



SERVICE MANUAL

DIGITAL VOICE REPEATER

ID-RP4000V

S-14309XZ-C1
Dec. 2006

INTRODUCTION

This service manual describes the latest service information for the **ID-RP4000V** DIGITAL VOICE REPEATER at the time of publication.

To upgrade quality, any electrical or mechanical parts and internal circuits are subject to change without notice or obligation.

CAUTION

NEVER connect the transceiver to an AC outlet or to a DC power supply that uses more than 15 V. This will ruin the transceiver.

DO NOT reverse the polarities of the power supply when connecting the transceiver.

DO NOT apply an RF signal of more than 20 dBm (100 mW) to the antenna connector. This could damage the transceiver's front end.



ORDERING PARTS

Be sure to include the following four points when ordering replacement parts:

1. 10-digit order numbers
2. Component part number and name
3. Equipment model name and unit name
4. Quantity required

<SAMPLE ORDER>

1110003491 S.IC TA31136FNG ID-RP4000V MAIN UNIT 5 pieces
 8820001210 Screw 2438 screw ID-RP4000V Top cover 10 pieces
 Addresses are provided on the inside back cover for your convenience.

REPAIR NOTES

1. Make sure a problem is internal before disassembling the transceiver.
2. **DO NOT** open the transceiver until the transceiver is disconnected from its power source.
3. **DO NOT** force any of the variable components. Turn them slowly and smoothly.
4. **DO NOT** short any circuits or electronic parts. An insulated tuning tool **MUST** be used for all adjustments.
5. **DO NOT** keep power ON for a long time when the transceiver is defective.
6. **DO NOT** transmit power into a signal generator or a sweep generator.
7. **ALWAYS** connect a 50 dB to 60 dB attenuator between the transceiver and a deviation meter or spectrum analyzer when using such test equipment.
8. **READ** the instructions of test equipment thoroughly before connecting equipment to the transceiver.

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SECTION 1 SPECIFICATIONS

GENERAL

• Operating frequency range	: Transmit 440–450 MHz Receive 440–450 MHz
• Type of emission	: F1D* (GMSK) *F7W for system operation
• Transfer rate	: 4.8 kbps
• Frequency resolutions	: 5, 6.25 kHz
• Frequency stability	: ± 0.8 kHz (based on 25°C)
• Usable temperature range	: -10°C to $+50^{\circ}\text{C}$; $+14^{\circ}\text{F}$ to $+122^{\circ}\text{F}$
• Antenna connectors	: Type-N ($50\ \Omega$) $\times 2$
• Power supply requirement	: 13.8 V DC $\pm 15\%$ (Negative ground)
• Current drain	: Transmit (High) Less than 7.0 A (Low) Less than 3.0 A Receive (Stand-by) Less than 0.7 A
• Dimensions (proj. not included)	: 483(W) \times 88(H) \times 428(D) mm; 19(W) \times 3 ¹⁵ / ₃₂ (H) \times 16 ²⁷ / ₃₂ (D) in
• Weight (Approx.)	: 7.5 kg; 16 lb 9 oz

TRANSMITTER

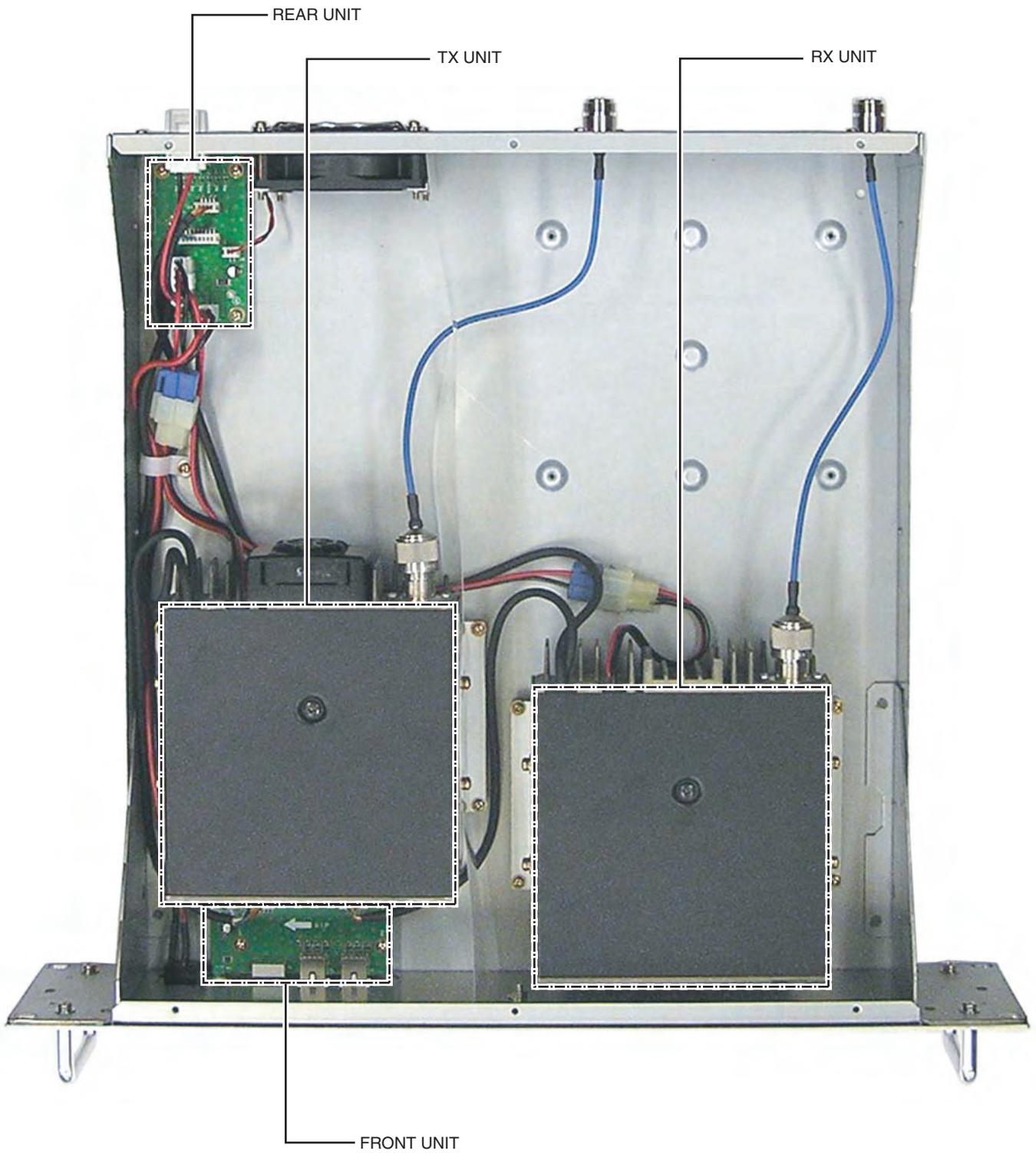
• Output power (at 13.8 V DC)	: High 23–30 W Low 2.0–3.0 W
• Modulation	: GMSK
• Modulation system	: Quadrature modulation (244.8 MHz)
• Occupied bandwidth	: Less than 5.5 kHz
• Spurious emissions	: Less than -60 dB

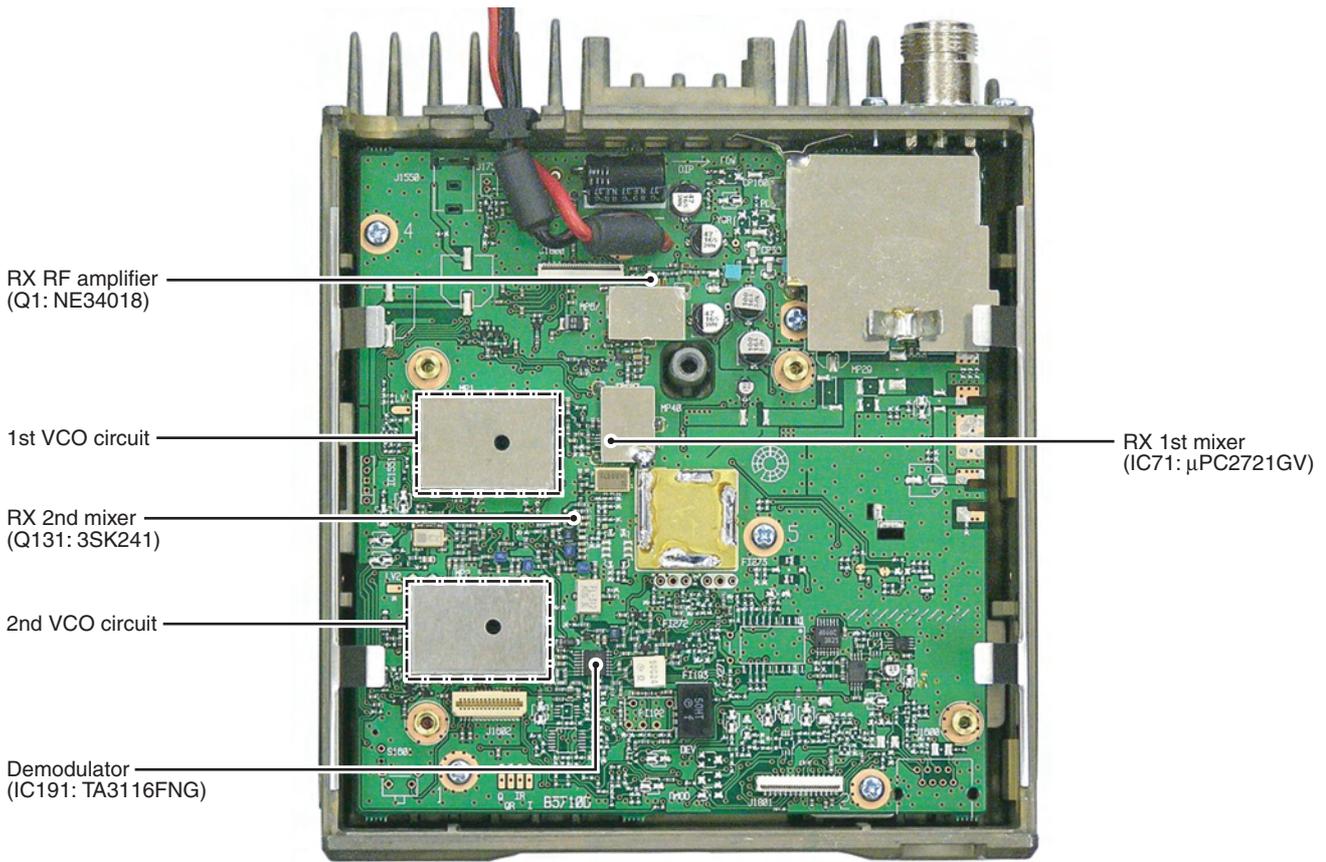
RECEIVER

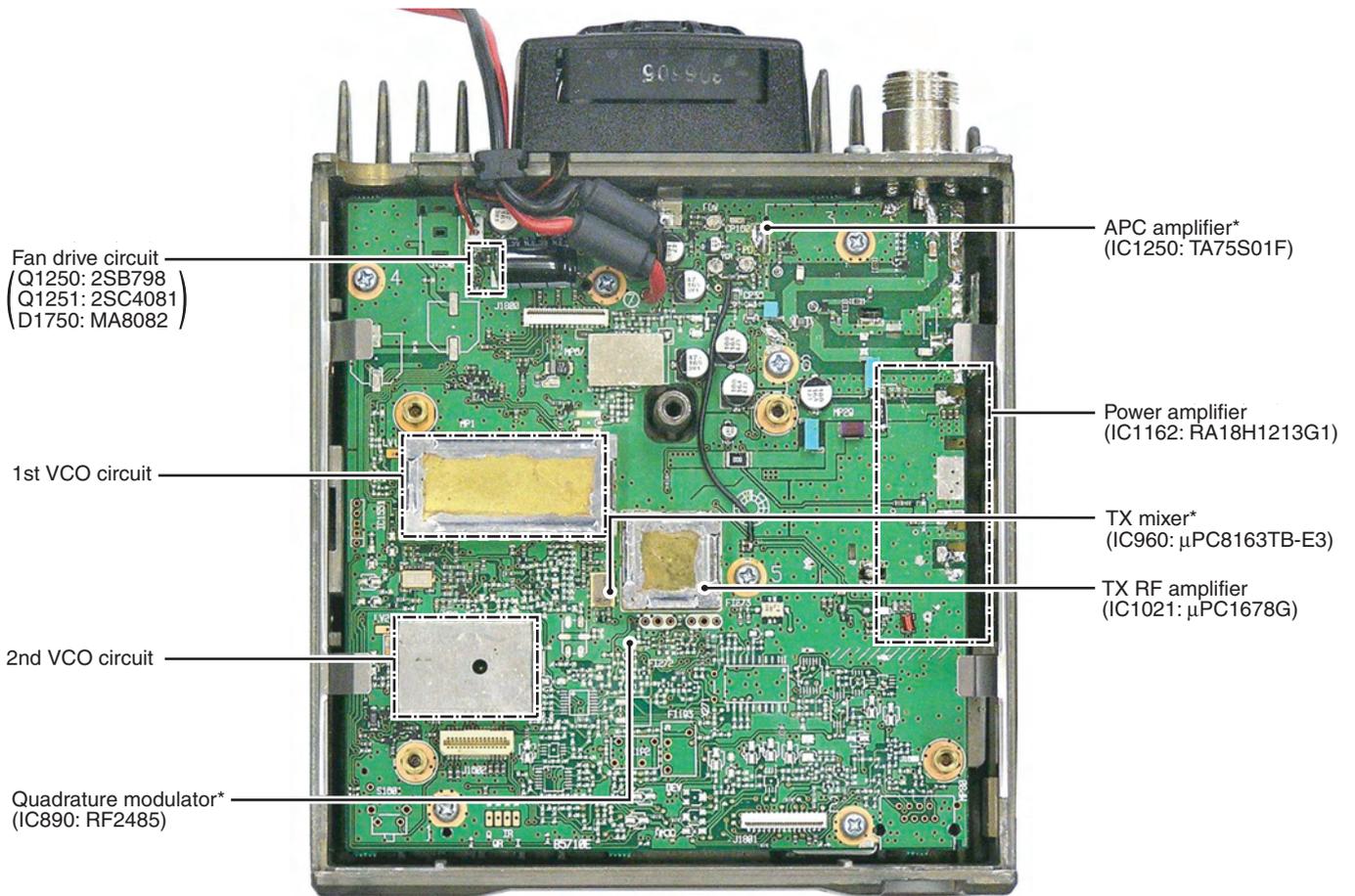
• Receive system	: Double-conversion superheterodyne system
• Intermediate frequencies	: 1st 70.0 MHz 2nd 450 kHz
• Sensitivity (BER 1×10^{-2})	: Less than -7 dB μ (0.45 μV)
• Selectivity (20 kHz offset)	: More than 65 dB
• Spurious and image rejection	: More than 70 dB
• Receive spurious	: Less than 2 nW (-57 dBm)

All stated specifications are subject to change without notice or obligation.

SECTION 2 INSIDE VIEWS



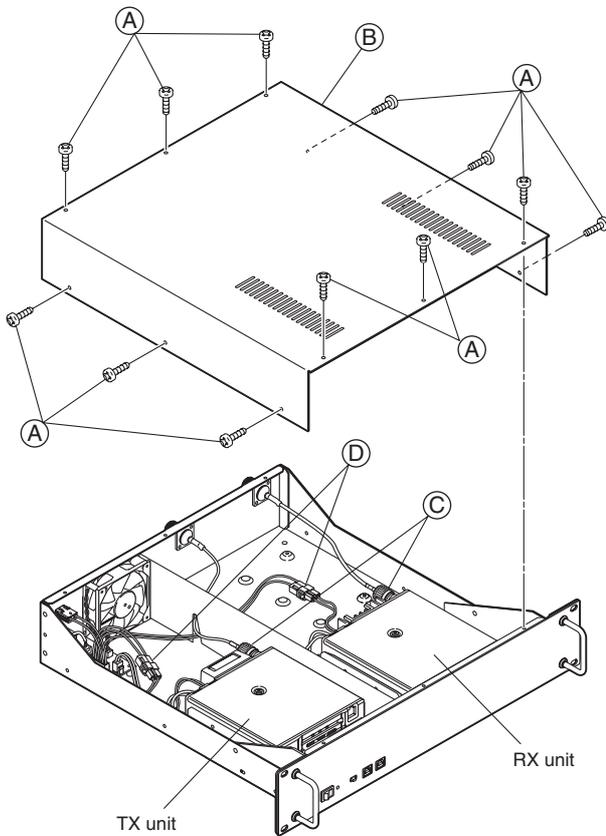




SECTION 3 DISASSEMBLY INSTRUCTION

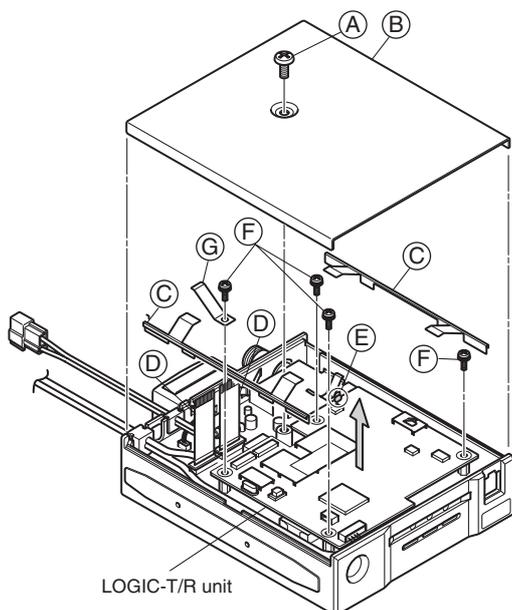
• REMOVING THE COVER

- ① Unscrew 12 screws (A), and remove the cover (B).
- ② Disconnect 2 cables (C), and disconnect 2 cables (D).



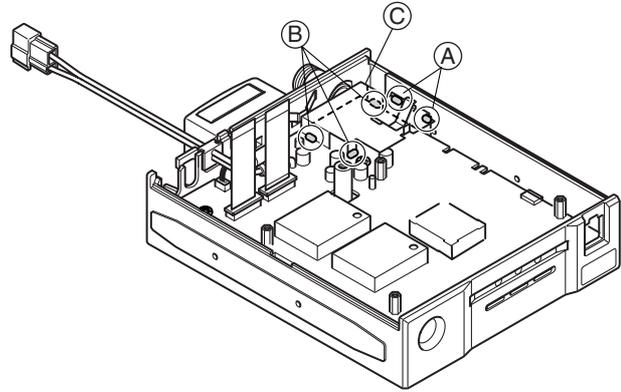
• REMOVING THE LOGIC-T/R UNIT

- ① Unscrew 1 screw (A), and remove the cover (B).
- ② Remove 2 main shield plates (C).
- ③ Disconnect 2 cables (D), and unsolder 1 point (E).
- ④ Unscrew 4 screws (F), and remove the earth spring (G).
- ⑤ Take off the LOGIC-T/R unit.

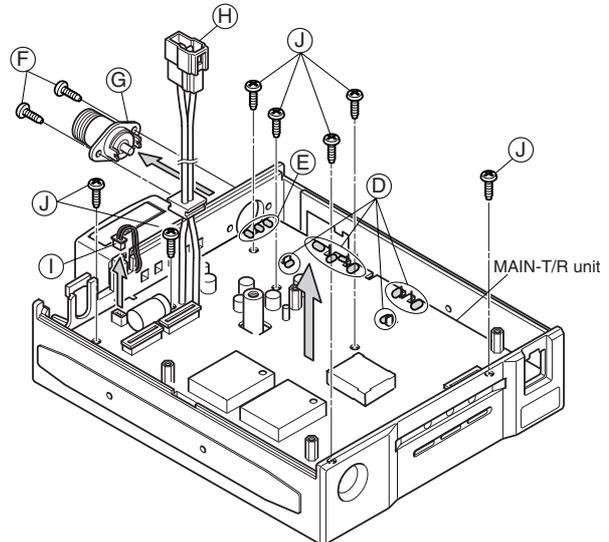


• REMOVING THE MAIN-T/R UNIT

- ① Unsolder 2 points (A). (MAIN-T unit only)
- ② Unsolder 3 points (B), and remove the ANT plate (C).



- ③ Unsolder 8 points (D). (MAIN-T unit only)
- ④ Unsolder 3 points (E).
- ⑤ Unscrew 2 screws (F), and remove the ANT connector (G).
- ⑥ Take off the cable (H) from the chassis.
- ⑦ Disconnect the cable (I). (MAIN-T unit only)
- ⑧ Unscrew 7 screws (J), and take off the MAIN-T/R unit.



SECTION 4 PARTS LIST

[LOGIC-R UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
IC5	1180002391	S.REG S-812C33AMC-C2N-G	T	49.9/4.1
IC6	1180001071	S.IC TA7805F (TE16L,Q)	T	27.5/9.8
IC7	1110005440	S.IC NJM2374AM-TE1	T	4.7/13.3
IC9	1130010630	S.IC SN74AHC1541PWR	T	96.4/30.8
IC10	1130007301	S.IC TC4W66FU (TE12L,F)	B	19/21.5
IC11	1180002391	S.REG S-812C33AMC-C2N-G	T	19.1/18
IC12	1190001340	S.IC M62334FP 600C	T	49.2/57
IC13	1130006891	S.IC TC7S04FU (TE85R,F)	T	29.7/26
IC14	1110005430	S.IC CMX589AD5	T	19.4/29.5
IC15	1110002861	S.IC TA75S393F (TE85R,F)	B	08.5/40.1
IC16	1130007111	S.IC TC7W04FU (TE12L,F)	B	68.8/29
IC17	1140008650	S.IC HN58X2464T1	T	4.6/25.5
IC18	1130008361	S.IC TC7SHU04FU (TE85L,JF)	T	7.2/45.6
IC19	1130008361	S.IC TC7SHU04FU (TE85L,JF)	B	10.4/47.3
IC20	1190001340	S.IC M62334FP 600C	T	49.2/44.2
IC21	1120002870	S.IC XCS20XL-4TQ144I	T	27.3/51.6
IC22	1130007281	S.IC TC7S32FU (TE85R,F)	B	68.9/41.2
IC23	1110005731	S.IC S-80928CNMC-G8Y-G	B	90/51.6
IC24	1130008361	S.IC TC7SHU04FU (TE85L,JF)	T	7/58.3
IC25	1130008361	S.IC TC7SHU04FU (TE85L,JF)	B	8.2/60.2
IC26	1140010091	S.IC PD70F3102AGJ-33-8EU-A	T	73.5/48.6
IC27	1130007281	S.IC TC7S32FU (TE85R,F)	B	54.1/27.3
IC28	1130012051	S.IC FT232BL	T	53.8/24.4
IC29	1130009570	S.IC BR93LC46F-WE2	T	66.8/23
IC33	1120002960	S.IC TC74AC541FT (EL)	T	76.8/73
IC36	1120002830	S.IC NJM2125F-TE1	T	65.5/73.2
Q1	1590000430	S.TR DTC144EUA T106	T	39.1/16.4
Q2	1520000201	S.TR 2SB798-T2-AZ DK	T	34.5/20.2
Q4	1590001400	S.TR XP1214 (TX)	B	20.7/24.6
Q5	1590001400	S.TR XP1214 (TX)	B	27.2/23
Q6	1590003500	S.TR DTC114YE TL	B	45.2/9.2
Q7	1590000430	S.TR DTC144EUA T106	B	20.9/34
Q8	1530002280	S.TR 2SC4081 T106 S	T	46/7.5
Q9	1520000201	S.TR 2SB798-T2-AZ DK	B	71.3/14.5
Q10	1590000430	S.TR DTC144EUA T106	T	34/32
Q11	1590000430	S.TR DTC144EUA T106	B	11.2/35.7
Q12	1590000440	S.TR DTA143ZUA T106	B	93.7/38.5
Q13	1590003500	S.TR DTC114YE TL	B	06.2/35.5
Q14	1590000430	S.TR DTC144EUA T106	B	58/22.5
D2	1790000671	S.DIO SB07-03C-TB-E	T	10.8/6.9
D3	1750000550	S.DIO 1SS355 TE-17	T	43.4/9.4
D4	1790000671	S.DIO SB07-03C-TB-E	T	15.7/17.6
D5	1790000671	S.DIO SB07-03C-TB-E	T	41.9/13.3
D6	1750000550	S.DIO 1SS355 TE-17	B	11.4/40.1
D7	1730002280	S.ZEN MA8091-M (TX)	B	110.1/47
D8	1730002280	S.ZEN MA8091-M (TX)	T	110.8/36.1
D9	1750000841	S.VCP 1SV324 (TPH3,F)	T	8.9/42
D11	1750000550	S.DIO 1SS355 TE-17	B	01.8/40.6
D12	1750000550	S.DIO 1SS355 TE-17	B	97.9/42.4
D13	1750000550	S.DIO 1SS355 TE-17	B	97.9/40.6
D15	1750000841	S.VCP 1SV324 (TPH3,F)	T	9.1/61.6
D16	1790001240	S.DIO MA2S728-TX	T	59.1/44.3
D17	1790001240	S.DIO MA2S728-TX	T	58.9/46.8
X1	6050011240	S.XTL CR-708 (16.384 MHz)	T	3.7/45.9
X2	6050011290	S.XTL CR-715 (6 MHz)	T	79.8/30.1
X3	6050011700	S.XTL CR-760 (9.8304 MHz)	T	3.7/58.4
X4	6050011290	S.XTL CR-715 (6 MHz)	T	43.5/25.1
L1	6200003590	S.COL EXCCL3225U1	B	92.1/13
L2	6200003590	S.COL EXCCL3225U1	B	05.7/10.3
L3	6200003590	S.COL EXCCL3225U1	T	3.7/22.4
L4	6190001561	S.COL CDRH5D18NP-101NC	T	10.7/18.5
L5	6190001561	S.COL CDRH5D18NP-101NC	T	10.7/11.5
L6	6200002041	S.COL NLV25T-101J	B	16.6/34.4
L7	6200005741	S.COL ELJRE 47NGFA	B	3.6/31.7
L8	6200005741	S.COL ELJRE 47NGFA	B	69.7/34.8
L9	6200005741	S.COL ELJRE 47NGFA	B	105.5/44
L10	6200005741	S.COL ELJRE 47NGFA	B	69.7/36.9
L11	6200005741	S.COL ELJRE 47NGFA	B	55.7/37.5
L12	6200006991	S.COL ELJRE 56NGFA	B	52.6/23.2
L15	6200002041	S.COL NLV25T-101J	T	61.4/25.4
L16	6200005741	S.COL ELJRE 47NGFA	T	61.5/23.5
R1	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	B	91.2/16.2
R3	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	96.8/13.7
R4	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	98.3/13.7
R5	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	99.8/13.7

[LOGIC-R UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
R7	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	02.8/13.7
R8	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	04.3/13.7
R10	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	07.3/13.7
R13	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	09.1/13.7
R14	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	80/13.7
R15	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	81.3/13.7
R16	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	82.6/13.7
R17	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	84/13.7
R21	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	86.2/17.5
R22	7030003590	S.RES ERJ3GEYJ 183 V (18 k)	T	87.9/21
R23	7030003590	S.RES ERJ3GEYJ 183 V (18 k)	T	86.2/21
R29	7030000420	S.RES MCR10EZJH 2.2 k	T	36.6/13.8
R30	7030000420	S.RES MCR10EZJH 2.2 k	T	36.6/11.9
R31	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	34.5/16.3
R32	7030000180	S.RES MCR10EZJH 22 (220)	T	33.2/13.8
R33	7030000180	S.RES MCR10EZJH 22 (220)	T	33.2/11.9
R34	7030003480	S.RES ERJ3GEYJ 222 V (2.2 k)	B	94.3/18.4
R38	7030003510	S.RES ERJ3GEYJ 392 V (3.9 k)	B	108/17.2
R40	7030003470	S.RES ERJ3GEYJ 182 V (1.8 k)	T	83.4/15.9
R41	7030003590	S.RES ERJ3GEYJ 183 V (18 k)	B	86.5/14.5
R51	7030003600	S.RES ERJ3GEYJ 223 V (22 k)	T	5.3/18.9
R52	7030003500	S.RES ERJ3GEYJ 332 V (3.3 k)	T	4/18.9
R53	7030000020	S.RES MCR10EZJH 1 (010)	B	4.3/10
R60	7030003530	S.RES ERJ3GEYJ 562 V (5.6 k)	T	6.6/18.9
R61	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	B	48/9.7
R62	7030003470	S.RES ERJ3GEYJ 182 V (1.8 k)	B	43.2/8.2
R63	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	29.7/23.8
R64	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	B	19.1/31.7
R65	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	B	19.1/30.5
R66	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	B	19.1/29.3
R67	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	B	19.1/28.1
R68	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	B	19.1/26.9
R69	7030003800	S.RES ERJ3GEYJ 105 V (1 M)	T	25.4/25.1
R70	7030003620	S.RES ERJ3GEYJ 333 V (33 k)	T	32/27.2
R71	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	T	31.4/29.6
R72	7030003750	S.RES ERJ3GEYJ 394 V (390 k)	B	17.1/25.6
R73	7030009340	S.RES ERJ3GEYJ 275 V (2.7 M)	B	13.8/22.7
R90	7030003520	S.RES ERJ3GEYJ 472 V (4.7 k)	T	45.2/10.7
R91	7030003620	S.RES ERJ3GEYJ 333 V (33 k)	B	109.8/44
R94	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	T	14.2/23.3
R115	7030003620	S.RES ERJ3GEYJ 333 V (33 k)	B	04.6/37.6
R116	7030003620	S.RES ERJ3GEYJ 333 V (33 k)	B	104.6/39
R117	7030003500	S.RES ERJ3GEYJ 332 V (3.3 k)	B	08.1/37.5
R126	7030003600	S.RES ERJ3GEYJ 223 V (22 k)	B	09.2/34.5
R127	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	B	94.5/36.2
R128	7030003490	S.RES ERJ3GEYJ 272 V (2.7 k)	B	04.5/34.2
R129	7030003620	S.RES ERJ3GEYJ 333 V (33 k)	B	05.5/45.5
R130	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	7.2/50.1
R131	7030003800	S.RES ERJ3GEYJ 105 V (1 M)	T	7.2/48.7
R132	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	10.5/50.8
R133	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	B	22.3/37.6
R134	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	B	66.3/41.2
R135	7030003570	S.RES ERJ3GEYJ 123 V (12 k)	B	02.4/38.3
R136	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	B	00.9/33.3
R137	7030003570	S.RES ERJ3GEYJ 123 V (12 k)	T	9.5/25.9
R138	7030003570	S.RES ERJ3GEYJ 123 V (12 k)	T	5.2/28.9
R139	7030003520	S.RES ERJ3GEYJ 472 V (4.7 k)	B	90.7/48.2
R140	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	T	9.1/49.4
R141	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	T	9.1/45.4
R142	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	13.2/44
R143	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	10.4/42.5
R145	7030003620	S.RES ERJ3GEYJ 333 V (33 k)	B	66.2/35.5
R146	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	B	66.2/34
R148	7030003860	S.RES ERJ3GE JPW V	T	68.5/30.1
R149	7030003340	S.RES ERJ3GEYJ 151 V (150)	B	72.8/36.9
R150	7030003360	S.RES ERJ3GEYJ 221 V (220)	B	92.2/48.2
R151	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	T	9.1/54.4
R152	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	T	9.1/58.4
R153	7030003520	S.RES ERJ3GEYJ 472 V (4.7 k)	T	40.5/51.2
R154	7030003860	S.RES ERJ3GE JPW V	T	57/40.9
R155	7030003800	S.RES ERJ3GEYJ 105 V (1 M)	T	7/60.7
R156	7030003400	S.RES ERJ3GEYJ 471 V (470)	T	7/62.2
R157	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	8.4/63.9
R158	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	T	40.8/59.3
R159	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	B	62.3/47
R160	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	B	62.5/49.3
R161	7030003510	S.RES ERJ3GEYJ 392 V (3.9 k)	B	90/43.8
R162	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	8.2/56.5
R163	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	11.7/61.2
R164	7030003860	S.RES ERJ3GE JPW V	T	37.7/63.5
R165	7030003520	S.RES ERJ3GEYJ 472 V (4.7 k)	T	39.3/62.6
R167	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	B	58.8/57.3
R168	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	54.5/57.8
R169	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	54.5/56.4
R170	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	54.5/44.7

M.=Mounted side (T: Mounted on the Top side, B: Mounted on the Bottom side)
S.=Surface mount

[LOGIC-R UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
R171	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	54.5/43.5
R172	7030003340	S.RES ERJ3GEYJ 151 V (150)	B	56.5/25.9
R173	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	B	54/25.3
R174	7030003580	S.RES ERJ3GEYJ 153 V (15 k)	B	51/26.5
R175	7030003550	S.RES ERJ3GEYJ 822 V (8.2 k)	B	51/28
R176	7030003460	S.RES ERJ3GEYJ 152 V (1.5 k)	T	53.3/18
R177	7030003400	S.RES ERJ3GEYJ 471 V (470)	B	55.5/23.2
R178	7030003860	S.RES ERJ3GE JPW V	B	52/21
R179	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	B	66.3/23.5
R180	7030003480	S.RES ERJ3GEYJ 222 V (2.2 k)	B	69/23.5
R183	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	B	55.8/31.5
R184	7030003460	S.RES ERJ3GEYJ 152 V (1.5 k)	T	57.5/16.1
R185	7030003200	S.RES ERJ3GEYJ 100 V (10)	T	57.5/18.6
R186	7030003200	S.RES ERJ3GEYJ 100 V (10)	T	57.5/17.4
R187	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	B	68.2/73
R188	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	B	28.5/35.7
R190	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	64.5/76
R192	7030003860	S.RES ERJ3GE JPW V	T	65.8/30.1
R194	7030003860	S.RES ERJ3GE JPW V	T	68.5/32.9
R195	7030003520	S.RES ERJ3GEYJ 472 V (4.7 k)	B	51/32.2
R196	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	B	52.4/32.9
C1	4030006860	S.CER C1608 JB 1H 102K-T	B	91.2/17.5
C3	4030006860	S.CER C1608 JB 1H 102K-T	B	99.1/18.4
C4	4030011600	S.CER C1608 JB 1E 104K-T	B	99.1/20.2
C5	4030011600	S.CER C1608 JB 1E 104K-T	T	90.9/14.3
C6	4030007090	S.CER C1608 CH 1H 470J-T	T	109.1/17.5
C13	4030006900	S.CER C1608 JB 1H 103K-T	B	94.3/19.7
C15	4030006860	S.CER C1608 JB 1H 102K-T	B	06.6/12.5
C16	4030007130	S.CER C1608 CH 1H 101J-T	B	06.6/13.8
C19	4030007090	S.CER C1608 CH 1H 470J-T	T	07.3/17.5
C21	4030007090	S.CER C1608 CH 1H 470J-T	T	04.3/17.5
C22	4030006850	S.CER C1608 JB 1H 471K-T	T	02.8/17.5
C24	4030007090	S.CER C1608 CH 1H 470J-T	T	98.3/17.4
C25	4030007090	S.CER C1608 CH 1H 470J-T	T	96.8/17.4
C26	4030007090	S.CER C1608 CH 1H 470J-T	B	86.5/15.9
C27	4030011810	S.CER C1608 JB 1A 224K-T	B	86.5/17.3
C28	4030006900	S.CER C1608 JB 1H 103K-T	T	62.5/73.5
C29	4030007090	S.CER C1608 CH 1H 470J-T	T	34/26.5
C30	4030007090	S.CER C1608 CH 1H 470J-T	B	26.7/32.8
C41	4510008490	S.ELE EEE1CS100SR	B	24.2/5.6
C42	4030011600	S.CER C1608 JB 1E 104K-T	T	47.5/3.4
C43	4510008520	S.ELE EEE1CA470SP	B	29.7/5.2
C44	4030011600	S.CER C1608 JB 1E 104K-T	T	30.3/16.9
C45	4510008850	S.ELE EEE1CA101P	B	10.5/5.9
C47	4030011600	S.CER C1608 JB 1E 104K-T	T	95.4/35.7
C48	4030008890	S.CER C1608 JB 1H 273K-T	B	29.5/24
C49	4030008890	S.CER C1608 JB 1H 273K-T	B	25.1/20.8
C56	4030011600	S.CER C1608 JB 1E 104K-T	T	49.7/7
C57	4550006250	S.TAN TEESVA 1A 106M8R	T	48.6/10.7
C58	4510007130	S.ELE EEFCOJ 470R	T	16.9/10.6
C59	4030011600	S.CER C1608 JB 1E 104K-T	T	27.2/16.4
C60	4510008520	S.ELE EEE1CA470SP	B	18.7/5.1
C61	4030006850	S.CER C1608 JB 1H 471K-T	T	27.2/17.6
C62	4030011600	S.CER C1608 JB 1E 104K-T	T	21.4/15.2
C63	4030006850	S.CER C1608 JB 1H 471K-T	T	6.1/7.7
C64	4550006250	S.TAN TEESVA 1A 106M8R	T	28.5/19.4
C65	4030011600	S.CER C1608 JB 1E 104K-T	T	27.7/21.8
C66	4030007000	S.CER C1608 CH 1H 090D-T	T	31.4/30.9
C67	4030006900	S.CER C1608 JB 1H 103K-T	T	27.2/24.5
C68	4030011600	S.CER C1608 JB 1E 104K-T	T	26.2/22.7
C69	4030007130	S.CER C1608 CH 1H 101J-T	B	25/23
C70	4030012600	S.CER C2012 JB 1A 105M-T	B	27/31.2
C71	4030011600	S.CER C1608 JB 1E 104K-T	B	26.8/29.6
C72	4030006860	S.CER C1608 JB 1H 102K-T	B	12.5/35
C73	4030006860	S.CER C1608 JB 1H 102K-T	B	12.5/33.8
C74	4550006050	S.TAN TEESVA 0J 106M8R	T	45.7/15.4
C75	4030011600	S.CER C1608 JB 1E 104K-T	T	21.5/19.7
C76	4550006730	S.TAN TEESVB2 0J 226M8R	T	18.1/22.5
C77	4550006250	S.TAN TEESVA 1A 106M8R	T	23.1/16
C78	4550006050	S.TAN TEESVA 0J 106M8R	B	68.8/32.3
C80	4550006250	S.TAN TEESVA 1A 106M8R	B	13.9/31.8
C81	4030011600	S.CER C1608 JB 1E 104K-T	B	14.7/29.9
C82	4030011600	S.CER C1608 JB 1E 104K-T	B	14.8/28.4
C84	4030007090	S.CER C1608 CH 1H 470J-T	B	09.8/45.3
C85	4030006860	S.CER C1608 JB 1H 102K-T	T	12.5/36.4
C86	4030006900	S.CER C1608 JB 1H 103K-T	B	58.7/58.9
C87	4030006850	S.CER C1608 JB 1H 471K-T	B	63.8/29.9
C88	4030007050	S.CER C1608 CH 1H 220J-T	T	7.2/51.4
C89	4030009520	S.CER C1608 CH 1H 020B-T	T	6.5/42
C90	4030007040	S.CER C1608 CH 1H 180J-T	T	10.3/45.4
C91	4030011600	S.CER C1608 JB 1E 104K-T	B	63.8/28.6
C92	4030011600	S.CER C1608 JB 1E 104K-T	B	3.6/29.9
C93	4030006900	S.CER C1608 JB 1H 103K-T	B	72.8/35.3
C94	4030006900	S.CER C1608 JB 1H 103K-T	T	9.8/47.4
C95	4030006900	S.CER C1608 JB 1H 103K-T	T	50.1/48
C96	4030011600	S.CER C1608 JB 1E 104K-T	B	10.5/45.2
C97	4030006900	S.CER C1608 JB 1H 103K-T	B	28.2/41.7
C98	4030006860	S.CER C1608 JB 1H 102K-T	B	70.6/43.1
C99	4030008560	S.CER C1608 CH 1H 300J-T	T	78.5/34.7

[LOGIC-R UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
C100	4030008560	S.CER C1608 CH 1H 300J-T	T	78.5/33.5
C101	4030006900	S.CER C1608 JB 1H 103K-T	T	90.3/54.2
C102	4030006900	S.CER C1608 JB 1H 103K-T	B	9.8/56.4
C103	4030007080	S.CER C1608 CH 1H 390J-T	T	10.4/58.4
C105	4030011600	S.CER C1608 JB 1E 104K-T	B	39/41.2
C106	4550006780	S.TAN TEESVB2 0J 476M8R	B	40/38.7
C107	4030011600	S.CER C1608 JB 1E 104K-T	T	59.6/40.9
C108	4030007090	S.CER C1608 CH 1H 470J-T	B	58.7/41.5
C109	4030007040	S.CER C1608 CH 1H 180J-T	T	5.5/63.4
C110	4030006900	S.CER C1608 JB 1H 103K-T	B	8.2/58
C111	4030011600	S.CER C1608 JB 1E 104K-T	B	15.1/63.2
C112	4030011600	S.CER C1608 JB 1E 104K-T	T	14.6/53.6
C113	4030006900	S.CER C1608 JB 1H 103K-T	T	27.6/65.1
C115	4030007090	S.CER C1608 CH 1H 470J-T	B	87.2/49.4
C116	4030007090	S.CER C1608 CH 1H 470J-T	T	88.6/53.6
C117	4030011600	S.CER C1608 JB 1E 104K-T	T	14.1/41.1
C118	4030011600	S.CER C1608 JB 1E 104K-T	B	93.1/65.9
C119	4030007090	S.CER C1608 CH 1H 470J-T	B	57.2/27.7
C120	4030008560	S.CER C1608 CH 1H 300J-T	T	48.1/24.8
C121	4030008560	S.CER C1608 CH 1H 300J-T	T	46.9/24.8
C122	4030007090	S.CER C1608 CH 1H 470J-T	B	63.6/64.2
C123	4030007090	S.CER C1608 CH 1H 470J-T	B	86.6/55.3
C124	4030011600	S.CER C1608 JB 1E 104K-T	B	93.2/64.4
C125	4030007090	S.CER C1608 CH 1H 470J-T	B	50.9/25.1
C126	4030011600	S.CER C1608 JB 1E 104K-T	B	55.5/22
C127	4030011600	S.CER C1608 JB 1E 104K-T	B	63.5/23.5
C131	4030006900	S.CER C1608 JB 1H 103K-T	B	53.9/32.9
C132	4550006250	S.TAN TEESVA 1A 106M8R	B	58/33.8
C133	4030008900	S.CER C1608 JB 1H 333K-T	T	54.3/16.7
C136	4030011600	S.CER C1608 JB 1E 104K-T	T	67.4/76
C137	4030007130	S.CER C1608 CH 1H 101J-T	T	60.5/22.2
C138	4030007050	S.CER C1608 CH 1H 220J-T	B	99.5/12.2
C139	4030007050	S.CER C1608 CH 1H 220J-T	B	98/12.2
C140	4030006860	S.CER C1608 JB 1H 102K-T	B	55.8/34.3
C141	4550000460	S.TAN TEESVA 1C 105M8R	B	95.1/21.5
C142	4550000460	S.TAN TEESVA 1C 105M8R	B	102.8/17
C143	4550000460	S.TAN TEESVA 1C 105M8R	B	81.4/13
C144	4550000460	S.TAN TEESVA 1C 105M8R	T	84.1/21.8
C145	4510007400	S.ELE EEFCO 1C 8R2R	T	11.6/2.8
J1	6510022710	S.CNR 30FLZ-SM1-TB	T	100.6/5.5
J2	6510022710	S.CNR 30FLZ-SM1-TB	T	78.8/5.5
J4	6510019271	S.CNR 52365-0671	T	08.4/40.2
J5	6510021431	S.CNR S8B-ZR-SM4A-TF (LF) (SN)	T	95.6/75.4
J6	6510023861	S.CNR S9B-ZR-SM4A-TF (LF) (SN)	B	95/5.7
W1	8900013161	CBL OPC-1313A		

[LOGIC-T UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
IC1	1110005290	S.IC NJM2115V-TE1	B	28.3/49.1
IC2	1110005290	S.IC NJM2115V-TE1	B	28.1/61.1
IC3	1130007301	S.IC TC4W66FU (TE12L,F)	B	103.5/20
IC4	1110005290	S.IC NJM2115V-TE1	B	28.1/71.3
IC5	1180002391	S.REG S-812C33AMC-C2N-G	T	49.9/4.1
IC6	1180001071	S.IC TA7805F (TE16L,Q)	T	27.5/9.8
IC7	1110005440	S.IC NJM2374AM-TE1	T	4.7/13.3
IC9	1130010630	S.IC SN74AHC541PWR	T	96.4/30.8
IC11	1180002391	S.REG S-812C33AMC-C2N-G	T	18.9/18
IC12	1190001340	S.IC M62334FP 600C	T	49.2/57
IC15	1110002861	S.IC TA75S393F (TE85R,F)	B	68.5/40.1
IC16	1130007111	S.IC TC7W04FU (TE12L,F)	B	8.8/8.29
IC17	1140008650	S.IC HN58X2464TI	T	10.3/31.6
IC18	1130008361	S.IC TC7SHU04FU (TE85L,JF)	T	7.2/45.6
IC19	1130008361	S.IC TC7SHU04FU (TE85L,JF)	B	10.4/47.3
IC20	1190001340	S.IC M62334FP 600C	T	49.2/44.1
IC21	1120002870	S.IC XCS20XL-4TQ144I	T	27.3/51.6
IC22	1130007281	S.IC TC7S32FU (TE85R,F)	B	68.9/41.2
IC23	1110005731	S.IC S-80928CNMC-G8Y-G	B	90/51.6
IC24	1130008361	S.IC TC7SHU04FU (TE85L,JF)	T	7/58.4
IC25	1130008361	S.IC TC7SHU04FU (TE85L,JF)	B	8.2/60.2
IC26	1140010091	S.IC PD70F3102AGJ-33-8EU-A	T	73.5/48.6
IC27	1130007281	S.IC TC7S32FU (TE85R,F)	B	54.1/27.3
IC28	1130012051	S.IC FT232BL	T	53.8/24.3
IC29	1130009570	S.IC BR93LC46F-WE2	T	66.8/2.4
IC33	1120002960	S.IC TC74AC541FT (EL)	T	76.8/73
Q1	1590000430	S.TFR DTC144EUA T106	T	39.1/16.4
Q2	1520000201	S.TFR 2SB798-T2-AZ DK	T	34.5/20.2
Q3	1590000430	S.TFR DTC144EUA T106	B	104.2/23.1
Q6	1590003500	S.TFR DTC114EY TL	B	46.1/15.2
Q8	1530002280	S.TFR 2SC4081 T106 S	T	46.3/7.5

M.=Mounted side (T: Mounted on the Top side, B: Mounted on the Bottom side) S.=Surface mount

[LOGIC-T UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
Q9	1520000201	S.TR 2SB798-T2-AZ DK	B	71.3/14.5
Q11	1590000430	S.TR DTC144EUA T106	B	111.2/35.7
Q12	1590000440	S.TR DTA143ZUA T106	B	93.7/38.5
Q13	1590003500	S.TR DTC114YE TL	B	107.4/35.4
Q14	1590000430	S.TR DTC144EUA T106	B	58.9/22.6
D2	1790000671	S.DIO SB07-03C-TB-E	T	10.9/6.7
D3	1750000550	S.DIO 1SS355 TE-17	T	43.4/10.5
D4	1790000671	S.DIO SB07-03C-TB-E	T	16.5/21.6
D5	1790000671	S.DIO SB07-03C-TB-E	T	42.1/14.5
D6	1750000550	S.DIO 1SS355 TE-17	B	112.4/42.4
D7	1730002280	S.ZEN MA8091-M (TX)	B	110.1/47
D8	1730002280	S.ZEN MA8091-M (TX)	T	110.8/36.1
D9	1750000841	S.VCP 1SV324 (TPH3,F)	T	10/43.1
D11	1750000550	S.DIO 1SS355 TE-17	B	101.8/40.5
D12	1750000550	S.DIO 1SS355 TE-17	B	97.9/42.4
D13	1750000550	S.DIO 1SS355 TE-17	B	97.9/40.6
D15	1750000841	S.VCP 1SV324 (TPH3,F)	T	10.1/60.6
D16	1790001240	S.DIO MA2S728-(TX)	T	59.1/44.3
D17	1790001240	S.DIO MA2S728-(TX)	T	59/46.7
X1	6050011240	S.XTL CR-708 (16.384 MHz)	T	3.7/45.9
X2	6050011290	S.XTL CR-715 (6 MHz)	T	80.9/30.8
X3	6050011700	S.XTL CR-760 (9.8304 MHz)	T	3.9/58.1
X4	6050011290	S.XTL CR-715 (6 MHz)	T	43.2/25.2
L1	6200003590	S.COL EXCCL3225U1	B	92.1/13
L2	6200003590	S.COL EXCCL3225U1	B	105.7/10.3
L3	6200003590	S.COL EXCCL3225U1	T	4.1/22.6
L4	6190001561	S.COL CDRH5D18NP-101NC	T	10.7/18.5
L5	6190001561	S.COL CDRH5D18NP-101NC	T	10.7/11.5
L7	6200005741	S.COL ELJRE 47NGFA	B	3.7/30.5
L8	6200005741	S.COL ELJRE 47NGFA	B	69.7/34.9
L9	6200005741	S.COL ELJRE 47NGFA	B	105.3/44
L10	6200005741	S.COL ELJRE 47NGFA	B	69.7/36.9
L11	6200005741	S.COL ELJRE 47NGFA	B	56.4/37.5
L12	6200006991	S.COL ELJRE 56NGFA	B	52.6/23.2
L15	6200002041	S.COL NLV25T-101J	T	61.4/24.8
L16	6200005741	S.COL ELJRE 47NGFA	T	61.7/22.9
R1	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	B	91.3/16.2
R3	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	96.8/13.7
R4	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	98.3/13.7
R5	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	99.8/13.7
R6	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	101.3/13.7
R7	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	102.8/13.7
R8	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	104.3/13.7
R9	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	105.8/13.7
R10	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	107.3/13.7
R11	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	108.8/13.7
R12	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	110.3/13.7
R18	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	B	86.4/12.3
R19	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	B	85/12.3
R20	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	87.9/17.5
R21	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	86.2/17.5
R22	7030003590	S.RES ERJ3GEYJ 183 V (18 k)	T	87.9/21
R23	7030003590	S.RES ERJ3GEYJ 183 V (18 k)	T	86.2/21
R24	7030003480	S.RES ERJ3GEYJ 222 V (2.2 k)	B	32.9/58.4
R25	7030003600	S.RES ERJ3GEYJ 223 V (22 k)	B	34.3/55.1
R26	7030003480	S.RES ERJ3GEYJ 222 V (2.2 k)	B	23.4/58.4
R27	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	25.9/54.2
R28	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	25.9/66
R29	7030000420	S.RES MCR10EZJH 2.2 k	T	36.6/13.8
R30	7030000420	S.RES MCR10EZJH 2.2 k	T	36.6/11.9
R31	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	34.5/16.3
R32	7030000180	S.RES MCR10EZJH 22 (220)	T	33.2/13.8
R33	7030000180	S.RES MCR10EZJH 22 (220)	T	33.2/11.9
R34	7030003480	S.RES ERJ3GEYJ 222 V (2.2 k)	B	93.3/19.5
R35	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	99.2/21.8
R36	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	103.1/23.4
R37	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	B	103.7/28.4
R38	7030003470	S.RES ERJ3GEYJ 182 V (1.8 k)	B	108/17.2
R40	7030003470	S.RES ERJ3GEYJ 182 V (1.8 k)	T	83.4/15.9
R41	7030003590	S.RES ERJ3GEYJ 183 V (18 k)	B	86.5/14.5
R42	7030003480	S.RES ERJ3GEYJ 222 V (2.2 k)	B	32.9/61.3
R43	7030003480	S.RES ERJ3GEYJ 222 V (2.2 k)	B	37.3/58.4
R44	7030003480	S.RES ERJ3GEYJ 222 V (2.2 k)	B	35.8/58.4
R45	7030003480	S.RES ERJ3GEYJ 222 V (2.2 k)	B	20.5/58.4
R46	7030003480	S.RES ERJ3GEYJ 222 V (2.2 k)	B	23.4/61.3
R47	7030003480	S.RES ERJ3GEYJ 222 V (2.2 k)	B	19.1/58.4
R48	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	26/76.3
R49	7030003600	S.RES ERJ3GEYJ 223 V (22 k)	B	22.6/55
R50	7030003860	S.RES ERJ3GE JPW V	T	25.3/74.9
R51	7030003600	S.RES ERJ3GEYJ 223 V (22 k)	T	5.2/19.7
R52	7030003500	S.RES ERJ3GEYJ 332 V (3.3 k)	T	4/19.7
R53	7030000020	S.RES MCR10EZJH 1 (010)	B	3.8/16.4
R54	7030003530	S.RES ERJ3GEYJ 562 V (5.6 k)	B	32.9/66

[LOGIC-T UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
R55	7030003530	S.RES ERJ3GEYJ 562 V (5.6 k)	B	34.3/68.8
R56	7030003520	S.RES ERJ3GEYJ 472 V (4.7 k)	B	34.3/71.5
R57	7030003530	S.RES ERJ3GEYJ 562 V (5.6 k)	B	23.4/66
R58	7030003530	S.RES ERJ3GEYJ 562 V (5.6 k)	B	21.9/68.8
R59	7030003520	S.RES ERJ3GEYJ 472 V (4.7 k)	B	21.9/71.6
R60	7030003530	S.RES ERJ3GEYJ 562 V (5.6 k)	T	6.6/19
R61	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	B	48.5/13.5
R62	7030003470	S.RES ERJ3GEYJ 182 V (1.8 k)	B	44.8/12.5
R64	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	29.8/35
R65	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	31.2/35
R74	7030005321	S.RES ERA3YED 103V (10 k)	T	28.5/72.7
R75	7030005321	S.RES ERA3YED 103V (10 k)	T	29.5/71.4
R76	7030005321	S.RES ERA3YED 103V (10 k)	T	31.2/72.7
R77	7030005321	S.RES ERA3YED 103V (10 k)	T	32.2/71.4
R78	7030005661	S.RES ERA3YED 203V (20 k)	T	27.8/69.3
R79	7030005321	S.RES ERA3YED 103V (10 k)	T	13.8/72.7
R80	7030005661	S.RES ERA3YED 203V (20 k)	T	29.1/69.3
R81	7030005321	S.RES ERA3YED 103V (10 k)	T	15.3/71.4
R82	7030005661	S.RES ERA3YED 203V (20 k)	T	30.4/69.3
R83	7030005321	S.RES ERA3YED 103V (10 k)	T	16.5/72.7
R84	7030005661	S.RES ERA3YED 203V (20 k)	T	31.7/69.3
R85	7030005321	S.RES ERA3YED 103V (10 k)	T	18/71.4
R86	7030005661	S.RES ERA3YED 203V (20 k)	T	13.5/69.3
R87	7030005661	S.RES ERA3YED 203V (20 k)	T	14.8/69.3
R88	7030005661	S.RES ERA3YED 203V (20 k)	T	17.1/69.3
R89	7030005661	S.RES ERA3YED 203V (20 k)	T	16.4/69.3
R90	7030003520	S.RES ERJ3GEYJ 472 V (4.7 k)	T	45.2/10.7
R91	7030003620	S.RES ERJ3GEYJ 333 V (33 k)	B	109.8/44.4
R92	7030003860	S.RES ERJ3GE JPW V	T	47.7/61
R93	7030003860	S.RES ERJ3GE JPW V	T	48.9/61
R95	7030005321	S.RES ERA3YED 103V (10 k)	T	33.9/72.7
R96	7030005321	S.RES ERA3YED 103V (10 k)	T	34.9/71.4
R97	7030005321	S.RES ERA3YED 103V (10 k)	T	36.6/72.7
R98	7030005321	S.RES ERA3YED 103V (10 k)	T	37.6/71.4
R99	7030005321	S.RES ERA3YED 103V (10 k)	T	39.3/72.7
R100	7030005661	S.RES ERA3YED 203V (20 k)	T	33/69.3
R101	7030005321	S.RES ERA3YED 103V (10 k)	T	19.2/72.7
R102	7030005661	S.RES ERA3YED 203V (20 k)	T	34.3/69.3
R103	7030005321	S.RES ERA3YED 103V (10 k)	T	20.7/71.4
R104	7030005661	S.RES ERA3YED 203V (20 k)	T	35.6/69.3
R105	7030005321	S.RES ERA3YED 103V (10 k)	T	21.9/72.7
R106	7030005661	S.RES ERA3YED 203V (20 k)	T	36.9/69.3
R107	7030005321	S.RES ERA3YED 103V (10 k)	T	23.4/71.4
R108	7030005661	S.RES ERA3YED 203V (20 k)	T	38.2/69.3
R109	7030005321	S.RES ERA3YED 103V (10 k)	T	24.6/72.7
R110	7030005661	S.RES ERA3YED 203V (20 k)	T	18.7/69.3
R111	7030005661	S.RES ERA3YED 203V (20 k)	T	20/69.3
R112	7030005661	S.RES ERA3YED 203V (20 k)	T	21.3/69.3
R113	7030005661	S.RES ERA3YED 203V (20 k)	T	22.6/69.3
R114	7030005661	S.RES ERA3YED 203V (20 k)	T	23.9/69.3
R115	7030003620	S.RES ERJ3GEYJ 333 V (33 k)	B	104.6/37.6
R116	7030003620	S.RES ERJ3GEYJ 333 V (33 k)	B	104.6/39
R117	7030003500	S.RES ERJ3GEYJ 332 V (3.3 k)	B	108.2/37.4
R118	7030005321	S.RES ERA3YED 103V (10 k)	T	40.3/71.4
R119	7030005661	S.RES ERA3YED 203V (20 k)	T	41.3/73.5
R120	7030005661	S.RES ERA3YED 203V (20 k)	T	39.5/69.3
R121	7030005321	S.RES ERA3YED 103V (10 k)	T	26.1/71.4
R122	7030005661	S.RES ERA3YED 203V (20 k)	T	40.8/69.3
R123	7030005661	S.RES ERA3YED 203V (20 k)	T	26.6/73.4
R124	7030005661	S.RES ERA3YED 203V (20 k)	T	25.2/69.3
R125	7030005661	S.RES ERA3YED 203V (20 k)	T	26.5/69.3
R126	7030003600	S.RES ERJ3GEYJ 223 V (22 k)	B	105.3/32.9
R127	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	B	92.9/36.3
R128	7030003490	S.RES ERJ3GEYJ 272 V (27 k)	B	104.6/35
R129	7030003620	S.RES ERJ3GEYJ 333 V (33 k)	B	106.1/46.3
R130	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	7.2/50.1
R131	7030003800	S.RES ERJ3GEYJ 105 V (1 M)	T	7.2/48.7
R132	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	10.5/50.8
R134	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	B	66.3/41.2
R135	7030003570	S.RES ERJ3GEYJ 123 V (12 k)	B	102.4/38.1
R136	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	B	100.9/38.1
R137	7030003570	S.RES ERJ3GEYJ 123 V (12 k)	T	7.4/27.9
R138	7030003570	S.RES ERJ3GEYJ 123 V (12 k)	T	10/26.1
R139	7030003520	S.RES ERJ3GEYJ 472 V (4.7 k)	B	89.1/48.9
R140	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	T	9.1/49.4
R141	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	T	9.1/45.4
R142	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	13.6/44.3
R143	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	12.9/40.4
R145	7030003620	S.RES ERJ3GEYJ 333 V (33 k)	B	66.2/35.5
R146	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	B	66.2/34
R148	7030003860	S.RES ERJ3GE JPW V	T	68.5/30.1
R149	7030003340	S.RES ERJ3GEYJ 151 V (150)	B	72.8/36.9
R150	7030003360	S.RES ERJ3GEYJ 221 V (220)	B	91/48.2
R151	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	T	9.1/54.2
R152	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	T	9.1/58.2
R153	7030003520	S.RES ERJ3GEYJ 472 V (4.7 k)	T	40.5/51.2
R154	7030003860	S.RES ERJ3GE JPW V	T	57/40.9
R155	7030003800	S.RES ERJ3GEYJ 105 V (1 M)	T	7.1/60.5
R156	7030003400	S.RES ERJ3GEYJ 471 V (470)	T	7.1/61.7
R157	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	9.7/62.9
R158	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	T	40.8/59.3

M.=Mounted side (T: Mounted on the Top side, B: Mounted on the Bottom side)
S.=Surface mount

[LOGIC-T UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
R159	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	B	58.8/47.1
R160	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	B	59.3/50.1
R161	7030003510	S.RES ERJ3GEYJ 392 V (3.9 k)	B	90/43.8
R162	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	7.5/56
R163	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	9.8/62.5
R164	7030003860	S.RES ERJ3GE JPW V	T	43.8/67.1
R165	7030003520	S.RES ERJ3GEYJ 472 V (4.7 k)	T	39.3/62.6
R166	7030003860	S.RES ERJ3GE JPW V	B	28.4/76.5
R167	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	B	58.8/57.3
R168	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	54.5/57.8
R169	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	54.5/56.4
R170	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	54.3/45.7
R171	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	54.3/43.5
R172	7030003340	S.RES ERJ3GEYJ 151 V (150)	B	56.5/25.9
R173	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	B	54/25.3
R174	7030003580	S.RES ERJ3GEYJ 153 V (15 k)	B	51.1/25.8
R175	7030003550	S.RES ERJ3GEYJ 822 V (8.2 k)	B	51.1/27.3
R176	7030003460	S.RES ERJ3GEYJ 152 V (1.5 k)	T	53.3/18
R177	7030003400	S.RES ERJ3GEYJ 471 V (470)	B	55.9/23.2
R178	7030003860	S.RES ERJ3GE JPW V	B	50.3/20.4
R179	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	B	65.9/23.5
R180	7030003480	S.RES ERJ3GEYJ 222 V (2.2 k)	B	68.5/24.3
R183	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	B	55.8/31.5
R184	7030003460	S.RES ERJ3GEYJ 152 V (1.5 k)	T	56.9/16.6
R185	7030003200	S.RES ERJ3GEYJ 100 V (10)	T	58.8/19
R186	7030003200	S.RES ERJ3GEYJ 100 V (10)	T	56.9/18.4
R188	7030003500	S.RES ERJ3GEYJ 332 V (3.3 k)	T	85.2/76.3
R189	7030003500	S.RES ERJ3GEYJ 332 V (3.3 k)	T	85.2/73.1
R192	7030003860	S.RES ERJ3GE JPW V	T	65.8/30.1
R193	7030003860	S.RES ERJ3GE JPW V	T	68.5/34.3
R194	7030003520	S.RES ERJ3GEYJ 472 V (4.7 k)	T	03.1/24.7
R195	7030003520	S.RES ERJ3GEYJ 472 V (4.7 k)	B	50.9/32.2
R196	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	B	52.4/31.5
R197	7030003520	S.RES ERJ3GEYJ 472 V (4.7 k)	T	99.2/20.3
C1	4030006860	S.CER C1608 JB 1H 102K-T	B	90.6/18.3
C2	4030006900	S.CER C1608 JB 1H 103K-T	B	01.5/23.2
C3	4030006860	S.CER C1608 JB 1H 102K-T	B	98.6/18.4
C4	4030011600	S.CER C1608 JB 1E 104K-T	B	98.6/20.2
C5	4030011600	S.CER C1608 JB 1E 104K-T	B	94.4/15.3
C7	4030007090	S.CER C1608 CH 1H 470J-T	T	10.3/17.5
C8	4030010760	S.CER C1608 CH 1H 331J-T	B	30/55.7
C9	4550005980	S.TAN TEESVA 1A 475M8R	B	34.3/50.1
C10	4030010760	S.CER C1608 CH 1H 331J-T	B	26.9/55.7
C11	4550006250	S.TAN TEESVA 1A 106M8R	B	26.8/52.3
C12	4550006250	S.TAN TEESVA 1A 106M8R	B	26.8/64.2
C13	4030006900	S.CER C1608 JB 1H 103K-T	B	93.3/20.7
C14	4030006900	S.CER C1608 JB 1H 103K-T	T	02.5/20.6
C15	4030006860	S.CER C1608 JB 1H 102K-T	B	06.6/12.5
C16	4030007130	S.CER C1608 CH 1H 101J-T	B	06.6/13.8
C18	4030007090	S.CER C1608 CH 1H 470J-T	T	08.8/17.5
C19	4030007090	S.CER C1608 CH 1H 470J-T	T	07.3/17.5
C20	4030007090	S.CER C1608 CH 1H 470J-T	T	05.8/17.5
C21	4030007090	S.CER C1608 CH 1H 470J-T	T	04.3/17.5
C22	4030006850	S.CER C1608 JB 1H 471K-T	T	02.8/17.5
C23	4030007090	S.CER C1608 CH 1H 470J-T	T	01.3/17.5
C24	4030007090	S.CER C1608 CH 1H 470J-T	T	98.3/17.5
C25	4030007090	S.CER C1608 CH 1H 470J-T	T	96.8/17.5
C31	4030007170	S.CER C1608 CH 1H 221J-T	B	30/57.7
C32	4030007170	S.CER C1608 CH 1H 221J-T	B	34.3/58.4
C33	4030007170	S.CER C1608 CH 1H 221J-T	B	31.2/57.7
C34	4030007170	S.CER C1608 CH 1H 221J-T	B	34.3/61.3
C35	4030007170	S.CER C1608 CH 1H 221J-T	B	24.9/57.7
C36	4030007170	S.CER C1608 CH 1H 221J-T	B	26.1/57.7
C37	4550005980	S.TAN TEESVA 1A 475M8R	B	22.6/50.1
C38	4030007170	S.CER C1608 CH 1H 221J-T	B	21.9/58.4
C39	4030007170	S.CER C1608 CH 1H 221J-T	B	21.9/61.3
C40	4550006250	S.TAN TEESVA 1A 106M8R	B	26.8/74.4
C41	4510008490	S.ELE EEE1CS100SR	B	42.8/28.6
C42	4030011600	S.CER C1608 JB 1E 104K-T	T	45.5/3.8
C43	4510008520	S.ELE EEE1CA470SP	B	43.2/22.9
C44	4030011600	S.CER C1608 JB 1E 104K-T	T	29.7/17.7
C45	4510008850	S.ELE EEE1CA101P	B	11.8/11.3
C47	4030011600	S.CER C1608 JB 1E 104K-T	T	95.4/35.7
C50	4030009490	S.CER C1608 JB 1H 821K-T	B	34.3/66
C51	4030007140	S.CER C1608 CH 1H 121J-T	B	30.1/67.2
C52	4030009490	S.CER C1608 JB 1H 821K-T	B	21.9/66
C53	4030010040	S.CER C1608 JB 1H 561K-T	B	30.1/68.5
C54	4030007140	S.CER C1608 CH 1H 121J-T	B	26.7/67.2
C55	4030010040	S.CER C1608 JB 1H 561K-T	B	26.7/68.5
C56	4030011600	S.CER C1608 JB 1E 104K-T	T	49.7/7
C57	4550006250	S.TAN TEESVA 1A 106M8R	T	48.6/10.7
C58	4510007130	S.ELE EEFCO 0J 470R	T	16.9/10.6
C59	4030011600	S.CER C1608 JB 1E 104K-T	T	27.1/17.2
C60	4510008520	S.ELE EEE1CA470SP	B	23/10.9
C61	4030006850	S.CER C1608 JB 1H 471K-T	T	27.1/18.6
C62	4030011600	S.CER C1608 JB 1E 104K-T	T	23.5/13.8
C63	4030006850	S.CER C1608 JB 1H 471K-T	T	6.1/7.7
C64	4550006250	S.TAN TEESVA 1A 106M8R	T	28/20.3
C65	4030011600	S.CER C1608 JB 1E 104K-T	T	27.2/22

[LOGIC-T UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
C74	4550006050	S.TAN TEESVA 0J 106M8R	T	45.7/16.2
C75	4030011600	S.CER C1608 JB 1E 104K-T	T	21.5/19.7
C76	4550006730	S.TAN TEESVB2 0J 226M8R	T	15.6/26.6
C77	4550006250	S.TAN TEESVA 1A 106M8R	T	24.4/19.9
C78	4550006050	S.TAN TEESVA 0J 106M8R	B	72.2/32.2
C79	4030007090	S.CER C1608 CH 1H 470J-T	T	44.6/55.6
C84	4030007090	S.CER C1608 CH 1H 470J-T	B	09.8/45.3
C85	4030006860	S.CER C1608 JB 1H 102K-T	T	113/36.3
C86	4030006900	S.CER C1608 JB 1H 103K-T	B	56.3/49.3
C87	4030006850	S.CER C1608 JB 1H 471K-T	B	63.8/29.9
C88	4030007050	S.CER C1608 CH 1H 220J-T	T	7.2/51.4
C89	4030009520	S.CER C1608 CH 1H 020B-T	T	6.4/41.9
C90	4030007040	S.CER C1608 CH 1H 180J-T	T	10.5/45.4
C91	4030011600	S.CER C1608 JB 1E 104K-T	B	64.5/27.8
C92	4030011600	S.CER C1608 JB 1E 104K-T	B	3.7/29.3
C93	4030006900	S.CER C1608 JB 1H 103K-T	B	72.8/35.3
C94	4030006900	S.CER C1608 JB 1H 103K-T	T	9.8/47.4
C95	4030006900	S.CER C1608 JB 1H 103K-T	T	50.8/48.9
C96	4030011600	S.CER C1608 JB 1E 104K-T	B	10.5/44.3
C97	4030006900	S.CER C1608 JB 1H 103K-T	B	26.4/37.7
C98	4030006860	S.CER C1608 CH 1H 180J-T	B	70.6/43.1
C99	4030008560	S.CER C1608 CH 1H 300J-T	T	78.5/34.4
C100	4030008560	S.CER C1608 CH 1H 300J-T	T	79.2/35.6
C101	4030006900	S.CER C1608 JB 1H 103K-T	B	90.2/54
C102	4030006900	S.CER C1608 JB 1H 103K-T	T	9.9/56.3
C103	4030007080	S.CER C1608 CH 1H 390J-T	T	10.6/58.2
C105	4030011600	S.CER C1608 JB 1E 104K-T	B	39.8/41.3
C106	4550006780	S.TAN TEESVB2 0J 476M8R	B	41/38.8
C107	4030011600	S.CER C1608 JB 1E 104K-T	T	59.6/40.9
C108	4030007090	S.CER C1608 CH 1H 470J-T	B	55.5/42.3
C109	4030007040	S.CER C1608 CH 1H 180J-T	T	5.6/62.9
C110	4030006900	S.CER C1608 JB 1H 103K-T	B	8.2/58
C111	4030011600	S.CER C1608 JB 1E 104K-T	B	16.5/59.7
C112	4030011600	S.CER C1608 JB 1E 104K-T	T	43/65.1
C113	4030006900	S.CER C1608 JB 1H 103K-T	T	45/62.4
C114	4030007090	S.CER C1608 CH 1H 470J-T	T	90/51.1
C116	4030007090	S.CER C1608 CH 1H 470J-T	T	88.7/54.1
C117	4030011600	S.CER C1608 JB 1E 104K-T	B	45/63.6
C118	4030011600	S.CER C1608 JB 1E 104K-T	B	92.8/68
C119	4030007090	S.CER C1608 CH 1H 470J-T	B	59.1/29.4
C120	4030008560	S.CER C1608 CH 1H 300J-T	T	46.5/24.9
C121	4030008560	S.CER C1608 CH 1H 300J-T	T	47.8/24.1
C122	4030007090	S.CER C1608 CH 1H 470J-T	B	63.5/65.3
C123	4030007090	S.CER C1608 CH 1H 470J-T	B	86.6/55.3
C124	4030011600	S.CER C1608 JB 1E 104K-T	B	92.8/63.5
C125	4030007090	S.CER C1608 CH 1H 470J-T	B	50.4/23.8
C126	4030011600	S.CER C1608 JB 1E 104K-T	B	55.2/21.2
C127	4030011600	S.CER C1608 JB 1E 104K-T	B	65.8/25.5
C131	4030006900	S.CER C1608 JB 1H 103K-T	B	53.9/31.5
C132	4550006250	S.TAN TEESVA 1A 106M8R	B	59.6/33.9
C133	4030008900	S.CER C1608 JB 1H 333K-T	T	54.3/16.7
C137	4030007130	S.CER C1608 CH 1H 101J-T	T	61.7/21.3
C138	4030007050	S.CER C1608 CH 1H 220J-T	B	99.5/12.2
C139	4030007050	S.CER C1608 CH 1H 220J-T	B	98/12.2
C140	4030006860	S.CER C1608 JB 1H 102K-T	B	56.8/34.5
C141	4550000460	S.TAN TEESVA 1C 105M8R	B	94.1/22.4
C142	4550000460	S.TAN TEESVA 1C 105M8R	B	102.8/17
C143	4550000460	S.TAN TEESVA 1C 105M8R	B	81.4/13
C144	4550000460	S.TAN TEESVA 1C 105M8R	B	84.1/21.8
C145	4550000460	S.TAN TEESVA 1C 105M8R	T	90.2/21.8
C146	4510007400	S.ELE EEFCO 1C 8R2R	T	12.8/2.7
C147	4030006900	S.CER C1608 JB 1H 103K-T	T	85.1/71.6
J1	6510022710	S.CNR 30FLZ-SM1-TB	T	100.6/5.5
J2	6510022710	S.CNR 30FLZ-SM1-TB	T	78.8/5.5
J4	6510019271	S.CNR 52365-0671	T	08.4/40.2
J5	6510021431	S.CNR S8B-ZR-SM4A-TF (LF) (SN)	T	95.6/75.4
J6	6510023861	S.CNR S9B-ZR-SM4A-TF (LF) (SN)	B	95/5.7
W1	8900013180	CBL OPC-1312		

[MAIN-R UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
IC2	1180001071	S.IC TA7805F (TE16L,Q)	T	67.5/110.2
IC3	1180001071	S.IC TA7805F (TE16L,Q)	T	80.5/110.5
IC4	1180002020	S.REG BA033FP-E2	T	13/93.5
IC8	1110006670	S.IC NJM2730F-TE1-#ZZZB	T	31.3/62.2
IC9	1140005991	S.IC MB15A02PFV1-G-BND-ERE1	T	42.7/72
IC500	1110005290	S.IC NJM2115V-TE1-#ZZZB	T	78.7/23.5
IC501	1110003201	S.IC TA31136FNG (EL)	T	100.7/16
IC503	1190002051	S.IC SPM5001-TL-E	T	111.7/70.5
IC505	1110006670	S.IC NJM2730F-TE1-#ZZZB	T	78.5/14.2

M.=Mounted side (T: Mounted on the Top side, B: Mounted on the Bottom side)
S.=Surface mount

[MAIN-R UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
Q7	1530002691	S.TR 2SC4116-GR (TE85R,F)	T	50/65.5
Q9	1530003231	S.TR 2SC5085-Y (TE85R,F)	T	87.5/67.6
Q10	1560000491	S.FET 2SK508-T2B-A K52	T	67.6/66
Q11	1530003231	S.TR 2SC5085-Y (TE85R,F)	T	62/70.5
Q12	1530003231	S.TR 2SC5085-Y (TE85R,F)	T	70.2/73.5
Q13	1560000531	S.FET 2SK880-GR (TE85R,F)	T	10.2/31.8
Q500	1590000430	S.TR DTC144EUA T106	T	46.5/97.7
Q501	1590000430	S.TR DTC144EUA T106	T	31.2/97.5
Q502	1510000581	S.TR 2SA1362-GR (TE85R,F)	T	51.5/98
Q503	1510000581	S.TR 2SA1362-GR (TE85R,F)	T	35.7/97.5
Q505	1560000670	S.FET 2SK1771 (TE85L)	T	111/32.7
Q506	1530002680	S.TR 2SC3357-T1	B	115.3/92.3
D1	1790000700	DIO DSA3A1		
D3	1720000781	S.VCP HVU350BTRF-E	T	68.5/62.3
FI500	2020001330	CER CFWLA455KHFA-B0		
FI501	2030000201	S.MLH FL-349A (70.00 MHz)	T	110.7/46.7
FI503	2040001020	S.SAW EFCH445MWWNP1	B	117.5/83.8
FI504	2040001020	S.SAW EFCH445MWWNP1	B	117.5/103
X1	6050010930	S.XTL CR-662 (15.3 MHz)	T	16/36.5
X500	6070000150	S.DCR CDBC4455KCAAY24-R0	T	92.2/15.5
X501	6050011470	XTL CR-729 (69.545 MHz)		
L3	6200007120	S.COL ELJND 1R0J	T	58.6/63.1
L5	6200007120	S.COL ELJND 1R0J	T	65.4/70.1
L12	6200005691	S.COL ELJRE 18NGFA	T	84.8/65.6
L13	6200009700	S.COL C6328A-28NG-A	T	62.1/62.5
L14	6200005651	S.COL ELJRE 8N2ZFA	T	86.8/69.8
L16	6200005661	S.COL ELJRE 10NGFA	T	59.9/69.6
L17	6200005661	S.COL ELJRE 10NGFA	T	65.7/72.7
L18	6200005671	S.COL ELJRE 12NGFA	T	49.5/79
L19	6200005711	S.COL ELJRE 27NGFA	T	69.9/75.5
L20	6200005671	S.COL ELJRE 12NGFA	T	52.5/79
L21	6200005671	S.COL ELJRE 12NGFA	T	96.8/67.5
L22	6200005671	S.COL ELJRE 12NGFA	T	93.8/67.5
L500	6200010300	S.COL ELJND R68JF	B	109.8/24
L503	6200007820	S.COL ELJND R33J	T	111/30
L506	6200003630	S.COL MLF1608D R68K-T	T	110.2/54.4
L508	6200003540	S.COL MLF1608D R22K-T	T	110.2/57.3
L517	6200005701	S.COL ELJRE 22NGFA	B	119.7/92.5
L518	6200005681	S.COL ELJRE 15NGFA	B	116.3/96.9
L523	6200009480	S.COL C3328A-18NJ-A	B	119.1/111.1
L524	6200009480	S.COL C3328A-18NJ-A	B	119/117.5
L525	6200009380	S.COL C6328A-43NG-A	B	120.6/127.2
L526	6130003000	S.COL #617DB-1714=P3	T	106.3/70.4
L527	6130003000	S.COL #617DB-1714=P3	T	112.2/75.6
L528	6130003000	S.COL #617DB-1714=P3	T	112.2/65.2
L529	6200007700	S.COL LQW2BHN22NJ03L	B	113.9/107.9
L530	6200009351	S.COL ELJRE R22GFA	T	67.7/59.7
R1	7030003530	S.RES ERJ3GEYJ 562 V (5.6 k)	T	20.5/87.3
R2	7030003450	S.RES ERJ3GEYJ 122 V (1.2 k)	T	20.5/84.4
R3	7540000280	S.ASB ERZVF2M220	B	71.2/123.7
R4	7030003860	S.RES ERJ3GE JPW V	T	21/91.2
R28	7510001560	S.TMR NTCG16 4BH 102KT	T	115.2/30.2
R33	7030003500	S.RES ERJ3GEYJ 332 V (3.3 k)	T	48/65.5
R35	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	34.4/57.3
R37	7030003500	S.RES ERJ3GEYJ 332 V (3.3 k)	T	36.3/62.1
R38	7030003480	S.RES ERJ3GEYJ 222 V (2.2 k)	T	41.4/64.1
R39	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	48/71.7
R40	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	86.8/71.2
R41	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	42.5/76
R42	7030003290	S.RES ERJ3GEYJ 560 V (56)	T	47.2/77
R45	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	85.3/67.7
R46	7030003520	S.RES ERJ3GEYJ 472 V (4.7 k)	T	86.9/64.8
R47	7030003280	S.RES ERJ3GEYJ 470 V (47)	T	86.1/74.6
R48	7030003200	S.RES ERJ3GEYJ 100 V (10)	T	57.7/66.2
R49	7030003350	S.RES ERJ3GEYJ 181 V (180)	T	68.5/69.6
R50	7030003280	S.RES ERJ3GEYJ 470 V (47)	T	89.5/64.8
R51	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	35.7/76.2
R52	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	T	61.8/68.6
R53	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	35.7/73.7
R54	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	35.7/71.2
R55	7030003400	S.RES ERJ3GEYJ 471 V (470)	T	58.5/69.6
R56	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	35.7/70
R57	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	35.7/72.5
R58	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	35.7/75
R59	7030003570	S.RES ERJ3GEYJ 123 V (12 k)	T	67.8/73.4
R60	7030003600	S.RES ERJ3GEYJ 223 V (22 k)	T	68/71.5
R61	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	65.7/74.1
R62	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	72.2/70.7
R63	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	9.2/27.2
R64	7030003860	S.RES ERJ3GE JPW V	T	7/32.4
R65	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	14.7/31

[MAIN-R UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
R66	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	17.2/40.8
R501	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	76.1/19.6
R503	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	73.1/4.7
R504	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	74.8/11.8
R505	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	57.2/103.5
R506	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	44.2/97.5
R507	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	29.2/97.2
R508	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	75.7/27.9
R509	7030003700	S.RES ERJ3GEYJ 154 V (150 k)	T	78.3/18.6
R510	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	49/97.7
R511	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	33.2/97.2
R512	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	T	74.8/14.6
R513	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	35.7/77.5
R514	7030003650	S.RES ERJ3GEYJ 563 V (56 k)	T	81.1/18.6
R515	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	T	51.5/95.5
R516	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	T	35.7/95
R517	7030003570	S.RES ERJ3GEYJ 123 V (12 k)	T	78.2/16.6
R518	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	81.2/15.3
R519	7030003650	S.RES ERJ3GEYJ 563 V (56 k)	T	75.5/23.5
R525	7030003280	S.RES ERJ3GEYJ 470 V (47)	T	94.2/19.5
R526	7030003480	S.RES ERJ3GEYJ 222 V (2.2 k)	B	92.2/18.7
R527	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	B	103.7/23.7
R528	7030003730	S.RES ERJ3GEYJ 274 V (270 k)	B	96.2/17.2
R530	7030003450	S.RES ERJ3GEYJ 122 V (1.2 k)	T	97/15.6
R532	7030003200	S.RES ERJ3GEYJ 100 V (10)	T	114.5/32.2
R534	7030003200	S.RES ERJ3GEYJ 100 V (10)	T	107/33
R535	7030003520	S.RES ERJ3GEYJ 472 V (4.7 k)	T	108.5/33
R536	7030003550	S.RES ERJ3GEYJ 822 V (8.2 k)	T	107.7/35.2
R537	7030003420	S.RES ERJ3GEYJ 681 V (680)	T	111/28.2
R539	7030003330	S.RES ERJ3GEYJ 121 V (120)	T	113.7/30.2
R542	7030003860	S.RES ERJ3GE JPW V	B	36.6/109.2
R553	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	B	112.8/80.6
R554	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	B	112.8/87
R555	7030003260	S.RES ERJ3GEYJ 330 V (33)	B	119.5/89.2
R556	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	120.6/93.8
R557	7030003490	S.RES ERJ3GEYJ 272 V (2.7 k)	B	119.4/96.8
R558	7030003450	S.RES ERJ3GEYJ 122 V (1.2 k)	B	116.3/95.5
R559	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	B	112.8/99.8
R562	7510001670	S.TMR NTCG16 4BH 103KT	T	19.2/30.2
R568	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	40.2/62.1
R575	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	T	82.5/15.3
R576	7030004030	S.RES ERJ3GEYJ 5R6 V (5.6)	T	99.9/67.4
R577	7030003430	S.RES ERJ3GEYJ 821 V (820)	T	99.1/65.3
R578	7030003430	S.RES ERJ3GEYJ 821 V (820)	T	100.6/65.3
R579	7030003860	S.RES ERJ3GE JPW V	T	104.9/74.2
R581	7030003340	S.RES ERJ3GEYJ 151 V (150)	T	108.4/75
R582	7030003860	S.RES ERJ3GE JPW V	T	116.3/75.2
R583	7030003280	S.RES ERJ3GEYJ 470 V (47)	T	116.5/66.5
R584	7030003860	S.RES ERJ3GE JPW V	T	106.7/64.2
R585	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	78.7/11.7
R587	7030003290	S.RES ERJ3GEYJ 560 V (56)	B	75.4/73.5
R588	7030003860	S.RES ERJ3GE JPW V	B	106.5/15
R589	7030003860	S.RES ERJ3GE JPW V	T	110.3/38
R590	7030003860	S.RES ERJ3GE JPW V	T	109.6/40.3
R591	7030003380	S.RES ERJ3GEYJ 331 V (330)	T	111.9/39.4
R592	7030003860	S.RES ERJ3GE JPW V	T	103.2/67.4
R593	7030003860	S.RES ERJ3GE JPW V	T	103.4/74.2
R594	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	120.6/95
C1	4030007090	S.CER C1608 CH 1H 470J-T	B	44.7/106.2
C2	4030011600	S.CER C1608 JB 1E 104K-T	T	19.2/84.4
C3	4030007090	S.CER C1608 CH 1H 470J-T	B	43.2/106.2
C4	4030006900	S.CER C1608 JB 1H 103K-T	B	27.8/108.3
C5	4030007090	S.CER C1608 CH 1H 470J-T	B	41.2/106.2
C6	4510004601	ELE 16 ME 1000 HC+T0		
C7	4030008680	S.CER C1608 JB 1H 102K-T	B	54.4/124.3
C8	4030006850	S.CER C1608 JB 1H 471K-T	B	56.2/124.3
C9	4030007130	S.CER C1608 CH 1H 101J-T	B	58/124.3
C10	4510008520	S.ELE EEE1CA470SP	T	22.2/114.1
C11	4510008520	S.ELE EEE1CA470SP	T	78/99
C12	4510008520	S.ELE EEE1CA470SP	T	63.5/99
C13	4030008630	S.CER C1608 JF 1H 104Z-T	B	28.4/114.8
C14	4030008630	S.CER C1608 JF 1H 104Z-T	T	63/106.2
C15	4030011600	S.CER C1608 JB 1E 104K-T	T	76/106.5
C16	4030011600	S.CER C1608 JB 1E 104K-T	T	18.7/92
C17	4030007090	S.CER C1608 CH 1H 470J-T	B	20.7/112.2
C18	4030007090	S.CER C1608 CH 1H 470J-T	B	18.7/112.2
C19	4030007090	S.CER C1608 CH 1H 470J-T	B	15.7/112.2
C21	4030008630	S.CER C1608 JF 1H 104Z-T	B	38.6/114.8
C22	4030008630	S.CER C1608 JF 1H 104Z-T	T	72/106.2
C23	4030011600	S.CER C1608 JB 1E 104K-T	T	85.2/106.5
C24	4030011600	S.CER C1608 JB 1E 104K-T	T	18.7/95
C25	4030006900	S.CER C1608 JB 1H 103K-T	B	22/112.2
C26	4030007090	S.CER C1608 CH 1H 470J-T	B	20.5/106.2
C27	4510008590	S.ELE EEE1AA101SP	T	42.6/114.1
C28	4510008590	S.ELE EEE1AA101SP	T	70.7/99
C29	4510008590	S.ELE EEE1AA101SP	T	90.2/108.2
C30	4550006780	S.TAN TEESVB2 0J 476M8R	T	14.5/99
C31	4030007090	S.CER C1608 CH 1H 470J-T	B	18/106.2
C32	4030007090	S.CER C1608 CH 1H 470J-T	B	16.7/106.2

M.=Mounted side (T: Mounted on the Top side, B: Mounted on the Bottom side)
S.=Surface mount

[MAIN-R UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
C74	4550006350	S.TAN TEESVB2 1A 226M8R	T	45.7/60.7
C75	4550006350	S.TAN TEESVB2 1A 226M8R	T	49.2/60.7
C77	4030011600	S.CER C1608 JB 1E 104K-T	T	52.7/64.7
C78	4550006350	S.TAN TEESVB2 1A 226M8R	T	52.7/60.7
C79	4550000550	S.TAN TEESVA 1V 224M8R	T	37.4/65.5
C80	4550005980	S.TAN TEESVA 1A 475M8R	T	35.2/65.4
C81	4030006900	S.CER C1608 JB 1H 103K-T	T	50/72.5
C82	4030006900	S.CER C1608 JB 1H 103K-T	T	41.4/66.8
C83	4030011600	S.CER C1608 JB 1E 104K-T	T	42.5/77.5
C84	4030006860	S.CER C1608 JB 1H 102K-T	T	57.2/69.6
C85	4030006900	S.CER C1608 JB 1H 103K-T	T	50/71
C86	4030009920	S.CER C1608 CH 1H 050B-T	T	82.6/64.9
C87	4030009910	S.CER C1608 CH 1H 040B-T	T	65.6/62.3
C88	4610001590	S.TRI TZC3R100A110R00	T	72/63.2
C89	4030009520	S.CER C1608 CH 1H 020B-T	T	65.6/61
C90	4030006860	S.CER C1608 JB 1H 102K-T	T	45.7/77
C91	4030006860	S.CER C1608 JB 1H 102K-T	T	82.7/69.6
C92	4030006860	S.CER C1608 JB 1H 102K-T	T	45.7/67.7
C93	4030006860	S.CER C1608 JB 1H 102K-T	T	87.6/74.6
C95	4030009540	S.CER C1608 CH 1H 1R5B-T	T	66.2/63.6
C96	4030006960	S.CER C1608 CH 1H 050C-T	T	65/65.7
C97	4030006960	S.CER C1608 CH 1H 050C-T	T	67.6/68.4
C98	4030009570	S.CER C1608 CH 1H 0R3B-T	T	64.7/68.4
C99	4030007130	S.CER C1608 CH 1H 101J-T	T	59/60
C100	4030006860	S.CER C1608 JB 1H 102K-T	T	86.8/72.5
C101	4030006860	S.CER C1608 JB 1H 102K-T	T	90.9/68.9
C102	4030006860	S.CER C1608 JB 1H 102K-T	T	58.4/71.7
C103	4030006860	S.CER C1608 JB 1H 102K-T	T	61.8/67.3
C104	4030009530	S.CER C1608 CH 1H 030B-T	T	61.4/72.8
C106	4030006860	S.CER C1608 JB 1H 102K-T	T	63.5/75
C107	4030006970	S.CER C1608 CH 1H 060D-T	T	48.7/77
C108	4030006930	S.CER C1608 CH 1H 020C-T	T	49.5/80.2
C109	4030006860	S.CER C1608 JB 1H 102K-T	T	70.7/70.7
C110	4030007020	S.CER C1608 CH 1H 120J-T	T	51.7/77
C111	4030009520	S.CER C1608 CH 1H 020B-T	T	52.5/80.2
C112	4030007090	S.CER C1608 CH 1H 470J-T	T	72.2/74.7
C113	4030006860	S.CER C1608 JB 1H 102K-T	T	67/75.5
C114	4030006970	S.CER C1608 CH 1H 060D-T	T	53.2/77
C115	4030006860	S.CER C1608 JB 1H 102K-T	T	8.5/29.6
C117	4030006860	S.CER C1608 JB 1H 102K-T	T	10.7/27.2
C118	4030007010	S.CER C1608 CH 1H 100D-T	T	13/31
C119	4030006860	S.CER C1608 JB 1H 102K-T	T	20.2/35.2
C120	4030006860	S.CER C1608 JB 1H 102K-T	T	7.7/27.2
C121	4030006860	S.CER C1608 JB 1H 102K-T	T	17.2/42.4
C150	4030006860	S.CER C1608 JB 1H 102K-T	T	88.2/64.7
C151	4030009520	S.CER C1608 CH 1H 020B-T	T	93.8/68.9
C152	4030006930	S.CER C1608 CH 1H 020C-T	T	96.8/68.9
C153	4030006970	S.CER C1608 CH 1H 060D-T	T	93/65.2
C154	4030007020	S.CER C1608 CH 1H 120J-T	T	96.1/65.2
C155	4030006970	S.CER C1608 CH 1H 060D-T	T	97.6/65.3
C500	4030007090	S.CER C1608 CH 1H 470J-T	B	42.7/112
C501	4030007090	S.CER C1608 CH 1H 470J-T	B	40.7/112
C504	4030006900	S.CER C1608 JB 1H 103K-T	T	77.7/28.7
C505	4030011810	S.CER C1608 JB 1A 224K-T	T	83.8/18.6
C506	4510008520	S.ELE EEE1CA470SP	T	54/89.5
C507	4510008520	S.ELE EEE1CA470SP	T	42.1/92.3
C508	4030007170	S.CER C1608 CH 1H 221J-T	B	94.2/16.5
C509	4030007170	S.CER C1608 CH 1H 221J-T	B	94.2/18
C511	4030011600	S.CER C1608 JB 1E 104K-T	T	99/21.5
C512	4030007010	S.CER C1608 CH 1H 100D-T	B	108.1/23.8
C513	4030011600	S.CER C1608 JB 1E 104K-T	T	101/21.5
C515	4030006900	S.CER C1608 JB 1H 103K-T	B	106/23
C516	4550007520	S.TAN F931A106MAABMA	T	105.5/14.5
C518	4030006860	S.CER C1608 JB 1H 102K-T	B	95.2/9.7
C520	4030007120	S.CER C1608 CH 1H 820J-T	T	99/11
C521	4030008920	S.CER C1608 JB 1H 473K-T	B	101.7/12.7
C523	4030006860	S.CER C1608 JB 1H 102K-T	B	100.2/12.7
C524	4030006860	S.CER C1608 JB 1H 102K-T	B	111.7/14
C525	4030006860	S.CER C1608 JB 1H 102K-T	B	109.2/19.7
C526	4030007020	S.CER C1608 CH 1H 120J-T	B	104/19.7
C527	4030006860	S.CER C1608 JB 1H 102K-T	T	114.5/33.7
C528	4030006860	S.CER C1608 JB 1H 102K-T	T	105.7/33
C529	4030006860	S.CER C1608 JB 1H 102K-T	T	110.3/36.6
C530	4030006860	S.CER C1608 JB 1H 102K-T	T	107.7/30.7
C531	4030006900	S.CER C1608 JB 1H 103K-T	T	104.5/33
C533	4030007020	S.CER C1608 CH 1H 120J-T	T	106.2/47.5
C540	4030007050	S.CER C1608 CH 1H 220J-T	T	111.7/54.4
C541	4030006860	S.CER C1608 JB 1H 102K-T	T	111.7/57.3
C554	4030006950	S.CER C1608 CH 1H 040C-T	B	115.9/88.7
C555	4030006850	S.CER C1608 JB 1H 471K-T	B	119.4/98.1
C556	4030006850	S.CER C1608 JB 1H 471K-T	B	119.5/90.8
C557	4030006900	S.CER C1608 JB 1H 103K-T	B	121.5/98.1
C558	4030007010	S.CER C1608 CH 1H 100D-T	B	118.2/107.9
C559	4030006950	S.CER C1608 CH 1H 040C-T	B	113.5/96.9
C560	4030006960	S.CER C1608 CH 1H 050C-T	B	121.3/107.7
C566	4030006860	S.CER C1608 JB 1H 102K-T	B	116.3/98.2
C567	4030007010	S.CER C1608 CH 1H 100D-T	B	114.6/116.1
C568	4030006970	S.CER C1608 CH 1H 060D-T	B	119.5/121.1
C570	4550002890	S.TAN TEESVA 1A 225M8R	T	39.5/65.6
C575	4030011600	S.CER C1608 JB 1E 104K-T	T	76.1/14.6
C578	4030006860	S.CER C1608 JB 1H 102K-T	T	117.1/77.1

[MAIN-R UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
C579	4030006860	S.CER C1608 JB 1H 102K-T	T	115.5/77.1
C580	4030006900	S.CER C1608 JB 1H 103K-T	T	116.5/65.2
C581	4030006860	S.CER C1608 JB 1H 102K-T	T	116.6/62.8
C582	4030006860	S.CER C1608 JB 1H 102K-T	T	108.7/63.5
C583	4030006900	S.CER C1608 JB 1H 103K-T	T	108.5/78.1
C584	4030009540	S.CER C1608 CH 1H 1R5B-T	B	121.8/116.8
C585	4030009540	S.CER C1608 CH 1H 1R5B-T	B	118.5/114.5
C586	4030006960	S.CER C1608 CH 1H 050C-T	B	114.1/110
C587	4030006860	S.CER C1608 JB 1H 102K-T	T	116.7/68.9
C588	4030006900	S.CER C1608 JB 1H 103K-T	T	81.2/12.3
C590	4030006900	S.CER C1608 JB 1H 103K-T	T	32/59.6
C591	4030007000	S.CER C1608 CH 1H 090D-T	T	89.6/71.2
C592	4030006960	S.CER C1608 CH 1H 050C-T	T	111.7/14.6
C593	4030006900	S.CER C1608 JB 1H 103K-T	T	108.4/76.4
C594	4030006970	S.CER C1608 CH 1H 060D-T	T	118.5/75.6
C595	4030007130	S.CER C1608 CH 1H 101J-T	B	119.5/122.6
J1	6510021720	S.CNR 30FLT-SM1-TB	T	23/107.2
J2	6510021720	S.CNR 30FLT-SM1-TB	T	45/107.2
J3	6510018450	CNR TMP-S01X-B1		
W1	8900004880	CBL OPC-465		
EP2	6910013310	S.BEA MMZ1608D121B	T	52.7/66.2

[MAIN-T UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
IC2	1180001071	S.IC TA7805F (TE16L,Q)	T	77.7/113.2
IC3	1180001071	S.IC TA7805F (TE16L,Q)	T	77.7/106
IC4	1180002020	S.REG BA033FP-E2	T	15.7/95.5
IC5	1130006551	S.IC TC7S08FU (TE85R,F)	B	25.2/62
IC6	1110006670	S.IC NJM2730F-TE1-#ZZZB	B	43/23.7
IC7	1140005991	S.IC MB15A02PFV1-G-BND-ERE1	B	35.2/28.7
IC8	1110006670	S.IC NJM2730F-TE1-#ZZZB	B	43.5/46.5
IC9	1140005991	S.IC MB15A02PFV1-G-BND-ERE1	B	34.7/52.5
IC200	1110002751	S.IC TA75S01F (TE85R,F)	B	87.7/26.5
IC201	1110005410	S.IC RF2485 <1A>	T	68.2/25.2
IC202	1110004050	S.IC NJM3404AV-TE1-#FMZB	B	82.5/26.2
IC203	1110006610	S.IC PC8106TB-E3	T	66.7/42.2
IC205	1110002751	S.IC TA75S01F (TE85R,F)	T	105.5/78
Q1	1520000201	S.TR 2SB798-T2-AZ DK	T	8/126.5
Q2	1530002280	S.TR 2SC4081 T106 S	T	7.2/120.7
Q4	1530002691	S.TR 2SC4116-GR (TE85R,F)	T	30.7/16.2
Q5	1560000491	S.FET 2SK508-T2B-A K52	T	39.2/26.7
Q6	1530003231	S.TR 2SC5085-Y (TE85R,F)	T	53.7/28.8
Q7	1530003231	S.TR 2SC5085-Y (TE85R,F)	T	32.3/31.6
Q8	1530003231	S.TR 2SC5085-Y (TE85R,F)	T	40.7/34.7
Q9	1530002691	S.TR 2SC4116-GR (TE85R,F)	T	20.5/49.7
Q10	1530003231	S.TR 2SC5085-Y (TE85R,F)	T	52.1/48.3
Q12	1560000491	S.FET 2SK508-T2B-A K52	T	37.1/50.2
Q13	1530003231	S.TR 2SC5085-Y (TE85R,F)	T	32.3/55.6
Q14	1530003231	S.TR 2SC5085-Y (TE85R,F)	T	40.4/57.8
Q15	1560000531	S.FET 2SK880-GR (TE85R,F)	T	7.7/27.2
Q200	1590000430	S.TR DTC144EUA T106	T	61.2/14
Q201	1510000581	S.TR 2SA1362-GR (TE85R,F)	T	66/15.7
Q202	1590000430	S.TR DTC144EUA T106	T	40.2/92
Q203	1590000430	S.TR DTC144EUA T106	T	50.7/92
Q204	1510000581	S.TR 2SA1362-GR (TE85R,F)	T	45/93.5
Q205	1510000581	S.TR 2SA1362-GR (TE85R,F)	T	55.2/93.5
Q206	1530003231	S.TR 2SC5085-Y (TE85R,F)	T	65.5/33.6
Q207	1530003231	S.TR 2SC5085-Y (TE85R,F)	T	78.7/60
Q208	1530003431	S.TR 2SC5226-4-TL-E	T	91.2/61
Q209	1590000680	S.TR DTC114EUA T106	T	90.2/74.7
Q210	1510000581	S.TR 2SA1362-GR (TE85R,F)	T	92.7/79.5
Q211	1560001161	S.FET 2SK3475 (TE12L,F)	T	104.7/60
Q212	1590000680	S.TR DTC114EUA T106	T	109/72.5
D1	1790000700	DIO DSA3A1		
D2	1730002300	S.ZEN MA8082-M (TX)	T	4.2/125.5

M.=Mounted side (T: Mounted on the Top side, B: Mounted on the Bottom side)
S.=Surface mount

[MAIN-T UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
D3	1720000781	S.VCP HVU350BTRF-E	T	34.2/21
D5	1720000781	S.VCP HVU350BTRF-E	T	39.6/48.7
D200	1790000950	S.ZEN MA8056-M (TX)	T	97.7/64.2
D202	1790000950	S.ZEN MA8056-M (TX)	T	113.7/72.5
D204	1790000980	S.DIO MA742 (TX)	T	104.5/97.5
D205	1790000980	S.DIO MA742 (TX)	T	99.5/99.2
FI200	2040001020	S.SAW EFCH445MWNP1	T	68.2/61
L1	6200010730	S.COL C2520C-68NG-A	T	34/24.3
L3	6200007120	S.COL ELJND 1R0J	T	31/27.8
L4	6200005701	S.COL ELJRE 22NGFA	T	52.5/32.5
L5	6200007120	S.COL ELJND 1R0J	T	39.3/30.9
L7	6200005661	S.COL ELJRE 10NGFA	T	35.2/33.5
L8	6200005691	S.COL ELJRE 18NGFA	B	39.5/35
L10	6200006991	S.COL ELJRE 56NGFA	T	50.2/31.7
L11	6200005681	S.COL ELJRE 15NGFA	B	42.2/35
L13	6200005671	S.COL ELJRE 12NGFA	T	54.2/49.2
L14	6200005651	S.COL ELJRE 8N2ZFA	T	51/52.2
L15	6200009320	S.COL C3328A-12NG-A	T	34.1/46.6
L16	6200005661	S.COL ELJRE 10NGFA	T	30.2/56
L17	6200005631	S.COL ELJRE 5N6ZFA	T	36.2/56.7
L18	6200005711	S.COL ELJRE 27NGFA	T	39.2/60
L19	6200005671	S.COL ELJRE 12NGFA	B	39.5/59
L20	6200005671	S.COL ELJRE 12NGFA	B	42.2/59
L200	6200009351	S.COL ELJRE R22GFA	B	66.7/22.7
L201	6200005701	S.COL ELJRE 22NGFA	T	60.7/26
L202	6200005741	S.COL ELJRE 47NGFA	T	59.2/41.5
L203	6200009351	S.COL ELJRE R15GFA	T	61.7/41.2
L204	6200005691	S.COL ELJRE 18NGFA	T	73/34.3
L205	6200005721	S.COL ELJRE 33NGFA	T	61.4/4.7
L206	6200005661	S.COL ELJRE 10NGFA	T	69.5/42
L207	6200005591	S.COL ELJRE 2N7ZFA	T	70.2/44.2
L208	6200005671	S.COL ELJRE 12NGFA	T	71/46.5
L209	6200006991	S.COL ELJRE 56NGFA	T	67.5/34.7
L210	6200005691	S.COL ELJRE 18NGFA	T	71/49.9
L211	6200005661	S.COL ELJRE 10NGFA	T	63.2/36.2
L212	6200005701	S.COL ELJRE 22NGFA	T	60.7/48.5
L213	6200005681	S.COL ELJRE 15NGFA	T	60.7/50
L214	6200005661	S.COL ELJRE 10NGFA	T	75.7/62.2
L215	6200005681	S.COL ELJRE 15NGFA	T	79.2/62.5
L216	6200005691	S.COL ELJRE 18NGFA	T	88.2/61.7
L217	6200005671	S.COL ELJRE 12NGFA	T	92.2/56.2
L218	6200005651	S.COL ELJRE 8N2ZFA	T	99.5/57.7
L219	6200005681	S.COL ELJRE 15NGFA	T	109.7/55.5
L220	6200005681	S.COL ELJRE 15NGFA	T	109.7/58.5
L221	6200011910	S.COL BLM31PG330SN1L	T	94.7/91.2
L222	6200011910	S.COL BLM31PG330SN1L	T	103.1/91.2
L223	6200010160	S.COL AS080440-22N	T	115.5/102
L224	6200011910	S.COL BLM31PG330SN1L	T	111.8/91.2
L225	6200010160	S.COL AS080440-22N	T	109/104.5
L226	6200010150	S.COL AS080340-15N	T	117.7/112.2
L227	6200010150	S.COL AS080340-15N	T	117.7/118.2
L228	6200010150	S.COL AS080340-15N	T	117.7/123.7
L229	6200005671	S.COL ELJRE 12NGFA	T	63/45.5
L230	6200009380	S.COL C6328A-43NG-A	B	120.7/127.2
L231	6200007120	S.COL ELJND 1R0J	T	29.5/47.8
L232	6200007120	S.COL ELJND 1R0J	T	37/54.3
L233	6200009351	S.COL ELJRE R22GFA	T	39/20.6
L234	6200009351	S.COL ELJRE R22GFA	T	39.7/44.5
L235	6200005701	S.COL ELJRE 22NGFA	T	97.1/55
R1	7540000280	S.ASB ERZVF2M220	B	66/124.7
R2	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	T	8/123
R3	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	9.2/120.7
R4	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	7.2/118.5
R5	7030003860	S.RES ERJ3GE JPW V	T	22.7/91
R6	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	16.7/106.2
R8	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	44.7/20.5
R9	7030003500	S.RES ERJ3GEYJ 332 V (3.3 k)	T	28.5/16
R11	7030003520	S.RES ERJ3GEYJ 472 V (4.7 k)	B	38.7/30.2
R12	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	B	40.2/30.2
R13	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	31.7/29.2
R14	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	B	34.5/34.2
R15	7030003290	S.RES ERJ3GEYJ 560 V (56)	B	36/34.2
R16	7030003860	S.RES ERJ3GE JPW V	T	31.5/23.7
R17	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	53.1/25.8
R18	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	B	39.5/24
R19	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	51.7/34.5
R20	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	41.3/28.8
R21	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	B	39.5/22.7
R22	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	51.7/28.7
R23	7030003520	S.RES ERJ3GEYJ 472 V (4.7 k)	T	51.7/25.8
R24	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	B	33/24
R25	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	35/23.2
R26	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	36.2/23.2
R27	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	37.5/23.2
R28	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	T	32.3/29.6
R29	7030003360	S.RES ERJ3GEYJ 221 V (220)	T	30.7/35
R30	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	52.5/31
R31	7030003620	S.RES ERJ3GEYJ 333 V (33 k)	T	38.7/34.2
R33	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	35.5/36.5
R34	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	44.2/33.5
R35	7030003500	S.RES ERJ3GEYJ 332 V (3.3 k)	T	18.5/49.5
R36	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	49.2/46.5
R37	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	54.5/52.7
R39	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	51.8/50.3
R40	7030003520	S.RES ERJ3GEYJ 472 V (4.7 k)	T	49/50.3
R41	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	46.5/47.7
R44	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	B	41.7/53.2
R45	7030003630	S.RES ERJ3GEYJ 393 V (39 k)	B	40.2/53.2
R46	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	31.2/52.7
R47	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	B	33.7/58.7
R50	7030003290	S.RES ERJ3GEYJ 560 V (56)	B	35.7/58.2
R51	7030003860	S.RES ERJ3GE JPW V	T	29.5/50.1
R52	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	39.7/52
R53	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	T	32.2/53.6
R54	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	B	39.2/47.5
R55	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	B	39.2/46.7
R56	7030003400	S.RES ERJ3GEYJ 471 V (470)	T	28.7/56
R57	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	B	33.5/46.7
R58	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	34.7/46.7
R59	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	36/46.7
R60	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	37.2/46.7
R61	7030003520	S.RES ERJ3GEYJ 333 V (33 k)	T	38.5/57.7
R62	7030003590	S.RES ERJ3GEYJ 183 V (18 k)	T	39.9/55
R63	7030003360	S.RES ERJ3GEYJ 221 V (220)	T	35.5/59.2
R64	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	43.1/55.5
R65	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	5.6/28.5
R66	7030003390	S.RES ERJ3GEYJ 391 V (390)	T	10.4/29.3
R67	7030003290	S.RES ERJ3GEYJ 560 V (56)	T	15.5/23
R200	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	15.5/106.2
R201	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	40.2/105.5
R202	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	37.5/105.5
R203	7030003530	S.RES ERJ3GEYJ 562 V (5.6 k)	T	89/112
R205	7030003860	S.RES ERJ3GE JPW V	T	88.2/114
R206	7510001670	S.TMR NTCG16 4BH 103KT	T	89/110.2
R207	7030003450	S.RES ERJ3GEYJ 122 V (1.2 k)	T	91.7/112
R208	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	63.5/14
R209	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	90.7/26.2
R210	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	88.7/23.2
R211	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	90.7/29
R212	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	T	66/13.2
R213	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	78.2/27
R214	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	78.2/25.7
R215	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	82.2/21.5
R216	7030003550	S.RES ERJ3GEYJ 822 V (8.2 k)	T	81.7/30.7
R217	7030003550	S.RES ERJ3GEYJ 822 V (8.2 k)	T	84/25
R218	7030003330	S.RES ERJ3GEYJ 180 V (18)	T	60.7/23
R219	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	62.7/22.2
R220	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	62.7/23.7
R221	7030003860	S.RES ERJ3GE JPW V	B	86/29.2
R222	7030003590	S.RES ERJ3GEYJ 183 V (18 k)	T	81.7/23
R223	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	38/92
R224	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	48.7/92
R225	7030003590	S.RES ERJ3GEYJ 183 V (18 k)	T	81.7/29.5
R226	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	79/30
R227	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	78.2/24.5
R228	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	42.5/91.7
R229	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	52.7/91.7
R230	7030003230	S.RES ERJ3GEYJ 180 V (18)	T	60.7/28.7
R231	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	62.7/28
R232	7030003230	S.RES ERJ3GEYJ 180 V (18)	T	68/30.7
R233	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	65/30.7
R234	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	T	45/91
R235	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	T	55.2/91
R236	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	62.7/29.5
R237	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	74.7/30.7
R238	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	B	70/27
R239	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	B	71.2/27
R240	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	B	75.7/24.5
R241	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	B	74.2/24.5
R242	7030003860	S.RES ERJ3GE JPW V	T	67.5/39.7
R243	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	69/34.7
R244	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	62.4/34.1
R245	7030003520	S.RES ERJ3GEYJ 472 V (4.7 k)	T	65.5/35.5
R246	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	65.5/37
R248	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	73.5/60.2
R249	7030003520	S.RES ERJ3GEYJ 472 V (4.7 k)	T	77.7/62.5
R250	7030003530	S.RES ERJ3GEYJ 562 V (5.6 k)	T	75.7/60.7
R251	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	78.5/64.5
R252	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	75.7/58
R253	7030003860	S.RES ERJ3GE JPW V	T	81.1/61.7
R254	7030004030	S.RES ERJ3GEYJ 5R6 V (5.6)	T	85.2/59
R255	7030003400	S.RES ERJ3GEYJ 471 V (470)	T	84.5/61
R256	7030003400	S.RES ERJ3GEYJ 471 V (470)	T	86/61
R257	7030003580	S.RES ERJ3GEYJ 153 V (15 k)	T	90/57.7
R258	7030003530	S.RES ERJ3GEYJ 562 V (5.6 k)	T	90/59
R259	7030003380	S.RES ERJ3GEYJ 331 V (330)	T	90/56.5

[MAIN-T UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
R29	7030003360	S.RES ERJ3GEYJ 221 V (220)	T	30.7/35
R30	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	52.5/31
R31	7030003620	S.RES ERJ3GEYJ 333 V (33 k)	T	38.7/34.2
R33	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	35.5/36.5
R34	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	44.2/33.5
R35	7030003500	S.RES ERJ3GEYJ 332 V (3.3 k)	T	18.5/49.5
R36	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	49.2/46.5
R37	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	54.5/52.7
R39	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	51.8/50.3
R40	7030003520	S.RES ERJ3GEYJ 472 V (4.7 k)	T	49/50.3
R41	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	46.5/47.7
R44	7030003440	S.RES ERJ3GEYJ 102		

[MAIN-T UNIT]

[MAIN-T UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
R260	7030005430	S.RES ERJ3GEYJ 3R3 V (3.3)	T	93/58.2
R261	7030004030	S.RES ERJ3GEYJ 5R6 V (5.6)	T	95.7/58.2
R262	7030003430	S.RES ERJ3GEYJ 821 V (820)	T	95/60.5
R263	7030003430	S.RES ERJ3GEYJ 821 V (820)	T	96.5/60.5
R264	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	T	92.7/76.7
R265	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	90.2/77.7
R266	7030007860	S.RES ERJ3GEYJ 8R2V (8.2)	T	101/57.7
R267	7030000180	S.RES MCR10EZJH 22 (220)	T	111.2/51.7
R268	7030003530	S.RES ERJ3GEYJ 562 V (5.6 k)	T	101/60.5
R269	7030003530	S.RES ERJ3GEYJ 562 V (5.6 k)	T	101/64
R270	7030003530	S.RES ERJ3GEYJ 562 V (5.6 k)	T	99.5/66.7
R271	7030000180	S.RES MCR10EZJH 22 (220)	T	113.2/51.7
R272	7030003460	S.RES ERJ3GEYJ 152 V (1.5 k)	T	99.5/69.7
R274	7030000150	S.RES MCR10EZJH 12 (120)	T	114/61.2
R275	7030000340	S.RES MCR10EZJH 470 (471)	T	113/58.5
R277	7030000340	S.RES MCR10EZJH 470 (471)	T	115/58.5
R279	7030003400	S.RES ERJ3GEYJ 471 V (470)	T	118.5/76
R280	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	112.5/76.7
R281	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	120/76
R282	7030003720	S.RES ERJ3GEYJ 224 V (220 k)	T	105.5/74
R283	7030003620	S.RES ERJ3GEYJ 333 V (33 k)	T	104/100
R284	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	102.7/75.5
R285	7030003620	S.RES ERJ3GEYJ 333 V (33 k)	T	102/99.2
R286	7030003740	S.RES ERJ3GEYJ 334 V (330 k)	T	100.5/79.2
R287	7030003710	S.RES ERJ3GEYJ 184 V (180 k)	T	98.5/80
R288	7030003400	S.RES ERJ3GEYJ 471 V (470)	T	99.5/76.2
R290	7030003380	S.RES ERJ3GEYJ 331 V (330)	T	90/55.3
R292	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	5.5/45.6
R293	7030003310	S.RES ERJ3GEYJ 820 V (82)	T	54.7/44
R294	7030004030	S.RES ERJ3GEYJ 5R6 V (5.6)	T	62.2/61
R295	7030003430	S.RES ERJ3GEYJ 821 V (820)	T	61.5/63.2
R296	7030003430	S.RES ERJ3GEYJ 821 V (820)	T	63/63.2
R297	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	B	41.7/50.5
R298	7030003310	S.RES ERJ3GEYJ 820 V (82)	T	52.7/44.2
R299	7030003310	S.RES ERJ3GEYJ 820 V (82)	T	52.7/43.2
R300	7030003200	S.RES ERJ3GEYJ 100 V (10)	T	50.2/28.7
R301	7030003290	S.RES ERJ3GEYJ 560 V (56)	B	56/37.1
R302	7030003290	S.RES ERJ3GEYJ 560 V (56)	B	45.8/37.2
R303	7030003290	S.RES ERJ3GEYJ 560 V (56)	B	46.2/59.2
R304	7030003290	S.RES ERJ3GEYJ 560 V (56)	T	72.2/36.2
R305	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	30/32.7
R306	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	38.5/36.5
C1	4030006860	S.CER C1608 JB 1H 102K-T	T	10.7/120.7
C2	4510008520	S.ELE EEE1CA470SP	T	15.5/126.7
C3	4030006900	S.CER C1608 JB 1H 103K-T	B	27.7/108.3
C4	4030006860	S.CER C1608 JB 1H 102K-T	T	21/127.5
C5	4510004601	ELE 16 ME 1000 HC+T0		
C6	4030006860	S.CER C1608 JB 1H 102K-T	B	55/124
C7	4030006850	S.CER C1608 JB 1H 471K-T	B	57/124
C8	4030006900	S.CER C1608 JB 1H 103K-T	T	4.7/119.7
C9	4030007130	S.CER C1608 CH 1H 101J-T	B	53/124
C10	4510008520	S.ELE EEE1CA470SP	T	22.2/115.2
C11	4510008520	S.ELE EEE1CA470SP	T	66/115.5
C12	4510008520	S.ELE EEE1CA470SP	T	66/101
C13	4030008630	S.CER C1608 JF 1H 104Z-T	B	28.2/113.7
C14	4030008630	S.CER C1608 JF 1H 104Z-T	B	74.7/113.7
C15	4030011600	S.CER C1608 JB 1E 104K-T	B	75/106
C16	4030011600	S.CER C1608 JB 1E 104K-T	T	22/93.5
C17	4030007090	S.CER C1608 CH 1H 470J-T	B	19.2/102
C18	4030007090	S.CER C1608 CH 1H 470J-T	B	20.7/112.5
C19	4030007090	S.CER C1608 CH 1H 470J-T	B	20.5/102
C20	4030007090	S.CER C1608 CH 1H 470J-T	B	19.5/112.5
C21	4030007090	S.CER C1608 CH 1H 470J-T	B	18/102
C22	4030007090	S.CER C1608 CH 1H 470J-T	B	17/112.5
C23	4030007090	S.CER C1608 CH 1H 470J-T	B	16.7/102.2
C24	4030008630	S.CER C1608 JF 1H 104Z-T	B	38.8/113.7
C25	4030008630	S.CER C1608 JF 1H 104Z-T	B	72.5/111.7
C26	4030011600	S.CER C1608 JB 1E 104K-T	B	72.7/103.7
C27	4030011600	S.CER C1608 JB 1E 104K-T	T	22/97
C28	4030006900	S.CER C1608 JB 1H 103K-T	B	22/112.5
C29	4510008590	S.ELE EEE1AA101SP	T	42.2/113.7
C30	4510008590	S.ELE EEE1AA101SP	T	66/108.2
C31	4510008590	S.ELE EEE1AA101SP	T	75.2/97
C32	4550006780	S.TAN TEESVB2 0J 476M8R	T	25.5/96
C33	4550006350	S.TAN TEESVB2 1A 226M8R	T	27/11.2
C34	4550006350	S.TAN TEESVB2 1A 226M8R	T	30.5/11.2
C35	4030006900	S.CER C1608 JB 1H 103K-T	B	25.2/64
C36	4030011600	S.CER C1608 JB 1E 104K-T	T	33.7/15.2
C37	4550006350	S.TAN TEESVB2 1A 226M8R	T	34/11.2
C38	4550005980	S.TAN TEESVA 1A 475M8R	B	44.2/29
C39	4550005980	S.TAN TEESVA 1A 475M8R	B	42/29
C40	4030006900	S.CER C1608 JB 1H 103K-T	B	29.7/28.5
C41	4030006900	S.CER C1608 JB 1H 103K-T	B	39.5/28
C42	4030006900	S.CER C1608 JB 1H 103K-T	B	29.7/30
C43	4030011600	S.CER C1608 JB 1E 104K-T	B	33/34.5
C44	4030009520	S.CER C1608 CH 1H 020B-T	T	36.7/21.7
C45	4030009920	S.CER C1608 CH 1H 050B-T	T	39/23
C46	4610001590	S.TRI TZC3R100A110R00	T	43/24.5
C47	4030006860	S.CER C1608 JB 1H 102K-T	B	37.5/34.2

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
C48	4030006860	S.CER C1608 JB 1H 102K-T	T	29.2/23
C49	4030006860	S.CER C1608 JB 1H 102K-T	T	29.7/31.7
C50	4030009520	S.CER C1608 CH 1H 020B-T	T	39/24.4
C51	4030006860	S.CER C1608 JB 1H 102K-T	T	54.7/33.2
C52	4030006860	S.CER C1608 JB 1H 102K-T	T	29.2/24.5
C53	4030007050	S.CER C1608 CH 1H 220J-T	T	36.5/25
C54	4030006860	S.CER C1608 JB 1H 102K-T	T	53.2/34.5
C55	4030011600	S.CER C1608 JB 1E 104K-T	T	29.2/26.2
C56	4030007050	S.CER C1608 CH 1H 220J-T	T	39/29.2
C57	4030006860	S.CER C1608 JB 1H 102K-T	T	54.5/25.8
C58	4030006860	S.CER C1608 JB 1H 102K-T	T	30.7/36.5
C59	4030009500	S.CER C1608 CH 1H 0R5B-T	T	36.5/28.4
C60	4030009510	S.CER C1608 CH 1H 010B-T	T	48.7/31.7
C61	4030006860	S.CER C1608 JB 1H 102K-T	T	51/36.5
C62	4030006860	S.CER C1608 JB 1H 102K-T	T	29.2/30
C63	4030007090	S.CER C1608 CH 1H 470J-T	T	32.5/33.5
C64	4030006860	S.CER C1608 JB 1H 102K-T	T	32/59.7
C65	4030007050	S.CER C1608 CH 1H 220J-T	B	38.7/37
C66	4030007010	S.CER C1608 CH 1H 100D-T	T	50.2/34.5
C67	4030009540	S.CER C1608 CH 1H 1R5B-T	B	39.5/33.5
C68	4030006860	S.CER C1608 JB 1H 102K-T	T	42.7/33.5
C69	4030006860	S.CER C1608 JB 1H 102K-T	T	37.5/34.2
C70	4030007090	S.CER C1608 CH 1H 470J-T	B	40.2/37
C71	4030007090	S.CER C1608 CH 1H 470J-T	T	42.4/36.5
C72	4030006970	S.CER C1608 CH 1H 060D-T	B	42.2/33.5
C73	4030007050	S.CER C1608 CH 1H 220J-T	B	42.7/37
C75	4550006350	S.TAN TEESVB2 1A 226M8R	T	16.2/44.7
C76	4030009530	S.CER C1608 CH 1H 030B-T	T	52.7/46
C77	4030006860	S.CER C1608 JB 1H 102K-T	T	54.5/51.2
C78	4550006350	S.TAN TEESVB2 1A 226M8R	T	19.7/44.7
C79	4030006860	S.CER C1608 JB 1H 102K-T	T	49.2/47.7
C80	4030011600	S.CER C1608 JB 1E 104K-T	T	23.2/48.7
C81	4550006350	S.TAN TEESVB2 1A 226M8R	T	23.2/44.7
C82	4030006860	S.CER C1608 JB 1H 102K-T	T	51/55.2
C83	4030006860	S.CER C1608 JB 1H 102K-T	T	54.5/54.2
C85	4550000530	S.TAN TEESVA 1V 104M8R	B	45.2/51.7
C86	4550005980	S.TAN TEESVA 1A 475M8R	B	45.2/54
C87	4030006900	S.CER C1608 JB 1H 103K-T	B	29.2/52
C88	4030006860	S.CER C1608 JB 1H 102K-T	T	30.9/50.1
C89	4030006900	S.CER C1608 JB 1H 103K-T	B	38.7/53.2
C90	4030011600	S.CER C1608 JB 1E 104K-T	T	33.7/57.5
C91	4030009910	S.CER C1608 CH 1H 040B-T	T	39.6/46.2
C92	4610001590	S.TRI TZC3R100A110R00	T	43/48
C93	4030009510	S.CER C1608 CH 1H 010B-T	T	37/47.7
C94	4030006900	S.CER C1608 JB 1H 103K-T	B	29.2/53.5
C95	4030006860	S.CER C1608 JB 1H 102K-T	B	37.2/58.2
C96	4030006860	S.CER C1608 JB 1H 102K-T	B	29.2/55.5
C97	4030007130	S.CER C1608 CH 1H 101J-T	T	30.9/45.4
C98	4030009920	S.CER C1608 CH 1H 050B-T	T	34.6/50
C99	4030009920	S.CER C1608 CH 1H 050B-T	T	36.8/52.6
C100	4030009500	S.CER C1608 CH 1H 0R5B-T	T	32.9/51.6
C101	4030006860	S.CER C1608 JB 1H 102K-T	T	29.5/45.4
C102	4030006860	S.CER C1608 JB 1H 102K-T	T	28.8/58.8
C103	4030006860	S.CER C1608 JB 1H 102K-T	T	29.5/53.6
C104	4030009530	S.CER C1608 CH 1H 030B-T	T	33.1/57.5
C105	4030006860	S.CER C1608 JB 1H 102K-T	T	30.2/59.7
C106	4030006860	S.CER C1608 JB 1H 102K-T	T	43.1/57
C107	4030009530	S.CER C1608 CH 1H 030B-T	B	38.7/61
C108	4030009510	S.CER C1608 CH 1H 010B-T	B	39.5/57.7
C109	4030009520	S.CER C1608 CH 1H 020B-T	T	42.8/59.3
C110	4030006860	S.CER C1608 JB 1H 102K-T	T	37/59.2
C111	4030006970	S.CER C1608 CH 1H 060D-T	B	40.2/61
C112	4030009510	S.CER C1608 CH 1H 010B-T	B	42.2/57.7
C113	4030009530	S.CER C1608 CH 1H 030B-T	B	43/61
C114	4030006860	S.CER C1608 JB 1H 102K-T	T	7/30
C115	4030006860	S.CER C1608 JB 1H 102K-T	T	10.4/28.1
C116	4030006860	S.CER C1608 JB 1H 102K-T	T	4.3/28.5
C118	4030007130	S.CER C1608 CH 1H 101J-T	T	11.3/25.5
C200	4030007090	S.CER C1608 CH 1H 470J-T	B	44.2/106.2
C201	4030006860	S.CER C1608 JB 1H 102K-T	B	37.5/106.7
C202	4030007090	S.CER C1608 CH 1H 470J-T	B	52.5/106.2
C203	4030006860	S.CER C1608 JB 1H 102K-T	B	40.2/106.7
C204	4030006900	S.CER C1608 JB 1H 103K-T	B	15.5/102.2
C205	4030007090	S.CER C1608 CH 1H 470J-T	B	51.2/106.2
C206	4030007090	S.CER C1608 CH 1H 470J-T	B	50/106.2
C207	4030011600	S.CER C1608 JB 1E 104K-T	T	91.7/110.2
C208	4030011600	S.CER C1608 JB 1E 104K-T	T	90.7/23.2
C209	4030011600	S.CER C1608 JB 1E 104K-T	T	88.7/26.5
C210	4030006850	S.CER C1608 JB 1H 471K-T	T	73.7/21.2
C211	4030006860	S.CER C1608 JB 1H 102K-T	T	62.7/20.7
C212	4030011600	S.CER C1608 JB 1E 104K-T	T	73.7/22.7
C213	4030007130	S.CER C1608 CH 1H 101J-T	T	81.7/24.2
C214	4030007130	S.CER C1608 CH 1H 101J-T	T	81.7/28.2
C215	4030006990	S.CER C1608 CH 1H 080D-T	T	62.7/25.2
C216	4030009920	S.CER C1608 CH 1H 050B-T	T	59.5/26
C217	4550006250	S.TAN TEESVA 1A 106M8R	B	79.5/20.7
C218	4030006990	S.CER C1608 CH 1H 080D-T	T	62.7/26.7
C219	4030011600	S.CER C1608 JB 1E 104K-T	B	82.2/20.2
C220	4030007090	S.CER C1608 CH 1H 470J-T	T	74.7/25.2
C221	4030007090	S.CER C1608 CH 1H 470J-T	T	74.7/26.5
C222	4030007090	S.CER C1608 CH 1H 470J-T	T	74.7/27.7

[MAIN-T UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
C223	4510008520	S.ELE EEE1CA470SP	T	42.7/99.7
C224	4510008520	S.ELE EEE1CA470SP	T	52.7/100
C225	4030007090	S.CER C1608 CH 1H 470J-T	T	74.7/29
C226	4030009530	S.CER C1608 CH 1H 030B-T	T	60.5/41.5
C227	4030006860	S.CER C1608 JB 1H 102K-T	T	75.1/33.6
C228	4030007090	S.CER C1608 CH 1H 470J-T	B	73.5/21.5
C229	4030007130	S.CER C1608 CH 1H 101J-T	T	63.7/39.8
C230	4030006990	S.CER C1608 CH 1H 080D-T	T	74.7/36.2
C231	4030007090	S.CER C1608 CH 1H 470J-T	B	76.5/22.5
C232	4030006960	S.CER C1608 CH 1H 050C-T	T	73/33.1
C233	4030007090	S.CER C1608 CH 1H 470J-T	B	72/22.9
C234	4030009530	S.CER C1608 CH 1H 030B-T	T	63.7/43.5
C236	4030006990	S.CER C1608 CH 1H 080D-T	T	75.1/36.2
C237	4030007090	S.CER C1608 CH 1H 470J-T	B	68/26.2
C238	4030006860	S.CER C1608 JB 1H 102K-T	T	67.6/44.8
C239	4030007130	S.CER C1608 CH 1H 101J-T	T	72.5/42
C240	4030006860	S.CER C1608 JB 1H 102K-T	T	71/42
C241	4030006860	S.CER C1608 JB 1H 102K-T	T	69.7/32.5
C242	4030009570	S.CER C1608 CH 1H 0R3B-T	T	73.2/44.2
C243	4030007090	S.CER C1608 CH 1H 470J-T	T	70.5/34.7
C244	4030006860	S.CER C1608 JB 1H 102K-T	T	68.2/37
C245	4030006940	S.CER C1608 CH 1H 030C-T	T	73.2/45.7
C246	4030006940	S.CER C1608 CH 1H 030C-T	T	69.5/46.5
C247	4030006860	S.CER C1608 JB 1H 102K-T	T	62.4/32.9
C248	4030007010	S.CER C1608 CH 1H 100D-T	T	73.2/47.2
C249	4030010780	S.CER C1608 CH 1H 1R5C-T	T	69.5/49.2
C250	4030006960	S.CER C1608 CH 1H 050C-T	T	73.2/49.2
C251	4030007040	S.CER C1608 CH 1H 180J-T	T	67.7/49.2
C252	4030007010	S.CER C1608 CH 1H 100D-T	T	61.7/36.2
C253	4030007040	S.CER C1608 CH 1H 180J-T	T	63.7/48.5
C254	4030006980	S.CER C1608 CH 1H 070D-T	T	66.2/49.2
C255	4030007090	S.CER C1608 CH 1H 470J-T	T	63.7/50
C256	4030007070	S.CER C1608 CH 1H 330J-T	T	63.7/51.7
C257	4030006860	S.CER C1608 JB 1H 102K-T	T	73.5/63
C258	4030006970	S.CER C1608 CH 1H 060D-T	T	75/64.5
C259	4030006850	S.CER C1608 JB 1H 471K-T	T	75.7/59.2
C260	4030006860	S.CER C1608 JB 1H 102K-T	T	80.7/65.2
C261	4030006850	S.CER C1608 JB 1H 471K-T	T	77.7/66.5
C262	4030006860	S.CER C1608 JB 1H 102K-T	T	79.2/66.5
C263	4030009910	S.CER C1608 CH 1H 040B-T	T	83/62.5
C264	4030006850	S.CER C1608 JB 1H 471K-T	T	83/59.7
C265	4030006850	S.CER C1608 JB 1H 471K-T	T	87.5/59.7
C266	4030007020	S.CER C1608 CH 1H 120J-T	T	86.7/63.2
C267	4030006860	S.CER C1608 JB 1H 102K-T	T	93/54
C268	4030006850	S.CER C1608 JB 1H 471K-T	T	93/52.5
C269	4030007020	S.CER C1608 CH 1H 120J-T	T	93.5/60.5
C270	4030006850	S.CER C1608 JB 1H 471K-T	T	94.5/56.7
C271	4030006860	S.CER C1608 JB 1H 102K-T	T	95/76
C272	4030006850	S.CER C1608 JB 1H 471K-T	T	98/57.7
C273	4030007030	S.CER C1608 CH 1H 150J-T	T	98/60.5
C274	4030007020	S.CER C1608 CH 1H 120J-T	T	99.5/60.5
C275	4030006860	S.CER C1608 JB 1H 102K-T	T	99.5/64
C276	4030006860	S.CER C1608 JB 1H 102K-T	T	112/54.2
C277	4030006850	S.CER C1608 JB 1H 471K-T	T	112/55.5
C279	4030006860	S.CER C1608 JB 1H 102K-T	T	112/49.2
C280	4030006860	S.CER C1608 JB 1H 102K-T	T	101/66.7
C281	4030007130	S.CER C1608 CH 1H 101J-T	T	112/47.7
C282	4030006960	S.CER C1608 CH 1H 050C-T	T	111.2/58.5
C283	4030006980	S.CER C1608 CH 1H 070D-T	T	110.7/61.2
C284	4550006250	S.TAN TEESVA 1A 106M8R	T	111.5/71.5
C285	4030006860	S.CER C1608 JB 1H 102K-T	T	114.7/81.2
C286	4030011600	S.CER C1608 JB 1E 104K-T	T	115.5/72.7
C287	4030006860	S.CER C1608 JB 1H 102K-T	T	91.2/88.1
C288	4030006860	S.CER C1608 JB 1H 102K-T	T	117/72.7
C289	4030008630	S.CER C1608 JF 1H 104Z-T	T	92.5/88.1
C290	4030006860	S.CER C1608 JB 1H 102K-T	T	98.5/90.1
C291	4030008630	S.CER C1608 JF 1H 104Z-T	T	100/90.1
C292	4030006860	S.CER C1608 JB 1H 102K-T	T	120/72.7
C293	4030011070	S.CER GRM31M2C2H5R0CY21L	T	115.6/97.5
C294	4030006860	S.CER C1608 JB 1H 102K-T	T	106.8/90.1
C295	4030006860	S.CER C1608 JB 1H 102K-T	T	102.2/96
C296	4030008920	S.CER C1608 JB 1H 473K-T	T	105.5/75.5
C297	4030006860	S.CER C1608 JB 1H 102K-T	T	105.2/95
C298	4030008630	S.CER C1608 JF 1H 104Z-T	T	108.2/90.1
C299	4030011020	S.CER GRM31M4C2H1R0CY21L	T	107.5/98.7
C300	4030006940	S.CER C1608 CH 1H 030C-T	T	108.2/95
C301	4030011090	S.CER GRM31M2C2H7R0DV01L	T	110.6/98.7
C302	4030006900	S.CER C1608 JB 1H 103K-T	T	107.2/80.5
C303	4030006860	S.CER C1608 JB 1H 102K-T	T	117.4/90
C304	4030011600	S.CER C1608 JB 1E 104K-T	T	103/79.2
C305	4030006860	S.CER C1608 JB 1H 102K-T	T	100.2/96
C306	4030006860	S.CER C1608 JB 1H 102K-T	T	99.7/102.2
C307	4030008630	S.CER C1608 JF 1H 104Z-T	T	116.1/90
C308	4030006860	S.CER C1608 JB 1H 102K-T	T	101.7/79.2
C309	4030006860	S.CER C1608 JB 1H 102K-T	T	100.7/76.2
C310	4030006850	S.CER C1608 JB 1H 471K-T	T	114.8/90
C311	4030011020	S.CER GRM31M4C2H1R0CY21L	T	103.1/103.7
C312	4030006940	S.CER C1608 CH 1H 030C-T	T	99.7/105.2
C313	4030011080	S.CER GRM31M2C2H6R0DV01L	T	103.1/106.2
C314	4030017190	S.CER GRM31AR32J471KW01D	T	112.5/109.3
C315	4030011060	S.CER GRM31M2C2H4R0CY21L	T	112.5/113.1

[MAIN-T UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
C316	4030011150	S.CER GRM31M2C2H130JV01L	T	112.5/118.1
C317	4030011110	S.CER GRM31M2C2H9R0DV01L	T	112.5/122.5
C318	4030011060	S.CER GRM31M2C2H4R0CY21L	T	112.5/125
C319	4030009530	S.CER C1608 CH 1H 030B-T	T	64.5/45.5
C320	4030009910	S.CER C1608 CH 1H 040B-T	T	63.7/41
C322	4030009530	S.CER C1608 CH 1H 030B-T	T	37.5/45.3
C323	4550000460	S.TAN TEESVA 1C 105M8R	B	45.2/49.5
C324	4030006900	S.CER C1608 JB 1H 103K-T	B	41.2/20.2
C325	4030006900	S.CER C1608 JB 1H 103K-T	B	42.2/43.2
C326	4030007010	S.CER C1608 CH 1H 100D-T	T	55.2/31
C327	4030006860	S.CER C1608 JB 1H 102K-T	T	48.7/34.5
C328	4030007000	S.CER C1608 CH 1H 090D-T	T	49/53
C329	4030009530	S.CER C1608 CH 1H 030B-T	T	54.7/46.6
C330	4030009530	S.CER C1608 CH 1H 030B-T	T	39/21.8
C331	4030009910	S.CER C1608 CH 1H 040B-T	T	99.3/54.2
C333	4030006860	S.CER C1608 JB 1H 102K-T	T	85.8/38.3
J1	6510009351	CNR B2B-ZR (LF) (SN)		
J2	6510021720	S.CNR 30FLT-SM1-TB	T	23/107.2
J3	6510021720	S.CNR 30FLT-SM1-TB	T	45/107.2
J4	6510018450	CNR TMP-S01X-B1		
W1	8900004880	CBL OPC-465		
EP1	6910013310	S.BEA MMZ1608D121B	T	33.7/16.7
EP2	6910013310	S.BEA MMZ1608D121B	T	23.2/50.5
EP200	6910013310	S.BEA MMZ1608D121B	T	83.5/39
EP201	6910013310	S.BEA MMZ1608D121B	T	82.2/65.7
EP202	6910013310	S.BEA MMZ1608D121B	T	90.2/80.7
EP203	6910013310	S.BEA MMZ1608D121B	T	111.2/45.7
EP204	6910013310	S.BEA MMZ1608D121B	T	118.5/72.7

[FRONT UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
D1	1790001711	S.DIO NNCD5.6C-T1-A	T	36.9/71.8
D2	1790001711	S.DIO NNCD5.6C-T1-A	T	32.9/71.8
D3	1790001711	S.DIO NNCD5.6C-T1-A	T	24.9/71.8
D4	1790001711	S.DIO NNCD5.6C-T1-A	T	20.9/71.8
D5	1790001711	S.DIO NNCD5.6C-T1-A	T	16.9/71.7
D6	1790001711	S.DIO NNCD5.6C-T1-A	T	12.9/71.8
D7	1790000700	DIO DSA3A1		
D8	1790001711	S.DIO NNCD5.6C-T1-A	T	28.9/71.8
R1	7030003300	S.RES ERJ3GEYJ 680 V (68)	T	36/76.4
R2	7030003300	S.RES ERJ3GEYJ 680 V (68)	T	32/76.4
R3	7030003300	S.RES ERJ3GEYJ 680 V (68)	T	24/76.4
R4	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	20/76.4
R5	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	16/76.4
R6	7030003300	S.RES ERJ3GEYJ 680 V (68)	T	12/76.4
R7	7030011030	S.RES ERJ1TYJ 270U (27)	T	35.3/21.3
R8	7030003340	S.RES ERJ3GEYJ 151 V (150)	T	28/76.4

M.=Mounted side (T: Mounted on the Top side, B: Mounted on the Bottom side)
S.=Surface mount

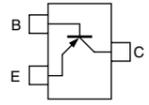
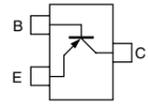
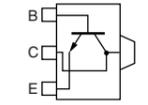
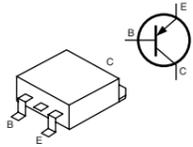
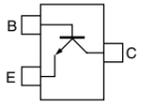
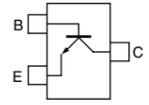
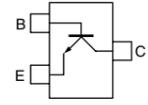
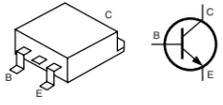
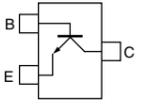
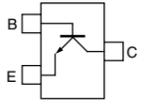
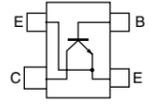
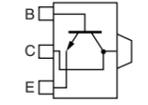
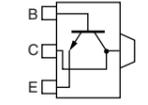
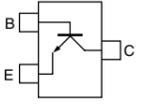
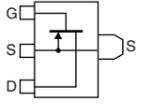
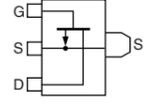
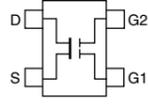
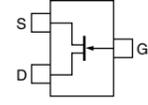
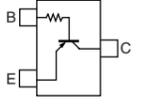
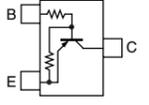
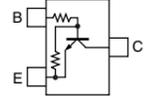
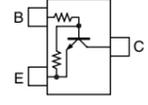
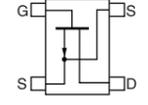
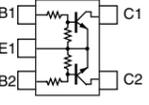
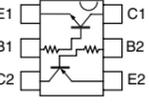
[REAR UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
C7	4510008800	S.ELE EEE1EA100SR	T	40.8/26.6
J1	6510018921	S.CNR B8B-PH-SM4-TB (LF) (SN)	T	23.9/43
J2	6510016171	CNR 52018-8836		
J3	6510023261	S.CNR B6B-PH-SM4-TB (LF) (SN)	T	25.9/58.5
J4	6510011591	CNR B2P-VH (LF) (SN)		
J5	6510011461	CNR B6P-VH (LF) (SN)		
J6	6510018961	S.CNR B2B-PH-SM4-TB (LF) (SN)	T	39.8/36.3

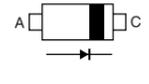
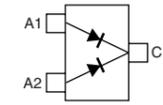
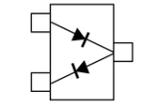
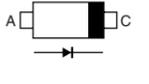
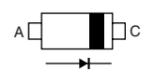
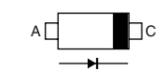
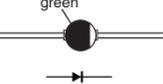
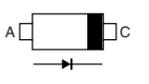
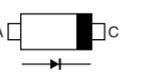
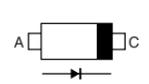
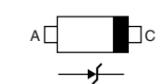
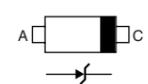
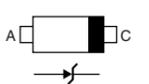
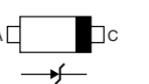
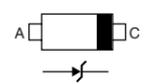
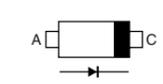
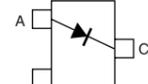
M.=Mounted side (T: Mounted on the Top side, B: Mounted on the Bottom side)
S.=Surface mount

SECTION 5 SEMICONDUCTOR INFORMATION

• TRANSISTORS AND FET'S

2SA1362 GR (Symbol: AEG) 	2SA1586 GR (Symbol: SG) 	2SB798 T2 DK (Symbol: DK) 	2SB934 P (Symbol: None) 	2SC4081 T106 S (Symbol: BS) 
2SC4215 O (Symbol: QO) 	2SC4226 T1 R25 (Symbol: R25) 	2SC4684 (Symbol: 2SC4684) 	2SC5107 O (Symbol: MFO) 	2SC5195 (Symbol: 88) 
2SC5454 R54 (Symbol: R54) 	2SD1619 T TD (Symbol: DB) 	2SD1801 S TL (Symbol: CE) 	2SD2216J (Symbol: Y) 	2SK2854 (Symbol: UP) 
2SK2855 (Symbol: UT) 	3SK241 (Symbol: DU) 	DTA114EUA T106 (Symbol: 14) 	DTA143TUA (Symbol: 93) 	DTA144EUA T106 (Symbol: 16) 
DTC143ZUA (Symbol: 123) 	DTC144EUA T106 (Symbol: 26) 	NE34018-T1 64 (Symbol: V64) 	XP1214 (Symbol: 9H) 	XP4315 (Symbol: CB) 

• DIODES

1SS355 (Symbol: A) 	1SS364 (Symbol: BF) 	1SS372 (Symbol: N9) 	1SV239 (Symbol: TC) 	1SV282 (Symbol: TD) 
1SV307 (Symbol: TX) 	1SV308 (Symbol: TX) 	DSA3A1 (Color: Green) 	HSU88TRF (Symbol: 9) 	MA2S077 (Symbol: S) 
MA2S728 (Symbol: B) 	MA8030 H (Symbol: 3^0) 	MA8033 L (Symbol: 3_3) 	MA8062 M (Symbol: 6-2) 	MA8082 M (Symbol: 8-2) 
MA8091 M (Symbol: 9-1) 	NNCD5.6C-T1 (Symbol: NNCD5.6) 	SB07-03C (Symbol: J) 		

SECTION 6 MECHANICAL PARTS

[CASE]

REF. NO.	ORDER NO.	DESCRIPTION	QTY.
MF1	2710000750	FBA08A12LZ (RIB)	1
W1	8900013140	OPC-1323 (2731 POWER-SW CABLE)	1
W2	8900013210	OPC-1307 (2731 DC CABLE)	1
W3	8900013240	OPC-1373 (2731 FAN CABLE)	1
W4	8900013170	OPC-1306 (2731 TRX-ANT CABLE)	1
W5	8900013170	OPC-1306 (2731 TRX-ANT CABLE)	1
EP1	6910008330	G80-18	1
MP1	8010019581	2732 CHASSIS-1	1
MP2	8930062871	2731 R-PLATE-1	1
MP3	8930062861	2731 L-PLATE-1	1
MP4	8110008171	2731 COVER-1	1
MP5	8210025090	2732 PANEL(D)-1	1
MP6	8930062851	2731 M-PLATE-1	2
MP7	8930062851	2731 M-PLATE-1	2
MP8	8930062841	2731 FAN HOLDER-1	2
MP9	8930063090	BH-60S	1
MP10	8850002040	Z-8S	4
MP12	8930048350	2146 LENS	1
MP13	8950003170	Nylon clip SL-8N	1
MP14	8810006470	setscrew (C) 4x12 SUS	4
MP15	8810003361	setscrew (C) 3x6 ZC3	4
MP16	8810003361	setscrew (C) 3x6 ZC3	4
MP17	8810003361	setscrew (C) 3x6 ZC3	4
MP18	8810003361	setscrew (C) 3x6 ZC3	4
MP20	8810003361	setscrew (C) 3x6 ZC3	1
MP21	8810002950	binding screw M3x6 SUS	12
MP22	8810002950	binding screw M3x6 SUS	2
MP23	8810002950	binding screw M3x6 SUS	1
MP24	8810010131	setscrew (C) 3x35 ZC3	4
MP25	8810003391	setscrew (C) 4x8 ZC3	4
MP26	8810003391	setscrew (C) 4x8 ZC3	4
MP27	8830000111	Nut M4 ZC3	1
MP28	8850000140	flat washer M4 BS NI	1
MP29	8850000130	flat washer M3 BS NI 3x8x0.5	1
MP30	8810002950	binding screw M3x6 SUS	2

[FRONT UNIT]

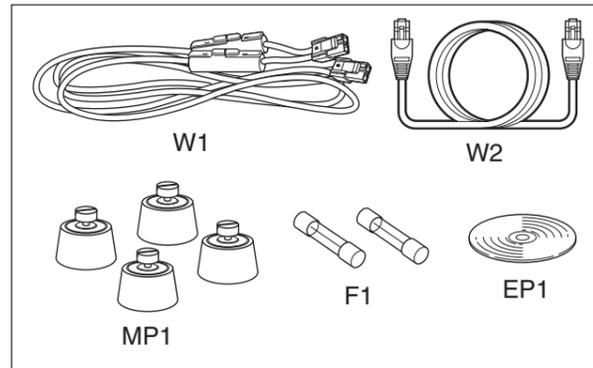
REF. NO.	ORDER NO.	DESCRIPTION	QTY.
J1	6450002101	CMS1410-016010	1
J2	6450002101	CMS1410-016010	1
J3	6510020251	B9B-PH-SM4-TB (LF) (SN)	1
J4	6510022311	B5B-PH-SM4-TB (LF) (SN)	1
DS1	5040003070	MPG4371F	1
S1	2220000631	MFS201N-16-Z	1

[REAR UNIT]

REF. NO.	ORDER NO.	DESCRIPTION	QTY.
J2	6510016171	52018-8836	1

[ACCESSORIES]

REF. NO.	ORDER NO.	DESCRIPTION	QTY.
F1	5210000071	FGB 10A PBF	2
W1	8900013190	OPC-1309 (2731 DC-IN CABLE)	1
W2	8900010551	OPC-1069A	1
EP1	7800000330	Utility CD	1
MP1	8930057680	Rubber leg (O)	4



Screw abbreviations BiH: Binding head
 SUS: Stainless NI: Nickel
 BS: Brass

[CHASSIS-T PARTS]

REF. NO.	ORDER NO.	DESCRIPTION	QTY.
IC204	1150002042	RA30H1317M-121	1
J1	6510004910	NR-DSE-01	1
P1	5610000380	TMP-K01X-A1	1
P2	5610000380	TMP-K01X-A1	1
MF1	2710000590	MF40D-12H-001 *	1
W1	8900010890	OPC-1115	1
W2	8900010890	OPC-1115	1
W3	9025900540	62/99/270/C31/C31	1
W4	9086700300	08	1
MP1	8010019621	2506 CHASSIS (A)-2	1
MP2	8810008661	Screw BT B0 3x8 NI-ZC3 (BT)	2
MP3	8810008661	Screw BT B0 3x8 NI-ZC3 (BT)	2
MP4	8810008661	Screw BT B0 3x8 NI-ZC3 (BT)	7
MP5	8110006640	2047 COVER	1
MP6	8810008451	binding screw M4x8 ZK3	1
MP7	8810008661	Screw BT B0 3x8 NI-ZC3 (BT)	1
MP9	8110005751	1729 FAN COVER-1	1
MP10	8810009111	Screw M2.6x16 ZK3	4
MP11	8510012210	2047 MAIN SHIELD	2
MP12	8810007131	setscrew (H) 3x6 ZC3	4
MP13	8930001170	earth spring (A) (FX-294)	1

[MAIN-T UNIT]

REF. NO.	ORDER NO.	DESCRIPTION	QTY.
J1	6510009351	B2B-ZR (LF) (SN)	1
J2	6510021721	30FLT-SM2-TB (LF) (SN)	1
J3	6510021721	30FLT-SM2-TB (LF) (SN)	1
J4	6510018450	TMP-S01X-B1	1
W1	8900004880	OPC-465	1
MP1	8510011111	1922 VCO CASE-1	1
MP2	8510011111	1922 VCO CASE-1	1
MP3	8510014760	2493 PLL CASE	1
MP4	8510017220	2850 VCO COVER	1
MP5	8510017220	2850 VCO COVER	1
MP6	8510014750	2493 PLL COVER	1
MP7	8930056580	Spacer (AD)	4
MP8	8810007131	setscrew (H) 3x6 ZC3	4
MP9	8930059770	2633 M-HOLDER	1
MP10	8930014140	earth spring (D)	1

[LOGIC-T UNIT]

REF. NO.	ORDER NO.	DESCRIPTION	QTY.
J1	6510022711	30FLZ-SM2-TB (LF) (SN)	1
J2	6510022711	30FLZ-SM2-TB (LF) (SN)	1
J4	6510019271	52365-0671	1
J5	6510021431	S8B-ZR-SM4A-TF (LF) (SN)	1
J6	6510023861	S9B-ZR-SM4A-TF (LF) (SN)	1
W1	8900013180	OPC-1312 (2732 TX-CTRL CABLE)	1
MP1	8510014481	2506 CPU SHIELD-1	1
MP3	8510002280	VCO shield plate (A) (FX-15)	1

[CHASSIS-R PARTS]

REF. NO.	ORDER NO.	DESCRIPTION	QTY.
J1	6510004910	NR-DSE-01	1
W1	8900010890	OPC-1115	1
W2	8900010890	OPC-1115	1
MP1	8010019621	2506 CHASSIS (A)-2	1
MP2	8810008661	screw BT B0 3x8 NI-ZC3 (BT)	2
MP3	8810008661	screw BT B0 3x8 NI-ZC3 (BT)	1
MP4	8810008661	screw BT B0 3x8 NI-ZC3 (BT)	7
MP5	8110006640	2047 COVER	1
MP6	8810008451	binding screw M4x8 ZK3	1
MP7	8510012210	2047 MAIN SHIELD	2
MP8	8810007131	setscrew (H) 3x6 ZC3	4

[MAIN-R UNIT]

REF. NO.	ORDER NO.	DESCRIPTION	QTY.
J1	6510021721	30FLT-SM2-TB (LF) (SN)	1
J2	6510021721	30FLT-SM2-TB (LF) (SN)	1
J3	6510018450	TMP-S01X-B1	1
W1	8900004880	OPC-465	1
EP2	6910013310	MMZ1608D121B	1
MP1	8510011111	1922 VCO CASE-1	1
MP2	8510017220	2850 VCO COVER	1
MP3	8930056580	Spacer (AD)	4
MP4	8810007131	setscrew (H) 3x6 ZC3	4
MP5	8510002280	VCO shield plate (A) (FX-15)	1
MP6	8930014140	earth spring (D)	1
MP7	8510016420	2506 VCO CASE	1
MP8	8510016430	2506 VCO COVER	1

[LOGIC-R UNIT]

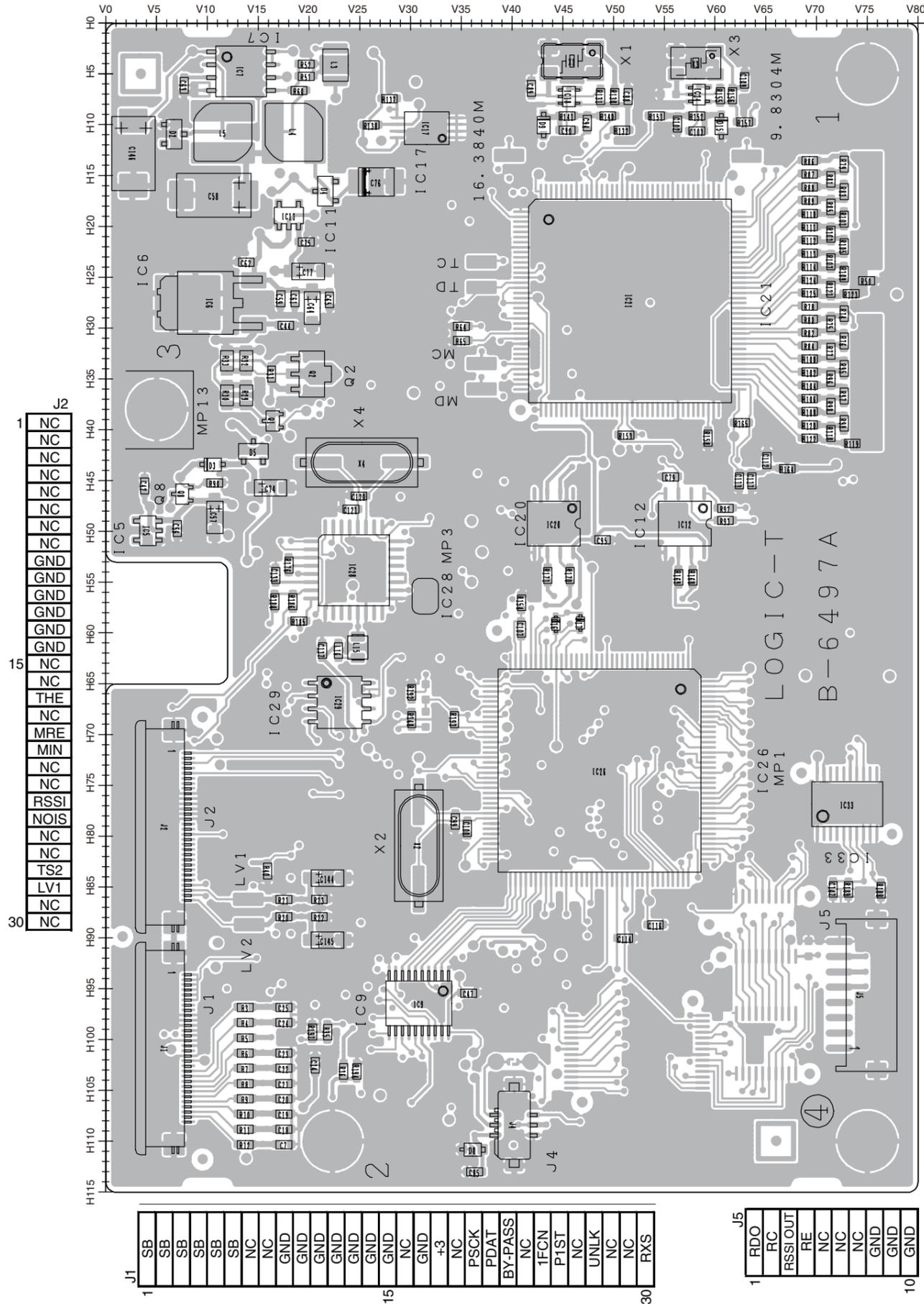
REF. NO.	ORDER NO.	DESCRIPTION	QTY.
J1	6510022711	30FLZ-SM2-TB (LF) (SN)	1
J2	6510022711	30FLZ-SM2-TB (LF) (SN)	1
J4	6510019271	52365-0671	1
J5	6510021431	S8B-ZR-SM4A-TF (LF) (SN)	1
J6	6510023861	S9B-ZR-SM4A-TF (LF) (SN)	1
W1	8900013161	OPC-1313A (2732 RX-CTRL CABLE)	1
MP1	8510014481	2506 CPU SHIELD-1	1
MP3	8510002280	VCO shield plate (A) (FX-15)	1
MP4	8510010460	1691 MAIN SHIELD PLATE	1
MP5	8510010460	1691 MAIN SHIELD PLATE	1

*Note: Refer to SECTION 9 BOARD LAYOUTS.

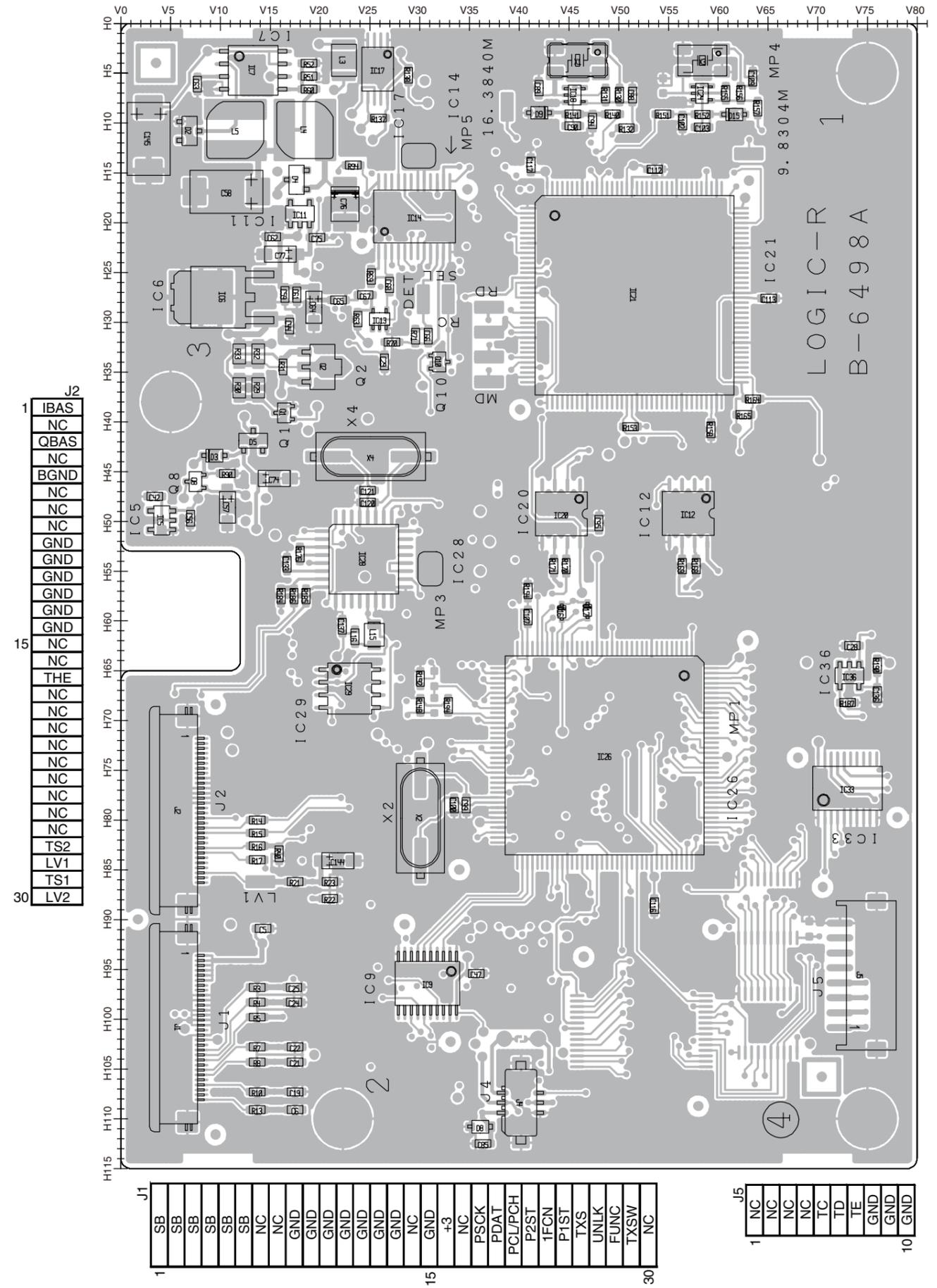
Screw abbreviations BT: Self-tapping PH: Pan head
 BiH: Binding head
 ZK, ZK3: Black ZC, ZC3: Black
 NI-ZU: Nickel-Zinc

SECTION 7 BOARD LAYOUTS

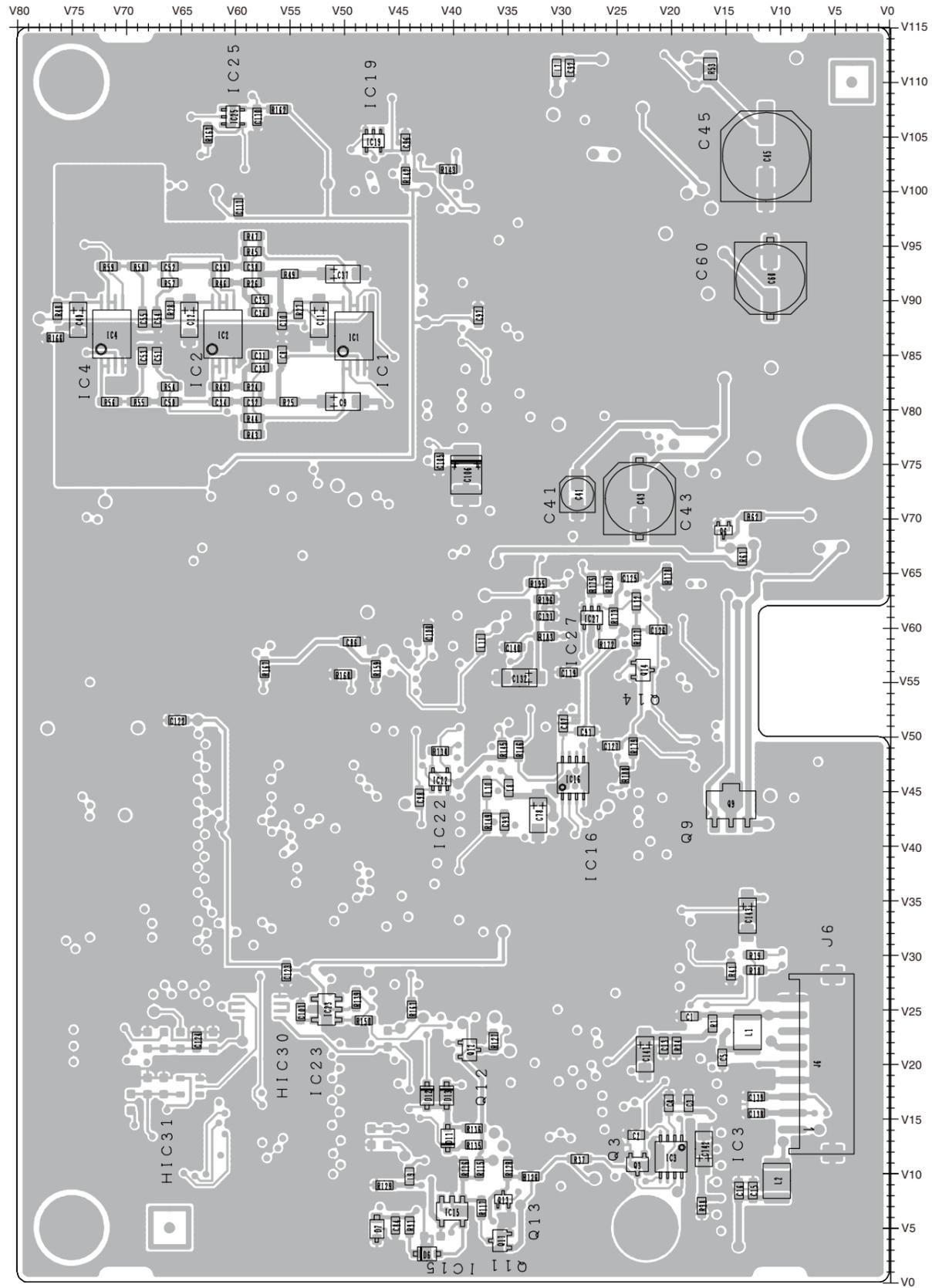
• LOGIC-R BOARD (TOP VIEW)



• LOGIC-T BOARD (TOP VIEW)

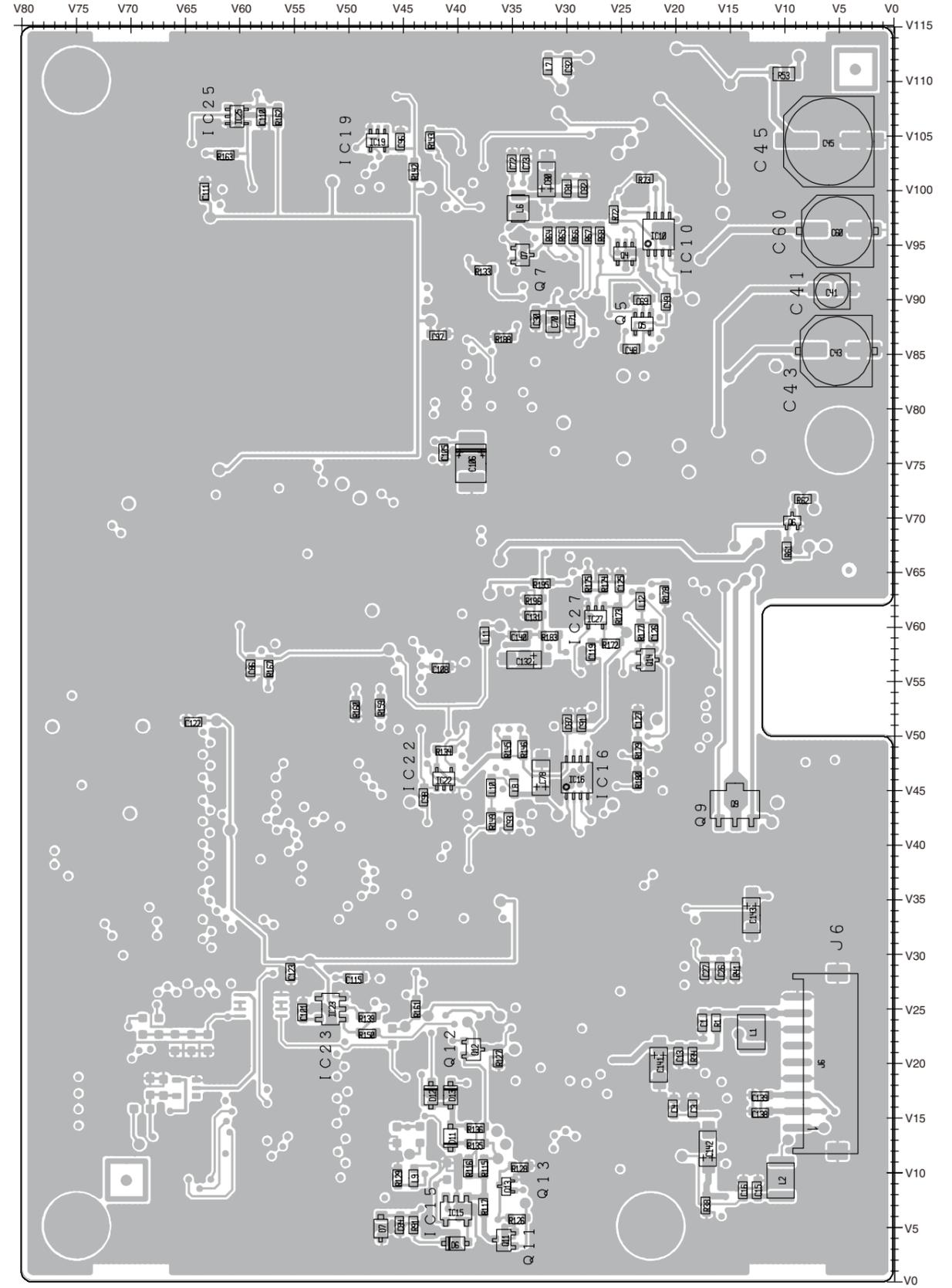


• LOGIC-T BOARD (BOTTOM VIEW)



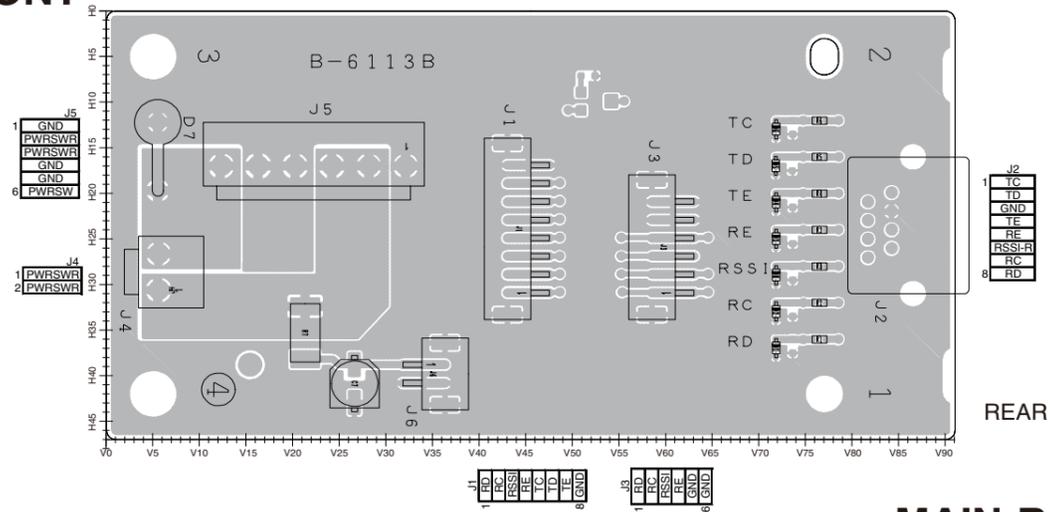
J6
1 USBV
2 USBDM
3 USBDP
4 GND
5 HLS
6 5V
7 GND
8 SB
9 GND
10 GND

• LOGIC-R BOARD (BOTTOM VIEW)



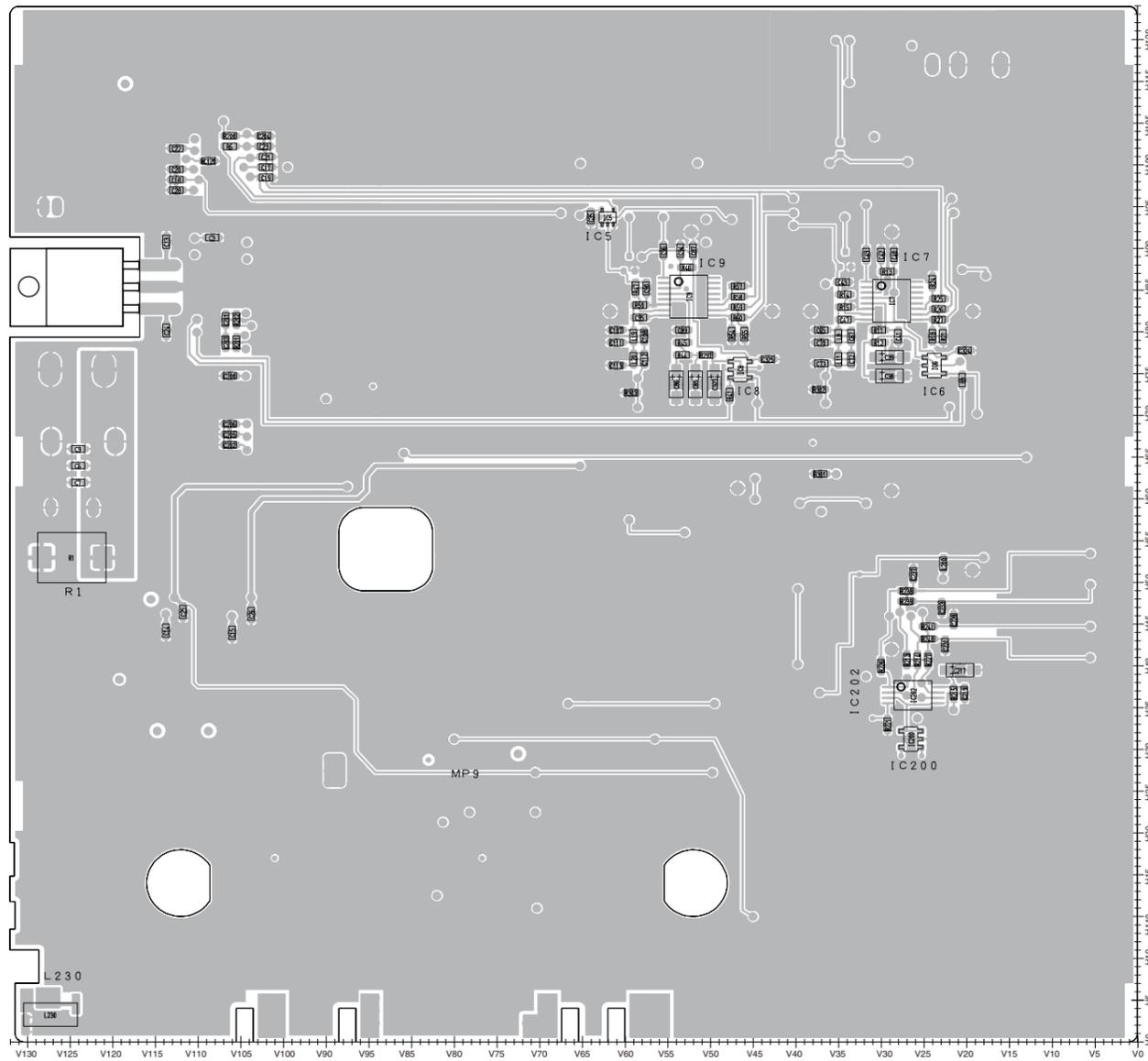
J6
1 USBV
2 USBDM
3 USBDP
4 GND
5 NC
6 NC
7 GND
8 SB
9 GND
10 GND

• FRONT

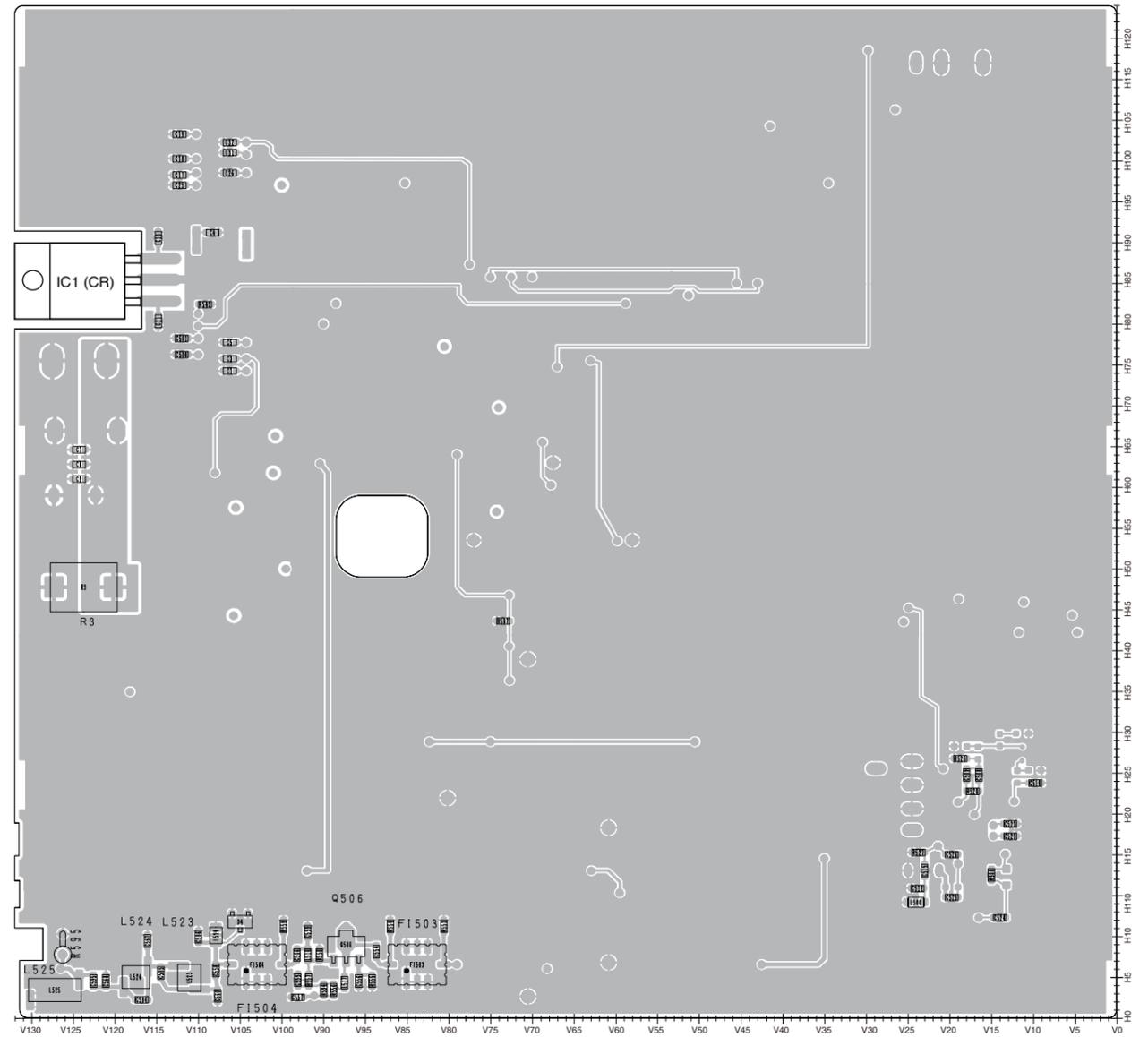


The combination of this side and the bottom side shows the unit layout in the same configuration as the actual P.C. Board.

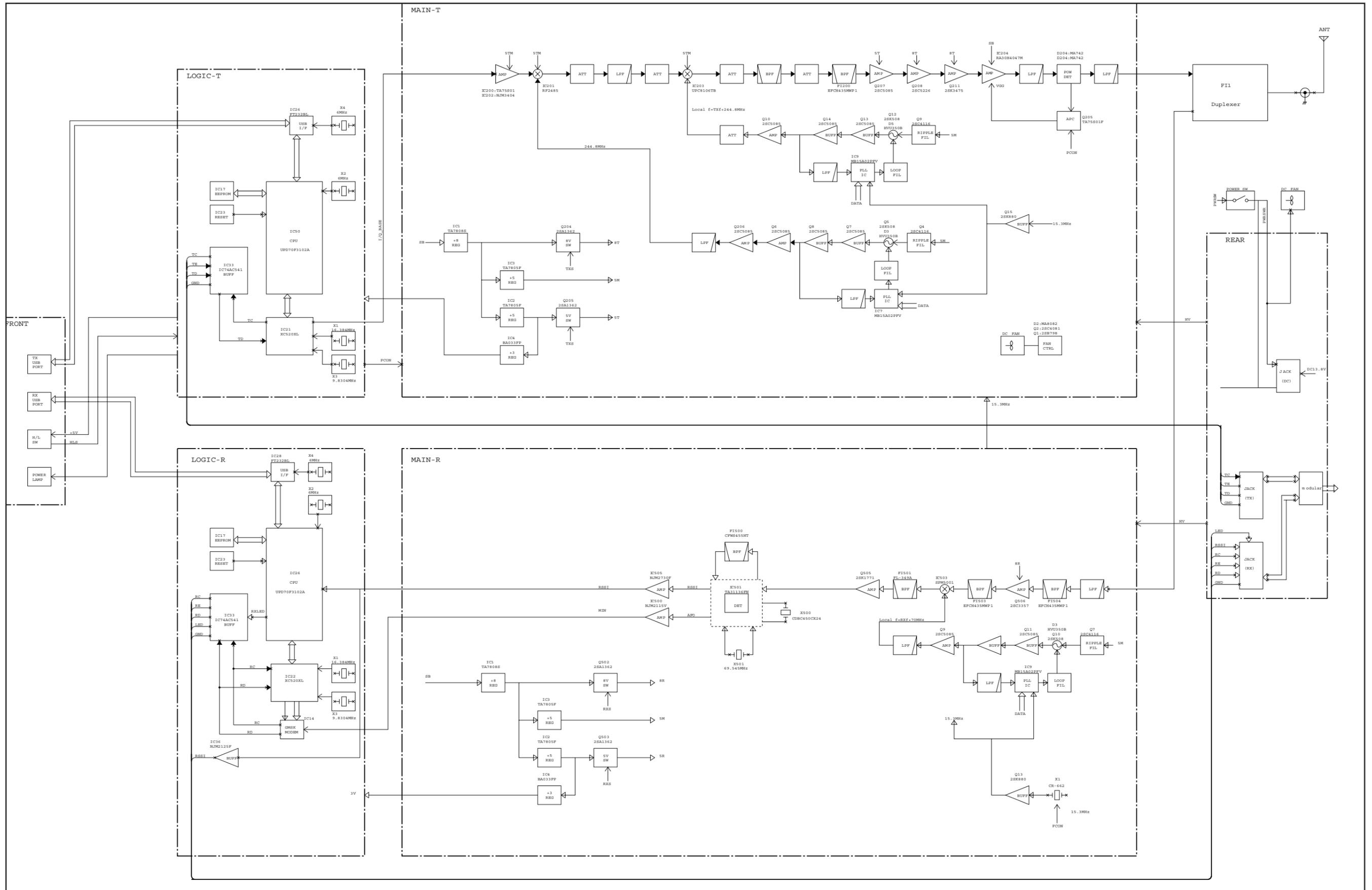
• MAIN-T



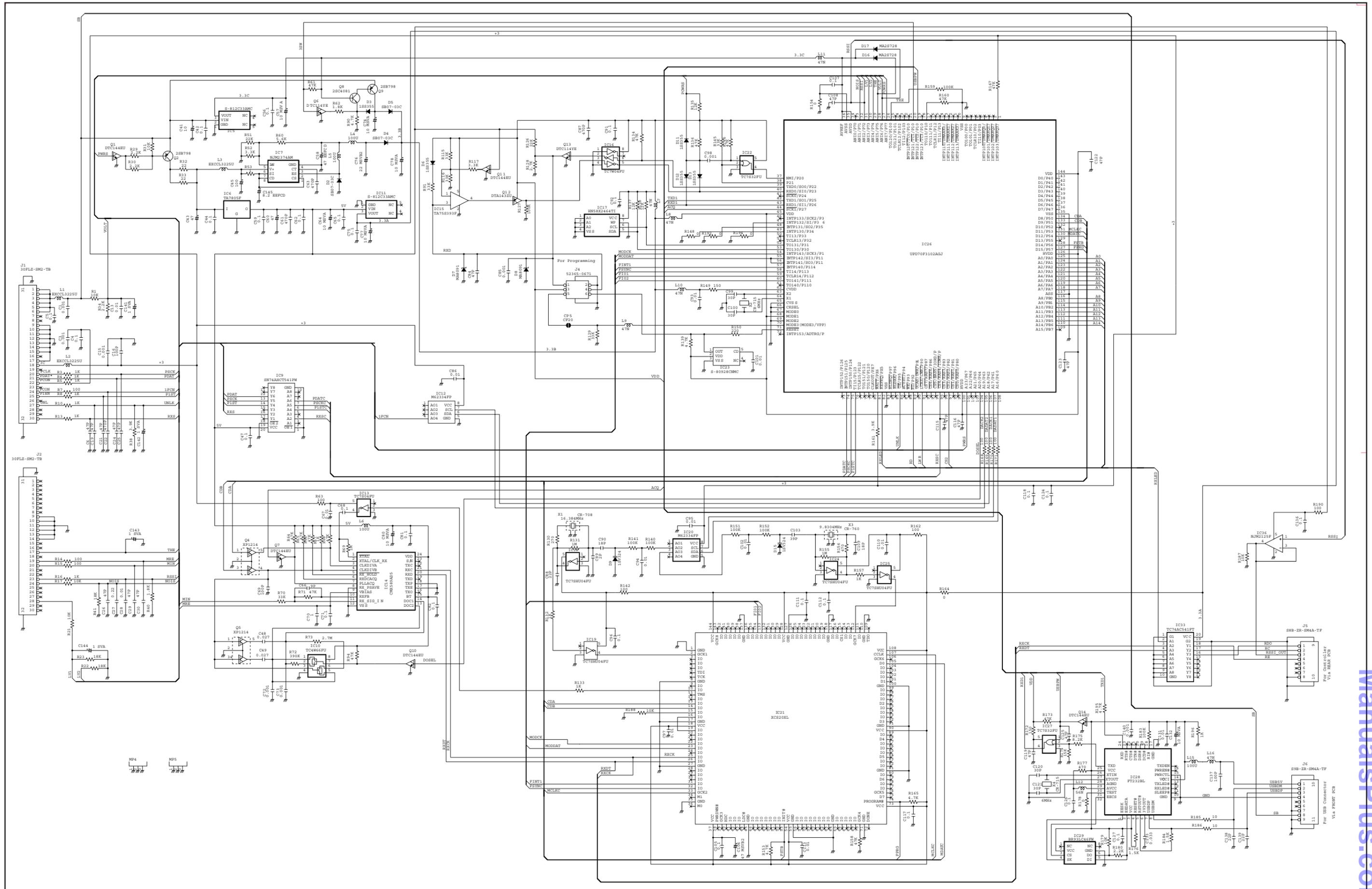
• MAIN-R

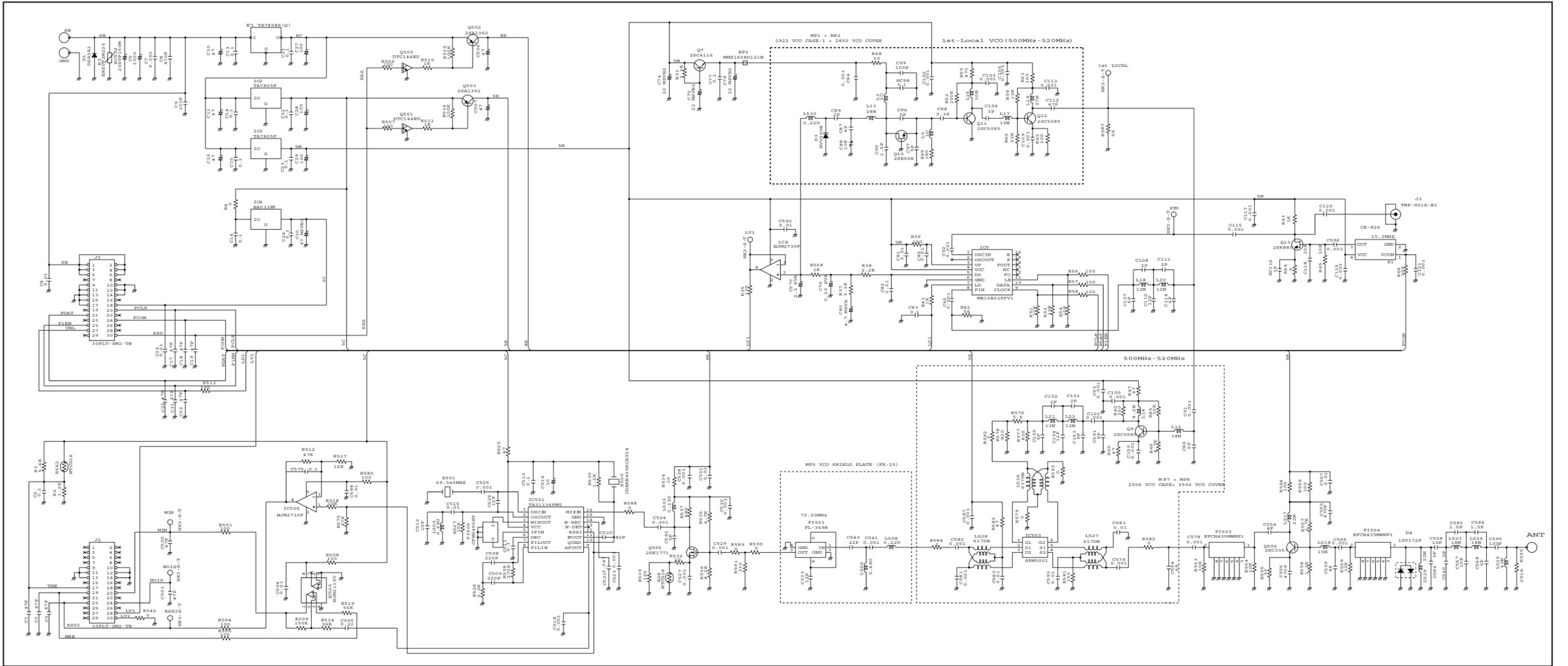


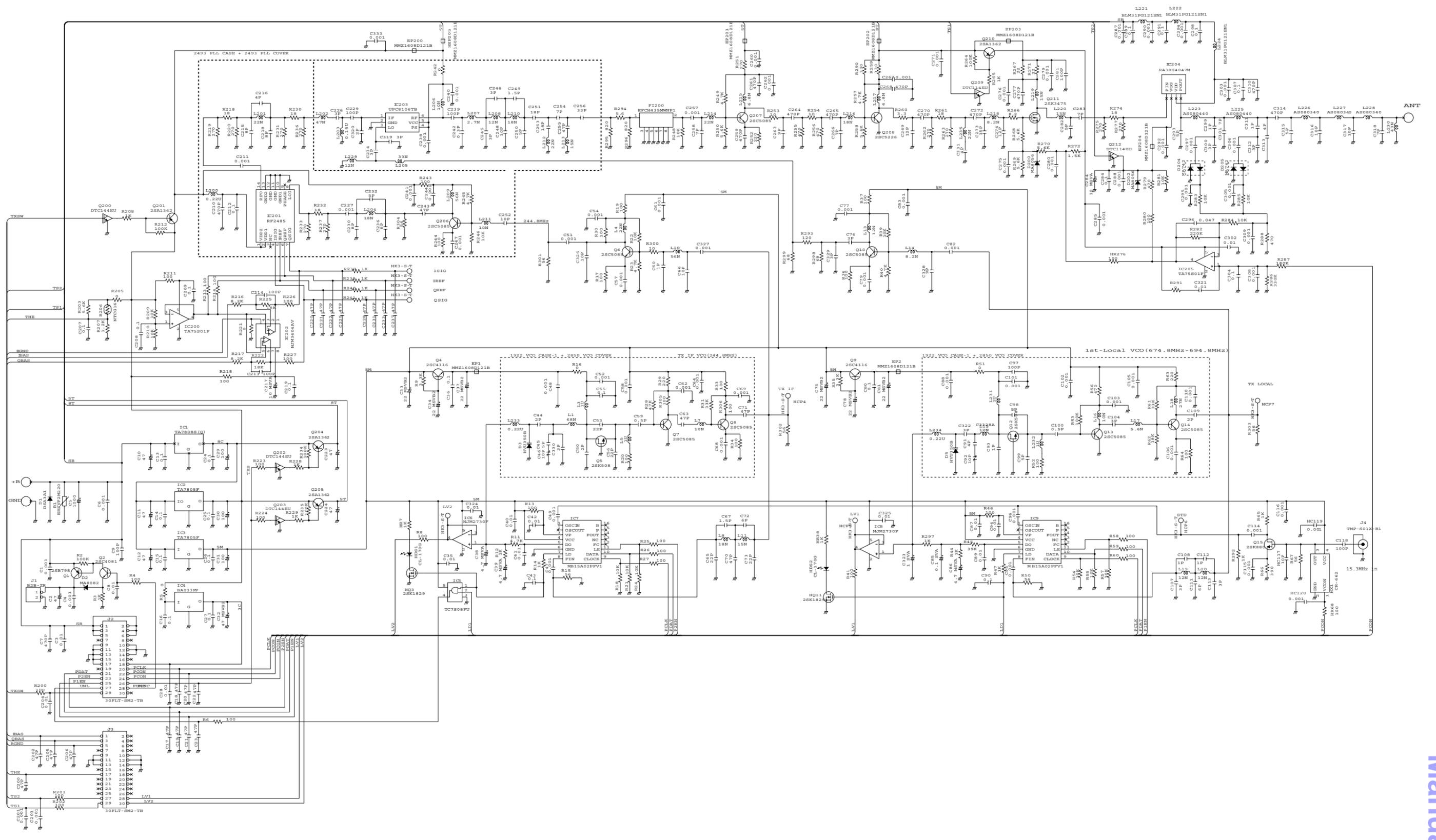
SECTION 8 BLOCK DIAGRAM



SECTION 9 VOLTAGE DIAGRAM







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