



**ROHDE & SCHWARZ**

Test and Measurement  
Division

## **Service Manual**

# **VECTOR SIGNAL GENERATOR**

## **SMIQ02B/03B/04B/06B**

**10125.5555.02/03/04/06**

*Volume 2*  
*Service manual consists of 4 volumes*

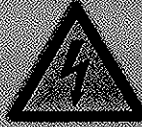
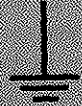
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Republic of Germany



This unit has been designed and tested in accordance with the EC Certificate of Conformity and has left the manufacturer's plant in a condition fully complying with safety standards.

To maintain this condition and to ensure safe operation, the user must observe all instructions and warnings given in this operating manual.

## Safety-related symbols used on equipment and documentation from R&S:

|                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |  |  |  |  |  |
| Observe operating instructions                                                    | Weight indication for units >18 kg                                                | PE terminal                                                                       | Ground terminal                                                                   | Danger! Shock hazard                                                              | Warning! Hot surfaces                                                               | Ground                                                                              | Attention! Electrostatic sensitive devices require special care                     |

- The unit may be used only in the operating conditions and positions specified by the manufacturer. Unless otherwise agreed, the following applies to R&S products:  
IP degree of protection 2X, Pollution severity 2, overvoltage category 2, altitude max. 2000 m.  
The unit may be operated only from supply networks fused with max. 16 A.
- For measurements in circuits with voltages  $V_{rms} > 30\text{ V}$ , suitable measures should be taken to avoid any hazards.  
(using, for example, appropriate measuring equipment, fusing, current limiting, electrical separation, insulation).
- If the unit is to be permanently wired, the PE terminal of the unit must first be connected to the PE conductor on site before any other connections are made. Installation and cabling of the unit to be performed only by qualified technical personnel.
- For permanently installed units without built-in fuses, circuit breakers or similar protective devices, the supply circuit must be fused such as to provide suitable protection for the users and equipment.
- Prior to switching on the unit, it must be ensured that the nominal voltage set on the unit matches the nominal voltage of the AC supply network.  
If a different voltage is to be set, the power fuse of the unit may have to be changed accordingly.
- Units of protection class I with disconnectible AC supply cable and appliance connector may be operated only from a power socket with earthing contact and with the PE conductor connected.

- It is not permissible to interrupt the PE conductor intentionally, neither in the incoming cable nor on the unit itself as this may cause the unit to become electrically hazardous.  
Any extension lines or multiple socket outlets used must be checked for compliance with relevant safety standards at regular intervals.
- If the unit has no power switch for disconnection from the AC supply, the plug of the connecting cable is regarded as the disconnecting device. In such cases it must be ensured that the power plug is easily reachable and accessible at all times (length of connecting cable approx. 2 m). Functional or electronic switches are not suitable for providing disconnection from the AC supply.  
If units without power switches are integrated in racks or systems, a disconnecting device must be provided at system level.
- Applicable local or national safety regulations and rules for the prevention of accidents must be observed in all work performed.  
Prior to performing any work on the unit or opening the unit, the latter must be disconnected from the supply network.  
Any adjustments, replacements of parts, maintenance or repair may be carried out only by authorized R&S technical personnel.  
Only original parts may be used for replacing parts relevant to safety (eg power switches, power transformers, fuses). A safety test must be performed after each replacement of parts relevant to safety.  
(visual inspection, PE conductor test, insulation-resistance, leakage-current measurement, functional test).

continued overleaf

10. Ensure that the connections with information technology equipment comply with IEC950 / EN60950.
11. Lithium batteries must not be exposed to high temperatures or fire.  
Keep batteries away from children.  
If the battery is replaced improperly, there is danger of explosion. Only replace the battery by R&S type (see spare part list).  
Lithium batteries are suitable for environmentally-friendly disposal or specialized recycling. Dispose them into appropriate containers, only.  
Do not short-circuit the battery.
12. Equipment returned or sent in for repair must be packed in the original packing or in packing with electrostatic and mechanical protection.
13. Electrostatics via the connectors may damage the equipment. For the safe handling and operation of the equipment, appropriate measures against electrostatics should be implemented.
14. Any additional safety instructions given in this manual are also to be observed.

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**ROHDE&SCHWARZ**

**SERVICE DOCUMENTS**

**E 6 GHZ Board**

**1084.9600.00**



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## **7. Testing and Repair of the Board**

### **7.1. Function Description**

The E6GHZ board extends the frequency range of the SMIQ03 by the range 3300 to 6400 MHz.

The IQ300 signal at X504 from the IQMOD module (300 MHz, IQ-modulated) is up-converted to 900 MHz using MIXER2 (IF900). Unwanted mixer products at the output of MIXER2 are filtered off by means of bandpass filters.

The REF600 signal at X502 from the reference/step synthesis (600 MHz) is doubled and serves as LO for MIXER2 (1200 MHz).

MIXER1 converts IF900 to the range 3300 to 6400 MHz. The LO signal (4200 to 6000 MHz) for MIXER1 is generated by doubling the FIQOUT signal of the IQMOD at X505.

Unwanted mixer products at the output of MIXER1 are suppressed by means of bandpass filters and a switched filter bank containing bandpass filters and tunable highpass and lowpass filters in 4 paths.

A level control element (LEVEL PRESET) preceding the filter bank permits to set the operating point of the amplitude modulator (instrument calibration routine Level Preset). Following the filter bank, the output level of the instrument is set by the amplitude modulator.

The thin-film unit POWERUNIT includes the output stage and a detector, which detects the output level of the instrument for the frequency range 3300 to 6400 MHz. There, the signal from the IQMOD (FIQOUT at X505) is also directly through-connected to the module output (IQOUT6 at X506) for frequencies < 3300 MHz.

#### **7.1.1. Input REF600**

The REF600 signal at X502 (600 MHz, 13 dBm) is split up via a power divider, taken via an amplifier and again provided as output signal at X501 REF600E for IQMOD (600 MHz, 13 dBm) and doubled as LO signal for MIXER2 to 1200 MHz, filtered and amplified to a controlled LO level of 17 dBm.

#### **7.1.2. Input IQ300**

The IQ300 signal at X504 (300 MHz, -9 dBm) is split up via a power divider, taken via an amplifier and again provided as output signal at X503 IQ300AUX (300 MHz, -9 dBm) and is used as RF signal for MIXER2 (level -12 dBm).

**7.1.3. IF900 - IF Signal of Mixer2**

The IF signal of MIXER2 (900 MHz) is filtered and amplified and taken to the RF connector of MIXER1 (level -12 dBm). The RF level at X2 is adjusted to -12 dBm by means of LEVEL IF900 (R848).

**7.1.4. LO Conditioning for Mixer 1**

For LO conditioning, the FIQOUT signal is doubled by the POWERUNIT at X9 from 2100 to 3000 MHz to 4200 to 6000 MHz. For suppression of subharmonics, the lowpass filter LP5100 is cut in at frequencies at FIQOUT < 5100 MHz. A level control ensures a constant LO level at X1 (17 dBm).

**7.1.5. RF Path at IF Output of Mixer1**

The mixer output signal (-18 dBm) is taken via amplifiers and filters to the level preset control element and via the filter bank and the AM modulator to the input X6 of the POWERUNIT. The amplifier stages have a gain (S21) of approx. 8 dB each, thus compensating for the filter attenuations.

**7.1.6. Filter Bank**

The tunable filters are set according to the frequency; the necessary data is determined in the module test in the production and contained in the EEPROM of the module.

Each tracking filter is driven by a tuning voltage. IQFILT1 and IQFILT2 drive the lowpass filters, IQFILH1 and IQFILH2 the highpass filters. In the deactivated filter paths, the respective lowpass filters are set to minimum and the highpass filters to maximum tuning voltage via selector switches (0 or 20 V).

The four control bits FILOFF1 to FILOFF4 check the selector switches and the ON/OFF functions of the filter paths.

There are four frequency ranges:

| Frequency range | SMIQ output frequency | FIQOUT from IQMOD | LO frequency Mixer 1 | Sideband | Control signal LP5100_ON |
|-----------------|-----------------------|-------------------|----------------------|----------|--------------------------|
| FB1             | 3300 to 4200 MHz      | 2100 to 2550 MHz  | 4200 to 5100 MHz     | lower    | L                        |
| FB2             | 4200 to 5100 MHz      | 2550 to 3000 MHz  | 5100 to 6000 MHz     | lower    | H                        |
| FB3             | 5100 to 6000 MHz      | 2100 to 2550 MHz  | 4200 to 5100 MHz     | upper    | L                        |
| FB4             | 6000 ... 6400 MHz     | 2550 ... 2750 MHz | 5100 ... 5500 MHz    | upper    | H                        |

**7.1.7. RF Level Control**

The command value for the amplitude modulation ( $f > 3.3$  GHz) and the level control is applied to the module via X500.A2 UREFAM. At frequencies  $< 3.3$  GHz, the control bit AM\_ON switches over to a command value generated on the module, since the amplitude modulation is already generated on the IQMOD module. The temperature-compensated and linearized detector output voltage is applied as actual value to the control amplifier N29, which drives the AM modulator.

The level linearity is adjusted using trimmers RF DC ZERO (R394) and DETECTOR OFFSET (R173). The nominal value for the level control is set via D/A converter D2. The control bandwidth is switched over via control bit AM\_SLOW\_ON. For the IQ mode or in the operating mode "ALC OFF MODE TABLE", the AM modulator is controlled by the level D/A converter (ALC\_ON = Low, DETOUT\_ON = Low), N29 will then operate as amplifier.

**7.1.8. Diagnosis**

Diagnosis voltages determined via RF rectifiers feature large tolerances and can only be used as indicators (RF level present / not present). RF test points without directional couplers do not detect the forward power, but the RF voltage, which is to a large extent dependent on the matching (impedance) and therefore features large fluctuations versus the frequency.

**7.2. Measuring Instruments and Auxiliary Means**

- DC voltmeter, ammeter (e.g. UDS5)
- RF power meter (e.g. NRVD)
- RF spectrum analyzer up to 20 GHz (e.g. FSM)
- RF network analyzer up to 8 GHz (e.g. ZVC)

**7.3. Troubleshooting**

For first error diagnosis it is recommended to use the test program included in the service kit, which offers comprehensive possibilities.

Before starting more detailed troubleshooting in the RF paths, it is recommended to check the serial interface for correct data transmission and the diagnosis, reference, operating point and control voltages for the correct value.

7.3.1. RF Level**Error message:****ALC LOOP FAILURE**

First check at which frequencies the level control does not work. To this end, check the frequency ranges FB1 to FB4 of the filter bank.

**No level**

Check control voltages of the LO level control loops.

**or**

**fault during  
Level Preset calibration  
at frequencies > 3.3 GHz**

Check diagnosis voltages of the RF test points.

Check detector and control amplifier.

Perform RF level adjustment

**Level cannot be varied at all  
frequencies > 3.3 GHz**

Check detector, level D/A converter and control amplifier

**No level in only one frequency  
range FB1 to FB4 of the filter  
bank**

Fault at RF-SWITCH1 or RF-SWITCH2, missing or faulty control voltage of tunable filters. Check the RF chain of the filter bank using network analyzer

**Level linearity out of  
tolerance**

Perform adjustment

**7.3.2. Spectral Purity of Output Signal IQOUT6****Too small harmonics**

Check operating point of RF amplifier in POWERUNIT, harmonics at X6, operating points of amplifiers in RF path.

**Too small spurious responses at  $f_{nw} = 0.5 \cdot (f_{RF} \pm 900 \text{ MHz})$** 

Chip of switch or switch control in POWERUNIT faulty, braided cord in upper module cover in the area of the POWERUNIT missing.

**Too small spurious responses at 300 MHz from carrier**

LO level of MIXER1 is faulty, bandpass filters in the IF900-path faulty

**Too small spurious responses at 600 kHz from carrier**

Module cover does not fit tightly, bandpass filters in the LO 1200 path faulty

**Too small spurious responses at 900 MHz from carrier**

LO suppression by the tracking or permanent filters of the filter bank is insufficient. Determine the faulty frequency range of the filter bank FB1 to FB4, check the tuning voltages, measure from X4 to X8 using network analyzer.

**7.4. Testing and Adjustment**

All measured values with no tolerance indicated are meant to be understood as reference values.

Plug the board onto the adapter included in the service kit and set up the RF connections. The adapter can then be plugged into the chassis together with the board.

Before carrying out any tests, set the instrument to a defined initial status by means of PRESET.

**7.4.1. Testing the Data Transmission**

The board is addressed via the serial interface. Subaddress 1 is used for the data transmission, . Subaddress 2 is used for reading and writing to the EEPROM, which contains calibration data for the filter control.

Testing: When changing between the frequencies  $f_1 < 3.3 \text{ GHz}$  and  $f_2 > 3.3 \text{ GHz}$ , the bit SWE6-ON at D14/4 must change between low and high.

**7.4.2. Testing the Reference Voltages**

| Test point | Nominal value/V |
|------------|-----------------|
| X20.3      | $10 \pm 0.010$  |
| X20.2      | $-10 \pm 0.010$ |
| X20.1      | $4.55 \pm 0.02$ |

**7.4.3. Testing the Operating Points of the Amplifier Stages**

Use a DC voltmeter to check the voltages. Measure at the collector or drain connector.

| Circuit diagram sheet | Amplifier      | Component No. | Ic/mA | U/V             |
|-----------------------|----------------|---------------|-------|-----------------|
| 3                     | RFAMP23        | N38           | 70    | $4.9 \pm 0.1$   |
| 3                     | RFAMP24        | N39           | 70    | $4.9 \pm 0.1$   |
| 4                     | RFAMP25        | V19           | 58    | $4.4 \pm 0.1$   |
| 4                     | RFAMP26        | V20           | 58    | $4.4 \pm 0.1$   |
| 5                     | RFAMP27        | V87           | 62    | $4.4 \pm 0.1$   |
| 5                     | RFAMP28        | V91           | 127   | $4.7 \pm 0.1$   |
| 5                     | RFAMP28        | V91/UG2       |       | $-4 \dots -0.5$ |
| 6                     | RFAMP29        | N3            | 80    | $4.8 \pm 0.1$   |
| 8                     | RFAMP30        | N4            | 80    | $4.8 \pm 0.1$   |
| 9                     | RFAMP2         | N15           | 100   | $5.25 \pm 0.1$  |
| 10                    | RFAMP3         | N17           | 75    | $5 \pm 0.1$     |
| 12                    | RFAMP4         | N14           | 83    | $2.8 \pm 0.2$   |
| 12                    | RFAMP5         | V90           | 140   | $7.1 \pm 0.1$   |
| 13                    | RFAMP6         | N25           | 80    | $3.4 \pm 0.2$   |
| 14                    | RFAMP7         | V92           | 93    | $7.1 \pm 0.1$   |
| 14                    | RFAMP7         | V92/Gate      |       | $-2 \dots -0.5$ |
| 17                    | RFAMP9         | N22           | 80    | $3.4 \pm 0.2$   |
| 18                    | RFAMP10        | N23           | 80    | $3.4 \pm 0.2$   |
| 19                    | RFAMP11        | N18           | 80    | $3.4 \pm 0.2$   |
| 20                    | RFAMP12        | N19           | 80    | $3.4 \pm 0.2$   |
| 21                    | RFAMX16.1      | N20           | 80    | $3.4 \pm 0.2$   |
| 22                    | RFAMP14        | N21           | 80    | $3.4 \pm 0.2$   |
| 23                    | RFAMP15        | N24           | 80    | $3.4 \pm 0.2$   |
| 24                    | RFAMP16        | N9            | 80    | $3.4 \pm 0.2$   |
| 26                    | RFAMP19        | V94           | 93    | $7.1 \pm 0.1$   |
| 27                    | RFAMP20        | V95           | 93    | $7.1 \pm 0.1$   |
| 28                    | RFAMP22        | N37           |       | $3.4 \pm 0.2$   |
| 29                    | POWER UNIT Vcc | P11           | 500   | $7.3 \pm 0.2$   |
| 29                    | POWER UNIT Vgg | P12           |       | $-5 \dots -0.5$ |

**7.4.4. Testing the Switching Voltages of RFSWITCH 1**

Use a DC voltmeter to check the voltages. (Tolerance  $\pm 0.3$  V)

|          | Test point | Filter<br>OFF | FB1<br>on | FB2<br>on | FB3<br>on | FB4<br>on |
|----------|------------|---------------|-----------|-----------|-----------|-----------|
| SYNFIL 0 | C891       | 4.42          | 4.18      | -1.65     | -1.65     | 4.55      |
| SYNFIL 1 | C753       | 9.80          | -0.76     | 9.80      | 9.80      | 9.80      |
| SYNFIL 2 | C892       | -10.00        | -10.00    | 3.30      | -10.00    | -10.00    |
| SYNFIL 3 | C757       | 9.83          | 9.83      | 9.83      | -3.30     | 9.83      |
| SYNFIL 4 | C755       | -10.03        | -10.03    | -10.03    | -10.03    | 6.21      |

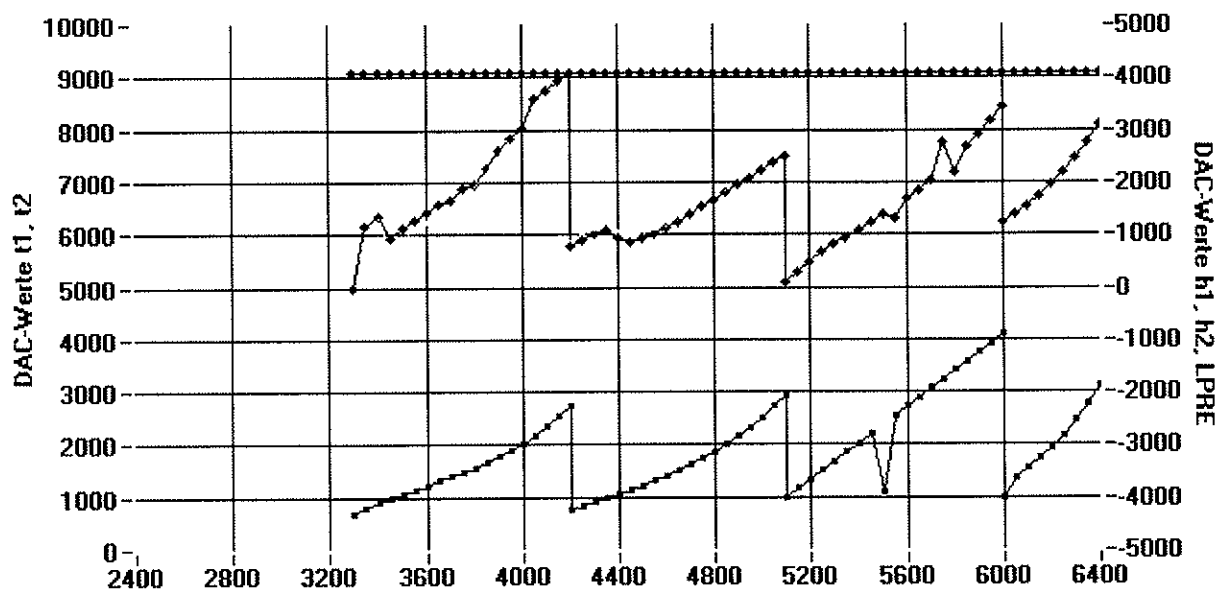
**7.4.5. Testing the Switching Voltages of RFSWITCH 2**

Use a DC voltmeter to check the voltages. (Tolerance  $\pm 0.3$  V)

|           | Test point | Filter<br>OFF | FB1<br>on | FB2<br>on | FB3<br>on | FB4<br>on |
|-----------|------------|---------------|-----------|-----------|-----------|-----------|
| SYNFIL 0N | C895       | -1.67 V       | -1.67 V   | 4.22 V    | 4.58 V    | -1.67 V   |
| SYNFIL 1N | C894       | -9.82 V       | 3.34 V    | -9.82 V   | -9.82 V   | -9.82 V   |
| SYNFIL 2N | C899       | 9.97 V        | 9.97 V    | -0.76 V   | 9.97 V    | 9.97 V    |
| SYNFIL 3N | C898       | -9.83 V       | -9.83 V   | -9.83 V   | 6.24 V    | -9.83 V   |
| SYNFIL 4N | C897       | 10.05 V       | 10.05 V   | 10.05 V   | 10.05 V   | -3.32 V   |

**7.4.6. Testing the Tuning Voltages**

The diagram shows general characteristics of the tuning voltages. Individual calibration data may deviate from this curve; usually, there are deviations from the smooth tuning characteristics because of the calibration process. The upper curves show IQFILH1 and IQFILH2, the lower ones IQFILT1 and IQFILT2 (identical in this case). All 4 voltages can be read out via the diagnosis (Udiag = 20V \* DACWERT/4095).



#### **7.4.7. Testing the RF Signal Paths**

The module accommodates SMP or MMCX test connectors X1 to X9. At these coaxial interfaces, matching and gain can be measured using a network analyzer, for example. For this purpose, the coupling capacitor, which is located at this place in the signal path, must be soldered from the desired input or output to the test connector. In addition to a number of coupling capacitors in the signal path, there are grounded through-connections (GND). There, it is possible, e.g. to solder in a coaxial cable and connect its inner conductors to the signal path. For specifications of nominal gain or nominal level please refer to the block diagram. S-parameter measurements in the frequency range 3 to 6 GHz require extensive equipment and knowledge. Therefore, such measurements should only be performed by trained personnel.

#### **7.4.8. Adjusting the Drain Current of A510 in the POWER UNIT**

Cut in the ammeter at X14.1 - X14.2.

Use trimmer R172 to adjust the current to  $500 \pm 5$  mA.

#### **7.4.9. Adjusting the Reference 10 V**

Use trimmer R608 to adjust to  $10 \text{ V} \pm 0.001 \text{ V}$  at the test point X20.4.

#### **7.4.10. RF-DC-ZERO Adjustment at Output Detector**

Remove jumper at X14.1-X14.2, set the voltage at X16.1 (reference X16.2) to  $-17 \text{ mV} \pm 0.5 \text{ mV}$  using potentiometer R394, plug in the jumper at X14.1-X14.2.

#### **7.4.11. Adjusting the RF Level Linearity**

Instrument settings: PRESET, RF 3301 MHz, LEVEL 2.1 dBm, LEVEL/LEVEL/ATTENUATOR MODE FIXED.

Connect power sensor of power meter to RF connector of SMIQ.

Save the measured value as reference value on the power meter and select the  $\Delta$  dB display. Set LEVEL -18.1 dBm.

Use potentiometer R173 to adjust the DETECTOR OFFSET to 20-dB drop on the power meter.

By adjusting alternately using potentiometer R173 and potentiometer R394 (RF-DC-ZERO), the level deviation from the nominal value can be minimized in the level range -20 dBm to 13 dBm.

#### **7.4.12. Adjusting the IF900 Level**

Remove the module, unscrew the screening cover.

Unsolder the coupling capacitor C663 from the signal path and solder in such that R625 is connected to X2.

Place the module onto the service adapter, set up the RF connections, install the adapter into the instrument. Make sure to allow for sufficient cooling of the module, since the cooling effect of the screening covers and the air current is missing.

Instrument setting PRESET, RF 3301 MHz.

Connect a power meter to X2 and measure the level ( $f = 900$  MHz). Adjust the RF level at X2 to -12 dBm using LEVEL IF900 (R848).

#### **7.4.13. Calibration of the Tunable Filters**

The filters are calibrated in the factory in the module pretesting. This is necessary when replacing tuning diodes in the tunable filters or the EEPROM.

#### **7.4.14. Tables and Interfaces**

##### **7.4.14.1. Diagnosis**

RF: Diagnosis voltage determined via RF rectifier.

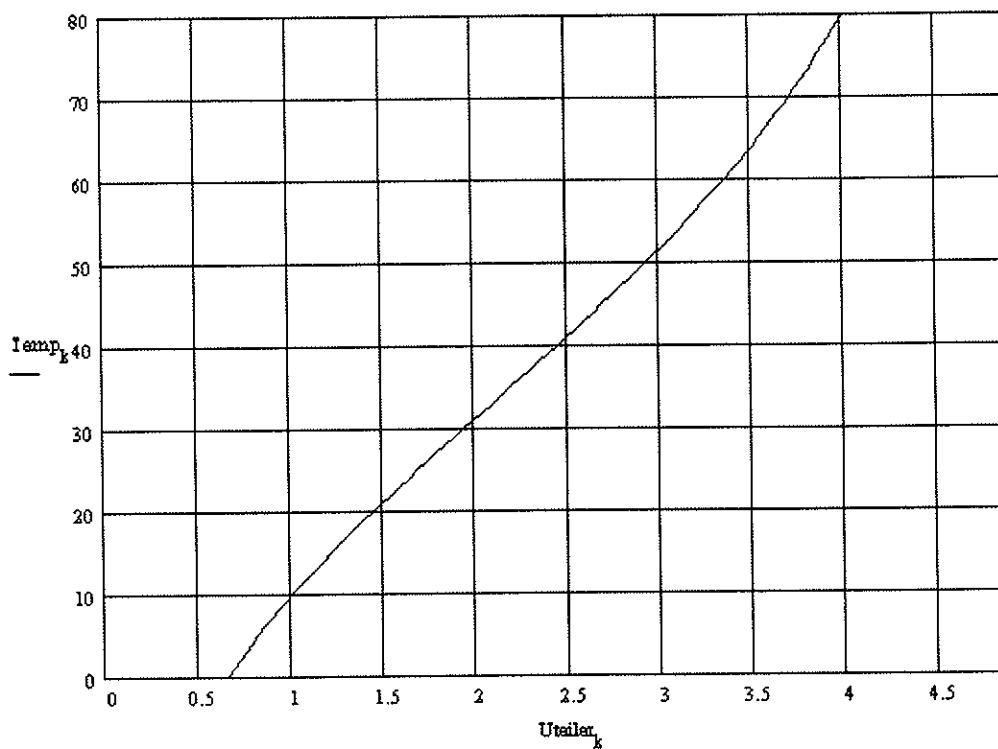
IR: Interrupt at processor when the permissible thresholds are exceeded.

TF: Division factor (corresponds to voltage divider ratio at test point).

| Diagnosis multiplexer D27: |                                              |      |    |               |               |    |
|----------------------------|----------------------------------------------|------|----|---------------|---------------|----|
| Diag.<br>point<br>SMIQ     | Test point                                   | Type | IR | Umin/<br>Volt | Umax/<br>Volt | TF |
| 10<br>2400                 | Reference 10 k $\Omega$                      | DC   |    | -10m          | +10m          | 1  |
| 11<br>2401                 | VDETOUT Output level of module               | RF   |    | 0             | 10            | 4  |
| 12<br>2402                 | UTEMP                                        | DC   |    | 0             | 5             | 1  |
| 13<br>2403                 | Free                                         |      |    |               |               |    |
| 14<br>2404                 | IQFILT1 tuning voltage<br>LP tracking filter | DC   |    | 0             | 20            | 5  |
| 15<br>2405                 | IQFILT2 tuning voltage<br>LP tracking filter | DC   |    | 0             | 20            | 5  |
| 16<br>2406                 | IQFILH1 tuning voltage<br>HP tracking filter | DC   |    | 0             | 20            | 5  |
| 17<br>2407                 | IQFILH2 tuning voltage<br>HP tracking filter | DC   |    | 0             | 20            | 5  |

| Diagnosis multiplexer D25: |                                  |      |    |               |               |    |
|----------------------------|----------------------------------|------|----|---------------|---------------|----|
| Diag.<br>point<br>SMIQ     | Test point                       | Type | IR | Umin/<br>Volt | Umax/<br>Volt | TF |
| 20<br>2408                 | Control voltage for level preset | DC   |    | 0             | 10            | 3  |
| 21<br>2409                 | Level ahead of filter bank       | RF   |    | 0             |               | 3  |
| 22<br>2410                 | Level ahead of AM Mod.           | RF   |    | 0             |               | 3  |
| 23<br>2411                 | Level ahead of POWERUNIT         | RF   |    | 0             |               | 3  |
| 24<br>2412                 | IF900 Level                      | RF   |    | 0             |               | 3  |
| 25<br>2413                 | AM control voltage               | DC   | IR | -15           | 15            | 3  |
| 26<br>2414                 | LO-MIXER1 control voltage        | DC   | IR | -15           | 15            | 3  |
| 27<br>2415                 | LO-MIXER2 control voltage        | DC   | IR | -15           | 15            | 3  |

Module temperature vs. Udiag12 (SMIQ diagnosis No. 2402):



**7.4.14.2. Serial Data (Subaddress 1)**

| Byte | Bit | Designation | Function                                                                | Control logic                                                                                                                                                                           |
|------|-----|-------------|-------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 11   | 7   | free        |                                                                         | HEX code:<br>0E      0D      0B      07      0F<br><br>1      1      1      0      1<br>1      1      0      1      1<br>1      0      1      1      1<br>0      1      1      1      1 |
|      | 6   | free        |                                                                         |                                                                                                                                                                                         |
|      | 5   | free        |                                                                         |                                                                                                                                                                                         |
|      | 4   | free        |                                                                         |                                                                                                                                                                                         |
|      | 3   | FILOFF4     |                                                                         |                                                                                                                                                                                         |
|      | 2   | FILOFF3     |                                                                         |                                                                                                                                                                                         |
|      | 1   | FILOFF2     |                                                                         |                                                                                                                                                                                         |
|      | 0   | FILOFF1     |                                                                         |                                                                                                                                                                                         |
| 10   | 7   | IQFIL_H2    | Tuning voltage                                                          | MSB                                                                                                                                                                                     |
| 9    | 4   | [12]        | 2 of highpasses                                                         | LSB                                                                                                                                                                                     |
| 9    | 3   | IQFIL_H1    | Tuning voltage                                                          | MSB                                                                                                                                                                                     |
| 8    | 0   | [12]        | 1 of highpasses                                                         | LSB                                                                                                                                                                                     |
| 7    | 7   | IQFIL_T2    | Tuning voltage                                                          | MSB                                                                                                                                                                                     |
| 6    | 4   | [12]        | 2 of lowpasses                                                          | LSB                                                                                                                                                                                     |
| 6    | 3   | IQFIL_T1    | Tuning voltage                                                          | MSB                                                                                                                                                                                     |
| 5    | 0   | [12]        | 1 of lowpasses                                                          | LSB                                                                                                                                                                                     |
| 4    | 7   | BLANK_ENA   | Function of<br>BLANK line                                               | 1 active<br>0 deactivated                                                                                                                                                               |
|      | 6   | BLANK_INV   | Polarity of<br>BLANK line                                               | 1 Blanking with BLANK = 0<br>0 Blanking with BLANK = 1                                                                                                                                  |
|      | 5   | DETOUT_ON   | Switch for<br>detector output                                           | Detector connected to<br>controller as actual value<br>(ALC ON)<br>0 ALC OFF                                                                                                            |
|      | 4   | AM_SLOW     | Switchover of<br>ALC control<br>bandwidth                               | 1 ALC control bandwidth slow<br>0 ALC control bandwidth normal                                                                                                                          |
|      | 3   | ALC_ON      | Switchover<br>between CW and<br>IQ mode/<br>level control<br>from table | 1 ALC ON: Automatic level<br>control on.<br>0 ALC OFF: Automatic level<br>control off.                                                                                                  |
|      | 2   | AM_E6       | Level reference<br>voltage                                              | 1 AM signal from motherboard<br>0 6-V reference for RF level<br>from module E6GHz                                                                                                       |
|      | 1   | LEV_OFF     | Level reduction                                                         | 1 Level off<br>0 Level on                                                                                                                                                               |
|      | 0   | SWE6_ON     | controls<br>signal path in<br>POWER UNIT                                | 1 Frequency range<br>3.3 to 6.4 GHz<br>0 Frequency range<br>0.3 to 3300 MHz                                                                                                             |

| Byte | Bit | Designation       | Function                | Control logic                                              |
|------|-----|-------------------|-------------------------|------------------------------------------------------------|
| 3    | 7   | LEVEL [12]        | Level                   | Bit 11                                                     |
| 2    | 4   |                   | setting                 | Bit 0                                                      |
| 2    | 3   | LEVEL             | Level                   | Bit 11                                                     |
| 1    | 0   | PRESET [12]       | Preset                  | Bit 0                                                      |
| 0    | 7   | LOSYN_OFF         | Switch for<br>LO Mixer1 | 1 LO off (0.3 to 3300 MHz)<br>0 LO on (3.3 to 6.4 GHz)     |
|      | 6   | LO-MIXER2<br>_OFF | Switch for<br>LO Mixer2 | 1 LO off (0.3 to 3300 MHz)<br>0 LO on (3.3 to 6.4 GHz)     |
|      | 5   | free              | Selection               | 0 DMUX1    1 DMUX2    0 off<br>1            0            0 |
|      | 4   | DMUX_2            | diagnosis               |                                                            |
|      | 3   | DMUX_1            | multiplexer             |                                                            |
|      | 2   | AMUX_2            | Address                 | MSB                                                        |
|      | 1   | AMUX_1            | diagnosis               | Address 0 to 7                                             |
|      | 0   | AMUX_0            | multiplexer             |                                                            |
|      |     |                   |                         | LSB                                                        |

### **7.5. Disassembly and Assembly**

After opening the instrument, unlocking the module and loosening the RF connections, the module can be taken out of its slot. The screening covers of the module are fastened with screws; loosen the screws of the upper cover first and tighten them last.

For mounting the POWERUNIT observe the mounting instructions (see component location plan).

**7.6. External Interfaces**

| Signal name | from module                  | Signal data                                                                                                                     | Remark                                                                                                                                           |
|-------------|------------------------------|---------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| IQ300       | IQMOD (IQ AUX)               | 300 MHz $\pm$ 50 MHz<br>for IQ modulation<br>-9 dBm $\pm$ 0.1 dB<br>50 ohms<br>S11 < -15 dB                                     |                                                                                                                                                  |
| REF600      | Reference/ step<br>synthesis | 600 MHz<br>13 dBm $\pm$ 1 dB<br>50 ohms<br>S11 < -15 dB                                                                         |                                                                                                                                                  |
| VREFAM      | IQMOD                        | DC ... 100 kHz<br>6 VDC $\pm$ (AM * 6 V)                                                                                        | Modulation signal for<br>AM                                                                                                                      |
| FIQOUT      | IQMOD                        | <u>IQ/CW 0.3 to 3300 MHz</u><br>-15 to +16 dBm<br><br><u>CW 2100 to 3000 MHz</u><br>13 dBm<br>50 ohms                           | <u>F <math>\leq</math> 3300 MHz:</u><br>IQMOD signal is<br>through-connected to<br>attenuator<br><br><u>F &gt; 3300 MHz:</u><br>IQMOD in CW mode |
|             | <b>to module</b>             |                                                                                                                                 |                                                                                                                                                  |
| IQ300AUX    | Instrument rear              | 300 MHz $\pm$ 50 MHz<br>for IQ modulation<br>50 ohms<br>S11 < -15 dB<br>S22 < -20 dB                                            | IQ300 through-<br>connected, P(IQ300)<br>$\pm$ 0.5 dB                                                                                            |
| REF600E     | IQMOD                        | 600 MHz from<br>REF600 through-<br>connected<br>50 ohms<br>S22 < -15 dB                                                         | REF600 through-<br>connected, P(REF600)<br>$\pm$ 0.5 dB                                                                                          |
| IQOUT6      | Attenuator                   | <u>IQ/CW 0.3 to 3300 MHz:</u><br>-17 to +16 dBm<br><br><u>IQ 3300 to 6400 MHz:</u><br>-15 to +16 dBm<br>50 ohms<br>S22 < -15 dB | through-connected<br>signal, approx. 2 dB<br>attenuation                                                                                         |



**Schaltteillisten  
numerisch geordnet**

**Part lists  
in numerical order**

**Listes des pièces détachées  
par numéros de référence**



| Comp. No. | Designation                                         | Stock No.       | Manufacturer | Designation          |
|-----------|-----------------------------------------------------|-----------------|--------------|----------------------|
|           | XX VARIANTENERKLAERUNG<br>IDENTIFICATION OF MODELS  |                 |              |                      |
| A1        | BD POWER UNIT                                       | 1084.9500.02    |              |                      |
| C1        | CC 0,3PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR      | CC 0010.7114.00 | AVX          | 0603 5J *** AAW TR   |
| C2        | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |
| C3        | CB 220PF 25V 0,2A 1205<br>EMI SUPPRESSION FILTER    | 1085.2245.00    | MURATA       | NFM40R11C221         |
| C4        | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR   | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C500PT* |
| C5        | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |
| C6        | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |
| C7        | CE 33UF 20% 25V AL SMD<br>SMD ELECTROLYTIC CAPACIT. | 0009.5592.00    | PANASONIC    | EEV HB 1E 330P       |
| C8        | CE 33UF 20% 25V AL SMD<br>SMD ELECTROLYTIC CAPACIT. | 0009.5592.00    | PANASONIC    | EEV HB 1E 330P       |
| C9        | CC 3,9PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4509.00 | MURATA       | GRM39COG***B50ZPT    |
| C10       | CC 3,9PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4509.00 | MURATA       | GRM39COG***B50ZPT    |
| C11       | CC 3,3PF 0,1PF 50V NPO 06<br>SMD-CERAMIC-CAPACITOR  | CC 0009.8285.00 | MURATA       | GRM39COG***B50ZPT    |
| C12       | CC 10P+-0,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4567.00 | MURATA       | GRM39COG***B50ZPT    |
| C13       | CC 12PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0009.8256.00 | MURATA       | GRM39COG***F50ZPT    |
| C16       | CC 33PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0048.3639.00 | MURATA       | GRM39COG***B50ZPT    |
| C17       | CC 5,6PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4521.00 | MURATA       | GRM39COG***B50ZPT    |
| C18       | CC 5,6PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4521.00 | MURATA       | GRM39COG***B50ZPT    |
| C19       | CB 220PF 25V 0,2A 1205<br>EMI SUPPRESSION FILTER    | 1085.2245.00    | MURATA       | NFM40R11C221         |
| C20       | CC 0,5PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR      | CC 0010.7137.00 | AVX          | 0603 5J *** AAW TR   |
| C21       | CC 5,6PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4521.00 | MURATA       | GRM39COG***B50ZPT    |
| C22       | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |
| C23       | CB 220PF 25V 0,2A 1205<br>EMI SUPPRESSION FILTER    | 1085.2245.00    | MURATA       | NFM40R11C221         |
| C24       | CB 220PF 25V 0,2A 1205<br>EMI SUPPRESSION FILTER    | 1085.2245.00    | MURATA       | NFM40R11C221         |
| C25       | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR   | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C500PT* |
| C26       | CC 1PF+-0,1PF50V COG0603<br>SMD-CERAMIC CAPACITOR   | CC 0008.2060.00 | AVX          | 0603 5J 1R0 BAW TR   |
| C27       | CC 18PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0048.3622.00 | MURATA       | GRM39COG***F50ZPT    |
| C28       | CB 220PF 25V 0,2A 1205<br>EMI SUPPRESSION FILTER    | 1085.2245.00    | MURATA       | NFM40R11C221         |
| C29       | CC 3,9PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4509.00 | MURATA       | GRM39COG***B50ZPT    |
| C30       | CB 220PF 25V 0,2A 1205<br>EMI SUPPRESSION FILTER    | 1085.2245.00    | MURATA       | NFM40R11C221         |
| C31       | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |
| C32       | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |
| C33       | CC 18PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0048.3622.00 | MURATA       | GRM39COG***F50ZPT    |
| C34       | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |
| C35       | CC 220PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR   | CC 0009.4721.00 | MURATA       | GRM39COG***F50ZPT    |
| C36       | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |
| C37       | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |
| C38       | XX ENTHALTEN IN<br>INCLUDED IN                      |                 |              |                      |

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|-------------------------------------------------------------------------------------------------------------------|----------|----------|----------------------------------------|---------------------------------------|-------------------------|-------------------|
| <br><b>ROHDE &amp; SCHWARZ</b> | 14       | 22.09.99 | EE 6-GHZ-ERWEITERUNG<br>6GHZ EXTENSION | <b>1084.9600.01 SA</b>                | 1+                      |                   |

| Comp. No. | Designation               | Stock No.       | Manufacturer | Designation          | contained in |
|-----------|---------------------------|-----------------|--------------|----------------------|--------------|
| C39       | CC 10NF+-10% 50VHDK 0603  | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| ..41      | SMD-CERAMIC-CAPACITOR     |                 |              |                      |              |
| C42       | CB 220PF 25V 0,2A 1205    | 1085.2245.00    | MURATA       | NFM40R11C221         |              |
| ..44      | EMI SUPPRESSION FILTER    |                 |              |                      |              |
| C45       | CC 2,7PFO,1PF50V NPO 0603 | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT    |              |
|           | SMD-CERAMIC-CAPACITOR     |                 |              |                      |              |
| C46       | CC 33NF+-10% 25V HDK 0603 | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
|           | SMD CERAMIC CAPACITOR     |                 |              |                      |              |
| C47       | CC 33NF+-10% 25V HDK 0603 | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
|           | SMD CERAMIC CAPACITOR     |                 |              |                      |              |
| C48       | CB 220PF 25V 0,2A 1205    | 1085.2245.00    | MURATA       | NFM40R11C221         |              |
|           | EMI SUPPRESSION FILTER    |                 |              |                      |              |
| C49       | CC 10NF+-10% 50VHDK 0603  | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| ..52      | SMD-CERAMIC-CAPACITOR     |                 |              |                      |              |
| C53       | CC 0,5PF+-0,05PF 0603     | CC 0010.7137.00 | AVX          | 0603 5J *** AAW TR   |              |
|           | SMD-CERAMIC CAPACITOR     |                 |              |                      |              |
| C54       | CC 33NF+-10% 25V HDK 0603 | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| ..64      | SMD CERAMIC CAPACITOR     |                 |              |                      |              |
| C65       | CC 10NF+-10% 50VHDK 0603  | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| ..67      | SMD-CERAMIC-CAPACITOR     |                 |              |                      |              |
| C68       | CC 2,7PFO,1PF50V NPO 0603 | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT    |              |
|           | SMD-CERAMIC-CAPACITOR     |                 |              |                      |              |
| C69       | CC 1,8PFO,1PF50V NPO 0603 | CC 0009.4473.00 | MURATA       | GRM39COG***B50ZPT    |              |
|           | SMD-CERAMIC-CAPACITOR     |                 |              |                      |              |
| C70       | CB 220PF 25V 0,2A 1205    | 1085.2245.00    | MURATA       | NFM40R11C221         |              |
|           | EMI SUPPRESSION FILTER    |                 |              |                      |              |
| C71       | CC 2,7PFO,1PF50V NPO 0603 | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT    |              |
|           | SMD-CERAMIC-CAPACITOR     |                 |              |                      |              |
| C72       | CC 1,0PFO,1PF50V NPO 0603 | CC 0009.8304.00 | MURATA       | GRM39COG***B50ZPT    |              |
|           | SMD-CERAMIC-CAPACITOR     |                 |              |                      |              |
| C73       | CC 330PF+-5% 50V HDK 0603 | CC 1097.6205.00 | MURATA       | GRM39X7R331J50PT     |              |
|           | SMD CERAMIC CAPACITOR     |                 |              |                      |              |
| C74       | CC 1,0NF+-10%50V HDK 0603 | CC 0009.4938.00 | MURATA       | GRM39X7R***K5C500PT* |              |
|           | SMD-CERAMIC-CAPACITOR     |                 |              |                      |              |
| C75       | XX ENTHALTEN IN           |                 |              |                      |              |
|           | INCLUDED IN               |                 |              |                      |              |
| C76       | CC 0,3PF+-0,05PF 0603     | CC 0010.7114.00 | AVX          | 0603 5J *** AAW TR   |              |
|           | SMD-CERAMIC CAPACITOR     |                 |              |                      |              |
| C77       | CC 0,3PF+-0,05PF 0603     | CC 0010.7114.00 | AVX          | 0603 5J *** AAW TR   |              |
|           | SMD-CERAMIC CAPACITOR     |                 |              |                      |              |
| C78       | CC 0,4PF+-0,05PF 0603     | CC 0010.7120.00 | AVX          | 0603 5J *** AAW TR   |              |
|           | SMD-CERAMIC CAPACITOR     |                 |              |                      |              |
| C79       | CC 1PF+-0,1PF50V COG0603  | CC 0008.2060.00 | AVX          | 0603 5J 1R0 BAW TR   |              |
|           | SMD-CERAMIC CAPACITOR     |                 |              |                      |              |
| C80       | CB 220PF 25V 0,2A 1205    | 1085.2245.00    | MURATA       | NFM40R11C221         |              |
|           | EMI SUPPRESSION FILTER    |                 |              |                      |              |
| C81       | CC 0,4PF+-0,05PF 0603     | CC 0010.7120.00 | AVX          | 0603 5J *** AAW TR   |              |
|           | SMD-CERAMIC CAPACITOR     |                 |              |                      |              |
| C82       | CC 0,5PF+-0,05PF 0603     | CC 0010.7137.00 | AVX          | 0603 5J *** AAW TR   |              |
|           | SMD-CERAMIC CAPACITOR     |                 |              |                      |              |
| C83       | CC 0,4PF+-0,05PF 0603     | CC 0010.7120.00 | AVX          | 0603 5J *** AAW TR   |              |
|           | SMD-CERAMIC CAPACITOR     |                 |              |                      |              |
| C84       | CC 0,4PF+-0,05PF 0603     | CC 0010.7120.00 | AVX          | 0603 5J *** AAW TR   |              |
|           | SMD-CERAMIC CAPACITOR     |                 |              |                      |              |
| C85       | XX ENTHALTEN IN           |                 |              |                      |              |
|           | INCLUDED IN               |                 |              |                      |              |
| C86       | CC 2,7PFO,1PF50V NPO 0603 | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT    |              |
| ..89      | SMD-CERAMIC-CAPACITOR     |                 |              |                      |              |
| C90       | CC 18PF+-1% 50VNPO 0603   | CC 0048.3622.00 | MURATA       | GRM39COG***F50ZPT    |              |
|           | SMD-CERAMIC-CAPACITOR     |                 |              |                      |              |
| C91       | CC 33NF+-10% 25V HDK 0603 | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| ..94      | SMD CERAMIC CAPACITOR     |                 |              |                      |              |
| C95       | CC 2,7PFO,1PF50V NPO 0603 | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT    |              |
|           | SMD-CERAMIC-CAPACITOR     |                 |              |                      |              |
| C96       | CC 33NF+-10% 25V HDK 0603 | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| ..98      | SMD CERAMIC CAPACITOR     |                 |              |                      |              |
| C99       | CC 33NF+-10% 25V HDK 0603 | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
|           | SMD CERAMIC CAPACITOR     |                 |              |                      |              |
| C100      | CC 2,7PFO,1PF50V NPO 0603 | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT    |              |
|           | SMD-CERAMIC-CAPACITOR     |                 |              |                      |              |
| C101      | CC 33NF+-10% 25V HDK 0603 | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
|           | SMD CERAMIC CAPACITOR     |                 |              |                      |              |
| C102      | CC 33NF+-10% 25V HDK 0603 | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
|           | SMD CERAMIC CAPACITOR     |                 |              |                      |              |
| C103      | CC 2,7PFO,1PF50V NPO 0603 | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT    |              |
| ..105     | SMD-CERAMIC-CAPACITOR     |                 |              |                      |              |
| C106      | CB 220PF 25V 0,2A 1205    | 1085.2245.00    | MURATA       | NFM40R11C221         |              |
| ..109     | EMI SUPPRESSION FILTER    |                 |              |                      |              |

| 1GPK                                                                                                              | 877 3PLU | ÄI       | Datum<br>Date                          | Schaltteilliste für<br>Parts list for | Sachnummer<br>Stock No. | Blatt-Nr.<br>Page |
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| <br><b>ROHDE &amp; SCHWARZ</b> | 14       | 22.09.99 | EE 6-GHZ-ERWEITERUNG<br>6GHZ EXTENSION | <b>1084.9600.01 SA</b>                | 2+                      |                   |

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| Comp. No. | Designation                                         | Order No.       | Manufacturer | Designation          |
|-----------|-----------------------------------------------------|-----------------|--------------|----------------------|
| C110      | CC 3,3PF 0,1PF 50V NPO 06<br>SMD-CERAMIC-CAPACITOR  | CC 0009.8285.00 | MURATA       | GRM39C0G***B50ZPT    |
| C111      | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.8291.00 | MURATA       | GRM39C0G***B50ZPT    |
| C112      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |
| C113      | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.8291.00 | MURATA       | GRM39C0G***B50ZPT    |
| C114      | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.8291.00 | MURATA       | GRM39C0G***B50ZPT    |
| C115      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |
| ..117     | CB 220PF 25V 0,2A 1205                              | 1085.2245.00    | MURATA       | NFM40R11C221         |
| ..121     | EMI SUPPRESSION FILTER                              |                 |              |                      |
| C122      | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.8291.00 | MURATA       | GRM39C0G***B50ZPT    |
| C123      | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.8291.00 | MURATA       | GRM39C0G***B50ZPT    |
| C124      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |
| ..128     | CB 220PF 25V 0,2A 1205                              | 1085.2245.00    | MURATA       | NFM40R11C221         |
| C129      | EMI SUPPRESSION FILTER                              |                 |              |                      |
| ..132     | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.8291.00 | MURATA       | GRM39C0G***B50ZPT    |
| C133      | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.8291.00 | MURATA       | GRM39C0G***B50ZPT    |
| C134      | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.8291.00 | MURATA       | GRM39C0G***B50ZPT    |
| C135      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |
| C136      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |
| C137      | CC 0,4PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR      | CC 0010.7120.00 | AVX          | 0603 5J *** AAW TR   |
| C138      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |
| C139      | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.8291.00 | MURATA       | GRM39C0G***B50ZPT    |
| C140      | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.8291.00 | MURATA       | GRM39C0G***B50ZPT    |
| C141      | CC 220NF+-10%50V X7R 1210<br>CERAMIC CAPACITOR CHIP | CC 0520.6850.00 | AVX          | 1210 5C 224KA 11A    |
| C142      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |
| C143      | CC 0,2PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR      | CC 0010.7108.00 | AVX          | 0603 5J *** AAW TR   |
| C144      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |
| ..153     | CC 1UF+-10% 50V X7R 2220<br>CERAMIC CAPACITOR       | CC 0520.6873.00 | AVX          | 2220 5C 105 KAT**A(F |
| C154      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |
| C155      | CC 4,7NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4809.00 | MURATA       | GRM39X7R***K5C500PT* |
| C164      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |
| C165      | CC 1,0NF+-10%50V HDK 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4938.00 | MURATA       | GRM39X7R***K5C500PT* |
| ..169     | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |
| C170      | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.8291.00 | MURATA       | GRM39C0G***B50ZPT    |
| C171      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |
| ..179     | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.8291.00 | MURATA       | GRM39C0G***B50ZPT    |
| C180      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |
| C181      | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.8291.00 | MURATA       | GRM39C0G***B50ZPT    |
| C182      | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.8291.00 | MURATA       | GRM39C0G***B50ZPT    |
| C183      | CC 2,2PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4467.00 | MURATA       | GRM39C0G***B50ZPT    |
| C184      | CC 2,2PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4467.00 | MURATA       | GRM39C0G***B50ZPT    |
| C185      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |
| C186      | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.8291.00 | MURATA       | GRM39C0G***B50ZPT    |
| C187      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |
| C188      | XX ENTHALTEN IN                                     |                 |              |                      |
| ..190     | INCLUDED IN                                         |                 |              |                      |
| C191      |                                                     |                 |              |                      |

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| <br><b>ROHDE &amp; SCHWARZ</b> | 14       | 22.09.99 | EE 6-GHZ-ERWEITERUNG<br>6GHZ EXTENSION | <b>1084.9600.01 SA</b>                | 3+                      |                   |

| Comp. No. | Designation                                         | Stock No.       | Manufacturer | Designation          |
|-----------|-----------------------------------------------------|-----------------|--------------|----------------------|
| C192      | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT    |
| C193      | CC 33NF+-10% 25V HDK 0603                           | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |
| ..199     | SMD CERAMIC CAPACITOR                               |                 |              |                      |
| C200      | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR   | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C500PT* |
| C201      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |
| C202      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |
| C203      | CB 220PF 25V 0,2A 1205<br>EMI SUPPRESSION FILTER    | 1085.2245.00    | MURATA       | NFM40R11C221         |
| C204      | CC 33NF+-10% 25V HDK 0603                           | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |
| ..217     | SMD CERAMIC CAPACITOR                               |                 |              |                      |
| C218      | CC 100NF+-10%16V HDK 0603<br>CERAMIC CHIP CAPACITOR | CC 1097.6292.00 | AVX          | CM105 X7R104K16AT    |
| C219      | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT    |
| C220      | CC 10P+-0,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4567.00 | MURATA       | GRM39COG***B50ZPT    |
| C221      | CB 220PF 25V 0,2A 1205<br>EMI SUPPRESSION FILTER    | 1085.2245.00    | MURATA       | NFM40R11C221         |
| C222      | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT    |
| C223      | CB 220PF 25V 0,2A 1205<br>EMI SUPPRESSION FILTER    | 1085.2245.00    | MURATA       | NFM40R11C221         |
| C224      | CC 33NF+-10% 25V HDK 0603                           | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |
| ..226     | SMD CERAMIC CAPACITOR                               |                 |              |                      |
| C227      | CB 220PF 25V 0,2A 1205<br>EMI SUPPRESSION FILTER    | 1085.2245.00    | MURATA       | NFM40R11C221         |
| C228      | CC 33NF+-10% 25V HDK 0603                           | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |
| ..230     | SMD CERAMIC CAPACITOR                               |                 |              |                      |
| C231      | CC 10P+-0,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4567.00 | MURATA       | GRM39COG***B50ZPT    |
| C232      | CC 0,2PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR      | CC 0010.7108.00 | AVX          | 0603 5J *** AAW TR   |
| C233      | CC 4,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4538.00 | MURATA       | GRM39COG***B50ZPT    |
| C234      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |
| C235      | CC 2,2PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4467.00 | MURATA       | GRM39COG***B50ZPT    |
| C236      | CB 220PF 25V 0,2A 1205<br>EMI SUPPRESSION FILTER    | 1085.2245.00    | MURATA       | NFM40R11C221         |
| C237      | CC 0,2PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR      | CC 0010.7108.00 | AVX          | 0603 5J *** AAW TR   |
| C238      | CC 2,2PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4467.00 | MURATA       | GRM39COG***B50ZPT    |
| C239      | CC 1,5PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4450.00 | MURATA       | GRM39COG***B50ZPT    |
| C240      | CC 1,5PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4450.00 | MURATA       | GRM39COG***B50ZPT    |
| C241      | CC 0,5PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR      | CC 0010.7137.00 | AVX          | 0603 5J *** AAW TR   |
| C242      | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT    |
| C243      | CC 3,9PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4509.00 | MURATA       | GRM39COG***B50ZPT    |
| C244      | CC 3,3PF 0,1PF 50V NPO 06<br>SMD-CERAMIC-CAPACITOR  | CC 0009.8285.00 | MURATA       | GRM39COG***B50ZPT    |
| C245      | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT    |
| ..248     | SMD CERAMIC CAPACITOR                               |                 |              |                      |
| C249      | CC 0,7PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR      | CC 0010.7150.00 | AVX          | 0603 5J *** AAW TR   |
| C250      | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT    |
| C251      | CC 0,6PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR      | CC 0010.7143.00 | AVX          | 0603 5J *** AAW TR   |
| C252      | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT    |
| C253      | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT    |
| C254      | CC 2,2PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4467.00 | MURATA       | GRM39COG***B50ZPT    |
| C255      | CC 2,2PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4467.00 | MURATA       | GRM39COG***B50ZPT    |
| C256      | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT    |

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| C257      | RG 100R +-1% TK100 0603<br>SMD RESISTOR E1A0603    | RG 0009.5334.00 | PHILIPS_CO   | RC 22 H              |
| C258      | CB 220PF 25V 0,2A 1205<br>EMI SUPPRESSION FILTER   | 1085.2245.00    | MURATA       | NFM40R11C221         |
| C259      | CC 2,7PF0,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT    |
| C260      | CC 2,7PF0,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT    |
| C261      | CC 2,2PF0,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4467.00 | MURATA       | GRM39COG***B50ZPT    |
| C262      | CC 10P+-0,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4567.00 | MURATA       | GRM39COG***B50ZPT    |
| C263      | CC 1,0NF+-10%50V HDK 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4938.00 | MURATA       | GRM39X7R***K5C500PT* |
| C264      | CC 10P+-0,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4567.00 | MURATA       | GRM39COG***B50ZPT    |
| C265      | CC 33PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR   | CC 0048.3639.00 | MURATA       | GRM39COG***B50ZPT    |
| C266      | CB 220PF 25V 0,2A 1205<br>EMI SUPPRESSION FILTER   | 1085.2245.00    | MURATA       | NFM40R11C221         |
| C267      | CC 10P+-0,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4567.00 | MURATA       | GRM39COG***B50ZPT    |
| C268      | CC 15PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR   | CC 0009.8227.00 | MURATA       | GRM39COG***F50ZPT    |
| C269      | CC 10P+-0,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4567.00 | MURATA       | GRM39COG***B50ZPT    |
| C270      | CC 10P+-0,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4567.00 | MURATA       | GRM39COG***B50ZPT    |
| C271      | CC 1,0PF0,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.8304.00 | MURATA       | GRM39COG***B50ZPT    |
| C272      | CC 1PF+-0,1PF50V COG0603<br>SMD-CERAMIC CAPACITOR  | CC 0008.2060.00 | AVX          | 0603 5J 1R0 BAW TR   |
| C273      | CC 10P+-0,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4567.00 | MURATA       | GRM39COG***B50ZPT    |
| C274      | CB 220PF 25V 0,2A 1205<br>EMI SUPPRESSION FILTER   | 1085.2245.00    | MURATA       | NFM40R11C221         |
| C275      | CC 10P+-0,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4567.00 | MURATA       | GRM39COG***B50ZPT    |
| C277      | CB 220PF 25V 0,2A 1205<br>EMI SUPPRESSION FILTER   | 1085.2245.00    | MURATA       | NFM40R11C221         |
| C278      | CC 0,2PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR     | CC 0010.7108.00 | AVX          | 0603 5J *** AAW TR   |
| C279      | CC 2,7PF0,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT    |
| C280      | CC 10P+-0,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4567.00 | MURATA       | GRM39COG***B50ZPT    |
| C281      | CC 2,7PF0,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT    |
| C282      | CC 22PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR   | CC 0009.4609.00 | MURATA       | GRM39COG***F50ZPT    |
| C283      | CC 10P+-0,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4567.00 | MURATA       | GRM39COG***B50ZPT    |
| C284      | CC 22PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR   | CC 0009.4609.00 | MURATA       | GRM39COG***F50ZPT    |
| C285      | CC 10P+-0,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4567.00 | MURATA       | GRM39COG***B50ZPT    |
| C286      | CC 22PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR   | CC 0009.4609.00 | MURATA       | GRM39COG***F50ZPT    |
| C287      | CC 10P+-0,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4567.00 | MURATA       | GRM39COG***B50ZPT    |
| C288      | CC 10P+-0,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4567.00 | MURATA       | GRM39COG***B50ZPT    |
| C289      | CC 10P+-0,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4567.00 | MURATA       | GRM39COG***B50ZPT    |
| C290      | CB 220PF 25V 0,2A 1205<br>EMI SUPPRESSION FILTER   | 1085.2245.00    | MURATA       | NFM40R11C221         |
| C291      | CC 2,7PF0,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT    |
| C292      | CC 15PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR   | CC 0009.8227.00 | MURATA       | GRM39COG***F50ZPT    |
| C295      | CB 220PF 25V 0,2A 1205<br>EMI SUPPRESSION FILTER   | 1085.2245.00    | MURATA       | NFM40R11C221         |
| C296      | CC 0,3PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR     | CC 0010.7114.00 | AVX          | 0603 5J *** AAW TR   |
| C297      | CC 1PF+-0,1PF50V COG0603<br>SMD-CERAMIC CAPACITOR  | CC 0008.2060.00 | AVX          | 0603 5J 1R0 BAW TR   |
| C298      | CC 1,2PF0,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4444.00 | MURATA       | GRM39COG***B50ZPT    |
| C299      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |
| C300      |                                                    |                 |              |                      |

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|  | <b>ROHDE &amp; SCHWARZ</b> | 14 | 22.09.99      | EE 6-GHZ-ERWEITERUNG<br>6GHZ EXTENSION | <b>1084.9600.01 SA</b>  | 5+                |

| Comp. No. | Designation                                         | Stock No.       | Manufacturer | Designation        |
|-----------|-----------------------------------------------------|-----------------|--------------|--------------------|
| C301      | CC 1,2PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4444.00 | MURATA       | GRM39COG***B50ZPT  |
| C302      | CC 1,5PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4450.00 | MURATA       | GRM39COG***B50ZPT  |
| ..307     | CC 56PF+-1% 50VNPO 0603<br>SMD CERAMIK CAPACITOR    | CC 1093.6417.00 | MURATA       | GRM39COG***F50ZPT  |
| C308      | CC 2,2PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4467.00 | MURATA       | GRM39COG***B50ZPT  |
| C309      | CC 2,2PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4467.00 | MURATA       | GRM39COG***B50ZPT  |
| C310      | CC 2,2PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.8285.00 | MURATA       | GRM39COG***B50ZPT  |
| C311      | CC 3,3PF 0,1PF 50V NPO 06                           | CC 0009.4509.00 | MURATA       | GRM39COG***B50ZPT  |
| ..314     | SMD-CERAMIC-CAPACITOR                               | CC 0009.4509.00 | MURATA       | GRM39COG***B50ZPT  |
| C315      | CC 3,9PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4509.00 | MURATA       | GRM39COG***B50ZPT  |
| C316      | CC 3,9PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.8304.00 | MURATA       | GRM39COG***B50ZPT  |
| C317      | CC 1,0PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4467.00 | MURATA       | GRM39COG***B50ZPT  |
| C318      | CC 2,2PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT  |
| C319      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT  |
| C320      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 0010.9323.00 | MURATA       | GRM39COG***F50ZPT  |
| C321      | CC 27PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0009.4644.00 | MURATA       | GRM39COG***F50ZPT  |
| ..325     | CC 47PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0009.4644.00 | MURATA       | GRM39COG***F50ZPT  |
| C326      | CC 47PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0010.7120.00 | AVX          | 0603 5J *** AAW TR |
| C327      | CC 47PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0009.4473.00 | MURATA       | GRM39COG***B50ZPT  |
| C328      | CC 0,4PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR      | CC 0010.7172.00 | AVX          | 0603 5J *** AAW TR |
| C329      | CC 1,8PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4473.00 | MURATA       | GRM39COG***B50ZPT  |
| ..331     | CC 0,9PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR      | CC 0009.4473.00 | MURATA       | GRM39COG***B50ZPT  |
| C332      | CC 1,8PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4473.00 | MURATA       | GRM39COG***B50ZPT  |
| C333      | CC 1,8PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0520.6850.00 | AVX          | 1210 5C 224KA 11A  |
| C334      | CC 1,8PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4567.00 | MURATA       | GRM39COG***B50ZPT  |
| C335      | CC 220NF+-10%50V X7R 1210<br>CERAMIC CAPACITOR CHIP | CC 0010.7108.00 | AVX          | 0603 5J *** AAW TR |
| C336      | CC 10P+-0,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0010.7120.00 | AVX          | 0603 5J *** AAW TR |
| C337      | CC 0,2PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR      | CC 0010.7114.00 | AVX          | 0603 5J *** AAW TR |
| C338      | XX ENTHALTEN IN<br>INCLUDED IN                      | CC 0010.7108.00 | AVX          | 0603 5J *** AAW TR |
| C339      | CC 0,4PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR      | CC 0009.4567.00 | MURATA       | GRM39COG***B50ZPT  |
| C340      | CC 0,3PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR      | CC 0009.8262.00 | MURATA       | GRM39COG***B50ZPT  |
| C341      | CC 0,2PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR      | CC 0009.8262.00 | MURATA       | GRM39COG***B50ZPT  |
| C342      | CC 0,2PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR      | CC 0009.4521.00 | MURATA       | GRM39COG***B50ZPT  |
| C343      | CC 10P+-0,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.8262.00 | MURATA       | GRM39COG***B50ZPT  |
| C344      | CC 6,8PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.8262.00 | MURATA       | GRM39COG***B50ZPT  |
| C345      | CC 6,8PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 1093.6417.00 | MURATA       | GRM39COG***F50ZPT  |
| C346      | CC 5,6PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT  |
| C347      | CC 6,8PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.8262.00 | MURATA       | GRM39COG***B50ZPT  |
| ..349     | CC 56PF+-1% 50VNPO 0603<br>SMD CERAMIK CAPACITOR    | CC 0009.8262.00 | MURATA       | GRM39COG***B50ZPT  |
| C350      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 0010.7172.00 | AVX          | 0603 5J *** AAW TR |
| C351      | CC 6,8PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT  |
| ..354     | CC 0,9PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR      |                 |              |                    |
| C355      | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  |                 |              |                    |
| C356      | XX ENTHALTEN IN<br>INCLUDED IN                      |                 |              |                    |
| C357      |                                                     |                 |              |                    |

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| <br><b>ROHDE &amp; SCHWARZ</b> | 14       | 22.09.99 | EE 6-GHZ-ERWEITERUNG<br>6GHZ EXTENSION | <b>1084.9600.01 SA</b>                | 6+                      |                   |

| Comp. No. | Stock No.                                          | Manufacturer    | Designation                 |
|-----------|----------------------------------------------------|-----------------|-----------------------------|
| C358      | CC 0,8PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR     | CC 0010.7166.00 | AVX 0603 5J *** AAW TR      |
| C359      | CC 5,6PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4521.00 | MURATA GRM39COG***B50ZPT    |
| C360      | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |                             |
| C361      | CB 220PF 25V 0,2A 1205<br>EMI SUPPRESSION FILTER   | 1085.2245.00    | MURATA NFM40R11C221         |
| C364      | CC 220PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4721.00 | MURATA GRM39COG***F50ZPT    |
| C365      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR | CC 1051.4697.00 | AVX CM105X7R333K25VAT       |
| C366      | CC 0,4PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR     | CC 0010.7120.00 | AVX 0603 5J *** AAW TR      |
| C367      | CB 220PF 25V 0,2A 1205<br>EMI SUPPRESSION FILTER   | 1085.2245.00    | MURATA NFM40R11C221         |
| C368      | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4844.00 | MURATA GRM39X7R***K5C50OPT* |
| C369      | CC 1PF+-0,1PF50V COG0603<br>SMD-CERAMIC CAPACITOR  | CC 0008.2060.00 | AVX 0603 5J 1R0 BAW TR      |
| C370      | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |                             |
| C375      | CC 0,9PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR     | CC 0010.7172.00 | AVX 0603 5J *** AAW TR      |
| C376      | CC 15PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR   | CC 0009.8227.00 | MURATA GRM39COG***F50ZPT    |
| C377      | CB 220PF 25V 0,2A 1205<br>EMI SUPPRESSION FILTER   | 1085.2245.00    | MURATA NFM40R11C221         |
| C378      | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |                             |
| C379      | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.8291.00 | MURATA GRM39COG***B50ZPT    |
| C380      | CC 0,3PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR     | CC 0010.7114.00 | AVX 0603 5J *** AAW TR      |
| C381      | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |                             |
| C382      | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |                             |
| C383      | CC 1,5PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4450.00 | MURATA GRM39COG***B50ZPT    |
| C384      | CC 0,3PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR     | CC 0010.7114.00 | AVX 0603 5J *** AAW TR      |
| C385      | CC 0,7PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR     | CC 0010.7150.00 | AVX 0603 5J *** AAW TR      |
| C386      | CC 0,7PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR     | CC 0010.7150.00 | AVX 0603 5J *** AAW TR      |
| C387      | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |                             |
| C394      | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.8291.00 | MURATA GRM39COG***B50ZPT    |
| C395      | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |                             |
| C398      | CC 0,6PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR     | CC 0010.7143.00 | AVX 0603 5J *** AAW TR      |
| C399      | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |                             |
| C402      | CC 1,0PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.8304.00 | MURATA GRM39COG***B50ZPT    |
| C403      | CC 2,2PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4467.00 | MURATA GRM39COG***B50ZPT    |
| C404      | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |                             |
| C405      | CC 0,2PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR     | CC 0010.7108.00 | AVX 0603 5J *** AAW TR      |
| C406      | CB 220PF 25V 0,2A 1205<br>EMI SUPPRESSION FILTER   | 1085.2245.00    | MURATA NFM40R11C221         |
| C407      | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |                             |
| C408      | CB 220PF 25V 0,2A 1205<br>EMI SUPPRESSION FILTER   | 1085.2245.00    | MURATA NFM40R11C221         |
| C409      | CC 0,4PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR     | CC 0010.7120.00 | AVX 0603 5J *** AAW TR      |
| C410      | CC 0,3PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR     | CC 0010.7114.00 | AVX 0603 5J *** AAW TR      |
| C411      | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.8291.00 | MURATA GRM39COG***B50ZPT    |
| C412      | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.8291.00 | MURATA GRM39COG***B50ZPT    |

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|  |          | 14 | 22.09.99      | EE 6-GHZ-ERWEITERUNG<br>6GHZ EXTENSION | <b>1084.9600.01 SA</b>  | 7+                |

| Comp. No. | Designation                                        | Stock No.       | Manufacturer | Designation        | contained in |
|-----------|----------------------------------------------------|-----------------|--------------|--------------------|--------------|
| C413      | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |              |                    |              |
| C414      | CC 0,6PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR     | CC 0010.7143.00 | AVX          | 0603 5J *** AAW TR |              |
| C415      | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |              |                    |              |
| ..418     | CB 220PF 25V 0,2A 1205<br>EMI SUPPRESSION FILTER   | 1085.2245.00    | MURATA       | NFM40R11C221       |              |
| C419      | CC 2,2PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4467.00 | MURATA       | GRM39COG***B50ZPT  |              |
| C420      | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |              |                    |              |
| ..427     | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT  |              |
| C428      | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |              |                    |              |
| C429      | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT  |              |
| ..432     | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |              |                    |              |
| C433      | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT  |              |
| C434      | CC 0,1PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR     | CC 0010.7095.00 | AVX          | 0603 5J *** AAW TR |              |
| C435      | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT  |              |
| C436      | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |              |                    |              |
| C437      | CC 0,1PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR     | CC 0010.7095.00 | AVX          | 0603 5J *** AAW TR |              |
| C438      | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |              |                    |              |
| ..441     | CB 220PF 25V 0,2A 1205<br>EMI SUPPRESSION FILTER   | 1085.2245.00    | MURATA       | NFM40R11C221       |              |
| C442      | CC 220PF 25V 0,2A 1205<br>EMI SUPPRESSION FILTER   | 1085.2245.00    | MURATA       | NFM40R11C221       |              |
| C443      | CC 0,1PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR     | CC 0010.7095.00 | AVX          | 0603 5J *** AAW TR |              |
| C444      | CC 0,6PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR     | CC 0010.7143.00 | AVX          | 0603 5J *** AAW TR |              |
| C445      | CC 0,6PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR     | CC 0010.7143.00 | AVX          | 0603 5J *** AAW TR |              |
| C446      | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |              |                    |              |
| C447      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT  |              |
| C448      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT  |              |
| C449      | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |              |                    |              |
| C450      | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT  |              |
| C451      | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |              |                    |              |
| C452      | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |              |                    |              |
| C453      | CB 220PF 25V 0,2A 1205<br>EMI SUPPRESSION FILTER   | 1085.2245.00    | MURATA       | NFM40R11C221       |              |
| C454      | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |              |                    |              |
| ..459     | CB 220PF 25V 0,2A 1205<br>EMI SUPPRESSION FILTER   | 1085.2245.00    | MURATA       | NFM40R11C221       |              |
| C460      | CB 220PF 25V 0,2A 1205<br>EMI SUPPRESSION FILTER   | 1085.2245.00    | MURATA       | NFM40R11C221       |              |
| C461      | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |              |                    |              |
| ..464     | CB 220PF 25V 0,2A 1205<br>EMI SUPPRESSION FILTER   | 1085.2245.00    | MURATA       | NFM40R11C221       |              |
| C465      | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |              |                    |              |
| C466      | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |              |                    |              |
| C467      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT  |              |
| C468      | CC 0,1PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR     | CC 0010.7095.00 | AVX          | 0603 5J *** AAW TR |              |
| C469      | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |              |                    |              |
| C470      | CB 220PF 25V 0,2A 1205<br>EMI SUPPRESSION FILTER   | 1085.2245.00    | MURATA       | NFM40R11C221       |              |
| C471      | CB 220PF 25V 0,2A 1205<br>EMI SUPPRESSION FILTER   | 1085.2245.00    | MURATA       | NFM40R11C221       |              |
| C472      | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |              |                    |              |

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| <br><b>ROHDE &amp; SCHWARZ</b> | 14       | 22.09.99 | EE 6-GHZ-ERWEITERUNG<br>6GHZ EXTENSION | <b>1084.9600.01 SA</b>                | 8+                      |                   |

| Comp. No. | Designation                                        | Stock No.       | Manufacturer | Designation        |
|-----------|----------------------------------------------------|-----------------|--------------|--------------------|
| C473      | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT  |
| C474      | CC 0,5PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR     | CC 0010.7137.00 | AVX          | 0603 5J *** AAW TR |
| C475      | CC 0,4PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR     | CC 0010.7120.00 | AVX          | 0603 5J *** AAW TR |
| C476      | CC 1,8PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4473.00 | MURATA       | GRM39COG***B50ZPT  |
| C477      | CC 0,1PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR     | CC 0010.7095.00 | AVX          | 0603 5J *** AAW TR |
| C478      | CC 0,6PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR     | CC 0010.7143.00 | AVX          | 0603 5J *** AAW TR |
| C479      | CB 220PF 25V 0,2A 1205<br>EMI SUPPRESSION FILTER   | 1085.2245.00    | MURATA       | NFM40R11C221       |
| C480      | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |              |                    |
| C481      | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |              |                    |
| C482      | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT  |
| C483      | CB 220PF 25V 0,2A 1205<br>EMI SUPPRESSION FILTER   | 1085.2245.00    | MURATA       | NFM40R11C221       |
| C484      | CC 0,1PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR     | CC 0010.7095.00 | AVX          | 0603 5J *** AAW TR |
| C485      | CB 220PF 25V 0,2A 1205<br>EMI SUPPRESSION FILTER   | 1085.2245.00    | MURATA       | NFM40R11C221       |
| C487      | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |              |                    |
| C488      | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |              |                    |
| C489      | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT  |
| C490      | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |              |                    |
| C493      | CB 220PF 25V 0,2A 1205<br>EMI SUPPRESSION FILTER   | 1085.2245.00    | MURATA       | NFM40R11C221       |
| C494      | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT  |
| C495      | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |              |                    |
| C497      | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR |                 |              |                    |
| C498      | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |              |                    |
| C500      | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT  |
| C501      | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT  |
| C502      | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0010.7095.00 | AVX          | 0603 5J *** AAW TR |
| C503      | CC 0,1PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR     | CC 0010.7095.00 | AVX          | 0603 5J *** AAW TR |
| C504      | CC 0,1PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR     | CC 0010.7095.00 | AVX          | 0603 5J *** AAW TR |
| C505      | CC 0,1PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR     | CC 0010.7095.00 | AVX          | 0603 5J *** AAW TR |
| C506      | CC 0,1PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR     | CC 0010.7095.00 | AVX          | 0603 5J *** AAW TR |
| C507      | CC 0,1PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR     | CC 0010.7095.00 | AVX          | 0603 5J *** AAW TR |
| C508      | CC 1,2PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4444.00 | MURATA       | GRM39COG***B50ZPT  |
| C509      | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT  |
| C510      | CC 0,3PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR     | CC 0010.7114.00 | AVX          | 0603 5J *** AAW TR |
| C511      | CC 0,9PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR     | CC 0010.7172.00 | AVX          | 0603 5J *** AAW TR |
| C512      | CC 0,8PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR     | CC 0010.7166.00 | AVX          | 0603 5J *** AAW TR |
| C513      | CB 220PF 25V 0,2A 1205<br>EMI SUPPRESSION FILTER   | 1085.2245.00    | MURATA       | NFM40R11C221       |
| C514      | CC 4,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4538.00 | MURATA       | GRM39COG***B50ZPT  |
| C515      | CC 3,3PF 0,1PF 50V NPO 06<br>SMD-CERAMIC-CAPACITOR | CC 0009.8285.00 | MURATA       | GRM39COG***B50ZPT  |
| C516      | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |              |                    |
| C517      | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT  |
| C518      | CC 4,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4538.00 | MURATA       | GRM39COG***B50ZPT  |
| C521      | CB 220PF 25V 0,2A 1205<br>EMI SUPPRESSION FILTER   | 1085.2245.00    | MURATA       | NFM40R11C221       |
| C522      | CC 4,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4538.00 | MURATA       | GRM39COG***B50ZPT  |
| C523      |                                                    |                 |              |                    |
| C526      |                                                    |                 |              |                    |

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|  |          | 14 | 22.09.99      | EE 6-GHZ-ERWEITERUNG<br>6GHZ EXTENSION | <b>1084.9600.01 SA</b>  | 9+                |

| Comp. No. | Designation                                              | Stock No.       | Manufacturer | Designation        |
|-----------|----------------------------------------------------------|-----------------|--------------|--------------------|
| C527      | CC 2,7PFO, 1PF50V NPO 0603                               | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT  |
| C528      | SMD-CERAMIC-CAPACITOR<br>CB 220PF 25V 0,2A 1205          | 1085.2245.00    | MURATA       | NFM40R11C221       |
| C529      | EMI SUPPRESSION FILTER<br>CC 0,1PF+-0,05PF 0603          | CC 0010.7095.00 | AVX          | 0603 5J *** AAW TR |
| C530      | SMD-CERAMIC CAPACITOR<br>CC 2,7PFO, 1PF50V NPO 0603      | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT  |
| ..532     | SMD-CERAMIC-CAPACITOR                                    |                 |              |                    |
| C533      | XX ENTHALTEN IN<br>INCLUDED IN                           |                 |              |                    |
| C534      | CC 0,3PF+-0,05PF 0603                                    | CC 0010.7114.00 | AVX          | 0603 5J *** AAW TR |
| C535      | SMD-CERAMIC CAPACITOR<br>CC 1,5PFO, 1PF50V NPO 0603      | CC 0009.4450.00 | MURATA       | GRM39COG***B50ZPT  |
| ..539     | SMD-CERAMIC-CAPACITOR                                    |                 |              |                    |
| C540      | CC 1,2PFO, 1PF50V NPO 0603                               | CC 0009.4444.00 | MURATA       | GRM39COG***B50ZPT  |
| C541      | SMD-CERAMIC-CAPACITOR<br>CC 1,2PFO, 1PF50V NPO 0603      | CC 0009.4444.00 | MURATA       | GRM39COG***B50ZPT  |
| C542      | SMD-CERAMIC-CAPACITOR<br>CC 1,8PFO, 1PF50V NPO 0603      | CC 0009.4473.00 | MURATA       | GRM39COG***B50ZPT  |
| C543      | SMD-CERAMIC-CAPACITOR<br>CC 1,8PFO, 1PF50V NPO 0603      | CC 0009.4473.00 | MURATA       | GRM39COG***B50ZPT  |
| C544      | SMD-CERAMIC-CAPACITOR<br>CC 0,1PF+-0,05PF 0603           | CC 0010.7095.00 | AVX          | 0603 5J *** AAW TR |
| C545      | SMD-CERAMIC CAPACITOR<br>CC 2,7PFO, 1PF50V NPO 0603      | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT  |
| C546      | SMD-CERAMIC-CAPACITOR<br>CC 1,2PFO, 1PF50V NPO 0603      | CC 0009.4444.00 | MURATA       | GRM39COG***B50ZPT  |
| C547      | SMD-CERAMIC-CAPACITOR<br>CC 0,3PF+-0,05PF 0603           | CC 0010.7114.00 | AVX          | 0603 5J *** AAW TR |
| C548      | SMD-CERAMIC CAPACITOR<br>CB 220PF 25V 0,2A 1205          | 1085.2245.00    | MURATA       | NFM40R11C221       |
| C549      | EMI SUPPRESSION FILTER<br>CC 0,1PF+-0,05PF 0603          | CC 0010.7095.00 | AVX          | 0603 5J *** AAW TR |
| C550      | SMD-CERAMIC CAPACITOR<br>CC 2,7PFO, 1PF50V NPO 0603      | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT  |
| C551      | SMD-CERAMIC-CAPACITOR<br>CB 220PF 25V 0,2A 1205          | 1085.2245.00    | MURATA       | NFM40R11C221       |
| C552      | EMI SUPPRESSION FILTER<br>CC 0,8PF+-0,05PF 0603          | CC 0010.7166.00 | AVX          | 0603 5J *** AAW TR |
| C553      | SMD-CERAMIC CAPACITOR<br>CC 1,0PFO, 1PF50V NPO 0603      | CC 0009.8304.00 | MURATA       | GRM39COG***B50ZPT  |
| C554      | SMD-CERAMIC-CAPACITOR<br>CC 220NF+-10%50V X7R 1210       | CC 0520.6850.00 | AVX          | 1210 5C 224KA 11A  |
| C555      | CERAMIC CAPACITOR CHIP<br>XX ENTHALTEN IN<br>INCLUDED IN |                 |              |                    |
| C556      | CB 220PF 25V 0,2A 1205                                   | 1085.2245.00    | MURATA       | NFM40R11C221       |
| C557      | EMI SUPPRESSION FILTER<br>CC 0,8PF+-0,05PF 0603          | CC 0010.7166.00 | AVX          | 0603 5J *** AAW TR |
| C558      | SMD-CERAMIC CAPACITOR<br>CC 0,1PF+-0,05PF 0603           | CC 0010.7095.00 | AVX          | 0603 5J *** AAW TR |
| C559      | SMD-CERAMIC CAPACITOR<br>CC 0,1PF+-0,05PF 0603           | CC 0010.7095.00 | AVX          | 0603 5J *** AAW TR |
| C560      | SMD-CERAMIC CAPACITOR<br>CC 2,7PFO, 1PF50V NPO 0603      | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT  |
| C561      | SMD-CERAMIC-CAPACITOR<br>CC 1,0PFO, 1PF50V NPO 0603      | CC 0009.8304.00 | MURATA       | GRM39COG***B50ZPT  |
| C562      | SMD-CERAMIC-CAPACITOR<br>CC 1,0PFO, 1PF50V NPO 0603      | CC 0009.8304.00 | MURATA       | GRM39COG***B50ZPT  |
| C563      | SMD-CERAMIC-CAPACITOR<br>CC 0,1PF+-0,05PF 0603           | CC 0010.7095.00 | AVX          | 0603 5J *** AAW TR |
| C564      | SMD-CERAMIC CAPACITOR<br>CC 2,7PFO, 1PF50V NPO 0603      | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT  |
| C565      | SMD-CERAMIC-CAPACITOR<br>CC 1,0PFO, 1PF50V NPO 0603      | CC 0009.8304.00 | MURATA       | GRM39COG***B50ZPT  |
| C566      | SMD-CERAMIC-CAPACITOR<br>CC 1,0PFO, 1PF50V NPO 0603      | CC 0009.8304.00 | MURATA       | GRM39COG***B50ZPT  |
| C567      | SMD-CERAMIC-CAPACITOR<br>CC 2,7PFO, 1PF50V NPO 0603      | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT  |
| C568      | SMD-CERAMIC-CAPACITOR<br>CC 2,7PFO, 1PF50V NPO 0603      | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT  |
| C569      | SMD-CERAMIC-CAPACITOR<br>CC 0,8PF+-0,05PF 0603           | CC 0010.7166.00 | AVX          | 0603 5J *** AAW TR |
| C570      | SMD-CERAMIC CAPACITOR<br>CB 220PF 25V 0,2A 1205          | 1085.2245.00    | MURATA       | NFM40R11C221       |
| C571      | EMI SUPPRESSION FILTER<br>CC 220NF+-10%50V X7R 1210      | CC 0520.6850.00 | AVX          | 1210 5C 224KA 11A  |
| C571      | CERAMIC CAPACITOR CHIP                                   |                 |              |                    |

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| <br><b>ROHDE &amp; SCHWARZ</b> | 14       | 22.09.99 | EE 6-GHZ-ERWEITERUNG<br>6GHZ EXTENSION | <b>1084.9600.01 SA</b>                | 10+                     |                   |

| Comp. No. | Designation                                         | Stock No.       | Manufacturer | Designation          |
|-----------|-----------------------------------------------------|-----------------|--------------|----------------------|
| C572      | CB 220PF 25V 0,2A 1205<br>EMI SUPPRESSION FILTER    | 1085.2245.00    | MURATA       | NFM40R11C221         |
| C573      | CB 220PF 25V 0,2A 1205<br>EMI SUPPRESSION FILTER    | 1085.2245.00    | MURATA       | NFM40R11C221         |
| C574      | CC 2,7PFO, 1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT    |
| C575      | CC 3,3PF 0,1PF 50V NPO 06                           | CC 0009.8285.00 | MURATA       | GRM39COG***B50ZPT    |
| ..577     | SMD-CERAMIC-CAPACITOR                               |                 |              |                      |
| C578      | CC 0,1PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR      | CC 0010.7095.00 | AVX          | 0603 5J *** AAW TR   |
| C579      | CC 2,7PFO, 1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT    |
| C580      | CC 0,2PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR      | CC 0010.7108.00 | AVX          | 0603 5J *** AAW TR   |
| C581      | CC 0,5PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR      | CC 0010.7137.00 | AVX          | 0603 5J *** AAW TR   |
| C582      | CC 1PF+-0,1PF50V COG0603<br>SMD-CERAMIC CAPACITOR   | CC 0008.2060.00 | AVX          | 0603 5J 1RO BAW TR   |
| C583      | CC 0,5PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR      | CC 0010.7137.00 | AVX          | 0603 5J *** AAW TR   |
| C584      | CC 2,2PFO, 1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4467.00 | MURATA       | GRM39COG***B50ZPT    |
| C585      | CC 0,5PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR      | CC 0010.7137.00 | AVX          | 0603 5J *** AAW TR   |
| C586      | CC 220NF+-10%50V X7R 1210<br>CERAMIC CAPACITOR CHIP | CC 0520.6850.00 | AVX          | 1210 5C 224KA 11A    |
| C587      | CC 8,2PFO, 1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4550.00 | MURATA       | GRM39COG***B50ZPT    |
| C588      | CC 8,2PFO, 1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4550.00 | MURATA       | GRM39COG***B50ZPT    |
| C589      | CC 18PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0048.3622.00 | MURATA       | GRM39COG***F50ZPT    |
| C590      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |
| C591      | CC 220NF+-10%50V X7R 1210<br>CERAMIC CAPACITOR CHIP | CC 0520.6850.00 | AVX          | 1210 5C 224KA 11A    |
| C592      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |
| C593      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |
| C594      | CC 15PF+-1% 50V COG0603<br>SMD-CERAMIC CAPACITOR    | CC 0008.2202.00 | AVX          | 06035J150FA000J      |
| C595      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |
| C596      | CC 15PF+-1% 50V COG0603<br>SMD-CERAMIC CAPACITOR    | CC 0008.2202.00 | AVX          | 06035J150FA000J      |
| C597      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |
| C598      | CB 220PF 25V 0,2A 1205<br>EMI SUPPRESSION FILTER    | 1085.2245.00    | MURATA       | NFM40R11C221         |
| C599      | CC 0,8PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR      | CC 0010.7166.00 | AVX          | 0603 5J *** AAW TR   |
| C600      | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR   | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C50OPT* |
| C601      | CC 1,5PFO, 1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4450.00 | MURATA       | GRM39COG***B50ZPT    |
| C602      | CC 1,5PFO, 1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4450.00 | MURATA       | GRM39COG***B50ZPT    |
| C603      | CC 2,7PFO, 1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT    |
| C604      | CC 2,7PFO, 1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT    |
| C605      | CC 0,8PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR      | CC 0010.7166.00 | AVX          | 0603 5J *** AAW TR   |
| C606      | CC 470PF+-10%50V HDK 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4896.00 | MURATA       | GRM39X7R***K5C50OPT* |
| ..608     |                                                     |                 |              |                      |
| C609      | CC 0,8PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR      | CC 0010.7166.00 | AVX          | 0603 5J *** AAW TR   |
| C610      | CB 220PF 25V 0,2A 1205<br>EMI SUPPRESSION FILTER    | 1085.2245.00    | MURATA       | NFM40R11C221         |
| C611      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |
| ..614     |                                                     |                 |              |                      |
| C615      | CC 100NF+-10%16V HDK 0603<br>CERAMIC CHIP CAPACITOR | CC 1097.6292.00 | AVX          | CM105 X7R104K16AT    |
| C616      | CC 100NF+-10%16V HDK 0603<br>CERAMIC CHIP CAPACITOR | CC 1097.6292.00 | AVX          | CM105 X7R104K16AT    |
| C617      | CC 0,8PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR      | CC 0010.7166.00 | AVX          | 0603 5J *** AAW TR   |

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| <br><b>ROHDE &amp; SCHWARZ</b> | 14       | 22.09.99 | EE 6-GHZ-ERWEITERUNG<br>6GHZ EXTENSION | <b>1084.9600.01 SA</b>                | 11+                     |                   |

| Comp. No. | Designation                                           | Stock No.       | Manufacturer | Designation          | Continued       |
|-----------|-------------------------------------------------------|-----------------|--------------|----------------------|-----------------|
| C618      | CC 470PF+-10%50V HDK 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0009.4896.00 | MURATA       | GRM39X7R***K5C500PT* | ManualsPlus.com |
| C619      | CC 100NF+-10%16V HDK 0603<br>CERAMIC CHIP CAPACITOR   | CC 1097.6292.00 | AVX          | CM105 X7R104K16AT    |                 |
| C620      | CC 0,8PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR        | CC 0010.7166.00 | AVX          | 0603 5J *** AAW TR   |                 |
| C621      | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT    |                 |
| C622      | CC 100NF+-10%16V HDK 0603<br>CERAMIC CHIP CAPACITOR   | CC 1097.6292.00 | AVX          | CM105 X7R104K16AT    |                 |
| C623      | CC 100NF+-10%16V HDK 0603<br>CERAMIC CHIP CAPACITOR   | CC 1097.6292.00 | AVX          | CM105 X7R104K16AT    |                 |
| C624      | CC 0,9PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR        | CC 0010.7172.00 | AVX          | 0603 5J *** AAW TR   |                 |
| C625      | CC 0,7PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR        | CC 0010.7150.00 | AVX          | 0603 5J *** AAW TR   |                 |
| C626      | CC 0,7PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR        | CC 0010.7150.00 | AVX          | 0603 5J *** AAW TR   |                 |
| C627      | CE 100UF+-20%16V RUND SMD<br>SMD-ELECTOLYTIC CAPACIT. | CE 0009.6553.00 | SANYO        | 16CV100F(G)S         |                 |
| C628      | CE 100UF+-20%16V RUND SMD<br>SMD-ELECTOLYTIC CAPACIT. | CE 0009.6553.00 | SANYO        | 16CV100F(G)S         |                 |
| C629      | CC 0,7PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR        | CC 0010.7150.00 | AVX          | 0603 5J *** AAW TR   |                 |
| C630      | CC 1,0PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0009.8304.00 | MURATA       | GRM39COG***B50ZPT    |                 |
| C631      | CC 1,2PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0009.4444.00 | MURATA       | GRM39COG***B50ZPT    |                 |
| C632      | CC 1,2PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0009.4444.00 | MURATA       | GRM39COG***B50ZPT    |                 |
| C633      | CC 0,7PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR        | CC 0010.7150.00 | AVX          | 0603 5J *** AAW TR   |                 |
| C634      | CC 0,1PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR        | CC 0010.7095.00 | AVX          | 0603 5J *** AAW TR   |                 |
| C635      | CC 0,7PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR        | CC 0010.7150.00 | AVX          | 0603 5J *** AAW TR   |                 |
| C636      | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT    |                 |
| C637      | CC 470PF+-10%50V HDK 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0009.4896.00 | MURATA       | GRM39X7R***K5C500PT* |                 |
| C638      | CC 1,0NF+-10%50V HDK 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0009.4938.00 | MURATA       | GRM39X7R***K5C500PT* |                 |
| C639      | CB 220PF 25V 0,2A 1205<br>EMI SUPPRESSION FILTER      | 1085.2245.00    | MURATA       | NFM40R11C221         |                 |
| C640      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR    | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |                 |
| C641      | CC 1,0NF+-10%50V HDK 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0009.4938.00 | MURATA       | GRM39X7R***K5C500PT* |                 |
| C642      | CC 1PF+-0,1PF50V CG0603<br>SMD-CERAMIC CAPACITOR      | CC 0008.2060.00 | AVX          | 0603 5J 1R0 BAW TR   |                 |
| C643      | CB 220PF 25V 0,2A 1205<br>EMI SUPPRESSION FILTER      | 1085.2245.00    | MURATA       | NFM40R11C221         |                 |
| C644      | CC 1,0NF+-10%50V HDK 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0009.4938.00 | MURATA       | GRM39X7R***K5C500PT* |                 |
| C645      | CC 1,0NF+-10%50V HDK 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0009.4938.00 | MURATA       | GRM39X7R***K5C500PT* |                 |
| C646      | CC 100NF+-10%16V HDK 0603<br>CERAMIC CHIP CAPACITOR   | CC 1097.6292.00 | AVX          | CM105 X7R104K16AT    |                 |
| C647      | CC 82PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR      | CC 1097.6363.00 | MURATA       | GRM39COG***F50ZPT    |                 |
| C648      | CC 1,0NF+-10%50V HDK 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0009.4938.00 | MURATA       | GRM39X7R***K5C500PT* |                 |
| C649      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR    | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |                 |
| C650      | CC 100NF+-10%16V HDK 0603<br>CERAMIC CHIP CAPACITOR   | CC 1097.6292.00 | AVX          | CM105 X7R104K16AT    |                 |
| C651      | CC 1,0NF+-10%50V HDK 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0009.4938.00 | MURATA       | GRM39X7R***K5C500PT* |                 |
| C652      | CC 330PF+-5% 50V HDK 0603<br>SMD CERAMIC CAPACITOR    | CC 1097.6205.00 | MURATA       | GRM39X7R331J50PT     |                 |
| C653      | CC 1,0NF+-10%50V HDK 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0009.4938.00 | MURATA       | GRM39X7R***K5C500PT* |                 |
| C654      | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR     | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |                 |
| C655      | CC 18PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR      | CC 0048.3622.00 | MURATA       | GRM39COG***F50ZPT    |                 |
| C656      | CC 1,0NF+-10%50V HDK 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0009.4938.00 | MURATA       | GRM39X7R***K5C500PT* |                 |

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| <br><b>ROHDE &amp; SCHWARZ</b> | 14       | 22.09.99 | EE 6-GHZ-ERWEITERUNG<br>6GHZ EXTENSION | <b>1084.9600.01 SA</b>                 | 12+                     |                   |

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| Comp. No. | Designation                                           | Stock No.       | Manufacturer | Designation          | contained in |
|-----------|-------------------------------------------------------|-----------------|--------------|----------------------|--------------|
| C657      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR    | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C658      | CC 1,0NF+-10%50V HDK 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0009.4938.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C659      | CC 1,0NF+-10%50V HDK 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0009.4938.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C660      | CC 470PF+-10%50V HDK 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0009.4896.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C661      | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR     | CC 0009.4680.00 | MURATA       | GRM39C0G***F50ZPT    |              |
| ..663     | CB 220PF 25V 0,2A 1205<br>EMI SUPPRESSION FILTER      | 1085.2245.00    | MURATA       | NFM40R11C221         |              |
| C664      | CB 220PF 25V 0,2A 1205<br>EMI SUPPRESSION FILTER      | 1085.2245.00    | MURATA       | NFM40R11C221         |              |
| C665      | XX ENTHALTEN IN<br>INCLUDED IN                        |                 |              |                      |              |
| C666      | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR     | CC 0009.4680.00 | MURATA       | GRM39C0G***F50ZPT    |              |
| C667      | CC 2,7PFO, 1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR   | CC 0009.8291.00 | MURATA       | GRM39C0G***B50ZPT    |              |
| C668      | CC 2,7PFO, 1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR   | CC 0009.8291.00 | MURATA       | GRM39C0G***B50ZPT    |              |
| C669      | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR     | CC 0009.4680.00 | MURATA       | GRM39C0G***F50ZPT    |              |
| C670      | CC 1,0NF+-10%50V HDK 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0009.4938.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C671      | CC 1,0NF+-10%50V HDK 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0009.4938.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C672      | XX ENTHALTEN IN<br>INCLUDED IN                        |                 |              |                      |              |
| C673      | CE 22UF+-20%35V RUND SMD<br>SMD ELECTROLYTIC CAPACIT. | CE 0009.6253.00 | PANASONIC    | EEV HB 1V 220P       |              |
| C674      | CC 4,7NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0009.4809.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C675      | XX ENTHALTEN IN<br>INCLUDED IN                        |                 |              |                      |              |
| ..677     | CC 4,7NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0009.4809.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C676      | CC 4,7NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0009.4809.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C677      | CC 4,7NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0009.4809.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C678      | CC 2,2PFO, 1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR   | CC 0009.4467.00 | MURATA       | GRM39C0G***B50ZPT    |              |
| C679      | CC 2,7PFO, 1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR   | CC 0009.8291.00 | MURATA       | GRM39C0G***B50ZPT    |              |
| C680      | CC 1,0PFO, 1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR   | CC 0009.8304.00 | MURATA       | GRM39C0G***B50ZPT    |              |
| C681      | XX ENTHALTEN IN<br>INCLUDED IN                        |                 |              |                      |              |
| ..684     | CC 2,7PFO, 1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR   | CC 0009.8291.00 | MURATA       | GRM39C0G***B50ZPT    |              |
| C682      | CC 2,7PFO, 1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR   | CC 0009.8291.00 | MURATA       | GRM39C0G***B50ZPT    |              |
| C683      | CC 0,1PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR        | CC 0010.7095.00 | AVX          | 0603 5J *** AAW TR   |              |
| C684      | CC 0,1PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR        | CC 0010.7095.00 | AVX          | 0603 5J *** AAW TR   |              |
| C685      | CC 2,7PFO, 1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR   | CC 0009.8291.00 | MURATA       | GRM39C0G***B50ZPT    |              |
| C686      | CC 2,7PFO, 1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR   | CC 0009.8291.00 | MURATA       | GRM39C0G***B50ZPT    |              |
| C687      | CB 220PF 25V 0,2A 1205<br>EMI SUPPRESSION FILTER      | 1085.2245.00    | MURATA       | NFM40R11C221         |              |
| C688      | CC 18PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR      | CC 0048.3622.00 | MURATA       | GRM39C0G***F50ZPT    |              |
| C689      | XX ENTHALTEN IN<br>INCLUDED IN                        |                 |              |                      |              |
| C690      | CC 270PF+-10% 50VHDK 0603<br>SMD CERAMIC CAPACITOR    | CC 1097.6370.00 | VITRAMON     | VJO603Y***KXAT       |              |
| C691      | CC 0,1PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR        | CC 0010.7095.00 | AVX          | 0603 5J *** AAW TR   |              |
| C692      | XX ENTHALTEN IN<br>INCLUDED IN                        |                 |              |                      |              |
| C693      | XX ENTHALTEN IN<br>INCLUDED IN                        |                 |              |                      |              |
| C694      | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR     | CC 0009.4680.00 | MURATA       | GRM39C0G***F50ZPT    |              |
| C695      | CC 18PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR      | CC 0048.3622.00 | MURATA       | GRM39C0G***F50ZPT    |              |
| C696      | XX ENTHALTEN IN<br>INCLUDED IN                        |                 |              |                      |              |
| C697      | XX ENTHALTEN IN<br>INCLUDED IN                        |                 |              |                      |              |
| C698      | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR     | CC 0009.4680.00 | MURATA       | GRM39C0G***F50ZPT    |              |
| C699      | CC 18PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR      | CC 0048.3622.00 | MURATA       | GRM39C0G***F50ZPT    |              |
| C700      | XX ENTHALTEN IN<br>INCLUDED IN                        |                 |              |                      |              |
| C701      | XX ENTHALTEN IN<br>INCLUDED IN                        |                 |              |                      |              |
| C702      | XX ENTHALTEN IN<br>INCLUDED IN                        |                 |              |                      |              |

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| C703                  | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    | ManualsPlus.com |
| C704                  | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |              |                      |                 |
| C705                  | CC 470PF+-10%50V HDK 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4896.00 | MURATA       | GRM39X7R***K5C500PT* |                 |
| C706                  | CC 0,1PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR     | CC 0010.7095.00 | AVX          | 0603 5J *** AAW TR   |                 |
| C707                  | XX ENTHALTEN IN                                    |                 |              |                      |                 |
| C709                  | INCLUDED IN                                        |                 |              |                      |                 |
| C710                  | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |                 |
| C711                  | XX ENTHALTEN IN                                    |                 |              |                      |                 |
| C712                  | INCLUDED IN                                        |                 |              |                      |                 |
| C712                  | CC 3,3PF 0,1PF 50V NPO 06<br>SMD-CERAMIC-CAPACITOR | CC 0009.8285.00 | MURATA       | GRM39COG***B50ZPT    |                 |
| C713                  | CC 0,4PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR     | CC 0010.7120.00 | AVX          | 0603 5J *** AAW TR   |                 |
| C714                  | XX ENTHALTEN IN                                    |                 |              |                      |                 |
| C715                  | INCLUDED IN                                        |                 |              |                      |                 |
| C715                  | XX ENTHALTEN IN                                    |                 |              |                      |                 |
| C716                  | INCLUDED IN                                        |                 |              |                      |                 |
| C716                  | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT    |                 |
| C717                  | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT    |                 |
| C718                  | CC 82PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR   | CC 1097.6363.00 | MURATA       | GRM39COG***F50ZPT    |                 |
| C719                  | CC 8,2PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4550.00 | MURATA       | GRM39COG***B50ZPT    |                 |
| C720                  | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |                 |
| C721                  | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |                 |
| C722                  | CC 0,5PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR     | CC 0010.7137.00 | AVX          | 0603 5J *** AAW TR   |                 |
| C723                  | CC 0,4PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR     | CC 0010.7120.00 | AVX          | 0603 5J *** AAW TR   |                 |
| C724                  | CC 1,0NF+-10%50V HDK 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4938.00 | MURATA       | GRM39X7R***K5C500PT* |                 |
| C725                  | XX ENTHALTEN IN                                    |                 |              |                      |                 |
| C726                  | INCLUDED IN                                        |                 |              |                      |                 |
| C726                  | XX ENTHALTEN IN                                    |                 |              |                      |                 |
| C727                  | INCLUDED IN                                        |                 |              |                      |                 |
| C727                  | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |                 |
| C728                  | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |                 |
| C729                  | CB 220PF 25V 0,2A 1205<br>EMI SUPPRESSION FILTER   | 1085.2245.00    | MURATA       | NFM40R11C221         |                 |
| C730                  | CB 220PF 25V 0,2A 1205<br>EMI SUPPRESSION FILTER   | 1085.2245.00    | MURATA       | NFM40R11C221         |                 |
| C731                  | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C500PT* |                 |
| C732                  | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C500PT* |                 |
| C733                  | CB 220PF 25V 0,2A 1205<br>EMI SUPPRESSION FILTER   | 1085.2245.00    | MURATA       | NFM40R11C221         |                 |
| C734                  | CC 0,2PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR     | CC 0010.7108.00 | AVX          | 0603 5J *** AAW TR   |                 |
| C735                  | CC 0,4PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR     | CC 0010.7120.00 | AVX          | 0603 5J *** AAW TR   |                 |
| C736                  | CC 0,4PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR     | CC 0010.7120.00 | AVX          | 0603 5J *** AAW TR   |                 |
| C737                  | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT    |                 |
| C738                  | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT    |                 |
| C739                  | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |                 |
| C740                  | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |                 |
| C741                  | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT    |                 |
| C742                  | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |                 |
| C743                  | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT    |                 |

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| Comp. No. | Designation                                        | Stock No.       | Manufacturer | Designation          |
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| C744      | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |
| C745      | CC 2,7PFO,1PF50V NPO 0603                          | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT    |
| ..747     | SMD-CERAMIC-CAPACITOR                              |                 |              |                      |
| C748      | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |
| C749      | CC 2,7PFO,1PF50V NPO 0603                          | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT    |
| ..752     | SMD-CERAMIC-CAPACITOR                              |                 |              |                      |
| C753      | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |              |                      |
| C754      | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT    |
| C755      | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |              |                      |
| C756      | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT    |
| C757      | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |              |                      |
| C758      | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT    |
| C759      | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT    |
| C760      | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |              |                      |
| C761      | CC 0,5PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR     | CC 0010.7137.00 | AVX          | 0603 5J *** AAW TR   |
| C762      | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |
| C763      | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT    |
| C764      | CC 10NF+-10% 50VHDK 0603                           | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C500PT* |
| ..768     | SMD-CERAMIC-CAPACITOR                              |                 |              |                      |
| C769      | CC 1,0PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.8304.00 | MURATA       | GRM39COG***B50ZPT    |
| C770      | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT    |
| C771      | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT    |
| C772      | CC 10P+-0,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4567.00 | MURATA       | GRM39COG***B50ZPT    |
| C773      | CC 1,0PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.8304.00 | MURATA       | GRM39COG***B50ZPT    |
| C774      | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT    |
| C775      | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT    |
| C776      | CC 10P+-0,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4567.00 | MURATA       | GRM39COG***B50ZPT    |
| C777      | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT    |
| ..782     | SMD-CERAMIC-CAPACITOR                              |                 |              |                      |
| C783      | CC 10P+-0,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4567.00 | MURATA       | GRM39COG***B50ZPT    |
| C784      | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |
| C785      | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT    |
| C786      | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT    |
| C787      | CC 10P+-0,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4567.00 | MURATA       | GRM39COG***B50ZPT    |
| C788      | CC 0,9PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR     | CC 0010.7172.00 | AVX          | 0603 5J *** AAW TR   |
| C789      | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT    |
| ..792     | SMD-CERAMIC-CAPACITOR                              |                 |              |                      |
| C793      | CC 0,3PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR     | CC 0010.7114.00 | AVX          | 0603 5J *** AAW TR   |
| C794      | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |              |                      |
| C795      | CC 0,3PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR     | CC 0010.7114.00 | AVX          | 0603 5J *** AAW TR   |
| C796      | CC 1,8PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4473.00 | MURATA       | GRM39COG***B50ZPT    |
| C797      | CC 0,7PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR     | CC 0010.7150.00 | AVX          | 0603 5J *** AAW TR   |
| C798      | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT    |
| C799      | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |              |                      |

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| <br><b>ROHDE &amp; SCHWARZ</b> | 14       | 22.09.99 | EE 6-GHZ-ERWEITERUNG<br>6GHZ EXTENSION | <b>1084.9600.01 SA</b>                | 15+                     |                   |

| Comp. No. | Designation                                          | Stock No.       | Manufacturer | Designation          |
|-----------|------------------------------------------------------|-----------------|--------------|----------------------|
| C800      | CC 1,0PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR   | CC 0009.8304.00 | MURATA       | GRM39COG***B50ZPT    |
| C801      | CC 0,7PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR       | CC 0010.7150.00 | AVX          | 0603 5J *** AAW TR   |
| C802      | CC 2,2PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR   | CC 0009.4467.00 | MURATA       | GRM39COG***B50ZPT    |
| C803      | CC 2,2PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR   | CC 0009.4467.00 | MURATA       | GRM39COG***B50ZPT    |
| C804      | XX ENTHALTEN IN<br>INCLUDED IN                       |                 |              |                      |
| C805      | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR   | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT    |
| C806      | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR   | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT    |
| C807      | CC 0,5PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR       | CC 0010.7137.00 | AVX          | 0603 5J *** AAW TR   |
| C808      | CC 0,3PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR       | CC 0010.7114.00 | AVX          | 0603 5J *** AAW TR   |
| C809      | CC 0,4PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR       | CC 0010.7120.00 | AVX          | 0603 5J *** AAW TR   |
| C810      | XX ENTHALTEN IN                                      |                 |              |                      |
| C811      | INCLUDED IN                                          |                 |              |                      |
| C814      | CC 0,1PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR       | CC 0010.7095.00 | AVX          | 0603 5J *** AAW TR   |
| C815      | CC 0,1PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR       | CC 0010.7095.00 | AVX          | 0603 5J *** AAW TR   |
| C816      | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C50OPT* |
| C817      | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C50OPT* |
| C818      | CC 0,8PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR       | CC 0010.7166.00 | AVX          | 0603 5J *** AAW TR   |
| C819      | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR   | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT    |
| C820      | CC 0,6PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR       | CC 0010.7143.00 | AVX          | 0603 5J *** AAW TR   |
| C821      | CC 1,0PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR   | CC 0009.8304.00 | MURATA       | GRM39COG***B50ZPT    |
| C822      | CC 0,9PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR       | CC 0010.7172.00 | AVX          | 0603 5J *** AAW TR   |
| C823      | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR   | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT    |
| C824      | XX ENTHALTEN IN<br>INCLUDED IN                       |                 |              |                      |
| C825      | CC 0,2PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR       | CC 0010.7108.00 | AVX          | 0603 5J *** AAW TR   |
| C826      | CC 56PF+-1% 50VNPO 0603<br>SMD CERAMIK CAPACITOR     | CC 1093.6417.00 | MURATA       | GRM39COG***F50ZPT    |
| C827      | XX ENTHALTEN IN                                      |                 |              |                      |
| C830      | INCLUDED IN                                          |                 |              |                      |
| C831      | CC 0,2PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR       | CC 0010.7108.00 | AVX          | 0603 5J *** AAW TR   |
| C832      | XX ENTHALTEN IN                                      |                 |              |                      |
| C837      | INCLUDED IN                                          |                 |              |                      |
| C838      | LD 2,2NH+-0,3NH 0,3A 0603<br>SMD-MULTILAYER INDUCTOR | LD 0009.6618.00 | TOKO         | LL1608-FH2N2S        |
| C839      | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR   | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT    |
| C840      | XX ENTHALTEN IN                                      |                 |              |                      |
| C841      | INCLUDED IN                                          |                 |              |                      |
| C842      | CC 1,8PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR   | CC 0009.4473.00 | MURATA       | GRM39COG***B50ZPT    |
| C843      | CC 1,8PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR   | CC 0009.4473.00 | MURATA       | GRM39COG***B50ZPT    |
| C844      | CC 18PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR     | CC 0048.3622.00 | MURATA       | GRM39COG***F50ZPT    |
| C845      | CC 0,7PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR       | CC 0010.7150.00 | AVX          | 0603 5J *** AAW TR   |
| C846      | CC 18PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR     | CC 0048.3622.00 | MURATA       | GRM39COG***F50ZPT    |
| C847      | CC 18PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR     | CC 0048.3622.00 | MURATA       | GRM39COG***F50ZPT    |
| C848      | CC 0,7PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR       |                 |              |                      |
| C849      | CC 18PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR     |                 |              |                      |
| C850      | CC 18PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR     |                 |              |                      |
| C851      | XX ENTHALTEN IN                                      |                 |              |                      |
| C852      | INCLUDED IN                                          |                 |              |                      |
| C853      | XX ENTHALTEN IN<br>INCLUDED IN                       |                 |              |                      |
|           | CC 18PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR     | CC 0048.3622.00 | MURATA       | GRM39COG***F50ZPT    |

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|  |          | 14 | 22.09.99      | EE 6-GHZ-ERWEITERUNG<br>6GHZ EXTENSION | <b>1084.9600.01 SA</b>  | 16+               |

| Comp. No. | Designation                                        | Stock No.       | Manufacturer | Designation          |
|-----------|----------------------------------------------------|-----------------|--------------|----------------------|
| C854      | CC 4,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4538.00 | MURATA       | GRM39COG***B50ZPT    |
| C855      | XX ENTHALTEN IN                                    |                 |              |                      |
| ..878     | INCLUDED IN                                        |                 |              |                      |
| C879      | CC 4,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4538.00 | MURATA       | GRM39COG***B50ZPT    |
| C880      | XX ENTHALTEN IN                                    |                 |              |                      |
|           | INCLUDED IN                                        |                 |              |                      |
| C884      | XX ENTHALTEN IN                                    |                 |              |                      |
| ..886     | INCLUDED IN                                        |                 |              |                      |
| C888      | XX ENTHALTEN IN                                    |                 |              |                      |
|           | INCLUDED IN                                        |                 |              |                      |
| C889      | XX ENTHALTEN IN                                    |                 |              |                      |
|           | INCLUDED IN                                        |                 |              |                      |
| C891      | XX ENTHALTEN IN                                    |                 |              |                      |
| ..895     | INCLUDED IN                                        |                 |              |                      |
| C897      | XX ENTHALTEN IN                                    |                 |              |                      |
| ..907     | INCLUDED IN                                        |                 |              |                      |
| C908      | CC 3,3NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR | CC 0048.5390.00 | MURATA       | GRM39X7R332K5C50OPT  |
| C909      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |
| ..912     |                                                    |                 |              |                      |
| C913      | CC 22PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR   | CC 0009.4609.00 | MURATA       | GRM39COG***F50ZPT    |
| C914      | CC 56PF+-1% 50VNPO 0603<br>SMD CERAMIK CAPACITOR   | CC 1093.6417.00 | MURATA       | GRM39COG***F50ZPT    |
| ..916     |                                                    |                 |              |                      |
| C917      | CC 1,0NF+-10%50V HDK 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4938.00 | MURATA       | GRM39X7R***K5C50OPT* |
| C918      | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |
| C919      | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |
| C922      | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT    |
| C924      | XX ENTHALTEN IN                                    |                 |              |                      |
|           | INCLUDED IN                                        |                 |              |                      |
| C925      | XX ENTHALTEN IN                                    |                 |              |                      |
|           | INCLUDED IN                                        |                 |              |                      |
| C926      | CC 4,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4538.00 | MURATA       | GRM39COG***B50ZPT    |
| C927      | CC 4,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4538.00 | MURATA       | GRM39COG***B50ZPT    |
| C928      | XX ENTHALTEN IN                                    |                 |              |                      |
|           | INCLUDED IN                                        |                 |              |                      |
| C929      | CC 0,7PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR     | CC 0010.7150.00 | AVX          | 0603 5J *** AAW TR   |
| C930      | CC 0,7PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR     | CC 0010.7150.00 | AVX          | 0603 5J *** AAW TR   |
| C931      | CC 3,3PF 0,1PF 50V NPO 06<br>SMD-CERAMIC-CAPACITOR | CC 0009.8285.00 | MURATA       | GRM39COG***B50ZPT    |
| C932      | CC 3,3PF 0,1PF 50V NPO 06<br>SMD-CERAMIC-CAPACITOR | CC 0009.8285.00 | MURATA       | GRM39COG***B50ZPT    |
| C934      | CC 0,4PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR     | CC 0010.7120.00 | AVX          | 0603 5J *** AAW TR   |
| ..939     |                                                    |                 |              |                      |
| C940      | CC 1,5PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4450.00 | MURATA       | GRM39COG***B50ZPT    |
| C944      | CC 56PF+-1% 50VNPO 0603<br>SMD CERAMIK CAPACITOR   | CC 1093.6417.00 | MURATA       | GRM39COG***F50ZPT    |
| C945      | CC 3,3PF 0,1PF 50V NPO 06<br>SMD-CERAMIC-CAPACITOR | CC 0009.8285.00 | MURATA       | GRM39COG***B50ZPT    |
| C946      | CC 0,1PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR     | CC 0010.7095.00 | AVX          | 0603 5J *** AAW TR   |
| C947      | CC 0,9PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR     | CC 0010.7172.00 | AVX          | 0603 5J *** AAW TR   |
| C948      | CC 0,4PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR     | CC 0010.7120.00 | AVX          | 0603 5J *** AAW TR   |
| C949      | CC 0,8PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR     | CC 0010.7166.00 | AVX          | 0603 5J *** AAW TR   |
| C950      | CC 1PF+-0,1PF50V COG0603<br>SMD-CERAMIC CAPACITOR  | CC 0008.2060.00 | AVX          | 0603 5J 1R0 BAW TR   |
| ..952     |                                                    |                 |              |                      |
| C953      | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |
| C954      | CC 0,8PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR     | CC 0010.7166.00 | AVX          | 0603 5J *** AAW TR   |
| ..957     |                                                    |                 |              |                      |
| C958      | CC 1,2PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4444.00 | MURATA       | GRM39COG***B50ZPT    |
| C959      | CC 0,8PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR     | CC 0010.7166.00 | AVX          | 0603 5J *** AAW TR   |

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| Comp. No. | Designation                                            | Stock No.       | Manufacturer     | Designation        |
|-----------|--------------------------------------------------------|-----------------|------------------|--------------------|
| C964      | CC 0,8PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR         | CC 0010.7166.00 | AVX              | 0603 5J *** AAW TR |
| C965      | CC 1PF+-0,1PF50V COG0603<br>SMD-CERAMIC CAPACITOR      | CC 0008.2060.00 | AVX              | 0603 5J 1R0 BAW TR |
| C966      | CC 1PF+-0,1PF50V COG0603<br>SMD-CERAMIC CAPACITOR      | CC 0008.2060.00 | AVX              | 0603 5J 1R0 BAW TR |
| C967      | RG 100R +-1% TK100 0603<br>SMD RESISTOR EIA0603        | RG 0009.5334.00 | PHILIPS_CO       | RC 22 H            |
| C968      | CC 1PF+-0,1PF50V COG0603<br>SMD-CERAMIC CAPACITOR      | CC 0008.2060.00 | AVX              | 0603 5J 1R0 BAW TR |
| C969      | CC 0,8PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR         | CC 0010.7166.00 | AVX              | 0603 5J *** AAW TR |
| C970      | XX ENTHALTEN IN                                        |                 |                  |                    |
| ..972     | INCLUDED IN                                            |                 |                  |                    |
| C973      | CC 2,2PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR     | CC 0009.4467.00 | MURATA           | GRM39COG***B50ZPT  |
| C974      | CC 10P+-0,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR     | CC 0009.4567.00 | MURATA           | GRM39COG***B50ZPT  |
| C975      | CC 0,2PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR         | CC 0010.7108.00 | AVX              | 0603 5J *** AAW TR |
| C976      | CC 0,3PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR         | CC 0010.7114.00 | AVX              | 0603 5J *** AAW TR |
| C977      | XX ENTHALTEN IN                                        |                 |                  |                    |
| ..979     | INCLUDED IN                                            |                 |                  |                    |
| C982      | CC 2,2PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR     | CC 0009.4467.00 | MURATA           | GRM39COG***B50ZPT  |
| C983      | CC 2,2PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR     | CC 0009.4467.00 | MURATA           | GRM39COG***B50ZPT  |
| C984      | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR     | CC 0009.8291.00 | MURATA           | GRM39COG***B50ZPT  |
| C985      | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR     | CC 0009.8291.00 | MURATA           | GRM39COG***B50ZPT  |
| D1        | BS DG419DY 1XUM ANALOGSCH<br>ANALOG SWITCH             | 0746.0322.00    | SILICONIX        | DG419DY            |
| D2        | BJ DAC8143FS 1X12B-DAC<br>12B SERIAL D/A-CONVERTER     | 1012.9510.00    | PMI              | DAC8143FS          |
| D3        | BJ DAC8143FS 1X12B-DAC<br>12B SERIAL D/A-CONVERTER     | 1012.9510.00    | PMI              | DAC8143FS          |
| D4        | BS DG419DY 1XUM ANALOGSCH<br>ANALOG SWITCH             | 0746.0322.00    | SILICONIX        | DG419DY            |
| D5        | BS DG419DY 1XUM ANALOGSCH<br>ANALOG SWITCH             | 0746.0322.00    | SILICONIX        | DG419DY            |
| D6        | BL PC74HC4094T 8ST.BUSREG<br>8-STAGE SHIFT&STORE REG.  | 0804.0977.00    | PHILIPS_SE (PC)  | 74HC4094(D/T)      |
| D7        | BL PC74HC86T 4X2IN EXOR<br>QUAD 2INPUT EXOR GATE       | BL 0007.3511.00 | PHILIPS_SE (PC)  | 74HC86(D/T)        |
| D8        | BS DG413DY 2A2R ANALOGSCH<br>QUAD ANALOG CMOS.SWITCH   | 1004.7058.00    | SILICONIX        | DG413DY            |
| D9        | BS DG413DY 2A2R ANALOGSCH<br>QUAD ANALOG CMOS.SWITCH   | 1004.7058.00    | SILICONIX        | DG413DY            |
| D10       | BL PC74HCT125T 4XBUFF. 3S<br>QUAD LINE DRIVER          | BL 0007.5395.00 | PHILIPS_SE (PC)  | 74HCT125(D/T)      |
| D11       | BL PC74HCT125T 4XBUFF. 3S<br>QUAD LINE DRIVER          | BL 0007.5395.00 | PHILIPS_SE (PC)  | 74HCT125(D/T)      |
| D12       | BL PC74HCT132T 4X2IN SCHM<br>NAND SCHMITT TRIGGER      | BL 0007.6340.00 | PHILIPS (PC)     | 74HCT132(D/T)      |
| D13       | BL PC74HC4094T 8ST.BUSREG<br>8-STAGE SHIFT&STORE REG.  | 0804.0977.00    | PHILIPS_SE (PC)  | 74HC4094(D/T)      |
| D14       | BL PC74HC4094T 8ST.BUSREG<br>8-STAGE SHIFT&STORE REG.  | 0804.0977.00    | PHILIPS_SE (PC)  | 74HC4094(D/T)      |
| D15       | BL 74ACT86SC 4X 2IN-EXOR<br>QUAD 2-INPUT EXOR GATE     | BL 2005.4307.00 | HARRIS (CD74)    | ACT86(M)           |
| D16       | BL PC74HC4094T 8ST.BUSREG<br>8-STAGE SHIFT&STORE REG.  | 0804.0977.00    | PHILIPS_SE (PC)  | 74HC4094(D/T)      |
| D17       | BS DG419DY 1XUM ANALOGSCH<br>ANALOG SWITCH             | 0746.0322.00    | SILICONIX        | DG419DY            |
| D19       | BJ LTC1446L 2X12-DAC<br>12B SERIAL D/A-CONVERTER       | 1085.2200.00    | LINEAR_TEC (LTC) | 1446LI(S8)         |
| D20       | BL PC74HCT00T 4X2IN.NAND<br>NAND GATE                  | BL 0007.6156.00 | PHILIPS_SE (PC)  | 74HCT00D(T)        |
| D21       | BJ LTC1446L 2X12-DAC<br>12B SERIAL D/A-CONVERTER       | 1085.2200.00    | LINEAR_TEC (LTC) | 1446LI(S8)         |
| D22       | BS DG411DY 4X ANALOGSCH<br>ANALOG SWITCH               | 0920.1723.00    | SILICONIX        | DG411DY            |
| ..24      |                                                        |                 |                  |                    |
| D25       | BL PC74HC4051T 8CH.AN.MUX<br>8CHANNEL ANAL.MULTIPLEXER | 0007.3592.00    | PHILIPS_SE (PC)  | 74HC4051(D/T)      |

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| <br><b>ROHDE &amp; SCHWARZ</b> | 14       | 22.09.99 | EE 6-GHZ-ERWEITERUNG<br>6GHZ EXTENSION | <b>1084.9600.01 SA</b>                | 18+                     |                   |

| Comp. No. | Designation                                            | Stock No.       | Manufacturer | Description          |
|-----------|--------------------------------------------------------|-----------------|--------------|----------------------|
| D27       | BL PC74HC4051T 8CH.AN.MUX<br>8CHANNEL ANAL.MULTIPLEXER | 0007.3592.00    | PHILIPS_SE   | (PC)74HC4051(D/T)    |
| D28       | BL PC74HC08T 4X2IN.ANDG<br>QUAD 2INPUT AND GATE        | 0007.3486.00    | PHILIPS_SE   | (PC)74HC08(D/T)      |
| D29       | BC X24164S8 2KX8 EEPROM<br>IC MEMORY                   | 2013.8937.00    | ATMEL        | AT24C164-10SC-2.7    |
| D30       | BG TH3032.1C SERBUSD ASIC<br>IC GATE ARRAY             | 0008.6143.00    | THESYS       | TH3032.1C            |
| D31       | BS DG411DY 4X ANALOGSCH<br>ANALOG SWITCH               | 0920.1723.00    | SILICONIX    | DG411DY              |
| L1        | LD 2,7NH+-0,3NH 0,3A 0603<br>SMD-MULTILAYER INDUCTOR   | LD 0009.6624.00 | TOKO         | LL1608-FH2N7S        |
| L2        | XX ENTHALTEN IN<br>INCLUDED IN                         |                 |              |                      |
| L3        | LD 2,7NH+-0,3NH 0,3A 0603<br>SMD-MULTILAYER INDUCTOR   | LD 0009.6624.00 | TOKO         | LL1608-FH2N7S        |
| L4        | LD 2,7NH+-0,3NH 0,3A 0603<br>SMD-MULTILAYER INDUCTOR   | LD 0009.6624.00 | TOKO         | LL1608-FH2N7S        |
| L5        | LD 4,7NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR     | LD 0009.6653.00 | TOKO         | LL1608-FH...K(J)     |
| L6        | LD 2,7NH+-0,3NH 0,3A 0603<br>SMD-MULTILAYER INDUCTOR   | LD 0009.6624.00 | TOKO         | LL1608-FH2N7S        |
| L7        | LD 3,3NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR     | LD 0009.6630.00 | TOKO         | LL1608-FH...K(J)     |
| L8        | LD 5,6NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR     | LD 0009.6660.00 | TOKO         | LL1608-FH...K(J)     |
| L9        | LD 5,6NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR     | LD 0009.6660.00 | TOKO         | LL1608-FH...K(J)     |
| L10       | LD 6,8NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR     | LD 0009.6676.00 | TOKO         | LL1608-FH...K(J)     |
| L11       | LD 5,6NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR     | LD 0009.6660.00 | TOKO         | LL1608-FH...K(J)     |
| ..13      | XX ENTHALTEN IN<br>INCLUDED IN                         |                 |              |                      |
| L14       | LD 2,7NH+-0,3NH 0,3A 0603<br>SMD-MULTILAYER INDUCTOR   | LD 0009.6624.00 | TOKO         | LL1608-FH2N7S        |
| L15       | LD 2,7NH+-0,3NH 0,3A 0603<br>SMD-MULTILAYER INDUCTOR   | LD 0009.6624.00 | TOKO         | LL1608-FH2N7S        |
| L16       | LD 1,5NH+-0,3NH 0,3A 0603<br>SMD-MULTILAYER INDUCTOR   | LD 0009.6599.00 | TOKO         | LL1608-FH1N5S        |
| L17       | LD 2,7NH+-0,3NH 0,3A 0603<br>SMD-MULTILAYER INDUCTOR   | LD 0009.6624.00 | TOKO         | LL1608-FH2N7S        |
| L18       | LD 6,8NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR     | LD 0009.6676.00 | TOKO         | LL1608-FH...K(J)     |
| L19       | LD 2,7NH+-0,3NH 0,3A 0603<br>SMD-MULTILAYER INDUCTOR   | LD 0009.6624.00 | TOKO         | LL1608-FH2N7S        |
| L20       | LD 2,2NH+-0,3NH 0,3A 0603<br>SMD-MULTILAYER INDUCTOR   | LD 0009.6618.00 | TOKO         | LL1608-FH2N2S        |
| L21       | LD 3,3NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR     | LD 0009.6630.00 | TOKO         | LL1608-FH...K(J)     |
| L22       | LD 1uH 10% 0,38A 1210<br>RF CHOKE                      | LD 6006.0130.00 | SIEMENS      | B82422-A1102-J(K)100 |
| L23       | LD 3,3NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR     | LD 0009.6630.00 | TOKO         | LL1608-FH...K(J)     |
| L24       | LD 3,3NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR     | LD 0009.6630.00 | TOKO         | LL1608-FH...K(J)     |
| L25       | LD 1uH 10% 0,38A 1210<br>RF CHOKE                      | LD 6006.0130.00 | SIEMENS      | B82422-A1102-J(K)100 |
| L26       | LD 56NH+-10% 0,3A 0805<br>SMD-MULTILAYER INDUCTOR      | LD 0009.6830.00 | TOKO         | LL2012-FH56NK(J)     |
| L27       | LD 82NH+-10% 0,3A 0805<br>SMD-MULTILAYER INDUCTOR      | LD 0009.6853.00 | TOKO         | LL2012-FH47NK(J)     |
| L28       | LD 82NH+-10% 0,3A 0805<br>SMD-MULTILAYER INDUCTOR      | LD 0009.6853.00 | TOKO         | LL2012-FH47NK(J)     |
| L29       | LD 2,2NH+-0,3NH 0,3A 0603<br>SMD-MULTILAYER INDUCTOR   | LD 0009.6618.00 | TOKO         | LL1608-FH2N2S        |
| L30       | LD 2,2NH+-0,3NH 0,3A 0603<br>SMD-MULTILAYER INDUCTOR   | LD 0009.6618.00 | TOKO         | LL1608-FH2N2S        |
| L31       | LD 4,7NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR     | LD 0009.6653.00 | TOKO         | LL1608-FH...K(J)     |
| L32       | LD 6,8NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR     | LD 0009.6676.00 | TOKO         | LL1608-FH...K(J)     |
| L33       | LD 4,7NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR     | LD 0009.6653.00 | TOKO         | LL1608-FH...K(J)     |
| L34       | LD 4,7NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR     | LD 0009.6653.00 | TOKO         | LL1608-FH...K(J)     |
| L35       | LD 4,7NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR     | LD 0009.6653.00 | TOKO         | LL1608-FH...K(J)     |
| L36       | LD 4,7NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR     | LD 0009.6653.00 | TOKO         | LL1608-FH...K(J)     |
| L37       | LD 4,7NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR     | LD 0009.6653.00 | TOKO         | LL1608-FH...K(J)     |

| 1GPK                                                                                                              | 877 3PLU | Äl       | Datum<br>Date                          | Schaltteilliste für<br>Parts list for | Sachnummer<br>Stock No. | Blatt-Nr.<br>Page |
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| <br><b>ROHDE &amp; SCHWARZ</b> | 14       | 22.09.99 | EE 6-GHZ-ERWEITERUNG<br>6GHZ EXTENSION | <b>1084.9600.01 SA</b>                | 19+                     |                   |

| Comp. No. | Designation                                          | Stock No.       | Manufacturer | Designation          |
|-----------|------------------------------------------------------|-----------------|--------------|----------------------|
| L38       | LD 5,6NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR   | LD 0009.6660.00 | TOKO         | LL1608-FH...K(J)     |
| L39       | LD 5,6NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR   | LD 0009.6660.00 | TOKO         | LL1608-FH...K(J)     |
| L40       | LD 4,7NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR   | LD 0009.6653.00 | TOKO         | LL1608-FH...K(J)     |
| L41       | LD 4,7NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR   | LD 0009.6653.00 | TOKO         | LL1608-FH...K(J)     |
| L42       | LD 2,2NH+-0,3NH 0,3A 0603<br>SMD-MULTILAYER INDUCTOR | LD 0009.6618.00 | TOKO         | LL1608-FH2N2S        |
| L43       | LD 2,2NH+-0,3NH 0,3A 0603<br>SMD-MULTILAYER INDUCTOR | LD 0009.6618.00 | TOKO         | LL1608-FH2N2S        |
| L44       | LD 4,7NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR   | LD 0009.6653.00 | TOKO         | LL1608-FH...K(J)     |
| L45       | LD 2,2NH+-0,3NH 0,3A 0603<br>SMD-MULTILAYER INDUCTOR | LD 0009.6618.00 | TOKO         | LL1608-FH2N2S        |
| L46       | LD 4,7NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR   | LD 0009.6653.00 | TOKO         | LL1608-FH...K(J)     |
| L47       | LD 2,2NH+-0,3NH 0,3A 0603<br>SMD-MULTILAYER INDUCTOR | LD 0009.6618.00 | TOKO         | LL1608-FH2N2S        |
| L48       | LD 4,7NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR   | LD 0009.6653.00 | TOKO         | LL1608-FH...K(J)     |
| L49       | LD 5,6NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR   | LD 0009.6660.00 | TOKO         | LL1608-FH...K(J)     |
| L50       | LD 3,3NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR   | LD 0009.6630.00 | TOKO         | LL1608-FH...K(J)     |
| L51       | LD 5,6NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR   | LD 0009.6660.00 | TOKO         | LL1608-FH...K(J)     |
| L52       | LD SP-DROSSEL 47UH 1,5A<br>CHOKE                     | 1081.0331.00    | SUMIDA       | CDR125-470           |
| L55       | LD 1UH 10% 0,38A 1210<br>RF CHOKE                    | LD 6006.0130.00 | SIEMENS      | B82422-A1102-J(K)100 |
| L56       | LD 1UH 10% 0,38A 1210<br>RF CHOKE                    | LD 6006.0130.00 | SIEMENS      | B82422-A1102-J(K)100 |
| L57       | LD 6,8NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR   | LD 0009.6676.00 | TOKO         | LL1608-FH...K(J)     |
| L58       | LD 6,8NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR   | LD 0009.6676.00 | TOKO         | LL1608-FH...K(J)     |
| L59       | LD 15NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR    | LD 0009.6718.00 | TOKO         | LL1608-FH...K(J)     |
| L60       | LD 56NH +-10% 0,3A 0805<br>SMD-MULTILAYER INDUCTOR   | LD 0009.6830.00 | TOKO         | LL2012-FH56NK(J)     |
| L61       | LD 56NH +-10% 0,3A 0805<br>SMD-MULTILAYER INDUCTOR   | LD 0009.6830.00 | TOKO         | LL2012-FH56NK(J)     |
| L62       | LD 6,8NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR   | LD 0009.6676.00 | TOKO         | LL1608-FH...K(J)     |
| L63       | LD 15NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR    | LD 0009.6718.00 | TOKO         | LL1608-FH...K(J)     |
| L64       | LD 10NH 10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR     | LD 0009.6699.00 | TOKO         | LL1608-FH...K(J)     |
| L65       | LD 1UH 10% 0,38A 1210<br>RF CHOKE                    | LD 6006.0130.00 | SIEMENS      | B82422-A1102-J(K)100 |
| L68       | XX ENTHALTEN IN<br>INCLUDED IN                       |                 |              |                      |
| L69       | LD 3,9NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR   | LD 0009.6647.00 | TOKO         | LL1608-FH...K(J)     |
| L70       | LD 4,7NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR   | LD 0009.6653.00 | TOKO         | LL1608-FH...K(J)     |
| L71       | LD 1UH 10% 0,38A 1210<br>RF CHOKE                    | LD 6006.0130.00 | SIEMENS      | B82422-A1102-J(K)100 |
| L72       | LD 1UH 10% 0,38A 1210<br>RF CHOKE                    | LD 6006.0130.00 | SIEMENS      | B82422-A1102-J(K)100 |
| L73       | XX ENTHALTEN IN<br>INCLUDED IN                       |                 |              |                      |
| L74       | LD 1UH 10% 0,38A 1210<br>RF CHOKE                    | LD 6006.0130.00 | SIEMENS      | B82422-A1102-J(K)100 |
| L80       | LD 22NH 10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR     | LD 0009.6730.00 | TOKO         | LL1608-FH...K(J)     |
| L81       | XX ENTHALTEN IN<br>INCLUDED IN                       |                 |              |                      |
| L82       | LD 82NH +-10% 0,3A 0805<br>SMD-MULTILAYER INDUCTOR   | LD 0009.6853.00 | TOKO         | LL2012-FH47NK(J)     |
| L83       | LD 1UH 10% 0,38A 1210<br>RF CHOKE                    | LD 6006.0130.00 | SIEMENS      | B82422-A1102-J(K)100 |
| L89       | XX ENTHALTEN IN<br>INCLUDED IN                       |                 |              |                      |
| L90       | LD 1UH 10% 0,38A 1210<br>RF CHOKE                    | LD 6006.0130.00 | SIEMENS      | B82422-A1102-J(K)100 |

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| <br><b>ROHDE &amp; SCHWARZ</b> | 14       | 22.09.99 | EE 6-GHZ-ERWEITERUNG<br>6GHZ EXTENSION | <b>1084.9600.01 SA</b>                | 20+                     |                   |

| Comp. No. | Designation                                            | Stock No.       | Manufacturer | Designation          | contained in |
|-----------|--------------------------------------------------------|-----------------|--------------|----------------------|--------------|
| L95       | LD 22NH 10% 0,60A 1210<br>RF CHOKE                     | 1002.4897.00    | SIEMENS      | B82422-A3220-J(K)100 |              |
| L96       | LD 1UH 10% 0,38A 1210<br>RF CHOKE                      | LD 6006.0130.00 | SIEMENS      | B82422-A1102-J(K)100 |              |
| L97       | LD 10NH 10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR       | LD 0009.6699.00 | TOKO         | LL1608-FH...K(J)     |              |
| L98       | LD 56NH +-10% 0,3A 0805<br>SMD-MULTILAYER INDUCTOR     | LD 0009.6830.00 | TOKO         | LL2012-FH56NK(J)     |              |
| L99       | LD 3,9NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR     | LD 0009.6647.00 | TOKO         | LL1608-FH...K(J)     |              |
| L100      | XX ENTHALTEN IN<br>INCLUDED IN                         |                 |              |                      |              |
| L101      | LD 22NH 10% 0,60A 1210<br>RF CHOKE                     | 1002.4897.00    | SIEMENS      | B82422-A3220-J(K)100 |              |
| L102      | LD 22NH 10% 0,60A 1210<br>RF CHOKE                     | 1002.4897.00    | SIEMENS      | B82422-A3220-J(K)100 |              |
| L103      | LD 2,7NH+-0,3NH 0,3A 0603<br>SMD-MULTILAYER INDUCTOR   | LD 0009.6624.00 | TOKO         | LL1608-FH2N7S        |              |
| L104      | XX ENTHALTEN IN<br>INCLUDED IN                         |                 |              |                      |              |
| ..108     | LD 10NH 10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR       | LD 0009.6699.00 | TOKO         | LL1608-FH...K(J)     |              |
| L109      | LD 1UH 10% 0,38A 1210<br>RF CHOKE                      | LD 6006.0130.00 | SIEMENS      | B82422-A1102-J(K)100 |              |
| L110      | LD 1UH 10% 0,38A 1210<br>RF CHOKE                      | LD 6006.0130.00 | SIEMENS      | B82422-A1102-J(K)100 |              |
| L111      | LD 22NH 10% 0,60A 1210<br>RF CHOKE                     | 1002.4897.00    | SIEMENS      | B82422-A3220-J(K)100 |              |
| L112      | LD 4,7NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR     | LD 0009.6653.00 | TOKO         | LL1608-FH...K(J)     |              |
| ..116     | XX ENTHALTEN IN<br>INCLUDED IN                         |                 |              |                      |              |
| L117      | LD 2,2NH+-0,3NH 0,3A 0603<br>SMD-MULTILAYER INDUCTOR   | LD 0009.6618.00 | TOKO         | LL1608-FH2N2S        |              |
| L118      | LD 10NH 10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR       | LD 0009.6699.00 | TOKO         | LL1608-FH...K(J)     |              |
| ..124     | LD 10NH 10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR       | LD 0009.6699.00 | TOKO         | LL1608-FH...K(J)     |              |
| L125      | LD 10NH 10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR       | LD 0009.6699.00 | TOKO         | LL1608-FH...K(J)     |              |
| ..127     | XX ENTHALTEN IN<br>INCLUDED IN                         |                 |              |                      |              |
| L128      | LD 1D1,8NH+-0,3NH 0,3A 0603<br>SMD-MULTILAYER INDUCTOR | LD 0009.6601.00 | TOKO         | LL1608-FH1N8S        |              |
| L129      | LD 3,3NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR     | LD 0009.6630.00 | TOKO         | LL1608-FH...K(J)     |              |
| L130      | XX ENTHALTEN IN<br>INCLUDED IN                         |                 |              |                      |              |
| L131      | LD 10NH 10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR       | LD 0009.6699.00 | TOKO         | LL1608-FH...K(J)     |              |
| L132      | XX ENTHALTEN IN<br>INCLUDED IN                         |                 |              |                      |              |
| ..161     | LD 1D1,8NH+-0,3NH 0,3A 0603<br>SMD-MULTILAYER INDUCTOR | LD 0009.6601.00 | TOKO         | LL1608-FH1N8S        |              |
| L162      | LD 3,3NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR     | LD 0009.6630.00 | TOKO         | LL1608-FH...K(J)     |              |
| L163      | XX ENTHALTEN IN<br>INCLUDED IN                         |                 |              |                      |              |
| L164      | LD 2,7NH+-0,3NH 0,3A 0603<br>SMD-MULTILAYER INDUCTOR   | LD 0009.6624.00 | TOKO         | LL1608-FH2N7S        |              |
| ..198     | XX ENTHALTEN IN<br>INCLUDED IN                         |                 |              |                      |              |
| L199      | LD 5,6NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR     | LD 0009.6660.00 | TOKO         | LL1608-FH...K(J)     |              |
| L200      | LD 3,9NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR     | LD 0009.6647.00 | TOKO         | LL1608-FH...K(J)     |              |
| L201      | XX ENTHALTEN IN<br>INCLUDED IN                         |                 |              |                      |              |
| L202      | LD 5,6NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR     | LD 0009.6660.00 | TOKO         | LL1608-FH...K(J)     |              |
| L203      | XX ENTHALTEN IN<br>INCLUDED IN                         |                 |              |                      |              |
| ..226     | LD 5,6NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR     | LD 0009.6660.00 | TOKO         | LL1608-FH...K(J)     |              |
| L227      | XX ENTHALTEN IN<br>INCLUDED IN                         |                 |              |                      |              |
| L228      | LD 5,6NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR     | LD 0009.6660.00 | TOKO         | LL1608-FH...K(J)     |              |
| ..232     | XX ENTHALTEN IN<br>INCLUDED IN                         |                 |              |                      |              |
| L233      | LD 10NH 10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR       | LD 0009.6699.00 | TOKO         | LL1608-FH...K(J)     |              |
| L234      | XX ENTHALTEN IN<br>INCLUDED IN                         |                 |              |                      |              |
| ..259     | LD 12NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR      | LD 0009.6701.00 | TOKO         | LL1608-FH...K(J)     |              |
| L260      | XX ENTHALTEN IN<br>INCLUDED IN                         |                 |              |                      |              |
| L261      | LD 10NH 10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR       | LD 0009.6699.00 | TOKO         | LL1608-FH...K(J)     |              |
| ..264     | XX ENTHALTEN IN<br>INCLUDED IN                         |                 |              |                      |              |
| L265      | LD 12NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR      | LD 0009.6701.00 | TOKO         | LL1608-FH...K(J)     |              |
| L266      | XX ENTHALTEN IN<br>INCLUDED IN                         |                 |              |                      |              |
| ..279     | LD 10NH 10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR       | LD 0009.6699.00 | TOKO         | LL1608-FH...K(J)     |              |
| L280      |                                                        |                 |              |                      |              |

|                                                                                                                   |     |      |    |               |                                        |                         |                   |
|-------------------------------------------------------------------------------------------------------------------|-----|------|----|---------------|----------------------------------------|-------------------------|-------------------|
| 1GPK                                                                                                              | 877 | 3PLU | Äi | Datum<br>Date | Schaltteilliste für<br>Parts list for  | Sachnummer<br>Stock No. | Blatt-Nr.<br>Page |
| <br><b>ROHDE &amp; SCHWARZ</b> |     |      | 14 | 22.09.99      | EE 6-GHZ-ERWEITERUNG<br>6GHZ EXTENSION | <b>1084.9600.01 SA</b>  | 21+               |

| Comp. No. | Designation                                        | Stock No.       | Manufacturer | Designation          | contained in |
|-----------|----------------------------------------------------|-----------------|--------------|----------------------|--------------|
| L281      | LD 5,6NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR | LD 0009.6660.00 | TOKO         | LL1608-FH...K(J)     |              |
| L282      | LD 4,7NH+-10% 0,3A 0603                            | LD 0009.6653.00 | TOKO         | LL1608-FH...K(J)     |              |
| ..284     | SMD-MULTILAYER INDUCTOR                            |                 |              |                      |              |
| L285      | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |              |                      |              |
| L286      | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |              |                      |              |
| L287      | LD 1D1,8NH+-0,3NH0,3A0603                          | LD 0009.6601.00 | TOKO         | LL1608-FH1N8S        |              |
| ..292     | SMD-MULTILAYER INDUCTOR                            |                 |              |                      |              |
| L293      | LD 3,3NH+-10% 0,3A 0603                            | LD 0009.6630.00 | TOKO         | LL1608-FH...K(J)     |              |
| L294      | SMD-MULTILAYER INDUCTOR                            |                 |              |                      |              |
| ..297     | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |              |                      |              |
| L298      | LD 1D1,8NH+-0,3NH0,3A0603                          | LD 0009.6601.00 | TOKO         | LL1608-FH1N8S        |              |
| L299      | SMD-MULTILAYER INDUCTOR                            |                 |              |                      |              |
|           | RG 0-OHM WIDERSTAND 0603                           | 0009.9369.00    | PHILIPS_CO   | RC21 0 OHM           |              |
| L300      | SMD RESISTOR EIA0603                               |                 |              |                      |              |
|           | LD 2,7NH+-0,3NH 0,3A 0603                          | LD 0009.6624.00 | TOKO         | LL1608-FH2N7S        |              |
| L301      | SMD-MULTILAYER INDUCTOR                            |                 |              |                      |              |
|           | LD 10NH 10% 0,3A 0603                              | LD 0009.6699.00 | TOKO         | LL1608-FH...K(J)     |              |
| L302      | SMD-MULTILAYER INDUCTOR                            |                 |              |                      |              |
|           | LD 3,9NH+-10% 0,3A 0603                            | LD 0009.6647.00 | TOKO         | LL1608-FH...K(J)     |              |
| L303      | SMD-MULTILAYER INDUCTOR                            |                 |              |                      |              |
|           | LD 2,7NH+-0,3NH 0,3A 0603                          | LD 0009.6624.00 | TOKO         | LL1608-FH2N7S        |              |
| L304      | SMD-MULTILAYER INDUCTOR                            |                 |              |                      |              |
|           | LD 2,7NH+-0,3NH 0,3A 0603                          | LD 0009.6624.00 | TOKO         | LL1608-FH2N7S        |              |
| L305      | SMD-MULTILAYER INDUCTOR                            |                 |              |                      |              |
|           | LD 39NH +-10% 0,3A 0603                            | LD 0009.6760.00 | TOKO         | LL1608-FH...K(J)     |              |
| L306      | SMD-MULTILAYER INDUCTOR                            |                 |              |                      |              |
|           | LD 39NH +-10% 0,3A 0603                            | LD 0009.6760.00 | TOKO         | LL1608-FH...K(J)     |              |
| L307      | SMD-MULTILAYER INDUCTOR                            |                 |              |                      |              |
|           | LD 3,3NH+-10% 0,3A 0603                            | LD 0009.6630.00 | TOKO         | LL1608-FH...K(J)     |              |
| L308      | SMD-MULTILAYER INDUCTOR                            |                 |              |                      |              |
|           | LD 3,3NH+-10% 0,3A 0603                            | LD 0009.6630.00 | TOKO         | LL1608-FH...K(J)     |              |
| L309      | SMD-MULTILAYER INDUCTOR                            |                 |              |                      |              |
|           | LD 10NH 10% 0,3A 0603                              | LD 0009.6699.00 | TOKO         | LL1608-FH...K(J)     |              |
| L310      | SMD-MULTILAYER INDUCTOR                            |                 |              |                      |              |
|           | LD 56NH +-10% 0,3A 0805                            | LD 0009.6830.00 | TOKO         | LL2012-FH56NK(J)     |              |
| L311      | SMD-MULTILAYER INDUCTOR                            |                 |              |                      |              |
|           | LD 56NH +-10% 0,3A 0805                            | LD 0009.6830.00 | TOKO         | LL2012-FH56NK(J)     |              |
| L315      | SMD-MULTILAYER INDUCTOR                            |                 |              |                      |              |
| ..320     | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |              |                      |              |
| L323      | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |              |                      |              |
| L324      | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |              |                      |              |
| L325      | LD 12NH+-10% 0,3A 0603                             | LD 0009.6701.00 | TOKO         | LL1608-FH...K(J)     |              |
| L326      | SMD-MULTILAYER INDUCTOR                            |                 |              |                      |              |
|           | LD 2,7NH+-0,3NH 0,3A 0603                          | LD 0009.6624.00 | TOKO         | LL1608-FH2N7S        |              |
| L327      | SMD-MULTILAYER INDUCTOR                            |                 |              |                      |              |
|           | LD 10NH 10% 0,3A 0603                              | LD 0009.6699.00 | TOKO         | LL1608-FH...K(J)     |              |
| L328      | SMD-MULTILAYER INDUCTOR                            |                 |              |                      |              |
|           | LD 3,3NH+-10% 0,3A 0603                            | LD 0009.6630.00 | TOKO         | LL1608-FH...K(J)     |              |
| L330      | SMD-MULTILAYER INDUCTOR                            |                 |              |                      |              |
|           | LD 3,3NH+-10% 0,3A 0603                            | LD 0009.6630.00 | TOKO         | LL1608-FH...K(J)     |              |
| L331      | SMD-MULTILAYER INDUCTOR                            |                 |              |                      |              |
|           | LD 3,3NH+-10% 0,3A 0603                            | LD 0009.6630.00 | TOKO         | LL1608-FH...K(J)     |              |
| L332      | SMD-MULTILAYER INDUCTOR                            |                 |              |                      |              |
|           | LD 56NH +-10% 0,3A 0805                            | LD 0009.6830.00 | TOKO         | LL2012-FH56NK(J)     |              |
| L333      | SMD-MULTILAYER INDUCTOR                            |                 |              |                      |              |
|           | LD 82NH +-10% 0,3A 0805                            | LD 0009.6853.00 | TOKO         | LL2012-FH47NK(J)     |              |
| L334      | SMD-MULTILAYER INDUCTOR                            |                 |              |                      |              |
|           | LD 10NH 10% 0,3A 0603                              | LD 0009.6699.00 | TOKO         | LL1608-FH...K(J)     |              |
| L335      | SMD-MULTILAYER INDUCTOR                            |                 |              |                      |              |
|           | LD 12NH+-10% 0,3A 0603                             | LD 0009.6701.00 | TOKO         | LL1608-FH...K(J)     |              |
| L336      | SMD-MULTILAYER INDUCTOR                            |                 |              |                      |              |
|           | LD 8,2NH+-10% 0,3A 0603                            | LD 0009.6682.00 | TOKO         | LL1608-FH...K(J)     |              |
| L337      | SMD-MULTILAYER INDUCTOR                            |                 |              |                      |              |
|           | LD 6,8NH+-10% 0,3A 0603                            | LD 0009.6676.00 | TOKO         | LL1608-FH...K(J)     |              |
| L338      | SMD-MULTILAYER INDUCTOR                            |                 |              |                      |              |
|           | LD 10UH 10% 0,18A 1210                             | LD 0007.9255.00 | SIEMENS      | B82422-A1103-J(K)100 |              |
| L339      | RF CHOKE                                           |                 |              |                      |              |
|           | LD 10NH 10% 0,3A 0603                              | LD 0009.6699.00 | TOKO         | LL1608-FH...K(J)     |              |
| L340      | SMD-MULTILAYER INDUCTOR                            |                 |              |                      |              |
| ..343     | LD 10UH 10% 0,18A 1210                             | LD 0007.9255.00 | SIEMENS      | B82422-A1103-J(K)100 |              |
|           | RF CHOKE                                           |                 |              |                      |              |

| 1GPK                                                                                                              | 877 3PLU | Äl       | Datum<br>Date                          | Schaltteilliste für<br>Parts list for | Sachnummer<br>Stock No. | Blatt-Nr.<br>Page |
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| <br><b>ROHDE &amp; SCHWARZ</b> | 14       | 22.09.99 | EE 6-GHZ-ERWEITERUNG<br>6GHZ EXTENSION | <b>1084.9600.01 SA</b>                | 22+                     |                   |

|       |                                                    |                 |         |                      |
|-------|----------------------------------------------------|-----------------|---------|----------------------|
| L344  | LD 18NH 10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR   | LD 0009.6724.00 | TOKO    | LL1608-FH...K(J)     |
| L345  | LD 18NH 10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR   | LD 0009.6724.00 | TOKO    | LL1608-FH...K(J)     |
| L346  | LD 220NH 10% 0,28A 1210<br>RF CHOKE                | LD 0520.7911.00 | SIEMENS | B82422-A3221-J(K)100 |
| L347  | LD 10NH 10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR   | LD 0009.6699.00 | TOKO    | LL1608-FH...K(J)     |
| L348  | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |         |                      |
| L349  | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |         |                      |
| L350  | LD 39NH +-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR | LD 0009.6760.00 | TOKO    | LL1608-FH...K(J)     |
| L351  | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |         |                      |
| L352  | LD 3,3NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR | LD 0009.6630.00 | TOKO    | LL1608-FH...K(J)     |
| L353  | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |         |                      |
| L354  | LD 22NH 10% 0,60A 1210<br>RF CHOKE                 | 1002.4897.00    | SIEMENS | B82422-A3220-J(K)100 |
| L355  | LD 22NH 10% 0,60A 1210<br>RF CHOKE                 | 1002.4897.00    | SIEMENS | B82422-A3220-J(K)100 |
| L356  | LD 10NH 10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR   | LD 0009.6699.00 | TOKO    | LL1608-FH...K(J)     |
| ..358 | LD 3,9NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR | LD 0009.6647.00 | TOKO    | LL1608-FH...K(J)     |
| L360  | LD 3,3NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR | LD 0009.6630.00 | TOKO    | LL1608-FH...K(J)     |
| L361  | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |         |                      |
| ..369 | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |         |                      |
| L371  | LD 3,9NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR | LD 0009.6647.00 | TOKO    | LL1608-FH...K(J)     |
| ..376 | LD 3,9NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR | LD 0009.6647.00 | TOKO    | LL1608-FH...K(J)     |
| L377  | LD 10NH 10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR   | LD 0009.6699.00 | TOKO    | LL1608-FH...K(J)     |
| L378  | LD 3,9NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR | LD 0009.6647.00 | TOKO    | LL1608-FH...K(J)     |
| L379  | LD 10NH 10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR   | LD 0009.6699.00 | TOKO    | LL1608-FH...K(J)     |
| L380  | LD 3,9NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR | LD 0009.6647.00 | TOKO    | LL1608-FH...K(J)     |
| ..382 | LD 10NH 10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR   | LD 0009.6699.00 | TOKO    | LL1608-FH...K(J)     |
| L383  | LD 3,9NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR | LD 0009.6647.00 | TOKO    | LL1608-FH...K(J)     |
| ..385 | LD 10NH 10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR   | LD 0009.6699.00 | TOKO    | LL1608-FH...K(J)     |
| L386  | LD 3,9NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR | LD 0009.6699.00 | TOKO    | LL1608-FH...K(J)     |
| L387  | LD 10NH 10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR   |                 |         |                      |
| L388  | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |         |                      |
| ..394 | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |         |                      |
| L397  | LD 10NH 10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR   | LD 0009.6699.00 | TOKO    | LL1608-FH...K(J)     |
| ..401 | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |         |                      |
| L402  | LD 1UH 10% 0,38A 1210<br>RF CHOKE                  | LD 6006.0130.00 | SIEMENS | B82422-A1102-J(K)100 |
| ..404 | LD 10NH 10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR   | LD 0009.6699.00 | TOKO    | LL1608-FH...K(J)     |
| L405  | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |         |                      |
| ..411 | LD 1UH 10% 0,38A 1210<br>RF CHOKE                  | LD 0009.6699.00 | TOKO    | LL1608-FH...K(J)     |
| L412  | LD 10NH 10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR   | LD 6006.0130.00 | SIEMENS | B82422-A1102-J(K)100 |
| L413  | LD 1UH 10% 0,38A 1210<br>RF CHOKE                  | LD 0009.6699.00 | TOKO    | LL1608-FH...K(J)     |
| ..416 | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |         |                      |
| L417  | LD 1UH 10% 0,38A 1210<br>RF CHOKE                  | LD 6006.0130.00 | SIEMENS | B82422-A1102-J(K)100 |
| L418  | LD 10NH 10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR   | LD 0009.6699.00 | TOKO    | LL1608-FH...K(J)     |
| L419  | LD 10NH 10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR   | LD 0009.6699.00 | TOKO    | LL1608-FH...K(J)     |
| L420  | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |         |                      |
| L421  | LD 22NH 10% 0,60A 1210<br>RF CHOKE                 | 1002.4897.00    | SIEMENS | B82422-A3220-J(K)100 |
| L422  | LD 5,6NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR | LD 0009.6660.00 | TOKO    | LL1608-FH...K(J)     |
| ..426 | LD 10NH 10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR   | LD 0009.6699.00 | TOKO    | LL1608-FH...K(J)     |
| L427  |                                                    |                 |         |                      |
| L428  |                                                    |                 |         |                      |

|                                                                                                                   |     |      |    |               |                                        |                         |                   |
|-------------------------------------------------------------------------------------------------------------------|-----|------|----|---------------|----------------------------------------|-------------------------|-------------------|
| 1GPK                                                                                                              | 877 | 3PLU | Äl | Datum<br>Date | Schalttailliste für<br>Parts list for  | Sachnummer<br>Stock No. | Blatt-Nr.<br>Page |
| <br><b>ROHDE &amp; SCHWARZ</b> |     |      | 14 | 22.09.99      | EE 6-GHZ-ERWEITERUNG<br>6GHZ EXTENSION | <b>1084.9600.01 SA</b>  | 23+               |

| Comp. No.             | Designation                                                                   | Stock No.                          | Manufacturer    | Designation                              | continued in |
|-----------------------|-------------------------------------------------------------------------------|------------------------------------|-----------------|------------------------------------------|--------------|
| L429<br>..434<br>L435 | LD 1UH 10% 0,38A 1210<br>RF CHOKE<br>XX ENTHALTEN IN<br>INCLUDED IN           | LD 6006.0130.00                    | SIEMENS         | B82422-A1102-J(K)100                     |              |
| L436                  | XX ENTHALTEN IN<br>INCLUDED IN                                                |                                    |                 |                                          |              |
| L437<br>..439<br>L440 | LD 22NH 10% 0,60A 1210<br>RF CHOKE<br>LD 3,9NH+-10% 0,3A 0603                 | 1002.4897.00<br>LD 0009.6647.00    | SIEMENS<br>TOKO | B82422-A3220-J(K)100<br>LL1608-FH...K(J) |              |
| L441                  | SMD-MULTILAYER INDUCTOR<br>XX ENTHALTEN IN<br>INCLUDED IN                     |                                    |                 |                                          |              |
| L442<br>..446<br>L447 | LD 3,9NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR<br>LD 10NH 10% 0,3A 0603   | LD 0009.6647.00<br>LD 0009.6699.00 | TOKO<br>TOKO    | LL1608-FH...K(J)<br>LL1608-FH...K(J)     |              |
| L448                  | SMD-MULTILAYER INDUCTOR<br>LD 3,9NH+-10% 0,3A 0603                            | LD 0009.6647.00                    | TOKO            | LL1608-FH...K(J)                         |              |
| L449                  | SMD-MULTILAYER INDUCTOR<br>LD 3,9NH+-10% 0,3A 0603                            | LD 0009.6647.00                    | TOKO            | LL1608-FH...K(J)                         |              |
| L450                  | SMD-MULTILAYER INDUCTOR<br>LD 10NH 10% 0,3A 0603                              | LD 0009.6699.00                    | TOKO            | LL1608-FH...K(J)                         |              |
| L451<br>..456<br>L457 | SMD-MULTILAYER INDUCTOR<br>LD 3,9NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR | LD 0009.6647.00<br>LD 0009.6830.00 | TOKO<br>TOKO    | LL1608-FH...K(J)<br>LL2012-FH56NK(J)     |              |
| L458                  | LD 56NH +-10% 0,3A 0805<br>SMD-MULTILAYER INDUCTOR                            | LD 0009.6647.00                    | TOKO            | LL1608-FH...K(J)                         |              |
| L459                  | LD 3,9NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR                            | LD 0009.6830.00                    | TOKO            | LL2012-FH56NK(J)                         |              |
| L460                  | LD 56NH +-10% 0,3A 0805<br>SMD-MULTILAYER INDUCTOR                            | LD 0009.6853.00                    | TOKO            | LL2012-FH47NK(J)                         |              |
| L461                  | LD 82NH +-10% 0,3A 0805<br>SMD-MULTILAYER INDUCTOR                            | LD 0009.6699.00                    | TOKO            | LL1608-FH...K(J)                         |              |
| L462                  | LD 10NH 10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR                              |                                    |                 |                                          |              |
| L463                  | XX ENTHALTEN IN<br>INCLUDED IN                                                |                                    |                 |                                          |              |
| L464                  | XX ENTHALTEN IN<br>INCLUDED IN                                                |                                    |                 |                                          |              |
| L465                  | LD 10NH 10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR                              | LD 0009.6699.00                    | TOKO            | LL1608-FH...K(J)                         |              |
| L466                  | LD 10NH 10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR                              | LD 0009.6699.00                    | TOKO            | LL1608-FH...K(J)                         |              |
| L467<br>..486<br>L487 | XX ENTHALTEN IN<br>INCLUDED IN                                                |                                    |                 |                                          |              |
| L488                  | LD 10NH 10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR                              | LD 0009.6699.00                    | TOKO            | LL1608-FH...K(J)                         |              |
| L489                  | XX ENTHALTEN IN<br>INCLUDED IN                                                |                                    |                 |                                          |              |
| L490                  | LD 10NH 10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR                              | LD 0009.6699.00                    | TOKO            | LL1608-FH...K(J)                         |              |
| L492                  | LD 10NH 10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR                              | LD 0009.6699.00                    | TOKO            | LL1608-FH...K(J)                         |              |
| L494                  | LD 10NH 10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR                              | LD 0009.6699.00                    | TOKO            | LL1608-FH...K(J)                         |              |
| L503                  | LD 10NH 10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR                              | LD 0009.6699.00                    | TOKO            | LL1608-FH...K(J)                         |              |
| L505                  | LD 10NH 10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR                              | LD 0009.6699.00                    | TOKO            | LL1608-FH...K(J)                         |              |
| L508                  | LD 10NH 10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR                              | LD 0009.6699.00                    | TOKO            | LL1608-FH...K(J)                         |              |
| L509                  | LD 10NH 10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR                              | LD 0009.6699.00                    | TOKO            | LL1608-FH...K(J)                         |              |
| L510                  | LD 10NH 10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR                              | LD 0009.6699.00                    | TOKO            | LL1608-FH...K(J)                         |              |
| L515                  | LD 39NH +-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR                            | LD 0009.6760.00                    | TOKO            | LL1608-FH...K(J)                         |              |
| L516                  | XX ENTHALTEN IN<br>INCLUDED IN                                                |                                    |                 |                                          |              |
| L517                  | LD 1D1,8NH+-0,3NH0,3A0603<br>SMD-MULTILAYER INDUCTOR                          | LD 0009.6601.00                    | TOKO            | LL1608-FH1N8S                            |              |
| L551                  | XX ENTHALTEN IN<br>INCLUDED IN                                                |                                    |                 |                                          |              |
| L552                  | LD 1D1,8NH+-0,3NH0,3A0603<br>SMD-MULTILAYER INDUCTOR                          | LD 0009.6601.00                    | TOKO            | LL1608-FH1N8S                            |              |
| L555                  | XX ENTHALTEN IN<br>INCLUDED IN                                                |                                    |                 |                                          |              |
| L573                  | LD 1D1,8NH+-0,3NH0,3A0603<br>SMD-MULTILAYER INDUCTOR                          | LD 0009.6624.00                    | TOKO            | LL1608-FH2N7S                            |              |
| L574                  | LD 2,7NH+-0,3NH 0,3A 0603<br>SMD-MULTILAYER INDUCTOR                          |                                    |                 |                                          |              |
| L575                  | XX ENTHALTEN IN<br>INCLUDED IN                                                |                                    |                 |                                          |              |
| L576                  | LD 2,7NH+-0,3NH 0,3A 0603<br>SMD-MULTILAYER INDUCTOR                          | LD 0009.6624.00                    | TOKO            | LL1608-FH2N7S                            |              |
| L578                  |                                                                               |                                    |                 |                                          |              |
| L579                  |                                                                               |                                    |                 |                                          |              |

| 1GPK                                                                                                              | 877 3PLU | Äl       | Datum<br>Date                          | Schaltteilliste für<br>Parts list for | Sachnummer<br>Stock No. | Blatt-Nr.<br>Page |
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| <br><b>ROHDE &amp; SCHWARZ</b> | 14       | 22.09.99 | EE 6-GHZ-ERWEITERUNG<br>6GHZ EXTENSION | <b>1084.9600.01 SA</b>                | 24+                     |                   |

| Comp. No. | Designation                                        | Stock No.       | Manufacturer | Designation          |
|-----------|----------------------------------------------------|-----------------|--------------|----------------------|
| L580      | LD 3,9NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR | LD 0009.6647.00 | TOKO         | LL1608-FH...K(J)     |
| L581      | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |              |                      |
| L582      | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |              |                      |
| L583      | LD 3,9NH+-10% 0,3A 0603                            | LD 0009.6647.00 | TOKO         | LL1608-FH...K(J)     |
| .603      | SMD-MULTILAYER INDUCTOR                            |                 |              |                      |
| L604      | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |              |                      |
| L605      | LD 3,9NH+-10% 0,3A 0603                            | LD 0009.6647.00 | TOKO         | LL1608-FH...K(J)     |
|           | SMD-MULTILAYER INDUCTOR                            |                 |              |                      |
| L607      | LD 3,9NH+-10% 0,3A 0603                            | LD 0009.6647.00 | TOKO         | LL1608-FH...K(J)     |
|           | SMD-MULTILAYER INDUCTOR                            |                 |              |                      |
| L608      | LD 4,7NH+-10% 0,3A 0603                            | LD 0009.6653.00 | TOKO         | LL1608-FH...K(J)     |
|           | SMD-MULTILAYER INDUCTOR                            |                 |              |                      |
| L609      | LD 3,9NH+-10% 0,3A 0603                            | LD 0009.6647.00 | TOKO         | LL1608-FH...K(J)     |
| .616      | SMD-MULTILAYER INDUCTOR                            |                 |              |                      |
| L618      | LD 3,9NH+-10% 0,3A 0603                            | LD 0009.6647.00 | TOKO         | LL1608-FH...K(J)     |
| .620      | SMD-MULTILAYER INDUCTOR                            |                 |              |                      |
| L621      | LD 3,9NH+-10% 0,3A 0603                            | LD 0009.6647.00 | TOKO         | LL1608-FH...K(J)     |
|           | SMD-MULTILAYER INDUCTOR                            |                 |              |                      |
| L622      | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |              |                      |
| L624      | LD 3,9NH+-10% 0,3A 0603                            | LD 0009.6647.00 | TOKO         | LL1608-FH...K(J)     |
|           | SMD-MULTILAYER INDUCTOR                            |                 |              |                      |
| L625      | LD 3,9NH+-10% 0,3A 0603                            | LD 0009.6647.00 | TOKO         | LL1608-FH...K(J)     |
|           | SMD-MULTILAYER INDUCTOR                            |                 |              |                      |
| L626      | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |              |                      |
| .628      |                                                    |                 |              |                      |
| L629      | LD 3,9NH+-10% 0,3A 0603                            | LD 0009.6647.00 | TOKO         | LL1608-FH...K(J)     |
|           | SMD-MULTILAYER INDUCTOR                            |                 |              |                      |
| L630      | LD 10NH 10% 0,3A 0603                              | LD 0009.6699.00 | TOKO         | LL1608-FH...K(J)     |
|           | SMD-MULTILAYER INDUCTOR                            |                 |              |                      |
| L631      | LD 56NH +-10% 0,3A 0805                            | LD 0009.6830.00 | TOKO         | LL2012-FH56NK(J)     |
|           | SMD-MULTILAYER INDUCTOR                            |                 |              |                      |
| L632      | LD 5,6NH+-10% 0,3A 0603                            | LD 0009.6660.00 | TOKO         | LL1608-FH...K(J)     |
|           | SMD-MULTILAYER INDUCTOR                            |                 |              |                      |
| L633      | LD 1UH 10% 0,38A 1210                              | LD 6006.0130.00 | SIEMENS      | B82422-A1102-J(K)100 |
|           | RF CHOKE                                           |                 |              |                      |
| L634      | LD 3,3NH+-10% 0,3A 0603                            | LD 0009.6630.00 | TOKO         | LL1608-FH...K(J)     |
|           | SMD-MULTILAYER INDUCTOR                            |                 |              |                      |
| L635      | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |              |                      |
| .640      |                                                    |                 |              |                      |
| L642      | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |              |                      |
| .648      |                                                    |                 |              |                      |
| L650      | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |              |                      |
| N1        | BO OP275GS LN 2XFET OPAMP                          | 2043.0928.00    | ANALOG_DEV   | OP275GS              |
|           | LOW NOISE FET AUDIO OPAMP                          |                 |              |                      |
| N2        | BO TLO74ACD 4XFET OPAMP                            | 0007.7823.00    | TEXAS        | TLO74A(CD)           |
|           | OPERATIONAL AMPLIFIER                              |                 |              |                      |
| N3        | BM SCA-4 DC-3G MMIC                                | 1085.2251.00    | STANFORD     | SCA-4                |
|           | MMIC AMPLIFIER                                     |                 |              |                      |
| N4        | BM SCA-4 DC-3G MMIC                                | 1085.2251.00    | STANFORD     | SCA-4                |
|           | MMIC AMPLIFIER                                     |                 |              |                      |
| N5        | BO REFO1CS 10V 20MA VREF                           | 1002.5129.00    | PMI          | REFO1C(S)            |
|           | VOLTAGE REFERENCE                                  |                 |              |                      |
| N6        | BM SFD1001 VERDOPPLER                              | 1039.1804.00    | WATKINS-JO   | SFD1001              |
|           | FREQUENCY DOUBLER IC                               |                 |              |                      |
| N7        | BO TLO74ACD 4XFET OPAMP                            | 0007.7823.00    | TEXAS        | TLO74A(CD)           |
|           | OPERATIONAL AMPLIFIER                              |                 |              |                      |
| N8        | BO TLO74ACD 4XFET OPAMP                            | 0007.7823.00    | TEXAS        | TLO74A(CD)           |
|           | OPERATIONAL AMPLIFIER                              |                 |              |                      |
| N9        | BM MGA82563 0.1-6G MMIC                            | 1085.2100.00    | HEWLETT_PA   | MGA-82563-TR1        |
|           | MICROWAVE MONOLITHIC AMPL                          |                 |              |                      |
| N10       | BO AD823AR 2XFET OPAMP                             | BO 1090.4288.00 | ANALOG_DEV   | AD823AR              |
|           | JFET INPUT HIGH-SPEED AMP                          |                 |              |                      |
| N11       | BO TLO74ACD 4XFET OPAMP                            | 0007.7823.00    | TEXAS        | TLO74A(CD)           |
|           | OPERATIONAL AMPLIFIER                              |                 |              |                      |
| N12       | BO AD823AR 2XFET OPAMP                             | BO 1090.4288.00 | ANALOG_DEV   | AD823AR              |
|           | JFET INPUT HIGH-SPEED AMP                          |                 |              |                      |
| N13       | BO TLO74ACD 4XFET OPAMP                            | 0007.7823.00    | TEXAS        | TLO74A(CD)           |
|           | OPERATIONAL AMPLIFIER                              |                 |              |                      |
| N14       | BM MGA82563 0.1-6G MMIC                            | 1085.2100.00    | HEWLETT_PA   | MGA-82563-TR1        |
|           | MICROWAVE MONOLITHIC AMPL                          |                 |              |                      |

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| 1GPK                                                                                | 877 3PLU | Äl | Datum<br>Date | Schaltteilliste für<br>Parts list for  | Sachnummer<br>Stock No. | Blatt-Nr.<br>Page |
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|  |          | 14 | 22.09.99      | EE 6-GHZ-ERWEITERUNG<br>6GHZ EXTENSION | <b>1084.9600.01 SA</b>  | 25+               |

| Relais<br>Comp. No. | Designation                                            | Stock No.       | Manufacturer | Designation          | contained in |
|---------------------|--------------------------------------------------------|-----------------|--------------|----------------------|--------------|
| N15                 | BM SNA486 0,1-8G MMIC<br>MICROWAVE MONOLITHIC AMPL     | 1085.1961.00    | STANFORD_M   | SNA-486              |              |
| N17                 | BM SNA486 0,1-8G MMIC<br>MICROWAVE MONOLITHIC AMPL     | 1085.1961.00    | STANFORD_M   | SNA-486              |              |
| N18                 | BM MGA82563 0.1-6G MMIC<br>MICROWAVE MONOLITHIC AMPL   | 1085.2100.00    | HEWLETT_PA   | MGA-82563-TR1        |              |
| ..25                | BD AD829JR HISPEED OPAMP                               | BO 1036.4254.00 | ANALOG_DEV   | AD829JR              |              |
| N26                 | LOW-NOISE HIGH-SPEED AMP                               | BO 0854.1754.00 | ANALOG_DEV   | (AD)744KR            |              |
| N27                 | BD AD744KR FET OPAMP<br>500NS SETTLE. BIFET OPAMP      | BO 1090.4288.00 | ANALOG_DEV   | AD823AR              |              |
| N28                 | BD AD823AR 2XFET OPAMP<br>JFET INPUT HIGH-SPEED AMP    | BO 0854.1754.00 | ANALOG_DEV   | (AD)744KR            |              |
| N29                 | BD AD744KR FET OPAMP<br>500NS SETTLE. BIFET OPAMP      | BO 1090.4288.00 | ANALOG_DEV   | AD823AR              |              |
| N30                 | BD AD823AR 2XFET OPAMP<br>JFET INPUT HIGH-SPEED AMP    | BO 1090.4288.00 | ANALOG_DEV   | AD823AR              |              |
| N31                 | BD AD823AR 2XFET OPAMP<br>JFET INPUT HIGH-SPEED AMP    | 2043.0928.00    | ANALOG_DEV   | OP275GS              |              |
| N32                 | BD OP275GS LN 2XFET OPAMP<br>LOW NOISE FET AUDIO OPAMP | 1085.2100.00    | HEWLETT_PA   | MGA-82563-TR1        |              |
| N35                 | BM MGA82563 0.1-6G MMIC<br>MICROWAVE MONOLITHIC AMPL   | 1085.2100.00    | HEWLETT_PA   | MGA-82563-TR1        |              |
| N36                 | BM MGA82563 0.1-6G MMIC<br>MICROWAVE MONOLITHIC AMPL   | 1085.2100.00    | HEWLETT_PA   | MGA-82563-TR1        |              |
| N37                 | BM MGA82563 0.1-6G MMIC<br>MICROWAVE MONOLITHIC AMPL   | 1085.2100.00    | HEWLETT_PA   | MGA-82563-TR1        |              |
| N38                 | BM SNA486 0,1-8G MMIC<br>MICROWAVE MONOLITHIC AMPL     | 1085.1961.00    | STANFORD_M   | SNA-486              |              |
| N39                 | BM SNA486 0,1-8G MMIC<br>MICROWAVE MONOLITHIC AMPL     | 1085.1961.00    | STANFORD_M   | SNA-486              |              |
| N40                 | BD AD823AR 2XFET OPAMP<br>JFET INPUT HIGH-SPEED AMP    | BO 1090.4288.00 | ANALOG_DEV   | AD823AR              |              |
| P1                  | VL EINPRESSTIFT 5,6<br>PIN                             | VL 0010.7250.00 | AMP          | 1-928776-5           |              |
| P3                  | VL EINPRESSTIFT 5,6<br>PIN                             | VL 0010.7250.00 | AMP          | 1-928776-5           |              |
| P6                  | VL EINPRESSTIFT 5,6<br>PIN                             | VL 0010.7250.00 | AMP          | 1-928776-5           |              |
| P7                  | VL EINPRESSTIFT 5,6<br>PIN                             | VL 0010.7250.00 | AMP          | 1-928776-5           |              |
| P8                  | VL EINPRESSTIFT 5,6<br>PIN                             | VL 0010.7250.00 | AMP          | 1-928776-5           |              |
| P10                 | VL EINPRESSTIFT 5,6<br>PIN                             | VL 0010.7250.00 | AMP          | 1-928776-5           |              |
| P11                 | VL EINPRESSTIFT 5,6<br>PIN                             | VL 0010.7250.00 | AMP          | 1-928776-5           |              |
| P12                 | VL EINPRESSTIFT 5,6<br>PIN                             | VL 0010.7250.00 | AMP          | 1-928776-5           |              |
| P22                 | VL EINPRESSTIFT 5,6<br>PIN                             | VL 0010.7250.00 | AMP          | 1-928776-5           |              |
| P27                 | VL EINPRESSTIFT 5,6<br>PIN                             | VL 0010.7250.00 | AMP          | 1-928776-5           |              |
| P29                 | VL EINPRESSTIFT 5,6<br>PIN                             | VL 0010.7250.00 | AMP          | 1-928776-5           |              |
| R1                  | RG 182 OHM+-1%TK100 0603<br>SMD RESISTOR EIA0603       | 0009.9130.00    | DRALORIC     | CR 0603              |              |
| R2                  | RG 432R +-1%TK100 0603<br>SMD RESISTOR EIA0603         | 0009.9098.00    | DRALORIC     | CR 0603              |              |
| R3                  | RG 432R +-1%TK100 0603<br>SMD RESISTOR EIA0603         | 0009.9098.00    | DRALORIC     | CR 0603              |              |
| R4                  | RG 470R +-1% TK100 0603<br>SMD RESISTOR EIA0603        | 0009.6976.00    | DRALORIC     | CR 0603              |              |
| R5                  | RG 3R92 +-1% TK250 0603<br>SMD RESISTOR EIA0603        | 0048.4170.00    | PHILIPS_CO   | RC 22 H              |              |
| R6                  | RG 49R9 1% 1W 1218<br>SMD RESISTOR                     | 0048.5083.00    | PHILIPS_CO   | PRC201-49R9 1% TK100 |              |
| R7                  | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603         | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H              |              |
| R8                  | RG 100R +-1% TK100 0603<br>SMD RESISTOR EIA0603        | RG 0009.5334.00 | PHILIPS_CO   | RC 22 H              |              |
| R9                  | RG 20,0OHM+-0,1%TK25 1206<br>CHIP RESISTOR             | 1110.3068.00    | PHILIPS_CO   | MPC 01               |              |
| R10                 | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603         | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H              |              |
| R11                 | RG 182 OHM+-1%TK100 0603<br>SMD RESISTOR EIA0603       | 0009.9130.00    | DRALORIC     | CR 0603              |              |

| 1GPK                                                                                                              | 877 | 3PLU     | Äl | Datum<br>Date                          | Schaltteilliste für<br>Parts list for | Sachnummer<br>Stock No. | Blatt-Nr.<br>Page |
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| <br><b>ROHDE &amp; SCHWARZ</b> | 14  | 22.09.99 |    | EE 6-GHZ-ERWEITERUNG<br>6GHZ EXTENSION | <b>1084.9600.01 SA</b>                | 26+                     |                   |

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| Comp. No. | Designation                                       | Stock No. | Manufacturer    | Designation                    |
|-----------|---------------------------------------------------|-----------|-----------------|--------------------------------|
| R12       | RG 68R +-1% TK100<br>SMD RESISTOR EIA0603         | 0603      | 0009.6930.00    | DRALORIC CR 0603               |
| R13       | RG 1R +-1% TK250<br>SMD RESISTOR EIA0603          | 0603      | 0048.4187.00    | DRALORIC CR 0603               |
| R14       | RG 10,00HM+-0,1%TK25<br>CHIP RESISTOR             | 1206      | 0009.9546.00    | PHILIPS_CO MPC 01              |
| R15       | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603         | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H             |
| R16       | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603         | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H             |
| R17       | RG 1KO +-1% TK100<br>SMD RESISTOR EIA0603         | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H             |
| R18       | RG 20R 1% 1W<br>SMD RESISTOR                      | 1218      | 1104.2734.00    | PHILIPS_CO PRC201-20R 1% TK100 |
| R19       | RG 100R +-1% TK100<br>SMD RESISTOR EIA0603        | 0603      | RG 0009.5334.00 | PHILIPS_CO RC 22 H             |
| R20       | RG 100R +-1% TK100<br>SMD RESISTOR EIA0603        | 0603      | RG 0009.5334.00 | PHILIPS_CO RC 22 H             |
| R21       | RG 182 OHM+-1%TK100<br>SMD RESISTOR EIA0603       | 0603      | 0009.9130.00    | DRALORIC CR 0603               |
| R22       | RG 1R +-1% TK250<br>SMD RESISTOR EIA0603          | 0603      | 0048.4187.00    | DRALORIC CR 0603               |
| R23       | RG 392R+-1% TK100<br>SMD RESISTOR EIA0603         | 0603      | 0010.9300.00    | DRALORIC CR 0603               |
| R24       | RG 470R +-1% TK100<br>SMD RESISTOR EIA0603        | 0603      | 0009.6976.00    | DRALORIC CR 0603               |
| R25       | RG 470R +-1% TK100<br>SMD RESISTOR EIA0603        | 0603      | 0009.6976.00    | DRALORIC CR 0603               |
| R26       | RK SMD-HEISSL.100K<br>SMD-NTC-RESISTOR            | 1206      | 0008.9236.00    | SIEMENS B57621-C104-J          |
| R27       | RK SMD-HEISSL.100K<br>SMD-NTC-RESISTOR            | 1206      | 0008.9236.00    | SIEMENS B57621-C104-J          |
| R28       | RG 392R+-1% TK100<br>SMD RESISTOR EIA0603         | 0603      | 0010.9300.00    | DRALORIC CR 0603               |
| R29       | RG 392R+-1% TK100<br>SMD RESISTOR EIA0603         | 0603      | 0010.9300.00    | DRALORIC CR 0603               |
| R30       | RK SMD-HEISSL.100K<br>SMD-NTC-RESISTOR            | 1206      | 0008.9236.00    | SIEMENS B57621-C104-J          |
| R31       | RK SMD-HEISSL.100K<br>SMD-NTC-RESISTOR            | 1206      | 0008.9236.00    | SIEMENS B57621-C104-J          |
| R32       | RG 0-OHM WIDERSTAND<br>SMD RESISTOR EIA0603       | 0603      | 0009.9369.00    | PHILIPS_CO RC21 0 OHM          |
| R33       | NICHT BESTUECKT/NOT FITTED<br>RG 0-OHM WIDERSTAND | 0603      | 0009.9369.00    | PHILIPS_CO RC21 0 OHM          |
| R34       | SMD RESISTOR EIA0603<br>RG 220R +-1% TK100        | 0603      | 0009.6953.00    | DRALORIC CR 0603               |
| R35       | SMD RESISTOR EIA0603<br>RG 220R +-1% TK100        | 0603      | 0009.6953.00    | DRALORIC CR 0603               |
| R36       | SMD RESISTOR EIA0603<br>RG 1MO +-1% TK100         | 0603      | RG 0009.5370.00 | DRALORIC CR 0603               |
| R37       | SMD RESISTOR EIA0603<br>RG 1MO +-1% TK100         | 0603      | RG 0009.5370.00 | DRALORIC CR 0603               |
| R38       | SMD RESISTOR EIA0603<br>RG 15,00HM+-0,1%TK25      | 1206      | 1080.7590.00    | PHILIPS_CO MPC 01              |
| R39       | CHIP RESISTOR<br>RG 24,3 OHM+-1%TK100             | 0603      | 0009.8991.00    | DRALORIC CR 0603               |
| R40       | SMD RESISTOR EIA0603<br>RG 56R +-1% TK100         | 0603      | 0009.9646.00    | DRALORIC CR 0603               |
| R41       | SMD RESISTOR EIA0603<br>RG 15,00HM+-0,1%TK25      | 1206      | 1080.7590.00    | PHILIPS_CO MPC 01              |
| R42       | CHIP RESISTOR<br>RG 1K5 +-1% TK100                | 0603      | 0009.6999.00    | DRALORIC CR 0603               |
| R43       | SMD RESISTOR EIA0603<br>RG 1KO +-1% TK100         | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H             |
| R44       | SMD RESISTOR EIA0603<br>RG 10,00HM+-0,1%TK25      | 1206      | 0009.9546.00    | PHILIPS_CO MPC 01              |
| R45       | CHIP RESISTOR<br>RG 1K5 +-1% TK100                | 0603      | 0009.6999.00    | DRALORIC CR 0603               |
| R46       | SMD RESISTOR EIA0603<br>RG 392K+-1% TK100         | 0603      | 1097.6528.00    | DRALORIC CR 0603               |
| R51       | RESISTOR<br>RG 470K +-1% TK100                    | 0603      | 0009.7120.00    | PHILIPS_CO RC 22 H             |
| R52       | SMD RESISTOR EIA0603<br>RG 0-OHM WIDERSTAND       | 0603      | 0009.9369.00    | PHILIPS_CO RC21 0 OHM          |
| R53       | SMD RESISTOR EIA0603<br>RG 1KO +-1% TK100         | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H             |

| 1GPK                                                                                | 877 3PLU                   | Äl | Datum<br>Date | Schaltteilliste für<br>Parts list for  | Sachnummer<br>Stock No. | Blatt-Nr.<br>Page |
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|  | <b>ROHDE &amp; SCHWARZ</b> | 14 | 22.09.99      | EE 6-GHZ-ERWEITERUNG<br>6GHZ EXTENSION | <b>1084.9600.01 SA</b>  | 27+               |

| Comp. No. | Designation                                  | Stock No. | Manufacturer    | Designation                    | contained in |
|-----------|----------------------------------------------|-----------|-----------------|--------------------------------|--------------|
| R54       | RG 27,4 OHM+-1%TK100<br>SMD RESISTOR EIA0603 | 0603      | 0009.9046.00    | PHILIPS_CO RC 22 H             |              |
| R55       | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H             |              |
| R56       | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H             |              |
| R57       | RG 20R 1% 1W<br>SMD RESISTOR                 | 1218      | 1104.2734.00    | PHILIPS_CO PRC201-20R 1% TK100 |              |
| R58       | RG 100R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5334.00 | PHILIPS_CO RC 22 H             |              |
| R59       | RG 24,3 OHM+-1%TK100<br>SMD RESISTOR EIA0603 | 0603      | 0009.8991.00    | DRALORIC CR 0603               |              |
| R60       | RG 24,3 OHM+-1%TK100<br>SMD RESISTOR EIA0603 | 0603      | 0009.8991.00    | DRALORIC CR 0603               |              |
| R61       | RG 0-OHM WIDERSTAND<br>SMD RESISTOR EIA0603  | 0603      | 0009.9369.00    | PHILIPS_CO RC21 0 OHM          |              |
| R62       | RG 0-OHM WIDERSTAND<br>SMD RESISTOR EIA0603  | 0603      | 0009.9369.00    | PHILIPS_CO RC21 0 OHM          |              |
| R63       | RG 5R62 +-1% TK250<br>SMD RESISTOR EIA0603   | 0603      | 0009.9100.00    | DRALORIC CR 0603               |              |
| R64       | RG 10R +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5328.00 | PHILIPS_CO RC 22 H             |              |
| R65       | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H             |              |
| R66       | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H             |              |
| R67       | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H             |              |
| R68       | RG 24,3 OHM+-1%TK100<br>SMD RESISTOR EIA0603 | 0603      | 0009.8991.00    | DRALORIC CR 0603               |              |
| R69       | RG 24,3 OHM+-1%TK100<br>SMD RESISTOR EIA0603 | 0603      | 0009.8991.00    | DRALORIC CR 0603               |              |
| R70       | RG 200R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 1097.6386.00    | DRALORIC CR 0603               |              |
| R71       | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H             |              |
| R72       | RG 10,0OHM+-0,1%TK25<br>CHIP RESISTOR        | 1206      | 0009.9546.00    | PHILIPS_CO MPC 01              |              |
| R73       | RG 24,3 OHM+-1%TK100<br>SMD RESISTOR EIA0603 | 0603      | 0009.8991.00    | DRALORIC CR 0603               |              |
| R74       | RG 39K2 +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0010.9823.00    | PHILIPS_CO RC 22 H             |              |
| R75       | RG 24,3 OHM+-1%TK100<br>SMD RESISTOR EIA0603 | 0603      | 0009.8991.00    | DRALORIC CR 0603               |              |
| R76       | RG 100R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5334.00 | PHILIPS_CO RC 22 H             |              |
| R77       | RG 0-OHM WIDERSTAND<br>SMD RESISTOR EIA0603  | 0603      | 0009.9369.00    | PHILIPS_CO RC21 0 OHM          |              |
| R78       | RG 10,0OHM+-0,1%TK25<br>CHIP RESISTOR        | 1206      | 0009.9546.00    | PHILIPS_CO MPC 01              |              |
| R79       | RG 100R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5334.00 | PHILIPS_CO RC 22 H             |              |
| R80       | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H             |              |
| R81       | RG 100R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5334.00 | PHILIPS_CO RC 22 H             |              |
| R82       | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H             |              |
| R83       | RG 200R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 1097.6386.00    | DRALORIC CR 0603               |              |
| R84       | RG 100R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5334.00 | PHILIPS_CO RC 22 H             |              |
| R85       | RG 3,01KOH+-0,1%TK25<br>RESISTOR             | 1206      | 0010.2058.00    | PHILIPS_CO MPC 01              |              |
| R86       | RG 100R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5334.00 | PHILIPS_CO RC 22 H             |              |
| R87       | RG 39R 1% 1W<br>SMD-RESISTOR                 | 1218      | 1104.2786.00    | PHILIPS_CO PRC201-39R 1% TK100 |              |
| R88       | RG 3,01KOH+-0,1%TK25<br>RESISTOR             | 1206      | 0010.2058.00    | PHILIPS_CO MPC 01              |              |
| R89       | RG 100R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5334.00 | PHILIPS_CO RC 22 H             |              |
| R90       | RG 3K3 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.7014.00    | DRALORIC CR 0603               |              |
| R91       | RG 100R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5334.00 | PHILIPS_CO RC 22 H             |              |
| R92       | RG 0-OHM WIDERSTAND<br>RESISTOR CHIP 0-OHM   | 1206      | RG 0007.5108.00 | DRALORIC CR 1206               |              |

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| Comp. No. | Designation                                      | Stock No.       | Manufacturer                    |
|-----------|--------------------------------------------------|-----------------|---------------------------------|
| R93       | RG 100R +-1% TK100 0603<br>SMD RESISTOR EIA0603  | RG 0009.5334.00 | PHILIPS_CO RC 22 H              |
| R94       | RG 432R +-1%TK100 0603<br>SMD RESISTOR EIA0603   | 0009.9098.00    | DRALORIC CR 0603                |
| R95       | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603   | RG 0009.5357.00 | PHILIPS_CO RC 22 H              |
| R96       | RG 2K2 +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0009.7008.00    | PHILIPS_CO RC 22 H              |
| R97       | RG 20R 1% 1W 1218<br>SMD RESISTOR                | 1104.2734.00    | PHILIPS_CO PRC201-20R 1% TK100  |
| R98       | RG 39R 1% 1W 1218<br>SMD-RESISTOR                | 1104.2786.00    | PHILIPS_CO PRC201-39R 1% TK100  |
| R99       | RG 0-OHM WIDERSTAND 0603<br>SMD RESISTOR EIA0603 | 0009.9369.00    | PHILIPS_CO RC21 0 OHM           |
| R100      | RG 220K +-1% TK100 0603<br>SMD RESISTOR EIA0603  | 0009.7108.00    | DRALORIC CR 0603                |
| R101      | RG 10M 1% TK100 0603<br>SMD RESISTOR             | 0048.5090.00    | DRALORIC CR 0603                |
| R102      | RG 220K +-1% TK100 0603<br>SMD RESISTOR EIA0603  | 0009.7108.00    | DRALORIC CR 0603                |
| ..104     | RG 100R +-1% TK100 0603<br>SMD RESISTOR EIA0603  | RG 0009.5334.00 | PHILIPS_CO RC 22 H              |
| R105      | RG 56K2 +-1% TK100 0603<br>SMD RESISTOR EIA0603  | 0010.9117.00    | DRALORIC CR 0603                |
| ..108     | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603   | RG 0009.5357.00 | PHILIPS_CO RC 22 H              |
| R109      | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603   | RG 0009.5357.00 | PHILIPS_CO RC 22 H              |
| R110      | RG 20R 1% 1W 1218<br>SMD RESISTOR                | 1104.2734.00    | PHILIPS_CO PRC201-20R 1% TK100  |
| R111      | RG 20R 1% 1W 1218<br>SMD RESISTOR                | 1104.2734.00    | PHILIPS_CO PRC201-20R 1% TK100  |
| R112      | RG 100R 1% 1W 1218<br>SMD RESISTOR               | 1104.2740.00    | PHILIPS_CO PRC201-100R 1% TK100 |
| R113      | RG 10M 1% TK100 0603<br>SMD RESISTOR             | 0048.5090.00    | DRALORIC CR 0603                |
| R114      | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603   | RG 0009.5357.00 | PHILIPS_CO RC 22 H              |
| R115      | RG 6K8 +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0009.7037.00    | DRALORIC CR 0603                |
| R116      | RG 10M 1% TK100 0603<br>SMD RESISTOR             | 0048.5090.00    | DRALORIC CR 0603                |
| R117      | RG 1R +-1% TK250 0603<br>SMD RESISTOR EIA0603    | 0048.4187.00    | DRALORIC CR 0603                |
| ..121     | RG 100R +-1% TK100 0603<br>SMD RESISTOR EIA0603  | RG 0009.5334.00 | PHILIPS_CO RC 22 H              |
| R122      | RG 10M 1% TK100 0603<br>SMD RESISTOR             | 0048.5090.00    | DRALORIC CR 0603                |
| R123      | RG 20,00HM+-0,1%TK25 1206<br>CHIP RESISTOR       | 1110.3068.00    | PHILIPS_CO MPC 01               |
| R124      | RG 330R +-1% TK100 0603<br>SMD RESISTOR EIA0603  | 0009.6960.00    | DRALORIC CR 0603                |
| R125      | RG 100R +-1% TK100 0603<br>SMD RESISTOR EIA0603  | RG 0009.5334.00 | PHILIPS_CO RC 22 H              |
| R126      | RG 10R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | RG 0009.5328.00 | PHILIPS_CO RC 22 H              |
| R127      | RG 10,00HM+-0,1%TK25 1206<br>CHIP RESISTOR       | 0009.9546.00    | PHILIPS_CO MPC 01               |
| ..130     | RG 100R +-1% TK100 0603<br>SMD RESISTOR EIA0603  | RG 0009.5334.00 | PHILIPS_CO RC 22 H              |
| R131      | RG 10,00HM+-0,1%TK25 1206<br>CHIP RESISTOR       | 0009.9546.00    | PHILIPS_CO MPC 01               |
| R132      | RG 200K +-1% TK100 0603<br>SMD RESISTOR EIA0603  | 1093.6200.00    | PHILIPS_CO RC 22 H              |
| R133      | RG 100K +-1% TK100 0603<br>SMD RESISTOR EIA0603  | RG 0009.5363.00 | DRALORIC CR 0603                |
| R134      | RG 82K5 +-1% TK100 0603<br>SMD RESISTOR EIA0603  | 0010.9123.00    | DRALORIC CR 0603                |
| R135      | RG 270R +-1% TK100 0603<br>SMD RESISTOR EIA0603  | 0010.9581.00    | PHILIPS_CO RC 22 H              |
| ..139     | RG 121K +-1% TK100 0603<br>SMD RESISTOR EIA0603  | 1097.6340.00    | PHILIPS_CO RC 22 H              |
| R140      | RG 82K5 +-1% TK100 0603<br>SMD RESISTOR EIA0603  | 0010.9123.00    | DRALORIC CR 0603                |
| R141      | RG 1M0 +-1% TK100 0603<br>SMD RESISTOR EIA0603   | RG 0009.5370.00 | DRALORIC CR 0603                |
| R142      | RG 270R +-1% TK100 0603<br>SMD RESISTOR EIA0603  | 0010.9581.00    | PHILIPS_CO RC 22 H              |
| R143      | ..146                                            |                 |                                 |

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| Comp. No. | Designation                                  | Stock No. | Manufacturer    | Designation             | Contained in |
|-----------|----------------------------------------------|-----------|-----------------|-------------------------|--------------|
| R147      | RG 3R32 +-1% TK250<br>SMD RESISTOR EIA0603   | 0603      | 0010.8362.00    | DRALORIC CR 0603        |              |
| R148      | RG 15K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.7043.00    | DRALORIC CR 0603        |              |
| R149      | RG 4,02KOH+-0,1%TK25<br>SMD-RESISTOR EIA1206 | 1206      | 0009.7814.00    | PHILIPS_CO MPC 01       |              |
| R150      | RG 130R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 1078.3110.00    | DRALORIC CR 0603        |              |
| R151      | RG 330R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0009.6960.00    | DRALORIC CR 0603        |              |
| R152      | RG 7K5 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0010.8440.00    | PHILIPS_CO RC 22 H      |              |
| ..155     | RG 27K4 +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 1097.6392.00    | DRALORIC CR 0603        |              |
| R156      | RG 27K4 +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 1097.6392.00    | DRALORIC CR 0603        |              |
| R157      | RG 27K4 +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 1097.6392.00    | DRALORIC CR 0603        |              |
| R158      | RG 33R +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.6918.00    | DRALORIC CR 0603        |              |
| R159      | RG 15R +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.6899.00    | DRALORIC CR 0603        |              |
| R160      | RG 5R62 +-1% TK250<br>SMD RESISTOR EIA0603   | 0603      | 0009.9100.00    | DRALORIC CR 0603        |              |
| R161      | RG 3K92 +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0010.8427.00    | PHILIPS_CO RC 22 H      |              |
| R162      | RG 5R62 +-1% TK250<br>SMD RESISTOR EIA0603   | 0603      | 0009.9100.00    | DRALORIC CR 0603        |              |
| R163      | RG 0-OHM WIDERSTAND<br>SMD RESISTOR EIA0603  | 0603      | 0009.9369.00    | PHILIPS_CO RC21 0 OHM   |              |
| R164      | RG 5R62 +-1% TK250<br>SMD RESISTOR EIA0603   | 0603      | 0009.9100.00    | DRALORIC CR 0603        |              |
| R165      | RG 0-OHM WIDERSTAND<br>SMD RESISTOR EIA0603  | 0603      | 0009.9369.00    | PHILIPS_CO RC21 0 OHM   |              |
| R166      | RG 100R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5334.00 | PHILIPS_CO RC 22 H      |              |
| R167      | RG 100R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5334.00 | PHILIPS_CO RC 22 H      |              |
| R168      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H      |              |
| R169      | RG 1K82 +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0010.8404.00    | PHILIPS_CO RC 22 H      |              |
| R170      | RG 1K82 +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0010.8404.00    | PHILIPS_CO RC 22 H      |              |
| R171      | RG 51,0 OHM+-1%TK100<br>SMD RESISTOR EIA0603 | 0603      | 0009.9030.00    | DRALORIC CR 0603        |              |
| R172      | RS 0,25W 5KOHM +-20% SMD<br>POTENTIOMETER    |           | RS 0007.9632.00 | BI_TECHNOL 23 B R... TR |              |
| R173      | RS 0,25W 20K MULTI SE SMD<br>POTENTIOMETER   |           | 1100.4626.00    | BI_TECHNOL 44JR20K      |              |
| R174      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H      |              |
| ..176     | RG 1K82 +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0010.8404.00    | PHILIPS_CO RC 22 H      |              |
| R177      | RG 30K1+-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0010.9281.00    | PHILIPS_CO RC 22 H      |              |
| R178      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H      |              |
| ..181     | RG 1K82 +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0010.8404.00    | PHILIPS_CO RC 22 H      |              |
| R182      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H      |              |
| R183      | RG 1K82 +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0010.8404.00    | PHILIPS_CO RC 22 H      |              |
| R184      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H      |              |
| R185      | RG 220R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0009.6953.00    | DRALORIC CR 0603        |              |
| R186      | RG 22K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.7050.00    | DRALORIC CR 0603        |              |
| R187      | RG 2K0 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 1097.6328.00    | DRALORIC CR 0603        |              |
| R188      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H      |              |
| R189      | RG 2K0 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 1097.6328.00    | DRALORIC CR 0603        |              |
| R190      | RG 1K5 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.6999.00    | DRALORIC CR 0603        |              |
| R191      | RG 470K +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0009.7120.00    | PHILIPS_CO RC 22 H      |              |
| R192      | RG 2K0 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 1097.6328.00    | DRALORIC CR 0603        |              |
| R193      | RG 100K +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5363.00 | DRALORIC CR 0603        |              |

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| Comp. No. | Designation                                | Stock No. | Manufacturer    | Designation                    |
|-----------|--------------------------------------------|-----------|-----------------|--------------------------------|
| R194      | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603  | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H             |
| R195      | RG 100K +-1% TK100<br>SMD RESISTOR EIA0603 | 0603      | RG 0009.5363.00 | DRALORIC CR 0603               |
| R196      | RG 1K5 +-1% TK100<br>SMD RESISTOR EIA0603  | 0603      | 0009.6999.00    | DRALORIC CR 0603               |
| R197      | RG 20K +-1% TK100<br>SMD RESISTOR EIA0603  | 0603      | 0010.9100.00    | DRALORIC CR 0603               |
| R198      | RG 1K5 +-1% TK100<br>SMD RESISTOR EIA0603  | 0603      | 0009.6999.00    | DRALORIC CR 0603               |
| R199      | RG 20K +-1% TK100<br>SMD RESISTOR EIA0603  | 0603      | 0010.9100.00    | DRALORIC CR 0603               |
| R200      | RG 220R +-1% TK100<br>SMD RESISTOR EIA0603 | 0603      | 0009.6953.00    | DRALORIC CR 0603               |
| R201      | RG 20K +-1% TK100<br>SMD RESISTOR EIA0603  | 0603      | 0010.9100.00    | DRALORIC CR 0603               |
| R202      | RG 1K5 +-1% TK100<br>SMD RESISTOR EIA0603  | 0603      | 0009.6999.00    | DRALORIC CR 0603               |
| R203      | RG 2K0 +-1% TK100<br>SMD RESISTOR EIA0603  | 0603      | 1097.6328.00    | DRALORIC CR 0603               |
| R204      | RG 100K +-1% TK100<br>SMD RESISTOR EIA0603 | 0603      | RG 0009.5363.00 | DRALORIC CR 0603               |
| R206      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603  | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H             |
| R207      | RG 20K +-1% TK100<br>SMD RESISTOR EIA0603  | 0603      | 0010.9100.00    | DRALORIC CR 0603               |
| R208      | RG 20K +-1% TK100<br>SMD RESISTOR EIA0603  | 0603      | 1097.6334.00    | PHILIPS_CO RC 22 H             |
| R209      | RG 5K11 +-1% TK100<br>SMD RESISTOR EIA0603 | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H             |
| R210      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603  | 0603      | 0010.8427.00    | PHILIPS_CO RC 22 H             |
| R212      | RG 3K92 +-1% TK100<br>SMD RESISTOR EIA0603 | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H             |
| R213      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603  | 0603      | 0010.9117.00    | DRALORIC CR 0603               |
| R214      | RG 56K2 +-1% TK100<br>SMD RESISTOR EIA0603 | 0603      | RG 0009.5363.00 | DRALORIC CR 0603               |
| R215      | RG 100K +-1% TK100<br>SMD RESISTOR EIA0603 | 0603      | 0009.9546.00    | PHILIPS_CO MPC 01              |
| R216      | RG 10,00HM+-0,1%TK25<br>CHIP RESISTOR      | 1206      | RG 0009.5363.00 | DRALORIC CR 0603               |
| R217      | RG 100K +-1% TK100<br>SMD RESISTOR EIA0603 | 0603      | 0010.9117.00    | DRALORIC CR 0603               |
| R218      | RG 56K2 +-1% TK100<br>SMD RESISTOR EIA0603 | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H             |
| R219      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603  | 0603      | 0010.9100.00    | DRALORIC CR 0603               |
| R220      | RG 20K +-1% TK100<br>SMD RESISTOR EIA0603  | 0603      | 1104.2786.00    | PHILIPS_CO PRC201-39R 1% TK100 |
| R221      | RG 39R 1% 1W<br>SMD-RESISTOR               | 1218      | RG 0009.5357.00 | PHILIPS_CO RC 22 H             |
| R222      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603  | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H             |
| R223      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603  | 0603      | 0010.8404.00    | PHILIPS_CO RC 22 H             |
| R224      | RG 1K82 +-1% TK100<br>SMD RESISTOR EIA0603 | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H             |
| R225      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603  | 0603      | 3528.0973.00    | VITROHM RGC509-0 13R 5%        |
| R226      | RG 13R 5% 1W<br>SMD RESISTOR               | 2512      | RG 0009.5357.00 | PHILIPS_CO RC 22 H             |
| R227      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603  | 0603      | 0009.6982.00    | PHILIPS_CO RC 22 H             |
| R228      | RG 680R +-1% TK100<br>SMD RESISTOR EIA0603 | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H             |
| R231      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603  | 0603      | 0010.9100.00    | DRALORIC CR 0603               |
| R232      | RG 20K +-1% TK100<br>SMD RESISTOR EIA0603  | 0603      | 0010.9100.00    | DRALORIC CR 0603               |
| R233      | RG 20K +-1% TK100<br>SMD RESISTOR EIA0603  | 0603      | 0009.9098.00    | DRALORIC CR 0603               |
| R236      | RG 432R +-1%TK100<br>SMD RESISTOR EIA0603  | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H             |
| R237      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603  | 0603      | 0010.9100.00    | DRALORIC CR 0603               |
| R238      | RG 20K +-1% TK100<br>SMD RESISTOR EIA0603  | 0603      | 0009.5357.00    | PHILIPS_CO RC 22 H             |
| R239      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603  | 0603      | 0010.9100.00    | DRALORIC CR 0603               |
| R240      | RG 20K +-1% TK100<br>SMD RESISTOR EIA0603  | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H             |
| R245      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603  | 0603      | 0010.9100.00    | DRALORIC CR 0603               |
| R246      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603  | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H             |
| R247      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603  | 0603      |                 |                                |

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| Comp. No. | Designation                                  | Stock No.                                 | Manufacturer    | Designation        | contained in       |                    |
|-----------|----------------------------------------------|-------------------------------------------|-----------------|--------------------|--------------------|--------------------|
| R248      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                                      | RG 0009.5357.00 | PHILIPS_CO RC 22 H | ManualsPlus        |                    |
| R249      | RG 20K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                                      | 0010.9100.00    | DRALORIC CR 0603   |                    |                    |
| R250      | RG 20K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                                      | 0010.9100.00    | DRALORIC CR 0603   |                    |                    |
| R251      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                                      | RG 0009.5357.00 | PHILIPS_CO RC 22 H |                    |                    |
| R252      | RG 20K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                                      | 0010.9100.00    | DRALORIC CR 0603   |                    |                    |
| R253      | RG 56K2 +-1% TK100<br>SMD RESISTOR EIA0603   | 0603                                      | 0010.9117.00    | DRALORIC CR 0603   |                    |                    |
| R254      | RG 51,0 OHM+-1%TK100<br>SMD RESISTOR EIA0603 | 0603                                      | 0009.9030.00    | DRALORIC CR 0603   |                    |                    |
| R255      | RG 16,2K +-1% TK100<br>SMD RESISTOR EIA0603  | 0603                                      | 1093.6130.00    | DRALORIC CR 0603   |                    |                    |
| R256      | RG 56R +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                                      | 0009.9646.00    | DRALORIC CR 0603   |                    |                    |
| R257      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                                      | RG 0009.5357.00 | PHILIPS_CO RC 22 H |                    |                    |
| R258      | RG 56R +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                                      | 0009.9646.00    | DRALORIC CR 0603   |                    |                    |
| R259      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                                      | RG 0009.5357.00 | PHILIPS_CO RC 22 H |                    |                    |
| ..265     | R266                                         | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603 | 0603            | RG 0009.5357.00    |                    | PHILIPS_CO RC 22 H |
| R267      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                                      | RG 0009.5357.00 | PHILIPS_CO RC 22 H |                    |                    |
| R268      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                                      | RG 0009.5357.00 | PHILIPS_CO RC 22 H |                    |                    |
| R269      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                                      | RG 0009.5357.00 | PHILIPS_CO RC 22 H |                    |                    |
| R270      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                                      | RG 0009.5357.00 | PHILIPS_CO RC 22 H |                    |                    |
| R271      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                                      | RG 0009.5357.00 | PHILIPS_CO RC 22 H |                    |                    |
| R272      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                                      | RG 0009.5357.00 | PHILIPS_CO RC 22 H |                    |                    |
| R273      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                                      | RG 0009.5357.00 | PHILIPS_CO RC 22 H |                    |                    |
| R274      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                                      | RG 0009.5357.00 | PHILIPS_CO RC 22 H |                    |                    |
| R275      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                                      | RG 0009.5357.00 | PHILIPS_CO RC 22 H |                    |                    |
| R276      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                                      | RG 0009.5357.00 | PHILIPS_CO RC 22 H |                    |                    |
| R277      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                                      | RG 0009.5357.00 | PHILIPS_CO RC 22 H |                    |                    |
| R278      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                                      | RG 0009.5357.00 | PHILIPS_CO RC 22 H |                    |                    |
| R279      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                                      | RG 0009.5357.00 | PHILIPS_CO RC 22 H |                    |                    |
| R280      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                                      | RG 0009.5357.00 | PHILIPS_CO RC 22 H |                    |                    |
| ..285     | R286                                         | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603 | 0603            | RG 0009.5357.00    |                    | PHILIPS_CO RC 22 H |
| R287      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                                      | RG 0009.5357.00 | PHILIPS_CO RC 22 H |                    |                    |
| R288      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                                      | RG 0009.5357.00 | PHILIPS_CO RC 22 H |                    |                    |
| R289      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                                      | RG 0009.5357.00 | PHILIPS_CO RC 22 H |                    |                    |
| ..294     | R295                                         | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603 | 0603            | RG 0009.5357.00    | PHILIPS_CO RC 22 H |                    |
| R296      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                                      | RG 0009.5357.00 | PHILIPS_CO RC 22 H |                    |                    |
| ..298     | R299                                         | RG 20K +-1% TK100<br>SMD RESISTOR EIA0603 | 0603            | 0010.9100.00       | DRALORIC CR 0603   |                    |
| ..301     | R302                                         | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603 | 0603            | RG 0009.5357.00    | PHILIPS_CO RC 22 H |                    |
| ..307     | R308                                         | RG 56R +-1% TK100<br>SMD RESISTOR EIA0603 | 0603            | 0009.9646.00       | DRALORIC CR 0603   |                    |
| R309      | RG 12K1 +-1% TK100<br>SMD RESISTOR EIA0603   | 0603                                      | 0010.8462.00    | DRALORIC CR 0603   |                    |                    |
| R310      | RG 3K01+-1% TK100<br>SMD RESISTOR EIA0603    | 0603                                      | 0010.9298.00    | DRALORIC CR 0603   |                    |                    |
| R311      | RG 3K01+-1% TK100<br>SMD RESISTOR EIA0603    | 0603                                      | 0010.9298.00    | DRALORIC CR 0603   |                    |                    |

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| Comp. No. | Designation                                       | Stock No.       | Manufacturer | Designation         |
|-----------|---------------------------------------------------|-----------------|--------------|---------------------|
| R312      | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H             |
| R313      | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H             |
| R314      | RG 3K01+-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0010.9298.00    | DRALORIC     | CR 0603             |
| R315      | RG 3K01+-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0010.9298.00    | DRALORIC     | CR 0603             |
| R316      | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H             |
| R317      | RG 1K0 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5340.00 | PHILIPS_CO   | RC 22 H             |
| R318      | RG 1K0 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5340.00 | PHILIPS_CO   | RC 22 H             |
| R319      | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H             |
| R320      | RG 24,3 OHM+-1%TK100 0603<br>SMD RESISTOR EIA0603 | 0009.8991.00    | DRALORIC     | CR 0603             |
| R321      | RG 1K0 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5340.00 | PHILIPS_CO   | RC 22 H             |
| R322      | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H             |
| R323      | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H             |
| R324      | RG 1K0 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5340.00 | PHILIPS_CO   | RC 22 H             |
| R325      | RG 39R 1% 1W 1218<br>SMD-RESISTOR                 | 1104.2786.00    | PHILIPS_CO   | PRC201-39R 1% TK100 |
| R326      | RG 56K2 +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0010.9117.00    | DRALORIC     | CR 0603             |
| R327      | RG 0-OHM WIDERSTAND 0603<br>SMD RESISTOR EIA0603  | 0009.9369.00    | PHILIPS_CO   | RC21 0 OHM          |
| R328      | RG 56K2 +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0010.9117.00    | DRALORIC     | CR 0603             |
| R329      | RG 330R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0009.6960.00    | DRALORIC     | CR 0603             |
| R330      | RG 0-OHM WIDERSTAND 0603<br>SMD RESISTOR EIA0603  | 0009.9369.00    | PHILIPS_CO   | RC21 0 OHM          |
| R331      | RG 0-OHM WIDERSTAND 0603<br>SMD RESISTOR EIA0603  | 0009.9369.00    | PHILIPS_CO   | RC21 0 OHM          |
| R332      | RG 33R +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.6918.00    | DRALORIC     | CR 0603             |
| R333      | RG 619R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 1093.6169.00    | PHILIPS_CO   | RC 22 H             |
| R334      | RG 619R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 1093.6169.00    | PHILIPS_CO   | RC 22 H             |
| R335      | RG 432R +-1%TK100 0603<br>SMD RESISTOR EIA0603    | 0009.9098.00    | DRALORIC     | CR 0603             |
| R336      | RG 432R +-1%TK100 0603<br>SMD RESISTOR EIA0603    | 0009.9098.00    | DRALORIC     | CR 0603             |
| R337      | RG 130R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 1078.3110.00    | DRALORIC     | CR 0603             |
| R338      | RG 130R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 1078.3110.00    | DRALORIC     | CR 0603             |
| R339      | RG 560R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0009.9630.00    | DRALORIC     | CR 0603             |
| R340      | RG 560R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0009.9630.00    | DRALORIC     | CR 0603             |
| R341      | RG 301R +-1%TK100 0603<br>SMD RESISTOR EIA0603    | 0009.9123.00    | PHILIPS_CO   | RC 22 H             |
| R342      | RG 301R +-1%TK100 0603<br>SMD RESISTOR EIA0603    | 0009.9123.00    | PHILIPS_CO   | RC 22 H             |
| R343      | RG 301R +-1%TK100 0603<br>SMD RESISTOR EIA0603    | 0009.9123.00    | PHILIPS_CO   | RC 22 H             |
| R344      | RG 51,0 OHM+-1%TK100 0603<br>SMD RESISTOR EIA0603 | 0009.9030.00    | DRALORIC     | CR 0603             |
| R345      | RG 0-OHM WIDERSTAND 0603<br>SMD RESISTOR EIA0603  | 0009.9369.00    | PHILIPS_CO   | RC21 0 OHM          |
| R346      | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H             |
| R347      | RG 30K1+-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0010.9281.00    | PHILIPS_CO   | RC 22 H             |
| R348      | RG 0-OHM WIDERSTAND 0603<br>SMD RESISTOR EIA0603  | 0009.9369.00    | PHILIPS_CO   | RC21 0 OHM          |
| R349      | RG 0-OHM WIDERSTAND 0603<br>SMD RESISTOR EIA0603  | 0009.9369.00    | PHILIPS_CO   | RC21 0 OHM          |
| R350      | RG 330R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0009.6960.00    | DRALORIC     | CR 0603             |

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| Comp. No. | Designation                                    | Stock No. | Manufacturer    | Designation              | contained in |
|-----------|------------------------------------------------|-----------|-----------------|--------------------------|--------------|
| R351      | RG 51,0 OHM+-1%TK100<br>SMD RESISTOR EIA0603   | 0603      | 0009.9030.00    | DRALORIC CR 0603         |              |
| R352      | RG 33R +-1% TK100<br>SMD RESISTOR EIA0603      | 0603      | 0009.6918.00    | DRALORIC CR 0603         |              |
| R353      | RG 3K3 +-1% TK100<br>SMD RESISTOR EIA0603      | 0603      | 0009.7014.00    | DRALORIC CR 0603         |              |
| R354      | RG 33R +-1% TK100<br>SMD RESISTOR EIA0603      | 0603      | 0009.6918.00    | DRALORIC CR 0603         |              |
| R355      | CC 2,7PFO, 1PF50V NPO<br>SMD-CERAMIC-CAPACITOR | 0603      | CC 0009.8291.00 | MURATA GRM39COG***B50ZPT |              |
| R356      | CC 2,7PFO, 1PF50V NPO<br>SMD-CERAMIC-CAPACITOR | 0603      | CC 0009.8291.00 | MURATA GRM39COG***B50ZPT |              |
| R357      | RG 33R +-1% TK100<br>SMD RESISTOR EIA0603      | 0603      | 0009.6918.00    | DRALORIC CR 0603         |              |
| R358      | RG 15K +-1% TK100<br>SMD RESISTOR EIA0603      | 0603      | 0009.7043.00    | DRALORIC CR 0603         |              |
| R359      | RG 15K +-1% TK100<br>SMD RESISTOR EIA0603      | 0603      | 0009.7043.00    | DRALORIC CR 0603         |              |
| R360      | RG 12R1+-1%TK100<br>SMD RESISTOR EIA0603       | 0603      | 0010.9275.00    | PHILIPS_CO RC 22 H       |              |
| R361      | RG 47R +-1% TK100<br>SMD RESISTOR EIA0603      | 0603      | 0009.6924.00    | PHILIPS_CO RC 22 H       |              |
| R362      | RG 33R +-1% TK100<br>SMD RESISTOR EIA0603      | 0603      | 0009.6918.00    | DRALORIC CR 0603         |              |
| R363      | RG 0-OHM WIDERSTAND<br>SMD RESISTOR EIA0603    | 0603      | 0009.9369.00    | PHILIPS_CO RC21 0 OHM    |              |
| R364      | RG 33R +-1% TK100<br>SMD RESISTOR EIA0603      | 0603      | 0009.6918.00    | DRALORIC CR 0603         |              |
| R366      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603      | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H       |              |
| R367      | RG 51,0 OHM+-1%TK100<br>SMD RESISTOR EIA0603   | 0603      | 0009.9030.00    | DRALORIC CR 0603         |              |
| R368      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603      | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H       |              |
| R369      | RG 33R +-1% TK100<br>SMD RESISTOR EIA0603      | 0603      | 0009.6918.00    | DRALORIC CR 0603         |              |
| R370      | RG 33R +-1% TK100<br>SMD RESISTOR EIA0603      | 0603      | 0009.6918.00    | DRALORIC CR 0603         |              |
| R371      | RK SMD-HEISSL.220R<br>SMD-NTC-RESISTOR         | 0805      | 1039.1310.00    | SIEMENS B57620-C221-K62  |              |
| R372      | RG 33R +-1% TK100<br>SMD RESISTOR EIA0603      | 0603      | 0009.6918.00    | DRALORIC CR 0603         |              |
| R373      | RG 0-OHM WIDERSTAND<br>SMD RESISTOR EIA0603    | 0603      | 0009.9369.00    | PHILIPS_CO RC21 0 OHM    |              |
| R374      | RG 0-OHM WIDERSTAND<br>SMD RESISTOR EIA0603    | 0603      | 0009.9369.00    | PHILIPS_CO RC21 0 OHM    |              |
| R375      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603      | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H       |              |
| R376      | RG 470R +-1% TK100<br>SMD RESISTOR EIA0603     | 0603      | 0009.6976.00    | DRALORIC CR 0603         |              |
| R377      | RG 47R +-1% TK100<br>SMD RESISTOR EIA0603      | 0603      | 0009.6924.00    | PHILIPS_CO RC 22 H       |              |
| R378      | RG 470R +-1% TK100<br>SMD RESISTOR EIA0603     | 0603      | 0009.6976.00    | DRALORIC CR 0603         |              |
| R379      | RG 470R +-1% TK100<br>SMD RESISTOR EIA0603     | 0603      | 0009.6976.00    | DRALORIC CR 0603         |              |
| R380      | RG 47R +-1% TK100<br>SMD RESISTOR EIA0603      | 0603      | 0009.6924.00    | PHILIPS_CO RC 22 H       |              |
| R381      | RG 470R +-1% TK100<br>SMD RESISTOR EIA0603     | 0603      | 0009.6976.00    | DRALORIC CR 0603         |              |
| R382      | RG 470R +-1% TK100<br>SMD RESISTOR EIA0603     | 0603      | 0009.6976.00    | DRALORIC CR 0603         |              |
| R383      | RG 0-OHM WIDERSTAND<br>SMD RESISTOR EIA0603    | 0603      | 0009.9369.00    | PHILIPS_CO RC21 0 OHM    |              |
| R384      | RG 0-OHM WIDERSTAND<br>SMD RESISTOR EIA0603    | 0603      | 0009.9369.00    | PHILIPS_CO RC21 0 OHM    |              |
| R385      | RG 270R +-1% TK100<br>SMD RESISTOR EIA0603     | 0603      | 0010.9581.00    | PHILIPS_CO RC 22 H       |              |
| R386      | RG 470R +-1% TK100<br>SMD RESISTOR EIA0603     | 0603      | 0009.6976.00    | DRALORIC CR 0603         |              |
| R387      | RG 470R +-1% TK100<br>SMD RESISTOR EIA0603     | 0603      | 0009.6976.00    | DRALORIC CR 0603         |              |
| R388      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603      | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H       |              |
| R389      | RG 270R +-1% TK100<br>SMD RESISTOR EIA0603     | 0603      | 0010.9581.00    | PHILIPS_CO RC 22 H       |              |
| R390      | RG 470R +-1% TK100<br>SMD RESISTOR EIA0603     | 0603      | 0009.6976.00    | DRALORIC CR 0603         |              |
| R391      | RG 470R +-1% TK100<br>SMD RESISTOR EIA0603     | 0603      | 0009.6976.00    | DRALORIC CR 0603         |              |

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| Comp. No. | Designation                                      | Stock No.       | Manufacturer | Designation  |
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| R392      | RG 825R +-1% TK100 0603                          | 0010.8391.00    | PHILIPS_CO   | RC 22 H      |
| R393      | SMD RESISTOR EIA0603<br>RG 5K11 +-1% TK100 0603  | 1097.6334.00    | PHILIPS_CO   | RC 22 H      |
| R394      | SMD RESISTOR EIA0603<br>RS 0,25W 1KOHM +-20% SMD | RS 0007.9610.00 | BI_TECHNOL   | 23 B R... TR |
| R395      | RG POTENTIOMETER<br>RG 22K +-1% TK100 0603       | 0009.7050.00    | DRALORIC     | CR 0603      |
| R396      | SMD RESISTOR EIA0603<br>RG 4K7 +-1% TK100 0603   | 0009.7020.00    | PHILIPS_CO   | RC 22 H      |
| R397      | SMD RESISTOR EIA0603<br>RG 22K +-1% TK100 0603   | 0009.7050.00    | DRALORIC     | CR 0603      |
| R399      | SMD RESISTOR EIA0603<br>RG 22K +-1% TK100 0603   | 0009.7050.00    | DRALORIC     | CR 0603      |
| R400      | SMD RESISTOR EIA0603<br>RG 10K +-1% TK100 0603   | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H      |
| R402      | SMD RESISTOR EIA0603<br>RG 220K +-1% TK100 0603  | 0009.7108.00    | DRALORIC     | CR 0603      |
| R403      | SMD RESISTOR EIA0603<br>RG 220K +-1% TK100 0603  | 0009.7108.00    | DRALORIC     | CR 0603      |
| R404      | SMD RESISTOR EIA0603<br>RG 5K11 +-1% TK100 0603  | 1097.6334.00    | PHILIPS_CO   | RC 22 H      |
| R408      | SMD RESISTOR EIA0603<br>RG 22K +-1% TK100 0603   | 0009.7050.00    | DRALORIC     | CR 0603      |
| R409      | SMD RESISTOR EIA0603<br>RG 10K +-1% TK100 0603   | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H      |
| R410      | SMD RESISTOR EIA0603<br>RG 22K +-1% TK100 0603   | 0009.7050.00    | DRALORIC     | CR 0603      |
| R412      | SMD RESISTOR EIA0603<br>RG 10K +-1% TK100 0603   | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H      |
| R413      | SMD RESISTOR EIA0603<br>RG 3K3 +-1% TK100 0603   | 0009.7014.00    | DRALORIC     | CR 0603      |
| R414      | SMD RESISTOR EIA0603<br>RG 56K2 +-1% TK100 0603  | 0010.9117.00    | DRALORIC     | CR 0603      |
| ..416     | SMD RESISTOR EIA0603<br>RG 0-OHM WIDERSTAND 0603 | 0009.9369.00    | PHILIPS_CO   | RC21 0 OHM   |
| R419      | SMD RESISTOR EIA0603<br>RG 162 OHM+-1%TK100 0603 | 0009.9500.00    | PHILIPS_CO   | RC 22 H      |
| R420      | SMD RESISTOR EIA0603<br>RG 10K +-1% TK100 0603   | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H      |
| R424      | SMD RESISTOR EIA0603<br>RG 1K0 +-1% TK100 0603   | RG 0009.5340.00 | PHILIPS_CO   | RC 22 H      |
| R425      | SMD RESISTOR EIA0603<br>RG 1K82 +-1% TK100 0603  | 0010.8404.00    | PHILIPS_CO   | RC 22 H      |
| R426      | SMD RESISTOR EIA0603<br>RG 5K62 +-1% TK100 0603  | 0010.8433.00    | DRALORIC     | CR 0603      |
| R427      | SMD RESISTOR EIA0603<br>RG 5K62 +-1% TK100 0603  | 0010.8433.00    | DRALORIC     | CR 0603      |
| R428      | SMD RESISTOR EIA0603<br>RG 162 OHM+-1%TK100 0603 | 0009.9500.00    | PHILIPS_CO   | RC 22 H      |
| R429      | SMD RESISTOR EIA0603<br>RG 162 OHM+-1%TK100 0603 | 0009.9500.00    | PHILIPS_CO   | RC 22 H      |
| R430      | SMD RESISTOR EIA0603<br>RG 1K0 +-1% TK100 0603   | RG 0009.5340.00 | PHILIPS_CO   | RC 22 H      |
| R431      | SMD RESISTOR EIA0603<br>RG 1K0 +-1% TK100 0603   | RG 0009.5340.00 | PHILIPS_CO   | RC 22 H      |
| R432      | SMD RESISTOR EIA0603<br>RG 470R +-1% TK100 0603  | 0009.6976.00    | DRALORIC     | CR 0603      |
| R433      | SMD RESISTOR EIA0603<br>RG 432R +-1%TK100 0603   | 0009.9098.00    | DRALORIC     | CR 0603      |
| R434      | SMD RESISTOR EIA0603<br>RG 432R +-1%TK100 0603   | 0009.9098.00    | DRALORIC     | CR 0603      |
| R435      | SMD RESISTOR EIA0603<br>RG 470R +-1% TK100 0603  | 0009.6976.00    | DRALORIC     | CR 0603      |
| R436      | SMD RESISTOR EIA0603<br>RG 470R +-1% TK100 0603  | 0009.6976.00    | DRALORIC     | CR 0603      |
| R437      | SMD RESISTOR EIA0603<br>RG 1K0 +-1% TK100 0603   | RG 0009.5340.00 | PHILIPS_CO   | RC 22 H      |
| R438      | SMD RESISTOR EIA0603<br>RG 270R +-1% TK100 0603  | 0010.9581.00    | PHILIPS_CO   | RC 22 H      |
| R439      | SMD RESISTOR EIA0603<br>RG 270R +-1% TK100 0603  | 0010.9581.00    | PHILIPS_CO   | RC 22 H      |
| R440      | SMD RESISTOR EIA0603<br>RG 270R +-1% TK100 0603  | 0010.9581.00    | PHILIPS_CO   | RC 22 H      |
| R441      | SMD RESISTOR EIA0603<br>RG 270R +-1% TK100 0603  | 0010.9581.00    | PHILIPS_CO   | RC 22 H      |
| R442      | SMD RESISTOR EIA0603<br>RG 1K0 +-1% TK100 0603   | RG 0009.5340.00 | PHILIPS_CO   | RC 22 H      |
| R443      | SMD RESISTOR EIA0603                             |                 |              |              |

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| Comp. No. | Designation                                  | Stock No. | Manufacturer    | Designation                    | contained in |
|-----------|----------------------------------------------|-----------|-----------------|--------------------------------|--------------|
| R444      | RG 3K92 +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0010.8427.00    | PHILIPS_CO RC 22 H             | ManualsPlus  |
| R445      | RG 220R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0009.6953.00    | DRALORIC CR 0603               |              |
| R448      | RG 392R+-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0010.9300.00    | DRALORIC CR 0603               |              |
| R449      | RG 392R+-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0010.9300.00    | DRALORIC CR 0603               |              |
| R450      | RG 3K92 +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0010.8427.00    | PHILIPS_CO RC 22 H             |              |
| R457      | RG 47K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.7072.00    | PHILIPS_CO RC 22 H             |              |
| ..459     | RG 15K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.7043.00    | DRALORIC CR 0603               |              |
| R460      | RG 47K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.7072.00    | PHILIPS_CO RC 22 H             |              |
| R461      | RG 15K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.7043.00    | DRALORIC CR 0603               |              |
| ..464     | RG 47K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.7072.00    | PHILIPS_CO RC 22 H             |              |
| R466      | RG 15K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.7043.00    | DRALORIC CR 0603               |              |
| R468      | RG 47K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.7072.00    | PHILIPS_CO RC 22 H             |              |
| ..471     | RG 15K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.7043.00    | DRALORIC CR 0603               |              |
| R472      | RG 47K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.7072.00    | PHILIPS_CO RC 22 H             |              |
| R473      | RG 15K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.7043.00    | DRALORIC CR 0603               |              |
| ..476     | RG 47K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.7072.00    | PHILIPS_CO RC 22 H             |              |
| R478      | RG 15K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.7043.00    | DRALORIC CR 0603               |              |
| R479      | RG 15K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.7043.00    | DRALORIC CR 0603               |              |
| R481      | RG 47K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.7072.00    | PHILIPS_CO RC 22 H             |              |
| R486      | RG 15K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.7043.00    | DRALORIC CR 0603               |              |
| R487      | RG 30,1 OHM+-1%TK100<br>SMD RESISTOR EIA0603 | 0603      | 0009.9081.00    | PHILIPS_CO RC 22 H             |              |
| R488      | RG 30,1 OHM+-1%TK100<br>SMD RESISTOR EIA0603 | 0603      | 0009.9081.00    | PHILIPS_CO RC 22 H             |              |
| R489      | RG 82,5 OHM+-1%TK100<br>SMD RESISTOR EIA0603 | 0603      | 0009.9052.00    | DRALORIC CR 0603               |              |
| R495      | RG 39R 1% 1W<br>SMD-RESISTOR                 | 1218      | 1104.2786.00    | PHILIPS_CO-PRC201-39R 1% TK100 |              |
| R499      | RG 150 OHM+-1%TK100<br>RESISTOR CHIP         | 1206      | RG 0007.5589.00 | PHILIPS_CO RC02                |              |
| R514      | RG 3R32 +-1% TK250<br>SMD RESISTOR EIA0603   | 0603      | 0010.8362.00    | DRALORIC CR 0603               |              |
| R517      | RG 47R +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.6924.00    | PHILIPS_CO RC 22 H             |              |
| R519      | RG 150R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0009.6947.00    | PHILIPS_CO RC 22 H             |              |
| ..523     | RG 121 OHM+-1%TK100<br>SMD RESISTOR EIA0603  | 0603      | 0009.9498.00    | DRALORIC CR 0603               |              |
| R529      | RG 47R +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.6924.00    | PHILIPS_CO RC 22 H             |              |
| R530      | RG 150R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0009.6947.00    | PHILIPS_CO RC 22 H             |              |
| ..537     | RG 270R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0010.9581.00    | PHILIPS_CO RC 22 H             |              |
| R538      | RG 150R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0009.6947.00    | PHILIPS_CO RC 22 H             |              |
| ..542     | RG 270R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0010.9581.00    | PHILIPS_CO RC 22 H             |              |
| R543      | RG 150R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0009.6947.00    | PHILIPS_CO RC 22 H             |              |
| R544      | RG 270R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0010.9581.00    | PHILIPS_CO RC 22 H             |              |
| ..548     | RG 10R +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5328.00 | PHILIPS_CO RC 22 H             |              |
| R549      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H             |              |
| ..551     | RG 47K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.7072.00    | PHILIPS_CO RC 22 H             |              |
| R555      | RG 220K +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0009.7108.00    | DRALORIC CR 0603               |              |
| ..559     | RG 10R +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5328.00 | PHILIPS_CO RC 22 H             |              |
| R570      | RG 1K +-1% TK100<br>SMD RESISTOR EIA0603     | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H             |              |
| R571      | RG 47K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.7072.00    | PHILIPS_CO RC 22 H             |              |
| R572      | RG 47K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.7072.00    | PHILIPS_CO RC 22 H             |              |
| ..575     | RG 0-OHM WIDERSTAND<br>SMD RESISTOR EIA0603  | 0603      | 0009.9369.00    | PHILIPS_CO RC21 0 OHM          |              |

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ROHDE & SCHWARZ

| Comp. No. | Designation                                  | Stock No. | Manufacturer    | Designation           | contained in |
|-----------|----------------------------------------------|-----------|-----------------|-----------------------|--------------|
| R604      | RG 1MO +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | DRALORIC        | CR 0603               |              |
| R605      | RG 1MO +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | DRALORIC        | CR 0603               |              |
| R608      | RS 0,25W10KOHM +-20% SMD<br>POTENTIOMETER    |           | BI_TECHNOL      | 23 B R... TR          |              |
| R609      | RG 110 OHM+-1%TK100<br>SMD RESISTOR EIA0603  | 0603      | 0009.9481.00    | DRALORIC CR 0603      |              |
| R610      | RG 110 OHM+-1%TK100<br>SMD RESISTOR EIA0603  | 0603      | 0009.9481.00    | DRALORIC CR 0603      |              |
| R615      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H    |              |
| R616      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H    |              |
| R617      | RG 0-OHM WIDERSTAND<br>SMD RESISTOR EIA0603  | 0603      | 0009.9369.00    | PHILIPS_CO RC21 0 OHM |              |
| R619      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H    |              |
| R621      | RG 560R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0009.9630.00    | DRALORIC CR 0603      |              |
| R624      | RG 51,0 OHM+-1%TK100<br>SMD RESISTOR EIA0603 | 0603      | 0009.9030.00    | DRALORIC CR 0603      |              |
| R625      | RG 0-OHM WIDERSTAND<br>SMD RESISTOR EIA0603  | 0603      | 0009.9369.00    | PHILIPS_CO RC21 0 OHM |              |
| R626      | RG 15K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.7043.00    | DRALORIC CR 0603      |              |
| R628      | RG 5K11 +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 1097.6334.00    | PHILIPS_CO RC 22 H    |              |
| ..631     | RG 2K2 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.7008.00    | PHILIPS_CO RC 22 H    |              |
| R633      | RG 2K2 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.7008.00    | PHILIPS_CO RC 22 H    |              |
| R634      | RG 2K2 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.7008.00    | PHILIPS_CO RC 22 H    |              |
| R635      | RG 12,0KOH+-0,1%TK25<br>SMD-RESISTOR         | 1206      | 0009.7620.00    | PHILIPS_CO MPC 01     |              |
| R636      | RG 22K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.7050.00    | DRALORIC CR 0603      |              |
| R637      | RG 22K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.7050.00    | DRALORIC CR 0603      |              |
| R638      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H    |              |
| R639      | RG 22K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.7050.00    | DRALORIC CR 0603      |              |
| R644      | RG 22K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.7050.00    | DRALORIC CR 0603      |              |
| R648      | RG 22K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.7050.00    | DRALORIC CR 0603      |              |
| R649      | RG 22K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.7050.00    | DRALORIC CR 0603      |              |
| R655      | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H    |              |
| R659      | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H    |              |
| R660      | RG 330R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0009.6960.00    | DRALORIC CR 0603      |              |
| R661      | RG 330R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0009.6960.00    | DRALORIC CR 0603      |              |
| R662      | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H    |              |
| ..664     | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H    |              |
| R672      | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H    |              |
| R675      | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H    |              |
| R676      | RG 1K82 +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0010.8404.00    | PHILIPS_CO RC 22 H    |              |
| R681      | RG 2K2 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.7008.00    | PHILIPS_CO RC 22 H    |              |
| R689      | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H    |              |
| ..692     | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H    |              |
| R699      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 1097.6334.00    | PHILIPS_CO RC 22 H    |              |
| R712      | RG 5K11 +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H    |              |
| R722      | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 1097.6334.00    | PHILIPS_CO RC 22 H    |              |
| R725      | RG 5K11 +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 1097.6334.00    | PHILIPS_CO RC 22 H    |              |
| R727      | RG 5K11 +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 1097.6334.00    | PHILIPS_CO RC 22 H    |              |

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| Comp. No.             | Designation                                                                              | Stock No. | Manufacturer    | Designation           | contained in |
|-----------------------|------------------------------------------------------------------------------------------|-----------|-----------------|-----------------------|--------------|
| R731<br>..733<br>R735 | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603<br>RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H    |              |
| R736                  | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603                                                | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H    |              |
| R737                  | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603                                                | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H    |              |
| R738                  | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603                                                | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H    |              |
| R739<br>..742<br>R744 | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603<br>RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H    |              |
| R745                  | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603                                                | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H    |              |
| R748<br>..755<br>R761 | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603<br>RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H    |              |
| R762                  | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603                                                | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H    |              |
| R764                  | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603                                                | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H    |              |
| R765                  | RG 20K +-1% TK100<br>SMD RESISTOR EIA0603                                                | 0603      | 0010.9100.00    | DRALORIC CR 0603      |              |
| R766                  | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603                                                | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H    |              |
| R767                  | RG 470R +-1% TK100<br>SMD RESISTOR EIA0603                                               | 0603      | 0009.6976.00    | DRALORIC CR 0603      |              |
| R768                  | RG 470R +-1% TK100<br>SMD RESISTOR EIA0603                                               | 0603      | 0009.6976.00    | DRALORIC CR 0603      |              |
| R769                  | RG 47K +-1% TK100<br>SMD RESISTOR EIA0603                                                | 0603      | 0009.7072.00    | PHILIPS_CO RC 22 H    |              |
| R775                  | RG 4K7 +-1% TK100<br>SMD RESISTOR EIA0603                                                | 0603      | 0009.7020.00    | PHILIPS_CO RC 22 H    |              |
| R776                  | RG 12R1+-1%TK100<br>SMD RESISTOR EIA0603                                                 | 0603      | 0010.9275.00    | PHILIPS_CO RC 22 H    |              |
| R777                  | RG 100R +-1% TK100<br>SMD RESISTOR EIA0603                                               | 0603      | RG 0009.5334.00 | PHILIPS_CO RC 22 H    |              |
| R778                  | RG 0-OHM WIDERSTAND<br>SMD RESISTOR EIA0603                                              | 0603      | 0009.9369.00    | PHILIPS_CO RC21 O OHM |              |
| R780                  | RG 47K +-1% TK100<br>SMD RESISTOR EIA0603                                                | 0603      | 0009.7072.00    | PHILIPS_CO RC 22 H    |              |
| R782                  | RG 47K +-1% TK100<br>SMD RESISTOR EIA0603                                                | 0603      | 0009.7072.00    | PHILIPS_CO RC 22 H    |              |
| R784                  | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603                                                | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H    |              |
| R785                  | RG 2K0 +-1% TK100<br>SMD RESISTOR EIA0603                                                | 0603      | 1097.6328.00    | DRALORIC CR 0603      |              |
| R787                  | RG 1K5 +-1% TK100<br>SMD RESISTOR EIA0603                                                | 0603      | 0009.6999.00    | DRALORIC CR 0603      |              |
| R788                  | RG 1K5 +-1% TK100<br>SMD RESISTOR EIA0603                                                | 0603      | 0009.6999.00    | DRALORIC CR 0603      |              |
| R791                  | RG 51,0 OHM+-1%TK100<br>SMD RESISTOR EIA0603                                             | 0603      | 0009.9030.00    | DRALORIC CR 0603      |              |
| R793                  | RG 51,0 OHM+-1%TK100<br>SMD RESISTOR EIA0603                                             | 0603      | 0009.9030.00    | DRALORIC CR 0603      |              |
| R794                  | RG 39R2 +-1% TK100<br>SMD RESISTOR EIA0603                                               | 0603      | 0010.9400.00    | DRALORIC CR 0603      |              |
| R798                  | RG 15K +-1% TK100<br>SMD RESISTOR EIA0603                                                | 0603      | 0009.7043.00    | DRALORIC CR 0603      |              |
| R799<br>..803<br>R805 | RG 100K +-1% TK100<br>SMD RESISTOR EIA0603<br>RG 6K8 +-1% TK100<br>SMD RESISTOR EIA0603  | 0603      | RG 0009.5363.00 | DRALORIC CR 0603      |              |
| R808                  | RG 100K +-1% TK100<br>SMD RESISTOR EIA0603                                               | 0603      | RG 0009.5363.00 | DRALORIC CR 0603      |              |
| R809                  | RG 100K +-1% TK100<br>SMD RESISTOR EIA0603                                               | 0603      | RG 0009.5363.00 | DRALORIC CR 0603      |              |
| R812                  | RG 100K +-1% TK100<br>SMD RESISTOR EIA0603                                               | 0603      | RG 0009.5363.00 | DRALORIC CR 0603      |              |
| R817<br>..820<br>R821 | RG 100K +-1% TK100<br>SMD RESISTOR EIA0603<br>RG 100R +-1% TK100<br>SMD RESISTOR EIA0603 | 0603      | RG 0009.5363.00 | DRALORIC CR 0603      |              |
| R822                  | RG 100R +-1% TK100<br>SMD RESISTOR EIA0603                                               | 0603      | RG 0009.5334.00 | PHILIPS_CO RC 22 H    |              |

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| R826      | RG 12R1+-1%TK100<br>SMD RESISTOR EIA0603     | 0603      | 0010.9275.00    | PHILIPS_CO RC 22 H      |              |
| R827      | RG 22R +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.6901.00    | DRALORIC CR 0603        |              |
| R828      | RG 12R1+-1%TK100<br>SMD RESISTOR EIA0603     | 0603      | 0010.9275.00    | PHILIPS_CO RC 22 H      |              |
| R830      | RG 82K5 +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0010.9123.00    | DRALORIC CR 0603        |              |
| R833      | RG 4K7 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.7020.00    | PHILIPS_CO RC 22 H      |              |
| R835      | RG 4K7 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.7020.00    | PHILIPS_CO RC 22 H      |              |
| R836      | RG 4K7 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.7020.00    | PHILIPS_CO RC 22 H      |              |
| R841      | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H      |              |
| R842      | RG 4K7 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.7020.00    | PHILIPS_CO RC 22 H      |              |
| R845      | RG 3K3 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.7014.00    | DRALORIC CR 0603        |              |
| R848      | RS 0,25W50KOHM +-20% SMD<br>POTENTIOMETER    |           | RS 0007.9661.00 | BI_TECHNOL 23 B R... TR |              |
| R853      | RG 392R+-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0010.9300.00    | DRALORIC CR 0603        |              |
| R854      | RG 18K2+-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0010.9317.00    | DRALORIC CR 0603        |              |
| R855      | RG 20K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0010.9100.00    | DRALORIC CR 0603        |              |
| R856      | RG 2K0 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 1097.6328.00    | DRALORIC CR 0603        |              |
| R857      | RG 20K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0010.9100.00    | DRALORIC CR 0603        |              |
| R858      | RG 20K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0010.9100.00    | DRALORIC CR 0603        |              |
| R861      | RG 24,3 OHM+-1%TK100<br>SMD RESISTOR EIA0603 | 0603      | 0009.8991.00    | DRALORIC CR 0603        |              |
| R862      | RG 33K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.7066.00    | PHILIPS_CO RC 22 H      |              |
| R866      | RG 20K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0010.9100.00    | DRALORIC CR 0603        |              |
| R867      | RG 100K +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5363.00 | DRALORIC CR 0603        |              |
| R870      | RG 20K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0010.9100.00    | DRALORIC CR 0603        |              |
| R872      | RG 20K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0010.9100.00    | DRALORIC CR 0603        |              |
| R873      | RG 20K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0010.9100.00    | DRALORIC CR 0603        |              |
| R874      | RG 13K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 1097.6428.00    | PHILIPS_CO RC 22 H      |              |
| R880      | RG 10,0KOH+-0,1%TK25<br>SMD-RESISTOR         | 1206      | 0009.7666.00    | PHILIPS_CO MPC 01       |              |
| R881      | RG 10,0KOH+-0,1%TK25<br>SMD-RESISTOR         | 1206      | 0009.7666.00    | PHILIPS_CO MPC 01       |              |
| R883      | RG 10,0KOH+-0,1%TK25<br>SMD-RESISTOR         | 1206      | 0009.7666.00    | PHILIPS_CO MPC 01       |              |
| R885      | RG 100R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5334.00 | PHILIPS_CO RC 22 H      |              |
| R886      | RG 35,7 OHM+-1%TK100<br>SMD RESISTOR EIA0603 | 0603      | 0009.9000.00    | PHILIPS_CO RC 22 H      |              |
| R891      | RG 24,3 OHM+-1%TK100<br>SMD RESISTOR EIA0603 | 0603      | 0009.8991.00    | DRALORIC CR 0603        |              |
| R894      | RG 39R2 +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0010.9400.00    | DRALORIC CR 0603        |              |
| R895      | RG 22R +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.6901.00    | DRALORIC CR 0603        |              |
| R896      | RG 121 OHM+-1%TK100<br>SMD RESISTOR EIA0603  | 0603      | 0009.9498.00    | DRALORIC CR 0603        |              |
| R897      | RG 39R2 +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0010.9400.00    | DRALORIC CR 0603        |              |
| R899      | RG 39R2 +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0010.9400.00    | DRALORIC CR 0603        |              |
| R902      | RG 24,3 OHM+-1%TK100<br>SMD RESISTOR EIA0603 | 0603      | 0009.8991.00    | DRALORIC CR 0603        |              |
| R903      | RG 24,3 OHM+-1%TK100<br>SMD RESISTOR EIA0603 | 0603      | 0009.8991.00    | DRALORIC CR 0603        |              |
| R914      | RG 24,3 OHM+-1%TK100<br>SMD RESISTOR EIA0603 | 0603      | 0009.8991.00    | DRALORIC CR 0603        |              |

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| R919<br>..921<br>R924    | RG 24,3 OHM+-1%TK100<br>SMD RESISTOR EIA0603<br>RG 24,3 OHM+-1%TK100<br>SMD RESISTOR EIA0603 | 0603<br>0603 | 0009.8991.00<br>0009.8991.00 | DRALORIC<br>DRALORIC   | CR 0603<br>CR 0603       |
| R925                     | RG 24,3 OHM+-1%TK100<br>SMD RESISTOR EIA0603                                                 | 0603         | 0009.8991.00                 | DRALORIC               | CR 0603                  |
| R928                     | RK SMD-HEISSL.100K<br>SMD-NTC-RESISTOR                                                       | 1206         | 0008.9236.00                 | SIEMENS                | B57621-C104-J            |
| R929<br>..931<br>R934    | RK SMD-HEISSL.100K<br>SMD-NTC-RESISTOR<br>RG 24,3 OHM+-1%TK100<br>SMD RESISTOR EIA0603       | 1206<br>0603 | 0008.9236.00<br>0009.8991.00 | SIEMENS<br>DRALORIC    | B57621-C104-J<br>CR 0603 |
| R935                     | RG 24,3 OHM+-1%TK100<br>SMD RESISTOR EIA0603                                                 | 0603         | 0009.8991.00                 | DRALORIC               | CR 0603                  |
| R938                     | RK SMD-HEISSL.100K<br>SMD-NTC-RESISTOR                                                       | 1206         | 0008.9236.00                 | SIEMENS                | B57621-C104-J            |
| R939                     | RG 33K +-1% TK100<br>SMD RESISTOR EIA0603                                                    | 0603         | 0009.7066.00                 | PHILIPS_CO             | RC 22 H                  |
| R940                     | RG 33K +-1% TK100<br>SMD RESISTOR EIA0603                                                    | 0603         | 0009.7066.00                 | PHILIPS_CO             | RC 22 H                  |
| R946                     | RG 47K +-1% TK100<br>SMD RESISTOR EIA0603                                                    | 0603         | 0009.7072.00                 | PHILIPS_CO             | RC 22 H                  |
| R954                     | RG 4K7 +-1% TK100<br>SMD RESISTOR EIA0603                                                    | 0603         | 0009.7020.00                 | PHILIPS_CO             | RC 22 H                  |
| R955                     | RG 4K7 +-1% TK100<br>SMD RESISTOR EIA0603                                                    | 0603         | 0009.7020.00                 | PHILIPS_CO             | RC 22 H                  |
| R956                     | RG 0-OHM WIDERSTAND<br>SMD RESISTOR EIA0603                                                  | 0603         | 0009.9369.00                 | PHILIPS_CO             | RC21 0 OHM               |
| R958                     | RG 0-OHM WIDERSTAND<br>SMD RESISTOR EIA0603                                                  | 0603         | 0009.9369.00                 | PHILIPS_CO             | RC21 0 OHM               |
| R959                     | RG 0-OHM WIDERSTAND<br>SMD RESISTOR EIA0603                                                  | 0603         | 0009.9369.00                 | PHILIPS_CO             | RC21 0 OHM               |
| R960<br>..963<br>R964    | RG 1R +-1% TK250<br>SMD RESISTOR EIA0603<br>RG 0-OHM WIDERSTAND<br>SMD RESISTOR EIA0603      | 0603<br>0603 | 0048.4187.00<br>0009.9369.00 | DRALORIC<br>PHILIPS_CO | CR 0603<br>RC21 0 OHM    |
| R967                     | RG 0-OHM WIDERSTAND<br>SMD RESISTOR EIA0603                                                  | 0603         | 0009.9369.00                 | PHILIPS_CO             | RC21 0 OHM               |
| R968                     | RG 0-OHM WIDERSTAND<br>SMD RESISTOR EIA0603                                                  | 0603         | 0009.9369.00                 | PHILIPS_CO             | RC21 0 OHM               |
| R1006                    | RG 33OR +-1% TK100<br>SMD RESISTOR EIA0603                                                   | 0603         | 0009.6960.00                 | DRALORIC               | CR 0603                  |
| R1007                    | RG 0-OHM WIDERSTAND<br>SMD RESISTOR EIA0603                                                  | 0603         | 0009.9369.00                 | PHILIPS_CO             | RC21 0 OHM               |
| R1008                    | RG 12K1 +-1% TK100<br>SMD RESISTOR EIA0603                                                   | 0603         | 0010.8462.00                 | DRALORIC               | CR 0603                  |
| R1310                    | RG 0-OHM WIDERSTAND<br>RESISTOR CHIP 0-OHM                                                   | 1206         | RG 0007.5108.00              | DRALORIC               | CR 1206                  |
| R1311<br>..1317<br>R1318 | RK SMD-HEISSL.220R<br>SMD-NTC-RESISTOR<br>RL 0.40W 15,0KOHM+-1%TK50<br>RESISTOR              | 0805         | 1039.1310.00                 | SIEMENS                | B57620-C221-K62          |
| R1319                    | RK SMD-HEISSL.220R<br>SMD-NTC-RESISTOR                                                       | 0805         | 1039.1310.00                 | SIEMENS                | B57620-C221-K62          |
| R1320                    | RK SMD-HEISSL.100K<br>SMD-NTC-RESISTOR                                                       | 1206         | 0008.9236.00                 | SIEMENS                | B57621-C104-J            |
| R1330                    | RG 51K1 +-1% TK100<br>SMD RESISTOR EIA0603                                                   | 0603         | 1097.6486.00                 | DRALORIC               | CR 0603                  |
| R1331                    | RG 150 OHM+-1%TK100<br>RESISTOR CHIP                                                         | 1206         | RG 0007.5589.00              | PHILIPS_CO             | RC02                     |
| R1340<br>..1351          | RG 1MO +-1% TK100<br>SMD RESISTOR EIA0603                                                    | 0603         | RG 0009.5370.00              | DRALORIC               | CR 0603                  |
| S1                       | BM HMC158C8 VERDOPPLER<br>FREQUENCY DOUBLER                                                  |              | 1085.2151.00                 | HITTITE_MI             | HMC158C8                 |
| S2                       | BM SSW-124 SPDTSWITCH<br>GAAS RF-SWITCH                                                      |              | 1085.2222.00                 | STANFORD_M             | SSW-124                  |
| S3                       | BM SSW-124 SPDTSWITCH<br>GAAS RF-SWITCH                                                      |              | 1085.2222.00                 | STANFORD_M             | SSW-124                  |
| U5                       | BO LM2903D 2XLP COMPAR<br>DUAL                                                               |              | 0520.7734.00                 | SIGNETICS              | LM2903(D)                |
| U6                       | BO LM2903D 2XLP COMPAR<br>DUAL                                                               |              | 0520.7734.00                 | SIGNETICS              | LM2903(D)                |
| U7                       | ER JPS-2-1W 2WEG-L.TEILER<br>2WAY POWER DIVIDER                                              |              | 1085.1603.00                 | MINI-CIRCU             | JPS-2-1W                 |
| U8                       | ER JPS-2-1W 2WEG-L.TEILER<br>2WAY POWER DIVIDER                                              |              | 1085.1603.00                 | MINI-CIRCU             | JPS-2-1W                 |

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| U9        | BM MC2320 MIXER                                     | 1085.2139.00    | WATKINS-JO   | MC2320               |              |
| U10       | MIXER MODULE<br>BM SME1400B-17 MIXER<br>MIXER MODUL | 1085.2145.00    | WATKINS-JO   | SME1400B-17          |              |
| V1        | AE BAR64-04 CA 2X PIN                               | 1039.1327.00    | SIEMENS      | BAR6404 (Q62702-A101 |              |
| ..9       | SILICON PIN DIODE                                   |                 |              |                      |              |
| V10       | AK BC860B P 45V 200MA                               | AK 0007.7975.00 | MOTOROLA     | BC860B               |              |
|           | TRANSISTOR                                          |                 |              |                      |              |
| V11       | AK BC860B P 45V 200MA                               | AK 0007.7975.00 | MOTOROLA     | BC860B               |              |
|           | TRANSISTOR                                          |                 |              |                      |              |
| V12       | AE BZX284-B5V6 0,4W ZDI                             | 0048.4129.00    | PHILIPS_SE   | BZX284-B5V6          |              |
|           | ZENER DIODE                                         |                 |              |                      |              |
| V13       | AE BZX284-B5V6 0,4W ZDI                             | 0048.4129.00    | PHILIPS_SE   | BZX284-B5V6          |              |
|           | ZENER DIODE                                         |                 |              |                      |              |
| V14       | AD BAS16 75V UDI                                    | AD 0007.4924.00 | VALVO        | BAS16 (A6P)          |              |
| ..17      | HIGH-SPEED DIODE                                    |                 |              |                      |              |
| V18       | AK BC860B P 45V 200MA                               | AK 0007.7975.00 | MOTOROLA     | BC860B               |              |
|           | TRANSISTOR                                          |                 |              |                      |              |
| V19       | AK BFP450 NPN 4,5V 100MA                            | 4048.1483.00    | SIEMENS      | BFP450 (-F1590)      |              |
|           | RF-TRANSISTOR NPN                                   |                 |              |                      |              |
| V20       | AK BFP450 NPN 4,5V 100MA                            | 4048.1483.00    | SIEMENS      | BFP450 (-F1590)      |              |
|           | RF-TRANSISTOR NPN                                   |                 |              |                      |              |
| V21       | AE BZX284-B6V8 0,4W ZDI                             | 0048.3545.00    | PHILIPS_SE   | BZX284-B6V8          |              |
|           | ZENER DIODE                                         |                 |              |                      |              |
| V22       | AE BZX284-B6V8 0,4W ZDI                             | 0048.3545.00    | PHILIPS_SE   | BZX284-B6V8          |              |
|           | ZENER DIODE                                         |                 |              |                      |              |
| V23       | AD BAS16 75V UDI                                    | AD 0007.4924.00 | VALVO        | BAS16 (A6P)          |              |
|           | HIGH-SPEED DIODE                                    |                 |              |                      |              |
| V24       | AD BAS16 75V UDI                                    | AD 0007.4924.00 | VALVO        | BAS16 (A6P)          |              |
|           | HIGH-SPEED DIODE                                    |                 |              |                      |              |
| V25       | AE BAT15-03W SCHOTTKY                               | 1085.1526.00    | SIEMENS      | BAT15-03W (-A1104)   |              |
|           | SCHOTTKY DIODE                                      |                 |              |                      |              |
| V26       | AK BC850B N 45V 200MA                               | AK 0007.7969.00 | VALVO        | BC850B               |              |
| ..28      | TRANSISTOR                                          |                 |              |                      |              |
| V29       | AE BZV55/C5V1 0.5W ZDI                              | AE 0006.9839.00 | PHILIPS_SE   | BZV55B5V1 (GEG)      |              |
|           | ZENER DIODE                                         |                 |              |                      |              |
| V30       | AK BC857S 2XP 45V 100MA                             | 1100.4349.00    | SIEMENS      | BC857S (Q62702-2373) |              |
|           | PNP TRANSISTOR ARRAY                                |                 |              |                      |              |
| V31       | AE BZX284-B6V8 0,4W ZDI                             | 0048.3545.00    | PHILIPS_SE   | BZX284-B6V8          |              |
|           | ZENER DIODE                                         |                 |              |                      |              |
| V32       | AK BC857S 2XP 45V 100MA                             | 1100.4349.00    | SIEMENS      | BC857S (Q62702-2373) |              |
|           | PNP TRANSISTOR ARRAY                                |                 |              |                      |              |
| V33       | AE BZX284-B5V1 0,4W ZDI                             | 0048.3516.00    | PHILIPS_SE   | BZX284-B5V1          |              |
|           | ZENER DIODE                                         |                 |              |                      |              |
| V34       | AK BC857S 2XP 45V 100MA                             | 1100.4349.00    | SIEMENS      | BC857S (Q62702-2373) |              |
| ..37      | PNP TRANSISTOR ARRAY                                |                 |              |                      |              |
| V38       | AE BAR63-03W PIN                                    | 1051.4851.00    | SIEMENS      | BAR63-03W (-A1025)   |              |
|           | PIN DIODE                                           |                 |              |                      |              |
| V39       | AE BZX284-B8V2 0,4W ZDI                             | 0048.4306.00    | PHILIPS_SE   | BZX284-B8V2          |              |
|           | ZENER DIODE                                         |                 |              |                      |              |
| V40       | AE BZX284-B8V2 0,4W ZDI                             | 0048.4306.00    | PHILIPS_SE   | BZX284-B8V2          |              |
|           | ZENER DIODE                                         |                 |              |                      |              |
| V41       | AK BC857S 2XP 45V 100MA                             | 1100.4349.00    | SIEMENS      | BC857S (Q62702-2373) |              |
| ..49      | PNP TRANSISTOR ARRAY                                |                 |              |                      |              |
| V50       | AE HSMS2800 SCHOTTKY                                | AE 0836.8421.00 | HEWLETT_PA   | HSMS-2800(#L31)      |              |
|           | SCHOTTKY DIODE                                      |                 |              |                      |              |
| V51       | AE HSMS2800 SCHOTTKY                                | AE 0836.8421.00 | HEWLETT_PA   | HSMS-2800(#L31)      |              |
|           | SCHOTTKY DIODE                                      |                 |              |                      |              |
| V52       | AE BZX284-B5V6 0,4W ZDI                             | 0048.4129.00    | PHILIPS_SE   | BZX284-B5V6          |              |
|           | ZENER DIODE                                         |                 |              |                      |              |
| V53       | AE BB833 9,3/0,75PF CDI                             | 1051.4751.00    | SIEMENS      | BB833 (-B628)        |              |
|           | VARACTOR                                            |                 |              |                      |              |
| V54       | AE BB833 9,3/0,75PF CDI                             | 1051.4751.00    | SIEMENS      | BB833 (-B628)        |              |
|           | VARACTOR                                            |                 |              |                      |              |
| V55       | AK BC857S 2XP 45V 100MA                             | 1100.4349.00    | SIEMENS      | BC857S (Q62702-2373) |              |
|           | PNP TRANSISTOR ARRAY                                |                 |              |                      |              |
| V56       | AK BC857S 2XP 45V 100MA                             | 1100.4349.00    | SIEMENS      | BC857S (Q62702-2373) |              |
|           | PNP TRANSISTOR ARRAY                                |                 |              |                      |              |
| V57       | AE BZX284-B5V1 0,4W ZDI                             | 0048.3516.00    | PHILIPS_SE   | BZX284-B5V1          |              |
|           | ZENER DIODE                                         |                 |              |                      |              |
| V58       | AE BZX284-B10 0,4W ZDI                              | 0048.3551.00    | PHILIPS_SE   | BZX284-B10           |              |
|           | ZENER DIODE                                         |                 |              |                      |              |
| V59       | AE BB833 9,3/0,75PF CDI                             | 1051.4751.00    | SIEMENS      | BB833 (-B628)        |              |
|           | VARACTOR                                            |                 |              |                      |              |
| V60       | AE BAR63-03W PIN                                    | 1051.4851.00    | SIEMENS      | BAR63-03W (-A1025)   |              |
|           | PIN DIODE                                           |                 |              |                      |              |

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|  |          | 14 | 22.09.99      | EE 6-GHZ-ERWEITERUNG<br>6GHZ EXTENSION | <b>1084.9600.01 SA</b>  | 41+               |

| Zeichn.-<br>Comp. No. | Bezeichnung<br>Designation                      | Stock No.       | Manufacturer | Designation           | contained in |
|-----------------------|-------------------------------------------------|-----------------|--------------|-----------------------|--------------|
| V61                   | AE BZX284-B5V1 0,4W ZDI<br>ZENER DIODE          | 0048.3516.00    | PHILIPS_SE   | BZX284-B5V1           |              |
| V62                   | AE BZX284-B3V3 0,4W ZDI<br>ZENER DIODE          | 0048.3474.00    | PHILIPS_SE   | BZX284-B3V3           |              |
| V63                   | AE BAR63-03W PIN<br>PIN DIODE                   | 1051.4851.00    | SIEMENS      | BAR63-03W (-A1025)    |              |
| V64                   | AE BZX284-B6V2 0,4W ZDI<br>ZENER DIODE          | 0048.5348.00    | PHILIPS_SE   | BZX284-B6V2           |              |
| V65                   | AE BZX284-B6V2 0,4W ZDI<br>ZENER DIODE          | 0048.5348.00    | PHILIPS_SE   | BZX284-B6V2           |              |
| V66                   | AD BAS16 75V UDI<br>HIGH-SPEED DIODE            | AD 0007.4924.00 | VALVO        | BAS16 (A6P)           |              |
| V67                   | AE BAR63-03W PIN<br>PIN DIODE                   | 1051.4851.00    | SIEMENS      | BAR63-03W (-A1025)    |              |
| V70                   | AE BZX284-B5V1 0,4W ZDI<br>ZENER DIODE          | 0048.3516.00    | PHILIPS_SE   | BZX284-B5V1           |              |
| V71                   | AE BAR63-03W PIN<br>PIN DIODE                   | 1051.4851.00    | SIEMENS      | BAR63-03W (-A1025)    |              |
| V72                   | AE BAR63-03W PIN<br>PIN DIODE                   | 1051.4851.00    | SIEMENS      | BAR63-03W (-A1025)    |              |
| V73                   | AE BAT15-03W SCHOTTKY<br>SCHOTTKY DIODE         | 1085.1526.00    | SIEMENS      | BAT15-03W (-A1104)    |              |
| V74                   | AE BZX284-B3V3 0,4W ZDI<br>ZENER DIODE          | 0048.3474.00    | PHILIPS_SE   | BZX284-B3V3           |              |
| V75                   | AE BAT15-03W SCHOTTKY<br>SCHOTTKY DIODE         | 1085.1526.00    | SIEMENS      | BAT15-03W (-A1104)    |              |
| V76                   | AE BAR63-03W PIN<br>PIN DIODE                   | 1051.4851.00    | SIEMENS      | BAR63-03W (-A1025)    |              |
| V77                   | AE BAR63-03W PIN<br>PIN DIODE                   | 1051.4851.00    | SIEMENS      | BAR63-03W (-A1025)    |              |
| V78                   | AE BAT15-03W SCHOTTKY<br>SCHOTTKY DIODE         | 1085.1526.00    | SIEMENS      | BAT15-03W (-A1104)    |              |
| V79                   | AE BAR63-03W PIN<br>PIN DIODE                   | 1051.4851.00    | SIEMENS      | BAR63-03W (-A1025)    |              |
| V80                   | AE BAR63-03W PIN<br>PIN DIODE                   | 1051.4851.00    | SIEMENS      | BAR63-03W (-A1025)    |              |
| V81                   | AE BAT15-03W SCHOTTKY<br>SCHOTTKY DIODE         | 1085.1526.00    | SIEMENS      | BAT15-03W (-A1104)    |              |
| V82                   | AE BAT15-03W SCHOTTKY<br>SCHOTTKY DIODE         | 1085.1526.00    | SIEMENS      | BAT15-03W (-A1104)    |              |
| V83                   | AD BAV99 75V DUO UDI<br>HIGH-SPEED DOUBLE DIODE | AD 0911.0092.00 | VALVO        | BAV99                 |              |
| V84                   | AE BB833 9,3/0,75PF CDI<br>VARACTOR             | 1051.4751.00    | SIEMENS      | BB833 (-B628)         |              |
| V85                   | AE BB833 9,3/0,75PF CDI<br>VARACTOR             | 1051.4751.00    | SIEMENS      | BB833 (-B628)         |              |
| V86                   | AD BAS216 75V UDI<br>HIGHSPEED SWITCHING DIODE  | 0010.9346.00    | PHILIPS_SE   | BAS216                |              |
| V87                   | AK BFP450 NPN 4,5V 100MA<br>RF-TRANSISTOR NPN   | 4048.1483.00    | SIEMENS      | BFP450 (-F1590)       |              |
| V90                   | AM SHFO186 9V GAASF<br>0.5-12GHZ GAAS FET       | 1085.2268.00    | STANFORD_M   | SHF-0186              |              |
| V91                   | AM SHFO186K 9V GAASF<br>0.5-4GHZ GAAS FET       | 1085.1655.00    | STANFORD_M   | SHF-0186K4230TR       |              |
| V92                   | AM SHFO186 9V GAASF<br>0.5-12GHZ GAAS FET       | 1085.2268.00    | STANFORD_M   | SHF-0186              |              |
| V94                   | AM SHFO186 9V GAASF<br>0.5-12GHZ GAAS FET       | 1085.2268.00    | STANFORD_M   | SHF-0186              |              |
| V95                   | AM SHFO186 9V GAASF<br>0.5-12GHZ GAAS FET       | 1085.2268.00    | STANFORD_M   | SHF-0186              |              |
| V104                  | AD BAV99 75V DUO UDI<br>HIGH-SPEED DOUBLE DIODE | AD 0911.0092.00 | VALVO        | BAV99                 |              |
| V105                  | AD BAV99 75V DUO UDI<br>HIGH-SPEED DOUBLE DIODE | AD 0911.0092.00 | VALVO        | BAV99                 |              |
| V116                  | AE BZX284-B5V1 0,4W ZDI<br>ZENER DIODE          | 0048.3516.00    | PHILIPS_SE   | BZX284-B5V1           |              |
| V117                  | AE BAR63-04 CA 2X PIN<br>DUAL PIN DIODE         | 1039.1491.00    | SIEMENS      | BAR63-04 (-A1037)     |              |
| V131                  | AE BAR64-04 CA 2X PIN<br>SILICON PIN DIODE      | 1039.1327.00    | SIEMENS      | BAR6404 (Q62702-A101) |              |
| V137                  | AK BC850B N 45V 200MA<br>TRANSISTOR             | AK 0007.7969.00 | VALVO        | BC850B                |              |
| V138                  | AK BC850B N 45V 200MA<br>TRANSISTOR             | AK 0007.7969.00 | VALVO        | BC850B                |              |
| V143                  | AE HSMS2800 SCHOTTKY<br>SCHOTTKY DIODE          | AE 0836.8421.00 | HEWLETT_PA   | HSMS-2800 (#L31)      |              |
| V147                  | AE HSMS2800 SCHOTTKY<br>SCHOTTKY DIODE          | AE 0836.8421.00 | HEWLETT_PA   | HSMS-2800 (#L31)      |              |

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| Comp. No.     | Designation                                        | Stock No.       | Manufacturer | Designation         |
|---------------|----------------------------------------------------|-----------------|--------------|---------------------|
| V157          | AK BCP68-16 N 20V TRANS<br>MEDIUM POWER TRANSISTOR | 0008.2019.00    | PHILIPS      | BCP68-25            |
| V159          | AK BCP68-16 N 20V TRANS<br>MEDIUM POWER TRANSISTOR | 0008.2019.00    | PHILIPS      | BCP68-25            |
| V160<br>..168 | AE BB833 9,3/0,75PF CDI<br>VARACTOR                | 1051.4751.00    | SIEMENS      | BB833 (-B628)       |
| V169          | AE BZX284-B2V7 0,4W ZDI<br>ZENER DIODE             | 0048.3345.00    | PHILIPS_SE   | BZX284-B2V7         |
| V172<br>..177 | AE BB833 9,3/0,75PF CDI<br>VARACTOR                | 1051.4751.00    | SIEMENS      | BB833 (-B628)       |
| V180          | AM SI9410DY N-E 30V MOSF<br>MOSFET                 | 1081.0354.00    | SILICONIX    | SI9410DY            |
| V181          | AM SI9410DY N-E 30V MOSF<br>MOSFET                 | 1081.0354.00    | SILICONIX    | SI9410DY            |
| V186          | AE HSMS2825 1+1 SCHOTTKY<br>SCHOTTKY DIODE PAIR    | 1010.6214.00    | HEWLETT_PA   | HSMS2825 L31        |
| V191          | AM SI9435DY P-E 30V MOSF<br>MOSFET                 | 1081.0277.00    | SILICONIX    | SI9435DY            |
| V192<br>..196 | AM BSS138 N-E 50V MOSF<br>MOSFET                   | 0520.7740.00    | SIEMENS      | BSS138 (-S566)      |
| V197          | AE BB833 9,3/0,75PF CDI<br>VARACTOR                | 1051.4751.00    | SIEMENS      | BB833 (-B628)       |
| V198          | AE BB833 9,3/0,75PF CDI<br>VARACTOR                | 1051.4751.00    | SIEMENS      | BB833 (-B628)       |
| V199          | AE BZX284-B2V7 0,4W ZDI<br>ZENER DIODE             | 0048.3345.00    | PHILIPS_SE   | BZX284-B2V7         |
| X1<br>..8     | FJ EINLOETSTECKER GER SMP<br>CONNECTOR             | 1093.6481.00    | ROSENBERGE   | 19S-101-40M-E4      |
| X9            | FJ EINLOETBUCHSE MMCX<br>CONNECTOR                 | 1085.1532.00    | SUHNER       | 82MMCXS50-0-2/111KG |
| X10           | FP STIFTLISTE 4P SMD<br>CONNECTOR                  | 1093.6823.00    | AMP          | 966926-2            |
| X12           | FJ EINLOETSTECKER GER SMP<br>CONNECTOR             | 1093.6481.00    | ROSENBERGE   | 19S-101-40M-E4      |
| X14<br>..20   | FP STIFTLISTE 4P SMD<br>CONNECTOR                  | 1093.6823.00    | AMP          | 966926-2            |
| X500          | FP STECKERLEISTE 32POL.<br>CONNECTOR 32P.          | FP 0008.5718.00 | DEUT_ELCO    | 16 8457 064 002 027 |
| X501<br>..504 | FJ EINLOETBUCHSE MMCX<br>CONNECTOR                 | 1085.1532.00    | SUHNER       | 82MMCXS50-0-2/111KG |
| Z1            | LD T-FILTER 3,3NF SMD<br>SMD-FILTER                | 1039.1362.00    | MURATA       | NFM61R20T332T1      |
| Z4<br>..10    | LD T-FILTER 3,3NF SMD<br>SMD-FILTER                | 1039.1362.00    | MURATA       | NFM61R20T332T1      |
| Z12<br>..19   | LD T-FILTER 100PF SMD<br>SMD-FILTER                | 1039.1356.00    | MURATA       | NFM61ROOT101T1      |
| Z20           | LD PI-FILTER 2X1NF SMD<br>SMD-CERAMIC-PI-FILTER    | 4024.7152.00    | TUSONIX      | 4700-003            |
| Z22           | LD PI-FILTER 2X1NF SMD<br>SMD-CERAMIC-PI-FILTER    | 4024.7152.00    | TUSONIX      | 4700-003            |
| Z23           | LD PI-FILTER 2X1NF SMD<br>SMD-CERAMIC-PI-FILTER    | 4024.7152.00    | TUSONIX      | 4700-003            |
| Z24           | LD T-FILTER 3,3NF SMD<br>SMD-FILTER                | 1039.1362.00    | MURATA       | NFM61R20T332T1      |
| Z25           | LD PI-FILTER 2X1NF SMD<br>SMD-CERAMIC-PI-FILTER    | 4024.7152.00    | TUSONIX      | 4700-003            |
| Z26           | LD PI-FILTER 2X1NF SMD<br>SMD-CERAMIC-PI-FILTER    | 4024.7152.00    | TUSONIX      | 4700-003            |

|                                                                                                                |          |    |               |                                        |                         |                   |
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## XY-Liste

## XY List

### Erklärung der Spaltenbezeichnungen:

|             |                                                                                             |
|-------------|---------------------------------------------------------------------------------------------|
| el. Kennz.  | Bauelement-Kennzeichen                                                                      |
| Seite       | Leiterplatten-Seite, auf der sich das Bauelement befindet                                   |
| X/Y         | Koordinaten (in Millimeter) des Bauelementes auf der Leiterplatte bezogen auf den Nullpunkt |
| Planq., Bl. | Planquadrat und Seite des Schaltbildes für das jeweilige Bauelement                         |

### Explanation of column designations:

|         |                                                                                                   |
|---------|---------------------------------------------------------------------------------------------------|
| Part    | Identification of instrument part                                                                 |
| Side    | Side of the PC board on which instrument part is positioned                                       |
| X/Y     | Coordinates (in units of millimeters) of the component on the PC board in reference to zero point |
| Sqr, Pg | Square and page of the diagram for the respective instrument part                                 |



# Service--Relevante Bauteile / Service--Relevant Components

| el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg |
|--------------------|---------------|-----|-----|---------------|-----------|--------------------|---------------|-----|-----|---------------|-----------|--------------------|---------------|-----|-----|---------------|-----------|
| P1                 | B             | 41  | 128 | 6D            | 12        | P8                 | B             | 263 | 30  | 6A            | 29        | R394               | B             | 254 | 59  | 4B            | 30        |
| P3                 | B             | 263 | 44  | 6E            | 29        | R173               | A             | 255 | 137 | 4D            | 30        | R848               | B             | 105 | 107 | 2E            | 8         |

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**ROHDE & SCHWARZ**

Benennung: EE 6-GHZ-ERWEITERUNG  
Designation: 6-GHZ-EXTENSION

Sprache:  
Lang.: de

Blatt:  
Sh.: 1 +

Aei:  
C.I.: 08.01

Typ:  
Type: SMIQ

Datum:  
Date: 99-09-30

Abteilung:  
Dpt: 1GPK

Name:  
Name: HO

Sachnr.:  
Part No.: 1084.9600.01 XY

# Nicht-Service-Relevante Bauteile / Non-Service-Relevant Components

| el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg |
|--------------------|---------------|-----|-----|---------------|-----------|--------------------|---------------|-----|-----|---------------|-----------|--------------------|---------------|-----|-----|---------------|-----------|
| A1                 | B             | 274 | 12  | 8B            | 29        | C74                | B             | 67  | 84  | 2B            | 5         | C148               | B             | 233 | 129 | 3F            | 16        |
| C1                 | B             | 138 | 59  | 2B            | 19        | C75                | B             | 37  | 142 | 4C            | 12        | C149               | A             | 234 | 119 | 8D            | 16        |
| C2                 | A             | 244 | 103 | 3E            | 34        | C76                | B             | 17  | 116 | 4B            | 11        | C150               | A             | 237 | 25  | 1D            | 29        |
| C3                 | B             | 49  | 126 | 5D            | 12        | C77                | B             | 47  | 114 | 3C            | 8         | C151               | A             | 233 | 20  | 3F            | 29        |
| C4                 | B             | 154 | 79  | 5C            | 15        | C78                | B             | 154 | 92  | 3B            | 21        | C152               | A             | 250 | 22  | 3F            | 29        |
| C5                 | A             | 24  | 133 | 3E            | 12        | C79                | B             | 184 | 89  | 8B            | 21        | C153               | A             | 238 | 20  | 3F            | 29        |
| C6                 | A             | 56  | 141 | 5F            | 12        | C80                | B             | 187 | 72  | 3D            | 20        | C154               | A             | 289 | 84  | 3A            | 29        |
| C7                 | B             | 154 | 24  | 4E            | 36        | C81                | B             | 160 | 92  | 4B            | 21        | C155               | A             | 56  | 134 | 3A            | 36        |
| C8                 | B             | 126 | 56  | 4D            | 36        | C82                | B             | 157 | 92  | 4B            | 21        | C156               | A             | 255 | 46  | 2C            | 29        |
| C9                 | B             | 61  | 97  | 5C            | 7         | C83                | B             | 154 | 115 | 3C            | 23        | C157               | A             | 258 | 40  | 2C            | 29        |
| C10                | B             | 37  | 16  | 2C            | 4         | C84                | B             | 154 | 111 | 3C            | 23        | C158               | A             | 251 | 62  | 1E            | 30        |
| C11                | B             | 93  | 82  | 6D            | 6         | C85                | B             | 115 | 118 | 2C            | 14        | C159               | A             | 262 | 57  | 1E            | 30        |
| C12                | B             | 42  | 80  | 7C            | 4         | C86                | B             | 161 | 58  | 5B            | 19        | C160               | B             | 255 | 31  | 3E            | 30        |
| C13                | B             | 40  | 14  | 2C            | 4         | C87                | B             | 233 | 139 | 8C            | 25        | C161               | B             | 251 | 54  | 6D            | 30        |
| C14                | B             | 62  | 82  | 1B            | 5         | C88                | B             | 177 | 61  | 1B            | 20        | C162               | B             | 259 | 51  | 6D            | 30        |
| C15                | B             | 92  | 73  | 6D            | 6         | C89                | B             | 260 | 136 | 4C            | 26        | C163               | B             | 248 | 47  | 2E            | 30        |
| C16                | B             | 92  | 77  | 6D            | 6         | C90                | B             | 69  | 73  | 2C            | 5         | C164               | A             | 288 | 35  | 7C            | 31        |
| C17                | B             | 92  | 79  | 6D            | 6         | C91                | A             | 54  | 133 | 3A            | 36        | C165               | A             | 277 | 37  | 1E            | 31        |
| C18                | B             | 26  | 61  | 5D            | 9         | C92                | A             | 49  | 135 | 6D            | 12        | C166               | A             | 277 | 25  | 1D            | 31        |
| C19                | B             | 163 | 72  | 7D            | 19        | C93                | A             | 44  | 136 | 6E            | 12        | C167               | A             | 288 | 24  | 2D            | 31        |
| C20                | B             | 162 | 91  | 4B            | 21        | C94                | A             | 184 | 93  | 5C            | 36        | C168               | A             | 288 | 38  | 3E            | 31        |
| C21                | A             | 276 | 27  | 7D            | 31        | C95                | B             | 182 | 60  | 3B            | 20        | C169               | A             | 283 | 41  | 2F            | 31        |
| C22                | A             | 75  | 79  | 7E            | 5         | C96                | A             | 67  | 65  | 6C            | 5         | C170               | A             | 291 | 128 | 7E            | 26        |
| C23                | B             | 31  | 134 | 2B            | 12        | C97                | A             | 61  | 74  | 6D            | 5         | C171               | A             | 255 | 16  | 3F            | 32        |
| C24                | B             | 164 | 52  | 6A            | 19        | C98                | A             | 45  | 81  | 1F            | 5         | C172               | A             | 195 | 42  | 5F            | 32        |
| C25                | B             | 132 | 88  | 6B            | 15        | C99                | A             | 44  | 82  | 1F            | 5         | C173               | A             | 215 | 19  | 1F            | 33        |
| C26                | B             | 62  | 58  | 4B            | 5         | C100               | B             | 220 | 61  | 7B            | 20        | C174               | B             | 233 | 48  | 3F            | 33        |
| C27                | B             | 66  | 72  | 2C            | 5         | C101               | A             | 70  | 53  | 4E            | 5         | C175               | A             | 217 | 23  | 1F            | 33        |
| C28                | B             | 46  | 134 | 4B            | 12        | C102               | A             | 77  | 110 | 1E            | 8         | C176               | A             | 247 | 49  | 3F            | 33        |
| C29                | B             | 65  | 77  | 1B            | 5         | C103               | B             | 198 | 61  | 4B            | 20        | C177               | A             | 222 | 33  | 3C            | 33        |
| C30                | B             | 35  | 132 | 4D            | 12        | C104               | B             | 167 | 91  | 5B            | 21        | C178               | A             | 224 | 33  | 3D            | 33        |
| C31                | B             | 239 | 72  | 2B            | 34        | C105               | B             | 174 | 92  | 7B            | 21        | C179               | A             | 222 | 41  | 3E            | 33        |
| C32                | B             | 239 | 70  | 2A            | 34        | C106               | B             | 187 | 50  | 4D            | 20        | C180               | B             | 192 | 116 | 5B            | 24        |
| C33                | B             | 77  | 82  | 2B            | 5         | C107               | B             | 207 | 55  | 6D            | 20        | C181               | A             | 247 | 48  | 5C            | 33        |
| C34                | A             | 218 | 59  | 6A            | 36        | C108               | B             | 214 | 66  | 5A            | 20        | C182               | B             | 167 | 116 | 8C            | 23        |
| C35                | B             | 16  | 126 | 6D            | 11        | C109               | B             | 168 | 82  | 6A            | 21        | C183               | B             | 157 | 108 | 6C            | 23        |
| C36                | A             | 60  | 22  | 4A            | 3         | C110               | B             | 65  | 82  | 1C            | 5         | C184               | B             | 285 | 140 | 6B            | 26        |
| C37                | A             | 23  | 143 | 3A            | 36        | C111               | B             | 72  | 82  | 2B            | 5         | C185               | B             | 261 | 116 | 8B            | 27        |
| C38                | B             | 202 | 95  | 4B            | 22        | C112               | B             | 231 | 107 | 6E            | 17        | C186               | A             | 239 | 91  | 2F            | 34        |
| C39                | A             | 93  | 95  | 7A            | 6         | C113               | B             | 185 | 91  | 1B            | 22        | C187               | B             | 96  | 132 | 5B            | 13        |
| C40                | A             | 48  | 110 | 2A            | 8         | C114               | B             | 206 | 87  | 5B            | 22        | C188               | A             | 244 | 84  | 2E            | 34        |
| C41                | A             | 83  | 110 | 2E            | 8         | C115               | A             | 184 | 65  | 1E            | 20        | C189               | A             | 156 | 39  | 1F            | 35        |
| C42                | B             | 24  | 13  | 3A            | 4         | C116               | B             | 238 | 109 | 5E            | 17        | C190               | A             | 70  | 38  | 2D            | 36        |
| C43                | B             | 40  | 29  | 2D            | 4         | C117               | B             | 243 | 81  | 6E            | 17        | C191               | B             | 225 | 141 | 7C            | 25        |
| C44                | B             | 78  | 79  | 2A            | 5         | C118               | B             | 171 | 78  | 7E            | 21        | C192               | B             | 123 | 80  | 3C            | 15        |
| C45                | B             | 244 | 140 | 2C            | 26        | C119               | B             | 188 | 82  | 3D            | 22        | C193               | A             | 169 | 43  | 2B            | 35        |
| C46                | A             | 266 | 114 | 7A            | 36        | C120               | B             | 202 | 78  | 5A            | 22        | C194               | A             | 145 | 39  | 1E            | 35        |
| C47                | A             | 287 | 127 | 7A            | 36        | C121               | B             | 193 | 80  | 3D            | 22        | C195               | A             | 283 | 127 | 8A            | 36        |
| C48                | B             | 60  | 40  | 5A            | 5         | C122               | B             | 216 | 92  | 7B            | 22        | C196               | A             | 88  | 95  | 2C            | 36        |
| C49                | A             | 181 | 57  | 2E            | 20        | C123               | B             | 141 | 141 | 4B            | 17        | C197               | A             | 44  | 113 | 2B            | 36        |
| C50                | A             | 192 | 96  | 2E            | 22        | C124               | B             | 242 | 81  | 7E            | 17        | C198               | A             | 26  | 93  | 1A            | 36        |
| C51                | A             | 163 | 123 | 2E            | 18        | C125               | A             | 195 | 96  | 1E            | 22        | C199               | A             | 13  | 54  | 1E            | 36        |
| C52                | A             | 191 | 105 | 6E            | 24        | C126               | B             | 235 | 91  | 8E            | 17        | C200               | B             | 151 | 70  | 5D            | 15        |
| C53                | B             | 143 | 62  | 2C            | 19        | C127               | B             | 237 | 91  | 7E            | 17        | C201               | A             | 277 | 108 | 8A            | 36        |
| C54                | A             | 229 | 139 | 7A            | 36        | C128               | B             | 238 | 119 | 5E            | 17        | C202               | B             | 238 | 100 | 8E            | 17        |
| C55                | A             | 297 | 88  | 7B            | 36        | C129               | B             | 209 | 73  | 6D            | 22        | C203               | B             | 192 | 124 | 6D            | 18        |
| C56                | A             | 164 | 64  | 6A            | 36        | C130               | B             | 192 | 97  | 2C            | 22        | C204               | B             | 244 | 86  | 6E            | 17        |
| C57                | A             | 277 | 113 | 8D            | 36        | C131               | B             | 152 | 122 | 5D            | 17        | C205               | B             | 242 | 96  | 7E            | 17        |
| C58                | A             | 252 | 109 | 8D            | 36        | C132               | B             | 146 | 130 | 5B            | 17        | C206               | B             | 244 | 105 | 8E            | 17        |
| C59                | A             | 168 | 53  | 5C            | 36        | C133               | B             | 159 | 135 | 1B            | 18        | C207               | A             | 123 | 94  | 4A            | 36        |
| C60                | A             | 139 | 129 | 5A            | 36        | C134               | B             | 168 | 135 | 2B            | 18        | C208               | A             | 204 | 81  | 5B            | 36        |
| C61                | A             | 195 | 143 | 5A            | 36        | C135               | A             | 167 | 126 | 1E            | 18        | C209               | A             | 218 | 134 | 6B            | 36        |
| C62                | A             | 167 | 112 | 5B            | 36        | C136               | A             | 193 | 107 | 5E            | 24        | C210               | A             | 135 | 84  | 6B            | 36        |
| C63                | A             | 203 | 107 | 5B            | 36        | C137               | B             | 175 | 116 | 3B            | 24        | C211               | A             | 189 | 112 | 5C            | 36        |
| C64                | A             | 164 | 83  | 5B            | 36        | C138               | B             | 236 | 100 | 8E            | 17        | C212               | A             | 156 | 133 | 5C            | 36        |
| C65                | A             | 258 | 29  | 6E            | 29        | C139               | B             | 181 | 134 | 4B            | 18        | C213               | A             | 111 | 93  | 3C            | 36        |
| C66                | A             | 258 | 36  | 6E            | 29        | C140               | B             | 198 | 135 | 7B            | 18        | C214               | A             | 124 | 76  | 3C            | 36        |
| C67                | B             | 287 | 86  | 3B            | 29        | C141               | A             | 114 | 109 | 6B            | 14        | C215               | A             | 112 | 140 | 3A            | 36        |
| C68                | B             | 286 | 113 | 5B            | 27        | C142               | A             | 118 | 97  | 7D            | 14        | C216               | A             | 79  | 36  | 3D            | 36        |
| C69                | B             | 40  | 102 | 1D            | 8         | C143               | B             | 151 | 106 | 1C            | 23        | C217               | A             | 78  | 38  | 3D            | 36        |
| C70                | B             | 180 | 51  | 2C            | 20        | C144               | B             | 131 | 96  | 5B            | 15        | C218               | A             | 155 | 16  | 5E            | 36        |
| C71                | B             | 61  | 134 | 8A            | 12        | C145               | B             | 216 | 118 | 6B            | 25        | C219               | B             | 152 | 52  | 4C            | 19        |
| C72                | B             | 201 | 91  | 3B            | 22        | C146               | A             | 236 | 119 | 7D            | 16        | C220               | B             | 74  | 49  | 5C            | 5         |
| C73                | B             | 58  | 22  | 4C            | 3         | C147               | A             | 237 | 130 | 6D            | 16        | C221               | B             | 64  | 73  | 2C            | 5         |



**ROHDE & SCHWARZ**

Benennung: EE 6-GHZ-ERWEITERUNG  
Designation: 6-GHZ-EXTENSION

Sprache:  
Lang.: de

Blatt:  
Sh.: 2 +

Aei:  
C.I.: 08.01

Typ:  
Type: SMIQ

Datum:  
Date: 99-09-30

Abteilung:  
Dpt: 1GPK

Name:  
Name: HO

Sachnr.:  
Part No.: 1084.9600.01 XY

# Nicht-Service-Relevante Bauteile / Non-Service-Relevant Components

| el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg |
|--------------------|---------------|-----|-----|---------------|-----------|--------------------|---------------|-----|-----|---------------|-----------|--------------------|---------------|-----|-----|---------------|-----------|
| C222               | B             | 280 | 97  | 8B            | 28        | C296               | B             | 61  | 19  | 4C            | 3         | C370               | B             | 47  | 67  | 8C            | 4         |
| C223               | B             | 61  | 67  | 3C            | 5         | C297               | B             | 152 | 89  | 3C            | 21        | C371               | B             | 72  | 65  | 3B            | 5         |
| C224               | A             | 300 | 138 | 8D            | 26        | C298               | B             | 134 | 134 | 3C            | 17        | C372               | B             | 86  | 73  | 6D            | 6         |
| C225               | A             | 291 | 133 | 8C            | 26        | C299               | B             | 100 | 139 | 6B            | 13        | C373               | B             | 57  | 118 | 4D            | 8         |
| C226               | A             | 289 | 113 | 3E            | 27        | C300               | A             | 12  | 124 | 4E            | 11        | C374               | B             | 91  | 112 | 6D            | 8         |
| C227               | B             | 176 | 123 | 3D            | 18        | C301               | B             | 33  | 72  | 6C            | 4         | C375               | B             | 185 | 61  | 3B            | 20        |
| C228               | B             | 234 | 68  | 5A            | 31        | C302               | B             | 43  | 22  | 3C            | 4         | C376               | B             | 33  | 61  | 8E            | 4         |
| C229               | B             | 232 | 63  | 5B            | 31        | C303               | B             | 96  | 94  | 8D            | 6         | C377               | B             | 99  | 98  | 8C            | 6         |
| C230               | A             | 265 | 107 | 5E            | 28        | C304               | B             | 92  | 51  | 4D            | 6         | C378               | B             | 12  | 59  | 5C            | 9         |
| C231               | A             | 234 | 129 | 7D            | 16        | C305               | B             | 92  | 65  | 5D            | 6         | C379               | B             | 170 | 56  | 6B            | 19        |
| C232               | B             | 33  | 93  | 4D            | 10        | C306               | B             | 43  | 110 | 2C            | 8         | C380               | B             | 152 | 86  | 2C            | 21        |
| C233               | B             | 148 | 52  | 4C            | 19        | C307               | B             | 16  | 72  | 6C            | 9         | C381               | B             | 122 | 120 | 1C            | 14        |
| C234               | A             | 16  | 116 | 4E            | 11        | C308               | B             | 69  | 105 | 4E            | 8         | C382               | B             | 161 | 60  | 5C            | 19        |
| C235               | B             | 73  | 76  | 3B            | 5         | C309               | B             | 182 | 68  | 3C            | 20        | C383               | B             | 155 | 51  | 4C            | 19        |
| C236               | B             | 71  | 54  | 4C            | 5         | C310               | B             | 193 | 53  | 4C            | 20        | C384               | B             | 138 | 62  | 2C            | 19        |
| C237               | B             | 146 | 76  | 6D            | 15        | C311               | B             | 151 | 127 | 6C            | 17        | C385               | B             | 157 | 55  | 5B            | 19        |
| C238               | B             | 156 | 94  | 4C            | 21        | C312               | B             | 160 | 127 | 7C            | 17        | C386               | B             | 146 | 54  | 4B            | 19        |
| C239               | B             | 209 | 77  | 5C            | 22        | C313               | B             | 195 | 125 | 6C            | 18        | C387               | B             | 220 | 57  | 6B            | 20        |
| C240               | B             | 213 | 77  | 6C            | 22        | C314               | B             | 201 | 128 | 6C            | 18        | C388               | B             | 214 | 57  | 6B            | 20        |
| C241               | B             | 175 | 135 | 3B            | 18        | C315               | B             | 172 | 126 | 4C            | 18        | C389               | B             | 177 | 65  | 8C            | 19        |
| C242               | B             | 30  | 143 | 2C            | 12        | C316               | B             | 168 | 143 | 3C            | 18        | C390               | B             | 170 | 65  | 8C            | 19        |
| C243               | B             | 49  | 97  | 6C            | 7         | C317               | B             | 106 | 139 | 7B            | 13        | C391               | B             | 195 | 58  | 4C            | 20        |
| C244               | B             | 53  | 97  | 5C            | 7         | C318               | B             | 103 | 139 | 6B            | 13        | C392               | B             | 219 | 65  | 7B            | 20        |
| C245               | B             | 56  | 97  | 5C            | 7         | C319               | B             | 249 | 58  | 4F            | 33        | C393               | B             | 219 | 70  | 8B            | 20        |
| C246               | B             | 79  | 97  | 4C            | 7         | C320               | B             | 246 | 58  | 4E            | 33        | C394               | B             | 207 | 66  | 5B            | 20        |
| C247               | B             | 44  | 12  | 3C            | 4         | C321               | B             | 35  | 13  | 2C            | 4         | C395               | B             | 246 | 138 | 2C            | 26        |
| C248               | B             | 171 | 60  | 7B            | 19        | C322               | B             | 253 | 31  | 7B            | 30        | C396               | B             | 197 | 63  | 4B            | 20        |
| C249               | B             | 206 | 84  | 5B            | 22        | C323               | B             | 233 | 58  | 5B            | 31        | C397               | B             | 179 | 54  | 2B            | 20        |
| C250               | B             | 151 | 136 | 6B            | 17        | C324               | B             | 95  | 98  | 8C            | 6         | C398               | B             | 182 | 52  | 2C            | 20        |
| C251               | B             | 170 | 116 | 2B            | 24        | C325               | B             | 36  | 112 | 2C            | 8         | C399               | B             | 187 | 66  | 3C            | 20        |
| C252               | B             | 125 | 122 | 8D            | 13        | C326               | B             | 52  | 113 | 4D            | 8         | C400               | B             | 167 | 92  | 5C            | 21        |
| C253               | B             | 116 | 139 | 4D            | 13        | C327               | B             | 61  | 113 | 5D            | 8         | C401               | B             | 269 | 141 | 5B            | 26        |
| C254               | B             | 116 | 121 | 2C            | 14        | C328               | B             | 211 | 84  | 6B            | 22        | C402               | B             | 94  | 89  | 7D            | 6         |
| C255               | B             | 116 | 107 | 4B            | 14        | C329               | B             | 70  | 97  | 4C            | 7         | C403               | B             | 170 | 90  | 6B            | 21        |
| C256               | B             | 118 | 91  | 2C            | 15        | C330               | B             | 37  | 75  | 7C            | 4         | C404               | B             | 184 | 86  | 8C            | 21        |
| C257               | B             | 112 | 82  | 2F            | 15        | C331               | B             | 71  | 111 | 5D            | 8         | C405               | B             | 152 | 83  | 2C            | 21        |
| C258               | B             | 163 | 143 | 3D            | 18        | C332               | B             | 189 | 65  | 3C            | 20        | C406               | B             | 36  | 119 | 2C            | 8         |
| C259               | B             | 259 | 136 | 4B            | 26        | C333               | B             | 98  | 132 | 5B            | 13        | C407               | B             | 174 | 85  | 7C            | 21        |
| C260               | B             | 294 | 124 | 8B            | 26        | C334               | B             | 102 | 129 | 5C            | 13        | C408               | B             | 49  | 106 | 4C            | 8         |
| C261               | B             | 279 | 116 | 7B            | 27        | C335               | A             | 159 | 37  | 2C            | 35        | C409               | B             | 151 | 114 | 3C            | 23        |
| C262               | A             | 150 | 102 | 4B            | 15        | C336               | B             | 40  | 84  | 6C            | 4         | C410               | B             | 154 | 108 | 2C            | 23        |
| C263               | A             | 50  | 129 | 6C            | 12        | C337               | B             | 86  | 120 | 6D            | 8         | C411               | B             | 148 | 107 | 4A            | 23        |
| C264               | B             | 24  | 21  | 5C            | 4         | C338               | B             | 23  | 10  | 2B            | 4         | C412               | B             | 201 | 85  | 5B            | 22        |
| C265               | B             | 34  | 33  | 5E            | 4         | C339               | B             | 156 | 116 | 4C            | 23        | C413               | B             | 189 | 88  | 2B            | 22        |
| C266               | B             | 76  | 56  | 5C            | 5         | C340               | B             | 157 | 114 | 5C            | 23        | C414               | B             | 189 | 97  | 2C            | 22        |
| C267               | A             | 135 | 104 | 4A            | 15        | C341               | A             | 127 | 81  | 2B            | 15        | C415               | B             | 207 | 82  | 6C            | 22        |
| C268               | A             | 59  | 63  | 6C            | 5         | C342               | B             | 289 | 91  | 2B            | 29        | C416               | B             | 216 | 80  | 6C            | 22        |
| C269               | A             | 151 | 80  | 4D            | 15        | C343               | B             | 58  | 97  | 5C            | 7         | C417               | B             | 214 | 96  | 7B            | 22        |
| C270               | B             | 147 | 96  | 6B            | 15        | C344               | B             | 47  | 97  | 6C            | 7         | C418               | B             | 214 | 101 | 8B            | 22        |
| C271               | B             | 139 | 93  | 6A            | 15        | C345               | B             | 38  | 11  | 2C            | 4         | C419               | B             | 76  | 106 | 3E            | 8         |
| C272               | B             | 146 | 74  | 6D            | 15        | C346               | B             | 85  | 97  | 8D            | 6         | C420               | B             | 35  | 139 | 3C            | 12        |
| C273               | A             | 146 | 73  | 4D            | 15        | C347               | B             | 93  | 83  | 6D            | 6         | C421               | B             | 139 | 144 | 4C            | 17        |
| C274               | B             | 169 | 124 | 2C            | 18        | C348               | B             | 40  | 99  | 1D            | 8         | C422               | B             | 136 | 110 | 2C            | 17        |
| C275               | A             | 293 | 84  | 6B            | 29        | C349               | B             | 44  | 115 | 3D            | 8         | C423               | B             | 150 | 131 | 6C            | 17        |
| C276               | A             | 265 | 68  | 6C            | 29        | C350               | B             | 56  | 107 | 4D            | 8         | C424               | B             | 160 | 131 | 7C            | 17        |
| C277               | A             | 225 | 104 | 8D            | 25        | C351               | B             | 174 | 43  | 4E            | 35        | C425               | B             | 189 | 131 | 5C            | 18        |
| C278               | B             | 194 | 143 | 5A            | 18        | C352               | B             | 19  | 64  | 6C            | 9         | C426               | B             | 199 | 131 | 7C            | 18        |
| C279               | B             | 155 | 112 | 3B            | 23        | C353               | B             | 15  | 74  | 7C            | 9         | C427               | B             | 135 | 120 | 2C            | 17        |
| C280               | B             | 290 | 117 | 2D            | 27        | C354               | B             | 21  | 56  | 4C            | 9         | C428               | B             | 145 | 136 | 5B            | 17        |
| C281               | B             | 242 | 124 | 6E            | 16        | C355               | B             | 191 | 58  | 3C            | 20        | C429               | B             | 142 | 119 | 2C            | 17        |
| C282               | A             | 269 | 101 | 3D            | 28        | C356               | B             | 18  | 141 | 1C            | 12        | C430               | B             | 136 | 124 | 3C            | 17        |
| C283               | B             | 65  | 60  | 4B            | 5         | C357               | B             | 17  | 144 | 1C            | 12        | C431               | B             | 144 | 139 | 4C            | 17        |
| C284               | A             | 217 | 140 | 8A            | 25        | C358               | B             | 20  | 143 | 1C            | 12        | C432               | B             | 276 | 118 | 7B            | 27        |
| C285               | B             | 71  | 70  | 3B            | 5         | C359               | B             | 41  | 116 | 3D            | 8         | C433               | B             | 166 | 128 | 2C            | 18        |
| C286               | A             | 208 | 136 | 8A            | 25        | C360               | B             | 47  | 143 | 4C            | 12        | C434               | A             | 238 | 110 | 7E            | 16        |
| C287               | B             | 243 | 58  | 6C            | 33        | C361               | B             | 195 | 107 | 6C            | 24        | C435               | B             | 189 | 142 | 5B            | 18        |
| C288               | B             | 152 | 92  | 3C            | 21        | C362               | B             | 169 | 105 | 7B            | 23        | C436               | B             | 256 | 94  | 4B            | 28        |
| C289               | A             | 209 | 98  | 8E            | 25        | C363               | B             | 176 | 103 | 2D            | 24        | C437               | B             | 156 | 78  | 5D            | 15        |
| C290               | B             | 198 | 104 | 7A            | 24        | C364               | B             | 19  | 126 | 6D            | 11        | C438               | B             | 206 | 136 | 8B            | 18        |
| C291               | B             | 292 | 129 | 8B            | 26        | C365               | A             | 15  | 111 | 3D            | 11        | C439               | B             | 202 | 135 | 7B            | 18        |
| C292               | B             | 27  | 19  | 4B            | 4         | C366               | B             | 13  | 118 | 4B            | 11        | C440               | B             | 179 | 130 | 4C            | 18        |
| C293               | B             | 16  | 21  | 5B            | 4         | C367               | B             | 76  | 26  | 4F            | 3         | C441               | B             | 171 | 140 | 3C            | 18        |
| C294               | B             | 30  | 29  | 4E            | 4         | C368               | A             | 44  | 76  | 1E            | 5         | C442               | B             | 184 | 103 | 3D            | 24        |
| C295               | B             | 34  | 37  | 5E            | 4         | C369               | B             | 40  | 105 | 2D            | 8         | C443               | B             | 128 | 134 | 8C            | 13        |



**ROHDE & SCHWARZ**

Benennung: EE 6-GHZ-ERWEITERUNG  
Designation: 6-GHZ-EXTENSION

Sprache:  
Lang.: de

Blatt:  
Sh.: 3 +

Aei:  
C.I.: 08.01

Typ:  
Type: SMIQ

Datum:  
Date: 99-09-30

Abteilung:  
Dpt: 1GPK

Name:  
Name: HO

Sachnr.:  
Part No.: 1084.9600.01 XY

# Nicht-Service-Relevante Bauteile / Non-Service-Relevant Components

| el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg |
|--------------------|---------------|-----|-----|---------------|-----------|--------------------|---------------|-----|-----|---------------|-----------|--------------------|---------------|-----|-----|---------------|-----------|
| C444               | B             | 149 | 83  | 2B            | 21        | C526               | B             | 208 | 134 | 2A            | 25        | C604               | B             | 220 | 126 | 6B            | 25        |
| C445               | B             | 159 | 89  | 4C            | 21        | C527               | A             | 95  | 136 | 8E            | 12        | C605               | B             | 297 | 138 | 5E            | 26        |
| C446               | B             | 198 | 110 | 5C            | 24        | C528               | B             | 225 | 102 | 6D            | 25        | C606               | B             | 81  | 21  | 4E            | 3         |
| C447               | B             | 192 | 107 | 5B            | 24        | C530               | B             | 257 | 98  | 4B            | 28        | C607               | B             | 53  | 22  | 4D            | 3         |
| C448               | A             | 131 | 72  | 4C            | 15        | C531               | B             | 224 | 138 | 7C            | 25        | C608               | B             | 83  | 28  | 1D            | 6         |
| C449               | A             | 211 | 110 | 8B            | 25        | C532               | B             | 30  | 102 | 5D            | 10        | C609               | B             | 42  | 61  | 7E            | 4         |
| C450               | B             | 160 | 105 | 6C            | 23        | C533               | B             | 33  | 135 | 3C            | 12        | C610               | B             | 274 | 134 | 5C            | 26        |
| C451               | B             | 170 | 113 | 7B            | 23        | C534               | B             | 17  | 119 | 4B            | 11        | C611               | A             | 259 | 50  | 5D            | 30        |
| C452               | B             | 112 | 141 | 3E            | 13        | C535               | B             | 34  | 75  | 6C            | 4         | C612               | B             | 249 | 65  | 4B            | 30        |
| C453               | B             | 117 | 136 | 4E            | 13        | C536               | B             | 218 | 54  | 6C            | 20        | C613               | B             | 254 | 57  | 6C            | 30        |
| C454               | B             | 110 | 114 | 3A            | 14        | C537               | B             | 215 | 53  | 6C            | 20        | C614               | B             | 209 | 21  | 2F            | 32        |
| C455               | B             | 275 | 88  | 7B            | 28        | C538               | B             | 175 | 69  | 8C            | 19        | C615               | A             | 35  | 136 | 2E            | 12        |
| C456               | B             | 98  | 144 | 6B            | 13        | C539               | B             | 172 | 69  | 8C            | 19        | C616               | A             | 64  | 43  | 4E            | 5         |
| C457               | B             | 123 | 132 | 6D            | 13        | C540               | B             | 171 | 136 | 3B            | 18        | C617               | B             | 209 | 61  | 5B            | 20        |
| C458               | B             | 108 | 142 | 2E            | 13        | C541               | B             | 180 | 135 | 4B            | 18        | C618               | B             | 67  | 26  | 3D            | 3         |
| C459               | B             | 110 | 134 | 3E            | 13        | C542               | B             | 174 | 140 | 3C            | 18        | C619               | A             | 121 | 119 | 2E            | 14        |
| C460               | B             | 124 | 118 | 2C            | 14        | C543               | B             | 176 | 130 | 3C            | 18        | C620               | B             | 167 | 95  | 5B            | 21        |
| C461               | B             | 124 | 104 | 4C            | 14        | C545               | B             | 196 | 114 | 6B            | 24        | C621               | B             | 284 | 92  | 8B            | 28        |
| C462               | B             | 118 | 101 | 5C            | 14        | C546               | B             | 107 | 133 | 7B            | 13        | C622               | A             | 283 | 142 | 2E            | 26        |
| C463               | B             | 118 | 96  | 5C            | 14        | C547               | B             | 122 | 139 | 5E            | 13        | C623               | A             | 270 | 108 | 7E            | 27        |
| C464               | B             | 13  | 116 | 4B            | 11        | C548               | B             | 211 | 107 | 6E            | 25        | C624               | B             | 195 | 61  | 4B            | 20        |
| C465               | B             | 128 | 75  | 5C            | 15        | C549               | B             | 119 | 141 | 5D            | 13        | C625               | B             | 176 | 90  | 7B            | 21        |
| C466               | B             | 118 | 108 | 3C            | 14        | C550               | B             | 28  | 142 | 2C            | 12        | C626               | B             | 139 | 140 | 4B            | 17        |
| C467               | B             | 222 | 126 | 6B            | 25        | C551               | B             | 212 | 118 | 6B            | 25        | C627               | B             | 120 | 18  | 3F            | 36        |
| C468               | A             | 90  | 136 | 7E            | 12        | C552               | B             | 163 | 64  | 6B            | 19        | C628               | B             | 118 | 64  | 5D            | 36        |
| C469               | A             | 131 | 102 | 4B            | 15        | C553               | A             | 251 | 57  | 6B            | 30        | C629               | B             | 38  | 141 | 4C            | 12        |
| C470               | A             | 214 | 110 | 8B            | 25        | C554               | A             | 296 | 112 | 5D            | 27        | C630               | B             | 54  | 80  | 8C            | 4         |
| C471               | A             | 119 | 85  | 2A            | 15        | C555               | B             | 59  | 63  | 3C            | 5         | C631               | B             | 89  | 51  | 4D            | 6         |
| C472               | B             | 153 | 71  | 5D            | 15        | C556               | B             | 23  | 76  | 6B            | 9         | C632               | B             | 102 | 133 | 6B            | 13        |
| C473               | A             | 27  | 132 | 3E            | 12        | C557               | B             | 168 | 61  | 7B            | 19        | C633               | B             | 115 | 117 | 3C            | 14        |
| C474               | B             | 13  | 122 | 5B            | 11        | C558               | B             | 18  | 92  | 3D            | 10        | C635               | B             | 271 | 139 | 5B            | 26        |
| C475               | B             | 13  | 125 | 5B            | 11        | C560               | B             | 290 | 120 | 2C            | 27        | C636               | B             | 143 | 54  | 3B            | 19        |
| C476               | B             | 91  | 88  | 7D            | 6         | C561               | B             | 293 | 110 | 4B            | 27        | C637               | A             | 290 | 22  | 7C            | 31        |
| C477               | B             | 131 | 100 | 5B            | 15        | C562               | B             | 299 | 115 | 3B            | 27        | C638               | A             | 292 | 129 | 7D            | 26        |
| C478               | B             | 189 | 116 | 5B            | 24        | C564               | B             | 289 | 107 | 5C            | 27        | C639               | B             | 299 | 136 | 6E            | 26        |
| C479               | B             | 153 | 100 | 5A            | 15        | C565               | B             | 255 | 110 | 2B            | 28        | C640               | A             | 24  | 60  | 6A            | 9         |
| C480               | B             | 241 | 141 | 2B            | 26        | C566               | B             | 255 | 105 | 3B            | 28        | C641               | A             | 291 | 91  | 7A            | 28        |
| C481               | B             | 237 | 141 | 1B            | 26        | C567               | B             | 255 | 119 | 1C            | 28        | C642               | B             | 51  | 50  | 7E            | 4         |
| C482               | B             | 257 | 134 | 3B            | 26        | C568               | B             | 265 | 100 | 3C            | 28        | C643               | B             | 279 | 132 | 6A            | 26        |
| C483               | B             | 134 | 97  | 5A            | 15        | C569               | B             | 202 | 61  | 4B            | 20        | C644               | A             | 59  | 140 | 8C            | 12        |
| C484               | B             | 214 | 111 | 7B            | 25        | C570               | B             | 251 | 131 | 3A            | 26        | C645               | A             | 37  | 137 | 1E            | 12        |
| C487               | B             | 283 | 86  | 3B            | 29        | C571               | A             | 298 | 118 | 3D            | 27        | C646               | B             | 22  | 18  | 4B            | 4         |
| C488               | B             | 279 | 141 | 6B            | 26        | C572               | B             | 24  | 107 | 7C            | 10        | C647               | B             | 18  | 17  | 3B            | 4         |
| C489               | B             | 293 | 120 | 2B            | 27        | C573               | B             | 26  | 56  | 4D            | 9         | C648               | A             | 14  | 18  | 1B            | 4         |
| C490               | B             | 290 | 109 | 4B            | 27        | C574               | B             | 94  | 54  | 4D            | 6         | C649               | A             | 13  | 107 | 7A            | 10        |
| C491               | B             | 295 | 109 | 3B            | 27        | C575               | B             | 92  | 74  | 6D            | 6         | C650               | B             | 30  | 34  | 4E            | 4         |
| C492               | B             | 300 | 118 | 2B            | 27        | C576               | B             | 19  | 100 | 6D            | 10        | C651               | A             | 32  | 21  | 1D            | 4         |
| C493               | B             | 267 | 118 | 8B            | 27        | C577               | B             | 20  | 111 | 8D            | 10        | C652               | B             | 77  | 24  | 4E            | 3         |
| C494               | B             | 213 | 132 | 6A            | 25        | C578               | B             | 167 | 97  | 5B            | 21        | C653               | A             | 57  | 47  | 4E            | 5         |
| C495               | B             | 279 | 113 | 7B            | 27        | C579               | B             | 184 | 107 | 4C            | 24        | C654               | B             | 70  | 41  | 6B            | 5         |
| C496               | B             | 266 | 112 | 8A            | 27        | C580               | B             | 190 | 61  | 3B            | 20        | C655               | B             | 79  | 52  | 5C            | 5         |
| C497               | B             | 287 | 110 | 5B            | 27        | C581               | B             | 179 | 89  | 8B            | 21        | C656               | A             | 67  | 81  | 6C            | 5         |
| C498               | B             | 255 | 113 | 2B            | 28        | C582               | B             | 139 | 134 | 3B            | 17        | C657               | A             | 144 | 44  | 4C            | 35        |
| C499               | B             | 254 | 108 | 2B            | 28        | C583               | B             | 139 | 137 | 3B            | 17        | C658               | A             | 115 | 121 | 2E            | 14        |
| C500               | B             | 254 | 102 | 3B            | 28        | C584               | B             | 157 | 111 | 6C            | 23        | C659               | A             | 123 | 108 | 7C            | 14        |
| C501               | B             | 257 | 117 | 1B            | 28        | C585               | B             | 151 | 108 | 1C            | 23        | C660               | B             | 75  | 13  | 3E            | 3         |
| C502               | B             | 260 | 100 | 3B            | 28        | C586               | A             | 260 | 113 | 2D            | 28        | C661               | B             | 91  | 85  | 7D            | 6         |
| C508               | B             | 162 | 86  | 4C            | 21        | C587               | B             | 32  | 16  | 2C            | 4         | C662               | B             | 84  | 96  | 8D            | 6         |
| C509               | B             | 212 | 61  | 5B            | 20        | C588               | B             | 92  | 70  | 6D            | 6         | C663               | B             | 77  | 120 | 7D            | 8         |
| C510               | B             | 180 | 116 | 3B            | 24        | C589               | B             | 64  | 69  | 3C            | 5         | C664               | B             | 269 | 108 | 8A            | 27        |
| C511               | B             | 98  | 137 | 6B            | 13        | C590               | A             | 146 | 36  | 4A            | 35        | C665               | B             | 277 | 109 | 7C            | 27        |
| C512               | B             | 204 | 91  | 4B            | 22        | C591               | A             | 251 | 101 | 4C            | 28        | C666               | B             | 41  | 130 | 5A            | 12        |
| C514               | B             | 52  | 97  | 5C            | 7         | C592               | A             | 155 | 41  | 4D            | 35        | C667               | A             | 287 | 110 | 3F            | 27        |
| C515               | B             | 39  | 68  | 7C            | 4         | C593               | A             | 67  | 21  | 4A            | 3         | C668               | B             | 296 | 105 | 5D            | 27        |
| C516               | B             | 33  | 60  | 8E            | 4         | C594               | B             | 40  | 20  | 3C            | 4         | C669               | A             | 253 | 119 | 1D            | 28        |
| C517               | A             | 100 | 136 | 8E            | 12        | C595               | A             | 286 | 121 | 3E            | 27        | C670               | A             | 268 | 105 | 5F            | 28        |
| C518               | B             | 139 | 104 | 8A            | 15        | C596               | B             | 49  | 43  | 6E            | 4         | C671               | A             | 280 | 143 | 1E            | 26        |
| C519               | B             | 137 | 65  | 8E            | 15        | C597               | A             | 263 | 100 | 4E            | 28        | C672               | A             | 270 | 111 | 7E            | 27        |
| C520               | B             | 149 | 80  | 8D            | 15        | C598               | B             | 257 | 87  | 6A            | 28        | C673               | B             | 32  | 126 | 3E            | 12        |
| C521               | B             | 145 | 97  | 8B            | 15        | C599               | B             | 56  | 126 | 5E            | 12        | C674               | B             | 135 | 43  | 4D            | 36        |
| C522               | B             | 212 | 134 | 6A            | 25        | C600               | A             | 19  | 106 | 7B            | 10        | C675               | A             | 41  | 125 | 2F            | 12        |
| C523               | B             | 216 | 104 | 2D            | 25        | C601               | B             | 177 | 81  | 7C            | 21        | C676               | A             | 67  | 43  | 4F            | 5         |
| C524               | B             | 221 | 102 | 2E            | 25        | C602               | B             | 182 | 78  | 8C            | 21        | C677               | A             | 116 | 117 | 2F            | 14        |
| C525               | B             | 205 | 115 | 2B            | 25        | C603               | B             | 131 | 80  | 6C            | 15        | C678               | B             | 40  | 25  | 2D            | 4         |



**ROHDE & SCHWARZ**

Benennung: EE 6-GHZ-ERWEITERUNG  
Designation: 6-GHZ-EXTENSION

Sprache:  
Lang.: de

Blatt:  
Sh.: 4 +

Aei:  
C.I.: 08.01

Typ:  
Type: SMIQ

Datum:  
Date: 99-09-30

Abteilung:  
Dpt: 1GPK

Name:  
Name: HO

Sachnr.:  
Part No.: 1084.9600.01 XY

# Nicht-Service-Relevante Bauteile / Non-Service-Relevant Components

| el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg |
|--------------------|---------------|-----|-----|---------------|-----------|--------------------|---------------|-----|-----|---------------|-----------|--------------------|---------------|-----|-----|---------------|-----------|
| C679               | A             | 286 | 142 | 2F            | 26        | C758               | B             | 174 | 107 | 2C            | 24        | C844               | A             | 37  | 112 | 2E            | 11        |
| C680               | A             | 273 | 109 | 7E            | 27        | C759               | B             | 177 | 107 | 3C            | 24        | C845               | A             | 95  | 62  | 2E            | 5         |
| C681               | B             | 49  | 140 | 5C            | 12        | C760               | B             | 58  | 16  | 4B            | 3         | C846               | A             | 90  | 62  | 3E            | 5         |
| C682               | B             | 75  | 97  | 4C            | 7         | C761               | B             | 146 | 62  | 2C            | 19        | C847               | A             | 76  | 62  | 3E            | 5         |
| C683               | B             | 66  | 97  | 5C            | 7         | C762               | A             | 274 | 90  | 4B            | 29        | C848               | B             | 276 | 116 | 7B            | 27        |
| C684               | B             | 40  | 75  | 7C            | 4         | C763               | B             | 186 | 106 | 4C            | 24        | C849               | A             | 64  | 56  | 7D            | 5         |
| C685               | B             | 92  | 57  | 5D            | 6         | C769               | B             | 225 | 106 | 6D            | 25        | C850               | A             | 91  | 50  | 8D            | 5         |
| C686               | B             | 86  | 115 | 6D            | 8         | C770               | B             | 127 | 126 | 8D            | 13        | C851               | B             | 161 | 72  | 7D            | 19        |
| C687               | B             | 195 | 88  | 3B            | 22        | C771               | B             | 113 | 110 | 3B            | 14        | C852               | B             | 165 | 50  | 6A            | 19        |
| C688               | B             | 201 | 94  | 4B            | 22        | C772               | B             | 218 | 111 | 6E            | 25        | C853               | A             | 96  | 50  | 8D            | 5         |
| C689               | B             | 190 | 138 | 5B            | 18        | C773               | B             | 210 | 128 | 6B            | 25        | C854               | A             | 40  | 104 | 2E            | 11        |
| C692               | B             | 268 | 93  | 6B            | 28        | C774               | B             | 119 | 117 | 2C            | 14        | C855               | B             | 174 | 49  | 2D            | 20        |
| C693               | B             | 289 | 96  | 8A            | 28        | C775               | B             | 119 | 106 | 4C            | 14        | C856               | B             | 194 | 73  | 3E            | 20        |
| C694               | B             | 66  | 53  | 4C            | 5         | C776               | B             | 212 | 128 | 6A            | 25        | C857               | B             | 195 | 49  | 3E            | 20        |
| C695               | B             | 59  | 72  | 2D            | 5         | C777               | A             | 97  | 132 | 7B            | 12        | C858               | B             | 202 | 52  | 6D            | 20        |
| C696               | A             | 56  | 127 | 7D            | 12        | C778               | A             | 93  | 132 | 7B            | 12        | C859               | B             | 215 | 68  | 5A            | 20        |
| C698               | B             | 79  | 70  | 2A            | 5         | C781               | B             | 271 | 137 | 5C            | 26        | C860               | B             | 165 | 81  | 6A            | 21        |
| C699               | B             | 60  | 35  | 4A            | 5         | C782               | B             | 282 | 137 | 6B            | 26        | C861               | B             | 166 | 77  | 6E            | 21        |
| C700               | B             | 59  | 49  | 4B            | 5         | C783               | A             | 125 | 138 | 8C            | 13        | C862               | B             | 188 | 77  | 3D            | 22        |
| C701               | B             | 57  | 43  | 4A            | 5         | C784               | A             | 270 | 138 | 5D            | 26        | C863               | B             | 202 | 73  | 4A            | 22        |
| C702               | B             | 72  | 58  | 4C            | 5         | C785               | B             | 292 | 105 | 5C            | 27        | C864               | B             | 198 | 77  | 3D            | 22        |
| C703               | B             | 64  | 43  | 5B            | 5         | C786               | B             | 287 | 120 | 2C            | 27        | C865               | B             | 209 | 70  | 6E            | 22        |
| C704               | B             | 79  | 61  | 5D            | 5         | C787               | B             | 112 | 75  | 2F            | 15        | C866               | B             | 201 | 97  | 2D            | 22        |
| C705               | A             | 63  | 74  | 7C            | 5         | C788               | B             | 153 | 106 | 2C            | 23        | C867               | B             | 149 | 123 | 5D            | 17        |
| C707               | B             | 76  | 29  | 4F            | 3         | C789               | B             | 28  | 137 | 2C            | 12        | C868               | B             | 144 | 129 | 5A            | 17        |
| C708               | B             | 52  | 108 | 4C            | 8         | C790               | B             | 47  | 137 | 5B            | 12        | C869               | B             | 187 | 124 | 6D            | 18        |
| C709               | B             | 26  | 71  | 7B            | 9         | C791               | B             | 270 | 100 | 3D            | 28        | C870               | B             | 198 | 143 | 5A            | 18        |
| C710               | B             | 273 | 92  | 7B            | 28        | C792               | B             | 252 | 118 | 1D            | 28        | C871               | B             | 181 | 122 | 3E            | 18        |
| C711               | B             | 30  | 109 | 7B            | 10        | C793               | B             | 151 | 117 | 4C            | 23        | C872               | B             | 156 | 142 | 3E            | 18        |
| C712               | B             | 158 | 54  | 5C            | 19        | C794               | B             | 184 | 111 | 4C            | 24        | C873               | B             | 162 | 123 | 2D            | 18        |
| C713               | B             | 146 | 58  | 2C            | 19        | C795               | B             | 22  | 93  | 3D            | 10        | C874               | B             | 197 | 101 | 6A            | 24        |
| C714               | B             | 24  | 47  | 4E            | 9         | C796               | B             | 19  | 107 | 7C            | 10        | C875               | B             | 190 | 101 | 6C            | 24        |
| C715               | B             | 252 | 90  | 5A            | 28        | C797               | B             | 160 | 112 | 5C            | 23        | C876               | B             | 165 | 102 | 7B            | 23        |
| C716               | B             | 171 | 73  | 8D            | 19        | C798               | B             | 186 | 109 | 5C            | 24        | C877               | B             | 173 | 101 | 2E            | 24        |
| C717               | B             | 266 | 85  | 5B            | 28        | C799               | B             | 201 | 88  | 3B            | 22        | C878               | B             | 183 | 101 | 3E            | 24        |
| C718               | B             | 38  | 35  | 3D            | 4         | C800               | B             | 194 | 92  | 2B            | 22        | C879               | A             | 38  | 107 | 2E            | 11        |
| C719               | B             | 25  | 43  | 4E            | 9         | C801               | B             | 216 | 84  | 6B            | 22        | C880               | B             | 128 | 138 | 8C            | 13        |
| C720               | A             | 178 | 53  | 2D            | 20        | C802               | B             | 199 | 81  | 3C            | 22        | C881               | B             | 268 | 92  | 6B            | 28        |
| C721               | A             | 183 | 54  | 1D            | 20        | C803               | B             | 194 | 85  | 3C            | 22        | C882               | B             | 111 | 87  | 1F            | 15        |
| C722               | B             | 143 | 57  | 3C            | 19        | C804               | B             | 27  | 132 | 2A            | 12        | C883               | A             | 116 | 87  | 3F            | 15        |
| C723               | B             | 155 | 54  | 4B            | 19        | C805               | B             | 182 | 110 | 4C            | 24        | C884               | B             | 110 | 119 | 3A            | 14        |
| C724               | A             | 261 | 88  | 4A            | 28        | C806               | B             | 204 | 109 | 7B            | 24        | C885               | B             | 125 | 110 | 2D            | 14        |
| C725               | B             | 172 | 107 | 3C            | 24        | C807               | B             | 160 | 115 | 5C            | 23        | C886               | B             | 125 | 95  | 4D            | 14        |
| C726               | B             | 194 | 117 | 6B            | 24        | C808               | B             | 145 | 101 | 2A            | 23        | C887               | A             | 116 | 81  | 3E            | 15        |
| C727               | A             | 199 | 87  | 1D            | 22        | C809               | B             | 184 | 116 | 4B            | 24        | C888               | B             | 130 | 74  | 5C            | 15        |
| C728               | A             | 201 | 97  | 2D            | 22        | C812               | B             | 204 | 93  | 4B            | 22        | C893               | B             | 280 | 83  | 4B            | 29        |
| C729               | B             | 91  | 20  | 3E            | 36        | C814               | B             | 90  | 97  | 8D            | 6         | C894               | B             | 218 | 136 | 7A            | 25        |
| C730               | B             | 91  | 23  | 3E            | 36        | C815               | B             | 38  | 115 | 2D            | 8         | C897               | B             | 209 | 140 | 7B            | 25        |
| C731               | A             | 254 | 33  | 5D            | 29        | C816               | A             | 91  | 97  | 7A            | 6         | C898               | B             | 225 | 94  | 7D            | 25        |
| C732               | A             | 256 | 35  | 5D            | 29        | C817               | A             | 59  | 118 | 2A            | 8         | C899               | B             | 211 | 98  | 7E            | 25        |
| C733               | B             | 91  | 26  | 3E            | 36        | C818               | B             | 172 | 92  | 6B            | 21        | C900               | B             | 209 | 113 | 7B            | 25        |
| C734               | B             | 18  | 95  | 3D            | 10        | C819               | B             | 244 | 140 | 2B            | 26        | C901               | B             | 246 | 131 | 3A            | 26        |
| C735               | B             | 152 | 54  | 4B            | 19        | C820               | B             | 152 | 110 | 2C            | 23        | C902               | B             | 274 | 128 | 5D            | 26        |
| C736               | B             | 149 | 54  | 4B            | 19        | C821               | B             | 162 | 88  | 4B            | 21        | C903               | B             | 300 | 129 | 6E            | 26        |
| C737               | B             | 181 | 72  | 3D            | 20        | C822               | B             | 160 | 95  | 4C            | 21        | C904               | B             | 281 | 128 | 6A            | 26        |
| C738               | B             | 189 | 54  | 3D            | 20        | C823               | B             | 192 | 91  | 2B            | 22        | C905               | B             | 272 | 108 | 8A            | 27        |
| C739               | A             | 160 | 126 | 2D            | 18        | C824               | B             | 41  | 126 | 6E            | 12        | C906               | B             | 280 | 107 | 7C            | 27        |
| C740               | A             | 163 | 129 | 1D            | 18        | C825               | B             | 190 | 63  | 3B            | 20        | C907               | B             | 293 | 97  | 8A            | 28        |
| C741               | B             | 210 | 52  | 6D            | 20        | C826               | B             | 15  | 129 | 7B            | 11        | C908               | B             | 245 | 15  | 8B            | 32        |
| C742               | A             | 191 | 102 | 6C            | 24        | C827               | B             | 96  | 41  | 2D            | 6         | C909               | B             | 245 | 26  | 8C            | 32        |
| C743               | B             | 179 | 110 | 3C            | 24        | C828               | B             | 101 | 41  | 3D            | 6         | C910               | B             | 233 | 27  | 8D            | 32        |
| C744               | A             | 186 | 108 | 6D            | 24        | C829               | B             | 110 | 47  | 3D            | 6         | C911               | B             | 243 | 21  | 6E            | 32        |
| C745               | B             | 174 | 110 | 3C            | 24        | C830               | B             | 114 | 44  | 3D            | 6         | C912               | B             | 234 | 20  | 7E            | 32        |
| C746               | B             | 178 | 79  | 7E            | 21        | C831               | B             | 211 | 82  | 6B            | 22        | C913               | B             | 33  | 101 | 5D            | 10        |
| C747               | B             | 191 | 85  | 3C            | 22        | C834               | B             | 102 | 92  | 8B            | 6         | C914               | B             | 20  | 130 | 6B            | 11        |
| C748               | A             | 122 | 111 | 3D            | 14        | C835               | B             | 42  | 121 | 2B            | 8         | C915               | B             | 21  | 123 | 3B            | 11        |
| C749               | B             | 196 | 81  | 3C            | 22        | C836               | B             | 286 | 94  | 2B            | 29        | C916               | B             | 24  | 125 | 2B            | 11        |
| C750               | B             | 213 | 74  | 6D            | 22        | C837               | B             | 294 | 93  | 5B            | 29        | C917               | A             | 27  | 119 | 3E            | 11        |
| C751               | B             | 155 | 124 | 6D            | 17        | C838               | B             | 257 | 98  | 4B            | 28        | C918               | A             | 20  | 123 | 6D            | 11        |
| C752               | B             | 194 | 124 | 6D            | 18        | C839               | A             | 99  | 130 | 4A            | 36        | C919               | A             | 15  | 129 | 6D            | 11        |
| C753               | B             | 158 | 99  | 5B            | 15        | C840               | A             | 90  | 130 | 3A            | 36        | C922               | B             | 39  | 137 | 3D            | 12        |
| C754               | B             | 172 | 122 | 3D            | 18        | C841               | A             | 94  | 130 | 4A            | 36        | C924               | B             | 16  | 86  | 1D            | 10        |
| C755               | B             | 134 | 102 | 5A            | 15        | C842               | B             | 81  | 106 | 3E            | 8         | C925               | B             | 14  | 89  | 2D            | 10        |
| C756               | B             | 166 | 142 | 3D            | 18        | C843               | A             | 35  | 115 | 3E            | 11        | C926               | B             | 21  | 74  | 7C            | 9         |



**ROHDE & SCHWARZ**

Benennung: EE 6-GHZ-ERWEITERUNG  
Designation: 6-GHZ-EXTENSION

Sprache:  
Lang.: de

Blatt:  
Sh.: 5 +

Aei:  
C.I.: 08.01

Typ: SMIQ  
Type: SMIQ

Datum: 99-09-30  
Date: 99-09-30

Abteilung: 1GPK  
Dpt: 1GPK

Name: HO  
Name: HO

Sachnr.: 1084.9600.01 XY  
Part No.: 1084.9600.01 XY

# Nicht-Service-Relevant Bauteile / Non-Service-Relevant Components

| el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg |
|--------------------|---------------|-----|-----|---------------|-----------|--------------------|---------------|-----|-----|---------------|-----------|--------------------|---------------|-----|-----|---------------|-----------|
| C927               | B             | 24  | 58  | 4D            | 9         | D9                 | A             | 280 | 29  | 7B            | 31        | D30                | B             | 211 | 27  | 2F            | 32        |
| C928               | B             | 17  | 90  | 2D            | 10        | D9                 | A             | 280 | 29  | 7C            | 31        | D30                | B             | 211 | 27  | 4A            | 32        |
| C929               | B             | 33  | 98  | 5D            | 10        | D9                 | A             | 280 | 29  | 7C            | 31        | D31                | B             | 242 | 107 | 8E            | 17        |
| C930               | B             | 22  | 100 | 6D            | 10        | D10                | A             | 152 | 20  | 1F            | 32        | D31                | B             | 242 | 107 | 3D            | 23        |
| C931               | B             | 33  | 95  | 5D            | 10        | D10                | A             | 152 | 20  | 2A            | 32        | D31                | B             | 242 | 107 | 3E            | 23        |
| C932               | B             | 15  | 91  | 3D            | 10        | D10                | A             | 152 | 20  | 2B            | 32        | D31                | B             | 242 | 107 | 3E            | 23        |
| C934               | B             | 13  | 129 | 5B            | 11        | D10                | A             | 152 | 20  | 2B            | 32        | D31                | B             | 242 | 107 | 3E            | 23        |
| C935               | B             | 26  | 93  | 4D            | 10        | D10                | A             | 152 | 20  | 2C            | 32        | L1                 | B             | 265 | 86  | 6B            | 28        |
| C936               | B             | 29  | 93  | 4D            | 10        | D11                | A             | 246 | 44  | 1F            | 32        | L2                 | B             | 206 | 81  | 5C            | 22        |
| C937               | B             | 31  | 100 | 5D            | 10        | D11                | A             | 246 | 44  | 5C            | 32        | L3                 | B             | 28  | 139 | 2C            | 12        |
| C938               | B             | 28  | 100 | 5D            | 10        | D11                | A             | 246 | 44  | 6B            | 32        | L4                 | B             | 254 | 135 | 3B            | 26        |
| C939               | B             | 25  | 100 | 6D            | 10        | D11                | A             | 246 | 44  | 6D            | 32        | L5                 | B             | 39  | 103 | 1D            | 8         |
| C940               | B             | 27  | 103 | 6D            | 10        | D11                | A             | 246 | 44  | 7A            | 32        | L6                 | B             | 281 | 96  | 8B            | 28        |
| C944               | B             | 66  | 107 | 4E            | 8         | D12                | A             | 212 | 43  | 4C            | 32        | L7                 | B             | 47  | 139 | 4B            | 12        |
| C945               | B             | 24  | 102 | 6D            | 10        | D12                | A             | 212 | 43  | 2F            | 33        | L8                 | B             | 64  | 97  | 5C            | 7         |
| C946               | B             | 16  | 100 | 6D            | 10        | D12                | A             | 212 | 43  | 3C            | 33        | L9                 | B             | 43  | 75  | 7C            | 4         |
| C947               | B             | 14  | 112 | 8D            | 10        | D12                | A             | 212 | 43  | 3D            | 33        | L10                | B             | 53  | 75  | 8C            | 4         |
| C948               | B             | 16  | 109 | 7D            | 10        | D12                | A             | 212 | 43  | 3D            | 33        | L11                | B             | 92  | 54  | 4D            | 6         |
| C949               | B             | 146 | 141 | 5B            | 17        | D13                | A             | 236 | 44  | 2F            | 32        | L12                | B             | 92  | 66  | 5D            | 6         |
| C950               | B             | 150 | 138 | 5B            | 17        | D13                | A             | 236 | 44  | 6A            | 32        | L13                | B             | 72  | 111 | 5D            | 8         |
| C951               | B             | 182 | 140 | 4B            | 18        | D14                | A             | 243 | 60  | 3F            | 33        | L14                | B             | 29  | 91  | 4D            | 10        |
| C952               | B             | 187 | 137 | 5B            | 18        | D14                | A             | 243 | 60  | 7A            | 33        | L15                | B             | 168 | 58  | 6B            | 19        |
| C953               | A             | 277 | 104 | 7D            | 27        | D15                | A             | 28  | 117 | 2D            | 11        | L16                | B             | 207 | 62  | 5B            | 20        |
| C954               | B             | 203 | 113 | 7B            | 24        | D15                | A             | 28  | 117 | 2E            | 11        | L17                | B             | 171 | 89  | 6B            | 21        |
| C955               | B             | 199 | 117 | 6B            | 24        | D15                | A             | 28  | 117 | 2E            | 11        | L18                | B             | 204 | 86  | 5B            | 22        |
| C956               | B             | 167 | 113 | 8C            | 23        | D15                | A             | 28  | 117 | 3D            | 11        | L19                | B             | 148 | 136 | 5B            | 17        |
| C957               | B             | 162 | 109 | 7B            | 23        | D15                | A             | 28  | 117 | 3E            | 11        | L20                | B             | 187 | 140 | 5B            | 18        |
| C958               | B             | 125 | 125 | 8D            | 13        | D16                | B             | 212 | 43  | 2A            | 33        | L21                | B             | 168 | 112 | 7B            | 23        |
| C959               | B             | 120 | 128 | 7D            | 13        | D16                | B             | 212 | 43  | 2F            | 33        | L22                | B             | 128 | 125 | 8D            | 13        |
| C964               | B             | 250 | 141 | 3B            | 26        | D17                | A             | 230 | 77  | 2E            | 31        | L23                | B             | 18  | 130 | 7B            | 11        |
| C965               | B             | 256 | 136 | 4B            | 26        | D17                | A             | 230 | 77  | 3B            | 31        | L24                | B             | 116 | 118 | 2C            | 14        |
| C966               | B             | 265 | 90  | 6B            | 28        | D18                | A             | 242 | 112 | 4D            | 16        | L25                | A             | 64  | 22  | 4A            | 3         |
| C967               | B             | 259 | 91  | 5B            | 28        | D18                | A             | 242 | 112 | 4D            | 16        | L26                | B             | 269 | 140 | 5B            | 26        |
| C968               | B             | 283 | 94  | 8B            | 28        | D18                | A             | 242 | 112 | 4E            | 16        | L27                | B             | 277 | 114 | 7B            | 27        |
| C969               | B             | 276 | 91  | 7B            | 28        | D18                | A             | 242 | 112 | 4F            | 16        | L28                | B             | 79  | 21  | 4E            | 3         |
| C970               | B             | 119 | 124 | 2C            | 14        | D18                | A             | 242 | 112 | 7D            | 16        | L29                | B             | 76  | 82  | 2B            | 5         |
| C971               | B             | 266 | 138 | 4C            | 26        | D19                | B             | 230 | 75  | 2B            | 34        | L30                | B             | 95  | 96  | 8C            | 6         |
| C972               | B             | 281 | 119 | 6B            | 27        | D20                | A             | 236 | 75  | 3A            | 16        | L31                | B             | 38  | 111 | 2C            | 8         |
| C973               | B             | 266 | 140 | 5B            | 26        | D20                | A             | 236 | 75  | 3A            | 16        | L32                | A             | 37  | 113 | 2E            | 11        |
| C974               | B             | 95  | 127 | 4B            | 13        | D20                | A             | 236 | 75  | 3C            | 16        | L33                | B             | 19  | 109 | 7C            | 10        |
| C975               | B             | 119 | 138 | 5E            | 13        | D20                | A             | 236 | 75  | 3C            | 16        | L34                | B             | 44  | 15  | 3C            | 4         |
| C976               | B             | 121 | 137 | 6E            | 13        | D20                | A             | 236 | 75  | 8D            | 16        | L35                | B             | 43  | 20  | 3C            | 4         |
| C977               | B             | 90  | 129 | 3B            | 13        | D21                | B             | 236 | 74  | 2C            | 34        | L36                | B             | 92  | 58  | 5D            | 6         |
| C978               | B             | 87  | 131 | 3B            | 13        | D22                | B             | 242 | 89  | 6E            | 17        | L37                | B             | 86  | 117 | 6D            | 8         |
| C979               | B             | 89  | 134 | 3B            | 13        | D22                | B             | 242 | 89  | 2D            | 19        | L38                | B             | 156 | 80  | 5C            | 15        |
| C982               | B             | 91  | 131 | 4B            | 13        | D22                | B             | 242 | 89  | 2D            | 19        | L39                | B             | 152 | 70  | 5D            | 15        |
| C983               | B             | 95  | 131 | 4B            | 13        | D22                | B             | 242 | 89  | 2E            | 19        | L40                | B             | 151 | 75  | 5C            | 15        |
| C984               | B             | 121 | 135 | 6D            | 13        | D22                | B             | 242 | 89  | 2E            | 19        | L41                | B             | 147 | 71  | 5D            | 15        |
| D1                 | A             | 48  | 137 | 4F            | 12        | D23                | B             | 240 | 98  | 7E            | 17        | L52                | B             | 163 | 17  | 5E            | 36        |
| D1                 | A             | 48  | 137 | 8B            | 12        | D23                | B             | 240 | 98  | 2D            | 21        | L53                | B             | 107 | 25  | 4E            | 36        |
| D2                 | B             | 235 | 56  | 4A            | 31        | D23                | B             | 240 | 98  | 2E            | 21        | L54                | B             | 144 | 25  | 4E            | 36        |
| D2                 | B             | 235 | 56  | 3F            | 33        | D23                | B             | 240 | 98  | 2E            | 21        | L55                | A             | 24  | 22  | 1A            | 4         |
| D2                 | B             | 235 | 56  | 6A            | 33        | D23                | B             | 240 | 98  | 2E            | 21        | L56                | A             | 33  | 15  | 1D            | 4         |
| D3                 | A             | 245 | 56  | 3F            | 33        | D24                | B             | 242 | 117 | 3D            | 17        | L57                | B             | 82  | 97  | 3C            | 7         |
| D3                 | A             | 245 | 56  | 5A            | 33        | D24                | B             | 242 | 117 | 3D            | 17        | L58                | B             | 73  | 97  | 4C            | 7         |
| D3                 | A             | 245 | 56  | 5C            | 33        | D24                | B             | 242 | 117 | 3D            | 17        | L59                | B             | 47  | 75  | 8C            | 4         |
| D4                 | A             | 69  | 84  | 6B            | 5         | D24                | B             | 242 | 117 | 3E            | 17        | L60                | B             | 67  | 62  | 3B            | 5         |
| D4                 | A             | 69  | 84  | 6E            | 5         | D24                | B             | 242 | 117 | 5E            | 17        | L61                | B             | 67  | 68  | 3B            | 5         |
| D5                 | A             | 274 | 41  | 2E            | 31        | D25                | B             | 252 | 17  | 3F            | 32        | L62                | B             | 94  | 51  | 4D            | 6         |
| D5                 | A             | 274 | 41  | 5D            | 31        | D25                | B             | 252 | 17  | 6C            | 32        | L63                | B             | 50  | 75  | 8C            | 4         |
| D6                 | A             | 242 | 97  | 2D            | 34        | D26                | A             | 239 | 122 | 4A            | 16        | L64                | B             | 62  | 71  | 2D            | 5         |
| D6                 | A             | 242 | 97  | 3E            | 34        | D26                | A             | 239 | 122 | 4B            | 16        | L65                | A             | 70  | 18  | 4A            | 3         |
| D7                 | A             | 199 | 43  | 1E            | 32        | D26                | A             | 239 | 122 | 4B            | 16        | L66                | A             | 110 | 129 | 5C            | 8         |
| D7                 | A             | 199 | 43  | 2E            | 32        | D26                | A             | 239 | 122 | 4C            | 16        | L67                | A             | 87  | 115 | 5C            | 8         |
| D7                 | A             | 199 | 43  | 4E            | 32        | D26                | A             | 239 | 122 | 6D            | 16        | L68                | B             | 143 | 62  | 2B            | 19        |
| D7                 | A             | 199 | 43  | 4E            | 32        | D27                | B             | 261 | 17  | 3F            | 32        | L69                | B             | 29  | 134 | 2B            | 12        |
| D7                 | A             | 199 | 43  | 5F            | 32        | D27                | B             | 261 | 17  | 4C            | 32        | L70                | B             | 192 | 113 | 5B            | 24        |
| D8                 | A             | 247 | 27  | 2D            | 29        | D28                | A             | 193 | 38  | 1E            | 32        | L71                | A             | 25  | 143 | 3A            | 36        |
| D8                 | A             | 247 | 27  | 2D            | 29        | D28                | A             | 193 | 38  | 3D            | 32        | L72                | A             | 17  | 105 | 7A            | 10        |
| D8                 | A             | 247 | 27  | 2E            | 29        | D28                | A             | 193 | 38  | 3E            | 32        | L73                | B             | 142 | 64  | 2C            | 19        |
| D8                 | A             | 247 | 27  | 2E            | 29        | D28                | A             | 193 | 38  | 4F            | 32        | L74                | A             | 280 | 111 | 8A            | 36        |
| D8                 | A             | 247 | 27  | 3F            | 29        | D28                | A             | 193 | 38  | 5E            | 32        | L75                | A             | 275 | 119 | 8D            | 36        |
| D9                 | A             | 280 | 29  | 2E            | 31        | D29                | B             | 236 | 39  | 2F            | 32        | L76                | A             | 247 | 68  | 6D            | 36        |
| D9                 | A             | 280 | 29  | 7B            | 31        | D29                | B             | 236 | 39  | 7B            | 32        | L77                | A             | 154 | 51  | 5C            | 36        |

|                                                                                                                |  |                                                                 |  |                              |  |                        |  |                                                       |  |
|----------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------|--|------------------------------|--|------------------------|--|-------------------------------------------------------|--|
|  <b>ROHDE &amp; SCHWARZ</b> |  | Benennung: EE 6-GHZ-ERWEITERUNG<br>Designation: 6-GHZ-EXTENSION |  | Sprache: de<br>Lang.: de     |  | Blatt: 6 +<br>Sh.: 6 + |  | Aei: 08.01<br>C.I.: 08.01                             |  |
| Typ: SMIQ<br>Type: SMIQ                                                                                        |  | Datum: 99-09-30<br>Date: 99-09-30                               |  | Abteilung: 1GPK<br>Dpt: 1GPK |  | Name: HO<br>Name: HO   |  | Sachnr.: 1084.9600.01 XY<br>Part No.: 1084.9600.01 XY |  |

# Nicht-Service-Relevante Bauteile / Non-Service-Relevant Components

| el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg |
|--------------------|---------------|-----|-----|---------------|-----------|--------------------|---------------|-----|-----|---------------|-----------|--------------------|---------------|-----|-----|---------------|-----------|
| L78                | A             | 56  | 131 | 3A            | 36        | L152               | B             | 90  | 70  | 6D            | 6         | L226               | B             | 152 | 127 | 6C            | 17        |
| L79                | A             | 131 | 48  | 4D            | 36        | L153               | B             | 100 | 68  | 6D            | 6         | L227               | B             | 287 | 113 | 5B            | 27        |
| L80                | B             | 38  | 14  | 2C            | 4         | L154               | B             | 87  | 84  | 6D            | 6         | L228               | B             | 160 | 127 | 7C            | 17        |
| L81                | B             | 40  | 84  | 6C            | 4         | L155               | B             | 101 | 84  | 6D            | 6         | L229               | B             | 157 | 140 | 7B            | 17        |
| L82                | B             | 56  | 110 | 4D            | 8         | L156               | B             | 41  | 116 | 2D            | 8         | L230               | B             | 195 | 125 | 6C            | 18        |
| L83                | A             | 81  | 35  | 3D            | 36        | L157               | B             | 70  | 111 | 5D            | 8         | L231               | B             | 158 | 135 | 7B            | 17        |
| L84                | A             | 284 | 129 | 8A            | 36        | L158               | B             | 65  | 109 | 5D            | 8         | L232               | B             | 201 | 128 | 6C            | 18        |
| L85                | A             | 59  | 135 | 3A            | 36        | L159               | B             | 143 | 54  | 3B            | 19        | L233               | B             | 258 | 116 | 1B            | 28        |
| L86                | A             | 85  | 119 | 3B            | 36        | L160               | B             | 80  | 113 | 5D            | 8         | L234               | B             | 197 | 135 | 6B            | 18        |
| L87                | A             | 44  | 110 | 2B            | 36        | L161               | B             | 27  | 63  | 5D            | 9         | L235               | B             | 136 | 119 | 2B            | 17        |
| L88                | A             | 13  | 83  | 1C            | 36        | L162               | B             | 168 | 92  | 5B            | 21        | L236               | B             | 139 | 115 | 2B            | 17        |
| L89                | B             | 138 | 62  | 1B            | 19        | L163               | A             | 97  | 136 | 8E            | 12        | L237               | B             | 139 | 119 | 2B            | 17        |
| L90                | A             | 68  | 38  | 2D            | 36        | L164               | B             | 158 | 54  | 5B            | 19        | L238               | B             | 139 | 124 | 2B            | 17        |
| L91                | A             | 12  | 60  | 1E            | 36        | L165               | B             | 155 | 53  | 4B            | 19        | L239               | B             | 139 | 133 | 3B            | 17        |
| L92                | A             | 42  | 93  | 2C            | 36        | L166               | B             | 152 | 53  | 4B            | 19        | L240               | B             | 134 | 134 | 3B            | 17        |
| L93                | A             | 20  | 93  | 1A            | 36        | L167               | B             | 148 | 53  | 4B            | 19        | L241               | B             | 139 | 144 | 4B            | 17        |
| L94                | A             | 82  | 98  | 2C            | 36        | L168               | B             | 165 | 91  | 5B            | 21        | L242               | B             | 162 | 139 | 2B            | 18        |
| L95                | A             | 135 | 126 | 5A            | 36        | L169               | B             | 164 | 89  | 4B            | 21        | L243               | B             | 166 | 128 | 2B            | 18        |
| L96                | A             | 79  | 40  | 3D            | 36        | L170               | B             | 162 | 87  | 4C            | 21        | L244               | B             | 201 | 136 | 7B            | 18        |
| L97                | B             | 78  | 97  | 4C            | 7         | L171               | B             | 157 | 90  | 3C            | 21        | L245               | B             | 208 | 133 | 8B            | 18        |
| L98                | B             | 67  | 75  | 2C            | 5         | L172               | B             | 151 | 82  | 1B            | 21        | L246               | B             | 179 | 143 | 3B            | 18        |
| L99                | B             | 60  | 21  | 4C            | 3         | L173               | B             | 219 | 61  | 6B            | 20        | L247               | B             | 177 | 130 | 3B            | 18        |
| L100               | B             | 39  | 68  | 7C            | 4         | L174               | B             | 218 | 52  | 6C            | 20        | L248               | B             | 172 | 125 | 3C            | 18        |
| L101               | A             | 254 | 23  | 5E            | 29        | L175               | B             | 215 | 54  | 6C            | 20        | L249               | B             | 168 | 144 | 3C            | 18        |
| L102               | A             | 255 | 27  | 5E            | 29        | L176               | B             | 175 | 54  | 8B            | 19        | L250               | B             | 173 | 139 | 3B            | 18        |
| L103               | B             | 40  | 113 | 2D            | 8         | L177               | B             | 172 | 68  | 7C            | 19        | L251               | B             | 170 | 125 | 3B            | 18        |
| L104               | B             | 35  | 138 | 3C            | 12        | L178               | B             | 172 | 61  | 7B            | 19        | L252               | B             | 157 | 112 | 5C            | 23        |
| L105               | B             | 31  | 137 | 3C            | 12        | L179               | B             | 175 | 69  | 8C            | 19        | L253               | B             | 170 | 118 | 2B            | 24        |
| L106               | B             | 33  | 137 | 3C            | 12        | L180               | B             | 175 | 61  | 8B            | 19        | L254               | B             | 176 | 111 | 3C            | 24        |
| L107               | B             | 47  | 140 | 4C            | 12        | L181               | B             | 176 | 61  | 8B            | 19        | L255               | B             | 177 | 114 | 3C            | 24        |
| L108               | B             | 61  | 140 | 7A            | 12        | L182               | B             | 218 | 61  | 6B            | 20        | L256               | B             | 174 | 110 | 2C            | 24        |
| L109               | B             | 29  | 132 | 2B            | 12        | L183               | B             | 157 | 107 | 6C            | 23        | L257               | B             | 44  | 31  | 7E            | 4         |
| L110               | A             | 105 | 129 | 4B            | 36        | L184               | B             | 183 | 68  | 3C            | 20        | L258               | B             | 191 | 112 | 5B            | 24        |
| L111               | A             | 181 | 92  | 5C            | 36        | L185               | B             | 193 | 66  | 4B            | 20        | L259               | B             | 198 | 110 | 5B            | 24        |
| L112               | A             | 185 | 136 | 5A            | 36        | L186               | B             | 193 | 58  | 4B            | 20        | L260               | B             | 34  | 128 | 4D            | 12        |
| L113               | A             | 158 | 110 | 5B            | 36        | L187               | B             | 194 | 53  | 4C            | 20        | L261               | B             | 172 | 107 | 2C            | 24        |
| L114               | A             | 206 | 110 | 5B            | 36        | L188               | B             | 182 | 52  | 2B            | 20        | L262               | B             | 154 | 110 | 2C            | 23        |
| L115               | A             | 159 | 87  | 5B            | 36        | L189               | B             | 220 | 72  | 8B            | 20        | L263               | B             | 154 | 114 | 3C            | 23        |
| L116               | A             | 204 | 61  | 6A            | 36        | L190               | B             | 220 | 63  | 7B            | 20        | L264               | B             | 157 | 111 | 5C            | 23        |
| L117               | B             | 91  | 89  | 7D            | 6         | L191               | B             | 177 | 54  | 2B            | 20        | L265               | B             | 35  | 16  | 2C            | 4         |
| L118               | B             | 39  | 94  | 6C            | 7         | L192               | B             | 188 | 55  | 3B            | 20        | L266               | B             | 111 | 135 | 3D            | 13        |
| L119               | B             | 50  | 101 | 5C            | 7         | L193               | B             | 188 | 65  | 3B            | 20        | L267               | B             | 113 | 140 | 3D            | 13        |
| L120               | B             | 53  | 92  | 5C            | 7         | L194               | B             | 177 | 82  | 7C            | 21        | L268               | B             | 115 | 137 | 4D            | 13        |
| L121               | B             | 67  | 93  | 4C            | 7         | L195               | B             | 153 | 94  | 3C            | 21        | L269               | B             | 116 | 139 | 4D            | 13        |
| L122               | B             | 85  | 100 | 4C            | 7         | L196               | B             | 156 | 92  | 4C            | 21        | L270               | B             | 113 | 139 | 3D            | 13        |
| L123               | B             | 80  | 93  | 4C            | 7         | L197               | B             | 182 | 94  | 8B            | 21        | L271               | B             | 109 | 139 | 2D            | 13        |
| L124               | B             | 72  | 100 | 5C            | 7         | L198               | B             | 176 | 96  | 7B            | 21        | L272               | B             | 112 | 139 | 3D            | 13        |
| L125               | B             | 17  | 130 | 7B            | 11        | L199               | B             | 203 | 110 | 7B            | 24        | L273               | B             | 99  | 144 | 6B            | 13        |
| L126               | B             | 23  | 122 | 3B            | 11        | L200               | B             | 157 | 111 | 5C            | 23        | L274               | B             | 102 | 133 | 6B            | 13        |
| L127               | B             | 24  | 122 | 2B            | 11        | L201               | B             | 296 | 120 | 2B            | 27        | L275               | B             | 107 | 133 | 7B            | 13        |
| L128               | A             | 17  | 124 | 5D            | 11        | L202               | B             | 214 | 119 | 6B            | 25        | L276               | B             | 100 | 133 | 5B            | 13        |
| L129               | A             | 18  | 129 | 6D            | 11        | L203               | B             | 176 | 118 | 3B            | 24        | L277               | B             | 109 | 139 | 2D            | 13        |
| L130               | B             | 146 | 63  | 2C            | 19        | L204               | B             | 159 | 89  | 4C            | 21        | L278               | B             | 102 | 128 | 5B            | 13        |
| L131               | B             | 43  | 130 | 4A            | 12        | L205               | B             | 160 | 92  | 4C            | 21        | L279               | B             | 108 | 140 | 2D            | 13        |
| L132               | B             | 146 | 62  | 2B            | 19        | L206               | B             | 153 | 89  | 3C            | 21        | L280               | B             | 40  | 27  | 2D            | 4         |
| L133               | B             | 146 | 59  | 2B            | 19        | L207               | B             | 154 | 92  | 3B            | 21        | L281               | B             | 257 | 100 | 3B            | 28        |
| L134               | B             | 144 | 57  | 3B            | 19        | L208               | B             | 152 | 92  | 3B            | 21        | L282               | B             | 177 | 58  | 2B            | 20        |
| L135               | B             | 147 | 58  | 2C            | 19        | L209               | B             | 152 | 86  | 2B            | 21        | L283               | B             | 187 | 92  | 1B            | 22        |
| L136               | B             | 42  | 80  | 7C            | 4         | L210               | B             | 182 | 79  | 8C            | 21        | L284               | B             | 167 | 135 | 2B            | 18        |
| L137               | B             | 45  | 71  | 7C            | 4         | L211               | B             | 155 | 86  | 2C            | 21        | L285               | B             | 235 | 139 | 1B            | 26        |
| L138               | B             | 50  | 78  | 7C            | 4         | L212               | B             | 152 | 88  | 2B            | 21        | L286               | B             | 242 | 140 | 2B            | 26        |
| L139               | B             | 46  | 68  | 8C            | 4         | L213               | B             | 216 | 94  | 7B            | 22        | L287               | B             | 163 | 60  | 5B            | 19        |
| L140               | B             | 53  | 80  | 8C            | 4         | L214               | B             | 199 | 91  | 3B            | 22        | L288               | B             | 199 | 63  | 4B            | 20        |
| L141               | B             | 215 | 61  | 6B            | 20        | L215               | B             | 189 | 97  | 2B            | 22        | L289               | B             | 204 | 96  | 4B            | 22        |
| L142               | B             | 218 | 68  | 6B            | 20        | L216               | B             | 186 | 96  | 1B            | 22        | L290               | B             | 154 | 135 | 6B            | 17        |
| L143               | B             | 65  | 60  | 3B            | 5         | L217               | B             | 209 | 77  | 5C            | 22        | L291               | B             | 183 | 135 | 4B            | 18        |
| L144               | B             | 59  | 47  | 4B            | 5         | L218               | B             | 212 | 77  | 6C            | 22        | L292               | B             | 193 | 135 | 6B            | 18        |
| L145               | B             | 69  | 70  | 3B            | 5         | L219               | B             | 213 | 90  | 6B            | 22        | L293               | A             | 96  | 132 | 7B            | 12        |
| L146               | B             | 85  | 97  | 8D            | 6         | L220               | B             | 216 | 103 | 8B            | 22        | L294               | B             | 111 | 78  | 2F            | 15        |
| L147               | B             | 87  | 60  | 5D            | 6         | L221               | B             | 157 | 115 | 5C            | 23        | L295               | B             | 144 | 141 | 4B            | 17        |
| L148               | B             | 96  | 59  | 5D            | 6         | L222               | B             | 156 | 116 | 4C            | 23        | L296               | B             | 292 | 92  | 3B            | 29        |
| L149               | B             | 87  | 63  | 5D            | 6         | L223               | B             | 139 | 109 | 2B            | 17        | L297               | B             | 287 | 92  | 2B            | 29        |
| L150               | B             | 94  | 49  | 4D            | 6         | L224               | B             | 137 | 115 | 2B            | 17        | L298               | B             | 247 | 140 | 2B            | 26        |
| L151               | B             | 88  | 55  | 4E            | 6         | L225               | B             | 153 | 135 | 6B            | 17        | L299               | B             | 257 | 94  | 4B            | 28        |



**ROHDE & SCHWARZ**

Benennung: EE 6-GHZ-ERWEITERUNG  
Designation: 6-GHZ-EXTENSION

Sprache: de  
Lang.: de

Blatt: 7 +  
Sh.: 7 +

Aei: 08.01  
C.I.: 08.01

Typ: SMIQ  
Type: SMIQ

Datum: 99-09-30  
Date: 99-09-30

Abteilung: 1GPK  
Dpt: 1GPK

Name: HO  
Name: HO

Sachnr.: 1084.9600.01 XY  
Part No.: 1084.9600.01 XY

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# Nicht-Service-Relevante Bauteile / Non-Service-Relevant Components

| el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg |
|--------------------|---------------|-----|-----|---------------|-----------|--------------------|---------------|-----|-----|---------------|-----------|--------------------|---------------|-----|-----|---------------|-----------|
| L300               | B             | 182 | 58  | 2B            | 20        | L374               | B             | 198 | 141 | 6B            | 18        | L448               | B             | 98  | 98  | 8C            | 6         |
| L301               | B             | 79  | 74  | 2A            | 5         | L375               | B             | 191 | 133 | 6C            | 18        | L449               | B             | 48  | 108 | 4C            | 8         |
| L302               | B             | 57  | 42  | 5A            | 5         | L376               | B             | 197 | 133 | 6C            | 18        | L450               | B             | 58  | 65  | 3C            | 5         |
| L303               | B             | 192 | 92  | 2B            | 22        | L377               | B             | 169 | 87  | 6B            | 21        | L451               | B             | 72  | 105 | 4E            | 8         |
| L304               | B             | 162 | 135 | 2B            | 18        | L378               | B             | 202 | 82  | 5A            | 22        | L452               | B             | 21  | 77  | 6B            | 9         |
| L305               | A             | 90  | 95  | 8A            | 6         | L379               | B             | 45  | 126 | 5D            | 12        | L453               | B             | 19  | 14  | 3A            | 4         |
| L306               | A             | 49  | 113 | 2A            | 8         | L380               | B             | 189 | 144 | 5A            | 18        | L454               | B             | 22  | 107 | 7C            | 10        |
| L307               | A             | 91  | 130 | 3A            | 36        | L381               | B             | 168 | 110 | 7B            | 23        | L455               | B             | 62  | 68  | 3C            | 5         |
| L308               | A             | 96  | 130 | 4A            | 36        | L382               | B             | 201 | 107 | 7A            | 24        | L456               | B             | 25  | 59  | 4D            | 9         |
| L309               | A             | 39  | 105 | 2E            | 11        | L383               | B             | 26  | 72  | 6B            | 9         | L457               | B             | 63  | 54  | 4B            | 5         |
| L310               | A             | 93  | 62  | 2E            | 5         | L384               | B             | 22  | 72  | 6C            | 9         | L458               | B             | 262 | 86  | 6A            | 28        |
| L311               | A             | 93  | 51  | 8D            | 5         | L385               | B             | 30  | 107 | 7B            | 10        | L459               | B             | 76  | 51  | 5C            | 5         |
| L312               | B             | 115 | 78  | 3D            | 15        | L386               | B             | 285 | 97  | 8A            | 28        | L460               | B             | 36  | 35  | 3D            | 4         |
| L313               | B             | 117 | 84  | 2C            | 15        | L387               | B             | 26  | 51  | 4D            | 9         | L461               | B             | 56  | 18  | 4B            | 3         |
| L314               | B             | 118 | 85  | 2C            | 15        | L388               | B             | 84  | 100 | 4C            | 7         | L462               | B             | 144 | 102 | 2A            | 23        |
| L315               | B             | 55  | 134 | 5A            | 12        | L389               | B             | 67  | 100 | 5C            | 7         | L463               | B             | 150 | 103 | 2A            | 23        |
| L316               | B             | 50  | 134 | 5A            | 12        | L390               | B             | 154 | 113 | 3C            | 23        | L464               | B             | 192 | 49  | 4D            | 20        |
| L317               | B             | 59  | 134 | 6A            | 12        | L391               | B             | 154 | 113 | 3C            | 23        | L465               | B             | 202 | 55  | 6D            | 20        |
| L318               | B             | 55  | 133 | 5B            | 12        | L392               | B             | 154 | 110 | 2C            | 23        | L466               | B             | 145 | 105 | 3A            | 23        |
| L319               | B             | 60  | 132 | 6B            | 12        | L393               | B             | 154 | 110 | 2C            | 23        | L467               | B             | 215 | 67  | 5A            | 20        |
| L320               | B             | 51  | 132 | 5B            | 12        | L394               | B             | 153 | 107 | 2C            | 23        | L468               | B             | 167 | 81  | 6A            | 21        |
| L321               | B             | 118 | 89  | 2C            | 15        | L395               | B             | 131 | 91  | 5B            | 15        | L469               | B             | 169 | 77  | 7E            | 21        |
| L322               | B             | 119 | 79  | 3C            | 15        | L396               | B             | 218 | 119 | 6B            | 25        | L470               | B             | 190 | 78  | 3D            | 22        |
| L323               | B             | 258 | 119 | 1C            | 28        | L397               | B             | 60  | 130 | 6B            | 12        | L471               | B             | 202 | 75  | 4A            | 22        |
| L324               | B             | 262 | 100 | 3C            | 28        | L398               | B             | 49  | 57  | 7E            | 4         | L472               | B             | 195 | 77  | 3D            | 22        |
| L325               | B             | 41  | 15  | 2C            | 4         | L399               | B             | 43  | 60  | 7E            | 4         | L473               | B             | 205 | 70  | 6D            | 22        |
| L326               | B             | 92  | 62  | 5D            | 6         | L400               | B             | 34  | 60  | 8E            | 4         | L474               | B             | 197 | 96  | 2C            | 22        |
| L327               | B             | 60  | 35  | 4A            | 5         | L401               | B             | 46  | 58  | 7E            | 4         | L475               | B             | 149 | 121 | 5D            | 17        |
| L328               | B             | 115 | 109 | 3B            | 14        | L402               | B             | 21  | 59  | 4C            | 9         | L476               | B             | 143 | 129 | 5A            | 17        |
| L329               | B             | 115 | 90  | 2D            | 15        | L403               | B             | 162 | 69  | 7D            | 19        | L477               | B             | 188 | 122 | 6D            | 18        |
| L330               | B             | 279 | 138 | 6B            | 26        | L404               | B             | 162 | 51  | 6A            | 19        | L478               | B             | 179 | 125 | 3D            | 18        |
| L331               | B             | 267 | 114 | 8A            | 27        | L405               | B             | 292 | 139 | 6B            | 26        | L479               | B             | 158 | 144 | 3D            | 18        |
| L332               | B             | 60  | 43  | 5A            | 5         | L406               | B             | 292 | 136 | 7B            | 26        | L480               | B             | 164 | 123 | 2C            | 18        |
| L333               | B             | 18  | 19  | 3A            | 4         | L407               | B             | 292 | 130 | 7B            | 26        | L481               | B             | 196 | 143 | 5A            | 18        |
| L334               | B             | 74  | 57  | 4C            | 5         | L408               | B             | 293 | 136 | 7B            | 26        | L482               | B             | 199 | 101 | 6A            | 24        |
| L335               | B             | 60  | 111 | 4D            | 8         | L409               | B             | 295 | 129 | 7B            | 26        | L483               | B             | 193 | 104 | 6C            | 24        |
| L336               | B             | 69  | 97  | 4C            | 7         | L410               | B             | 294 | 141 | 7B            | 26        | L484               | B             | 166 | 104 | 7B            | 23        |
| L337               | B             | 86  | 112 | 6D            | 8         | L411               | B             | 295 | 131 | 7C            | 26        | L485               | B             | 171 | 103 | 2E            | 24        |
| L338               | A             | 259 | 43  | 2C            | 29        | L412               | A             | 254 | 68  | 6D            | 36        | L486               | B             | 188 | 101 | 3E            | 24        |
| L339               | B             | 79  | 58  | 5C            | 5         | L413               | B             | 254 | 88  | 5A            | 28        | L487               | B             | 148 | 104 | 3A            | 23        |
| L340               | B             | 146 | 42  | 4D            | 36        | L414               | A             | 255 | 88  | 7D            | 36        | L488               | B             | 128 | 137 | 8C            | 13        |
| L341               | B             | 147 | 35  | 4D            | 36        | L415               | A             | 251 | 112 | 8D            | 36        | L489               | B             | 149 | 103 | 3A            | 23        |
| L342               | A             | 141 | 20  | 4E            | 36        | L416               | A             | 251 | 88  | 7D            | 36        | L490               | B             | 110 | 117 | 3A            | 14        |
| L343               | A             | 116 | 24  | 4E            | 36        | L417               | B             | 153 | 108 | 1C            | 23        | L491               | B             | 124 | 113 | 2D            | 14        |
| L344               | B             | 44  | 17  | 3C            | 4         | L418               | A             | 136 | 40  | 4D            | 36        | L492               | B             | 124 | 99  | 4C            | 14        |
| L345               | B             | 44  | 20  | 3C            | 4         | L419               | B             | 176 | 51  | 2C            | 20        | L494               | B             | 128 | 74  | 5C            | 15        |
| L346               | A             | 168 | 21  | 1B            | 31        | L420               | B             | 192 | 73  | 3D            | 20        | L497               | B             | 156 | 99  | 5A            | 15        |
| L347               | B             | 75  | 26  | 4F            | 3         | L421               | B             | 153 | 108 | 2C            | 23        | L498               | B             | 134 | 100 | 5A            | 15        |
| L348               | B             | 50  | 37  | 6E            | 4         | L422               | A             | 266 | 119 | 7A            | 36        | L501               | B             | 278 | 85  | 3B            | 29        |
| L349               | B             | 157 | 115 | 5C            | 23        | L423               | A             | 288 | 132 | 7A            | 36        | L502               | B             | 218 | 132 | 7A            | 25        |
| L350               | B             | 117 | 77  | 3D            | 15        | L424               | A             | 226 | 142 | 7A            | 36        | L505               | B             | 212 | 138 | 7A            | 25        |
| L351               | B             | 157 | 115 | 4C            | 23        | L425               | A             | 298 | 93  | 7A            | 36        | L506               | B             | 225 | 97  | 7D            | 25        |
| L352               | B             | 116 | 104 | 4C            | 14        | L426               | A             | 166 | 61  | 6A            | 36        | L507               | B             | 211 | 102 | 7E            | 25        |
| L353               | B             | 51  | 50  | 7E            | 4         | L427               | B             | 65  | 80  | 1B            | 5         | L508               | B             | 212 | 113 | 7B            | 25        |
| L354               | A             | 253 | 16  | 4D            | 29        | L428               | B             | 73  | 79  | 2B            | 5         | L509               | B             | 248 | 131 | 3A            | 26        |
| L355               | A             | 252 | 38  | 4D            | 29        | L429               | A             | 124 | 92  | 4A            | 36        | L510               | B             | 273 | 129 | 5C            | 26        |
| L356               | B             | 102 | 94  | 8B            | 6         | L430               | A             | 187 | 117 | 5C            | 36        | L511               | B             | 299 | 132 | 6E            | 26        |
| L357               | B             | 54  | 106 | 4C            | 8         | L431               | A             | 148 | 141 | 5C            | 36        | L512               | B             | 281 | 129 | 6A            | 26        |
| L358               | B             | 79  | 106 | 3E            | 8         | L432               | A             | 112 | 90  | 4C            | 36        | L513               | B             | 270 | 106 | 8A            | 27        |
| L359               | B             | 131 | 99  | 5B            | 15        | L433               | A             | 121 | 76  | 4C            | 36        | L514               | B             | 277 | 105 | 7C            | 27        |
| L360               | B             | 168 | 53  | 6B            | 19        | L434               | A             | 108 | 140 | 4A            | 36        | L515               | B             | 292 | 97  | 8A            | 28        |
| L361               | B             | 37  | 140 | 4C            | 12        | L435               | B             | 145 | 102 | 1A            | 23        | L516               | A             | 20  | 60  | 6A            | 9         |
| L362               | B             | 155 | 116 | 4C            | 23        | L436               | B             | 145 | 104 | 2A            | 23        | L517               | B             | 145 | 107 | 3A            | 23        |
| L363               | B             | 155 | 116 | 4C            | 23        | L437               | A             | 199 | 83  | 5B            | 36        | L518               | B             | 145 | 109 | 4A            | 23        |
| L364               | B             | 195 | 85  | 3C            | 22        | L438               | A             | 219 | 128 | 6B            | 36        | L519               | B             | 146 | 107 | 4A            | 23        |
| L365               | B             | 199 | 82  | 3C            | 22        | L439               | A             | 135 | 89  | 6B            | 36        | L520               | B             | 145 | 107 | 4A            | 23        |
| L366               | B             | 200 | 91  | 3B            | 22        | L440               | B             | 46  | 136 | 4B            | 12        | L521               | B             | 189 | 110 | 4C            | 24        |
| L367               | B             | 196 | 91  | 2B            | 22        | L441               | B             | 116 | 110 | 3C            | 14        | L522               | B             | 184 | 111 | 4C            | 24        |
| L368               | B             | 199 | 94  | 3B            | 22        | L442               | B             | 40  | 33  | 3D            | 4         | L523               | B             | 191 | 118 | 4B            | 24        |
| L369               | B             | 210 | 89  | 5B            | 22        | L443               | B             | 79  | 80  | 2B            | 5         | L524               | B             | 185 | 118 | 4B            | 24        |
| L370               | B             | 216 | 113 | 7B            | 25        | L444               | B             | 68  | 54  | 4C            | 5         | L525               | B             | 186 | 110 | 4C            | 24        |
| L371               | B             | 159 | 132 | 7C            | 17        | L445               | B             | 78  | 54  | 5C            | 5         | L526               | B             | 182 | 110 | 4C            | 24        |
| L372               | B             | 151 | 132 | 6C            | 17        | L446               | B             | 78  | 24  | 4E            | 3         | L527               | B             | 70  | 38  | 6B            | 5         |
| L373               | B             | 191 | 135 | 5B            | 18        | L447               | B             | 25  | 10  | 2A            | 4         | L528               | B             | 74  | 118 | 7C            | 8         |

|                                                                                                                |  |                                                                 |  |                              |  |                        |  |                                                       |  |
|----------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------|--|------------------------------|--|------------------------|--|-------------------------------------------------------|--|
|  <b>ROHDE &amp; SCHWARZ</b> |  | Benennung: EE 6-GHZ-ERWEITERUNG<br>Designation: 6-GHZ-EXTENSION |  | Sprache: de<br>Lang.: de     |  | Blatt: 8 +<br>Sh.: 8 + |  | Aei: 08.01<br>C.I.: 08.01                             |  |
| Typ: SMIQ<br>Type: SMIQ                                                                                        |  | Datum: 99-09-30<br>Date: 99-09-30                               |  | Abteilung: 1GPK<br>Dpt: 1GPK |  | Name: HO<br>Name: HO   |  | Sachnr.: 1084.9600.01 XY<br>Part No.: 1084.9600.01 XY |  |

# Nicht-Service-Relevante Bauteile / Non-Service-Relevant Components

| el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg |
|--------------------|---------------|-----|-----|---------------|-----------|--------------------|---------------|-----|-----|---------------|-----------|--------------------|---------------|-----|-----|---------------|-----------|
| L529               | B             | 279 | 143 | 6B            | 26        | L605               | B             | 121 | 104 | 4C            | 14        | N26                | B             | 256 | 39  | 2E            | 30        |
| L530               | B             | 267 | 116 | 7B            | 27        | L607               | B             | 128 | 80  | 5C            | 15        | N26                | B             | 256 | 39  | 7B            | 30        |
| L531               | B             | 19  | 74  | 6C            | 9         | L610               | B             | 148 | 98  | 5A            | 15        | N27                | A             | 258 | 62  | 1E            | 30        |
| L532               | B             | 120 | 121 | 2C            | 14        | L611               | B             | 136 | 93  | 5A            | 15        | N27                | A             | 258 | 62  | 5B            | 30        |
| L533               | B             | 139 | 107 | 1B            | 17        | L614               | B             | 286 | 86  | 3B            | 29        | N28                | A             | 257 | 55  | 5D            | 30        |
| L534               | B             | 93  | 135 | 4A            | 13        | L615               | B             | 213 | 128 | 6A            | 25        | N28                | A             | 257 | 55  | 5E            | 30        |
| L535               | B             | 123 | 78  | 3C            | 15        | L618               | B             | 211 | 131 | 6A            | 25        | N29                | A             | 285 | 26  | 2D            | 31        |
| L536               | B             | 17  | 118 | 4B            | 11        | L619               | B             | 225 | 105 | 6D            | 25        | N29                | A             | 285 | 26  | 7D            | 31        |
| L537               | B             | 13  | 118 | 4B            | 11        | L620               | B             | 213 | 108 | 6E            | 25        | N30                | A             | 39  | 130 | 6D            | 12        |
| L538               | B             | 13  | 119 | 4B            | 11        | L621               | B             | 255 | 131 | 3B            | 26        | N30                | A             | 39  | 130 | 7D            | 12        |
| L539               | B             | 13  | 124 | 5B            | 11        | L622               | B             | 264 | 139 | 4B            | 26        | N31                | A             | 59  | 66  | 6D            | 5         |
| L540               | B             | 13  | 129 | 5B            | 11        | L624               | B             | 279 | 136 | 6A            | 26        | N31                | A             | 59  | 66  | 7C            | 5         |
| L541               | B             | 96  | 39  | 2D            | 6         | L625               | B             | 266 | 110 | 8A            | 27        | N32                | B             | 234 | 60  | 3A            | 31        |
| L542               | B             | 101 | 39  | 2D            | 6         | L626               | B             | 285 | 115 | 6B            | 27        | N32                | B             | 234 | 60  | 5B            | 31        |
| L543               | B             | 109 | 39  | 3D            | 6         | L627               | B             | 281 | 116 | 6B            | 27        | N35                | B             | 254 | 140 | 3B            | 26        |
| L544               | B             | 113 | 46  | 3D            | 6         | L628               | B             | 283 | 116 | 6B            | 27        | N36                | B             | 263 | 92  | 5B            | 28        |
| L545               | B             | 113 | 51  | 3D            | 6         | L629               | B             | 35  | 115 | 2C            | 8         | N37                | B             | 279 | 93  | 8B            | 28        |
| L546               | B             | 14  | 116 | 4C            | 11        | L630               | B             | 40  | 120 | 2B            | 8         | N38                | B             | 63  | 26  | 3D            | 3         |
| L547               | B             | 11  | 120 | 5C            | 11        | L631               | B             | 58  | 107 | 4D            | 8         | N39                | B             | 79  | 13  | 3E            | 3         |
| L548               | B             | 11  | 127 | 5C            | 11        | L632               | B             | 67  | 107 | 4E            | 8         | N40                | A             | 12  | 118 | 4D            | 11        |
| L549               | B             | 11  | 131 | 5C            | 11        | L633               | B             | 55  | 23  | 4C            | 3         | N40                | A             | 12  | 118 | 4E            | 11        |
| L550               | B             | 12  | 132 | 5B            | 11        | L634               | B             | 116 | 95  | 5C            | 14        | P6                 | B             | 263 | 39  | 6E            | 29        |
| L551               | B             | 290 | 131 | 8B            | 26        | L635               | B             | 88  | 132 | 3B            | 13        | P7                 | B             | 263 | 35  | 6A            | 29        |
| L552               | B             | 160 | 107 | 6C            | 23        | L636               | B             | 90  | 130 | 3B            | 13        | P10                | B             | 263 | 48  | 6C            | 29        |
| L555               | B             | 25  | 93  | 3D            | 10        | L637               | B             | 89  | 134 | 2B            | 13        | P11                | B             | 292 | 82  | 6B            | 29        |
| L556               | B             | 26  | 91  | 4D            | 10        | L638               | B             | 89  | 132 | 3B            | 13        | P12                | B             | 263 | 60  | 6C            | 29        |
| L557               | B             | 29  | 93  | 4D            | 10        | L639               | B             | 90  | 130 | 3B            | 13        | P22                | B             | 44  | 128 | 6D            | 12        |
| L558               | B             | 32  | 93  | 4D            | 10        | L640               | B             | 91  | 130 | 3B            | 13        | P27                | B             | 60  | 126 | 7D            | 12        |
| L559               | B             | 32  | 92  | 4D            | 10        | L642               | B             | 94  | 128 | 4B            | 13        | P29                | B             | 263 | 55  | 6D            | 29        |
| L560               | B             | 33  | 95  | 4D            | 10        | L643               | B             | 119 | 139 | 5D            | 13        | R1                 | B             | 237 | 140 | 1C            | 26        |
| L561               | B             | 33  | 101 | 5D            | 10        | L644               | B             | 122 | 139 | 5D            | 13        | R2                 | B             | 24  | 17  | 4B            | 4         |
| L562               | B             | 30  | 102 | 5D            | 10        | L645               | B             | 121 | 135 | 5D            | 13        | R3                 | B             | 28  | 32  | 4E            | 4         |
| L563               | B             | 27  | 102 | 6D            | 10        | L646               | B             | 121 | 136 | 6D            | 13        | R4                 | B             | 120 | 95  | 1C            | 15        |
| L564               | B             | 24  | 102 | 6D            | 10        | L647               | B             | 123 | 140 | 5E            | 13        | R5                 | A             | 19  | 132 | 2A            | 12        |
| L565               | B             | 15  | 87  | 1D            | 10        | L648               | B             | 123 | 137 | 6E            | 13        | R6                 | A             | 16  | 136 | 2A            | 12        |
| L566               | B             | 15  | 88  | 1D            | 10        | L650               | B             | 118 | 137 | 5E            | 13        | R7                 | A             | 71  | 72  | 7C            | 5         |
| L567               | B             | 15  | 90  | 2D            | 10        | N1                 | B             | 242 | 60  | 4E            | 33        | R8                 | A             | 281 | 115 | 8D            | 31        |
| L568               | B             | 15  | 88  | 2D            | 10        | N1                 | B             | 242 | 60  | 5E            | 33        | R9                 | A             | 73  | 19  | 4E            | 3         |
| L569               | B             | 15  | 91  | 2D            | 10        | N1                 | B             | 242 | 60  | 6C            | 33        | R10                | A             | 277 | 106 | 7C            | 27        |
| L570               | B             | 16  | 90  | 2D            | 10        | N2                 | A             | 241 | 83  | 2E            | 34        | R11                | B             | 241 | 140 | 2C            | 26        |
| L571               | B             | 17  | 93  | 3D            | 10        | N2                 | A             | 241 | 83  | 5B            | 34        | R12                | B             | 83  | 24  | 5E            | 3         |
| L572               | B             | 22  | 93  | 3D            | 10        | N2                 | A             | 241 | 83  | 5D            | 34        | R13                | A             | 218 | 63  | 4A            | 20        |
| L573               | B             | 22  | 91  | 3D            | 10        | N2                 | A             | 241 | 83  | 7B            | 34        | R14                | A             | 100 | 94  | 8B            | 6         |
| L574               | B             | 196 | 117 | 6B            | 24        | N2                 | A             | 241 | 83  | 7D            | 34        | R15                | B             | 194 | 83  | 3C            | 22        |
| L575               | B             | 93  | 97  | 8D            | 6         | N3                 | B             | 93  | 91  | 7D            | 6         | R16                | B             | 198 | 82  | 3C            | 22        |
| L576               | B             | 14  | 111 | 7D            | 10        | N4                 | B             | 40  | 107 | 2D            | 8         | R17                | B             | 69  | 77  | 2C            | 5         |
| L577               | B             | 16  | 112 | 8D            | 10        | N5                 | A             | 169 | 41  | 2C            | 35        | R18                | A             | 95  | 94  | 8B            | 6         |
| L578               | B             | 121 | 122 | 1C            | 14        | N6                 | B             | 34  | 43  | 5E            | 4         | R19                | B             | 83  | 26  | 5E            | 3         |
| L579               | B             | 196 | 113 | 5B            | 24        | N9                 | B             | 202 | 115 | 6B            | 24        | R20                | B             | 83  | 22  | 5E            | 3         |
| L580               | B             | 168 | 72  | 7D            | 19        | N11                | A             | 148 | 35  | 1E            | 35        | R21                | B             | 69  | 44  | 5B            | 5         |
| L581               | B             | 117 | 121 | 2C            | 14        | N11                | A             | 148 | 35  | 3C            | 35        | R22                | A             | 248 | 137 | 2A            | 26        |
| L582               | B             | 265 | 139 | 4B            | 26        | N11                | A             | 148 | 35  | 4A            | 35        | R23                | A             | 124 | 98  | 4D            | 14        |
| L583               | B             | 182 | 51  | 2C            | 20        | N11                | A             | 148 | 35  | 4C            | 35        | R24                | B             | 220 | 65  | 7B            | 20        |
| L584               | B             | 184 | 72  | 3D            | 20        | N11                | A             | 148 | 35  | 4D            | 35        | R25                | B             | 220 | 70  | 8B            | 20        |
| L585               | B             | 187 | 53  | 4D            | 20        | N12                | A             | 293 | 138 | 7E            | 26        | R26                | A             | 178 | 65  | 2F            | 20        |
| L586               | B             | 209 | 54  | 6D            | 20        | N12                | A             | 293 | 138 | 8D            | 26        | R27                | A             | 195 | 81  | 2F            | 22        |
| L587               | B             | 209 | 66  | 5A            | 20        | N13                | B             | 241 | 17  | 7E            | 32        | R28                | B             | 215 | 101 | 8B            | 22        |
| L588               | B             | 176 | 78  | 7E            | 21        | N13                | B             | 241 | 17  | 8C            | 32        | R29                | B             | 215 | 96  | 7B            | 22        |
| L589               | B             | 191 | 82  | 3C            | 22        | N13                | B             | 241 | 17  | 8D            | 32        | R30                | A             | 168 | 143 | 2E            | 18        |
| L590               | B             | 195 | 79  | 3C            | 22        | N13                | B             | 241 | 17  | 8D            | 32        | R31                | A             | 201 | 116 | 6E            | 24        |
| L591               | B             | 212 | 72  | 6D            | 22        | N13                | B             | 241 | 17  | 8E            | 32        | R32                | B             | 92  | 38  | 2D            | 6         |
| L592               | B             | 191 | 97  | 2C            | 22        | N14                | B             | 25  | 142 | 2C            | 12        | R33                | B             | 225 | 139 | 7C            | 25        |
| L593               | B             | 157 | 123 | 6D            | 17        | N15                | B             | 19  | 68  | 6C            | 9         | R34                | B             | 202 | 136 | 7B            | 18        |
| L594               | B             | 146 | 135 | 5B            | 17        | N16                | A             | 123 | 83  | 2B            | 15        | R35                | B             | 206 | 136 | 8B            | 18        |
| L595               | B             | 192 | 122 | 6D            | 18        | N16                | A             | 123 | 83  | 3E            | 15        | R36                | A             | 44  | 126 | 6D            | 12        |
| L596               | B             | 175 | 122 | 3D            | 18        | N17                | B             | 16  | 102 | 6D            | 10        | R37                | A             | 60  | 73  | 6D            | 5         |
| L597               | B             | 165 | 141 | 3D            | 18        | N18                | B             | 167 | 63  | 6B            | 19        | R38                | A             | 58  | 26  | 4B            | 3         |
| L598               | B             | 167 | 126 | 2C            | 18        | N19                | B             | 206 | 63  | 5B            | 20        | R39                | A             | 251 | 138 | 3A            | 26        |
| L599               | B             | 197 | 109 | 6C            | 24        | N20                | B             | 171 | 95  | 6B            | 21        | R40                | B             | 60  | 129 | 6B            | 12        |
| L600               | B             | 177 | 105 | 2D            | 24        | N21                | B             | 206 | 88  | 4B            | 22        | R41                | A             | 73  | 24  | 4F            | 3         |
| L601               | B             | 183 | 104 | 3D            | 24        | N22                | B             | 150 | 141 | 5B            | 17        | R42                | A             | 287 | 112 | 3E            | 27        |
| L602               | B             | 128 | 129 | 8D            | 13        | N23                | B             | 186 | 138 | 4B            | 18        | R43                | A             | 224 | 26  | 3C            | 33        |
| L603               | B             | 112 | 110 | 3B            | 14        | N24                | B             | 163 | 113 | 7C            | 23        | R44                | A             | 51  | 117 | 2A            | 8         |
| L604               | B             | 262 | 138 | 4B            | 26        | N25                | B             | 124 | 127 | 7D            | 13        | R45                | A             | 268 | 106 | 5E            | 28        |



**ROHDE & SCHWARZ**

Benennung: EE 6-GHZ-ERWEITERUNG  
Designation: 6-GHZ-EXTENSION

Sprache:  
Lang.: de

Blatt:  
Sh.: 9 +

Aer:  
C.I.: 08.01

Typ: SMIQ

Datum: 99-09-30

Abteilung: 1GPK

Name: HO

Sachnr.: 1084.9600.01 XY  
Part No.:

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# Nicht-Service-Relevante Bauteile / Non-Service-Relevant Components

| el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg |
|--------------------|---------------|-----|-----|---------------|-----------|--------------------|---------------|-----|-----|---------------|-----------|--------------------|---------------|-----|-----|---------------|-----------|
| R46                | A             | 239 | 77  | 2A            | 16        | R124               | A             | 60  | 23  | 4B            | 3         | R204               | A             | 213 | 31  | 2B            | 33        |
| R47                | A             | 243 | 77  | 2A            | 16        | R125               | B             | 52  | 126 | 5D            | 12        | R205               | A             | 226 | 24  | 2C            | 33        |
| R48                | B             | 233 | 124 | 4F            | 16        | R126               | A             | 195 | 40  | 5F            | 32        | R206               | A             | 221 | 19  | 2C            | 33        |
| R49                | A             | 153 | 80  | 5C            | 15        | R127               | A             | 76  | 115 | 2F            | 8         | R207               | A             | 59  | 127 | 7E            | 12        |
| R50                | A             | 147 | 73  | 5D            | 15        | R128               | A             | 183 | 72  | 2F            | 20        | R208               | A             | 57  | 129 | 7E            | 12        |
| R51                | B             | 251 | 68  | 4C            | 30        | R129               | A             | 189 | 84  | 2F            | 22        | R209               | A             | 168 | 55  | 2E            | 20        |
| R52                | A             | 20  | 42  | 8D            | 12        | R130               | A             | 165 | 138 | 2F            | 18        | R210               | A             | 29  | 127 | 4E            | 12        |
| R53                | B             | 37  | 135 | 4D            | 12        | R131               | A             | 248 | 46  | 5C            | 33        | R211               | A             | 35  | 133 | 6D            | 12        |
| R54                | B             | 69  | 47  | 5B            | 5         | R132               | A             | 200 | 111 | 6E            | 24        | R212               | A             | 51  | 129 | 6D            | 12        |
| R55                | B             | 121 | 118 | 2C            | 14        | R133               | A             | 76  | 112 | 2F            | 8         | R213               | B             | 229 | 109 | 5D            | 17        |
| R56                | B             | 270 | 135 | 5C            | 26        | R134               | A             | 180 | 70  | 2F            | 20        | R214               | A             | 53  | 127 | 7D            | 12        |
| R57                | A             | 57  | 118 | 2A            | 8         | R135               | A             | 192 | 94  | 2F            | 22        | R215               | A             | 40  | 138 | 1F            | 12        |
| R58                | B             | 230 | 65  | 2B            | 31        | R136               | B             | 289 | 105 | 5C            | 27        | R216               | A             | 209 | 31  | 2C            | 33        |
| R59                | A             | 218 | 66  | 4A            | 20        | R137               | B             | 289 | 122 | 2C            | 27        | R217               | A             | 13  | 16  | 2A            | 4         |
| R60                | A             | 219 | 66  | 4A            | 20        | R138               | B             | 293 | 105 | 5C            | 27        | R218               | A             | 235 | 28  | 2D            | 33        |
| R61                | B             | 19  | 19  | 4B            | 4         | R139               | B             | 287 | 119 | 2C            | 27        | R219               | A             | 70  | 40  | 4F            | 5         |
| R62                | B             | 31  | 35  | 4E            | 4         | R140               | A             | 168 | 139 | 2E            | 18        | R220               | A             | 62  | 55  | 7D            | 5         |
| R63                | A             | 54  | 80  | 2E            | 5         | R141               | A             | 196 | 109 | 6E            | 24        | R221               | A             | 62  | 58  | 7D            | 5         |
| R64                | B             | 172 | 36  | 3F            | 35        | R142               | A             | 168 | 24  | 1B            | 31        | R222               | A             | 18  | 16  | 2A            | 4         |
| R65                | A             | 247 | 65  | 5E            | 30        | R143               | B             | 255 | 117 | 1C            | 28        | R223               | A             | 57  | 66  | 6D            | 5         |
| R66                | A             | 247 | 62  | 5E            | 30        | R144               | A             | 251 | 118 | 1D            | 28        | R224               | A             | 59  | 64  | 6C            | 5         |
| R67                | B             | 250 | 62  | 4B            | 30        | R145               | B             | 267 | 100 | 3C            | 28        | R225               | A             | 56  | 144 | 7C            | 12        |
| R68                | A             | 291 | 93  | 7A            | 28        | R146               | A             | 271 | 100 | 3D            | 28        | R226               | A             | 71  | 71  | 7C            | 5         |
| R69                | A             | 291 | 94  | 7A            | 28        | R147               | A             | 58  | 37  | 5E            | 5         | R227               | A             | 67  | 51  | 4E            | 5         |
| R70                | B             | 26  | 64  | 5D            | 9         | R148               | A             | 121 | 102 | 8D            | 14        | R228               | B             | 218 | 52  | 6C            | 20        |
| R71                | B             | 277 | 111 | 7B            | 27        | R149               | B             | 169 | 43  | 3E            | 35        | R229               | B             | 213 | 53  | 6C            | 20        |
| R72                | A             | 32  | 22  | 2D            | 4         | R150               | B             | 19  | 63  | 5C            | 9         | R230               | B             | 175 | 71  | 8C            | 19        |
| R73                | A             | 260 | 88  | 5A            | 28        | R151               | B             | 299 | 139 | 5E            | 26        | R231               | B             | 172 | 71  | 7C            | 19        |
| R74                | A             | 141 | 43  | 4C            | 35        | R152               | A             | 243 | 90  | 5D            | 34        | R232               | A             | 115 | 104 | 7C            | 14        |
| R75                | A             | 260 | 90  | 5A            | 28        | R153               | A             | 232 | 91  | 5B            | 34        | R233               | B             | 182 | 69  | 3C            | 20        |
| R76                | A             | 180 | 53  | 2D            | 20        | R154               | A             | 245 | 77  | 7E            | 34        | R234               | B             | 192 | 53  | 4C            | 20        |
| R77                | A             | 25  | 63  | 6A            | 9         | R155               | A             | 231 | 88  | 8B            | 34        | R235               | B             | 179 | 81  | 7D            | 21        |
| R78                | A             | 28  | 100 | 7B            | 10        | R156               | A             | 289 | 122 | 2E            | 27        | R236               | B             | 181 | 78  | 8D            | 21        |
| R79                | A             | 185 | 56  | 1D            | 20        | R157               | A             | 261 | 107 | 4D            | 28        | R237               | A             | 296 | 110 | 5D            | 27        |
| R80                | B             | 186 | 108 | 4C            | 24        | R158               | B             | 20  | 142 | 1C            | 12        | R238               | B             | 233 | 22  | 8D            | 32        |
| R81                | A             | 199 | 97  | 2D            | 22        | R159               | B             | 14  | 18  | 5B            | 4         | R239               | A             | 231 | 131 | 4B            | 16        |
| R82                | B             | 182 | 108 | 4C            | 24        | R160               | B             | 29  | 15  | 1C            | 4         | R240               | B             | 213 | 75  | 6C            | 22        |
| R83                | A             | 85  | 109 | 2E            | 8         | R161               | A             | 233 | 18  | 3E            | 29        | R241               | B             | 208 | 75  | 5C            | 22        |
| R84                | A             | 200 | 85  | 1D            | 22        | R162               | B             | 67  | 43  | 5B            | 5         | R242               | B             | 151 | 125 | 6C            | 17        |
| R85                | B             | 172 | 41  | 3E            | 35        | R163               | B             | 141 | 62  | 1C            | 19        | R243               | B             | 160 | 125 | 7C            | 17        |
| R86                | A             | 161 | 131 | 1D            | 18        | R164               | B             | 70  | 44  | 5B            | 5         | R244               | B             | 195 | 124 | 6C            | 18        |
| R87                | A             | 23  | 67  | 6B            | 9         | R165               | B             | 149 | 62  | 2C            | 19        | R245               | B             | 201 | 126 | 6C            | 18        |
| R88                | B             | 169 | 38  | 3E            | 35        | R166               | A             | 88  | 62  | 3E            | 5         | R246               | A             | 299 | 129 | 3C            | 27        |
| R89                | A             | 160 | 122 | 2D            | 18        | R167               | A             | 88  | 51  | 8D            | 5         | R247               | B             | 166 | 144 | 3C            | 18        |
| R90                | A             | 259 | 107 | 4D            | 28        | R168               | B             | 238 | 15  | 7C            | 32        | R248               | B             | 172 | 124 | 3C            | 18        |
| R91                | A             | 187 | 106 | 5D            | 24        | R169               | A             | 240 | 92  | 5B            | 34        | R249               | B             | 232 | 18  | 7D            | 32        |
| R92                | B             | 181 | 107 | 3D            | 24        | R170               | A             | 230 | 83  | 7B            | 34        | R250               | A             | 256 | 116 | 2D            | 28        |
| R93                | A             | 189 | 102 | 6D            | 24        | R171               | A             | 101 | 136 | 8E            | 12        | R251               | A             | 124 | 112 | 2D            | 14        |
| R94                | A             | 130 | 72  | 5C            | 15        | R172               | B             | 253 | 44  | 3C            | 29        | R252               | A             | 255 | 108 | 5C            | 28        |
| R95                | B             | 245 | 68  | 5E            | 33        | R174               | B             | 239 | 27  | 7D            | 32        | R253               | A             | 113 | 116 | 2F            | 14        |
| R96                | B             | 22  | 45  | 4F            | 9         | R175               | B             | 231 | 17  | 7D            | 32        | R254               | A             | 92  | 136 | 8E            | 12        |
| R97                | A             | 22  | 102 | 7B            | 10        | R176               | B             | 234 | 18  | 8E            | 32        | R255               | A             | 60  | 80  | 6C            | 5         |
| R98                | A             | 34  | 24  | 2D            | 4         | R177               | A             | 240 | 79  | 6D            | 34        | R256               | A             | 20  | 120 | 5D            | 11        |
| R99                | B             | 91  | 39  | 2D            | 6         | R178               | A             | 244 | 80  | 7D            | 34        | R257               | A             | 283 | 47  | 2A            | 29        |
| R101               | B             | 59  | 134 | 6A            | 12        | R179               | A             | 231 | 86  | 8B            | 34        | R258               | A             | 14  | 124 | 5E            | 11        |
| R105               | A             | 258 | 31  | 6E            | 29        | R180               | A             | 244 | 89  | 5D            | 34        | R259               | A             | 15  | 112 | 3D            | 11        |
| R106               | A             | 258 | 34  | 6E            | 29        | R181               | A             | 235 | 91  | 5B            | 34        | R260               | A             | 25  | 119 | 3E            | 11        |
| R107               | A             | 258 | 32  | 6A            | 29        | R182               | B             | 233 | 15  | 8E            | 32        | R261               | A             | 276 | 22  | 7E            | 31        |
| R108               | A             | 258 | 27  | 6A            | 29        | R183               | A             | 244 | 86  | 4D            | 34        | R262               | A             | 195 | 38  | 4D            | 32        |
| R109               | A             | 58  | 142 | 7C            | 12        | R184               | B             | 245 | 20  | 8E            | 32        | R263               | B             | 246 | 43  | 8A            | 32        |
| R110               | B             | 246 | 68  | 5E            | 33        | R185               | B             | 48  | 111 | 3C            | 8         | R264               | B             | 264 | 23  | 4D            | 32        |
| R111               | A             | 244 | 105 | 2D            | 34        | R186               | A             | 124 | 108 | 6C            | 14        | R265               | B             | 230 | 23  | 5B            | 32        |
| R112               | A             | 108 | 20  | 3E            | 36        | R187               | A             | 48  | 144 | 4F            | 12        | R266               | B             | 230 | 25  | 5B            | 32        |
| R113               | A             | 115 | 19  | 3E            | 36        | R188               | A             | 248 | 64  | 6E            | 30        | R267               | B             | 230 | 26  | 5B            | 32        |
| R114               | A             | 109 | 25  | 3E            | 36        | R189               | B             | 245 | 18  | 8C            | 32        | R268               | B             | 230 | 28  | 5B            | 32        |
| R115               | B             | 52  | 134 | 5A            | 12        | R191               | B             | 245 | 17  | 8C            | 32        | R269               | B             | 230 | 30  | 5B            | 32        |
| R116               | A             | 292 | 128 | 8E            | 26        | R193               | B             | 245 | 27  | 8C            | 32        | R270               | B             | 230 | 31  | 5B            | 32        |
| R117               | A             | 119 | 107 | 6C            | 14        | R195               | B             | 234 | 23  | 8D            | 32        | R271               | B             | 218 | 39  | 4B            | 32        |
| R118               | B             | 292 | 131 | 7B            | 26        | R197               | B             | 241 | 15  | 7C            | 32        | R272               | B             | 208 | 30  | 4B            | 32        |
| R119               | A             | 204 | 80  | 4A            | 22        | R199               | B             | 245 | 24  | 8D            | 32        | R273               | B             | 228 | 15  | 4A            | 32        |
| R120               | A             | 196 | 143 | 4A            | 18        | R200               | B             | 287 | 89  | 3B            | 29        | R274               | B             | 226 | 15  | 4A            | 32        |
| R121               | A             | 203 | 106 | 6A            | 24        | R201               | B             | 242 | 27  | 7D            | 32        | R275               | B             | 218 | 15  | 4A            | 32        |
| R122               | A             | 282 | 117 | 8D            | 31        | R202               | A             | 238 | 131 | 4B            | 16        | R276               | B             | 216 | 15  | 4A            | 32        |
| R123               | B             | 292 | 138 | 7B            | 26        | R203               | A             | 75  | 84  | 6E            | 5         | R277               | B             | 215 | 15  | 4A            | 32        |



**ROHDE & SCHWARZ**

Benennung: EE 6-GHZ-ERWEITERUNG  
Designation: 6-GHZ-EXTENSION

Sprache:  
Lang.: de

Blatt:  
Sh.: 10 +

Aei:  
C.I.: 08.01

Typ: SMIQ  
Type:

Datum: 99-09-30  
Date:

Abteilung: 1GPK  
Dpt:

Name: HO  
Name:

Sachnr.: 1084.9600.01 XY  
Part No.:

# Nicht-Servicerelevante Bauteile / Non-Servicerelevant Components

| el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg |
|--------------------|---------------|-----|-----|---------------|-----------|--------------------|---------------|-----|-----|---------------|-----------|--------------------|---------------|-----|-----|---------------|-----------|
| R278               | B             | 213 | 15  | 4A            | 32        | R352               | B             | 163 | 63  | 6B            | 19        | R427               | A             | 19  | 121 | 4D            | 11        |
| R279               | B             | 230 | 33  | 5B            | 32        | R353               | A             | 290 | 29  | 6B            | 31        | R428               | A             | 14  | 116 | 4E            | 11        |
| R280               | B             | 236 | 36  | 7B            | 32        | R354               | B             | 202 | 63  | 4B            | 20        | R429               | B             | 60  | 114 | 4D            | 8         |
| R281               | B             | 241 | 40  | 6E            | 32        | R355               | A             | 240 | 119 | 4F            | 16        | R430               | B             | 55  | 113 | 4D            | 8         |
| R282               | A             | 235 | 33  | 5C            | 32        | R356               | A             | 231 | 114 | 4E            | 16        | R431               | B             | 20  | 127 | 7C            | 11        |
| R283               | A             | 159 | 21  | 2B            | 32        | R357               | B             | 146 | 143 | 4B            | 17        | R432               | B             | 15  | 127 | 7C            | 11        |
| R284               | B             | 229 | 38  | 7B            | 32        | R358               | A             | 288 | 121 | 2E            | 27        | R433               | B             | 59  | 45  | 4B            | 5         |
| R285               | A             | 232 | 46  | 6A            | 32        | R359               | A             | 261 | 100 | 4E            | 28        | R434               | B             | 69  | 13  | 2E            | 3         |
| R286               | B             | 224 | 15  | 4A            | 32        | R360               | B             | 71  | 26  | 2D            | 3         | R435               | B             | 74  | 13  | 3E            | 3         |
| R287               | A             | 210 | 42  | 3C            | 32        | R361               | B             | 53  | 17  | 5D            | 3         | R436               | B             | 14  | 52  | 2C            | 9         |
| R288               | B             | 230 | 34  | 5B            | 32        | R362               | B             | 182 | 138 | 4B            | 18        | R437               | B             | 14  | 47  | 2C            | 9         |
| R289               | B             | 241 | 35  | 5C            | 32        | R363               | B             | 71  | 40  | 6B            | 5         | R438               | B             | 21  | 124 | 2C            | 11        |
| R290               | B             | 241 | 42  | 6E            | 32        | R364               | B             | 199 | 118 | 6B            | 24        | R439               | B             | 293 | 113 | 4B            | 27        |
| R291               | B             | 254 | 21  | 5C            | 32        | R365               | B             | 164 | 109 | 7C            | 23        | R440               | B             | 296 | 115 | 3B            | 27        |
| R292               | A             | 195 | 43  | 1E            | 32        | R366               | B             | 121 | 128 | 7D            | 13        | R441               | B             | 258 | 105 | 3B            | 28        |
| R293               | A             | 205 | 36  | 1E            | 32        | R367               | A             | 24  | 122 | 2F            | 11        | R442               | B             | 258 | 110 | 2B            | 28        |
| R294               | A             | 201 | 36  | 2E            | 32        | R368               | A             | 37  | 109 | 2E            | 11        | R443               | B             | 19  | 123 | 3C            | 11        |
| R295               | A             | 82  | 113 | 2E            | 8         | R369               | A             | 59  | 59  | 8D            | 5         | R444               | A             | 24  | 119 | 4D            | 11        |
| R296               | A             | 220 | 26  | 3B            | 33        | R370               | B             | 250 | 140 | 3B            | 26        | R445               | B             | 81  | 120 | 7D            | 8         |
| R297               | A             | 209 | 28  | 3C            | 33        | R371               | B             | 270 | 90  | 6B            | 28        | R446               | A             | 22  | 73  | 6B            | 9         |
| R298               | A             | 235 | 30  | 3D            | 33        | R372               | B             | 276 | 90  | 7B            | 28        | R447               | A             | 234 | 81  | 5B            | 34        |
| R299               | A             | 230 | 22  | 2E            | 33        | R373               | B             | 124 | 81  | 3C            | 15        | R448               | A             | 117 | 102 | 7C            | 14        |
| R300               | A             | 214 | 23  | 2D            | 33        | R374               | B             | 17  | 144 | 1C            | 12        | R449               | A             | 118 | 102 | 7C            | 14        |
| R301               | A             | 223 | 25  | 2C            | 33        | R375               | A             | 149 | 24  | 2C            | 32        | R450               | A             | 28  | 108 | 4E            | 11        |
| R302               | A             | 248 | 57  | 5A            | 33        | R376               | A             | 200 | 11  | 2D            | 32        | R451               | A             | 236 | 80  | 7B            | 34        |
| R303               | B             | 209 | 35  | 2A            | 33        | R377               | A             | 194 | 35  | 3D            | 32        | R452               | A             | 239 | 79  | 7E            | 34        |
| R304               | A             | 243 | 67  | 7A            | 33        | R378               | A             | 164 | 17  | 2C            | 32        | R453               | A             | 236 | 78  | 4D            | 34        |
| R305               | A             | 29  | 108 | 3E            | 11        | R379               | A             | 198 | 35  | 3A            | 32        | R454               | A             | 114 | 81  | 3E            | 15        |
| R306               | A             | 230 | 120 | 4C            | 16        | R380               | A             | 178 | 35  | 3A            | 32        | R455               | A             | 113 | 77  | 2F            | 15        |
| R307               | B             | 246 | 38  | 7D            | 33        | R381               | A             | 164 | 18  | 2D            | 32        | R456               | A             | 114 | 78  | 2E            | 15        |
| R308               | B             | 296 | 130 | 7C            | 26        | R382               | A             | 164 | 20  | 2B            | 32        | R457               | A             | 22  | 136 | 2E            | 12        |
| R309               | A             | 111 | 98  | 7B            | 14        | R383               | A             | 61  | 58  | 7D            | 5         | R458               | A             | 77  | 61  | 3E            | 5         |
| R310               | A             | 292 | 108 | 5E            | 27        | R384               | B             | 26  | 48  | 4E            | 9         | R459               | A             | 69  | 60  | 3E            | 5         |
| R311               | A             | 297 | 130 | 3C            | 27        | R385               | A             | 289 | 115 | 3E            | 27        | R460               | A             | 75  | 112 | 1F            | 8         |
| R312               | A             | 21  | 114 | 1F            | 11        | R386               | A             | 292 | 118 | 3E            | 27        | R461               | B             | 231 | 90  | 3D            | 19        |
| R313               | A             | 21  | 112 | 1F            | 11        | R387               | A             | 292 | 116 | 3E            | 27        | R462               | B             | 245 | 90  | 3D            | 19        |
| R314               | A             | 253 | 116 | 2D            | 28        | R388               | A             | 57  | 59  | 6D            | 5         | R463               | B             | 229 | 83  | 3E            | 19        |
| R315               | A             | 252 | 103 | 5C            | 28        | R389               | A             | 266 | 103 | 5E            | 28        | R464               | B             | 244 | 85  | 3E            | 19        |
| R316               | A             | 160 | 36  | 2C            | 35        | R390               | A             | 259 | 100 | 5D            | 28        | R465               | B             | 268 | 90  | 6B            | 28        |
| R317               | B             | 71  | 83  | 2B            | 5         | R391               | A             | 261 | 103 | 5D            | 28        | R466               | A             | 183 | 63  | 1F            | 20        |
| R318               | A             | 59  | 61  | 3D            | 5         | R392               | B             | 258 | 41  | 7B            | 30        | R467               | B             | 273 | 90  | 7B            | 28        |
| R319               | A             | 23  | 108 | 2F            | 11        | R393               | A             | 288 | 25  | 7C            | 31        | R468               | B             | 229 | 94  | 3E            | 21        |
| R320               | A             | 249 | 138 | 3A            | 26        | R395               | A             | 39  | 126 | 1F            | 12        | R469               | B             | 244 | 94  | 3E            | 21        |
| R321               | B             | 66  | 75  | 2C            | 5         | R396               | A             | 42  | 81  | 1F            | 5         | R470               | B             | 229 | 98  | 3D            | 21        |
| R322               | A             | 20  | 116 | 2F            | 11        | R397               | A             | 68  | 43  | 4F            | 5         | R471               | B             | 242 | 98  | 3D            | 21        |
| R323               | A             | 270 | 136 | 5D            | 26        | R398               | B             | 270 | 92  | 6B            | 28        | R472               | A             | 188 | 93  | 1F            | 22        |
| R324               | A             | 295 | 129 | 6E            | 26        | R399               | A             | 115 | 117 | 2F            | 14        | R473               | B             | 240 | 119 | 4D            | 17        |
| R325               | A             | 48  | 76  | 2E            | 5         | R400               | A             | 165 | 35  | 2C            | 35        | R474               | B             | 234 | 120 | 4D            | 17        |
| R326               | A             | 286 | 143 | 1F            | 26        | R401               | A             | 114 | 85  | 4F            | 15        | R475               | B             | 231 | 115 | 4D            | 17        |
| R327               | B             | 112 | 52  | 4D            | 6         | R402               | A             | 235 | 110 | 4D            | 16        | R476               | B             | 243 | 110 | 4E            | 17        |
| R328               | A             | 277 | 111 | 7E            | 27        | R403               | A             | 241 | 110 | 4D            | 16        | R477               | B             | 115 | 90  | 1F            | 15        |
| R329               | B             | 85  | 99  | 8D            | 6         | R404               | A             | 241 | 122 | 4A            | 16        | R478               | A             | 168 | 127 | 1E            | 18        |
| R330               | B             | 21  | 120 | 3B            | 11        | R405               | A             | 125 | 83  | 2B            | 15        | R479               | A             | 195 | 109 | 5E            | 24        |
| R331               | B             | 12  | 132 | 6B            | 11        | R406               | A             | 122 | 85  | 2B            | 15        | R480               | B             | 113 | 90  | 1F            | 15        |
| R332               | B             | 14  | 111 | 7D            | 10        | R407               | A             | 121 | 87  | 2B            | 15        | R481               | A             | 294 | 129 | 7D            | 26        |
| R333               | A             | 260 | 60  | 5A            | 30        | R408               | A             | 287 | 142 | 2F            | 26        | R482               | A             | 116 | 84  | 3F            | 15        |
| R334               | B             | 256 | 57  | 5C            | 30        | R409               | A             | 294 | 115 | 3E            | 27        | R483               | A             | 262 | 25  | 6A            | 31        |
| R335               | B             | 71  | 24  | 2D            | 3         | R410               | A             | 276 | 110 | 7E            | 27        | R484               | B             | 116 | 77  | 3D            | 15        |
| R336               | B             | 68  | 26  | 3D            | 3         | R411               | A             | 262 | 22  | 6A            | 31        | R485               | B             | 118 | 88  | 2C            | 15        |
| R337               | B             | 53  | 14  | 5D            | 3         | R412               | A             | 257 | 105 | 4D            | 28        | R486               | A             | 117 | 97  | 6D            | 14        |
| R338               | B             | 53  | 19  | 5D            | 3         | R413               | A             | 45  | 78  | 1E            | 5         | R487               | B             | 96  | 91  | 7D            | 6         |
| R339               | B             | 98  | 92  | 7C            | 6         | R414               | A             | 219 | 28  | 3C            | 33        | R488               | B             | 43  | 107 | 2C            | 8         |
| R340               | B             | 44  | 108 | 2C            | 8         | R415               | A             | 208 | 27  | 3D            | 33        | R489               | B             | 15  | 68  | 6C            | 9         |
| R341               | B             | 47  | 117 | 3D            | 8         | R416               | A             | 234 | 27  | 3E            | 33        | R490               | B             | 118 | 80  | 3C            | 15        |
| R342               | B             | 52  | 117 | 4D            | 8         | R417               | A             | 248 | 42  | 6B            | 32        | R491               | B             | 259 | 92  | 5B            | 28        |
| R343               | B             | 15  | 69  | 6C            | 9         | R418               | A             | 31  | 128 | 2E            | 12        | R492               | A             | 248 | 39  | 5B            | 32        |
| R344               | A             | 100 | 132 | 7B            | 12        | R419               | B             | 275 | 89  | 7B            | 28        | R493               | B             | 111 | 85  | 1F            | 15        |
| R345               | B             | 76  | 118 | 7D            | 8         | R420               | B             | 34  | 27  | 3E            | 4         | R495               | A             | 20  | 128 | 2E            | 12        |
| R346               | B             | 174 | 108 | 2C            | 24        | R421               | B             | 30  | 27  | 4E            | 4         | R497               | A             | 154 | 100 | 5A            | 15        |
| R347               | A             | 111 | 96  | 7B            | 14        | R422               | B             | 27  | 20  | 4C            | 4         | R499               | A             | 32  | 127 | 2E            | 12        |
| R348               | B             | 94  | 133 | 5B            | 13        | R423               | B             | 27  | 25  | 4C            | 4         | R501               | A             | 134 | 102 | 5A            | 15        |
| R349               | B             | 290 | 128 | 8B            | 26        | R424               | A             | 27  | 122 | 3F            | 11        | R514               | A             | 58  | 41  | 4E            | 5         |
| R350               | B             | 41  | 115 | 3C            | 8         | R425               | B             | 68  | 82  | 2B            | 5         | R517               | B             | 42  | 112 | 3B            | 8         |
| R351               | A             | 91  | 132 | 8B            | 12        | R426               | A             | 13  | 112 | 2C            | 11        | R519               | A             | 115 | 124 | 3E            | 14        |

|                                |                                                                 |                 |                         |                     |                                       |
|--------------------------------|-----------------------------------------------------------------|-----------------|-------------------------|---------------------|---------------------------------------|
| <br><b>ROHDE &amp; SCHWARZ</b> | Benennung: EE 6-GHZ-ERWEITERUNG<br>Designation: 6-GHZ-EXTENSION |                 | Sprache:<br>Lang.: de   | Blatt:<br>Sh.: 11 + | Aei:<br>C.I.: 08.01                   |
|                                | Typ: SMIQ                                                       | Datum: 99-09-30 | Abteilung: 1GPK<br>Dpt: | Name: HO<br>Name:   | Sachnr.: 1084.9600.01 XY<br>Part No.: |

# Nicht-Service-Relevante Bauteile / Non-Service-Relevant Components

| el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg |
|--------------------|---------------|-----|-----|---------------|-----------|--------------------|---------------|-----|-----|---------------|-----------|--------------------|---------------|-----|-----|---------------|-----------|
| R520               | A             | 117 | 124 | 3E            | 14        | R664               | B             | 31  | 16  | 2C            | 4         | R853               | A             | 120 | 94  | 7D            | 14        |
| R521               | A             | 118 | 124 | 3E            | 14        | R672               | A             | 65  | 72  | 7D            | 5         | R854               | A             | 54  | 129 | 7D            | 12        |
| R522               | A             | 120 | 124 | 3E            | 14        | R675               | A             | 57  | 69  | 6D            | 5         | R855               | A             | 32  | 128 | 1E            | 12        |
| R523               | A             | 122 | 124 | 3E            | 14        | R676               | A             | 56  | 80  | 6C            | 5         | R856               | A             | 62  | 44  | 4E            | 5         |
| R530               | B             | 292 | 88  | 2B            | 29        | R681               | A             | 82  | 117 | 2D            | 8         | R857               | A             | 69  | 74  | 7C            | 5         |
| R531               | A             | 164 | 15  | 2A            | 32        | R689               | B             | 245 | 83  | 3E            | 19        | R858               | A             | 123 | 124 | 2E            | 14        |
| R532               | A             | 166 | 25  | 2A            | 32        | R690               | B             | 229 | 85  | 3E            | 19        | R861               | A             | 202 | 104 | 6A            | 24        |
| R533               | A             | 162 | 25  | 2B            | 32        | R691               | B             | 245 | 88  | 3D            | 19        | R866               | A             | 277 | 24  | 7D            | 31        |
| R534               | A             | 181 | 35  | 3B            | 32        | R692               | B             | 231 | 87  | 3D            | 19        | R867               | A             | 229 | 24  | 2D            | 33        |
| R535               | A             | 196 | 35  | 3C            | 32        | R699               | A             | 70  | 43  | 4F            | 5         | R868               | A             | 215 | 21  | 2C            | 33        |
| R536               | A             | 183 | 35  | 3D            | 32        | R712               | A             | 186 | 95  | 2D            | 22        | R869               | A             | 224 | 31  | 2B            | 33        |
| R537               | A             | 180 | 35  | 3B            | 32        | R722               | B             | 244 | 113 | 5E            | 17        | R870               | B             | 240 | 60  | 7D            | 33        |
| R538               | A             | 279 | 132 | 3D            | 26        | R725               | A             | 164 | 133 | 2D            | 18        | R872               | A             | 279 | 140 | 1D            | 26        |
| R539               | A             | 279 | 133 | 2D            | 26        | R727               | A             | 190 | 112 | 6D            | 24        | R873               | A             | 266 | 112 | 7D            | 27        |
| R540               | A             | 279 | 135 | 2D            | 26        | R732               | A             | 250 | 23  | 3D            | 29        | R874               | A             | 240 | 80  | 7D            | 34        |
| R541               | A             | 279 | 136 | 2D            | 26        | R733               | A             | 250 | 20  | 3D            | 29        | R875               | A             | 230 | 85  | 7A            | 34        |
| R542               | A             | 279 | 138 | 2D            | 26        | R735               | A             | 276 | 88  | 4B            | 29        | R876               | A             | 243 | 87  | 5C            | 34        |
| R543               | B             | 292 | 120 | 2C            | 27        | R736               | A             | 237 | 23  | 2E            | 29        | R877               | A             | 240 | 94  | 5B            | 34        |
| R544               | A             | 258 | 110 | 7D            | 27        | R739               | B             | 251 | 59  | 4D            | 30        | R880               | B             | 158 | 43  | 3C            | 35        |
| R545               | A             | 259 | 110 | 7D            | 27        | R740               | B             | 254 | 49  | 4D            | 30        | R881               | B             | 152 | 43  | 4B            | 35        |
| R546               | A             | 261 | 110 | 8D            | 27        | R741               | A             | 262 | 62  | 5B            | 30        | R883               | B             | 152 | 39  | 4B            | 35        |
| R547               | A             | 263 | 110 | 8D            | 27        | R742               | B             | 254 | 41  | 6B            | 30        | R885               | B             | 43  | 97  | 6B            | 7         |
| R548               | A             | 264 | 110 | 8D            | 27        | R744               | B             | 259 | 42  | 6D            | 30        | R886               | B             | 33  | 27  | 3E            | 4         |
| R549               | B             | 287 | 108 | 5C            | 27        | R745               | B             | 260 | 55  | 5D            | 30        | R887               | B             | 27  | 23  | 4B            | 4         |
| R550               | B             | 258 | 119 | 1C            | 28        | R748               | A             | 248 | 53  | 5B            | 33        | R888               | B             | 104 | 128 | 5C            | 13        |
| R551               | B             | 262 | 100 | 3C            | 28        | R749               | B             | 231 | 49  | 6A            | 33        | R891               | A             | 206 | 78  | 4A            | 22        |
| R555               | B             | 21  | 21  | 5C            | 4         | R750               | B             | 231 | 53  | 6A            | 33        | R892               | A             | 206 | 77  | 4A            | 22        |
| R556               | B             | 23  | 21  | 5C            | 4         | R751               | B             | 235 | 45  | 6B            | 33        | R893               | A             | 165 | 109 | 7B            | 23        |
| R557               | B             | 34  | 32  | 4E            | 4         | R752               | B             | 233 | 52  | 6B            | 33        | R894               | B             | 38  | 139 | 4C            | 12        |
| R558               | B             | 34  | 30  | 5E            | 4         | R753               | A             | 233 | 56  | 5B            | 33        | R895               | B             | 51  | 128 | 4D            | 12        |
| R559               | B             | 62  | 53  | 4B            | 5         | R754               | A             | 248 | 55  | 5A            | 33        | R896               | B             | 69  | 49  | 5B            | 5         |
| R562               | A             | 131 | 101 | 5B            | 15        | R755               | A             | 248 | 51  | 5A            | 33        | R897               | B             | 117 | 117 | 3C            | 14        |
| R563               | A             | 214 | 113 | 7B            | 25        | R761               | A             | 158 | 45  | 4E            | 35        | R899               | B             | 296 | 141 | 5E            | 26        |
| R564               | A             | 209 | 112 | 7B            | 25        | R762               | A             | 142 | 36  | 4B            | 35        | R900               | B             | 271 | 140 | 5B            | 26        |
| R570               | B             | 179 | 108 | 3C            | 24        | R764               | A             | 300 | 132 | 6E            | 26        | R901               | B             | 276 | 115 | 7B            | 27        |
| R571               | B             | 244 | 108 | 3D            | 23        | R765               | A             | 291 | 131 | 7E            | 26        | R902               | A             | 166 | 56  | 6A            | 19        |
| R585               | A             | 185 | 35  | 2B            | 31        | R766               | A             | 294 | 128 | 8E            | 26        | R903               | A             | 165 | 56  | 6A            | 19        |
| R586               | A             | 234 | 92  | 2F            | 34        | R767               | A             | 291 | 119 | 3D            | 27        | R914               | A             | 163 | 78  | 5A            | 21        |
| R587               | B             | 231 | 110 | 3E            | 23        | R768               | A             | 256 | 105 | 5D            | 28        | R915               | A             | 163 | 80  | 5A            | 21        |
| R588               | B             | 231 | 101 | 3F            | 23        | R769               | A             | 35  | 139 | 1F            | 12        | R916               | A             | 164 | 109 | 7B            | 23        |
| R594               | B             | 238 | 140 | 1B            | 26        | R775               | A             | 62  | 42  | 4F            | 5         | R919               | A             | 201 | 104 | 6A            | 24        |
| R604               | B             | 251 | 57  | 4D            | 30        | R776               | B             | 71  | 13  | 2E            | 3         | R920               | A             | 137 | 134 | 5A            | 17        |
| R605               | B             | 252 | 51  | 4D            | 30        | R777               | B             | 49  | 117 | 3C            | 8         | R921               | A             | 137 | 132 | 5A            | 17        |
| R608               | B             | 161 | 42  | 2C            | 35        | R778               | B             | 14  | 49  | 2C            | 9         | R924               | A             | 199 | 142 | 4A            | 18        |
| R609               | B             | 40  | 97  | 6C            | 7         | R780               | A             | 116 | 119 | 2E            | 14        | R925               | A             | 198 | 142 | 4A            | 18        |
| R610               | B             | 44  | 97  | 6C            | 7         | R782               | A             | 283 | 143 | 1E            | 26        | R928               | A             | 78  | 112 | 2F            | 8         |
| R615               | A             | 293 | 142 | 8D            | 26        | R784               | A             | 225 | 96  | 7D            | 25        | R929               | A             | 178 | 68  | 2F            | 20        |
| R616               | A             | 297 | 140 | 8D            | 26        | R785               | A             | 211 | 100 | 7E            | 25        | R930               | A             | 195 | 84  | 2F            | 22        |
| R617               | B             | 61  | 136 | 7A            | 12        | R787               | A             | 209 | 139 | 7A            | 25        | R931               | A             | 168 | 141 | 2E            | 18        |
| R619               | A             | 294 | 140 | 8D            | 26        | R788               | A             | 218 | 137 | 7A            | 25        | R934               | A             | 128 | 136 | 8C            | 13        |
| R621               | A             | 255 | 48  | 2C            | 29        | R791               | B             | 51  | 130 | 4D            | 12        | R935               | A             | 126 | 136 | 8C            | 13        |
| R624               | B             | 84  | 120 | 7D            | 8         | R793               | B             | 86  | 51  | 4E            | 6         | R938               | A             | 195 | 111 | 6E            | 24        |
| R625               | B             | 80  | 120 | 7D            | 8         | R794               | B             | 294 | 141 | 5E            | 26        | R939               | B             | 258 | 36  | 8B            | 30        |
| R626               | A             | 85  | 116 | 1D            | 8         | R798               | A             | 115 | 99  | 6D            | 14        | R940               | A             | 162 | 38  | 2C            | 35        |
| R628               | A             | 168 | 57  | 1E            | 20        | R805               | A             | 56  | 138 | 8C            | 12        | R946               | A             | 271 | 109 | 7E            | 27        |
| R629               | A             | 187 | 97  | 1D            | 22        | R808               | A             | 23  | 134 | 1D            | 12        | R954               | A             | 288 | 27  | 6B            | 31        |
| R630               | A             | 166 | 133 | 1D            | 18        | R809               | A             | 70  | 75  | 6C            | 5         | R955               | A             | 290 | 32  | 6B            | 31        |
| R631               | A             | 192 | 112 | 5D            | 24        | R812               | A             | 76  | 60  | 3E            | 5         | R956               | A             | 25  | 136 | 2D            | 12        |
| R633               | A             | 285 | 117 | 4E            | 27        | R817               | B             | 255 | 50  | 4E            | 30        | R958               | B             | 68  | 77  | 2B            | 5         |
| R634               | A             | 268 | 103 | 6E            | 28        | R818               | B             | 248 | 61  | 4C            | 30        | R959               | A             | 76  | 50  | 4D            | 5         |
| R635               | B             | 149 | 37  | 3B            | 35        | R819               | B             | 258 | 38  | 7B            | 30        | R960               | A             | 164 | 63  | 6A            | 19        |
| R636               | A             | 38  | 128 | 2F            | 12        | R820               | A             | 290 | 36  | 7C            | 31        | R961               | A             | 165 | 81  | 5A            | 21        |
| R637               | A             | 21  | 141 | 2D            | 12        | R821               | A             | 145 | 42  | 4D            | 35        | R962               | A             | 139 | 131 | 5A            | 17        |
| R638               | A             | 65  | 41  | 4F            | 5         | R822               | A             | 144 | 35  | 4B            | 35        | R963               | A             | 167 | 111 | 6B            | 23        |
| R639               | A             | 69  | 57  | 3D            | 5         | R826               | B             | 220 | 67  | 7B            | 20        | R964               | B             | 121 | 132 | 7D            | 13        |
| R644               | A             | 122 | 116 | 3E            | 14        | R827               | B             | 215 | 98  | 7B            | 22        | R967               | B             | 239 | 58  | 5A            | 31        |
| R648               | A             | 284 | 140 | 2E            | 26        | R828               | B             | 203 | 136 | 7B            | 18        | R968               | A             | 290 | 33  | 7C            | 31        |
| R649               | A             | 273 | 107 | 7E            | 27        | R830               | A             | 53  | 134 | 8C            | 12        | R1006              | A             | 47  | 84  | 2F            | 5         |
| R655               | A             | 46  | 129 | 6D            | 12        | R833               | A             | 290 | 30  | 5D            | 31        | R1007              | A             | 120 | 101 | 8D            | 14        |
| R659               | B             | 24  | 15  | 4B            | 4         | R835               | A             | 258 | 19  | 3E            | 32        | R1008              | A             | 123 | 104 | 8D            | 14        |
| R660               | B             | 14  | 15  | 5B            | 4         | R836               | A             | 209 | 42  | 2B            | 33        | R1311              | B             | 118 | 95  | 1C            | 15        |
| R661               | B             | 14  | 20  | 5B            | 4         | R841               | A             | 157 | 42  | 3D            | 35        | R1312              | B             | 118 | 95  | 1C            | 15        |
| R662               | B             | 29  | 13  | 1C            | 4         | R842               | A             | 145 | 40  | 4C            | 35        | R1313              | B             | 49  | 115 | 3D            | 8         |
| R663               | B             | 28  | 35  | 4D            | 4         | R845               | A             | 298 | 120 | 3D            | 27        | R1314              | B             | 49  | 119 | 3C            | 8         |

|                                                                                                                |  |                                                                 |  |                              |  |                      |  |                                                       |  |
|----------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------|--|------------------------------|--|----------------------|--|-------------------------------------------------------|--|
|  <b>ROHDE &amp; SCHWARZ</b> |  | Benennung: EE 6-GHZ-ERWEITERUNG<br>Designation: 6-GHZ-EXTENSION |  | Sprache: de<br>Lang.: de     |  | Blatt: Sh.: 12 +     |  | Aei: C.I.: 08.01                                      |  |
| Typ: SMIQ<br>Type: SMIQ                                                                                        |  | Datum: 99-09-30<br>Date: 99-09-30                               |  | Abteilung: 1GPK<br>Dpt: 1GPK |  | Name: HO<br>Name: HO |  | Sachnr.: 1084.9600.01 XY<br>Part No.: 1084.9600.01 XY |  |

# Nicht-Service-Relevante Bauteile / Non-Service-Relevant Components

| el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg |
|--------------------|---------------|-----|-----|---------------|-----------|--------------------|---------------|-----|-----|---------------|-----------|--------------------|---------------|-----|-----|---------------|-----------|
| R1315              | B             | 270 | 90  | 6B            | 28        | V41                | A             | 164 | 130 | 2E            | 18        | V157               | A             | 124 | 66  | 5B            | 35        |
| R1316              | B             | 43  | 96  | 6B            | 7         | V42                | A             | 190 | 108 | 6D            | 24        | V159               | A             | 123 | 57  | 5D            | 35        |
| R1317              | B             | 43  | 99  | 6C            | 7         | V42                | A             | 190 | 108 | 6D            | 24        | V160               | B             | 218 | 59  | 6B            | 20        |
| R1318              | A             | 238 | 18  | 2E            | 29        | V43                | A             | 118 | 119 | 2E            | 14        | V161               | B             | 215 | 59  | 6B            | 20        |
| R1319              | B             | 85  | 118 | 7D            | 8         | V43                | A             | 118 | 119 | 2E            | 14        | V162               | B             | 175 | 64  | 8B            | 19        |
| R1320              | B             | 259 | 31  | 5C            | 32        | V44                | A             | 118 | 104 | 7C            | 14        | V163               | B             | 172 | 64  | 7B            | 19        |
| R1330              | B             | 262 | 28  | 5C            | 32        | V44                | A             | 118 | 104 | 7C            | 14        | V164               | B             | 193 | 59  | 4B            | 20        |
| R1331              | A             | 22  | 71  | 6B            | 9         | V45                | A             | 121 | 96  | 7D            | 14        | V165               | B             | 188 | 64  | 3B            | 20        |
| S1                 | B             | 14  | 77  | 7C            | 9         | V45                | A             | 121 | 96  | 8D            | 14        | V166               | B             | 177 | 87  | 7C            | 21        |
| S2                 | B             | 19  | 140 | 6B            | 11        | V46                | A             | 281 | 140 | 2E            | 26        | V167               | B             | 182 | 87  | 8C            | 21        |
| S3                 | B             | 23  | 112 | 3B            | 11        | V46                | A             | 281 | 140 | 2E            | 26        | V168               | B             | 178 | 114 | 3B            | 24        |
| S4                 | B             | 126 | 86  | 6C            | 15        | V47                | A             | 294 | 118 | 3D            | 27        | V172               | B             | 153 | 133 | 6B            | 17        |
| S5                 | B             | 141 | 88  | 7B            | 15        | V47                | A             | 294 | 118 | 3D            | 27        | V173               | B             | 157 | 133 | 7B            | 17        |
| S6                 | B             | 137 | 78  | 7D            | 15        | V48                | A             | 287 | 116 | 3E            | 27        | V174               | B             | 192 | 133 | 6B            | 18        |
| S7                 | B             | 215 | 122 | 4B            | 25        | V48                | A             | 287 | 116 | 4E            | 27        | V175               | B             | 196 | 133 | 6B            | 18        |
| S8                 | B             | 224 | 119 | 4E            | 25        | V49                | A             | 266 | 109 | 7D            | 27        | V176               | B             | 178 | 133 | 3B            | 18        |
| S9                 | B             | 225 | 136 | 5C            | 25        | V49                | A             | 266 | 109 | 7D            | 27        | V177               | B             | 173 | 137 | 3B            | 18        |
| U5                 | A             | 231 | 30  | 1F            | 33        | V50                | A             | 291 | 143 | 5D            | 26        | V180               | A             | 33  | 139 | 2D            | 12        |
| U5                 | A             | 231 | 30  | 2C            | 33        | V51                | A             | 274 | 103 | 7D            | 27        | V181               | A             | 72  | 52  | 4D            | 5         |
| U5                 | A             | 231 | 30  | 2D            | 33        | V52                | B             | 244 | 117 | 6E            | 17        | V186               | A             | 259 | 55  | 6A            | 30        |
| U6                 | A             | 211 | 25  | 1F            | 33        | V53                | B             | 183 | 114 | 4B            | 24        | V186               | A             | 259 | 55  | 6C            | 30        |
| U6                 | A             | 211 | 25  | 2C            | 33        | V54                | B             | 173 | 114 | 2B            | 24        | V191               | A             | 285 | 45  | 2A            | 29        |
| U6                 | A             | 211 | 25  | 2D            | 33        | V55                | A             | 265 | 100 | 5E            | 28        | V192               | A             | 184 | 52  | 2D            | 20        |
| U7                 | B             | 36  | 20  | 3C            | 4         | V55                | A             | 265 | 100 | 5E            | 28        | V193               | A             | 196 | 93  | 2D            | 22        |
| U8                 | B             | 64  | 16  | 2D            | 3         | V56                | A             | 259 | 103 | 5D            | 28        | V194               | A             | 161 | 128 | 2D            | 18        |
| U9                 | B             | 63  | 136 | 2B            | 13        | V56                | A             | 259 | 103 | 5D            | 28        | V195               | A             | 184 | 106 | 6D            | 24        |
| U10                | B             | 78  | 44  | 1D            | 6         | V57                | A             | 52  | 143 | 4F            | 12        | V196               | A             | 248 | 58  | 5B            | 33        |
| V1                 | B             | 67  | 64  | 3B            | 5         | V58                | A             | 280 | 48  | 2B            | 29        | V197               | B             | 197 | 89  | 3B            | 22        |
| V2                 | B             | 58  | 114 | 4D            | 8         | V59                | B             | 187 | 114 | 4B            | 24        | V198               | B             | 199 | 89  | 3B            | 22        |
| V3                 | B             | 19  | 61  | 5C            | 9         | V61                | B             | 230 | 105 | 6D            | 17        | X1                 | B             | 60  | 140 | 7A            | 12        |
| V4                 | B             | 178 | 58  | 2B            | 20        | V62                | B             | 21  | 16  | 4B            | 4         | X2                 | B             | 72  | 118 | 7C            | 8         |
| V5                 | B             | 189 | 92  | 2B            | 22        | V64                | A             | 60  | 144 | 7C            | 12        | X3                 | B             | 93  | 137 | 4A            | 13        |
| V6                 | B             | 163 | 135 | 2B            | 18        | V65                | A             | 58  | 78  | 6C            | 5         | X4                 | B             | 122 | 78  | 3C            | 15        |
| V7                 | B             | 192 | 111 | 5B            | 24        | V66                | A             | 292 | 41  | 7C            | 31        | X5                 | B             | 289 | 132 | 7A            | 26        |
| V8                 | B             | 116 | 97  | 5B            | 14        | V70                | A             | 12  | 109 | 2D            | 11        | X6                 | B             | 293 | 92  | 6B            | 29        |
| V9                 | B             | 116 | 101 | 5B            | 14        | V73                | B             | 54  | 126 | 5D            | 12        | X7                 | B             | 69  | 38  | 6B            | 5         |
| V10                | A             | 295 | 108 | 5E            | 27        | V74                | B             | 31  | 37  | 4D            | 4         | X8                 | B             | 225 | 142 | 7C            | 25        |
| V11                | A             | 255 | 119 | 2D            | 28        | V75                | B             | 72  | 50  | 5B            | 5         | X9                 | B             | 14  | 44  | 2C            | 9         |
| V12                | A             | 52  | 82  | 2E            | 5         | V78                | B             | 47  | 112 | 3C            | 8         | X10                | B             | 263 | 130 | 8D            | 31        |
| V13                | A             | 257 | 15  | 3F            | 32        | V81                | B             | 289 | 89  | 2B            | 29        | X11                | B             | 219 | 42  | 7C            | 33        |
| V14                | A             | 212 | 35  | 2C            | 33        | V82                | B             | 297 | 140 | 5E            | 26        | X12                | B             | 93  | 34  | 2C            | 6         |
| V15                | A             | 221 | 23  | 2C            | 33        | V83                | A             | 66  | 71  | 7C            | 5         | X14                | B             | 299 | 88  | 3A            | 29        |
| V16                | A             | 263 | 64  | 6A            | 30        | V84                | B             | 209 | 82  | 5B            | 22        | X15                | B             | 250 | 43  | 6B            | 30        |
| V17                | A             | 260 | 46  | 6C            | 30        | V85                | B             | 214 | 82  | 6B            | 22        | X16                | B             | 257 | 64  | 4B            | 30        |
| V18                | B             | 143 | 43  | 5C            | 35        | V86                | A             | 38  | 136 | 7D            | 12        | X17                | B             | 228 | 41  | 7B            | 32        |
| V19                | B             | 23  | 19  | 4B            | 4         | V87                | B             | 69  | 79  | 2B            | 5         | X18                | B             | 199 | 41  | 1A            | 33        |
| V20                | B             | 31  | 32  | 4E            | 4         | V90                | B             | 40  | 140 | 4C            | 12        | X19                | B             | 190 | 43  | 2B            | 33        |
| V21                | A             | 238 | 28  | 1D            | 29        | V91                | B             | 62  | 49  | 4B            | 5         | X20                | B             | 180 | 39  | 5B            | 35        |
| V22                | A             | 250 | 27  | 4D            | 29        | V92                | B             | 116 | 115 | 3C            | 14        | X500               | B             | 189 | 13  | 1D            | 32        |
| V23                | A             | 209 | 36  | 2D            | 33        | V94                | B             | 273 | 139 | 5B            | 26        | X501               | B             | 17  | 11  | 5B            | 4         |
| V24                | A             | 225 | 19  | 2D            | 33        | V95                | B             | 274 | 116 | 7B            | 27        | X502               | B             | 29  | 10  | 1C            | 4         |
| V25                | B             | 112 | 87  | 1F            | 15        | V104               | A             | 113 | 93  | 7E            | 14        | X503               | B             | 55  | 11  | 5D            | 3         |
| V26                | A             | 113 | 103 | 7B            | 14        | V105               | A             | 117 | 93  | 7D            | 14        | X504               | B             | 63  | 10  | 2D            | 3         |
| V27                | A             | 293 | 121 | 3C            | 27        | V112               | A             | 115 | 66  | 5A            | 35        | Z1                 | B             | 98  | 115 | 5C            | 8         |
| V28                | A             | 253 | 105 | 5C            | 28        | V113               | A             | 123 | 49  | 5D            | 35        | Z4                 | B             | 255 | 76  | 7D            | 36        |
| V29                | A             | 77  | 84  | 6E            | 5         | V114               | A             | 125 | 49  | 5D            | 35        | Z5                 | B             | 251 | 76  | 7D            | 36        |
| V30                | A             | 37  | 126 | 2E            | 12        | V115               | A             | 127 | 49  | 5D            | 35        | Z6                 | B             | 119 | 40  | 3D            | 36        |
| V30                | A             | 37  | 126 | 2E            | 12        | V116               | A             | 238 | 92  | 2F            | 34        | Z7                 | B             | 133 | 23  | 4E            | 36        |
| V31                | A             | 255 | 20  | 4D            | 29        | V119               | A             | 114 | 64  | 5A            | 35        | Z8                 | B             | 130 | 23  | 4E            | 36        |
| V32                | A             | 57  | 43  | 4E            | 5         | V123               | A             | 114 | 62  | 5A            | 35        | Z9                 | B             | 119 | 37  | 3D            | 36        |
| V32                | A             | 57  | 43  | 4E            | 5         | V131               | B             | 296 | 117 | 2B            | 27        | Z10                | B             | 98  | 120 | 3B            | 36        |
| V33                | A             | 232 | 17  | 3E            | 29        | V132               | B             | 289 | 113 | 4B            | 27        | Z12                | B             | 188 | 21  | 2B            | 31        |
| V34                | A             | 49  | 82  | 1F            | 5         | V133               | B             | 294 | 113 | 3B            | 27        | Z13                | B             | 185 | 21  | 3D            | 32        |
| V34                | A             | 49  | 82  | 1F            | 5         | V134               | B             | 257 | 103 | 3B            | 28        | Z14                | B             | 198 | 21  | 3A            | 32        |
| V35                | A             | 83  | 112 | 1E            | 8         | V135               | B             | 258 | 109 | 2B            | 28        | Z15                | B             | 196 | 21  | 3C            | 32        |
| V35                | A             | 83  | 112 | 2E            | 8         | V136               | B             | 258 | 114 | 2B            | 28        | Z16                | B             | 180 | 21  | 3B            | 32        |
| V36                | A             | 178 | 56  | 2E            | 20        | V137               | A             | 22  | 140 | 2D            | 12        | Z17                | B             | 177 | 21  | 3A            | 32        |
| V36                | A             | 178 | 56  | 2E            | 20        | V138               | A             | 74  | 59  | 3E            | 5         | Z18                | B             | 182 | 21  | 3B            | 32        |
| V37                | A             | 191 | 94  | 1E            | 22        | V143               | A             | 28  | 126 | 4E            | 12        | Z19                | B             | 193 | 21  | 3D            | 32        |
| V37                | A             | 191 | 94  | 2E            | 22        | V144               | A             | 69  | 48  | 5F            | 5         | Z20                | B             | 26  | 83  | 2C            | 36        |
| V38                | B             | 231 | 127 | 3F            | 16        | V145               | A             | 120 | 109 | 2D            | 14        | Z22                | B             | 201 | 21  | 7E            | 36        |
| V39                | A             | 22  | 122 | 5D            | 11        | V147               | A             | 219 | 31  | 3C            | 33        | Z23                | B             | 190 | 21  | 5E            | 36        |
| V40                | A             | 13  | 127 | 5E            | 11        | V148               | A             | 209 | 24  | 3D            | 33        | Z24                | B             | 128 | 23  | 4E            | 36        |
| V41                | A             | 164 | 130 | 1E            | 18        | V149               | A             | 235 | 25  | 3D            | 33        | Z25                | B             | 88  | 16  | 3F            | 36        |



**ROHDE & SCHWARZ**

Benennung: EE 6-GHZ-ERWEITERUNG  
Designation: 6-GHZ-EXTENSION

Sprache:  
Lang.: de

Blatt:  
Sh.: 13 +

Aei:  
C.I.: 08.01

Typ: SMIQ  
Type:

Datum: 99-09-30  
Date:

Abteilung: 1GPK  
Dpt:

Name: HO  
Name:

Sachnr.: 1084.9600.01 XY  
Part No.:





**ROHDE & SCHWARZ**

**SERVICE INSTRUCTIONS**

**IQ-CONVERTER MODULE**

**1084.9300.02**



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## 7. Testing and Repair of the Module

### 7.1 Function Description

The IQ-Converter module (IQCON) can be operated either in the vector modulation or the CW mode.

With vector modulation selected, (IQ-mode) the module converts the IQ-modulated 300-MHz input signal (X223) of the IQ modulator (IQMOD board) to the frequency range 750 to 3300 MHz. The frequencies 750 to 1500 MHz of the summing module or SMT synthesizer (input X221) are used as LO signal. These frequencies are doubled in a second path in order to obtain the required frequency spectrum of 1050 to 3000 MHz at the LO. The tunable bandpass filters from 750 to 3300 MHz are provided to filter the unwanted sideband and all other frequencies occurring with mixing. A level control element (Level Preset) in conjunction with fixed adjustments in the three filter paths are provided to compensate for the level tolerances occurring as well as for the level frequency response. The calibration data required for setting the filters are stored in an EEPROM accommodated on the board. In CW mode, the LO signal is routed via a pin diode switch and a solid-jacket cable W22 to the output amplifier. The frequency spectrum ranges from 450 to 3000 MHz. The frequencies from 3000 to 3300 MHz are obtained by mixing in the IQ path. In both operating modes, the output amplifier supplies the required output level of 4 dBm.

The module can be subdivided into the subsequent function units:

- harmonic filter
- frequency doubler and filter for the subharmonics
- LO amplifier with switch-selectable level control
- bypass for CW mode
- mixer and low-noise broadband amplifier
- tunable bandpass filters
- RF switch and output amplifier
- control and EEPROM

#### 7.1.1 Harmonic Filter

*(circuit diagram, sheet 2)*

The tunable harmonic filter filters the harmonics of the output signal of the summing module or the SMT synthesizer in the frequency range 450 to 1500 MHz.

Eight capacity diodes V153 - V160 arranged in parallel anti-serially in the two poles of the Cauer filter, are provided as tunable filter elements. The two poles of the filter are tuned via the common tuning voltage OWFIL.

The pin-diode switches V32-V37 are provided to switch over to the doubler path.

**7.1.2****Doubler Path**

*(sheets 3 and 4 of circuit diagram)*

The SMD component SFD 1001 (N8) is provided as frequency doubler for generation of the frequency octave 1500 to 3000 MHz. The required input level 10 dBm of the fundamental wave (750 to 1500 MHz) is generated using the integrated GaAs-FET amplifier N17. Its working point is controlled by means of the transistor V30. Spurious which occur with frequency doubling are suppressed to -74 dBc by a combination of two switchable highpass filters and two tunable lowpass filters. The necessary amplification of level as well as decoupling of filters is accomplished by the use of bipolar amplifiers with a gain of 7 dB, each (V148 - V150). Their current in the working point is controlled via the transistors V27, V28 and V31.

The capacity diodes V191-192, V198-201 and V180-185 are used as tuning elements of the filters. They are adjusted by means of the DC voltages TUNEVD, TUNEVD2 and VDFIL.

The different levels in the doubler path and in the harmonic filter path are adjusted using the potentiometer R694.

**7.1.3****LO Amplifier and Level Control**

*(sheet 5 of circuit diagram)*

The GaAs-Fet amplifier (V106) provides the 17-dBm level required for control of the LO input of the mixer. It can be switched off in CW mode.

The total gain of the four-stage amplifier chain is approx. 34 dB. The prestages are set up using the bipolar transistors V186 and V147 and the GaAs-Fet transistor V107. All currents are controlled in the working point. (V3-V6).

The level deviations occurring throughout the entire LO path are compensated by a control. A pin-diode modulator (V42 and V38) is used as control element for amplitude control. This modulator is controlled by the PI control amplifier N18. The rated level is provided via the potentiometer R494. The detector diode V59 allows for measuring the RF level. A similar diode (V58) is used for temperature compensation. The bandwidth of level control is approx. 5 to 100 kHz.

**7.1.4****Bypass for CW Mode**

*(sheets 5 and 13 of circuit diagram)*

After passing the LO prestages, the signal is routed via the solid-jacket cable W22 to the output stage using the two pin-diodes switches V39-41 and V46-48. Since the output frequency is offset by 300 MHz in the IQ mode, the latter must provide an attenuation of approx. 70 dB to avoid that the LO frequency applied to the switch occurs as a non-harmonic spurious.

**7.1.5      IQ Mode**

(sheet 6 of circuit diagram)

The IQ mixer (U8) is the nucleus of the IQ converter. It generates the IQ-modulated output frequencies between 750 and 3300 MHz. Due to the high output frequencies, the mixer is operated in inverted mode. The 300-MHz signal (-11 dBm) generated by the IQ modulator is applied to the IF input of the mixer. The mixer suppresses the mixing products up to  $\pm 300$  MHz offset from the carrier, since they are not filtered.

The lower sideband of mixing is used for output frequencies up to 1800 MHz.. Frequencies above 1800 MHz are up-converted. The upper sideband is used above 1800 MHz in order to obtain the frequency spectrum up to 3300 MHz.

The output frequencies (750 to 3300 MHz) at the RF port of the mixer are amplified by approx. 10 dB by means of the succeeding broadband amplifier (travelling-wave amplifier with transistors V100-V102). The second succeeding stage with the GaAs-Fet V109 increases the level again by approx. 11 dB. At both stages, the current in the working point is controlled via the transistors V21 and V23.

The following fixed 7th-order Cauer highpass has a cut-off frequency of 700 MHz and suppresses unwanted fixed mixing products.

Level Preset (level control element V54) is intended to be used for compensating the level frequency output of the IQ path and the temperature drift. In a calibration routine, the level is corrected within a fixed frequency stepping until the rated level of 4 dBm is reached at the output. The level detector (V61, sheet 13 of circuit diagram) is used as test point. The level control element is set via a current source with difference amplifier (signal LPRE1, V24-V26)

**7.1.6      Tunable Bandpass Filters**

The tunable bandpass filters filter the unwanted mixing products of the IQ mixer  $\geq 300$  MHz from the carrier. The poles of all filters are adjusted such that optimum attenuation of the unwanted mixing products and optimum amplitude distortion in the passband ( $\pm 30$  MHz) are obtained. In the passband, the filters provide a typical amplitude distortion of  $< 0.025$  dB/MHz and a typical group delay of  $< 15$  ps/MHz.

The filters are set using the three tuning voltages IQFIL1, IQFIL2 and IQFIL3. The set voltage applies only for the currently operating filter. The tuning voltage ranges from 0 to 21 V and provides 8-bit resolution. The filter setting values are obtained with board pretesting and stored in the EERPOM (D17, sheet 14 of circuit diagram).

New calibration of the filters is only required, if filter parts have to be replaced.

**7.1.6.1      1st Filter 750 to 1800 MHz**

*(sheets 7 and 8 of circuit diagram)*

The first filter mainly provides a lowpass character, since the critical frequencies are above the carrier. It contains three identical lowpass filters, which are tuned by means of the capacity diodes V166-V169, V171 -V172 and V213-V215.

A tunable highpass filter incorporated in the capacity diodes V170 and V189-V190 is located between the second and the third lowpass filter. It attenuates the spurious below the carrier. Another highpass filter with a cut-off frequency of 700 MHz is provided at the output of this filter path in order to suppress fixed mixing products.

Buffer amplifiers (GaAs-Fet MMIC's N12-N14 and N21) provided between the filters for decoupling purposes. Gain adjustment in this filter path is accomplished via a pin-diode control element by means of the potentiometer R692. The attenuation of the latter depends on the temperature (R549) and compensates the typical level temperature response.

Three of the four buffer amplifiers are switched off by the power supply if the filter is not in operation.

**7.1.6.2      2nd Filter 1800 to 2500 MHz**

*(sheets 9 and 10 of circuit diagram)*

The second IQ filter mainly provides a highpass function, since the upper sideband of mixing is used. It consists of three identical 5th-order highpass filters the poles of which are tuned via the capacity diodes V187-V188, V164-V165, V218 and V212.

A tunable lowpass filter (capacity diodes V161-V163) provides for attenuation of the mixing products above the upper sideband. A fixed, printed lowpass filter with a cut-off frequency of approx. 2600 MHz at the filter output suppresses the 2nd and 3rd-order LO mixing products.

The traveling-wave amplifier V91-V93 and the MMIC amplifiers N10, N11 and N20 are used as buffer stages between the filters. R691 is provided for level adjustment in this filter.

**7.1.6.3      3rd Filter 2500 to 3300 MHz**

*(sheets 11 and 12 of circuit diagram)*

Filter 3 is set up similar to filter 2. The three highpass filters are tuned by the capacity diodes V173-V176 and V216-V217. The tunable lowpass filter is located at the filter output and is adjusted via the diodes V177-V179. It is decoupled via the amplifiers V94-V96, N15-N16 and N22.

**7.1.6.4      RF Switch for the IQ Filters**

*(sheets 6 and 13 of circuit diagram)*

Pin-diode switches are provided (V19, V22 and V202 at the filter input and V49-V53 at the filter output).

The current required for biased operation of the diodes is supplied by the operational amplifiers N4 and N5 (signals IQCH1, IQCH2 and IQCH3).

**7.1.7 Output Unit and CW Level Control**

(sheet 13 of circuit diagram)

The required 4-dBm output level is generated by the two amplifier stages N23 and V108, the MMIC amplifier N23 being provided in the IQ path, only.

The selector switch for selection between IQ or CW mode (pin diode switch V46-V48) is accommodated between the amplifiers.

In CW mode, the level detector (V61) following the final amplifier controls the output level which must assume a fixed value. N19-1 is used as difference amplifier which amplifies the detected RF voltage, N19-2 functions as PI control amplifier. The pin-diode modulator of the LO level control works as level control element (cf. 7.1.3). The rated output level is set using the potentiometer R495. The two paths can be switched over via the integrated switch D3.

In IQ mode, the level detector V61 is used for level-preset calibration (cf. 7.1.5).

**7.2 Test Instruments and Utilities**

- Power supply (e.g., NGT35)
- Rf spectrum analyzer up to 5 GHz (e.g., FSEB, FSB)
- DC voltmeter, ammeter (UDS5)

**7.3 Troubleshooting**

The test program contained in the service kit provides versatile diagnosis facilities which is why it is just as well suited for error diagnosis. The rated values and the typical values of the filter tuning voltages, which are measured via the diagnosis while troubleshooting can be looked up under 7.4.7.1 and 7.4.7.2.

Prior to troubleshooting, check, whether the respective data have been transferred correctly (7.4.7.3) and whether the important reference and control voltages (7.4.1) are provided.

**7.3.1 Level Control out of Tolerance**

**Error message "IQCON ALC LOOP FAILURE"**

First check, which operating mode and which frequencies are effected by the level control failure

**only for frequencies from 450 to 1500 MHz in CW mode and 750 to 1200 MHz with vector modulation**

Error with harmonic filter, check diagnostic points 2003 and 2011, harmonic filter test acc. to 7.4.

Error with RF switch; check whether pin diodes V32, V33 and V35, V37 are forward biased (CH2ON: -12 V, CH1ON: -12 V)

only for frequencies 0.3 to 450 MHz, 1500 to 3300 MHz in CW mode and 0.3 to 750 MHz, 1200 to 3300 MHz with vector modulation

Error in the doubler path; check diagnoses 2004 and 2012, perform doubler path test acc. to 7.4.3

Error with RF switch; check whether pin diodes V32, V34 and V36, V37 are forward biased (CH2ON: 12 V, CH1ON: -12 V)

Error with level control element V55; measure voltage drop at R534, typ. 0.2 to 4 V

Error in the RF path (7.4.7.4)

in CW mode, only, with all frequencies

Check detector and control amplifier CW acc. to 7.4.4.3; perform level adjustment CW acc. to 7.4.4.4

Error with RF switch; check whether pin V39, V41 and V46, V48 are forward biased (LO-ON: -12 V, IQOFF: 12 V)

with vector modulation, only, all frequencies

Check working point LO amplifier V106 with vector modulation switched on (7.4.4.1)

Check detector and control amplifier LO acc. to 7.4.4.5, perform level adjustment LO acc. to 7.4.4.6

Error with RF switch; check whether pin diodes V39 and V40 are forward biased (LO-ON: 12 V)

in both operating modes, all frequencies

Check RF level at the output harmonic filter or doubler path via diagnosis 2011 and 2012; if no level is provided, the error is located in the harmonic filter or in the doubler path: see above for troubleshooting H

Check working points of the RF amplifiers in the control (7.4.4.1) and common level control (7.4.4.2)

Check switch D3 for control switchover

**7.3.2 Level Error**

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Level out of tolerance with CW</b>                | Perform level adjustment acc. to 7.4.4.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Level out of tolerance with vector modulation</b> | Perform level-preset calibration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Error with level-preset calibration</b>           | <p>Check diagnosis 2015 in CW mode, perform level adjustment CW acc. to 7.4.4.4, if required; make sure that the diagnosis works correctly</p> <p>Check the common RF path with vector modulation; perform tests 7.4.5.1 - 7.4.5.3 successively, note instructions to 7.4.5</p> <p>depending on which frequency the level-preset calibration is interrupted at, the error is located in one of the tunable IQ filters, perform test 7.4.6 for the corresponding filter</p> <p>Check whether the pin diodes in the RF switches preceding and following the IQ filters are forward biased; check control voltages to <math>\pm 12</math> V: IQCH1, IQ1IN, IQCH2, IQ2IN, IQCH3 and IQ3IN</p> <p>Error in the RF path (7.4.7.4)</p> |

**7.3.3 Spectral Purity of the Output Signal FIQFIL**

|                                       |                                                                                                                                                                                                                                           |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>bad harmonics spectrum with CW</b> | <p>Harmonic filter test acc. to 7.4.2 for frequencies from 450 to 1500 MHz</p> <p>Test of doubler path acc. to 7.4.3 for frequencies &gt; 1500 MHz</p> <p>Check working points of the RF amplifiers in the CW level control (7.4.4.1)</p> |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**bad harmonic spectrum with  
vector modulation**

Perform level-preset calibration

Measure working points of the  
broadband amplifiers (7.4.5.2)

Check working points of the  
buffer amplifiers in the IQ  
filters depending on the  
frequency range (7.4.6.2)

**Subharmonic spurious for  
frequencies from 1500 to 3000  
MHz in CW mode**

Perform test of the filter  
tuning voltages in the doubler  
path acc. to 7.4.3.1

Error with RF switch, check  
whether pin diodes V32, V33 or  
V35, V37 are reverse biasing,  
check switching voltages (CH2ON:  
12 V, CH1ON: -12 V)

**Nonharmonic spurious with vector  
modulation at  $\pm 300$  MHz or  $\pm 600$   
MHz from the carrier**

Check filter tuning voltages  
acc. to 7.4.6.1

**Nonharmonic spurious with 600  
MHz**

Perform level-preset calibration

Check working points of the  
amplifiers in the RF path  
(7.4.5.2 and 7.4.6.2)

## **7.4 Testing and Adjustment**

*All measured values given without tolerances are recommended values. Voltages given without further information mean DC voltages.*

*The service kit contains an adaptor to make the module accessible. The adaptor is plugged into the chassis instead of the module and the RF connections at X221 and X223 are connected. A measurement cable is connected to the RF output X227. Then, the module can be plugged into the adaptor.*

*Prior to each test, a PRESET on the instrument causes the module to assume a defined state. If no further information is given with frequency settings, CW operation is assumed.*

*Tests in IQ mode (VECTOR MOD:STATE ON) require a voltage of  $0.5 \pm 0.01$  V to be applied to the front unit.*

### **7.4.1 Testing Data Transmission and Power Supply**

(cf. sheets 14-17 of circuit diagram)

According to the instrument standard, the IQCON module is controlled via a serial interface using the SERBUS-D component. Data for setting the module are transmitted via subaddress 1. The second subaddress is provided for data traffic with the EEPROM, which contains the complete calibration data for filter control. The MSB is first transmitted for board setting and is applied at Q8 (pin 11) of the corresponding latch. Settings and associated data are given in Section 7.4.7.3.

The power consumption of the module can be checked by looping in an ammeter instead of the coils L3, L4, L5, L304 and L305 (7.6). The most important reference and supply voltages are checked using a DC voltmeter.

| Test point | Type of voltage                                                 | Voltage [V]    |
|------------|-----------------------------------------------------------------|----------------|
| P9         | Reference for all regulated voltages                            | $10 \pm 0.02$  |
| P10        | Reference voltage for generation of the filter tuning voltages  | $10 \pm 0.02$  |
| P11        | Reference voltage for working point and level controls          | $-10 \pm 0.02$ |
| P7         | Regulated supply voltage for RF amplifier                       | $4.54 \pm 0.1$ |
| P12        | Regulated supply voltage for RF amplifier and reference voltage | $6.65 \pm 0.1$ |

### **7.4.2 Harmonic Filter Test**

Prior to checking the RF response of the harmonic filter (7.4.2.2), it is advisable to check the filter tuning voltages acc. to 7.4.2.1 or the transmitted data acc. to 7.4.7.3.

#### **7.4.2.1 Testing the Tuning Voltages**

(cf. sheet 2 of circuit diagram)

- Set frequencies acc. to the table below and measure tuning voltages using a DC voltmeter.

| Setting        | Voltage OWFIL [V] | Voltage at C15 [V] |
|----------------|-------------------|--------------------|
| FREQ 450.1 MHz | 0.4 to 2.5        | 0.3 to 2           |
| FREQ 1500 MHz  | $21 \pm 0.3$      | $16.1 \pm 0.3$     |

#### **7.4.2.2 Performance of the Harmonic Filter**

(cf. sheets 2 and 5 of circuit diagram)

The performance of the harmonic filter with the lower and upper cut-off frequency is measured. A current of 0.2 mA is applied to P4 (remove jumper P4-5) to measure with defined load.

- Connect spectrum analyzer with appropriate RF connectors to the test connector X2

- Settings: **FREQ 450.1 MHZ**
  - Measure RF level of fundamental:  $-23 \pm 4$  dBm
  - Measure RF level of 1st harmonic 900.2 MHz: typ. < -50 dBc
  - Measure RF level of 2nd harmonic 1350.3 MHz: typ. < -40 dBc
- Settings: **RF 1100 MHZ**
  - Measure RF level of fundamental:  $-23 \pm 5$  dBm
  - Measure RF level of 1st harmonic 2200 MHz: typ. < -40 dBc
  - Measure RF level of 2nd harmonic 3300 MHz: typ. < -40 dBc

### **7.4.3 Doubler Path Test**

Prior to testing the RF response of the doubler filters (7.4.3.3) it is advisable to check the transmitted data acc. to 7.4.7.3, the filter tuning voltages acc. to 7.4.3.1 and the working points of the individual amplifiers acc. to 7.4.3.2.

#### **7.4.3.1 Testing the Tuning Voltages**

(cf. circuit diagram 3 and 4)

- Set frequencies acc. to table and measure tuning voltages using a DC voltmeter

| Setting         | Voltage VDFIL [V] | Voltage VDTUNE [V] | Voltage VDTUNE2 [V] |
|-----------------|-------------------|--------------------|---------------------|
| FREQ 1500.1 MHz | 0.15 to 2.5       | 0.37               | 0.25                |
| FREQ 2000 MHz   | 4.5 to 7.5        | 8.05               | 5.54                |
| FREQ 3000 MHz   | $21 \pm 0.3$      | 15.9               | 10.9                |

#### **7.4.3.2 Working Points of the Buffer Amplifiers**

(cf. sheets 3 and 4 of circuit diagram)

- Check typical DC voltages acc. to the table below using a voltmeter

| Amplifier | Test point   | Rated value[V] |
|-----------|--------------|----------------|
| N17       | Test pad Q22 | $3.6 \pm 0.1$  |
|           | UGATE-D1     | -1 to 0.5      |
| V149      | Test pad Q23 | $3.7 \pm 0.1$  |
|           | UBASIS-D2    | 2.4            |
| V148      | Test pad Q24 | $3.7 \pm 0.1$  |
|           | UBASIS-D3    | 2.4            |
| V150      | Test pad Q25 | $3.7 \pm 0.1$  |
|           | UBASIS-D4    | 2.4            |

#### **7.4.3.3 Performance of the Doubler Path**

(cf. sheets 2-4 of circuit diagram)

The transmission function of the frequency doubler and of the tunable doubler filter is checked. A current of 0.2 mA is applied to P4 (remove jumper P4-5) to measure with defined load.

The two chambers C and D must be covered by an appropriate metal strip to enable measuring of the respective filter attenuation.

- Connect spectrum analyzer with appropriate RF connectors to test connector X2
- Settings: **FREQ 1500.1 MHZ**
  - Measure RF level of output frequency 1500.1 MHz:  $-22 \pm 5$  dBm
  - Measure RF level of 1st subharmonic 750.05 MHz:  $< -74$  dBc
  - Measure RF level of 3rd subharmonic 2250.15 MHz:  $< -74$  dBc
- Settings: **FREQ 2000 MHZ**
  - Measure RF level of output frequency 2000.1 MHz :  $-22 \pm 6$  dBm
  - Measure RF level of 1st subharmonic 1000 MHz:  $< -74$  dBc
  - Measure RF level of 3rd subharmonic 3000 MHz:  $< -74$  dBc
- Settings: **FREQ 3000 MHZ**
  - Measure RF level of output frequency 3000.1 MHz:  $-22 \pm 6$  dBm
  - Measure RF level of 1st subharmonic 1500 MHz:  $< -74$  dBc
  - Measure RF level of 3rd subharmonic 4500 MHz:  $< -74$  dBc

#### **7.4.3.4 Level Adjustment in the Doubler Path**

(cf. sheet 3 of circuit diagram)

This level adjustment is intended to adjust the levels in the harmonic path to those in the doubler path. The level control is assumed to work correctly. The board output X227 must be terminated with 50 Ohms..

- Settings: **FREQ 1300 MHZ**  
**UTILITIES:DIAG:TPOINT: STATE ON**  
**TEST POINT 2013**
  - Read off and note diagnosis voltage
- Settings: **FREQ 2000 MHZ**
  - Adjust diagnosis voltage to noted value using R694

#### **7.4.4 Checking Level Control**

##### **7.4.4.1 Checking the Working Points of the Amplifiers in the Controls**

(cf. sheets 5 and 13 of circuit diagram)

- Check typical DC voltages acc. to the table below using a voltmeter

| Amplifier | Test point  | Rated valueV]  | Note/Setting         |
|-----------|-------------|----------------|----------------------|
| V186      | Test pad Q1 | $4.45 \pm 0.1$ | Control of CW and LO |
|           | UBASIS-E1   | 2.3.           |                      |
| V147      | Test pad Q2 | $4.45 \pm 0.1$ | Control of CW and LO |
|           | UBASIS-E2   | 2.5            |                      |

| Amplifier | Test point   | Rated value [V] | Note/Setting                           |
|-----------|--------------|-----------------|----------------------------------------|
| V107      | Test pad Q3  | $6 \pm 0.2$     | Control of CW and LO                   |
|           | UGATE-E1     | -1.2 to -0.2    |                                        |
| V106      | Test pad Q4  | $7.4 \pm 0.3$   | only LO control<br>VECTOR MOD:STATE ON |
|           | UGATE-E2     | -1.2 to -0.2    |                                        |
| V108      | Test pad Q17 | $7.45 \pm 0.3$  | only CW control                        |
|           | UGATE-K2     | -1.2 to -0.1    |                                        |

#### **7.4.4.2      Testing the Common Level Control Element**

(cf. sheets 5 and 13 of circuit diagram)

The level control element (V42 and V38) is either controlled by the control amplifier of the LO control or by the control amplifier of CW control. The level control range of the control element is typical > 20 dB.

Simultaneously, all amplifiers including the one at the module output are measured. Testing is performed in CW mode.

- Connect spectrum analyzer to X227.
- Remove jumper P4-5 and connect current source to P4.
- Settings:                      **FREQ 1000 MHZ**
- Apply current from 0 to 10 mA and measure level with 1000 MHz at the module output. Maximum level: > 7 dBm, minimum level < -10 dBm

#### **7.4.4.3      Testing Detector and Control Amplifier CW**

(cf. sheet 13 of circuit diagram)

First check, whether the detector diodes V61 and V60 are forward biased correctly. Subsequently, check correct functioning of the detector and the integrator.

Following this test, a level adjustment has to be performed acc. to 7.4.4.4.

- Remove jumper P4-5.
- Connect current source to P4, current 0 mA
- Connect spectrum analyzer to X227
- Settings:                      **FREQ 1000 MHZ**
- Check whether the two diodes V61 and V60 are forward biased correctly using a DC voltmeter. The forward voltage is approx. 200 mV. The voltage potential at the cathode of the two diodes is approx. -0.2 V.
- Settings:                      **UTILITIES:DIAG:TPOINT: STATE ON  
TEST POINT 2015**
- Measure output voltage of summing amplifier N19-1 via diagnostic point 2015: < 50 mV
- Settings:                      **TEST POINT 2013**
- Measure output voltage of integrator N19-2 via diagnostic point 2013: > 12 V

- Turn potentiometer R495 fully clockwise
- Slowly increase current at P4 until RF level at X227 is approx. 4 dBm
- Settings: **TEST POINT 2015**
- Measure output voltage of summing amplifier N19-1 via diagnostic point 2015: approx. 220 mV
- Settings: **TEST POINT 2013**
- Measure output voltage of integrator N19-2 via diagnostic point 2013: < 0 V

#### **7.4.4.4 Level Adjustment CW**

(cf. sheets 5 and 13 of circuit diagram)

The level is adjusted with closed control loop. The reference value of control is set via R495. Jumper P4-5 is fitted.

- Connect spectrum analyzer to X227
- Settings: **FREQ 1300 MHZ**
- Adjust level to the rated value of  $4 \pm 0.2$  dBm using R495
- There must not occur any noise peaks or secondary lines close to the carrier ( $\pm 1$  MHz)

#### **7.4.4.5 Testing Detector and Control Amplifier LO**

(cf. sheet 5 of circuit diagram)

First check, whether the detector diodes V59 and V58 are forward biased correctly. Subsequently, check correct functioning of the detector and the integrator. Following this test, a level adjustment has to be performed acc. to 7.4.4.6.

- Remove jumper P4-5.
- Connect current source to P4, current 0 mA
- Connect spectrum analyzer with appropriate connectors to test connector X4
- Settings: **FREQ 1000 MHZ**  
**VECTOR MOD:STATE ON**
- Check, whether the detector diodes V59 and V58 are forward biased correctly using a DC voltmeter. The forward voltage is approx. 200 mV. The voltage potential at the cathode is approx. -0.2 V.
- Settings: **UTILITIES:DIAG:TPOINT: STATE ON**  
**TEST POINT 2013**
- Measure output voltage of integrator N18-2 via diagnostic point 2013: > 12 V
- Turn potentiometer R494 fully clockwise

- Slowly increase current at P4 until RF level at X227 is approx. -8 dBm with 1300 MHz
- Measure output voltage of integrator N18-2 via diagnostic point 2013: < 0 V

#### **7.4.4.6 LO Level Adjustment**

(cf. sheet 5 of circuit diagram)

The level is adjusted with closed control loop. The reference value of control is set via R494. Jumper P4-5 is fitted.

- Connect spectrum analyzer with appropriate connectors to X4
- Settings: **FREQ 1000 MHZ**  
**VECTOR MOD:STATE ON**
- Adjust level with 1300 MHz to the rated value of  $-8 \pm 0.2$  dBm using R494
- There must not occur any noise peaks or secondary lines close to the carrier ( $\pm 1$  MHz)

#### **7.4.5 Test of the Common RF Path with IQ**

For checking the RF path between the mixer and the tunable bandpass filters, it is required that the mixer is correctly controlled at its LO and IF inputs.

For checking the LO input with vector modulation switched on, the control voltage can be checked via diagnosis 2013 (7.4.7.1). A 0.5-V DC voltage must be applied to the I or Q input on the front panel to enable generation of the required IF level. The 300-MHz signal can be measured at the output X242 of the IQ modulator.

##### **7.4.5.1 Testing the Level Preset Element**

(cf. sheets 6 and 15 of circuit diagram)

The Level-Preset element is controlled via a difference amplifier with current source. The required difference voltage is set via an 8-bit D/A converter (U5).

First, measure the current supplied by the current source and the reference voltage of the difference amplifier.

- Check current by measuring the voltage drop via R70 using a DC voltmeter. The current should be 2 mA. The voltage potential at the base of V25 (pin2) is 3.5 V.
- Setting: **FREQ 1000 MHZ**  
**VECTOR MOD:STATE ON**  
**UTILITIES:DIAG:TPOINT: STATE ON**  
**TEST POINT 2002**
- The diagnostic voltage should be between 2.7 V and 2.9 V. Die Diagnosespannung sollte zwischen 2.7 und 2.9 V liegen. The resulting current is used for control of the level preset element. It is typical 100 to 400  $\mu$ A and can be measured as voltage drop via R537 using a DC voltmeter.

#### **7.4.5.2 Checking the Working Points of the Broadband Amplifiers**

(cf. sheets 6 and 13 of circuit diagram)

➤ Check typical DC voltages acc. to the table below using a voltmeter

| Amplifier | Test point   | Rated value<br>[V] |
|-----------|--------------|--------------------|
| V100-102  | Test pad Q20 | $4.5 \pm 0.1$      |
|           | UGATE-F1     | -0.5 to 0          |
| V109      | Test pad Q21 | $5.6 \pm 0.2$      |
|           | UGATE-F3     | -1.5 to -0.3       |
| N23       | Pin 3        | $5 \pm 0.5$        |

#### **7.4.5.3 Performance of the Mixer and the Broadband Amplifier**

(cf. sheet 6 of circuit diagram)

Correct functioning of the mixer, the two-stage amplifier and the level preset element are checked.

- Connect spectrum analyzer with appropriate connectors to test connector X3

- Settings: **VECTOR MOD:STATE ON**

➤ Set frequencies acc. to table and measure typical levels at the given frequencies using a spectrum analyzer

| Frequency setting [MHz] | Measurement frequency [MHz] | Typical level [dBm] |
|-------------------------|-----------------------------|---------------------|
| 751                     | 751                         | -30                 |
|                         | 600                         | < -85               |
|                         | 900                         | < -100              |
|                         | 1051                        | < -30               |
| 2000                    | 2000                        | -32                 |
|                         | 1700                        | < -30               |
| 3300                    | 3300                        | -34                 |
|                         | 3000                        | < -25               |

#### **7.4.6 Testing the IQ Filters**

A network analyzer is required to measure exact transmission performance of the tunable IQ filters. For a rough check of correct function, therefore, connectors are provided at the filters which allow for measuring typical levels of the wanted sidebands.

It is advisable, however, to first check the working points and control voltages in the filters.

**7.4.6.1 Testing the Tuning Voltages***(cf. sheets 7-12 of circuit diagram)*

- Settings: **VECTOR MOD:STATE ON**

➤ Set frequencies acc. to table below and measure tuning voltages directly at the filters using a DC voltmeter

| Setting       | Voltage IQFIL1 [V] | Voltage IQFIL2 [V] | Voltage IQFIL3 [V] |
|---------------|--------------------|--------------------|--------------------|
| FREQ 751 MHz  | 1.2 to 3           | 1.2 to 3           | 0.1 to 1.8         |
| FREQ 1800 MHz | 10 to 14           | 13 to 17           | 13.5 to 18.5       |
| FREQ 1801 MHz | 0.2 to 2.5         | 4.5 to 7           | 0.4 to 2.4         |
| FREQ 2500 MHz | 14 to 21           | 13 to 19           | 11 to 16           |
| FREQ 2501 MHz | 4.2 to 7.4         | 3.5 to 6.5         | 1.2 to 3.5         |
| FREQ 3300 MHz | 13 to 18.5         | 14 to 19.5         | 11 to 16           |

**7.4.6.2 Working Points of the Buffer Amplifiers***(cf. sheets 7-12 of circuit diagram)*

Since some of the amplifiers are switched off, if the respective filters are not used, a frequency setting is required for checking their working points.

- Settings: **VECTOR MOD:STATE ON**

➤ Set corresponding RF frequency and measure typical DC voltages acc. to table using a voltmeter

| Setting       | Amplifier | Test point   | Rated value [V] |
|---------------|-----------|--------------|-----------------|
| FREQ 1000 MHz | N12       | Test pad Q9  | 3.55 ± 0.1      |
|               |           | UGATE-G1     | -1.5 to 0.2     |
|               | N13       | Test pad Q10 | 3.55 ± 0.1      |
|               |           | UGATE-G2     | -1.5 to 0.2     |
|               | N21       | Test pad Q11 | 3.55 ± 0.1      |
|               |           | UGATE-G3     | -1.5 to 0.2     |
|               | N14       | Test pad Q12 | 3.55 ± 0.1      |
|               |           | UGATE-G4     | -1.5 to 0.2     |
| FREQ 2000 MHz | V91-V93   | Test pad Q5  | 3.95 ± 0.1      |
|               |           | UGATE-H1     | -0.5 to 0       |
|               | N10       | Test pad Q6  | 3.55 ± 0.1      |
|               |           | UGATE-H2     | -1.5 to 0.2     |
|               | N20       | Test pad Q7  | 3.55 ± 0.1      |
|               |           | UGATE-H3     | -1.5 to 0.2     |
|               | N11       | Test pad Q8  | 3.55 ± 0.1      |
|               |           | UGATE-H4     | -1.5 to 0.2     |
| FREQ 3000 MHz | V94-V96   | Test pad Q13 | 3.95 ± 0.1      |
|               |           | UGATE-I1     | -0.5 to 0       |
|               | N15       | Test pad Q14 | 3.55 ± 0.1      |
|               |           | UGATE-I2     | -1.5 to 0.2     |
|               | N22       | Test pad Q15 | 3.55 ± 0.1      |
|               |           | UGATE-I3     | -1.5 to 0.2     |
|               | N16       | Test pad Q16 | 3.55 ± 0.1      |
|               |           | UGATE-I4     | -1.5 to 0.2     |

**7.4.6.3      Checking Typical RF Levels**

(cf. sheets 6-13 of circuit diagram)

- Connect spectrum analyzer with appropriate connectors to test connectors X6, X5 or X7
- Settings:                      **VECTOR MOD:STATE ON**
- Set frequencies acc. to table and measure typical levels using a spectrum analyzer

| Frequency setting [MHz] | Test connector | Typical level [dBm] |
|-------------------------|----------------|---------------------|
| 751                     | X6             | -33                 |
|                         | X1             | -40                 |
| 1800                    | X6             | -31                 |
|                         | X1             | -34                 |
| 1801                    | X5             | -31                 |
|                         | X1             | -35                 |
| 2500                    | X5             | -25                 |
|                         | X1             | -34                 |
| 2501                    | X7             | -30                 |
|                         | X1             | -35                 |
| 3300                    | X7             | -26                 |
|                         | X1             | -33                 |

**7.4.6.4      Filter Calibration and Level Adjustment of the IQ Filters**

New filter calibration can only be performed in the factory Memmingen (Board Pretest). This is, however, only required, after replacing either capacity diodes in the IQ filters or the EEPROM containing the calibration data.

Each new calibration must be followed by a level adjustment of the filters. For this purpose, the potentiometers R691-R693 are provided, which allow for adjusting the levels of the three filters to each other. They must not be varied in normal operation.

**7.4.7      Tables and Interfaces****7.4.7.1      List of Diagnostic Test Points**

(cf. sheet 14 of circuit diagram)

Two diagnosis multiplexers (D13, D14) are provided for monitoring the important control voltages and RF levels.

The potential of the module ground can be measured in order to compensate for offset voltages (diagnosis 2000)

Diagnosis multiplexer 1:

| Diagnostic point | Specified range [V] | Remark/Setting                        |
|------------------|---------------------|---------------------------------------|
| 2000             | -0.01 to 0.01       | Reference 10 kOhm                     |
| 2001             | -9.9 to 10.1        | -10V reference voltage, REF-10        |
| 2002             | 2.55 to 4.45        | Level-preset voltage, LPRE1           |
| 2003             | 0 to 21             | Tuning voltage harmonic filter, OWFIL |

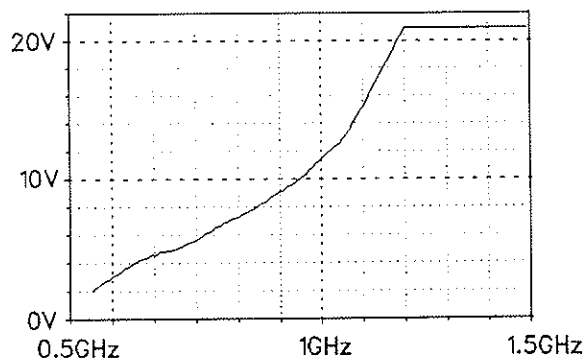
| Diagnostic point | Specified range [V] | Remark/Setting                                         |
|------------------|---------------------|--------------------------------------------------------|
| 2004             | 0 to 21             | Tuning voltage doubler filter lowpass, VDFIL           |
| 2005             | 0 to 21             | Tuning voltage IQ filter, sideband, IQFIL1             |
| 2006             | 0 to 21             | Tuning voltage IQ filter, LO frequency, IQFIL2         |
| 2007             | 0 to 21             | Tuning voltage IQ filter, LO $\pm 2 \cdot IF$ , IQFIL3 |

#### Diagnosis multiplexer 2:

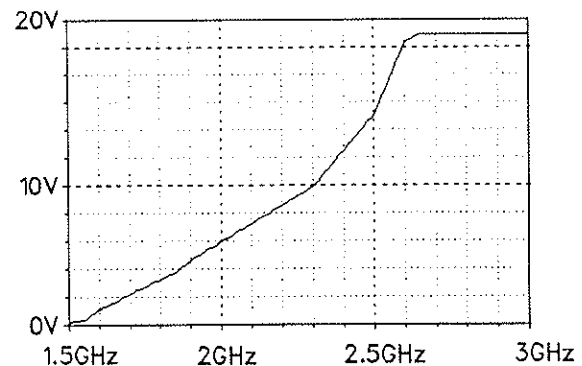
| Diagnostic point | Specified range [V] | Remark/Setting                                                                                                        |
|------------------|---------------------|-----------------------------------------------------------------------------------------------------------------------|
| 2008             | 4.44 to 4.64        | Reference voltage 4.54 V, REF4                                                                                        |
| 2009             | 6.55 to 6.75        | Reference voltage 6.55 V, REF6                                                                                        |
| 2010             | 9.9 to 10.1         | Reference voltage 10 V, REF10                                                                                         |
| 2011             | 0.02 to 0.1         | RF level output harmonic filter<br>450 to 1500 MHz, CW<br>750 to 1200 MHz, vector modulation                          |
| 2012             | 0.02 to 0.1         | RF level output doubler path<br>0.3 to 450 MHz, 1500 to 3300 MHz, CW<br>0.3 to 750 MHz, 1200 to 3300 MHz, vector mod. |
| 2013             | 2.4 to 10           | Control voltage level control, interrupt<br>Level control CW level, CW<br>Level control LO level, vector modulation   |
| 2014             | 0.1 to 0.6          | RF level input IQ filter<br>0.5 V at I or Q input, vector modulation                                                  |
| 2015             | 0.13 to 0.37        | RF level module output FIQFIL<br>constant with CW mode                                                                |

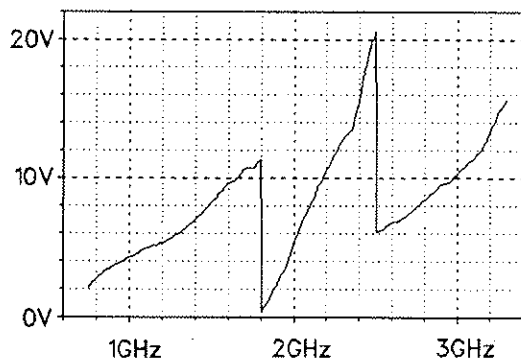
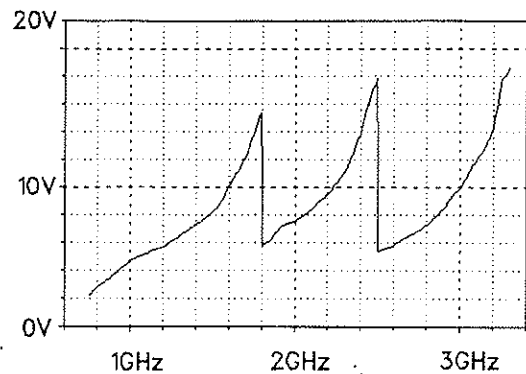
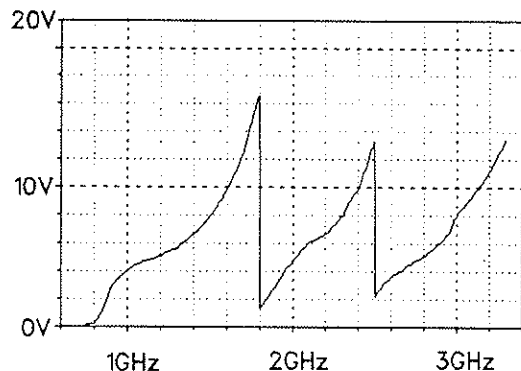
#### 7.4.7.2 Typical Characteristic of the Filter Tuning Voltages

##### Diagnosis 2003:



##### Diagnosis 2004:



**Diagnosis 2005:****Diagnosis 2006:****Diagnosis 2007:****7.4.7.3 Digital Interface**

(cf. sheets 14 + 15 of circuit diagram)

The IQCON module is set via a serial interface using the SERBUS-D component, according to the instrument standard. The data for the serial shift registers for the HC4094-Latches are strobed by strobe 1 (SERWR1).

The second subaddress is provided for communication with the onboard EEPROM. The latter contains the tuning values for all tunable filters obtained with filter calibration. The data format corresponds to the R&S standard. External access to the filters is not possible which is why they are not mentioned.

| Latch |    | Name     | Function                                                                                                                                                                                  |     |
|-------|----|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| D11   | 11 | Lpre1_7  | Setting for level preset with vector modulation<br>Range from 0 to 255<br>corresponds to current of 0 to 2 mA through level preset element                                                | MSB |
|       | 12 | Lpre1_6  |                                                                                                                                                                                           |     |
|       | 13 | Lpre1_5  |                                                                                                                                                                                           |     |
|       | 14 | Lpre1_4  |                                                                                                                                                                                           |     |
|       | 7  | Lpre1_3  |                                                                                                                                                                                           |     |
|       | 6  | Lpre1_2  |                                                                                                                                                                                           |     |
|       | 5  | Lpre1_1  |                                                                                                                                                                                           |     |
|       | 4  | Lpre1_0  |                                                                                                                                                                                           | LSB |
| D10   | 11 | Iqfil3_7 | Tuning voltage for IQ filters in three ranges, for filtering of $1*LO \pm 2*RF$<br>750 to 3300 MHz<br>Range from 0 to 255<br>corresponds to tuning voltage from 0 to 21 V                 | MSB |
|       | 12 | Iqfil3_6 |                                                                                                                                                                                           |     |
|       | 13 | Iqfil3_5 |                                                                                                                                                                                           |     |
|       | 14 | Iqfil3_4 |                                                                                                                                                                                           |     |
|       | 7  | Iqfil3_3 |                                                                                                                                                                                           |     |
|       | 6  | Iqfil3_2 |                                                                                                                                                                                           |     |
|       | 5  | Iqfil3_1 |                                                                                                                                                                                           |     |
|       | 4  | Iqfil3_0 |                                                                                                                                                                                           | LSB |
| D9    | 11 | Iqfil2_7 | Tuning voltage for IQ filters in three ranges, for filtering of $1*LO$<br>750 to 3300 MHz<br>Range from 0 to 255<br>corresponds to tuning voltage from 0 to 21 V                          | MSB |
|       | 12 | Iqfil2_6 |                                                                                                                                                                                           |     |
|       | 13 | Iqfil2_5 |                                                                                                                                                                                           |     |
|       | 14 | Iqfil2_4 |                                                                                                                                                                                           |     |
|       | 7  | Iqfil2_3 |                                                                                                                                                                                           |     |
|       | 6  | Iqfil2_2 |                                                                                                                                                                                           |     |
|       | 5  | Iqfil2_1 |                                                                                                                                                                                           |     |
|       | 4  | Iqfil2_0 |                                                                                                                                                                                           | LSB |
| D8    | 11 | Iqfil1_7 | Tuning voltage for IQ filters in three ranges, for filtering of second sideband $1*LO \pm 1*RF$<br>750 to 3300 MHz<br>Range from 0 to 255<br>corresponds to tuning voltage from 0 to 21 V | MSB |
|       | 12 | Iqfil1_6 |                                                                                                                                                                                           |     |
|       | 13 | Iqfil1_5 |                                                                                                                                                                                           |     |
|       | 14 | Iqfil1_4 |                                                                                                                                                                                           |     |
|       | 7  | Iqfil1_3 |                                                                                                                                                                                           |     |
|       | 6  | Iqfil1_2 |                                                                                                                                                                                           |     |
|       | 5  | Iqfil1_1 |                                                                                                                                                                                           |     |
|       | 4  | Iqfil1_0 |                                                                                                                                                                                           | LSB |
| D7    | 11 | Vdfil_7  | Tuning voltage for lowpass of the subharmonic filter in the doubler path<br>1500 to 3000 MHz<br>Range from 0 to 255<br>corresponds to tuning voltage from 0 to 21 V                       | MSB |
|       | 12 | Vdfil_6  |                                                                                                                                                                                           |     |
|       | 13 | Vdfil_5  |                                                                                                                                                                                           |     |
|       | 14 | Vdfil_4  |                                                                                                                                                                                           |     |
|       | 7  | Vdfil_3  |                                                                                                                                                                                           |     |
|       | 6  | Vdfil_2  |                                                                                                                                                                                           |     |
|       | 5  | Vdfil_1  |                                                                                                                                                                                           |     |
|       | 4  | Vdfil_0  |                                                                                                                                                                                           | LSB |
| D12   | 11 | Owfil_7  | Tuning voltage for harmonic filter<br>450 to 1500 MHz<br>Range from 0 to 255<br>corresponds to tuning voltage from 0 to 21 V                                                              | MSB |
|       | 12 | Owfil_6  |                                                                                                                                                                                           |     |
|       | 13 | Owfil_5  |                                                                                                                                                                                           |     |
|       | 14 | Owfil_4  |                                                                                                                                                                                           |     |
|       | 7  | Owfil_3  |                                                                                                                                                                                           |     |
|       | 6  | Owfil_2  |                                                                                                                                                                                           |     |
|       | 5  | Owfil_1  |                                                                                                                                                                                           |     |
|       | 4  | Owfil_0  |                                                                                                                                                                                           | LSB |

| Latch |    | Remark   | Function                                                                                                                      |       |       |
|-------|----|----------|-------------------------------------------------------------------------------------------------------------------------------|-------|-------|
| D6    | 11 | Fil3     | Switching bit for IQ filter 3<br>2500 to 3300 MHz                                                                             | 0=ON  | 1=OFF |
|       | 12 | Fil2     | Switching bit for IQ filter 2<br>1800 to 2500 MHz                                                                             | 0=ON  | 1=OFF |
|       | 13 | Fil1     | Switching bit for IQ filter 1<br>750 to 1800 MHz                                                                              | 0=ON  | 1=OFF |
|       | 14 | Fg2      | Switchover bits for highpass<br>filters in the doubler path<br>0=2300 to 3000 MHz<br>1=1500 to 1850 MHz<br>2=1850 to 2300 MHz | 0=F1  | 1=F2  |
|       | 7  | Fg1      |                                                                                                                               |       |       |
|       | 6  | F1_F2    |                                                                                                                               |       |       |
|       | 5  | IQ_CW    | Switchover bit IQ/CW mode                                                                                                     | 0=IQ  | 1=CW  |
|       | 4  | RefHiLo  | Switchover bit for level<br>control                                                                                           | 0=LO  | 1=CW  |
| D4    | 11 | -        | Diagnosis multiplexer 2<br>Diagnostic points 2008 to 2015                                                                     | 0=OFF | 1=ON  |
|       | 12 | -        |                                                                                                                               |       |       |
|       | 13 | -        |                                                                                                                               |       |       |
|       | 14 | Diagena2 | Diagnosis multiplexer 1<br>Diagnostic points 2000 to 2007                                                                     | 0=OFF | 1=ON  |
|       | 7  | Diagena1 | Diagnosis multiplexer                                                                                                         |       |       |
|       | 6  | Dmux2    | 0 to 7                                                                                                                        |       |       |
|       | 5  | Dmux1    |                                                                                                                               |       | MSB   |
|       | 4  | Dmux0    |                                                                                                                               |       | LSB   |

#### 7.4.7.4 Typical RF Levels

Conditional testing of the RF paths is possible only by connecting an RF probe to the spectrum analyzer. Make sure to have a short ground connection at low impedance. The series impedance of the probe should amount to 1 kOhm. The indicated values are typical values. The measurements are performed at lowest possible frequencies. The measurements are taken subsequent to the coupling capacitor of the indicated amplifier stage.

| Frequency setting,<br>mode | Test point                                                                            | Typical RF level<br>[dBm] |
|----------------------------|---------------------------------------------------------------------------------------|---------------------------|
| 1501 MHz, CW               | Doubler input, pin 1 N8<br>measure with 750.5 MHz                                     | 13                        |
| 1501 MHz, CW               | Output 1st amplifier doubler path,<br>V149                                            | 7                         |
| 1501 MHz, CW               | Output 2nd amplifier doubler path,<br>V148                                            | -1                        |
| 500 MHz, CW                | Output 1st amplifier LO driver,<br>V186                                               | -11                       |
| 500 MHz, CW                | Output 2nd amplifier LO driver,<br>V147                                               | -5                        |
| 500 MHz, CW                | Output 3rd amplifier LO driver,<br>V107                                               | 7                         |
| 751 MHz, Vector modulation | Output 1st amplifier broadband<br>amplifier, V100-V102                                | -5                        |
| 751 MHz, Vector modulation | Output highpass filter following<br>2nd amplifier broadband amplifier<br>(V109), C469 | 6                         |
| 751 MHz, Vector modulation | Output 1st amplifier IQ filter1,                                                      | -4                        |

|                                | N12                                         |                           |
|--------------------------------|---------------------------------------------|---------------------------|
| Set frequency,<br>mode         | Test point                                  | Typical RF level<br>[dBm] |
| 751 MHz, Vector modulation     | Output 3rd amplifier IQ filter1,<br>N21     | -10                       |
| 1801 MHz, Vector<br>modulation | Output 1st amplifier IQ filter2,<br>V91-V93 | -5                        |
| 1801 MHz, Vector<br>modulation | Output 3rd amplifier IQ filter2,<br>N20     | -9                        |
| 2501 MHz, Vector<br>modulation | Output 1st amplifier IQ filter3,<br>N12     | -7                        |
| 2501 MHz, Vector<br>modulation | Output 3rd amplifier IQ filter3,<br>N22     | -12                       |
| 500 MHz, CW                    | Input of output stage V108                  | -7                        |

### **7.5                      Removal and Assembly**

After opening the instrument, unlocking the board and disconnecting the RF connections X221, X223 and X227, the module can be removed from its slot. The screening covers of the board are screwed in the conventional way.

## 7.6 External Interfaces

| Pin      | Name        | Input/Output | Origin/Destination | Specified range                                              | Signal description       |
|----------|-------------|--------------|--------------------|--------------------------------------------------------------|--------------------------|
| Xfff.A12 | SERBUS-CLK  | Input        | A3, FRO, X31.40    | HCT level                                                    | Serbus clock             |
| Xfff.A14 | SERBUS-OUT  | Output       | A3, FRO, X31.39    | HCT level                                                    | Serbus data              |
| Xfff.A15 | SERBUS-IN   | Input        | A3, FRO, X31.39    | HCT level                                                    | Serbus data              |
| Xfff.A16 | SERBUS-SYNC | Input        | A3, FRO, X31.37    | HCT level                                                    | Serbus sync              |
| X220.A17 | SERBUS-INT  | Output       | A3, FRO, X31.38    | HCT level                                                    | Serbus interrupt         |
| X220.A18 | Reset-P     | Input        | A3, FRO, X31.28    | HCT level                                                    | Serbus reset             |
| X220.A19 | DIAG-5V     | Output       | A3, FRO, X31.44    | -5 V to +5 V                                                 | Diagnosis                |
| X220.A22 | VA24-P      | Input        | A2, POWS1          | 23.75 to 25.25 V<br>CW: 28 to 40 mA<br>IQ: 30 to 42 mA       | 24-volt power supply     |
| X220.A24 | VA15-P      | Input        | A2, POWS1          | 14.85 to 15.75 V<br>CW: 250 to 300 mA<br>IQ: 360 to 420 mA   | 15-volt power supply     |
| X220.A26 | VA7.5-P     | Input        | A2, POWS1          | 7.45 to 7.95 V<br>CW: 530 to 590 mA<br>IQ: 530 to 590 mA     | 7.5-V power supply       |
| X220.A28 | VD5-P       | Input        | A2, POWS1          | 5.15 to 5.25 V<br>CW: 450 to 500 mA<br>IQ: 540 to 610 mA     | 5-V digital power supply |
| X220.A30 | VA15-N      | Input        | A2, POWS1          | -15.75 to -14.85 V<br>CW: 120 to 160 mA<br>IQ: 120 to 160 mA | -15-V power supply       |

| Pin  | Name   | Input/Output | Origin/Destination  | Specified range | Signal description                               |
|------|--------|--------------|---------------------|-----------------|--------------------------------------------------|
| X221 | FSUM   | Input        | A9, SUM<br>A7, TSYN | 7 to 12 dBm     | 450 to 1500 MHz<br>Signal of frequency synthesis |
| X223 | IQ300  | Input        | A240, IQMOD         | -5 ± 0.2 dBm    | Vector-modulated signal (bandwidth 30 MHz)       |
| X227 | FIQFIL | Output       | A240, IQMOD         | 4 ± 3 dBm       | Output signal 450 to 3300 MHz                    |



**Schaltteillisten  
numerisch geordnet**

**Part lists  
in numerical order**

**Listes des pièces détachées  
par numéros de référence**



| Comp. No. | Designation                                                                                                | Stock No.       | Manufacturer | Designation          | contained in |
|-----------|------------------------------------------------------------------------------------------------------------|-----------------|--------------|----------------------|--------------|
|           | XX VARIANTENERKLAERUNG<br>IDENTIFICATION OF MODELS<br>VARO2=OHNE SMIQ-B46 EINBAU<br>VARO4=GRUNDAUSFUEHRUNG |                 |              |                      |              |
| C1        | CE 33UF 20% 25V AL SMD                                                                                     | 0009.5592.00    | PANASONIC    | EEV HB 1E 330P       |              |
| ..4       | SMD ELECTROLYTIC CAPACIT.                                                                                  |                 |              |                      |              |
| C5        | CC 3,9PFO, 1PF50V NPO 0603                                                                                 | CC 0009.4509.00 | MURATA       | GRM39COG***B50ZPT    |              |
|           | SMD-CERAMIC-CAPACITOR                                                                                      |                 |              |                      |              |
| C6        | CC 3,9PFO, 1PF50V NPO 0603                                                                                 | CC 0009.4509.00 | MURATA       | GRM39COG***B50ZPT    |              |
|           | SMD-CERAMIC-CAPACITOR                                                                                      |                 |              |                      |              |
| C7        | CC 4,7PFO, 1PF50V NPO 0603                                                                                 | CC 0009.4538.00 | MURATA       | GRM39COG***B50ZPT    |              |
|           | SMD-CERAMIC-CAPACITOR                                                                                      |                 |              |                      |              |
| C8        | CC 3,9PFO, 1PF50V NPO 0603                                                                                 | CC 0009.4509.00 | MURATA       | GRM39COG***B50ZPT    |              |
|           | SMD-CERAMIC-CAPACITOR                                                                                      |                 |              |                      |              |
| C9        | CC 100PF+-1% 50VNPO 0603                                                                                   | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |              |
|           | SMD-CERAMIC-CAPACITOR                                                                                      |                 |              |                      |              |
| C10       | CC 12PF+-1% 50VNPO 0603                                                                                    | CC 0009.8256.00 | MURATA       | GRM39COG***F50ZPT    |              |
|           | SMD-CERAMIC-CAPACITOR                                                                                      |                 |              |                      |              |
| C11       | CC 12PF+-1% 50VNPO 0603                                                                                    | CC 0009.8256.00 | MURATA       | GRM39COG***F50ZPT    |              |
|           | SMD-CERAMIC-CAPACITOR                                                                                      |                 |              |                      |              |
| C12       | CC 100PF+-1% 50VNPO 0603                                                                                   | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |              |
|           | SMD-CERAMIC-CAPACITOR                                                                                      |                 |              |                      |              |
| C13       | CC 5,6PFO, 1PF50V NPO 0603                                                                                 | CC 0009.4521.00 | MURATA       | GRM39COG***B50ZPT    |              |
|           | SMD-CERAMIC-CAPACITOR                                                                                      |                 |              |                      |              |
| C14       | CC 3,9PFO, 1PF50V NPO 0603                                                                                 | CC 0009.4509.00 | MURATA       | GRM39COG***B50ZPT    |              |
|           | SMD-CERAMIC-CAPACITOR                                                                                      |                 |              |                      |              |
| C15       | CC 100PF+-1% 50VNPO 0603                                                                                   | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |              |
|           | SMD-CERAMIC-CAPACITOR                                                                                      |                 |              |                      |              |
| C16       | CC 10NF+-10% 50VHDK 0603                                                                                   | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C500PT* |              |
|           | SMD-CERAMIC-CAPACITOR                                                                                      |                 |              |                      |              |
|           | NICHT BESTUECKT                                                                                            |                 |              |                      |              |
|           | NOT FITTED                                                                                                 |                 |              |                      |              |
| C17       | CC 100PF+-1% 50VNPO 0603                                                                                   | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |              |
|           | SMD-CERAMIC-CAPACITOR                                                                                      |                 |              |                      |              |
| C18       | CC 10NF+-10% 50VHDK 0603                                                                                   | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C500PT* |              |
|           | SMD-CERAMIC-CAPACITOR                                                                                      |                 |              |                      |              |
| C19       | CC 10NF+-10% 50VHDK 0603                                                                                   | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C500PT* |              |
|           | SMD-CERAMIC-CAPACITOR                                                                                      |                 |              |                      |              |
| C20       | CC 100PF+-1% 50VNPO 0603                                                                                   | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |              |
| ..23      | SMD-CERAMIC-CAPACITOR                                                                                      |                 |              |                      |              |
| C24       | CC 10NF+-10% 50VHDK 0603                                                                                   | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| ..27      | SMD-CERAMIC-CAPACITOR                                                                                      |                 |              |                      |              |
| C28       | CC 100PF+-1% 50VNPO 0603                                                                                   | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |              |
|           | SMD-CERAMIC-CAPACITOR                                                                                      |                 |              |                      |              |
| C29       | CC 100PF+-1% 50VNPO 0603                                                                                   | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |              |
|           | SMD-CERAMIC-CAPACITOR                                                                                      |                 |              |                      |              |
| C30       | CC 10NF+-10% 50VHDK 0603                                                                                   | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C500PT* |              |
|           | SMD-CERAMIC-CAPACITOR                                                                                      |                 |              |                      |              |
| C31       | CC 10NF+-10% 50VHDK 0603                                                                                   | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C500PT* |              |
|           | SMD-CERAMIC-CAPACITOR                                                                                      |                 |              |                      |              |
| C32       | CC 100PF+-1% 50VNPO 0603                                                                                   | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |              |
|           | SMD-CERAMIC-CAPACITOR                                                                                      |                 |              |                      |              |
| C33       | CC 100PF+-1% 50VNPO 0603                                                                                   | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |              |
| ..35      | SMD-CERAMIC-CAPACITOR                                                                                      |                 |              |                      |              |
| C36       | CC 10NF+-10% 50VHDK 0603                                                                                   | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C500PT* |              |
|           | SMD-CERAMIC-CAPACITOR                                                                                      |                 |              |                      |              |
|           | NICHT BESTUECKT                                                                                            |                 |              |                      |              |
|           | NOT FITTED                                                                                                 |                 |              |                      |              |
| C37       | CC 100PF+-1% 50VNPO 0603                                                                                   | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |              |
| ..39      | SMD-CERAMIC-CAPACITOR                                                                                      |                 |              |                      |              |
| C40       | CC 10NF+-10% 50VHDK 0603                                                                                   | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C500PT* |              |
|           | SMD-CERAMIC-CAPACITOR                                                                                      |                 |              |                      |              |
|           | NICHT BESTUECKT                                                                                            |                 |              |                      |              |
|           | NOT FITTED                                                                                                 |                 |              |                      |              |
| C41       | CC 100PF+-1% 50VNPO 0603                                                                                   | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |              |
|           | SMD-CERAMIC-CAPACITOR                                                                                      |                 |              |                      |              |
| C42       | CC 100PF+-1% 50VNPO 0603                                                                                   | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |              |
|           | SMD-CERAMIC-CAPACITOR                                                                                      |                 |              |                      |              |
| C43       | CC 10NF+-10% 50VHDK 0603                                                                                   | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C500PT* |              |
|           | SMD-CERAMIC-CAPACITOR                                                                                      |                 |              |                      |              |
|           | NICHT BESTUECKT                                                                                            |                 |              |                      |              |
|           | NOT FITTED                                                                                                 |                 |              |                      |              |
| C44       | CC 100PF+-1% 50VNPO 0603                                                                                   | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |              |
|           | SMD-CERAMIC-CAPACITOR                                                                                      |                 |              |                      |              |
| C45       | CC 100PF+-1% 50VNPO 0603                                                                                   | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |              |
|           | SMD-CERAMIC-CAPACITOR                                                                                      |                 |              |                      |              |

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| C46         | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4680.00         | MURATA                     | GRM39C0G***F50ZPT          |              |
| C47         | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR<br>NICHT BESTUECKT<br>NOT FITTED | CC 0009.4844.00         | MURATA                     | GRM39X7R***K5C500PT*       |              |
| C48         | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4844.00         | MURATA                     | GRM39X7R***K5C500PT*       |              |
| C49         | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4680.00         | MURATA                     | GRM39C0G***F50ZPT          |              |
| ..51<br>C52 | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR<br>NICHT BESTUECKT<br>NOT FITTED | CC 0009.4844.00         | MURATA                     | GRM39X7R***K5C500PT*       |              |
| C53         | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4680.00         | MURATA                     | GRM39C0G***F50ZPT          |              |
| ..55<br>C56 | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR<br>NICHT BESTUECKT<br>NOT FITTED | CC 0009.4844.00         | MURATA                     | GRM39X7R***K5C500PT*       |              |
| C57         | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR<br>NICHT BESTUECKT<br>NOT FITTED | CC 0009.4844.00         | MURATA                     | GRM39X7R***K5C500PT*       |              |
| C58         | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4680.00         | MURATA                     | GRM39C0G***F50ZPT          |              |
| ..61<br>C62 | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR<br>NICHT BESTUECKT<br>NOT FITTED | CC 0009.4844.00         | MURATA                     | GRM39X7R***K5C500PT*       |              |
| C63         | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4680.00         | MURATA                     | GRM39C0G***F50ZPT          |              |
| C64         | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4680.00         | MURATA                     | GRM39C0G***F50ZPT          |              |
| C65         | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR<br>NICHT BESTUECKT<br>NOT FITTED | CC 0009.4844.00         | MURATA                     | GRM39X7R***K5C500PT*       |              |
| C66         | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4680.00         | MURATA                     | GRM39C0G***F50ZPT          |              |
| ..68<br>C69 | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4844.00         | MURATA                     | GRM39X7R***K5C500PT*       |              |
| C70         | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4680.00         | MURATA                     | GRM39C0G***F50ZPT          |              |
| ..72<br>C73 | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR<br>NICHT BESTUECKT<br>NOT FITTED | CC 0009.4844.00         | MURATA                     | GRM39X7R***K5C500PT*       |              |
| C74         | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4680.00         | MURATA                     | GRM39C0G***F50ZPT          |              |
| C75         | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR<br>NICHT BESTUECKT<br>NOT FITTED | CC 0009.4844.00         | MURATA                     | GRM39X7R***K5C500PT*       |              |
| C76         | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4680.00         | MURATA                     | GRM39C0G***F50ZPT          |              |
| C77         | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4680.00         | MURATA                     | GRM39C0G***F50ZPT          |              |
| C78         | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4844.00         | MURATA                     | GRM39X7R***K5C500PT*       |              |
| C79         | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4680.00         | MURATA                     | GRM39C0G***F50ZPT          |              |
| ..82<br>C83 | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4844.00         | MURATA                     | GRM39X7R***K5C500PT*       |              |
| C84         | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4680.00         | MURATA                     | GRM39C0G***F50ZPT          |              |
| C85         | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR<br>NICHT BESTUECKT<br>NOT FITTED | CC 0009.4844.00         | MURATA                     | GRM39X7R***K5C500PT*       |              |
| C86         | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4680.00         | MURATA                     | GRM39C0G***F50ZPT          |              |
| ..88<br>C89 | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4844.00         | MURATA                     | GRM39X7R***K5C500PT*       |              |
| C90         | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4844.00         | MURATA                     | GRM39X7R***K5C500PT*       |              |
| C91         | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4680.00         | MURATA                     | GRM39C0G***F50ZPT          |              |

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| C92       | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4680.00 | MURATA       | GRM39C0G***F50ZPT    |              |
| C93       | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4680.00 | MURATA       | GRM39C0G***F50ZPT    |              |
| C94       | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C95       | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C96       | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4680.00 | MURATA       | GRM39C0G***F50ZPT    |              |
| C97       | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C98       | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4680.00 | MURATA       | GRM39C0G***F50ZPT    |              |
| C99       | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C100      | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C101      | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR<br>NICHT BESTUECKT<br>NOT FITTED | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C102      | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4680.00 | MURATA       | GRM39C0G***F50ZPT    |              |
| ..104     |                                                                                    |                 |              |                      |              |
| C105      | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR<br>NICHT BESTUECKT<br>NOT FITTED | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C106      | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4680.00 | MURATA       | GRM39C0G***F50ZPT    |              |
| ..110     |                                                                                    |                 |              |                      |              |
| C111      | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR<br>NICHT BESTUECKT<br>NOT FITTED | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C112      | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4680.00 | MURATA       | GRM39C0G***F50ZPT    |              |
| C113      | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C114      | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C115      | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4680.00 | MURATA       | GRM39C0G***F50ZPT    |              |
| ..117     |                                                                                    |                 |              |                      |              |
| C118      | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR<br>NICHT BESTUECKT<br>NOT FITTED | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C119      | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4680.00 | MURATA       | GRM39C0G***F50ZPT    |              |
| C120      | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4680.00 | MURATA       | GRM39C0G***F50ZPT    |              |
| C121      | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C122      | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4680.00 | MURATA       | GRM39C0G***F50ZPT    |              |
| ..124     |                                                                                    |                 |              |                      |              |
| C125      | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR<br>NICHT BESTUECKT<br>NOT FITTED | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C126      | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4680.00 | MURATA       | GRM39C0G***F50ZPT    |              |
| C127      | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4680.00 | MURATA       | GRM39C0G***F50ZPT    |              |
| C128      | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4680.00 | MURATA       | GRM39C0G***F50ZPT    |              |
| ..131     |                                                                                    |                 |              |                      |              |
| C132      | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR<br>NICHT BESTUECKT<br>NOT FITTED | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C133      | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4680.00 | MURATA       | GRM39C0G***F50ZPT    |              |
| ..138     |                                                                                    |                 |              |                      |              |
| C139      | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR<br>NICHT BESTUECKT<br>NOT FITTED | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C140      | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4680.00 | MURATA       | GRM39C0G***F50ZPT    |              |
| ..144     |                                                                                    |                 |              |                      |              |
| C145      | CC 0,3PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR                                     | CC 0010.7114.00 | AVX          | 0603 5J *** AAW TR   |              |

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| C146      | NICHT BESTUECKT<br>NOT FITTED<br>CC 0,2PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR    | CC 0010.7108.00 | AVX          | 0603 5J *** AAW TR   |              |
| C147      | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR<br>NICHT BESTUECKT<br>NOT FITTED | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C148      | CC 0,5PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR                                     | CC 0010.7137.00 | AVX          | 0603 5J *** AAW TR   |              |
| C149      | CC 0,2PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR                                     | CC 0010.7108.00 | AVX          | 0603 5J *** AAW TR   |              |
| C150      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR                                 | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C154      | CC 4,7NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR                                 | CC 0009.4809.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C155      | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C156      | CC 470PF+-10%50V HDK 0603<br>SMD-CERAMIC-CAPACITOR                                 | CC 0009.4896.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C157      | CC 4,7NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR                                 | CC 0009.4809.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C158      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR                                 | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C159      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR                                 | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C160      | CC 4,7NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR                                 | CC 0009.4809.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C161      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR                                 | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C162      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR                                 | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C163      | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C164      | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C165      | CC 1,0NF+-10%50V HDK 0603<br>SMD-CERAMIC-CAPACITOR                                 | CC 0009.4938.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C166      | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C167      | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C168      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR                                 | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C169      | CC 4,7NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR                                 | CC 0009.4809.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C170      | CC 470PF+-10%50V HDK 0603<br>SMD-CERAMIC-CAPACITOR                                 | CC 0009.4896.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C171      | CC 4,7NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR                                 | CC 0009.4809.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C172      | CC 470PF+-10%50V HDK 0603<br>SMD-CERAMIC-CAPACITOR                                 | CC 0009.4896.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C173      | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C174      | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C175      | CC 470PF+-10%50V HDK 0603<br>SMD-CERAMIC-CAPACITOR                                 | CC 0009.4896.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C176      | CC 470PF+-10%50V HDK 0603<br>SMD-CERAMIC-CAPACITOR                                 | CC 0009.4896.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C177      | CC 4,7NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR                                 | CC 0009.4809.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C178      | CC 4,7NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR                                 | CC 0009.4809.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C179      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR                                 | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C180      | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C181      | CC 4,7NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR                                 | CC 0009.4809.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C182      | CC 470PF+-10%50V HDK 0603<br>SMD-CERAMIC-CAPACITOR                                 | CC 0009.4896.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C183      | CC 470PF+-10%50V HDK 0603<br>SMD-CERAMIC-CAPACITOR                                 | CC 0009.4896.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C184      | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C185      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR                                 | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |

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| Comp. No. | Designation                                                                         | Stock No.       | Manufacturer | Designation          | contained in |
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| C186      | CC 4,7NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4809.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C187      | CC 1,0NF+-10%50V HDK 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4938.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C188      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR                                  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C189      | CC 1,0NF+-10%50V HDK 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4938.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C190      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR                                  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C191      | CC 4,7NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4809.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C192      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR                                  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C193      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR                                  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C194      | CC 1,0NF+-10%50V HDK 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4938.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C195      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR                                  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C196      | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR<br>NICHT BESTUECKT<br>NOT FITTED  | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C197      | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR<br>NICHT BESTUECKT<br>NOT FITTED  | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C198      | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR                                   | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C199      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR                                  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C200      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR                                  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C201      | CC 1,0NF+-10%50V HDK 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4938.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C202      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR                                  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| ..204     | CC 2,2NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4767.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C205      | CC 2,2NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C209      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR                                  | CC 0009.4767.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C210      | CC 2,2NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C211      | CC 2,2NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4767.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C212      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR<br>NICHT BESTUECKT<br>NOT FITTED | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C213      | CC 1UF+-10% 50V X7R 2220<br>CERAMIC CAPACITOR                                       | CC 0520.6873.00 | AVX          | 2220 5C 105 KAT**A(F |              |
| C214      | CC 1UF+-10% 50V X7R 2220<br>CERAMIC CAPACITOR                                       | CC 0520.6873.00 | AVX          | 2220 5C 105 KAT**A(F |              |
| C215      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR                                  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C216      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR                                  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C217      | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR<br>NICHT BESTUECKT/NOT FITTED     | CC 0009.4680.00 | MURATA       | GRM39C0G***F50ZPT    |              |
| C218      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR<br>NICHT BESTUECKT<br>NOT FITTED | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C219      | CC 1UF+-10% 50V X7R 2220<br>CERAMIC CAPACITOR                                       | CC 0520.6873.00 | AVX          | 2220 5C 105 KAT**A(F |              |
| C220      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR                                  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C221      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR<br>NICHT BESTUECKT<br>NOT FITTED | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C222      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR                                  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C223      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR                                  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |

|                                                                                                                   |          |          |                                     |                                       |                         |                   |
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| C224                  | NICHT BESTUECKT<br>NOT FITTED<br>CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C225                  | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR<br>NICHT BESTUECKT<br>NOT FITTED | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C226                  | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR                                  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C227                  | CC 1UF+-10% 50V X7R 2220<br>CERAMIC CAPACITOR                                       | CC 0520.6873.00 | AVX          | 2220 5C 105 KAT**A(F |              |
| C228                  | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR                                  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C229                  | NICHT BESTUECKT/NOT FITTED<br>CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR    | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| ..231<br>C232         | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR<br>NICHT BESTUECKT<br>NOT FITTED | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C233                  | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR                                  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C234                  | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR                                  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C235                  | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR<br>NICHT BESTUECKT<br>NOT FITTED | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C236                  | CC 1UF+-10% 50V X7R 2220<br>CERAMIC CAPACITOR                                       | CC 0520.6873.00 | AVX          | 2220 5C 105 KAT**A(F |              |
| C237                  | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR                                  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C238                  | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                   | CC 0009.4680.00 | MURATA       | GRM39C0G***F50ZPT    |              |
| C239                  | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR                                  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C240                  | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR                                   | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C241                  | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR<br>NICHT BESTUECKT<br>NOT FITTED  | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C242                  | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR                                   | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C243                  | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR                                  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C244                  | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR<br>NICHT BESTUECKT<br>NOT FITTED  | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C245                  | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR                                  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C246                  | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR                                   | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C247                  | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR                                   | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C248                  | CC 1,0NF+-10%50V HDK 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4938.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C249                  | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR                                   | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| ..252<br>C253         | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR                                  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C254                  | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR                                   | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C255                  | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR                                   | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C256                  | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR                                   | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C257                  | CC 0,7PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR                                      | CC 0010.7150.00 | AVX          | 0603 5J *** AAW TR   |              |
| C258                  | CC 0,3PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR                                      | CC 0010.7114.00 | AVX          | 0603 5J *** AAW TR   |              |
| C259                  | CC 0,4PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR                                      | CC 0010.7120.00 | AVX          | 0603 5J *** AAW TR   |              |
| C260                  | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.8291.00 | MURATA       | GRM39C0G***B50ZPT    |              |

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| Comp. No. | Designation                                                                         | Stock No.       | Manufacturer | Designation          | contained in |
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| C261      | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT    |              |
| C262      | CC 2,2PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4467.00 | MURATA       | GRM39COG***B50ZPT    |              |
| C263      | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR<br>NICHT BESTUECKT<br>NOT FITTED | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT    |              |
| C264      | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR<br>NICHT BESTUECKT<br>NOT FITTED | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT    |              |
| C265      | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR<br>NICHT BESTUECKT<br>NOT FITTED | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT    |              |
| C266      | CC 47PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                    | CC 0009.4644.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C267      | CC 10P+-0,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4567.00 | MURATA       | GRM39COG***B50ZPT    |              |
| C268      | CC 10P+-0,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4567.00 | MURATA       | GRM39COG***B50ZPT    |              |
| C269      | CC 8,2PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4550.00 | MURATA       | GRM39COG***B50ZPT    |              |
| C270      | CC 10P+-0,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4567.00 | MURATA       | GRM39COG***B50ZPT    |              |
| ..272     | CE 100UF+-20%16V RUND SMD<br>SMD-ELECTROLYTIC CAPACIT.                              | CE 0009.6553.00 | SANYO        | 16CV100F(G)S         |              |
| C273      | CE 100UF+-20%16V RUND SMD<br>SMD-ELECTROLYTIC CAPACIT.                              | CE 0009.6553.00 | SANYO        | 16CV100F(G)S         |              |
| C274      | CC 22PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                    | CC 0009.4609.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C275      | CC 22PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                    | CC 0009.4609.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C276      | CC 22PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                    | CC 0009.4609.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C277      | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR<br>NICHT BESTUECKT<br>NOT FITTED  | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C278      | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                   | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C279      | CC 22PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                    | CC 0009.4609.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C280      | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                   | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C281      | CC 22PF+-2% 150V PELL<br>PORCELAIN CAPACITOR                                        | 0009.8604.00    | ATC          | ATC100A *** GW150XR  |              |
| C282      | CC 22PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                    | CC 0009.4609.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C283      | CC 22PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                    | CC 0009.4609.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C284      | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                   | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C285      | CC 22PF+-2% 150V PELL<br>PORCELAIN CAPACITOR                                        | 0009.8604.00    | ATC          | ATC100A *** GW150XR  |              |
| C286      | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                   | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C287      | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                   | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C288      | CC 27PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                    | CC 0010.9323.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C289      | CC 4,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4538.00 | MURATA       | GRM39COG***B50ZPT    |              |
| C290      | CC 22PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                    | CC 0009.4609.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C291      | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                   | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |              |
| ..293     | CC 68PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                    | CC 0009.9746.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C294      | CC 68PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                    | CC 0009.9746.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C295      | CC 1,0NF+-10%50V HDK 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4938.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C296      | CC 22PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                    | CC 0009.4609.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C297      | CC 22PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                    | CC 0009.4609.00 | MURATA       | GRM39COG***F50ZPT    |              |
| ..303     | CC 27PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                    | CC 0010.9323.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C304      | CC 27PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                    | CC 0010.9323.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C305      | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                   | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |              |
| ..307     |                                                                                     |                 |              |                      |              |

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| C308                | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C309                | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C310                | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C311                | CC 22PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR   | CC 0009.4609.00 | MURATA       | GRM39COG***F50ZPT    |              |
| ..319               | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C320                | CC 22PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR   | CC 0009.4609.00 | MURATA       | GRM39COG***F50ZPT    |              |
| ..330               | CC 22PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR   | CC 0009.4609.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C331                | CC 22PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR   | CC 0009.4609.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C332                | CC 22PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR   | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C333                | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4609.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C334                | CC 22PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR   | CC 0009.4609.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C335                | CC 22PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR   | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C336                | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4609.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C337                | CC 22PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR   | CC 0009.4567.00 | MURATA       | GRM39COG***B50ZPT    |              |
| C338                | CC 10P+-0,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.8227.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C339                | CC 15PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR   | CC 0009.8227.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C340                | CC 1,2PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4444.00 | MURATA       | GRM39COG***B50ZPT    |              |
| C341                | CC 1,8PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4473.00 | MURATA       | GRM39COG***B50ZPT    |              |
| C342                | CC 1,8PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4473.00 | MURATA       | GRM39COG***B50ZPT    |              |
| C343                | CC 1,5PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0008.2119.00 | AVX          | 0603 5J 2R7 BAWTR    |              |
| C344                | CC 2,7PF+-0,1PF50VCOG0603<br>SMD-CERAMIC CAPACITOR | CC 0008.2119.00 | AVX          | 0603 5J 2R7 BAWTR    |              |
| ..346               | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C347                | CC 1UF+-10% 50V X7R 2220<br>CERAMIC CAPACITOR      | CC 0520.6873.00 | AVX          | 2220 5C 105 KAT**A(F |              |
| C348                | CC 1UF+-10% 50V X7R 2220<br>CERAMIC CAPACITOR      | CC 0520.6873.00 | AVX          | 2220 5C 105 KAT**A(F |              |
| C349                | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| ..351               | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C352                | CC 0,5PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR     | CC 0010.7137.00 | AVX          | 0603 5J *** AAW TR   |              |
| C353                | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C354                | CC 0,5PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR     | CC 0010.7137.00 | AVX          | 0603 5J *** AAW TR   |              |
| C355                | CC 0,5PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR     | CC 0010.7137.00 | AVX          | 0603 5J *** AAW TR   |              |
| C356                | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C357                | CC 6,8PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.8262.00 | MURATA       | GRM39COG***B50ZPT    |              |
| C358                | CC 8,2PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4550.00 | MURATA       | GRM39COG***B50ZPT    |              |
| C359                | CC 6,8PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.8262.00 | MURATA       | GRM39COG***B50ZPT    |              |
| C360                | CC 5,6PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4521.00 | MURATA       | GRM39COG***B50ZPT    |              |
| C361                | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |              |                      |              |
| C362                | LAYOUT                                             |                 |              |                      |              |
| C363                | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |              |                      |              |
| C364                | LAYOUT                                             |                 |              |                      |              |
| C365                |                                                    |                 |              |                      |              |
| C366                |                                                    |                 |              |                      |              |

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| C367      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                      |              |
| C368      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                      |              |
| C369      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                      |              |
| C370      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                      |              |
| C371      | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C372      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C373      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                      |              |
| C374      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                      |              |
| C375      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                      |              |
| C376      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                      |              |
| C377      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                      |              |
| C378      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                      |              |
| C379      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                      |              |
| C380      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                      |              |
| C381      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                      |              |
| C382      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                      |              |
| C383      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                      |              |
| C384      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                      |              |
| C385      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                      |              |
| C386      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                      |              |
| C387      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                      |              |
| C388      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                      |              |
| C389      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                      |              |
| C390      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                      |              |
| C391      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                      |              |
| C392      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                      |              |
| C393      | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |              |                      |              |

|                                                                                                                |          |          |                                 |                                       |                         |                   |
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| C394                | LAYOUT<br>XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT  |                 |              |                      |              |
| C395                | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT            |                 |              |                      |              |
| C396                | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT            |                 |              |                      |              |
| C397                | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT            |                 |              |                      |              |
| C398                | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT            |                 |              |                      |              |
| C399                | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT            |                 |              |                      |              |
| C400                | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT            |                 |              |                      |              |
| C401                | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT            |                 |              |                      |              |
| C402                | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT            |                 |              |                      |              |
| C403                | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT            |                 |              |                      |              |
| C404                | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR   | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C405                | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C406                | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR   | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C407                | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT            |                 |              |                      |              |
| C408                | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT            |                 |              |                      |              |
| C409                | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT            |                 |              |                      |              |
| C410                | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR   | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C411                | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C412                | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR   | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C413                | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT            |                 |              |                      |              |
| C414                | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT            |                 |              |                      |              |
| C415                | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT            |                 |              |                      |              |
| C416                | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT            |                 |              |                      |              |
| C417                | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT            |                 |              |                      |              |
| C418                | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT            |                 |              |                      |              |
| C419                | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C420                | CC 2,2PFO, 1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4467.00 | MURATA       | GRM39C0G***B50ZPT    |              |
| C421                | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C422                | CC 4,7PFO, 1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4538.00 | MURATA       | GRM39C0G***B50ZPT    |              |

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| C423      | CC 0,2PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR         | CC 0010.7108.00 | AVX          | 0603 5J *** AAW TR   |              |
| C424      | CC 1,0PFO,1PF50V NPO 0603                              | CC 0009.8304.00 | MURATA       | GRM39C0G***B50ZPT    |              |
| ..426     | SMD-CERAMIC-CAPACITOR                                  |                 |              |                      |              |
| C427      | CC 0,3PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR         | CC 0010.7114.00 | AVX          | 0603 5J *** AAW TR   |              |
| C428      | CC 0,3PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR         | CC 0010.7114.00 | AVX          | 0603 5J *** AAW TR   |              |
|           | NICHT BESTUECKT<br>NOT FITTED                          |                 |              |                      |              |
| C429      | CC 1,0PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR     | CC 0009.8304.00 | MURATA       | GRM39C0G***B50ZPT    |              |
|           | NICHT BESTUECKT<br>NOT FITTED                          |                 |              |                      |              |
| C430      | CC 1,0PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR     | CC 0009.8304.00 | MURATA       | GRM39C0G***B50ZPT    |              |
|           | NICHT BESTUECKT<br>NOT FITTED                          |                 |              |                      |              |
| C431      | CC 0,3PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR         | CC 0010.7114.00 | AVX          | 0603 5J *** AAW TR   |              |
| C432      | CC 3,3PF 0,1PF 50V NPO 06                              | CC 0009.8285.00 | MURATA       | GRM39C0G***B50ZPT    |              |
|           | SMD-CERAMIC-CAPACITOR                                  |                 |              |                      |              |
| C433      | CC 3,3PF 0,1PF 50V NPO 06                              | CC 0009.8285.00 | MURATA       | GRM39C0G***B50ZPT    |              |
|           | SMD-CERAMIC-CAPACITOR                                  |                 |              |                      |              |
| C434      | CC 0,4PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR         | CC 0010.7120.00 | AVX          | 0603 5J *** AAW TR   |              |
| ..436     |                                                        |                 |              |                      |              |
| C437      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR     | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C438      | CC 1,0NF+-10%50V HDK 0603<br>SMD-CERAMIC-CAPACITOR     | CC 0009.4938.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C439      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR     | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| ..441     |                                                        |                 |              |                      |              |
| C442      | CC 4,7NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR     | CC 0009.4809.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C443      | CC 4,7NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR     | CC 0009.4809.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C444      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR     | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C445      | CC 4,7NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR     | CC 0009.4809.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| ..448     |                                                        |                 |              |                      |              |
| C449      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR     | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| ..453     |                                                        |                 |              |                      |              |
| C454      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT               |                 |              |                      |              |
| C455      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR     | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C456      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR     | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C457      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR     | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| ..459     |                                                        |                 |              |                      |              |
| C460      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT               |                 |              |                      |              |
| C461      | CC 1,0NF+-10%50V HDK 0603<br>SMD-CERAMIC-CAPACITOR     | CC 0009.4938.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C462      | CC 220PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR      | CC 0009.4721.00 | MURATA       | GRM39C0G***F50ZPT    |              |
| C463      | CC 220PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR      | CC 0009.4721.00 | MURATA       | GRM39C0G***F50ZPT    |              |
| C464      | CC 8,2PF+-0,1PF 150V PELL<br>PORCELAIN CAPACITOR       | 0009.8579.00    | TEKELEC      | 201CHA***BVL R       |              |
| C465      | CC 8,2PF+-0,1PF 150V PELL<br>PORCELAIN CAPACITOR       | 0009.8579.00    | TEKELEC      | 201CHA***BVL R       |              |
| C466      | CC 6,8PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR     | CC 0009.8262.00 | MURATA       | GRM39C0G***B50ZPT    |              |
| C467      | CC 5,6PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR     | CC 0009.4521.00 | MURATA       | GRM39C0G***B50ZPT    |              |
| ..469     |                                                        |                 |              |                      |              |
| C470      | CC 6,8PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR     | CC 0009.8262.00 | MURATA       | GRM39C0G***B50ZPT    |              |
| C471      | CE 100UF+-20%16V RUND SMD<br>SMD-ELECTROLYTIC CAPACIT. | CE 0009.6553.00 | SANYO        | 16CV100F(G)S         |              |
| C472      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR     | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C473      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR     | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C474      | CC 0,8PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR         | CC 0010.7166.00 | AVX          | 0603 5J *** AAW TR   |              |

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| C475                  | CC 0,8PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR                                      | CC 0010.7166.00 | AVX          | 0603 5J *** AAW TR   |              |
| C476                  | CC 1,2PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4444.00 | MURATA       | GRM39COG***B50ZPT    |              |
| ..483                 |                                                                                     |                 |              |                      |              |
| C484                  | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                   | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C485                  | CC 1,0NF+-10%50V HDK 0603<br>SMD-CERAMIC-CAPACITOR<br>NICHT BESTUECKT<br>NOT FITTED | CC 0009.4938.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C486                  | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                   | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C487                  | CC 1,0NF+-10%50V HDK 0603<br>SMD-CERAMIC-CAPACITOR<br>NICHT BESTUECKT<br>NOT FITTED | CC 0009.4938.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C488                  | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                   | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C489                  | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                   | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C490                  | CC 1,0NF+-10%50V HDK 0603<br>SMD-CERAMIC-CAPACITOR<br>NICHT BESTUECKT<br>NOT FITTED | CC 0009.4938.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C491                  | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                   | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C492                  | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                   | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C493                  | CC 1,0NF+-10%50V HDK 0603<br>SMD-CERAMIC-CAPACITOR<br>NICHT BESTUECKT<br>NOT FITTED | CC 0009.4938.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C494                  | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                   | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |              |
| ..497                 |                                                                                     |                 |              |                      |              |
| C498                  | CC 1,0NF+-10%50V HDK 0603<br>SMD-CERAMIC-CAPACITOR<br>NICHT BESTUECKT<br>NOT FITTED | CC 0009.4938.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C499                  | CC 1,0NF+-10%50V HDK 0603<br>SMD-CERAMIC-CAPACITOR<br>NICHT BESTUECKT<br>NOT FITTED | CC 0009.4938.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C500                  | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                   | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |              |
| ..507                 |                                                                                     |                 |              |                      |              |
| C508                  | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR                                  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C509                  | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR                                  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C510                  | CC 1UF+-10% 50V X7R 2220<br>CERAMIC CAPACITOR                                       | CC 0520.6873.00 | AVX          | 2220 5C 105 KAT**A(F |              |
| ..512                 |                                                                                     |                 |              |                      |              |
| C513                  | CE 22UF+-20%35V RUND SMD<br>SMD ELECTROLYTIC CAPACIT.                               | CE 0009.6253.00 | PANASONIC    | EEV HB 1V 220P       |              |
| C514                  | CE 33UF 20% 25V AL SMD<br>SMD ELECTROLYTIC CAPACIT.                                 | 0009.5592.00    | PANASONIC    | EEV HB 1E 330P       |              |
| C515                  | CE 33UF 20% 25V AL SMD<br>SMD ELECTROLYTIC CAPACIT.                                 | 0009.5592.00    | PANASONIC    | EEV HB 1E 330P       |              |
| C516                  | CC 1,0NF+-10%50V HDK 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4938.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C517                  | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                   | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C518                  | CC 2,2PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4467.00 | MURATA       | GRM39COG***B50ZPT    |              |
| ..520                 |                                                                                     |                 |              |                      |              |
| C521                  | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                   | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |              |
| ..528                 |                                                                                     |                 |              |                      |              |
| C529                  | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR<br>NICHT BESTUECKT<br>NOT FITTED  | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C530                  | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                   | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |              |
| ..547                 |                                                                                     |                 |              |                      |              |
| C548                  | CC 22PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                    | CC 0009.4609.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C549                  | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                   | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |              |
| ..551                 |                                                                                     |                 |              |                      |              |
| C552                  | CC 22PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                    | CC 0009.4609.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C553                  | CC 22PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                    | CC 0009.4609.00 | MURATA       | GRM39COG***F50ZPT    |              |

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| C554      | CC 10P+-0,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR                             | CC 0009.4567.00 | MURATA       | GRM39COG***B50ZPT    |              |
| C555      | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                              | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C556      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT                                       |                 |              |                      |              |
| C557      | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                              | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C558      | CC 47PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                               | CC 0009.4644.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C559      | CC 68PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                               | CC 0009.9746.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C560      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT                                       |                 |              |                      |              |
| C561      | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                              | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C564      | CC 6,8PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR                             | CC 0009.8262.00 | MURATA       | GRM39COG***B50ZPT    |              |
| C565      | CC 10P+-0,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR                             | CC 0009.4567.00 | MURATA       | GRM39COG***B50ZPT    |              |
| C566      | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                              | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C567      | CC 6,8PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR                             | CC 0009.8262.00 | MURATA       | GRM39COG***B50ZPT    |              |
| C568      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT                                       |                 |              |                      |              |
| C569      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR                             | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C573      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT                                       |                 |              |                      |              |
| C574      | CC 1UF+-10% 50V X7R 2220<br>CERAMIC CAPACITOR                                  | CC 0520.6873.00 | AVX          | 2220 5C 105 KAT**A(F |              |
| C575      | CC 1UF+-10% 50V X7R 2220<br>CERAMIC CAPACITOR<br>NICHT BESTUECKT<br>NOT FITTED | CC 0520.6873.00 | AVX          | 2220 5C 105 KAT**A(F |              |
| C576      | CC 1UF+-10% 50V X7R 2220<br>CERAMIC CAPACITOR<br>NICHT BESTUECKT<br>NOT FITTED | CC 0520.6873.00 | AVX          | 2220 5C 105 KAT**A(F |              |
| C577      | CC 1UF+-10% 50V X7R 2220<br>CERAMIC CAPACITOR<br>NICHT BESTUECKT<br>NOT FITTED | CC 0520.6873.00 | AVX          | 2220 5C 105 KAT**A(F |              |
| C578      | CC 1UF+-10% 50V X7R 2220<br>CERAMIC CAPACITOR<br>NICHT BESTUECKT<br>NOT FITTED | CC 0520.6873.00 | AVX          | 2220 5C 105 KAT**A(F |              |
| C579      | CC 1UF+-10% 50V X7R 2220<br>CERAMIC CAPACITOR<br>NICHT BESTUECKT<br>NOT FITTED | CC 0520.6873.00 | AVX          | 2220 5C 105 KAT**A(F |              |
| C580      | CC 1,0NF+-10%50V HDK 0603<br>SMD-CERAMIC-CAPACITOR                             | CC 0009.4938.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C581      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT                                       |                 |              |                      |              |
| C582      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT                                       |                 |              |                      |              |
| C583      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT                                       |                 |              |                      |              |
| C584      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT                                       |                 |              |                      |              |
| C585      | CC 4,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR                             | CC 0009.4538.00 | MURATA       | GRM39COG***B50ZPT    |              |
| C586      | CC 4,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR                             | CC 0009.4538.00 | MURATA       | GRM39COG***B50ZPT    |              |
| C587      | CC 6,8PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR                             | CC 0009.8262.00 | MURATA       | GRM39COG***B50ZPT    |              |
| C588      | XX ENTHALTEN IN<br>INCLUDED IN                                                 |                 |              |                      |              |

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| C589      | LAYOUT<br>CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                         | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C590      | CC 12PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                    | CC 0009.8256.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C591      | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                   | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C592      | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                   | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C593      | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR<br>NICHT BESTUECKT<br>NOT FITTED  | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C594      | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                   | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C595      | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                   | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C596      | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                   | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C597      | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR<br>NICHT BESTUECKT<br>NOT FITTED  | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C598      | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                   | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |              |
| ..601     | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR<br>NICHT BESTUECKT<br>NOT FITTED  | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C602      | CC 4,7NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4809.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C603      | CC 470PF+-10% 50V HDK 0603<br>SMD-CERAMIC-CAPACITOR                                 | CC 0009.4896.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C604      | CC 4,7NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4809.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C605      | CC 4,7NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4809.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C606      | CC 4,7NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4809.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C607      | CC 470PF+-10% 50V HDK 0603<br>SMD-CERAMIC-CAPACITOR                                 | CC 0009.4896.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C608      | CC 4,7NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4809.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C609      | CC 4,7NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4809.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C610      | CC 470PF+-10% 50V HDK 0603<br>SMD-CERAMIC-CAPACITOR                                 | CC 0009.4896.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C611      | CC 4,7NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4809.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C612      | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT    |              |
| C613      | CC 10P+-0,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4567.00 | MURATA       | GRM39COG***B50ZPT    |              |
| C614      | CC 22PF+-2% 150V PELL<br>PORCELAIN CAPACITOR                                        | 0009.8604.00    | ATC          | ATC100A *** GW150XR  |              |
| C615      | CC 1,8PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4473.00 | MURATA       | GRM39COG***B50ZPT    |              |
| C616      | CC 2,7PF+-0,1PF50VCOG0603<br>SMD-CERAMIC CAPACITOR                                  | CC 0008.2119.00 | AVX          | 0603 5J 2R7 BAWTR    |              |
| C617      | CC 6,8PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.8262.00 | MURATA       | GRM39COG***B50ZPT    |              |
| C618      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT                                            |                 |              |                      |              |
| C619      | CC 1,0PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.8304.00 | MURATA       | GRM39COG***B50ZPT    |              |
| C620      | CC 1,0PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR<br>NICHT BESTUECKT<br>NOT FITTED | CC 0009.8304.00 | MURATA       | GRM39COG***B50ZPT    |              |
| C621      | CC 0,4PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR                                      | CC 0010.7120.00 | AVX          | 0603 5J *** AAW TR   |              |
| C622      | CC 8,2PF+-0,1PF 150V PELL<br>PORCELAIN CAPACITOR                                    | 0009.8579.00    | TEKELEC      | 201CHA***BVL R       |              |
| C623      | CC 4,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4538.00 | MURATA       | GRM39COG***B50ZPT    |              |
| C624      | CC 0,8PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR                                      | CC 0010.7166.00 | AVX          | 0603 5J *** AAW TR   |              |
| C625      | CC 1,2PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4444.00 | MURATA       | GRM39COG***B50ZPT    |              |

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| C626<br>..632<br>C633 | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR<br>CC 2,2PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4680.00 | MURATA          | GRM39COG***F50ZPT    |              |
| C634<br>..637<br>C638 | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR<br>CC 10P+-0,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR                                  | CC 0009.4467.00 | MURATA          | GRM39COG***B50ZPT    |              |
| C639<br>..642<br>C643 | CC 4,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR<br>CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR<br>NICHT BESTUECKT<br>NOT FITTED | CC 0009.4680.00 | MURATA          | GRM39COG***F50ZPT    |              |
| C644                  | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR<br>NICHT BESTUECKT<br>NOT FITTED                                                       | CC 0009.4538.00 | MURATA          | GRM39COG***B50ZPT    |              |
| C645                  | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR<br>NICHT BESTUECKT<br>NOT FITTED                                                       | CC 0009.4680.00 | MURATA          | GRM39COG***F50ZPT    |              |
| C646                  | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR<br>NICHT BESTUECKT<br>NOT FITTED                                                       | CC 0009.4680.00 | MURATA          | GRM39COG***F50ZPT    |              |
| C647                  | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR<br>NICHT BESTUECKT<br>NOT FITTED                                                       | CC 0009.4680.00 | MURATA          | GRM39COG***F50ZPT    |              |
| C648                  | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR<br>NICHT BESTUECKT<br>NOT FITTED                                                       | CC 0009.4680.00 | MURATA          | GRM39COG***F50ZPT    |              |
| C649                  | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                                                                        | CC 0009.4680.00 | MURATA          | GRM39COG***F50ZPT    |              |
| C650                  | CC 4,7NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR                                                                                       | CC 0009.4809.00 | MURATA          | GRM39X7R***K5C500PT* |              |
| C651<br>..660<br>C661 | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR<br>CC 10P+-0,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR<br>NICHT BESTUECKT/NOT FITTED    | CC 0009.4680.00 | MURATA          | GRM39COG***F50ZPT    |              |
| C670                  | CC 2,2PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR                                                                                       | CC 0009.4567.00 | MURATA          | GRM39COG***B50ZPT    |              |
| C671                  | CE 10UF +-10% 25V 7343<br>TANTALUM SMD-CAPACITOR                                                                                         | CC 0009.4467.00 | MURATA          | GRM39COG***B50ZPT    |              |
|                       |                                                                                                                                          | CE 0007.7246.00 | SPRAGUE         | 293D 106 X9 025 D2W  |              |
| D1                    | BL PC74HCT125T 4XBUFF. 3S<br>QUAD LINE DRIVER                                                                                            | BL 0007.5395.00 | PHILIPS_SE (PC) | 74HCT125(D/T)        |              |
| D2                    | BL PC74HCT125T 4XBUFF. 3S<br>QUAD LINE DRIVER                                                                                            | BL 0007.5395.00 | PHILIPS_SE (PC) | 74HCT125(D/T)        |              |
| D3                    | BS DG419DY 1XUM ANALOGSCH<br>ANALOG SWITCH                                                                                               | 0746.0322.00    | SILICONIX       | DG419DY              |              |
| D4<br>..12<br>D13     | BL PC74HC4094T 8ST.BUSREG<br>8-STAGE SHIFT&STORE REG.<br>BL PC74HC4051T 8CH.AN.MUX<br>8CHANNEL ANAL.MULTIPLEXER                          | 0804.0977.00    | PHILIPS_SE (PC) | 74HC4094(D/T)        |              |
| D14                   | BL PC74HC4051T 8CH.AN.MUX<br>8CHANNEL ANAL.MULTIPLEXER                                                                                   | 0007.3592.00    | PHILIPS_SE (PC) | 74HC4051(D/T)        |              |
| D15                   | BL PC74HCT132T 4X2IN SCHM<br>NAND SCHMITT TRIGGER                                                                                        | 0007.3592.00    | PHILIPS_SE (PC) | 74HC4051(D/T)        |              |
| D17                   | BC X24164S8 2KX8 EEPROM<br>IC MEMORY                                                                                                     | BL 0007.6340.00 | PHILIPS (PC)    | 74HCT132(D/T)        |              |
| D18                   | BG TH3032.1C SERBUSD ASIC<br>IC GATE ARRAY                                                                                               | 2013.8937.00    | ATMEL           | AT24C164-10SC-2.7    |              |
|                       |                                                                                                                                          | BG 0008.6143.00 | THESYS          | TH3032.1C            |              |
| L1                    | LD 6,8NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR                                                                                       | LD 0009.6676.00 | TOKO            | LL1608-FH...K(J)     |              |
| L2                    | LD 4,7NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR                                                                                       | LD 0009.6653.00 | TOKO            | LL1608-FH...K(J)     |              |
| L3<br>..6<br>L7       | LD SP-DROSSEL 47UH 1,5A<br>CHOKE<br>LD 4,7NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR                                                   | 1081.0331.00    | SUMIDA          | CDR125-470           |              |
| L8<br>..18            | LD 47NH +-10% 0,3A 0805<br>SMD-MULTILAYER INDUCTOR                                                                                       | LD 0009.6653.00 | TOKO            | LL1608-FH...K(J)     |              |
|                       |                                                                                                                                          | LD 0009.6824.00 | TOKO            | LL2012-FH47NK(J)     |              |

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| L19       | LD 6,8NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR | LD 0009.6676.00 | TOKO         | LL1608-FH...K(J)     |              |
| L20       | LD 1UH 10% 0,38A 1210                              | LD 6006.0130.00 | SIEMENS      | B82422-A1102-J(K)100 |              |
| ..23      | RF CHOKE                                           |                 |              |                      |              |
| L24       | LD 22NH 10% 0,60A 1210                             | 1002.4897.00    | SIEMENS      | B82422-A3220-J(K)100 |              |
|           | RF CHOKE                                           |                 |              |                      |              |
| L25       | LD 22NH 10% 0,60A 1210                             | 1002.4897.00    | SIEMENS      | B82422-A3220-J(K)100 |              |
|           | RF CHOKE                                           |                 |              |                      |              |
| L26       | LD 1UH 10% 0,38A 1210                              | LD 6006.0130.00 | SIEMENS      | B82422-A1102-J(K)100 |              |
|           | RF CHOKE                                           |                 |              |                      |              |
| L27       | LD 1UH 10% 0,38A 1210                              | LD 6006.0130.00 | SIEMENS      | B82422-A1102-J(K)100 |              |
|           | RF CHOKE                                           |                 |              |                      |              |
| L28       | LD 22NH 10% 0,60A 1210                             | 1002.4897.00    | SIEMENS      | B82422-A3220-J(K)100 |              |
| ..34      | RF CHOKE                                           |                 |              |                      |              |
| L35       | LD 22NH 10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR   | LD 0009.6730.00 | TOKO         | LL1608-FH...K(J)     |              |
| L36       | LD 15NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR  | LD 0009.6718.00 | TOKO         | LL1608-FH...K(J)     |              |
| L37       | LD 47NH +-10% 0,3A 0805<br>SMD-MULTILAYER INDUCTOR | LD 0009.6824.00 | TOKO         | LL2012-FH47NK(J)     |              |
| L38       | LD 15NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR  | LD 0009.6718.00 | TOKO         | LL1608-FH...K(J)     |              |
| L39       | LD 15NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR  | LD 0009.6718.00 | TOKO         | LL1608-FH...K(J)     |              |
| L40       | LD 47NH +-10% 0,3A 0805<br>SMD-MULTILAYER INDUCTOR | LD 0009.6824.00 | TOKO         | LL2012-FH47NK(J)     |              |
| L41       | LD 27NH 10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR   | LD 0009.6747.00 | TOKO         | LL1608-FH...K(J)     |              |
| L42       | LD 47NH +-10% 0,3A 0805<br>SMD-MULTILAYER INDUCTOR | LD 0009.6824.00 | TOKO         | LL2012-FH47NK(J)     |              |
| L43       | LD 15NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR  | LD 0009.6718.00 | TOKO         | LL1608-FH...K(J)     |              |
| L44       | LD 27NH 10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR   | LD 0009.6747.00 | TOKO         | LL1608-FH...K(J)     |              |
| L45       | LD 15NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR  | LD 0009.6718.00 | TOKO         | LL1608-FH...K(J)     |              |
| L46       | LD 39NH +-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR | LD 0009.6760.00 | TOKO         | LL1608-FH...K(J)     |              |
| L47       | LD 27NH 10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR   | LD 0009.6747.00 | TOKO         | LL1608-FH...K(J)     |              |
| L48       | LD 6,8NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR | LD 0009.6676.00 | TOKO         | LL1608-FH...K(J)     |              |
| L49       | LD 39NH +-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR | LD 0009.6760.00 | TOKO         | LL1608-FH...K(J)     |              |
| L50       | LD 39NH +-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR | LD 0009.6760.00 | TOKO         | LL1608-FH...K(J)     |              |
| L51       | LD 22NH 10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR   | LD 0009.6730.00 | TOKO         | LL1608-FH...K(J)     |              |
| L52       | LD 39NH +-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR | LD 0009.6760.00 | TOKO         | LL1608-FH...K(J)     |              |
| ..65      | LD 22NH 10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR   | LD 0009.6730.00 | TOKO         | LL1608-FH...K(J)     |              |
| L67       | LD 27NH 10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR   | LD 0009.6747.00 | TOKO         | LL1608-FH...K(J)     |              |
| L68       | LD 39NH +-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR | LD 0009.6760.00 | TOKO         | LL1608-FH...K(J)     |              |
| L69       | LD 33NH +-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR | LD 0009.6753.00 | TOKO         | LL1608-FH...K(J)     |              |
| L70       | LD 27NH 10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR   | LD 0009.6747.00 | TOKO         | LL1608-FH...K(J)     |              |
| L71       | LD 27NH 10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR   | LD 0009.6747.00 | TOKO         | LL1608-FH...K(J)     |              |
| L72       | LD 33NH +-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR | LD 0009.6753.00 | TOKO         | LL1608-FH...K(J)     |              |
| L73       | LD 22NH 10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR   | LD 0009.6730.00 | TOKO         | LL1608-FH...K(J)     |              |
| L74       | LD 22NH 10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR   | LD 0009.6730.00 | TOKO         | LL1608-FH...K(J)     |              |
| L75       | LD 18NH 10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR   | LD 0009.6724.00 | TOKO         | LL1608-FH...K(J)     |              |
| L76       | LD 22NH 10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR   | LD 0009.6730.00 | TOKO         | LL1608-FH...K(J)     |              |
| L77       | LD 22NH 10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR   |                 |              |                      |              |
| ..80      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                      |              |
| L81       |                                                    |                 |              |                      |              |
| L83       | LD 22NH 10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR   | LD 0009.6730.00 | TOKO         | LL1608-FH...K(J)     |              |

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| Comp. No.                                                                                                      | Designation                                        | Stock No.       | Manufacturer                    | Designation                           | contained in             |
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| L84                                                                                                            | LD 22NH 10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR   | LD 0009.6730.00 | TOKO                            | LL1608-FH...K(J)                      |                          |
| L85                                                                                                            | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |                                 |                                       |                          |
| L86                                                                                                            | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |                                 |                                       |                          |
| L87                                                                                                            | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |                                 |                                       |                          |
| L88                                                                                                            | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |                                 |                                       |                          |
| L89                                                                                                            | LD 33NH +-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR | LD 0009.6753.00 | TOKO                            | LL1608-FH...K(J)                      |                          |
| L90                                                                                                            | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |                                 |                                       |                          |
| L91                                                                                                            | LD 33NH +-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR | LD 0009.6753.00 | TOKO                            | LL1608-FH...K(J)                      |                          |
| L92                                                                                                            | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |                                 |                                       |                          |
| L93                                                                                                            | LD 33NH +-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR | LD 0009.6753.00 | TOKO                            | LL1608-FH...K(J)                      |                          |
| L94                                                                                                            | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |                                 |                                       |                          |
| L95                                                                                                            | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |                                 |                                       |                          |
| L96                                                                                                            | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |                                 |                                       |                          |
| L97                                                                                                            | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |                                 |                                       |                          |
| L98                                                                                                            | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |                                 |                                       |                          |
| L99                                                                                                            | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |                                 |                                       |                          |
| L100                                                                                                           | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |                                 |                                       |                          |
| L101                                                                                                           | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |                                 |                                       |                          |
| L102                                                                                                           | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |                                 |                                       |                          |
| L103                                                                                                           | LD 33NH +-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR | LD 0009.6753.00 | TOKO                            | LL1608-FH...K(J)                      |                          |
| L104                                                                                                           | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |                                 |                                       |                          |
| L105                                                                                                           | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |                                 |                                       |                          |
| L106                                                                                                           | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |                                 |                                       |                          |
| L107                                                                                                           | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |                                 |                                       |                          |
| L108                                                                                                           | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |                                 |                                       |                          |
| L109                                                                                                           | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |                                 |                                       |                          |
| L110                                                                                                           | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |                                 |                                       |                          |
| L111                                                                                                           | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |                                 |                                       |                          |
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| L112      | LAYOUT<br>XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT |                 |              |                  |              |
| L113      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                  |              |
| L115      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                  |              |
| L116      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                  |              |
| L117      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                  |              |
| L118      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                  |              |
| L119      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                  |              |
| L120      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                  |              |
| L121      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                  |              |
| L122      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                  |              |
| L123      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                  |              |
| L124      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                  |              |
| L125      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                  |              |
| L126      | LD 47NH +-10% 0,3A 0805<br>SMD-MULTILAYER INDUCTOR | LD 0009.6824.00 | TOKO         | LL2012-FH47NK(J) |              |
| L127      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                  |              |
| L128      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                  |              |
| L129      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                  |              |
| L130      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                  |              |
| L131      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                  |              |
| L132      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                  |              |
| L133      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                  |              |
| L134      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                  |              |
| L135      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                  |              |
| L136      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                  |              |
| L137      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                  |              |
| L138      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                  |              |

|                                                                                                                   |          |          |                                 |                                       |                         |                   |
|-------------------------------------------------------------------------------------------------------------------|----------|----------|---------------------------------|---------------------------------------|-------------------------|-------------------|
| 1GPK                                                                                                              | 887 3PLU | Ät       | Datum<br>Date                   | Schaltteilliste für<br>Parts list for | Sachnummer<br>Stock No. | Blatt-Nr.<br>Page |
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|----------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-----------------|---------------------------------|---------------------------------------|--------------------------|
| L139                                                                                                           | LAYOUT<br>XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT |                 |                                 |                                       |                          |
| L140                                                                                                           | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |                                 |                                       |                          |
| L141                                                                                                           | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |                                 |                                       |                          |
| L142                                                                                                           | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |                                 |                                       |                          |
| L143                                                                                                           | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |                                 |                                       |                          |
| L144                                                                                                           | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |                                 |                                       |                          |
| L145                                                                                                           | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |                                 |                                       |                          |
| L146                                                                                                           | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |                                 |                                       |                          |
| L147                                                                                                           | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |                                 |                                       |                          |
| L148                                                                                                           | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |                                 |                                       |                          |
| L149                                                                                                           | LD 8,2NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR | LD 0009.6682.00 | TOKO                            | LL1608-FH...K(J)                      |                          |
| L150                                                                                                           | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |                                 |                                       |                          |
| L151                                                                                                           | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |                                 |                                       |                          |
| L152                                                                                                           | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |                                 |                                       |                          |
| L153                                                                                                           | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |                                 |                                       |                          |
| L154                                                                                                           | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |                                 |                                       |                          |
| L155                                                                                                           | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |                                 |                                       |                          |
| L156                                                                                                           | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |                                 |                                       |                          |
| L157                                                                                                           | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |                                 |                                       |                          |
| L158                                                                                                           | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |                                 |                                       |                          |
| L159                                                                                                           | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |                                 |                                       |                          |
| L160                                                                                                           | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |                                 |                                       |                          |
| L161                                                                                                           | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |                                 |                                       |                          |
| L162                                                                                                           | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |                                 |                                       |                          |
| L163                                                                                                           | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |                                 |                                       |                          |
| L164                                                                                                           | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |                                 |                                       |                          |
| 1GPK                                                                                                           | 887 3PLU                                           | Äl              | Datum<br>Date                   | Schaltteilliste für<br>Parts list for | Sachnummer<br>Stock No.  |
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|-----------|----------------------------------------------------|-----------------|--------------|------------------|--------------|
| L165      | LAYOUT<br>XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT |                 |              |                  |              |
| L166      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                  |              |
| L167      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                  |              |
| L168      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                  |              |
| L169      | LD 22NH 10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR   | LD 0009.6730.00 | TOKO         | LL1608-FH...K(J) |              |
| L170      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                  |              |
| L171      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                  |              |
| L172      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                  |              |
| L173      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                  |              |
| L174      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                  |              |
| L175      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                  |              |
| L176      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                  |              |
| L177      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                  |              |
| L178      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                  |              |
| L179      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                  |              |
| L180      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                  |              |
| L181      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                  |              |
| L182      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                  |              |
| L183      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                  |              |
| L184      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                  |              |
| L185      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                  |              |
| L186      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                  |              |
| L187      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                  |              |
| L188      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                  |              |
| L189      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                  |              |
| L190      | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |              |                  |              |

|                                                                                     |     |          |                                 |                 |                                       |                         |                   |
|-------------------------------------------------------------------------------------|-----|----------|---------------------------------|-----------------|---------------------------------------|-------------------------|-------------------|
| 1GPK                                                                                | 887 | 3PLU     | Äl                              | Datum<br>Date   | Schaltteilliste für<br>Parts list for | Sachnummer<br>Stock No. | Blatt-Nr.<br>Page |
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|-----------|----------------------------------------------------|-----------------|--------------|------------------|--------------|
| L191      | LAYOUT<br>XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT |                 |              |                  |              |
| L192      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                  |              |
| L193      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                  |              |
| L194      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                  |              |
| L195      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                  |              |
| L196      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                  |              |
| L197      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                  |              |
| L198      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                  |              |
| L199      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                  |              |
| L200      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                  |              |
| L201      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                  |              |
| L202      | LD 39NH +-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR | LD 0009.6760.00 | TOKO         | LL1608-FH...K(J) |              |
| L203      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                  |              |
| L204      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                  |              |
| L205      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                  |              |
| L206      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                  |              |
| L207      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                  |              |
| L208      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                  |              |
| L209      | LD 22NH 10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR   | LD 0009.6730.00 | TOKO         | LL1608-FH...K(J) |              |
| L210      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                  |              |
| L211      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                  |              |
| L212      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                  |              |
| L213      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                  |              |
| L214      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                  |              |
| L215      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                  |              |
| L216      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                  |              |

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| 1GPK                                                                                                              | 887 | 3PLU | ÄI | Datum<br>Date | Schalttailliste für<br>Parts list for | Sachnummer<br>Stock No. | Blatt-Nr.<br>Page |
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| Comp. No. | Designation                                          | Stock No.       | Manufacturer | Designation      | contained in |
|-----------|------------------------------------------------------|-----------------|--------------|------------------|--------------|
| L243      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT             |                 |              |                  |              |
| L244      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT             |                 |              |                  |              |
| L245      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT             |                 |              |                  |              |
| L246      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT             |                 |              |                  |              |
| L247      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT             |                 |              |                  |              |
| L248      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT             |                 |              |                  |              |
| L249      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT             |                 |              |                  |              |
| L250      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT             |                 |              |                  |              |
| L252      | LD 33NH +-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR   | LD 0009.6753.00 | TOKO         | LL1608-FH...K(J) |              |
| L253      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT             |                 |              |                  |              |
| L254      | LD 2,2NH+-0,3NH 0,3A 0603<br>SMD-MULTILAYER INDUCTOR | LD 0009.6618.00 | TOKO         | LL1608-FH2N2S    |              |
| L255      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT             |                 |              |                  |              |
| L256      | LD 4,7NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR   | LD 0009.6653.00 | TOKO         | LL1608-FH...K(J) |              |
| L257      | LD 10NH 10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR     | LD 0009.6699.00 | TOKO         | LL1608-FH...K(J) |              |
| L258      | LD 39NH +-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR   | LD 0009.6760.00 | TOKO         | LL1608-FH...K(J) |              |
| L259      | LD 39NH +-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR   | LD 0009.6760.00 | TOKO         | LL1608-FH...K(J) |              |
| L260      | LD 22NH 10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR     | LD 0009.6730.00 | TOKO         | LL1608-FH...K(J) |              |
| L261      | LD 22NH 10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR     | LD 0009.6730.00 | TOKO         | LL1608-FH...K(J) |              |
| L262      | LD 12NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR    | LD 0009.6701.00 | TOKO         | LL1608-FH...K(J) |              |
| L263      | LD 27NH 10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR     | LD 0009.6747.00 | TOKO         | LL1608-FH...K(J) |              |
| L266      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT             |                 |              |                  |              |
| L267      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT             |                 |              |                  |              |
| L269      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT             |                 |              |                  |              |
| L270      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT             |                 |              |                  |              |
| L271      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT             |                 |              |                  |              |
| L273      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT             |                 |              |                  |              |
| L274      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT             |                 |              |                  |              |
| L275      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT             |                 |              |                  |              |
| L276      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT             |                 |              |                  |              |

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|-----------|----------------------------------------------------|-----------------|--------------|----------------------|--------------|
| L277      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                      |              |
| L278      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                      |              |
| L279      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                      |              |
| L280      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                      |              |
| L283      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                      |              |
| L284      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                      |              |
| L285      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                      |              |
| L286      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                      |              |
| L287      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                      |              |
| L288      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                      |              |
| L289      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                      |              |
| L290      | XX ENTHALTEN IN<br>INCLUDED IN<br>LAYOUT           |                 |              |                      |              |
| L293      | LD 33NH +-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR | LD 0009.6753.00 | TOKO         | LL1608-FH...K(J)     |              |
| L294      | LD 33NH +-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR | LD 0009.6753.00 | TOKO         | LL1608-FH...K(J)     |              |
| L295      | LD 33NH +-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR | LD 0009.6753.00 | TOKO         | LL1608-FH...K(J)     |              |
| L298      | LD 3,9NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR | LD 0009.6647.00 | TOKO         | LL1608-FH...K(J)     |              |
| L299      | LD 8,2NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR | LD 0009.6682.00 | TOKO         | LL1608-FH...K(J)     |              |
| L300      | LD 10UH 10% 0,18A 1210<br>RF CHOKE                 | LD 0007.9255.00 | SIEMENS      | B82422-A1103-J(K)100 |              |
| L310      | LD 39NH +-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR | LD 0009.6760.00 | TOKO         | LL1608-FH...K(J)     |              |
| L311      | LD 10UH 10% 0,18A 1210<br>RF CHOKE                 | LD 0007.9255.00 | SIEMENS      | B82422-A1103-J(K)100 |              |
| L312      | LD 39NH +-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR | LD 0009.6760.00 | TOKO         | LL1608-FH...K(J)     |              |
| L313      | LD 39NH +-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR | LD 0009.6760.00 | TOKO         | LL1608-FH...K(J)     |              |
| L314      | LD 22NH 10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR   | LD 0009.6730.00 | TOKO         | LL1608-FH...K(J)     |              |
| L315      | LD 22NH 10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR   | LD 0009.6730.00 | TOKO         | LL1608-FH...K(J)     |              |
| L316      | LD 27NH 10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR   | LD 0009.6747.00 | TOKO         | LL1608-FH...K(J)     |              |
| L319      | LD 39NH +-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR | LD 0009.6760.00 | TOKO         | LL1608-FH...K(J)     |              |
| N1        | BO TLO74ACD 4XFET OPAMP<br>OPERATIONAL AMPLIFIER   | 0007.7823.00    | TEXAS        | TLO74A(CD)           |              |
| N2        | BO REF01CS 10V 20mA VREF<br>VOLTAGE REFERENCE      | 1002.5129.00    | PMI          | REF01C(S)            |              |
| N3        | BO TLO72ACD 2XFET OPAMP<br>OPERATIONAL AMPLIFIER   | 0803.1057.00    | TEXAS        | TL 072 ACDR          |              |
| N4        | BO NE5532D 2XLN OPAMP<br>2 OPERATIONAL AMPLIFIER   | 0007.7798.00    | SIGNETICS    | NE5532D              |              |
| N8        | BM SFD1001 VERDOPPLER<br>FREQUENCY DOUBLER IC      | 1039.1804.00    | WATKINS-JO   | SFD1001              |              |
| N9        | BO LM224D 4XLP OPAMP<br>OPERATIONAL AMPLIFIER      | 0007.7852.00    | SIGNETICS    | LM224D               |              |

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| N10<br>..17 | BM CGY50 GAAS MMIC                                     | 1027.0037.00    | SIEMENS      | CGY50 (Q68000-A8370) |              |
| N18         | BO OP275GS LN 2XFET OPAMP<br>LOW NOISE FET AUDIO OPAMP | 2043.0928.00    | ANALOG_DEV   | OP275GS              |              |
| N19         | BO OP275GS LN 2XFET OPAMP<br>LOW NOISE FET AUDIO OPAMP | 2043.0928.00    | ANALOG_DEV   | OP275GS              |              |
| N20<br>..22 | BM CGY50 GAAS MMIC                                     | 1027.0037.00    | SIEMENS      | CGY50 (Q68000-A8370) |              |
| N23         | BM SNA486 0,1-8G MMIC<br>MICROWAVE MONOLITIC AMPL      | 1085.1961.00    | STANFORD_M   | SNA-486              |              |
| P3<br>..16  | VL EINPRESSSTIFT 5,6<br>PIN                            | VL 0010.7250.00 | AMP          | 1-928776-5           |              |
| R1          | RG 33R +-1% TK100 0603<br>SMD RESISTOR EIA0603         | 0009.6918.00    | DRALORIC     | CR 0603              |              |
| R2          | RG 13R0 +-1% TK100 0603<br>SMD RESISTOR EIA0603        | 0009.9069.00    | DRALORIC     | CR 0603              |              |
| R3          | RG 12R1+-1%TK100 0603<br>SMD RESISTOR EIA0603          | 0010.9275.00    | PHILIPS_CO   | RC 22 H              |              |
| R4          | RG 10R +-1% TK100 0603<br>SMD RESISTOR EIA0603         | RG 0009.5328.00 | PHILIPS_CO   | RC 22 H              |              |
| R5          | RG 182 OHM+-1%TK100 0603<br>SMD RESISTOR EIA0603       | 0009.9130.00    | DRALORIC     | CR 0603              |              |
| R6          | RG 182 OHM+-1%TK100 0603<br>SMD RESISTOR EIA0603       | 0009.9130.00    | DRALORIC     | CR 0603              |              |
| R7          | RG 12R1+-1%TK100 0603<br>SMD RESISTOR EIA0603          | 0010.9275.00    | PHILIPS_CO   | RC 22 H              |              |
| R8          | RG 10R +-1% TK100 0603<br>SMD RESISTOR EIA0603         | RG 0009.5328.00 | PHILIPS_CO   | RC 22 H              |              |
| R9          | RG 270R +-1% TK100 0603<br>SMD RESISTOR EIA0603        | 0010.9581.00    | PHILIPS_CO   | RC 22 H              |              |
| R10         | RG 220R +-1% TK100 0603<br>SMD RESISTOR EIA0603        | 0009.6953.00    | DRALORIC     | CR 0603              |              |
| R11         | RG 182 OHM+-1%TK100 0603<br>SMD RESISTOR EIA0603       | 0009.9130.00    | DRALORIC     | CR 0603              |              |
| R12         | RG 270R +-1% TK100 0603<br>SMD RESISTOR EIA0603        | 0010.9581.00    | PHILIPS_CO   | RC 22 H              |              |
| R13         | RG 182 OHM+-1%TK100 0603<br>SMD RESISTOR EIA0603       | 0009.9130.00    | DRALORIC     | CR 0603              |              |
| R14         | RG 220R +-1% TK100 0603<br>SMD RESISTOR EIA0603        | 0009.6953.00    | DRALORIC     | CR 0603              |              |
| R15         | RG 220R +-1% TK100 0603<br>SMD RESISTOR EIA0603        | 0009.6953.00    | DRALORIC     | CR 0603              |              |
| R16         | RG 182 OHM+-1%TK100 0603<br>SMD RESISTOR EIA0603       | 0009.9130.00    | DRALORIC     | CR 0603              |              |
| R17         | RG 182 OHM+-1%TK100 0603<br>SMD RESISTOR EIA0603       | 0009.9130.00    | DRALORIC     | CR 0603              |              |
| R18         | RG 121 OHM+-1%TK100 0603<br>SMD RESISTOR EIA0603       | 0009.9498.00    | DRALORIC     | CR 0603              |              |
| R19<br>..22 | RG 182 OHM+-1%TK100 0603<br>SMD RESISTOR EIA0603       | 0009.9130.00    | DRALORIC     | CR 0603              |              |
| R23         | RG 243R +-1% TK100 0603<br>SMD RESISTOR EIA0603        | 0010.9800.00    | DRALORIC     | CR 0603              |              |
| R24         | RG 182 OHM+-1%TK100 0603<br>SMD RESISTOR EIA0603       | 0009.9130.00    | DRALORIC     | CR 0603              |              |
| R25         | RG 150R +-1% TK100 0603<br>SMD RESISTOR EIA0603        | 0009.6947.00    | PHILIPS_CO   | RC 22 H              |              |
| R26         | RG 243R +-1% TK100 0603<br>SMD RESISTOR EIA0603        | 0010.9800.00    | DRALORIC     | CR 0603              |              |
| R27         | RG 2K2 +-1% TK100 0603<br>SMD RESISTOR EIA0603         | 0009.7008.00    | PHILIPS_CO   | RC 22 H              |              |
| R28         | RG 2K2 +-1% TK100 0603<br>SMD RESISTOR EIA0603         | 0009.7008.00    | PHILIPS_CO   | RC 22 H              |              |
| R29         | RG 330R +-1% TK100 0603<br>SMD RESISTOR EIA0603        | 0009.6960.00    | DRALORIC     | CR 0603              |              |
| R30         | RG 330R +-1% TK100 0603<br>SMD RESISTOR EIA0603        | 0009.6960.00    | DRALORIC     | CR 0603              |              |
| R31         | RG 182 OHM+-1%TK100 0603<br>SMD RESISTOR EIA0603       | 0009.9130.00    | DRALORIC     | CR 0603              |              |
| R32         | RG 182 OHM+-1%TK100 0603<br>SMD RESISTOR EIA0603       | 0009.9130.00    | DRALORIC     | CR 0603              |              |
| R33         | RG 68R +-1% TK100 0603<br>SMD RESISTOR EIA0603         | 0009.6930.00    | DRALORIC     | CR 0603              |              |
| R34         | RG 68R +-1% TK100 0603<br>SMD RESISTOR EIA0603         | 0009.6930.00    | DRALORIC     | CR 0603              |              |
| R35         | RG 150R +-1% TK100 0603<br>SMD RESISTOR EIA0603        | 0009.6947.00    | PHILIPS_CO   | RC 22 H              |              |

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| <br><b>ROHDE &amp; SCHWARZ</b> | 24       | 07. 10. 99 | EE IQ-CONVERTER<br>IQ-CONVERTER | <b>1084.9300.01 SA</b>                | 25+                     |                   |

| Comp. No. | Designation                                  | Stock No. | Manufacturer    | Designation        | contained in |
|-----------|----------------------------------------------|-----------|-----------------|--------------------|--------------|
| R36       | RG 100R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5334.00 | PHILIPS_CO RC 22 H |              |
| R37       | RG 100R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5334.00 | PHILIPS_CO RC 22 H |              |
| R38       | RG 150R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0009.6947.00    | PHILIPS_CO RC 22 H |              |
| R39       | RG 182 OHM+-1%TK100<br>SMD RESISTOR EIA0603  | 0603      | 0009.9130.00    | DRALORIC CR 0603   |              |
| R40       | RG 100R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5334.00 | PHILIPS_CO RC 22 H |              |
| R41       | RG 100R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5334.00 | PHILIPS_CO RC 22 H |              |
| R42       | RG 182 OHM+-1%TK100<br>SMD RESISTOR EIA0603  | 0603      | 0009.9130.00    | DRALORIC CR 0603   |              |
| R43       | RG 100R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5334.00 | PHILIPS_CO RC 22 H |              |
| R44       | RG 220R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0009.6953.00    | DRALORIC CR 0603   |              |
| R45       | RG 220R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0009.6953.00    | DRALORIC CR 0603   |              |
| R46       | RG 100R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5334.00 | PHILIPS_CO RC 22 H |              |
| ..49      | R50                                          |           |                 |                    |              |
| R50       | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H |              |
| R51       | RG 100R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5334.00 | PHILIPS_CO RC 22 H |              |
| R52       | RG 100R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5334.00 | PHILIPS_CO RC 22 H |              |
| R53       | RG 100R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5334.00 | PHILIPS_CO RC 22 H |              |
| R54       | RG 68R +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.6930.00    | DRALORIC CR 0603   |              |
| R55       | RG 68R +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.6930.00    | DRALORIC CR 0603   |              |
| R56       | RG 100R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5334.00 | PHILIPS_CO RC 22 H |              |
| R57       | RG 182 OHM+-1%TK100<br>SMD RESISTOR EIA0603  | 0603      | 0009.9130.00    | DRALORIC CR 0603   |              |
| R58       | RG 82,5 OHM+-1%TK100<br>SMD RESISTOR EIA0603 | 0603      | 0009.9052.00    | DRALORIC CR 0603   |              |
| R59       | RG 121 OHM+-1%TK100<br>SMD RESISTOR EIA0603  | 0603      | 0009.9498.00    | DRALORIC CR 0603   |              |
| R60       | RG 100R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5334.00 | PHILIPS_CO RC 22 H |              |
| ..67      | R68                                          |           |                 |                    |              |
| R68       | RG 47R +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.6924.00    | PHILIPS_CO RC 22 H |              |
| R69       | RG 100R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5334.00 | PHILIPS_CO RC 22 H |              |
| R70       | RG 3K92 +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0010.8427.00    | PHILIPS_CO RC 22 H |              |
| R71       | RG 100R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5334.00 | PHILIPS_CO RC 22 H |              |
| R72       | RG 100R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5334.00 | PHILIPS_CO RC 22 H |              |
| R73       | RG 2,64KOH+-0,1%TK25<br>RESISTOR             | 1206      | 0010.1980.00    | PHILIPS_CO MPC 01  |              |
| ..77      | R78                                          |           |                 |                    |              |
| R78       | RG 5R62 +-1% TK250<br>SMD RESISTOR EIA0603   | 0603      | 0009.9100.00    | DRALORIC CR 0603   |              |
| R79       | RG 100R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5334.00 | PHILIPS_CO RC 22 H |              |
| R80       | RG 15R +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.6899.00    | DRALORIC CR 0603   |              |
| R81       | RG 100R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5334.00 | PHILIPS_CO RC 22 H |              |
| R82       | RG 100R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5334.00 | PHILIPS_CO RC 22 H |              |
| R83       | RG 100R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5334.00 | PHILIPS_CO RC 22 H |              |
| R84       | RG 470R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0009.6976.00    | DRALORIC CR 0603   |              |
| R85       | RG 470R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0009.6976.00    | DRALORIC CR 0603   |              |
| R86       | RG 12R1+-1%TK100<br>SMD RESISTOR EIA0603     | 0603      | 0010.9275.00    | PHILIPS_CO RC 22 H |              |
| R87       | RG 12R1+-1%TK100<br>SMD RESISTOR EIA0603     | 0603      | 0010.9275.00    | PHILIPS_CO RC 22 H |              |
| R88       | RG 10R +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5328.00 | PHILIPS_CO RC 22 H |              |

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| Comp. No. | Designation                                       | Stock No.       | Manufacturer | Designation | contained in |
|-----------|---------------------------------------------------|-----------------|--------------|-------------|--------------|
| R89       | RG 100R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | RG 0009.5334.00 | PHILIPS_CO   | RC 22 H     |              |
| R90       | RG 30,1 OHM+-1%TK100 0603<br>SMD RESISTOR EIA0603 | 0009.9081.00    | PHILIPS_CO   | RC 22 H     |              |
| R91       | RG 33K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.7066.00    | PHILIPS_CO   | RC 22 H     |              |
| R92       | RG 18R2 +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0010.8385.00    | DRALORIC     | CR 0603     |              |
| R93       | RG 20K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0010.9100.00    | PHILIPS_CO   | RC 22 H     |              |
| R95       | RG 12R1+-1%TK100 0603<br>SMD RESISTOR EIA0603     | 0010.9275.00    | PHILIPS_CO   | RC 22 H     |              |
| R96       | RG 220R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0009.6953.00    | DRALORIC     | CR 0603     |              |
| R97       | RG 13R0 +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0009.9069.00    | DRALORIC     | CR 0603     |              |
| R98       | RG 100R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | RG 0009.5334.00 | PHILIPS_CO   | RC 22 H     |              |
| R99       | RG 100R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | RG 0009.5334.00 | PHILIPS_CO   | RC 22 H     |              |
| R100      | RG 182 OHM+-1%TK100 0603<br>SMD RESISTOR EIA0603  | 0009.9130.00    | DRALORIC     | CR 0603     |              |
| R101      | RG 182 OHM+-1%TK100 0603<br>SMD RESISTOR EIA0603  | 0009.9130.00    | DRALORIC     | CR 0603     |              |
| R102      | RG 82,5 OHM+-1%TK100 0603<br>SMD RESISTOR EIA0603 | 0009.9052.00    | DRALORIC     | CR 0603     |              |
| R103      | RG 332 OHM+-1%TK100 1206<br>RESISTOR CHIP         | RG 0007.5650.00 | DRALORIC     | CR 1206     |              |
| R104      | RG 220R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0009.6953.00    | DRALORIC     | CR 0603     |              |
| R106      | RG 825R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0010.8391.00    | PHILIPS_CO   | RC 22 H     |              |
| R107      | RG 825R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0010.8391.00    | PHILIPS_CO   | RC 22 H     |              |
| R108      | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H     |              |
| .. 118    | RG 825R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0010.8391.00    | PHILIPS_CO   | RC 22 H     |              |
| R119      | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H     |              |
| R120      | RG 1K0 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5340.00 | PHILIPS_CO   | RC 22 H     |              |
| R121      | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H     |              |
| R122      | RG 1K0 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5340.00 | PHILIPS_CO   | RC 22 H     |              |
| R123      | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H     |              |
| R124      | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H     |              |
| R125      | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5340.00 | PHILIPS_CO   | RC 22 H     |              |
| R126      | RG 1K0 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H     |              |
| R127      | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H     |              |
| R128      | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H     |              |
| R129      | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5340.00 | PHILIPS_CO   | RC 22 H     |              |
| .. 134    | RG 1K0 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H     |              |
| R135      | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5340.00 | PHILIPS_CO   | RC 22 H     |              |
| R136      | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H     |              |
| .. 140    | RG 1K0 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5340.00 | PHILIPS_CO   | RC 22 H     |              |
| R141      | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H     |              |
| R142      | RG 1K0 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5340.00 | PHILIPS_CO   | RC 22 H     |              |
| R143      | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H     |              |
| R144      | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5340.00 | PHILIPS_CO   | RC 22 H     |              |
| .. 152    | RG 1K0 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H     |              |
| R153      | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5340.00 | PHILIPS_CO   | RC 22 H     |              |
| R154      | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H     |              |
| R155      | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5340.00 | PHILIPS_CO   | RC 22 H     |              |
| R156      | RG 1K0 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H     |              |

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|                                                                                                                   |     |      |    |               |                                       |                         |                   |
|-------------------------------------------------------------------------------------------------------------------|-----|------|----|---------------|---------------------------------------|-------------------------|-------------------|
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| Comp. No.             | Designation                                                                                                             | Stock No.    | Manufacturer                       | Designation                              | contained in |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------|--------------|------------------------------------|------------------------------------------|--------------|
| R157<br>..163<br>R164 | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603<br>RG 470R +-1% TK100<br>SMD RESISTOR EIA0603                                 | 0603<br>0603 | RG 0009.5357.00<br>0009.6976.00    | PHILIPS_CO RC 22 H<br>DRALORIC CR 0603   |              |
| R165<br>..168<br>R169 | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603<br>RG 470R +-1% TK100<br>SMD RESISTOR EIA0603                                 | 0603<br>0603 | RG 0009.5357.00<br>0009.6976.00    | PHILIPS_CO RC 22 H<br>DRALORIC CR 0603   |              |
| R170                  | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603                                                                               | 0603         | RG 0009.5340.00                    | PHILIPS_CO RC 22 H                       |              |
| R171                  | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603                                                                               | 0603         | RG 0009.5357.00                    | PHILIPS_CO RC 22 H                       |              |
| R172                  | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603                                                                               | 0603         | RG 0009.5357.00                    | PHILIPS_CO RC 22 H                       |              |
| R173                  | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603                                                                               | 0603         | RG 0009.5340.00                    | PHILIPS_CO RC 22 H                       |              |
| R174                  | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603                                                                               | 0603         | RG 0009.5340.00                    | PHILIPS_CO RC 22 H                       |              |
| R175<br>..179<br>R180 | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603<br>RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603                                  | 0603<br>0603 | RG 0009.5357.00<br>RG 0009.5340.00 | PHILIPS_CO RC 22 H<br>PHILIPS_CO RC 22 H |              |
| R181                  | RG 8K25 +-1% TK100<br>SMD RESISTOR EIA0603                                                                              | 0603         | 0010.8456.00                       | PHILIPS_CO RC 22 H                       |              |
| R182                  | RG 47K +-1% TK100<br>SMD RESISTOR EIA0603                                                                               | 0603         | 0009.7072.00                       | PHILIPS_CO RC 22 H                       |              |
| R183                  | RG 8K25 +-1% TK100<br>SMD RESISTOR EIA0603                                                                              | 0603         | 0010.8456.00                       | PHILIPS_CO RC 22 H                       |              |
| R184                  | RG 47K +-1% TK100<br>SMD RESISTOR EIA0603                                                                               | 0603         | 0009.7072.00                       | PHILIPS_CO RC 22 H                       |              |
| R185                  | RG 22K +-1% TK100<br>SMD RESISTOR EIA0603                                                                               | 0603         | 0009.7050.00                       | DRALORIC CR 0603                         |              |
| R186                  | RG 2K2 +-1% TK100<br>SMD RESISTOR EIA0603                                                                               | 0603         | 0009.7008.00                       | PHILIPS_CO RC 22 H                       |              |
| R187                  | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603                                                                               | 0603         | RG 0009.5357.00                    | PHILIPS_CO RC 22 H                       |              |
| R188                  | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603                                                                               | 0603         | RG 0009.5340.00                    | PHILIPS_CO RC 22 H                       |              |
| R189                  | RG 1K5 +-1% TK100<br>SMD RESISTOR EIA0603                                                                               | 0603         | 0009.6999.00                       | DRALORIC CR 0603                         |              |
| R191                  | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603<br>NICHT BESTUECKT<br>NOT FITTED                                              | 0603         | RG 0009.5357.00                    | PHILIPS_CO RC 22 H                       |              |
| R192                  | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603<br>NICHT BESTUECKT<br>NOT FITTED                                              | 0603         | RG 0009.5357.00                    | PHILIPS_CO RC 22 H                       |              |
| R193<br>..195<br>R196 | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603<br>RG 10K +-1% TK100<br>SMD RESISTOR EIA0603<br>NICHT BESTUECKT<br>NOT FITTED | 0603<br>0603 | RG 0009.5357.00<br>RG 0009.5357.00 | PHILIPS_CO RC 22 H<br>PHILIPS_CO RC 22 H |              |
| R197                  | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603<br>NICHT BESTUECKT<br>NOT FITTED                                              | 0603         | RG 0009.5357.00                    | PHILIPS_CO RC 22 H                       |              |
| R198                  | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603                                                                               | 0603         | RG 0009.5357.00                    | PHILIPS_CO RC 22 H                       |              |
| R199                  | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603                                                                               | 0603         | RG 0009.5357.00                    | PHILIPS_CO RC 22 H                       |              |
| R200                  | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603<br>NICHT BESTUECKT<br>NOT FITTED                                              | 0603         | RG 0009.5357.00                    | PHILIPS_CO RC 22 H                       |              |
| R201                  | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603                                                                               | 0603         | RG 0009.5357.00                    | PHILIPS_CO RC 22 H                       |              |
| R202                  | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603<br>NICHT BESTUECKT<br>NOT FITTED                                              | 0603         | RG 0009.5357.00                    | PHILIPS_CO RC 22 H                       |              |
| R203                  | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603<br>NICHT BESTUECKT<br>NOT FITTED                                              | 0603         | RG 0009.5357.00                    | PHILIPS_CO RC 22 H                       |              |
| R204                  | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603                                                                               | 0603         | RG 0009.5357.00                    | PHILIPS_CO RC 22 H                       |              |

| 1GPK                                                                                                              | 887 3PLU | ÄI       | Datum<br>Date                   | Schaltteilliste für<br>Parts list for | Sachnummer<br>Stock No. | Blatt-Nr<br>Page |
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| <br><b>ROHDE &amp; SCHWARZ</b> | 24       | 07.10.99 | EE IQ-CONVERTER<br>IQ-CONVERTER | <b>1084.9300.01 SA</b>                | 28+                     |                  |

| Comp. No. | Designation                                                                | Stock No. | Manufacturer    | Designation        | contained in |
|-----------|----------------------------------------------------------------------------|-----------|-----------------|--------------------|--------------|
| R205      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603                                  | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H |              |
| R206      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603<br>NICHT BESTUECKT<br>NOT FITTED | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H |              |
| R207      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603<br>NICHT BESTUECKT<br>NOT FITTED | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H |              |
| R208      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603                                  | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H |              |
| ..217     |                                                                            |           |                 |                    |              |
| R218      | RG 3K3 +-1% TK100<br>SMD RESISTOR EIA0603                                  | 0603      | 0009.7014.00    | DRALORIC CR 0603   |              |
| R219      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603                                  | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H |              |
| ..223     |                                                                            |           |                 |                    |              |
| R224      | RG 3K01+-1% TK100<br>SMD RESISTOR EIA0603                                  | 0603      | 0010.9298.00    | DRALORIC CR 0603   |              |
| R225      | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603                                  | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H |              |
| R226      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603                                  | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H |              |
| R227      | RG 1K5 +-1% TK100<br>SMD RESISTOR EIA0603                                  | 0603      | 0009.6999.00    | DRALORIC CR 0603   |              |
| R228      | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603                                  | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H |              |
| R229      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603                                  | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H |              |
| R230      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603                                  | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H |              |
| R231      | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603                                  | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H |              |
| R233      | RG 301 OHM+-1%TK100<br>RESISTOR CHIP                                       | 1206      | RG 0007.5643.00 | PHILIPS_CO RC02    |              |
| R234      | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603                                  | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H |              |
| R235      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603                                  | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H |              |
| R236      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603                                  | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H |              |
| R237      | RG 330R +-1% TK100<br>SMD RESISTOR EIA0603                                 | 0603      | 0009.6960.00    | DRALORIC CR 0603   |              |
| R238      | RG 30K1+-1% TK100<br>SMD RESISTOR EIA0603                                  | 0603      | 0010.9281.00    | PHILIPS_CO RC 22 H |              |
| R239      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603                                  | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H |              |
| R240      | RG 30K1+-1% TK100<br>SMD RESISTOR EIA0603                                  | 0603      | 0010.9281.00    | PHILIPS_CO RC 22 H |              |
| R241      | RG 30K1+-1% TK100<br>SMD RESISTOR EIA0603                                  | 0603      | 0010.9281.00    | PHILIPS_CO RC 22 H |              |
| R242      | RG 22K +-1% TK100<br>SMD RESISTOR EIA0603                                  | 0603      | 0009.7050.00    | DRALORIC CR 0603   |              |
| R243      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603                                  | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H |              |
| ..247     |                                                                            |           |                 |                    |              |
| R248      | RG 8K25 +-1% TK100<br>SMD RESISTOR EIA0603                                 | 0603      | 0010.8456.00    | PHILIPS_CO RC 22 H |              |
| R249      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603                                  | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H |              |
| ..252     |                                                                            |           |                 |                    |              |
| R253      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603                                  | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H |              |
| R254      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603                                  | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H |              |
| R255      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603                                  | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H |              |
| ..262     |                                                                            |           |                 |                    |              |
| R263      | RG 1K21 +-1% TK100<br>SMD RESISTOR EIA0603                                 | 0603      | RG 0010.9817.00 | PHILIPS_CO RC 22 H |              |
| R264      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603                                  | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H |              |
| R265      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603                                  | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H |              |
| R266      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603                                  | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H |              |
| ..269     |                                                                            |           |                 |                    |              |
| R270      | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603                                  | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H |              |
| R271      | RG 82,5 OHM+-1%TK100<br>SMD RESISTOR EIA0603                               | 0603      | 0009.9052.00    | DRALORIC CR 0603   |              |
| R272      | RG 10R +-1% TK100<br>SMD RESISTOR EIA0603                                  | 0603      | RG 0009.5328.00 | PHILIPS_CO RC 22 H |              |

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| 1GPK                                                                                | 887 3PLU | Äl | Datum<br>Date | Schaltteilliste für<br>Parts list for | Sachnummer<br>Stock No. | Blatt-Nr.<br>Page |
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|  |          | 24 | 07.10.99      | EE IQ-CONVERTER<br>IQ-CONVERTER       | <b>1084.9300.01 SA</b>  | 29+               |

| Kennz.<br>Comp. No. | Benennung<br>Designation                     | Stock No. | Manufacturer    | Designation        | contained in |
|---------------------|----------------------------------------------|-----------|-----------------|--------------------|--------------|
| R273                | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H |              |
| R274                | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H |              |
| R275                | RG 1KO +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H |              |
| R276                | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H |              |
| ..281               | RG 2K2 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.7008.00    | PHILIPS_CO RC 22 H |              |
| R282                | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H |              |
| R283                | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H |              |
| R284                | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H |              |
| R285                | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H |              |
| ..300               | RG 2K74 +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0010.8410.00    | PHILIPS_CO RC 22 H |              |
| R301                | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H |              |
| ..304               | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H |              |
| R305                | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H |              |
| R306                | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0010.8410.00    | PHILIPS_CO RC 22 H |              |
| R307                | RG 2K74 +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H |              |
| R308                | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H |              |
| R309                | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.7014.00    | DRALORIC CR 0603   |              |
| R310                | RG 3K3 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H |              |
| ..313               | RG 1KO +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.7014.00    | DRALORIC CR 0603   |              |
| R314                | RG 3K3 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.7020.00    | PHILIPS_CO RC 22 H |              |
| R315                | RG 4K7 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.7050.00    | DRALORIC CR 0603   |              |
| ..317               | RG 22K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.9123.00    | PHILIPS_CO RC 22 H |              |
| R318                | RG 301R +-1%TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.9123.00    | PHILIPS_CO RC 22 H |              |
| R319                | RG 301R +-1%TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.9130.00    | DRALORIC CR 0603   |              |
| R320                | RG 182 OHM+-1%TK100<br>SMD RESISTOR EIA0603  | 0603      | 0009.9130.00    | DRALORIC CR 0603   |              |
| R321                | RG 182 OHM+-1%TK100<br>SMD RESISTOR EIA0603  | 0603      | 0009.9130.00    | DRALORIC CR 0603   |              |
| R322                | RG 182 OHM+-1%TK100<br>SMD RESISTOR EIA0603  | 0603      | 0009.9130.00    | DRALORIC CR 0603   |              |
| R323                | RG 16,2OHM+-1%TK100<br>SMD RESISTOR EIA0603  | 0603      | 0009.8933.00    | DRALORIC CR 0603   |              |
| R324                | RG 30,1 OHM+-1%TK100<br>SMD RESISTOR EIA0603 | 0603      | 0009.9081.00    | PHILIPS_CO RC 22 H |              |
| R325                | RG 5R62 +-1% TK250<br>SMD RESISTOR EIA0603   | 0603      | 0009.9100.00    | DRALORIC CR 0603   |              |
| R326                | RG 5R62 +-1% TK250<br>SMD RESISTOR EIA0603   | 0603      | 0009.9100.00    | DRALORIC CR 0603   |              |
| R327                | RG 5R62 +-1% TK250<br>SMD RESISTOR EIA0603   | 0603      | 0009.9100.00    | DRALORIC CR 0603   |              |
| R328                | RG 5R62 +-1% TK250<br>SMD RESISTOR EIA0603   | 0603      | 0009.9100.00    | DRALORIC CR 0603   |              |
| R329                | RG 470R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0009.6976.00    | DRALORIC CR 0603   |              |
| R330                | RG 470R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0009.6976.00    | DRALORIC CR 0603   |              |
| R331                | RG 470R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0009.6960.00    | DRALORIC CR 0603   |              |
| R332                | RG 470R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0009.6976.00    | DRALORIC CR 0603   |              |
| R333                | RG 330R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0009.6976.00    | DRALORIC CR 0603   |              |
| R334                | RG 470R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H |              |
| R335                | RG 1KO +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.6976.00    | DRALORIC CR 0603   |              |
| R336                | RG 470R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0009.6976.00    | DRALORIC CR 0603   |              |
| R337                | RG 470R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H |              |
| R338                | RG 1KO +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      |                 |                    |              |
| R339                | RG 1KO +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      |                 |                    |              |

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| <br><b>ROHDE&amp;SCHWARZ</b> | 24       | 07.10.99 | EE IQ-CONVERTER<br>IQ-CONVERTER | <b>1084.9300.01 SA</b>                | 30+                     |                   |

| Comp. No.     | Designation                                 | Stock No. | Manufacturer    | Designation        | contained in |
|---------------|---------------------------------------------|-----------|-----------------|--------------------|--------------|
| R340          | RG 470R +-1% TK100<br>SMD RESISTOR EIA0603  | 0603      | 0009.6976.00    | DRALORIC CR 0603   |              |
| R341          | RG 470R +-1% TK100<br>SMD RESISTOR EIA0603  | 0603      | 0009.6976.00    | DRALORIC CR 0603   |              |
| R342          | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H |              |
| R343          | RG 470R +-1% TK100<br>SMD RESISTOR EIA0603  | 0603      | 0009.6976.00    | DRALORIC CR 0603   |              |
| R344          | RG 470R +-1% TK100<br>SMD RESISTOR EIA0603  | 0603      | 0009.6976.00    | DRALORIC CR 0603   |              |
| R345          | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H |              |
| R346          | RG 470R +-1% TK100<br>SMD RESISTOR EIA0603  | 0603      | 0009.6976.00    | DRALORIC CR 0603   |              |
| ..353<br>R354 | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H |              |
| R355          | RG 330R +-1% TK100<br>SMD RESISTOR EIA0603  | 0603      | 0009.6960.00    | DRALORIC CR 0603   |              |
| R356          | RG 8K25 +-1% TK100<br>SMD RESISTOR EIA0603  | 0603      | 0010.8456.00    | PHILIPS_CO RC 22 H |              |
| R357          | RG 5K62 +-1% TK100<br>SMD RESISTOR EIA0603  | 0603      | 0010.8433.00    | DRALORIC CR 0603   |              |
| R358          | RG 8K25 +-1% TK100<br>SMD RESISTOR EIA0603  | 0603      | 0010.8456.00    | PHILIPS_CO RC 22 H |              |
| R359          | RG 5K62 +-1% TK100<br>SMD RESISTOR EIA0603  | 0603      | 0010.8433.00    | DRALORIC CR 0603   |              |
| R360          | RG 12K1 +-1% TK100<br>SMD RESISTOR EIA0603  | 0603      | 0010.8462.00    | DRALORIC CR 0603   |              |
| R361          | RG 12K1 +-1% TK100<br>SMD RESISTOR EIA0603  | 0603      | 0010.8462.00    | DRALORIC CR 0603   |              |
| R362          | RG 15K +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0009.7043.00    | DRALORIC CR 0603   |              |
| R363          | RG 3K01+-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0010.9298.00    | DRALORIC CR 0603   |              |
| R364          | RG 3K01+-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0010.9298.00    | DRALORIC CR 0603   |              |
| R365          | RG 8K25 +-1% TK100<br>SMD RESISTOR EIA0603  | 0603      | 0010.8456.00    | PHILIPS_CO RC 22 H |              |
| R366          | RG 3K01+-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0010.9298.00    | DRALORIC CR 0603   |              |
| R367          | RG 7K5 +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0010.8440.00    | PHILIPS_CO RC 22 H |              |
| ..370<br>R371 | RG 3K3 +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0009.7014.00    | DRALORIC CR 0603   |              |
| R372          | RG 7K5 +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0010.8440.00    | PHILIPS_CO RC 22 H |              |
| R373          | RG 7K5 +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0010.8440.00    | PHILIPS_CO RC 22 H |              |
| R374          | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H |              |
| R375          | RG 6K8 +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0009.7037.00    | DRALORIC CR 0603   |              |
| R376          | RG 15K +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0009.7043.00    | DRALORIC CR 0603   |              |
| R377          | RG 825R +-1% TK100<br>SMD RESISTOR EIA0603  | 0603      | 0010.8391.00    | PHILIPS_CO RC 22 H |              |
| ..380<br>R381 | RG 1K5 +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0009.6999.00    | DRALORIC CR 0603   |              |
| ..383<br>R384 | RG 301R +-1%TK100<br>SMD RESISTOR EIA0603   | 0603      | 0009.9123.00    | PHILIPS_CO RC 22 H |              |
| R385          | RG 243R +-1% TK100<br>SMD RESISTOR EIA0603  | 0603      | 0010.9800.00    | DRALORIC CR 0603   |              |
| R386          | RG 110 OHM+-1%TK100<br>SMD RESISTOR EIA0603 | 0603      | 0009.9481.00    | DRALORIC CR 0603   |              |
| R387          | RG 22R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0009.6901.00    | DRALORIC CR 0603   |              |
| ..389<br>R390 | RG 8R25 +-1% TK250<br>SMD RESISTOR EIA0603  | 0603      | 0009.9117.00    | DRALORIC CR 0603   |              |
| R391          | RG 13R0 +-1% TK100<br>SMD RESISTOR EIA0603  | 0603      | 0009.9069.00    | DRALORIC CR 0603   |              |
| R392          | RG 13R0 +-1% TK100<br>SMD RESISTOR EIA0603  | 0603      | 0009.9069.00    | DRALORIC CR 0603   |              |
| R393          | RG 22R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0009.6901.00    | DRALORIC CR 0603   |              |
| ..395<br>R396 | RG 10R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5328.00 | PHILIPS_CO RC 22 H |              |
| R397          | RG 22R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0009.6901.00    | DRALORIC CR 0603   |              |
| ..402         |                                             |           |                 |                    |              |

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| Comp. No.             | Designation                                                          | Stock No.    | Manufacturer                    | Designation                              | contained in |
|-----------------------|----------------------------------------------------------------------|--------------|---------------------------------|------------------------------------------|--------------|
| R403<br>..406<br>R407 | RG 47K +-1% TK100<br>SMD RESISTOR EIA0603<br>RG 2K2 +-1% TK100       | 0603<br>0603 | 0009.7072.00<br>0009.7008.00    | PHILIPS_CO RC 22 H<br>PHILIPS_CO RC 22 H |              |
| R408<br>..411<br>R412 | SMD RESISTOR EIA0603<br>RG 47K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603<br>0603 | 0009.7072.00<br>0009.7072.00    | PHILIPS_CO RC 22 H<br>PHILIPS_CO RC 22 H |              |
| R413                  | NICHT BESTUECKT/NOT FITTED<br>RG 22R +-1% TK100                      | 0603         | 0009.6901.00                    | DRALORIC CR 0603                         |              |
| R414                  | SMD RESISTOR EIA0603<br>RG 22R +-1% TK100                            | 0603         | 0009.6901.00                    | DRALORIC CR 0603                         |              |
| R415                  | SMD RESISTOR EIA0603<br>RG 22R +-1% TK100                            | 0603         | 0009.6901.00                    | DRALORIC CR 0603                         |              |
| R416                  | SMD RESISTOR EIA0603<br>RG 2K2 +-1% TK100                            | 0603         | 0009.7008.00                    | PHILIPS_CO RC 22 H                       |              |
| R417                  | SMD RESISTOR EIA0603<br>RG 2K2 +-1% TK100                            | 0603         | 0009.7008.00                    | PHILIPS_CO RC 22 H                       |              |
| R418                  | SMD RESISTOR EIA0603<br>RG 2K74 +-1% TK100                           | 0603         | 0010.8410.00                    | PHILIPS_CO RC 22 H                       |              |
| R419                  | SMD RESISTOR EIA0603<br>RG 1K0 +-1% TK100                            | 0603         | RG 0009.5340.00                 | PHILIPS_CO RC 22 H                       |              |
| R420                  | SMD RESISTOR EIA0603<br>RG 1K0 +-1% TK100                            | 0603         | RG 0009.5340.00                 | PHILIPS_CO RC 22 H                       |              |
| R421<br>..425<br>R426 | SMD RESISTOR EIA0603<br>RG 2,13KOH+-0,1%TK25<br>SMD-RESISTOR EIA1206 | 1206         | 0009.8140.00                    | PHILIPS_CO MPC 01                        |              |
| R427                  | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603                            | 0603         | RG 0009.5340.00                 | PHILIPS_CO RC 22 H                       |              |
| R428                  | RG 3K92 +-1% TK100<br>SMD RESISTOR EIA0603                           | 0603         | 0010.8427.00                    | PHILIPS_CO RC 22 H                       |              |
| R429                  | RG 18R2 +-1% TK100<br>SMD RESISTOR EIA0603                           | 0603         | 0010.8385.00                    | DRALORIC CR 0603                         |              |
| R430                  | RG 18R2 +-1% TK100<br>SMD RESISTOR EIA0603                           | 0603         | 0010.8385.00                    | DRALORIC CR 0603                         |              |
| R431                  | RG 82,5 OHM+-1%TK100<br>SMD RESISTOR EIA0603                         | 0603         | 0009.9052.00                    | DRALORIC CR 0603                         |              |
| R432                  | RG 51,0 OHM+-1%TK100<br>SMD RESISTOR EIA0603                         | 0603         | 0009.9030.00                    | DRALORIC CR 0603                         |              |
| R433<br>..446<br>R447 | RG 47R +-1% TK100<br>SMD RESISTOR EIA0603<br>RG 39R2 +-1% TK100      | 0603<br>0603 | 0009.6924.00<br>0010.9400.00    | PHILIPS_CO RC 22 H<br>DRALORIC CR 0603   |              |
| R448                  | SMD RESISTOR EIA0603<br>RG 51,0 OHM+-1%TK100                         | 0603         | 0009.9030.00                    | DRALORIC CR 0603                         |              |
| R457                  | SMD RESISTOR EIA0603<br>RG 47R +-1% TK100                            | 0603         | 0009.6924.00                    | PHILIPS_CO RC 22 H                       |              |
| R458                  | SMD RESISTOR EIA0603<br>RG 150K +-1% TK100                           | 0603         | 0009.7095.00                    | PHILIPS_CO RC 22 H                       |              |
| R459                  | SMD RESISTOR EIA0603<br>RG 150K +-1% TK100                           | 0603         | 0009.7095.00                    | PHILIPS_CO RC 22 H                       |              |
| R461<br>..461<br>R462 | SMD RESISTOR EIA0603<br>RG 10R +-1% TK100<br>SMD RESISTOR EIA0603    | 0603<br>0603 | RG 0009.5328.00<br>0010.8362.00 | PHILIPS_CO RC 22 H<br>PHILIPS_CO RC 22 H |              |
| R463                  | SMD RESISTOR EIA0603<br>RG 10R +-1% TK100                            | 0603         | RG 0009.5328.00                 | PHILIPS_CO RC 22 H                       |              |
| R464                  | SMD RESISTOR EIA0603<br>RG 5R62 +-1% TK250                           | 0603         | 0009.9100.00                    | DRALORIC CR 0603                         |              |
| R465                  | SMD RESISTOR EIA0603<br>RG 10R +-1% TK100                            | 0603         | RG 0009.5328.00                 | PHILIPS_CO RC 22 H                       |              |
| R466                  | SMD RESISTOR EIA0603<br>RG 10R +-1% TK100                            | 0603         | RG 0009.5328.00                 | PHILIPS_CO RC 22 H                       |              |
| R467<br>..470<br>R471 | SMD RESISTOR EIA0603<br>RG 5R62 +-1% TK250<br>SMD RESISTOR EIA0603   | 0603<br>0603 | 0009.9100.00<br>RG 0009.5357.00 | DRALORIC CR 0603<br>PHILIPS_CO RC 22 H   |              |
| R472                  | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603                            | 0603         | RG 0009.5328.00                 | PHILIPS_CO RC 22 H                       |              |
| R475                  | SMD RESISTOR EIA0603<br>RG 5R62 +-1% TK250                           | 0603         | 0009.9100.00                    | DRALORIC CR 0603                         |              |
| R476                  | SMD RESISTOR EIA0603<br>RG 10R +-1% TK100                            | 0603         | RG 0009.5328.00                 | PHILIPS_CO RC 22 H                       |              |
| R477                  | SMD RESISTOR EIA0603<br>RG 10R +-1% TK100                            | 0603         | RG 0009.5328.00                 | PHILIPS_CO RC 22 H                       |              |
| R478                  | SMD RESISTOR EIA0603<br>RG 22R +-1% TK100                            | 0603         | 0009.6901.00                    | DRALORIC CR 0603                         |              |
|                       | SMD RESISTOR EIA0603<br>RG 22R +-1% TK100                            | 0603         | 0009.6901.00                    | DRALORIC CR 0603                         |              |

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| R479<br>..484 | RG 10R +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5328.00 | PHILIPS_CD   | RC 22 H       |              |
| R485          | RG 680R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0009.6982.00    | PHILIPS_CD   | RC 22 H       |              |
| R486          | RG 680R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0009.6982.00    | PHILIPS_CD   | RC 22 H       |              |
| R487          | RG 100R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | RG 0009.5334.00 | PHILIPS_CD   | RC 22 H       |              |
| R488          | RG 10R +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5328.00 | PHILIPS_CD   | RC 22 H       |              |
| R489          | RG 5R62 +-1% TK250 0603<br>SMD RESISTOR EIA0603   | 0009.9100.00    | DRALORIC     | CR 0603       |              |
| R490          | RG 82,5 OHM+-1%TK100 0603<br>SMD RESISTOR EIA0603 | 0009.9052.00    | DRALORIC     | CR 0603       |              |
| R491          | RG 5R62 +-1% TK250 0603<br>SMD RESISTOR EIA0603   | 0009.9100.00    | DRALORIC     | CR 0603       |              |
| R492          | RG 5R62 +-1% TK250 0603<br>SMD RESISTOR EIA0603   | 0009.9100.00    | DRALORIC     | CR 0603       |              |
| R494          | RS 0,25W200KOHM+-20% SMD<br>POTENTIOMETER         | RS 0007.9684.00 | BI_TECHNOL   | 23 B R... TR  |              |
| R495          | RS 0,25W200KOHM+-20% SMD<br>POTENTIOMETER         | RS 0007.9684.00 | BI_TECHNOL   | 23 B R... TR  |              |
| R496          | RS 0,25W10KOHM +-20% SMD<br>POTENTIOMETER         | RS 0007.9649.00 | BI_TECHNOL   | 23 B R... TR  |              |
| R497          | RG 150R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0009.6947.00    | PHILIPS_CD   | RC 22 H       |              |
| R498          | RG 220R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0009.6953.00    | DRALORIC     | CR 0603       |              |
| R499          | RG 150R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0009.6947.00    | PHILIPS_CD   | RC 22 H       |              |
| R500          | RG 182 OHM+-1%TK100 0603<br>SMD RESISTOR EIA0603  | 0009.9130.00    | DRALORIC     | CR 0603       |              |
| R501<br>..506 | RG 150R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0009.6947.00    | PHILIPS_CD   | RC 22 H       |              |
| R507          | RG 1K5 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.6999.00    | DRALORIC     | CR 0603       |              |
| R508          | RG 5K62 +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0010.8433.00    | DRALORIC     | CR 0603       |              |
| R509          | RG 1K5 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.6999.00    | DRALORIC     | CR 0603       |              |
| R510          | RG 2K2 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.7008.00    | PHILIPS_CD   | RC 22 H       |              |
| R511          | RG 5K62 +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0010.8433.00    | DRALORIC     | CR 0603       |              |
| R512          | RG 5K62 +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0010.8433.00    | DRALORIC     | CR 0603       |              |
| R513<br>..518 | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5357.00 | PHILIPS_CD   | RC 22 H       |              |
| R519          | RG 5K62 +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0010.8433.00    | DRALORIC     | CR 0603       |              |
| R520          | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5357.00 | PHILIPS_CD   | RC 22 H       |              |
| R521          | RG 3K3 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.7014.00    | DRALORIC     | CR 0603       |              |
| R522          | RG 3K3 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.7014.00    | DRALORIC     | CR 0603       |              |
| R523          | RG 1K5 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.6999.00    | DRALORIC     | CR 0603       |              |
| R524          | RG 680R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0009.6982.00    | PHILIPS_CD   | RC 22 H       |              |
| R525          | RG 5K62 +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0010.8433.00    | DRALORIC     | CR 0603       |              |
| R526          | RG 3K3 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.7014.00    | DRALORIC     | CR 0603       |              |
| R527          | RG 2K2 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.7008.00    | PHILIPS_CD   | RC 22 H       |              |
| R528          | RG 5K62 +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0010.8433.00    | DRALORIC     | CR 0603       |              |
| R529          | RG 5K62 +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0010.8433.00    | DRALORIC     | CR 0603       |              |
| R530          | RK SMD-HEISSL. 100K 1206<br>SMD-NTC-RESISTOR      | 0008.9236.00    | SIEMENS      | B57621-C104-J |              |
| R531          | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5357.00 | PHILIPS_CD   | RC 22 H       |              |
| R532          | RK SMD-HEISSL. 100K 1206<br>SMD-NTC-RESISTOR      | 0008.9236.00    | SIEMENS      | B57621-C104-J |              |
| R533<br>..535 | RG 15R +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.6899.00    | DRALORIC     | CR 0603       |              |

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| Kennz.<br>Comp. No. | Bezeichnung<br>Designation | Sachnummer<br>Stock No. | Manufacturer | Designation   | contained in |
|---------------------|----------------------------|-------------------------|--------------|---------------|--------------|
| R536                | RG 392R+-1% TK100 0603     | 0010.9300.00            | PHILIPS_CO   | RC 22 H       |              |
| R537                | SMD RESISTOR EIA0603       | 0010.9300.00            | PHILIPS_CO   | RC 22 H       |              |
| R538                | RG 392R+-1% TK100 0603     | 0009.7620.00            | PHILIPS_CO   | MPC 01        |              |
| R539                | SMD RESISTOR EIA0603       | 0009.7050.00            | DRALORIC     | CR 0603       |              |
| R540                | RG 10K +-1% TK100 0603     | RG 0009.5357.00         | PHILIPS_CO   | RC 22 H       |              |
| R541                | SMD RESISTOR EIA0603       | 0010.9100.00            | PHILIPS_CO   | RC 22 H       |              |
| R542                | RG 20K +-1% TK100 0603     | 0009.7050.00            | DRALORIC     | CR 0603       |              |
| R543                | SMD RESISTOR EIA0603       | 0009.7050.00            | DRALORIC     | CR 0603       |              |
| R544                | RG 22K +-1% TK100 0603     | 0010.9100.00            | PHILIPS_CO   | RC 22 H       |              |
| R545                | RG 20K +-1% TK100 0603     | 0010.9100.00            | PHILIPS_CO   | RC 22 H       |              |
| ..548               | SMD RESISTOR EIA0603       | 0008.9236.00            | SIEMENS      | B57621-C104-J |              |
| R549                | RK SMD-HEISSL.100K 1206    | 0010.9317.00            | DRALORIC     | CR 0603       |              |
| R550                | SMD-NTC-RESISTOR           | 0010.9100.00            | PHILIPS_CO   | RC 22 H       |              |
| R551                | RG 18K2+-1% TK100 0603     | 0009.7050.00            | DRALORIC     | CR 0603       |              |
| ..553               | SMD RESISTOR EIA0603       | RG 0009.5340.00         | PHILIPS_CO   | RC 22 H       |              |
| R554                | RG 20K +-1% TK100 0603     | RG 0009.5340.00         | PHILIPS_CO   | RC 22 H       |              |
| ..558               | SMD RESISTOR EIA0603       | 0008.9236.00            | SIEMENS      | B57621-C104-J |              |
| R559                | RG 22K +-1% TK100 0603     | RG 0009.5340.00         | PHILIPS_CO   | RC 22 H       |              |
| R560                | RG 1K0 +-1% TK100 0603     | RG 0009.5340.00         | PHILIPS_CO   | RC 22 H       |              |
| R561                | SMD RESISTOR EIA0603       | 0009.9369.00            | PHILIPS_CO   | RC21 0 OHM    |              |
| ..564               | RG 1K0 +-1% TK100 0603     | 0010.8427.00            | PHILIPS_CO   | RC 22 H       |              |
| R565                | SMD RESISTOR EIA0603       | 0009.6960.00            | DRALORIC     | CR 0603       |              |
| R566                | RK SMD-HEISSL.100K 1206    | 0009.7072.00            | PHILIPS_CO   | RC 22 H       |              |
| R567                | SMD-NTC-RESISTOR           | 0010.9300.00            | PHILIPS_CO   | RC 22 H       |              |
| R568                | RG 1K0 +-1% TK100 0603     | 0009.6960.00            | DRALORIC     | CR 0603       |              |
| R569                | RG 100K +-1% TK100 0603    | 0009.7643.00            | PHILIPS_CO   | RC02          |              |
| R570                | SMD RESISTOR EIA0603       | 0009.7643.00            | PHILIPS_CO   | MPC 01        |              |
| R571                | RG 150K +-1% TK100 0603    | 0007.5650.00            | DRALORIC     | CR 1206       |              |
| R572                | RG 1K0 +-1% TK100 0603     | 0007.5643.00            | PHILIPS_CO   | RC02          |              |
| R573                | SMD RESISTOR EIA0603       | 0009.7643.00            | PHILIPS_CO   | MPC 01        |              |
| R574                | RG 1K5 +-1% TK100 0603     |                         |              |               |              |
| R575                | SMD RESISTOR EIA0603       |                         |              |               |              |
| R576                | RG 1K0 +-1% TK100 0603     |                         |              |               |              |
| R577                | SMD RESISTOR EIA0603       |                         |              |               |              |
| ..581               | RG 0-OHM WIDERSTAND 0603   |                         |              |               |              |
| R582                | SMD RESISTOR EIA0603       |                         |              |               |              |
| R583                | RG 3K92 +-1% TK100 0603    |                         |              |               |              |
| R584                | SMD RESISTOR EIA0603       |                         |              |               |              |
| R585                | RG 33OR +-1% TK100 0603    |                         |              |               |              |
| R586                | SMD RESISTOR EIA0603       |                         |              |               |              |
| R587                | RG 47K +-1% TK100 0603     |                         |              |               |              |
| R588                | SMD RESISTOR EIA0603       |                         |              |               |              |
| R589                | RG 392R+-1% TK100 0603     |                         |              |               |              |
| ..593               | SMD RESISTOR EIA0603       |                         |              |               |              |
| R594                | RG 392R+-1% TK100 0603     |                         |              |               |              |
| ..598               | SMD RESISTOR EIA0603       |                         |              |               |              |
| R599                | RG 33OR +-1% TK100 0603    |                         |              |               |              |
|                     | RG 301 OHM+-1%TK100 1206   |                         |              |               |              |
|                     | RESISTOR CHIP              |                         |              |               |              |
|                     | RG 20,0KOH+-0,1%TK25 1206  |                         |              |               |              |
|                     | SMD-RESISTOR               |                         |              |               |              |

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| Comp. No. | Designation                                                                   | Stock No.       | Manufacturer | Designation | contained in |
|-----------|-------------------------------------------------------------------------------|-----------------|--------------|-------------|--------------|
| R600      | RG 33K +-1% TK100 0603<br>SMD RESISTOR EIA0603                                | 0009.7066.00    | PHILIPS_CO   | RC 22 H     |              |
| R601      | RG 22K +-1% TK100 0603<br>SMD RESISTOR EIA0603                                | 0009.7050.00    | DRALORIC     | CR 0603     |              |
| R602      | RG 3K01+-1% TK100 0603<br>SMD RESISTOR EIA0603                                | 0010.9298.00    | DRALORIC     | CR 0603     |              |
| R603      | RG 100K +-1% TK100 0603                                                       | RG 0009.5363.00 | DRALORIC     | CR 0603     |              |
| ..606     | SMD RESISTOR EIA0603                                                          |                 |              |             |              |
| R607      | RG 100K +-1% TK100 0603<br>SMD RESISTOR EIA0603<br>NICHT BESTUECKT/NOT FITTED | RG 0009.5363.00 | DRALORIC     | CR 0603     |              |
| R608      | RG 3K92 +-1% TK100 0603<br>SMD RESISTOR EIA0603                               | 0010.8427.00    | PHILIPS_CO   | RC 22 H     |              |
| R609      | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603                                | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H     |              |
| R610      | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603                                | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H     |              |
| R611      | RG 22K +-1% TK100 0603<br>SMD RESISTOR EIA0603                                | 0009.7050.00    | DRALORIC     | CR 0603     |              |
| R612      | RG 100K +-1% TK100 0603<br>SMD RESISTOR EIA0603                               | RG 0009.5363.00 | DRALORIC     | CR 0603     |              |
| R613      | RG 33K +-1% TK100 0603<br>SMD RESISTOR EIA0603                                | 0009.7066.00    | PHILIPS_CO   | RC 22 H     |              |
| R614      | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603                                | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H     |              |
| R615      | RG 3K92 +-1% TK100 0603<br>SMD RESISTOR EIA0603                               | 0010.8427.00    | PHILIPS_CO   | RC 22 H     |              |
| R616      | RG 18K2+-1% TK100 0603<br>SMD RESISTOR EIA0603                                | 0010.9317.00    | DRALORIC     | CR 0603     |              |
| R617      | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603                                | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H     |              |
| R618      | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603                                | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H     |              |
| R619      | RG 1K0 +-1% TK100 0603<br>SMD RESISTOR EIA0603                                | RG 0009.5340.00 | PHILIPS_CO   | RC 22 H     |              |
| R620      | RG 10K +-1% TK100 0603                                                        | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H     |              |
| ..624     | SMD RESISTOR EIA0603                                                          |                 |              |             |              |
| R625      | RG 4K7 +-1% TK100 0603<br>SMD RESISTOR EIA0603                                | 0009.7020.00    | PHILIPS_CO   | RC 22 H     |              |
| R626      | RG 7K5 +-1% TK100 0603<br>SMD RESISTOR EIA0603                                | 0010.8440.00    | PHILIPS_CO   | RC 22 H     |              |
| R627      | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603                                | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H     |              |
| R628      | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603                                | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H     |              |
| R629      | RG 4K7 +-1% TK100 0603<br>SMD RESISTOR EIA0603                                | 0009.7020.00    | PHILIPS_CO   | RC 22 H     |              |
| R630      | RG 7K5 +-1% TK100 0603<br>SMD RESISTOR EIA0603                                | 0010.8440.00    | PHILIPS_CO   | RC 22 H     |              |
| R631      | RG 4K7 +-1% TK100 0603<br>SMD RESISTOR EIA0603                                | 0009.7020.00    | PHILIPS_CO   | RC 22 H     |              |
| R632      | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603                                | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H     |              |
| R633      | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603                                | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H     |              |
| R634      | RG 7K5 +-1% TK100 0603<br>SMD RESISTOR EIA0603                                | 0010.8440.00    | PHILIPS_CO   | RC 22 H     |              |
| R635      | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603                                | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H     |              |
| R636      | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603                                | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H     |              |
| R637      | RG 7K5 +-1% TK100 0603<br>SMD RESISTOR EIA0603                                | 0010.8440.00    | PHILIPS_CO   | RC 22 H     |              |
| R638      | RG 4K7 +-1% TK100 0603<br>SMD RESISTOR EIA0603                                | 0009.7020.00    | PHILIPS_CO   | RC 22 H     |              |
| R639      | RG 4K7 +-1% TK100 0603<br>SMD RESISTOR EIA0603                                | 0009.7020.00    | PHILIPS_CO   | RC 22 H     |              |
| R640      | RG 7K5 +-1% TK100 0603<br>SMD RESISTOR EIA0603                                | 0010.8440.00    | PHILIPS_CO   | RC 22 H     |              |
| R641      | RG 10K +-1% TK100 0603                                                        | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H     |              |
| ..644     | SMD RESISTOR EIA0603                                                          |                 |              |             |              |
| R645      | RG 4K7 +-1% TK100 0603<br>SMD RESISTOR EIA0603                                | 0009.7020.00    | PHILIPS_CO   | RC 22 H     |              |
| R646      | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603                                | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H     |              |
| R647      | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603                                | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H     |              |

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| R648      | RG 4K7 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                                         | 0009.7020.00    | PHILIPS_CO RC 22 H      |                    |
| R649      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                                         | RG 0009.5357.00 | PHILIPS_CO RC 22 H      |                    |
| ..651     | R652                                         | RG 7K5 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603            | 0010.8440.00            | PHILIPS_CO RC 22 H |
| R653      | RG 7K5 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                                         | 0010.8440.00    | PHILIPS_CO RC 22 H      |                    |
| R654      | RG 2K74 +-1% TK100<br>SMD RESISTOR EIA0603   | 0603                                         | 0010.8410.00    | PHILIPS_CO RC 22 H      |                    |
| R655      | RG 2K74 +-1% TK100<br>SMD RESISTOR EIA0603   | 0603                                         | 0010.8410.00    | PHILIPS_CO RC 22 H      |                    |
| R656      | RG 3K92 +-1% TK100<br>SMD RESISTOR EIA0603   | 0603                                         | 0010.8427.00    | PHILIPS_CO RC 22 H      |                    |
| R657      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                                         | RG 0009.5357.00 | PHILIPS_CO RC 22 H      |                    |
| R658      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                                         | RG 0009.5357.00 | PHILIPS_CO RC 22 H      |                    |
| R659      | RK SMD-HEISSL.100K<br>SMD-NTC-RESISTOR       | 1206                                         | 0008.9236.00    | SIEMENS B57621-C104-J   |                    |
| ..661     | R662                                         | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603            | RG 0009.5357.00         | PHILIPS_CO RC 22 H |
| R663      | RG 22K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                                         | 0009.7050.00    | DRALORIC CR 0603        |                    |
| R664      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                                         | RG 0009.5357.00 | PHILIPS_CO RC 22 H      |                    |
| R665      | RG 2K74 +-1% TK100<br>SMD RESISTOR EIA0603   | 0603                                         | 0010.8410.00    | PHILIPS_CO RC 22 H      |                    |
| R666      | RG 4K7 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                                         | 0009.7020.00    | PHILIPS_CO RC 22 H      |                    |
| R667      | RG 4K7 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                                         | 0009.7020.00    | PHILIPS_CO RC 22 H      |                    |
| ..674     | R675                                         | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603            | RG 0009.5357.00         | PHILIPS_CO RC 22 H |
| R677      | RK SMD-HEISSL.100K<br>SMD-NTC-RESISTOR       | 1206                                         | 0008.9236.00    | SIEMENS B57621-C104-J   |                    |
| R678      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                                         | RG 0009.5357.00 | PHILIPS_CO RC 22 H      |                    |
| R679      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                                         | RG 0009.5357.00 | PHILIPS_CO RC 22 H      |                    |
| R680      | RG 12K1 +-1% TK100<br>SMD RESISTOR EIA0603   | 0603                                         | 0010.8462.00    | DRALORIC CR 0603        |                    |
| R681      | RG 220R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603                                         | 0009.6953.00    | DRALORIC CR 0603        |                    |
| R682      | RG 18K2+-1% TK100<br>SMD RESISTOR EIA0603    | 0603                                         | 0010.9317.00    | DRALORIC CR 0603        |                    |
| R683      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                                         | RG 0009.5357.00 | PHILIPS_CO RC 22 H      |                    |
| R684      | RG 5K62 +-1% TK100<br>SMD RESISTOR EIA0603   | 0603                                         | 0010.8433.00    | DRALORIC CR 0603        |                    |
| R685      | RG 5K62 +-1% TK100<br>SMD RESISTOR EIA0603   | 0603                                         | 0010.8433.00    | DRALORIC CR 0603        |                    |
| R686      | RG 4K7 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                                         | 0009.7020.00    | PHILIPS_CO RC 22 H      |                    |
| R687      | RG 5K62 +-1% TK100<br>SMD RESISTOR EIA0603   | 0603                                         | 0010.8433.00    | DRALORIC CR 0603        |                    |
| R688      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                                         | RG 0009.5357.00 | PHILIPS_CO RC 22 H      |                    |
| R689      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                                         | RG 0009.5357.00 | PHILIPS_CO RC 22 H      |                    |
| R690      | RG 5K62 +-1% TK100<br>SMD RESISTOR EIA0603   | 0603                                         | 0010.8433.00    | DRALORIC CR 0603        |                    |
| R691      | RS 0,25W200KOHM+-20%<br>POTENTIOMETER        | SMD                                          | RS 0007.9684.00 | BI_TECHNOL 23 B R... TR |                    |
| ..694     | R695                                         | RG 560R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603            | 0009.9630.00            | DRALORIC CR 0603   |
| R696      | RG 825R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603                                         | 0010.8391.00    | PHILIPS_CO RC 22 H      |                    |
| R697      | RG 10,0KOH+-0,1%TK25<br>SMD-RESISTOR         | 1206                                         | 0009.7666.00    | PHILIPS_CO MPC 01       |                    |
| ..705     | R706                                         | RG 30,1 OHM+-1%TK100<br>SMD RESISTOR EIA0603 | 0603            | 0009.9081.00            | PHILIPS_CO RC 22 H |
| R707      | RG 30,1 OHM+-1%TK100<br>SMD RESISTOR EIA0603 | 0603                                         | 0009.9081.00    | PHILIPS_CO RC 22 H      |                    |
| R708      | RG 35,7 OHM+-1%TK100<br>SMD RESISTOR EIA0603 | 0603                                         | 0009.9000.00    | PHILIPS_CO RC 22 H      |                    |
| R709      | RG 35,7 OHM+-1%TK100<br>SMD RESISTOR EIA0603 | 0603                                         | 0009.9000.00    | PHILIPS_CO RC 22 H      |                    |

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| R710<br>..716 | RG 30,1 OHM+-1%TK100 0603<br>SMD RESISTOR EIA0603                                  | 0009.9081.00    | PHILIPS_CO   | RC 22 H              |              |
| R717          | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603                                     | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H              |              |
| R718          | RG 18K2+-1% TK100 0603<br>SMD RESISTOR EIA0603                                     | 0010.9317.00    | DRALORIC     | CR 0603              |              |
| R719<br>..725 | RG 15K +-1% TK100 0603<br>SMD RESISTOR EIA0603                                     | 0009.7043.00    | DRALORIC     | CR 0603              |              |
| R726          | RG 18K2+-1% TK100 0603<br>SMD RESISTOR EIA0603                                     | 0010.9317.00    | DRALORIC     | CR 0603              |              |
| R727          | RG 20K +-1% TK100 0603<br>SMD RESISTOR EIA0603                                     | 0010.9100.00    | PHILIPS_CO   | RC 22 H              |              |
| R728          | RG 20K +-1% TK100 0603<br>SMD RESISTOR EIA0603                                     | 0010.9100.00    | PHILIPS_CO   | RC 22 H              |              |
| R729          | RG 220R +-1% TK100 0603<br>SMD RESISTOR EIA0603                                    | 0009.6953.00    | DRALORIC     | CR 0603              |              |
| R730          | RG 18K2+-1% TK100 0603<br>SMD RESISTOR EIA0603                                     | 0010.9317.00    | DRALORIC     | CR 0603              |              |
| R731          | RG 3K3 +-1% TK100 0603<br>SMD RESISTOR EIA0603                                     | 0009.7014.00    | DRALORIC     | CR 0603              |              |
| R732          | RG 15K +-1% TK100 0603<br>SMD RESISTOR EIA0603                                     | 0009.7043.00    | DRALORIC     | CR 0603              |              |
| R733          | RG 82,5 OHM+-1%TK100 0603<br>SMD RESISTOR EIA0603                                  | 0009.9052.00    | DRALORIC     | CR 0603              |              |
| R734          | RG 82,5 OHM+-1%TK100 0603<br>SMD RESISTOR EIA0603                                  | 0009.9052.00    | DRALORIC     | CR 0603              |              |
| R735          | RG 100R +-1% TK100 0603<br>SMD RESISTOR EIA0603                                    | RG 0009.5334.00 | PHILIPS_CO   | RC 22 H              |              |
| R736          | RG 56R +-1% TK100 0603<br>SMD RESISTOR EIA0603                                     | 0009.9646.00    | DRALORIC     | CR 0603              |              |
| R737          | RG 47R +-1% TK100 0603<br>SMD RESISTOR EIA0603                                     | 0009.6924.00    | PHILIPS_CO   | RC 22 H              |              |
| R738          | RG 56R +-1% TK100 0603<br>SMD RESISTOR EIA0603                                     | 0009.9646.00    | DRALORIC     | CR 0603              |              |
| R739          | RG 1K5 +-1% TK100 0603<br>SMD RESISTOR EIA0603                                     | 0009.6999.00    | DRALORIC     | CR 0603              |              |
| R740          | RG 18K2+-1% TK100 0603<br>SMD RESISTOR EIA0603                                     | 0010.9317.00    | DRALORIC     | CR 0603              |              |
| R741<br>..746 | RG 30K1+-1% TK100 0603<br>SMD RESISTOR EIA0603                                     | 0010.9281.00    | PHILIPS_CO   | RC 22 H              |              |
| R747          | RG 33K +-1% TK100 0603<br>SMD RESISTOR EIA0603                                     | 0009.7066.00    | PHILIPS_CO   | RC 22 H              |              |
| R748          | RG 82,5 OHM+-1%TK100 0603<br>SMD RESISTOR EIA0603                                  | 0009.9052.00    | DRALORIC     | CR 0603              |              |
| R749          | RG 100R +-1% TK100 0603<br>SMD RESISTOR EIA0603                                    | RG 0009.5334.00 | PHILIPS_CO   | RC 22 H              |              |
| R750          | RG 100R 1% 1W 1218<br>SMD RESISTOR                                                 | 1104.2740.00    | PHILIPS_CO   | PRC201-100R 1% TK100 |              |
| R751          | RG 100R 1% 1W 1218<br>SMD RESISTOR                                                 | 1104.2740.00    | PHILIPS_CO   | PRC201-100R 1% TK100 |              |
| R752          | RG 39R2 +-1% TK100 0603<br>SMD RESISTOR EIA0603                                    | 0010.9400.00    | DRALORIC     | CR 0603              |              |
| R753          | RG 39R2 +-1% TK100 0603<br>SMD RESISTOR EIA0603                                    | 0010.9400.00    | DRALORIC     | CR 0603              |              |
| R754<br>..756 | NICHT BESTUECKT/NOT FITTED<br>RG 35,7 OHM+-1%TK100 0603<br>SMD RESISTOR EIA0603    | 0009.9000.00    | PHILIPS_CO   | RC 22 H              |              |
| R757          | RG 82K5 +-1% TK100 0603<br>SMD RESISTOR EIA0603                                    | 0010.9123.00    | DRALORIC     | CR 0603              |              |
| R758          | RG 0-OHM WIDERSTAND 0603<br>SMD RESISTOR EIA0603                                   | 0009.9369.00    | PHILIPS_CO   | RC21 0 OHM           |              |
| R759          | RG 0-OHM WIDERSTAND 0603<br>SMD RESISTOR EIA0603                                   | 0009.9369.00    | PHILIPS_CO   | RC21 0 OHM           |              |
| R760          | NICHT BESTUECKT<br>NOT FITTED<br>RG 0-OHM WIDERSTAND 0603<br>SMD RESISTOR EIA0603  | 0009.9369.00    | PHILIPS_CO   | RC21 0 OHM           |              |
| R761          | NICHT BESTUECKT<br>NOT FITTED<br>RG 0-OHM WIDERSTAND 0603<br>SMD RESISTOR EIA0603  | 0009.9369.00    | PHILIPS_CO   | RC21 0 OHM           |              |
| R762          | NICHT BESTUECKT<br>NOT FITTED<br>RG 30,1 OHM+-1%TK100 0603<br>SMD RESISTOR EIA0603 | 0009.9081.00    | PHILIPS_CO   | RC 22 H              |              |
| R763          | RG 8R25 +-1% TK250 0603<br>SMD RESISTOR EIA0603                                    | 0009.9117.00    | DRALORIC     | CR 0603              |              |

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|---------------------|---------------------------------------------------|-------------------------|-----------------|--------------------|
| R764                | RG 12R1+-1%TK100 0603<br>SMD RESISTOR EIA0603     | 0010.9275.00            | PHILIPS_CO      | RC 22 H            |
| R765                | RG 10R +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5328.00         | PHILIPS_CO      | RC 22 H            |
| R766                | RG 30,1 OHM+-1%TK100 0603<br>SMD RESISTOR EIA0603 | 0009.9081.00            | PHILIPS_CO      | RC 22 H            |
| R767                | RG 162 OHM+-1%TK100 0603<br>SMD RESISTOR EIA0603  | 0009.9500.00            | PHILIPS_CO      | RC 22 H            |
| R768                | RG 162 OHM+-1%TK100 0603<br>SMD RESISTOR EIA0603  | 0009.9500.00            | PHILIPS_CO      | RC 22 H            |
| R769                | RG 392R+-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0010.9300.00            | PHILIPS_CO      | RC 22 H            |
| R770                | RG 392R+-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0010.9300.00            | PHILIPS_CO      | RC 22 H            |
| R771                | RG 330R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0009.6960.00            | DRALORIC        | CR 0603            |
| R772                | RG 182 OHM+-1%TK100 0603<br>SMD RESISTOR EIA0603  | 0009.9130.00            | DRALORIC        | CR 0603            |
| R773                | RG 182 OHM+-1%TK100 0603<br>SMD RESISTOR EIA0603  | 0009.9130.00            | DRALORIC        | CR 0603            |
| R774                | RG 1K5 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.6999.00            | DRALORIC        | CR 0603            |
| R775                | RG 1K5 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.6999.00            | DRALORIC        | CR 0603            |
| R776                | RG 20K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0010.9100.00            | PHILIPS_CO      | RC 22 H            |
| R777                | RG 2K74 +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0010.8410.00            | PHILIPS_CO      | RC 22 H            |
| R778                | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5357.00         | PHILIPS_CO      | RC 22 H            |
| R779                | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5357.00         | PHILIPS_CO      | RC 22 H            |
| R780                | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5357.00         | PHILIPS_CO      | RC 22 H            |
| R781                | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5357.00         | PHILIPS_CO      | RC 22 H            |
| R782                | RG 1K0 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5340.00         | PHILIPS_CO      | RC 22 H            |
| R783                | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5357.00         | PHILIPS_CO      | RC 22 H            |
| R784                | RG 1K0 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5340.00         | PHILIPS_CO      | RC 22 H            |
| R785                | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5357.00         | PHILIPS_CO      | RC 22 H            |
| ..792               | R793                                              | RG 470R +-1% TK100 0603 | 0009.6976.00    | DRALORIC CR 0603   |
| R794                | R795                                              | RG 10K +-1% TK100 0603  | RG 0009.5357.00 | PHILIPS_CO RC 22 H |
| R796                | R797                                              | RG 1K0 +-1% TK100 0603  | RG 0009.5340.00 | PHILIPS_CO RC 22 H |
| ..801               | R798                                              | RG 39R2 +-1% TK100 0603 | 0010.9400.00    | DRALORIC CR 0603   |
| R802                | R799                                              | RG 5R62 +-1% TK250 0603 | 0009.9100.00    | DRALORIC CR 0603   |
| R803                | R800                                              | RG 5R62 +-1% TK250 0603 | 0009.9100.00    | DRALORIC CR 0603   |
| R804                | R801                                              | RG 12R1+-1%TK100 0603   | 0010.9275.00    | PHILIPS_CO RC 22 H |
| R805                | R802                                              | RG 5R62 +-1% TK250 0603 | 0009.9100.00    | DRALORIC CR 0603   |
| R806                | R803                                              | RG 10K +-1% TK100 0603  | RG 0009.5357.00 | PHILIPS_CO RC 22 H |
| ..808               | R804                                              | RG 7K5 +-1% TK100 0603  | 0010.8440.00    | PHILIPS_CO RC 22 H |
| R809                | R805                                              | RG 4K7 +-1% TK100 0603  | 0009.7020.00    | PHILIPS_CO RC 22 H |
| R810                | R806                                              | RG 10K +-1% TK100 0603  | RG 0009.5357.00 | PHILIPS_CO RC 22 H |
| R811                | R807                                              | RG 10K +-1% TK100 0603  | RG 0009.5357.00 | PHILIPS_CO RC 22 H |
| R812                | R808                                              | RG 7K5 +-1% TK100 0603  | 0010.8440.00    | PHILIPS_CO RC 22 H |
| R813                | R809                                              | RG 10K +-1% TK100 0603  | RG 0009.5357.00 | PHILIPS_CO RC 22 H |
| R814                | R810                                              | RG 10K +-1% TK100 0603  | RG 0009.5357.00 | PHILIPS_CO RC 22 H |
| R815                | R811                                              | RG 10K +-1% TK100 0603  | RG 0009.5357.00 | PHILIPS_CO RC 22 H |
| R816                | R812                                              | RG 4K7 +-1% TK100 0603  | 0009.7020.00    | PHILIPS_CO RC 22 H |
|                     | R813                                              | SMD RESISTOR EIA0603    |                 |                    |

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| R817      | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603  | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H              |
| R818      | RG 7K5 +-1% TK100 0603<br>SMD RESISTOR EIA0603  | 0010.8440.00    | PHILIPS_CO   | RC 22 H              |
| R819      | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603  | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H              |
| R820      | RG 4K7 +-1% TK100 0603<br>SMD RESISTOR EIA0603  | 0009.7020.00    | PHILIPS_CO   | RC 22 H              |
| R821      | RG 15K +-1% TK100 0603<br>SMD RESISTOR EIA0603  | 0009.7043.00    | DRALORIC     | CR 0603              |
| ..823     | R824                                            | 0009.6930.00    | DRALORIC     | CR 0603              |
| R825      | RG 47K +-1% TK100 0603<br>SMD RESISTOR EIA0603  | 0009.7072.00    | PHILIPS_CO   | RC 22 H              |
| R826      | RG 47K +-1% TK100 0603<br>SMD RESISTOR EIA0603  | 0009.7072.00    | PHILIPS_CO   | RC 22 H              |
| R827      | RG 150K +-1% TK100 0603<br>SMD RESISTOR EIA0603 | 0009.7095.00    | PHILIPS_CO   | RC 22 H              |
| R828      | RG 150K +-1% TK100 0603<br>SMD RESISTOR EIA0603 | 0009.7095.00    | PHILIPS_CO   | RC 22 H              |
| R829      | RG 8K25 +-1% TK100 0603<br>SMD RESISTOR EIA0603 | 0010.8456.00    | PHILIPS_CO   | RC 22 H              |
| R830      | RG 8K25 +-1% TK100 0603<br>SMD RESISTOR EIA0603 | 0010.8456.00    | PHILIPS_CO   | RC 22 H              |
| R831      | RG 20K +-1% TK100 0603<br>SMD RESISTOR EIA0603  | 0010.9100.00    | PHILIPS_CO   | RC 22 H              |
| R832      | RG 20K +-1% TK100 0603<br>SMD RESISTOR EIA0603  | 0010.9100.00    | PHILIPS_CO   | RC 22 H              |
| R833      | RG 470R +-1% TK100 0603<br>SMD RESISTOR EIA0603 | 0009.6976.00    | DRALORIC     | CR 0603              |
| R834      | RG 470R +-1% TK100 0603<br>SMD RESISTOR EIA0603 | 0009.6976.00    | DRALORIC     | CR 0603              |
| R835      | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603  | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H              |
| R836      | RG 470R +-1% TK100 0603<br>SMD RESISTOR EIA0603 | 0009.6976.00    | DRALORIC     | CR 0603              |
| R837      | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603  | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H              |
| ..839     | R840                                            | 0009.6999.00    | DRALORIC     | CR 0603              |
| U1        | BJ DAC08CS 1X8-DAC                              | 6024.3137.00    | PMI          | DAC08C(S)            |
| ..6       | D/A-CONVERTER                                   |                 |              |                      |
| U7        | BO LM2903D 2XLP COMPAR                          | 0520.7734.00    | SIGNETICS    | LM2903(D)            |
|           | DUAL                                            |                 |              |                      |
| U8        | BM SM4T17-2 MIXER 3,4GHZ                        | 1085.1503.00    | WATKINS-JO   | WJ-SM4T17-2          |
|           | MIXER                                           |                 |              |                      |
| V1        | AE BZV55/C4V7 0.5W ZDI                          | AE 0006.9822.00 | PHILIPS      | BZV55B4V7            |
|           | ZENER DIODE                                     |                 |              |                      |
| V2        | AK BC860B P 45V 200MA                           | AK 0007.7975.00 | MOTOROLA     | BC860B               |
| ..18      | TRANSISTOR                                      |                 |              |                      |
| V19       | AE BAR64-04 CA 2X PIN                           | 1039.1327.00    | SIEMENS      | BAR6404 (Q62702-A101 |
|           | SILICON PIN DIODE                               |                 |              |                      |
| V20       | AK BC860B P 45V 200MA                           | AK 0007.7975.00 | MOTOROLA     | BC860B               |
|           | TRANSISTOR                                      |                 |              |                      |
| V21       | AK BC860B P 45V 200MA                           | AK 0007.7975.00 | MOTOROLA     | BC860B               |
|           | TRANSISTOR                                      |                 |              |                      |
| V22       | AE BAR64-04 CA 2X PIN                           | 1039.1327.00    | SIEMENS      | BAR6404 (Q62702-A101 |
|           | SILICON PIN DIODE                               |                 |              |                      |
| V23       | AK BC860B P 45V 200MA                           | AK 0007.7975.00 | MOTOROLA     | BC860B               |
| ..31      | TRANSISTOR                                      |                 |              |                      |
| V32       | AE BAR64-04 CA 2X PIN                           | 1039.1327.00    | SIEMENS      | BAR6404 (Q62702-A101 |
| ..55      | SILICON PIN DIODE                               |                 |              |                      |
| V56       | AE BZV55/C5V6 0.5W ZDI                          | AE 0006.9845.00 | PHILIPS      | BZV55B5V6            |
|           | ZENER DIODE                                     |                 |              |                      |
| V57       | AE BAT15-03W SCHOTTKY                           | 1085.1526.00    | SIEMENS      | BAT15-03W (-A1104)   |
| ..63      | SCHOTTKY DIODE                                  |                 |              |                      |
| V64       | AD BAS16 75V UDI                                | AD 0007.4924.00 | VALVO        | BAS16 (A6P)          |
| ..79      | HIGH-SPEED DIODE                                |                 |              |                      |
| V80       | AK BC860B P 45V 200MA                           | AK 0007.7975.00 | MOTOROLA     | BC860B               |
|           | TRANSISTOR                                      |                 |              |                      |
| V81       | AD BAS16 75V UDI                                | AD 0007.4924.00 | VALVO        | BAS16 (A6P)          |
|           | HIGH-SPEED DIODE                                |                 |              |                      |
| V82       | AD BAS16 75V UDI                                | AD 0007.4924.00 | VALVO        | BAS16 (A6P)          |
|           | HIGH-SPEED DIODE                                |                 |              |                      |
| V83       | AK BC860B P 45V 200MA                           | AK 0007.7975.00 | MOTOROLA     | BC860B               |
|           | TRANSISTOR                                      |                 |              |                      |

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95.0028-0693

| 1GPK                                                                                                              | 887 | 3PLU | Äl | Datum<br>Date | Schaltteilleiste für<br>Parts list for | Sachnummer<br>Stock No. | Blatt-Nr.<br>Page |
|-------------------------------------------------------------------------------------------------------------------|-----|------|----|---------------|----------------------------------------|-------------------------|-------------------|
| <br><b>ROHDE &amp; SCHWARZ</b> |     |      | 24 | 07.10.99      | EE IQ-CONVERTER<br>IQ-CONVERTER        | <b>1084.9300.01 SA</b>  | 39+               |

| Kennz.<br>Comp. No. | Benennung<br>Designation                                          | Stock No.       | Manufacturer | Designation           | contained in |
|---------------------|-------------------------------------------------------------------|-----------------|--------------|-----------------------|--------------|
| V84<br>..90         | AD BAS16 75V UDI<br>HIGH-SPEED DIODE                              | AD 0007.4924.00 | VALVO        | BAS16 (A6P)           |              |
| V91<br>..96         | AM CFY30 P-E 5V GAASF<br>0.1-12GHZ GAAS FET                       | 1068.9622.00    | SIEMENS      | CFY30 (-F97)          |              |
| V97                 | AK BC860B P 45V 200MA<br>TRANSISTOR                               | AK 0007.7975.00 | MOTOROLA     | BC860B                |              |
| V98                 | AK BC860B P 45V 200MA<br>TRANSISTOR                               | AK 0007.7975.00 | MOTOROLA     | BC860B                |              |
| V99                 | AD BAS16 75V UDI<br>HIGH-SPEED DIODE                              | AD 0007.4924.00 | VALVO        | BAS16 (A6P)           |              |
| V100<br>..102       | AM CFY30 P-E 5V GAASF<br>0.1-12GHZ GAAS FET                       | 1068.9622.00    | SIEMENS      | CFY30 (-F97)          |              |
| V103                | AD BAS16 75V UDI<br>HIGH-SPEED DIODE                              | AD 0007.4924.00 | VALVO        | BAS16 (A6P)           |              |
| V104                | AD BAS16 75V UDI<br>HIGH-SPEED DIODE                              | AD 0007.4924.00 | VALVO        | BAS16 (A6P)           |              |
| V105                | AD BAS16 75V UDI<br>HIGH-SPEED DIODE                              | AD 0007.4924.00 | VALVO        | BAS16 (A6P)           |              |
| V106                | AM SHF0186K 9V GAASF<br>0.5-4GHZ GAAS FET                         | 1085.1655.00    | STANFORD_M   | SHF-0186K4230TR       |              |
| V107                | AM SHF0186K 9V GAASF<br>0.5-4GHZ GAAS FET                         | 1085.1655.00    | STANFORD_M   | SHF-0186K4230TR       |              |
| V108                | AM SHF 186 SELECTED IP3<br>TRANSISTOR GAASFET                     | 1085.2239.00    |              |                       |              |
| V109                | AM SHF0186K 9V GAASF<br>0.5-4GHZ GAAS FET                         | 1085.1655.00    | STANFORD_M   | SHF-0186K4230TR       |              |
| V110<br>..113       | AE BZV55/C4V7 0.5W ZDI<br>ZENER DIODE                             | AE 0006.9822.00 | PHILIPS      | BZV55B4V7             |              |
| V114                | AM BSS123 N-E 100V MOSF<br>FET                                    | 0815.7961.00    | SIEMENS      | BSS 123 (-S512)       |              |
| V115                | AM BSS123 N-E 100V MOSF<br>FET                                    | 0815.7961.00    | SIEMENS      | BSS 123 (-S512)       |              |
| V116<br>..118       | AD BAV99 75V DUO UDI<br>HIGH-SPEED DOUBLE DIODE                   | AD 0911.0092.00 | VALVO        | BAV99                 |              |
| V119                | AE BZV55/C5V6 0.5W ZDI<br>ZENER DIODE                             | AE 0006.9845.00 | PHILIPS      | BZV55B5V6             |              |
| V120                | AE BZV55/C5V6 0.5W ZDI<br>ZENER DIODE                             | AE 0006.9845.00 | PHILIPS      | BZV55B5V6             |              |
| V121<br>..123       | AE BAR64 1X PIN<br>SILICON PIN DIODE                              | 1039.3059.00    | SIEMENS      | BAR64 (Q62702A1041)   |              |
| V124                | AE BZV55/C5V1 0.5W ZDI<br>ZENER DIODE                             | AE 0006.9839.00 | PHILIPS_SE   | BZV55B5V1 (GEG)       |              |
| V125                | AK BC860B P 45V 200MA<br>TRANSISTOR                               | AK 0007.7975.00 | MOTOROLA     | BC860B                |              |
| V126                | AK BC850B N 45V 200MA<br>TRANSISTOR                               | AK 0007.7969.00 | VALVO        | BC850B                |              |
| V127<br>..130       | NICHT BESTUECKT/NOT FITTED<br>AK BC850B N 45V 200MA<br>TRANSISTOR | AK 0007.7969.00 | VALVO        | BC850B                |              |
| V131<br>..144       | AE HSMS2800 SCHOTTKY<br>SCHOTTKY DIODE                            | AE 0836.8421.00 | HEWLETT_PA   | HSMS-2800(#L31)       |              |
| V145                | AE BAR64 1X PIN<br>SILICON PIN DIODE                              | 1039.3059.00    | SIEMENS      | BAR64 (Q62702A1041)   |              |
| V146                | AE HSMS2800 SCHOTTKY<br>SCHOTTKY DIODE                            | AE 0836.8421.00 | HEWLETT_PA   | HSMS-2800(#L31)       |              |
| V147<br>..150       | AK BFP450 NPN 4,5V 100MA<br>RF-TRANSISTOR NPN                     | 4048.1483.00    | SIEMENS      | BFP450 (-F1590)       |              |
| V151                | AK BCP68-16 N 20V TRANS<br>MEDIUM POWER TRANSISTOR                | 0008.2019.00    | PHILIPS      | BCP68-25              |              |
| V152                | AK BCP68-16 N 20V TRANS<br>MEDIUM POWER TRANSISTOR                | 0008.2019.00    | PHILIPS      | BCP68-25              |              |
| V153<br>..185       | AE BB833 9,3/0,75PF CDI<br>VARACTOR                               | 1051.4751.00    | SIEMENS      | BB833 (-B628)         |              |
| V186                | AK BFP450 NPN 4,5V 100MA<br>RF-TRANSISTOR NPN                     | 4048.1483.00    | SIEMENS      | BFP450 (-F1590)       |              |
| V187<br>..192       | AE BB535 18,7/2,1P CDI<br>TUNING DIODE                            | 1039.3107.00    | SIEMENS      | BB535/Q62702-B580     |              |
| V193                | AM SI9410DY N-E 30V MOSF<br>MOSFET                                | 1081.0354.00    | SILICONIX    | SI9410DY              |              |
| V194<br>..197       | NICHT BESTUECKT/NOT FITTED<br>AM SI9410DY N-E 30V MOSF<br>MOSFET  | 1081.0354.00    | SILICONIX    | SI9410DY              |              |
| V198<br>..201       | AE BB639 2.9/36.OP CDI<br>TUNING DIODE                            | 4032.4265.00    | SIEMENS      | BB639(-B586)          |              |
| V202                | AE BAR64-04 CA 2X PIN<br>SILICON PIN DIODE                        | 1039.1327.00    | SIEMENS      | BAR6404 (Q62702-A101) |              |
| V205                | AK BC860B P 45V 200MA<br>TRANSISTOR                               | AK 0007.7975.00 | MOTOROLA     | BC860B                |              |

| 1GPK                                                                                                           | 887 3PLU | Äi | Datum<br>Date | Schaltteilliste für<br>Parts list for | Sechnummer<br>Stock No. | Blatt-Nr.<br>Page |
|----------------------------------------------------------------------------------------------------------------|----------|----|---------------|---------------------------------------|-------------------------|-------------------|
|  <b>ROHDE &amp; SCHWARZ</b> |          | 24 | 07.10.99      | EE IQ-CONVERTER<br>IQ-CONVERTER       | <b>1084.9300.01 SA</b>  | 40+               |

| Comp. No.                                                                                                      | Designation                                                                                                                                                     | Stock No.                                                                              | Manufacturer                              | Designation                                                           | Contained in             |
|----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-------------------------------------------|-----------------------------------------------------------------------|--------------------------|
| V206<br>..208<br>V209<br>..211<br>V212<br>..217<br>V218                                                        | AD BAS16 75V UDI<br>HIGH-SPEED DIODE<br>AE HSMS2800 SCHOTTKY<br>SCHOTTKY DIODE<br>AE BB833 9,3/0,75PF CDI<br>VARACTOR<br>AE BB535 18,7/2,1P CDI<br>TUNING DIODE | AD 0007.4924.00<br>AE 0836.8421.00<br>1051.4751.00<br>1039.3107.00<br><br>1084.9398.00 | VALVO<br>HEWLETT_PA<br>SIEMENS<br>SIEMENS | BAS16 (A6P)<br>HSMS-2800 (#L31)<br>BB833 (-B628)<br>BB535/Q62702-B580 |                          |
| W22                                                                                                            | DW HF-KABEL W2                                                                                                                                                  |                                                                                        |                                           |                                                                       |                          |
| X1<br>..7<br>X220                                                                                              | FJ EINLOETBUCHSE MMCX SMD<br>CONNECTOR<br>FP STECKERLEISTE 32POL.<br>CONNECTOR 32P.                                                                             | 1075.4045.00<br>FP 0008.5718.00                                                        | SUHNER<br>DEUT_ELCO                       | 82MMCX-S50-O-51/1110<br>16 8457 064 002 027                           |                          |
| X221                                                                                                           | FJ EINLOETBUCHSE SMA<br>CONNECTOR                                                                                                                               | 1085.1726.00                                                                           | SUHNER                                    | 82SMA-S-50-O-45/111N                                                  |                          |
| X223                                                                                                           | FJ EINLOETBUCHSE MMCX<br>CONNECTOR                                                                                                                              | 1085.1532.00                                                                           | SUHNER                                    | 82MMCXS50-O-2/111KG                                                   |                          |
| X227                                                                                                           | FJ EINLOETBUCHSE SMA<br>CONNECTOR                                                                                                                               | 1085.1726.00                                                                           | SUHNER                                    | 82SMA-S-50-O-45/111N                                                  |                          |
| X22A                                                                                                           | FJ EINLOETBUCHSE MMCX SMD<br>CONNECTOR                                                                                                                          | 1085.2045.00                                                                           | SUHNER                                    | 82 MMCX-50-O-8/111                                                    |                          |
| X22B                                                                                                           | FJ EINLOETBUCHSE MMCX SMD<br>CONNECTOR                                                                                                                          | 1085.2045.00                                                                           | SUHNER                                    | 82 MMCX-50-O-8/111                                                    |                          |
| Z1<br>..9<br>Z10<br>..15<br>Z16<br>..18                                                                        | LD T-FILTER 3,3NF SMD<br>SMD-FILTER<br>LD T-FILTER 100PF SMD<br>SMD-FILTER<br>LD PI-FILTER 2X1NF SMD<br>SMD-CERAMIC-PI-FILTER                                   | 1039.1362.00<br>1039.1356.00<br>4024.7152.00                                           | MURATA<br>MURATA<br>TUSONIX               | NFM61R20T332T1<br>NFM61ROOT101T1<br>4700-003                          |                          |
| 1GPK                                                                                                           | 887 3PLU                                                                                                                                                        | ÄI                                                                                     | Datum<br>Date                             | Schaltteilliste für<br>Parts list for                                 | Sachnummer<br>Stock No.  |
|  <b>ROHDE &amp; SCHWARZ</b> | 24                                                                                                                                                              | 07.10.99                                                                               | EE IQ-CONVERTER<br>IQ-CONVERTER           | <b>1084.9300.01 SA</b>                                                | Blatt-Nr.<br>Page<br>41- |





## **XY-Liste**

## **XY List**

### **Erklärung der Spaltenbezeichnungen:**

|                    |                                                                                                    |
|--------------------|----------------------------------------------------------------------------------------------------|
| <b>el. Kennz.</b>  | <b>Bauelement-Kennzeichen</b>                                                                      |
| <b>Seite</b>       | <b>Leiterplatten-Seite, auf der sich das Bauelement befindet</b>                                   |
| <b>X/Y</b>         | <b>Koordinaten (in Millimeter) des Bauelementes auf der Leiterplatte bezogen auf den Nullpunkt</b> |
| <b>Planq., Bl.</b> | <b>Planquadrat und Seite des Schaltbildes für das jeweilige Bauelement</b>                         |

### **Explanation of column designations:**

|                |                                                                                                          |
|----------------|----------------------------------------------------------------------------------------------------------|
| <b>Part</b>    | <b>Identification of instrument part</b>                                                                 |
| <b>Side</b>    | <b>Side of the PC board on which instrument part is positioned</b>                                       |
| <b>X/Y</b>     | <b>Coordinates (in units of millimeters) of the component on the PC board in reference to zero point</b> |
| <b>Sqr, Pg</b> | <b>Square and page of the diagram for the respective instrument part</b>                                 |



# Nicht-SERVICE-Relevante Bauteile / Non-SERVICE-Relevant Components

| el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg |
|--------------------|---------------|-----|-----|---------------|-----------|--------------------|---------------|-----|-----|---------------|-----------|--------------------|---------------|-----|-----|---------------|-----------|
| C1                 | B             | 107 | 51  | 4C            | 16        | C75                | B             | 192 | 62  | 6C            | 11        | C149               | B             | 85  | 110 | 2D            | 6         |
| C2                 | B             | 112 | 51  | 4D            | 16        | C76                | B             | 200 | 82  | 7A            | 11        | C150               | A             | 30  | 94  | 8F            | 2         |
| C3                 | B             | 128 | 41  | 4D            | 16        | C77                | B             | 202 | 79  | 7A            | 11        | C151               | A             | 48  | 95  | 8E            | 2         |
| C4                 | B             | 123 | 41  | 4E            | 16        | C78                | B             | 174 | 61  | 5D            | 11        | C152               | A             | 33  | 101 | 9D            | 2         |
| C5                 | B             | 293 | 89  | 7B            | 8         | C79                | B             | 264 | 77  | 7B            | 12        | C153               | A             | 30  | 90  | 7E            | 2         |
| C6                 | B             | 293 | 82  | 8B            | 8         | C80                | B             | 265 | 82  | 7A            | 12        | C154               | A             | 36  | 87  | 7D            | 2         |
| C7                 | B             | 106 | 135 | 7C            | 6         | C81                | B             | 239 | 79  | 5C            | 12        | C155               | A             | 19  | 107 | 3E            | 5         |
| C8                 | B             | 109 | 131 | 7C            | 6         | C82                | B             | 241 | 76  | 5C            | 12        | C156               | A             | 35  | 117 | 6E            | 5         |
| C9                 | B             | 292 | 105 | 6B            | 8         | C83                | B             | 252 | 80  | 6C            | 12        | C157               | A             | 34  | 122 | 6F            | 5         |
| C10                | B             | 78  | 24  | 5C            | 3         | C84                | B             | 252 | 76  | 6B            | 12        | C158               | B             | 53  | 129 | 10C           | 5         |
| C11                | B             | 45  | 48  | 3C            | 4         | C85                | B             | 155 | 85  | 4C            | 11        | C159               | A             | 57  | 114 | 10D           | 5         |
| C12                | B             | 235 | 129 | 7B            | 7         | C86                | B             | 163 | 66  | 3A            | 11        | C160               | A             | 52  | 131 | 8D            | 5         |
| C13                | B             | 293 | 93  | 7B            | 8         | C87                | B             | 163 | 71  | 3A            | 11        | C161               | A             | 58  | 132 | 8E            | 5         |
| C14                | B             | 106 | 139 | 6C            | 6         | C88                | B             | 164 | 85  | 4C            | 11        | C162               | A             | 24  | 131 | 4F            | 5         |
| C15                | B             | 19  | 50  | 4D            | 2         | C89                | B             | 291 | 26  | 6B            | 13        | C163               | A             | 22  | 135 | 4E            | 5         |
| C16                | B             | 20  | 56  | 4D            | 2         | C90                | B             | 294 | 12  | 6D            | 13        | C164               | A             | 21  | 87  | 2E            | 5         |
| C17                | B             | 19  | 60  | 5D            | 2         | C91                | B             | 294 | 17  | 6C            | 13        | C165               | A             | 43  | 105 | 2D            | 5         |
| C18                | B             | 25  | 73  | 6D            | 2         | C92                | B             | 286 | 26  | 6B            | 13        | C166               | A             | 179 | 96  | 4E            | 9         |
| C19                | B             | 22  | 74  | 6D            | 2         | C93                | B             | 286 | 53  | 2B            | 13        | C167               | A             | 156 | 100 | 2E            | 9         |
| C20                | B             | 20  | 32  | 4C            | 2         | C94                | B             | 291 | 53  | 2B            | 13        | C168               | A             | 166 | 116 | 2F            | 9         |
| C21                | B             | 24  | 28  | 4B            | 2         | C95                | B             | 257 | 51  | 2D            | 13        | C169               | A             | 196 | 93  | 4F            | 9         |
| C22                | B             | 45  | 89  | 8B            | 2         | C96                | B             | 259 | 54  | 2D            | 13        | C170               | A             | 204 | 96  | 4E            | 9         |
| C23                | B             | 36  | 86  | 8C            | 2         | C97                | B             | 273 | 43  | 3B            | 13        | C171               | A             | 237 | 115 | 2F            | 10        |
| C24                | B             | 31  | 86  | 8C            | 2         | C98                | B             | 269 | 44  | 3C            | 13        | C172               | A             | 244 | 105 | 2E            | 10        |
| C25                | B             | 50  | 89  | 8A            | 2         | C99                | B             | 226 | 109 | 1C            | 10        | C173               | A             | 194 | 132 | 4D            | 7         |
| C26                | B             | 21  | 36  | 4C            | 2         | C100               | B             | 238 | 124 | 8C            | 7         | C174               | A             | 166 | 132 | 2E            | 7         |
| C27                | B             | 24  | 32  | 4A            | 2         | C101               | B             | 274 | 11  | 8B            | 13        | C175               | A             | 217 | 131 | 4E            | 7         |
| C28                | B             | 50  | 118 | 10B           | 5         | C102               | B             | 272 | 14  | 8B            | 13        | C176               | A             | 268 | 140 | 2E            | 8         |
| C29                | B             | 44  | 120 | 10A           | 5         | C103               | B             | 261 | 28  | 9B            | 13        | C177               | A             | 216 | 140 | 3F            | 7         |
| C30                | B             | 35  | 142 | 8A            | 5         | C104               | B             | 266 | 25  | 9B            | 13        | C178               | A             | 254 | 139 | 2F            | 8         |
| C31                | B             | 38  | 132 | 8C            | 5         | C105               | B             | 85  | 137 | 4D            | 6         | C179               | A             | 176 | 141 | 2F            | 7         |
| C32                | B             | 30  | 142 | 8B            | 5         | C106               | B             | 91  | 138 | 4C            | 6         | C180               | A             | 174 | 67  | 4E            | 11        |
| C33                | B             | 35  | 132 | 8C            | 5         | C107               | B             | 115 | 141 | 6B            | 6         | C181               | A             | 224 | 63  | 2F            | 12        |
| C34                | B             | 13  | 97  | 3B            | 5         | C108               | B             | 110 | 141 | 6B            | 6         | C182               | A             | 220 | 77  | 2E            | 12        |
| C35                | B             | 13  | 95  | 3B            | 5         | C109               | B             | 106 | 117 | 3B            | 6         | C183               | A             | 187 | 69  | 4E            | 11        |
| C36                | B             | 24  | 89  | 3D            | 5         | C110               | B             | 101 | 117 | 3B            | 6         | C184               | A             | 152 | 72  | 2E            | 11        |
| C37                | B             | 20  | 93  | 3C            | 5         | C111               | B             | 87  | 134 | 4D            | 6         | C185               | A             | 151 | 83  | 2F            | 11        |
| C38                | B             | 13  | 114 | 5A            | 5         | C112               | B             | 86  | 128 | 4D            | 6         | C186               | A             | 188 | 62  | 4F            | 11        |
| C39                | B             | 13  | 113 | 5B            | 5         | C113               | B             | 208 | 82  | 8C            | 11        | C187               | A             | 260 | 52  | 8D            | 13        |
| C40                | B             | 13  | 108 | 4D            | 5         | C114               | B             | 274 | 38  | 4D            | 13        | C188               | A             | 275 | 53  | 7D            | 13        |
| C41                | B             | 13  | 103 | 4C            | 5         | C115               | B             | 285 | 33  | 5C            | 13        | C189               | A             | 283 | 50  | 6E            | 13        |
| C42                | B             | 23  | 117 | 5C            | 5         | C116               | B             | 285 | 37  | 5B            | 13        | C190               | A             | 299 | 53  | 5E            | 13        |
| C43                | B             | 28  | 116 | 5C            | 5         | C117               | B             | 60  | 55  | 10C           | 3         | C191               | A             | 289 | 33  | 7D            | 13        |
| C44                | B             | 14  | 133 | 6B            | 5         | C118               | B             | 56  | 55  | 10C           | 3         | C192               | A             | 283 | 41  | 7E            | 13        |
| C45                | B             | 13  | 136 | 6A            | 5         | C119               | B             | 58  | 42  | 10B           | 3         | C193               | B             | 248 | 27  | 10C           | 13        |
| C46                | B             | 38  | 122 | 9C            | 5         | C120               | B             | 57  | 37  | 10A           | 3         | C194               | A             | 247 | 15  | 11E           | 13        |
| C47                | B             | 40  | 119 | 9C            | 5         | C121               | B             | 93  | 41  | 7C            | 3         | C195               | A             | 263 | 34  | 11D           | 13        |
| C48                | B             | 179 | 92  | 4C            | 9         | C122               | B             | 40  | 27  | 2B            | 3         | C196               | A             | 269 | 53  | 8C            | 13        |
| C49                | B             | 167 | 95  | 3A            | 9         | C123               | B             | 51  | 25  | 3B            | 3         | C197               | A             | 288 | 53  | 6D            | 13        |
| C50                | B             | 167 | 100 | 3A            | 9         | C124               | B             | 52  | 28  | 3B            | 3         | C198               | A             | 276 | 12  | 3E            | 13        |
| C51                | B             | 170 | 115 | 4C            | 9         | C125               | B             | 44  | 27  | 2B            | 3         | C199               | A             | 290 | 16  | 3F            | 13        |
| C52                | B             | 164 | 114 | 4C            | 9         | C126               | B             | 73  | 26  | 4D            | 3         | C200               | A             | 272 | 37  | 7E            | 13        |
| C53                | B             | 222 | 92  | 8A            | 9         | C127               | B             | 87  | 17  | 5D            | 3         | C201               | A             | 259 | 41  | 7F            | 13        |
| C54                | B             | 222 | 96  | 8A            | 9         | C128               | B             | 87  | 12  | 4D            | 3         | C202               | B             | 239 | 38  | 3D            | 14        |
| C55                | B             | 209 | 108 | 6B            | 9         | C129               | B             | 71  | 12  | 4D            | 3         | C203               | B             | 223 | 43  | 7F            | 14        |
| C56                | B             | 210 | 114 | 6C            | 9         | C130               | B             | 71  | 17  | 4D            | 3         | C204               | B             | 220 | 50  | 6E            | 14        |
| C57                | B             | 271 | 118 | 6C            | 10        | C131               | B             | 91  | 20  | 6C            | 3         | C205               | A             | 112 | 63  | 8B            | 15        |
| C58                | B             | 268 | 114 | 6C            | 10        | C132               | B             | 91  | 16  | 6C            | 3         | C206               | A             | 104 | 79  | 11B           | 15        |
| C59                | B             | 280 | 108 | 7B            | 10        | C133               | B             | 79  | 34  | 6B            | 3         | C207               | A             | 122 | 79  | 8D            | 15        |
| C60                | B             | 280 | 112 | 7B            | 10        | C134               | B             | 83  | 31  | 6B            | 3         | C208               | A             | 119 | 65  | 11D           | 15        |
| C61                | B             | 168 | 136 | 3C            | 7         | C135               | B             | 89  | 49  | 8B            | 3         | C209               | A             | 126 | 69  | 10E           | 15        |
| C62                | B             | 170 | 142 | 3C            | 7         | C136               | B             | 91  | 52  | 8B            | 3         | C210               | A             | 75  | 77  | 3B            | 15        |
| C63                | B             | 180 | 136 | 4B            | 7         | C137               | B             | 34  | 60  | 5B            | 4         | C211               | A             | 72  | 73  | 6B            | 15        |
| C64                | B             | 180 | 140 | 4B            | 7         | C138               | B             | 34  | 61  | 5B            | 4         | C212               | B             | 249 | 39  | 6B            | 17        |
| C65                | B             | 217 | 137 | 6D            | 7         | C139               | B             | 35  | 45  | 4C            | 4         | C213               | A             | 90  | 106 | 6B            | 17        |
| C66                | B             | 221 | 135 | 6C            | 7         | C140               | B             | 36  | 48  | 4C            | 4         | C214               | A             | 252 | 51  | 6A            | 17        |
| C67                | B             | 234 | 140 | 7B            | 7         | C141               | B             | 52  | 41  | 3D            | 4         | C215               | B             | 252 | 46  | 6A            | 17        |
| C68                | B             | 234 | 135 | 7B            | 7         | C142               | B             | 50  | 50  | 3D            | 4         | C216               | A             | 107 | 113 | 7C            | 17        |
| C69                | B             | 187 | 136 | 4C            | 7         | C143               | B             | 39  | 38  | 3D            | 4         | C217               | A             | 99  | 109 | 6C            | 17        |
| C70                | B             | 296 | 109 | 6B            | 8         | C144               | B             | 34  | 55  | 5B            | 4         | C218               | B             | 77  | 106 | 6C            | 17        |
| C71                | B             | 299 | 107 | 6B            | 8         | C145               | B             | 58  | 115 | 11C           | 5         | C219               | A             | 169 | 63  | 6F            | 17        |
| C72                | B             | 286 | 123 | 5C            | 8         | C146               | B             | 160 | 108 | 2C            | 9         | C220               | A             | 254 | 125 | 7E            | 17        |
| C73                | B             | 279 | 123 | 5D            | 8         | C147               | B             | 297 | 23  | 6C            | 13        | C221               | A             | 246 | 128 | 6E            | 17        |
| C74                | B             | 191 | 68  | 6C            | 11        | C148               | B             | 254 | 15  | 10C           | 13        | C222               | B             | 211 | 61  | 6D            | 17        |

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**ROHDE & SCHWARZ**

Benennung: EE IQ-CONVERTER  
Designation: IQ-CONVERTER

Sprache:  
Lang.: de

Blatt:  
Sh.: 1 +

Aei:  
C.I.: 04.05

Typ: SMIQ  
Type:

Datum: 99-02-03  
Date:

Abschnitt: 1GPK  
Dpt:

Name: BU  
Name:

Sachnr.: 1084.9300.01 XY  
Part No.:



# Nicht-Service-Relevante Bauteile / Non-Service-Relevant Components

| el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg |
|--------------------|---------------|-----|-----|---------------|-----------|--------------------|---------------|-----|-----|---------------|-----------|--------------------|---------------|-----|-----|---------------|-----------|
| C223               | A             | 251 | 93  | 8E            | 17        | C297               | A             | 96  | 90  | 8B            | 15        | C371               | B             | 133 | 112 | 11B           | 6         |
| C224               | A             | 255 | 93  | 9E            | 17        | C298               | A             | 112 | 90  | 10B           | 15        | C372               | A             | 234 | 107 | 1E            | 10        |
| C225               | A             | 197 | 66  | 9E            | 17        | C299               | A             | 127 | 91  | 8D            | 15        | C373               | B             | 273 | 114 | 6C            | 10        |
| C226               | A             | 200 | 63  | 10E           | 17        | C300               | A             | 127 | 78  | 10D           | 15        | C374               | B             | 280 | 99  | 7C            | 10        |
| C227               | A             | 57  | 74  | 9C            | 17        | C301               | A             | 82  | 78  | 2B            | 15        | C375               | B             | 271 | 92  | 8C            | 10        |
| C228               | A             | 91  | 57  | 9D            | 17        | C302               | B             | 111 | 119 | 8C            | 6         | C376               | B             | 282 | 85  | 8C            | 10        |
| C229               | B             | 83  | 60  | 9D            | 17        | C303               | B             | 120 | 126 | 8C            | 6         | C377               | B             | 193 | 94  | 5B            | 9         |
| C230               | A             | 47  | 28  | 10D           | 17        | C304               | B             | 107 | 138 | 6C            | 6         | C378               | B             | 165 | 106 | 2B            | 9         |
| C231               | B             | 74  | 60  | 10D           | 17        | C305               | B             | 87  | 122 | 4D            | 6         | C379               | B             | 171 | 106 | 3B            | 9         |
| C232               | A             | 149 | 62  | 6F            | 17        | C306               | B             | 94  | 126 | 4C            | 6         | C380               | B             | 176 | 106 | 4B            | 9         |
| C233               | B             | 58  | 87  | 10A           | 17        | C307               | B             | 99  | 114 | 2C            | 6         | C381               | B             | 35  | 98  | 2C            | 5         |
| C234               | B             | 63  | 101 | 10B           | 17        | C308               | B             | 119 | 109 | 9B            | 6         | C382               | B             | 214 | 110 | 7B            | 9         |
| C235               | A             | 54  | 87  | 10A           | 17        | C309               | B             | 131 | 121 | 10B           | 6         | C383               | B             | 174 | 136 | 3C            | 7         |
| C236               | A             | 58  | 89  | 10A           | 17        | C310               | B             | 129 | 126 | 10B           | 6         | C384               | B             | 225 | 137 | 7C            | 7         |
| C237               | A             | 53  | 99  | 11B           | 17        | C311               | B             | 93  | 36  | 7C            | 3         | C385               | B             | 300 | 114 | 6C            | 8         |
| C238               | A             | 51  | 99  | 10B           | 17        | C312               | B             | 37  | 22  | 2C            | 3         | C386               | B             | 172 | 77  | 4B            | 11        |
| C239               | A             | 113 | 141 | 5F            | 6         | C313               | B             | 48  | 15  | 3C            | 3         | C387               | B             | 166 | 77  | 3B            | 11        |
| C240               | A             | 108 | 131 | 5E            | 6         | C314               | B             | 68  | 15  | 4C            | 3         | C388               | B             | 161 | 77  | 3B            | 11        |
| C241               | A             | 293 | 35  | 8D            | 13        | C315               | B             | 84  | 26  | 6B            | 3         | C389               | B             | 196 | 69  | 6B            | 11        |
| C242               | A             | 92  | 127 | 3E            | 6         | C316               | B             | 82  | 44  | 7C            | 3         | C390               | B             | 27  | 96  | 2C            | 5         |
| C243               | A             | 80  | 135 | 3F            | 6         | C317               | B             | 86  | 46  | 8B            | 3         | C391               | B             | 241 | 65  | 5C            | 12        |
| C244               | A             | 265 | 35  | 7E            | 13        | C318               | B             | 61  | 45  | 10B           | 3         | C392               | B             | 245 | 80  | 5C            | 12        |
| C245               | B             | 107 | 119 | 8D            | 6         | C319               | B             | 36  | 56  | 5B            | 4         | C393               | B             | 249 | 62  | 6C            | 12        |
| C246               | B             | 101 | 127 | 7D            | 6         | C320               | A             | 105 | 71  | 4F            | 14        | C394               | B             | 257 | 66  | 7B            | 12        |
| C247               | B             | 98  | 129 | 7D            | 6         | C321               | A             | 77  | 89  | 5A            | 15        | C395               | B             | 289 | 13  | 6C            | 13        |
| C248               | A             | 121 | 113 | 9D            | 6         | C322               | A             | 93  | 89  | 8A            | 15        | C396               | B             | 279 | 24  | 6C            | 13        |
| C249               | A             | 61  | 60  | 6E            | 3         | C323               | A             | 108 | 89  | 11A           | 15        | C397               | B             | 263 | 49  | 2D            | 13        |
| C250               | A             | 79  | 16  | 3E            | 3         | C324               | A             | 123 | 90  | 8C            | 15        | C398               | B             | 283 | 44  | 2A            | 13        |
| C251               | A             | 68  | 37  | 5E            | 3         | C325               | A             | 124 | 73  | 11C           | 15        | C399               | B             | 278 | 46  | 2A            | 13        |
| C252               | A             | 42  | 23  | 2E            | 3         | C326               | A             | 77  | 76  | 3A            | 15        | C400               | B             | 282 | 51  | 2C            | 13        |
| C253               | A             | 47  | 17  | 2F            | 3         | C327               | A             | 257 | 21  | 10D           | 13        | C401               | B             | 267 | 47  | 3C            | 13        |
| C254               | B             | 37  | 79  | 7C            | 4         | C328               | A             | 250 | 32  | 10E           | 13        | C402               | B             | 276 | 53  | 2C            | 13        |
| C255               | B             | 32  | 77  | 7C            | 4         | C329               | B             | 113 | 69  | 2E            | 15        | C403               | B             | 271 | 53  | 2D            | 13        |
| C256               | A             | 38  | 45  | 3E            | 4         | C330               | B             | 76  | 89  | 2E            | 15        | C404               | A             | 230 | 105 | 2E            | 10        |
| C257               | B             | 20  | 117 | 5C            | 5         | C331               | B             | 50  | 126 | 10B           | 5         | C405               | A             | 235 | 130 | 7D            | 7         |
| C258               | B             | 39  | 126 | 9C            | 5         | C332               | B             | 20  | 128 | 6B            | 5         | C406               | A             | 237 | 130 | 7D            | 7         |
| C259               | B             | 274 | 19  | 8C            | 13        | C333               | B             | 277 | 104 | 7B            | 10        | C407               | B             | 92  | 126 | 4C            | 6         |
| C260               | B             | 151 | 108 | 1B            | 9         | C334               | B             | 177 | 82  | 5C            | 11        | C408               | B             | 92  | 120 | 3C            | 6         |
| C261               | B             | 261 | 109 | 5B            | 10        | C335               | B             | 178 | 63  | 4D            | 11        | C409               | B             | 92  | 115 | 3C            | 6         |
| C262               | B             | 267 | 109 | 5B            | 10        | C336               | B             | 265 | 73  | 7B            | 12        | C410               | A             | 206 | 74  | 7C            | 11        |
| C263               | B             | 64  | 49  | 9B            | 3         | C337               | B             | 261 | 19  | 9C            | 13        | C411               | A             | 203 | 78  | 6C            | 11        |
| C264               | B             | 89  | 24  | 6B            | 3         | C338               | A             | 65  | 121 | 11D           | 5         | C412               | A             | 286 | 31  | 3E            | 13        |
| C265               | B             | 41  | 53  | 4B            | 4         | C339               | B             | 81  | 21  | 5C            | 3         | C413               | B             | 83  | 58  | 8C            | 3         |
| C266               | A             | 65  | 126 | 11D           | 5         | C340               | B             | 42  | 45  | 4C            | 4         | C414               | B             | 76  | 39  | 8C            | 3         |
| C267               | B             | 57  | 133 | 10D           | 5         | C341               | B             | 22  | 103 | 4C            | 5         | C415               | B             | 70  | 54  | 9C            | 3         |
| C268               | B             | 59  | 132 | 11D           | 5         | C342               | B             | 152 | 79  | 2B            | 11        | C416               | B             | 49  | 75  | 6C            | 4         |
| C269               | B             | 209 | 103 | 6B            | 9         | C343               | B             | 190 | 73  | 6B            | 11        | C417               | B             | 33  | 70  | 6C            | 4         |
| C270               | B             | 209 | 130 | 6C            | 7         | C344               | B             | 89  | 31  | 7C            | 3         | C418               | B             | 49  | 64  | 6C            | 4         |
| C271               | B             | 155 | 131 | 2C            | 7         | C345               | B             | 55  | 50  | 10C           | 3         | C419               | A             | 55  | 140 | 10D           | 5         |
| C272               | B             | 202 | 74  | 7B            | 11        | C346               | B             | 41  | 61  | 5C            | 4         | C420               | B             | 291 | 87  | 7C            | 8         |
| C273               | B             | 137 | 24  | 2C            | 17        | C347               | B             | 153 | 76  | 2C            | 11        | C421               | A             | 255 | 36  | 9E            | 13        |
| C274               | B             | 116 | 24  | 2C            | 17        | C348               | B             | 190 | 76  | 5B            | 11        | C422               | B             | 108 | 134 | 7C            | 6         |
| C275               | A             | 50  | 125 | 8D            | 5         | C349               | A             | 177 | 94  | 3D            | 9         | C423               | B             | 179 | 104 | 4B            | 9         |
| C276               | B             | 18  | 110 | 5B            | 5         | C350               | A             | 195 | 134 | 3D            | 7         | C424               | B             | 154 | 108 | 1B            | 9         |
| C277               | A             | 42  | 85  | 8D            | 2         | C351               | A             | 171 | 65  | 3D            | 11        | C425               | B             | 264 | 109 | 5B            | 10        |
| C278               | B             | 164 | 99  | 2B            | 9         | C352               | A             | 132 | 47  | 2D            | 16        | C426               | B             | 205 | 100 | 6B            | 9         |
| C279               | B             | 176 | 104 | 4B            | 9         | C353               | A             | 134 | 61  | 2C            | 16        | C427               | B             | 176 | 75  | 4B            | 11        |
| C280               | B             | 173 | 112 | 4B            | 9         | C354               | A             | 123 | 107 | 9D            | 6         | C428               | B             | 155 | 79  | 2C            | 11        |
| C281               | B             | 267 | 106 | 5C            | 10        | C355               | A             | 62  | 58  | 6E            | 3         | C429               | B             | 149 | 80  | 1B            | 11        |
| C282               | B             | 181 | 112 | 4B            | 9         | C356               | B             | 18  | 78  | 6C            | 2         | C430               | B             | 187 | 71  | 5B            | 11        |
| C283               | B             | 182 | 94  | 4C            | 9         | C357               | B             | 138 | 112 | 11B           | 6         | C431               | B             | 107 | 125 | 7D            | 6         |
| C284               | B             | 223 | 101 | 8B            | 9         | C358               | B             | 94  | 137 | 5C            | 6         | C432               | B             | 83  | 22  | 5C            | 3         |
| C285               | B             | 157 | 105 | 2C            | 9         | C359               | B             | 43  | 78  | 7C            | 4         | C433               | B             | 41  | 48  | 4C            | 4         |
| C286               | B             | 190 | 135 | 4C            | 7         | C360               | B             | 182 | 130 | 4B            | 7         | C434               | B             | 154 | 109 | 1B            | 9         |
| C287               | B             | 193 | 138 | 5C            | 7         | C361               | B             | 202 | 130 | 5C            | 7         | C435               | B             | 264 | 110 | 5B            | 10        |
| C288               | B             | 294 | 92  | 7C            | 8         | C362               | B             | 293 | 78  | 8B            | 8         | C436               | B             | 51  | 15  | 3C            | 3         |
| C289               | B             | 169 | 83  | 4B            | 11        | C363               | B             | 149 | 131 | 2C            | 7         | C437               | A             | 15  | 107 | 2E            | 5         |
| C290               | B             | 172 | 75  | 4B            | 11        | C364               | B             | 252 | 71  | 6B            | 12        | C438               | A             | 32  | 120 | 5E            | 5         |
| C291               | B             | 160 | 70  | 2B            | 11        | C365               | B             | 14  | 31  | 3C            | 2         | C439               | A             | 18  | 135 | 4E            | 5         |
| C292               | B             | 122 | 111 | 9B            | 6         | C366               | B             | 25  | 20  | 3B            | 2         | C440               | A             | 19  | 85  | 1E            | 5         |
| C293               | B             | 277 | 19  | 8C            | 13        | C367               | B             | 46  | 92  | 8B            | 2         | C441               | A             | 148 | 102 | 1E            | 9         |
| C294               | A             | 248 | 25  | 10D           | 13        | C368               | B             | 31  | 92  | 8C            | 2         | C442               | A             | 200 | 96  | 3E            | 9         |
| C295               | A             | 259 | 25  | 11D           | 13        | C369               | B             | 24  | 143 | 8B            | 5         | C443               | A             | 244 | 101 | 1E            | 10        |
| C296               | A             | 81  | 91  | 5B            | 15        | C370               | B             | 29  | 128 | 8C            | 5         | C444               | A             | 170 | 134 | 1E            | 7         |

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|----------------------------|--|-----------------------------------|--|------------------------|--|-------------------|--|---------------------------------|--|
| <b>ROHDE &amp; SCHWARZ</b> |  | Benennung: <b>EE IQ-CONVERTER</b> |  | Sprache: <b>de</b>     |  | Blatt: <b>2 +</b> |  | Aei: <b>04.05</b>               |  |
|                            |  | Designation: <b>IQ-CONVERTER</b>  |  |                        |  |                   |  |                                 |  |
| Typ: <b>SMIQ</b>           |  | Datum: <b>99-02-03</b>            |  | Abteilung: <b>1GPK</b> |  | Name: <b>BU</b>   |  | Sachnr.: <b>1084.9300.01 XY</b> |  |
|                            |  |                                   |  |                        |  |                   |  | Part No.:                       |  |



# Nicht-Servicerelevante Bauteile / Non-Service-Relevant Components

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| el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg |
|--------------------|---------------|-----|-----|---------------|-----------|--------------------|---------------|-----|-----|---------------|-----------|--------------------|---------------|-----|-----|---------------|-----------|
| C445               | A             | 222 | 133 | 3E            | 7         | C519               | B             | 73  | 22  | 4C            | 3         | C593               | B             | 241 | 116 | 3D            | 10        |
| C446               | A             | 276 | 143 | 1E            | 8         | C520               | B             | 50  | 47  | 3C            | 4         | C594               | B             | 239 | 109 | 3D            | 10        |
| C447               | A             | 212 | 78  | 1E            | 12        | C521               | B             | 22  | 15  | 2B            | 2         | C595               | B             | 271 | 142 | 3B            | 8         |
| C448               | A             | 185 | 67  | 3E            | 11        | C522               | B             | 45  | 101 | 9B            | 2         | C596               | B             | 269 | 140 | 3B            | 8         |
| C449               | A             | 144 | 74  | 1E            | 11        | C523               | B             | 24  | 25  | 4B            | 2         | C597               | B             | 259 | 141 | 2C            | 8         |
| C450               | A             | 270 | 13  | 3E            | 13        | C524               | B             | 17  | 33  | 4C            | 2         | C598               | B             | 258 | 134 | 2C            | 8         |
| C451               | A             | 289 | 27  | 2D            | 13        | C525               | B             | 42  | 86  | 8B            | 2         | C599               | B             | 227 | 81  | 4B            | 12        |
| C452               | A             | 123 | 114 | 9E            | 6         | C526               | B             | 33  | 89  | 8C            | 2         | C600               | B             | 226 | 84  | 4A            | 12        |
| C453               | A             | 104 | 129 | 4E            | 6         | C527               | B             | 39  | 100 | 9B            | 2         | C601               | B             | 224 | 71  | 3C            | 12        |
| C454               | B             | 245 | 111 | 3C            | 10        | C528               | B             | 44  | 124 | 9B            | 5         | C602               | B             | 227 | 70  | 3C            | 12        |
| C455               | A             | 87  | 125 | 2E            | 6         | C529               | A             | 38  | 104 | 10D           | 2         | C603               | A             | 276 | 116 | 3F            | 10        |
| C456               | A             | 129 | 114 | 10E           | 6         | C530               | B             | 60  | 115 | 11B           | 5         | C604               | A             | 271 | 110 | 3E            | 10        |
| C457               | A             | 79  | 12  | 3E            | 3         | C531               | B             | 32  | 131 | 8C            | 5         | C605               | A             | 275 | 113 | 3E            | 10        |
| C458               | A             | 64  | 35  | 4E            | 3         | C532               | B             | 31  | 140 | 8B            | 5         | C606               | A             | 274 | 125 | 4F            | 8         |
| C459               | A             | 35  | 21  | 2E            | 3         | C533               | B             | 38  | 105 | 2C            | 5         | C607               | A             | 291 | 128 | 4E            | 8         |
| C460               | B             | 124 | 114 | 9C            | 6         | C534               | B             | 32  | 96  | 2C            | 5         | C608               | A             | 297 | 126 | 3E            | 8         |
| C461               | A             | 252 | 19  | 11E           | 13        | C535               | B             | 32  | 104 | 2C            | 5         | C609               | A             | 252 | 83  | 3F            | 12        |
| C462               | B             | 121 | 53  | 3C            | 16        | C536               | B             | 26  | 93  | 2C            | 5         | C610               | A             | 256 | 62  | 3E            | 12        |
| C463               | B             | 121 | 48  | 3D            | 16        | C537               | B             | 20  | 99  | 4C            | 5         | C611               | A             | 254 | 61  | 3E            | 12        |
| C464               | B             | 152 | 105 | 1C            | 9         | C538               | B             | 18  | 95  | 3C            | 5         | C612               | B             | 232 | 104 | 2B            | 10        |
| C465               | B             | 262 | 106 | 5C            | 10        | C539               | B             | 16  | 106 | 5B            | 5         | C613               | B             | 291 | 132 | 5C            | 8         |
| C466               | B             | 294 | 81  | 8C            | 8         | C540               | B             | 24  | 96  | 3C            | 5         | C614               | B             | 239 | 101 | 2C            | 10        |
| C467               | B             | 248 | 130 | 1B            | 8         | C541               | B             | 22  | 122 | 6B            | 5         | C615               | B             | 219 | 74  | 2B            | 12        |
| C468               | B             | 258 | 130 | 2B            | 8         | C542               | B             | 56  | 111 | 11B           | 5         | C616               | B             | 219 | 71  | 2B            | 12        |
| C469               | B             | 109 | 127 | 7C            | 6         | C543               | B             | 186 | 103 | 5B            | 9         | C617               | B             | 285 | 132 | 4C            | 8         |
| C470               | B             | 110 | 129 | 7C            | 6         | C544               | B             | 189 | 130 | 4B            | 7         | C618               | B             | 263 | 137 | 2C            | 8         |
| C471               | B             | 234 | 27  | 3F            | 14        | C545               | B             | 222 | 130 | 6B            | 7         | C619               | B             | 236 | 104 | 2B            | 10        |
| C472               | B             | 80  | 78  | 1E            | 15        | C546               | B             | 196 | 130 | 5B            | 7         | C620               | B             | 216 | 76  | 2B            | 12        |
| C473               | A             | 131 | 71  | 1E            | 15        | C547               | B             | 144 | 130 | 1B            | 7         | C621               | B             | 236 | 105 | 2B            | 10        |
| C474               | B             | 149 | 79  | 1B            | 11        | C548               | B             | 168 | 131 | 2B            | 7         | C622               | B             | 234 | 101 | 2C            | 10        |
| C475               | B             | 187 | 73  | 5B            | 11        | C549               | B             | 234 | 71  | 5B            | 12        | C623               | B             | 272 | 131 | 3C            | 8         |
| C476               | B             | 21  | 111 | 5C            | 5         | C550               | B             | 294 | 20  | 6C            | 13        | C624               | B             | 216 | 74  | 2B            | 12        |
| C477               | B             | 200 | 107 | 6B            | 9         | C551               | B             | 283 | 29  | 6B            | 13        | C625               | B             | 213 | 74  | 2B            | 12        |
| C478               | B             | 146 | 79  | 1B            | 11        | C552               | B             | 277 | 85  | 1C            | 13        | C626               | B             | 243 | 96  | 3C            | 10        |
| C479               | B             | 184 | 73  | 5B            | 11        | C553               | B             | 267 | 71  | 1D            | 13        | C627               | B             | 230 | 96  | 2C            | 10        |
| C480               | B             | 76  | 22  | 5C            | 3         | C554               | B             | 266 | 43  | 3C            | 13        | C628               | B             | 290 | 129 | 5C            | 8         |
| C481               | B             | 79  | 22  | 5C            | 3         | C555               | B             | 267 | 21  | 8B            | 13        | C629               | B             | 294 | 137 | 5D            | 8         |
| C482               | B             | 44  | 47  | 3C            | 4         | C556               | B             | 20  | 102 | 4C            | 5         | C630               | B             | 282 | 137 | 4C            | 8         |
| C483               | B             | 47  | 47  | 3C            | 4         | C557               | B             | 252 | 15  | 11C           | 13        | C631               | B             | 224 | 63  | 2C            | 12        |
| C484               | B             | 148 | 100 | 1C            | 9         | C558               | A             | 65  | 132 | 11E           | 5         | C632               | B             | 212 | 68  | 1C            | 12        |
| C485               | B             | 149 | 94  | 1C            | 9         | C559               | A             | 247 | 29  | 10E           | 13        | C633               | B             | 239 | 104 | 2B            | 10        |
| C486               | B             | 161 | 100 | 2C            | 9         | C560               | B             | 136 | 115 | 10C           | 6         | C634               | B             | 255 | 106 | 4B            | 10        |
| C487               | B             | 160 | 94  | 2C            | 9         | C561               | B             | 116 | 124 | 9C            | 6         | C635               | B             | 271 | 134 | 3B            | 8         |
| C488               | B             | 258 | 101 | 4C            | 10        | C562               | B             | 98  | 137 | 5B            | 6         | C636               | B             | 292 | 124 | 5B            | 8         |
| C489               | B             | 271 | 101 | 5C            | 10        | C563               | B             | 87  | 110 | 2D            | 6         | C637               | B             | 279 | 132 | 4B            | 8         |
| C490               | B             | 193 | 113 | 5A            | 9         | C564               | B             | 86  | 30  | 6B            | 3         | C638               | B             | 229 | 76  | 4B            | 12        |
| C491               | B             | 193 | 108 | 5A            | 9         | C565               | B             | 67  | 48  | 9B            | 3         | C639               | B             | 59  | 124 | 11C           | 5         |
| C492               | B             | 146 | 136 | 1C            | 7         | C566               | B             | 58  | 47  | 10B           | 3         | C640               | B             | 57  | 124 | 10C           | 5         |
| C493               | B             | 158 | 126 | 1C            | 7         | C567               | B             | 39  | 61  | 5B            | 4         | C641               | B             | 253 | 24  | 10C           | 13        |
| C494               | B             | 212 | 135 | 5D            | 7         | C568               | B             | 128 | 110 | 10C           | 6         | C642               | B             | 255 | 24  | 10C           | 13        |
| C495               | B             | 217 | 125 | 6C            | 7         | C569               | A             | 277 | 45  | 5E            | 13        | C643               | A             | 79  | 80  | 3A            | 15        |
| C496               | B             | 199 | 135 | 5C            | 7         | C570               | A             | 258 | 45  | 5F            | 13        | C644               | A             | 70  | 84  | 6A            | 15        |
| C497               | B             | 254 | 125 | 1B            | 8         | C571               | A             | 251 | 43  | 6A            | 17        | C645               | A             | 106 | 65  | 8A            | 15        |
| C498               | B             | 257 | 124 | 1B            | 8         | C572               | A             | 36  | 43  | 3E            | 4         | C646               | A             | 108 | 77  | 11A           | 15        |
| C499               | B             | 158 | 140 | 2D            | 7         | C573               | B             | 135 | 119 | 10B           | 6         | C647               | A             | 121 | 71  | 11D           | 15        |
| C500               | B             | 158 | 136 | 2D            | 7         | C574               | A             | 232 | 24  | 3F            | 14        | C648               | A             | 117 | 83  | 8D            | 15        |
| C501               | B             | 163 | 126 | 2C            | 7         | C575               | A             | 170 | 23  | 2B            | 17        | C649               | B             | 227 | 106 | 1C            | 10        |
| C502               | B             | 182 | 82  | 5B            | 11        | C576               | A             | 153 | 23  | 2B            | 17        | C650               | B             | 226 | 101 | 1B            | 10        |
| C503               | B             | 194 | 85  | 6B            | 11        | C577               | A             | 134 | 23  | 2C            | 17        | C651               | B             | 239 | 131 | 8B            | 7         |
| C504               | B             | 157 | 63  | 2D            | 11        | C578               | A             | 113 | 23  | 2C            | 17        | C652               | B             | 241 | 126 | 8C            | 7         |
| C505               | B             | 157 | 68  | 2C            | 11        | C579               | A             | 161 | 22  | 2D            | 17        | C653               | B             | 239 | 137 | 8B            | 7         |
| C506               | B             | 144 | 71  | 1C            | 11        | C580               | A             | 31  | 97  | 9E            | 2         | C654               | B             | 206 | 79  | 8B            | 11        |
| C507               | B             | 145 | 65  | 1C            | 11        | C581               | B             | 181 | 108 | 4B            | 9         | C655               | B             | 205 | 74  | 8B            | 11        |
| C508               | A             | 45  | 111 | 8D            | 5         | C582               | B             | 178 | 78  | 5C            | 11        | C656               | B             | 205 | 70  | 7A            | 11        |
| C509               | A             | 59  | 108 | 8E            | 5         | C583               | B             | 115 | 127 | 8C            | 6         | C657               | B             | 271 | 39  | 4D            | 13        |
| C510               | A             | 163 | 51  | 2E            | 16        | C584               | B             | 84  | 41  | 7C            | 3         | C658               | B             | 265 | 34  | 4C            | 13        |
| C511               | A             | 140 | 51  | 1F            | 16        | C585               | B             | 185 | 129 | 4C            | 7         | C659               | B             | 258 | 37  | 4C            | 13        |
| C512               | A             | 132 | 53  | 2E            | 16        | C586               | B             | 238 | 128 | 8C            | 7         | C660               | B             | 120 | 117 | 9C            | 6         |
| C513               | B             | 173 | 24  | 2B            | 17        | C587               | B             | 293 | 102 | 7C            | 8         | C661               | A             | 264 | 28  | 11D           | 13        |
| C514               | B             | 157 | 24  | 2B            | 17        | C588               | B             | 286 | 18  | 7C            | 13        | C670               |               |     |     | 7C            | 8         |
| C515               | B             | 164 | 24  | 2D            | 17        | C589               | B             | 227 | 96  | 8A            | 9         | C671               |               |     |     | 9D            | 6         |
| C516               | A             | 63  | 114 | 11E           | 5         | C590               | B             | 275 | 133 | 3B            | 8         | D1                 | B             | 194 | 16  | 2B            | 14        |
| C517               | B             | 40  | 110 | 1C            | 5         | C591               | B             | 253 | 110 | 4B            | 10        | D1                 | B             | 194 | 16  | 2B            | 14        |
| C518               | B             | 157 | 108 | 2B            | 9         | C592               | B             | 253 | 115 | 4B            | 10        | D1                 | B             | 194 | 16  | 2C            | 14        |



**ROHDE & SCHWARZ**

Benennung: EE IQ-CONVERTER  
Designation: IQ-CONVERTER

Sprache:  
Lang.: de

Blatt:  
Sh.: 3 +

Aei:  
C.I.: 04.05

Typ:  
Type: SMIQ

Datum:  
Date: 99-02-03

Abteilung:  
Dpt: 1GPK

Name:  
Name: BU

Sachnr.:  
Part No.: 1084.9300.01 XY



# Nicht-Service-Relevante Bauteile / Non-Relevant Components

| el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg |
|--------------------|---------------|-----|-----|---------------|-----------|--------------------|---------------|-----|-----|---------------|-----------|--------------------|---------------|-----|-----|---------------|-----------|
| D1                 | B             | 194 | 16  | 2C            | 14        | L35                | B             | 42  | 97  | 9C            | 2         | L111               | B             | 169 | 103 | 3B            | 9         |
| D1                 | B             | 194 | 16  | 2F            | 14        | L36                | B             | 50  | 120 | 10B           | 5         | L112               | B             | 86  | 33  | 7B            | 3         |
| D2                 | B             | 194 | 41  | 5F            | 14        | L37                | B             | 16  | 99  | 3B            | 5         | L113               | B             | 173 | 109 | 3B            | 9         |
| D2                 | B             | 194 | 41  | 6C            | 14        | L38                | B             | 108 | 141 | 6B            | 6         | L115               | B             | 173 | 103 | 3B            | 9         |
| D2                 | B             | 194 | 41  | 6C            | 14        | L39                | B             | 100 | 117 | 3B            | 6         | L116               | B             | 176 | 104 | 4B            | 9         |
| D2                 | B             | 194 | 41  | 8D            | 14        | L40                | B             | 131 | 125 | 10B           | 6         | L117               | B             | 157 | 93  | 2C            | 9         |
| D2                 | B             | 194 | 41  | 8E            | 14        | L41                | B             | 62  | 54  | 9C            | 3         | L118               | B             | 184 | 90  | 5B            | 9         |
| D3                 | A             | 48  | 105 | 1D            | 5         | L42                | B             | 125 | 126 | 10A           | 6         | L119               | B             | 180 | 97  | 4C            | 9         |
| D3                 | A             | 48  | 105 | 8E            | 5         | L43                | B             | 51  | 21  | 3B            | 3         | L120               | B             | 185 | 103 | 5B            | 9         |
| D4                 | B             | 112 | 73  | 4F            | 14        | L44                | B             | 92  | 23  | 6C            | 3         | L121               | B             | 267 | 94  | 5C            | 10        |
| D4                 | B             | 112 | 73  | 5B            | 14        | L45                | B             | 284 | 33  | 5C            | 13        | L122               | B             | 214 | 108 | 7B            | 9         |
| D5                 | B             | 170 | 43  | 5F            | 14        | L46                | B             | 21  | 91  | 3C            | 5         | L123               | B             | 213 | 103 | 7B            | 9         |
| D5                 | B             | 170 | 43  | 6C            | 14        | L47                | B             | 36  | 51  | 4C            | 4         | L124               | B             | 217 | 103 | 7B            | 9         |
| D6                 | B             | 101 | 73  | 4F            | 14        | L48                | B             | 183 | 135 | 4C            | 7         | L125               | B             | 191 | 105 | 5B            | 9         |
| D6                 | B             | 101 | 73  | 6B            | 14        | L49                | B             | 21  | 33  | 4C            | 2         | L126               | B             | 269 | 138 | 3B            | 8         |
| D7                 | B             | 90  | 85  | 2E            | 15        | L50                | B             | 24  | 31  | 4B            | 2         | L127               | B             | 197 | 105 | 5B            | 9         |
| D7                 | B             | 90  | 85  | 4A            | 15        | L51                | B             | 48  | 89  | 8B            | 2         | L128               | B             | 203 | 104 | 6B            | 9         |
| D8                 | B             | 106 | 85  | 1E            | 15        | L52                | B             | 34  | 86  | 8C            | 2         | L129               | B             | 207 | 104 | 6B            | 9         |
| D8                 | B             | 106 | 85  | 7A            | 15        | L53                | B             | 50  | 123 | 10B           | 5         | L130               | B             | 271 | 109 | 6B            | 10        |
| D9                 | B             | 121 | 85  | 4E            | 15        | L54                | B             | 36  | 130 | 8C            | 5         | L131               | B             | 273 | 109 | 6B            | 10        |
| D9                 | B             | 121 | 85  | 9A            | 15        | L55                | B             | 33  | 142 | 8A            | 5         | L132               | B             | 277 | 100 | 7B            | 10        |
| D10                | B             | 136 | 85  | 4E            | 15        | L56                | B             | 24  | 93  | 3C            | 5         | L133               | B             | 277 | 97  | 7B            | 10        |
| D10                | B             | 136 | 85  | 7C            | 15        | L57                | B             | 294 | 15  | 6C            | 13        | L134               | B             | 277 | 90  | 8B            | 10        |
| D11                | B             | 136 | 73  | 3E            | 15        | L58                | B             | 289 | 26  | 6B            | 13        | L135               | B             | 277 | 86  | 8B            | 10        |
| D11                | B             | 136 | 73  | 9C            | 15        | L59                | B             | 272 | 43  | 3C            | 13        | L136               | B             | 273 | 94  | 8C            | 10        |
| D12                | B             | 91  | 73  | 1A            | 15        | L60                | B             | 281 | 33  | 5C            | 13        | L137               | B             | 281 | 85  | 8C            | 10        |
| D12                | B             | 91  | 73  | 5E            | 15        | L61                | A             | 51  | 28  | 10D           | 17        | L138               | B             | 279 | 99  | 7C            | 10        |
| D13                | B             | 218 | 41  | 6F            | 14        | L62                | A             | 54  | 91  | 11A           | 17        | L139               | B             | 149 | 140 | 2C            | 7         |
| D13                | B             | 218 | 41  | 9D            | 14        | L63                | A             | 63  | 93  | 11B           | 17        | L140               | B             | 155 | 143 | 2C            | 7         |
| D14                | B             | 206 | 41  | 6F            | 14        | L64                | B             | 105 | 141 | 6B            | 6         | L141               | B             | 147 | 132 | 1B            | 7         |
| D14                | B             | 206 | 41  | 9D            | 14        | L65                | B             | 97  | 117 | 3C            | 6         | L142               | B             | 152 | 129 | 2B            | 7         |
| D15                | B             | 237 | 32  | 3D            | 14        | L67                | B             | 13  | 99  | 3B            | 5         | L143               | B             | 159 | 130 | 2B            | 7         |
| D15                | B             | 237 | 32  | 3F            | 14        | L68                | B             | 58  | 44  | 10B           | 3         | L144               | B             | 166 | 130 | 2B            | 7         |
| D15                | B             | 237 | 32  | 4D            | 14        | L69                | B             | 50  | 18  | 3B            | 3         | L145               | B             | 174 | 130 | 3B            | 7         |
| D15                | B             | 237 | 32  | 4D            | 14        | L70                | B             | 154 | 72  | 2C            | 11        | L146               | B             | 172 | 129 | 3B            | 7         |
| D15                | B             | 237 | 32  | 7F            | 14        | L71                | B             | 83  | 30  | 6B            | 3         | L147               | B             | 174 | 135 | 3C            | 7         |
| D17                | B             | 182 | 43  | 5F            | 14        | L72                | B             | 35  | 60  | 5B            | 4         | L148               | B             | 188 | 130 | 4B            | 7         |
| D17                | B             | 182 | 43  | 6D            | 14        | L73                | B             | 145 | 75  | 1C            | 11        | L149               | B             | 272 | 139 | 3C            | 8         |
| D18                | B             | 221 | 32  | 3A            | 14        | L74                | B             | 13  | 111 | 5B            | 5         | L150               | B             | 200 | 131 | 5B            | 7         |
| D18                | B             | 221 | 32  | 3F            | 14        | L75                | B             | 14  | 102 | 4C            | 5         | L151               | B             | 206 | 129 | 5B            | 7         |
| L1                 | B             | 224 | 106 | 8B            | 9         | L76                | B             | 15  | 132 | 6B            | 5         | L152               | B             | 213 | 129 | 6B            | 7         |
| L2                 | B             | 274 | 101 | 7C            | 10        | L77                | B             | 14  | 136 | 6A            | 5         | L153               | B             | 220 | 128 | 6B            | 7         |
| L3                 | B             | 147 | 18  | 1B            | 17        | L78                | B             | 202 | 77  | 7A            | 11        | L154               | B             | 202 | 139 | 5C            | 7         |
| L4                 | B             | 126 | 18  | 1C            | 17        | L79                | B             | 265 | 76  | 7B            | 12        | L155               | B             | 209 | 142 | 6C            | 7         |
| L5                 | B             | 106 | 18  | 1C            | 17        | L80                | B             | 163 | 72  | 3A            | 11        | L156               | B             | 226 | 128 | 6B            | 7         |
| L6                 | B             | 103 | 42  | 3C            | 17        | L81                | B             | 83  | 52  | 8C            | 3         | L157               | B             | 227 | 129 | 7B            | 7         |
| L7                 | B             | 267 | 78  | 8B            | 12        | L83                | B             | 261 | 26  | 9B            | 13        | L158               | B             | 225 | 135 | 7C            | 7         |
| L8                 | B             | 39  | 97  | 9C            | 2         | L84                | B             | 113 | 141 | 6B            | 6         | L159               | B             | 245 | 134 | 1C            | 8         |
| L9                 | B             | 20  | 133 | 7B            | 5         | L85                | B             | 14  | 41  | 4C            | 2         | L160               | B             | 298 | 114 | 6C            | 8         |
| L10                | B             | 14  | 110 | 5B            | 5         | L86                | B             | 12  | 56  | 5C            | 2         | L161               | B             | 292 | 119 | 5B            | 8         |
| L11                | B             | 18  | 103 | 4C            | 5         | L87                | B             | 13  | 69  | 5C            | 2         | L162               | B             | 292 | 116 | 6B            | 8         |
| L12                | B             | 16  | 129 | 6B            | 5         | L88                | B             | 24  | 64  | 5C            | 2         | L163               | B             | 293 | 90  | 7B            | 8         |
| L13                | B             | 180 | 134 | 4B            | 7         | L89                | B             | 192 | 79  | 6B            | 11        | L164               | B             | 293 | 85  | 7B            | 8         |
| L14                | B             | 234 | 133 | 7B            | 7         | L90                | B             | 58  | 116 | 11B           | 5         | L165               | B             | 293 | 79  | 8B            | 8         |
| L15                | B             | 296 | 107 | 6B            | 8         | L91                | B             | 183 | 76  | 5B            | 11        | L166               | B             | 298 | 99  | 7C            | 8         |
| L16                | B             | 286 | 50  | 1A            | 13        | L92                | B             | 46  | 123 | 9B            | 5         | L167               | B             | 288 | 103 | 7C            | 8         |
| L17                | B             | 279 | 19  | 7C            | 13        | L93                | B             | 212 | 71  | 1B            | 12        | L168               | B             | 297 | 68  | 8C            | 8         |
| L18                | B             | 261 | 23  | 9B            | 13        | L94                | B             | 27  | 110 | 2C            | 5         | L169               | B             | 227 | 79  | 4B            | 12        |
| L19                | B             | 297 | 104 | 7C            | 8         | L95                | B             | 48  | 103 | 2C            | 5         | L170               | B             | 239 | 89  | 2C            | 10        |
| L20                | B             | 248 | 53  | 6A            | 17        | L96                | B             | 37  | 101 | 1C            | 5         | L171               | B             | 148 | 70  | 1C            | 11        |
| L21                | B             | 233 | 53  | 5A            | 17        | L97                | B             | 26  | 98  | 2C            | 5         | L172               | B             | 153 | 68  | 2C            | 11        |
| L22                | B             | 233 | 50  | 5A            | 17        | L98                | B             | 273 | 112 | 6C            | 10        | L173               | B             | 178 | 65  | 4C            | 11        |
| L23                | B             | 248 | 49  | 6A            | 17        | L99                | B             | 205 | 93  | 6B            | 9         | L174               | B             | 244 | 104 | 3B            | 10        |
| L24                | B             | 61  | 91  | 10A           | 17        | L100               | B             | 200 | 113 | 6B            | 9         | L175               | B             | 263 | 130 | 2B            | 8         |
| L25                | B             | 77  | 92  | 9A            | 17        | L101               | B             | 193 | 97  | 5B            | 9         | L176               | B             | 172 | 75  | 4B            | 11        |
| L26                | B             | 61  | 95  | 10B           | 17        | L102               | B             | 162 | 108 | 2B            | 9         | L177               | B             | 291 | 144 | 5C            | 8         |
| L27                | B             | 77  | 96  | 9B            | 17        | L103               | B             | 221 | 68  | 2B            | 12        | L178               | B             | 283 | 133 | 4B            | 8         |
| L28                | B             | 205 | 61  | 6D            | 17        | L104               | B             | 166 | 109 | 2B            | 9         | L179               | B             | 164 | 74  | 3B            | 11        |
| L29                | B             | 196 | 53  | 5D            | 17        | L105               | B             | 181 | 104 | 4B            | 9         | L180               | B             | 162 | 74  | 3B            | 11        |
| L30                | B             | 111 | 104 | 6B            | 17        | L106               | B             | 164 | 104 | 2B            | 9         | L181               | B             | 160 | 75  | 2B            | 11        |
| L31                | B             | 112 | 94  | 5B            | 17        | L107               | B             | 166 | 103 | 2B            | 9         | L182               | B             | 289 | 133 | 4B            | 8         |
| L32                | B             | 89  | 60  | 9D            | 17        | L108               | B             | 177 | 74  | 4B            | 11        | L183               | B             | 157 | 78  | 2B            | 11        |
| L33                | B             | 105 | 60  | 8D            | 17        | L109               | B             | 171 | 109 | 3B            | 9         | L184               | B             | 294 | 133 | 5B            | 8         |
| L34                | B             | 80  | 60  | 10D           | 17        | L110               | B             | 110 | 125 | 8C            | 6         | L185               | B             | 168 | 74  | 3B            | 11        |



**ROHDE & SCHWARZ**

Benennung: EE IQ-CONVERTER  
Designation: IQ-CONVERTER

Sprache:  
Lang.: de

Blatt:  
Sh.: 4 +

Aei:  
C.I.: 04.05

Typ:  
Type: SMIQ

Datum:  
Date: 99-02-03

Abteilung:  
Dpt: 1GPK

Name:  
Name: BU

Sachnr.:  
Part No.: 1084.9300.01 XY



# Nicht-Service-Relevante Bauteile / Non-Service-Relevant Components

| el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg |
|--------------------|---------------|-----|-----|---------------|-----------|--------------------|---------------|-----|-----|---------------|-----------|--------------------|---------------|-----|-----|---------------|-----------|
| L186               | B             | 167 | 80  | 3B            | 11        | L261               | B             | 138 | 114 | 11B           | 6         | N9                 | B             | 128 | 47  | 3C            | 16        |
| L187               | B             | 162 | 80  | 2B            | 11        | L262               | B             | 234 | 78  | 4B            | 12        | N9                 | B             | 128 | 47  | 3D            | 16        |
| L188               | B             | 169 | 80  | 4B            | 11        | L263               | B             | 285 | 53  | 2C            | 13        | N10                | B             | 219 | 101 | 7B            | 9         |
| L189               | B             | 182 | 73  | 5B            | 11        | L266               | B             | 90  | 37  | 7C            | 3         | N11                | B             | 275 | 106 | 6B            | 10        |
| L190               | B             | 180 | 62  | 5B            | 11        | L267               | B             | 43  | 22  | 2C            | 3         | N12                | B             | 180 | 128 | 3B            | 7         |
| L191               | B             | 186 | 81  | 5B            | 11        | L269               | B             | 81  | 12  | 5C            | 3         | N13                | B             | 233 | 128 | 7B            | 7         |
| L192               | B             | 190 | 83  | 5B            | 11        | L270               | B             | 78  | 31  | 5C            | 3         | N14                | B             | 291 | 107 | 6B            | 8         |
| L193               | B             | 194 | 73  | 6B            | 11        | L271               | B             | 75  | 15  | 4C            | 3         | N15                | B             | 200 | 73  | 7B            | 11        |
| L194               | B             | 195 | 73  | 6B            | 11        | L273               | B             | 93  | 46  | 7C            | 3         | N16                | B             | 263 | 71  | 7B            | 12        |
| L195               | B             | 46  | 64  | 6C            | 4         | L274               | B             | 84  | 48  | 8B            | 3         | N17                | B             | 46  | 20  | 2C            | 3         |
| L196               | B             | 238 | 71  | 5B            | 12        | L275               | B             | 79  | 48  | 8B            | 3         | N18                | A             | 55  | 125 | 11D           | 5         |
| L197               | B             | 243 | 72  | 5B            | 12        | L276               | B             | 76  | 43  | 8C            | 3         | N18                | A             | 55  | 125 | 8E            | 5         |
| L198               | B             | 248 | 71  | 6B            | 12        | L277               | B             | 73  | 48  | 8B            | 3         | N19                | A             | 250 | 24  | 10D           | 13        |
| L199               | B             | 251 | 71  | 6B            | 12        | L278               | B             | 70  | 52  | 9C            | 3         | N19                | A             | 250 | 24  | 11D           | 13        |
| L200               | B             | 256 | 71  | 6B            | 12        | L279               | B             | 68  | 48  | 9B            | 3         | N20                | B             | 253 | 104 | 4B            | 10        |
| L201               | B             | 258 | 71  | 7B            | 12        | L280               | B             | 42  | 36  | 4C            | 4         | N21                | B             | 269 | 133 | 3B            | 8         |
| L202               | B             | 117 | 107 | 9B            | 6         | L283               | B             | 43  | 76  | 6B            | 4         | N22                | B             | 227 | 74  | 3B            | 12        |
| L203               | B             | 196 | 70  | 6B            | 11        | L284               | B             | 47  | 75  | 6C            | 4         | N23                | B             | 274 | 30  | 4C            | 13        |
| L204               | B             | 285 | 141 | 4C            | 8         | L285               | B             | 39  | 63  | 5B            | 4         | P3                 | B             | 64  | 116 | 11E           | 5         |
| L205               | B             | 241 | 67  | 5C            | 12        | L286               | B             | 37  | 70  | 6C            | 4         | P4                 | B             | 45  | 109 | 1D            | 5         |
| L206               | B             | 245 | 77  | 5B            | 12        | L287               | B             | 41  | 67  | 6B            | 4         | P5                 | B             | 45  | 106 | 1D            | 5         |
| L207               | B             | 249 | 65  | 6B            | 12        | L288               | B             | 42  | 73  | 6B            | 4         | P6                 | B             | 235 | 43  | 10E           | 14        |
| L208               | B             | 257 | 68  | 7B            | 12        | L289               | B             | 49  | 40  | 3C            | 4         | P7                 | B             | 144 | 47  | 4D            | 16        |
| L209               | B             | 128 | 105 | 10C           | 6         | L290               | B             | 45  | 55  | 3C            | 4         | P8                 | B             | 144 | 44  | 5B            | 16        |
| L210               | B             | 295 | 126 | 5B            | 8         | L293               | B             | 280 | 106 | 7B            | 10        | P9                 | B             | 144 | 42  | 2C            | 16        |
| L211               | B             | 262 | 129 | 2B            | 8         | L294               | B             | 167 | 101 | 3A            | 9         | P10                | B             | 144 | 39  | 4A            | 16        |
| L212               | B             | 23  | 125 | 6B            | 5         | L295               | B             | 223 | 98  | 8A            | 9         | P11                | B             | 144 | 37  | 4B            | 16        |
| L213               | B             | 263 | 135 | 2C            | 8         | L298               | B             | 204 | 79  | 7B            | 11        | P12                | B             | 144 | 34  | 4E            | 16        |
| L214               | B             | 215 | 66  | 2C            | 12        | L299               | B             | 236 | 134 | 7C            | 7         | P13                | B             | 175 | 50  | 6C            | 14        |
| L215               | B             | 227 | 110 | 1C            | 10        | L300               | A             | 134 | 70  | 3B            | 17        | P14                | B             | 177 | 50  | 6C            | 14        |
| L216               | B             | 230 | 112 | 2C            | 10        | L301               | A             | 221 | 43  | 3B            | 17        | P15                | B             | 180 | 50  | 7D            | 14        |
| L217               | B             | 248 | 104 | 3B            | 10        | L302               | A             | 230 | 28  | 3C            | 17        | P16                | B             | 182 | 50  | 7D            | 14        |
| L218               | B             | 219 | 63  | 2C            | 12        | L303               | B             | 81  | 75  | 3C            | 17        | R1                 | B             | 17  | 37  | 4C            | 2         |
| L219               | B             | 245 | 108 | 3C            | 10        | L304               | A             | 135 | 16  | 1B            | 17        | R2                 | B             | 13  | 72  | 6C            | 2         |
| L220               | B             | 224 | 74  | 3B            | 12        | L305               | A             | 116 | 16  | 1D            | 17        | R3                 | A             | 155 | 108 | 2E            | 9         |
| L221               | B             | 213 | 82  | 8B            | 11        | L306               | B             | 85  | 105 | 6B            | 17        | R4                 | A             | 157 | 108 | 2E            | 9         |
| L222               | B             | 206 | 84  | 8B            | 11        | L307               | B             | 164 | 62  | 6F            | 17        | R5                 | B             | 230 | 106 | 2C            | 10        |
| L223               | B             | 272 | 34  | 4C            | 13        | L308               | A             | 64  | 69  | 9C            | 17        | R6                 | B             | 241 | 129 | 8C            | 7         |
| L224               | B             | 276 | 39  | 4D            | 13        | L309               | B             | 246 | 43  | 6A            | 17        | R7                 | A             | 151 | 79  | 2E            | 11        |
| L225               | B             | 32  | 111 | 2C            | 5         | L310               | A             | 254 | 43  | 6A            | 17        | R8                 | A             | 153 | 79  | 2E            | 11        |
| L226               | B             | 254 | 17  | 10C           | 13        | L311               | B             | 64  | 87  | 10A           | 17        | R9                 | B             | 48  | 123 | 9B            | 5         |
| L227               | B             | 110 | 112 | 8C            | 6         | L312               | A             | 58  | 93  | 11A           | 17        | R10                | B             | 57  | 121 | 10C           | 5         |
| L228               | B             | 113 | 112 | 9C            | 6         | L313               | A             | 63  | 95  | 11B           | 17        | R11                | B             | 36  | 104 | 2C            | 5         |
| L229               | B             | 115 | 124 | 9C            | 6         | L314               | B             | 18  | 135 | 7C            | 5         | R12                | B             | 23  | 126 | 6B            | 5         |
| L230               | B             | 106 | 136 | 6C            | 6         | L315               | B             | 280 | 17  | 7C            | 13        | R13                | B             | 27  | 102 | 2C            | 5         |
| L231               | B             | 107 | 132 | 7C            | 6         | L316               | B             | 193 | 106 | 5A            | 9         | R14                | B             | 213 | 76  | 8B            | 11        |
| L232               | B             | 109 | 128 | 7C            | 6         | L319               | A             | 250 | 40  | 6A            | 17        | R15                | B             | 206 | 76  | 8B            | 11        |
| L233               | B             | 122 | 138 | 6C            | 6         | L320               | A             | 277 | 49  | 6A            | 17        | R16                | B             | 184 | 101 | 5B            | 9         |
| L234               | B             | 134 | 134 | 7C            | 6         | L321               | A             | 260 | 20  | 6A            | 17        | R17                | B             | 182 | 101 | 4B            | 9         |
| L235               | B             | 133 | 129 | 7C            | 6         | N1                 | A             | 111 | 70  | 11B           | 15        | R18                | B             | 275 | 103 | 7C            | 10        |
| L236               | B             | 253 | 109 | 4B            | 10        | N1                 | A             | 111 | 70  | 11D           | 15        | R19                | B             | 190 | 132 | 4C            | 7         |
| L237               | B             | 265 | 22  | 8B            | 13        | N1                 | A             | 111 | 70  | 2E            | 15        | R20                | B             | 194 | 128 | 5C            | 7         |
| L238               | B             | 94  | 126 | 4C            | 6         | N1                 | A             | 111 | 70  | 8B            | 15        | R21                | B             | 180 | 72  | 5B            | 11        |
| L239               | B             | 100 | 136 | 5B            | 6         | N1                 | A             | 111 | 70  | 8D            | 15        | R22                | B             | 178 | 72  | 4C            | 11        |
| L240               | B             | 20  | 132 | 6B            | 5         | N2                 | B             | 134 | 58  | 2D            | 16        | R23                | B             | 263 | 22  | 9B            | 13        |
| L241               | B             | 94  | 118 | 3C            | 6         | N3                 | B             | 78  | 81  | 2E            | 15        | R24                | B             | 255 | 21  | 10C           | 13        |
| L242               | B             | 94  | 116 | 3C            | 6         | N3                 | B             | 78  | 81  | 3B            | 15        | R25                | B             | 139 | 52  | 5C            | 16        |
| L243               | B             | 94  | 114 | 2C            | 6         | N3                 | B             | 78  | 81  | 5B            | 15        | R26                | B             | 102 | 136 | 5B            | 6         |
| L244               | B             | 53  | 124 | 10B           | 5         | N4                 | A             | 286 | 39  | 5F            | 13        | R27                | A             | 123 | 116 | 9E            | 6         |
| L245               | B             | 89  | 111 | 2D            | 6         | N4                 | A             | 286 | 39  | 6E            | 13        | R28                | A             | 127 | 113 | 9E            | 6         |
| L246               | B             | 257 | 20  | 9C            | 13        | N4                 | A             | 286 | 39  | 8D            | 13        | R29                | A             | 128 | 118 | 10E           | 6         |
| L247               | B             | 94  | 122 | 3C            | 6         | N5                 | A             | 261 | 40  | 5F            | 13        | R30                | A             | 129 | 112 | 10E           | 6         |
| L248               | B             | 89  | 123 | 4D            | 6         | N5                 | A             | 261 | 40  | 7F            | 13        | R31                | B             | 86  | 34  | 7C            | 3         |
| L249               | B             | 89  | 121 | 3D            | 6         | N5                 | A             | 261 | 40  | 8D            | 13        | R32                | B             | 86  | 44  | 7C            | 3         |
| L250               | B             | 89  | 116 | 3D            | 6         | N6                 | A             | 149 | 43  | 1E            | 16        | R33                | B             | 164 | 102 | 2B            | 9         |
| L252               | B             | 132 | 111 | 11A           | 6         | N6                 | A             | 149 | 43  | 3A            | 16        | R34                | B             | 160 | 73  | 2B            | 11        |
| L253               | B             | 13  | 76  | 6C            | 2         | N6                 | A             | 149 | 43  | 3B            | 16        | R35                | B             | 266 | 34  | 4C            | 13        |
| L254               | B             | 271 | 19  | 8C            | 13        | N7                 | A             | 35  | 90  | 8E            | 2         | R36                | A             | 98  | 122 | 3E            | 6         |
| L255               | B             | 104 | 139 | 6C            | 6         | N7                 | A             | 35  | 90  | 8E            | 2         | R37                | A             | 100 | 122 | 3E            | 6         |
| L256               | B             | 278 | 139 | 4C            | 8         | N7                 | A             | 35  | 90  | 9E            | 2         | R38                | B             | 268 | 39  | 4C            | 13        |
| L257               | B             | 260 | 55  | 2D            | 13        | N8                 | B             | 54  | 15  | 3C            | 3         | R39                | B             | 295 | 24  | 6C            | 13        |
| L258               | B             | 122 | 112 | 9B            | 6         | N9                 | B             | 128 | 47  | 2C            | 16        | R40                | A             | 102 | 122 | 3E            | 6         |
| L259               | B             | 128 | 118 | 10B           | 6         | N9                 | B             | 128 | 47  | 2E            | 16        | R41                | A             | 104 | 122 | 3E            | 6         |
| L260               | B             | 273 | 48  | 2C            | 13        | N9                 | B             | 128 | 47  | 3B            | 16        | R42                | B             | 295 | 20  | 6C            | 13        |

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|-------------------------------------------------------------------------------------|--|---------------------------------------------------------|--|------------------------------|--|------------------------|--|-------------------------------------------------------|--|
|  |  | Benennung: EE IQ-CONVERTER<br>Designation: IQ-CONVERTER |  | Sprache: de<br>Lang.: de     |  | Blatt: 5 +<br>Sh.: 5 + |  | Aei: 04.05<br>C.I.: 04.05                             |  |
| Typ: SMIQ<br>Type: SMIQ                                                             |  | Datum: 99-02-03<br>Date: 99-02-03                       |  | Abteilung: 1GPK<br>Dpt: 1GPK |  | Name: BU<br>Name: BU   |  | Sachnr.: 1084.9300.01 XY<br>Part No.: 1084.9300.01 XY |  |



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| el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg |
|--------------------|---------------|-----|-----|---------------|-----------|--------------------|---------------|-----|-----|---------------|-----------|--------------------|---------------|-----|-----|---------------|-----------|
| R43                | A             | 227 | 109 | 2E            | 10        | R119               | B             | 208 | 79  | 8B            | 11        | R194               | A             | 214 | 25  | 3B            | 14        |
| R44                | B             | 35  | 17  | 2E            | 6         | R120               | B             | 21  | 119 | 5C            | 5         | R195               | A             | 214 | 21  | 3B            | 14        |
| R45                | B             | 80  | 127 | 2D            | 6         | R121               | B             | 25  | 116 | 5C            | 5         | R196               | A             | 214 | 19  | 3B            | 14        |
| R46                | A             | 240 | 125 | 7D            | 7         | R122               | B             | 37  | 126 | 9C            | 5         | R197               | A             | 214 | 17  | 3B            | 14        |
| R47                | B             | 25  | 78  | 6D            | 2         | R123               | B             | 40  | 122 | 9C            | 5         | R198               | A             | 224 | 31  | 3B            | 14        |
| R48                | A             | 22  | 38  | 4D            | 2         | R124               | A             | 43  | 107 | 2D            | 5         | R199               | A             | 230 | 25  | 3C            | 14        |
| R49                | A             | 25  | 36  | 4A            | 2         | R125               | A             | 45  | 104 | 2D            | 5         | R200               | A             | 216 | 15  | 4B            | 14        |
| R50                | A             | 30  | 99  | 9E            | 2         | R126               | B             | 169 | 114 | 4C            | 9         | R201               | A             | 218 | 16  | 4B            | 14        |
| R51                | A             | 38  | 141 | 8A            | 5         | R127               | B             | 172 | 112 | 4C            | 9         | R202               | A             | 220 | 16  | 4B            | 14        |
| R52                | A             | 39  | 132 | 8C            | 5         | R128               | B             | 151 | 102 | 1C            | 9         | R203               | A             | 223 | 16  | 4B            | 14        |
| R53                | A             | 181 | 94  | 4E            | 9         | R129               | B             | 149 | 99  | 1C            | 9         | R204               | A             | 225 | 16  | 4B            | 14        |
| R54                | B             | 183 | 132 | 4C            | 7         | R130               | B             | 160 | 99  | 2C            | 9         | R205               | A             | 227 | 16  | 4B            | 14        |
| R55                | B             | 236 | 131 | 7C            | 7         | R131               | B             | 261 | 103 | 4C            | 10        | R206               | A             | 229 | 16  | 4B            | 14        |
| R56                | A             | 193 | 134 | 4D            | 7         | R132               | B             | 259 | 100 | 4C            | 10        | R207               | A             | 231 | 16  | 4B            | 14        |
| R57                | B             | 248 | 128 | 8C            | 7         | R133               | B             | 270 | 100 | 5C            | 10        | R208               | B             | 239 | 30  | 3D            | 14        |
| R58                | B             | 204 | 76  | 7B            | 11        | R134               | B             | 210 | 105 | 7B            | 9         | R209               | B             | 230 | 35  | 7F            | 14        |
| R59                | B             | 267 | 74  | 8B            | 12        | R135               | B             | 210 | 109 | 7B            | 9         | R210               | B             | 184 | 42  | 6D            | 14        |
| R60                | A             | 178 | 67  | 4E            | 11        | R136               | B             | 193 | 111 | 5A            | 9         | R211               | B             | 174 | 44  | 6D            | 14        |
| R61                | A             | 294 | 24  | 6A            | 13        | R137               | B             | 192 | 101 | 5B            | 9         | R212               | B             | 105 | 73  | 5B            | 14        |
| R62                | A             | 294 | 12  | 6D            | 13        | R138               | B             | 202 | 107 | 5B            | 9         | R213               | B             | 94  | 73  | 6B            | 14        |
| R63                | A             | 294 | 51  | 2B            | 13        | R139               | B             | 204 | 101 | 6B            | 9         | R214               | B             | 162 | 42  | 5C            | 14        |
| R64                | A             | 258 | 47  | 2C            | 13        | R140               | B             | 269 | 110 | 6C            | 10        | R215               | B             | 220 | 47  | 8D            | 14        |
| R65                | A             | 275 | 45  | 3B            | 13        | R141               | B             | 269 | 115 | 6C            | 10        | R216               | B             | 208 | 47  | 8E            | 14        |
| R66                | A             | 112 | 54  | 4C            | 16        | R142               | B             | 170 | 133 | 3C            | 7         | R217               | B             | 197 | 43  | 7C            | 14        |
| R67                | A             | 121 | 46  | 4E            | 16        | R143               | B             | 170 | 137 | 3C            | 7         | R218               | A             | 35  | 101 | 9D            | 2         |
| R68                | B             | 107 | 121 | 8D            | 6         | R144               | B             | 148 | 134 | 1C            | 7         | R219               | B             | 185 | 48  | 8D            | 14        |
| R69                | B             | 100 | 125 | 7D            | 6         | R145               | B             | 146 | 137 | 1C            | 7         | R220               | B             | 185 | 44  | 8D            | 14        |
| R70                | A             | 115 | 112 | 10C           | 6         | R146               | B             | 217 | 128 | 6C            | 7         | R221               | B             | 199 | 44  | 9E            | 14        |
| R71                | A             | 91  | 42  | 7C            | 3         | R147               | B             | 216 | 125 | 6C            | 7         | R222               | B             | 229 | 48  | 10D           | 14        |
| R72                | B             | 36  | 78  | 7C            | 4         | R148               | B             | 210 | 133 | 5C            | 7         | R223               | B             | 232 | 43  | 10E           | 14        |
| R73                | A             | 78  | 85  | 6A            | 15        | R149               | B             | 199 | 137 | 5C            | 7         | R224               | A             | 28  | 103 | 9D            | 2         |
| R74                | A             | 93  | 83  | 8A            | 15        | R150               | B             | 201 | 133 | 5C            | 7         | R225               | A             | 72  | 79  | 6B            | 15        |
| R75                | A             | 108 | 84  | 11A           | 15        | R151               | B             | 212 | 136 | 5D            | 7         | R226               | B             | 83  | 85  | 4A            | 15        |
| R76                | A             | 124 | 83  | 8C            | 15        | R152               | B             | 223 | 132 | 6C            | 7         | R227               | B             | 133 | 121 | 10B           | 6         |
| R77                | A             | 75  | 71  | 3A            | 15        | R153               | B             | 221 | 137 | 6D            | 7         | R228               | A             | 114 | 68  | 9B            | 15        |
| R78                | B             | 40  | 126 | 9C            | 5         | R154               | B             | 258 | 131 | 2C            | 8         | R229               | B             | 98  | 85  | 6A            | 15        |
| R79                | A             | 208 | 80  | 7C            | 11        | R155               | B             | 254 | 127 | 1B            | 8         | R230               | B             | 114 | 85  | 9A            | 15        |
| R80                | B             | 20  | 119 | 5B            | 5         | R156               | B             | 284 | 123 | 5C            | 8         | R231               | A             | 106 | 81  | 11B           | 15        |
| R81                | A             | 283 | 35  | 3E            | 13        | R157               | B             | 158 | 137 | 2D            | 7         | R233               | A             | 288 | 22  | 4E            | 13        |
| R82                | A             | 265 | 51  | 8D            | 13        | R158               | B             | 291 | 123 | 5C            | 8         | R234               | A             | 122 | 81  | 9D            | 15        |
| R83                | A             | 295 | 33  | 8E            | 13        | R159               | B             | 156 | 134 | 2C            | 7         | R235               | B             | 129 | 85  | 6C            | 15        |
| R84                | B             | 120 | 114 | 9C            | 6         | R160               | B             | 249 | 128 | 1C            | 8         | R236               | B             | 129 | 73  | 9C            | 15        |
| R85                | B             | 261 | 37  | 4C            | 13        | R161               | B             | 162 | 129 | 2C            | 7         | R237               | A             | 119 | 67  | 11D           | 15        |
| R86                | B             | 185 | 130 | 4B            | 7         | R162               | B             | 161 | 126 | 2C            | 7         | R238               | A             | 232 | 107 | 1D            | 10        |
| R87                | B             | 238 | 129 | 7B            | 7         | R163               | B             | 192 | 71  | 6C            | 11        | R239               | B             | 83  | 73  | 1A            | 15        |
| R88                | B             | 292 | 102 | 7B            | 8         | R164               | B             | 182 | 78  | 5B            | 11        | R240               | A             | 235 | 132 | 7D            | 7         |
| R89                | A             | 256 | 47  | 8F            | 13        | R165               | B             | 181 | 81  | 5B            | 11        | R241               | A             | 203 | 80  | 7C            | 11        |
| R90                | B             | 295 | 23  | 6C            | 13        | R166               | B             | 195 | 84  | 6B            | 11        | R242               | A             | 287 | 27  | 2D            | 13        |
| R91                | A             | 18  | 52  | 4D            | 2         | R167               | B             | 156 | 66  | 2C            | 11        | R243               | A             | 138 | 39  | 4A            | 16        |
| R92                | B             | 258 | 109 | 4B            | 10        | R168               | B             | 145 | 69  | 1C            | 11        | R244               | A             | 210 | 47  | 4D            | 16        |
| R93                | A             | 45  | 106 | 2D            | 5         | R169               | B             | 145 | 74  | 1C            | 11        | R245               | A             | 210 | 43  | 4E            | 16        |
| R95                | B             | 94  | 139 | 5C            | 6         | R170               | B             | 192 | 66  | 6C            | 11        | R246               | A             | 214 | 43  | 4E            | 16        |
| R96                | B             | 128 | 108 | 10C           | 6         | R171               | B             | 239 | 76  | 5C            | 12        | R247               | B             | 133 | 53  | 3B            | 16        |
| R97                | B             | 32  | 24  | 1C            | 3         | R172               | B             | 253 | 73  | 6B            | 12        | R248               | B             | 132 | 55  | 4C            | 16        |
| R98                | A             | 48  | 89  | 8A            | 2         | R173               | B             | 158 | 83  | 4C            | 11        | R249               | B             | 131 | 45  | 4C            | 16        |
| R99                | A             | 48  | 91  | 8D            | 2         | R174               | B             | 253 | 77  | 6C            | 12        | R250               | B             | 139 | 42  | 4C            | 16        |
| R100               | B             | 21  | 95  | 3C            | 5         | R175               | B             | 167 | 83  | 4C            | 11        | R251               | A             | 138 | 37  | 4B            | 16        |
| R101               | B             | 227 | 103 | 1C            | 10        | R176               | B             | 247 | 69  | 6B            | 12        | R252               | B             | 127 | 60  | 2D            | 16        |
| R102               | B             | 294 | 104 | 7C            | 8         | R177               | B             | 247 | 73  | 5B            | 12        | R253               | A             | 101 | 108 | 6C            | 17        |
| R103               | A             | 57  | 117 | 7E            | 5         | R178               | B             | 239 | 69  | 5C            | 12        | R254               | A             | 95  | 110 | 6C            | 17        |
| R104               | B             | 286 | 46  | 1A            | 13        | R179               | B             | 272 | 17  | 8B            | 13        | R255               | A             | 246 | 126 | 6E            | 17        |
| R106               | B             | 226 | 106 | 1C            | 10        | R180               | B             | 274 | 14  | 8B            | 13        | R256               | A             | 249 | 93  | 8E            | 17        |
| R107               | B             | 239 | 126 | 8C            | 7         | R181               | B             | 253 | 29  | 10C           | 13        | R257               | A             | 197 | 64  | 10E           | 17        |
| R108               | B             | 18  | 47  | 4C            | 2         | R182               | A             | 252 | 36  | 9E            | 13        | R258               | A             | 51  | 101 | 10B           | 17        |
| R109               | B             | 17  | 55  | 4D            | 2         | R183               | B             | 255 | 29  | 10C           | 13        | R259               | A             | 49  | 98  | 10B           | 17        |
| R110               | B             | 16  | 62  | 5C            | 2         | R184               | A             | 258 | 36  | 9E            | 13        | R260               | A             | 248 | 128 | 7E            | 17        |
| R111               | B             | 16  | 59  | 5D            | 2         | R185               | A             | 247 | 31  | 10E           | 13        | R261               | A             | 253 | 95  | 8E            | 17        |
| R112               | B             | 25  | 74  | 6C            | 2         | R186               | A             | 257 | 30  | 11E           | 13        | R262               | A             | 199 | 66  | 10E           | 17        |
| R113               | B             | 21  | 74  | 6C            | 2         | R187               | A             | 247 | 18  | 10E           | 13        | R263               | A             | 125 | 114 | 9E            | 6         |
| R114               | B             | 59  | 129 | 11C           | 5         | R188               | A             | 249 | 17  | 11E           | 13        | R264               | A             | 90  | 132 | 3E            | 6         |
| R115               | B             | 57  | 129 | 10C           | 5         | R189               | B             | 271 | 38  | 4D            | 13        | R265               | B             | 94  | 135 | 5C            | 6         |
| R116               | B             | 61  | 132 | 11D           | 5         | R191               | A             | 214 | 31  | 3B            | 14        | R266               | B             | 89  | 137 | 5C            | 6         |
| R117               | B             | 56  | 132 | 10D           | 5         | R192               | A             | 214 | 29  | 3B            | 14        | R267               | B             | 104 | 127 | 7D            | 6         |
| R118               | A             | 60  | 118 | 11E           | 5         | R193               | A             | 214 | 27  | 3B            | 14        | R268               | B             | 100 | 127 | 7D            | 6         |



**ROHDE & SCHWARZ**

Benennung: EE IQ-CONVERTER  
Designation: IQ-CONVERTER

Sprache:  
Lang.: de

Blatt:  
Sh.: 6 +

Aei:  
C.I.: 04.05

Typ:  
Type: SMIQ

Datum:  
Date: 99-02-03

Abteilung:  
Dpt: 1GPK

Name:  
Name: BU

Sachnr.:  
Part No.: 1084.9300.01 XY



# Nicht-Servicerelevante Bauteile / Non-Servicerelevant Components

| el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg |
|--------------------|---------------|-----|-----|---------------|-----------|--------------------|---------------|-----|-----|---------------|-----------|--------------------|---------------|-----|-----|---------------|-----------|
| R269               | B             | 87  | 125 | 4D            | 6         | R343               | B             | 239 | 134 | 8B            | 7         | R417               | A             | 197 | 77  | 7B            | 11        |
| R270               | B             | 87  | 129 | 4D            | 6         | R344               | B             | 177 | 79  | 5C            | 11        | R418               | A             | 280 | 28  | 3D            | 13        |
| R271               | A             | 22  | 97  | 2E            | 5         | R345               | B             | 176 | 63  | 5D            | 11        | R419               | A             | 224 | 106 | 2D            | 10        |
| R272               | B             | 14  | 95  | 3B            | 5         | R346               | B             | 203 | 71  | 7A            | 11        | R420               | A             | 241 | 134 | 7C            | 7         |
| R273               | A             | 68  | 27  | 4D            | 3         | R347               | B             | 184 | 35  | 3B            | 14        | R421               | A             | 81  | 87  | 5A            | 15        |
| R274               | B             | 38  | 25  | 2B            | 3         | R348               | B             | 208 | 24  | 3B            | 14        | R422               | A             | 97  | 86  | 8A            | 15        |
| R275               | B             | 43  | 26  | 2B            | 3         | R349               | B             | 196 | 20  | 2C            | 14        | R423               | A             | 112 | 86  | 11A           | 15        |
| R276               | B             | 76  | 27  | 5C            | 3         | R350               | B             | 179 | 27  | 2E            | 14        | R424               | A             | 127 | 87  | 8C            | 15        |
| R277               | B             | 71  | 27  | 5D            | 3         | R351               | B             | 185 | 27  | 2D            | 14        | R425               | A             | 81  | 74  | 2A            | 15        |
| R278               | B             | 83  | 17  | 5C            | 3         | R352               | B             | 190 | 27  | 2C            | 14        | R426               | A             | 205 | 82  | 7B            | 11        |
| R279               | B             | 86  | 15  | 5D            | 3         | R353               | B             | 110 | 119 | 8C            | 6         | R427               | A             | 279 | 30  | 3D            | 13        |
| R280               | B             | 72  | 15  | 4D            | 3         | R354               | B             | 93  | 38  | 7C            | 3         | R428               | B             | 287 | 36  | 5B            | 13        |
| R281               | B             | 73  | 20  | 4C            | 3         | R355               | B             | 84  | 42  | 7C            | 3         | R429               | B             | 285 | 36  | 5B            | 13        |
| R282               | A             | 237 | 107 | 2D            | 10        | R356               | A             | 28  | 88  | 7E            | 2         | R430               | B             | 89  | 123 | 4D            | 6         |
| R283               | B             | 91  | 51  | 8B            | 3         | R357               | A             | 16  | 114 | 3E            | 5         | R431               | B             | 59  | 118 | 11B           | 5         |
| R284               | B             | 88  | 49  | 8B            | 3         | R358               | A             | 62  | 132 | 7E            | 5         | R432               | B             | 42  | 108 | 1C            | 5         |
| R285               | B             | 81  | 50  | 8C            | 3         | R359               | A             | 22  | 99  | 1E            | 5         | R433               | A             | 212 | 96  | 4E            | 9         |
| R286               | B             | 74  | 46  | 8C            | 3         | R360               | A             | 175 | 103 | 4D            | 9         | R434               | A             | 212 | 98  | 4E            | 9         |
| R287               | B             | 71  | 50  | 9C            | 3         | R361               | A             | 202 | 129 | 4C            | 7         | R435               | A             | 244 | 113 | 2E            | 10        |
| R288               | B             | 45  | 73  | 6C            | 4         | R362               | A             | 169 | 74  | 4D            | 11        | R436               | A             | 242 | 113 | 2E            | 10        |
| R289               | B             | 39  | 71  | 6C            | 4         | R363               | A             | 275 | 51  | 7C            | 13        | R437               | A             | 172 | 124 | 2E            | 7         |
| R290               | B             | 44  | 66  | 5C            | 4         | R364               | A             | 300 | 48  | 5E            | 13        | R438               | A             | 223 | 123 | 4E            | 7         |
| R291               | B             | 35  | 62  | 5B            | 4         | R365               | A             | 281 | 37  | 7E            | 13        | R439               | A             | 271 | 134 | 2E            | 8         |
| R292               | B             | 32  | 63  | 5B            | 4         | R366               | A             | 280 | 36  | 7E            | 13        | R440               | A             | 170 | 124 | 2E            | 7         |
| R293               | B             | 40  | 79  | 7C            | 4         | R367               | A             | 114 | 63  | 9B            | 15        | R441               | A             | 225 | 123 | 4E            | 7         |
| R294               | B             | 32  | 80  | 7C            | 4         | R368               | A             | 104 | 77  | 11B           | 15        | R442               | A             | 273 | 134 | 2E            | 8         |
| R295               | B             | 51  | 39  | 3D            | 4         | R369               | A             | 121 | 77  | 9D            | 15        | R443               | A             | 186 | 77  | 4E            | 11        |
| R296               | B             | 51  | 44  | 3C            | 4         | R370               | A             | 117 | 65  | 11D           | 15        | R444               | A             | 188 | 77  | 4E            | 11        |
| R297               | B             | 40  | 41  | 3C            | 4         | R371               | A             | 123 | 65  | 10D           | 15        | R445               | A             | 221 | 85  | 2E            | 12        |
| R298               | B             | 47  | 52  | 3C            | 4         | R372               | A             | 75  | 75  | 3B            | 15        | R446               | A             | 219 | 85  | 2E            | 12        |
| R299               | B             | 50  | 53  | 3D            | 4         | R373               | A             | 72  | 71  | 6B            | 15        | R447               | B             | 253 | 18  | 10C           | 13        |
| R300               | B             | 37  | 40  | 3D            | 4         | R374               | B             | 130 | 53  | 3B            | 16        | R448               | B             | 208 | 29  | 3B            | 14        |
| R301               | A             | 33  | 87  | 7D            | 2         | R375               | A             | 135 | 57  | 4C            | 16        | R449               | B             | 194 | 35  | 3C            | 14        |
| R302               | A             | 50  | 132 | 7D            | 5         | R376               | A             | 53  | 64  | 6E            | 3         | R450               | B             | 189 | 35  | 3D            | 14        |
| R303               | A             | 153 | 107 | 2E            | 9         | R377               | A             | 173 | 103 | 4D            | 9         | R451               | B             | 198 | 27  | 2B            | 14        |
| R304               | A             | 149 | 79  | 2E            | 11        | R378               | A             | 202 | 127 | 4C            | 7         | R452               | B             | 179 | 35  | 3E            | 14        |
| R305               | A             | 281 | 52  | 5E            | 13        | R379               | A             | 171 | 75  | 4D            | 11        | R453               | B             | 199 | 20  | 2B            | 14        |
| R306               | A             | 258 | 54  | 7D            | 13        | R380               | A             | 55  | 66  | 7E            | 3         | R454               | B             | 182 | 25  | 2B            | 14        |
| R307               | A             | 289 | 37  | 7D            | 13        | R381               | A             | 57  | 43  | 5E            | 3         | R455               | B             | 74  | 88  | 2E            | 15        |
| R308               | A             | 255 | 41  | 7F            | 13        | R382               | A             | 73  | 23  | 3E            | 3         | R456               | A             | 136 | 61  | 3B            | 17        |
| R309               | B             | 228 | 40  | 11D           | 14        | R383               | A             | 42  | 51  | 3E            | 4         | R457               | B             | 61  | 126 | 11C           | 5         |
| R310               | A             | 73  | 88  | 5B            | 15        | R384               | B             | 61  | 120 | 11C           | 5         | R458               | B             | 258 | 27  | 9C            | 13        |
| R311               | A             | 108 | 73  | 8B            | 15        | R385               | B             | 251 | 21  | 10C           | 13        | R459               | A             | 25  | 143 | 5E            | 5         |
| R312               | A             | 108 | 75  | 11B           | 15        | R386               | B             | 18  | 105 | 4B            | 5         | R460               | A             | 27  | 143 | 4E            | 5         |
| R313               | A             | 120 | 75  | 8D            | 15        | R387               | B             | 49  | 120 | 10A           | 5         | R461               | A             | 23  | 143 | 4E            | 5         |
| R314               | A             | 119 | 71  | 11D           | 15        | R388               | B             | 47  | 120 | 9A            | 5         | R462               | B             | 20  | 103 | 4C            | 5         |
| R315               | A             | 120 | 73  | 11D           | 15        | R389               | B             | 45  | 120 | 9A            | 5         | R463               | B             | 234 | 74  | 4B            | 12        |
| R316               | A             | 126 | 72  | 11C           | 15        | R390               | B             | 256 | 107 | 4B            | 10        | R464               | B             | 14  | 114 | 5B            | 5         |
| R317               | A             | 75  | 85  | 3B            | 15        | R391               | B             | 278 | 135 | 4B            | 8         | R465               | B             | 167 | 97  | 2A            | 9         |
| R318               | A             | 127 | 51  | 3C            | 16        | R392               | B             | 275 | 136 | 4B            | 8         | R466               | B             | 169 | 97  | 3A            | 9         |
| R319               | A             | 106 | 138 | 5E            | 6         | R393               | B             | 264 | 25  | 9B            | 13        | R467               | B             | 222 | 93  | 8A            | 9         |
| R320               | B             | 16  | 18  | 3C            | 2         | R394               | B             | 264 | 26  | 9B            | 13        | R468               | B             | 280 | 111 | 7B            | 10        |
| R321               | B             | 20  | 17  | 2C            | 2         | R395               | B             | 264 | 28  | 8B            | 13        | R469               | B             | 180 | 139 | 4B            | 7         |
| R322               | B             | 34  | 140 | 8B            | 5         | R396               | B             | 232 | 76  | 4B            | 12        | R470               | B             | 234 | 138 | 7B            | 7         |
| R323               | B             | 38  | 140 | 9B            | 5         | R397               | A             | 59  | 43  | 5E            | 3         | R471               | B             | 255 | 124 | 1B            | 8         |
| R324               | B             | 55  | 45  | 10B           | 3         | R398               | A             | 62  | 43  | 5E            | 3         | R472               | B             | 299 | 108 | 6B            | 8         |
| R325               | B             | 53  | 45  | 10B           | 3         | R399               | A             | 77  | 23  | 4E            | 3         | R473               | B             | 202 | 82  | 7A            | 11        |
| R326               | B             | 18  | 17  | 2B            | 2         | R400               | A             | 75  | 23  | 3E            | 3         | R474               | B             | 265 | 80  | 7A            | 12        |
| R327               | B             | 35  | 140 | 8B            | 5         | R401               | A             | 42  | 47  | 3E            | 4         | R475               | B             | 163 | 68  | 3A            | 11        |
| R328               | B             | 37  | 14  | 1E            | 6         | R402               | A             | 42  | 49  | 3E            | 4         | R476               | B             | 164 | 68  | 3A            | 11        |
| R329               | B             | 37  | 17  | 2E            | 6         | R403               | B             | 52  | 132 | 10C           | 5         | R477               | B             | 282 | 37  | 5B            | 13        |
| R330               | B             | 82  | 125 | 2D            | 6         | R404               | B             | 54  | 129 | 10C           | 5         | R478               | B             | 282 | 39  | 5B            | 13        |
| R331               | B             | 78  | 127 | 2D            | 6         | R405               | B             | 251 | 27  | 10C           | 13        | R479               | B             | 149 | 49  | 3D            | 17        |
| R332               | B             | 42  | 101 | 9B            | 2         | R406               | B             | 248 | 29  | 10C           | 13        | R480               | B             | 134 | 51  | 3A            | 17        |
| R333               | B             | 35  | 96  | 2C            | 5         | R407               | A             | 250 | 21  | 10D           | 13        | R481               | B             | 111 | 69  | 3A            | 17        |
| R334               | B             | 32  | 101 | 2C            | 5         | R408               | A             | 63  | 109 | 10B           | 17        | R482               | B             | 162 | 47  | 3B            | 17        |
| R335               | B             | 27  | 95  | 2C            | 5         | R409               | A             | 196 | 68  | 10E           | 17        | R483               | B             | 104 | 115 | 3B            | 6         |
| R336               | B             | 56  | 113 | 11B           | 5         | R410               | A             | 251 | 100 | 8E            | 17        | R484               | B             | 104 | 117 | 3B            | 6         |
| R337               | B             | 38  | 107 | 1C            | 5         | R411               | A             | 247 | 135 | 6E            | 17        | R485               | B             | 90  | 25  | 6C            | 3         |
| R338               | B             | 181 | 109 | 4B            | 9         | R412               | A             | 99  | 113 | 6C            | 17        | R486               | B             | 62  | 51  | 9C            | 3         |
| R339               | B             | 180 | 94  | 4C            | 9         | R413               | B             | 22  | 102 | 4C            | 5         | R487               | B             | 256 | 110 | 4C            | 10        |
| R340               | B             | 226 | 98  | 8A            | 9         | R414               | B             | 22  | 100 | 3C            | 5         | R488               | B             | 51  | 28  | 3B            | 3         |
| R341               | B             | 193 | 135 | 5C            | 7         | R415               | B             | 22  | 99  | 3C            | 5         | R489               | B             | 81  | 33  | 6B            | 3         |
| R342               | B             | 189 | 135 | 4C            | 7         | R416               | A             | 238 | 139 | 7C            | 7         | R490               | B             | 278 | 136 | 4C            | 8         |

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**ROHDE & SCHWARZ**

Benennung: EE IQ-CONVERTER  
Designation: IQ-CONVERTER

Sprache:  
Lang.: de

Blatt:  
Sh.: 7 +

Aei:  
C.I.: 04.05

Typ: SMIQ  
Type:

Datum: 99-02-03  
Date:

Abteilung: 1GPK  
Dpt:

Name: BU  
Name:

Sachnr.: 1084.9300.01 XY  
Part No.:



# Nicht-Service-Relevante Bauteile / Non-Service-Relevant Components

| el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg |
|--------------------|---------------|-----|-----|---------------|-----------|--------------------|---------------|-----|-----|---------------|-----------|--------------------|---------------|-----|-----|---------------|-----------|
| R491               | B             | 58  | 39  | 10B           | 3         | R566               | B             | 13  | 105 | 4C            | 5         | R642               | A             | 252 | 141 | 1F            | 8         |
| R492               | B             | 34  | 57  | 5B            | 4         | R567               | A             | 175 | 94  | 3D            | 9         | R643               | A             | 224 | 65  | 2F            | 12        |
| R494               | B             | 61  | 105 | 9D            | 5         | R568               | A             | 200 | 132 | 3D            | 7         | R644               | A             | 218 | 61  | 1F            | 12        |
| R495               | B             | 246 | 33  | 11C           | 13        | R569               | A             | 173 | 65  | 3D            | 11        | R645               | A             | 217 | 85  | 1E            | 12        |
| R496               | B             | 134 | 67  | 2D            | 16        | R570               | B             | 292 | 18  | 6C            | 13        | R646               | A             | 190 | 63  | 4F            | 11        |
| R497               | A             | 61  | 116 | 11E           | 5         | R571               | B             | 285 | 26  | 6B            | 13        | R647               | A             | 182 | 62  | 3F            | 11        |
| R498               | B             | 59  | 121 | 11C           | 5         | R574               | B             | 267 | 44  | 3C            | 13        | R648               | A             | 184 | 76  | 4E            | 11        |
| R499               | B             | 224 | 103 | 8B            | 9         | R575               | A             | 113 | 49  | 4D            | 16        | R649               | A             | 146 | 83  | 1F            | 11        |
| R500               | B             | 253 | 21  | 10C           | 13        | R576               | A             | 119 | 47  | 4E            | 16        | R650               | A             | 153 | 83  | 2F            | 11        |
| R501               | A             | 254 | 21  | 11E           | 13        | R577               | B             | 246 | 39  | 6B            | 17        | R651               | A             | 155 | 78  | 2E            | 11        |
| R502               | B             | 111 | 122 | 8C            | 6         | R578               | B             | 77  | 103 | 6C            | 17        | R652               | A             | 188 | 67  | 4E            | 11        |
| R503               | B             | 113 | 122 | 9C            | 6         | R579               | A             | 93  | 55  | 9D            | 17        | R653               | A             | 221 | 75  | 2E            | 12        |
| R504               | B             | 62  | 46  | 10B           | 3         | R580               | A             | 147 | 60  | 6E            | 17        | R654               | A             | 277 | 53  | 7D            | 13        |
| R505               | B             | 86  | 25  | 6B            | 3         | R581               | A             | 56  | 89  | 10A           | 17        | R655               | A             | 299 | 51  | 5E            | 13        |
| R506               | B             | 38  | 54  | 4B            | 4         | R582               | A             | 116 | 110 | 9C            | 6         | R656               | A             | 283 | 39  | 8E            | 13        |
| R507               | A             | 39  | 87  | 8D            | 2         | R583               | B             | 59  | 55  | 9C            | 3         | R657               | A             | 263 | 32  | 11D           | 13        |
| R508               | A             | 32  | 122 | 5F            | 5         | R584               | A             | 59  | 58  | 6F            | 3         | R658               | A             | 246 | 35  | 11C           | 13        |
| R509               | A             | 52  | 129 | 8D            | 5         | R585               | B             | 32  | 26  | 1C            | 3         | R659               | A             | 176 | 65  | 4D            | 11        |
| R510               | A             | 15  | 139 | 4E            | 5         | R586               | B             | 35  | 22  | 2C            | 3         | R660               | A             | 207 | 72  | 7C            | 11        |
| R511               | A             | 26  | 131 | 4F            | 5         | R587               | B             | 92  | 19  | 6C            | 3         | R661               | A             | 292 | 27  | 3D            | 13        |
| R512               | A             | 168 | 116 | 1F            | 9         | R588               | B             | 36  | 46  | 4C            | 4         | R662               | A             | 285 | 16  | 3F            | 13        |
| R513               | A             | 194 | 93  | 3F            | 9         | R589               | A             | 44  | 116 | 6E            | 5         | R663               | A             | 280 | 16  | 3E            | 13        |
| R514               | A             | 235 | 115 | 1F            | 10        | R590               | A             | 47  | 116 | 6E            | 5         | R664               | A             | 290 | 19  | 3F            | 13        |
| R515               | A             | 174 | 141 | 1F            | 7         | R591               | A             | 50  | 116 | 6E            | 5         | R665               | A             | 274 | 37  | 7E            | 13        |
| R516               | A             | 218 | 140 | 3F            | 7         | R592               | A             | 52  | 117 | 6E            | 5         | R666               | B             | 114 | 75  | 5B            | 14        |
| R517               | A             | 256 | 139 | 1F            | 8         | R593               | A             | 55  | 117 | 7E            | 5         | R667               | B             | 224 | 50  | 6E            | 14        |
| R518               | A             | 222 | 63  | 1F            | 12        | R594               | A             | 283 | 22  | 4E            | 13        | R668               | A             | 81  | 89  | 5B            | 15        |
| R519               | A             | 149 | 83  | 1F            | 11        | R595               | A             | 280 | 22  | 4E            | 13        | R669               | A             | 96  | 88  | 8B            | 15        |
| R520               | A             | 186 | 62  | 3F            | 11        | R596               | A             | 278 | 22  | 3E            | 13        | R670               | A             | 112 | 88  | 11B           | 15        |
| R521               | A             | 273 | 53  | 7C            | 13        | R597               | A             | 275 | 22  | 3E            | 13        | R671               | A             | 127 | 89  | 8D            | 15        |
| R522               | A             | 297 | 53  | 5E            | 13        | R598               | A             | 285 | 22  | 4E            | 13        | R672               | A             | 128 | 76  | 11D           | 15        |
| R523               | A             | 291 | 35  | 7D            | 13        | R599               | A             | 120 | 49  | 3E            | 16        | R673               | A             | 81  | 76  | 2B            | 15        |
| R524               | B             | 38  | 52  | 4C            | 4         | R600               | A             | 63  | 128 | 11D           | 5         | R674               | A             | 146 | 44  | 3B            | 16        |
| R525               | A             | 288 | 16  | 3F            | 13        | R601               | A             | 245 | 25  | 10D           | 13        | R675               | A             | 107 | 141 | 4F            | 6         |
| R526               | A             | 269 | 37  | 7E            | 13        | R602               | A             | 259 | 28  | 11D           | 13        | R677               | A             | 58  | 60  | 6F            | 3         |
| R527               | A             | 128 | 74  | 11C           | 15        | R603               | A             | 61  | 110 | 10B           | 17        | R678               | A             | 78  | 137 | 2F            | 6         |
| R528               | A             | 111 | 141 | 5F            | 6         | R604               | A             | 196 | 72  | 9E            | 17        | R679               | A             | 83  | 133 | 3F            | 6         |
| R529               | A             | 82  | 135 | 2F            | 6         | R605               | A             | 247 | 100 | 8E            | 17        | R680               | A             | 86  | 129 | 3E            | 6         |
| R530               | A             | 173 | 96  | 4D            | 9         | R606               | A             | 244 | 132 | 6E            | 17        | R681               | B             | 276 | 49  | 2D            | 13        |
| R531               | A             | 47  | 15  | 2F            | 3         | R607               | A             | 95  | 113 | 6C            | 17        | R682               | A             | 113 | 133 | 5E            | 6         |
| R532               | A             | 231 | 101 | 1D            | 10        | R608               | A             | 30  | 92  | 8E            | 2         | R683               | A             | 115 | 141 | 5F            | 6         |
| R533               | B             | 64  | 48  | 9B            | 3         | R609               | A             | 30  | 124 | 5F            | 5         | R684               | A             | 66  | 37  | 5E            | 3         |
| R534               | B             | 87  | 24  | 6C            | 3         | R610               | A             | 36  | 121 | 6F            | 5         | R685               | A             | 77  | 14  | 3E            | 3         |
| R535               | B             | 40  | 53  | 4C            | 4         | R611               | A             | 38  | 117 | 6E            | 5         | R686               | A             | 34  | 29  | 2E            | 3         |
| R536               | A             | 125 | 116 | 10D           | 6         | R612               | A             | 59  | 121 | 10D           | 5         | R687               | A             | 46  | 21  | 2E            | 3         |
| R537               | A             | 121 | 116 | 9D            | 6         | R613               | A             | 63  | 130 | 11E           | 5         | R688               | A             | 48  | 20  | 2F            | 3         |
| R538               | A             | 128 | 49  | 3D            | 16        | R614               | A             | 64  | 112 | 9D            | 5         | R689               | A             | 51  | 15  | 2F            | 3         |
| R539               | A             | 42  | 87  | 8D            | 2         | R615               | A             | 56  | 132 | 8E            | 5         | R690               | A             | 34  | 45  | 3E            | 4         |
| R540               | A             | 17  | 105 | 3E            | 5         | R616               | A             | 25  | 135 | 4E            | 5         | R691               | B             | 175 | 93  | 4D            | 9         |
| R541               | A             | 35  | 128 | 6E            | 5         | R617               | A             | 25  | 133 | 4F            | 5         | R692               | B             | 197 | 125 | 4D            | 7         |
| R542               | A             | 52  | 125 | 8D            | 5         | R618               | A             | 22  | 129 | 4F            | 5         | R693               | B             | 172 | 65  | 4D            | 11        |
| R543               | A             | 20  | 133 | 4E            | 5         | R619               | B             | 23  | 94  | 3C            | 5         | R694               | B             | 63  | 64  | 7E            | 3         |
| R544               | A             | 43  | 109 | 2D            | 5         | R620               | A             | 160 | 106 | 2E            | 9         | R695               | A             | 123 | 69  | 10D           | 15        |
| R545               | A             | 288 | 51  | 6E            | 13        | R621               | A             | 162 | 118 | 1F            | 9         | R696               | A             | 126 | 125 | 10E           | 6         |
| R546               | A             | 293 | 37  | 8D            | 13        | R622               | A             | 167 | 114 | 2F            | 9         | R697               | A             | 72  | 85  | 6B            | 15        |
| R547               | A             | 247 | 21  | 10E           | 13        | R623               | A             | 198 | 93  | 4F            | 9         | R698               | A             | 108 | 68  | 8B            | 15        |
| R548               | A             | 265 | 37  | 7E            | 13        | R624               | A             | 190 | 93  | 3F            | 9         | R699               | A             | 112 | 81  | 11B           | 15        |
| R549               | A             | 198 | 133 | 3D            | 7         | R625               | A             | 212 | 100 | 4E            | 9         | R700               | A             | 115 | 81  | 8D            | 15        |
| R550               | A             | 271 | 15  | 3E            | 13        | R626               | A             | 203 | 93  | 4E            | 9         | R701               | A             | 81  | 82  | 3B            | 15        |
| R551               | A             | 267 | 53  | 8C            | 13        | R627               | A             | 239 | 115 | 2F            | 10        | R702               | A             | 147 | 41  | 3B            | 16        |
| R552               | A             | 141 | 40  | 4A            | 16        | R628               | A             | 231 | 115 | 1F            | 10        | R703               | A             | 120 | 54  | 3D            | 16        |
| R553               | A             | 141 | 37  | 4B            | 16        | R629               | A             | 240 | 113 | 1E            | 10        | R704               | A             | 128 | 46  | 3E            | 16        |
| R554               | A             | 244 | 124 | 6E            | 17        | R630               | A             | 245 | 115 | 2E            | 10        | R705               | A             | 153 | 41  | 3A            | 16        |
| R555               | A             | 245 | 93  | 8E            | 17        | R631               | A             | 174 | 124 | 1E            | 7         | R706               | B             | 60  | 50  | 10C           | 3         |
| R556               | A             | 195 | 62  | 9E            | 17        | R632               | A             | 178 | 143 | 1F            | 7         | R707               | B             | 58  | 50  | 10C           | 3         |
| R557               | A             | 106 | 131 | 5E            | 6         | R633               | A             | 172 | 141 | 2F            | 7         | R708               | A             | 38  | 29  | 2E            | 3         |
| R558               | A             | 72  | 11  | 4D            | 3         | R634               | A             | 165 | 134 | 2E            | 7         | R709               | A             | 36  | 29  | 2E            | 3         |
| R559               | B             | 22  | 26  | 4B            | 2         | R635               | A             | 212 | 140 | 3F            | 7         | R710               | B             | 89  | 27  | 6C            | 3         |
| R560               | B             | 17  | 32  | 4C            | 2         | R636               | A             | 218 | 138 | 4F            | 7         | R711               | B             | 89  | 28  | 6C            | 3         |
| R561               | B             | 43  | 89  | 8B            | 2         | R637               | A             | 215 | 130 | 4E            | 7         | R712               | B             | 89  | 30  | 6C            | 3         |
| R562               | B             | 36  | 89  | 8C            | 2         | R638               | A             | 227 | 123 | 3E            | 7         | R713               | B             | 57  | 50  | 10C           | 3         |
| R563               | B             | 29  | 142 | 8B            | 5         | R639               | A             | 275 | 134 | 1E            | 8         | R714               | B             | 41  | 59  | 5C            | 4         |
| R564               | B             | 32  | 132 | 8C            | 5         | R640               | A             | 264 | 139 | 2E            | 8         | R715               | B             | 41  | 58  | 5C            | 4         |
| R565               | A             | 234 | 135 | 7D            | 7         | R641               | A             | 258 | 139 | 2F            | 8         | R716               | B             | 41  | 56  | 5C            | 4         |

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|----------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------|--|--------------------|--|-----------------|--|--------------------------|--|
|  <b>ROHDE &amp; SCHWARZ</b> |  | Benennung: EE IQ-CONVERTER<br>Designation: IQ-CONVERTER |  | Sprache: Lang.: de |  | Blatt: Sh.: 8 + |  | Aei: C.I.: 04.05         |  |
| Typ: SMIQ                                                                                                      |  | Datum: 99-02-03                                         |  | Abteilung: 1GPK    |  | Name: BU        |  | Sachnr.: 1084.9300.01 XY |  |
| Type:                                                                                                          |  | Date:                                                   |  | Dpt:               |  | Name:           |  | Part No.:                |  |



# Nicht-Service-Relevante Bauteile / Non-Service-Relevant Components

| el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg |
|--------------------|---------------|-----|-----|---------------|-----------|--------------------|---------------|-----|-----|---------------|-----------|--------------------|---------------|-----|-----|---------------|-----------|
| R717               | A             | 17  | 87  | 1E            | 5         | R791               | B             | 223 | 62  | 2C            | 12        | V9                 | A             | 208 | 98  | 4E            | 9         |
| R718               | A             | 150 | 105 | 2E            | 9         | R792               | B             | 210 | 66  | 1C            | 12        | V10                | A             | 244 | 109 | 2E            | 10        |
| R719               | A             | 202 | 98  | 4E            | 9         | R793               | B             | 210 | 71  | 1C            | 12        | V11                | A             | 168 | 128 | 2E            | 7         |
| R720               | A             | 242 | 103 | 1E            | 10        | R794               | B             | 222 | 74  | 3B            | 12        | V12                | A             | 222 | 127 | 4E            | 7         |
| R721               | A             | 168 | 132 | 1E            | 7         | R795               | B             | 223 | 70  | 3C            | 12        | V13                | A             | 273 | 138 | 2E            | 8         |
| R722               | A             | 220 | 131 | 3E            | 7         | R796               | A             | 269 | 101 | 4E            | 10        | V14                | A             | 195 | 128 | 4D            | 7         |
| R723               | A             | 274 | 141 | 1E            | 8         | R797               | A             | 267 | 102 | 3E            | 10        | V15                | A             | 174 | 71  | 4D            | 11        |
| R724               | A             | 213 | 80  | 1E            | 12        | R798               | A             | 300 | 110 | 4E            | 8         | V16                | A             | 219 | 81  | 2E            | 12        |
| R725               | A             | 183 | 69  | 4E            | 11        | R799               | A             | 300 | 108 | 4E            | 8         | V17                | A             | 186 | 73  | 4E            | 11        |
| R726               | A             | 145 | 76  | 2E            | 11        | R800               | A             | 257 | 70  | 4E            | 12        | V18                | A             | 152 | 76  | 2E            | 11        |
| R727               | A             | 272 | 22  | 3E            | 13        | R801               | A             | 255 | 70  | 3E            | 12        | V19                | B             | 128 | 115 | 10C           | 6         |
| R728               | A             | 226 | 50  | 10D           | 14        | R802               | B             | 253 | 113 | 4B            | 10        | V20                | A             | 275 | 16  | 3E            | 13        |
| R729               | B             | 128 | 121 | 10B           | 6         | R803               | B             | 269 | 143 | 3B            | 8         | V21                | A             | 108 | 135 | 5E            | 6         |
| R730               | A             | 89  | 123 | 3E            | 6         | R804               | B             | 272 | 133 | 3B            | 8         | V22                | B             | 134 | 117 | 10B           | 6         |
| R731               | A             | 121 | 107 | 9D            | 6         | R805               | B             | 227 | 84  | 4A            | 12        | V23                | A             | 96  | 126 | 3E            | 6         |
| R732               | A             | 33  | 23  | 2E            | 3         | R806               | A             | 279 | 116 | 3F            | 10        | V24                | A             | 117 | 114 | 9D            | 6         |
| R733               | A             | 18  | 115 | 3E            | 5         | R807               | A             | 276 | 125 | 3F            | 8         | V25                | A             | 121 | 120 | 9E            | 6         |
| R734               | A             | 20  | 115 | 3E            | 5         | R808               | A             | 250 | 83  | 3F            | 12        | V26                | A             | 125 | 120 | 10E           | 6         |
| R735               | A             | 22  | 115 | 3E            | 5         | R809               | A             | 270 | 112 | 4E            | 10        | V27                | A             | 79  | 20  | 3E            | 3         |
| R736               | B             | 173 | 109 | 4B            | 9         | R810               | A             | 271 | 101 | 3E            | 10        | V28                | A             | 64  | 40  | 5E            | 3         |
| R737               | B             | 169 | 80  | 4B            | 11        | R811               | A             | 282 | 116 | 3F            | 10        | V29                | A             | 60  | 64  | 6E            | 3         |
| R738               | B             | 96  | 114 | 2C            | 6         | R812               | A             | 274 | 116 | 3F            | 10        | V30                | A             | 42  | 27  | 2E            | 3         |
| R739               | B             | 289 | 53  | 2B            | 13        | R813               | A             | 286 | 125 | 4E            | 8         | V31                | A             | 42  | 45  | 3E            | 4         |
| R740               | A             | 33  | 118 | 6E            | 5         | R814               | A             | 278 | 125 | 4F            | 8         | V32                | B             | 17  | 23  | 3B            | 2         |
| R741               | A             | 72  | 77  | 6B            | 15        | R815               | A             | 274 | 129 | 3F            | 8         | V33                | B             | 17  | 30  | 3C            | 2         |
| R742               | A             | 110 | 65  | 9B            | 15        | R816               | A             | 299 | 113 | 3E            | 8         | V34                | B             | 21  | 23  | 3B            | 2         |
| R743               | A             | 106 | 79  | 11B           | 15        | R817               | A             | 255 | 83  | 3F            | 12        | V35                | B             | 36  | 93  | 8C            | 2         |
| R744               | A             | 119 | 79  | 9D            | 15        | R818               | A             | 259 | 68  | 4E            | 12        | V36                | B             | 42  | 91  | 8B            | 2         |
| R745               | A             | 121 | 67  | 11D           | 15        | R819               | A             | 247 | 83  | 3F            | 12        | V37                | B             | 40  | 92  | 8B            | 2         |
| R746               | A             | 75  | 81  | 3B            | 15        | R820               | A             | 253 | 70  | 3E            | 12        | V38                | B             | 26  | 100 | 2C            | 5         |
| R747               | A             | 126 | 61  | 2D            | 16        | R821               | A             | 273 | 111 | 3E            | 10        | V39                | B             | 24  | 136 | 8B            | 5         |
| R748               | A             | 22  | 95  | 2E            | 5         | R822               | A             | 295 | 124 | 3E            | 8         | V40                | B             | 28  | 133 | 8C            | 5         |
| R749               | A             | 22  | 93  | 2E            | 5         | R823               | A             | 252 | 62  | 3E            | 12        | V41                | B             | 27  | 141 | 8B            | 5         |
| R750               | A             | 108 | 139 | 5E            | 6         | R824               | B             | 272 | 136 | 3C            | 8         | V42                | B             | 34  | 101 | 2C            | 5         |
| R751               | A             | 110 | 139 | 5E            | 6         | R825               | A             | 57  | 140 | 10D           | 5         | V43                | B             | 184 | 104 | 4B            | 9         |
| R752               | A             | 114 | 139 | 5E            | 6         | R826               | A             | 52  | 140 | 10C           | 5         | V44                | B             | 194 | 130 | 5B            | 7         |
| R753               | A             | 112 | 139 | 5E            | 6         | R827               | B             | 64  | 142 | 10E           | 5         | V45                | B             | 180 | 74  | 4B            | 11        |
| R754               | B             | 21  | 110 | 5C            | 5         | R828               | B             | 258 | 29  | 9D            | 13        | V46                | B             | 283 | 20  | 7C            | 13        |
| R755               | B             | 21  | 108 | 4C            | 5         | R829               | A             | 255 | 33  | 9D            | 13        | V47                | B             | 283 | 25  | 6B            | 13        |
| R756               | B             | 21  | 107 | 4C            | 5         | R830               | A             | 258 | 34  | 9E            | 13        | V48                | B             | 288 | 18  | 6C            | 13        |
| R757               | B             | 239 | 35  | 3D            | 14        | R831               | A             | 61  | 140 | 10D           | 5         | V49                | B             | 272 | 53  | 2C            | 13        |
| R758               | A             | 111 | 113 | 7C            | 17        | R832               | A             | 63  | 140 | 10E           | 5         | V50                | B             | 262 | 52  | 2D            | 13        |
| R759               | A             | 256 | 134 | 7E            | 17        | R833               | B             | 156 | 71  | 2C            | 11        | V51                | B             | 280 | 46  | 2A            | 13        |
| R760               | A             | 263 | 98  | 9E            | 17        | R834               | B             | 194 | 81  | 6B            | 11        | V52                | B             | 279 | 53  | 2C            | 13        |
| R761               | A             | 207 | 69  | 10E           | 17        | R835               | B             | 241 | 73  | 5B            | 12        | V53                | B             | 271 | 48  | 2C            | 13        |
| R762               | B             | 55  | 47  | 10B           | 3         | R836               | B             | 222 | 66  | 2C            | 12        | V54                | B             | 113 | 124 | 8C            | 6         |
| R763               | B             | 57  | 120 | 10B           | 5         | R837               | B             | 159 | 102 | 2C            | 9         | V55                | B             | 86  | 40  | 7B            | 3         |
| R764               | B             | 255 | 20  | 10C           | 13        | R838               | B             | 240 | 98  | 3C            | 10        | V56                | B             | 222 | 52  | 6E            | 14        |
| R765               | A             | 105 | 69  | 3C            | 17        | R839               | B             | 269 | 103 | 5C            | 10        | V57                | B             | 21  | 78  | 6C            | 2         |
| R766               | B             | 68  | 21  | 4C            | 3         | R840               | B             | 135 | 112 | 11B           | 6         | V58                | B             | 63  | 140 | 10D           | 5         |
| R767               | B             | 17  | 38  | 4C            | 2         | U1                 | A             | 84  | 85  | 3E            | 15        | V59                | B             | 59  | 127 | 10C           | 5         |
| R768               | B             | 14  | 37  | 4C            | 2         | U1                 | A             | 84  | 85  | 5B            | 15        | V60                | B             | 258 | 32  | 9D            | 13        |
| R769               | B             | 15  | 72  | 6C            | 2         | U2                 | A             | 99  | 85  | 6E            | 15        | V61                | B             | 255 | 27  | 10C           | 13        |
| R770               | B             | 15  | 74  | 6C            | 2         | U2                 | A             | 99  | 85  | 7B            | 15        | V62                | B             | 104 | 125 | 7D            | 6         |
| R771               | B             | 117 | 126 | 8C            | 6         | U3                 | A             | 115 | 85  | 10B           | 15        | V63                | B             | 40  | 78  | 7C            | 4         |
| R772               | B             | 68  | 19  | 4C            | 3         | U3                 | A             | 115 | 85  | 5E            | 15        | V64                | A             | 15  | 112 | 3E            | 5         |
| R773               | B             | 70  | 22  | 4C            | 3         | U4                 | A             | 130 | 85  | 4E            | 15        | V65                | A             | 38  | 125 | 6E            | 5         |
| R774               | B             | 259 | 51  | 2D            | 13        | U4                 | A             | 130 | 85  | 7D            | 15        | V66                | A             | 18  | 95  | 1E            | 5         |
| R775               | B             | 119 | 110 | 9B            | 6         | U5                 | A             | 130 | 73  | 10D           | 15        | V67                | A             | 19  | 139 | 4E            | 5         |
| R776               | A             | 38  | 101 | 10D           | 2         | U5                 | A             | 130 | 73  | 3E            | 15        | V68                | A             | 177 | 99  | 4D            | 9         |
| R777               | A             | 30  | 101 | 9D            | 2         | U6                 | A             | 84  | 73  | 1E            | 15        | V69                | A             | 153 | 105 | 2E            | 9         |
| R778               | B             | 242 | 95  | 3C            | 10        | U6                 | A             | 84  | 73  | 2B            | 15        | V70                | A             | 209 | 100 | 4E            | 9         |
| R779               | B             | 232 | 95  | 2C            | 10        | U7                 | B             | 230 | 43  | 10D           | 14        | V71                | A             | 242 | 109 | 1E            | 10        |
| R780               | B             | 232 | 98  | 2C            | 10        | U7                 | B             | 230 | 43  | 10D           | 14        | V72                | A             | 173 | 128 | 1E            | 7         |
| R781               | B             | 242 | 104 | 3D            | 10        | U7                 | B             | 230 | 43  | 6F            | 14        | V73                | A             | 227 | 127 | 3E            | 7         |
| R782               | B             | 241 | 111 | 3D            | 10        | U8                 | B             | 73  | 123 | 1D            | 6         | V74                | A             | 276 | 137 | 1E            | 8         |
| R783               | B             | 293 | 129 | 5C            | 8         | V1                 | B             | 70  | 87  | 2F            | 15        | V75                | A             | 200 | 128 | 4D            | 7         |
| R784               | B             | 259 | 136 | 2C            | 8         | V2                 | A             | 268 | 105 | 3E            | 10        | V76                | A             | 171 | 70  | 4D            | 11        |
| R785               | B             | 284 | 135 | 4C            | 8         | V3                 | A             | 17  | 111 | 3E            | 5         | V77                | A             | 217 | 83  | 1E            | 12        |
| R786               | B             | 260 | 131 | 2C            | 8         | V4                 | A             | 42  | 121 | 6E            | 5         | V78                | A             | 184 | 74  | 4E            | 11        |
| R787               | B             | 290 | 127 | 5C            | 8         | V5                 | A             | 20  | 91  | 2E            | 5         | V79                | A             | 149 | 77  | 2E            | 11        |
| R788               | B             | 293 | 135 | 5C            | 8         | V6                 | A             | 24  | 139 | 4E            | 5         | V80                | A             | 226 | 104 | 2D            | 10        |
| R789               | B             | 294 | 138 | 4D            | 8         | V7                 | A             | 179 | 100 | 4D            | 9         | V81                | A             | 273 | 20  | 3E            | 13        |
| R790               | B             | 282 | 138 | 4C            | 8         | V8                 | A             | 156 | 104 | 2E            | 9         | V82                | A             | 106 | 136 | 5E            | 6         |

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**ROHDE & SCHWARZ**

Benennung: EE IQ-CONVERTER  
Designation: IQ-CONVERTER

Sprache:  
Lang.: de

Blatt:  
Sh.: 9 +

Aei:  
C.I.: 04.05

Typ: SMIQ

Datum: 99-02-03  
Date:

Abteilung: 1GPK  
Dpt:

Name: BU  
Name:

Sachnr.: 1084.9300.01 XY  
Part No.:



# Nicht-Service-Beachteile / Non-Service-Relevant Components

| el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg |
|--------------------|---------------|-----|-----|---------------|-----------|--------------------|---------------|-----|-----|---------------|-----------|--------------------|---------------|-----|-----|---------------|-----------|
| V83                | A             | 241 | 130 | 7D            | 7         | V139               | B             | 189 | 66  | 6C            | 11        | V195               | A             | 252 | 127 | 7E            | 17        |
| V84                | A             | 90  | 130 | 3E            | 6         | V140               | B             | 257 | 77  | 6C            | 12        | V196               | A             | 257 | 91  | 8E            | 17        |
| V85                | A             | 118 | 111 | 9D            | 6         | V141               | B             | 162 | 85  | 4C            | 11        | V197               | A             | 203 | 62  | 10E           | 17        |
| V86                | A             | 74  | 19  | 3E            | 3         | V142               | B             | 269 | 15  | 8B            | 13        | V198               | B             | 81  | 17  | 5C            | 3         |
| V87                | A             | 59  | 39  | 5E            | 3         | V143               | B             | 89  | 141 | 4C            | 6         | V199               | B             | 75  | 20  | 4C            | 3         |
| V88                | A             | 55  | 64  | 6E            | 3         | V144               | B             | 91  | 130 | 4D            | 6         | V200               | B             | 42  | 42  | 4C            | 4         |
| V89                | A             | 37  | 26  | 2E            | 3         | V145               | B             | 264 | 39  | 4C            | 13        | V201               | B             | 49  | 45  | 3C            | 4         |
| V90                | A             | 38  | 50  | 3E            | 4         | V146               | B             | 38  | 29  | 2B            | 3         | V202               | B             | 127 | 110 | 10C           | 6         |
| V91                | B             | 163 | 105 | 2B            | 9         | V147               | B             | 20  | 106 | 4C            | 5         | V205               | A             | 256 | 66  | 3E            | 12        |
| V92                | B             | 168 | 105 | 3B            | 9         | V148               | B             | 61  | 48  | 10B           | 3         | V206               | A             | 270 | 105 | 3E            | 10        |
| V93                | B             | 174 | 105 | 3B            | 9         | V149               | B             | 87  | 27  | 6C            | 3         | V207               | A             | 295 | 115 | 3E            | 8         |
| V94                | B             | 169 | 76  | 3B            | 11        | V150               | B             | 40  | 56  | 5C            | 4         | V208               | A             | 253 | 67  | 3E            | 12        |
| V95                | B             | 164 | 76  | 3B            | 11        | V151               | A             | 128 | 43  | 4E            | 16        | V209               | B             | 239 | 113 | 3D            | 10        |
| V96                | B             | 158 | 76  | 2B            | 11        | V152               | A             | 108 | 54  | 4D            | 16        | V210               | B             | 257 | 138 | 2C            | 8         |
| V97                | A             | 206 | 78  | 7C            | 11        | V153               | B             | 17  | 63  | 5C            | 2         | V211               | B             | 225 | 66  | 3C            | 12        |
| V98                | A             | 282 | 30  | 3D            | 13        | V154               | B             | 15  | 63  | 5C            | 2         | V212               | B             | 239 | 98  | 2C            | 10        |
| V99                | A             | 235 | 104 | 2D            | 10        | V155               | B             | 15  | 65  | 5C            | 2         | V213               | B             | 295 | 129 | 5B            | 8         |
| V100               | B             | 93  | 123 | 4C            | 6         | V156               | B             | 17  | 65  | 5C            | 2         | V214               | B             | 291 | 135 | 5C            | 8         |
| V101               | B             | 93  | 118 | 3C            | 6         | V157               | B             | 19  | 45  | 5C            | 2         | V215               | B             | 285 | 135 | 4C            | 8         |
| V102               | B             | 93  | 112 | 2C            | 6         | V158               | B             | 17  | 45  | 5C            | 2         | V216               | B             | 219 | 68  | 2C            | 12        |
| V103               | A             | 239 | 135 | 7C            | 7         | V159               | B             | 17  | 44  | 4C            | 2         | V217               | B             | 215 | 71  | 2C            | 12        |
| V104               | A             | 201 | 76  | 7C            | 11        | V160               | B             | 19  | 44  | 4C            | 2         | V218               | B             | 234 | 98  | 2C            | 10        |
| V105               | A             | 282 | 28  | 3D            | 13        | V161               | B             | 205 | 103 | 6B            | 9         | W22                | B             | 40  | 141 | 5B            | 1         |
| V106               | B             | 44  | 126 | 9C            | 5         | V162               | B             | 200 | 103 | 6B            | 9         | X1                 | B             | 257 | 41  | 4B            | 13        |
| V107               | B             | 20  | 122 | 6B            | 5         | V163               | B             | 193 | 103 | 5B            | 9         | X2                 | B             | 48  | 100 | 10B           | 2         |
| V108               | B             | 267 | 19  | 8C            | 13        | V164               | B             | 157 | 102 | 2C            | 9         | X3                 | B             | 122 | 120 | 9C            | 6         |
| V109               | B             | 98  | 139 | 5C            | 6         | V165               | B             | 267 | 103 | 5C            | 10        | X4                 | B             | 51  | 110 | 11B           | 5         |
| V110               | B             | 46  | 116 | 7E            | 5         | V166               | B             | 149 | 134 | 2C            | 7         | X5                 | B             | 227 | 94  | 8A            | 9         |
| V111               | B             | 51  | 116 | 7E            | 5         | V167               | B             | 155 | 134 | 2C            | 7         | X6                 | B             | 240 | 139 | 8B            | 7         |
| V112               | B             | 276 | 13  | 4E            | 13        | V168               | B             | 202 | 133 | 5C            | 7         | X7                 | B             | 203 | 68  | 8A            | 11        |
| V113               | B             | 281 | 13  | 4E            | 13        | V169               | B             | 209 | 133 | 6C            | 7         | X22A               | B             | 40  | 141 | 9B            | 5         |
| V114               | B             | 140 | 46  | 5C            | 16        | V170               | B             | 253 | 132 | 1C            | 8         | X22B               | B             | 295 | 28  | 6C            | 13        |
| V115               | B             | 136 | 46  | 4C            | 16        | V171               | B             | 162 | 131 | 2B            | 7         | X220               | B             | 189 | 13  | 1D            | 14        |
| V116               | A             | 63  | 121 | 11D           | 5         | V172               | B             | 217 | 130 | 6B            | 7         | X221               | B             | 22  | 13  | 2B            | 2         |
| V117               | A             | 264 | 26  | 11D           | 13        | V173               | B             | 148 | 75  | 1C            | 11        | X223               | B             | 37  | 10  | 1E            | 6         |
| V118               | A             | 130 | 126 | 10E           | 6         | V174               | B             | 153 | 72  | 2C            | 11        | X227               | B             | 250 | 13  | 11C           | 13        |
| V119               | B             | 16  | 93  | 2E            | 5         | V175               | B             | 186 | 76  | 5B            | 11        | Z1                 | B             | 239 | 52  | 5A            | 17        |
| V120               | B             | 15  | 116 | 3E            | 5         | V176               | B             | 190 | 79  | 5B            | 11        | Z2                 | B             | 202 | 54  | 5D            | 17        |
| V121               | B             | 231 | 101 | 2B            | 10        | V177               | B             | 241 | 71  | 5B            | 12        | Z3                 | B             | 239 | 47  | 5A            | 17        |
| V122               | B             | 243 | 129 | 8B            | 7         | V178               | B             | 245 | 71  | 5B            | 12        | Z4                 | B             | 116 | 97  | 5B            | 17        |
| V123               | B             | 208 | 72  | 8B            | 11        | V179               | B             | 249 | 71  | 6B            | 12        | Z5                 | B             | 98  | 60  | 8D            | 17        |
| V124               | B             | 98  | 122 | 3E            | 6         | V180               | B             | 83  | 48  | 8C            | 3         | Z6                 | B             | 171 | 29  | 2B            | 17        |
| V125               | A             | 291 | 124 | 4E            | 8         | V181               | B             | 76  | 48  | 8C            | 3         | Z7                 | B             | 70  | 90  | 9A            | 17        |
| V126               | A             | 103 | 112 | 6C            | 17        | V182               | B             | 70  | 48  | 9C            | 3         | Z8                 | B             | 70  | 95  | 9B            | 17        |
| V127               | A             | 249 | 133 | 7E            | 17        | V183               | B             | 43  | 75  | 6C            | 4         | Z9                 | B             | 161 | 29  | 2D            | 17        |
| V128               | A             | 255 | 100 | 8E            | 17        | V184               | B             | 42  | 70  | 6C            | 4         | Z10                | B             | 182 | 29  | 2B            | 14        |
| V129               | A             | 198 | 70  | 10E           | 17        | V185               | B             | 41  | 64  | 6C            | 4         | Z11                | B             | 201 | 22  | 2B            | 14        |
| V130               | A             | 59  | 104 | 10B           | 17        | V186               | B             | 21  | 96  | 3C            | 5         | Z12                | B             | 201 | 27  | 2B            | 14        |
| V131               | B             | 27  | 118 | 5C            | 5         | V187               | B             | 152 | 102 | 1C            | 9         | Z13                | B             | 192 | 29  | 2C            | 14        |
| V132               | B             | 35  | 123 | 9C            | 5         | V188               | B             | 262 | 103 | 5C            | 10        | Z14                | B             | 187 | 29  | 2D            | 14        |
| V133               | B             | 168 | 117 | 4C            | 9         | V189               | B             | 254 | 130 | 1B            | 8         | Z15                | B             | 177 | 29  | 2E            | 14        |
| V134               | B             | 208 | 111 | 6B            | 9         | V190               | B             | 253 | 130 | 1B            | 8         | Z16                | B             | 156 | 29  | 2B            | 17        |
| V135               | B             | 267 | 117 | 6C            | 10        | V191               | B             | 78  | 27  | 5C            | 3         | Z17                | B             | 136 | 29  | 2C            | 17        |
| V136               | B             | 168 | 139 | 2C            | 7         | V192               | B             | 45  | 51  | 3C            | 4         | Z18                | B             | 116 | 29  | 2C            | 17        |
| V137               | B             | 220 | 140 | 6C            | 7         | V193               | A             | 105 | 107 | 7C            | 17        |                    |               |     |     |               |           |
| V138               | B             | 286 | 127 | 5C            | 8         | V194               | A             | 55  | 97  | 11B           | 17        |                    |               |     |     |               |           |

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**ROHDE & SCHWARZ**

Benennung: EE IQ-CONVERTER  
Designation: IQ-CONVERTER

Sprache:  
Lang.: de

Blatt:  
Sh.: 10 -

Aei:  
C.I.: 04.05

Typ: SMIQ  
Type:

Datum: 99-02-03  
Date:

Abteilung: 1GPK  
Dpt:

Name: BU  
Name:

Sachnr.: 1084.9300.01 XY  
Part No.:





**Service Documents**

**Module IQ Modulator and Option B47**

**1084.9800.08**



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Part list  
Coordinates list  
Circuit diagram  
Layout diagram

## 7. Testing and Repair of the Module

### 7.1 Function Description

The IQ Modulator module is divided into the three function units LF Generator, vector modulator and output unit.

The LF Generator is provided as internal modulation signal for FM/QM or AM, but it is also provided at a separate output 'LF out'.

The IQ modulator generates a vector-modulated 300-MHz signal which is required on the IQ converter board for synthesis of a vector-modulated RF carrier. Power ramping, which is necessary for digital mobile radio networks is accomplished by means of an additional amplitude modulator of large bandwidth. Another level control element with a digital control signal allows for fast level attenuation of up to 70 dB for alternative level setting in the time slots. Pulse modulation with an ON/OFF ratio > 80dB is implemented by means of two fast GaAs switches.

The output unit comprises the complete level conditioning and the AM modulator for the output frequency range up to 3.3 GHz. The frequency range below 450 MHz in CW mode or 750 MHz in IQ mode is generated by down-conversion using a 2.4-GHz signal. In CW mode, output signals above 3040 MHz are obtained by up-conversion with the 300-MHz signal of the vector modulator.

#### 7.1.1 LF Generator

The LF Generator supplies a sinewave signal with a frequency which can be set between 0.1 Hz and 1 MHz. The signal is provided at the 'INT1' line with an amplitude of 1 V. In addition, the level from 1 mV to 4V peak can be selected at the output 'LFOUT'.

A Direct Digital Synthesis is the nucleus of the LF generator. The reference frequency of the DDS is 50 MHz. The increment can be set by a 32-bit value. The integrated DA converter provides a 10-bit resolution. All internal registers are assigned '0' by means of a reset component. With power off, the component operates in 'sleep mode' in order to reduce power consumption.

The DDS component supplies a sinewave with a constant amplitude of 2V peak-to-peak and a dc offset of 1V. The summing module N11 adds a constant voltage to the output signal to compensate for the offset. Offset adjustment is performed via R124. The output signal N11 is used as internal modulation signal on 'INT1'.

Level conditioning for the LF output 'LFOUT' follows using the 12-bit DA converter N41. The output amplifier N10 increases the voltage range to 4V peak.

## 7.1.2 Output Unit

### 7.1.2.1 Amplitude Modulator and Preset

The output signal 'IQFIL' of the IQ converter is first applied to the level preset element V9. Thus, the AM modulator can operate at its ideal operating point independent of the level set. The control voltage 'V\_PRESET' which is set via the 8-bit converter U1 is obtained by the internal preset calibration depending on the output frequency and the output level. A difference amplifier V38/V40 with the current source V39 provides for a constant current through the pin diodes in IQ-Off and ALC-OFF modes and thus for a temperature-stabilized attenuation value.

The RF signal passes to the AM modulator V3/V4/V8 via the broadband amplifier V102. Similar to the preset element, this signal is controlled via a difference amplifier V41/V56 with the current source V42 to ensure high temperature-stability with clamped level. The insertion loss of the modulator is compensated by the RF amplifier N4.

### 7.1.2.2 Output Amplifier

The GaAs-switches D55 and D56 route the RF signal either directly to the output amplifier or to the RF input of the down-converter to generate the frequency range below 450 MHz. The pin diodes V108/V110/V170/V171 improve crosstalk in the down-converter mode to better 80dB. They are controlled via the operational amplifier N6.

The 3-stage output amplifier V144/V103/V104 increases the level up to 19 dBm. The working point of the GaAs-Fets is stabilized by the current source V1/V2/V6 for the drain current and a control for the drain voltage through N1/N2.

A harmonic filter which follows the output amplifier V104 improves the harmonics suppression for output frequencies above 1.8 GHz.

A directional coupler consisting of the resistors R511, R902 and R922, applies part of the output power to the peak rectifier V46. The latter is accordingly broadband to cover the complete frequency range. A second charging capacitor C549 can be switched on in addition for output frequencies below 5 MHz. The detector characteristic is linearized using the log module N39, N40 and N41.

The balancing transformer T1 decouples the output power at the floating gate of the transformer.

### 7.1.2.3 Down-conversion

The frequency range below 450 MHz is obtained on the output unit by down-conversion with a 2.4-GHz LO signal. The GaAs switch D56 passes the modulated RF signal to the RF gate of the diode mixer U9. The IF amplifier V148 amplifies the IF signal by approx. 15dB. A succeeding filter suppresses unwanted mixing products such as  $3 \cdot \text{LO} - 2 \cdot \text{RF}$ , and the LO frequency

**7.1.2.4 LO Synthesis**

The LO signal for mixing is derived from the 600-MHz signal of the step synthesis in the 2.4-GHz PLL consisting of the VCO V130, L108, C452 and V111, the divider :4 D44, the phase detector and the PI control N14.

A power divider R291/R294/R293 at the VCO output decouples part of the power and applies it to the LO gate of the mixer U9 via the LO amplifier stages V154, V147 and V99. The control element for the pin diodes is used to adjust the LO level to approx. 17 dBm on the mixer. With mixer active, the amplifier stages V154, V147 and V99 are switched off via their supply voltage.

**7.1.2.5 Level Conditioning**

The command value of level control is given by the 12-bit converter 'LEVEL' D43. The controller of the level control loop N35 allows for selection between two control bandwidths (switch D15). The narrow bandwidth of approx. 5kHz is used in CW mode, the broad one of approx. 20 kHz with AM modulation. For carrier frequencies below 5 MHz the control is always switched slow.

Electronic level blanking is accomplished by the offset current applied via R316 and switched by the signal 'Klemm\_N'. The level is thus prevented from increasing too much after level gaps occurring with change of frequency.

In IQ and ALC OFF modes, the switch D15 and the control signal 'ALC\_ON' are used to switch over the controller N35 to the AF amplifier. In addition, the measured value of the level detector must be disconnected via the switch D8.

AM is performed using an externally applied modulation signal 'EXT1' or internally by means of the 'INT1' signal of the LF generator. Two-tone modulation is achieved by simultaneous modulation with both signals. Either ac coupling (coupling capacitor C606/C607) or dc coupling may be selected for the externally applied modulation signal. Selection is made via switches D9 and D10.

A window comparator N42 monitors the modulation signal with AM with ac coupling to the rated value of 1V peak and supplies an interrupt which is triggered if the deviation from the rated value exceeds 3%. The interrupt triggers a warning message in the display.

The modulation depth is set by the 12-bit DA converter 'AMOD' D42. Its output signal is added to a fixed dc reference 'AM-6V' and is used as reference for the DA converter 'LEVEL' D43 of level setting.

**7.1.3 Vector Modulator****7.1.3.1 LO Conditioning and Modulator**

The vector modulator operates at a fixed frequency of 300 MHz. The 300-MHz signal is obtained from the 600-MHz reference of step synthesis by means of division (:2 divider N28). A 3-stage LO driver V82, V81 and V83 amplifies the signal at the divider output to approx. 25 dBm and passes it to the 90° power divider B1.

The latter generates two 300-MHz carriers with a phase relation of  $90^\circ$ . The phase relation may be varied by  $\pm 20^\circ$  via a tunable phase shifter V123/V125/V122/V124 in the I-path or L50, V127/V126/V128/V129 in the Q-path, each.

The 300-MHz signals are amplified to approx. 17 dBm via the LO drivers V75 and V77 and applied to the LO input of the I-mixer U11 or of the Q-mixer U12. The modulated signal is first amplified at the RF output of the modulation mixer by means of the amplifiers N46 and N47 and then subject to a harmonic filter. The addition of the modulated signals of the I and Q paths is carried out by the  $0^\circ$ -power summer U4.

#### **7.1.3.2 Level Attenuation**

After the addition, the modulated signal is applied to two pin diode attenuators V50, V52 and V53, V71 which are separated by an amplifier N45. The attenuators allow for fast level attenuation by 0 to 70 dB. (transient < 15 $\mu$ s)

With digital modulations, the control elements are used for fast level attenuation in particular time slots (control via input 'X240 A10' 'LEVATT\_MOD') and as electronic attenuator in the operating mode 'LEVEL LEVEL ATTENUATOR MODE ELECTRONIC'.

In the operating mode without level attenuation, two current sources V78 and V76 ensure a constant current of approx. 1mA through the pin diodes. Potentiometer R2 permits to adjust the level at the output X242 by varying this current. N37 is out of operation in this case.

In the operating mode with level attenuation, a current depending on the voltage V\_LEVATT is set by means of N37. The DA converter D46 'LEVATT' permits to vary the voltage V\_LEVATT for setting the attenuation. To determine the converter setting for a desired attenuation value, the IQ detector is used in conjunction with an internally executed calibration routine. (UTILITIES CALIB LEV ATT)

The 0-dB setting for the operating mode with level attenuation is adjusted using potentiometer R1111 such that a DA converter value of approx. 3500 is obtained. The NTC resistor R1129 is used for compensation of the temperature-dependent attenuation of the control elements.

Switchover between impressed current and controlled current is effected by means of switches D12 and D13, both control elements being switched at the same time.

#### **7.1.3.3 Pulse Modulation**

Pulse modulation is enabled by switches D50 und D51. The conversion of the TTL signal to the control signal of the GaAs switches (0V <-> -6V) is made using transistors V134, V136, V158, V159. The inverter D7 permits to invert the pulse polarity.

#### **7.1.3.4 Power Ramping**

Linear power ramping is performed by means of the two analog multipliers in the I and Q path.

To increase the dynamic range of the assembly to >80dB, the switch to the IQ detector D28 is actuated with approx. -40dB attenuation. A comparator

N30 derives the control signal for the switch D28 from the command value of N24.

The linearity of the burst modulator up to an attenuation of approx. 30 dB is adjusted via Poti R807.

With switch D5 the burst control input can be switched off and the command value be replaced by an internally generated reference voltage.

Following the switch D28, the 300-MHz signal is passed via a harmonic filter and a power divider to the two outputs 'IQAUX' X241 and 'IQ300' X242. The signal 'IQAUX' provides the signal at the rear panel of the instrument, while 'IQ300' passes the signal to the 'IQ-Converter' module.

#### **7.1.3.5 IQ Detector**

The GaAs switch D28 allows for routing the signal of the IQ modulator to the level detector V106. The linearization circuit consists of the opamps N25 and N32.

The IQ detector is used for calibrating the IQ modulator and for determination of the level-attenuation setting.

#### **7.1.3.6 IQ Modulation Path**

The I and/or Q-modulation signals are applied to the 50- $\Omega$  termination R370/R369 and/or R372/R371 via the GaAs switches D37 and D54. The switches allow for applying known dc voltages to the modulation inputs for calibration purposes, for operating modes broadband-AM, pulse modulation, and for frequencies above 3040 MHz.

The voltages available are  $\pm 1V$  for calibration of the IQ imbalance,  $\pm 0.707V$  for the quadrature offset and 0V for residual carrier calibration. Two analog multiplexers D16 and D17 allow for selection of the desired calibration reference. The opamp N19 measures the voltages at D17 and D16 and supplies the required current for the 50- $\Omega$  load.

The video multiplexer D40 allows for exchanging the I-channel and the Q-channel. This is necessary, since both sidebands occurring with up-conversion in the IQ converter or down-conversion in the output unit are used to avoid spurious. The exchange may also be made via the firmware.

One analog multiplier D1 in the I-channel and one (D2) in the Q-channel are provided for individual level setting. Two 8-bit DA converters 'ILEV' U2 and 'QLEV' U3 ensure the setting range of approx.  $\pm 25\%$ . Definite variation of the IQ imbalance via the firmware is thus possible as well as adjustment during IQ calibration.

Switching the AM-reference input to the ILev or QLev entries of the multipliers by means of D11 allows an AM during IQ-operation (IQAM). Since power ramping is also implemented with the aid of the multipliers, power ramping and IQAM exclude each other.

The DC offset applied to the Y2 input of the two multipliers permits to compensate for offsets produced ahead of the multiplier. The twofold 12-bit DA converter D61 is available for this purpose. The required calibration is performed internally with the vector modulator calibration.

The dc offset fed at the Z-input of the two multipliers compensates the residual carrier or it is set via the firmware. To this end, two 12-bit

DA converters 'IOFFSET' D45 and 'QOFFSET' D48 are available. With broadband AM, the residual carrier at the I-channel is set to 50% via the DA converter 'IOFFSET'.

The third adjustment quantity, the quadrature, is set using the 12-bit converter 'IQPHASE' D47 and influences directly the phase shifters in the RF path of the LO signal preceding the modulation mixers for I and Q. The opamp N18 is used to derive two negative-phase sequence tuning voltages from the converter output voltage, one of them being passed to the phase shifter in the Q-path, consisting of V126 to V129. The other one is passed to the phase shifter in the I-path which consists of V122 to V125.

#### **7.1.3.7      Option B47 (IQ Filter)**

If the module is enabled for Option B47, the I and Q signals are filtered after the analog multipliers either by a 850-kHz lowpass, 2.5-MHz lowpass, 5-MHz lowpass or 70-MHz lowpass (IQ\_FILTER 850kHz, 2.5MHz, 5MHz or OFF). The two paths are switched by means of FETs which are driven by D59 and N4.

### **7.2              Test Instruments and Utilities**

- Spectrum analyzer FSEA or FSEB
- Level meter NRV with Z51
- DC/AC voltmeter UDS5
- Oscilloscope BOS
- Two DC voltage sources
- AF signal generator AFGU
- SMA attenuator pads 6dB and 10dB
- Signal generator SMHU

### 7.3 Troubleshooting

| <u>Error description</u>            | <u>Remedy</u>                                                                                                                                                                                  |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LF Generator Frequency Error        | 7.4.3.3 Frequency Setting                                                                                                                                                                      |
| LF Generator Level Error            | 7.4.2.1 Adjusting 10-V Reference<br>7.4.3.2 Offset Adjustment<br>7.4.3.4 Amplitude Setting                                                                                                     |
| PLL2.4GHz<br>Out Of Synchronisation | 7.4.4.7 2.4-GHz PLL                                                                                                                                                                            |
| ALC Error CW <450MHz                | 7.4.4.1 Reference Voltage $\pm 6V$<br>7.4.4.5 Setting Preset<br>7.4.4.6 Level Setting<br>7.4.4.7 2.4-GHz PLL<br>7.4.4.8 2.4-GHz LO<br>7.4.4.9 Level Characteristic<br>7.4.4.10 Output Detector |
| ALC Error CW >450, <3040MHz         | 7.4.4.1 Reference Voltages<br>7.4.4.5 Setting Preset<br>7.4.4.6 Level Setting<br>7.4.4.9 Level Characteristic<br>7.4.4.10 Output Detector                                                      |
| ALC Error CW >3040MHz               | 7.4.4.1 Reference Voltages<br>7.4.4.5 Setting Preset<br>7.4.4.6 Level setting<br>7.4.4.9 Level Characteristic<br>7.4.4.10 Output Detector<br>7.4.5 IQ Modulator                                |
| Level Linearity<br>Attenuator Fixed | 7.4.4.10 Output Detector                                                                                                                                                                       |
| Attenuator Electronic               | 7.4.5 IQ Modulator<br>7.4.5.11 Adjustment Level Att.<br>7.4.5.12 Control Level Att.                                                                                                            |
| AM Error                            | 7.4.4.2 Channel Switch<br>7.4.4.3 Setting Modulation Depth<br>7.4.4.5 Setting Preset<br>7.4.4.10 Output Detector                                                                               |
| AM Error with vector modulation     | 7.4.5.5 Offset Compensation<br>7.4.5.15 IQAM                                                                                                                                                   |
| Insufficient Harmonic Suppression   | 7.4.4.5 Setting Preset<br>7.4.8 Operating Points of<br>Amplifier Stages                                                                                                                        |
| Preset Calibration Aborted          | 7.4.4.5 Setting Preset<br>7.4.4.6 Level Setting<br>7.4.4.9 Level Characteristic                                                                                                                |

Error descriptionRemedy

Vector Error Too High

7.4.4.10 Output Detector

7.4.4.9 Level Characteristic

7.4.5.2 Setting Quadrature

7.4.5.3 Setting Imbalance

7.4.5.4 Setting Leakage

7.4.5.8 300-MHz LO

7.4.5.16 Frequency Response  
IQ Modulator

IQ Calibration Aborted

7.4.5.1 Reference Voltages

7.4.5.2 Setting Quadrature

7.4.5.3 Setting Imbalance

7.4.5.4 Setting Leakage

7.4.5.6 IQ-Change and Cal. Switch

7.4.5.8 300-MHz LO

7.4.5.11 Output IQ300

7.4.5.14 IQ Detector

7.4.5.16 Frequency Response  
IQ Modulator

Residual Carrier Too High

7.4.5.4 Setting Leakage

7.4.5.5 Offset Compensation

7.4.5.14 IQ Detector

Error with Power Ramping

7.4.5.9 Power Ramping Control

7.4.5.10 Power Ramping Linearity

Error with Level Attenuation

7.4.5.12 Level Attenuation  
Control

7.4.5.11 Level Attenuation Tuning

Pulse Modulation

7.4.5.13 Pulse Modulation Control

Broadband Noise

7.4.4.11 Broadband Noise Outp. Unit

7.4.5.16 Freq. Resp. IQ Modulator

7.4.5.17 Broadband Noise IQ Mod.

All measured values given without tolerances are recommended values.  
Voltages given without further information mean dc voltages.

At the beginning of each section, the instrument or module is assumed to be in the PRESET state.

The service kit contains an adaptor to make the module accessible. The adaptor is plugged into the chassis instead of the module and the RF connections at the bottom are connected. Then, the module can be plugged into the adaptor.

In the following sections, test and measurement points are quoted which are not available for the modules of the first series. In these cases the description of the test point according to the components is useful.

#### **7.4.1                      Data Transmission and Power Supply**

According to the instrument standard, the module is controlled via a serial interface using the SERBUS-D component. Settings and associated data are given in the Section 'Digital Interfaces'.  
The rated power consumptions of the respective supply voltages can be looked up in the Section 'External Interfaces'.

#### **7.4.2                      Reference and Supply Voltages**

##### **7.4.2.1                  Adjusting 10-V Reference**

- Connect dc voltmeter to P29
- Adjust to 10V  $\pm 0.1\%$  using potentiometer P516
- Setting:                      UTILITIES DIAG TPOINT STATE ON  
                                         UTILITIES DIAG TPOINT TEST POINT 2101
- Check diagnosis voltage to 10V  $\pm 2\%$

##### **7.4.2.2                  Checking the $\pm 5.5$ -V Supply**

- Connect dc voltmeter to P23
- Check the supply voltage to +5.5V  $\pm 0.1$ V
- Connect dc voltmeter to P24
- Check the supply voltage to -5.5V  $\pm 0.1$ V

#### **7.4.3                      LF Generator**

##### **7.4.3.1                  Reference Voltages**

- Connect dc voltmeter to P14
- Check the supply voltage to 1.5V  $\pm 0.2\%$

##### **7.4.3.2                  Offset Adjustment**

- Connect dc voltmeter to P50 (INT1 and LFINT)
- Setting:                      LF\_OUTPUT STATE ON  
                                         LF\_OUTPUT LFGEN\_FREQ 1kHz  
                                         LF\_OUTPUT VOLTAGE 1V
- Adjust the offset voltage to  $\pm 5$ mV using potentiometer R124

**7.4.3.3 Frequency Setting**

- Connect oscilloscope to reference crystal G1 pin3
- Check frequency to 50MHz (TTL)
- Connect frequency counter to LF
- Setting:
  - LF\_OUTPUT STATE ON
  - LF\_OUTPUT LFGEN\_FREQ 1MHz
  - LF\_OUTPUT VOLTAGE 1V
- Check the LF frequency to 1MHz  $\pm 10^{-5}$

**7.4.3.4 Amplitude Setting**

- Connect ac voltmeter to LF
- Setting:
  - LF\_OUTPUT STATE ON
  - LF\_OUTPUT LFGEN\_FREQ 1kHz
  - LF\_OUTPUT VOLTAGE 4mV, 40mV, 400mV, 4V
- Check peak amplitude to 4mV, 40mV, 400mV, 4V  $\pm (1\% + 1\text{mV})$
- Connect ac voltmeter to P50 (INT1 or LF-INT)
- Check peak amplitude to 1V  $\pm 1\%$

**7.4.3.5 Frequency Response**

- Connect ac voltmeter to LF
- Setting:
  - LF\_OUTPUT STATE ON
  - LF\_OUTPUT LFGEN\_FREQ 10Hz to 1MHz
  - LF\_OUTPUT VOLTAGE 1V
- Reference measurement at 10Hz
- Check level to 0.4dB deviation up to 100kHz, 3dB to 1MHz
- Connect ac voltmeter to P50 (INT1 or LF-INT)
- Setting:
  - LF\_OUTPUT LFGEN\_FREQ 10Hz to 1MHz
- Reference measurement at 10Hz
- Check level to 0.4dB deviation up to 100kHz, 3dB to 1MHz

**7.4.4 Output Unit****7.4.4.1 Reference  $\pm 6\text{V}$** 

- Connect dc voltmeter to P26
- Check the voltage to +6V  $\pm 0.2\%$
- Connect dc voltmeter to P25
- Check the voltage to -6V  $\pm 0.2\%$

**7.4.4.2 Channel Switch**

- Apply 1V dc to 'EXT1'
- Setting:
  - ANALOG\_MOD AM AM\_SOURCE\_EXT EXT1
  - ANALOG\_MOD AM AM\_EXT\_COUPLING DC
- Connect dc voltmeter to P11
- Check dc voltage to 6V  $\pm 2\%$
- Setting:
  - ANALOG\_MOD AM AM\_SOURCE\_EXT EXT1
  - ANALOG\_MOD AM AM\_EXT\_COUPLING AC
- Check dc voltage to 0V  $\pm 10\text{ mV}$

- Apply 1kHz/1V peak to 'EXT1'
- Connect ac voltmeter to P11
- Check ac voltage to 6V peak  $\pm 2\%$
- Disconnect voltage applied to 'EXT1'
- Setting:
  - ANALOG\_MOD AM AM\_SOURCE\_INT INT
  - ANALOG\_MOD LFGEN\_FREQ 2kHz
- Check ac voltage to 6V peak  $\pm 2\%$

#### **7.4.4.3 Setting Modulation Depth**

- Connect ac voltmeter to P10
- Setting:
  - ANALOG\_MOD AM AM\_SOURCE\_INT INT
  - ANALOG\_MOD AM LFGEN\_FREQ 1kHz
  - ANALOG\_MOD AM\_DEPTH 100%, 50%, 10%, 5%, 1%
- Check ac voltage to 6V, 3V, 600mV, 300mV, 60mV peak  $\pm 5\%$

#### **7.4.4.4 Monitoring External AC**

- Connect LF to 'EXT1' via T-junction
- Connect ac voltmeter to T-junction
- Setting:
  - LF\_OUTPUT STATE ON
  - LF\_OUTPUT LFGEN\_FREQ 1kHz
  - LF\_OUTPUT VOLTAGE 1V
  - ANALOG\_MOD AM AM\_SOURCE\_EXT EXT1
  - ANALOG\_MOD AM AM\_EXT\_COUPLING AC
- Measure voltage at ac voltmeter
- Set LF-generator level to 1V peak
- Connect dc voltmeter to P1 or P3
- Check voltage at P1 and P3 to 0V
- Set LF-generator level to 1.03V peak
- Check voltage at P1 to 5V
- Set LF-generator level to 0.97V peak
- Check voltage at P3 to 5V

#### **7.4.4.5 Setting Preset**

- Setting:
  - FREQUENCY 1GHz
  - LEVEL 13dBm
  - UTILITIES DIAG TPOINT STATE ON
  - UTILITIES DIAG TPOINT TEST POINT 2108
- Check diagnosis voltage to 2.3V to 4.6V
- Connect dc voltmeter to P54 (C214)
- Check the DC voltage to 1.0 to 2.8V

#### **7.4.4.6 Level Setting**

- Connect dc voltmeter to P13
- Setting:
  - FREQUENCY 1GHz
  - LEVEL 16dBm
  - LEVEL LEVEL ATTENUATOR\_MODE FIXED
  - UTILITIES DIAG TPOINT STATE ON
  - UTILITIES DIAG TPOINT TEST POINT 2110
- Check dc voltage to -4.2V  $\pm 1.3V$
- Note measured voltage as Vref

- Setting: LEVEL 10, 4, -2, -8, -14
- Check dc voltage at P13 to Vref/2, /4, /8, /16, /32,  $\pm 5\%$

#### 7.4.4.7            2.4-GHz PLL

- Setting: UTILITIES DIAG TPOINT STATE ON  
UTILITIES DIAG TPOINT TEST POINT 2103
- Check diagnosis voltage to 50 to 250mV
- Setting: UTILITIES DIAG TPOINT TEST POINT 2105
- Check diagnosis voltage to 30 to 100mV
- Setting: UTILITIES DIAG TPOINT TEST POINT 2106
- Check diagnosis voltage to 80 to 180mV
- Disconnect cable at X246 (REF600)
- Setting: UTILITIES DIAG TPOINT TEST POINT 2104
- Check diagnosis voltage to -.9 to -.3V
- Connect cable at X246 (REF600)
- Disconnect jumper X8
- Check diagnosis voltage to 21.5 to 23.5V
- Plug on jumper X8
- Check diagnosis voltage to 3 to 12V

#### 7.4.4.8            2.4-GHz LO

- Setting: FREQUENCY 1000MHz
- Check diagnosis voltage to  $\pm 10\text{mV}$
- Setting: UTILITIES DIAG TPOINT STATE ON  
UTILITIES DIAG TPOINT TEST POINT 2107  
FREQUENCY 100MHz
- Check diagnosis voltage to 180mV - 400mV

Adjustment of the LO-level must be carried out only after a sufficient settling time in the mixer mode (frequency < 450 MHz) has elapsed and after the operating temperature has been reached. The adjustment must be carried out with the module opened and the heat dissipator removed (section N only).

- Setting: FREQUENCY 100MHz
- Connect level meter to X3
- Adjust level to -4.5dB  $\pm 1\text{dB}$  using poti R968

#### 7.4.4.9            Level Characteristic

- Disconnect jumper X6
- Connect first dc-voltage source to X6.2
- Apply 4V dc
- Disconnect jumper X9
- Connect second dc-voltage source to X9.2
- Apply 6V dc
- Setting: LEVEL 16dBm  
UTILITIES DIAG TPOINT STATE ON  
UTILITIES DIAG TPOINT TEST POINT 2113  
FREQUENCY 450, 500 to 3300MHz
- Check diagnosis voltage to >5V

- Setting: UTILITIES DIAG TPOINT TEST POINT 2111  
VECTOR\_MOD STATE ON  
FREQUENCY 49; 99 to 749MHz
- Apply 0.5-V dc voltage at X244 'IMOD'
- Check diagnosis voltage to >100mV(f≥200MHz), >40mV(f<200MHz)
- Connect power meter to X249
- Setting: FREQUENCY 50, 100 to 3300MHz  
VECTOR\_MOD STATE OFF
- Check output level to >18dBm
- Apply signal FIQFIL to X247 via 16-dB attenuator
- Setting: FREQUENCY 50, 100 to 3300MHz
- Check output level to >7dBm (f < 2 GHz) or <16dBm (f > 2GHz)
- Apply 2.4V dc to first dc-source(X6.2)
- Setting: FREQUENCY 50, 100 to 3300MHz
- Check output level to <3dBm

#### **7.4.4.10 Output Detector and Detector Adjustment**

- Connect dc voltmeter to P57 or P58
- Check dc voltage to +15V or -10V ±2%

The text below describes how to test the detector linearity. This test must be performed exclusively with board cover screwed.

- Connect power meter to X249
- Setting: LEVEL 5.1dBm  
LEVEL LEVEL ATTENUATOR\_MODE FIXED  
FREQUENCY 5, 500, 1000, 1500 to 3000MHz
- Measure the output level at X249
- Switch power meter to ΔdB, 5.1-dBm level being the reference, respectively
- Setting: LEVEL 10.1, 5.1, 0.1, -4.9 to -14.9dBm
- Check rated level to ±.2dB for ≥0dBm, ±.4dB for -5dBm, ±.6dB for -10dBm, ±.8dB for -15dBm
- Setting: LEVEL 10dBm  
FREQUENCY 1500MHz
- Measure the output level at X249
- Switch power meter to ΔdB, 10-dBm level being the reference, respectively
- Setting: FREQUENCY 5, 500, 1000, 1500 to 3000, 3300MHz
- Check frequency response to better 4dB

The adjustment of the output detector must not be performed with board uncovered and only after a sufficiently long warm-up time and at correct operating temperature. Remove the label on the cover above the cut-out for the poti R125 to perform the adjustment. Subsequent to adjustment, replace label, perform a preset calibration and update the level correction table.

- Connect power meter to X249
- Setting: LEVEL 5.1dBm  
LEVEL LEVEL ATTENUATOR\_MODE FIXED  
LEVEL 5dBm  
FREQUENCY 1500MHz
- Measure output level at X249

- Switch power meter to  $\Delta$ dB, 5.1-dBm level being reference
- Setting: LEVEL -15dBm
- Adjust to -20.0 dB  $\pm$  1dB attenuation using poti R125

#### 7.4.4.11 Broadband Noise Output Unit

- Unscrew connection from IQCON X227 to IQMOD X247
- Terminate IQCON X227 with 50 $\Omega$
- Connect SMHU to input FIQFIL X247
- Setting SMHU: FREQUENCY see table below  
LEVEL 5.0 dBm
- Setting SMIQ: FREQUENCY see table below  
LEVEL 5.1 dBm  
LEVEL ALC STATE ON
- Connect spectrum analyzer to RF socket SMIQ
- Check output level to 5.1dBm  $\pm$  1dB and store as 'REF'
- Setting SMIQ: LEVEL ALC STATE OFF
- Setting SMHU: LEVEL OFF
- Setting FSE: CF see table below  
REF LEVEL -50dBm  
INPUT ATTENUATION 0dB  
SPAN 1kHz  
RBW 2kHz  
VBW 5Hz  
MARKER NOISE
- Measure noise level in dBm/Hz
- Check the signal-to-noise ratio (S/N) = 'REF' noise level to the table values below

|                                      |        |      |               |     |      |      |      |      |      |
|--------------------------------------|--------|------|---------------|-----|------|------|------|------|------|
| FREQUENCY<br>SMIQ in MHz             | 0.3    | 1    | 50-<br>450    | 500 | 1000 | 1500 | 2000 | 2500 | 3300 |
| FREQUENCY<br>SMHU in MHz             | 2400.3 | 2401 | 2450-<br>2850 | 500 | 1000 | 1500 | 2000 | 2500 | 3300 |
| FREQUENCY<br>FSE in MHz              | 0.3    | 1    | 50-<br>450    | 501 | 1001 | 1501 | 2001 | 2501 | 3301 |
| S/N in dBc/Hz<br>without Opt.<br>B47 | 115    | 120  | 135           | 142 | 142  | 142  | 142  | 142  | 142  |
| S/N in dBc/Hz<br>with Opt. B47       | 115    | 120  | 135           | 143 | 144  | 146  | 147  | 147  | 147  |

**7.4.5 IQ Modulator****7.4.5.1 Reference Voltages**

- Connect dc voltmeter to P51 (V67 Pin1) or P52 (V112 Pin1)
- Check dc voltage to +10V or -10V  $\pm 3\%$
- Connect dc voltmeter to P37, P38, P39 and P40, successively
- Check dc voltage to 1V, +.707V, -.707V, -1V  $\pm 5\%$
- Connect dc voltmeter to P20
- Check dc voltage to -7.5V  $\pm 3\%$

**7.4.5.2 Setting Quadrature**

- Connect dc voltmeter to P42 (R98) or P63 (R97)
- Setting:
  - VECTOR\_MOD STATE ON
  - VECTOR\_MOD IMPAIRMENT STATE ON
  - VECTOR\_MOD QUADRATUR\_OFFSET 0°
- Check dc voltages to 7.5V  $\pm 2.5V$  and store under 'Ref97' and 'Ref98'
- Setting:
  - VECTOR\_MOD QUADRATUR\_OFFSET +10°
- Check dc voltage at R97 to 'Ref97' +1.25V  $\pm 1.5V$
- Check dc voltage at R98 to 'Ref98' -1.25V  $\pm 1.5V$
- Setting:
  - VECTOR\_MOD QUADRATUR\_OFFSET -10°
- Check dc voltage at R97 to 'Ref97' -1.25V  $\pm 1.5V$
- Check dc voltage at R98 to 'Ref98' +1.25V  $\pm 1.5V$

**7.4.5.3 Setting Imbalance**

- Connect dc voltmeter to P35 or P36
- Setting:
  - VECTOR\_MOD STATE ON
  - VECTOR\_MOD IMPAIRMENT STATE ON
  - VECTOR\_MOD IMBALANCE 0%
- Check the dc voltages to 1.0V  $\pm 1V$  and store under 'Ref35' and 'Ref36'
- Setting:
  - VECTOR\_MOD IMBALANCE +10%
- Check dc voltage at P35 to 'Ref35' +0.1V  $\pm 25mV$
- Check dc voltage at P36 to 'Ref36' -0.1V  $\pm 25mV$
- Setting:
  - VECTOR\_MOD IMBALANCE -10%
- Check dc voltage at P35 to 'Ref35' -0.1V  $\pm 25mV$
- Check dc voltage at P36 to 'Ref36' +0.1V  $\pm 25mV$

**7.4.5.4 Setting Leakage**

- Connect dc voltmeter to P32 or P41
- Setting:
  - VECTOR\_MOD STATE ON
  - VECTOR\_MOD IMPAIRMENT STATE ON
  - VECTOR\_MOD LEAKAGE 0%
- Check the dc voltages to 0V  $\pm 100mV$  and store under 'Ref32' or 'Ref41'
- Setting:
  - VECTOR\_MOD LEAKAGE 50%
- Check dc voltage at P32 to 'Ref32' +250mV  $\pm 50mV$

- Setting: VECTOR\_MOD LEAKAGE 50%  
VEKTOR\_MOD IQ\_SWAP ON
- Check dc voltage at P32 to 'Ref32' +250mV  $\pm$ 50mV

#### **7.4.5.5 Offset Compensation**

- Fasten module cover with screws during calibration
- Setting: VECTOR MOD STATE ON
- Disconnect cable X244/X245
- Start calibration Vector Mod
- Measure dc voltage at D1 and D2 Pin1 and Pin2.  
Voltage difference between Pin1 and Pin2 smaller than 2mV

#### **7.4.5.6 IQ Change and Calibration Switch**

- Connect dc voltmeter to P15 or P16
- Apply +0.5V dc to X244 'I-MOD'
- Apply 0V dc to X245 'Q-Mod'
- Setting: VEKTOR\_MOD STATE ON  
VECTOR\_MOD IMPAIRMENT STATE ON  
FREQUENCY 2 GHz
- Check dc voltage at P15 to -250mV  $\pm$ 50mV
- Check dc voltage at P16 to 0mV  $\pm$ 50mV
- Setting: VEKTOR\_MOD IQ\_SWAP ON
- Check dc voltage at P15 to 0mV  $\pm$ 50mV
- Check dc voltage at P16 to -250mV  $\pm$ 50mV
- Apply +0V dc to X244 'I-MOD'
- Apply +0.5V dc to X245 'Q-MOD'
- Setting: VEKTOR\_MOD STATE OFF
- Check dc voltage at P15 to -250mV  $\pm$ 50mV
- Check dc voltage at P16 to 0mV  $\pm$ 50mV

#### **7.4.5.7 IQ Modulation Path**

- Setting: VECTOR\_MOD STATE ON
- Connect dc voltmeter to X10.1 or X11.2
- Apply +0.5V dc to X244 'IMOD' or X245 'QMOD'
- Check dc voltage at X10.1 or X11.2 to -220mV  $\pm$ 50mV
- Apply -0.5V dc to X244 'IMOD' or X245 'QMOD'
- Check dc voltage at X10.1 or X11.2 to -220mV  $\pm$ 50mV
- Reposition jumper X10 or X11 to X1 or X2
- Connect oscilloscope to X1 or X2
- Apply 1MHz/0.5V peak (terminal voltage) to X244 'IMOD' or X245 'QMOD'
- Check voltage at X10.1 or X11.2 to 155mV  $\pm$ 35mV rms and store under 'RefX1' or 'RefX2'
- Apply 25MHz/0.5V peak (terminal voltage) to X244 'IMOD' or X245 'QMOD'
- Check voltage at X1 to 'RefX1'  $\pm$ .5dB
- Check voltage at X2 to 'RefX2'  $\pm$ .5dB

**7.4.5.8 300-MHz LO**

- Setting: UTILITIES DIAG TPOINT STATE ON  
UTILITIES DIAG TPOINT TEST POINT 2114
- Check diagnosis voltage to  $800\text{mV} \pm 100\text{mV}$
- Connect level meter to X4 and/or X5
- Check level to  $-9\text{dBm} \pm 3\text{dB}$
- Setting: UTILITIES DIAG TPOINT TEST POINT 2118 and/or 2119
- Check diagnosis voltage to  $360\text{mV} \pm 70\text{mV}$

**7.4.5.9 Power Ramping Control**

- Connect dc voltmeter to X7
- Check voltage to  $-1.0\text{V} \pm 0.5\text{V}$
- Connect dc voltmeter to P35 or P36
- Check voltage to  $1\text{mV} \pm 0.2\text{mV}$
- Setting: VECTOR MOD STATE ON  
VECTOR MOD POWER RAMP CONTROL EXT\_ANALog
- Apply  $+0\text{V}$  dc to X243 'BURST CONTROL\_MOD'
- Connect dc voltmeter to X7
- Check voltage to  $2\text{mV} \pm 2\text{mV}$
- Connect dc voltmeter to P35 or P36
- Check voltage to  $-0\text{V} \pm 0.1\text{V}$
- Connect dc voltmeter to P64 (N30 Pin 1)
- Check voltage to approx.  $5\text{V}$
- Connect  $+1\text{V}$  dc to X243 'BURST CONTROL\_MOD'
- Check voltage to  $0\text{V}$

**7.4.5.10 Power Ramping Linearity**

- Setting: VEKTOR MOD STATE ON  
POWER RAMP CONTROL EXT-ANALOG
- Connect  $+0.5\text{V}$  dc to X245 'QMOD'
- Connect  $+1.000\text{V} \pm 1\text{mV}$  dc to X243 'BURST CONTROL\_MOD'
- Connect spectrum analyzer to X242 'IQ300'
- Check level to  $5\text{dBm} \pm 0.5\text{dB}$  and store under 'Ref'

Linearity check:

- Set dc voltage at X243 to  $500 \pm 5\text{mV}$ ;  $250 \pm 1\text{mV}$ ;  $100 \pm 1\text{mV}$ ;  $31.6 \pm 0.5\text{mV}$
- Check level to 'Ref'  $-6\text{dB} \pm 0.5\text{dB}$ ;  $-12\text{dB} \pm 0.5\text{dB}$ ;  $-20\text{dB} \pm 0.5\text{dB}$ ;  $-30\text{dB} \pm 1\text{dB}$
- Linearity adjustment
- Set dc voltage X243 to  $50.1\text{mV} \pm 0.5\text{mV}$
- Adjust level at X242 'IQ300' to ('Ref'  $-26\text{dB}$ )  $\pm 0.1\text{dB}$  using poti R807.

**7.4.5.11 IQ300 Output - Level Attenuation**

The adjustment described below must be performed after a sufficiently long warm-up time and at correct operating temperature. Calibration of the vector modulator must be performed just before the level adjustment.

- Level adjustment

- Setting:
  - UTILITIES CALIB VECTOR MOD CALIB
  - ANALOG\_MOD PULSE SOURCE EXT
  - ANALOG\_MOD PULSE POLARITY INV
- Connect level meter to X242 'IQ300'
- Check/adjust level to  $-5\text{dBm} \pm 0.1\text{dB}$
- Check harmonic suppression to better than  $-60\text{dBc}$
- Adjustment of level attenuation
- Setting:
  - ANALOG\_MOD PULSE SOURCE OFF
  - LEVEL LEVEL ATTENUATOR MODE ELECTRONIC
- Solder R109 (open connection to N43)
- Connect DC voltage source to R109
- Apply  $-8.5\text{V DC}$
- Connect level meter to X242 'IQ300'
- Adjust level at X242 'IQ300' to  $-5.0\text{dBm} \pm 0.1\text{dB}$  using poti R1111
- Remove DC voltage source and solder in R109

#### 7.4.5.12 Level Attenuation Control

- Setting:
  - FREQUENCY 1000 MHZ
  - LEVEL 10dBm
  - UTILITIES CALIB LEV ATT CALIBRATE
  - ANALOG\_MOD PULSE SOURCE EXT
  - ANALOG\_MOD PULSE POLARITY INV
  - UTILITIES DIAG TPOINT STATE ON
  - UTILITIES DIAG TPOINT TEST POINT 2123
- Check diagnosis voltage to  $0\text{mV} \pm 50\text{mV}$  and store as ULEVATT
- Connect dc voltmeter to P17 and/or P59
- Check dc voltage to  $0.60\text{V} \pm 0.1\text{V}$  and store value under U59
- Check level at X242 'IQ300' to  $-5.0\text{dBm} \pm 1\text{dB}$
- Setting:
  - ANALOG MOD PULSE SOURCE OFF
- Check dc voltage at P17 and/or P59 to  $\text{ULEVATT} \pm 5\text{mV}$
- Check level at X242 to smaller than  $-75\text{dBm}$
- Setting:
  - LEVEL LEVEL ATTENUATOR MODE ELECTRONIC
- Check diagnosis voltage (TP2123) to  $2 \cdot \text{U59} \pm 100\text{mV}$
- Check voltage difference between P43, P17 and P59 to smaller than  $2\text{mV}$
- Check level at X242 'IQ300' to  $-5.0\text{dBm} \pm 1\text{dB}$

**7.4.5.13      Pulse Modulation Control**

- Setting:            ANALOG MOD PULSE SOURCE EXT  
                      ANALOG MOD PULSE POLARITY NORM
- Connect dc voltmeter to D50 and/or D51 pin 4
- Check voltage to  $0V \pm 0.5V$
- Connect dc voltmeter to D50 and/or D51 pin 5
- Check voltage to  $-6.5V \pm 1V$
- Setting:            ANALOG MOD PULSE POLARITY INV
- Connect dc voltmeter to D50 and/or D51 pin 4
- Check voltage to  $-6.5V \pm 0.5V$
- Connect dc voltmeter to D50 or D51 pin 5
- Check voltage to  $0V \pm 0.5V$

**7.4.5.14      IQ Detector and Detector Adjustment**

- Setting:            LEVEL 0dBm  
                      UTILITIES DIAG TPOINT STATE ON  
                      UTILITIES DIAG TPOINT TEST POINT 2121
- Check diagnosis voltage to below 50mV
- Solder out R85 and apply +5V DC to D57 pin4
- Setting:            LEVEL LEVEL ATTENUATOR MODE ELECTRONIC
- Check diagnosis voltage to 8.4V to 12.3V

Testing and adjusting the level linearity of the IQ detector as described below must not be performed with board uncovered and only after a sufficiently long warm-up time and at correct operating temperature.

- Synchronize analyzer and SMIQ with one another (connect 10-MHz references)
- Setting:            LEVEL 0dBm  
                      UTILITIES REF\_OSC SOURCE EXT  
                      UTILITIES CALIB LEV ATT CALIBRATE  
                      LEVEL LEVEL ATTENUATOR MODE ELECTRONIC
- Apply 0V DC to D57 pin4
- Connect spectrum analyzer to X242 'IQ300'
- Check level to  $-5dBm \pm 1.5dB$  and store under 'Ref'
- Apply +5V DC to D57 pin4
- Measure diagnosis voltage(TP2121) and store under 'RefDiag'
- Apply 0V DC to D57 pin4
- Set level to -40dBm and set the output signal at X242 'IQ300' to 'Ref - 40.0dB' by varying the level.
- Apply +5V DC to D57 pin4
- Adjust diagnosis voltage (TP2121) to 'RefDiag'-40dB using poti R930
- Repeat procedure for attenuations of 5 to 35 dB in 5-dB steps and check deviation of diagnosis voltage to below 0.4 dB (take care not to change the adjustment!!)
- Solder R85 in again.
- After a change of the adjustment the IQ detector must be recalibrated (SMIQ level correction program: IQ detector calibration).

**7.4.5.15 IQAM**

- Setting: VECTOR\_MOD STATE ON  
ANALOG MOD AM AM DEPTH 80%  
ANALOG MOD AM AM SOURCE INT INT  
ANALOG MOD AM LFGEN FREQ 20.000 kHz
- Apply +5-V dc voltage to X244 'IMOD'
- Connect AC voltmeter to P35 and/or P36
- Check voltage to 275mV  $\pm 20$ mV (rms value)
- Connect spectrum analyzer to X242 'IQ300'
- Check carrier to -11dBm  $\pm 1$ dB and store under 'carrier'
- Check 300MHz  $\pm 20$ kHz sidebands to ('carrier'-8dB)  $\pm 0.5$ dB
- Check harmonic sidebands to below ('carrier'-40dB)

**7.4.5.16 Frequency Response IQ Modulator**

-without option or with option B47 with IQ FILTER OFF

- Setting: VECTOR\_MOD STATE ON
- Connect spectrum analyzer to X242 'IQ300'
- Connect 30 MHz 0.5V<sub>p</sub> to X244 'IMOD' or X245 'QMOD'
- Check the 270-MHz signal at X242 to -11dBm  $\pm 1$ dB and store under 'REF'
- Check the 330-MHz signal at X242 to 'REF'  $\pm 1$ dB
- Sweep frequency at 'IMOD' and/or 'QMOD' from 0 to 30MHz
- Check frequency response < 1dB

- with Option B47 with IQ FILTER 850kHz

- Setting: VECTOR\_MOD STATE ON  
VECTOR\_MOD IQ\_FILTER 850kHz
- Apply signal of 0.1, 0.3, 0.5, 0.7, 1.0 and 2.0MHz and 0.5V<sub>p</sub> to 'IMOD' or 'QMOD'
- Connect spectrum analyzer to X242 'IQ300'
- Check reference value at 300.1MHz to -11dBm  $\pm 1$ dB and store under 'REF'
- Check frequency response at 'IQ300' referred to 'REF'

| Frequency/MHz | 300.3     | 300.5     | 300.7     | 301   | 302     |
|---------------|-----------|-----------|-----------|-------|---------|
| Nom. value/dB | -0.1      | -0.15     | -0.3      | -5    | -40     |
| Tolerance/dB  | $\pm 0.1$ | $\pm 0.1$ | $\pm 0.2$ | +1/-3 | $\pm 3$ |

- with Option B47 with IQ FILTER 2.5MHz

- Setting: VECTOR\_MOD STATE ON  
VECTOR\_MOD IQ\_FILTER 2.5MHz
- Apply signal of 0.25, 0.75, 1.5, 2, 3 and 5MHz and 0.5V<sub>p</sub> to 'IMOD' and/or 'QMOD'
- Connect spectrum analyzer to X242 'IQ300'
- Check reference value at 300.25MHz to -11dBm  $\pm 1$ dB and store under 'REF'
- Check frequency response at 'IQ300' referred to 'REF'

| Frequency/MHz | 300.75    | 301.5     | 302       | 303   | 305     |
|---------------|-----------|-----------|-----------|-------|---------|
| Nom. value/dB | -0.25     | -0.45     | -0.55     | -5    | -32     |
| Tolerance/dB  | $\pm 0.1$ | $\pm 0.1$ | $\pm 0.2$ | +1/-3 | $\pm 5$ |

- with Option B47 with IQ FILTER 5Hz

- Setting: VECTOR\_MOD STATE ON  
VECTOR\_MOD IQ\_FILTER 5MHz
- Apply signal of 0.5, 1.5, 3, 4, 6 and 10MHz and 0.5V<sub>p</sub> to 'IMOD' or 'QMOD'
- Connect spectrum analyzer to X242 'IQ300'
- Check reference value at 300.25MHz to -11dBm ± 1dB and store under 'REF'
- Check frequency response at 'IQ300' referred to 'REF'

|               |       |      |       |       |     |
|---------------|-------|------|-------|-------|-----|
| Frequency/MHz | 301.5 | 303  | 304   | 306   | 310 |
| Nom. value/dB | -0.3  | -0.2 | -0.35 | -7    | -39 |
| Tolerance/dB  | ±0.1  | ±0.1 | ±0.1  | +1/-3 | ±3  |

#### 7.4.5.17 Broadband Noise IQ Modulator

- Setting: FREQUENCY 3.1GHz
- Connect spectrum analyzer to X242 'IQ300'
- Check the 300-MHz signal to -5.0dBm ± 1dB and store under 'REF'
- Setting: VECTOR\_MOD STATE ON  
VECTOR\_MOD CALIBRATE  
VECTOR\_MOD IQ\_FILTER 2.5MHz (nur bei Option B47)
- Check the 300-MHz signal to < -55dBm
- Setting FSE: CF 305 MHz  
REF LEVEL -50dBm  
INPUT ATTENUATION 0dB  
SPAN 1kHz  
RBW 2kHz  
VBW 5Hz  
MARKER NOISE
- Measure noise level at 305MHz in dBm/Hz  
(With noise levels below -150dBm/Hz the measured value of the FSE should be corrected by the inherent noise of the analyzer!!)
- Check the signal-to-noise ratio = 'REF' - noise level to  
greater than 139dBc/Hz (without Option B47)  
greater than 148dBc/Hz (with Option B47)

#### 7.4.6 Board Interrupt

- Setting: FREQUENCY 1GHz
- Disconnect signal 'REF600' from X246
- Press the ERROR key
- Error message: Code 224, 2.4GHZ LO LOOP UNLOCKED
- Reconnect signal 'REF600'
- Error message: none
- Unplug jumper X8
- Error message: Code 224, 2.4GHZ LO LOOP UNLOCKED

- Plug in jumper X8 again
- Disconnect signal 'FIQFIL' from X247
- Error message: Code 110, OUTPUT UNLEVELED
  
- Apply signal 'FIQFIL' again
- Setting: ANALOG\_MOD AM AM\_SOURCE\_EXT EXT1  
ANALOG\_MOD AM AM\_EXT\_COUPLING AC
- Apply 1kHz/1V peak to 'EXT1'
- Press the ERROR key
- Error message: none
  
- Apply 1kHz/1.04V peak to 'EXT1'
- Error message: Code 152, INPUT VOLTAGE OUT OF RANGE;EXT1 TOO HIGH
  
- Apply 1kHz/0.96V peak to 'EXT1'
- Error message: Code 153, INPUT VOLTAGE OUT OF RANGE;EXT1 TOO LOW

**7.4.7                      Diagnosis**

The board contains 24 RF and dc test points in all. They are selected via the 'UTILITIES DIAG TPOINT POINT 21??' menu. The first two digits relate to the 'IQMOD' (21) board, the subsequent two digits are provided to number the diagnostic points.

IR=Supplies board interrupt, DF=divider factor, War=waiting time

OF=Offset measurement, MIN=Minimum, MAX=Maximum

| Diagnostic point | Test point                                    | I<br>R | MIN<br>[V]      | MAX<br>[V]    | TF | WA<br>R<br>ms | O<br>F |
|------------------|-----------------------------------------------|--------|-----------------|---------------|----|---------------|--------|
| 2100 D_OFFSET    | Reference 1kΩ                                 |        | -.01            | +.01          | 1  | 1             |        |
| 2101 D_REF10V    | 10-V reference voltage                        |        | 9.8             | 10.2          | 3  | 1             | X      |
| 2102 D_LFGEN     | Output level LF generator                     |        | -1.02           | +1.02         | 3  | 1             |        |
| 2103 D_REF600    | Level 600-MHz reference for 2.4-GHz PLL       |        | .05             | .18           | 1  |               |        |
| 2104 D_TUN2G4    | Tuning voltage 2.4GHz VCO                     | X      | 3               | 18            | 5  | 1             |        |
| 2105 D_VCO2G4    | Level 2G4 VCO                                 |        | 0.03            | .10           | 1  | 1             |        |
| 2106 D_PHIDET    | Level 600MHz Reference signal for 2.4-GHz PLL |        | .05             | .18           | 1  | 1             |        |
| 2107 D_LO2G4     | LO level down converter on, (off)             |        | .2,<br>(-.02)   | .4,<br>(+.02) | 1  | 1             |        |
| 2108 D_PRESET    | Tuning voltage Preset element                 |        | 2.3             | 4.5           | 3  | 1             |        |
| 2109 D_AMOD      | Tuning voltage AM modulator                   | X      | .02             | 6             | 3  | 3             |        |
| 2110 D_REFAM     | AM reference signal                           |        | -6              | 0             | 3  | 1             |        |
| 2111 D_CONVRT    | Level IF path down converter on, (off)        |        | .005,<br>(-1mV) | .1,<br>(+1mV) | 1  | 1             |        |
| 2112 D_SWITCH    | Level subsequent to AM modulator              |        | .005            | .4            | 1  | 1             |        |
| 2113 D_DETOUT    | Output detector output amplifier              |        | .05             | 6             | 3  | 1             |        |
| 2114 D_REF300    | 300-MHz level for IQ modulator                |        | .6              | 1.0           | 1  | 1             |        |
| 2115 D_IQOUT     | Output level IQ modulator                     |        | 0               | .3            | 1  | 1             |        |
| 2116 D_IMOD      | Level modulation input I path                 |        | -.5             | +.5           | 2  | 1             |        |
| 2117 D_QMOD      | Level modulation input Q path                 |        | -.5             | +.5           | 2  | 1             |        |
| 2118 D_ILO       | Level LO I path                               |        | .2              | .6            | 1  | 1             |        |
| 2119 D_QLO       | Level LO Q path                               |        | .2              | .6            | 1  | 1             |        |
| 2120 D_PHI       | Control voltage phase shifter                 |        | 3.5             | 13            | 3  | 1             |        |
| 2121 D_IQCAL     | Calibration detector IQ modulator             |        | 0               | 12.5          | 3  | 5             | X      |
| 2122 D_BURST     | Control voltage burst element                 |        | -4              | -0.5          | 3  | 1             |        |
| 2123 D_LEVATT    | Tuning voltage level attenuation elements     |        | 0               | 1.5           | 3  | 1             |        |

**7.4.8****Operating Points of Amplifier Stages**

The table below lists the operating points for the RF amplifiers of the module, respectively. Tolerances from 10% to 20% may occur and do not indicate any error. The data given always relate to the dc operating point without any RF signal being applied.

| Amplifier<br>Designation | Operating point              |                              |
|--------------------------|------------------------------|------------------------------|
|                          | Drain / collector<br>current | Drain / collector<br>voltage |
| V82                      | 50mA                         | 5.0V                         |
| V81                      | 60mA                         | 5.0V                         |
| V83                      | 130mA                        | 8.0V                         |
| V75                      | 90mA                         | 9.5V                         |
| V77                      | 90mA                         | 9.5V                         |
| N46                      | 55-100mA                     | 4.5V                         |
| N47                      | 55-100mA                     | 4.5V                         |
| N45                      | 55-100mA                     | 4.5V                         |
| N44                      | 55-100mA                     | 4.5V                         |
| N49                      | 85mA                         | 5.0V                         |
| V80                      | 90mA                         | 9.5V                         |
| V102                     | 90mA                         | 6.0V                         |
| N38                      | 60-100mA                     | 3.0V                         |
| V148                     | 70mA                         | 4.0V                         |
| V144                     | 70mA                         | 4.5V                         |
| V103                     | 120mA                        | 7.0V                         |
| V104                     | 135mA                        | 7.3V                         |
| V111                     | 30mA                         | -5.5V                        |
| V145                     | 60mA                         | 4.5V                         |
| V146                     | 60mA                         | 4.5V                         |
| V154                     | 60mA                         | 5.5V                         |
| V147                     | 60mA                         | 5.5V                         |
| V99                      | 75mA                         | 6.5V                         |

**7.5****Removal and Assembly**

After opening the instrument, unlocking the board and disconnecting the RF connections at X241 to X249, the module can be removed from its slot. The screening covers of the board are screwed in the conventional way. When operating the instrument with open screening cover, make sure to close the resonator chamber M using an appropriate test cover.

**7.6 External Interface**

| Pin      | Name           | Input/<br>Output | Origin/<br>Destination | Specified<br>range            | Signal<br>description                  |
|----------|----------------|------------------|------------------------|-------------------------------|----------------------------------------|
| X240.A1  | BLANK          | Input            | A3, FRO X31.34         | HCT-Level                     | Level blanking                         |
| X240.A2  | UREFAM         | Output           | A500, IQ6G<br>X500.2   | 0 to 12V                      | AM command value                       |
| X240.A3  | LFOUT          | Output           | A3, FRO LF             | 0 to 4V peak,<br>.1Hz to 1MHz | Output AF generator                    |
| X240.A4  | EXT1           | Input            | A3, FRO EXT            | 0 to 1V Spitze                | External modulation<br>signal          |
| X240.A5  | EXT2           |                  |                        |                               | not used                               |
| X240.A6  | INT1           | Output           | Option FMOD            | 0 to 1V Spitze                | Internal modulation<br>signal          |
| X240.A7  | Ground         |                  |                        |                               |                                        |
| X240.A8  | PULSE          | Input            | Rückwand               | HCT level                     | Pulse modulation                       |
| X240.A9  | CODAM          | Input            | DDS                    | 0 to 1V peak                  | DSYN AM signal                         |
| X240.A10 | LEV ATT_MOD    | Input            | MCOD                   | HCT level                     | Level attenuation                      |
| X240.A11 | Ground         |                  |                        |                               |                                        |
| X240.A12 | SERBUS-CLK     | Input            | A3, FRO, X31.40        | HCT level                     | Serbus Clock                           |
| X240.A13 | Ground         |                  |                        |                               |                                        |
| X240.A14 | SERBUS-OUT     | Output           | A3, FRO, X31.39        | HCT level                     | Serbus data                            |
| X240.A15 | SERBUS-IN      | Input            | A3, FRO, X31.39        | HCT level                     | Serbus data                            |
| X240.A16 | SERBUS-SYNC    | Input            | A3, FRO, X31.37        | HCT level                     | Serbus Sync                            |
| X240.A17 | SERBUS-INT     | Output           | A3, FRO, X31.38        | HCT level                     | Serbus Interrupt                       |
| X240.A18 | Reset-P        | Input            | A3, FRO, X31.28        | HCT level                     | Serbus Reset                           |
| X240.A19 | DIAG-5V        | Output           | A3, FRO, X31.44        | -5V to +5V                    | Diagnosis                              |
| X240.A20 | VA15-P         | Input            | A2, POWS               | 14.85 to 15.75V<br>600mV      | 15V<br>power supply                    |
| X240.A21 | Ground         |                  |                        |                               |                                        |
| X240.A22 | VA24-P         | Input            | A2, POWS               | 23.75 to 25.25V<br>200mA      | 24V<br>power supply                    |
| X240.A23 | Ground         |                  |                        |                               |                                        |
| X240.A24 | VA15-P         | Input            | A2, POWS               | 14.85 to 15.75V<br>600mA      | 15V<br>power supply                    |
| X240.A25 | Ground         |                  |                        |                               |                                        |
| X240.A26 | VA7.5-P        | Input            | A2, POWS               | 7.45 to 7.95V<br>450mA        | 7.5V<br>power supply                   |
| X240.A27 | Ground         |                  |                        |                               |                                        |
| X240.A28 | VD5-P          | Input            | A2, POWS               | 5.15 to 5.25V<br>140mA        | 5V digital<br>power supply             |
| X240.A29 | Ground         |                  |                        |                               |                                        |
| X240.A30 | VA15-N         | Input            | A2, POWS               | -15.75.-14.85V<br>300mA       | -15V<br>power supply                   |
| X240.A31 | Ground         |                  |                        |                               |                                        |
| X240.A32 | VA7.5-P        | Input            | A2, POWS               | 7.45 to 7.95V<br>450mA        | 7.5V<br>power supply                   |
| X241     | IQAUX          | Output           | Rear panel             | 300MHz/-10dBm                 | Vector-modulated<br>carrier rear panel |
| X242     | IQ300          | Output           | A220, IQCON<br>X223    | 300MHz/-5dBm                  | Vector-modulated<br>carrier IQCON      |
| X243     | BURST CTRL_MOD | Input            | Rear panel             | 0 to 1V                       | Control signal<br>power ramping        |
| X244     | I_MOD          | Input            | A3, FRO<br>I_MOD       | -0.5 to +0.5V<br>0 to 30MHz   | Modulation input I                     |
| X245     | Q_MOD          | Input            | A3, FRO                | -0.5 to +0.5V                 | Modulation input Q                     |

| Pin  | Name   | Input/<br>Output | Origin/<br>Destination | Specified<br>range            | Signal<br>description      |
|------|--------|------------------|------------------------|-------------------------------|----------------------------|
|      |        |                  | Q_MOD                  | 0 to 30MHz                    |                            |
| X246 | REF600 | Input            | A7, REFSTEP<br>X77     | 600MHz/13dBm                  | Reference 600MHz           |
| X247 | FIQFIL | Input            | A220, IQCON<br>X227    | 450 to 3300MHz/<br>4dBm       | Vector-modulated<br>signal |
| X249 | FIQOUT | Output           | A15, ATT<br>X2         | .3 to 3300MHz<br>-20 to 19dBm | Output signal              |



**Schaltteillisten  
numerisch geordnet**

**Part lists  
in numerical order**

**Listes des pièces détachées  
par numéros de référence**



| Comp. No. | Stock No.                                          | Manufacturer                                       | Designation                 | contained in                |
|-----------|----------------------------------------------------|----------------------------------------------------|-----------------------------|-----------------------------|
|           | XX VARIANTENERKLAERUNG<br>IDENTIFICATION OF MODELS |                                                    |                             |                             |
| B1        | ER SCPQ-400 2WEG-L.TEILER<br>2WAY POWER DIVIDER    | 1085.1649.00                                       | MINI-CIRCU SCPQ-400         |                             |
| C1        | CE 4,7UF+-10% 10V 3528<br>TANTALUM CHIP CAPACITOR  | CE 0007.7275.00                                    | SPRAGUE 293D 475 X9 010 B2T |                             |
| C2        | CE 4,7UF+-10% 10V 3528<br>TANTALUM CHIP CAPACITOR  | CE 0007.7275.00                                    | SPRAGUE 293D 475 X9 010 B2T |                             |
| C3        | CC 3,3NF+-1% 50V NPO 1206<br>SMD-CERAMIC CAPACITOR | 0010.2970.00                                       | MURATA GRM42-6COG332F50PT   |                             |
| C4        | CC 3,3NF+-1% 50V NPO 1206<br>SMD-CERAMIC CAPACITOR | 0010.2970.00                                       | MURATA GRM42-6COG332F50PT   |                             |
| C5        | CC 5,6PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4521.00                                    | MURATA GRM39COG***B50ZPT    |                             |
| C6        | CC 5,6PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4521.00                                    | MURATA GRM39COG***B50ZPT    |                             |
| C7        | CC 1,5PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4450.00                                    | MURATA GRM39COG***B50ZPT    |                             |
| C8        | CC 5,6PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4521.00                                    | MURATA GRM39COG***B50ZPT    |                             |
| C9        | CC 1,5PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4450.00                                    | MURATA GRM39COG***B50ZPT    |                             |
| C10       | CC 5,6PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4521.00                                    | MURATA GRM39COG***B50ZPT    |                             |
| C11       | CC 10P+-0,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4567.00                                    | MURATA GRM39COG***B50ZPT    |                             |
| C12       | CC 5,6PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4521.00                                    | MURATA GRM39COG***B50ZPT    |                             |
| ..14      | C15                                                | CC 0,7PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR     | CC 0010.7150.00             | AVX 0603 5J *** AAW TR      |
| C16       | CC 5,6PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4521.00                                    | MURATA GRM39COG***B50ZPT    |                             |
| C17       | CC 5,6PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4521.00                                    | MURATA GRM39COG***B50ZPT    |                             |
| C18       | CC 1,5PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4450.00                                    | MURATA GRM39COG***B50ZPT    |                             |
| C19       | CC 5,6PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4521.00                                    | MURATA GRM39COG***B50ZPT    |                             |
| C20       | CC 4,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4538.00                                    | MURATA GRM39COG***B50ZPT    |                             |
| C21       | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4844.00                                    | MURATA GRM39X7R***K5C500PT* |                             |
| C22       | CE 4,7UF+-10% 10V 3528<br>TANTALUM CHIP CAPACITOR  | CE 0007.7275.00                                    | SPRAGUE 293D 475 X9 010 B2T |                             |
| C23       | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4844.00                                    | MURATA GRM39X7R***K5C500PT* |                             |
| C24       | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4844.00                                    | MURATA GRM39X7R***K5C500PT* |                             |
| C25       | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR | CC 1051.4697.00                                    | AVX CM105X7R333K25VAT       |                             |
| ..27      | C28                                                | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4844.00             | MURATA GRM39X7R***K5C500PT* |
| C29       | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4844.00                                    | MURATA GRM39X7R***K5C500PT* |                             |
| C30       | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR | CC 1051.4697.00                                    | AVX CM105X7R333K25VAT       |                             |
| ..32      | C33                                                | CC 1,0PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.8304.00             | MURATA GRM39COG***B50ZPT    |
| C34       | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR | CC 1051.4697.00                                    | AVX CM105X7R333K25VAT       |                             |
| C35       | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4844.00                                    | MURATA GRM39X7R***K5C500PT* |                             |
| ..37      | C38                                                | CC 220PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4721.00             | MURATA GRM39COG***F50ZPT    |
| C39       | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4844.00                                    | MURATA GRM39X7R***K5C500PT* |                             |
| C40       | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR | CC 1051.4697.00                                    | AVX CM105X7R333K25VAT       |                             |
| C41       | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4844.00                                    | MURATA GRM39X7R***K5C500PT* |                             |
| ..43      | C44                                                | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR | CC 1051.4697.00             | AVX CM105X7R333K25VAT       |
| ..46      | C47                                                | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4844.00             | MURATA GRM39X7R***K5C500PT* |
| C48       | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR | CC 1051.4697.00                                    | AVX CM105X7R333K25VAT       |                             |

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| <br><b>ROHDE &amp; SCHWARZ</b> |     |      | 68 | 07.10.99      | EE IQ-MODULATOR<br><br>IQ-MODULATOR   | <b>1084.9800.01 SA</b>  | 1+                |

| Kennz.<br>Comp. No. | Benennung<br>Designation                                                   | Sachnummer<br>Stock No. | Hersteller<br>Manufacturer | Bezeichnung<br>Designation | contained in |
|---------------------|----------------------------------------------------------------------------|-------------------------|----------------------------|----------------------------|--------------|
| C49                 | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR                          | CC 0009.4844.00         | MURATA                     | GRM39X7R***K5C500PT*       |              |
| C50                 | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR                          | CC 0009.4844.00         | MURATA                     | GRM39X7R***K5C500PT*       |              |
| C51<br>..56         | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR                         | CC 1051.4697.00         | AVX                        | CM105X7R333K25VAT          |              |
| C57                 | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR                          | CC 0009.4844.00         | MURATA                     | GRM39X7R***K5C500PT*       |              |
| C58                 | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR                          | CC 0009.4844.00         | MURATA                     | GRM39X7R***K5C500PT*       |              |
| C59                 | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR                         | CC 1051.4697.00         | AVX                        | CM105X7R333K25VAT          |              |
| C60                 | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR                         | CC 1051.4697.00         | AVX                        | CM105X7R333K25VAT          |              |
| C61                 | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR                          | CC 0009.4844.00         | MURATA                     | GRM39X7R***K5C500PT*       |              |
| C62                 | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR                         | CC 1051.4697.00         | AVX                        | CM105X7R333K25VAT          |              |
| C63                 | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR                          | CC 0009.4844.00         | MURATA                     | GRM39X7R***K5C500PT*       |              |
| C64<br>..66         | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR                         | CC 1051.4697.00         | AVX                        | CM105X7R333K25VAT          |              |
| C67                 | CC 220NF+-10%50V X7R 1210<br>CERAMIC CAPACITOR CHIP                        | CC 0520.6850.00         | AVX                        | 1210 5C 224KA 11A          |              |
| C68                 | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR                         | CC 1051.4697.00         | AVX                        | CM105X7R333K25VAT          |              |
| C69                 | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR                         | CC 1051.4697.00         | AVX                        | CM105X7R333K25VAT          |              |
| C69                 | NUR VAR/ONLY MOD: 02<br>CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR | CC 1051.4697.00         | AVX                        | CM105X7R333K25VAT          |              |
| C69                 | NUR VAR/ONLY MOD: 04<br>CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR | CC 1051.4697.00         | AVX                        | CM105X7R333K25VAT          |              |
| C69                 | NUR VAR/ONLY MOD: 06<br>CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR | CC 1051.4697.00         | AVX                        | CM105X7R333K25VAT          |              |
| C69                 | NUR VAR/ONLY MOD: 08<br>CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR | CC 1051.4697.00         | AVX                        | CM105X7R333K25VAT          |              |
| C70                 | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR                          | CC 0009.4844.00         | MURATA                     | GRM39X7R***K5C500PT*       |              |
| C71<br>..82         | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR                         | CC 1051.4697.00         | AVX                        | CM105X7R333K25VAT          |              |
| C83                 | CC 220NF+-10%50V X7R 1210<br>CERAMIC CAPACITOR CHIP                        | CC 0520.6850.00         | AVX                        | 1210 5C 224KA 11A          |              |
| C84                 | CC 220NF+-10%50V X7R 1210<br>CERAMIC CAPACITOR CHIP                        | CC 0520.6850.00         | AVX                        | 1210 5C 224KA 11A          |              |
| C85                 | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR                         | CC 1051.4697.00         | AVX                        | CM105X7R333K25VAT          |              |
| C86                 | CC 10P+-0,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR                         | CC 0009.4567.00         | MURATA                     | GRM39C0G***B50ZPT          |              |
| C87                 | CE 4,7UF +-10% 25V 7343<br>TANTALUM CHIP CAPACITOR                         | CE 0007.7230.00         | SPRAGUE                    | 293D475X9035D2W            |              |
| C88                 | CE 4,7UF +-10% 25V 7343<br>TANTALUM CHIP CAPACITOR                         | CE 0007.7230.00         | SPRAGUE                    | 293D475X9035D2W            |              |
| C89                 | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR                         | CC 1051.4697.00         | AVX                        | CM105X7R333K25VAT          |              |
| C90                 | CC 8,2PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR                         | CC 0009.4550.00         | MURATA                     | GRM39C0G***B50ZPT          |              |
| C91<br>..98         | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR                         | CC 1051.4697.00         | AVX                        | CM105X7R333K25VAT          |              |
| C99                 | CC 22PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                           | CC 0009.4609.00         | MURATA                     | GRM39C0G***F50ZPT          |              |
| C100<br>..106       | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR                         | CC 1051.4697.00         | AVX                        | CM105X7R333K25VAT          |              |
| C107                | CC 0,3PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR                             | CC 0010.7114.00         | AVX                        | 0603 5J *** AAW TR         |              |
| C108                | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR                         | CC 1051.4697.00         | AVX                        | CM105X7R333K25VAT          |              |
| C109                | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR                         | CC 1051.4697.00         | AVX                        | CM105X7R333K25VAT          |              |
| C110                | CE 4,7UF+-10% 10V 3528<br>TANTALUM CHIP CAPACITOR                          | CE 0007.7275.00         | SPRAGUE                    | 293D 475 X9 010 B2T        |              |
| C111<br>..118       | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR                         | CC 1051.4697.00         | AVX                        | CM105X7R333K25VAT          |              |
| C119                | CC 220NF+-10%50V X7R 1210<br>CERAMIC CAPACITOR CHIP                        | CC 0520.6850.00         | AVX                        | 1210 5C 224KA 11A          |              |
| C120<br>..122       | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR                         | CC 1051.4697.00         | AVX                        | CM105X7R333K25VAT          |              |

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| <br><b>ROHDE &amp; SCHWARZ</b> |          | 68 | 07.10.99      | EE IQ-MODULATOR<br><br>IQ-MODULATOR   | <b>1084.9800.01 SA</b>  | 2+               |

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| C123          | CC 47PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0009.4644.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C124          | CC 47PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0009.4644.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C125          | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C126          | CC 22ONF+-10%50V X7R 1210<br>CERAMIC CAPACITOR CHIP | CC 0520.6850.00 | AVX          | 1210 5C 224KA 11A    |              |
| C127          | CC 22ONF+-10%50V X7R 1210<br>CERAMIC CAPACITOR CHIP | CC 0520.6850.00 | AVX          | 1210 5C 224KA 11A    |              |
| C128          | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C129          | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C130          | CC 22ONF+-10%50V X7R 1210<br>CERAMIC CAPACITOR CHIP | CC 0520.6850.00 | AVX          | 1210 5C 224KA 11A    |              |
| C131          | CC 22ONF+-10%50V X7R 1210<br>CERAMIC CAPACITOR CHIP | CC 0520.6850.00 | AVX          | 1210 5C 224KA 11A    |              |
| C132          | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C133          | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C134          | CC 270PF+-10% 50VHDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1097.6370.00 | VITRAMON     | VJ0603Y***KXAT       |              |
| C135          | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C136          | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C137          | CC 4,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4538.00 | MURATA       | GRM39COG***B50ZPT    |              |
| C138          | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C139          | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C140          | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR   | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C50OPT* |              |
| C141          | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| ..145<br>C146 | CC 22ONF+-10%50V X7R 1210<br>CERAMIC CAPACITOR CHIP | CC 0520.6850.00 | AVX          | 1210 5C 224KA 11A    |              |
| C147          | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C148          | CE 4,7UF+-10% 10V 3528<br>TANTALUM CHIP CAPACITOR   | CE 0007.7275.00 | SPRAGUE      | 293D 475 X9 010 B2T  |              |
| C149          | CE 10UF +-10% 25V 7343<br>TANTALUM SMD-CAPACITOR    | CE 0007.7246.00 | SPRAGUE      | 293D 106 X9 025 D2W  |              |
| C150          | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C151          | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C152          | CC 22ONF+-10%50V X7R 1210<br>CERAMIC CAPACITOR CHIP | CC 0520.6850.00 | AVX          | 1210 5C 224KA 11A    |              |
| C153          | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| ..156<br>C157 | CC 22ONF+-10%50V X7R 1210<br>CERAMIC CAPACITOR CHIP | CC 0520.6850.00 | AVX          | 1210 5C 224KA 11A    |              |
| C158          | CC 22ONF+-10%50V X7R 1210<br>CERAMIC CAPACITOR CHIP | CC 0520.6850.00 | AVX          | 1210 5C 224KA 11A    |              |
| C159          | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| ..161<br>C162 | CC 10ONF+-10%16V HDK 0603<br>CERAMIC CHIP CAPACITOR | CC 1097.6292.00 | AVX          | CM105 X7R104K16AT    |              |
| C163          | CE 10UF +-10% 10V 6032<br>TANTALUM CHIP CAPACITOR   | CE 0007.7281.00 | SPRAGUE      | 293D-106X9 016 C2W   |              |
| C164          | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| ..167<br>C168 | CC 2,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.8291.00 | MURATA       | GRM39COG***B50ZPT    |              |
| C169          | CC 22ONF+-10%50V X7R 1210<br>CERAMIC CAPACITOR CHIP | CC 0520.6850.00 | AVX          | 1210 5C 224KA 11A    |              |
| C170          | CE 4,7UF+-10% 10V 3528<br>TANTALUM CHIP CAPACITOR   | CE 0007.7275.00 | SPRAGUE      | 293D 475 X9 010 B2T  |              |
| ..173<br>C174 | CC 22ONF+-10%50V X7R 1210<br>CERAMIC CAPACITOR CHIP | CC 0520.6850.00 | AVX          | 1210 5C 224KA 11A    |              |
| C175          | CC 22PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0009.4609.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C176          | CC 47PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0009.4644.00 | MURATA       | GRM39COG***F50ZPT    |              |

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| <br><b>ROHDE &amp; SCHWARZ</b> | 68       | 07.10.99 | EE IQ-MODULATOR<br><br>IQ-MODULATOR | <b>1084.9800.01 SA</b>                | 3+                      |                   |

| Kennz.<br>Comp. No. | Benennung<br>Designation                            | Sachnummer<br>Stock No. | Hersteller<br>Manufacturer | Designation          | contained in |
|---------------------|-----------------------------------------------------|-------------------------|----------------------------|----------------------|--------------|
| C177                | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00         | AVX                        | CM105X7R333K25VAT    |              |
| C178                | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00         | AVX                        | CM105X7R333K25VAT    |              |
| C180                | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00         | AVX                        | CM105X7R333K25VAT    |              |
| C181                | CC 1UF+-10% 50V X7R 2220<br>CERAMIC CAPACITOR       | CC 0520.6873.00         | AVX                        | 2220 5C 105 KAT**A(F |              |
| C182                | CC 220PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR   | CC 0009.4721.00         | MURATA                     | GRM39COG***F50ZPT    |              |
| C183                | CC 220PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR   | CC 0009.4721.00         | MURATA                     | GRM39COG***F50ZPT    |              |
| C184                | CC 1UF+-10% 50V X7R 2220<br>CERAMIC CAPACITOR       | CC 0520.6873.00         | AVX                        | 2220 5C 105 KAT**A(F |              |
| C185                | CC 10P+-O, 1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4567.00         | MURATA                     | GRM39COG***B50ZPT    |              |
| C186                | RG 0-OHM WIDERSTAND 0603<br>SMD RESISTOR EIA0603    | 0009.9369.00            | PHILIPS_CO                 | RC21 0 OHM           |              |
| C187                | CC 10P+-O, 1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4567.00         | MURATA                     | GRM39COG***B50ZPT    |              |
| C188                | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00         | AVX                        | CM105X7R333K25VAT    |              |
| C189                | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR   | CC 0009.4680.00         | MURATA                     | GRM39COG***F50ZPT    |              |
| C190                | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR   | CC 0009.4680.00         | MURATA                     | GRM39COG***F50ZPT    |              |
| C191                | CC 10P+-O, 1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4567.00         | MURATA                     | GRM39COG***B50ZPT    |              |
| C192                | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00         | AVX                        | CM105X7R333K25VAT    |              |
| C193                | CC 10P+-O, 1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4567.00         | MURATA                     | GRM39COG***B50ZPT    |              |
| C194                | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00         | AVX                        | CM105X7R333K25VAT    |              |
| C199                | CC 10P+-O, 1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4567.00         | MURATA                     | GRM39COG***B50ZPT    |              |
| C200                | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00         | AVX                        | CM105X7R333K25VAT    |              |
| C201                | CC 10UF +-10% 10V 6032<br>TANTALUM CHIP CAPACITOR   | CE 0007.7281.00         | SPRAGUE                    | 293D-106X9 016 C2W   |              |
| C202                | CC 10P+-O, 1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4567.00         | MURATA                     | GRM39COG***B50ZPT    |              |
| C203                | CC 10P+-O, 1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4567.00         | MURATA                     | GRM39COG***B50ZPT    |              |
| C204                | CC 100NF+-10%16V HDK 0603<br>CERAMIC CHIP CAPACITOR | CC 1097.6292.00         | AVX                        | CM105 X7R104K16AT    |              |
| C205                | CC 100NF+-10%16V HDK 0603<br>CERAMIC CHIP CAPACITOR | CC 1097.6292.00         | AVX                        | CM105 X7R104K16AT    |              |
| C206                | CE 10UF +-10% 10V 6032<br>TANTALUM CHIP CAPACITOR   | CE 0007.7281.00         | SPRAGUE                    | 293D-106X9 016 C2W   |              |
| C207                | CC 27PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0010.9323.00         | MURATA                     | GRM39COG***F50ZPT    |              |
| C208                | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR   | CC 0009.4680.00         | MURATA                     | GRM39COG***F50ZPT    |              |
| C209                | CC 220NF+-10%50V X7R 1210<br>CERAMIC CAPACITOR CHIP | CC 0520.6850.00         | AVX                        | 1210 5C 224KA 11A    |              |
| C210                | CC 10P+-O, 1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4567.00         | MURATA                     | GRM39COG***B50ZPT    |              |
| C211                | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00         | AVX                        | CM105X7R333K25VAT    |              |
| C212                | CC 22PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0009.4609.00         | MURATA                     | GRM39COG***F50ZPT    |              |
| C213                | CC 47PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0009.4644.00         | MURATA                     | GRM39COG***F50ZPT    |              |
| C214                | CC 10PF+-1% 50V COG 0603<br>SMD-CERAMIC CAPACITOR   | CC 0008.2183.00         | AVX                        | 0603 5J 100 FAW TR   |              |
| C215                | CC 10P+-O, 1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4567.00         | MURATA                     | GRM39COG***B50ZPT    |              |
| C216                | CC 10P+-O, 1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4567.00         | MURATA                     | GRM39COG***B50ZPT    |              |
| C217                | CC 3,3NF+-1% 50V NPO 1206<br>SMD-CERAMIC CAPACITOR  | 0010.2970.00            | MURATA                     | GRM42-6COG332F50PT   |              |
| C218                | CC 3,3NF+-1% 50V NPO 1206<br>SMD-CERAMIC CAPACITOR  | 0010.2970.00            | MURATA                     | GRM42-6COG332F50PT   |              |
| C219                | CC 22PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0009.4609.00         | MURATA                     | GRM39COG***F50ZPT    |              |
| C220                | CC 1,0PFO, 1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.8304.00         | MURATA                     | GRM39COG***B50ZPT    |              |
| C221                |                                                     |                         |                            |                      |              |

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| <br><b>ROHDE &amp; SCHWARZ</b> |          | 68 | 07.10.99      | EE IQ-MODULATOR<br><br>IQ-MODULATOR   | <b>1084.9800.01 SA</b>  | 4+                |

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| Comp. No. | Designation                                         | Stock No.       | Manufacturer | Designation         | contained in |
|-----------|-----------------------------------------------------|-----------------|--------------|---------------------|--------------|
| C222      | CC 22PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0009.4609.00 | MURATA       | GRM39COG***F50ZPT   |              |
| C223      | CC 1,0PFO, 1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.8304.00 | MURATA       | GRM39COG***B50ZPT   |              |
| C224      | CC 22PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0009.4609.00 | MURATA       | GRM39COG***F50ZPT   |              |
| ..228     | CC 22PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0009.4609.00 | MURATA       | GRM39COG***F50ZPT   |              |
| C229      | CC 22PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0009.4609.00 | MURATA       | GRM39COG***F50ZPT   |              |
| C230      | CC 22PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0009.4609.00 | MURATA       | GRM39COG***F50ZPT   |              |
| C231      | CC 22PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0009.4609.00 | MURATA       | GRM39COG***F50ZPT   |              |
| C232      | CC 22ONF+-10%50V X7R 1210<br>CERAMIC CAPACITOR CHIP | CC 0520.6850.00 | AVX          | 1210 5C 224KA 11A   |              |
| C233      | CC 22OPF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR   | CC 0009.4721.00 | MURATA       | GRM39COG***F50ZPT   |              |
| C234      | CC 4,7PFO, 1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4538.00 | MURATA       | GRM39COG***B50ZPT   |              |
| C235      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT   |              |
| C236      | CC 0,5PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR      | CC 0010.7137.00 | AVX          | 0603 5J *** AAW TR  |              |
| C237      | CE 10UF +-10% 10V 6032<br>TANTALUM CHIP CAPACITOR   | CE 0007.7281.00 | SPRAGUE      | 293D-106X9 016 C2W  |              |
| C238      | CC 22PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0009.4609.00 | MURATA       | GRM39COG***F50ZPT   |              |
| C239      | CC 22PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0009.4609.00 | MURATA       | GRM39COG***F50ZPT   |              |
| C240      | CC 22ONF+-10%50V X7R 1210<br>CERAMIC CAPACITOR CHIP | CC 0520.6850.00 | AVX          | 1210 5C 224KA 11A   |              |
| C241      | CC 22ONF+-10%50V X7R 1210<br>CERAMIC CAPACITOR CHIP | CC 0520.6850.00 | AVX          | 1210 5C 224KA 11A   |              |
| C242      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT   |              |
| ..244     | CC 0,5PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR      | CC 0010.7137.00 | AVX          | 0603 5J *** AAW TR  |              |
| C245      | CC 0,5PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR      | CE 0007.7275.00 | SPRAGUE      | 293D 475 X9 010 B2T |              |
| C246      | CE 4,7UF+-10% 10V 3528<br>TANTALUM CHIP CAPACITOR   | CC 0009.4609.00 | MURATA       | GRM39COG***F50ZPT   |              |
| C247      | CC 22PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0009.4609.00 | MURATA       | GRM39COG***F50ZPT   |              |
| C248      | CC 22PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR    | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT   |              |
| C249      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT   |              |
| C250      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 0520.6850.00 | AVX          | 1210 5C 224KA 11A   |              |
| C251      | CC 22ONF+-10%50V X7R 1210<br>CERAMIC CAPACITOR CHIP | CC 0009.4609.00 | MURATA       | GRM39COG***F50ZPT   |              |
| C252      | CC 22PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0009.4609.00 | MURATA       | GRM39COG***F50ZPT   |              |
| C253      | CC 22PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR    | CE 0007.7275.00 | SPRAGUE      | 293D 475 X9 010 B2T |              |
| C254      | CE 4,7UF+-10% 10V 3528<br>TANTALUM CHIP CAPACITOR   | CC 0009.4609.00 | MURATA       | GRM39COG***F50ZPT   |              |
| C255      | CC 22PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR    | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT   |              |
| C256      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT   |              |
| C257      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 0009.4467.00 | MURATA       | GRM39COG***B50ZPT   |              |
| C258      | CC 2,2PFO, 1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0009.4721.00 | MURATA       | GRM39COG***F50ZPT   |              |
| C259      | CC 22OPF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR   | CC 0520.6850.00 | AVX          | 1210 5C 224KA 11A   |              |
| ..262     | CC 22ONF+-10%50V X7R 1210<br>CERAMIC CAPACITOR CHIP | CC 0009.4609.00 | MURATA       | GRM39COG***F50ZPT   |              |
| C263      | CC 22PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0009.4567.00 | MURATA       | GRM39COG***B50ZPT   |              |
| C264      | CC 10P+-0, 1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR | CC 0520.6850.00 | AVX          | 1210 5C 224KA 11A   |              |
| C265      | CC 22ONF+-10%50V X7R 1210<br>CERAMIC CAPACITOR CHIP | CC 0009.8227.00 | MURATA       | GRM39COG***F50ZPT   |              |
| C266      | CC 15PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR    | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT   |              |
| ..269     | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 0009.8227.00 | MURATA       | GRM39COG***F50ZPT   |              |
| C270      | CC 15PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR    |                 |              |                     |              |
| C271      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  |                 |              |                     |              |
| C272      | CC 15PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR    |                 |              |                     |              |
| ..280     |                                                     |                 |              |                     |              |

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|  |     |      | 68 | 07.10.99      | EE IQ-MODULATOR<br>IQ-MODULATOR       | <b>1084.9800.01 SA</b>  | 5+                |

| Kennz.<br>Comp. No. | Benennung<br>Designation                              | Sachnummer<br>Stock No. | Hersteller<br>Manufacturer | Bezeichnung<br>Designation | contained in |
|---------------------|-------------------------------------------------------|-------------------------|----------------------------|----------------------------|--------------|
| C281                | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR    | CC 1051.4697.00         | AVX                        | CM105X7R333K25VAT          |              |
| C282                | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR    | CC 1051.4697.00         | AVX                        | CM105X7R333K25VAT          |              |
| C283                | CC 10P+-0,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0009.4567.00         | MURATA                     | GRM39COG***B50ZPT          |              |
| C284                | CC 15PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR      | CC 0009.8227.00         | MURATA                     | GRM39COG***F50ZPT          |              |
| .288<br>C289        | CC 220PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR     | CC 0009.4721.00         | MURATA                     | GRM39COG***F50ZPT          |              |
| C290                | CC 4,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0009.4538.00         | MURATA                     | GRM39COG***B50ZPT          |              |
| C291                | CC 2,2PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0009.4467.00         | MURATA                     | GRM39COG***B50ZPT          |              |
| C292                | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR    | CC 1051.4697.00         | AVX                        | CM105X7R333K25VAT          |              |
| C293                | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR    | CC 1051.4697.00         | AVX                        | CM105X7R333K25VAT          |              |
| C294                | CE 100UF+-20%16V RUND SMD<br>SMD-ELECTOLYTIC CAPACIT. | CE 0009.6553.00         | SANYO                      | 16CV100F(G)S               |              |
| C295                | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR    | CC 1051.4697.00         | AVX                        | CM105X7R333K25VAT          |              |
| .302<br>C303        | CC 100NF+-10%50V X7R 1206<br>CERAMIC CHIP CAPACITOR   | CC 0007.5237.00         | PHILIPS_CO                 | 2238 581 55649             |              |
| C304                | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR     | CC 0009.4844.00         | MURATA                     | GRM39X7R***K5C500PT*       |              |
| C305                | CC 1,5PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0009.4450.00         | MURATA                     | GRM39COG***B50ZPT          |              |
| C306                | CC 4,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0009.4538.00         | MURATA                     | GRM39COG***B50ZPT          |              |
| C307                | CC 82PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR      | CC 1097.6363.00         | MURATA                     | GRM39COG***F50ZPT          |              |
| C308                | CC 47PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR      | CC 0009.4644.00         | MURATA                     | GRM39COG***F50ZPT          |              |
| .313<br>C314        | CC 470PF+-10%50V HDK 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0009.4896.00         | MURATA                     | GRM39X7R***K5C500PT*       |              |
| C315                | RG 0-OHM WIDERSTAND 0603<br>SMD RESISTOR E1A0603      | 0009.9369.00            | PHILIPS_CO                 | RC21 0 OHM                 |              |
| C316                | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR    | CC 1051.4697.00         | AVX                        | CM105X7R333K25VAT          |              |
| C317                | CC 2,2NF+-1% 50V NPO 1206<br>SMD-CERAMIC CAPACITOR    | 0010.2964.00            | MURATA                     | GRM42-6COG222F50PT         |              |
| C318                | CC 2,2NF+-1% 50V NPO 1206<br>SMD-CERAMIC CAPACITOR    | 0010.2964.00            | MURATA                     | GRM42-6COG222F50PT         |              |
| C319                | CC 47PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR      | CC 0009.4644.00         | MURATA                     | GRM39COG***F50ZPT          |              |
| C320                | CC 22PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR      | CC 0009.4609.00         | MURATA                     | GRM39COG***F50ZPT          |              |
| C321                | CC 47PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR      | CC 0009.4644.00         | MURATA                     | GRM39COG***F50ZPT          |              |
| .325<br>C326        | CC 22PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR      | CC 0009.4609.00         | MURATA                     | GRM39COG***F50ZPT          |              |
| C327                | CC 47PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR      | CC 0009.4644.00         | MURATA                     | GRM39COG***F50ZPT          |              |
| .329<br>C330        | CC 0,3PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR        | CC 0010.7114.00         | AVX                        | 0603 5J *** AAW TR         |              |
| C331                | CC 47PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR      | CC 0009.4644.00         | MURATA                     | GRM39COG***F50ZPT          |              |
| C332                | CE 22UF+-20%35V RUND SMD<br>SMD ELECTROLYTIC CAPACIT. | CE 0009.6253.00         | PANASONIC                  | EEV HB 1V 220P             |              |
| C333                | CC 47PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR      | CC 0009.4644.00         | MURATA                     | GRM39COG***F50ZPT          |              |
| C334                | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR    | CC 1051.4697.00         | AVX                        | CM105X7R333K25VAT          |              |
| C335                | CC 47PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR      | CC 0009.4644.00         | MURATA                     | GRM39COG***F50ZPT          |              |
| .343<br>C344        | CC 3,3PF 0,1PF 50V NPO 06<br>SMD-CERAMIC-CAPACITOR    | CC 0009.8285.00         | MURATA                     | GRM39COG***B50ZPT          |              |
| C345                | CC 47PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR      | CC 0009.4644.00         | MURATA                     | GRM39COG***F50ZPT          |              |
| .348<br>C349        | CC 22PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR      | CC 0009.4609.00         | MURATA                     | GRM39COG***F50ZPT          |              |
| C350                | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR    | CC 1051.4697.00         | AVX                        | CM105X7R333K25VAT          |              |
| C351                | CC 220NF+-10%50V X7R 1210<br>CERAMIC CAPACITOR CHIP   | CC 0520.6850.00         | AVX                        | 1210 5C 224KA 11A          |              |
| C352                | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR    | CC 1051.4697.00         | AVX                        | CM105X7R333K25VAT          |              |

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|----------------------------------------------------------------------------------------------------------------|-----|------|----|---------------|----------------------------------------|-------------------------|-------------------|
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|  <b>ROHDE &amp; SCHWARZ</b> |     |      |    | 68 07.10.99   | EE IQ-MODULATOR<br>IQ-MODULATOR        | <b>1084.9800.01 SA</b>  | 6+                |

| Comp. No. | Designation                                         | Stock No.       | Manufacturer | Designation          | contained in |
|-----------|-----------------------------------------------------|-----------------|--------------|----------------------|--------------|
| C353      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C354      | CC 220NF+-10%50V X7R 1210<br>CERAMIC CAPACITOR CHIP | CC 0520.6850.00 | AVX          | 1210 5C 224KA 11A    |              |
| C355      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| ..357     | CC 220NF+-10%50V X7R 1210<br>CERAMIC CAPACITOR CHIP | CC 0520.6850.00 | AVX          | 1210 5C 224KA 11A    |              |
| C358      | CC 220NF+-10%50V X7R 1210<br>CERAMIC CAPACITOR CHIP | CC 0520.6850.00 | AVX          | 1210 5C 224KA 11A    |              |
| C359      | CC 220NF+-10%50V X7R 1210<br>CERAMIC CAPACITOR CHIP | CC 0520.6850.00 | AVX          | 1210 5C 224KA 11A    |              |
| C360      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| ..362     | CC 220NF+-10%50V X7R 1210<br>CERAMIC CAPACITOR CHIP | CC 0520.6850.00 | AVX          | 1210 5C 224KA 11A    |              |
| C363      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C364      | CC 10PF+-1% 50V COG 0603<br>SMD-CERAMIC CAPACITOR   | CC 0008.2183.00 | AVX          | 0603 5J 100 FAW TR   |              |
| C365      | CC 10P+-0,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4567.00 | MURATA       | GRM39COG***B50ZPT    |              |
| C366      | CC 1,5PF0,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4450.00 | MURATA       | GRM39COG***B50ZPT    |              |
| C367      | CC 1,0PF0,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.8304.00 | MURATA       | GRM39COG***B50ZPT    |              |
| C368      | CC 10PF+-1% 50V COG 0603<br>SMD-CERAMIC CAPACITOR   | CC 0008.2183.00 | AVX          | 0603 5J 100 FAW TR   |              |
| C369      | CC 220NF+-10%50V X7R 1210<br>CERAMIC CAPACITOR CHIP | CC 0520.6850.00 | AVX          | 1210 5C 224KA 11A    |              |
| C370      | CC 220NF+-10%50V X7R 1210<br>CERAMIC CAPACITOR CHIP | CC 0520.6850.00 | AVX          | 1210 5C 224KA 11A    |              |
| C371      | CC 0,3PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR      | CC 0010.7114.00 | AVX          | 0603 5J *** AAW TR   |              |
| C372      | CC 10PF+-1% 50V COG 0603<br>SMD-CERAMIC CAPACITOR   | CC 0008.2183.00 | AVX          | 0603 5J 100 FAW TR   |              |
| C373      | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR   | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C374      | CC 3,3PF 0,1PF 50V NPO 06<br>SMD-CERAMIC-CAPACITOR  | CC 0009.8285.00 | MURATA       | GRM39COG***B50ZPT    |              |
| ..378     | CC 1,0NF+-10%50V HDK 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4938.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C379      | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR   | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C380      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C381      | CC 220NF+-10%50V X7R 1210<br>CERAMIC CAPACITOR CHIP | CC 0520.6850.00 | AVX          | 1210 5C 224KA 11A    |              |
| C382      | CC 220NF+-10%50V X7R 1210<br>CERAMIC CAPACITOR CHIP | CC 0520.6850.00 | AVX          | 1210 5C 224KA 11A    |              |
| C383      | CC 39PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0009.9730.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C384      | CC 39PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0009.9730.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C385      | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR   | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C386      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C387      | CC 10P+-0,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4567.00 | MURATA       | GRM39COG***B50ZPT    |              |
| C388      | CC 10P+-0,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4567.00 | MURATA       | GRM39COG***B50ZPT    |              |
| C389      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C390      | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR   | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |              |
| ..392     | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR   | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C393      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C394      | CC 220NF+-10%50V X7R 1210<br>CERAMIC CAPACITOR CHIP | CC 0520.6850.00 | AVX          | 1210 5C 224KA 11A    |              |
| C395      | CC 1,0NF+-10%50V HDK 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4938.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C396      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C397      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C398      | CC 220NF+-10%50V X7R 1210<br>CERAMIC CAPACITOR CHIP | CC 0520.6850.00 | AVX          | 1210 5C 224KA 11A    |              |
| C400      |                                                     |                 |              |                      |              |

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|-------------------------------------------------------------------------------------------------------------------|----------|----|---------------|---------------------------------------|-------------------------|-------------------|
| <br><b>ROHDE &amp; SCHWARZ</b> |          | 68 | 07.10.99      | EE IQ-MODULATOR<br><br>IQ-MODULATOR   | <b>1084.9800.01 SA</b>  | 7+                |

| Kennz.<br>Comp. No. | Bezeichnung<br>Designation                          | Bestandteil<br>Stock No. | Hersteller<br>Manufacturer | Bezeichnung<br>Designation | contained in |
|---------------------|-----------------------------------------------------|--------------------------|----------------------------|----------------------------|--------------|
| C401<br>..403       | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00          | AVX                        | CM105X7R333K25VAT          |              |
| C404<br>..407       | CC 8,2PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4550.00          | MURATA                     | GRM39COG***B50ZPT          |              |
| C408                | CC 220NF+-10%50V X7R 1210<br>CERAMIC CAPACITOR CHIP | CC 0520.6850.00          | AVX                        | 1210 5C 224KA 11A          |              |
| C409                | CC 220NF+-10%50V X7R 1210<br>CERAMIC CAPACITOR CHIP | CC 0520.6850.00          | AVX                        | 1210 5C 224KA 11A          |              |
| C410                | CC 47PF+-1% 50V NPO 0603<br>SMD-CERAMIC-CAPACITOR   | CC 0009.4644.00          | MURATA                     | GRM39COG***F50ZPT          |              |
| C411                | CC 220NF+-10%50V X7R 1210<br>CERAMIC CAPACITOR CHIP | CC 0520.6850.00          | AVX                        | 1210 5C 224KA 11A          |              |
| C412                | CC 82PF+-1% 50V NPO 0603<br>SMD-CERAMIC-CAPACITOR   | CC 1097.6363.00          | MURATA                     | GRM39COG***F50ZPT          |              |
| C413<br>..415       | CC 220NF+-10%50V X7R 1210<br>CERAMIC CAPACITOR CHIP | CC 0520.6850.00          | AVX                        | 1210 5C 224KA 11A          |              |
| C416                | CC 22PF+-1% 50V NPO 0603<br>SMD-CERAMIC-CAPACITOR   | CC 0009.4609.00          | MURATA                     | GRM39COG***F50ZPT          |              |
| C417                | CC 1UF+-10% 50V X7R 2220<br>CERAMIC CAPACITOR       | CC 0520.6873.00          | AVX                        | 2220 5C 105 KAT**A(F       |              |
| C418                | CC 1UF+-10% 50V X7R 2220<br>CERAMIC CAPACITOR       | CC 0520.6873.00          | AVX                        | 2220 5C 105 KAT**A(F       |              |
| C419                | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00          | AVX                        | CM105X7R333K25VAT          |              |
| C420                | CC 0,8PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR      | CC 0010.7166.00          | AVX                        | 0603 5J *** AAW TR         |              |
| C421                | CC 1,2PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4444.00          | MURATA                     | GRM39COG***B50ZPT          |              |
| C422                | CC 100PF+-1% 50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4680.00          | MURATA                     | GRM39COG***F50ZPT          |              |
| C423                | CC 100PF+-1% 50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4680.00          | MURATA                     | GRM39COG***F50ZPT          |              |
| C424                | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00          | AVX                        | CM105X7R333K25VAT          |              |
| C425                | CC 1,0NF+-10%50V HDK 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4938.00          | MURATA                     | GRM39X7R***K5C500PT*       |              |
| C426                | CC 100NF+-10%16V HDK 0603<br>CERAMIC CHIP CAPACITOR | CC 1097.6292.00          | AVX                        | CM105 X7R104K16AT          |              |
| C427                | CC 1,0NF+-10%50V HDK 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4938.00          | MURATA                     | GRM39X7R***K5C500PT*       |              |
| C428                | CC 470PF+-10%50V HDK 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4896.00          | MURATA                     | GRM39X7R***K5C500PT*       |              |
| C429<br>..434       | CC 1,0NF+-10%50V HDK 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4938.00          | MURATA                     | GRM39X7R***K5C500PT*       |              |
| C435                | CC 10PF+-1% 50V COG 0603<br>SMD-CERAMIC CAPACITOR   | CC 0008.2183.00          | AVX                        | 0603 5J 100 FAW TR         |              |
| C436                | CC 10P+-0,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4567.00          | MURATA                     | GRM39COG***B50ZPT          |              |
| C437                | CC 220PF+-1% 50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4721.00          | MURATA                     | GRM39COG***F50ZPT          |              |
| C438<br>..441       | CC 1,0NF+-10%50V HDK 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4938.00          | MURATA                     | GRM39X7R***K5C500PT*       |              |
| C442                | CC 220NF+-10%50V X7R 1210<br>CERAMIC CAPACITOR CHIP | CC 0520.6850.00          | AVX                        | 1210 5C 224KA 11A          |              |
| C443                | CC 1,0NF+-10%50V HDK 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4938.00          | MURATA                     | GRM39X7R***K5C500PT*       |              |
| C444                | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00          | AVX                        | CM105X7R333K25VAT          |              |
| C445                | CC 0,4PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR      | CC 0010.7120.00          | AVX                        | 0603 5J *** AAW TR         |              |
| C446                | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00          | AVX                        | CM105X7R333K25VAT          |              |
| C447                | CC 15NF+-5% 25V HDK 0603<br>SMD CAPACITOR           | CC 0048.4064.00          | MURATA                     | GRM39X7R153J25PT           |              |
| C448<br>..451       | CC 2,2PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4467.00          | MURATA                     | GRM39COG***B50ZPT          |              |
| C452                | XX ENTHALTEN IN<br>INCLUDED IN                      |                          |                            |                            |              |
| C453                | CC 0,6PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR      | CC 0010.7143.00          | AVX                        | 0603 5J *** AAW TR         |              |
| C454                | CC 3,3PF 0,1PF 50V NPO 06<br>SMD-CERAMIC-CAPACITOR  | CC 0009.8285.00          | MURATA                     | GRM39COG***B50ZPT          |              |
| C455                | CC 100PF+-1% 50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4680.00          | MURATA                     | GRM39COG***F50ZPT          |              |
| C456                | CC 10NF+-10% 50V HDK 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4844.00          | MURATA                     | GRM39X7R***K5C500PT*       |              |
| C457                | CC 220NF+-10%50V X7R 1210<br>CERAMIC CAPACITOR CHIP | CC 0520.6850.00          | AVX                        | 1210 5C 224KA 11A          |              |

| 1GPK                                                                                                              | 887 3PLU | Äl       | Datum<br>Date                   | Schaltteilleiste für<br>Parts list for | Sachnummer<br>Stock No. | Blatt-Nr.<br>Page |
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| <br><b>ROHDE &amp; SCHWARZ</b> | 68       | 07.10.99 | EE IQ-MODULATOR<br>IQ-MODULATOR | <b>1084.9800.01 SA</b>                 | 8+                      |                   |

| Comp. No. | Designation                                            | Stock No.       | Manufacturer | Designation          | contained in |
|-----------|--------------------------------------------------------|-----------------|--------------|----------------------|--------------|
| C458      | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR      | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C459      | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR      | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C460      | CC 470PF+-10%50V HDK 0603                              | CC 0009.4896.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| ..462     | SMD-CERAMIC-CAPACITOR                                  |                 |              |                      |              |
| C463      | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR      | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C464      | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR      | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C465      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR     | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C466      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR     | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C467      | CC 470PF+-10%50V HDK 0603<br>SMD-CERAMIC-CAPACITOR     | CC 0009.4896.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C468      | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR      | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C469      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR     | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C470      | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR      | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |              |
| ..473     | CC 1,0NF+-10%50V HDK 0603                              | CC 0009.4938.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C474      | SMD-CERAMIC-CAPACITOR                                  |                 |              |                      |              |
| C475      | CC 1,0NF+-10%50V HDK 0603<br>SMD-CERAMIC-CAPACITOR     | CC 0009.4938.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C476      | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR      | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C477      | CC 10NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR      | CC 0009.4844.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C478      | CC 1,0NF+-10%50V HDK 0603<br>SMD-CERAMIC-CAPACITOR     | CC 0009.4938.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C479      | CC 1,0NF+-10%50V HDK 0603<br>SMD-CERAMIC-CAPACITOR     | CC 0009.4938.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C480      | CE 100UF+-20%16V RUND SMD<br>SMD-ELECTROLYTIC CAPACIT. | CE 0009.6553.00 | SANYO        | 16CV100F(G)S         |              |
| C481      | CC 3,3NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR     | CC 0048.5390.00 | MURATA       | GRM39X7R332K5C500PT  |              |
| C482      | CC 0,6PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR         | CC 0010.7143.00 | AVX          | 0603 5J *** AAW TR   |              |
| C483      | CC 220PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR      | CC 0009.4721.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C484      | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR      | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C485      | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR      | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C486      | CC 0,7PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR         | CC 0010.7150.00 | AVX          | 0603 5J *** AAW TR   |              |
| C487      | CC 4,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR     | CC 0009.4538.00 | MURATA       | GRM39COG***B50ZPT    |              |
| C488      | CC 100NF+-10%16V HDK 0603<br>CERAMIC CHIP CAPACITOR    | CC 1097.6292.00 | AVX          | CM105 X7R104K16AT    |              |
| C489      | CC 4,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR     | CC 0009.4538.00 | MURATA       | GRM39COG***B50ZPT    |              |
| C490      | CC 4,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR     | CC 0009.4538.00 | MURATA       | GRM39COG***B50ZPT    |              |
| C491      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR     | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C492      | CC 1,0NF+-10%50V HDK 0603<br>SMD-CERAMIC-CAPACITOR     | CC 0009.4938.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C493      | CC 1,0NF+-10%50V HDK 0603<br>SMD-CERAMIC-CAPACITOR     | CC 0009.4938.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C494      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR     | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C495      | CC 220NF+-10%50V X7R 1210<br>CERAMIC CAPACITOR CHIP    | CC 0520.6850.00 | AVX          | 1210 5C 224KA 11A    |              |
| C496      | CC 220NF+-10%50V X7R 1210<br>CERAMIC CAPACITOR CHIP    | CC 0520.6850.00 | AVX          | 1210 5C 224KA 11A    |              |
| C497      | CC 22PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR       | CC 0009.4609.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C498      | CC 0,3PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR         | CC 0010.7114.00 | AVX          | 0603 5J *** AAW TR   |              |
| ..500     | SMD-CERAMIC CAPACITOR                                  |                 |              |                      |              |
| C501      | CC 0,2PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR         | CC 0010.7108.00 | AVX          | 0603 5J *** AAW TR   |              |
| C502      | CC 0,1PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR         | CC 0010.7095.00 | AVX          | 0603 5J *** AAW TR   |              |
| C503      | CC 0,3PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR         | CC 0010.7114.00 | AVX          | 0603 5J *** AAW TR   |              |

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| 1GPK                                                                                                              | 887 3PLU | Äl       | Datum<br>Date                   | Schaltteilliste für<br>Parts list for | Sachnummer<br>Stock No. | Blatt-Nr.<br>Page |
|-------------------------------------------------------------------------------------------------------------------|----------|----------|---------------------------------|---------------------------------------|-------------------------|-------------------|
| <br><b>ROHDE &amp; SCHWARZ</b> | 68       | 07.10.99 | EE IQ-MODULATOR<br>IQ-MODULATOR | <b>1084.9800.01 SA</b>                | 9+                      |                   |

| Kennz.<br>Comp. No. | Benennung<br>Designation                               | Sachnummer<br>Stock No. | Hersteller<br>Manufacturer | Bezeichnung<br>Designation | contained in |
|---------------------|--------------------------------------------------------|-------------------------|----------------------------|----------------------------|--------------|
| C504                | CC 0,2PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR         | CC 0010.7108.00         | AVX                        | 0603 5J *** AAW TR         |              |
| C505                | CC 0,6PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR         | CC 0010.7143.00         | AVX                        | 0603 5J *** AAW TR         |              |
| C506                | CC 0,4PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR         | CC 0010.7120.00         | AVX                        | 0603 5J *** AAW TR         |              |
| C507                | CC 1,0NF+-10%50V HDK 0603<br>SMD-CERAMIC-CAPACITOR     | CC 0009.4938.00         | MURATA                     | GRM39X7R***K5C500PT*       |              |
| C508                | CE 22UF+-20%35V RUND SMD<br>SMD ELECTROLYTIC CAPACIT.  | CE 0009.6253.00         | PANASONIC                  | EEV HB 1V 220P             |              |
| C509                | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR      | CC 0009.4680.00         | MURATA                     | GRM39COG***F50ZPT          |              |
| C510                | CC 220NF+-10%50V X7R 1210<br>CERAMIC CAPACITOR CHIP    | CC 0520.6850.00         | AVX                        | 1210 5C 224KA 11A          |              |
| C511                | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR     | CC 1051.4697.00         | AVX                        | CM105X7R333K25VAT          |              |
| C514                | CE 100UF+-20%16V RUND SMD<br>SMD-ELECTROLYTIC CAPACIT. | CE 0009.6553.00         | SANYO                      | 16CV100F(G)S               |              |
| C515                | CE 22UF+-20%35V RUND SMD<br>SMD ELECTROLYTIC CAPACIT.  | CE 0009.6253.00         | PANASONIC                  | EEV HB 1V 220P             |              |
| C516                | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR      | CC 0009.4680.00         | MURATA                     | GRM39COG***F50ZPT          |              |
| C517                | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR     | CC 1051.4697.00         | AVX                        | CM105X7R333K25VAT          |              |
| C518                | CC 22PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR       | CC 0009.4609.00         | MURATA                     | GRM39COG***F50ZPT          |              |
| C519                | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR      | CC 0009.4680.00         | MURATA                     | GRM39COG***F50ZPT          |              |
| C520                | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR     | CC 1051.4697.00         | AVX                        | CM105X7R333K25VAT          |              |
| C521                | CE 4,7UF +-10% 25V 7343<br>TANTALUM CHIP CAPACITOR     | CE 0007.7230.00         | SPRAGUE                    | 293D475X9035D2W            |              |
| C522                | CE 4,7UF +-10% 25V 7343<br>TANTALUM CHIP CAPACITOR     | CE 0007.7230.00         | SPRAGUE                    | 293D475X9035D2W            |              |
| C523                | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR     | CC 1051.4697.00         | AVX                        | CM105X7R333K25VAT          |              |
| C524                | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR     | CC 1051.4697.00         | AVX                        | CM105X7R333K25VAT          |              |
| C525                | CC 220NF+-10%50V X7R 1210<br>CERAMIC CAPACITOR CHIP    | CC 0520.6850.00         | AVX                        | 1210 5C 224KA 11A          |              |
| C526                | CC 220NF+-10%50V X7R 1210<br>CERAMIC CAPACITOR CHIP    | CC 0520.6850.00         | AVX                        | 1210 5C 224KA 11A          |              |
| C527                | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR     | CC 1051.4697.00         | AVX                        | CM105X7R333K25VAT          |              |
| C528                | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR     | CC 1051.4697.00         | AVX                        | CM105X7R333K25VAT          |              |
| C529                | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR     | CC 1051.4697.00         | AVX                        | CM105X7R333K25VAT          |              |
| C530                | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR      | CC 0009.4680.00         | MURATA                     | GRM39COG***F50ZPT          |              |
| C535                | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR     | CC 1051.4697.00         | AVX                        | CM105X7R333K25VAT          |              |
| C541                | CC 220NF+-10%50V X7R 1210<br>CERAMIC CAPACITOR CHIP    | CC 0520.6850.00         | AVX                        | 1210 5C 224KA 11A          |              |
| C542                | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR     | CC 1051.4697.00         | AVX                        | CM105X7R333K25VAT          |              |
| C543                | CC 0,3PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR         | CC 0010.7114.00         | AVX                        | 0603 5J *** AAW TR         |              |
| C544                | CC 1,0PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR     | CC 0009.8304.00         | MURATA                     | GRM39COG***B50ZPT          |              |
| C547                | CC 220PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR      | CC 0009.4721.00         | MURATA                     | GRM39COG***F50ZPT          |              |
| C548                | CC 1,0NF+-10%50V HDK 0603<br>SMD-CERAMIC-CAPACITOR     | CC 0009.4938.00         | MURATA                     | GRM39X7R***K5C500PT*       |              |
| C549                | CC 4,7NF+-10% 50VHDK 0603<br>SMD-CERAMIC-CAPACITOR     | CC 0009.4809.00         | MURATA                     | GRM39X7R***K5C500PT*       |              |
| C550                | CC 2,2PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR     | CC 0009.4467.00         | MURATA                     | GRM39COG***B50ZPT          |              |
| C551                | CC 220NF+-10%50V X7R 1210<br>CERAMIC CAPACITOR CHIP    | CC 0520.6850.00         | AVX                        | 1210 5C 224KA 11A          |              |
| C552                | CC 3,3PF 0,1PF 50V NPO 06<br>SMD-CERAMIC-CAPACITOR     | CC 0009.8285.00         | MURATA                     | GRM39COG***B50ZPT          |              |
| C553                | CC 10P+-0,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR     | CC 0009.4567.00         | MURATA                     | GRM39COG***B50ZPT          |              |
| C554                | CC 10P+-0,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR     | CC 0009.4567.00         | MURATA                     | GRM39COG***B50ZPT          |              |
| C555                | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR      | CC 0009.4680.00         | MURATA                     | GRM39COG***F50ZPT          |              |

|                                                                                     |          |          |                 |                                       |                         |                   |
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| 1GPK                                                                                | 887 3PLU | ÄI       | Datum<br>Date   | Schaltteilliste für<br>Parts list for | Sachnummer<br>Stock No. | Blatt-Nr.<br>Page |
|  | 68       | 07.10.99 | EE IQ-MODULATOR | 10-MODULATOR                          | <b>1084.9800.01 SA</b>  | 10+               |

| Comp. No. | Designation                                         | Stock No.       | Manufacturer | Designation          | contained in |
|-----------|-----------------------------------------------------|-----------------|--------------|----------------------|--------------|
| C556      | CC 2,2PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4467.00 | MURATA       | GRM39COG***B50ZPT    |              |
| C557      | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR   | CC 0009.4680.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C558      | CC 47PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0009.4644.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C559      | CC 47PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0009.4644.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C560      | CC 5,6PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4521.00 | MURATA       | GRM39COG***B50ZPT    |              |
| C561      | CC 10P+-0,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4567.00 | MURATA       | GRM39COG***B50ZPT    |              |
| C562      | CC 3,3PF 0,1PF 50V NPO 06<br>SMD-CERAMIC-CAPACITOR  | CC 0009.8285.00 | MURATA       | GRM39COG***B50ZPT    |              |
| C563      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C564      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C565      | CC 8,2PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4550.00 | MURATA       | GRM39COG***B50ZPT    |              |
| C566      | CC 470PF+-10%50V HDK 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4896.00 | MURATA       | GRM39X7R***K5C500PT* |              |
| C567      | CC 2,2PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4467.00 | MURATA       | GRM39COG***B50ZPT    |              |
| C568      | CC 680PF+-1% 50V NPO 1206<br>CERAMIC CHIP CAPACITOR | CC 0007.7375.00 | MURATA       | GRM42-6COG 681F 50PT |              |
| C569      | CC 0,5PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR      | CC 0010.7137.00 | AVX          | 0603 5J *** AAW TR   |              |
| C570      | CC 10P+-0,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4567.00 | MURATA       | GRM39COG***B50ZPT    |              |
| C571      | CC 39PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0009.9730.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C572      | CC 18PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0048.3622.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C573      | CC 1,0PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.8304.00 | MURATA       | GRM39COG***B50ZPT    |              |
| C574      | CE 4,7UF+-10% 10V 3528<br>TANTALUM CHIP CAPACITOR   | CE 0007.7275.00 | SPRAGUE      | 293D 475 X9 010 B2T  |              |
| C575      | CE 10UF +-10% 10V 6032<br>TANTALUM CHIP CAPACITOR   | CE 0007.7281.00 | SPRAGUE      | 293D-106X9 016 C2W   |              |
| C576      | CE 10UF +-10% 10V 6032<br>TANTALUM CHIP CAPACITOR   | CE 0007.7281.00 | SPRAGUE      | 293D-106X9 016 C2W   |              |
| C577      | CC 22PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0009.4609.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C578      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C579      | CC 47PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0009.4644.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C580      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C581      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C582      | CC 22PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0009.4609.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C583      | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| C588      | CC 10P+-0,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4567.00 | MURATA       | GRM39COG***B50ZPT    |              |
| C589      | CC 10P+-0,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4567.00 | MURATA       | GRM39COG***B50ZPT    |              |
| C590      | CC 10P+-0,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4567.00 | MURATA       | GRM39COG***B50ZPT    |              |
| C591      | CC 10P+-0,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4567.00 | MURATA       | GRM39COG***B50ZPT    |              |
| C592      | CC 1,8PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4473.00 | MURATA       | GRM39COG***B50ZPT    |              |
| C593      | CC 47PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0009.4644.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C594      | CC 6,8PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.8262.00 | MURATA       | GRM39COG***B50ZPT    |              |
| C595      | CC 4,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4538.00 | MURATA       | GRM39COG***B50ZPT    |              |
| C596      | CC 4,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4538.00 | MURATA       | GRM39COG***B50ZPT    |              |
| C597      | CC 680PF+-1% 50V NPO 1206<br>CERAMIC CHIP CAPACITOR | CC 0007.7375.00 | MURATA       | GRM42-6COG 681F 50PT |              |
| C598      | CC 0,6PF+-0,05PF 0603<br>SMD-CERAMIC CAPACITOR      | CC 0010.7143.00 | AVX          | 0603 5J *** AAW TR   |              |
| C599      | CC 10P+-0,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4567.00 | MURATA       | GRM39COG***B50ZPT    |              |

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| 1GPK                                                                                | 887 3PLU | Äl | Datum<br>Date | Schaltteilliste für<br>Parts list for | Sachnummer<br>Stock No. | Blatt-Nr.<br>Page |
|-------------------------------------------------------------------------------------|----------|----|---------------|---------------------------------------|-------------------------|-------------------|
|  |          | 68 | 07.10.99      | EE IQ-MODULATOR<br>IQ-MODULATOR       | <b>1084.9800.01 SA</b>  | 11+               |

| Kennz.<br>Comp. No. | Benennung<br>Designation                            | Sachnummer<br>Stock No. | Hersteller<br>Manufacturer | Bezeichnung<br>Designation | contained in |
|---------------------|-----------------------------------------------------|-------------------------|----------------------------|----------------------------|--------------|
| C600                | CC 10P+-0,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4567.00         | MURATA                     | GRM39COG***B50ZPT          |              |
| C601                | CC 220NF+-10%50V X7R 1210<br>CERAMIC CAPACITOR CHIP | CC 0520.6850.00         | AVX                        | 1210 5C 224KA 11A          |              |
| C602                | CC 220PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR   | CC 0009.4721.00         | MURATA                     | GRM39COG***F50ZPT          |              |
| C603                | CC 220NF+-10%50V X7R 1210<br>CERAMIC CAPACITOR CHIP | CC 0520.6850.00         | AVX                        | 1210 5C 224KA 11A          |              |
| C604                | CC 39PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0009.9730.00         | MURATA                     | GRM39COG***F50ZPT          |              |
| C605                | CC 220NF+-10%50V X7R 1210<br>CERAMIC CAPACITOR CHIP | CC 0520.6850.00         | AVX                        | 1210 5C 224KA 11A          |              |
| C606                | CE 220UF 20% 10V SMD<br>TANTALUM SMD CAPACITOR      | 1081.1873.00            | SPRAGUE                    | 595D227X0010R2T            |              |
| C607                | CE 220UF 20% 10V SMD<br>TANTALUM SMD CAPACITOR      | 1081.1873.00            | SPRAGUE                    | 595D227X0010R2T            |              |
| C608                | CE 4,7UF+-10% 10V 3528<br>TANTALUM CHIP CAPACITOR   | CE 0007.7275.00         | SPRAGUE                    | 293D 475 X9 010 B2T        |              |
| C609                | CC 1,8PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4473.00         | MURATA                     | GRM39COG***B50ZPT          |              |
| C610                | CC 47PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0009.4644.00         | MURATA                     | GRM39COG***F50ZPT          |              |
| C611                | CC 10P+-0,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4567.00         | MURATA                     | GRM39COG***B50ZPT          |              |
| C612                | CC 22PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0009.4609.00         | MURATA                     | GRM39COG***F50ZPT          |              |
| C613                | CC 10P+-0,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4567.00         | MURATA                     | GRM39COG***B50ZPT          |              |
| C614                | CC 47PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0009.4644.00         | MURATA                     | GRM39COG***F50ZPT          |              |
| C615                | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00         | AVX                        | CM105X7R333K25VAT          |              |
| C616                | CC 10P+-0,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4567.00         | MURATA                     | GRM39COG***B50ZPT          |              |
| C617                | CC 22PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0009.4609.00         | MURATA                     | GRM39COG***F50ZPT          |              |
| ..620               | CC 1,0PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.8304.00         | MURATA                     | GRM39COG***B50ZPT          |              |
| C621                | CC 1,0PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.8304.00         | MURATA                     | GRM39COG***B50ZPT          |              |
| C622                | CC 47PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0009.4644.00         | MURATA                     | GRM39COG***F50ZPT          |              |
| C623                | CC 10P+-0,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4567.00         | MURATA                     | GRM39COG***B50ZPT          |              |
| C624                | CC 47PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0009.4644.00         | MURATA                     | GRM39COG***F50ZPT          |              |
| C625                | CE 220UF 20% 10V SMD<br>TANTALUM SMD CAPACITOR      | 1081.1873.00            | SPRAGUE                    | 595D227X0010R2T            |              |
| C626                | CC 47PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0009.4644.00         | MURATA                     | GRM39COG***F50ZPT          |              |
| ..629               | CC 2,2PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4467.00         | MURATA                     | GRM39COG***B50ZPT          |              |
| C630                | CC 2,2PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4467.00         | MURATA                     | GRM39COG***B50ZPT          |              |
| C631                | CC 1,0PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.8304.00         | MURATA                     | GRM39COG***B50ZPT          |              |
| C632                | CC 470PF+-10%50V HDK 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4896.00         | MURATA                     | GRM39X7R***K5C500PT*       |              |
| ..634               | CC 100NF+-10%16V HDK 0603<br>CERAMIC CHIP CAPACITOR | CC 1097.6292.00         | AVX                        | CM105 X7R104K16AT          |              |
| C635                | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00         | AVX                        | CM105X7R333K25VAT          |              |
| ..637               | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00         | AVX                        | CM105X7R333K25VAT          |              |
| C638                | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00         | AVX                        | CM105X7R333K25VAT          |              |
| C639                | CC 100NF+-10%16V HDK 0603<br>CERAMIC CHIP CAPACITOR | CC 1097.6292.00         | AVX                        | CM105 X7R104K16AT          |              |
| C640                | CC 1,0NF+-10%50V HDK 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4938.00         | MURATA                     | GRM39X7R***K5C500PT*       |              |
| ..642               | CC 1,0NF+-10%50V HDK 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4938.00         | MURATA                     | GRM39X7R***K5C500PT*       |              |
| C643                | CC 1,0NF+-10%50V HDK 0603<br>SMD-CERAMIC-CAPACITOR  | CC 0009.4938.00         | MURATA                     | GRM39X7R***K5C500PT*       |              |
| C644                | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR   | CC 0009.4680.00         | MURATA                     | GRM39COG***F50ZPT          |              |
| ..652               | CC 22PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR    | CC 0009.4609.00         | MURATA                     | GRM39COG***F50ZPT          |              |
| C653                | CE 4,7UF+-10% 10V 3528<br>TANTALUM CHIP CAPACITOR   | CE 0007.7275.00         | SPRAGUE                    | 293D 475 X9 010 B2T        |              |
| C654                | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00         | AVX                        | CM105X7R333K25VAT          |              |
| C655                | CC 33NF+-10% 25V HDK 0603<br>SMD CERAMIC CAPACITOR  | CC 1051.4697.00         | AVX                        | CM105X7R333K25VAT          |              |
| C656                | CC 680PF+-1% 50V NPO 1206<br>CERAMIC CHIP CAPACITOR | CC 0007.7375.00         | MURATA                     | GRM42-6COG 681F 50PT       |              |

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| <br><b>ROHDE &amp; SCHWARZ</b> | 68       | 07.10.99 | EE IQ-MODULATOR<br><br>IQ-MODULATOR | <b>1084.9800.01 SA</b>                 | 12+                     |                   |

| Comp. No. | Designation                                                                      | Stock No.       | Manufacturer | Designation          | contained in |
|-----------|----------------------------------------------------------------------------------|-----------------|--------------|----------------------|--------------|
| C658      | CC 680PF+-1% 50V NPO 1206<br>CERAMIC CHIP CAPACITOR                              | CC 0007.7375.00 | MURATA       | GRM42-6COG 681F 50PT |              |
| C659      | CC 33NF+-10% 25V HDK 0603                                                        | CC 1051.4697.00 | AVX          | CM105X7R333K25VAT    |              |
| ..662     | SMD CERAMIC CAPACITOR                                                            |                 |              |                      |              |
| C663      | RG 1MO +-1% TK100 0603<br>SMD RESISTOR EIA0603                                   | RG 0009.5370.00 | DRALORIC     | CR 0603              |              |
| C664      | RG 1MO +-1% TK100 0603<br>SMD RESISTOR EIA0603                                   | RG 0009.5370.00 | DRALORIC     | CR 0603              |              |
| C665      | RG 1MO +-1% TK100 0603<br>SMD RESISTOR EIA0603                                   | RG 0009.5370.00 | DRALORIC     | CR 0603              |              |
| C666      | RG 1MO +-1% TK100 0603<br>SMD RESISTOR EIA0603                                   | RG 0009.5370.00 | DRALORIC     | CR 0603              |              |
| C667      | CC 10P+-0,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR                               | CC 0009.4567.00 | MURATA       | GRM39COG***B50ZPT    |              |
| ..669     | CC 10P+-0,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR                               | CC 0009.4567.00 | MURATA       | GRM39COG***B50ZPT    |              |
| C670      | CC 10P+-0,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR                               | CC 0009.4567.00 | MURATA       | GRM39COG***B50ZPT    |              |
| C671      | CC 10P+-0,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR                               | CC 0009.4567.00 | MURATA       | GRM39COG***B50ZPT    |              |
| C672      | CC 10P+-0,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR                               | CC 0009.4567.00 | MURATA       | GRM39COG***B50ZPT    |              |
| C673      | RG 1MO +-1% TK100 0603<br>SMD RESISTOR EIA0603                                   | RG 0009.5370.00 | DRALORIC     | CR 0603              |              |
| C674      | RG 1MO +-1% TK100 0603<br>SMD RESISTOR EIA0603                                   | RG 0009.5370.00 | DRALORIC     | CR 0603              |              |
| C675      | RG 1MO +-1% TK100 0603<br>SMD RESISTOR EIA0603                                   | RG 0009.5370.00 | DRALORIC     | CR 0603              |              |
| C676      | RG 1MO +-1% TK100 0603<br>SMD RESISTOR EIA0603                                   | RG 0009.5370.00 | DRALORIC     | CR 0603              |              |
| C677      | RG 1MO +-1% TK100 0603<br>SMD RESISTOR EIA0603                                   | RG 0009.5370.00 | DRALORIC     | CR 0603              |              |
| C678      | RG 1MO +-1% TK100 0603<br>SMD RESISTOR EIA0603                                   | RG 0009.5370.00 | DRALORIC     | CR 0603              |              |
| C679      | CC 10P+-0,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR                               | CC 0009.4567.00 | MURATA       | GRM39COG***B50ZPT    |              |
| C680      | CC 10P+-0,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR                               | CC 0009.4567.00 | MURATA       | GRM39COG***B50ZPT    |              |
| C681      | CC 10P+-0,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR                               | CC 0009.4567.00 | MURATA       | GRM39COG***B50ZPT    |              |
| C682      | CC 10P+-0,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR                               | CC 0009.4567.00 | MURATA       | GRM39COG***B50ZPT    |              |
| C683      | RG 1MO +-1% TK100 0603<br>SMD RESISTOR EIA0603                                   | RG 0009.5370.00 | DRALORIC     | CR 0603              |              |
| C684      | RG 1MO +-1% TK100 0603<br>SMD RESISTOR EIA0603                                   | RG 0009.5370.00 | DRALORIC     | CR 0603              |              |
| C685      | CC 22PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                 | CC 0009.4609.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C686      | CC 22PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                 | CC 0009.4609.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C687      | CC 22PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                 | CC 0009.4609.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C688      | CC 22PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                 | CC 0009.4609.00 | MURATA       | GRM39COG***F50ZPT    |              |
| C689      | CC 47PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                 | CC 0009.4644.00 | MURATA       | GRM39COG***F50ZPT    |              |
| ..692     | CC 1,2NF+-1% 50V NPO 1206<br>CERAMIC CHIP CAPACITOR                              | CC 0007.7400.00 | AVX          | 1206 5A 122FAT00J    |              |
| ..698     | CC 3,3PF 0,1PF 50V NPO 06<br>SMD-CERAMIC-CAPACITOR                               | CC 0009.8285.00 | MURATA       | GRM39COG***B50ZPT    |              |
| C699      | CC 3,3PF 0,1PF 50V NPO 06<br>SMD-CERAMIC-CAPACITOR                               | CC 0009.8285.00 | MURATA       | GRM39COG***B50ZPT    |              |
| C700      | CC 4,7PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR                               | CC 0009.4538.00 | MURATA       | GRM39COG***B50ZPT    |              |
| C701      | CC 2,2PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR                               | CC 0009.4467.00 | MURATA       | GRM39COG***B50ZPT    |              |
| C702      | CC 2,2PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR                               |                 |              |                      |              |
| C703      | NICHT BESTUECKT/NOT FITTED<br>CC 6,8NF+-1% 50V NPO 1210<br>SMD-CERAMIC CAPACITOR | 0010.2993.00    | MURATA       | GRM42-2COG682F50PT   |              |
| C704      | CC 6,8NF+-1% 50V NPO 1210<br>SMD-CERAMIC CAPACITOR                               | 0010.2993.00    | MURATA       | GRM42-2COG682F50PT   |              |
| C705      | CC 220PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                                | CC 0009.4721.00 | MURATA       | GRM39COG***F50ZPT    |              |
| ..707     | CC 100NF+-10%16V HDK 0603<br>CERAMIC CHIP CAPACITOR                              | CC 1097.6292.00 | AVX          | CM105 X7R104K16AT    |              |
| C708      | CC 2,2PFO,1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR                               | CC 0009.4467.00 | MURATA       | GRM39COG***B50ZPT    |              |
| C709      | CE 220UF 20% 10V SMD<br>TANTALUM SMD CAPACITOR                                   | 1081.1873.00    | SPRAGUE      | 595D227X0010R2T      |              |

|                                                                                                                   |     |      |    |               |                                        |                         |                   |
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| <br><b>ROHDE &amp; SCHWARZ</b> |     |      | 68 | 07.10.99      | EE IQ-MODULATOR<br><br>IQ-MODULATOR    | <b>1084.9800.01 SA</b>  | 13+               |

| Kennz.<br>Comp. No. | Benennung<br>Designation                                                   | Sachnummer<br>Stock No. | Hersteller<br>Manufacturer | Bezeichnung<br>Designation | contained in |
|---------------------|----------------------------------------------------------------------------|-------------------------|----------------------------|----------------------------|--------------|
| C711                | CC 2,2PFO, 1PF50V NPO 0603<br>SMD-CERAMIC-CAPACITOR                        | CC 0009.4467.00         | MURATA                     | GRM39COG***B50ZPT          |              |
| C712                | CC 100PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                          | CC 0009.4680.00         | MURATA                     | GRM39COG***F50ZPT          |              |
| ..715<br>C800       | CE 1UF +-10% 25V 3528<br>TANTALUM CHIP CAPACITOR                           | CE 0007.7217.00         | SPRAGUE                    | 293D 105 X9 025 B2T        |              |
| C850                | CC 39PF+-1% 50VNPO 0603<br>SMD-CERAMIC-CAPACITOR                           | CC 0009.9730.00         | MURATA                     | GRM39COG***F50ZPT          |              |
| D1                  | BO AD835AR 250MHZ 4QMULTI<br>4-QUADRANT MULTIPLIER                         | 1085.1632.00            | ANALOG_DEV                 | AD835AR                    |              |
| D2                  | BO AD835AR 250MHZ 4QMULTI<br>4-QUADRANT MULTIPLIER                         | 1085.1632.00            | ANALOG_DEV                 | AD835AR                    |              |
| D3                  | BL AD7008 DDS MODULATOR<br>IC MODULATOR                                    | BL 1078.3410.00         | ANALOG_DEV                 | AD7008JP50                 |              |
| D4                  | BL PC74HCT125T 4XBUFF. 3S<br>QUAD LINE DRIVER                              | BL 0007.5395.00         | PHILIPS_SE (PC)            | 74HCT125(D/T)              |              |
| D5                  | BS DG419DY 1XUM ANALOGSCH<br>ANALOG SWITCH                                 | 0746.0322.00            | SILICONIX                  | DG419DY                    |              |
| D6                  | BL PC74HC86T 4X2IN EXOR<br>QUAD 2INPUT EXOOR GATE                          | BL 0007.3511.00         | PHILIPS_SE (PC)            | 74HC86(D/T)                |              |
| D7                  | BL PC74HC86T 4X2IN EXOR<br>QUAD 2INPUT EXOOR GATE                          | BL 0007.3511.00         | PHILIPS_SE (PC)            | 74HC86(D/T)                |              |
| D8                  | BS DG419DY 1XUM ANALOGSCH<br>ANALOG SWITCH                                 | 0746.0322.00            | SILICONIX                  | DG419DY                    |              |
| D9                  | BS DG413DY 2A2R ANALOGSCH<br>QUAD ANALOG CMOS.SWITCH                       | 1004.7058.00            | SILICONIX                  | DG413DY                    |              |
| ..15<br>D16         | BS DG408DY 8CH.ANAL.MUX<br>IC 8 CH ANALOG MULTIPLEX                        | 1036.4460.00            | SILICONIX                  | DG408DY                    |              |
| D17                 | BS DG408DY 8CH.ANAL.MUX<br>IC 8 CH ANALOG MULTIPLEX                        | 1036.4460.00            | SILICONIX                  | DG408DY                    |              |
| D18                 | BL PC74HC4094T 8ST.BUSREG<br>8-STAGE SHIFT&STORE REG.                      | 0804.0977.00            | PHILIPS_SE (PC)            | 74HC4094(D/T)              |              |
| D19                 | BL PC74HCT08T 4X2IN ANDG<br>AND GATE                                       | BL 0007.6179.00         | PHILIPS_SE (PC)            | 74HCT08(D/T)               |              |
| D20                 | BL PC74HC4094T 8ST.BUSREG<br>8-STAGE SHIFT&STORE REG.                      | 0804.0977.00            | PHILIPS_SE (PC)            | 74HC4094(D/T)              |              |
| ..26<br>D27         | BM AT-339 GAAS VAR.DAEMPF<br>IC DIGITAL ATTENUATOR<br>NUR VAR/ONLY MOD: 02 | 1085.1555.00            | MACOM                      | AT-339 PIN                 |              |
| D27                 | BM AT-339 GAAS VAR.DAEMPF<br>IC DIGITAL ATTENUATOR<br>NUR VAR/ONLY MOD: 04 | 1085.1555.00            | MACOM                      | AT-339 PIN                 |              |
| D27                 | BM AT-339 GAAS VAR.DAEMPF<br>IC DIGITAL ATTENUATOR<br>NUR VAR/ONLY MOD: 06 | 1085.1555.00            | MACOM                      | AT-339 PIN                 |              |
| D27                 | BM AT-339 GAAS VAR.DAEMPF<br>IC DIGITAL ATTENUATOR<br>NUR VAR/ONLY MOD: 08 | 1085.1555.00            | MACOM                      | AT-339 PIN                 |              |
| D28                 | BM SW-339 GAAS SPDTSWITCH<br>GAAS RF-SWITCH                                | 1085.2074.00            | MACOM                      | SW339 PIN                  |              |
| D29                 | BL PC74HC4051T 8CH.AN.MUX<br>8CHANNEL ANAL.MULTIPLEXER                     | 0007.3592.00            | PHILIPS_SE (PC)            | 74HC4051(D/T)              |              |
| ..31<br>D32         | BL PC74HC08T 4X2IN.ANDG<br>QUAD 2INPUT AND GATE                            | BL 0007.3486.00         | PHILIPS_SE (PC)            | 74HC08(D/T)                |              |
| D33                 | BL MCK12140D PLL-PHASEDET<br>PHASE FREQUENZ DETECTOR                       | BL 1052.6235.00         | MOTOROLA                   | (MC)K(M)140(D)             |              |
| D34                 | BL PC74HCT132T 4X2IN SCHM<br>NAND SCHMITT TRIGGER                          | BL 0007.6340.00         | PHILIPS                    | (PC)74HCT132(D/T)          |              |
| D35                 | BL PC74HCT132T 4X2IN SCHM<br>NAND SCHMITT TRIGGER                          | BL 0007.6340.00         | PHILIPS                    | (PC)74HCT132(D/T)          |              |
| D36                 | BL PC74HCT86T 4X2IN.EXOR<br>EXOR GATE                                      | 0007.6291.00            | PHILIPS_SE (PC)            | 74HCT86(D/T)               |              |
| D37                 | BM SW-339 GAAS SPDTSWITCH<br>GAAS RF-SWITCH                                | 1085.2074.00            | MACOM                      | SW339 PIN                  |              |
| D38                 | BL PC74HC4094T 8ST.BUSREG<br>8-STAGE SHIFT&STORE REG.                      | 0804.0977.00            | PHILIPS_SE (PC)            | 74HC4094(D/T)              |              |
| D39                 | BL PC74HC123T 2XMULTIVIB<br>DUAL MULTIVIBRATOR                             | BL 0007.3528.00         | PHILIPS_SE (PC)            | 74HC123(D/T)               |              |
| D40                 | BS MPC102 2X2T01 VIDEOMUX<br>IC ANALOG MULTIPLEXER                         | 1085.1626.00            | BURR_BROWN                 | MPC102AU                   |              |
| D41                 | BJ DAC8143FS 1X12B-DAC<br>12B SERIAL D/A-CONVERTER                         | 1012.9510.00            | PMI                        | DAC8143FS                  |              |
| ..43<br>D44         | BL UPB585G 2.5G 4:1 PRESC<br>IC PRESCALER 2.5GHZ                           | BL 1002.5029.10         | NEC                        | (UPB)585(G)-(E1)           |              |
| D45                 | BJ DAC8143FS 1X12B-DAC<br>12B SERIAL D/A-CONVERTER                         | 1012.9510.00            | PMI                        | DAC8143FS                  |              |
| ..48                |                                                                            |                         |                            |                            |              |

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| <br><b>ROHDE &amp; SCHWARZ</b> | 68       | 07.10.99 | EE IQ-MODULATOR<br>IQ-MODULATOR | <b>1084.9800.01 SA</b>                | 14+                     |                   |

| Comp. No. | Designation                                         | Stock No.       | Manufacturer | Designation          | contained in |
|-----------|-----------------------------------------------------|-----------------|--------------|----------------------|--------------|
| D49       | BL PC74HCT86T 4X2IN.EXOR EXOR GATE                  | 0007.6291.00    | PHILIPS_SE   | (PC)74HCT86(D/T)     |              |
| D50       | BM SW-339 GAAS SPDTSWITCH GAAS RF-SWITCH            | 1085.2074.00    | MACOM        | SW339 PIN            |              |
| D51       | BM SW-339 GAAS SPDTSWITCH GAAS RF-SWITCH            | 1085.2074.00    | MACOM        | SW339 PIN            |              |
| D52       | BG TH3032.1C SERBUSD ASIC IC GATE ARRAY             | BG 0008.6143.00 | THESYS       | TH3032.1C            |              |
| D53       | BS DG419DY 1XUM ANALOGSCH ANALOG SWITCH             | 0746.0322.00    | SILICONIX    | DG419DY              |              |
| D54       | BM SW-339 GAAS SPDTSWITCH GAAS RF-SWITCH            | 1085.2074.00    | MACOM        | SW339 PIN            |              |
| D55       | BC X24164S8I-2.7 IC MEMORY                          | BC 0048.4258.00 | XICOR        | X24164S G            |              |
| D56       | BL PC74HCT125T 4XBUFF. 3S QUAD LINE DRIVER          | BL 0007.5395.00 | PHILIPS_SE   | (PC)74HCT125(D/T)    |              |
| D57       | BL PC74HC86T 4X2IN EXOR QUAD 2INPUT EXOR GATE       | BL 0007.3511.00 | PHILIPS_SE   | (PC)74HC86(D/T)      |              |
| D58       | BL PC74HC4094T 8ST.BUSREG 8-STAGE SHIFT&STORE REG.  | 0804.0977.00    | PHILIPS_SE   | (PC)74HC4094(D/T)    |              |
| D59       | BL PC74HC4051T 8CH.AN.MUX 8CHANNEL ANAL.MULTIPLEXER | 0007.3592.00    | PHILIPS_SE   | (PC)74HC4051(D/T)    |              |
| D61       | BJ LTC1446L 2X12-DAC 12B SERIAL D/A-CONVERTER       | 1085.2200.00    | LINEAR_TEC   | (LTC)1446LI(S8)      |              |
| G1        | EO 50,000MHZ QUARZOSZ QUARTZ CRYSTAL OSCILLATOR     | 1029.2995.00    | SEIKO        | SG-615PH-C           |              |
| L1        | LD SMD-DR.Z=55 OHM 300MHZ CHOKE                     | 1085.1684.00    | PHILIPS      | BDS 3/3/4.6-4S2      |              |
| L2        | LD 22NH 10% 0,60A 1210 RF CHOKE                     | 1002.4897.00    | SIEMENS      | B82422-A3220-J(K)100 |              |
| L3        | LD 1UH 10% 0,38A 1210 RF CHOKE                      | LD 6006.0130.00 | SIEMENS      | B82422-A1102-J(K)100 |              |
| L4        | LD 47NH +-10% 0,3A 0805 SMD-MULTILAYER INDUCTOR     | LD 0009.6824.00 | TOKO         | LL2012-FH47NK(J)     |              |
| L5        | LD 47NH +-10% 0,3A 0805 SMD-MULTILAYER INDUCTOR     | LD 0009.6824.00 | TOKO         | LL2012-FH47NK(J)     |              |
| L6        | LD 1UH 10% 0,38A 1210 RF CHOKE                      | LD 6006.0130.00 | SIEMENS      | B82422-A1102-J(K)100 |              |
| L7        | LD 1UH 10% 0,38A 1210 RF CHOKE                      | LD 6006.0130.00 | SIEMENS      | B82422-A1102-J(K)100 |              |
| L8        | LD 3,3NH+-10% 0,3A 0603 SMD-MULTILAYER INDUCTOR     | LD 0009.6630.00 | TOKO         | LL1608-FH...K(J)     |              |
| L9        | LD 1UH 10% 0,38A 1210 RF CHOKE                      | LD 6006.0130.00 | SIEMENS      | B82422-A1102-J(K)100 |              |
| ..11      | LD 33NH +-10% 0,3A 0603 SMD-MULTILAYER INDUCTOR     | LD 0009.6753.00 | TOKO         | LL1608-FH...K(J)     |              |
| L12       | LD 1UH 10% 0,38A 1210 RF CHOKE                      | LD 6006.0130.00 | SIEMENS      | B82422-A1102-J(K)100 |              |
| L13       | LD 47ONH 10% 0,15A 1210 RF CHOKE                    | LD 0007.9926.00 | SIEMENS      | B82422-A3471-J(K)100 |              |
| L14       | LD 1UH 10% 0,38A 1210 RF CHOKE                      | LD 6006.0130.00 | SIEMENS      | B82422-A1102-J(K)100 |              |
| L15       | LD 1UH 10% 0,38A 1210 RF CHOKE                      | LD 6006.0130.00 | SIEMENS      | B82422-A1102-J(K)100 |              |
| L16       | LD 15NH+-10% 0,3A 0603 SMD-MULTILAYER INDUCTOR      | LD 0009.6718.00 | TOKO         | LL1608-FH...K(J)     |              |
| L18       | LD 1UH 10% 0,38A 1210 RF CHOKE                      | LD 6006.0130.00 | SIEMENS      | B82422-A1102-J(K)100 |              |
| ..28      | LD 15NH+-10% 0,3A 0603 SMD-MULTILAYER INDUCTOR      | LD 0009.6718.00 | TOKO         | LL1608-FH...K(J)     |              |
| L29       | LD 10UH 10% 0,18A 1210 RF CHOKE                     | LD 0007.9255.00 | SIEMENS      | B82422-A1103-J(K)100 |              |
| L30       | LD 10UH 10% 0,18A 1210 RF CHOKE                     | LD 0007.9255.00 | SIEMENS      | B82422-A1103-J(K)100 |              |
| L31       | LD 1UH 10% 0,38A 1210 RF CHOKE                      | LD 6006.0130.00 | SIEMENS      | B82422-A1102-J(K)100 |              |
| L32       | LD 39NH +-10% 0,3A 0603 SMD-MULTILAYER INDUCTOR     | LD 0009.6760.00 | TOKO         | LL1608-FH...K(J)     |              |
| L33       | LD 1UH 10% 0,38A 1210 RF CHOKE                      | LD 6006.0130.00 | SIEMENS      | B82422-A1102-J(K)100 |              |
| L34       | LD 10UH 10% 0,18A 1210 RF CHOKE                     | LD 0007.9255.00 | SIEMENS      | B82422-A1103-J(K)100 |              |
| L35       | LD 1UH 10% 0,38A 1210 RF CHOKE                      | LD 6006.0130.00 | SIEMENS      | B82422-A1102-J(K)100 |              |
| L36       | LD 22NH 10% 0,3A 0603 SMD-MULTILAYER INDUCTOR       | LD 0009.6730.00 | TOKO         | LL1608-FH...K(J)     |              |
| L37       |                                                     |                 |              |                      |              |

Für diese Unterlage behalten wir uns alle Rechte vor.

| 1GPK                                                                                | 887 3PLU | Äi | Datum<br>Data | Schaltteilliste für<br>Parts list for | Sachnummer<br>Stock No. | Blatt-Nr.<br>Page |
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|  |          | 68 | 07.10.99      | EE IQ-MODULATOR<br>IQ-MODULATOR       | <b>1084.9800.01 SA</b>  | 15+               |

| Kennz.<br>Comp. No. | Benennung<br>Designation                           | Stock No.       | Manufacturer | Designation          | contained in |
|---------------------|----------------------------------------------------|-----------------|--------------|----------------------|--------------|
| L38                 | LD 39NH +-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR | LD 0009.6760.00 | TOKO         | LL1608-FH...K(J)     |              |
| L39                 | LD 1UH 10% 0,38A 1210<br>RF CHOKE                  | LD 6006.0130.00 | SIEMENS      | B82422-A1102-J(K)100 |              |
| L40                 | LD 1UH 10% 0,38A 1210<br>RF CHOKE                  | LD 6006.0130.00 | SIEMENS      | B82422-A1102-J(K)100 |              |
| L41                 | LD 39NH +-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR | LD 0009.6760.00 | TOKO         | LL1608-FH...K(J)     |              |
| ..47                | LD 220NH 10% 0,28A 1210<br>RF CHOKE                | LD 0520.7911.00 | SIEMENS      | B82422-A3221-J(K)100 |              |
| L48                 | LD 22NH 10% 0,60A 1210<br>RF CHOKE                 | 1002.4897.00    | SIEMENS      | B82422-A3220-J(K)100 |              |
| L49                 | LD 15NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR  | LD 0009.6718.00 | TOKO         | LL1608-FH...K(J)     |              |
| ..51                | LD 22NH 10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR   | LD 0009.6730.00 | TOKO         | LL1608-FH...K(J)     |              |
| L52                 | LD 22NH 10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR   | LD 0009.6730.00 | TOKO         | LL1608-FH...K(J)     |              |
| L53                 | LD 8,2NH+-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR | LD 0009.6682.00 | TOKO         | LL1608-FH...K(J)     |              |
| L54                 | LD 22UH 10% 0,14A 1210<br>RF CHOKE                 | LD 0520.7886.00 | SIEMENS      | B82422-A1223-J(K)100 |              |
| L55                 | LD 22UH 10% 0,14A 1210<br>RF CHOKE                 | LD 0520.7886.00 | SIEMENS      | B82422-A1223-J(K)100 |              |
| L56                 | LD 39NH +-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR | LD 0009.6760.00 | TOKO         | LL1608-FH...K(J)     |              |
| L57                 | LD 39NH +-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR | LD 0009.6760.00 | TOKO         | LL1608-FH...K(J)     |              |
| L58                 | LD 33NH +-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR | LD 0009.6753.00 | TOKO         | LL1608-FH...K(J)     |              |
| L59                 | LD 22UH 10% 0,14A 1210<br>RF CHOKE                 | LD 0520.7886.00 | SIEMENS      | B82422-A1223-J(K)100 |              |
| L60                 | LD 10UH 10% 0,18A 1210<br>RF CHOKE                 | LD 0007.9255.00 | SIEMENS      | B82422-A1103-J(K)100 |              |
| L61                 | LD 10UH 10% 0,18A 1210<br>RF CHOKE                 | LD 0007.9255.00 | SIEMENS      | B82422-A1103-J(K)100 |              |
| L62                 | LD 47NH 10% 0,51A 1210<br>RF CHOKE                 | 0008.5976.00    | SIEMENS      | B82422-A3470-J(K)100 |              |
| L63                 | LD 47NH 10% 0,51A 1210<br>RF CHOKE                 | 0008.5976.00    | SIEMENS      | B82422-A3470-J(K)100 |              |
| L64                 | LD 22UH 10% 0,14A 1210<br>RF CHOKE                 | LD 0520.7886.00 | SIEMENS      | B82422-A1223-J(K)100 |              |
| L65                 | LD 33NH +-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR | LD 0009.6753.00 | TOKO         | LL1608-FH...K(J)     |              |
| L66                 | LD 470NH 10% 0,15A 1210<br>RF CHOKE                | LD 0007.9926.00 | SIEMENS      | B82422-A3471-J(K)100 |              |
| ..68                | LD 470NH 10% 0,15A 1210<br>RF CHOKE                | LD 0007.9926.00 | SIEMENS      | B82422-A3471-J(K)100 |              |
| L69                 | LD 470NH 10% 0,15A 1210<br>RF CHOKE                | LD 0007.9926.00 | SIEMENS      | B82422-A3471-J(K)100 |              |
| ..73                | LD 33NH +-10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR | LD 0009.6753.00 | TOKO         | LL1608-FH...K(J)     |              |
| L74                 | LD 10UH 10% 0,18A 1210<br>RF CHOKE                 | LD 0007.9255.00 | SIEMENS      | B82422-A1103-J(K)100 |              |
| L75                 | LD 2,2UH 10% 0,27A 1210<br>RF CHOKE                | LD 0520.7870.00 | SIEMENS      | B82422-A1222-J(K)100 |              |
| L76                 | LD 15UH 10% 0,16A 1210<br>RF CHOKE                 | LD 0009.5192.00 | SIEMENS      | B82422-A1153-J(K)100 |              |
| L77                 | LD SP-DROSSEL 15UH 2,45A<br>CHOKE                  | 1081.0283.00    | SUMIDA       | CDR125-150           |              |
| L78                 | LD 150NH 1%OR31 0,7A 1206<br>CERAMIC CHIP COIL     | 0048.4635.00    | COILCRAFT    | 1206CS-151XFBC       |              |
| L79                 | LD 470NH 10% 0,15A 1210<br>RF CHOKE                | LD 0007.9926.00 | SIEMENS      | B82422-A3471-J(K)100 |              |
| L80                 | LD 47UH 10% 0,08A 1210<br>RF CHOKE                 | LD 0008.1693.00 | SIEMENS      | B82422-A1473-J(K)100 |              |
| L81                 | LD 47NH +-10% 0,3A 0805<br>SMD-MULTILAYER INDUCTOR | LD 0009.6824.00 | TOKO         | LL2012-FH47NK(J)     |              |
| L82                 | LD 47NH +-10% 0,3A 0805<br>SMD-MULTILAYER INDUCTOR | LD 0009.6824.00 | TOKO         | LL2012-FH47NK(J)     |              |
| L83                 | LD 470NH 10% 0,15A 1210<br>RF CHOKE                | LD 0007.9926.00 | SIEMENS      | B82422-A3471-J(K)100 |              |
| L84                 | LD 470NH 10% 0,15A 1210<br>RF CHOKE                | LD 0007.9926.00 | SIEMENS      | B82422-A3471-J(K)100 |              |
| L85                 | LD 470NH 10% 0,15A 1210<br>RF CHOKE                | LD 0007.9926.00 | SIEMENS      | B82422-A3471-J(K)100 |              |
| ..89                | LD 470NH 10% 0,15A 1210<br>RF CHOKE                | LD 0007.9926.00 | SIEMENS      | B82422-A3471-J(K)100 |              |
| L90                 | LD 470NH 10% 0,15A 1210<br>RF CHOKE                | LD 0007.9926.00 | SIEMENS      | B82422-A3471-J(K)100 |              |
| L91                 | LD 470NH 10% 0,15A 1210<br>RF CHOKE                | LD 0007.9926.00 | SIEMENS      | B82422-A3471-J(K)100 |              |
| L92                 | LD 470NH 10% 0,15A 1210<br>RF CHOKE                | LD 0007.9926.00 | SIEMENS      | B82422-A3471-J(K)100 |              |
| ..96                | XX ENTHALTEN IN<br>INCLUDED IN                     |                 |              |                      |              |
| L97                 |                                                    |                 |              |                      |              |

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| Comp. No. | Designation                                     | Stock No.       | Manufacturer | Designation          | contained in |
|-----------|-------------------------------------------------|-----------------|--------------|----------------------|--------------|
| L98       | XX ENTHALTEN IN INCLUDED IN                     |                 |              |                      |              |
| L99       | LD 22NH 10% 0,3A 0603 SMD-MULTILAYER INDUCTOR   | LD 0009.6730.00 | TOKO         | LL1608-FH...K(J)     |              |
| L100      | XX ENTHALTEN IN INCLUDED IN                     |                 |              |                      |              |
| L101      | XX ENTHALTEN IN INCLUDED IN                     |                 |              |                      |              |
| L102      | XX ENTHALTEN IN INCLUDED IN                     |                 |              |                      |              |
| L103      | XX ENTHALTEN IN INCLUDED IN                     |                 |              |                      |              |
| L104      | XX ENTHALTEN IN INCLUDED IN                     |                 |              |                      |              |
| L105      | XX ENTHALTEN IN INCLUDED IN                     |                 |              |                      |              |
| L106      | XX ENTHALTEN IN INCLUDED IN                     |                 |              |                      |              |
| L107      | XX ENTHALTEN IN INCLUDED IN                     |                 |              |                      |              |
| L108      | XX ENTHALTEN IN INCLUDED IN                     |                 |              |                      |              |
| L109      | XX ENTHALTEN IN INCLUDED IN                     |                 |              |                      |              |
| L110      | XX ENTHALTEN IN INCLUDED IN                     |                 |              |                      |              |
| L111      | RG 0-OHM WIDERSTAND 0603 SMD RESISTOR EIA0603   | 0009.9369.00    | PHILIPS_CD   | RC21 0 OHM           |              |
| L112      | LD 27NH 10% 0,3A 0603 SMD-MULTILAYER INDUCTOR   | LD 0009.6747.00 | TOKO         | LL1608-FH...K(J)     |              |
| L113      | LD 33NH +-10% 0,3A 0603 SMD-MULTILAYER INDUCTOR | LD 0009.6753.00 | TOKO         | LL1608-FH...K(J)     |              |
| L114      | XX ENTHALTEN IN INCLUDED IN                     |                 |              |                      |              |
| L115      | XX ENTHALTEN IN INCLUDED IN                     |                 |              |                      |              |
| L116      | XX ENTHALTEN IN INCLUDED IN                     |                 |              |                      |              |
| L117      | LD 27NH 10% 0,3A 0603 SMD-MULTILAYER INDUCTOR   | LD 0009.6747.00 | TOKO         | LL1608-FH...K(J)     |              |
| L118      | LD 100NH 1%OR26 0.8A 1206 CERAMIC CHIP COIL     | 0048.4612.00    | COILCRAFT    | 1206CS-101XFBC       |              |
| L119      | LD 10UH 10% 0,18A 1210 RF CHOKE                 | LD 0007.9255.00 | SIEMENS      | B82422-A1103-J(K)100 |              |
| L122      | LD 100UH 10% 0,06A 1210 RF CHOKE                | LD 0007.9261.00 | SIEMENS      | B82422-A1104-J(K)100 |              |
| L123      | LD 33NH +-10% 0,3A 0603 SMD-MULTILAYER INDUCTOR | LD 0009.6753.00 | TOKO         | LL1608-FH...K(J)     |              |
| L124      | LD 33NH +-10% 0,3A 0603 SMD-MULTILAYER INDUCTOR | LD 0009.6753.00 | TOKO         | LL1608-FH...K(J)     |              |
| L125      | LD 10UH 10% 0,18A 1210 RF CHOKE                 | LD 0007.9255.00 | SIEMENS      | B82422-A1103-J(K)100 |              |
| L126      | LD SMD-DR.Z=8500HM 100MHZ CHOKE                 | 1085.1661.00    | PHILIPS      | WBS2.5-5/4.8/10-4B1  |              |
| L134      | XX ENTHALTEN IN INCLUDED IN                     |                 |              |                      |              |
| L135      | LD 10UH 10% 0,18A 1210 RF CHOKE                 | LD 0007.9255.00 | SIEMENS      | B82422-A1103-J(K)100 |              |
| L136      | LD 10UH 10% 0,18A 1210 RF CHOKE                 | LD 0007.9255.00 | SIEMENS      | B82422-A1103-J(K)100 |              |
| L137      | LD 1UH 10% 0,38A 1210 RF CHOKE                  | LD 6006.0130.00 | SIEMENS      | B82422-A1102-J(K)100 |              |
| L138      | LD 100NH 1%OR26 0.8A 1206 CERAMIC CHIP COIL     | 0048.4612.00    | COILCRAFT    | 1206CS-101XFBC       |              |
| L139      | LD 1UH 10% 0,38A 1210 RF CHOKE                  | LD 6006.0130.00 | SIEMENS      | B82422-A1102-J(K)100 |              |
| L140      | LD 100NH 1%OR26 0.8A 1206 CERAMIC CHIP COIL     | 0048.4612.00    | COILCRAFT    | 1206CS-101XFBC       |              |
| L141      | LD 1UH 10% 0,38A 1210 RF CHOKE                  | LD 6006.0130.00 | SIEMENS      | B82422-A1102-J(K)100 |              |
| L142      | LD 1UH 10% 0,38A 1210 RF CHOKE                  | LD 6006.0130.00 | SIEMENS      | B82422-A1102-J(K)100 |              |
| L143      | LD 1UH 10% 0,38A 1210 RF CHOKE                  | LD 6006.0130.00 | SIEMENS      | B82422-A1102-J(K)100 |              |
| L144      | LD 2,2UH 10% 0,27A 1210 RF CHOKE                | LD 0520.7870.00 | SIEMENS      | B82422-A1222-J(K)100 |              |
| L145      | LD 10UH 10% 0,18A 1210 RF CHOKE                 | LD 0007.9255.00 | SIEMENS      | B82422-A1103-J(K)100 |              |
| L146      | LD 10UH 10% 0,18A 1210 RF CHOKE                 |                 |              |                      |              |

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| <br><b>ROHDE &amp; SCHWARZ</b> | 68       | 07. 10. 99 | EE IQ-MODULATOR<br>IQ-MODULATOR | <b>1084.9800.01 SA</b>                | 17+                     |                   |

| Kennz.<br>Comp. No. | Benennung<br>Designation       | Stock No.       | Manufacturer | Designation          | contained in |
|---------------------|--------------------------------|-----------------|--------------|----------------------|--------------|
| L147                | LD 10UH 10% 0,18A 1210         | LD 0007.9255.00 | SIEMENS      | B82422-A1103-J(K)100 |              |
| L148                | RF CHOKE                       |                 |              |                      |              |
| L149                | XX ENTHALTEN IN<br>INCLUDED IN |                 |              |                      |              |
| L150                | XX ENTHALTEN IN<br>INCLUDED IN |                 |              |                      |              |
| L151                | XX ENTHALTEN IN<br>INCLUDED IN |                 |              |                      |              |
| L152                | XX ENTHALTEN IN<br>INCLUDED IN |                 |              |                      |              |
| L153                | XX ENTHALTEN IN<br>INCLUDED IN |                 |              |                      |              |
| L154                | XX ENTHALTEN IN<br>INCLUDED IN |                 |              |                      |              |
| L155                | XX ENTHALTEN IN<br>INCLUDED IN |                 |              |                      |              |
| L156                | LD 220NH 10% 0,28A 1210        | LD 0520.7911.00 | SIEMENS      | B82422-A3221-J(K)100 |              |
| ..161               | RF CHOKE                       |                 |              |                      |              |
| L162                | LD 10UH 10% 0,18A 1210         | LD 0007.9255.00 | SIEMENS      | B82422-A1103-J(K)100 |              |
|                     | RF CHOKE                       |                 |              |                      |              |
| L163                | LD 100UH 10% 0,06A 1210        | LD 0007.9261.00 | SIEMENS      | B82422-A1104-J(K)100 |              |
|                     | RF CHOKE                       |                 |              |                      |              |
| L164                | LD 2,2UH 10% 0,27A 1210        | LD 0520.7870.00 | SIEMENS      | B82422-A1222-J(K)100 |              |
|                     | RF CHOKE                       |                 |              |                      |              |
| L165                | LD 10UH 10% 0,18A 1210         | LD 0007.9255.00 | SIEMENS      | B82422-A1103-J(K)100 |              |
|                     | RF CHOKE                       |                 |              |                      |              |
| L166                | LD 10UH 10% 0,18A 1210         | LD 0007.9255.00 | SIEMENS      | B82422-A1103-J(K)100 |              |
|                     | RF CHOKE                       |                 |              |                      |              |
| L167                | LD 100UH 10% 0,06A 1210        | LD 0007.9261.00 | SIEMENS      | B82422-A1104-J(K)100 |              |
|                     | RF CHOKE                       |                 |              |                      |              |
| L168                | XX ENTHALTEN IN<br>INCLUDED IN |                 |              |                      |              |
| L169                | LD 10UH 10% 0,18A 1210         | LD 0007.9255.00 | SIEMENS      | B82422-A1103-J(K)100 |              |
|                     | RF CHOKE                       |                 |              |                      |              |
| L170                | LD SP-DROSSEL 15UH 2,45A       | 1081.0283.00    | SUMIDA       | CDR125-150           |              |
|                     | CHOKE                          |                 |              |                      |              |
| L171                | LD 10UH 10% 690MA 2220         | 1106.8252.00    | SIEMENS      | B82442A1103K         |              |
|                     | RF CHOKE                       |                 |              |                      |              |
| L172                | LD SP-DROSSEL 15UH 2,45A       | 1081.0283.00    | SUMIDA       | CDR125-150           |              |
|                     | CHOKE                          |                 |              |                      |              |
| L173                | LD 1UH 10% 0,38A 1210          | LD 6006.0130.00 | SIEMENS      | B82422-A1102-J(K)100 |              |
|                     | RF CHOKE                       |                 |              |                      |              |
| L174                | LD 220NH 10% 0,28A 1210        | LD 0520.7911.00 | SIEMENS      | B82422-A3221-J(K)100 |              |
|                     | RF CHOKE                       |                 |              |                      |              |
| L175                | LD 10UH 10% 0,18A 1210         | LD 0007.9255.00 | SIEMENS      | B82422-A1103-J(K)100 |              |
|                     | RF CHOKE                       |                 |              |                      |              |
| L176                | LD 10UH 10% 0,18A 1210         | LD 0007.9255.00 | SIEMENS      | B82422-A1103-J(K)100 |              |
|                     | RF CHOKE                       |                 |              |                      |              |
| L177                | LD 1UH 10% 0,38A 1210          | LD 6006.0130.00 | SIEMENS      | B82422-A1102-J(K)100 |              |
|                     | RF CHOKE                       |                 |              |                      |              |
| L178                | LD 100NH 1%OR26 0.8A 1206      | 0048.4612.00    | COILCRAFT    | 1206CS-101XFBC       |              |
|                     | CERAMIC CHIP COIL              |                 |              |                      |              |
| L179                | LD 1UH 10% 0,38A 1210          | LD 6006.0130.00 | SIEMENS      | B82422-A1102-J(K)100 |              |
| ..182               | RF CHOKE                       |                 |              |                      |              |
| L183                | LD 4,7UH 3% 0,31A 1812         | 0048.6250.00    | DALE         | IMC-1812-4.7UH-3%    |              |
|                     | SMD INDUCTOR                   |                 |              |                      |              |
| L184                | LD 10UH 10% 0,18A 1210         | LD 0007.9255.00 | SIEMENS      | B82422-A1103-J(K)100 |              |
|                     | RF CHOKE                       |                 |              |                      |              |
| L185                | LD 4,7UH 3% 0,31A 1812         | 0048.6250.00    | DALE         | IMC-1812-4.7UH-3%    |              |
|                     | SMD INDUCTOR                   |                 |              |                      |              |
| L186                | LD 2,2UH 3% 0,38A 1812         | 0048.6221.00    | DALE         | IMC-1812-2.2UH-3%    |              |
|                     | SMD INDUCTOR                   |                 |              |                      |              |
| L187                | LD 2,2UH 3% 0,38A 1812         | 0048.6221.00    | DALE         | IMC-1812-2.2UH-3%    |              |
|                     | SMD INDUCTOR                   |                 |              |                      |              |
| L188                | LD 15UH 3% 0,06A 1812          | 0048.6544.00    | DALE         | ISC-1812-15UH-3%     |              |
|                     | SMD INDUCTOR                   |                 |              |                      |              |
| L189                | XX ENTHALTEN IN<br>INCLUDED IN |                 |              |                      |              |
| L190                | XX ENTHALTEN IN<br>INCLUDED IN |                 |              |                      |              |
| L191                | XX ENTHALTEN IN<br>INCLUDED IN |                 |              |                      |              |
| L192                | XX ENTHALTEN IN<br>INCLUDED IN |                 |              |                      |              |
| L193                | XX ENTHALTEN IN<br>INCLUDED IN |                 |              |                      |              |

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| Comp. No. | Designation                                            | Stock No.       | Manufacturer | Designation          | Continued in |
|-----------|--------------------------------------------------------|-----------------|--------------|----------------------|--------------|
| L194      | XX ENTHALTEN IN<br>INCLUDED IN                         |                 |              |                      |              |
| L195      | LD 10UH 10% 0,18A 1210<br>RF CHOKE                     | LD 0007.9255.00 | SIEMENS      | B82422-A1103-J(K)100 |              |
| L196      | LD 10UH 10% 0,18A 1210<br>RF CHOKE                     | LD 0007.9255.00 | SIEMENS      | B82422-A1103-J(K)100 |              |
| L197      | LD 15UH 3% 0,06A 1812<br>SMD INDUCTOR                  | 0048.6544.00    | DALE         | ISC-1812-15UH-3%     |              |
| L198      | LD 4,7UH 3% 0,31A 1812<br>SMD INDUCTOR                 | 0048.6250.00    | DALE         | IMC-1812-4.7UH-3%    |              |
| L199      | LD 4,7UH 3% 0,31A 1812<br>SMD INDUCTOR                 | 0048.6250.00    | DALE         | IMC-1812-4.7UH-3%    |              |
| L200      | LD 2,2UH 3% 0,38A 1812<br>SMD INDUCTOR                 | 0048.6221.00    | DALE         | IMC-1812-2.2UH-3%    |              |
| L201      | LD 2,2UH 3% 0,38A 1812<br>SMD INDUCTOR                 | 0048.6221.00    | DALE         | IMC-1812-2.2UH-3%    |              |
| L202      | LD 18NH 10% 0,3A 0603<br>SMD-MULTILAYER INDUCTOR       | LD 0009.6724.00 | TOKO         | LL1608-FH...K(J)     |              |
| L203      | LD 15UH 3% 0,06A 1812<br>SMD INDUCTOR                  | 0048.6544.00    | DALE         | ISC-1812-15UH-3%     |              |
| L204      | LD 15UH 3% 0,06A 1812<br>SMD INDUCTOR                  | 0048.6544.00    | DALE         | ISC-1812-15UH-3%     |              |
| L205      | LD 1UH 10% 0,38A 1210<br>RF CHOKE                      | LD 6006.0130.00 | SIEMENS      | B82422-A1102-J(K)100 |              |
| L206      | LD 470NH 10% 0,15A 1210<br>RF CHOKE                    | LD 0007.9926.00 | SIEMENS      | B82422-A3471-J(K)100 |              |
| L207      | LD 10UH 10% 0,18A 1210<br>RF CHOKE                     | LD 0007.9255.00 | SIEMENS      | B82422-A1103-J(K)100 |              |
| N1        | BO TL074ACD 4XFET OPAMP<br>OPERATIONAL AMPLIFIER       | 0007.7823.00    | TEXAS        | TL074A(CD)           |              |
| N2        | BO TL074ACD 4XFET OPAMP<br>OPERATIONAL AMPLIFIER       | 0007.7823.00    | TEXAS        | TL074A(CD)           |              |
| N3        | BO OP297GS 2X PREC OPAMP<br>IC DUALOPAMP               | 6071.9467.00    | ANALOG_DEV   | OP297GS              |              |
| N4        | BO TL074ACD 4XFET OPAMP<br>OPERATIONAL AMPLIFIER       | 0007.7823.00    | TEXAS        | TL074A(CD)           |              |
| N5        | BM MSA0386 DC-2.4G MMIC<br>BROADBAND AMPLIFIER         | 0848.4461.00    | AVANTEK      | MSA0386              |              |
| N6        | BO NE5534D OPAMP<br>OPERATIONAL AMPLIFIER              | 0815.7555.00    | SIGNETICS    | NE5534(D)            |              |
| N7        | BO OP275GS LN 2XFET OPAMP<br>LOW NOISE FET AUDIO OPAMP | 2043.0928.00    | ANALOG_DEV   | OP275GS              |              |
| ..11      |                                                        |                 |              |                      |              |
| N12       | BO REF01CS 10V 20MA VREF<br>VOLTAGE REFERENCE          | 1002.5129.00    | PMI          | REF01C(S)            |              |
| N13       | BO AD822BR 2XFET OPAMP<br>RAIL-TO-RAIL DUAL-FET OP     | 2043.0934.00    | ANALOG_DEV   | AD822BR              |              |
| N14       | BO AD829JR HISPEED OPAMP<br>LOW-NOISE HIGH-SPEED AMP   | BO 1036.4254.00 | ANALOG_DEV   | AD829JR              |              |
| N15       | BO AD829JR HISPEED OPAMP<br>LOW-NOISE HIGH-SPEED AMP   | BO 1036.4254.00 | ANALOG_DEV   | AD829JR              |              |
| N16       | BO OP400GS 4XLP OPAMP<br>QUAD LOW-OFFSET OPAMP         | 1002.5135.00    | PMI          | OP400G(S)            |              |
| N17       | BO LT1058SW 4XFET OPAMP<br>QUAD OPAMP FET              | 2013.1484.00    | LINEAR_TEC   | LT1058SW             |              |
| N18       | BO OP400GS 4XLP OPAMP<br>QUAD LOW-OFFSET OPAMP         | 1002.5135.00    | PMI          | OP400G(S)            |              |
| N19       | BO OP400GS 4XLP OPAMP<br>QUAD LOW-OFFSET OPAMP         | 1002.5135.00    | PMI          | OP400G(S)            |              |
| N20       | BO OP297GS 2X PREC OPAMP<br>IC DUALOPAMP               | 6071.9467.00    | ANALOG_DEV   | OP297GS              |              |
| N21       | BO OP297GS 2X PREC OPAMP<br>IC DUALOPAMP               | 6071.9467.00    | ANALOG_DEV   | OP297GS              |              |
| N22       | BO AD744KR FET OPAMP<br>500NS SETTLE. BIFET OPAMP      | BO 0854.1754.00 | ANALOG_DEV   | (AD)744KR            |              |
| ..24      |                                                        |                 |              |                      |              |
| N25       | BO OP297GS 2X PREC OPAMP<br>IC DUALOPAMP               | 6071.9467.00    | ANALOG_DEV   | OP297GS              |              |
| ..27      |                                                        |                 |              |                      |              |
| N28       | BL UPB581C 2:1 PRESC<br>IC PRESCALER/DIVIDER           | BL 0840.6113.00 | NEC          | (UP)B581C            |              |
| N29       | BO AD811JR VIDEO CF OPAMP<br>HIGH-OUTPUT CURRENT OPAMP | BO 2025.2997.00 | ANALOG_DEV   | AD811JR              |              |
| N30       | BO MAX942CSA R-TO-R 2XCOM<br>COMPARATOR                | 1085.1710.00    | MAXIM        | MAX942CSA-T          |              |
| N31       | BO OP07CS8 OPAMP<br>OPERATIONAL AMPLIFIER              | 0007.7781.00    | LINEAR_TEC   | LT1001(CS8)          |              |
| ..33      |                                                        |                 |              |                      |              |
| N34       | BO AD744KR FET OPAMP<br>500NS SETTLE. BIFET OPAMP      | BO 0854.1754.00 | ANALOG_DEV   | (AD)744KR            |              |

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|  |          | 68 | 07.10.99      | EE IQ-MODULATOR<br>IQ-MODULATOR       | <b>1084.9800.01 SA</b>  | 19+               |

| Kennz.<br>Comp. No. | Benennung<br>Designation                               | Stock No.       | Manufacturer | Designation         | contained in |
|---------------------|--------------------------------------------------------|-----------------|--------------|---------------------|--------------|
| N35                 | BO AD744KR FET OPAMP<br>500NS SETT. BIFET OPAMP        | BO 0854.1754.00 | ANALOG_DEV   | (AD)744KR           |              |
| N37                 | BO OP275GS LN 2XFET OPAMP<br>LOW NOISE FET AUDIO OPAMP | 2043.0928.00    | ANALOG_DEV   | OP275GS             |              |
| N38                 | BM MGA82563 0.1-6G MMIC<br>MICROWAVE MONOLITHIC AMPL   | 1085.2100.00    | HEWLETT_PA   | MGA-82563-TR1       |              |
| N39                 | BO AD744KR FET OPAMP<br>500NS SETT. BIFET OPAMP        | BO 0854.1754.00 | ANALOG_DEV   | (AD)744KR           |              |
| ..41                | BO MAX942CSA R-TO-R 2XCOM                              | 1085.1710.00    | MAXIM        | MAX942CSA-T         |              |
| N42                 | COMPARATOR                                             | 2043.0928.00    | ANALOG_DEV   | OP275GS             |              |
| N43                 | BO OP275GS LN 2XFET OPAMP<br>LOW NOISE FET AUDIO OPAMP | 1104.9980.00    | WATKINS-JO   | WJ-AM1              |              |
| N44                 | BM AM-1 0.25-3GHZ MMIC<br>BROADBAND AMPLIFIER          | 1002.5135.00    | PMI          | OP400G(S)           |              |
| ..47                | BO OP400GS 4XLP OPAMP                                  | 1104.9980.00    | WATKINS-JO   | WJ-AM1              |              |
| N48                 | QUAD LOW-OFFSET OPAMP                                  |                 |              |                     |              |
| N49                 | BM AM-1 0.25-3GHZ MMIC<br>BROADBAND AMPLIFIER          |                 |              |                     |              |
| P1                  | VL EINPRESSSTIFT 5,6                                   | VL 0010.7250.00 | AMP          | 1-928776-5          |              |
| ..12                | PIN                                                    | VL 0010.7250.00 | AMP          | 1-928776-5          |              |
| P13                 | VL EINPRESSSTIFT 5,6                                   | VL 0010.7250.00 | AMP          | 1-928776-5          |              |
| P14                 | PIN                                                    | VL 0010.7250.00 | AMP          | 1-928776-5          |              |
| P17                 | VL EINPRESSSTIFT 5,6                                   | VL 0010.7250.00 | AMP          | 1-928776-5          |              |
| P18                 | PIN                                                    | VL 0010.7250.00 | AMP          | 1-928776-5          |              |
| P19                 | VL EINPRESSSTIFT 5,6                                   | VL 0010.7250.00 | AMP          | 1-928776-5          |              |
| P20                 | PIN                                                    | VL 0010.7250.00 | AMP          | 1-928776-5          |              |
| ..26                | VL EINPRESSSTIFT 5,6                                   | VL 0010.7250.00 | AMP          | 1-928776-5          |              |
| P29                 | PIN                                                    | VL 0010.7250.00 | AMP          | 1-928776-5          |              |
| P32                 | VL EINPRESSSTIFT 5,6                                   | VL 0010.7250.00 | AMP          | 1-928776-5          |              |
| ..45                | PIN                                                    | VL 0010.7250.00 | AMP          | 1-928776-5          |              |
| P50                 | VL EINPRESSSTIFT 5,6                                   | VL 0010.7250.00 | AMP          | 1-928776-5          |              |
| ..69                | PIN                                                    | VL 0010.7250.00 | AMP          | 1-928776-5          |              |
| P72                 | VL EINPRESSSTIFT 5,6                                   | VL 0010.7250.00 | AMP          | 1-928776-5          |              |
| P75                 | PIN                                                    | VL 0010.7250.00 | AMP          | 1-928776-5          |              |
| R1                  | RG 9,09KOH+-0,1%TK25 1206<br>SMD-RESISTOR EIA1206      | 0009.8904.00    | PHILIPS_CO   | MPC 01              |              |
| R2                  | RS 0,25W 2KOHM +-20% SMD<br>POTENTIOMETER              | RS 0007.9626.00 | BI_TECHNOL   | 23 B R... TR        |              |
| R3                  | RG 100R +-1% TK100 0603<br>SMD RESISTOR EIA0603        | RG 0009.5334.00 | PHILIPS_CO   | RC 22 H             |              |
| ..6                 | RG 39R 1% 1W 1218<br>SMD-RESISTOR                      | 1104.2786.00    | PHILIPS_CO   | PRC201-39R 1% TK100 |              |
| R7                  | RG 39R 1% 1W 1218<br>SMD-RESISTOR                      | 1104.2786.00    | PHILIPS_CO   | PRC201-39R 1% TK100 |              |
| R8                  | RG 220K +-1% TK100 0603<br>SMD RESISTOR EIA0603        | 0009.7108.00    | DRALORIC     | CR 0603             |              |
| R9                  | RG 220K +-1% TK100 0603<br>SMD RESISTOR EIA0603        | 0009.7108.00    | DRALORIC     | CR 0603             |              |
| R10                 | RG 121 OHM+-1%TK100 0603<br>SMD RESISTOR EIA0603       | 0009.9498.00    | DRALORIC     | CR 0603             |              |
| R11                 | RG 1,3KOHM+-0,1%TK25 1206<br>RESISTOR                  | 0010.1968.00    | PHILIPS_CO   | MPC 01              |              |
| R12                 | RG 20R 1% 1W 1218<br>SMD RESISTOR                      | 1104.2734.00    | PHILIPS_CO   | PRC201-20R 1% TK100 |              |
| ..15                | RG 51,0 OHM+-1%TK100 0603<br>SMD RESISTOR EIA0603      | 0009.9030.00    | DRALORIC     | CR 0603             |              |
| R16                 | RG 100R +-1% TK100 0603<br>SMD RESISTOR EIA0603        | RG 0009.5334.00 | PHILIPS_CO   | RC 22 H             |              |
| R17                 | RG 100R +-1% TK100 0603<br>SMD RESISTOR EIA0603        | RG 0009.5334.00 | PHILIPS_CO   | RC 22 H             |              |
| R18                 | RG 20K +-1% TK100 0603<br>SMD RESISTOR EIA0603         | 0010.9100.00    | PHILIPS_CO   | RC 22 H             |              |
| R19                 | RG 10R +-1% TK100 0603<br>SMD RESISTOR EIA0603         | RG 0009.5328.00 | PHILIPS_CO   | RC 22 H             |              |
| R20                 | RG 10R +-1% TK100 0603<br>SMD RESISTOR EIA0603         | RG 0009.5328.00 | PHILIPS_CO   | RC 22 H             |              |
| R21                 | RG 270R +-1% TK100 0603<br>SMD RESISTOR EIA0603        | 0010.9581.00    | PHILIPS_CO   | RC 22 H             |              |
| R22                 | RG 270R +-1% TK100 0603<br>SMD RESISTOR EIA0603        |                 |              |                     |              |

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| <br><b>ROHDE&amp;SCHWARZ</b> | 68       | 07.10.99 | EE IQ-MODULATOR<br>IQ-MODULATOR | <b>1084.9800.01 SA</b>                | 20+                     |                   |

| Comp. No. | Designation                                  | Stock No. | Manufacturer    | Designation             | contained in |
|-----------|----------------------------------------------|-----------|-----------------|-------------------------|--------------|
| R23       | RG 0-OHM WIDERSTAND<br>SMD RESISTOR EIA0603  | 0603      | 0009.9369.00    | PHILIPS_CO RC21 O OHM   |              |
| R24       | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H      |              |
| R25       | RG 0-OHM WIDERSTAND<br>SMD RESISTOR EIA0603  | 0603      | 0009.9369.00    | PHILIPS_CO RC21 O OHM   |              |
| R26       | RG 47R +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.6924.00    | PHILIPS_CO RC 22 H      |              |
| R27       | RG 100R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5334.00 | PHILIPS_CO RC 22 H      |              |
| ..30      | RG 47R +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.6924.00    | PHILIPS_CO RC 22 H      |              |
| R31       | RG 47R +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.6924.00    | PHILIPS_CO RC 22 H      |              |
| R32       | RG 47R +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.6924.00    | PHILIPS_CO RC 22 H      |              |
| R33       | RG 100R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5334.00 | PHILIPS_CO RC 22 H      |              |
| R34       | RG 100R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5334.00 | PHILIPS_CO RC 22 H      |              |
| R35       | RG 220R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0009.6953.00    | DRALORIC CR 0603        |              |
| R36       | RG 100R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5334.00 | PHILIPS_CO RC 22 H      |              |
| R37       | RG 182 OHM+-1%TK100<br>SMD RESISTOR EIA0603  | 0603      | 0009.9130.00    | DRALORIC CR 0603        |              |
| R38       | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H      |              |
| R39       | RG 2K2 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.7008.00    | PHILIPS_CO RC 22 H      |              |
| R40       | RG 270R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0010.9581.00    | PHILIPS_CO RC 22 H      |              |
| R41       | RG 182 OHM+-1%TK100<br>SMD RESISTOR EIA0603  | 0603      | 0009.9130.00    | DRALORIC CR 0603        |              |
| R42       | RG 270R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0010.9581.00    | PHILIPS_CO RC 22 H      |              |
| R43       | RG 270R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0010.9581.00    | PHILIPS_CO RC 22 H      |              |
| R43       | NUR VAR/ONLY MOD: 02<br>RG 270R +-1% TK100   | 0603      | 0010.9581.00    | PHILIPS_CO RC 22 H      |              |
| R43       | SMD RESISTOR EIA0603<br>NUR VAR/ONLY MOD: 04 | 0603      | 0010.9581.00    | PHILIPS_CO RC 22 H      |              |
| R43       | RG 270R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0010.9581.00    | PHILIPS_CO RC 22 H      |              |
| R43       | NUR VAR/ONLY MOD: 06<br>RG 270R +-1% TK100   | 0603      | 0010.9581.00    | PHILIPS_CO RC 22 H      |              |
| R43       | SMD RESISTOR EIA0603<br>NUR VAR/ONLY MOD: 08 | 0603      | 0010.9581.00    | PHILIPS_CO RC 22 H      |              |
| R44       | RG 100R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5334.00 | PHILIPS_CO RC 22 H      |              |
| R45       | RG 10R +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5328.00 | PHILIPS_CO RC 22 H      |              |
| R46       | RG 20K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0010.9100.00    | PHILIPS_CO RC 22 H      |              |
| R47       | RG 2K74 +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0010.8410.00    | PHILIPS_CO RC 22 H      |              |
| R48       | RG 20K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0010.9100.00    | PHILIPS_CO RC 22 H      |              |
| R49       | RG 20K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0010.9100.00    | PHILIPS_CO RC 22 H      |              |
| R50       | RG 10,0KOH+-0,1%TK25<br>SMD-RESISTOR         | 1206      | 0009.7666.00    | PHILIPS_CO MPC 01       |              |
| R50       | NUR VAR/ONLY MOD: 02<br>RG 10,0KOH+-0,1%TK25 | 1206      | 0009.7666.00    | PHILIPS_CO MPC 01       |              |
| R50       | SMD-RESISTOR<br>NUR VAR/ONLY MOD: 04         | 1206      | 0009.7666.00    | PHILIPS_CO MPC 01       |              |
| R50       | RG 10,0KOH+-0,1%TK25<br>SMD-RESISTOR         | 1206      | 0009.7666.00    | PHILIPS_CO MPC 01       |              |
| R50       | NUR VAR/ONLY MOD: 06<br>RG 7,5KOHM+-1%TK100  | 1206      | RG 0007.0764.00 | PHILIPS_CO RC02         |              |
| R51       | RG CHIP RESISTOR<br>NUR VAR/ONLY MOD: 08     | 1206      | RS 0007.9632.00 | BI_TECHNOL 23 B R... TR |              |
| R52       | RS 0,25W 5KOHM +-20% SMD<br>POTENTIOMETER    |           | 0009.9369.00    | PHILIPS_CO RC21 O OHM   |              |
| R53       | RG 0-OHM WIDERSTAND<br>SMD RESISTOR EIA0603  | 0603      | 0009.9030.00    | DRALORIC CR 0603        |              |
| R54       | RG 51,0 OHM+-1%TK100<br>SMD RESISTOR EIA0603 | 0603      | 0009.9030.00    | DRALORIC CR 0603        |              |
| R54       | RG 51,0 OHM+-1%TK100<br>SMD RESISTOR EIA0603 | 0603      | 0009.9030.00    | DRALORIC CR 0603        |              |

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|  | <b>ROHM &amp; SCHWARZ</b> | 68 | 07.10.99      | EE IQ-MODULATOR<br>IQ-MODULATOR       | <b>1084.9800.01 SA</b>  | 21+               |

| Kennz.<br>Comp. No. | Bezeichnung<br>Designation                      | Sachnummer<br>Stock No. | Hersteller<br>Manufacturer | Bezeichnung<br>Designation | contained in |
|---------------------|-------------------------------------------------|-------------------------|----------------------------|----------------------------|--------------|
| R55                 | RG 220R +-1% TK100 0603<br>SMD RESISTOR EIA0603 | 0009.6953.00            | DRALORIC CR 0603           |                            |              |
| R56                 | RG 100R +-1% TK100 0603                         | RG 0009.5334.00         | PHILIPS_CO RC 22 H         |                            |              |
| ..62                | SMD RESISTOR EIA0603                            |                         |                            |                            |              |
| R63                 | RG 3K92 +-1% TK100 0603                         | 0010.8427.00            | PHILIPS_CO RC 22 H         |                            |              |
|                     | SMD RESISTOR EIA0603                            |                         |                            |                            |              |
| R64                 | RG 3K92 +-1% TK100 0603                         | 0010.8427.00            | PHILIPS_CO RC 22 H         |                            |              |
|                     | SMD RESISTOR EIA0603                            |                         |                            |                            |              |
| R65                 | RG 10R +-1% TK100 0603                          | RG 0009.5328.00         | PHILIPS_CO RC 22 H         |                            |              |
|                     | SMD RESISTOR EIA0603                            |                         |                            |                            |              |
| R66                 | RG 100R +-1% TK100 0603                         | RG 0009.5334.00         | PHILIPS_CO RC 22 H         |                            |              |
|                     | SMD RESISTOR EIA0603                            |                         |                            |                            |              |
| R67                 | RG 182 OHM+-1%TK100 0603                        | 0009.9130.00            | DRALORIC CR 0603           |                            |              |
|                     | SMD RESISTOR EIA0603                            |                         |                            |                            |              |
| R68                 | RG 100R +-1% TK100 0603                         | RG 0009.5334.00         | PHILIPS_CO RC 22 H         |                            |              |
| ..71                | SMD RESISTOR EIA0603                            |                         |                            |                            |              |
| R72                 | RG 10K +-1% TK100 0603                          | RG 0009.5357.00         | PHILIPS_CO RC 22 H         |                            |              |
|                     | SMD RESISTOR EIA0603                            |                         |                            |                            |              |
| R73                 | RG 150R +-1% TK100 0603                         | 0009.6947.00            | PHILIPS_CO RC 22 H         |                            |              |
|                     | SMD RESISTOR EIA0603                            |                         |                            |                            |              |
| R74                 | RG 100R +-1% TK100 0603                         | RG 0009.5334.00         | PHILIPS_CO RC 22 H         |                            |              |
| ..81                | SMD RESISTOR EIA0603                            |                         |                            |                            |              |
| R82                 | RG 47K +-1% TK100 0603                          | 0009.7072.00            | PHILIPS_CO RC 22 H         |                            |              |
|                     | SMD RESISTOR EIA0603                            |                         |                            |                            |              |
| R83                 | RG 47K +-1% TK100 0603                          | 0009.7072.00            | PHILIPS_CO RC 22 H         |                            |              |
|                     | SMD RESISTOR EIA0603                            |                         |                            |                            |              |
| R84                 | RG 100R +-1% TK100 0603                         | RG 0009.5334.00         | PHILIPS_CO RC 22 H         |                            |              |
| ..88                | SMD RESISTOR EIA0603                            |                         |                            |                            |              |
| R89                 | RG 100R +-1% TK100 0603                         | RG 0009.5334.00         | PHILIPS_CO RC 22 H         |                            |              |
|                     | SMD RESISTOR EIA0603                            |                         |                            |                            |              |
| R90                 | RG 51,0 OHM+-1%TK100 0603                       | 0009.9030.00            | DRALORIC CR 0603           |                            |              |
|                     | SMD RESISTOR EIA0603                            |                         |                            |                            |              |
| R91                 | RG 51,0 OHM+-1%TK100 0603                       | 0009.9030.00            | DRALORIC CR 0603           |                            |              |
|                     | SMD RESISTOR EIA0603                            |                         |                            |                            |              |
| R92                 | RG 100R +-1% TK100 0603                         | RG 0009.5334.00         | PHILIPS_CO RC 22 H         |                            |              |
|                     | SMD RESISTOR EIA0603                            |                         |                            |                            |              |
| R93                 | RG 100R +-1% TK100 0603                         | RG 0009.5334.00         | PHILIPS_CO RC 22 H         |                            |              |
|                     | SMD RESISTOR EIA0603                            |                         |                            |                            |              |
| R94                 | RG 100R +-1% TK100 0603                         | RG 0009.5334.00         | PHILIPS_CO RC 22 H         |                            |              |
|                     | SMD RESISTOR EIA0603                            |                         |                            |                            |              |
| R95                 | RG 150R +-1% TK100 0603                         | 0009.6947.00            | PHILIPS_CO RC 22 H         |                            |              |
|                     | SMD RESISTOR EIA0603                            |                         |                            |                            |              |
| R96                 | RG 150R +-1% TK100 0603                         | 0009.6947.00            | PHILIPS_CO RC 22 H         |                            |              |
|                     | SMD RESISTOR EIA0603                            |                         |                            |                            |              |
| R97                 | RG 100R +-1% TK100 0603                         | RG 0009.5334.00         | PHILIPS_CO RC 22 H         |                            |              |
|                     | SMD RESISTOR EIA0603                            |                         |                            |                            |              |
| R98                 | RG 100R +-1% TK100 0603                         | RG 0009.5334.00         | PHILIPS_CO RC 22 H         |                            |              |
|                     | SMD RESISTOR EIA0603                            |                         |                            |                            |              |
| R99                 | RG 0-OHM WIDERSTAND 0603                        | 0009.9369.00            | PHILIPS_CO RC21 0 OHM      |                            |              |
|                     | SMD RESISTOR EIA0603                            |                         |                            |                            |              |
| R100                | RG 100R +-1% TK100 0603                         | RG 0009.5334.00         | PHILIPS_CO RC 22 H         |                            |              |
| ..102               | SMD RESISTOR EIA0603                            |                         |                            |                            |              |
| R103                | RG 2K0 +-1% TK100 0603                          | 1097.6328.00            | PHILIPS_CO RC 22 H         |                            |              |
|                     | SMD RESISTOR EIA0603                            |                         |                            |                            |              |
| R104                | RG 100R +-1% TK100 0603                         | RG 0009.5334.00         | PHILIPS_CO RC 22 H         |                            |              |
|                     | SMD RESISTOR EIA0603                            |                         |                            |                            |              |
| R105                | RG 0-OHM WIDERSTAND 0603                        | 0009.9369.00            | PHILIPS_CO RC21 0 OHM      |                            |              |
|                     | SMD RESISTOR EIA0603                            |                         |                            |                            |              |
| R106                | RG 100R +-1% TK100 0603                         | RG 0009.5334.00         | PHILIPS_CO RC 22 H         |                            |              |
|                     | SMD RESISTOR EIA0603                            |                         |                            |                            |              |
| R107                | RG 10K +-1% TK100 0603                          | RG 0009.5357.00         | PHILIPS_CO RC 22 H         |                            |              |
|                     | SMD RESISTOR EIA0603                            |                         |                            |                            |              |
| R108                | RG 100R +-1% TK100 0603                         | RG 0009.5334.00         | PHILIPS_CO RC 22 H         |                            |              |
|                     | SMD RESISTOR EIA0603                            |                         |                            |                            |              |
| R109                | RG 47K +-1% TK100 0603                          | 0009.7072.00            | PHILIPS_CO RC 22 H         |                            |              |
|                     | SMD RESISTOR EIA0603                            |                         |                            |                            |              |
| R110                | RG 1K0 +-1% TK100 0603                          | RG 0009.5340.00         | PHILIPS_CO RC 22 H         |                            |              |
|                     | SMD RESISTOR EIA0603                            |                         |                            |                            |              |
| R111                | RG 100R +-1% TK100 0603                         | RG 0009.5334.00         | PHILIPS_CO RC 22 H         |                            |              |
|                     | SMD RESISTOR EIA0603                            |                         |                            |                            |              |
| R112                | RG 100R +-1% TK100 0603                         | RG 0009.5334.00         | PHILIPS_CO RC 22 H         |                            |              |
|                     | SMD RESISTOR EIA0603                            |                         |                            |                            |              |
| R113                | RG 182 OHM+-1%TK100 0603                        | 0009.9130.00            | DRALORIC CR 0603           |                            |              |
|                     | SMD RESISTOR EIA0603                            |                         |                            |                            |              |
| R114                | RG 10R +-1% TK100 0603                          | RG 0009.5328.00         | PHILIPS_CO RC 22 H         |                            |              |
|                     | SMD RESISTOR EIA0603                            |                         |                            |                            |              |
| R115                | RG 100R +-1% TK100 0603                         | RG 0009.5334.00         | PHILIPS_CO RC 22 H         |                            |              |
|                     | SMD RESISTOR EIA0603                            |                         |                            |                            |              |

| 1GPK                                                                                                              | 887 3PLU | ÄI       | Datum<br>Date                       | Schaltteilliste für<br>Parts list for | Sachnummer<br>Stock No. | Blatt-Nr.<br>Page |
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| <br><b>ROHDE &amp; SCHWARZ</b> | 68       | 07.10.99 | EE IQ-MODULATOR<br><br>IQ-MODULATOR | <b>1084.9800.01 SA</b>                | 22+                     |                   |

| Comp. No. | Designation                                       | Stock No.                                         | Manufacturer | Designation          | contained in         |
|-----------|---------------------------------------------------|---------------------------------------------------|--------------|----------------------|----------------------|
| R116      | RG 10R +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5328.00                                   | PHILIPS_CO   | RC 22 H              |                      |
| R117      | RG 100R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | RG 0009.5334.00                                   | PHILIPS_CO   | RC 22 H              |                      |
| R118      | RG 100R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | RG 0009.5334.00                                   | PHILIPS_CO   | RC 22 H              |                      |
| R119      | RG 10R +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5328.00                                   | PHILIPS_CO   | RC 22 H              |                      |
| R120      | RG 182 OHM+-1%TK100 0603<br>SMD RESISTOR EIA0603  | 0009.9130.00                                      | DRALORIC     | CR 0603              |                      |
| R121      | RG 100R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | RG 0009.5334.00                                   | PHILIPS_CO   | RC 22 H              |                      |
| R122      | RG 0-OHM WIDERSTAND 0603<br>SMD RESISTOR EIA0603  | 0009.9369.00                                      | PHILIPS_CO   | RC21 0 OHM           |                      |
| R123      | RG 27,4KOH+-0,1%TK25 1206<br>SMD-RESISTOR EIA1206 | 0009.7743.00                                      | PHILIPS_CO   | MPC 01               |                      |
| R124      | RS 0,25W 1KOHM +-20% SMD<br>RG POTENTIOMETER      | RS 0007.9610.00                                   | BI_TECHNOL   | 23 B R... TR         |                      |
| R125      | RG 100R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | RG 0009.5334.00                                   | PHILIPS_CO   | RC 22 H              |                      |
| R126      | RG 100R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | RG 0009.5334.00                                   | PHILIPS_CO   | RC 22 H              |                      |
| R127      | RG 0-OHM WIDERSTAND 0603<br>SMD RESISTOR EIA0603  | 0009.9369.00                                      | PHILIPS_CO   | RC21 0 OHM           |                      |
| R128      | RG 1K0 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5340.00                                   | PHILIPS_CO   | RC 22 H              |                      |
| R129      | RG 100R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | RG 0009.5334.00                                   | PHILIPS_CO   | RC 22 H              |                      |
| ..133     | R134                                              | RG 82,5 OHM+-1%TK100 0603<br>SMD RESISTOR EIA0603 | 0009.9052.00 | DRALORIC             | CR 0603              |
| R135      | RG 100R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | RG 0009.5334.00                                   | PHILIPS_CO   | RC 22 H              |                      |
| R136      | RG 100R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | RG 0009.5334.00                                   | PHILIPS_CO   | RC 22 H              |                      |
| R137      | RG 220R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0009.6953.00                                      | DRALORIC     | CR 0603              |                      |
| R138      | RG 100R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | RG 0009.5334.00                                   | PHILIPS_CO   | RC 22 H              |                      |
| ..140     | R141                                              | RG 100R 1% 1W 1218<br>SMD RESISTOR                | 1104.2740.00 | PHILIPS_CO           | PRC201-100R 1% TK100 |
| R142      | RG 100R 1% 1W 1218<br>SMD RESISTOR                | 1104.2740.00                                      | PHILIPS_CO   | PRC201-100R 1% TK100 |                      |
| R143      | RG 100R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | RG 0009.5334.00                                   | PHILIPS_CO   | RC 22 H              |                      |
| ..145     | R146                                              | RG 301R +-1%TK100 0603<br>SMD RESISTOR EIA0603    | 0009.9123.00 | PHILIPS_CO           | RC 22 H              |
| R147      | RG 100R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | RG 0009.5334.00                                   | PHILIPS_CO   | RC 22 H              |                      |
| R148      | RG 100R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | RG 0009.5334.00                                   | PHILIPS_CO   | RC 22 H              |                      |
| R149      | RG 5R62 +-1% TK250 0603<br>SMD RESISTOR EIA0603   | 0009.9100.00                                      | DRALORIC     | CR 0603              |                      |
| R150      | RG 5R62 +-1% TK250 0603<br>SMD RESISTOR EIA0603   | 0009.9100.00                                      | DRALORIC     | CR 0603              |                      |
| R151      | RG 100R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | RG 0009.5334.00                                   | PHILIPS_CO   | RC 22 H              |                      |
| R152      | RG 100R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | RG 0009.5334.00                                   | PHILIPS_CO   | RC 22 H              |                      |
| R153      | RG 5R62 +-1% TK250 0603<br>SMD RESISTOR EIA0603   | 0009.9100.00                                      | DRALORIC     | CR 0603              |                      |
| R154      | RG 5R62 +-1% TK250 0603<br>SMD RESISTOR EIA0603   | 0009.9100.00                                      | DRALORIC     | CR 0603              |                      |
| R155      | RG 100R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | RG 0009.5334.00                                   | PHILIPS_CO   | RC 22 H              |                      |
| R156      | RG 7K5 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0010.8440.00                                      | PHILIPS_CO   | RC 22 H              |                      |
| R157      | RG 12R1+-1%TK100 0603<br>SMD RESISTOR EIA0603     | 0010.9275.00                                      | PHILIPS_CO   | RC 22 H              |                      |
| R158      | RG 35,7 OHM+-1%TK100 0603<br>SMD RESISTOR EIA0603 | 0009.9000.00                                      | PHILIPS_CO   | RC 22 H              |                      |
| R159      | RG 7K5 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0010.8440.00                                      | PHILIPS_CO   | RC 22 H              |                      |
| R160      | RG 5R62 +-1% TK250 0603<br>SMD RESISTOR EIA0603   | 0009.9100.00                                      | DRALORIC     | CR 0603              |                      |
| R161      | RG 5R62 +-1% TK250 0603<br>SMD RESISTOR EIA0603   | 0009.9100.00                                      | DRALORIC     | CR 0603              |                      |
| R162      | RG 100R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | RG 0009.5334.00                                   | PHILIPS_CO   | RC 22 H              |                      |

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|  | <b>ROHDE &amp; SCHWARZ</b> | 68 | 07.10.99      | EE IQ-MODULATOR<br>IQ-MODULATOR       | <b>1084.9800.01 SA</b>  | 23+               |

| Kennz.<br>Comp. No. | Benennung<br>Designation                          | Sachnummer<br>Stock No. | Manufacturer | Designation | contained in |
|---------------------|---------------------------------------------------|-------------------------|--------------|-------------|--------------|
| R163                | RG 22R +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.6901.00            | DRALORIC     | CR 0603     |              |
| R164                | RG 100R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | RG 0009.5334.00         | PHILIPS_CO   | RC 22 H     |              |
| R165                | RG 30,1 OHM+-1%TK100 0603<br>SMD RESISTOR EIA0603 | 0009.9081.00            | PHILIPS_CO   | RC 22 H     |              |
| R166                | RG 0-OHM WIDERSTAND 0603<br>SMD RESISTOR EIA0603  | 0009.9369.00            | PHILIPS_CO   | RC21 O OHM  |              |
| R167                | RG 10R +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5328.00         | PHILIPS_CO   | RC 22 H     |              |
| R168                | RG 5K62 +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0010.8433.00            | DRALORIC     | CR 0603     |              |
| R169                | RG 5R62 +-1% TK250 0603<br>SMD RESISTOR EIA0603   | 0009.9100.00            | DRALORIC     | CR 0603     |              |
| R170                | RG 100R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | RG 0009.5334.00         | PHILIPS_CO   | RC 22 H     |              |
| R171                | RG 100R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | RG 0009.5334.00         | PHILIPS_CO   | RC 22 H     |              |
| R172                | RG 301R +-1%TK100 0603<br>SMD RESISTOR EIA0603    | 0009.9123.00            | PHILIPS_CO   | RC 22 H     |              |
| R173                | RG 301R +-1%TK100 0603<br>SMD RESISTOR EIA0603    | 0009.9123.00            | PHILIPS_CO   | RC 22 H     |              |
| R174                | RG 12R1+-1%TK100 0603<br>SMD RESISTOR EIA0603     | 0010.9275.00            | PHILIPS_CO   | RC 22 H     |              |
| R175                | RG 0-OHM WIDERSTAND 0603<br>SMD RESISTOR EIA0603  | 0009.9369.00            | PHILIPS_CO   | RC21 O OHM  |              |
| R176                | RG 100R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | RG 0009.5334.00         | PHILIPS_CO   | RC 22 H     |              |
| R177                | RG 7K5 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0010.8440.00            | PHILIPS_CO   | RC 22 H     |              |
| R178                | RG 30,1 OHM+-1%TK100 0603<br>SMD RESISTOR EIA0603 | 0009.9081.00            | PHILIPS_CO   | RC 22 H     |              |
| R179                | RG 30,1 OHM+-1%TK100 0603<br>SMD RESISTOR EIA0603 | 0009.9081.00            | PHILIPS_CO   | RC 22 H     |              |
| R180                | RG 1K21 +-1% TK100 0603<br>SMD RESISTOR EIA0603   | RG 0010.9817.00         | PHILIPS_CO   | RC 22 H     |              |
| R181                | RG 1K21 +-1% TK100 0603<br>SMD RESISTOR EIA0603   | RG 0010.9817.00         | PHILIPS_CO   | RC 22 H     |              |
| R182                | RG 30,1 OHM+-1%TK100 0603<br>SMD RESISTOR EIA0603 | 0009.9081.00            | PHILIPS_CO   | RC 22 H     |              |
| R184                | RG 56R +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.9646.00            | DRALORIC     | CR 0603     |              |
| R185                | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5357.00         | PHILIPS_CO   | RC 22 H     |              |
| R186                | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5357.00         | PHILIPS_CO   | RC 22 H     |              |
| R187                | RG 301R +-1%TK100 0603<br>SMD RESISTOR EIA0603    | 0009.9123.00            | PHILIPS_CO   | RC 22 H     |              |
| R188                | RG 56R +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.9646.00            | DRALORIC     | CR 0603     |              |
| R189                | RG 30,1 OHM+-1%TK100 0603<br>SMD RESISTOR EIA0603 | 0009.9081.00            | PHILIPS_CO   | RC 22 H     |              |
| R190                | RG 301R +-1%TK100 0603<br>SMD RESISTOR EIA0603    | 0009.9123.00            | PHILIPS_CO   | RC 22 H     |              |
| R192                | RG 121 OHM+-1%TK100 0603<br>SMD RESISTOR EIA0603  | 0009.9498.00            | DRALORIC     | CR 0603     |              |
| R193                | RG 121 OHM+-1%TK100 0603<br>SMD RESISTOR EIA0603  | 0009.9498.00            | DRALORIC     | CR 0603     |              |
| R194                | RG 470R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0009.6976.00            | DRALORIC     | CR 0603     |              |
| R195                | RG 22R +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.6901.00            | DRALORIC     | CR 0603     |              |
| R196                | RG 68R +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.6930.00            | DRALORIC     | CR 0603     |              |
| R199                | RG 825R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0010.8391.00            | PHILIPS_CO   | RC 22 H     |              |
| R200                | RG 825R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0010.8391.00            | PHILIPS_CO   | RC 22 H     |              |
| R202                | RG 100R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | RG 0009.5334.00         | PHILIPS_CO   | RC 22 H     |              |
| R203                | RG 68R +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.6930.00            | DRALORIC     | CR 0603     |              |
| R204                | RG 68R +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.6930.00            | DRALORIC     | CR 0603     |              |
| R205                | RG 68R +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.6930.00            | DRALORIC     | CR 0603     |              |
| R206                | RG 100R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | RG 0009.5334.00         | PHILIPS_CO   | RC 22 H     |              |
| R208                | RG 68R +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.6930.00            | DRALORIC     | CR 0603     |              |
| R209                | RG 68R +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.6930.00            | DRALORIC     | CR 0603     |              |
| R210                | RG 100R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | RG 0009.5334.00         | PHILIPS_CO   | RC 22 H     |              |
| R211                | RG 182 OHM+-1%TK100 0603<br>SMD RESISTOR EIA0603  | 0009.9130.00            | DRALORIC     | CR 0603     |              |
| R214                |                                                   |                         |              |             |              |
| R215                |                                                   |                         |              |             |              |

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| <br><b>ROHDE &amp; SCHWARZ</b> |          | 68 | 07.10.99      | EE IQ-MODULATOR<br><br>IQ-MODULATOR   | <b>1084.9800.01 SA</b>  | 24+               |

| Comp. No. | Designation                                       | Stock No.       | Manufacturer | Designation | contained in |
|-----------|---------------------------------------------------|-----------------|--------------|-------------|--------------|
| R216      | RG 220R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0009.6953.00    | DRALORIC     | CR 0603     |              |
| R217      | RG 2K2 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.7008.00    | PHILIPS_CO   | RC 22 H     |              |
| R218      | RG 100R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | RG 0009.5334.00 | PHILIPS_CO   | RC 22 H     |              |
| R219      | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H     |              |
| R220      | RG 301R +-1%TK100 0603<br>SMD RESISTOR EIA0603    | 0009.9123.00    | PHILIPS_CO   | RC 22 H     |              |
| R221      | RG 3K92 +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0010.8427.00    | PHILIPS_CO   | RC 22 H     |              |
| R222      | RG 100R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | RG 0009.5334.00 | PHILIPS_CO   | RC 22 H     |              |
| R223      | RG 100R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | RG 0009.5334.00 | PHILIPS_CO   | RC 22 H     |              |
| R224      | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H     |              |
| R225      | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H     |              |
| R226      | RG 100R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | RG 0009.5334.00 | PHILIPS_CO   | RC 22 H     |              |
| R227      | RG 82,5 OHM+-1%TK100 0603<br>SMD RESISTOR EIA0603 | 0009.9052.00    | DRALORIC     | CR 0603     |              |
| R228      | RG 18K2+-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0010.9317.00    | DRALORIC     | CR 0603     |              |
| R229      | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H     |              |
| R230      | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H     |              |
| R231      | RG 12,0KOH+-0,1%TK25 1206<br>SMD-RESISTOR         | 0009.7620.00    | PHILIPS_CO   | MPC 01      |              |
| R232      | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H     |              |
| R233      | RG 100R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | RG 0009.5334.00 | PHILIPS_CO   | RC 22 H     |              |
| R238      | RG 1,0 KO +-0,1%TK25 1206<br>SMD-RESISTOR         | 0009.7595.00    | PHILIPS_CO   | MPC 01      |              |
| R239      | RG 1,0 KO +-0,1%TK25 1206<br>SMD-RESISTOR         | 0009.7595.00    | PHILIPS_CO   | MPC 01      |              |
| R240      | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H     |              |
| R244      | RG 2K2 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.7008.00    | PHILIPS_CO   | RC 22 H     |              |
| R245      | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H     |              |
| R246      | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H     |              |
| R247      | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H     |              |
| R248      | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H     |              |
| R249      | RG 2K2 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.7008.00    | PHILIPS_CO   | RC 22 H     |              |
| R250      | RG 1KO +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5340.00 | PHILIPS_CO   | RC 22 H     |              |
| R251      | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H     |              |
| R252      | RG 1KO +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5340.00 | PHILIPS_CO   | RC 22 H     |              |
| R253      | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H     |              |
| R254      | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H     |              |
| R255      | RG 10,0KOH+-0,1%TK25 1206<br>SMD-RESISTOR         | 0009.7666.00    | PHILIPS_CO   | MPC 01      |              |
| R256      | RG 10,0KOH+-0,1%TK25 1206<br>SMD-RESISTOR         | 0009.7666.00    | PHILIPS_CO   | MPC 01      |              |
| R257      | RG 1KO +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5340.00 | PHILIPS_CO   | RC 22 H     |              |
| R258      | RG 20K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0010.9100.00    | PHILIPS_CO   | RC 22 H     |              |
| R259      | RG 5,11KOHM+-1%TK100 1206<br>CHIP RESISTOR        | RG 0007.0729.00 | ROEDERSTEI   | D25         |              |
| R260      | RG 5,11KOHM+-1%TK100 1206<br>CHIP RESISTOR        | RG 0007.0729.00 | ROEDERSTEI   | D25         |              |
| R261      | RG 39,2KOH+-0,1%TK25 1206<br>SMD-RESISTOR         | 0009.8027.00    | PHILIPS_CO   | MPC 01      |              |

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| 1GPK                                                                                                              | 887 3PLU | Äl       | Datum<br>Date                       | Schaltteilliste für<br>Parts list for | Sachnummer<br>Stock No. | Blatt-Nr.<br>Page |
|-------------------------------------------------------------------------------------------------------------------|----------|----------|-------------------------------------|---------------------------------------|-------------------------|-------------------|
| <br><b>ROHDE &amp; SCHWARZ</b> | 68       | 07.10.99 | EE IQ-MODULATOR<br><br>IQ-MODULATOR | <b>1084.9800.01 SA</b>                | 25+                     |                   |

| Kennz.<br>Comp. No. | Benennung<br>Designation                          | Sachnummer<br>Stock No. | Manufacturer<br>Designation | contained in |
|---------------------|---------------------------------------------------|-------------------------|-----------------------------|--------------|
| R262                | RG 39,2KOH+-0,1%TK25 1206<br>SMD-RESISTOR         | 0009.8027.00            | PHILIPS_CO MPC 01           |              |
| R263                | RG 39K2 +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0010.9823.00            | PHILIPS_CO RC 22 H          |              |
| R264                | RG 20K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0010.9100.00            | PHILIPS_CO RC 22 H          |              |
| R265                | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5357.00         | PHILIPS_CO RC 22 H          |              |
| R266                | RG 8K25 +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0010.8456.00            | PHILIPS_CO RC 22 H          |              |
| R267                | RG 15K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.7043.00            | DRALORIC CR 0603            |              |
| R268                | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5357.00         | PHILIPS_CO RC 22 H          |              |
| ..270               | RG 100K +-1% TK100 0603<br>SMD RESISTOR EIA0603   | RG 0009.5363.00         | DRALORIC CR 0603            |              |
| R271                | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5357.00         | PHILIPS_CO RC 22 H          |              |
| R272                | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5357.00         | PHILIPS_CO RC 22 H          |              |
| R273                | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5357.00         | PHILIPS_CO RC 22 H          |              |
| R274                | RG 15K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.7043.00            | DRALORIC CR 0603            |              |
| R275                | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5357.00         | PHILIPS_CO RC 22 H          |              |
| ..277               | RG 2K2 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.7008.00            | PHILIPS_CO RC 22 H          |              |
| R278                | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5357.00         | PHILIPS_CO RC 22 H          |              |
| ..283               | RG 82,5 OHM+-1%TK100 0603<br>SMD RESISTOR EIA0603 | 0009.9052.00            | DRALORIC CR 0603            |              |
| R284                | RG 392R+-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0010.9300.00            | PHILIPS_CO RC 22 H          |              |
| R285                | RG 392R+-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0010.9300.00            | PHILIPS_CO RC 22 H          |              |
| R286                | RG 825R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0010.8391.00            | PHILIPS_CO RC 22 H          |              |
| R287                | RG 2K2 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.7008.00            | PHILIPS_CO RC 22 H          |              |
| R288                | RG 470R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0009.6976.00            | DRALORIC CR 0603            |              |
| R289                | RG 470R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0009.6976.00            | DRALORIC CR 0603            |              |
| R290                | RG 16,2OHM+-1%TK100 0603<br>SMD RESISTOR EIA0603  | 0009.8933.00            | DRALORIC CR 0603            |              |
| R291                | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5357.00         | PHILIPS_CO RC 22 H          |              |
| R292                | RG 16,2OHM+-1%TK100 0603<br>SMD RESISTOR EIA0603  | 0009.8933.00            | DRALORIC CR 0603            |              |
| R293                | RG 16,2OHM+-1%TK100 0603<br>SMD RESISTOR EIA0603  | 0009.8933.00            | DRALORIC CR 0603            |              |
| R294                | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5357.00         | PHILIPS_CO RC 22 H          |              |
| R295                | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5357.00         | PHILIPS_CO RC 22 H          |              |
| R296                | RG 3K92 +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0010.8427.00            | PHILIPS_CO RC 22 H          |              |
| R297                | RG 220R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0009.6953.00            | DRALORIC CR 0603            |              |
| R298                | RG 100R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | RG 0009.5334.00         | PHILIPS_CO RC 22 H          |              |
| R299                | RG 82,5 OHM+-1%TK100 0603<br>SMD RESISTOR EIA0603 | 0009.9052.00            | DRALORIC CR 0603            |              |
| R300                | RG 0-OHM WIDERSTAND 0603<br>SMD RESISTOR EIA0603  | 0009.9369.00            | PHILIPS_CO RC21 0 OHM       |              |
| R301                | RG 100R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | RG 0009.5334.00         | PHILIPS_CO RC 22 H          |              |
| R302                | RG 121 OHM+-1%TK100 0603<br>SMD RESISTOR EIA0603  | 0009.9498.00            | DRALORIC CR 0603            |              |
| R303                | RG 121 OHM+-1%TK100 0603<br>SMD RESISTOR EIA0603  | 0009.9498.00            | DRALORIC CR 0603            |              |
| R304                | RG 3,32KOH+-0,1%TK25 1206<br>SMD-RESISTOR EIA1206 | 0009.7772.00            | PHILIPS_CO MPC 01           |              |
| R305                | RG 3K3 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.7014.00            | DRALORIC CR 0603            |              |
| R306                | RG 680R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0009.6982.00            | PHILIPS_CO RC 22 H          |              |
| ..311               | RG 680R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0009.6982.00            | PHILIPS_CO RC 22 H          |              |
| R312                | RG 680R +-1% TK100 0603<br>SMD RESISTOR EIA0603   |                         |                             |              |
| R313                | RG 680R +-1% TK100 0603<br>SMD RESISTOR EIA0603   |                         |                             |              |

| 1GPK                                                                                                              | 887 3PLU | Äl       | Datum<br>Date                   | Schaltteilleiste für<br>Parts list for | Sachnummer<br>Stock No. | Blatt-Nr.<br>Page |
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| <br><b>ROHDE &amp; SCHWARZ</b> | 68       | 07.10.99 | EE IQ-MODULATOR<br>IQ-MODULATOR | <b>1084.9800.01 SA</b>                 | 26+                     |                   |

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| Comp. No.     | Designation                                       | Stock No.       | Manufacturer | Designation | contained in |
|---------------|---------------------------------------------------|-----------------|--------------|-------------|--------------|
| R314<br>..317 | RG 3K3 +-1% TK100 0603                            | 0009.7014.00    | DRALORIC     | CR 0603     |              |
| R318          | SMD RESISTOR EIA0603<br>RG 1K0 +-1% TK100 0603    | RG 0009.5340.00 | PHILIPS_CO   | RC 22 H     |              |
| R319          | SMD RESISTOR EIA0603<br>RG 100R +-1% TK100 0603   | RG 0009.5334.00 | PHILIPS_CO   | RC 22 H     |              |
| R320          | SMD RESISTOR EIA0603<br>RG 825R +-1% TK100 0603   | 0010.8391.00    | PHILIPS_CO   | RC 22 H     |              |
| R321          | SMD RESISTOR EIA0603<br>RG 470R +-1% TK100 0603   | 0009.6976.00    | DRALORIC     | CR 0603     |              |
| R322          | SMD RESISTOR EIA0603<br>RG 470R +-1% TK100 0603   | 0009.6976.00    | DRALORIC     | CR 0603     |              |
| R323          | SMD RESISTOR EIA0603<br>RG 1K5 +-1% TK100 0603    | 0009.6999.00    | DRALORIC     | CR 0603     |              |
| R324          | SMD RESISTOR EIA0603<br>RG 3K3 +-1% TK100 0603    | 0009.7014.00    | DRALORIC     | CR 0603     |              |
| R325          | SMD RESISTOR EIA0603<br>RG 5K62 +-1% TK100 0603   | 0010.8433.00    | DRALORIC     | CR 0603     |              |
| R326          | SMD RESISTOR EIA0603<br>RG 51,0 OHM+-1%TK100 0603 | 0009.9030.00    | DRALORIC     | CR 0603     |              |
| R327          | SMD RESISTOR EIA0603<br>RG 470R +-1% TK100 0603   | 0009.6976.00    | DRALORIC     | CR 0603     |              |
| R328          | SMD RESISTOR EIA0603<br>RG 4K7 +-1% TK100 0603    | 0009.7020.00    | PHILIPS_CO   | RC 22 H     |              |
| R329          | SMD RESISTOR EIA0603<br>RG 470R +-1% TK100 0603   | 0009.6976.00    | DRALORIC     | CR 0603     |              |
| ..331         | SMD RESISTOR EIA0603                              |                 |              |             |              |
| R332          | RG 100R +-1% TK100 0603                           | RG 0009.5334.00 | PHILIPS_CO   | RC 22 H     |              |
| R333          | SMD RESISTOR EIA0603<br>RG 10K +-1% TK100 0603    | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H     |              |
| R334          | SMD RESISTOR EIA0603<br>RG 470R +-1% TK100 0603   | 0009.6976.00    | DRALORIC     | CR 0603     |              |
| R335          | SMD RESISTOR EIA0603<br>RG 470R +-1% TK100 0603   | 0009.6976.00    | DRALORIC     | CR 0603     |              |
| R336          | SMD RESISTOR EIA0603<br>RG 0-OHM WIDERSTAND 0603  | 0009.9369.00    | PHILIPS_CO   | RC21 0 OHM  |              |
| R337          | SMD RESISTOR EIA0603<br>RG 220R +-1% TK100 0603   | 0009.6953.00    | DRALORIC     | CR 0603     |              |
| R338          | SMD RESISTOR EIA0603<br>RG 220R +-1% TK100 0603   | 0009.6953.00    | DRALORIC     | CR 0603     |              |
| R339          | SMD RESISTOR EIA0603<br>RG 150R +-1% TK100 0603   | 0009.6947.00    | PHILIPS_CO   | RC 22 H     |              |
| R340          | SMD RESISTOR EIA0603<br>RG 825R +-1% TK100 0603   | 0010.8391.00    | PHILIPS_CO   | RC 22 H     |              |
| R341          | SMD RESISTOR EIA0603<br>RG 470R +-1% TK100 0603   | 0009.6976.00    | DRALORIC     | CR 0603     |              |
| ..343         | SMD RESISTOR EIA0603                              |                 |              |             |              |
| R344          | RG 20K +-1% TK100 0603                            | 0010.9100.00    | PHILIPS_CO   | RC 22 H     |              |
| R345          | SMD RESISTOR EIA0603<br>RG 10K +-1% TK100 0603    | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H     |              |
| R346          | SMD RESISTOR EIA0603<br>RG 6K8 +-1% TK100 0603    | 0009.7037.00    | DRALORIC     | CR 0603     |              |
| R347          | SMD RESISTOR EIA0603<br>RG 4K7 +-1% TK100 0603    | 0009.7020.00    | PHILIPS_CO   | RC 22 H     |              |
| R348          | SMD RESISTOR EIA0603<br>RG 20,0KOH+-0,1%TK25 1206 | 0009.7643.00    | PHILIPS_CO   | MPC 01      |              |
| R349          | SMD-RESISTOR<br>RG 100R +-1% TK100 0603           | RG 0009.5334.00 | PHILIPS_CO   | RC 22 H     |              |
| R350          | SMD RESISTOR EIA0603<br>RG 100R +-1% TK100 0603   | RG 0009.5334.00 | PHILIPS_CO   | RC 22 H     |              |
| R351          | SMD RESISTOR EIA0603<br>RG 30,1 OHM+-1%TK100 0603 | 0009.9081.00    | PHILIPS_CO   | RC 22 H     |              |
| R352          | SMD RESISTOR EIA0603<br>RG 100R +-1% TK100 0603   | RG 0009.5334.00 | PHILIPS_CO   | RC 22 H     |              |
| R353          | SMD RESISTOR EIA0603<br>RG 30,1 OHM+-1%TK100 0603 | 0009.9081.00    | PHILIPS_CO   | RC 22 H     |              |
| R354          | SMD RESISTOR EIA0603<br>RG 825R +-1% TK100 0603   | 0010.8391.00    | PHILIPS_CO   | RC 22 H     |              |
| R355          | SMD RESISTOR EIA0603<br>RG 150R +-1% TK100 0603   | 0009.6947.00    | PHILIPS_CO   | RC 22 H     |              |
| R356          | SMD RESISTOR EIA0603<br>RG 18,2KOH+-0,1%TK25 1206 | 0009.7637.00    | PHILIPS_CO   | MPC 01      |              |
| R357          | SMD-RESISTOR<br>RG 110 OHM+-1%TK100 0603          | 0009.9481.00    | DRALORIC     | CR 0603     |              |
| R358          | SMD RESISTOR EIA0603<br>RG 150R +-1% TK100 0603   | 0009.6947.00    | PHILIPS_CO   | RC 22 H     |              |
| R359          | SMD RESISTOR EIA0603<br>RG 182 OHM+-1%TK100 0603  | 0009.9130.00    | DRALORIC     | CR 0603     |              |

| 1GPK                                                                                | 887 3PLU                   | Äl | Datum<br>Date | Schaltteilliste für<br>Parts list for | Sachnummer<br>Stock No. | Blatt-Nr.<br>Page |
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|  | <b>ROHDE &amp; SCHWARZ</b> | 68 | 07.10.99      | EE IQ-MODULATOR<br>IQ-MODULATOR       | <b>1084.9800.01 SA</b>  | 27+               |

| Kennz.<br>Comp. No. | Benennung<br>Designation                     | Stock No. | Manufacturer    | Designation           | contained in |
|---------------------|----------------------------------------------|-----------|-----------------|-----------------------|--------------|
| R360                | RG 100R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5334.00 | PHILIPS_CO RC 22 H    |              |
| R361                | RG 392K+-1% TK100<br>RESISTOR                | 0603      | 1097.6528.00    | DRALORIC CR 0603      |              |
| R362                | RG 330K +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0009.7114.00    | PHILIPS_CO RC 22 H    |              |
| R363                | RG 33R +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.6918.00    | DRALORIC CR 0603      |              |
| R364                | RG 100R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5334.00 | PHILIPS_CO RC 22 H    |              |
| R365                | RG 68R +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.6930.00    | DRALORIC CR 0603      |              |
| R366                | RG 82,5 OHM+-1%TK100<br>SMD RESISTOR EIA0603 | 0603      | 0009.9052.00    | DRALORIC CR 0603      |              |
| R367                | RG 100R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5334.00 | PHILIPS_CO RC 22 H    |              |
| R368                | RG 100R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5334.00 | PHILIPS_CO RC 22 H    |              |
| R369                | RG 100 OHM+-0,1%TK25<br>SMD-RESISTOR         | 1206      | 0009.8033.00    | PHILIPS_CO MPC 01     |              |
| ..376               |                                              |           |                 |                       |              |
| R377                | RG 100R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5334.00 | PHILIPS_CO RC 22 H    |              |
| R378                | RG 100R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5334.00 | PHILIPS_CO RC 22 H    |              |
| R379                | RG 33R +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.6918.00    | DRALORIC CR 0603      |              |
| R380                | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H    |              |
| R381                | RG 3K92 +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0010.8427.00    | PHILIPS_CO RC 22 H    |              |
| R382                | RG 33R +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.6918.00    | DRALORIC CR 0603      |              |
| R383                | RG 3K92 +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0010.8427.00    | PHILIPS_CO RC 22 H    |              |
| R384                | RG 47R +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.6924.00    | PHILIPS_CO RC 22 H    |              |
| R385                | RG 1,0 KO +-0,1%TK25<br>SMD-RESISTOR         | 1206      | 0009.7595.00    | PHILIPS_CO MPC 01     |              |
| R386                | RG 22R +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.6901.00    | DRALORIC CR 0603      |              |
| R387                | RG 47R +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.6924.00    | PHILIPS_CO RC 22 H    |              |
| R388                | RG 825R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0010.8391.00    | PHILIPS_CO RC 22 H    |              |
| R389                | RG 825R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0010.8391.00    | PHILIPS_CO RC 22 H    |              |
| R390                | RG 5R62 +-1% TK250<br>SMD RESISTOR EIA0603   | 0603      | 0009.9100.00    | DRALORIC CR 0603      |              |
| R391                | RG 100R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5334.00 | PHILIPS_CO RC 22 H    |              |
| R392                | RG 47R +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.6924.00    | PHILIPS_CO RC 22 H    |              |
| R393                | RG 137 OHM+-0,1%TK25<br>SMD-RESISTOR EIA1206 | 1206      | 0009.9252.00    | PHILIPS_CO MPC 01     |              |
| R394                | RG 100R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5334.00 | PHILIPS_CO RC 22 H    |              |
| R395                | RG 100R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5334.00 | PHILIPS_CO RC 22 H    |              |
| R396                | RG 47R +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.6924.00    | PHILIPS_CO RC 22 H    |              |
| R397                | RG 100R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5334.00 | PHILIPS_CO RC 22 H    |              |
| R398                | RG 0-OHM WIDERSTAND<br>SMD RESISTOR EIA0603  | 0603      | 0009.9369.00    | PHILIPS_CO RC21 O OHM |              |
| R399                | RG 0-OHM WIDERSTAND<br>SMD RESISTOR EIA0603  | 0603      | 0009.9369.00    | PHILIPS_CO RC21 O OHM |              |
| R400                | RG 10R +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5328.00 | PHILIPS_CO RC 22 H    |              |
| R401                | RG 15R +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.6899.00    | DRALORIC CR 0603      |              |
| R402                | RG 100R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5334.00 | PHILIPS_CO RC 22 H    |              |
| R403                | RG 100R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5334.00 | PHILIPS_CO RC 22 H    |              |
| R404                | RG 10R +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5328.00 | PHILIPS_CO RC 22 H    |              |
| ..406               |                                              |           |                 |                       |              |
| R407                | RG 30,1 OHM+-1%TK100<br>SMD RESISTOR EIA0603 | 0603      | 0009.9081.00    | PHILIPS_CO RC 22 H    |              |

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|  |          | 68 | 07.10.99      | EE IQ-MODULATOR<br>IQ-MODULATOR       | <b>1084.9800.01 SA</b>  | 28+               |

| Comp. No. | Designation                                                        | Stock No.       | Manufacturer | Designation | contained in |
|-----------|--------------------------------------------------------------------|-----------------|--------------|-------------|--------------|
| R408      | RG 0-OHM WIDERSTAND 0603                                           | 0009.9369.00    | PHILIPS_CO   | RC21 0 OHM  |              |
| R409      | SMD RESISTOR EIA0603<br>RG 10,0KOH+-0,1%TK25 1206                  | 0009.7666.00    | PHILIPS_CO   | MPC 01      |              |
| R409      | SMD-RESISTOR<br>NUR VAR/ONLY MOD: 02<br>RG 10,0KOH+-0,1%TK25 1206  | 0009.7666.00    | PHILIPS_CO   | MPC 01      |              |
| R409      | SMD-RESISTOR<br>NUR VAR/ONLY MOD: 04<br>RG 10,0KOH+-0,1%TK25 1206  | 0009.7666.00    | PHILIPS_CO   | MPC 01      |              |
| R409      | SMD-RESISTOR<br>NUR VAR/ONLY MOD: 06<br>RG 7,5KOHM+-1%TK100 1206   | RG 0007.0764.00 | PHILIPS_CO   | RC02        |              |
| R410      | RG CHIP RESISTOR<br>NUR VAR/ONLY MOD: 08<br>RG 4K7 +-1% TK100 0603 | 0009.7020.00    | PHILIPS_CO   | RC 22 H     |              |
| R411      | SMD RESISTOR EIA0603<br>RG 470K +-1% TK100 0603                    | 0009.7120.00    | PHILIPS_CO   | RC 22 H     |              |
| R412      | SMD RESISTOR EIA0603<br>RG 10R +-1% TK100 0603                     | RG 0009.5328.00 | PHILIPS_CO   | RC 22 H     |              |
| R413      | SMD RESISTOR EIA0603<br>RG 100R +-1% TK100 0603                    | RG 0009.5334.00 | PHILIPS_CO   | RC 22 H     |              |
| R414      | SMD RESISTOR EIA0603<br>RG 4R75 +-1% TK250 0603                    | 0010.8379.00    | PHILIPS_CO   | RC 22 H     |              |
| R415      | SMD RESISTOR EIA0603<br>RG 182 OHM+-1%TK100 0603                   | 0009.9130.00    | DRALORIC     | CR 0603     |              |
| R416      | SMD RESISTOR EIA0603<br>RG 0-OHM WIDERSTAND 0603                   | 0009.9369.00    | PHILIPS_CO   | RC21 0 OHM  |              |
| R417      | SMD RESISTOR EIA0603<br>RG 15R +-1% TK100 0603                     | 0009.6899.00    | DRALORIC     | CR 0603     |              |
| R418      | SMD RESISTOR EIA0603<br>RG 30,1 OHM+-1%TK100 0603                  | 0009.9081.00    | PHILIPS_CO   | RC 22 H     |              |
| R419      | SMD RESISTOR EIA0603<br>RG 30,1 OHM+-1%TK100 0603                  | 0009.9081.00    | PHILIPS_CO   | RC 22 H     |              |
| R420      | SMD RESISTOR EIA0603<br>RG 1K82 +-1% TK100 0603                    | 0010.8404.00    | PHILIPS_CO   | RC 22 H     |              |
| R421      | SMD RESISTOR EIA0603<br>RG 1K82 +-1% TK100 0603                    | 0010.8404.00    | PHILIPS_CO   | RC 22 H     |              |
| R422      | SMD RESISTOR EIA0603<br>RG 1M0 +-1% TK100 0603                     | RG 0009.5370.00 | DRALORIC     | CR 0603     |              |
| R423      | SMD RESISTOR EIA0603<br>RG 47R +-1% TK100 0603                     | 0009.6924.00    | PHILIPS_CO   | RC 22 H     |              |
| R430      | SMD RESISTOR EIA0603<br>RG 100R +-1% TK100 0603                    | RG 0009.5334.00 | PHILIPS_CO   | RC 22 H     |              |
| R431      | SMD RESISTOR EIA0603<br>RG 100R +-1% TK100 0603                    | RG 0009.5334.00 | PHILIPS_CO   | RC 22 H     |              |
| R432      | SMD RESISTOR EIA0603<br>RG 22R +-1% TK100 0603                     | 0009.6901.00    | DRALORIC     | CR 0603     |              |
| R433      | SMD RESISTOR EIA0603<br>RG 5R62 +-1% TK250 0603                    | 0009.9100.00    | DRALORIC     | CR 0603     |              |
| R434      | SMD RESISTOR EIA0603<br>RG 5K11 +-1% TK100 0603                    | 1097.6334.00    | PHILIPS_CO   | RC 22 H     |              |
| R435      | SMD RESISTOR EIA0603<br>RG 1K82 +-1% TK100 0603                    | 0010.8404.00    | PHILIPS_CO   | RC 22 H     |              |
| R436      | SMD RESISTOR EIA0603<br>RG 2K74 +-1% TK100 0603                    | 0010.8410.00    | PHILIPS_CO   | RC 22 H     |              |
| R437      | SMD RESISTOR EIA0603<br>RG 301R +-1%TK100 0603                     | 0009.9123.00    | PHILIPS_CO   | RC 22 H     |              |
| R438      | SMD RESISTOR EIA0603<br>RG 301R +-1%TK100 0603                     | 0009.9123.00    | PHILIPS_CO   | RC 22 H     |              |
| R439      | SMD RESISTOR EIA0603<br>RG 220R +-1% TK100 0603                    | 0009.6953.00    | DRALORIC     | CR 0603     |              |
| R440      | SMD RESISTOR EIA0603<br>RG 825R +-1% TK100 0603                    | 0010.8391.00    | PHILIPS_CO   | RC 22 H     |              |
| R441      | SMD RESISTOR EIA0603<br>RG 825R +-1% TK100 0603                    | 0010.8391.00    | PHILIPS_CO   | RC 22 H     |              |
| R442      | SMD RESISTOR EIA0603<br>RG 270R +-1% TK100 0603                    | 0010.9581.00    | PHILIPS_CO   | RC 22 H     |              |
| R443      | SMD RESISTOR EIA0603<br>RG 270R +-1% TK100 0603                    | 0010.9581.00    | PHILIPS_CO   | RC 22 H     |              |
| R444      | SMD RESISTOR EIA0603<br>RG 182 OHM+-1%TK100 0603                   | 0009.9130.00    | DRALORIC     | CR 0603     |              |
| R445      | SMD RESISTOR EIA0603<br>RG 150K +-1% TK100 0603                    | 0009.7095.00    | PHILIPS_CO   | RC 22 H     |              |
| R446      | SMD RESISTOR EIA0603<br>RG 470K +-1% TK100 0603                    | 0009.7120.00    | PHILIPS_CO   | RC 22 H     |              |
| R447      | SMD RESISTOR EIA0603<br>RG 150R +-1% TK100 0603                    | 0009.6947.00    | PHILIPS_CO   | RC 22 H     |              |

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| 1GPK                                                                                | 887 3PLU                   | Äi | Datum<br>Date | Schaltteilliste für<br>Parts list for | Sachnummer<br>Stock No. | Blatt-Nr.<br>Page |
|-------------------------------------------------------------------------------------|----------------------------|----|---------------|---------------------------------------|-------------------------|-------------------|
|  | <b>ROHDE &amp; SCHWARZ</b> | 68 | 07.10.99      | EE IQ-MODULATOR<br>IQ-MODULATOR       | <b>1084.9800.01 SA</b>  | 29+               |

| Kennz.<br>Comp. No. | Benennung<br>Designation                          | Sachnummer<br>Stock No. | Manufacturer | Designation | contained in |
|---------------------|---------------------------------------------------|-------------------------|--------------|-------------|--------------|
| R448                | RG 8R25 +-1% TK250 0603<br>SMD RESISTOR EIA0603   | 0009.9117.00            | DRALORIC     | CR 0603     |              |
| R449                | RG 150R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0009.6947.00            | PHILIPS_CO   | RC 22 H     |              |
| R450                | RG 10R +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5328.00         | PHILIPS_CO   | RC 22 H     |              |
| R451                | RG 10R +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5328.00         | PHILIPS_CO   | RC 22 H     |              |
| R452                | RG 0-OHM WIDERSTAND 0603<br>SMD RESISTOR EIA0603  | 0009.9369.00            | PHILIPS_CO   | RC21 0 OHM  |              |
| R453                | RG 0-OHM WIDERSTAND 0603<br>SMD RESISTOR EIA0603  | 0009.9369.00            | PHILIPS_CO   | RC21 0 OHM  |              |
| R454                | RG 10R +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5328.00         | PHILIPS_CO   | RC 22 H     |              |
| R456                | RG 470R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0009.6976.00            | DRALORIC     | CR 0603     |              |
| R457                | RG 100R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | RG 0009.5334.00         | PHILIPS_CO   | RC 22 H     |              |
| R458                | RG 10R +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5328.00         | PHILIPS_CO   | RC 22 H     |              |
| R459                | RG 100R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | RG 0009.5334.00         | PHILIPS_CO   | RC 22 H     |              |
| R460                | RG 100R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | RG 0009.5334.00         | PHILIPS_CO   | RC 22 H     |              |
| R461                | RG 100R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0009.9369.00            | PHILIPS_CO   | RC21 0 OHM  |              |
| R462                | RG 0-OHM WIDERSTAND 0603<br>SMD RESISTOR EIA0603  | 0009.9369.00            | PHILIPS_CO   | RC21 0 OHM  |              |
| R463                | RG 0-OHM WIDERSTAND 0603<br>SMD RESISTOR EIA0603  | 0009.6930.00            | DRALORIC     | CR 0603     |              |
| R464                | RG 68R +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.6953.00            | DRALORIC     | CR 0603     |              |
| R465                | RG 220R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | RG 0009.5328.00         | PHILIPS_CO   | RC 22 H     |              |
| R466                | RG 10R +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5328.00         | PHILIPS_CO   | RC 22 H     |              |
| R467                | RG 2K2 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.7008.00            | PHILIPS_CO   | RC 22 H     |              |
| R468                | RG 220R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0009.6953.00            | DRALORIC     | CR 0603     |              |
| R469                | RG 100R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | RG 0009.5334.00         | PHILIPS_CO   | RC 22 H     |              |
| R470                | RG 301R +-1%TK100 0603<br>SMD RESISTOR EIA0603    | 0009.9123.00            | PHILIPS_CO   | RC 22 H     |              |
| R471                | RG 1K0 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5340.00         | PHILIPS_CO   | RC 22 H     |              |
| R472                | RG 5R62 +-1% TK250 0603<br>SMD RESISTOR EIA0603   | 0009.9100.00            | DRALORIC     | CR 0603     |              |
| R473                | RG 220R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0009.6953.00            | DRALORIC     | CR 0603     |              |
| R474                | RG 1K0 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5340.00         | PHILIPS_CO   | RC 22 H     |              |
| R475                | RG 0-OHM WIDERSTAND 0603<br>SMD RESISTOR EIA0603  | 0009.9369.00            | PHILIPS_CO   | RC21 0 OHM  |              |
| R476                | RG 100R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | RG 0009.5334.00         | PHILIPS_CO   | RC 22 H     |              |
| R477                | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5357.00         | PHILIPS_CO   | RC 22 H     |              |
| R478                | RG 5R62 +-1% TK250 0603<br>SMD RESISTOR EIA0603   | 0009.9100.00            | DRALORIC     | CR 0603     |              |
| R479                | RG 30,1 OHM+-1%TK100 0603<br>SMD RESISTOR EIA0603 | 0009.9081.00            | PHILIPS_CO   | RC 22 H     |              |
| R480                | RG 30,1 OHM+-1%TK100 0603<br>SMD RESISTOR EIA0603 | 0009.9081.00            | PHILIPS_CO   | RC 22 H     |              |
| R481                | RG 4R75 +-1% TK250 0603<br>SMD RESISTOR EIA0603   | 0010.8379.00            | PHILIPS_CO   | RC 22 H     |              |
| R482                | RG 5R62 +-1% TK250 0603<br>SMD RESISTOR EIA0603   | 0009.9100.00            | DRALORIC     | CR 0603     |              |
| R483                | RG 1K0 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5340.00         | PHILIPS_CO   | RC 22 H     |              |
| R484                | RG 18R2 +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0010.8385.00            | DRALORIC     | CR 0603     |              |
| R485                | RG 1K0 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5340.00         | PHILIPS_CO   | RC 22 H     |              |
| R486                | RG 5R62 +-1% TK250 0603<br>SMD RESISTOR EIA0603   | 0009.9100.00            | DRALORIC     | CR 0603     |              |
| R487                | RG 5R62 +-1% TK250 0603<br>SMD RESISTOR EIA0603   | 0009.9100.00            | DRALORIC     | CR 0603     |              |
| R488                | RG 5R62 +-1% TK250 0603<br>SMD RESISTOR EIA0603   |                         |              |             |              |

|                                                                                                                   |          |          |                                     |                                       |                         |                   |
|-------------------------------------------------------------------------------------------------------------------|----------|----------|-------------------------------------|---------------------------------------|-------------------------|-------------------|
| 1GPK                                                                                                              | 887 3PLU | ÄI       | Datum<br>Date                       | Schaltteilliste für<br>Parts list for | Sachnummer<br>Stock No. | Blatt-Nr.<br>Page |
| <br><b>ROHDE &amp; SCHWARZ</b> | 68       | 07.10.99 | EE IQ-MODULATOR<br><br>IQ-MODULATOR | <b>1084.9800.01 SA</b>                | 30+                     |                   |

| Comp. No. | Designation                                  | Stock No. | Manufacturer    | Designation             | contained in |
|-----------|----------------------------------------------|-----------|-----------------|-------------------------|--------------|
| R489      | RG 47K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.7072.00    | PHILIPS_CO RC 22 H      |              |
| R490      | RG 1K82 +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0010.8404.00    | PHILIPS_CO RC 22 H      |              |
| R491      | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H      |              |
| R492      | RG 100K +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5363.00 | DRALORIC CR 0603        |              |
| R493      | RG 825R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0010.8391.00    | PHILIPS_CO RC 22 H      |              |
| R494      | RG 392R+-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0010.9300.00    | PHILIPS_CO RC 22 H      |              |
| R495      | RG 392R+-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0010.9300.00    | PHILIPS_CO RC 22 H      |              |
| R496      | RG 3K92 +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0010.8427.00    | PHILIPS_CO RC 22 H      |              |
| R497      | RG 5K62 +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0010.8433.00    | DRALORIC CR 0603        |              |
| R498      | RG 100K +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5363.00 | DRALORIC CR 0603        |              |
| R499      | RG 20K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0010.9100.00    | PHILIPS_CO RC 22 H      |              |
| R500      | RG 6K8 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.7037.00    | DRALORIC CR 0603        |              |
| R501      | RG 100,0K0+-0,1%TK25<br>SMD-RESISTOR EIA1206 | 1206      | 0010.0655.00    | PHILIPS_CO MPC 01       |              |
| R502      | RG 100,0K0+-0,1%TK25<br>SMD-RESISTOR EIA1206 | 1206      | 0010.0655.00    | PHILIPS_CO MPC 01       |              |
| R503      | RG 4,75K0H+-0,1%TK25<br>SMD-RESISTOR EIA1206 | 1206      | 0009.8856.00    | PHILIPS_CO MPC 01       |              |
| R504      | RG 2,49K0H+-0,1%TK25<br>SMD-RESISTOR EIA1206 | 1206      | 0009.8133.00    | PHILIPS_CO MPC 01       |              |
| R505      | RG 22R +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.6901.00    | DRALORIC CR 0603        |              |
| R506      | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H      |              |
| R507      | RG 825R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0010.8391.00    | PHILIPS_CO RC 22 H      |              |
| R508      | RG 432R +-1%TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.9098.00    | DRALORIC CR 0603        |              |
| R509      | RG 432R +-1%TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.9098.00    | DRALORIC CR 0603        |              |
| R510      | RG 825R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0010.8391.00    | PHILIPS_CO RC 22 H      |              |
| R511      | RG 162 OHM+-1%TK100<br>SMD RESISTOR EIA0603  | 0603      | 0009.9500.00    | PHILIPS_CO RC 22 H      |              |
| R512      | RG 100R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5334.00 | PHILIPS_CO RC 22 H      |              |
| R513      | RG 220R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0009.6953.00    | DRALORIC CR 0603        |              |
| R514      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H      |              |
| R515      | RG 47K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.7072.00    | PHILIPS_CO RC 22 H      |              |
| R516      | RS 0,25W 5K0HM +-20%<br>POTENTIOMETER        | SMD       | RS 0007.9632.00 | BI_TECHNOL 23 B R... TR |              |
| R517      | RG 100K +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5363.00 | DRALORIC CR 0603        |              |
| R518      | RG 100K +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5363.00 | DRALORIC CR 0603        |              |
| R519      | RG 330R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0009.6960.00    | DRALORIC CR 0603        |              |
| R520      | RG 15K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.7043.00    | DRALORIC CR 0603        |              |
| R521      | RG 15K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.7043.00    | DRALORIC CR 0603        |              |
| R522      | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H      |              |
| R523      | RG 100R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5334.00 | PHILIPS_CO RC 22 H      |              |
| R524      | RG 121 OHM+-1%TK100<br>SMD RESISTOR EIA0603  | 0603      | 0009.9498.00    | DRALORIC CR 0603        |              |
| ..527     | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H      |              |
| R528      | RG 220R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0009.6953.00    | DRALORIC CR 0603        |              |
| R529      | RG 220R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0009.6953.00    | DRALORIC CR 0603        |              |
| R530      | RG 220R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0009.6953.00    | DRALORIC CR 0603        |              |

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| 1GPK                                                                                | 887 3PLU                   | Äi | Datum<br>Date | Schaltteilliste für<br>Parts list for | Sachnummer<br>Stock No. | Blatt-Nr.<br>Page |
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|  | <b>ROHDE &amp; SCHWARZ</b> | 68 | 07.10.99      | EE IQ-MODULATOR<br>IQ-MODULATOR       | <b>1084.9800.01 SA</b>  | 31+               |

| Kennz.<br>Comp. No. | Bezeichnung<br>Designation                   | Stock No. | Manufacturer    | Designation        | contained in |
|---------------------|----------------------------------------------|-----------|-----------------|--------------------|--------------|
| R531                | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H |              |
| R532                | RG 100K +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5363.00 | DRALORIC CR 0603   |              |
| R533                | RG 150R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0009.6947.00    | PHILIPS_CO RC 22 H |              |
| R534                | RG 150R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0009.6947.00    | PHILIPS_CO RC 22 H |              |
| R535                | RG 10R +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5328.00 | PHILIPS_CO RC 22 H |              |
| R536                | RG 560R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0009.9630.00    | DRALORIC CR 0603   |              |
| ..539               | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H |              |
| R540                | RG 100R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5334.00 | PHILIPS_CO RC 22 H |              |
| R541                | RG 100R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5334.00 | PHILIPS_CO RC 22 H |              |
| R542                | RG 47K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.7072.00    | PHILIPS_CO RC 22 H |              |
| R543                | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H |              |
| R544                | RG 1,62KOHM+-1%TK100<br>CHIP RESISTOR        | 1206      | RG 0006.9997.00 | DRALORIC CR 1206   |              |
| R545                | RG 2K2 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.7008.00    | PHILIPS_CO RC 22 H |              |
| ..548               | RG 4K7 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.7020.00    | PHILIPS_CO RC 22 H |              |
| R549                | RG 1,62KOHM+-1%TK100<br>CHIP RESISTOR        | 1206      | RG 0006.9997.00 | DRALORIC CR 1206   |              |
| R550                | RG 8R25 +-1% TK250<br>SMD RESISTOR EIA0603   | 0603      | 0009.9117.00    | DRALORIC CR 0603   |              |
| R551                | RG 8R25 +-1% TK250<br>SMD RESISTOR EIA0603   | 0603      | 0009.9117.00    | DRALORIC CR 0603   |              |
| R552                | RG 5R62 +-1% TK250<br>SMD RESISTOR EIA0603   | 0603      | 0009.9100.00    | DRALORIC CR 0603   |              |
| R553                | RG 5R62 +-1% TK250<br>SMD RESISTOR EIA0603   | 0603      | 0009.9100.00    | DRALORIC CR 0603   |              |
| R554                | RG 12K1 +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0010.8462.00    | DRALORIC CR 0603   |              |
| R555                | RG 432R +-1%TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.9098.00    | DRALORIC CR 0603   |              |
| R556                | RG 47R +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.6924.00    | PHILIPS_CO RC 22 H |              |
| ..559               | RG 20,0KOH+-0,1%TK25<br>SMD-RESISTOR         | 1206      | 0009.7643.00    | PHILIPS_CO MPC 01  |              |
| R560                | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H |              |
| R561                | RG 2K2 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.7008.00    | PHILIPS_CO RC 22 H |              |
| ..563               | RG 1,0 KO +-0,1%TK25<br>SMD-RESISTOR         | 1206      | 0009.7595.00    | PHILIPS_CO MPC 01  |              |
| R564                | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H |              |
| R565                | RG 3,16KOH+-0,1%TK25<br>SMD-RESISTOR EIA1206 | 1206      | 0009.8204.00    | PHILIPS_CO MPC 01  |              |
| R566                | RG 3,12KOH+-0,1%TK25<br>RESISTOR             | 1206      | 0010.2735.00    | PHILIPS_CO MPC 01  |              |
| R567                | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H |              |
| ..571               | RG 10R +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5328.00 | PHILIPS_CO RC 22 H |              |
| R572                | RG 100R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5334.00 | PHILIPS_CO RC 22 H |              |
| R573                | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H |              |
| R574                | RG 51,0 OHM+-1%TK100<br>SMD RESISTOR EIA0603 | 0603      | 0009.9030.00    | DRALORIC CR 0603   |              |
| ..585               | RG 20,0KOH+-0,1%TK25<br>SMD-RESISTOR         | 1206      | 0009.7643.00    | PHILIPS_CO MPC 01  |              |
| R586                | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H |              |
| R587                | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H |              |
| R588                | RG 20K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0010.9100.00    | PHILIPS_CO RC 22 H |              |
| R589                | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H |              |
| R590                | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H |              |
| R591                | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H |              |
| R592                | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H |              |
| R593                | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H |              |
| R594                | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H |              |
| ..596               |                                              |           |                 |                    |              |



| Comp. No. | Designation                                  | Stock No. | Manufacturer    | Designation           | contained in |
|-----------|----------------------------------------------|-----------|-----------------|-----------------------|--------------|
| R597      | RG 100R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5334.00 | PHILIPS_CO RC 22 H    |              |
| R598      | RG 1K0 +-1% TK100                            | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H    |              |
| .607      | SMD RESISTOR EIA0603                         |           |                 |                       |              |
| R608      | RG 0-OHM WIDERSTAND<br>SMD RESISTOR EIA0603  | 0603      | 0009.9369.00    | PHILIPS_CO RC21 0 OHM |              |
| R609      | RG 10R +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5328.00 | PHILIPS_CO RC 22 H    |              |
| R610      | RG 10R +-1% TK100                            | 0603      | RG 0009.5328.00 | PHILIPS_CO RC 22 H    |              |
| .613      | SMD RESISTOR EIA0603                         |           |                 |                       |              |
| R614      | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H    |              |
| R615      | RG 10R +-1% TK100                            | 0603      | RG 0009.5328.00 | PHILIPS_CO RC 22 H    |              |
| R616      | SMD RESISTOR EIA0603<br>RG 470R +-1% TK100   | 0603      | 0009.6976.00    | DRALORIC CR 0603      |              |
| R617      | SMD RESISTOR EIA0603<br>RG 1K0 +-1% TK100    | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H    |              |
| R618      | SMD RESISTOR EIA0603<br>RG 1K0 +-1% TK100    | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H    |              |
| R619      | SMD RESISTOR EIA0603<br>RG 30K1+-1% TK100    | 0603      | 0010.9281.00    | PHILIPS_CO RC 22 H    |              |
| R620      | SMD RESISTOR EIA0603<br>RG 20K +-1% TK100    | 0603      | 0010.9100.00    | PHILIPS_CO RC 22 H    |              |
| R621      | SMD RESISTOR EIA0603<br>RG 470R +-1% TK100   | 0603      | 0009.6976.00    | DRALORIC CR 0603      |              |
| R622      | SMD RESISTOR EIA0603<br>RG 30K1+-1% TK100    | 0603      | 0010.9281.00    | PHILIPS_CO RC 22 H    |              |
| R623      | SMD RESISTOR EIA0603<br>RG 47K +-1% TK100    | 0603      | 0009.7072.00    | PHILIPS_CO RC 22 H    |              |
| R624      | SMD RESISTOR EIA0603<br>RG 30K1+-1% TK100    | 0603      | 0010.9281.00    | PHILIPS_CO RC 22 H    |              |
| R625      | SMD RESISTOR EIA0603<br>RG 0-OHM WIDERSTAND  | 0603      | 0009.9369.00    | PHILIPS_CO RC21 0 OHM |              |
| R626      | SMD RESISTOR EIA0603<br>RG 0-OHM WIDERSTAND  | 0603      | 0009.9369.00    | PHILIPS_CO RC21 0 OHM |              |
| R628      | SMD RESISTOR EIA0603<br>RG 1K0 +-1% TK100    | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H    |              |
| R629      | SMD RESISTOR EIA0603<br>RG 5R62 +-1% TK250   | 0603      | 0009.9100.00    | DRALORIC CR 0603      |              |
| R630      | SMD RESISTOR EIA0603<br>RG 1K0 +-1% TK100    | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H    |              |
| .637      | SMD RESISTOR EIA0603                         |           |                 |                       |              |
| R638      | RG 1,1KOHM+-0,1%TK25<br>SMD-RESISTOR EIA1206 | 1206      | 0009.8127.00    | PHILIPS_CO MPC 01     |              |
| R639      | RG 10R +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5328.00 | PHILIPS_CO RC 22 H    |              |
| R640      | RG 3K3 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.7014.00    | DRALORIC CR 0603      |              |
| R641      | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H    |              |
| R642      | RG 2K2 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.7008.00    | PHILIPS_CO RC 22 H    |              |
| R643      | RG 2K2 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.7008.00    | PHILIPS_CO RC 22 H    |              |
| R644      | RG 3K3 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.7014.00    | DRALORIC CR 0603      |              |
| R645      | RG 10R +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5328.00 | PHILIPS_CO RC 22 H    |              |
| R646      | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H    |              |
| R647      | RG 5K62 +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0010.8433.00    | DRALORIC CR 0603      |              |
| R648      | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H    |              |
| .650      | SMD RESISTOR EIA0603                         |           |                 |                       |              |
| R651      | RG 3K92 +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0010.8427.00    | PHILIPS_CO RC 22 H    |              |
| R652      | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H    |              |
| .656      | SMD RESISTOR EIA0603                         |           |                 |                       |              |
| R657      | RG 2K2 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.7008.00    | PHILIPS_CO RC 22 H    |              |
| R658      | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H    |              |
| R659      | RG 825R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0010.8391.00    | PHILIPS_CO RC 22 H    |              |
| R660      | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H    |              |
| .662      | SMD RESISTOR EIA0603                         |           |                 |                       |              |
| R663      | RG 5K62 +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0010.8433.00    | DRALORIC CR 0603      |              |

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| 1GPK                                                                                                           | 887 | 3PLU | Äi | Datum<br>Date | Schaltteilliste für<br>Parts list for | Sachnummer<br>Stock No. | Blatt-Nr.<br>Page |
|  <b>ROHDE &amp; SCHWARZ</b> |     |      | 68 | 07. 10. 99    | EE IQ-MODULATOR<br><br>IQ-MODULATOR   | <b>1084.9800.01 SA</b>  | 33+               |

| Comp. No. | Benennung<br>Designation                          | Stock No.       | Sachnummer<br>Stock No. | Hersteller<br>Manufacturer | Bezeichnung<br>Designation | contained in |
|-----------|---------------------------------------------------|-----------------|-------------------------|----------------------------|----------------------------|--------------|
| R664      | RG 330R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0009.6960.00    | DRALORIC                | CR 0603                    |                            |              |
| R665      | RG 1K0 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5340.00 | PHILIPS_CO              | RC 22 H                    |                            |              |
| R666      | RG 1K0 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5340.00 | PHILIPS_CO              | RC 22 H                    |                            |              |
| R667      | RG 27,4KOH+-0,1%TK25 1206<br>SMD-RESISTOR EIA1206 | 0009.7743.00    | PHILIPS_CO              | MPC 01                     |                            |              |
| R668      | RG 560R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0009.9630.00    | DRALORIC                | CR 0603                    |                            |              |
| R669      | RG 470R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0009.6976.00    | DRALORIC                | CR 0603                    |                            |              |
| R669      | RG 330K +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0009.7114.00    | PHILIPS_CO              | RC 22 H                    |                            |              |
| R670      | RG 470R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0009.6976.00    | DRALORIC                | CR 0603                    |                            |              |
| R671      | RG 1K0 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5340.00 | PHILIPS_CO              | RC 22 H                    |                            |              |
| R672      | RG 5K62 +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0010.8433.00    | DRALORIC                | CR 0603                    |                            |              |
| R674      | RG 1K0 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5340.00 | PHILIPS_CO              | RC 22 H                    |                            |              |
| R676      | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5357.00 | PHILIPS_CO              | RC 22 H                    |                            |              |
| R677      | RG 2K0 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 1097.6328.00    | PHILIPS_CO              | RC 22 H                    |                            |              |
| R678      | RG 2K0 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 1097.6328.00    | PHILIPS_CO              | RC 22 H                    |                            |              |
| R679      | RG 2K0 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.7008.00    | PHILIPS_CO              | RC 22 H                    |                            |              |
| R680      | RG 2K2 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5340.00 | PHILIPS_CO              | RC 22 H                    |                            |              |
| R681      | RG 1K0 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5340.00 | PHILIPS_CO              | RC 22 H                    |                            |              |
| R682      | RG 1K0 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.9369.00    | PHILIPS_CO              | RC21 0 OHM                 |                            |              |
| R683      | RG 220K +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0009.7108.00    | DRALORIC                | CR 0603                    |                            |              |
| R684      | RG 150K +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0009.7095.00    | PHILIPS_CO              | RC 22 H                    |                            |              |
| R685      | RG 560R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0009.9630.00    | DRALORIC                | CR 0603                    |                            |              |
| R686      | RG 1,82KOHM+-1%TK100 1206<br>RESISTOR CHIP        | RG 0007.5720.00 | PHILIPS_CO              | RC02                       |                            |              |
| R688      | RG 0-OHM WIDERSTAND 0603<br>SMD RESISTOR EIA0603  | 0009.9369.00    | PHILIPS_CO              | RC21 0 OHM                 |                            |              |
| R689      | RG 0-OHM WIDERSTAND 0603<br>SMD RESISTOR EIA0603  | 0009.9369.00    | PHILIPS_CO              | RC21 0 OHM                 |                            |              |
| R690      | RG 1,82KOHM+-1%TK100 1206<br>RESISTOR CHIP        | RG 0007.5720.00 | PHILIPS_CO              | RC02                       |                            |              |
| R691      | RG 3K92 +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0010.8427.00    | PHILIPS_CO              | RC 22 H                    |                            |              |
| R692      | RG 3K3 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.7014.00    | DRALORIC                | CR 0603                    |                            |              |
| R693      | RG 3K92 +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0010.8427.00    | PHILIPS_CO              | RC 22 H                    |                            |              |
| R694      | RG 4K7 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.7020.00    | PHILIPS_CO              | RC 22 H                    |                            |              |
| R695      | RG 1K0 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5340.00 | PHILIPS_CO              | RC 22 H                    |                            |              |
| R711      | RG 560R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0009.9630.00    | DRALORIC                | CR 0603                    |                            |              |
| R712      | RG 150R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0009.6947.00    | PHILIPS_CO              | RC 22 H                    |                            |              |
| R713      | RG 220R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0009.6953.00    | DRALORIC                | CR 0603                    |                            |              |
| R714      | RG 51,0 OHM+-1%TK100 0603<br>SMD RESISTOR EIA0603 | 0009.9030.00    | DRALORIC                | CR 0603                    |                            |              |
| R715      | RG 8K25 +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0010.8456.00    | PHILIPS_CO              | RC 22 H                    |                            |              |
| R716      | RG 3K92 +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0010.8427.00    | PHILIPS_CO              | RC 22 H                    |                            |              |
| R717      | RG 1M0 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5370.00 | DRALORIC                | CR 0603                    |                            |              |
| R718      | RG 33K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.7066.00    | PHILIPS_CO              | RC 22 H                    |                            |              |
| R719      | RG 4,02KOH+-0,1%TK25 1206<br>SMD-RESISTOR EIA1206 | 0009.7814.00    | PHILIPS_CO              | MPC 01                     |                            |              |

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| 1GPK                                                                                                             | 887 3PLU | Äl       | Datum<br>Date                       | Schaltteilliste für<br>Parts list for | Sachnummer<br>Stock No. | Blatt-Nr<br>Page |
|------------------------------------------------------------------------------------------------------------------|----------|----------|-------------------------------------|---------------------------------------|-------------------------|------------------|
| <br><b>ROHDE &amp; SCHWARZ</b> | 68       | 07.10.99 | EE IQ-MODULATOR<br><br>IQ-MODULATOR | <b>1084.9800.01 SA</b>                | 34+                     |                  |

| Comp. No. | Designation                                       | Stock No.       | Manufacturer | Designation | contained in |
|-----------|---------------------------------------------------|-----------------|--------------|-------------|--------------|
| R720      | RG 20K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0010.9100.00    | PHILIPS_CO   | RC 22 H     |              |
| R721      | RG 3,48KOH+-0,1%TK25 1206<br>RESISTOR             | 0010.2870.00    | PHILIPS_CO   | MPC 01      |              |
| R722      | RG 2K2 +-1% TK100 0603                            | 0009.7008.00    | PHILIPS_CO   | RC 22 H     |              |
| ..726     | SMD RESISTOR EIA0603                              |                 |              |             |              |
| R727      | RG 4K7 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.7020.00    | PHILIPS_CO   | RC 22 H     |              |
| R728      | RG 392K+-1% TK100 0603<br>RESISTOR                | 1097.6528.00    | DRALORIC     | CR 0603     |              |
| R729      | RG 4K7 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.7020.00    | PHILIPS_CO   | RC 22 H     |              |
| R730      | RG 5R62 +-1% TK250 0603<br>SMD RESISTOR EIA0603   | 0009.9100.00    | DRALORIC     | CR 0603     |              |
| R731      | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H     |              |
| R732      | RG 0-OHM WIDERSTAND 0603<br>SMD RESISTOR EIA0603  | 0009.9369.00    | PHILIPS_CO   | RC21 0 OHM  |              |
| R733      | RG 4K7 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.7020.00    | PHILIPS_CO   | RC 22 H     |              |
| R734      | RG 4K7 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.7020.00    | PHILIPS_CO   | RC 22 H     |              |
| R735      | RG 4K7 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.7020.00    | PHILIPS_CO   | RC 22 H     |              |
| R736      | RG 4K7 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.7020.00    | PHILIPS_CO   | RC 22 H     |              |
| R737      | RG 4K7 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.7020.00    | PHILIPS_CO   | RC 22 H     |              |
| R738      | RG 4K7 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.7020.00    | PHILIPS_CO   | RC 22 H     |              |
| R739      | RG 4K7 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.7020.00    | PHILIPS_CO   | RC 22 H     |              |
| R740      | RG 4K7 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.7020.00    | PHILIPS_CO   | RC 22 H     |              |
| R741      | RG 4K7 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.7020.00    | PHILIPS_CO   | RC 22 H     |              |
| R742      | RG 4K7 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.7020.00    | PHILIPS_CO   | RC 22 H     |              |
| R743      | RG 4K7 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.7020.00    | PHILIPS_CO   | RC 22 H     |              |
| R744      | RG 4K7 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.7020.00    | PHILIPS_CO   | RC 22 H     |              |
| R745      | RG 4K7 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.7020.00    | PHILIPS_CO   | RC 22 H     |              |
| R746      | RG 4K7 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.7020.00    | PHILIPS_CO   | RC 22 H     |              |
| R747      | RG 4K7 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.7020.00    | PHILIPS_CO   | RC 22 H     |              |
| R748      | RG 4K7 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.7020.00    | PHILIPS_CO   | RC 22 H     |              |
| R749      | RG 4K7 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.7020.00    | PHILIPS_CO   | RC 22 H     |              |
| ..757     | SMD RESISTOR EIA0603                              |                 |              |             |              |
| R758      | RG 2K74 +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0010.8410.00    | PHILIPS_CO   | RC 22 H     |              |
| R759      | RG 2K74 +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0010.8410.00    | PHILIPS_CO   | RC 22 H     |              |
| R760      | RG 4K7 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.7020.00    | PHILIPS_CO   | RC 22 H     |              |
| ..763     | SMD RESISTOR EIA0603                              |                 |              |             |              |
| R764      | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H     |              |
| R765      | RG 4K7 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.7020.00    | PHILIPS_CO   | RC 22 H     |              |
| R766      | RG 2,0KOH+-0,1%TK25 1206<br>SMD-RESISTOR          | 0009.7608.00    | PHILIPS_CO   | MPC 01      |              |
| R767      | RG 5,36KOH+-0,1%TK25 1206<br>RESISTOR             | 0010.2912.00    | PHILIPS_CO   | MPC 01      |              |
| R768      | RG 4K7 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.7020.00    | PHILIPS_CO   | RC 22 H     |              |
| ..772     | SMD RESISTOR EIA0603                              |                 |              |             |              |
| R773      | RG 470R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0009.6976.00    | DRALORIC     | CR 0603     |              |
| R774      | RG 4K7 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.7020.00    | PHILIPS_CO   | RC 22 H     |              |
| R775      | RG 4K7 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.7020.00    | PHILIPS_CO   | RC 22 H     |              |
| R776      | RG 27,4KOH+-0,1%TK25 1206<br>SMD-RESISTOR EIA1206 | 0009.7743.00    | PHILIPS_CO   | MPC 01      |              |
| R777      | RG 35,7 OHM+-1%TK100 0603<br>SMD RESISTOR EIA0603 | 0009.9000.00    | PHILIPS_CO   | RC 22 H     |              |

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| 1GPK                                                                                                              | 887 3PLU | Äl         | Datum<br>Date                   | Schaltteilliste für<br>Parts list for | Sachnummer<br>Stock No. | Blatt-Nr.<br>Page |
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| <br><b>ROHDE &amp; SCHWARZ</b> | 68       | 07. 10. 99 | EE IQ-MODULATOR<br>IQ-MODULATOR | <b>1084.9800.01 SA</b>                | 35+                     |                   |

| Kennz.<br>Comp. No. | Benennung<br>Designation                     | Sachnummer<br>Stock No. | Hersteller<br>Manufacturer | Bezeichnung<br>Designation | contained in |
|---------------------|----------------------------------------------|-------------------------|----------------------------|----------------------------|--------------|
| R778                | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                    | RG 0009.5357.00            | PHILIPS_CO RC 22 H         |              |
| R779                | RG 100K +-1% TK100<br>SMD RESISTOR EIA0603   | 0603                    | RG 0009.5363.00            | DRALORIC CR 0603           |              |
| R780                | RG 35,7 OHM+-1%TK100<br>SMD RESISTOR EIA0603 | 0603                    | 0009.9000.00               | PHILIPS_CO RC 22 H         |              |
| R781                | RG 35,7 OHM+-1%TK100<br>SMD RESISTOR EIA0603 | 0603                    | 0009.9000.00               | PHILIPS_CO RC 22 H         |              |
| R782                | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                    | RG 0009.5357.00            | PHILIPS_CO RC 22 H         |              |
| R783                | RG 3K3 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                    | 0009.7014.00               | DRALORIC CR 0603           |              |
| R784                | RG 3K3 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                    | 0009.7014.00               | DRALORIC CR 0603           |              |
| R785                | RG 432R +-1%TK100<br>SMD RESISTOR EIA0603    | 0603                    | 0009.9098.00               | DRALORIC CR 0603           |              |
| R786                | RG 432R +-1%TK100<br>SMD RESISTOR EIA0603    | 0603                    | 0009.9098.00               | DRALORIC CR 0603           |              |
| R787                | RG 150R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603                    | 0009.6947.00               | PHILIPS_CO RC 22 H         |              |
| R788                | RG 150R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603                    | 0009.6947.00               | PHILIPS_CO RC 22 H         |              |
| R789                | RG 20K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                    | 0010.9100.00               | PHILIPS_CO RC 22 H         |              |
| R790                | RG 100,0K+-0,1%TK25<br>SMD-RESISTOR EIA1206  | 1206                    | 0010.0655.00               | PHILIPS_CO MPC 01          |              |
| R791                | RG 20,0KOH+-0,1%TK25<br>SMD-RESISTOR         | 1206                    | 0009.7643.00               | PHILIPS_CO MPC 01          |              |
| ..794               | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                    | RG 0009.5357.00            | PHILIPS_CO RC 22 H         |              |
| R795                | RG 20K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                    | 0010.9100.00               | PHILIPS_CO RC 22 H         |              |
| ..803               | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                    | RG 0009.5357.00            | PHILIPS_CO RC 22 H         |              |
| R804                | RG 3K3 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                    | 0009.7014.00               | DRALORIC CR 0603           |              |
| R805                | RS 0,25W 2KOHM +-20%<br>POTENTIOMETER        | SMD                     | RS 0007.9626.00            | BI_TECHNOL 23 B R... TR    |              |
| R806                | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                    | RG 0009.5340.00            | PHILIPS_CO RC 22 H         |              |
| R807                | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                    | RG 0009.5340.00            | PHILIPS_CO RC 22 H         |              |
| R808                | RG 18R2 +-1% TK100<br>SMD RESISTOR EIA0603   | 0603                    | 0010.8385.00               | DRALORIC CR 0603           |              |
| R809                | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                    | RG 0009.5340.00            | PHILIPS_CO RC 22 H         |              |
| R810                | RG 39,2KOH+-0,1%TK25<br>SMD-RESISTOR         | 1206                    | 0009.8027.00               | PHILIPS_CO MPC 01          |              |
| R811                | RG 39,2KOH+-0,1%TK25<br>SMD-RESISTOR         | 1206                    | 0009.8027.00               | PHILIPS_CO MPC 01          |              |
| R812                | RG 35,7 OHM+-1%TK100<br>SMD RESISTOR EIA0603 | 0603                    | 0009.9000.00               | PHILIPS_CO RC 22 H         |              |
| R813                | RG 35,7 OHM+-1%TK100<br>SMD RESISTOR EIA0603 | 0603                    | 0009.9000.00               | PHILIPS_CO RC 22 H         |              |
| R814                | RG 1,3KOHM+-0,1%TK25<br>RESISTOR             | 1206                    | 0010.1968.00               | PHILIPS_CO MPC 01          |              |
| R815                | RG 47R +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                    | 0009.6924.00               | PHILIPS_CO RC 22 H         |              |
| R816                | RG 47R +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                    | 0009.6924.00               | PHILIPS_CO RC 22 H         |              |
| R817                | RG 6K8 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                    | 0009.7037.00               | DRALORIC CR 0603           |              |
| R818                | RG 22R +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                    | 0009.6901.00               | DRALORIC CR 0603           |              |
| R819                | RG 3K3 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                    | 0009.7014.00               | DRALORIC CR 0603           |              |
| R820                | RG 0-OHM WIDERSTAND<br>SMD RESISTOR EIA0603  | 0603                    | 0009.9369.00               | PHILIPS_CO RC21 0 OHM      |              |
| R821                | RG 68R +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                    | 0009.6930.00               | DRALORIC CR 0603           |              |
| R822                | RG 56R +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                    | 0009.9646.00               | DRALORIC CR 0603           |              |
| R823                | RG 35,7 OHM+-1%TK100<br>SMD RESISTOR EIA0603 | 0603                    | 0009.9000.00               | PHILIPS_CO RC 22 H         |              |
| R824                | RG 3K01+-1% TK100<br>SMD RESISTOR EIA0603    | 0603                    | 0010.9298.00               | DRALORIC CR 0603           |              |
| R825                | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                    | RG 0009.5340.00            | PHILIPS_CO RC 22 H         |              |
| ..828               |                                              |                         |                            |                            |              |
| R829                |                                              |                         |                            |                            |              |
| R830                |                                              |                         |                            |                            |              |

| 1GPK                                                                                                            | 887 3PLU | ÄI       | Datum<br>Date                   | Schaltteilliste für<br>Parts list for | Sachnummer<br>Stock No. | Blatt-Nr.<br>Page |
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| <br><b>ROHDE&amp;SCHWARZ</b> | 68       | 07.10.99 | EE IQ-MODULATOR<br>IQ-MODULATOR | <b>1084.9800.01 SA</b>                | 36+                     |                   |

| Comp. No. | Designation                                       | Stock No.              | Manufacturer | Designation | contained in |
|-----------|---------------------------------------------------|------------------------|--------------|-------------|--------------|
| R831      | RG 22R +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.6901.00           | DRALORIC     | CR 0603     |              |
| R832      | RG 1K0 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5340.00        | PHILIPS_CO   | RC 22 H     |              |
| R833      | RG 56K2 +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0010.9117.00           | DRALORIC     | CR 0603     |              |
| R834      | RG 68,1K0H+-0,1%TK25 1206<br>RESISTOR             | 0010.2935.00           | PHILIPS_CO   | MPC 01      |              |
| R835      | RG 4,02K0H+-0,1%TK25 1206<br>SMD-RESISTOR EIA1206 | 0009.7814.00           | PHILIPS_CO   | MPC 01      |              |
| R836      | RG 20K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0010.9100.00           | PHILIPS_CO   | RC 22 H     |              |
| R837      | RG 33K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.7066.00           | PHILIPS_CO   | RC 22 H     |              |
| R838      | RG 33K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.7066.00           | PHILIPS_CO   | RC 22 H     |              |
| R839      | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5357.00        | PHILIPS_CO   | RC 22 H     |              |
| R840      | RG 4K7 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.7020.00           | PHILIPS_CO   | RC 22 H     |              |
| ..846     | R847                                              | RG 2K2 +-1% TK100 0603 | 0009.7008.00 | PHILIPS_CO  | RC 22 H      |
| R848      | SMD RESISTOR EIA0603<br>RG 121 OHM+-1%TK100 0603  | 0009.9498.00           | DRALORIC     | CR 0603     |              |
| R849      | SMD RESISTOR EIA0603<br>RG 150R +-1% TK100 0603   | 0009.6947.00           | PHILIPS_CO   | RC 22 H     |              |
| R850      | SMD RESISTOR EIA0603<br>RG 121 OHM+-1%TK100 0603  | 0009.9498.00           | DRALORIC     | CR 0603     |              |
| R851      | SMD RESISTOR EIA0603<br>RG 182 OHM+-1%TK100 0603  | 0009.9130.00           | DRALORIC     | CR 0603     |              |
| R852      | SMD RESISTOR EIA0603<br>RG 182 OHM+-1%TK100 0603  | 0009.9130.00           | DRALORIC     | CR 0603     |              |
| R853      | SMD RESISTOR EIA0603<br>RG 121 OHM+-1%TK100 0603  | 0009.9498.00           | DRALORIC     | CR 0603     |              |
| ..855     | R856                                              | RG 22R +-1% TK100 0603 | 0009.6901.00 | DRALORIC    | CR 0603      |
| R857      | SMD RESISTOR EIA0603<br>RG 121 OHM+-1%TK100 0603  | 0009.9498.00           | DRALORIC     | CR 0603     |              |
| R858      | SMD RESISTOR EIA0603<br>RG 22R +-1% TK100 0603    | 0009.6901.00           | DRALORIC     | CR 0603     |              |
| R859      | SMD RESISTOR EIA0603<br>RG 150R +-1% TK100 0603   | 0009.6947.00           | PHILIPS_CO   | RC 22 H     |              |
| R860      | SMD RESISTOR EIA0603<br>RG 150R +-1% TK100 0603   | 0009.6947.00           | PHILIPS_CO   | RC 22 H     |              |
| R861      | SMD RESISTOR EIA0603<br>RG 220R +-1% TK100 0603   | 0009.6953.00           | DRALORIC     | CR 0603     |              |
| R862      | SMD RESISTOR EIA0603<br>RG 432R +-1%TK100 0603    | 0009.9098.00           | DRALORIC     | CR 0603     |              |
| R863      | SMD RESISTOR EIA0603<br>RG 33R +-1% TK100 0603    | 0009.6918.00           | DRALORIC     | CR 0603     |              |
| R864      | SMD RESISTOR EIA0603<br>RG 33R +-1% TK100 0603    | 0009.6918.00           | DRALORIC     | CR 0603     |              |
| R865      | SMD RESISTOR EIA0603<br>RG 1K0 +-1% TK100 0603    | RG 0009.5340.00        | PHILIPS_CO   | RC 22 H     |              |
| R866      | SMD RESISTOR EIA0603<br>RG 1K0 +-1% TK100 0603    | RG 0009.5340.00        | PHILIPS_CO   | RC 22 H     |              |
| R867      | SMD RESISTOR EIA0603<br>RG 47K +-1% TK100 0603    | 0009.7072.00           | PHILIPS_CO   | RC 22 H     |              |
| R868      | SMD RESISTOR EIA0603<br>RG 0-OHM WIDERSTAND 0603  | 0009.9369.00           | PHILIPS_CO   | RC21 0 OHM  |              |
| R870      | SMD RESISTOR EIA0603<br>RG 10K +-1% TK100 0603    | RG 0009.5357.00        | PHILIPS_CO   | RC 22 H     |              |
| R871      | SMD RESISTOR EIA0603<br>RG 1K0 +-1% TK100 0603    | RG 0009.5340.00        | PHILIPS_CO   | RC 22 H     |              |
| R872      | SMD RESISTOR EIA0603<br>RG 15K +-1% TK100 0603    | 0009.7043.00           | DRALORIC     | CR 0603     |              |
| R873      | SMD RESISTOR EIA0603<br>RG 1K0 +-1% TK100 0603    | RG 0009.5340.00        | PHILIPS_CO   | RC 22 H     |              |
| R874      | SMD RESISTOR EIA0603<br>RG 0-OHM WIDERSTAND 0603  | 0009.9369.00           | PHILIPS_CO   | RC21 0 OHM  |              |
| R875      | SMD RESISTOR EIA0603<br>RG 33R +-1% TK100 0603    | 0009.6918.00           | DRALORIC     | CR 0603     |              |
| R876      | SMD RESISTOR EIA0603<br>RG 0-OHM WIDERSTAND 0603  | 0009.9369.00           | PHILIPS_CO   | RC21 0 OHM  |              |
| R877      | SMD RESISTOR EIA0603<br>RG 15R +-1% TK100 0603    | 0009.6899.00           | DRALORIC     | CR 0603     |              |
| R878      | SMD RESISTOR EIA0603<br>RG 0-OHM WIDERSTAND 0603  | 0009.9369.00           | PHILIPS_CO   | RC21 0 OHM  |              |
| ..883     |                                                   |                        |              |             |              |

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| Kennz.<br>Comp. No. | Benennung<br>Designation                     | Sachnummer<br>Stock No. | Hersteller<br>Manufacturer | Bezeichnung<br>Designation | contained in |
|---------------------|----------------------------------------------|-------------------------|----------------------------|----------------------------|--------------|
| R884                | RG 15R +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                    | 0009.6899.00               | DRALORIC CR 0603           |              |
| R885                | RG 15R +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                    | 0009.6899.00               | DRALORIC CR 0603           |              |
| R886                | RG 6K8 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                    | 0009.7037.00               | DRALORIC CR 0603           |              |
| R887                | RG 1K21 +-1% TK100<br>SMD RESISTOR EIA0603   | 0603                    | RG 0010.9817.00            | PHILIPS_CO RC 22 H         |              |
| R888                | RG 15R +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                    | 0009.6899.00               | DRALORIC CR 0603           |              |
| R889                | RG 10R +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                    | RG 0009.5328.00            | PHILIPS_CO RC 22 H         |              |
| R890                | RG 15R +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                    | 0009.6899.00               | DRALORIC CR 0603           |              |
| R891                | RG 10R +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                    | RG 0009.5328.00            | PHILIPS_CO RC 22 H         |              |
| R895                | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                    | RG 0009.5340.00            | PHILIPS_CO RC 22 H         |              |
| R896                | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                    | RG 0009.5340.00            | PHILIPS_CO RC 22 H         |              |
| R897                | RG 100K +-1% TK100<br>SMD RESISTOR EIA0603   | 0603                    | RG 0009.5363.00            | DRALORIC CR 0603           |              |
| R898                | RG 330R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603                    | 0009.6960.00               | DRALORIC CR 0603           |              |
| R899                | RG 330R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603                    | 0009.6960.00               | DRALORIC CR 0603           |              |
| R900                | RG 10R +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                    | RG 0009.5328.00            | PHILIPS_CO RC 22 H         |              |
| R901                | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                    | RG 0009.5340.00            | PHILIPS_CO RC 22 H         |              |
| R902                | RG 51,0 OHM+-1%TK100<br>SMD RESISTOR EIA0603 | 0603                    | 0009.9030.00               | DRALORIC CR 0603           |              |
| R903                | RG 1M0 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                    | RG 0009.5370.00            | DRALORIC CR 0603           |              |
| R904                | RG 330R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603                    | 0009.6960.00               | DRALORIC CR 0603           |              |
| R905                | RG 10R +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                    | RG 0009.5328.00            | PHILIPS_CO RC 22 H         |              |
| R906                | RG 4K7 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                    | 0009.7020.00               | PHILIPS_CO RC 22 H         |              |
| R907                | RG 4K7 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                    | 0009.7020.00               | PHILIPS_CO RC 22 H         |              |
| R908                | RG 10R +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                    | RG 0009.5328.00            | PHILIPS_CO RC 22 H         |              |
| R909                | RG 4R75 +-1% TK250<br>SMD RESISTOR EIA0603   | 0603                    | 0010.8379.00               | PHILIPS_CO RC 22 H         |              |
| R910                | RG 51,0 OHM+-1%TK100<br>SMD RESISTOR EIA0603 | 0603                    | 0009.9030.00               | DRALORIC CR 0603           |              |
| R911                | RG 4K7 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                    | 0009.7020.00               | PHILIPS_CO RC 22 H         |              |
| R913                | RG 511R +-1%TK100<br>SMD RESISTOR EIA0603    | 0603                    | 1097.6470.00               | PHILIPS_CO RC 22 H         |              |
| R914                | RG 10R +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                    | RG 0009.5328.00            | PHILIPS_CO RC 22 H         |              |
| R915                | RG 10R +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                    | RG 0009.5328.00            | PHILIPS_CO RC 22 H         |              |
| R916                | RG 10R +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                    | RG 0009.5328.00            | PHILIPS_CO RC 22 H         |              |
| R917                | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                    | RG 0009.5340.00            | PHILIPS_CO RC 22 H         |              |
| R918                | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                    | RG 0009.5340.00            | PHILIPS_CO RC 22 H         |              |
| R919                | RG 20K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                    | 0010.9100.00               | PHILIPS_CO RC 22 H         |              |
| R920                | RG 4K7 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                    | 0009.7020.00               | PHILIPS_CO RC 22 H         |              |
| R921                | RG 330R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603                    | 0009.6960.00               | DRALORIC CR 0603           |              |
| R922                | RG 15R +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                    | 0009.6899.00               | DRALORIC CR 0603           |              |
| R923                | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                    | RG 0009.5340.00            | PHILIPS_CO RC 22 H         |              |
| R924                | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                    | RG 0009.5340.00            | PHILIPS_CO RC 22 H         |              |
| R925                | RG 10R +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                    | RG 0009.5328.00            | PHILIPS_CO RC 22 H         |              |
| R926                | RG 5R62 +-1% TK250<br>SMD RESISTOR EIA0603   | 0603                    | 0009.9100.00               | DRALORIC CR 0603           |              |
| R927                | RG 22R +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                    | 0009.6901.00               | DRALORIC CR 0603           |              |
| R928                | RG 1M0 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603                    | RG 0009.5370.00            | DRALORIC CR 0603           |              |

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| 1GPK                                                                                                              | 887 | 3PLU       | Äi | Datum<br>Date                       | Schaltteilliste für<br>Parts list for | Sachnummer<br>Stock No. | Blatt-Nr.<br>Page |
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| Comp. No. | Designation                                                               | Stock No.       | Manufacturer | Designation  | contained in |
|-----------|---------------------------------------------------------------------------|-----------------|--------------|--------------|--------------|
| R929      | RS 0,25W10KOHM +-20% SMD<br>POTENTIOMETER                                 | RS 0007.9649.00 | BI_TECHNOL   | 23 B R... TR |              |
| R930      | RS 0,25W50KOHM +-20% SMD<br>POTENTIOMETER                                 | RS 0007.9661.00 | BI_TECHNOL   | 23 B R... TR |              |
| R931      | RG 182 OHM+-1%TK100 0603<br>SMD RESISTOR EIA0603                          | 0009.9130.00    | DRALORIC     | CR 0603      |              |
| R932      | RG 130R +-1% TK100 0603<br>SMD RESISTOR EIA0603                           | 1078.3110.00    | DRALORIC     | CR 0603      |              |
| R933      | RG 560R +-1% TK100 0603<br>SMD RESISTOR EIA0603                           | 0009.9630.00    | DRALORIC     | CR 0603      |              |
| R934      | RG 560R +-1% TK100 0603<br>SMD RESISTOR EIA0603                           | 0009.9630.00    | DRALORIC     | CR 0603      |              |
| R935      | RG 150 OHM+-0,1%TK25 1206<br>SMD-RESISTOR EIA1206                         | 0009.8091.00    | PHILIPS_CO   | MPC 01       |              |
| R936      | RG 8R25 +-1% TK250 0603<br>SMD RESISTOR EIA0603                           | 0009.9117.00    | DRALORIC     | CR 0603      |              |
| R937      | RG 68K +-1% TK100 0603<br>SMD RESISTOR EIA0603                            | 0009.7089.00    | PHILIPS_CO   | RC 22 H      |              |
| R938      | RG 1K0 +-1% TK100 0603<br>SMD RESISTOR EIA0603                            | RG 0009.5340.00 | PHILIPS_CO   | RC 22 H      |              |
| R939      | RG 1K0 +-1% TK100 0603<br>SMD RESISTOR EIA0603                            | RG 0009.5340.00 | PHILIPS_CO   | RC 22 H      |              |
| R940      | RG 470K +-1% TK100 0603<br>SMD RESISTOR EIA0603                           | 0009.7120.00    | PHILIPS_CO   | RC 22 H      |              |
| R941      | RG 150K +-1% TK100 0603<br>SMD RESISTOR EIA0603                           | 0009.7095.00    | PHILIPS_CO   | RC 22 H      |              |
| R942      | RG 56R +-1% TK100 0603<br>SMD RESISTOR EIA0603                            | 0009.9646.00    | DRALORIC     | CR 0603      |              |
| R942      | NUR VAR/ONLY MOD: 02<br>RG 56R +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.9646.00    | DRALORIC     | CR 0603      |              |
| R942      | NUR VAR/ONLY MOD: 04<br>RG 56R +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.9646.00    | DRALORIC     | CR 0603      |              |
| R942      | NUR VAR/ONLY MOD: 06<br>RG 47R +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.6924.00    | PHILIPS_CO   | RC 22 H      |              |
| R943      | NUR VAR/ONLY MOD: 08<br>RG 51,0 OHM+-1%TK100 0603<br>SMD RESISTOR EIA0603 | 0009.9030.00    | DRALORIC     | CR 0603      |              |
| R944      | RG 100K +-1% TK100 0603<br>SMD RESISTOR EIA0603                           | RG 0009.5363.00 | DRALORIC     | CR 0603      |              |
| R945      | RG 1K0 +-1% TK100 0603<br>SMD RESISTOR EIA0603                            | RG 0009.5340.00 | PHILIPS_CO   | RC 22 H      |              |
| R946      | RG 68K +-1% TK100 0603<br>SMD RESISTOR EIA0603                            | 0009.7089.00    | PHILIPS_CO   | RC 22 H      |              |
| R947      | RG 4K7 +-1% TK100 0603<br>SMD RESISTOR EIA0603                            | 0009.7020.00    | PHILIPS_CO   | RC 22 H      |              |
| ..955     | RG 0-OHM WIDERSTAND 0603<br>SMD RESISTOR EIA0603                          | 0009.9369.00    | PHILIPS_CO   | RC21 0 OHM   |              |
| ..958     | RG 82,5 OHM+-1%TK100 0603<br>SMD RESISTOR EIA0603                         | 0009.9052.00    | DRALORIC     | CR 0603      |              |
| R959      | RG 15K +-1% TK100 0603<br>SMD RESISTOR EIA0603                            | 0009.7043.00    | DRALORIC     | CR 0603      |              |
| ..962     | RG 33K +-1% TK100 0603<br>SMD RESISTOR EIA0603                            | 0009.7066.00    | PHILIPS_CO   | RC 22 H      |              |
| R963      | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603                            | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H      |              |
| R964      | RG 30,1 OHM+-1%TK100 0603<br>SMD RESISTOR EIA0603                         | 0009.9081.00    | PHILIPS_CO   | RC 22 H      |              |
| R965      | RG 301R +-1%TK100 0603<br>SMD RESISTOR EIA0603                            | 0009.9123.00    | PHILIPS_CO   | RC 22 H      |              |
| R966      | RS 0,25W50KOHM+-20% SMD<br>POTENTIOMETER                                  | RS 0007.9690.00 | BI_TECHNOL   | 23 B R... TR |              |
| R967      | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603                            | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H      |              |
| R968      | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603                            | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H      |              |
| R970      | RG 1,82KOHM+-1%TK100 1206<br>RESISTOR CHIP                                | RG 0007.5720.00 | PHILIPS_CO   | RC02         |              |
| R971      | RG 1,82KOHM+-1%TK100 1206<br>RESISTOR CHIP                                | RG 0007.5720.00 | PHILIPS_CO   | RC02         |              |
| R972      | RG 270R +-1% TK100 0603<br>SMD RESISTOR EIA0603                           | 0010.9581.00    | PHILIPS_CO   | RC 22 H      |              |
| R973      | RG 270R +-1% TK100 0603<br>SMD RESISTOR EIA0603                           | 0010.9581.00    | PHILIPS_CO   | RC 22 H      |              |
| R974      | RG 12K1 +-1% TK100 0603<br>SMD RESISTOR EIA0603                           | 0010.8462.00    | DRALORIC     | CR 0603      |              |
| R975      |                                                                           |                 |              |              |              |

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| <br><b>ROHDE &amp; SCHWARZ</b> | 68       | 07.10.99 | EE IQ-MODULATOR<br>IQ-MODULATOR | <b>1084.9800.01 SA</b>                | 39+                     |                   |

| Kennz.<br>Comp. No. | Benennung<br>Designation                                                  | Sachnummer<br>Stock No. | Manufacturer | Designation | contained in |
|---------------------|---------------------------------------------------------------------------|-------------------------|--------------|-------------|--------------|
| R976                | RG 220R +-1% TK100 0603<br>SMD RESISTOR EIA0603                           | 0009.6953.00            | DRALORIC     | CR 0603     |              |
| R977                | RG 1K82 +-1% TK100 0603<br>SMD RESISTOR EIA0603                           | 0010.8404.00            | PHILIPS_CO   | RC 22 H     |              |
| R978                | RG 1K82 +-1% TK100 0603<br>SMD RESISTOR EIA0603                           | 0010.8404.00            | PHILIPS_CO   | RC 22 H     |              |
| R979                | RG 1K0 +-1% TK100 0603<br>SMD RESISTOR EIA0603                            | RG 0009.5340.00         | PHILIPS_CO   | RC 22 H     |              |
| R980                | RG 5K62 +-1% TK100 0603<br>SMD RESISTOR EIA0603                           | 0010.8433.00            | DRALORIC     | CR 0603     |              |
| R981                | RG 1K0 +-1% TK100 0603<br>SMD RESISTOR EIA0603                            | RG 0009.5340.00         | PHILIPS_CO   | RC 22 H     |              |
| R982                | RG 1K0 +-1% TK100 0603<br>SMD RESISTOR EIA0603                            | RG 0009.5340.00         | PHILIPS_CO   | RC 22 H     |              |
| R983                | RG 47R +-1% TK100 0603<br>SMD RESISTOR EIA0603                            | 0009.6924.00            | PHILIPS_CO   | RC 22 H     |              |
| R984                | RG 47R +-1% TK100 0603<br>SMD RESISTOR EIA0603                            | 0009.6924.00            | PHILIPS_CO   | RC 22 H     |              |
| R985                | RG 4K7 +-1% TK100 0603<br>SMD RESISTOR EIA0603                            | 0009.7020.00            | PHILIPS_CO   | RC 22 H     |              |
| R986                | RG 1K0 +-1% TK100 0603<br>SMD RESISTOR EIA0603                            | RG 0009.5340.00         | PHILIPS_CO   | RC 22 H     |              |
| R987                | RG 1K0 +-1% TK100 0603<br>SMD RESISTOR EIA0603                            | RG 0009.5340.00         | PHILIPS_CO   | RC 22 H     |              |
| R988                | RG 47K +-1% TK100 0603<br>SMD RESISTOR EIA0603                            | 0009.7072.00            | PHILIPS_CO   | RC 22 H     |              |
| R989                | RG 1K0 +-1% TK100 0603<br>SMD RESISTOR EIA0603                            | RG 0009.5340.00         | PHILIPS_CO   | RC 22 H     |              |
| R990                | RG 1K0 +-1% TK100 0603<br>SMD RESISTOR EIA0603                            | RG 0009.5340.00         | PHILIPS_CO   | RC 22 H     |              |
| R991                | RG 2K2 +-1% TK100 0603<br>SMD RESISTOR EIA0603                            | 0009.7008.00            | PHILIPS_CO   | RC 22 H     |              |
| R992                | RG 1K0 +-1% TK100 0603<br>SMD RESISTOR EIA0603                            | RG 0009.5340.00         | PHILIPS_CO   | RC 22 H     |              |
| R993                | RG 1K0 +-1% TK100 0603<br>SMD RESISTOR EIA0603                            | RG 0009.5340.00         | PHILIPS_CO   | RC 22 H     |              |
| R994                | RG 270R +-1% TK100 0603<br>SMD RESISTOR EIA0603                           | 0010.9581.00            | PHILIPS_CO   | RC 22 H     |              |
| R996                | RG 1K0 +-1% TK100 0603<br>SMD RESISTOR EIA0603                            | RG 0009.5340.00         | PHILIPS_CO   | RC 22 H     |              |
| R997                | RG 1K0 +-1% TK100 0603<br>SMD RESISTOR EIA0603                            | RG 0009.5340.00         | PHILIPS_CO   | RC 22 H     |              |
| R998                | RG 1K0 +-1% TK100 0603<br>SMD RESISTOR EIA0603                            | RG 0009.5340.00         | PHILIPS_CO   | RC 22 H     |              |
| R999                | RG 150R +-1% TK100 0603<br>SMD RESISTOR EIA0603                           | 0009.6947.00            | PHILIPS_CO   | RC 22 H     |              |
| R999                | NUR VAR/ONLY MOD: 02<br>RG 150R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0009.6947.00            | PHILIPS_CO   | RC 22 H     |              |
| R999                | NUR VAR/ONLY MOD: 04<br>RG 150R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0009.6947.00            | PHILIPS_CO   | RC 22 H     |              |
| R999                | NUR VAR/ONLY MOD: 06<br>RG 182 OHM+-1%TK100 0603<br>SMD RESISTOR EIA0603  | 0009.9130.00            | DRALORIC     | CR 0603     |              |
| R1000               | NUR VAR/ONLY MOD: 08<br>RG 150R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0009.6947.00            | PHILIPS_CO   | RC 22 H     |              |
| R1000               | NUR VAR/ONLY MOD: 02<br>RG 150R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0009.6947.00            | PHILIPS_CO   | RC 22 H     |              |
| R1000               | NUR VAR/ONLY MOD: 04<br>RG 150R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0009.6947.00            | PHILIPS_CO   | RC 22 H     |              |
| R1000               | NUR VAR/ONLY MOD: 06<br>RG 182 OHM+-1%TK100 0603<br>SMD RESISTOR EIA0603  | 0009.9130.00            | DRALORIC     | CR 0603     |              |
| R1001               | NUR VAR/ONLY MOD: 08<br>RG 47R +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.6924.00            | PHILIPS_CO   | RC 22 H     |              |
| R1001               | NUR VAR/ONLY MOD: 02<br>RG 47R +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.6924.00            | PHILIPS_CO   | RC 22 H     |              |
| R1001               | NUR VAR/ONLY MOD: 04<br>RG 47R +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.6924.00            | PHILIPS_CO   | RC 22 H     |              |
| R1001               | NUR VAR/ONLY MOD: 06<br>RG 30,1 OHM+-1%TK100 0603<br>SMD RESISTOR EIA0603 | 0009.9081.00            | PHILIPS_CO   | RC 22 H     |              |
| R1001               | NUR VAR/ONLY MOD: 08                                                      |                         |              |             |              |

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| <br><b>ROHDE &amp; SCHWARZ</b> |          | 68 | 07.10.99      | EE IQ-MODULATOR<br><br>IQ-MODULATOR   | <b>1084.9800.01 SA</b>  | 40+               |

| Comp. No. | Designation                                  | Stock No. | Manufacturer    | Designation             | contained in |
|-----------|----------------------------------------------|-----------|-----------------|-------------------------|--------------|
| R1002     | RG 100R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5334.00 | PHILIPS_CO RC 22 H      |              |
| R1003     | RG 100R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5334.00 | PHILIPS_CO RC 22 H      |              |
| R1004     | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H      |              |
| R1005     | RG 220R +-1% TK100                           | 0603      | 0009.6953.00    | DRALORIC CR 0603        |              |
| ..1010    | SMD RESISTOR EIA0603                         |           |                 |                         |              |
| R1011     | RG 30,1 OHM+-1%TK100<br>SMD RESISTOR EIA0603 | 0603      | 0009.9081.00    | PHILIPS_CO RC 22 H      |              |
| R1012     | RG 432R +-1%TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.9098.00    | DRALORIC CR 0603        |              |
| R1013     | RG 150R +-1% TK100                           | 0603      | 0009.6947.00    | PHILIPS_CO RC 22 H      |              |
| ..1018    | SMD RESISTOR EIA0603                         |           |                 |                         |              |
| R1019     | RG 82,5 OHM+-1%TK100<br>SMD RESISTOR EIA0603 | 0603      | 0009.9052.00    | DRALORIC CR 0603        |              |
| R1020     | RG 10R +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5328.00 | PHILIPS_CO RC 22 H      |              |
| R1021     | RG 4R75 +-1% TK250<br>SMD RESISTOR EIA0603   | 0603      | 0010.8379.00    | PHILIPS_CO RC 22 H      |              |
| R1022     | RG 56R +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.9646.00    | DRALORIC CR 0603        |              |
| R1023     | RG 1K21 +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0010.9817.00 | PHILIPS_CO RC 22 H      |              |
| R1024     | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H      |              |
| R1025     | RG 3K3 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.7014.00    | DRALORIC CR 0603        |              |
| R1026     | RG 3K3 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.7014.00    | DRALORIC CR 0603        |              |
| R1027     | RG 3K3 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.7014.00    | DRALORIC CR 0603        |              |
| R1028     | RG 470R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0009.6976.00    | DRALORIC CR 0603        |              |
| R1029     | RG 825R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0010.8391.00    | PHILIPS_CO RC 22 H      |              |
| R1030     | RS 0,25W 1KOHM +-20% SMD<br>RG POTENTIOMETER |           | RS 0007.9610.00 | BI_TECHNOL 23 B R... TR |              |
| R1031     | RG 1K5 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.6999.00    | DRALORIC CR 0603        |              |
| R1032     | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H      |              |
| R1033     | RG 47K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.7072.00    | PHILIPS_CO RC 22 H      |              |
| R1034     | RG 10R +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5328.00 | PHILIPS_CO RC 22 H      |              |
| R1035     | RG 8K25 +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0010.8456.00    | PHILIPS_CO RC 22 H      |              |
| R1036     | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H      |              |
| R1037     | RG 2K2 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | 0009.7008.00    | PHILIPS_CO RC 22 H      |              |
| R1038     | RG 10K +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5357.00 | PHILIPS_CO RC 22 H      |              |
| R1039     | RG 10R +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5328.00 | PHILIPS_CO RC 22 H      |              |
| R1040     | RG 10R +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5328.00 | PHILIPS_CO RC 22 H      |              |
| R1041     | RG 39K2 +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | 0010.9823.00    | PHILIPS_CO RC 22 H      |              |
| R1042     | RG 100K +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5363.00 | DRALORIC CR 0603        |              |
| R1043     | RG 1M0 +-1% TK100                            | 0603      | RG 0009.5370.00 | DRALORIC CR 0603        |              |
| ..1050    | SMD RESISTOR EIA0603                         |           |                 |                         |              |
| R1051     | RG 100R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5334.00 | PHILIPS_CO RC 22 H      |              |
| R1052     | RG 100R +-1% TK100<br>SMD RESISTOR EIA0603   | 0603      | RG 0009.5334.00 | PHILIPS_CO RC 22 H      |              |
| R1053     | RG 0-OHM WIDERSTAND<br>SMD RESISTOR EIA0603  | 0603      | 0009.9369.00    | PHILIPS_CO RC21 0 OHM   |              |
| R1054     | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H      |              |
| R1055     | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H      |              |
| R1056     | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H      |              |
| R1057     | RG 1K0 +-1% TK100<br>SMD RESISTOR EIA0603    | 0603      | RG 0009.5340.00 | PHILIPS_CO RC 22 H      |              |

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| <br><b>ROHDE &amp; SCHWARZ</b> | 68       | 07.10.99 | EE IQ-MODULATOR<br>IQ-MODULATOR | <b>1084.9800.01 SA</b>                | 41+                     |                   |

| Kennz.<br>Comp. No. | Benennung<br>Designation                          | Sachnummer<br>Stock No. | Hersteller<br>Manufacturer | Bezeichnung<br>Designation | contained in |
|---------------------|---------------------------------------------------|-------------------------|----------------------------|----------------------------|--------------|
| R1058               | RG 1K0 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5340.00         | PHILIPS_CO                 | RC 22 H                    |              |
| R1059               | RG 20K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0010.9100.00            | PHILIPS_CO                 | RC 22 H                    |              |
| R1060               | RG 20K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0010.9100.00            | PHILIPS_CO                 | RC 22 H                    |              |
| R1061               | RG 20K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0010.9100.00            | PHILIPS_CO                 | RC 22 H                    |              |
| R1062               | RG 1K0 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5340.00         | PHILIPS_CO                 | RC 22 H                    |              |
| R1063               | RG 220K +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0009.7108.00            | DRALORIC                   | CR 0603                    |              |
| R1064               | RG 220K +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0009.7108.00            | DRALORIC                   | CR 0603                    |              |
| R1065               | RG 220K +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0009.7108.00            | DRALORIC                   | CR 0603                    |              |
| R1066               | RG 1K0 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5340.00         | PHILIPS_CO                 | RC 22 H                    |              |
| R1067               | RG 20K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0010.9100.00            | PHILIPS_CO                 | RC 22 H                    |              |
| R1068               | RG 18K2+-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0010.9317.00            | DRALORIC                   | CR 0603                    |              |
| R1069               | RG 330R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0009.6960.00            | DRALORIC                   | CR 0603                    |              |
| R1070               | RG 100R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | RG 0009.5334.00         | PHILIPS_CO                 | RC 22 H                    |              |
| R1071               | RG 1K0 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5340.00         | PHILIPS_CO                 | RC 22 H                    |              |
| R1072               | RG 1K0 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5340.00         | PHILIPS_CO                 | RC 22 H                    |              |
| R1073               | RG 4K7 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.7020.00            | PHILIPS_CO                 | RC 22 H                    |              |
| R1074               | RG 1K0 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5340.00         | PHILIPS_CO                 | RC 22 H                    |              |
| R1075               | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5357.00         | PHILIPS_CO                 | RC 22 H                    |              |
| ..1078              | SMD RESISTOR EIA0603                              |                         |                            |                            |              |
| R1079               | RG 5K62 +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0010.8433.00            | DRALORIC                   | CR 0603                    |              |
| ..1082              | SMD RESISTOR EIA0603                              |                         |                            |                            |              |
| R1083               | RG 100 OHM+-0,1%TK25 1206<br>SMD-RESISTOR         | 0009.8033.00            | PHILIPS_CO                 | MPC 01                     |              |
| ..1086              | SMD-RESISTOR                                      |                         |                            |                            |              |
| R1087               | RG 2K2 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.7008.00            | PHILIPS_CO                 | RC 22 H                    |              |
| ..1094              | SMD RESISTOR EIA0603                              |                         |                            |                            |              |
| R1095               | RG 100R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | RG 0009.5334.00         | PHILIPS_CO                 | RC 22 H                    |              |
| R1096               | RG 2K2 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.7008.00            | PHILIPS_CO                 | RC 22 H                    |              |
| R1097               | RG 4K7 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0009.7020.00            | PHILIPS_CO                 | RC 22 H                    |              |
| ..1100              | SMD RESISTOR EIA0603                              |                         |                            |                            |              |
| R1101               | RG 0-OHM WIDERSTAND 0603<br>SMD RESISTOR EIA0603  | 0009.9369.00            | PHILIPS_CO                 | RC21 0 OHM                 |              |
| R1102               | RG 0-OHM WIDERSTAND 0603<br>SMD RESISTOR EIA0603  | 0009.9369.00            | PHILIPS_CO                 | RC21 0 OHM                 |              |
| R1103               | RG 1K0 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | RG 0009.5340.00         | PHILIPS_CO                 | RC 22 H                    |              |
| ..1106              | SMD RESISTOR EIA0603                              |                         |                            |                            |              |
| R1107               | RG 3K01+-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0010.9298.00            | DRALORIC                   | CR 0603                    |              |
| R1108               | RG 2K0 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 1097.6328.00            | PHILIPS_CO                 | RC 22 H                    |              |
| R1109               | RG 2K0 +-1% TK100 0603<br>SMD RESISTOR EIA0603    | 1097.6328.00            | PHILIPS_CO                 | RC 22 H                    |              |
| R1110               | RG 3K01+-1% TK100 0603<br>SMD RESISTOR EIA0603    | 0010.9298.00            | DRALORIC                   | CR 0603                    |              |
| R1111               | RS 0,25W50KOHM +-20% SMD<br>POTENTIOMETER         | RS 0007.9661.00         | BI_TECHNOL                 | 23 B R... TR               |              |
| R1112               | RG 51,0 OHM+-1%TK100 0603<br>SMD RESISTOR EIA0603 | 0009.9030.00            | DRALORIC                   | CR 0603                    |              |
| R1113               | RG 51,0 OHM+-1%TK100 0603<br>SMD RESISTOR EIA0603 | 0009.9030.00            | DRALORIC                   | CR 0603                    |              |
| R1114               | RG 200R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 1097.6386.00            | DRALORIC                   | CR 0603                    |              |
| R1115               | RG 200R +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 1097.6386.00            | DRALORIC                   | CR 0603                    |              |
| R1116               | RG 3K92 +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0010.8427.00            | PHILIPS_CO                 | RC 22 H                    |              |
| R1117               | RG 3K92 +-1% TK100 0603<br>SMD RESISTOR EIA0603   | 0010.8427.00            | PHILIPS_CO                 | RC 22 H                    |              |
| R1118               | RG 100K +-1% TK100 0603<br>SMD RESISTOR EIA0603   | RG 0009.5363.00         | DRALORIC                   | CR 0603                    |              |

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|  |     |      | 68 | 07.10.99      | EE IQ-MODULATOR<br>IQ-MODULATOR       | <b>1084.9800.01 SA</b>  | 42+               |

| Comp. No. | Designation                                                                    | Stock No.       | Manufacturer | Designation         | contained in |
|-----------|--------------------------------------------------------------------------------|-----------------|--------------|---------------------|--------------|
| R1119     | RG 100K +-1% TK100 0603<br>SMD RESISTOR EIA0603                                | RG 0009.5363.00 | DRALORIC     | CR 0603             |              |
| R1120     | RG 30,1 OHM+-1%TK100 0603<br>SMD RESISTOR EIA0603                              | 0009.9081.00    | PHILIPS_CO   | RC 22 H             |              |
| R1121     | RG 100K +-1% TK100 0603<br>SMD RESISTOR EIA0603                                | RG 0009.5363.00 | DRALORIC     | CR 0603             |              |
| R1122     | RG 20K +-1% TK100 0603<br>SMD RESISTOR EIA0603                                 | 0010.9100.00    | PHILIPS_CO   | RC 22 H             |              |
| R1123     | RG 35,7 OHM+-1%TK100 0603<br>SMD RESISTOR EIA0603                              | 0009.9000.00    | PHILIPS_CO   | RC 22 H             |              |
| R1124     | RG 100R +-1% TK100 0603<br>SMD RESISTOR EIA0603                                | RG 0009.5334.00 | PHILIPS_CO   | RC 22 H             |              |
| R1125     | RG 100R +-1% TK100 0603<br>SMD RESISTOR EIA0603                                | RG 0009.5334.00 | PHILIPS_CO   | RC 22 H             |              |
| R1126     | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603                                 | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H             |              |
| R1128     | ..1128                                                                         |                 |              |                     |              |
| R1129     | RK SMD-HEISSL.100K 1206<br>SMD-NTC-RESISTOR                                    | 0008.9236.00    | SIEMENS      | B57621-C104-J       |              |
| R1130     | RG 12K1 +-1% TK100 0603<br>SMD RESISTOR EIA0603                                | 0010.8462.00    | DRALORIC     | CR 0603             |              |
| R1131     | RG 12K1 +-1% TK100 0603<br>SMD RESISTOR EIA0603                                | 0010.8462.00    | DRALORIC     | CR 0603             |              |
| R1132     | RG 121 OHM+-1%TK100 0603<br>SMD RESISTOR EIA0603                               | 0009.9498.00    | DRALORIC     | CR 0603             |              |
| R1136     | ..1136                                                                         |                 |              |                     |              |
| R1137     | RG 392K+-1% TK100 0603<br>RESISTOR                                             | 1097.6528.00    | DRALORIC     | CR 0603             |              |
| R1138     | RG 39R 1% 1W 1218<br>SMD-RESISTOR                                              | 1104.2786.00    | PHILIPS_CO   | PRC201-39R 1% TK100 |              |
| R1139     | RG 39R 1% 1W 1218<br>SMD-RESISTOR                                              | 1104.2786.00    | PHILIPS_CO   | PRC201-39R 1% TK100 |              |
| R1140     | RG 330R +-1% TK100 0603<br>SMD RESISTOR EIA0603                                | 0009.6960.00    | DRALORIC     | CR 0603             |              |
| R1143     | ..1143                                                                         |                 |              |                     |              |
| R1144     | RG 2K2 +-1% TK100 0603<br>SMD RESISTOR EIA0603                                 | 0009.7008.00    | PHILIPS_CO   | RC 22 H             |              |
| R1145     | RG 2K2 +-1% TK100 0603<br>SMD RESISTOR EIA0603                                 | 0009.7008.00    | PHILIPS_CO   | RC 22 H             |              |
| R1146     | RG 1K0 +-1% TK100 0603<br>SMD RESISTOR EIA0603                                 | RG 0009.5340.00 | PHILIPS_CO   | RC 22 H             |              |
| R1149     | ..1149                                                                         |                 |              |                     |              |
| R1150     | RG 3K92 +-1% TK100 0603<br>SMD RESISTOR EIA0603                                | 0010.8427.00    | PHILIPS_CO   | RC 22 H             |              |
| R1151     | RG 3K92 +-1% TK100 0603<br>SMD RESISTOR EIA0603                                | 0010.8427.00    | PHILIPS_CO   | RC 22 H             |              |
| R1152     | RG 301R +-1%TK100 0603<br>SMD RESISTOR EIA0603                                 | 0009.9123.00    | PHILIPS_CO   | RC 22 H             |              |
| R1153     | RG 100R +-1% TK100 0603<br>SMD RESISTOR EIA0603                                | RG 0009.5334.00 | PHILIPS_CO   | RC 22 H             |              |
| R1154     | RG 150R +-1% TK100 0603<br>SMD RESISTOR EIA0603                                | 0009.6947.00    | PHILIPS_CO   | RC 22 H             |              |
| R1155     | RG 150R +-1% TK100 0603<br>SMD RESISTOR EIA0603                                | 0009.6947.00    | PHILIPS_CO   | RC 22 H             |              |
| R1156     | RG 200R +-1% TK100 0603<br>SMD RESISTOR EIA0603                                | 1097.6386.00    | DRALORIC     | CR 0603             |              |
| R1157     | RG 200R +-1% TK100 0603<br>SMD RESISTOR EIA0603                                | 1097.6386.00    | DRALORIC     | CR 0603             |              |
| R1158     | RG 150R +-1% TK100 0603<br>SMD RESISTOR EIA0603                                | 0009.6947.00    | PHILIPS_CO   | RC 22 H             |              |
| R1159     | RG 150R +-1% TK100 0603<br>SMD RESISTOR EIA0603                                | 0009.6947.00    | PHILIPS_CO   | RC 22 H             |              |
| R1160     | RG 35,7 OHM+-1%TK100 0603<br>SMD RESISTOR EIA0603                              | 0009.9000.00    | PHILIPS_CO   | RC 22 H             |              |
| R1161     | RG 432R +-1%TK100 0603<br>SMD RESISTOR EIA0603                                 | 0009.9098.00    | DRALORIC     | CR 0603             |              |
| R1162     | RG 432R +-1%TK100 0603<br>SMD RESISTOR EIA0603                                 | 0009.9098.00    | DRALORIC     | CR 0603             |              |
| R1163     | NICHT BESTUECKT/NOT FITTED<br>RG 0-OHM WIDERSTAND 0603<br>SMD RESISTOR EIA0603 | 0009.9369.00    | PHILIPS_CO   | RC21 0 OHM          |              |
| R1164     | RG 100K +-1% TK100 0603<br>SMD RESISTOR EIA0603                                | RG 0009.5363.00 | DRALORIC     | CR 0603             |              |
| R1165     | RG 100R +-1% TK100 0603<br>SMD RESISTOR EIA0603                                | RG 0009.5334.00 | PHILIPS_CO   | RC 22 H             |              |
| R1166     | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603                                 | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H             |              |
| R1183     | ..1183                                                                         |                 |              |                     |              |
| R1184     | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603                                 | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H             |              |
| R1185     | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603                                 | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H             |              |

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|  |          | 68 | 07.10.99      | EE IQ-MODULATOR<br>IQ-MODULATOR       | <b>1084.9800.01 SA</b>  | 43+               |

| Kennz.<br>Comp. No. | Benennung<br>Designation                                                | Stock No.       | Manufacturer | Designation          | contained in |
|---------------------|-------------------------------------------------------------------------|-----------------|--------------|----------------------|--------------|
| R1186               | RG 13K +-1% TK100 0603<br>SMD RESISTOR EIA0603                          | 1097.6428.00    | PHILIPS_CO   | RC 22 H              |              |
| R1187               | RG 13K +-1% TK100 0603<br>SMD RESISTOR EIA0603                          | 1097.6428.00    | PHILIPS_CO   | RC 22 H              |              |
| R1188               | RG 13K +-1% TK100 0603<br>SMD RESISTOR EIA0603                          | 1097.6428.00    | PHILIPS_CO   | RC 22 H              |              |
| R1189               | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603                          | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H              |              |
| R1190               | RG 10K +-1% TK100 0603<br>SMD RESISTOR EIA0603                          | RG 0009.5357.00 | PHILIPS_CO   | RC 22 H              |              |
| R1191               | RG 2K74 +-1% TK100 0603<br>SMD RESISTOR EIA0603                         | 0010.8410.00    | PHILIPS_CO   | RC 22 H              |              |
| ..1194              | RG 6K8 +-1% TK100 0603<br>SMD RESISTOR EIA0603                          | 0009.7037.00    | DRALORIC     | CR 0603              |              |
| R1195               | RG 3R32 +-1% TK250 0603<br>SMD RESISTOR EIA0603                         | 0010.8362.00    | PHILIPS_CO   | RC 22 H              |              |
| ..1198              | RG 3R32 +-1% TK250 0603<br>SMD RESISTOR EIA0603                         | 0010.8362.00    | PHILIPS_CO   | RC 22 H              |              |
| R1199               | RG 3R32 +-1% TK250 0603<br>SMD RESISTOR EIA0603                         | 0010.8362.00    | PHILIPS_CO   | RC 22 H              |              |
| R1200               | RG 1K0 +-1% TK100 0603<br>SMD RESISTOR EIA0603                          | RG 0009.5340.00 | PHILIPS_CO   | RC 22 H              |              |
| R1201               | RG 4K7 +-1% TK100 0603<br>SMD RESISTOR EIA0603                          | 0009.7020.00    | PHILIPS_CO   | RC 22 H              |              |
| ..1203              | RG 4K7 +-1% TK100 0603<br>SMD RESISTOR EIA0603                          | 0008.9236.00    | SIEMENS      | B57621-C104-J        |              |
| R1204               | RG 12K1 +-1% TK100 0603<br>SMD RESISTOR EIA0603                         | 0010.8462.00    | DRALORIC     | CR 0603              |              |
| ..1212              | RG 18K2+-1% TK100 0603<br>SMD RESISTOR EIA0603                          | 0010.9317.00    | DRALORIC     | CR 0603              |              |
| R1213               | RG 0-OHM WIDERSTAND 0603<br>SMD RESISTOR EIA0603                        | 0009.9369.00    | PHILIPS_CO   | RC21 0 OHM           |              |
| R1214               | RG 100R 1% 1W 1218<br>SMD RESISTOR                                      | 1104.2740.00    | PHILIPS_CO   | PRC201-100R 1% TK100 |              |
| R1215               | RG 100R 1% 1W 1218<br>SMD RESISTOR                                      | 1104.2740.00    | PHILIPS_CO   | PRC201-100R 1% TK100 |              |
| R1216               | RG 200R +-1% TK100 0603<br>SMD RESISTOR EIA0603                         | 1097.6386.00    | DRALORIC     | CR 0603              |              |
| R1217               | NICHT BESTUECKT/NOT FITTED<br>RS 0,25W10K0HM +-20% SMD<br>POTENTIOMETER | RS 0007.9649.00 | BI_TECHNOL   | 23 B R... TR         |              |
| R1218               | NICHT BESTUECKT/NOT FITTED<br>RG 182K +-1% TK100 0603<br>RESISTOR       | 1093.6175.00    | DRALORIC     | CR 0603              |              |
| R1219               | RG 1,21KOHM+-1%TK100 1206<br>CHIP RESISTOR                              | RG 0006.9968.00 | ROEDERSTEI   | D25                  |              |
| R1220               | RG 1K0 +-1% TK100 1206<br>CHIP RESISTOR                                 | RG 0006.7271.00 | ROEDERSTEI   | D25                  |              |
| ..1224              | RG 0-OHM WIDERSTAND 1206<br>RESISTOR CHIP 0-OHM                         | RG 0007.5108.00 | DRALORIC     | CR 1206              |              |
| R1225               | RG 121 OHM+-1%TK100 1206<br>CHIP RESISTOR                               | RG 0006.8903.00 | PHILIPS_CO   | RC02                 |              |
| R1226               | RG 1M0 +-1% TK100 0603<br>SMD RESISTOR EIA0603                          | RG 0009.5370.00 | DRALORIC     | CR 0603              |              |
| R1250               | RG 1M0 +-1% TK100 0603<br>SMD RESISTOR EIA0603                          | RG 0009.5370.00 | DRALORIC     | CR 0603              |              |
| R1251               | RG 1M0 +-1% TK100 0603<br>SMD RESISTOR EIA0603                          | RG 0009.5370.00 | DRALORIC     | CR 0603              |              |
| R1252               | RG 1M0 +-1% TK100 0603<br>SMD RESISTOR EIA0603                          | RG 0009.5370.00 | DRALORIC     | CR 0603              |              |
| R1253               | RG 1M0 +-1% TK100 0603<br>SMD RESISTOR EIA0603                          | RG 0009.5370.00 | DRALORIC     | CR 0603              |              |
| R1300               | RG 51,1 OHM+-1%TK100 1206<br>CHIP RESISTOR                              | RG 0006.8810.00 | PHILIPS_CO   | RC02                 |              |
| R1301               | RG 51,1 OHM+-1%TK100 1206<br>CHIP RESISTOR                              | RG 0006.8810.00 | PHILIPS_CO   | RC02                 |              |
| S1                  | BM SSW-124 SPDTSWITCH<br>GAAS RF-SWITCH                                 | 1085.2222.00    | STANFORD_M   | SSW-124              |              |
| S2                  | BM SSW-124 SPDTSWITCH<br>GAAS RF-SWITCH                                 | 1085.2222.00    | STANFORD_M   | SSW-124              |              |
| T1                  | DW SYMETRIEUEBERTRAGER                                                  | 1084.9846.00    |              |                      |              |
| U1                  | BJ DAC08CS 1X8-DAC<br>D/A-CONVERTER                                     | 6024.3137.00    | PMI          | DAC08C(S)            |              |
| ..3                 | ER JPS-2-1W 2WEG-L.TEILER                                               | 1085.1603.00    | MINI-CIRCU   | JPS-2-1W             |              |
| U4                  | 2WAY POWER DIVIDER                                                      | 0520.7734.00    | SIGNETICS    | LM2903(D)            |              |
| ..6                 | BO LM2903D 2XLP COMPAR                                                  | 0520.7734.00    | SIGNETICS    | LM2903(D)            |              |
| U7                  | DUAL                                                                    |                 |              |                      |              |
| U8                  | BO LM2903D 2XLP COMPAR                                                  |                 |              |                      |              |
|                     | DUAL                                                                    |                 |              |                      |              |

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| Comp. No. | Designation                                      | Stock No.       | Manufacturer | Designation          | contained in |
|-----------|--------------------------------------------------|-----------------|--------------|----------------------|--------------|
| U9        | BM SM4T17-2 MIXER 3,4G MIXER                     | 1085.2068.00    | WATKINS-JO   | WJ-SM4T17            |              |
| U11       | BM JMS-2607 MIXER 350M MIXER MODULE              | 1085.1510.00    | MINI-CIRCU   | JMS-2607             |              |
| U12       | BM JMS-2607 MIXER 350M MIXER MODULE              | 1085.1510.00    | MINI-CIRCU   | JMS-2607             |              |
| V1        | AK BSP31 PNP 60V 1A TRAN MEDIUM POWER TRANSISTOR | 1085.1755.00    | PHILIPS_SE   | BSP31                |              |
| V2        | AK BSP31 PNP 60V 1A TRAN MEDIUM POWER TRANSISTOR | 1085.1755.00    | PHILIPS_SE   | BSP31                |              |
| V3        | AE BAR64-04 CA 2X PIN SILICON PIN DIODE          | 1039.1327.00    | SIEMENS      | BAR6404 (Q62702-A101 |              |
| V4        | AE BAR64-04 CA 2X PIN SILICON PIN DIODE          | 1039.1327.00    | SIEMENS      | BAR6404 (Q62702-A101 |              |
| V5        | AD BAV99 75V DUO UDI HIGH-SPEED DOUBLE DIODE     | AD 0911.0092.00 | VALVO        | BAV99                |              |
| V6        | AK BSP31 PNP 60V 1A TRAN MEDIUM POWER TRANSISTOR | 1085.1755.00    | PHILIPS_SE   | BSP31                |              |
| V7        | AE BZV55/C4V7 0.5W ZDI ZENER DIODE               | AE 0006.9822.00 | PHILIPS      | BZV55B4V7            |              |
| V8        | AE BAR64-04 CA 2X PIN SILICON PIN DIODE          | 1039.1327.00    | SIEMENS      | BAR6404 (Q62702-A101 |              |
| V9        | AE BAR64-04 CA 2X PIN SILICON PIN DIODE          | 1039.1327.00    | SIEMENS      | BAR6404 (Q62702-A101 |              |
| V10       | AE BZV55/C4V7 0.5W ZDI ZENER DIODE               | AE 0006.9822.00 | PHILIPS      | BZV55B4V7            |              |
| V11       | AD BAV99 75V DUO UDI HIGH-SPEED DOUBLE DIODE     | AD 0911.0092.00 | VALVO        | BAV99                |              |
| V12       | AK BSR18A P 40V 200MA TRANSISTOR                 | AK 0007.2073.00 | PHILIPS_SE   | BSR18 (BSR18A)       |              |
| V13       | AK BSR18A P 40V 200MA TRANSISTOR                 | AK 0007.2073.00 | PHILIPS_SE   | BSR18 (BSR18A)       |              |
| V14       | AK BC860B P 45V 200MA TRANSISTOR                 | AK 0007.7975.00 | MOTOROLA     | BC860B               |              |
| V15       | AK BC860B P 45V 200MA TRANSISTOR                 | AK 0007.7975.00 | MOTOROLA     | BC860B               |              |
| V16       | AD BAV99 75V DUO UDI HIGH-SPEED DOUBLE DIODE     | AD 0911.0092.00 | VALVO        | BAV99                |              |
| V17       | AD BAV99 75V DUO UDI HIGH-SPEED DOUBLE DIODE     | AD 0911.0092.00 | VALVO        | BAV99                |              |
| V18       | AE BZV55/C4V7 0.5W ZDI ZENER DIODE               | AE 0006.9822.00 | PHILIPS      | BZV55B4V7            |              |
| V19       | AK BC860B P 45V 200MA TRANSISTOR                 | AK 0007.7975.00 | MOTOROLA     | BC860B               |              |
| V23       | AD BAV99 75V DUO UDI HIGH-SPEED DOUBLE DIODE     | AD 0911.0092.00 | VALVO        | BAV99                |              |
| V24       | AD BAV99 75V DUO UDI HIGH-SPEED DOUBLE DIODE     | AD 0911.0092.00 | VALVO        | BAV99                |              |
| V25       | AE HSMS2825 1+1 SCHOTTKY SCHOTTKY DIODE PAIR     | 1010.6214.00    | HEWLETT_PA   | HSMS2825 L31         |              |
| V26       | AD BAV99 75V DUO UDI HIGH-SPEED DOUBLE DIODE     | AD 0911.0092.00 | VALVO        | BAV99                |              |
| V27       | AE BZV55/C7V5 0.5W ZDI ZENER DIODE               | AE 0007.3428.00 | PHILIPS_SE   | BZV55B7V5            |              |
| V28       | AE BAT15-03W SCHOTTKY SCHOTTKY DIODE             | 1085.1526.00    | SIEMENS      | BAT15-03W (-A1104)   |              |
| V33       | AK BC850B N 45V 200MA TRANSISTOR                 | AK 0007.7969.00 | VALVO        | BC850B               |              |
| V34       | AE BAT15-03W SCHOTTKY SCHOTTKY DIODE             | 1085.1526.00    | SIEMENS      | BAT15-03W (-A1104)   |              |
| V37       | AK BC860B P 45V 200MA TRANSISTOR                 | AK 0007.7975.00 | MOTOROLA     | BC860B               |              |
| V44       | AD BAV99 75V DUO UDI HIGH-SPEED DOUBLE DIODE     | AD 0911.0092.00 | VALVO        | BAV99                |              |
| V45       | AE BAT15-03W SCHOTTKY SCHOTTKY DIODE             | 1085.1526.00    | SIEMENS      | BAT15-03W (-A1104)   |              |
| V49       | AE BZV55/C6V8 0.5W ZDI ZENER DIODE               | AE 0006.9868.00 | PHILIPS      | BZV55/B6V8           |              |
| V50       | AE BAR64-04 CA 2X PIN SILICON PIN DIODE          | 1039.1327.00    | SIEMENS      | BAR6404 (Q62702-A101 |              |
| V51       | AE BZV55/C6V8 0.5W ZDI ZENER DIODE               | AE 0006.9868.00 | PHILIPS      | BZV55/B6V8           |              |
| V52       | AE BAR64-04 CA 2X PIN SILICON PIN DIODE          | 1039.1327.00    | SIEMENS      | BAR6404 (Q62702-A101 |              |
| V53       | AE BAR64-04 CA 2X PIN SILICON PIN DIODE          | 1039.1327.00    | SIEMENS      | BAR6404 (Q62702-A101 |              |

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| 1GPK                                                                                                              | 887 3PLU | Äl       | Datum<br>Date                       | Schaltteilliste für<br>Parts list for | Sachnummer<br>Stock No. | Blatt-Nr.<br>Page |
|-------------------------------------------------------------------------------------------------------------------|----------|----------|-------------------------------------|---------------------------------------|-------------------------|-------------------|
| <br><b>ROHDE &amp; SCHWARZ</b> | 68       | 07.10.99 | EE IQ-MODULATOR<br><br>IQ-MODULATOR | <b>1084.9800.01 SA</b>                | 45+                     |                   |

| Kennz.<br>Comp. No. | Benennung<br>Designation                             | Sachnummer<br>Stock No. | Hersteller<br>Manufacturer | Designation           | contained in |
|---------------------|------------------------------------------------------|-------------------------|----------------------------|-----------------------|--------------|
| V54                 | AE BZV55/C6V8 0,5W ZDI<br>ZENER DIODE                | AE 0006.9868.00         | PHILIPS                    | BZV55/B6V8            |              |
| V55                 | AE BZV55/C5V1 0.5W ZDI<br>ZENER DIODE                | AE 0006.9839.00         | PHILIPS_SE                 | BZV55B5V1 (GEG)       |              |
| V56                 | AK BC860B P 45V 200MA<br>TRANSISTOR                  | AK 0007.7975.00         | MOTOROLA                   | BC860B                |              |
| V57                 | AE BZV55/C3V3 0,5W ZDI<br>ZENER DIODE                | AE 0006.9800.00         | PHILIPS_SE                 | BZV55B3V3             |              |
| V58                 | AK BCP69-25 P 20V TRANS<br>MEDIUM POWER TRANSISTOR   | 0008.2002.00            | PHILIPS                    | BCP 69-16 (25)        |              |
| V59                 | AD BAV99 75V DUO UDI<br>HIGH-SPEED DOUBLE DIODE      | AD 0911.0092.00         | VALVO                      | BAV99                 |              |
| V60                 | AK BCP68-16 N 20V TRANS<br>MEDIUM POWER TRANSISTOR   | 0008.2019.00            | PHILIPS                    | BCP68-25              |              |
| V61                 | AE BZV55/C5V1 0.5W ZDI<br>ZENER DIODE                | AE 0006.9839.00         | PHILIPS_SE                 | BZV55B5V1 (GEG)       |              |
| V62                 | AE BZV55/C3V9 0,5W ZDI<br>ZENER DIODE                | AE 0006.9816.00         | PHILIPS_SE                 | BZV55B3V9             |              |
| V63                 | AE BZV55/C5V1 0.5W ZDI<br>ZENER DIODE                | AE 0006.9839.00         | PHILIPS_SE                 | BZV55B5V1 (GEG)       |              |
| V64                 | AK BC850B N 45V 200MA<br>TRANSISTOR                  | AK 0007.7969.00         | VALVO                      | BC850B                |              |
| V65                 | AK BSR13 N 30V 800MA<br>TRANSISTOR                   | AK 0007.2209.00         | VALVO                      | BSR 13                |              |
| V66                 | AK BSR13 N 30V 800MA<br>TRANSISTOR                   | AK 0007.2209.00         | VALVO                      | BSR 13                |              |
| V67                 | AK BC850B N 45V 200MA<br>TRANSISTOR                  | AK 0007.7969.00         | VALVO                      | BC850B                |              |
| V68                 | AK BSR13 N 30V 800MA<br>TRANSISTOR                   | AK 0007.2209.00         | VALVO                      | BSR 13                |              |
| V69                 | AK BC850B N 45V 200MA<br>TRANSISTOR                  | AK 0007.7969.00         | VALVO                      | BC850B                |              |
| V70                 | AK BC850B N 45V 200MA<br>TRANSISTOR                  | AK 0007.7969.00         | VALVO                      | BC850B                |              |
| V71                 | AE BAR64-04 CA 2X PIN<br>SILICON PIN DIODE           | 1039.1327.00            | SIEMENS                    | BAR6404 (Q62702-A101) |              |
| V72                 | AE BZV55/C5V6 0.5W ZDI<br>ZENER DIODE                | AE 0006.9845.00         | PHILIPS                    | BZV55B5V6             |              |
| V73                 | AD BAS16 75V UDI<br>HIGH-SPEED DIODE                 | AD 0007.4924.00         | VALVO                      | BAS16 (A6P)           |              |
| V74                 | AE BZV55/C5V6 0.5W ZDI<br>ZENER DIODE                | AE 0006.9845.00         | PHILIPS                    | BZV55B5V6             |              |
| V75                 | AK BFG135 NPN 15V 150MA<br>7 GHZ WIDEBAND TRANSISTOR | 2023.0639.00            | PHILIPS                    | BFG135                |              |
| V76                 | AK BC860B P 45V 200MA<br>TRANSISTOR                  | AK 0007.7975.00         | MOTOROLA                   | BC860B                |              |
| V77                 | AK BFG135 NPN 15V 150MA<br>7 GHZ WIDEBAND TRANSISTOR | 2023.0639.00            | PHILIPS                    | BFG135                |              |
| V78                 | AK BC860B P 45V 200MA<br>TRANSISTOR                  | AK 0007.7975.00         | MOTOROLA                   | BC860B                |              |
| V79                 | AD BAV99 75V DUO UDI<br>HIGH-SPEED DOUBLE DIODE      | AD 0911.0092.00         | VALVO                      | BAV99                 |              |
| V80                 | AK BFG135 NPN 15V 150MA<br>7 GHZ WIDEBAND TRANSISTOR | 2023.0639.00            | PHILIPS                    | BFG135                |              |
| V84                 | AE BZV55/C4V7 0.5W ZDI<br>ZENER DIODE                | AE 0006.9822.00         | PHILIPS                    | BZV55B4V7             |              |
| V85                 | AE BZV55/C5V6 0.5W ZDI<br>ZENER DIODE                | AE 0006.9845.00         | PHILIPS                    | BZV55B5V6             |              |
| V88                 | AD BAV99 75V DUO UDI<br>HIGH-SPEED DOUBLE DIODE      | AD 0911.0092.00         | VALVO                      | BAV99                 |              |
| V89                 | AK BSR18A P 40V 200MA<br>TRANSISTOR                  | AK 0007.2073.00         | PHILIPS_SE                 | BSR18 (BSR18A)        |              |
| V90                 | AK BSR13 N 30V 800MA<br>TRANSISTOR                   | AK 0007.2209.00         | VALVO                      | BSR 13                |              |
| V91                 | AK BSR13 N 30V 800MA<br>TRANSISTOR                   | AK 0007.2209.00         | VALVO                      | BSR 13                |              |
| V92                 | AK BC850B N 45V 200MA<br>TRANSISTOR                  | AK 0007.7969.00         | VALVO                      | BC850B                |              |
| V93                 | AK BC850B N 45V 200MA<br>TRANSISTOR                  | AK 0007.7969.00         | VALVO                      | BC850B                |              |
| V94                 | AD BAV99 75V DUO UDI<br>HIGH-SPEED DOUBLE DIODE      | AD 0911.0092.00         | VALVO                      | BAV99                 |              |
| V98                 | AE BZV55/C5V1 0.5W ZDI<br>ZENER DIODE                | AE 0006.9839.00         | PHILIPS_SE                 | BZV55B5V1 (GEG)       |              |
| V99                 | AM SHF0186K 9V GAASF<br>0.5-4GHZ GAAS FET            | 1085.1655.00            | STANFORD_M                 | SHF-0186K4230TR       |              |
| V100                | AE BZV55/C2V7 0,5W ZDI<br>ZENER DIODE                | AE 0007.3411.00         | PHILIPS_SE                 | BZV55B2V7             |              |

|                                                                                                                   |     |          |    |                                     |                                       |                         |                   |
|-------------------------------------------------------------------------------------------------------------------|-----|----------|----|-------------------------------------|---------------------------------------|-------------------------|-------------------|
| 1GPK                                                                                                              | 887 | 3PLU     | Äl | Datum<br>Date                       | Schaltteilliste für<br>Parts list for | Sachnummer<br>Stock No. | Blatt-Nr.<br>Page |
| <br><b>ROHDE &amp; SCHWARZ</b> | 68  | 07.10.99 |    | EE IQ-MODULATOR<br><br>IQ-MODULATOR |                                       | <b>1084.9800.01 SA</b>  | 46+               |

| Comp. No. | Designation                                            | Stock No.       | Manufacturer | Designation           | contained in |
|-----------|--------------------------------------------------------|-----------------|--------------|-----------------------|--------------|
| V101      | AD BAV99 75V DUO UDI<br>HIGH-SPEED DOUBLE DIODE        | AD 0911.0092.00 | VALVO        | BAV99                 |              |
| V102      | AM SHFO186K 9V GAASF<br>0.5-4GHZ GAAS FET              | 1085.1655.00    | STANFORD_M   | SHF-O186K4230TR       |              |
| V103      | AM SHFO186K 9V GAASF<br>0.5-4GHZ GAAS FET              | 1085.1655.00    | STANFORD_M   | SHF-O186K4230TR       |              |
| V104      | AM SHFO189 12V GAASF<br>0.5-3.3GHZ GAAS FET            | 1085.2351.00    | STANFORD_M   | SHF-O189-TR1          |              |
| V105      | AE HSMS2825 1+1 SCHOTTKY<br>SCHOTTKY DIODE PAIR        | 1010.6214.00    | HEWLETT_PA   | HSMS2825 L31          |              |
| V106      | AE BAT62-03W 1X SCHOTTKY<br>DIODE                      | 0856.7095.00    | SIEMENS      | BAT62-03W             |              |
| V107      | AE BAT62-03W 1X SCHOTTKY<br>DIODE                      | 0856.7095.00    | SIEMENS      | BAT62-03W             |              |
| V108      | AE BAR63-03W PIN<br>PIN DIODE                          | 1051.4851.00    | SIEMENS      | BAR63-03W (-A1025)    |              |
| V109      | AE HSMS2825 1+1 SCHOTTKY<br>SCHOTTKY DIODE PAIR        | 1010.6214.00    | HEWLETT_PA   | HSMS2825 L31          |              |
| V110      | AE BAR63-03W PIN<br>PIN DIODE                          | 1051.4851.00    | SIEMENS      | BAR63-03W (-A1025)    |              |
| V111      | AK BFG540/X NPN 15V 120MA<br>9 GHZ WIDEBAND TRANSISTOR | 1062.6496.00    | PHILIPS      | BFG540/X              |              |
| V112      | AK BC860B P 45V 200MA<br>TRANSISTOR                    | AK 0007.7975.00 | MOTOROLA     | BC860B                |              |
| V113      | AD BAV99 75V DUO UDI<br>HIGH-SPEED DOUBLE DIODE        | AD 0911.0092.00 | VALVO        | BAV99                 |              |
| V114      | AD BAV99 75V DUO UDI<br>HIGH-SPEED DOUBLE DIODE        | AD 0911.0092.00 | VALVO        | BAV99                 |              |
| V115      | AK BC860B P 45V 200MA<br>TRANSISTOR                    | AK 0007.7975.00 | MOTOROLA     | BC860B                |              |
| V117      | AE BAR64-04 CA 2X PIN<br>SILICON PIN DIODE             | 1039.1327.00    | SIEMENS      | BAR6404 (Q62702-A101) |              |
| V118      | AD BAV99 75V DUO UDI<br>HIGH-SPEED DOUBLE DIODE        | AD 0911.0092.00 | VALVO        | BAV99                 |              |
| V119      | AK BCP68-16 N 20V TRANS<br>MEDIUM POWER TRANSISTOR     | 0008.2019.00    | PHILIPS      | BCP68-25              |              |
| V120      | AK BSR13 N 30V 800MA<br>TRANSISTOR                     | AK 0007.2209.00 | VALVO        | BSR 13                |              |
| V121      | AE BB535 18,7/2,1P CDI<br>TUNING DIODE                 | 1039.3107.00    | SIEMENS      | BB535/Q62702-B580     |              |
| V122      | AE BZV55/C5V1 0.5W ZDI<br>ZENER DIODE                  | AE 0006.9839.00 | PHILIPS_SE   | BZV55B5V1 (GEG)       |              |
| V123      | AD BAV99 75V DUO UDI<br>HIGH-SPEED DOUBLE DIODE        | AD 0911.0092.00 | VALVO        | BAV99                 |              |
| V124      | AE BZV55/C7V5 0.5W ZDI<br>ZENER DIODE                  | AE 0007.3428.00 | PHILIPS_SE   | BZV55B7V5             |              |
| V125      | AK BSR13 N 30V 800MA<br>TRANSISTOR                     | AK 0007.2209.00 | VALVO        | BSR 13                |              |
| V126      | AE BZV55/C5V1 0.5W ZDI<br>ZENER DIODE                  | AE 0006.9839.00 | PHILIPS_SE   | BZV55B5V1 (GEG)       |              |
| V127      | AK BSR13 N 30V 800MA<br>TRANSISTOR                     | AK 0007.2209.00 | VALVO        | BSR 13                |              |
| V128      | AK BSR18A P 40V 200MA<br>TRANSISTOR                    | AK 0007.2073.00 | PHILIPS_SE   | BSR18 (BSR18A)        |              |
| V129      | AD BAV99 75V DUO UDI<br>HIGH-SPEED DOUBLE DIODE        | AD 0911.0092.00 | VALVO        | BAV99                 |              |
| V130      | AK BSR18A P 40V 200MA<br>TRANSISTOR                    | AK 0007.2073.00 | PHILIPS_SE   | BSR18 (BSR18A)        |              |
| V131      | AK BC850B N 45V 200MA<br>TRANSISTOR                    | AK 0007.7969.00 | VALVO        | BC850B                |              |
| V132      | AE BZV55/C5V1 0.5W ZDI<br>ZENER DIODE                  | AE 0006.9839.00 | PHILIPS_SE   | BZV55B5V1 (GEG)       |              |
| V133      | AM SHFO186K 9V GAASF<br>0.5-4GHZ GAAS FET              | 1085.1655.00    | STANFORD_M   | SHF-O186K4230TR       |              |
| V134      | AK BFP450 NPN 4,5V 100MA<br>RF-TRANSISTOR NPN          | 4048.1483.00    | SIEMENS      | BFP450 (-F1590)       |              |
| V135      | AK BC860B P 45V 200MA<br>TRANSISTOR                    | AK 0007.7975.00 | MOTOROLA     | BC860B                |              |
| V136      | AK BSR18A P 40V 200MA<br>TRANSISTOR                    | AK 0007.2073.00 | PHILIPS_SE   | BSR18 (BSR18A)        |              |
| V137      | AM SST108 N-D 25V JFET<br>JUNCTION FET                 | 6007.3949.00    | SILICONIX    | SST108                |              |
| V138      | AK BSR18A P 40V 200MA<br>TRANSISTOR                    | AK 0007.2073.00 | PHILIPS_SE   | BSR18 (BSR18A)        |              |
| V139      | AE BZV55/C6V2 0.5W ZDI<br>ZENER DIODE                  | AE 0006.9851.00 | PHILIPS      | BZV55B6V2             |              |
| V140      | AK BFP450 NPN 4,5V 100MA<br>RF-TRANSISTOR NPN          | 4048.1483.00    | SIEMENS      | BFP450 (-F1590)       |              |

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| 1GPK                                                                                | 887 3PLU | Äl | Datum<br>Date | Schaltteilliste für<br>Parts list for | Sachnummer<br>Stock No. | Blatt-Nr.<br>Page |
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|  |          | 68 | 07.10.99      | EE IQ-MODULATOR<br>IQ-MODULATOR       | <b>1084.9800.01 SA</b>  | 47+               |

| Kennz.<br>Comp. No. | Benennung<br>Designation                           | Stock No.       | Manufacturer | Designation          | contained in |
|---------------------|----------------------------------------------------|-----------------|--------------|----------------------|--------------|
| V155                | AK BC850B N 45V 200MA<br>TRANSISTOR                | AK 0007.7969.00 | VALVO        | BC850B               |              |
| V156                | AE BAT62-03W 1X SCHOTTKY<br>DIODE                  | 0856.7095.00    | SIEMENS      | BAT62-03W            |              |
| V157                | AE BAT62-03W 1X SCHOTTKY<br>DIODE                  | 0856.7095.00    | SIEMENS      | BAT62-03W            |              |
| V158                | AK BSR18A P 40V 200MA<br>TRANSISTOR                | AK 0007.2073.00 | PHILIPS_SE   | BSR18 (BSR18A)       |              |
| V159                | AK BSR18A P 40V 200MA<br>TRANSISTOR                | AK 0007.2073.00 | PHILIPS_SE   | BSR18 (BSR18A)       |              |
| V160                | AE HSMS2825 1+1 SCHOTTKY<br>SCHOTTKY DIODE PAIR    | 1010.6214.00    | HEWLETT_PA   | HSMS2825 L31         |              |
| V161                | AK BSR13 N 30V 800MA<br>TRANSISTOR                 | AK 0007.2209.00 | VALVO        | BSR 13               |              |
| V162                | AK BSR13 N 30V 800MA<br>TRANSISTOR                 | AK 0007.2209.00 | VALVO        | BSR 13               |              |
| V163                | AK BSR18A P 40V 200MA<br>TRANSISTOR                | AK 0007.2073.00 | PHILIPS_SE   | BSR18 (BSR18A)       |              |
| V164                | AK BSR18A P 40V 200MA<br>TRANSISTOR                | AK 0007.2073.00 | PHILIPS_SE   | BSR18 (BSR18A)       |              |
| V165                | AD BAV99 75V DUO UDI<br>HIGH-SPEED DOUBLE DIODE    | AD 0911.0092.00 | VALVO        | BAV99                |              |
| V166                | AE BZX284-B3V3 0,4W ZDI<br>ZENER DIODE             | 0048.3474.00    | PHILIPS_SE   | BZX284-B3V3          |              |
| V167                | AK BCP68-16 N 20V TRANS<br>MEDIUM POWER TRANSISTOR | 0008.2019.00    | PHILIPS      | BCP68-25             |              |
| V168                | AE HSMS2825 1+1 SCHOTTKY<br>SCHOTTKY DIODE PAIR    | 1010.6214.00    | HEWLETT_PA   | HSMS2825 L31         |              |
| V169                | AE HSMS2825 1+1 SCHOTTKY<br>SCHOTTKY DIODE PAIR    | 1010.6214.00    | HEWLETT_PA   | HSMS2825 L31         |              |
| V170                | AE BAR63-03W PIN<br>PIN DIODE                      | 1051.4851.00    | SIEMENS      | BAR63-03W (-A1025)   |              |
| V171                | AE BAR63-03W PIN<br>PIN DIODE                      | 1051.4851.00    | SIEMENS      | BAR63-03W (-A1025)   |              |
| V172                | AE HSMS2825 1+1 SCHOTTKY<br>SCHOTTKY DIODE PAIR    | 1010.6214.00    | HEWLETT_PA   | HSMS2825 L31         |              |
| V177                | AM SST108 N-D 25V JFET<br>JUNCTION FET             | 6007.3949.00    | SILICONIX    | SST108               |              |
| V178                | BM AFO02C1-39 GAASFETSWI<br>GAAS IC CONTROL FET    | 1085.2316.00    | ALPHA_IND    | AFO02C1-39           |              |
| V181                | BM AFO02C1-39 GAASFETSWI<br>GAAS IC CONTROL FET    | 1085.2316.00    | ALPHA_IND    | AFO02C1-39           |              |
| V182                | AM SST108 N-D 25V JFET<br>JUNCTION FET             | 6007.3949.00    | SILICONIX    | SST108               |              |
| V183                | BM AFO02C1-39 GAASFETSWI<br>GAAS IC CONTROL FET    | 1085.2316.00    | ALPHA_IND    | AFO02C1-39           |              |
| V184                | AM SST108 N-D 25V JFET<br>JUNCTION FET             | 6007.3949.00    | SILICONIX    | SST108               |              |
| V189                | BM AFO02C1-39 GAASFETSWI<br>GAAS IC CONTROL FET    | 1085.2316.00    | ALPHA_IND    | AFO02C1-39           |              |
| V190                | BM AFO02C1-39 GAASFETSWI<br>GAAS IC CONTROL FET    | 1085.2316.00    | ALPHA_IND    | AFO02C1-39           |              |
| V191                | AM SST108 N-D 25V JFET<br>JUNCTION FET             | 6007.3949.00    | SILICONIX    | SST108               |              |
| V192                | AM SST108 N-D 25V JFET<br>JUNCTION FET             | 6007.3949.00    | SILICONIX    | SST108               |              |
| V193                | AE BZV55/C3V3 0,5W ZDI<br>ZENER DIODE              | AE 0006.9800.00 | PHILIPS_SE   | BZV55B3V3            |              |
| V194                | AE BZV55/C2V7 0,5W ZDI<br>ZENER DIODE              | AE 0007.3411.00 | PHILIPS_SE   | BZV55B2V7            |              |
| V195                |                                                    |                 |              |                      |              |
| X1                  | FJ EINLOETBUCHSE MMCX SMD<br>CONNECTOR             | 1075.4045.00    | SUHNER       | 82MMCX-S50-0-51/1110 |              |
| X5                  | FP E-PRESS STIFTELEISTE 2P<br>CONNECTOR            | 0048.4706.00    |              |                      |              |
| X6                  | FP E-PRESS STIFTELEISTE 2P<br>CONNECTOR            | 0048.4706.00    |              |                      |              |
| X7                  | FP E-PRESS STIFTELEISTE 2P<br>CONNECTOR            | 0048.4706.00    |              |                      |              |
| X8                  | FP E-PRESS STIFTELEISTE 2P<br>CONNECTOR            | 0048.4706.00    |              |                      |              |
| X11                 | FP STECKERLEISTE 32POL.<br>CONNECTOR 32P.          | FP 0008.5718.00 | DEUT_ELCD    | 16 8457 064 002 027  |              |
| X240                | FJ EINLOETBUCHSE MMCX<br>CONNECTOR                 | 1085.1532.00    | SUHNER       | 82MMCXS50-0-2/111KG  |              |
| X241                | FJ EINLOETBUCHSE SMA<br>CONNECTOR                  | 1085.1726.00    | SUHNER       | 82SMA-S-50-0-45/111N |              |
| X246                | FJ EINLOETBUCHSE MMCX<br>CONNECTOR                 | 1085.1532.00    | SUHNER       | 82MMCXS50-0-2/111KG  |              |
| X247                | FJ EINLOETBUCHSE SMA<br>CONNECTOR                  | 1085.1726.00    | SUHNER       | 82SMA-S-50-0-45/111N |              |
| X248                | FJ EINLOETBUCHSE MMCX<br>CONNECTOR                 | 1085.1532.00    | SUHNER       | 82MMCXS50-0-2/111KG  |              |
| X249                | FJ EINLOETBUCHSE SMA<br>CONNECTOR                  | 1085.1726.00    | SUHNER       | 82SMA-S-50-0-45/111N |              |
| Z1                  | LD T-FILTER 3,3NF SMD<br>SMD-FILTER                | 1039.1362.00    | MURATA       | NFM61R20T332T1       |              |
| Z3                  |                                                    |                 |              |                      |              |

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| <br><b>ROHDE &amp; SCHWARZ</b> | 68       | 07. 10. 99 | EE IQ-MODULATOR<br>IQ-MODULATOR | <b>1084.9800.01 SA</b>                | 48+                     |                   |

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| Comp. No. | Designation                           | Stock No.    | Manufacturer | Designation    | contained in |
|-----------|---------------------------------------|--------------|--------------|----------------|--------------|
| Z4        | LD T-FILTER 33PF<br>SMD-T-FILTER 33PF | 1062.6744.00 | MURATA       | NFM61ROOT330   |              |
| Z5        | LD T-FILTER 33PF<br>SMD-T-FILTER 33PF | 1062.6744.00 | MURATA       | NFM61ROOT330   |              |
| Z6        | LD T-FILTER 100PF<br>SMD-FILTER       | 1039.1356.00 | MURATA       | NFM61ROOT101T1 |              |
| ..18      | LD PI-FILTER 2X1NF                    | 4024.7152.00 | TUSONIX      | 4700-003       |              |
| Z19       | SMD-CERAMIC-PI-FILTER                 |              |              |                |              |
| ..23      | LD T-FILTER 33PF                      | 1062.6744.00 | MURATA       | NFM61ROOT330   |              |
| Z24       | SMD-T-FILTER 33PF                     |              |              |                |              |

|                                                                                                                   |     |      |    |               |                                      |                         |                   |
|-------------------------------------------------------------------------------------------------------------------|-----|------|----|---------------|--------------------------------------|-------------------------|-------------------|
| 1GPK                                                                                                              | 887 | 3PLU | Äl | Datum<br>Date | Sche/teilliste für<br>Parts list for | Sachnummer<br>Stock No. | Blatt-Nr.<br>Page |
| <br><b>ROHDE &amp; SCHWARZ</b> |     |      | 68 | 07. 10. 99    | EE IQ-MODULATOR<br><br>IQ-MODULATOR  | <b>1084.9800.01 SA</b>  | 49-               |



**ROHDE & SCHWARZ**

## **XY-Liste**

## **XY List**

### **Erklärung der Spaltenbezeichnungen:**

|                    |                                                                                                    |
|--------------------|----------------------------------------------------------------------------------------------------|
| <b>el. Kennz.</b>  | <b>Bauelement-Kennzeichen</b>                                                                      |
| <b>Seite</b>       | <b>Leiterplatten-Seite, auf der sich das Bauelement befindet</b>                                   |
| <b>X/Y</b>         | <b>Koordinaten (in Millimeter) des Bauelementes auf der Leiterplatte bezogen auf den Nullpunkt</b> |
| <b>Planq., Bl.</b> | <b>Planquadrat und Seite des Schaltbildes für das jeweilige Bauelement</b>                         |

### **Explanation of column designations:**

|                |                                                                                                          |
|----------------|----------------------------------------------------------------------------------------------------------|
| <b>Part</b>    | <b>Identification of instrument part</b>                                                                 |
| <b>Side</b>    | <b>Side of the PC board on which instrument part is positioned</b>                                       |
| <b>X/Y</b>     | <b>Coordinates (in units of millimeters) of the component on the PC board in reference to zero point</b> |
| <b>Sqr, Pg</b> | <b>Square and page of the diagram for the respective instrument part</b>                                 |



# Service-Relevante Bauteile / Service-Relevant Components

| el. Kennz.<br>Part | Seite<br>Side | X   | Y  | Planq.<br>Sqr | Bl.<br>Pg | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg |
|--------------------|---------------|-----|----|---------------|-----------|--------------------|---------------|-----|-----|---------------|-----------|--------------------|---------------|-----|-----|---------------|-----------|
| P1                 | B             | 206 | 46 | 11D           | 3         | P20                | B             | 154 | 132 | 6C            | 10        | P40                | B             | 35  | 18  | 6C            | 9         |
| P2                 | B             | 206 | 44 | 11D           | 3         | P21                | B             | 84  | 32  | 10B           | 9         | P41                | B             | 60  | 43  | 4C            | 10        |
| P3                 | B             | 206 | 41 | 11E           | 3         | P22                | B             | 77  | 17  | 10D           | 9         | P42                | B             | 158 | 105 | 6D            | 10        |
| P5                 | B             | 96  | 37 | 5D            | 3         | P23                | B             | 173 | 97  | 7C            | 5         | P43                | B             | 44  | 126 | 5A            | 10        |
| P6                 | B             | 125 | 90 | 5D            | 3         | P24                | B             | 182 | 89  | 6D            | 5         | P44                | B             | 51  | 49  | 4F            | 16        |
| P7                 | B             | 150 | 37 | 5D            | 3         | P25                | B             | 91  | 95  | 11C           | 22        | P45                | B             | 54  | 48  | 5E            | 16        |
| P8                 | B             | 99  | 37 | 5D            | 3         | P26                | B             | 91  | 92  | 10A           | 22        | R51                | B             | 147 | 41  | 7C            | 21        |
| P9                 | B             | 131 | 68 | 11A           | 3         | P29                | B             | 203 | 97  | 4B            | 5         | R124               | B             | 168 | 72  | 6B            | 6         |
| P10                | B             | 138 | 37 | 8C            | 21        | P32                | B             | 85  | 63  | 4B            | 10        | R125               | B             | 286 | 63  | 7C            | 19        |
| P11                | B             | 164 | 35 | 6B            | 21        | P33                | B             | 221 | 72  | 7D            | 12        | R516               | B             | 182 | 91  | 2C            | 5         |
| P12                | B             | 177 | 44 | 3B            | 21        | P35                | B             | 75  | 63  | 5A            | 9         | R683               | B             | 30  | 140 | 8B            | 14        |
| P13                | B             | 156 | 83 | 11C           | 21        | P36                | B             | 85  | 44  | 5C            | 9         | R929               | B             | 134 | 143 | 5C            | 10        |
| P14                | B             | 190 | 40 | 4A            | 6         | P37                | B             | 60  | 40  | 6A            | 9         | R930               | B             | 51  | 84  | 6A            | 16        |
| P18                | B             | 29  | 68 | 5C            | 15        | P38                | B             | 42  | 16  | 6B            | 9         | R968               | B             | 220 | 129 | 5C            | 20        |
| P19                | B             | 27  | 60 | 6C            | 15        | P39                | B             | 35  | 21  | 6C            | 9         |                    |               |     |     |               |           |

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|                                                                                                                |  |                                                         |  |                         |  |                    |  |                                       |  |
|----------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------|--|-------------------------|--|--------------------|--|---------------------------------------|--|
|  <b>ROHDE &amp; SCHWARZ</b> |  | Benennung: EE IQ-MODULATOR<br>Designation: IQ-MODULATOR |  | Sprache: de<br>Lang.:   |  | Blatt: 1 +<br>Sh.: |  | Aei: 08.11<br>C.I.:                   |  |
| Typ: SMIQ<br>Type:                                                                                             |  | Datum: 99-05-17<br>Date:                                |  | Abteilung: 1GPK<br>Dpt: |  | Name: HO<br>Name:  |  | Sachnr.: 1084.9800.01 XY<br>Part No.: |  |

# Nicht-Service-Relevante Bauteile / Non-Service-Relevant Components

| el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg |
|--------------------|---------------|-----|-----|---------------|-----------|--------------------|---------------|-----|-----|---------------|-----------|--------------------|---------------|-----|-----|---------------|-----------|
| B1                 | B             | 150 | 125 | 9B            | 12        | C74                | B             | 134 | 43  | 1F            | 3         | C148               | A             | 25  | 77  | 6F            | 15        |
| C1                 | A             | 102 | 130 | 6A            | 5         | C75                | B             | 135 | 69  | 7E            | 4         | C149               | B             | 224 | 82  | 9E            | 20        |
| C2                 | A             | 89  | 132 | 6B            | 5         | C76                | A             | 125 | 53  | 8E            | 4         | C150               | A             | 275 | 135 | 8C            | 18        |
| C3                 | B             | 76  | 93  | 3C            | 8         | C77                | A             | 127 | 74  | 5E            | 4         | C151               | A             | 230 | 22  | 2B            | 17        |
| C4                 | B             | 77  | 75  | 2C            | 8         | C78                | A             | 138 | 61  | 8C            | 21        | C152               | A             | 297 | 115 | 3C            | 19        |
| C5                 | A             | 181 | 57  | 3B            | 21        | C79                | A             | 140 | 71  | 9B            | 21        | C153               | A             | 294 | 98  | 3F            | 19        |
| C6                 | B             | 71  | 128 | 9B            | 13        | C80                | A             | 173 | 65  | 5E            | 21        | C154               | A             | 280 | 102 | 3E            | 19        |
| C7                 | B             | 63  | 130 | 10B           | 13        | C81                | A             | 173 | 61  | 6E            | 21        | C155               | A             | 282 | 79  | 4E            | 19        |
| C8                 | B             | 71  | 105 | 9E            | 13        | C82                | A             | 179 | 72  | 5F            | 21        | C156               | A             | 294 | 78  | 4F            | 19        |
| C9                 | B             | 63  | 107 | 10D           | 13        | C83                | A             | 141 | 53  | 8E            | 21        | C157               | A             | 223 | 57  | 5E            | 3         |
| C10                | B             | 19  | 38  | 9C            | 15        | C84                | A             | 152 | 45  | 9E            | 21        | C158               | A             | 201 | 77  | 6F            | 3         |
| C11                | B             | 19  | 31  | 10B           | 15        | C85                | A             | 125 | 92  | 11E           | 21        | C159               | B             | 200 | 79  | 3E            | 6         |
| C12                | A             | 12  | 71  | 8A            | 11        | C86                | B             | 263 | 107 | 3D            | 18        | C160               | B             | 61  | 57  | 5B            | 7         |
| C13                | A             | 12  | 97  | 9A            | 11        | C87                | B             | 175 | 51  | 7E            | 6         | C161               | B             | 279 | 92  | 3B            | 19        |
| C14                | A             | 20  | 45  | 7B            | 11        | C88                | B             | 163 | 37  | 7F            | 6         | C162               | A             | 275 | 77  | 6E            | 19        |
| C15                | B             | 43  | 75  | 5B            | 16        | C89                | B             | 182 | 74  | 4C            | 6         | C163               | B             | 299 | 67  | 7D            | 19        |
| C16                | A             | 249 | 71  | 5E            | 22        | C90                | B             | 19  | 34  | 10C           | 15        | C164               | B             | 276 | 70  | 5B            | 19        |
| C17                | B             | 161 | 135 | 7B            | 12        | C91                | A             | 26  | 28  | 10D           | 15        | C165               | B             | 283 | 49  | 7A            | 19        |
| C18                | B             | 152 | 137 | 8A            | 12        | C92                | B             | 46  | 25  | 11D           | 7         | C166               | A             | 243 | 83  | 7A            | 17        |
| C19                | B             | 289 | 137 | 9E            | 18        | C93                | A             | 82  | 130 | 8E            | 10        | C167               | A             | 240 | 59  | 5B            | 17        |
| C20                | B             | 289 | 135 | 9D            | 18        | C94                | A             | 96  | 74  | 9E            | 10        | C168               | B             | 288 | 132 | 10E           | 18        |
| C21                | A             | 205 | 48  | 10D           | 3         | C95                | A             | 114 | 75  | 9E            | 10        | C169               | B             | 54  | 39  | 3E            | 7         |
| C22                | B             | 189 | 52  | 4A            | 6         | C96                | A             | 151 | 134 | 10E           | 10        | C170               | B             | 77  | 57  | 4E            | 7         |
| C23                | B             | 110 | 133 | 5B            | 13        | C97                | A             | 140 | 133 | 10E           | 10        | C171               | B             | 65  | 63  | 5E            | 7         |
| C24                | B             | 110 | 127 | 6A            | 13        | C98                | A             | 23  | 91  | 5E            | 11        | C172               | B             | 82  | 41  | 5F            | 7         |
| C25                | B             | 77  | 110 | 9D            | 13        | C99                | A             | 126 | 138 | 3E            | 10        | C173               | B             | 71  | 52  | 6F            | 7         |
| C26                | B             | 77  | 133 | 9B            | 13        | C100               | A             | 75  | 30  | 1E            | 11        | C174               | B             | 67  | 47  | 4E            | 7         |
| C27                | B             | 77  | 141 | 9A            | 13        | C101               | A             | 59  | 32  | 1E            | 11        | C175               | A             | 140 | 50  | 8C            | 21        |
| C28                | B             | 110 | 104 | 6D            | 13        | C102               | B             | 11  | 87  | 4D            | 11        | C176               | B             | 170 | 80  | 7B            | 6         |
| C29                | B             | 111 | 110 | 5D            | 13        | C103               | B             | 15  | 64  | 4F            | 11        | C177               | B             | 79  | 44  | 5C            | 7         |
| C30                | B             | 77  | 119 | 9D            | 13        | C104               | A             | 20  | 48  | 6E            | 11        | C178               | A             | 121 | 127 | 3E            | 5         |
| C31                | A             | 35  | 103 | 3E            | 15        | C105               | A             | 22  | 29  | 2E            | 11        | C180               | B             | 12  | 107 | 11B           | 14        |
| C32                | B             | 17  | 48  | 7B            | 15        | C106               | A             | 11  | 49  | 5E            | 11        | C181               | B             | 74  | 67  | 4C            | 7         |
| C33                | B             | 29  | 76  | 5C            | 15        | C107               | B             | 293 | 23  | 10B           | 19        | C182               | B             | 61  | 59  | 6B            | 7         |
| C34                | B             | 11  | 50  | 7B            | 15        | C108               | A             | 148 | 83  | 7B            | 21        | C183               | B             | 73  | 47  | 6C            | 7         |
| C35                | B             | 88  | 139 | 4B            | 8         | C109               | A             | 127 | 68  | 3E            | 9         | C184               | B             | 79  | 37  | 4D            | 7         |
| C36                | B             | 88  | 116 | 11C           | 8         | C110               | A             | 16  | 88  | 6E            | 15        | C185               | A             | 16  | 82  | 8A            | 11        |
| C37                | B             | 11  | 92  | 10A           | 11        | C111               | A             | 38  | 55  | 3A            | 16        | C186               | A             | 25  | 98  | 9A            | 11        |
| C38                | A             | 267 | 104 | 2B            | 18        | C112               | A             | 47  | 82  | 6E            | 16        | C187               | B             | 13  | 96  | 10B           | 11        |
| C39                | B             | 44  | 85  | 7B            | 16        | C113               | A             | 47  | 49  | 6E            | 16        | C188               | A             | 264 | 55  | 11D           | 22        |
| C40                | B             | 49  | 53  | 2B            | 16        | C114               | A             | 50  | 67  | 7E            | 16        | C189               | A             | 75  | 40  | 5C            | 9         |
| C41                | B             | 37  | 66  | 3A            | 16        | C115               | A             | 41  | 92  | 6E            | 16        | C190               | A             | 81  | 57  | 5B            | 9         |
| C42                | B             | 170 | 115 | 5B            | 12        | C116               | A             | 43  | 58  | 7E            | 16        | C191               | A             | 44  | 74  | 9A            | 16        |
| C43                | B             | 168 | 124 | 6B            | 12        | C117               | A             | 38  | 72  | 8E            | 16        | C192               | A             | 266 | 60  | 3A            | 22        |
| C44                | B             | 182 | 104 | 5A            | 12        | C118               | A             | 148 | 97  | 7B            | 21        | C193               | A             | 240 | 94  | 4C            | 22        |
| C45                | B             | 155 | 109 | 6A            | 12        | C119               | A             | 141 | 83  | 8F            | 21        | C194               | A             | 283 | 69  | 5F            | 19        |
| C46                | B             | 154 | 125 | 7A            | 12        | C120               | B             | 190 | 90  | 1E            | 5         | C195               | A             | 257 | 64  | 11E           | 22        |
| C47                | A             | 38  | 78  | 9D            | 16        | C121               | B             | 177 | 96  | 1E            | 5         | C196               | A             | 265 | 93  | 10D           | 22        |
| C48                | B             | 242 | 93  | 10B           | 17        | C122               | A             | 169 | 18  | 2F            | 3         | C197               | A             | 260 | 83  | 10E           | 22        |
| C49                | A             | 227 | 106 | 11E           | 12        | C123               | A             | 106 | 84  | 3A            | 9         | C198               | A             | 259 | 93  | 9D            | 22        |
| C50                | B             | 189 | 117 | 4B            | 12        | C124               | A             | 105 | 54  | 3C            | 9         | C199               | B             | 276 | 89  | 3B            | 19        |
| C51                | A             | 205 | 132 | 5A            | 20        | C125               | A             | 179 | 95  | 2E            | 5         | C200               | B             | 197 | 131 | 3C            | 20        |
| C52                | A             | 245 | 107 | 10B           | 17        | C126               | A             | 243 | 78  | 8D            | 22        | C201               | A             | 93  | 91  | 10B           | 22        |
| C53                | A             | 62  | 118 | 9E            | 10        | C127               | A             | 259 | 75  | 8D            | 22        | C202               | B             | 292 | 89  | 5C            | 19        |
| C54                | A             | 220 | 111 | 6D            | 20        | C128               | A             | 191 | 90  | 2E            | 5         | C203               | B             | 232 | 127 | 9B            | 20        |
| C55                | A             | 259 | 135 | 10A           | 20        | C129               | A             | 226 | 118 | 5D            | 20        | C204               | B             | 238 | 137 | 10B           | 20        |
| C56                | A             | 13  | 82  | 4E            | 11        | C130               | A             | 190 | 111 | 5A            | 12        | C205               | A             | 277 | 82  | 4D            | 19        |
| C57                | B             | 240 | 130 | 9B            | 20        | C131               | A             | 169 | 130 | 7A            | 12        | C206               | A             | 290 | 96  | 2D            | 19        |
| C58                | A             | 236 | 126 | 9C            | 20        | C132               | A             | 221 | 139 | 6A            | 20        | C207               | B             | 290 | 94  | 2C            | 19        |
| C59                | A             | 15  | 91  | 5E            | 11        | C133               | A             | 218 | 142 | 6A            | 20        | C208               | B             | 278 | 133 | 8E            | 18        |
| C60                | B             | 278 | 100 | 2A            | 19        | C134               | A             | 227 | 99  | 10E           | 12        | C209               | B             | 245 | 37  | 4E            | 17        |
| C61                | B             | 279 | 86  | 4C            | 19        | C135               | A             | 233 | 142 | 7A            | 20        | C210               | A             | 114 | 94  | 10B           | 22        |
| C62                | A             | 16  | 40  | 5E            | 11        | C136               | B             | 232 | 105 | 7D            | 20        | C211               | B             | 227 | 102 | 7E            | 20        |
| C63                | B             | 279 | 106 | 1B            | 19        | C137               | B             | 223 | 90  | 8D            | 20        | C212               | A             | 290 | 35  | 11E           | 19        |
| C64                | A             | 138 | 40  | 10B           | 3         | C138               | A             | 224 | 131 | 8A            | 20        | C213               | A             | 143 | 73  | 10C           | 21        |
| C65                | B             | 244 | 51  | 4D            | 17        | C139               | A             | 22  | 57  | 5E            | 11        | C214               | B             | 261 | 30  | 3C            | 17        |
| C66                | A             | 20  | 57  | 5E            | 11        | C140               | B             | 207 | 98  | 4C            | 5         | C215               | B             | 163 | 50  | 8B            | 6         |
| C67                | A             | 155 | 72  | 8E            | 21        | C141               | A             | 203 | 141 | 4A            | 20        | C216               | B             | 28  | 41  | 8C            | 15        |
| C68                | B             | 277 | 80  | 4A            | 19        | C142               | B             | 263 | 131 | 6D            | 18        | C217               | B             | 21  | 38  | 8C            | 15        |
| C69                | B             | 277 | 60  | 6A            | 19        | C143               | A             | 279 | 131 | 8C            | 18        | C218               | A             | 73  | 94  | 9C            | 8         |
| C70                | B             | 279 | 67  | 6C            | 19        | C144               | B             | 230 | 97  | 7E            | 20        | C219               | A             | 72  | 75  | 8C            | 8         |
| C71                | A             | 23  | 68  | 4E            | 11        | C145               | B             | 288 | 130 | 10D           | 18        | C220               | A             | 102 | 67  | 2C            | 10        |
| C72                | B             | 292 | 50  | 9B            | 19        | C146               | B             | 301 | 140 | 9C            | 18        | C221               | A             | 61  | 58  | 3B            | 10        |
| C73                | A             | 275 | 39  | 11D           | 19        | C147               | B             | 293 | 104 | 5C            | 18        | C222               | A             | 110 | 68  | 2D            | 10        |



**ROHDE & SCHWARZ**

Benennung: EE IQ-MODULATOR  
Designation: IQ-MODULATOR

Sprache:  
Lang.: de

Blatt:  
Sh.: 2 +

Aei:  
C.I.: 08.11

Typ:  
Type: SMIQ

Datum:  
Date: 99-05-17

Abteilung:  
Dpt: 1GPK

Name:  
Name: HO

Sachnr.:  
Part No.: 1084.9800.01 XY

# Nicht-Service-Relevante Bauteile / Non-Service-Relevant Components

| el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg |
|--------------------|---------------|-----|-----|---------------|-----------|--------------------|---------------|-----|-----|---------------|-----------|--------------------|---------------|-----|-----|---------------|-----------|
| C223               | A             | 61  | 46  | 3C            | 10        | C297               | A             | 23  | 131 | 1E            | 14        | C371               | A             | 281 | 65  | 5E            | 19        |
| C224               | A             | 105 | 135 | 2E            | 10        | C298               | A             | 82  | 119 | 6D            | 13        | C372               | B             | 99  | 110 | 6E            | 13        |
| C225               | A             | 123 | 115 | 3A            | 10        | C299               | A             | 14  | 126 | 1E            | 14        | C373               | B             | 172 | 45  | 9C            | 6         |
| C226               | A             | 117 | 108 | 2A            | 10        | C300               | A             | 14  | 33  | 8C            | 11        | C374               | B             | 277 | 94  | 3B            | 19        |
| C227               | B             | 200 | 133 | 4B            | 20        | C301               | A             | 25  | 39  | 8D            | 11        | C375               | B             | 68  | 128 | 10B           | 13        |
| C228               | B             | 207 | 132 | 5B            | 20        | C302               | A             | 37  | 90  | 7D            | 16        | C376               | B             | 68  | 105 | 10D           | 13        |
| C229               | A             | 218 | 81  | 8D            | 12        | C303               | A             | 35  | 53  | 5E            | 16        | C377               | B             | 19  | 35  | 9B            | 15        |
| C230               | A             | 231 | 85  | 9D            | 12        | C304               | A             | 217 | 94  | 9D            | 12        | C378               | B             | 157 | 135 | 7B            | 12        |
| C231               | B             | 233 | 130 | 9C            | 20        | C305               | B             | 221 | 120 | 6F            | 20        | C379               | B             | 210 | 136 | 5B            | 20        |
| C232               | A             | 291 | 58  | 5E            | 19        | C306               | B             | 222 | 139 | 6C            | 20        | C380               | A             | 140 | 77  | 10A           | 21        |
| C233               | A             | 290 | 70  | 5E            | 19        | C307               | A             | 129 | 68  | 3C            | 9         | C381               | A             | 143 | 95  | 10A           | 21        |
| C234               | B             | 283 | 118 | 12E           | 18        | C308               | B             | 115 | 138 | 4B            | 13        | C382               | A             | 241 | 19  | 2C            | 17        |
| C235               | A             | 154 | 51  | 6F            | 21        | C309               | B             | 137 | 133 | 2B            | 13        | C383               | A             | 253 | 49  | 6C            | 17        |
| C236               | B             | 250 | 51  | 5C            | 17        | C310               | B             | 115 | 115 | 4E            | 13        | C384               | B             | 278 | 74  | 5B            | 19        |
| C237               | B             | 228 | 55  | 6F            | 12        | C311               | B             | 119 | 111 | 4E            | 13        | C385               | B             | 278 | 54  | 7A            | 19        |
| C238               | B             | 222 | 111 | 6E            | 20        | C312               | B             | 140 | 110 | 2E            | 13        | C386               | B             | 179 | 79  | 5B            | 6         |
| C239               | B             | 225 | 112 | 5E            | 20        | C313               | B             | 119 | 134 | 4B            | 13        | C387               | A             | 47  | 58  | 3F            | 16        |
| C240               | B             | 194 | 47  | 3A            | 6         | C314               | B             | 21  | 48  | 8B            | 15        | C388               | B             | 254 | 63  | 7C            | 17        |
| C241               | A             | 28  | 87  | 5D            | 15        | C315               | B             | 20  | 63  | 6B            | 15        | C389               | A             | 170 | 55  | 5B            | 21        |
| C242               | B             | 11  | 115 | 11B           | 14        | C316               | A             | 52  | 117 | 4E            | 14        | C390               | B             | 42  | 40  | 7E            | 15        |
| C243               | A             | 205 | 98  | 5C            | 5         | C317               | A             | 81  | 82  | 9A            | 8         | C391               | B             | 191 | 49  | 5F            | 6         |
| C244               | B             | 274 | 135 | 8D            | 18        | C318               | B             | 86  | 84  | 3A            | 8         | C392               | A             | 114 | 79  | 1E            | 9         |
| C245               | B             | 247 | 59  | 6C            | 17        | C319               | B             | 36  | 48  | 1B            | 16        | C393               | A             | 51  | 71  | 10B           | 16        |
| C246               | A             | 162 | 90  | 6D            | 5         | C320               | A             | 190 | 143 | 3C            | 20        | C394               | B             | 262 | 81  | 9D            | 17        |
| C247               | B             | 229 | 134 | 8B            | 20        | C321               | B             | 44  | 62  | 3B            | 16        | C395               | A             | 105 | 97  | 11E           | 22        |
| C248               | B             | 231 | 139 | 7B            | 20        | C322               | B             | 175 | 110 | 5B            | 12        | C396               | A             | 243 | 70  | 6A            | 17        |
| C249               | A             | 248 | 37  | 4E            | 17        | C323               | B             | 209 | 110 | 3B            | 12        | C397               | B             | 223 | 101 | 7E            | 20        |
| C250               | A             | 243 | 40  | 5E            | 17        | C324               | B             | 163 | 115 | 6B            | 12        | C398               | B             | 185 | 97  | 3B            | 5         |
| C251               | A             | 239 | 46  | 6E            | 17        | C325               | B             | 222 | 41  | 3D            | 12        | C399               | A             | 219 | 75  | 3E            | 12        |
| C252               | B             | 216 | 144 | 6B            | 20        | C326               | A             | 192 | 131 | 4D            | 20        | C400               | A             | 219 | 26  | 3A            | 17        |
| C253               | B             | 221 | 141 | 6B            | 20        | C327               | B             | 195 | 113 | 4B            | 12        | C401               | A             | 223 | 96  | 4F            | 12        |
| C254               | A             | 229 | 39  | 5E            | 12        | C328               | B             | 228 | 92  | 8E            | 20        | C402               | A             | 228 | 78  | 3F            | 12        |
| C255               | B             | 213 | 141 | 6B            | 20        | C329               | A             | 54  | 88  | 8A            | 16        | C403               | A             | 191 | 43  | 10E           | 3         |
| C256               | A             | 262 | 110 | 2A            | 18        | C330               | B             | 205 | 132 | 5B            | 20        | C404               | A             | 170 | 38  | 6B            | 21        |
| C257               | A             | 264 | 113 | 7B            | 18        | C331               | B             | 230 | 79  | 9E            | 20        | C405               | B             | 66  | 128 | 10B           | 13        |
| C258               | B             | 200 | 128 | 5C            | 20        | C332               | B             | 108 | 24  | 10C           | 5         | C406               | B             | 66  | 105 | 10E           | 13        |
| C259               | B             | 267 | 117 | 2F            | 18        | C333               | B             | 258 | 120 | 3E            | 18        | C407               | B             | 155 | 135 | 8B            | 12        |
| C260               | B             | 267 | 115 | 1F            | 18        | C334               | A             | 108 | 88  | 10D           | 22        | C408               | A             | 278 | 91  | 6D            | 19        |
| C261               | B             | 277 | 116 | 4D            | 18        | C335               | B             | 261 | 37  | 3C            | 17        | C409               | A             | 300 | 71  | 4D            | 19        |
| C262               | B             | 277 | 114 | 4D            | 18        | C336               | B             | 240 | 66  | 7C            | 17        | C410               | A             | 150 | 40  | 8D            | 21        |
| C263               | A             | 261 | 65  | 2B            | 22        | C337               | B             | 258 | 32  | 3D            | 17        | C411               | A             | 300 | 98  | 1D            | 19        |
| C264               | B             | 30  | 114 | 1C            | 15        | C338               | B             | 252 | 69  | 7C            | 17        | C412               | A             | 124 | 67  | 3A            | 9         |
| C265               | B             | 30  | 108 | 1C            | 15        | C339               | B             | 241 | 72  | 8C            | 17        | C413               | A             | 47  | 64  | 3E            | 16        |
| C266               | B             | 79  | 27  | 2A            | 11        | C340               | B             | 252 | 75  | 8C            | 17        | C414               | A             | 48  | 97  | 3D            | 16        |
| C267               | B             | 55  | 20  | 3B            | 11        | C341               | B             | 240 | 78  | 8C            | 17        | C415               | B             | 205 | 104 | 3A            | 12        |
| C268               | A             | 84  | 18  | 4C            | 11        | C342               | B             | 248 | 82  | 9C            | 17        | C416               | B             | 215 | 135 | 5C            | 20        |
| C269               | A             | 204 | 129 | 2D            | 20        | C343               | B             | 249 | 108 | 11C           | 17        | C417               | A             | 200 | 68  | 10E           | 3         |
| C270               | B             | 109 | 142 | 5B            | 13        | C344               | B             | 230 | 76  | 9E            | 20        | C418               | A             | 196 | 58  | 10D           | 3         |
| C271               | A             | 21  | 126 | 11E           | 14        | C345               | B             | 250 | 34  | 3D            | 17        | C419               | A             | 254 | 105 | 1B            | 18        |
| C272               | B             | 127 | 129 | 3C            | 13        | C346               | B             | 251 | 37  | 4C            | 17        | C420               | B             | 185 | 132 | 2B            | 20        |
| C273               | B             | 128 | 140 | 3B            | 13        | C347               | B             | 248 | 50  | 5C            | 17        | C421               | B             | 194 | 133 | 3C            | 20        |
| C274               | B             | 119 | 139 | 3C            | 13        | C348               | B             | 248 | 60  | 6C            | 17        | C422               | B             | 220 | 70  | 7E            | 12        |
| C275               | B             | 109 | 119 | 5E            | 13        | C349               | B             | 252 | 60  | 7C            | 17        | C423               | B             | 224 | 70  | 7D            | 12        |
| C276               | B             | 119 | 127 | 3B            | 13        | C350               | A             | 107 | 62  | 2E            | 9         | C424               | A             | 285 | 52  | 10E           | 19        |
| C277               | B             | 127 | 106 | 3E            | 13        | C351               | A             | 197 | 66  | 9E            | 3         | C425               | A             | 138 | 81  | 11B           | 21        |
| C278               | B             | 119 | 116 | 3E            | 13        | C352               | A             | 221 | 68  | 8A            | 3         | C426               | B             | 172 | 73  | 7B            | 6         |
| C279               | B             | 119 | 104 | 3D            | 13        | C353               | A             | 222 | 51  | 8C            | 3         | C427               | B             | 100 | 127 | 6B            | 13        |
| C280               | B             | 128 | 117 | 3D            | 13        | C354               | A             | 189 | 62  | 10D           | 3         | C428               | B             | 90  | 126 | 7B            | 13        |
| C281               | A             | 38  | 120 | 6E            | 14        | C355               | A             | 256 | 111 | 3A            | 18        | C429               | B             | 100 | 104 | 6E            | 13        |
| C282               | B             | 22  | 129 | 7B            | 14        | C356               | A             | 113 | 38  | 4E            | 3         | C430               | B             | 14  | 29  | 10B           | 15        |
| C283               | B             | 40  | 51  | 2B            | 16        | C357               | A             | 190 | 75  | 8E            | 3         | C431               | A             | 114 | 117 | 4A            | 10        |
| C284               | B             | 171 | 106 | 6B            | 12        | C358               | A             | 173 | 53  | 3E            | 21        | C432               | B             | 44  | 82  | 6B            | 16        |
| C285               | B             | 159 | 116 | 7B            | 12        | C359               | A             | 176 | 47  | 3F            | 21        | C433               | B             | 147 | 135 | 9A            | 12        |
| C286               | B             | 192 | 107 | 4B            | 12        | C360               | A             | 55  | 22  | 5E            | 9         | C434               | B             | 227 | 42  | 5D            | 12        |
| C287               | B             | 222 | 51  | 6D            | 12        | C361               | A             | 43  | 29  | 4E            | 9         | C435               | A             | 226 | 75  | 8D            | 12        |
| C288               | B             | 229 | 61  | 6D            | 12        | C362               | B             | 195 | 95  | 4C            | 5         | C436               | A             | 224 | 86  | 8E            | 12        |
| C289               | B             | 177 | 129 | 2C            | 20        | C363               | B             | 168 | 93  | 1B            | 5         | C437               | A             | 219 | 92  | 9C            | 12        |
| C290               | B             | 194 | 144 | 3B            | 20        | C364               | A             | 255 | 130 | 11C           | 20        | C438               | B             | 208 | 114 | 3B            | 12        |
| C291               | B             | 287 | 137 | 9D            | 18        | C365               | B             | 63  | 128 | 10B           | 13        | C439               | B             | 195 | 109 | 3B            | 12        |
| C292               | A             | 101 | 52  | 5F            | 4         | C366               | B             | 63  | 105 | 10D           | 13        | C440               | B             | 224 | 75  | 10E           | 20        |
| C293               | A             | 107 | 51  | 7F            | 4         | C367               | B             | 20  | 31  | 10B           | 15        | C441               | B             | 236 | 142 | 11B           | 20        |
| C294               | B             | 201 | 49  | 2C            | 6         | C368               | B             | 17  | 28  | 10B           | 15        | C442               | A             | 289 | 142 | 9C            | 18        |
| C295               | A             | 84  | 142 | 6A            | 13        | C369               | B             | 152 | 135 | 8B            | 12        | C443               | A             | 235 | 138 | 10C           | 20        |
| C296               | B             | 21  | 123 | 7B            | 14        | C370               | B             | 262 | 86  | 9D            | 17        | C444               | B             | 284 | 128 | 11D           | 18        |



**ROHDE & SCHWARZ**

Benennung: EE IQ-MODULATOR  
Designation: IQ-MODULATOR

Sprache:  
Lang.: de

Blatt:  
Sh.: 3 +

Aei:  
C.I.: 08.11

Typ: SMIQ  
Type: SMIQ

Datum: 99-05-17  
Date: 99-05-17

Abteilung: 1GPK  
Dpt: 1GPK

Name: HO  
Name: HO

Sachnr.: 1084.9800.01 XY  
Part No.: 1084.9800.01 XY

# Nicht-Service-Relevante Bauteile / Non-Service-Relevant Components

| el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg |
|--------------------|---------------|-----|-----|---------------|-----------|--------------------|---------------|-----|-----|---------------|-----------|--------------------|---------------|-----|-----|---------------|-----------|
| C445               | B             | 281 | 103 | 2B            | 19        | C519               | A             | 257 | 75  | 6F            | 22        | C593               | B             | 248 | 94  | 10C           | 17        |
| C446               | B             | 15  | 84  | 6A            | 15        | C520               | B             | 183 | 44  | 6E            | 6         | C594               | B             | 177 | 110 | 5B            | 12        |
| C447               | A             | 242 | 88  | 6D            | 22        | C521               | B             | 196 | 81  | 6F            | 6         | C595               | B             | 231 | 58  | 6F            | 12        |
| C448               | B             | 61  | 128 | 10B           | 13        | C522               | B             | 163 | 82  | 7E            | 6         | C596               | B             | 234 | 139 | 10C           | 20        |
| C449               | B             | 61  | 105 | 10E           | 13        | C523               | A             | 154 | 55  | 6E            | 21        | C597               | B             | 63  | 76  | 2B            | 8         |
| C450               | B             | 19  | 29  | 10C           | 15        | C524               | A             | 154 | 53  | 7E            | 21        | C598               | B             | 290 | 134 | 9E            | 18        |
| C451               | B             | 150 | 137 | 8B            | 12        | C525               | A             | 162 | 51  | 9E            | 21        | C599               | A             | 255 | 28  | 8B            | 19        |
| C452               | B             | 181 | 141 | 1B            | 20        | C526               | A             | 171 | 43  | 10E           | 21        | C600               | A             | 266 | 31  | 10C           | 19        |
| C453               | B             | 284 | 54  | 8B            | 19        | C527               | A             | 128 | 108 | 11E           | 10        | C601               | A             | 281 | 112 | 8E            | 19        |
| C454               | B             | 284 | 137 | 9E            | 18        | C528               | A             | 117 | 112 | 11E           | 10        | C602               | A             | 286 | 111 | 7E            | 19        |
| C455               | A             | 133 | 75  | 11B           | 21        | C529               | A             | 292 | 45  | 10D           | 19        | C603               | A             | 275 | 113 | 8F            | 19        |
| C456               | B             | 189 | 41  | 3A            | 6         | C530               | A             | 147 | 93  | 8B            | 21        | C604               | B             | 286 | 66  | 7C            | 19        |
| C457               | B             | 44  | 143 | 8E            | 14        | C531               | A             | 110 | 91  | 2B            | 9         | C605               | A             | 188 | 76  | 6F            | 3         |
| C458               | B             | 100 | 135 | 6B            | 13        | C532               | A             | 110 | 61  | 2D            | 9         | C606               | A             | 178 | 79  | 4B            | 21        |
| C459               | B             | 134 | 130 | 2C            | 13        | C533               | B             | 259 | 117 | 2E            | 18        | C607               | A             | 164 | 79  | 4C            | 21        |
| C460               | B             | 74  | 128 | 9B            | 13        | C534               | B             | 259 | 115 | 1E            | 18        | C608               | A             | 180 | 134 | 3C            | 20        |
| C461               | B             | 74  | 105 | 9E            | 13        | C535               | A             | 278 | 48  | 1E            | 19        | C609               | B             | 231 | 129 | 8B            | 20        |
| C462               | B             | 90  | 103 | 7E            | 13        | C536               | A             | 287 | 41  | 2F            | 19        | C610               | B             | 24  | 134 | 9C            | 14        |
| C463               | B             | 100 | 112 | 6E            | 13        | C537               | A             | 288 | 30  | 2F            | 19        | C611               | B             | 26  | 88  | 3C            | 15        |
| C464               | B             | 138 | 107 | 2E            | 13        | C538               | A             | 275 | 33  | 1E            | 19        | C612               | B             | 23  | 112 | 2C            | 15        |
| C465               | A             | 42  | 120 | 4E            | 14        | C539               | A             | 281 | 26  | 3F            | 19        | C613               | B             | 28  | 112 | 2C            | 15        |
| C466               | A             | 28  | 137 | 2E            | 14        | C540               | A             | 295 | 22  | 2E            | 19        | C614               | B             | 15  | 138 | 9C            | 14        |
| C467               | B             | 19  | 41  | 8B            | 15        | C541               | A             | 125 | 38  | 2E            | 3         | C615               | B             | 47  | 30  | 11B           | 7         |
| C468               | B             | 29  | 62  | 6C            | 15        | C542               | A             | 273 | 19  | 9E            | 19        | C616               | B             | 25  | 81  | 4C            | 15        |
| C469               | A             | 36  | 141 | 2E            | 14        | C543               | B             | 247 | 106 | 11C           | 17        | C617               | B             | 55  | 31  | 2B            | 7         |
| C470               | A             | 135 | 116 | 5E            | 10        | C544               | B             | 297 | 49  | 10B           | 19        | C618               | B             | 56  | 26  | 2B            | 7         |
| C471               | A             | 135 | 131 | 5D            | 10        | C545               | A             | 287 | 26  | 10C           | 19        | C619               | B             | 65  | 24  | 2D            | 7         |
| C472               | A             | 156 | 122 | 6D            | 10        | C546               | A             | 277 | 32  | 11C           | 19        | C620               | B             | 68  | 33  | 2D            | 7         |
| C473               | A             | 156 | 127 | 5C            | 10        | C547               | B             | 286 | 30  | 8C            | 19        | C621               | A             | 277 | 50  | 10D           | 19        |
| C474               | A             | 59  | 26  | 2B            | 11        | C548               | B             | 242 | 106 | 11C           | 17        | C622               | B             | 46  | 112 | 4C            | 14        |
| C475               | A             | 66  | 36  | 3C            | 11        | C549               | B             | 286 | 29  | 9C            | 19        | C623               | B             | 266 | 131 | 7E            | 18        |
| C476               | A             | 77  | 34  | 9A            | 9         | C550               | B             | 70  | 64  | 5B            | 7         | C624               | B             | 43  | 110 | 4C            | 14        |
| C477               | A             | 71  | 20  | 9D            | 9         | C551               | A             | 246 | 114 | 9B            | 17        | C625               | A             | 178 | 128 | 3C            | 20        |
| C478               | A             | 179 | 93  | 5D            | 5         | C552               | B             | 300 | 133 | 10E           | 18        | C626               | B             | 36  | 124 | 5C            | 14        |
| C479               | B             | 190 | 94  | 3C            | 5         | C553               | B             | 87  | 139 | 4C            | 8         | C627               | B             | 38  | 108 | 5C            | 14        |
| C480               | B             | 195 | 21  | 10D           | 5         | C554               | B             | 87  | 116 | 11C           | 8         | C628               | B             | 12  | 127 | 10C           | 14        |
| C481               | A             | 250 | 81  | 5E            | 22        | C555               | B             | 281 | 113 | 4D            | 18        | C629               | B             | 22  | 131 | 10C           | 14        |
| C482               | B             | 290 | 57  | 8B            | 19        | C556               | B             | 84  | 48  | 5C            | 7         | C630               | B             | 19  | 103 | 3C            | 15        |
| C483               | A             | 191 | 95  | 6C            | 5         | C557               | B             | 281 | 115 | 4D            | 18        | C631               | B             | 27  | 134 | 8B            | 14        |
| C484               | B             | 162 | 133 | 7B            | 12        | C558               | B             | 257 | 112 | 2C            | 18        | C632               | B             | 21  | 81  | 5B            | 15        |
| C485               | B             | 192 | 130 | 3C            | 20        | C559               | B             | 282 | 110 | 4C            | 18        | C633               | B             | 17  | 118 | 1C            | 15        |
| C486               | B             | 297 | 54  | 9B            | 19        | C560               | B             | 19  | 112 | 2C            | 15        | C634               | B             | 28  | 131 | 7B            | 14        |
| C487               | B             | 226 | 134 | 8C            | 20        | C561               | B             | 19  | 104 | 2B            | 15        | C635               | B             | 73  | 43  | 5C            | 7         |
| C488               | B             | 284 | 25  | 9C            | 19        | C562               | B             | 19  | 109 | 2B            | 15        | C636               | B             | 63  | 47  | 5B            | 7         |
| C489               | B             | 203 | 138 | 5B            | 20        | C563               | A             | 44  | 140 | 3E            | 14        | C637               | B             | 288 | 25  | 9C            | 19        |
| C490               | B             | 217 | 114 | 6E            | 20        | C564               | A             | 53  | 129 | 3E            | 14        | C638               | A             | 12  | 120 | 9E            | 14        |
| C491               | B             | 246 | 41  | 4C            | 17        | C565               | B             | 19  | 107 | 2C            | 15        | C639               | A             | 34  | 117 | 5E            | 14        |
| C492               | B             | 224 | 144 | 7B            | 20        | C566               | B             | 20  | 60  | 6B            | 15        | C640               | A             | 23  | 134 | 2E            | 14        |
| C493               | A             | 232 | 133 | 8B            | 20        | C567               | B             | 17  | 104 | 2B            | 15        | C641               | A             | 40  | 141 | 3E            | 14        |
| C494               | A             | 227 | 86  | 4E            | 12        | C568               | B             | 60  | 89  | 3B            | 8         | C642               | A             | 53  | 131 | 3E            | 14        |
| C495               | A             | 84  | 30  | 10B           | 9         | C569               | B             | 281 | 49  | 7B            | 19        | C643               | A             | 16  | 127 | 9E            | 14        |
| C496               | A             | 75  | 21  | 10D           | 9         | C570               | B             | 15  | 97  | 3B            | 15        | C644               | A             | 29  | 123 | 5D            | 14        |
| C497               | B             | 221 | 126 | 5D            | 20        | C571               | B             | 265 | 104 | 3D            | 18        | C645               | A             | 78  | 64  | 5D            | 7         |
| C498               | B             | 99  | 133 | 6B            | 13        | C572               | B             | 30  | 136 | 8B            | 14        | C646               | A             | 70  | 67  | 5A            | 7         |
| C499               | B             | 149 | 130 | 9B            | 12        | C573               | B             | 23  | 74  | 5B            | 15        | C647               | B             | 25  | 143 | 9B            | 14        |
| C500               | B             | 224 | 44  | 5D            | 12        | C574               | B             | 183 | 76  | 4E            | 6         | C648               | B             | 35  | 120 | 5B            | 14        |
| C501               | B             | 183 | 131 | 2B            | 20        | C575               | A             | 22  | 116 | 10E           | 14        | C649               | B             | 49  | 118 | 4B            | 14        |
| C502               | B             | 240 | 142 | 10B           | 20        | C576               | A             | 39  | 113 | 5E            | 14        | C650               | A             | 27  | 129 | 10C           | 14        |
| C503               | B             | 229 | 75  | 10E           | 20        | C577               | B             | 26  | 83  | 3C            | 15        | C651               | A             | 40  | 126 | 5C            | 14        |
| C504               | B             | 288 | 129 | 10D           | 18        | C578               | B             | 166 | 66  | 9E            | 4         | C652               | B             | 15  | 128 | 10B           | 14        |
| C505               | B             | 276 | 65  | 6B            | 19        | C579               | B             | 43  | 69  | 4B            | 16        | C653               | B             | 29  | 82  | 4C            | 15        |
| C506               | B             | 276 | 85  | 4B            | 19        | C580               | A             | 253 | 53  | 3B            | 22        | C654               | A             | 229 | 52  | 5F            | 12        |
| C507               | A             | 154 | 6   | 11D           | 21        | C581               | A             | 54  | 77  | 8C            | 16        | C655               | A             | 23  | 17  | 9C            | 11        |
| C508               | B             | 157 | 18  | 10C           | 5         | C582               | B             | 197 | 73  | 3C            | 6         | C656               | A             | 16  | 37  | 8C            | 11        |
| C509               | B             | 235 | 136 | 10B           | 20        | C583               | B             | 287 | 97  | 2D            | 19        | C657               | A             | 60  | 90  | 9B            | 8         |
| C510               | B             | 218 | 131 | 5C            | 20        | C584               | B             | 296 | 94  | 5D            | 19        | C658               | A             | 62  | 70  | 8B            | 8         |
| C511               | A             | 69  | 44  | 11E           | 10        | C585               | B             | 297 | 59  | 7D            | 19        | C659               | A             | 110 | 133 | 3E            | 5         |
| C512               | A             | 79  | 51  | 11E           | 10        | C586               | A             | 295 | 105 | 6E            | 19        | C660               | A             | 83  | 106 | 3E            | 8         |
| C513               | A             | 138 | 85  | 9A            | 21        | C587               | A             | 263 | 23  | 11B           | 19        | C661               | A             | 103 | 110 | 4F            | 8         |
| C514               | B             | 172 | 23  | 10D           | 5         | C588               | A             | 257 | 33  | 12C           | 19        | C662               | A             | 89  | 112 | 4E            | 8         |
| C515               | B             | 99  | 24  | 10E           | 5         | C589               | B             | 35  | 29  | 7C            | 15        | C663               | B             | 66  | 98  | 4B            | 8         |
| C516               | A             | 256 | 85  | 3C            | 22        | C590               | B             | 247 | 103 | 11C           | 17        | C664               | B             | 64  | 69  | 1B            | 8         |
| C517               | A             | 255 | 57  | 2A            | 22        | C591               | B             | 294 | 107 | 5C            | 18        | C665               | B             | 72  | 96  | 4D            | 8         |
| C518               | A             | 262 | 80  | 7E            | 22        | C592               | B             | 226 | 117 | 5F            | 20        | C666               | B             | 79  | 71  | 1D            | 8         |

|                                                                                                                |  |                                                         |  |                       |  |                    |  |                           |  |
|----------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------|--|-----------------------|--|--------------------|--|---------------------------|--|
|  <b>ROHDE &amp; SCHWARZ</b> |  | Benennung: EE IQ-MODULATOR<br>Designation: IQ-MODULATOR |  | Sprache:<br>Lang.: de |  | Blatt:<br>Sh.: 4 + |  | Aei:<br>C.I.: 08.11       |  |
| Typ: SMIQ                                                                                                      |  | Datum: 99-05-17                                         |  | Abteilung: 1GPK       |  | Name: HO           |  | Sachnr.: 1084.9800.01 XY  |  |
| Type: SMIQ                                                                                                     |  | Date: 99-05-17                                          |  | Dpt: 1GPK             |  | Name: HO           |  | Part No.: 1084.9800.01 XY |  |

# Nicht-Relevante Bauteile / Non-Relevant Components

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| el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg |
|--------------------|---------------|-----|-----|---------------|-----------|--------------------|---------------|-----|-----|---------------|-----------|--------------------|---------------|-----|-----|---------------|-----------|
| C667               | B             | 69  | 92  | 4E            | 8         | D8                 | A             | 258 | 86  | 3C            | 22        | D32                | A             | 133 | 95  | 5E            | 21        |
| C668               | B             | 67  | 69  | 1E            | 8         | D8                 | A             | 258 | 86  | 9D            | 22        | D33                | B             | 225 | 63  | 6D            | 12        |
| C669               | B             | 68  | 79  | 2B            | 8         | D9                 | A             | 179 | 60  | 4A            | 21        | D33                | B             | 225 | 63  | 6F            | 12        |
| C670               | B             | 74  | 82  | 2C            | 8         | D9                 | A             | 179 | 60  | 4B            | 21        | D34                | A             | 131 | 43  | 10A           | 3         |
| C671               | B             | 73  | 91  | 3C            | 8         | D9                 | A             | 179 | 60  | 4B            | 21        | D34                | A             | 131 | 43  | 3E            | 3         |
| C672               | A             | 65  | 78  | 8B            | 8         | D9                 | A             | 179 | 60  | 4B            | 21        | D34                | A             | 131 | 43  | 6A            | 3         |
| C673               | A             | 66  | 65  | 8C            | 8         | D9                 | A             | 179 | 60  | 5E            | 21        | D34                | A             | 131 | 43  | 6C            | 3         |
| C674               | A             | 80  | 96  | 10B           | 8         | D10                | A             | 168 | 69  | 4C            | 21        | D34                | A             | 131 | 43  | 6D            | 3         |
| C675               | A             | 80  | 66  | 8B            | 8         | D10                | A             | 168 | 69  | 4C            | 21        | D35                | A             | 123 | 56  | 11E           | 4         |
| C676               | A             | 62  | 96  | 10C           | 8         | D10                | A             | 168 | 69  | 4D            | 21        | D35                | A             | 123 | 56  | 11E           | 4         |
| C677               | A             | 78  | 70  | 8D            | 8         | D10                | A             | 168 | 69  | 4D            | 21        | D35                | A             | 123 | 56  | 3B            | 4         |
| C678               | A             | 78  | 96  | 10D           | 8         | D10                | A             | 168 | 69  | 6E            | 21        | D35                | A             | 123 | 56  | 3D            | 4         |
| C679               | A             | 70  | 74  | 8E            | 8         | D11                | A             | 151 | 70  | 7E            | 21        | D35                | A             | 123 | 56  | 9E            | 4         |
| C680               | A             | 66  | 94  | 10E           | 8         | D11                | A             | 151 | 70  | 9B            | 21        | D36                | B             | 199 | 72  | 2D            | 6         |
| C681               | A             | 72  | 81  | 8C            | 8         | D11                | A             | 151 | 70  | 9C            | 21        | D36                | B             | 199 | 72  | 2D            | 6         |
| C682               | A             | 74  | 92  | 9C            | 8         | D11                | A             | 151 | 70  | 9C            | 21        | D36                | B             | 199 | 72  | 3D            | 6         |
| C683               | B             | 80  | 71  | 1A            | 8         | D11                | A             | 151 | 70  | 9C            | 21        | D36                | B             | 199 | 72  | 3D            | 6         |
| C684               | B             | 80  | 96  | 4A            | 8         | D12                | A             | 14  | 129 | 10D           | 14        | D36                | B             | 199 | 72  | 3E            | 6         |
| C685               | B             | 95  | 144 | 4C            | 8         | D12                | A             | 14  | 129 | 1E            | 14        | D37                | B             | 62  | 31  | 3A            | 7         |
| C686               | B             | 97  | 141 | 4C            | 8         | D12                | A             | 14  | 129 | 9D            | 14        | D38                | B             | 155 | 89  | 11A           | 4         |
| C687               | B             | 95  | 121 | 10C           | 8         | D12                | A             | 14  | 129 | 9D            | 14        | D38                | B             | 155 | 89  | 8E            | 4         |
| C688               | B             | 97  | 118 | 10C           | 8         | D12                | A             | 14  | 129 | 9D            | 14        | D39                | A             | 204 | 62  | 10D           | 3         |
| C689               | B             | 67  | 88  | 3B            | 8         | D13                | A             | 35  | 129 | 2E            | 14        | D39                | A             | 204 | 62  | 10E           | 3         |
| C690               | B             | 95  | 137 | 4C            | 8         | D13                | A             | 35  | 129 | 4D            | 14        | D39                | A             | 204 | 62  | 7E            | 3         |
| C691               | B             | 95  | 114 | 10C           | 8         | D13                | A             | 35  | 129 | 4D            | 14        | D40                | B             | 62  | 37  | 3C            | 7         |
| C692               | A             | 66  | 82  | 9B            | 8         | D13                | A             | 35  | 129 | 4D            | 14        | D40                | B             | 62  | 37  | 3E            | 7         |
| C693               | B             | 67  | 85  | 2B            | 8         | D13                | A             | 35  | 129 | 5D            | 14        | D41                | B             | 162 | 54  | 10E           | 4         |
| C694               | A             | 63  | 80  | 9B            | 8         | D14                | A             | 44  | 129 | 10B           | 10        | D41                | B             | 162 | 54  | 7A            | 4         |
| C695               | A             | 81  | 94  | 9A            | 8         | D14                | A             | 44  | 129 | 10B           | 10        | D41                | B             | 162 | 54  | 7B            | 6         |
| C696               | A             | 85  | 70  | 8A            | 8         | D14                | A             | 44  | 129 | 11C           | 14        | D42                | B             | 139 | 54  | 7C            | 21        |
| C697               | B             | 86  | 75  | 2A            | 8         | D14                | A             | 44  | 129 | 3E            | 14        | D42                | B             | 139 | 54  | 4A            | 4         |
| C698               | B             | 86  | 94  | 3A            | 8         | D14                | A             | 44  | 129 | 7C            | 14        | D42                | B             | 139 | 54  | 7E            | 4         |
| C699               | B             | 83  | 131 | 8B            | 13        | D15                | A             | 246 | 86  | 10D           | 22        | D43                | B             | 139 | 66  | 10C           | 21        |
| C700               | B             | 83  | 108 | 8E            | 13        | D15                | A             | 246 | 86  | 5C            | 22        | D43                | B             | 139 | 66  | 5A            | 4         |
| C701               | B             | 231 | 113 | 7D            | 20        | D15                | A             | 246 | 86  | 5C            | 22        | D43                | B             | 139 | 66  | 8E            | 4         |
| C702               | B             | 22  | 58  | 7C            | 15        | D15                | A             | 246 | 86  | 5D            | 22        | D44                | B             | 228 | 99  | 7E            | 20        |
| C703               | B             | 76  | 84  | 2C            | 8         | D15                | A             | 246 | 86  | 5D            | 22        | D45                | B             | 98  | 50  | 1C            | 10        |
| C704               | A             | 76  | 85  | 9C            | 8         | D16                | A             | 52  | 38  | 4E            | 9         | D45                | B             | 98  | 50  | 3C            | 4         |
| C705               | A             | 109 | 126 | 5A            | 5         | D16                | A             | 52  | 38  | 8B            | 9         | D45                | B             | 98  | 50  | 8E            | 4         |
| C706               | A             | 83  | 85  | 9A            | 8         | D17                | A             | 52  | 25  | 5E            | 9         | D46                | B             | 114 | 87  | 1A            | 10        |
| C707               | B             | 85  | 86  | 2A            | 8         | D17                | A             | 52  | 25  | 8D            | 9         | D46                | B             | 114 | 87  | 7E            | 4         |
| C708               | A             | 150 | 106 | 3F            | 4         | D18                | B             | 139 | 44  | 2A            | 4         | D46                | B             | 114 | 87  | 8C            | 4         |
| C709               | B             | 28  | 121 | 6C            | 14        | D18                | B             | 139 | 44  | 6E            | 4         | D47                | B             | 98  | 87  | 1E            | 10        |
| C710               | A             | 220 | 40  | 7C            | 5         | D19                | A             | 68  | 115 | 10C           | 10        | D47                | B             | 98  | 87  | 7C            | 4         |
| C711               | B             | 13  | 124 | 11C           | 14        | D19                | A             | 68  | 115 | 8B            | 10        | D47                | B             | 98  | 87  | 7E            | 4         |
| C712               | A             | 91  | 110 | 6B            | 8         | D19                | A             | 68  | 115 | 8C            | 10        | D48                | B             | 98  | 65  | 1D            | 10        |
| C713               | A             | 105 | 118 | 6D            | 8         | D19                | A             | 68  | 115 | 8E            | 10        | D48                | B             | 98  | 65  | 4C            | 4         |
| C714               | A             | 105 | 106 | 6E            | 8         | D19                | A             | 68  | 115 | 9E            | 10        | D48                | B             | 98  | 65  | 8E            | 4         |
| C715               | A             | 88  | 119 | 6C            | 8         | D20                | B             | 147 | 89  | 6E            | 4         | D49                | A             | 202 | 50  | 10D           | 3         |
| C800               | A             | 184 | 138 | 3C            | 20        | D20                | B             | 147 | 89  | 9A            | 4         | D49                | A             | 202 | 50  | 10E           | 3         |
| C850               |               |     |     | 9E            | 12        | D21                | B             | 128 | 91  | 6E            | 4         | D49                | A             | 202 | 50  | 11D           | 3         |
| D1                 | B             | 65  | 55  | 5B            | 7         | D21                | B             | 128 | 91  | 8A            | 4         | D49                | A             | 202 | 50  | 7E            | 3         |
| D1                 | B             | 65  | 55  | 6E            | 7         | D22                | B             | 98  | 39  | 2C            | 4         | D49                | A             | 202 | 50  | 1F            | 4         |
| D2                 | B             | 77  | 47  | 5C            | 7         | D22                | B             | 98  | 39  | 6E            | 4         | D50                | B             | 19  | 84  | 4B            | 15        |
| D2                 | B             | 77  | 47  | 5E            | 7         | D23                | B             | 114 | 69  | 11C           | 4         | D51                | B             | 21  | 118 | 1C            | 15        |
| D3                 | B             | 186 | 72  | 3B            | 6         | D23                | B             | 114 | 69  | 6E            | 4         | D52                | B             | 113 | 54  | 1E            | 3         |
| D3                 | B             | 186 | 72  | 4E            | 6         | D24                | B             | 98  | 78  | 5C            | 4         | D52                | B             | 113 | 54  | 4B            | 3         |
| D4                 | A             | 156 | 17  | 1B            | 3         | D24                | B             | 98  | 78  | 5E            | 4         | D53                | A             | 141 | 37  | 5D            | 21        |
| D4                 | A             | 156 | 17  | 1C            | 3         | D25                | B             | 139 | 79  | 6A            | 4         | D53                | A             | 141 | 37  | 7E            | 21        |
| D4                 | A             | 156 | 17  | 1D            | 3         | D25                | B             | 139 | 79  | 7E            | 4         | D54                | B             | 70  | 31  | 3C            | 7         |
| D4                 | A             | 156 | 17  | 2C            | 3         | D26                | B             | 114 | 78  | 6E            | 4         | D55                | A             | 144 | 108 | 3F            | 4         |
| D4                 | A             | 156 | 17  | 2E            | 3         | D26                | B             | 114 | 78  | 9C            | 4         | D55                | A             | 144 | 108 | 4E            | 4         |
| D5                 | A             | 19  | 50  | 6E            | 11        | D27                | B             | 25  | 72  | 5B            | 15        | D56                | A             | 174 | 105 | 1D            | 4         |
| D5                 | A             | 19  | 50  | 7D            | 11        | D28                | B             | 21  | 44  | 8B            | 15        | D56                | A             | 174 | 105 | 1E            | 4         |
| D6                 | A             | 130 | 84  | 11E           | 21        | D29                | A             | 122 | 41  | 4E            | 3         | D56                | A             | 174 | 105 | 4E            | 4         |
| D6                 | A             | 130 | 84  | 3C            | 21        | D29                | A             | 122 | 41  | 7A            | 3         | D56                | A             | 174 | 105 | 4E            | 4         |
| D6                 | A             | 130 | 84  | 3D            | 21        | D30                | A             | 111 | 41  | 4E            | 3         | D56                | A             | 174 | 105 | 5E            | 4         |
| D6                 | A             | 130 | 84  | 4E            | 21        | D30                | A             | 111 | 41  | 7C            | 3         | D57                | B             | 35  | 39  | 7C            | 15        |
| D6                 | A             | 130 | 84  | 4E            | 21        | D31                | A             | 100 | 39  | 3E            | 3         | D57                | B             | 35  | 39  | 7E            | 15        |
| D7                 | A             | 71  | 130 | 8A            | 10        | D31                | A             | 100 | 39  | 7D            | 3         | D57                | B             | 35  | 39  | 8C            | 15        |
| D7                 | A             | 71  | 130 | 8E            | 10        | D32                | A             | 133 | 95  | 11E           | 21        | D57                | B             | 35  | 39  | 9A            | 7         |
| D7                 | A             | 71  | 130 | 8F            | 10        | D32                | A             | 133 | 95  | 2C            | 21        | D57                | B             | 35  | 39  | 9C            | 7         |
| D7                 | A             | 71  | 130 | 9A            | 10        | D32                | A             | 133 | 95  | 2D            | 21        | D58                | A             | 163 | 109 | 2E            | 4         |
| D7                 | A             | 71  | 130 | 9C            | 10        | D32                | A             | 133 | 95  | 2D            | 21        | D58                | A             | 163 | 109 | 5E            | 4         |



**ROHDE & SCHWARZ**

Benennung: EE IQ-MODULATOR  
Designation: IQ-MODULATOR

Sprache:  
Lang.: de

Blatt:  
Sh.: 5 +

Aei:  
C.I.: 08.11

Typ:  
Type: SMIQ

Datum:  
Date: 99-05-17

Abteilung:  
Dpt: 1GPK

Name:  
Name: HO

Sachnr.:  
Part No.: 1084.9800.01 XY

# Nicht-Service-Relevante Bauteile / Non-Service-Relevant Components

| el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg |
|--------------------|---------------|-----|-----|---------------|-----------|--------------------|---------------|-----|-----|---------------|-----------|--------------------|---------------|-----|-----|---------------|-----------|
| D59                | A             | 74  | 106 | 3E            | 8         | L70                | B             | 275 | 116 | 4D            | 18        | L144               | A             | 240 | 109 | 10A           | 17        |
| D59                | A             | 74  | 106 | 5D            | 8         | L71                | B             | 223 | 117 | 5E            | 20        | L145               | B             | 283 | 59  | 7B            | 19        |
| D61                | B             | 96  | 61  | 10D           | 4         | L72                | B             | 235 | 137 | 10B           | 20        | L146               | A             | 300 | 114 | 3C            | 19        |
| D61                | B             | 96  | 61  | 10E           | 4         | L73                | B             | 275 | 114 | 4D            | 18        | L147               | A             | 299 | 80  | 5E            | 19        |
| G1                 | B             | 206 | 56  | 2C            | 6         | L74                | B             | 77  | 131 | 9B            | 13        | L148               | B             | 240 | 61  | 7D            | 17        |
| L1                 | B             | 190 | 138 | 3B            | 20        | L75                | B             | 18  | 50  | 7B            | 15        | L149               | B             | 254 | 66  | 7D            | 17        |
| L2                 | B             | 184 | 80  | 5B            | 6         | L76                | B             | 263 | 105 | 3D            | 18        | L150               | B             | 238 | 74  | 8D            | 17        |
| L3                 | B             | 276 | 141 | 9D            | 18        | L77                | A             | 277 | 106 | 7F            | 19        | L151               | B             | 255 | 72  | 8D            | 17        |
| L4                 | B             | 279 | 95  | 3B            | 19        | L78                | B             | 285 | 92  | 3B            | 19        | L152               | B             | 242 | 83  | 8D            | 17        |
| L5                 | B             | 248 | 48  | 5C            | 17        | L79                | B             | 135 | 17  | 10B           | 5         | L153               | B             | 253 | 81  | 9D            | 17        |
| L6                 | B             | 192 | 52  | 2C            | 6         | L80                | B             | 143 | 20  | 10C           | 5         | L154               | B             | 260 | 39  | 4D            | 17        |
| L7                 | B             | 71  | 120 | 9C            | 13        | L81                | B             | 40  | 72  | 5B            | 16        | L155               | B             | 256 | 56  | 7D            | 17        |
| L8                 | B             | 230 | 126 | 8C            | 20        | L82                | B             | 12  | 138 | 9C            | 14        | L156               | A             | 183 | 36  | 2B            | 21        |
| L9                 | A             | 78  | 142 | 6A            | 13        | L83                | B             | 298 | 139 | 9C            | 18        | L157               | A             | 177 | 39  | 2D            | 21        |
| L10                | A             | 85  | 120 | 6C            | 13        | L84                | B             | 279 | 54  | 7B            | 19        | L158               | A             | 191 | 37  | 2E            | 21        |
| L11                | B             | 71  | 142 | 9A            | 13        | L85                | B             | 279 | 74  | 4B            | 19        | L159               | B             | 170 | 38  | 2C            | 21        |
| L12                | B             | 264 | 117 | 2E            | 18        | L86                | B             | 104 | 127 | 5A            | 13        | L160               | A             | 187 | 37  | 2A            | 21        |
| L13                | B             | 12  | 56  | 7A            | 15        | L87                | B             | 12  | 117 | 11B           | 14        | L161               | A             | 118 | 39  | 11C           | 10        |
| L14                | B             | 77  | 108 | 9D            | 13        | L88                | B             | 47  | 110 | 4C            | 14        | L162               | A             | 289 | 116 | 8E            | 19        |
| L15                | A             | 84  | 35  | 4A            | 11        | L89                | B             | 105 | 104 | 6D            | 13        | L163               | A             | 65  | 62  | 4B            | 10        |
| L16                | A             | 66  | 21  | 3A            | 11        | L90                | B             | 21  | 77  | 5C            | 15        | L164               | B             | 287 | 74  | 4B            | 19        |
| L17                | B             | 232 | 103 | 7D            | 20        | L91                | B             | 22  | 64  | 6C            | 15        | L165               | A             | 16  | 77  | 6F            | 15        |
| L18                | A             | 51  | 78  | 6D            | 16        | L92                | B             | 25  | 129 | 7B            | 14        | L166               | A             | 112 | 115 | 12E           | 10        |
| L19                | A             | 51  | 46  | 7D            | 16        | L93                | B             | 37  | 61  | 3A            | 16        | L167               | B             | 73  | 36  | 4D            | 10        |
| L20                | A             | 54  | 64  | 7D            | 16        | L94                | B             | 180 | 104 | 4A            | 12        | L168               | B             | 254 | 26  | 3D            | 17        |
| L21                | A             | 39  | 96  | 6E            | 16        | L95                | B             | 155 | 112 | 6A            | 12        | L169               | A             | 72  | 40  | 11D           | 10        |
| L22                | A             | 38  | 65  | 7E            | 16        | L96                | B             | 157 | 125 | 7A            | 12        | L170               | B             | 181 | 20  | 10D           | 5         |
| L23                | A             | 38  | 68  | 7E            | 16        | L97                | B             | 24  | 107 | 2B            | 15        | L171               | B             | 176 | 17  | 10D           | 5         |
| L24                | A             | 190 | 128 | 4A            | 20        | L98                | B             | 14  | 104 | 2B            | 15        | L172               | B             | 123 | 21  | 10E           | 5         |
| L25                | A             | 227 | 110 | 6D            | 20        | L99                | B             | 244 | 48  | 5D            | 17        | L173               | B             | 39  | 135 | 7A            | 14        |
| L26                | B             | 205 | 93  | 4B            | 5         | L100               | B             | 68  | 127 | 10B           | 13        | L174               | B             | 95  | 47  | 11A           | 10        |
| L27                | A             | 190 | 117 | 5A            | 12        | L101               | B             | 61  | 134 | 10B           | 13        | L175               | A             | 264 | 47  | 11D           | 22        |
| L28                | A             | 166 | 139 | 7A            | 12        | L102               | B             | 68  | 105 | 10E           | 13        | L176               | A             | 254 | 64  | 11E           | 22        |
| L29                | B             | 244 | 93  | 10B           | 17        | L103               | B             | 66  | 108 | 10E           | 13        | L177               | A             | 263 | 42  | 3B            | 22        |
| L30                | B             | 195 | 104 | 3A            | 12        | L104               | B             | 13  | 36  | 9C            | 15        | L178               | B             | 95  | 119 | 10C           | 8         |
| L31                | B             | 232 | 111 | 7D            | 20        | L105               | B             | 27  | 31  | 10C           | 15        | L179               | B             | 76  | 139 | 9A            | 13        |
| L32                | B             | 227 | 82  | 9E            | 20        | L106               | B             | 160 | 143 | 7B            | 12        | L180               | B             | 76  | 116 | 9D            | 13        |
| L33                | B             | 247 | 93  | 10C           | 17        | L107               | B             | 153 | 143 | 8B            | 12        | L181               | B             | 20  | 126 | 7B            | 14        |
| L34                | A             | 39  | 46  | 3A            | 16        | L108               | B             | 181 | 142 | 1B            | 20        | L182               | B             | 12  | 109 | 11B           | 14        |
| L35                | B             | 220 | 86  | 9D            | 20        | L109               | B             | 291 | 134 | 9D            | 18        | L183               | B             | 84  | 77  | 2A            | 8         |
| L36                | A             | 259 | 138 | 10A           | 20        | L110               | B             | 286 | 130 | 9D            | 18        | L184               | A             | 120 | 105 | 11D           | 10        |
| L37                | B             | 282 | 95  | 3B            | 19        | L111               | B             | 23  | 59  | 7B            | 15        | L185               | B             | 84  | 88  | 3A            | 8         |
| L38                | B             | 198 | 129 | 4B            | 20        | L112               | B             | 29  | 120 | 6B            | 14        | L186               | B             | 65  | 78  | 2B            | 8         |
| L39                | A             | 199 | 133 | 3D            | 20        | L113               | B             | 261 | 32  | 3C            | 17        | L187               | B             | 64  | 89  | 3B            | 8         |
| L40                | A             | 277 | 128 | 9B            | 18        | L114               | B             | 298 | 135 | 10D           | 18        | L188               | B             | 76  | 79  | 2C            | 8         |
| L41                | B             | 204 | 133 | 4B            | 20        | L115               | B             | 299 | 127 | 11D           | 18        | L189               | B             | 284 | 49  | 8A            | 19        |
| L42                | B             | 220 | 112 | 6E            | 20        | L116               | B             | 298 | 135 | 10E           | 18        | L190               | B             | 288 | 55  | 8A            | 19        |
| L43                | B             | 225 | 120 | 5E            | 20        | L117               | B             | 15  | 125 | 10B           | 14        | L191               | B             | 293 | 54  | 8A            | 19        |
| L44                | B             | 227 | 143 | 7B            | 20        | L118               | B             | 93  | 137 | 4C            | 8         | L192               | B             | 297 | 52  | 9A            | 19        |
| L45                | B             | 231 | 136 | 8B            | 20        | L119               | B             | 132 | 72  | 7E            | 4         | L193               | B             | 291 | 55  | 8B            | 19        |
| L46                | B             | 220 | 143 | 6B            | 20        | L120               | A             | 94  | 60  | 6E            | 4         | L194               | B             | 296 | 55  | 9B            | 19        |
| L47                | B             | 215 | 137 | 6B            | 20        | L121               | A             | 131 | 61  | 8B            | 21        | L195               | A             | 221 | 128 | 7A            | 20        |
| L48                | B             | 232 | 56  | 6F            | 12        | L122               | A             | 138 | 68  | 9B            | 21        | L196               | A             | 239 | 53  | 6D            | 17        |
| L49                | B             | 125 | 133 | 3B            | 13        | L123               | B             | 175 | 64  | 4E            | 6         | L197               | B             | 73  | 88  | 3C            | 8         |
| L50                | B             | 125 | 111 | 3E            | 13        | L124               | B             | 207 | 104 | 3A            | 12        | L198               | A             | 80  | 74  | 8A            | 8         |
| L51                | B             | 194 | 141 | 3B            | 20        | L125               | B             | 178 | 112 | 5B            | 12        | L199               | A             | 84  | 87  | 9A            | 8         |
| L52                | B             | 238 | 136 | 10B           | 20        | L126               | A             | 92  | 70  | 9D            | 10        | L200               | A             | 63  | 82  | 9B            | 8         |
| L53                | B             | 281 | 56  | 7B            | 19        | L127               | A             | 115 | 73  | 10E           | 10        | L201               | A             | 66  | 74  | 8B            | 8         |
| L54                | B             | 283 | 74  | 4B            | 19        | L128               | A             | 151 | 137 | 10E           | 10        | L202               | B             | 274 | 132 | 8D            | 18        |
| L55                | B             | 283 | 121 | 11D           | 18        | L129               | A             | 134 | 136 | 10D           | 10        | L203               | A             | 71  | 88  | 9C            | 8         |
| L56                | A             | 194 | 97  | 7B            | 5         | L130               | A             | 85  | 22  | 1E            | 11        | L204               | A             | 76  | 77  | 8C            | 8         |
| L57                | A             | 175 | 89  | 6E            | 5         | L131               | A             | 55  | 31  | 1E            | 11        | L205               | A             | 89  | 135 | 6B            | 5         |
| L58                | B             | 183 | 133 | 2B            | 20        | L132               | B             | 12  | 81  | 4D            | 11        | L206               | B             | 11  | 47  | 7B            | 15        |
| L59                | B             | 177 | 132 | 1B            | 20        | L133               | B             | 12  | 62  | 4F            | 11        | L207               | A             | 292 | 137 | 7F            | 19        |
| L60                | A             | 190 | 133 | 4C            | 20        | L134               | B             | 290 | 142 | 9D            | 18        | N1                 | A             | 285 | 79  | 4C            | 19        |
| L61                | A             | 296 | 119 | 3C            | 19        | L135               | B             | 276 | 49  | 7A            | 19        | N1                 | A             | 285 | 79  | 4D            | 19        |
| L62                | A             | 225 | 36  | 5E            | 12        | L136               | A             | 84  | 51  | 11E           | 10        | N1                 | A             | 285 | 79  | 4E            | 19        |
| L63                | A             | 277 | 69  | 5E            | 19        | L137               | A             | 25  | 88  | 6E            | 15        | N1                 | A             | 285 | 79  | 6D            | 19        |
| L64                | B             | 85  | 126 | 8B            | 13        | L138               | A             | 54  | 92  | 2E            | 16        | N1                 | A             | 285 | 79  | 6D            | 19        |
| L65                | B             | 85  | 103 | 8E            | 13        | L139               | B             | 95  | 142 | 4C            | 8         | N2                 | A             | 283 | 98  | 1C            | 19        |
| L66                | B             | 128 | 40  | 1E            | 3         | L140               | A             | 54  | 60  | 2E            | 16        | N2                 | A             | 283 | 98  | 1D            | 19        |
| L67                | A             | 100 | 55  | 5E            | 4         | L141               | B             | 93  | 114 | 10C           | 8         | N2                 | A             | 283 | 98  | 3E            | 19        |
| L68                | B             | 126 | 77  | 5E            | 4         | L142               | A             | 54  | 97  | 2D            | 16        | N2                 | A             | 283 | 98  | 4E            | 19        |
| L69                | B             | 264 | 115 | 2E            | 18        | L143               | A             | 53  | 110 | 1D            | 16        | N2                 | A             | 283 | 98  | 6E            | 19        |



**ROHDE & SCHWARZ**

Benennung: EE IQ-MODULATOR  
Designation: IQ-MODULATOR

Sprache:  
Lang.: de

Blatt:  
Sh.: 6 +

Aei:  
C.I.: 08.11

Typ:  
Type: SMIQ

Datum:  
Date: 99-05-17

Abteilung:  
Dpt: 1GPK

Name:  
Name: HO

Sachnr.: 1084.9800.01 XY  
Part No.:

# Nicht-Relevante Bauteile / Non-Relevant Components

| el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg |
|--------------------|---------------|-----|-----|---------------|-----------|--------------------|---------------|-----|-----|---------------|-----------|--------------------|---------------|-----|-----|---------------|-----------|
| N3                 | A             | 102 | 90  | 10A           | 22        | N27                | A             | 181 | 92  | 6C            | 5         | R7                 | A             | 39  | 60  | 3A            | 16        |
| N3                 | A             | 102 | 90  | 10C           | 22        | N28                | B             | 205 | 108 | 3B            | 12        | R8                 | A             | 169 | 125 | 7A            | 12        |
| N3                 | A             | 102 | 90  | 11D           | 22        | N29                | A             | 25  | 84  | 4D            | 15        | R9                 | A             | 192 | 64  | 9D            | 3         |
| N4                 | A             | 94  | 108 | 4E            | 8         | N29                | A             | 25  | 84  | 6E            | 15        | R10                | A             | 207 | 56  | 9E            | 3         |
| N4                 | A             | 94  | 108 | 6B            | 8         | N30                | A             | 11  | 27  | 2E            | 11        | R11                | A             | 282 | 143 | 9C            | 18        |
| N4                 | A             | 94  | 108 | 6C            | 8         | N30                | A             | 11  | 27  | 3E            | 11        | R12                | B             | 190 | 77  | 4C            | 6         |
| N4                 | A             | 94  | 108 | 6D            | 8         | N30                | A             | 11  | 27  | 8C            | 11        | R13                | A             | 298 | 84  | 5C            | 19        |
| N4                 | A             | 94  | 108 | 6E            | 8         | N31                | B             | 191 | 43  | 3A            | 6         | R14                | A             | 295 | 109 | 3C            | 19        |
| N5                 | B             | 229 | 90  | 8E            | 20        | N31                | B             | 191 | 43  | 5E            | 6         | R15                | A             | 298 | 64  | 7D            | 19        |
| N6                 | A             | 257 | 103 | 2B            | 18        | N32                | A             | 41  | 67  | 7E            | 16        | R16                | B             | 286 | 39  | 8C            | 19        |
| N6                 | A             | 257 | 103 | 3A            | 18        | N32                | A             | 41  | 67  | 9B            | 16        | R17                | A             | 198 | 72  | 6E            | 3         |
| N7                 | A             | 151 | 52  | 8C            | 21        | N33                | B             | 188 | 94  | 1E            | 5         | R18                | A             | 192 | 70  | 9D            | 3         |
| N7                 | A             | 151 | 52  | 8C            | 21        | N33                | B             | 188 | 94  | 3B            | 5         | R19                | A             | 29  | 83  | 5D            | 15        |
| N7                 | A             | 151 | 52  | 9E            | 21        | N34                | A             | 182 | 54  | 3B            | 21        | R20                | B             | 116 | 112 | 4E            | 13        |
| N8                 | A             | 143 | 76  | 10A           | 21        | N34                | A             | 182 | 54  | 3E            | 21        | R21                | B             | 116 | 135 | 4B            | 13        |
| N8                 | A             | 143 | 76  | 10C           | 21        | N35                | A             | 246 | 74  | 5E            | 22        | R22                | B             | 279 | 97  | 3A            | 19        |
| N8                 | A             | 143 | 76  | 8E            | 21        | N35                | A             | 246 | 74  | 8D            | 22        | R23                | A             | 112 | 67  | 4B            | 9         |
| N9                 | A             | 169 | 48  | 10E           | 21        | N37                | A             | 44  | 117 | 11D           | 14        | R24                | A             | 137 | 75  | 10A           | 21        |
| N9                 | A             | 169 | 48  | 5B            | 21        | N37                | A             | 44  | 117 | 4E            | 14        | R25                | A             | 133 | 69  | 4D            | 9         |
| N9                 | A             | 169 | 48  | 6B            | 21        | N37                | A             | 44  | 117 | 6C            | 14        | R26                | B             | 253 | 128 | 6E            | 18        |
| N10                | B             | 165 | 51  | 7E            | 6         | N38                | B             | 247 | 85  | 9C            | 17        | R27                | B             | 89  | 131 | 7B            | 13        |
| N10                | B             | 165 | 51  | 8B            | 6         | N39                | A             | 280 | 20  | 10C           | 19        | R28                | B             | 87  | 134 | 7C            | 13        |
| N10                | B             | 165 | 51  | 9B            | 6         | N39                | A             | 280 | 20  | 2E            | 19        | R29                | B             | 87  | 111 | 7E            | 13        |
| N11                | B             | 177 | 78  | 6B            | 6         | N40                | A             | 288 | 49  | 10D           | 19        | R30                | B             | 89  | 108 | 7E            | 13        |
| N11                | B             | 177 | 78  | 6E            | 6         | N40                | A             | 288 | 49  | 1E            | 19        | R31                | A             | 100 | 67  | 3C            | 10        |
| N11                | B             | 177 | 78  | 7C            | 6         | N41                | A             | 285 | 34  | 11C           | 19        | R32                | A             | 108 | 65  | 3D            | 10        |
| N12                | B             | 171 | 92  | 2B            | 5         | N41                | A             | 285 | 34  | 2E            | 19        | R33                | B             | 210 | 111 | 3B            | 12        |
| N13                | A             | 118 | 69  | 3B            | 9         | N42                | A             | 193 | 76  | 6E            | 3         | R34                | B             | 212 | 108 | 2B            | 12        |
| N13                | A             | 118 | 69  | 3C            | 9         | N42                | A             | 193 | 76  | 9D            | 3         | R35                | B             | 241 | 133 | 10B           | 20        |
| N13                | A             | 118 | 69  | 4E            | 9         | N42                | A             | 193 | 76  | 9E            | 3         | R36                | A             | 264 | 116 | 7B            | 18        |
| N14                | A             | 226 | 81  | 3E            | 12        | N43                | A             | 119 | 108 | 11E           | 10        | R37                | B             | 248 | 81  | 9C            | 17        |
| N14                | A             | 226 | 81  | 8D            | 12        | N43                | A             | 119 | 108 | 2B            | 10        | R38                | A             | 238 | 118 | 6B            | 18        |
| N15                | A             | 221 | 89  | 4E            | 12        | N43                | A             | 119 | 108 | 3B            | 10        | R39                | A             | 237 | 24  | 2B            | 17        |
| N15                | A             | 221 | 89  | 9D            | 12        | N44                | B             | 15  | 123 | 11B           | 14        | R40                | B             | 245 | 45  | 5C            | 17        |
| N16                | A             | 101 | 70  | 2C            | 10        | N45                | B             | 28  | 123 | 6B            | 14        | R41                | B             | 248 | 63  | 7C            | 17        |
| N16                | A             | 101 | 70  | 2D            | 10        | N46                | B             | 83  | 106 | 8E            | 13        | R42                | B             | 279 | 76  | 4A            | 19        |
| N16                | A             | 101 | 70  | 9E            | 10        | N47                | B             | 83  | 129 | 8B            | 13        | R43                | B             | 279 | 56  | 7A            | 19        |
| N16                | A             | 101 | 70  | 5A            | 7         | N48                | A             | 112 | 129 | 2E            | 10        | R44                | A             | 146 | 84  | 7A            | 21        |
| N16                | A             | 101 | 70  | 5D            | 7         | N48                | A             | 112 | 129 | 3E            | 10        | R45                | A             | 229 | 64  | 9B            | 3         |
| N17                | A             | 66  | 47  | 11E           | 10        | N48                | A             | 112 | 129 | 3E            | 5         | R46                | A             | 152 | 78  | 11D           | 21        |
| N17                | A             | 66  | 47  | 3C            | 10        | N48                | A             | 112 | 129 | 4E            | 5         | R47                | A             | 138 | 88  | 9A            | 21        |
| N17                | A             | 66  | 47  | 3D            | 10        | N48                | A             | 112 | 129 | 5A            | 5         | R48                | B             | 202 | 93  | 4C            | 5         |
| N17                | A             | 66  | 47  | 5B            | 9         | N49                | B             | 21  | 56  | 7B            | 15        | R49                | A             | 255 | 77  | 6E            | 22        |
| N17                | A             | 66  | 47  | 5D            | 9         | P4                 | B             | 102 | 37  | 5D            | 3         | R50                | A             | 255 | 93  | 6C            | 22        |
| N18                | A             | 141 | 121 | 10E           | 10        | P17                | B             | 34  | 124 | 5C            | 14        | R52                | A             | 203 | 82  | 8D            | 3         |
| N18                | A             | 141 | 121 | 5C            | 10        | P34                | B             | 224 | 72  | 7D            | 12        | R53                | B             | 68  | 67  | 7B            | 7         |
| N18                | A             | 141 | 121 | 5D            | 10        | P50                | B             | 180 | 38  | 7C            | 6         | R54                | B             | 81  | 56  | 7C            | 7         |
| N18                | A             | 141 | 121 | 5E            | 10        | P51                | B             | 167 | 134 | 3B            | 11        | R55                | B             | 223 | 89  | 9D            | 20        |
| N18                | A             | 141 | 121 | 6D            | 10        | P52                | B             | 54  | 134 | 4C            | 11        | R56                | A             | 60  | 63  | 1E            | 16        |
| N19                | A             | 73  | 33  | 1E            | 11        | P53                | B             | 232 | 91  | 11D           | 12        | R57                | A             | 151 | 28  | 2C            | 3         |
| N19                | A             | 73  | 33  | 2B            | 11        | P54                | B             | 253 | 21  | 3C            | 17        | R58                | B             | 136 | 41  | 3C            | 3         |
| N19                | A             | 73  | 33  | 3B            | 11        | P55                | B             | 259 | 64  | 7C            | 17        | R59                | A             | 227 | 57  | 5E            | 3         |
| N19                | A             | 73  | 33  | 9B            | 9         | P56                | B             | 257 | 97  | 6E            | 22        | R60                | A             | 197 | 74  | 6E            | 3         |
| N19                | A             | 73  | 33  | 9D            | 9         | P57                | B             | 267 | 51  | 3A            | 22        | R61                | A             | 151 | 97  | 8B            | 21        |
| N20                | A             | 257 | 26  | 10D           | 19        | P58                | B             | 268 | 54  | 4A            | 22        | R62                | B             | 136 | 39  | 3B            | 3         |
| N20                | A             | 257 | 26  | 11B           | 19        | P59                | B             | 12  | 129 | 10C           | 14        | R63                | A             | 181 | 43  | 2B            | 21        |
| N20                | A             | 257 | 26  | 8C            | 19        | P60                | B             | 164 | 103 | 4E            | 4         | R64                | A             | 228 | 27  | 3A            | 17        |
| N21                | A             | 257 | 57  | 11D           | 22        | P61                | B             | 164 | 105 | 4F            | 4         | R65                | A             | 140 | 65  | 6C            | 21        |
| N21                | A             | 257 | 57  | 2B            | 22        | P62                | B             | 160 | 103 | 4E            | 4         | R66                | A             | 156 | 79  | 9D            | 21        |
| N21                | A             | 257 | 57  | 3A            | 22        | P63                | B             | 138 | 103 | 6E            | 10        | R67                | A             | 135 | 74  | 10A           | 21        |
| N22                | A             | 21  | 72  | 4E            | 11        | P64                | B             | 15  | 24  | 9C            | 11        | R68                | A             | 172 | 57  | 3E            | 21        |
| N22                | A             | 21  | 72  | 8B            | 11        | P65                | B             | 28  | 52  | 8D            | 11        | R69                | A             | 179 | 44  | 4F            | 21        |
| N23                | A             | 20  | 97  | 4E            | 11        | P66                | B             | 51  | 14  | 8B            | 9         | R70                | A             | 136 | 87  | 11D           | 21        |
| N23                | A             | 20  | 97  | 9B            | 11        | P67                | B             | 49  | 74  | 9A            | 16        | R71                | B             | 187 | 39  | 3A            | 6         |
| N24                | A             | 12  | 42  | 5E            | 11        | P68                | B             | 277 | 35  | 11C           | 19        | R72                | B             | 173 | 70  | 7A            | 6         |
| N24                | A             | 12  | 42  | 7C            | 11        | P69                | B             | 160 | 105 | 3E            | 4         | R73                | B             | 186 | 74  | 4B            | 6         |
| N25                | A             | 41  | 85  | 6E            | 16        | P72                | B             | 83  | 136 | 5C            | 8         | R74                | B             | 112 | 135 | 5B            | 13        |
| N25                | A             | 41  | 85  | 8B            | 16        | P75                | B             | 83  | 113 | 11C           | 8         | R75                | B             | 98  | 126 | 6C            | 13        |
| N25                | A             | 41  | 85  | 8C            | 16        | R1                 | A             | 25  | 42  | 8D            | 11        | R76                | B             | 136 | 130 | 2C            | 13        |
| N26                | A             | 41  | 51  | 4E            | 16        | R2                 | B             | 42  | 136 | 8E            | 14        | R77                | A             | 187 | 109 | 5A            | 12        |
| N26                | A             | 41  | 51  | 4E            | 16        | R3                 | B             | 90  | 58  | 10E           | 4         | R78                | B             | 98  | 103 | 6E            | 13        |
| N26                | A             | 41  | 51  | 7E            | 16        | R4                 | A             | 40  | 107 | 2E            | 15        | R79                | B             | 113 | 112 | 5D            | 13        |
| N27                | A             | 181 | 92  | 2E            | 5         | R5                 | A             | 119 | 127 | 3E            | 5         | R80                | B             | 139 | 107 | 2E            | 13        |
| N27                | A             | 181 | 92  | 5D            | 5         | R6                 | A             | 103 | 137 | 6B            | 5         | R81                | B             | 23  | 141 | 9B            | 14        |



**ROHDE & SCHWARZ**

Benennung: EE IQ-MODULATOR  
Designation: IQ-MODULATOR

Sprache:  
Lang.: de

Blatt:  
Sh.: 7 +

Aer:  
C.I.: 08.11

Typ:  
Type: SMIQ

Datum:  
Date: 99-05-17

Abteilung:  
Dpt: 1GPK

Name:  
Name: HO

Sachnr.:  
Part No.: 1084.9800.01 XY

# Nicht-Service-Relaquant-Planele-Service-Relaquant-Planele

| el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg |
|--------------------|---------------|-----|-----|---------------|-----------|--------------------|---------------|-----|-----|---------------|-----------|--------------------|---------------|-----|-----|---------------|-----------|
| R82                | B             | 21  | 37  | 8C            | 15        | R158               | B             | 17  | 19  | 11B           | 15        | R232               | A             | 154 | 74  | 11D           | 21        |
| R83                | B             | 30  | 42  | 7C            | 15        | R159               | A             | 21  | 121 | 11E           | 14        | R233               | A             | 136 | 81  | 11B           | 21        |
| R84                | B             | 12  | 26  | 10A           | 15        | R160               | B             | 43  | 60  | 2B            | 16        | R234               | A             | 125 | 94  | 5F            | 21        |
| R85                | B             | 34  | 28  | 7C            | 15        | R161               | B             | 40  | 60  | 2A            | 16        | R235               | A             | 122 | 78  | 4F            | 21        |
| R86                | B             | 44  | 120 | 4B            | 14        | R162               | A             | 12  | 40  | 5D            | 11        | R236               | A             | 123 | 87  | 4F            | 21        |
| R87                | B             | 44  | 38  | 7E            | 15        | R163               | B             | 222 | 47  | 5D            | 12        | R237               | A             | 228 | 80  | 3E            | 12        |
| R88                | A             | 26  | 26  | 10D           | 15        | R164               | A             | 18  | 58  | 6D            | 11        | R238               | B             | 177 | 75  | 6B            | 6         |
| R89                | B             | 69  | 66  | 6B            | 7         | R165               | B             | 230 | 72  | 10E           | 20        | R239               | B             | 167 | 82  | 7C            | 6         |
| R90                | B             | 69  | 69  | 7B            | 7         | R166               | B             | 242 | 139 | 10B           | 20        | R240               | B             | 134 | 133 | 2B            | 13        |
| R91                | B             | 81  | 59  | 7C            | 7         | R167               | A             | 250 | 130 | 11C           | 20        | R241               | B             | 137 | 110 | 2E            | 13        |
| R92                | B             | 81  | 55  | 6C            | 7         | R168               | A             | 246 | 39  | 4E            | 17        | R242               | A             | 16  | 22  | 8C            | 15        |
| R93                | B             | 57  | 38  | 3E            | 7         | R169               | A             | 239 | 57  | 6D            | 17        | R243               | A             | 24  | 22  | 8E            | 15        |
| R94                | B             | 73  | 46  | 4F            | 7         | R170               | A             | 224 | 142 | 7A            | 20        | R244               | B             | 70  | 62  | 5B            | 7         |
| R95                | B             | 65  | 47  | 5B            | 7         | R171               | A             | 11  | 55  | 5E            | 11        | R245               | B             | 88  | 138 | 4B            | 8         |
| R96                | B             | 73  | 44  | 5C            | 7         | R172               | B             | 212 | 135 | 5C            | 20        | R246               | B             | 61  | 60  | 6B            | 7         |
| R97                | A             | 137 | 114 | 6E            | 10        | R173               | B             | 212 | 141 | 5C            | 20        | R247               | B             | 88  | 115 | 11C           | 8         |
| R98                | A             | 154 | 119 | 6D            | 10        | R174               | B             | 248 | 55  | 6C            | 17        | R248               | B             | 73  | 49  | 6C            | 7         |
| R99                | A             | 62  | 54  | 4C            | 10        | R175               | B             | 265 | 31  | 2C            | 17        | R249               | B             | 83  | 48  | 5C            | 7         |
| R100               | A             | 133 | 28  | 11C           | 10        | R176               | A             | 23  | 70  | 4E            | 11        | R250               | A             | 61  | 54  | 3B            | 10        |
| R101               | A             | 12  | 118 | 10E           | 14        | R177               | A             | 38  | 122 | 6E            | 14        | R251               | A             | 148 | 117 | 6E            | 10        |
| R102               | A             | 25  | 125 | 5E            | 14        | R178               | A             | 171 | 91  | 6E            | 5         | R252               | A             | 61  | 44  | 3D            | 10        |
| R103               | B             | 41  | 141 | 8D            | 14        | R179               | A             | 169 | 91  | 6E            | 5         | R253               | A             | 123 | 117 | 3A            | 10        |
| R104               | A             | 42  | 118 | 4E            | 14        | R180               | A             | 40  | 110 | 1D            | 15        | R254               | A             | 59  | 28  | 2B            | 11        |
| R105               | A             | 65  | 44  | 4D            | 10        | R181               | A             | 13  | 103 | 1E            | 15        | R255               | A             | 62  | 40  | 3B            | 11        |
| R106               | A             | 84  | 132 | 8D            | 10        | R182               | B             | 111 | 142 | 5B            | 13        | R256               | A             | 65  | 40  | 3C            | 11        |
| R107               | A             | 68  | 118 | 8E            | 10        | R183               | B             | 108 | 142 | 5B            | 13        | R257               | A             | 12  | 92  | 9B            | 11        |
| R108               | A             | 64  | 121 | 9D            | 10        | R184               | B             | 106 | 142 | 6B            | 13        | R258               | B             | 11  | 94  | 10A           | 11        |
| R109               | A             | 117 | 106 | 3B            | 10        | R185               | B             | 88  | 132 | 7B            | 13        | R259               | A             | 83  | 42  | 4D            | 9         |
| R110               | A             | 23  | 96  | 9A            | 11        | R186               | A             | 43  | 109 | 2D            | 15        | R260               | A             | 84  | 53  | 4B            | 9         |
| R111               | A             | 26  | 48  | 6D            | 11        | R187               | A             | 36  | 110 | 1D            | 15        | R261               | A             | 43  | 82  | 8B            | 16        |
| R112               | A             | 18  | 35  | 2E            | 11        | R188               | B             | 40  | 115 | 5B            | 14        | R262               | A             | 41  | 82  | 8D            | 16        |
| R113               | B             | 249 | 103 | 11C           | 17        | R189               | B             | 88  | 109 | 7E            | 13        | R263               | A             | 42  | 76  | 9B            | 16        |
| R114               | A             | 79  | 47  | 5D            | 9         | R190               | B             | 111 | 119 | 6E            | 13        | R264               | A             | 50  | 69  | 9B            | 16        |
| R115               | A             | 134 | 65  | 4E            | 9         | R191               | B             | 108 | 119 | 5E            | 13        | R265               | A             | 46  | 60  | 3E            | 16        |
| R116               | A             | 70  | 59  | 5B            | 9         | R192               | B             | 106 | 119 | 5E            | 13        | R266               | A             | 177 | 93  | 5D            | 5         |
| R117               | A             | 56  | 28  | 4E            | 9         | R193               | B             | 22  | 134 | 9B            | 14        | R267               | A             | 175 | 92  | 5C            | 5         |
| R118               | A             | 56  | 18  | 5E            | 9         | R194               | A             | 27  | 107 | 3D            | 15        | R268               | B             | 175 | 94  | 2B            | 5         |
| R119               | A             | 120 | 78  | 1E            | 9         | R195               | A             | 25  | 103 | 3E            | 15        | R269               | B             | 191 | 98  | 3C            | 5         |
| R120               | B             | 249 | 99  | 10C           | 17        | R196               | B             | 13  | 140 | 9C            | 14        | R270               | A             | 257 | 73  | 6F            | 22        |
| R121               | B             | 46  | 48  | 2B            | 16        | R197               | B             | 47  | 114 | 4C            | 14        | R271               | A             | 248 | 98  | 6D            | 22        |
| R122               | B             | 44  | 75  | 6B            | 16        | R198               | B             | 35  | 117 | 5B            | 14        | R272               | A             | 260 | 71  | 1B            | 22        |
| R123               | A             | 54  | 52  | 4E            | 16        | R199               | B             | 17  | 131 | 10B           | 14        | R273               | B             | 205 | 98  | 4C            | 5         |
| R126               | A             | 264 | 83  | 7E            | 22        | R200               | B             | 40  | 53  | 2B            | 16        | R274               | A             | 258 | 55  | 3A            | 22        |
| R127               | A             | 254 | 83  | 3C            | 22        | R201               | B             | 40  | 54  | 2B            | 16        | R275               | A             | 268 | 60  | 3A            | 22        |
| R128               | A             | 247 | 67  | 6A            | 17        | R202               | B             | 40  | 56  | 3B            | 16        | R276               | A             | 205 | 96  | 5C            | 5         |
| R129               | B             | 173 | 113 | 5B            | 12        | R203               | B             | 212 | 109 | 2B            | 12        | R277               | A             | 191 | 98  | 6C            | 5         |
| R130               | B             | 165 | 119 | 6B            | 12        | R204               | B             | 40  | 116 | 5B            | 14        | R278               | A             | 220 | 85  | 9D            | 12        |
| R131               | B             | 146 | 132 | 8A            | 12        | R205               | B             | 22  | 136 | 9B            | 14        | R279               | A             | 227 | 101 | 10E           | 12        |
| R132               | B             | 141 | 114 | 9B            | 12        | R206               | B             | 55  | 30  | 2B            | 7         | R280               | A             | 227 | 104 | 10E           | 12        |
| R133               | B             | 139 | 114 | 9B            | 12        | R207               | B             | 55  | 28  | 2B            | 7         | R281               | B             | 279 | 103 | 1B            | 19        |
| R134               | A             | 91  | 97  | 9A            | 22        | R208               | A             | 16  | 35  | 8C            | 11        | R282               | B             | 235 | 127 | 9B            | 20        |
| R135               | B             | 232 | 44  | 5C            | 12        | R209               | B             | 222 | 103 | 6F            | 20        | R283               | A             | 296 | 94  | 2D            | 19        |
| R136               | B             | 192 | 114 | 4B            | 12        | R210               | B             | 222 | 108 | 6F            | 20        | R284               | A             | 220 | 142 | 6A            | 20        |
| R137               | A             | 255 | 41  | 6B            | 17        | R211               | A             | 118 | 76  | 4E            | 9         | R285               | A             | 248 | 28  | 3B            | 17        |
| R138               | A             | 12  | 80  | 4D            | 11        | R212               | A             | 217 | 73  | 3E            | 12        | R286               | A             | 245 | 24  | 3B            | 17        |
| R139               | B             | 223 | 79  | 10D           | 20        | R213               | A             | 232 | 83  | 4E            | 12        | R287               | A             | 245 | 28  | 4B            | 17        |
| R140               | B             | 246 | 142 | 10A           | 20        | R214               | A             | 223 | 98  | 4E            | 12        | R288               | A             | 247 | 57  | 7B            | 17        |
| R141               | A             | 261 | 128 | 10C           | 20        | R215               | B             | 195 | 133 | 3C            | 20        | R289               | A             | 249 | 55  | 7B            | 17        |
| R142               | A             | 246 | 130 | 10C           | 20        | R216               | B             | 216 | 142 | 6B            | 20        | R290               | A             | 250 | 64  | 6B            | 17        |
| R143               | B             | 203 | 79  | 3E            | 6         | R217               | A             | 243 | 18  | 3C            | 17        | R291               | B             | 209 | 130 | 5B            | 20        |
| R144               | A             | 55  | 113 | 4E            | 14        | R218               | A             | 249 | 50  | 6C            | 17        | R292               | B             | 248 | 37  | 4C            | 17        |
| R145               | B             | 283 | 129 | 10D           | 18        | R219               | B             | 248 | 117 | 1E            | 18        | R293               | B             | 212 | 130 | 5C            | 20        |
| R146               | B             | 275 | 131 | 8D            | 18        | R220               | B             | 293 | 114 | 4C            | 18        | R294               | B             | 212 | 132 | 5B            | 20        |
| R147               | A             | 11  | 91  | 4D            | 11        | R221               | B             | 161 | 35  | 6B            | 21        | R295               | B             | 276 | 86  | 3B            | 19        |
| R148               | A             | 222 | 142 | 6A            | 20        | R222               | A             | 20  | 91  | 5E            | 11        | R296               | B             | 276 | 67  | 6B            | 19        |
| R149               | B             | 102 | 133 | 5B            | 13        | R223               | A             | 22  | 27  | 2E            | 11        | R297               | A             | 228 | 25  | 3B            | 17        |
| R150               | B             | 102 | 130 | 5B            | 13        | R224               | B             | 291 | 69  | 7D            | 19        | R298               | A             | 242 | 61  | 6B            | 17        |
| R151               | A             | 25  | 138 | 1E            | 14        | R225               | A             | 296 | 82  | 4D            | 19        | R299               | B             | 244 | 101 | 11C           | 17        |
| R152               | A             | 42  | 143 | 2E            | 14        | R226               | A             | 25  | 57  | 6E            | 11        | R300               | B             | 286 | 37  | 8C            | 19        |
| R153               | B             | 103 | 110 | 5D            | 13        | R227               | A             | 185 | 82  | 8D            | 3         | R301               | B             | 284 | 24  | 10C           | 19        |
| R154               | B             | 103 | 107 | 5D            | 13        | R228               | A             | 219 | 45  | 8B            | 3         | R302               | A             | 286 | 120 | 7E            | 19        |
| R155               | A             | 54  | 136 | 3E            | 14        | R229               | A             | 207 | 58  | 9D            | 3         | R303               | B             | 250 | 128 | 6E            | 18        |
| R156               | A             | 257 | 43  | 6B            | 17        | R230               | A             | 194 | 64  | 9E            | 3         | R304               | B             | 255 | 128 | 6E            | 18        |
| R157               | B             | 27  | 19  | 11C           | 15        | R231               | A             | 170 | 40  | 6B            | 21        | R305               | A             | 152 | 38  | 8C            | 21        |

|                                                                                                                |  |                                                         |  |                              |  |                        |  |                                                       |  |
|----------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------|--|------------------------------|--|------------------------|--|-------------------------------------------------------|--|
|  <b>ROHDE &amp; SCHWARZ</b> |  | Benennung: EE IQ-MODULATOR<br>Designation: IQ-MODULATOR |  | Sprache: de<br>Lang.: de     |  | Blatt: 8 +<br>Sh.: 8 + |  | Aei: 08.11<br>C.I.: 08.11                             |  |
| Typ: SMIQ<br>Type: SMIQ                                                                                        |  | Datum: 99-05-17<br>Date: 99-05-17                       |  | Abteilung: 1GPK<br>Dpt: 1GPK |  | Name: HO<br>Name: HO   |  | Sachnr.: 1084.9800.01 XY<br>Part No.: 1084.9800.01 XY |  |

| el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg |
|--------------------|---------------|-----|-----|---------------|-----------|--------------------|---------------|-----|-----|---------------|-----------|--------------------|---------------|-----|-----|---------------|-----------|
| R306               | A             | 59  | 22  | 3A            | 11        | R380               | A             | 275 | 25  | 9D            | 19        | R454               | A             | 107 | 137 | 3E            | 10        |
| R307               | A             | 68  | 38  | 3B            | 11        | R381               | B             | 24  | 37  | 10C           | 15        | R455               | A             | 77  | 38  | 4A            | 11        |
| R308               | A             | 75  | 32  | 9B            | 9         | R382               | B             | 217 | 139 | 6C            | 20        | R456               | A             | 64  | 18  | 3A            | 11        |
| R309               | A             | 75  | 36  | 9B            | 9         | R383               | B             | 30  | 44  | 10E           | 15        | R457               | A             | 29  | 51  | 10D           | 11        |
| R310               | A             | 69  | 22  | 9D            | 9         | R384               | A             | 205 | 136 | 4A            | 20        | R458               | B             | 202 | 90  | 4B            | 5         |
| R311               | A             | 73  | 22  | 9D            | 9         | R385               | A             | 23  | 41  | 8C            | 11        | R459               | A             | 166 | 18  | 2E            | 3         |
| R312               | A             | 50  | 87  | 7A            | 16        | R386               | B             | 170 | 96  | 2B            | 5         | R460               | A             | 243 | 76  | 8D            | 22        |
| R313               | A             | 38  | 86  | 7C            | 16        | R387               | A             | 187 | 108 | 6A            | 12        | R461               | A             | 261 | 78  | 8D            | 22        |
| R314               | A             | 174 | 95  | 5D            | 5         | R388               | B             | 222 | 35  | 2D            | 12        | R462               | A             | 251 | 51  | 3A            | 22        |
| R315               | B             | 192 | 91  | 3B            | 5         | R389               | B             | 222 | 39  | 3D            | 12        | R463               | A             | 231 | 99  | 10D           | 12        |
| R316               | A             | 242 | 92  | 6C            | 22        | R390               | B             | 222 | 36  | 2D            | 12        | R464               | B             | 190 | 131 | 2B            | 20        |
| R317               | A             | 191 | 88  | 6C            | 5         | R391               | A             | 280 | 84  | 4E            | 19        | R465               | B             | 72  | 64  | 5B            | 7         |
| R318               | A             | 219 | 90  | 9D            | 12        | R392               | A             | 218 | 116 | 6D            | 20        | R466               | A             | 240 | 127 | 8B            | 20        |
| R319               | A             | 193 | 92  | 2E            | 5         | R393               | A             | 42  | 19  | 7C            | 9         | R467               | A             | 287 | 28  | 2F            | 19        |
| R320               | A             | 238 | 28  | 3A            | 17        | R394               | A             | 294 | 76  | 4F            | 19        | R468               | A             | 249 | 140 | 10A           | 20        |
| R321               | A             | 291 | 25  | 10B           | 19        | R395               | A             | 293 | 100 | 3F            | 19        | R469               | B             | 84  | 47  | 5C            | 7         |
| R322               | A             | 287 | 43  | 10D           | 19        | R396               | A             | 227 | 133 | 8A            | 20        | R470               | A             | 250 | 37  | 4E            | 17        |
| R323               | A             | 238 | 61  | 7B            | 17        | R397               | A             | 107 | 97  | 11E           | 22        | R471               | B             | 293 | 106 | 5C            | 18        |
| R324               | A             | 230 | 20  | 3B            | 17        | R398               | A             | 104 | 87  | 3A            | 9         | R472               | B             | 242 | 136 | 10B           | 20        |
| R325               | A             | 244 | 59  | 6B            | 17        | R399               | A             | 105 | 56  | 3C            | 9         | R473               | B             | 276 | 94  | 3A            | 19        |
| R326               | A             | 192 | 135 | 4C            | 20        | R400               | A             | 112 | 82  | 2F            | 9         | R474               | B             | 280 | 91  | 3B            | 19        |
| R327               | B             | 123 | 36  | 3B            | 3         | R401               | B             | 278 | 130 | 8E            | 18        | R475               | A             | 196 | 140 | 4A            | 20        |
| R328               | A             | 153 | 21  | 2C            | 3         | R402               | B             | 194 | 88  | 1E            | 5         | R476               | A             | 142 | 48  | 7C            | 21        |
| R329               | A             | 149 | 20  | 2D            | 3         | R403               | B             | 177 | 98  | 2E            | 5         | R477               | A             | 100 | 28  | 11A           | 10        |
| R330               | A             | 120 | 28  | 2D            | 3         | R404               | A             | 286 | 39  | 1F            | 19        | R478               | A             | 192 | 141 | 3C            | 20        |
| R331               | B             | 118 | 36  | 3A            | 3         | R405               | A             | 277 | 46  | 1E            | 19        | R479               | B             | 173 | 106 | 5B            | 12        |
| R332               | A             | 273 | 21  | 9E            | 19        | R406               | A             | 273 | 31  | 2E            | 19        | R480               | B             | 159 | 122 | 6B            | 12        |
| R333               | A             | 22  | 31  | 3E            | 11        | R407               | B             | 75  | 55  | 5F            | 7         | R481               | B             | 159 | 120 | 7B            | 12        |
| R334               | B             | 192 | 37  | 2C            | 21        | R408               | B             | 224 | 141 | 7B            | 20        | R482               | B             | 188 | 107 | 4B            | 12        |
| R335               | A             | 194 | 26  | 1C            | 21        | R409               | A             | 239 | 97  | 4C            | 22        | R483               | B             | 190 | 107 | 4B            | 12        |
| R336               | A             | 230 | 92  | 9D            | 12        | R410               | A             | 153 | 117 | 7D            | 10        | R484               | B             | 222 | 54  | 6E            | 12        |
| R337               | B             | 223 | 87  | 9D            | 20        | R411               | A             | 273 | 73  | 7E            | 19        | R485               | B             | 151 | 133 | 8B            | 12        |
| R338               | B             | 223 | 85  | 9D            | 20        | R412               | A             | 230 | 29  | 3A            | 17        | R486               | B             | 227 | 64  | 6D            | 12        |
| R339               | A             | 257 | 134 | 9A            | 20        | R413               | A             | 292 | 68  | 5E            | 19        | R487               | B             | 161 | 131 | 7B            | 12        |
| R340               | A             | 255 | 138 | 9A            | 20        | R414               | B             | 162 | 50  | 9B            | 6         | R488               | B             | 158 | 131 | 7B            | 12        |
| R341               | B             | 244 | 72  | 8C            | 17        | R415               | A             | 251 | 69  | 6A            | 17        | R489               | B             | 63  | 53  | 5B            | 7         |
| R342               | B             | 248 | 75  | 8C            | 17        | R416               | A             | 232 | 51  | 5E            | 12        | R490               | B             | 190 | 128 | 2C            | 20        |
| R343               | B             | 244 | 78  | 8C            | 17        | R417               | B             | 278 | 132 | 8E            | 18        | R491               | A             | 222 | 113 | 5D            | 20        |
| R344               | A             | 279 | 39  | 11C           | 19        | R418               | B             | 61  | 65  | 6E            | 7         | R492               | A             | 229 | 120 | 4D            | 20        |
| R345               | A             | 275 | 37  | 11D           | 19        | R419               | B             | 71  | 54  | 6F            | 7         | R493               | A             | 251 | 140 | 10C           | 20        |
| R346               | A             | 198 | 129 | 2C            | 20        | R420               | A             | 84  | 38  | 5C            | 9         | R494               | B             | 227 | 59  | 6E            | 12        |
| R347               | A             | 234 | 126 | 9B            | 20        | R421               | A             | 84  | 61  | 5A            | 9         | R495               | B             | 222 | 56  | 6E            | 12        |
| R348               | A             | 182 | 79  | 8C            | 3         | R422               | A             | 44  | 92  | 7B            | 16        | R496               | A             | 194 | 133 | 3C            | 20        |
| R349               | B             | 64  | 22  | 2D            | 7         | R423               | A             | 129 | 28  | 2B            | 3         | R497               | A             | 232 | 129 | 9C            | 20        |
| R350               | B             | 64  | 33  | 2D            | 7         | R424               | A             | 143 | 35  | 3C            | 3         | R498               | A             | 233 | 138 | 9C            | 20        |
| R351               | B             | 159 | 118 | 7B            | 12        | R425               | A             | 146 | 28  | 2C            | 3         | R499               | A             | 231 | 101 | 10D           | 12        |
| R352               | A             | 39  | 37  | 7A            | 9         | R426               | A             | 150 | 35  | 3D            | 3         | R500               | A             | 243 | 140 | 10C           | 20        |
| R353               | A             | 72  | 59  | 5E            | 7         | R427               | B             | 113 | 36  | 3D            | 3         | R501               | A             | 35  | 39  | 7A            | 9         |
| R354               | B             | 230 | 131 | 8C            | 20        | R428               | A             | 124 | 28  | 2A            | 3         | R502               | A             | 39  | 16  | 7C            | 9         |
| R355               | A             | 250 | 136 | 11C           | 20        | R429               | A             | 141 | 28  | 2B            | 3         | R503               | A             | 37  | 31  | 7B            | 9         |
| R356               | A             | 95  | 96  | 9A            | 22        | R430               | A             | 187 | 111 | 4A            | 12        | R504               | A             | 39  | 26  | 7B            | 9         |
| R357               | B             | 229 | 139 | 7B            | 20        | R431               | A             | 261 | 49  | 3B            | 22        | R505               | B             | 293 | 129 | 10D           | 18        |
| R358               | B             | 215 | 133 | 5C            | 20        | R432               | A             | 244 | 51  | 5D            | 17        | R506               | A             | 218 | 137 | 6A            | 20        |
| R359               | B             | 222 | 106 | 6E            | 20        | R433               | B             | 232 | 100 | 7D            | 20        | R507               | B             | 265 | 29  | 2C            | 17        |
| R360               | A             | 106 | 88  | 11D           | 22        | R434               | A             | 136 | 68  | 10B           | 21        | R508               | B             | 248 | 53  | 5C            | 17        |
| R361               | A             | 274 | 80  | 5D            | 19        | R435               | A             | 140 | 93  | 9A            | 21        | R509               | B             | 248 | 58  | 6C            | 17        |
| R362               | A             | 292 | 92  | 2D            | 19        | R436               | A             | 198 | 127 | 3C            | 20        | R510               | B             | 265 | 34  | 3C            | 17        |
| R363               | B             | 220 | 139 | 6C            | 20        | R437               | B             | 151 | 128 | 9B            | 12        | R511               | B             | 295 | 52  | 9B            | 19        |
| R364               | A             | 179 | 97  | 2E            | 5         | R438               | B             | 150 | 135 | 8B            | 12        | R512               | A             | 257 | 35  | 12B           | 19        |
| R365               | B             | 29  | 65  | 6C            | 15        | R439               | B             | 222 | 45  | 5E            | 12        | R513               | B             | 276 | 91  | 3B            | 19        |
| R366               | B             | 29  | 64  | 6C            | 15        | R440               | B             | 245 | 139 | 11B           | 20        | R514               | A             | 114 | 119 | 4A            | 10        |
| R367               | B             | 28  | 74  | 5C            | 15        | R441               | B             | 240 | 139 | 10B           | 20        | R515               | B             | 76  | 44  | 5C            | 7         |
| R368               | B             | 28  | 72  | 5C            | 15        | R442               | B             | 36  | 113 | 5B            | 14        | R517               | A             | 223 | 135 | 5A            | 20        |
| R369               | B             | 60  | 37  | 2A            | 7         | R443               | B             | 19  | 131 | 10B           | 14        | R518               | A             | 235 | 142 | 7A            | 20        |
| R370               | B             | 57  | 37  | 2A            | 7         | R444               | B             | 230 | 73  | 10E           | 20        | R519               | A             | 290 | 47  | 10D           | 19        |
| R371               | B             | 59  | 23  | 2B            | 7         | R445               | A             | 179 | 15  | 1A            | 21        | R520               | A             | 61  | 52  | 3C            | 10        |
| R372               | B             | 59  | 21  | 2B            | 7         | R446               | B             | 46  | 84  | 6B            | 16        | R521               | A             | 61  | 48  | 3D            | 10        |
| R373               | B             | 84  | 27  | 10B           | 9         | R447               | B             | 200 | 131 | 4B            | 20        | R522               | A             | 63  | 134 | 8F            | 10        |
| R374               | B             | 81  | 25  | 10B           | 9         | R448               | B             | 301 | 141 | 9C            | 18        | R523               | A             | 262 | 21  | 11B           | 19        |
| R375               | B             | 78  | 20  | 10D           | 9         | R449               | B             | 225 | 114 | 5E            | 20        | R524               | B             | 140 | 130 | 2B            | 13        |
| R376               | B             | 75  | 20  | 10D           | 9         | R450               | B             | 168 | 77  | 7C            | 6         | R525               | B             | 139 | 133 | 2B            | 13        |
| R377               | B             | 205 | 139 | 5B            | 20        | R451               | B             | 173 | 43  | 10B           | 6         | R526               | B             | 142 | 110 | 2E            | 13        |
| R378               | A             | 275 | 103 | 3E            | 19        | R452               | B             | 169 | 77  | 7B            | 6         | R527               | B             | 146 | 110 | 2E            | 13        |
| R379               | B             | 219 | 139 | 6C            | 20        | R453               | A             | 26  | 68  | 5C            | 15        | R528               | A             | 228 | 135 | 8A            | 20        |



**ROHDE & SCHWARZ**

Benennung: EE IQ-MODULATOR  
Designation: IQ-MODULATOR

Sprache:  
Lang.: de

Blatt:  
Sh.: 9 +

Aei:  
C.I.: 08.11

Typ: SMIQ  
Type: SMIQ

Datum: 99-05-17  
Date: 99-05-17

Abteilung: 1GPK  
Dpt: 1GPK

Name: HO  
Name: HO

Sachnr.: 1084.9800.01 XY  
Part No.: 1084.9800.01 XY

# Nicht-Servicerelevante Bauteile / Non-Service-Relevant Components

| el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr. | Bl.<br>Pg. | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr. | Bl.<br>Pg. | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr. | Bl.<br>Pg. |
|--------------------|---------------|-----|-----|----------------|------------|--------------------|---------------|-----|-----|----------------|------------|--------------------|---------------|-----|-----|----------------|------------|
| R529               | B             | 291 | 129 | 10E            | 18         | R603               | B             | 113 | 109 | 5D             | 13         | R677               | A             | 248 | 109 | 6A             | 18         |
| R530               | B             | 296 | 129 | 10E            | 18         | R604               | B             | 126 | 106 | 3E             | 13         | R678               | A             | 259 | 117 | 7A             | 18         |
| R531               | A             | 248 | 143 | 9A             | 20         | R605               | B             | 120 | 116 | 4E             | 13         | R679               | A             | 261 | 119 | 7B             | 18         |
| R532               | A             | 197 | 143 | 3A             | 20         | R606               | B             | 121 | 104 | 4D             | 13         | R680               | A             | 247 | 117 | 6A             | 18         |
| R533               | B             | 258 | 37  | 3C             | 17         | R607               | B             | 127 | 117 | 3D             | 13         | R681               | A             | 154 | 49  | 7F             | 21         |
| R534               | B             | 253 | 37  | 4C             | 17         | R608               | A             | 85  | 104 | 3E             | 8          | R682               | B             | 244 | 106 | 11C            | 17         |
| R535               | A             | 194 | 66  | 9C             | 3          | R609               | B             | 15  | 92  | 3B             | 15         | R684               | A             | 276 | 84  | 4D             | 19         |
| R536               | A             | 81  | 32  | 10A            | 9          | R610               | B             | 72  | 66  | 4B             | 7          | R685               | A             | 290 | 94  | 2D             | 19         |
| R537               | A             | 76  | 24  | 10C            | 9          | R611               | B             | 84  | 41  | 4C             | 7          | R686               | A             | 145 | 86  | 9A             | 21         |
| R538               | A             | 76  | 14  | 10E            | 9          | R612               | B             | 78  | 42  | 5D             | 7          | R687               | A             | 105 | 82  | 3A             | 9          |
| R539               | A             | 66  | 18  | 10C            | 9          | R613               | B             | 61  | 55  | 5B             | 7          | R688               | A             | 120 | 65  | 3B             | 9          |
| R540               | B             | 12  | 91  | 10A            | 11         | R614               | B             | 14  | 28  | 10B            | 15         | R689               | A             | 127 | 72  | 3C             | 9          |
| R541               | B             | 45  | 25  | 11D            | 7          | R615               | A             | 200 | 96  | 7B             | 5          | R690               | A             | 107 | 53  | 3C             | 9          |
| R542               | B             | 45  | 32  | 11B            | 7          | R616               | A             | 61  | 139 | 10A            | 10         | R691               | B             | 197 | 127 | 4B             | 20         |
| R543               | A             | 245 | 99  | 6C             | 22         | R617               | B             | 74  | 40  | 4B             | 7          | R692               | B             | 228 | 120 | 5E             | 20         |
| R544               | A             | 28  | 47  | 10D            | 11         | R618               | B             | 73  | 41  | 4D             | 7          | R693               | B             | 231 | 143 | 7B             | 20         |
| R545               | A             | 81  | 59  | 5B             | 9          | R619               | A             | 63  | 60  | 3B             | 10         | R694               | A             | 217 | 134 | 6B             | 20         |
| R546               | A             | 226 | 73  | 8D             | 12         | R620               | A             | 114 | 115 | 4A             | 10         | R695               | B             | 108 | 62  | 3C             | 4          |
| R547               | A             | 276 | 143 | 8C             | 18         | R621               | A             | 64  | 105 | 10C            | 10         | R696               | B             | 100 | 62  | 3C             | 4          |
| R548               | A             | 246 | 52  | 5D             | 17         | R622               | A             | 255 | 38  | 8C             | 19         | R697               | B             | 107 | 47  | 3D             | 4          |
| R549               | A             | 277 | 135 | 7C             | 18         | R623               | A             | 62  | 136 | 10A            | 10         | R698               | B             | 105 | 62  | 3D             | 4          |
| R550               | A             | 79  | 44  | 5C             | 9          | R624               | A             | 61  | 50  | 3C             | 10         | R699               | B             | 110 | 69  | 4D             | 4          |
| R551               | B             | 180 | 110 | 4B             | 12         | R625               | A             | 120 | 115 | 4B             | 10         | R700               | B             | 110 | 67  | 4D             | 4          |
| R552               | B             | 161 | 114 | 6B             | 12         | R626               | A             | 26  | 93  | 10B            | 11         | R701               | B             | 111 | 71  | 4C             | 4          |
| R553               | B             | 276 | 74  | 5A             | 19         | R627               | A             | 294 | 92  | 5C             | 19         | R702               | B             | 111 | 73  | 4C             | 4          |
| R554               | B             | 276 | 54  | 7A             | 19         | R628               | A             | 12  | 33  | 8C             | 11         | R703               | B             | 111 | 93  | 6C             | 4          |
| R555               | A             | 207 | 91  | 5C             | 5          | R629               | A             | 14  | 37  | 8C             | 11         | R704               | B             | 111 | 96  | 7C             | 4          |
| R556               | B             | 116 | 115 | 4E             | 13         | R630               | A             | 56  | 39  | 8A             | 9          | R705               | B             | 110 | 88  | 7D             | 4          |
| R557               | B             | 116 | 111 | 4E             | 13         | R631               | A             | 41  | 39  | 8A             | 9          | R706               | B             | 110 | 91  | 6D             | 4          |
| R558               | B             | 116 | 134 | 4B             | 13         | R632               | A             | 41  | 37  | 7A             | 9          | R707               | B             | 111 | 90  | 7D             | 4          |
| R559               | B             | 116 | 138 | 4B             | 13         | R633               | A             | 57  | 37  | 7A             | 9          | R708               | B             | 125 | 86  | 8D             | 4          |
| R560               | A             | 187 | 105 | 6A             | 12         | R634               | A             | 56  | 26  | 8D             | 9          | R709               | B             | 110 | 97  | 8C             | 4          |
| R561               | A             | 148 | 58  | 8C             | 21         | R635               | A             | 42  | 26  | 8D             | 9          | R710               | B             | 125 | 92  | 7C             | 4          |
| R562               | A             | 145 | 56  | 9C             | 21         | R636               | A             | 42  | 24  | 7D             | 9          | R711               | A             | 286 | 68  | 5E             | 19         |
| R563               | A             | 132 | 54  | 8C             | 21         | R637               | A             | 56  | 24  | 7D             | 9          | R712               | B             | 18  | 92  | 3C             | 15         |
| R564               | A             | 279 | 37  | 11C            | 19         | R638               | A             | 40  | 34  | 6B             | 9          | R713               | A             | 231 | 55  | 5E             | 12         |
| R565               | A             | 273 | 23  | 8D             | 19         | R639               | A             | 205 | 94  | 7B             | 5          | R714               | B             | 195 | 110 | 3B             | 12         |
| R566               | B             | 167 | 45  | 9B             | 6          | R640               | A             | 144 | 83  | 10B            | 21         | R715               | A             | 136 | 35  | 10A            | 3          |
| R567               | A             | 177 | 57  | 5E             | 21         | R641               | B             | 50  | 52  | 2A             | 16         | R716               | A             | 223 | 68  | 9A             | 3          |
| R568               | A             | 129 | 36  | 7A             | 3          | R642               | A             | 50  | 89  | 7B             | 16         | R717               | A             | 118 | 119 | 3A             | 10         |
| R569               | A             | 129 | 39  | 3E             | 3          | R643               | A             | 36  | 86  | 7C             | 16         | R718               | B             | 178 | 88  | 2B             | 5          |
| R570               | A             | 172 | 72  | 5E             | 21         | R644               | B             | 40  | 69  | 4B             | 16         | R719               | A             | 202 | 80  | 8E             | 3          |
| R571               | A             | 177 | 72  | 5F             | 21         | R645               | A             | 266 | 56  | 4B             | 22         | R720               | A             | 126 | 140 | 3E             | 10         |
| R572               | A             | 35  | 36  | 7A             | 9          | R646               | A             | 252 | 83  | 4C             | 22         | R721               | B             | 196 | 41  | 2B             | 6          |
| R573               | A             | 38  | 21  | 7C             | 9          | R647               | A             | 294 | 74  | 4D             | 19         | R722               | A             | 20  | 33  | 9C             | 15         |
| R574               | B             | 150 | 72  | 4A             | 4          | R648               | B             | 173 | 117 | 5A             | 12         | R723               | A             | 26  | 32  | 9C             | 15         |
| R575               | B             | 136 | 75  | 5A             | 4          | R649               | B             | 169 | 122 | 6A             | 12         | R724               | A             | 28  | 23  | 9E             | 15         |
| R576               | B             | 150 | 65  | 5B             | 4          | R650               | B             | 147 | 132 | 9A             | 12         | R725               | A             | 28  | 27  | 9D             | 15         |
| R577               | B             | 150 | 70  | 5B             | 4          | R651               | A             | 255 | 46  | 6C             | 17         | R726               | B             | 274 | 127 | 8C             | 18         |
| R578               | B             | 150 | 60  | 3B             | 4          | R652               | B             | 225 | 44  | 5D             | 12         | R727               | A             | 294 | 84  | 4C             | 19         |
| R579               | B             | 150 | 54  | 3B             | 4          | R653               | B             | 221 | 67  | 7D             | 12         | R728               | A             | 275 | 75  | 6E             | 19         |
| R580               | B             | 134 | 62  | 3A             | 4          | R654               | B             | 224 | 67  | 7D             | 12         | R729               | A             | 294 | 71  | 4C             | 19         |
| R581               | B             | 150 | 63  | 3A             | 4          | R655               | A             | 224 | 73  | 7D             | 12         | R730               | B             | 207 | 106 | 3A             | 12         |
| R582               | B             | 175 | 58  | 7A             | 4          | R656               | A             | 221 | 73  | 7D             | 12         | R731               | B             | 13  | 78  | 5A             | 15         |
| R583               | B             | 174 | 58  | 7A             | 4          | R657               | A             | 224 | 84  | 8D             | 12         | R732               | A             | 241 | 86  | 6D             | 22         |
| R584               | B             | 173 | 55  | 7B             | 4          | R658               | B             | 190 | 118 | 4A             | 12         | R733               | A             | 286 | 109 | 2C             | 19         |
| R585               | B             | 173 | 61  | 7B             | 4          | R659               | B             | 262 | 82  | 9D             | 17         | R734               | B             | 114 | 39  | 3B             | 3          |
| R586               | A             | 154 | 83  | 11C            | 21         | R660               | B             | 227 | 75  | 10E            | 20         | R735               | B             | 116 | 39  | 3B             | 3          |
| R587               | B             | 196 | 60  | 2C             | 6          | R661               | A             | 276 | 88  | 3C             | 19         | R736               | B             | 118 | 39  | 3B             | 3          |
| R588               | A             | 282 | 71  | 5F             | 19         | R662               | B             | 239 | 142 | 10B            | 20         | R737               | B             | 120 | 39  | 3B             | 3          |
| R589               | B             | 196 | 47  | 2A             | 6          | R663               | A             | 294 | 96  | 2D             | 19         | R738               | B             | 122 | 39  | 3B             | 3          |
| R590               | B             | 201 | 39  | 2A             | 6          | R664               | A             | 299 | 108 | 3C             | 19         | R739               | B             | 124 | 39  | 3B             | 3          |
| R591               | B             | 199 | 66  | 3C             | 6          | R665               | B             | 287 | 128 | 11D            | 18         | R740               | B             | 126 | 39  | 3B             | 3          |
| R592               | B             | 199 | 68  | 3C             | 6          | R666               | A             | 280 | 109 | 1C             | 19         | R741               | B             | 136 | 44  | 5C             | 3          |
| R593               | B             | 172 | 75  | 7B             | 6          | R667               | A             | 98  | 93  | 9B             | 22         | R742               | B             | 136 | 46  | 5C             | 3          |
| R594               | B             | 205 | 79  | 3D             | 6          | R668               | A             | 145 | 95  | 9A             | 21         | R743               | B             | 136 | 48  | 5C             | 3          |
| R595               | B             | 112 | 132 | 5B             | 13         | R669               | B             | 260 | 34  | 3C             | 17         | R744               | B             | 136 | 50  | 5C             | 3          |
| R596               | B             | 100 | 130 | 6B             | 13         | R670               | B             | 252 | 63  | 6C             | 17         | R745               | B             | 136 | 52  | 5C             | 3          |
| R597               | A             | 110 | 136 | 3E             | 5          | R671               | A             | 280 | 61  | 6C             | 19         | R746               | B             | 136 | 54  | 5C             | 3          |
| R598               | B             | 126 | 129 | 3C             | 13         | R672               | A             | 281 | 90  | 6D             | 19         | R747               | B             | 136 | 56  | 5C             | 3          |
| R599               | B             | 127 | 140 | 3B             | 13         | R673               | A             | 301 | 65  | 7D             | 19         | R748               | B             | 136 | 58  | 5C             | 3          |
| R600               | B             | 120 | 139 | 4C             | 13         | R674               | B             | 30  | 112 | 1C             | 15         | R749               | A             | 153 | 17  | 1B             | 3          |
| R601               | B             | 100 | 107 | 6E             | 13         | R675               | A             | 154 | 59  | 7E             | 21         | R750               | A             | 167 | 20  | 1D             | 3          |
| R602               | B             | 121 | 127 | 4B             | 13         | R676               | A             | 156 | 59  | 7E             | 21         | R751               | B             | 139 | 51  | 2A             | 4          |

|                                                                                                                |  |                                                         |  |                              |  |                          |  |                                                       |  |
|----------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------|--|------------------------------|--|--------------------------|--|-------------------------------------------------------|--|
|  <b>ROHDE &amp; SCHWARZ</b> |  | Benennung: EE IQ-MODULATOR<br>Designation: IQ-MODULATOR |  | Sprache: de<br>Lang.: de     |  | Blatt: 10 +<br>Sh.: 10 + |  | Aei: 08.11<br>C.I.: 08.11                             |  |
| Typ: SMIQ<br>Type: SMIQ                                                                                        |  | Datum: 99-05-17<br>Date: 99-05-17                       |  | Abteilung: 1GPK<br>Dpt: 1GPK |  | Name: HO<br>Name: HO     |  | Sachnr.: 1084.9800.01 XY<br>Part No.: 1084.9800.01 XY |  |

# Nicht-Service-Relevante Bauteile / Non-Service-Relevant Components

| el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg |
|--------------------|---------------|-----|-----|---------------|-----------|--------------------|---------------|-----|-----|---------------|-----------|--------------------|---------------|-----|-----|---------------|-----------|
| R752               | B             | 125 | 97  | 8A            | 4         | R826               | B             | 221 | 119 | 6F            | 20        | R900               | A             | 283 | 26  | 3F            | 19        |
| R753               | B             | 139 | 96  | 9A            | 4         | R827               | B             | 221 | 117 | 5F            | 20        | R901               | A             | 260 | 81  | 10E           | 22        |
| R754               | A             | 134 | 85  | 3C            | 21        | R828               | B             | 221 | 116 | 5F            | 20        | R902               | B             | 294 | 50  | 9B            | 19        |
| R755               | A             | 138 | 79  | 11B           | 21        | R829               | A             | 283 | 37  | 11B           | 19        | R903               | A             | 287 | 54  | 10E           | 19        |
| R756               | B             | 171 | 71  | 8B            | 6         | R830               | A             | 281 | 39  | 11E           | 19        | R904               | B             | 253 | 34  | 3C            | 17        |
| R757               | B             | 14  | 31  | 10B           | 15        | R831               | A             | 244 | 49  | 5D            | 17        | R905               | A             | 18  | 75  | 6E            | 15        |
| R758               | A             | 24  | 30  | 10D           | 15        | R832               | A             | 273 | 29  | 9D            | 19        | R906               | B             | 241 | 105 | 11B           | 17        |
| R759               | A             | 28  | 25  | 10D           | 15        | R833               | A             | 136 | 39  | 10A           | 3         | R907               | A             | 275 | 35  | 11D           | 19        |
| R760               | B             | 90  | 142 | 4B            | 8         | R834               | A             | 163 | 41  | 6B            | 21        | R908               | A             | 19  | 89  | 6E            | 15        |
| R761               | B             | 90  | 119 | 11B           | 8         | R835               | B             | 173 | 47  | 9C            | 6         | R909               | B             | 175 | 106 | 5B            | 12        |
| R762               | A             | 112 | 119 | 4A            | 10        | R836               | A             | 151 | 119 | 6D            | 10        | R910               | A             | 37  | 88  | 7D            | 16        |
| R763               | B             | 12  | 88  | 10A           | 11        | R837               | A             | 75  | 42  | 5C            | 9         | R911               | B             | 142 | 86  | 5A            | 4         |
| R764               | A             | 256 | 87  | 4C            | 22        | R838               | A             | 79  | 57  | 5B            | 9         | R912               | A             | 154 | 80  | 11D           | 21        |
| R765               | B             | 228 | 41  | 5D            | 12        | R839               | A             | 54  | 69  | 10B           | 16        | R913               | B             | 201 | 88  | 4C            | 5         |
| R766               | A             | 34  | 29  | 7B            | 9         | R840               | B             | 110 | 75  | 11C           | 4         | R914               | A             | 247 | 81  | 5E            | 22        |
| R767               | A             | 36  | 23  | 7C            | 9         | R841               | B             | 110 | 82  | 8C            | 4         | R915               | A             | 27  | 96  | 9A            | 11        |
| R768               | A             | 229 | 106 | 11D           | 12        | R842               | B             | 111 | 80  | 5C            | 4         | R916               | A             | 197 | 35  | 2E            | 21        |
| R769               | A             | 280 | 104 | 1C            | 19        | R843               | B             | 102 | 47  | 2C            | 4         | R917               | A             | 218 | 43  | 8B            | 3         |
| R770               | B             | 223 | 77  | 10E           | 20        | R844               | B             | 102 | 127 | 7B            | 13        | R918               | A             | 231 | 65  | 8A            | 3         |
| R771               | B             | 236 | 141 | 11B           | 20        | R845               | B             | 102 | 104 | 7E            | 13        | R919               | A             | 136 | 77  | 11B           | 21        |
| R772               | B             | 282 | 126 | 11D           | 18        | R846               | B             | 145 | 135 | 9A            | 12        | R920               | A             | 257 | 71  | 6F            | 22        |
| R773               | B             | 175 | 70  | 6B            | 6         | R847               | A             | 102 | 35  | 4E            | 3         | R921               | A             | 288 | 39  | 10B           | 19        |
| R774               | A             | 287 | 77  | 6C            | 19        | R848               | B             | 104 | 133 | 5B            | 13        | R922               | B             | 297 | 48  | 10B           | 19        |
| R775               | A             | 282 | 87  | 6D            | 19        | R849               | B             | 18  | 97  | 3C            | 15        | R923               | B             | 142 | 128 | 10B           | 12        |
| R776               | A             | 96  | 90  | 10B           | 22        | R850               | B             | 104 | 110 | 5D            | 13        | R924               | B             | 149 | 112 | 10B           | 12        |
| R777               | A             | 205 | 134 | 5A            | 20        | R851               | B             | 26  | 140 | 8B            | 14        | R925               | A             | 252 | 130 | 11C           | 20        |
| R778               | A             | 14  | 64  | 7A            | 11        | R852               | B             | 26  | 136 | 8B            | 14        | R926               | B             | 282 | 133 | 8E            | 18        |
| R779               | A             | 246 | 47  | 5E            | 17        | R853               | B             | 49  | 58  | 2B            | 16        | R927               | A             | 293 | 52  | 9E            | 19        |
| R780               | A             | 220 | 116 | 6D            | 20        | R854               | B             | 165 | 115 | 5B            | 12        | R928               | A             | 29  | 79  | 5D            | 15        |
| R781               | A             | 226 | 131 | 8A            | 20        | R855               | B             | 168 | 128 | 7B            | 12        | R931               | A             | 243 | 81  | 8A            | 17        |
| R782               | A             | 20  | 24  | 9C            | 11        | R856               | B             | 262 | 88  | 9D            | 17        | R932               | A             | 289 | 52  | 10E           | 19        |
| R783               | A             | 206 | 50  | 10D           | 3         | R857               | B             | 182 | 116 | 4B            | 12        | R933               | B             | 224 | 65  | 7D            | 12        |
| R784               | A             | 194 | 45  | 10E           | 3         | R858               | B             | 279 | 91  | 3B            | 19        | R934               | B             | 220 | 65  | 7E            | 12        |
| R785               | B             | 27  | 20  | 11C           | 15        | R859               | B             | 36  | 121 | 5B            | 14        | R935               | B             | 179 | 78  | 6B            | 6         |
| R786               | B             | 27  | 16  | 11C           | 15        | R860               | B             | 15  | 130 | 10B           | 14        | R936               | A             | 38  | 74  | 9D            | 16        |
| R787               | B             | 16  | 20  | 11B           | 15        | R861               | A             | 17  | 106 | 2E            | 15        | R937               | B             | 198 | 70  | 3C            | 6         |
| R788               | B             | 16  | 16  | 11B           | 15        | R862               | A             | 27  | 83  | 4D            | 15        | R938               | A             | 29  | 77  | 4D            | 15        |
| R789               | B             | 49  | 84  | 6A            | 16        | R863               | B             | 226 | 138 | 7C            | 20        | R939               | B             | 207 | 135 | 5B            | 20        |
| R790               | A             | 54  | 54  | 3E            | 16        | R864               | B             | 226 | 137 | 7C            | 20        | R940               | A             | 288 | 33  | 11E           | 19        |
| R791               | A             | 169 | 52  | 5B            | 21        | R865               | A             | 277 | 19  | 8D            | 19        | R941               | A             | 290 | 37  | 11E           | 19        |
| R792               | A             | 185 | 53  | 4A            | 21        | R866               | A             | 264 | 95  | 10D           | 22        | R942               | B             | 195 | 77  | 4C            | 6         |
| R793               | A             | 176 | 68  | 4B            | 21        | R867               | A             | 67  | 105 | 10C           | 10        | R943               | A             | 194 | 131 | 4D            | 20        |
| R794               | A             | 171 | 64  | 4C            | 21        | R868               | A             | 83  | 57  | 5A            | 9         | R944               | A             | 38  | 76  | 9D            | 16        |
| R795               | A             | 128 | 133 | 3E            | 10        | R869               | A             | 35  | 92  | 7D            | 16        | R945               | B             | 282 | 37  | 9D            | 19        |
| R796               | A             | 135 | 123 | 5E            | 10        | R870               | A             | 219 | 70  | 9A            | 3         | R946               | B             | 283 | 37  | 9D            | 19        |
| R797               | A             | 135 | 118 | 5E            | 10        | R871               | A             | 229 | 61  | 9A            | 3         | R947               | A             | 147 | 89  | 9A            | 21        |
| R798               | A             | 135 | 121 | 5E            | 10        | R872               | A             | 158 | 127 | 5C            | 10        | R948               | A             | 147 | 91  | 9A            | 21        |
| R799               | A             | 135 | 129 | 5D            | 10        | R873               | B             | 25  | 86  | 4C            | 15        | R949               | A             | 112 | 84  | 2B            | 9         |
| R800               | A             | 135 | 126 | 5D            | 10        | R874               | A             | 81  | 38  | 5C            | 9         | R950               | A             | 112 | 86  | 2B            | 9         |
| R801               | A             | 160 | 121 | 5D            | 10        | R875               | B             | 226 | 135 | 8C            | 20        | R951               | A             | 111 | 56  | 2C            | 9         |
| R802               | A             | 158 | 119 | 6D            | 10        | R876               | A             | 139 | 73  | 10C           | 21        | R952               | A             | 111 | 58  | 2C            | 9         |
| R803               | A             | 160 | 124 | 6C            | 10        | R877               | B             | 203 | 136 | 4B            | 20        | R953               | A             | 54  | 71  | 10B           | 16        |
| R804               | A             | 161 | 129 | 5B            | 10        | R878               | B             | 162 | 52  | 8B            | 6         | R954               | B             | 208 | 138 | 5B            | 20        |
| R805               | A             | 126 | 135 | 3E            | 10        | R879               | A             | 98  | 65  | 2C            | 10        | R955               | A             | 243 | 67  | 6A            | 17        |
| R806               | A             | 255 | 53  | 2B            | 22        | R880               | A             | 158 | 131 | 5B            | 10        | R956               | A             | 122 | 119 | 3A            | 10        |
| R807               | B             | 26  | 92  | 7A            | 11        | R881               | A             | 106 | 67  | 2D            | 10        | R957               | A             | 67  | 59  | 5B            | 9         |
| R808               | A             | 14  | 84  | 8A            | 11        | R882               | A             | 107 | 133 | 2E            | 10        | R958               | A             | 81  | 49  | 5D            | 9         |
| R809               | A             | 18  | 62  | 8B            | 11        | R883               | A             | 114 | 106 | 2A            | 10        | R959               | A             | 245 | 105 | 10B           | 17        |
| R810               | B             | 293 | 110 | 5C            | 18        | R884               | B             | 217 | 112 | 6E            | 20        | R960               | A             | 245 | 103 | 10B           | 17        |
| R811               | A             | 290 | 27  | 11C           | 19        | R885               | B             | 233 | 133 | 8B            | 20        | R961               | A             | 243 | 109 | 10A           | 17        |
| R812               | A             | 45  | 48  | 4E            | 16        | R886               | A             | 246 | 35  | 4E            | 17        | R962               | A             | 243 | 111 | 10A           | 17        |
| R813               | A             | 38  | 53  | 5E            | 16        | R887               | A             | 239 | 22  | 2C            | 17        | R963               | A             | 288 | 70  | 5E            | 19        |
| R814               | B             | 205 | 128 | 4C            | 20        | R888               | B             | 223 | 144 | 6B            | 20        | R964               | A             | 42  | 74  | 9D            | 16        |
| R815               | B             | 202 | 128 | 4C            | 20        | R889               | B             | 237 | 127 | 9B            | 20        | R965               | A             | 295 | 102 | 6E            | 19        |
| R816               | B             | 190 | 75  | 4B            | 6         | R890               | B             | 278 | 135 | 8E            | 18        | R966               | B             | 248 | 102 | 11C           | 17        |
| R817               | B             | 140 | 131 | 2B            | 13        | R891               | B             | 277 | 102 | 2B            | 19        | R967               | B             | 265 | 111 | 3C            | 18        |
| R818               | B             | 145 | 110 | 2E            | 13        | R892               | A             | 291 | 23  | 2E            | 19        | R969               | B             | 88  | 141 | 5B            | 8         |
| R819               | A             | 220 | 48  | 8C            | 3         | R893               | B             | 248 | 38  | 4C            | 17        | R970               | B             | 88  | 118 | 11C           | 8         |
| R820               | A             | 192 | 68  | 10C           | 3         | R894               | B             | 276 | 83  | 4B            | 19        | R971               | A             | 118 | 66  | 3B            | 9         |
| R821               | B             | 43  | 86  | 7B            | 16        | R895               | B             | 276 | 63  | 6B            | 19        | R972               | A             | 129 | 71  | 3C            | 9         |
| R822               | B             | 288 | 27  | 9C            | 19        | R896               | A             | 258 | 95  | 9D            | 22        | R973               | A             | 24  | 106 | 3E            | 15        |
| R823               | B             | 222 | 50  | 6E            | 12        | R897               | A             | 64  | 38  | 2A            | 11        | R974               | A             | 21  | 112 | 3D            | 15        |
| R824               | B             | 230 | 69  | 10E           | 20        | R898               | B             | 244 | 66  | 7C            | 17        | R975               | A             | 251 | 101 | 1B            | 18        |
| R825               | B             | 203 | 128 | 4C            | 20        | R899               | B             | 248 | 69  | 7C            | 17        | R976               | A             | 23  | 110 | 2D            | 15        |



**ROHDE & SCHWARZ**

Benennung: EE IQ-MODULATOR  
Designation: IQ-MODULATOR

Sprache:  
Lang.: de

Blatt:  
Sh.: 11 +

Aei:  
C.I.: 08.11

Typ:  
Type: SMIQ

Datum:  
Date: 99-05-17

Abteilung:  
Dpt: 1GPK

Name:  
Name: HO

Sachnr.:  
Part No.: 1084.9800.01 XY

# Nicht-Service-Relevante Bauteile / Non-Service-Relevant Components

| el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg |
|--------------------|---------------|-----|-----|---------------|-----------|--------------------|---------------|-----|-----|---------------|-----------|--------------------|---------------|-----|-----|---------------|-----------|
| R977               | B             | 21  | 141 | 9B            | 14        | R1051              | A             | 140 | 63  | 10B           | 21        | R1125              | A             | 103 | 112 | 4F            | 8         |
| R978               | B             | 46  | 120 | 4B            | 14        | R1052              | B             | 267 | 134 | 7E            | 18        | R1126              | A             | 167 | 107 | 4E            | 4         |
| R979               | A             | 76  | 64  | 5D            | 7         | R1053              | A             | 20  | 64  | 8B            | 11        | R1127              | A             | 142 | 110 | 4F            | 4         |
| R980               | A             | 252 | 109 | 1B            | 18        | R1054              | B             | 11  | 72  | 5B            | 15        | R1128              | A             | 154 | 110 | 3F            | 4         |
| R981               | A             | 72  | 67  | 5A            | 7         | R1055              | A             | 16  | 64  | 8A            | 11        | R1129              | A             | 128 | 116 | 3A            | 10        |
| R982               | B             | 36  | 126 | 5C            | 14        | R1056              | A             | 41  | 96  | 7C            | 16        | R1130              | A             | 76  | 68  | 4D            | 7         |
| R983               | B             | 87  | 136 | 4C            | 8         | R1057              | A             | 46  | 93  | 7A            | 16        | R1131              | A             | 68  | 65  | 4A            | 7         |
| R984               | B             | 87  | 113 | 11C           | 8         | R1058              | A             | 290 | 50  | 10D           | 19        | R1132              | A             | 280 | 143 | 8C            | 18        |
| R985               | B             | 125 | 69  | 3C            | 3         | R1059              | B             | 11  | 79  | 5A            | 15        | R1133              | A             | 284 | 143 | 9C            | 18        |
| R986               | B             | 35  | 128 | 5C            | 14        | R1060              | A             | 286 | 113 | 7E            | 19        | R1134              | A             | 287 | 143 | 9C            | 18        |
| R987               | A             | 35  | 128 | 10C           | 14        | R1061              | A             | 251 | 55  | 1A            | 22        | R1135              | B             | 18  | 141 | 9B            | 14        |
| R988               | A             | 259 | 101 | 2B            | 18        | R1062              | A             | 25  | 129 | 1E            | 14        | R1136              | B             | 46  | 117 | 4B            | 14        |
| R989               | A             | 27  | 127 | 10C           | 14        | R1063              | A             | 285 | 17  | 10C           | 19        | R1137              | A             | 105 | 121 | 2A            | 10        |
| R990               | A             | 14  | 122 | 10E           | 14        | R1064              | A             | 255 | 24  | 9C            | 19        | R1138              | B             | 114 | 128 | 6A            | 13        |
| R991               | A             | 254 | 107 | 2B            | 18        | R1065              | A             | 266 | 27  | 10D           | 19        | R1139              | B             | 114 | 105 | 6D            | 13        |
| R992               | A             | 42  | 124 | 5C            | 14        | R1066              | B             | 26  | 82  | 4C            | 15        | R1140              | B             | 23  | 137 | 9B            | 14        |
| R993               | A             | 40  | 122 | 6C            | 14        | R1067              | A             | 255 | 34  | 8C            | 19        | R1141              | B             | 38  | 112 | 5B            | 14        |
| R994               | B             | 285 | 57  | 6B            | 19        | R1068              | A             | 263 | 35  | 10D           | 19        | R1142              | B             | 43  | 113 | 4B            | 14        |
| R995               | B             | 289 | 77  | 5B            | 19        | R1069              | B             | 15  | 85  | 6A            | 15        | R1143              | B             | 21  | 133 | 10B           | 14        |
| R996               | B             | 287 | 90  | 2C            | 19        | R1070              | A             | 13  | 53  | 8C            | 11        | R1144              | A             | 252 | 120 | 6B            | 18        |
| R997               | A             | 27  | 123 | 5E            | 14        | R1071              | A             | 15  | 124 | 1F            | 14        | R1145              | A             | 247 | 119 | 6B            | 18        |
| R998               | B             | 167 | 68  | 9E            | 4         | R1072              | A             | 34  | 143 | 2E            | 14        | R1146              | B             | 261 | 117 | 2E            | 18        |
| R999               | B             | 45  | 69  | 4B            | 16        | R1073              | B             | 150 | 87  | 11A           | 4         | R1147              | B             | 261 | 115 | 2E            | 18        |
| R1000              | B             | 45  | 65  | 3B            | 16        | R1074              | A             | 27  | 139 | 2F            | 14        | R1148              | B             | 280 | 115 | 4D            | 18        |
| R1001              | B             | 44  | 66  | 4B            | 16        | R1075              | B             | 43  | 35  | 9E            | 7         | R1149              | B             | 280 | 114 | 4D            | 18        |
| R1002              | A             | 265 | 110 | 3A            | 18        | R1076              | B             | 42  | 21  | 9C            | 7         | R1150              | A             | 259 | 121 | 7B            | 18        |
| R1003              | A             | 254 | 111 | 3B            | 18        | R1077              | B             | 48  | 38  | 9B            | 7         | R1151              | A             | 259 | 115 | 7A            | 18        |
| R1004              | A             | 15  | 58  | 9D            | 11        | R1078              | B             | 37  | 28  | 9A            | 7         | R1152              | B             | 265 | 108 | 3C            | 18        |
| R1005              | B             | 182 | 43  | 5E            | 6         | R1079              | B             | 56  | 23  | 11C           | 7         | R1153              | A             | 37  | 105 | 2E            | 15        |
| R1006              | B             | 166 | 75  | 6E            | 6         | R1080              | B             | 35  | 24  | 11E           | 7         | R1154              | B             | 18  | 64  | 6C            | 15        |
| R1007              | B             | 179 | 48  | 7E            | 6         | R1081              | B             | 53  | 28  | 11A           | 7         | R1155              | B             | 18  | 60  | 6C            | 15        |
| R1008              | B             | 166 | 42  | 7E            | 6         | R1082              | B             | 53  | 30  | 11C           | 7         | R1156              | A             | 13  | 111 | 3D            | 15        |
| R1009              | B             | 189 | 77  | 6E            | 6         | R1083              | B             | 73  | 33  | 2C            | 7         | R1157              | A             | 21  | 104 | 3F            | 15        |
| R1010              | B             | 189 | 49  | 6E            | 6         | R1084              | B             | 67  | 23  | 2C            | 7         | R1158              | A             | 27  | 103 | 3E            | 15        |
| R1011              | A             | 173 | 92  | 6E            | 5         | R1085              | B             | 67  | 21  | 2C            | 7         | R1159              | A             | 29  | 105 | 3D            | 15        |
| R1012              | A             | 188 | 79  | 8D            | 3         | R1086              | B             | 73  | 25  | 2C            | 7         | R1160              | B             | 19  | 63  | 6B            | 15        |
| R1013              | A             | 138 | 55  | 9D            | 21        | R1087              | B             | 49  | 20  | 10C           | 7         | R1161              | B             | 285 | 126 | 11E           | 18        |
| R1014              | A             | 155 | 42  | 9E            | 21        | R1088              | B             | 49  | 25  | 10C           | 7         | R1162              | B             | 290 | 126 | 11E           | 18        |
| R1015              | A             | 154 | 66  | 8E            | 21        | R1089              | B             | 42  | 25  | 10D           | 7         | R1163              | B             | 288 | 126 | 11D           | 18        |
| R1016              | A             | 140 | 81  | 8F            | 21        | R1090              | B             | 41  | 21  | 10E           | 7         | R1164              | A             | 64  | 131 | 10B           | 10        |
| R1017              | A             | 166 | 56  | 10D           | 21        | R1091              | B             | 43  | 27  | 10A           | 7         | R1165              | A             | 148 | 104 | 3E            | 4         |
| R1018              | A             | 172 | 46  | 10E           | 21        | R1092              | B             | 46  | 28  | 10A           | 7         | R1166              | A             | 107 | 131 | 5B            | 5         |
| R1019              | A             | 190 | 81  | 8D            | 3         | R1093              | B             | 48  | 32  | 10B           | 7         | R1167              | A             | 115 | 127 | 3E            | 5         |
| R1020              | A             | 200 | 98  | 7B            | 5         | R1094              | B             | 46  | 33  | 10B           | 7         | R1168              | A             | 126 | 131 | 4E            | 5         |
| R1021              | B             | 177 | 127 | 1C            | 20        | R1095              | A             | 13  | 51  | 8C            | 11        | R1169              | A             | 126 | 129 | 4E            | 5         |
| R1022              | B             | 187 | 79  | 5B            | 6         | R1096              | A             | 252 | 115 | 6A            | 18        | R1170              | B             | 61  | 95  | 3B            | 8         |
| R1023              | B             | 164 | 66  | 6A            | 6         | R1097              | B             | 48  | 23  | 11D           | 7         | R1171              | B             | 61  | 75  | 2B            | 8         |
| R1024              | A             | 253 | 57  | 2A            | 22        | R1098              | B             | 43  | 25  | 11D           | 7         | R1172              | B             | 78  | 93  | 3D            | 8         |
| R1025              | B             | 16  | 81  | 6A            | 15        | R1099              | B             | 45  | 27  | 11A           | 7         | R1173              | B             | 79  | 74  | 2D            | 8         |
| R1026              | A             | 26  | 45  | 9B            | 11        | R1100              | B             | 48  | 30  | 11B           | 7         | R1174              | B             | 68  | 88  | 3E            | 8         |
| R1027              | B             | 180 | 89  | 2C            | 5         | R1101              | B             | 62  | 33  | 3A            | 7         | R1175              | B             | 67  | 72  | 2E            | 8         |
| R1028              | A             | 291 | 105 | 6E            | 19        | R1102              | B             | 70  | 33  | 3C            | 7         | R1176              | A             | 72  | 77  | 8E            | 8         |
| R1029              | B             | 15  | 79  | 6B            | 15        | R1103              | A             | 54  | 127 | 3E            | 14        | R1177              | A             | 81  | 90  | 9B            | 8         |
| R1030              | B             | 274 | 20  | 10C           | 19        | R1104              | A             | 46  | 140 | 3F            | 14        | R1178              | A             | 79  | 82  | 8B            | 8         |
| R1031              | B             | 16  | 82  | 6A            | 15        | R1105              | B             | 12  | 131 | 10C           | 14        | R1179              | A             | 66  | 67  | 8C            | 8         |
| R1032              | B             | 24  | 112 | 2C            | 15        | R1106              | B             | 12  | 132 | 10C           | 14        | R1180              | A             | 67  | 90  | 9C            | 8         |
| R1033              | A             | 262 | 37  | 10D           | 19        | R1107              | A             | 19  | 141 | 9D            | 14        | R1181              | A             | 80  | 78  | 8D            | 8         |
| R1034              | A             | 37  | 35  | 6B            | 9         | R1108              | A             | 21  | 123 | 10E           | 14        | R1182              | A             | 78  | 90  | 9D            | 8         |
| R1035              | A             | 184 | 73  | 6F            | 3         | R1109              | A             | 38  | 124 | 6E            | 14        | R1183              | A             | 69  | 90  | 9E            | 8         |
| R1036              | A             | 207 | 74  | 10D           | 3         | R1110              | A             | 27  | 135 | 4D            | 14        | R1184              | A             | 76  | 117 | 5E            | 8         |
| R1037              | A             | 186 | 73  | 7F            | 3         | R1111              | B             | 125 | 115 | 3B            | 10        | R1185              | A             | 91  | 106 | 6B            | 8         |
| R1038              | A             | 207 | 78  | 10D           | 3         | R1112              | B             | 28  | 115 | 2C            | 15        | R1186              | A             | 105 | 116 | 6D            | 8         |
| R1039              | B             | 247 | 99  | 10C           | 17        | R1113              | B             | 22  | 92  | 4C            | 15        | R1187              | A             | 105 | 108 | 6E            | 8         |
| R1040              | B             | 294 | 112 | 4C            | 18        | R1114              | A             | 17  | 103 | 3F            | 15        | R1188              | A             | 88  | 117 | 6C            | 8         |
| R1041              | A             | 18  | 64  | 8A            | 11        | R1115              | A             | 12  | 113 | 3D            | 15        | R1189              | B             | 80  | 74  | 2A            | 8         |
| R1042              | A             | 27  | 66  | 9B            | 11        | R1116              | A             | 54  | 141 | 12C           | 14        | R1190              | B             | 80  | 93  | 3A            | 8         |
| R1043              | A             | 255 | 30  | 10C           | 19        | R1117              | A             | 54  | 125 | 7C            | 14        | R1191              | A             | 87  | 108 | 6C            | 8         |
| R1044              | A             | 253 | 26  | 8B            | 19        | R1118              | A             | 78  | 68  | 4D            | 7         | R1192              | A             | 99  | 119 | 6E            | 8         |
| R1045              | A             | 253 | 36  | 8C            | 19        | R1119              | A             | 74  | 68  | 4A            | 7         | R1193              | A             | 96  | 104 | 6F            | 8         |
| R1046              | A             | 253 | 32  | 8B            | 19        | R1120              | B             | 27  | 137 | 8B            | 14        | R1194              | A             | 95  | 119 | 6D            | 8         |
| R1047              | A             | 262 | 32  | 10D           | 19        | R1121              | A             | 125 | 115 | 2A            | 10        | R1195              | A             | 87  | 106 | 6B            | 8         |
| R1048              | A             | 266 | 35  | 10D           | 19        | R1122              | A             | 127 | 119 | 3A            | 10        | R1196              | A             | 101 | 120 | 6D            | 8         |
| R1049              | A             | 266 | 29  | 10C           | 19        | R1123              | B             | 17  | 95  | 3B            | 15        | R1197              | A             | 109 | 106 | 6E            | 8         |
| R1050              | A             | 268 | 33  | 10C           | 19        | R1124              | A             | 88  | 114 | 4E            | 8         | R1198              | A             | 90  | 121 | 6C            | 8         |

|                                                                     |  |                                                                       |  |                                                 |  |                                            |  |                                         |  |
|---------------------------------------------------------------------|--|-----------------------------------------------------------------------|--|-------------------------------------------------|--|--------------------------------------------|--|-----------------------------------------|--|
| <b>ROHDE &amp; SCHWARZ</b>                                          |  | Benennung: <b>EE IQ-MODULATOR</b><br>Designation: <b>IQ-MODULATOR</b> |  | Sprache: <b>de</b><br>Lang.: <b>de</b>          |  | Blatt: <b>12 +</b><br>Sh.: <b>12 +</b>     |  | Aei: <b>08.11</b><br>C.I.: <b>08.11</b> |  |
|                                                                     |  | Typ: <b>SMIQ</b><br>Type: <b>SMIQ</b>                                 |  | Datum: <b>99-05-17</b><br>Date: <b>99-05-17</b> |  | Abteilung: <b>1GPK</b><br>Dpt: <b>1GPK</b> |  | Name: <b>HO</b><br>Name: <b>HO</b>      |  |
| Sachnr.: <b>1084.9800.01 XY</b><br>Part No.: <b>1084.9800.01 XY</b> |  |                                                                       |  |                                                 |  |                                            |  |                                         |  |

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# Nicht-Relevante Bauteile / Non-Relevant Components

| el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg |
|--------------------|---------------|-----|-----|---------------|-----------|--------------------|---------------|-----|-----|---------------|-----------|--------------------|---------------|-----|-----|---------------|-----------|
| R1199              | B             | 70  | 84  | 2D            | 8         | V20                | A             | 207 | 142 | 4A            | 20        | V93                | A             | 71  | 17  | 10D           | 9         |
| R1200              | A             | 69  | 82  | 9D            | 8         | V21                | A             | 224 | 140 | 6A            | 20        | V94                | A             | 227 | 113 | 5D            | 20        |
| R1201              | A             | 47  | 108 | 1E            | 16        | V22                | A             | 229 | 141 | 8A            | 20        | V95                | A             | 212 | 138 | 6A            | 20        |
| R1202              | A             | 107 | 126 | 5A            | 5         | V23                | A             | 250 | 48  | 5E            | 17        | V96                | A             | 230 | 137 | 8A            | 20        |
| R1203              | A             | 78  | 119 | 5E            | 8         | V24                | A             | 133 | 40  | 10A           | 3         | V97                | A             | 277 | 140 | 8C            | 18        |
| R1204              | A             | 159 | 109 | 2E            | 4         | V25                | B             | 201 | 68  | 2B            | 6         | V98                | B             | 102 | 35  | 5F            | 3         |
| R1205              | A             | 171 | 107 | 2D            | 4         | V25                | B             | 201 | 68  | 2B            | 6         | V99                | B             | 238 | 129 | 9B            | 20        |
| R1206              | A             | 171 | 109 | 2D            | 4         | V26                | A             | 242 | 136 | 10C           | 20        | V100               | B             | 297 | 75  | 7E            | 19        |
| R1207              | B             | 53  | 139 | 8E            | 14        | V27                | B             | 15  | 74  | 5B            | 15        | V101               | A             | 235 | 26  | 3A            | 17        |
| R1208              | A             | 105 | 129 | 5B            | 5         | V28                | B             | 99  | 130 | 6B            | 13        | V102               | B             | 248 | 41  | 4C            | 17        |
| R1209              | A             | 89  | 110 | 6C            | 8         | V29                | B             | 99  | 107 | 6E            | 13        | V103               | B             | 276 | 80  | 4B            | 19        |
| R1210              | A             | 97  | 121 | 6E            | 8         | V30                | B             | 16  | 26  | 10A           | 15        | V104               | B             | 276 | 60  | 6B            | 19        |
| R1211              | A             | 98  | 106 | 6F            | 8         | V31                | B             | 148 | 130 | 9A            | 12        | V105               | A             | 292 | 43  | 10B           | 19        |
| R1212              | A             | 93  | 121 | 6D            | 8         | V32                | B             | 227 | 44  | 5D            | 12        | V105               | A             | 292 | 43  | 10D           | 19        |
| R1213              | B             | 52  | 137 | 8D            | 14        | V33                | A             | 254 | 142 | 9A            | 20        | V106               | B             | 44  | 79  | 6B            | 16        |
| R1214              | A             | 169 | 105 | 1D            | 4         | V34                | B             | 227 | 77  | 10D           | 20        | V107               | B             | 43  | 84  | 7B            | 16        |
| R1215              | A             | 295 | 127 | 7F            | 19        | V35                | B             | 242 | 142 | 10A           | 20        | V108               | B             | 259 | 109 | 2C            | 18        |
| R1216              | A             | 289 | 127 | 7F            | 19        | V36                | B             | 287 | 129 | 10D           | 18        | V109               | A             | 51  | 82  | 8A            | 16        |
| R1217              | B             | 275 | 33  | 6E            | 19        | V37                | A             | 283 | 134 | 8C            | 18        | V109               | A             | 51  | 82  | 8C            | 16        |
| R1218              | B             | 276 | 25  | 6E            | 19        | V38                | A             | 247 | 22  | 3C            | 17        | V110               | B             | 274 | 109 | 3C            | 18        |
| R1219              |               |     |     | 8B            | 11        | V39                | A             | 232 | 24  | 3B            | 17        | V111               | B             | 192 | 135 | 3B            | 20        |
| R1220              |               |     |     | 5D            | 19        | V40                | A             | 243 | 26  | 4B            | 17        | V112               | A             | 71  | 38  | 4B            | 11        |
| R1221              |               |     |     | 5D            | 19        | V41                | A             | 252 | 62  | 6C            | 17        | V113               | A             | 226 | 25  | 3A            | 17        |
| R1222              |               |     |     | 7D            | 19        | V42                | A             | 247 | 61  | 6B            | 17        | V114               | A             | 61  | 142 | 10A           | 10        |
| R1223              |               |     |     | 7D            | 19        | V43                | A             | 277 | 22  | 8D            | 19        | V115               | A             | 236 | 136 | 10C           | 20        |
| R1224              |               |     |     | 7E            | 19        | V44                | A             | 17  | 53  | 9D            | 11        | V116               | A             | 247 | 136 | 10C           | 20        |
| R1225              |               |     |     | 3E            | 8         | V45                | B             | 244 | 105 | 11C           | 17        | V117               | A             | 248 | 43  | 5E            | 17        |
| R1226              |               |     |     | 7D            | 19        | V46                | B             | 286 | 34  | 8C            | 19        | V118               | B             | 213 | 137 | 5B            | 20        |
| R1250              |               |     |     | 3E            | 8         | V47                | B             | 286 | 24  | 9C            | 19        | V119               | A             | 36  | 115 | 6E            | 14        |
| R1251              |               |     |     | 1E            | 8         | V48                | B             | 205 | 135 | 5B            | 20        | V120               | A             | 196 | 89  | 7C            | 5         |
| R1252              |               |     |     | 8E            | 8         | V49                | B             | 107 | 131 | 5B            | 13        | V121               | A             | 289 | 63  | 5E            | 19        |
| R1253              |               |     |     | 10E           | 8         | V50                | B             | 42  | 118 | 4B            | 14        | V122               | B             | 128 | 133 | 3B            | 13        |
| R1300              |               |     |     | 5C            | 19        | V51                | B             | 107 | 108 | 5D            | 13        | V123               | B             | 128 | 134 | 3B            | 13        |
| R1301              |               |     |     | 3C            | 19        | V52                | B             | 37  | 118 | 5B            | 14        | V124               | B             | 119 | 135 | 3B            | 13        |
| S1                 | B             | 291 | 113 | 4C            | 18        | V53                | B             | 16  | 133 | 10B           | 14        | V125               | B             | 119 | 132 | 3B            | 13        |
| S2                 | B             | 250 | 118 | 2E            | 18        | V54                | B             | 51  | 58  | 2A            | 16        | V126               | B             | 128 | 110 | 3E            | 13        |
| T1                 | B             | 296 | 50  | 10A           | 19        | V55                | B             | 170 | 128 | 7A            | 12        | V127               | B             | 128 | 112 | 3E            | 13        |
| U1                 | A             | 149 | 85  | 7B            | 21        | V56                | A             | 244 | 55  | 7B            | 17        | V128               | B             | 119 | 109 | 3E            | 13        |
| U1                 | A             | 149 | 85  | 9A            | 21        | V57                | B             | 265 | 139 | 9C            | 20        | V129               | B             | 119 | 113 | 3E            | 13        |
| U2                 | A             | 114 | 81  | 1E            | 9         | V58                | A             | 169 | 97  | 6D            | 5         | V130               | B             | 179 | 132 | 2B            | 20        |
| U2                 | A             | 114 | 81  | 2B            | 9         | V59                | A             | 185 | 48  | 3B            | 21        | V131               | B             | 300 | 72  | 7E            | 19        |
| U3                 | A             | 114 | 53  | 2C            | 9         | V60                | A             | 282 | 120 | 7E            | 19        | V132               | A             | 243 | 65  | 6A            | 17        |
| U3                 | A             | 114 | 53  | 2E            | 9         | V61                | B             | 168 | 117 | 5A            | 12        | V133               | B             | 297 | 69  | 7D            | 19        |
| U4                 | B             | 49  | 120 | 11C           | 13        | V62                | B             | 268 | 136 | 9C            | 20        | V134               | A             | 22  | 106 | 3E            | 15        |
| U5                 | B             | 19  | 25  | 11C           | 15        | V63                | B             | 185 | 119 | 4A            | 12        | V135               | B             | 297 | 92  | 5D            | 19        |
| U6                 | B             | 223 | 21  | 2B            | 12        | V64                | A             | 246 | 142 | 9B            | 20        | V136               | A             | 19  | 110 | 3D            | 15        |
| U7                 | A             | 220 | 61  | 5E            | 3         | V65                | B             | 51  | 22  | 10C           | 7         | V137               | B             | 48  | 27  | 10A           | 7         |
| U7                 | A             | 220 | 61  | 9A            | 3         | V66                | B             | 39  | 25  | 10E           | 7         | V138               | B             | 51  | 32  | 10B           | 7         |
| U7                 | A             | 220 | 61  | 9A            | 3         | V67                | A             | 59  | 18  | 3A            | 11        | V139               | B             | 38  | 18  | 10E           | 7         |
| U8                 | A             | 223 | 43  | 6E            | 3         | V68                | B             | 196 | 89  | 4B            | 5         | V140               | A             | 242 | 35  | 3E            | 17        |
| U8                 | A             | 223 | 43  | 9B            | 3         | V69                | A             | 230 | 59  | 5E            | 12        | V141               | B             | 44  | 19  | 10C           | 7         |
| U8                 | A             | 223 | 43  | 9C            | 3         | V70                | A             | 193 | 137 | 3C            | 20        | V142               | A             | 276 | 28  | 9D            | 19        |
| U9                 | B             | 260 | 140 | 6E            | 18        | V71                | B             | 17  | 137 | 9B            | 14        | V143               | B             | 287 | 99  | 3D            | 19        |
| U11                | B             | 91  | 133 | 7B            | 13        | V72                | B             | 232 | 118 | 5D            | 20        | V144               | B             | 276 | 101 | 2B            | 19        |
| U12                | B             | 91  | 110 | 7E            | 13        | V73                | B             | 260 | 92  | 5E            | 22        | V145               | B             | 201 | 130 | 4C            | 20        |
| V1                 | B             | 295 | 62  | 7D            | 19        | V74                | B             | 207 | 143 | 5A            | 20        | V146               | B             | 223 | 115 | 5E            | 20        |
| V2                 | B             | 297 | 85  | 5D            | 19        | V75                | B             | 110 | 135 | 5B            | 13        | V147               | B             | 228 | 138 | 7B            | 20        |
| V3                 | B             | 248 | 73  | 8C            | 17        | V76                | A             | 17  | 121 | 10E           | 14        | V148               | B             | 277 | 132 | 8D            | 18        |
| V4                 | B             | 248 | 79  | 8C            | 17        | V77                | B             | 110 | 112 | 5E            | 13        | V149               | A             | 255 | 133 | 9A            | 20        |
| V5                 | A             | 229 | 95  | 10D           | 12        | V78                | A             | 26  | 121 | 5D            | 14        | V150               | B             | 50  | 39  | 10B           | 7         |
| V6                 | B             | 293 | 101 | 2D            | 19        | V79                | A             | 19  | 117 | 10E           | 14        | V151               | B             | 283 | 30  | 9C            | 19        |
| V7                 | B             | 282 | 84  | 4C            | 19        | V80                | B             | 42  | 51  | 2B            | 16        | V152               | B             | 39  | 27  | 10A           | 7         |
| V8                 | B             | 248 | 67  | 7C            | 17        | V81                | B             | 171 | 108 | 5B            | 12        | V153               | B             | 289 | 91  | 5D            | 19        |
| V9                 | B             | 254 | 37  | 3C            | 17        | V82                | B             | 189 | 109 | 4B            | 12        | V154               | B             | 217 | 140 | 6B            | 20        |
| V10                | B             | 283 | 65  | 6C            | 19        | V83                | B             | 161 | 122 | 6B            | 12        | V155               | A             | 259 | 53  | 2B            | 22        |
| V11                | A             | 238 | 65  | 7B            | 17        | V84                | B             | 29  | 87  | 9A            | 11        | V156               | B             | 25  | 35  | 8C            | 15        |
| V12                | A             | 22  | 38  | 9D            | 15        | V85                | B             | 238 | 36  | 5E            | 17        | V157               | B             | 28  | 44  | 7C            | 15        |
| V13                | A             | 27  | 17  | 9E            | 15        | V86                | B             | 244 | 127 | 7A            | 20        | V158               | A             | 28  | 110 | 2D            | 15        |
| V14                | A             | 80  | 24  | 10B           | 9         | V87                | B             | 197 | 142 | 3A            | 20        | V159               | A             | 12  | 107 | 2F            | 15        |
| V15                | A             | 74  | 17  | 10D           | 9         | V88                | A             | 201 | 139 | 4A            | 20        | V160               | A             | 204 | 74  | 9D            | 3         |
| V16                | A             | 238 | 69  | 7A            | 17        | V89                | B             | 15  | 76  | 5A            | 15        | V160               | A             | 204 | 74  | 9E            | 3         |
| V17                | A             | 238 | 72  | 7A            | 17        | V90                | A             | 24  | 34  | 9C            | 15        | V161               | A             | 255 | 117 | 6A            | 18        |
| V18                | B             | 273 | 105 | 1B            | 19        | V91                | A             | 28  | 31  | 9E            | 15        | V162               | A             | 255 | 121 | 6B            | 18        |
| V19                | A             | 222 | 117 | 5D            | 20        | V92                | A             | 80  | 28  | 10A           | 9         | V163               | A             | 240 | 121 | 6B            | 18        |



**ROHDE & SCHWARZ**

Benennung: EE IQ-MODULATOR  
Designation: IQ-MODULATOR

Sprache:  
Lang.: de

Blatt:  
Sh.: 13 +

Aei:  
C.I.: 08.11

Typ: SMIQ  
Type: SMIQ

Datum: 99-05-17  
Date: 99-05-17

Abteilung: 1GPK  
Dpt: 1GPK

Name: HO  
Name: HO

Sachnr.: 1084.9800.01 XY  
Part No.: 1084.9800.01 XY

# Nicht-Service-Relevante Bauteile / Non-Service-Relevant Components

| el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg | el. Kennz.<br>Part | Seite<br>Side | X   | Y   | Planq.<br>Sqr | Bl.<br>Pg |
|--------------------|---------------|-----|-----|---------------|-----------|--------------------|---------------|-----|-----|---------------|-----------|--------------------|---------------|-----|-----|---------------|-----------|
| V164               | A             | 243 | 115 | 6A            | 18        | V185               | A             | 85  | 96  | 10A           | 8         | X247               | B             | 259 | 20  | 2C            | 17        |
| V165               | A             | 230 | 126 | 9B            | 20        | V186               | A             | 63  | 92  | 10B           | 8         | X248               | B             | 276 | 15  | 1E            | 21        |
| V166               | A             | 241 | 107 | 10B           | 17        | V187               | A             | 64  | 66  | 8B            | 8         | X249               | B             | 293 | 20  | 11A           | 19        |
| V167               | A             | 99  | 134 | 6A            | 5         | V188               | A             | 76  | 96  | 10D           | 8         | Z1                 | B             | 47  | 104 | 2E            | 16        |
| V168               | B             | 62  | 85  | 2B            | 8         | V189               | A             | 76  | 70  | 8D            | 8         | Z2                 | B             | 60  | 62  | 2E            | 16        |
| V168               | B             | 62  | 85  | 3B            | 8         | V190               | A             | 70  | 97  | 10E           | 8         | Z3                 | B             | 52  | 104 | 2D            | 16        |
| V169               | B             | 80  | 78  | 2D            | 8         | V191               | A             | 71  | 70  | 8E            | 8         | Z4                 | B             | 131 | 35  | 11C           | 10        |
| V169               | B             | 80  | 78  | 3D            | 8         | V192               | B             | 83  | 70  | 2A            | 8         | Z5                 | B             | 54  | 72  | 10B           | 16        |
| V170               | B             | 267 | 109 | 3C            | 18        | V193               | B             | 83  | 96  | 3A            | 8         | Z6                 | B             | 126 | 29  | 2B            | 3         |
| V171               | B             | 280 | 108 | 3C            | 18        | V194               |               |     |     | 7D            | 19        | Z7                 | B             | 146 | 29  | 2C            | 3         |
| V172               | B             | 71  | 74  | 2E            | 8         | V195               |               |     |     | 5C            | 19        | Z8                 | B             | 141 | 29  | 2C            | 3         |
| V172               | B             | 71  | 74  | 3E            | 8         | X1                 | B             | 81  | 141 | 5B            | 8         | Z9                 | B             | 151 | 29  | 2D            | 3         |
| V173               | A             | 78  | 86  | 8B            | 8         | X2                 | B             | 83  | 117 | 11B           | 8         | Z10                | B             | 116 | 29  | 2D            | 3         |
| V173               | A             | 78  | 86  | 9B            | 8         | X3                 | B             | 243 | 133 | 10B           | 20        | Z11                | B             | 121 | 29  | 2A            | 3         |
| V174               | A             | 69  | 80  | 8C            | 8         | X4                 | B             | 142 | 140 | 10A           | 12        | Z12                | B             | 136 | 29  | 2B            | 3         |
| V174               | A             | 69  | 80  | 9C            | 8         | X5                 | B             | 149 | 106 | 10B           | 12        | Z13                | B             | 184 | 29  | 2A            | 21        |
| V175               | A             | 84  | 77  | 9D            | 8         | X6                 | B             | 133 | 79  | 11A           | 21        | Z14                | B             | 179 | 29  | 2B            | 21        |
| V175               | A             | 84  | 77  | 9D            | 8         | X7                 | B             | 29  | 95  | 11B           | 11        | Z15                | B             | 194 | 29  | 2C            | 21        |
| V176               | A             | 66  | 87  | 8E            | 8         | X8                 | B             | 232 | 97  | 10D           | 12        | Z16                | B             | 174 | 29  | 2D            | 21        |
| V176               | A             | 66  | 87  | 9E            | 8         | X9                 | B             | 259 | 97  | 6E            | 22        | Z17                | B             | 169 | 29  | 2C            | 21        |
| V177               | B             | 78  | 84  | 2A            | 8         | X10                | B             | 85  | 136 | 5C            | 8         | Z18                | B             | 189 | 29  | 2E            | 21        |
| V177               | B             | 78  | 84  | 3A            | 8         | X11                | B             | 85  | 110 | 11C           | 8         | Z19                | B             | 110 | 29  | 11B           | 5         |
| V178               | B             | 63  | 73  | 2B            | 8         | X240               | B             | 189 | 13  | 1C            | 21        | Z20                | B             | 105 | 29  | 11C           | 5         |
| V179               | B             | 65  | 95  | 3B            | 8         | X241               | B             | 17  | 13  | 11B           | 15        | Z21                | B             | 199 | 29  | 11D           | 5         |
| V180               | B             | 74  | 71  | 2C            | 8         | X242               | B             | 27  | 13  | 11C           | 15        | Z22                | B             | 91  | 24  | 11D           | 5         |
| V181               | B             | 74  | 96  | 3C            | 8         | X243               | B             | 36  | 13  | 10D           | 11        | Z23                | B             | 91  | 17  | 11E           | 5         |
| V182               | B             | 69  | 70  | 2D            | 8         | X244               | B             | 44  | 13  | 1A            | 7         | Z24                | B             | 95  | 35  | 11A           | 10        |
| V183               | B             | 70  | 94  | 3D            | 8         | X245               | B             | 62  | 13  | 1C            | 7         |                    |               |     |     |               |           |
| V184               | A             | 85  | 66  | 8A            | 8         | X246               | B             | 245 | 15  | 1B            | 12        |                    |               |     |     |               |           |



**ROHDE & SCHWARZ**

Benennung: EE IQ-MODULATOR  
Designation: IQ-MODULATOR

Sprache:  
Lang.: de

Blatt:  
Sh.: 14 -

Aer:  
C.I.: 08.11

Typ:  
Type: SMIQ

Datum:  
Date: 99-05-17

Abteilung:  
Dpt: 1GPK

Name:  
Name: HO

Sachnr.:  
Part No.: 1084.9800.01 XY