



SERVICE MANUAL

DIGITAL VOICE REPEATER

ID-RP2000V

S-14308XZ-C1
Dec. 2006

INTRODUCTION

This service manual describes the latest service information for the **ID-RP2000V** 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-RP2000V MAIN UNIT 5 pieces
 8820001210 Screw 2438 screw ID-RP2000V 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 144–148 MHz Receive 144–148 MHz
• Type of emission	: F1D* (GMSK) *F7W for system operation
• Transfer rate	: 4.8 kbps
• Frequency resolutions	: 5, 6.25 kHz
• Frequency stability	: ± 0.3 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

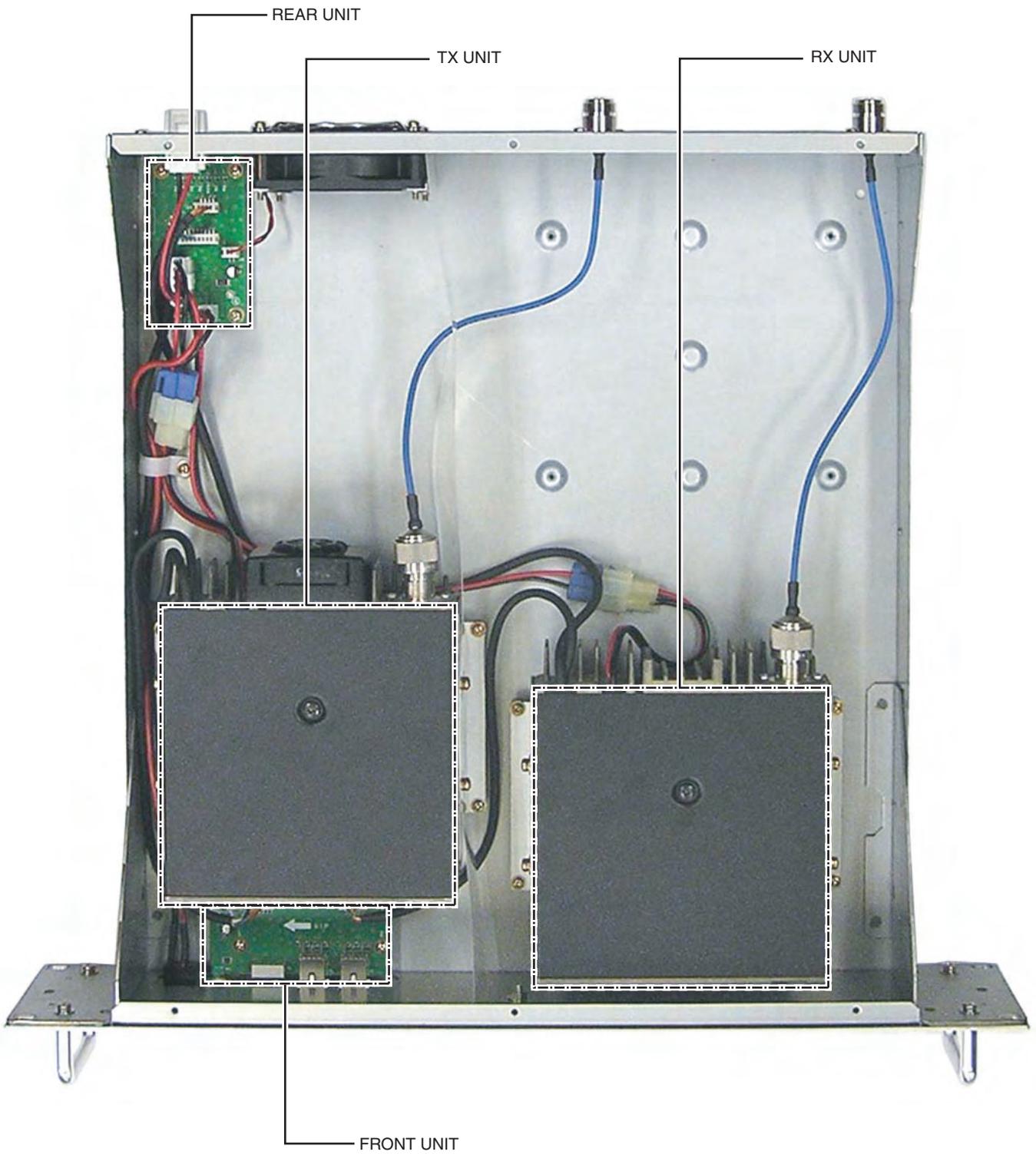
• Output power (at 13.8 V DC)	: High 23–30 W Low 2.0–3.0 W
• Modulation	: GMSK
• Modulation system	: Quadrature modulation (244.8 MHz)
• Occupied bandwidth	: Less than 5.5 kHz
• Spurious emissions	: Less than -60 dB

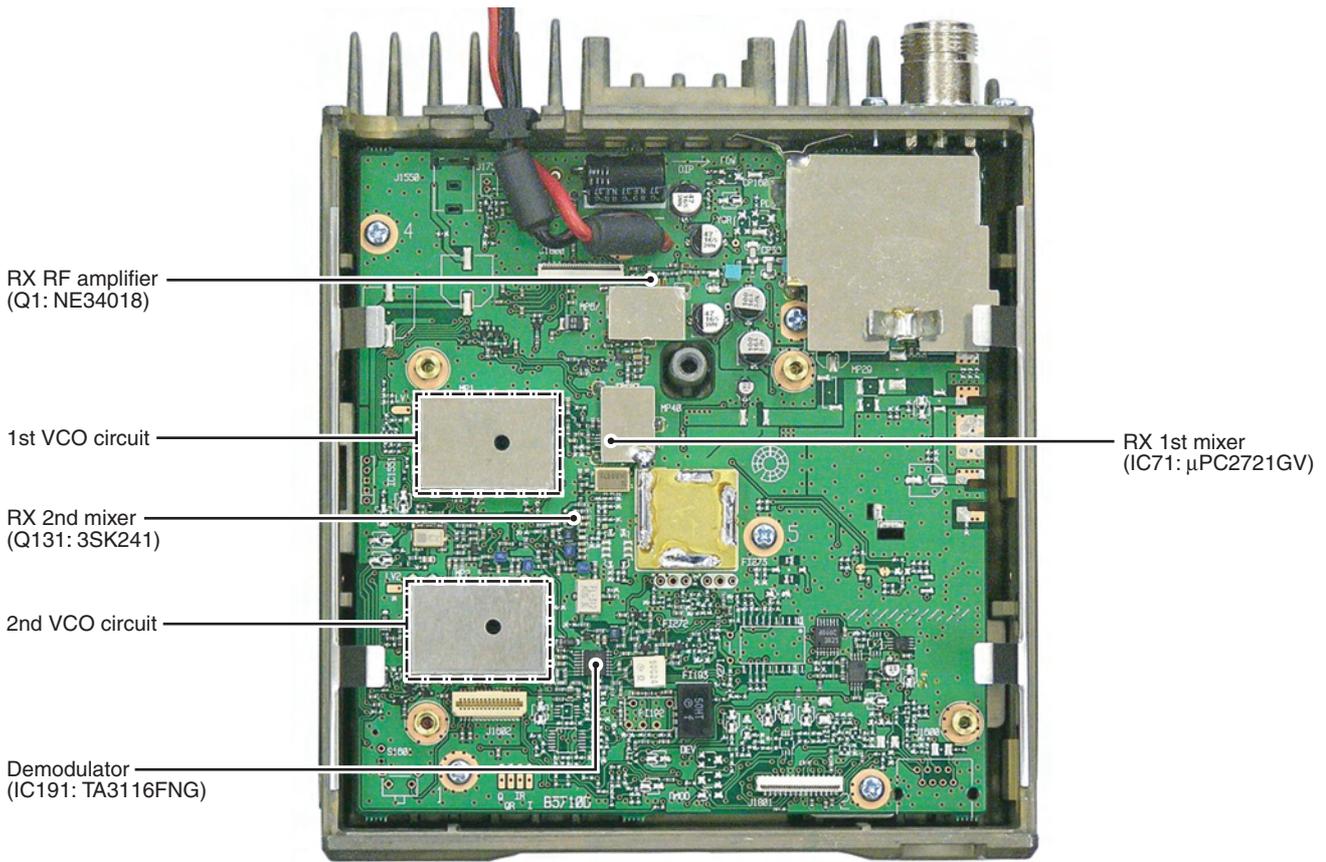
RECEIVER

• Receive system	: Double-conversion superheterodyne system
• Intermediate frequencies	: 1st 46.35 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





RX RF amplifier
(Q1: NE34018)

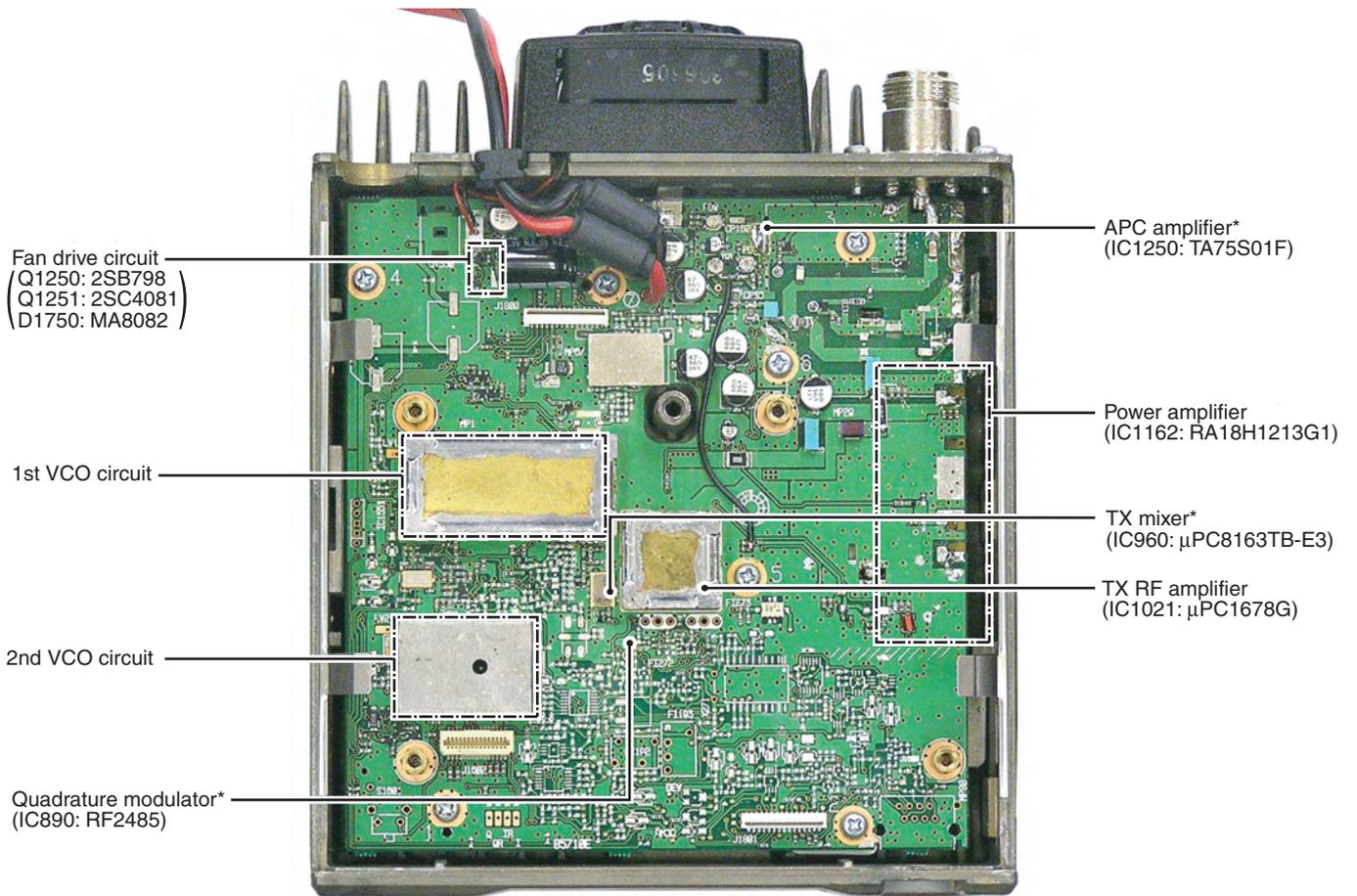
1st VCO circuit

RX 2nd mixer
(Q131: 3SK241)

2nd VCO circuit

Demodulator
(IC191: TA3116FNG)

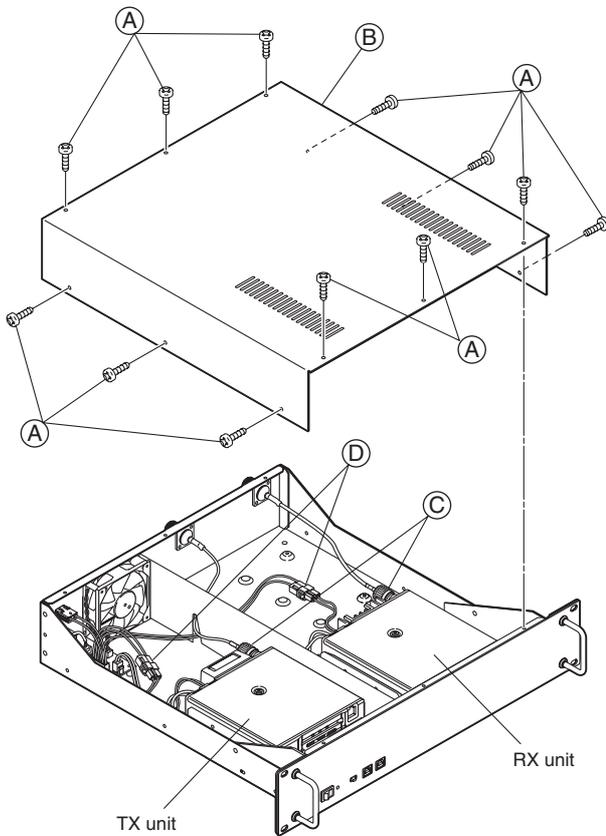
RX 1st mixer
(IC71: μPC2721GV)



SECTION 3 DISASSEMBLY INSTRUCTION

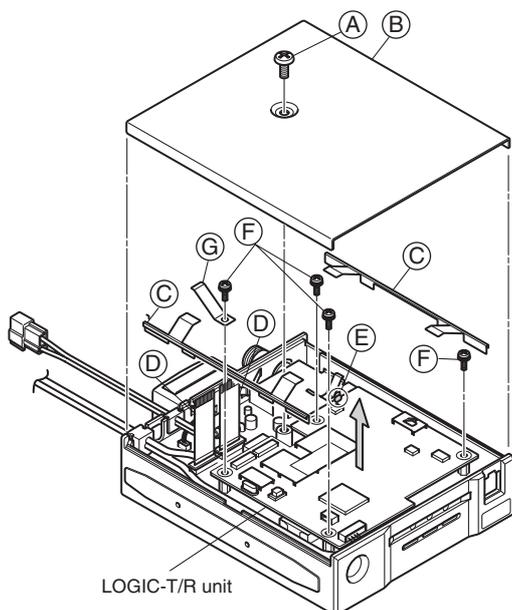
• REMOVING THE COVER

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



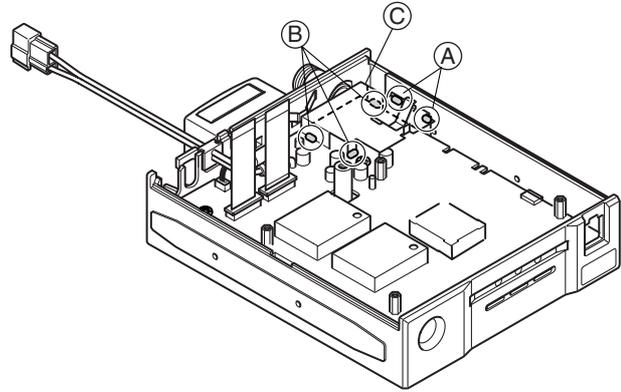
• REMOVING THE LOGIC-T/R UNIT

- 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.

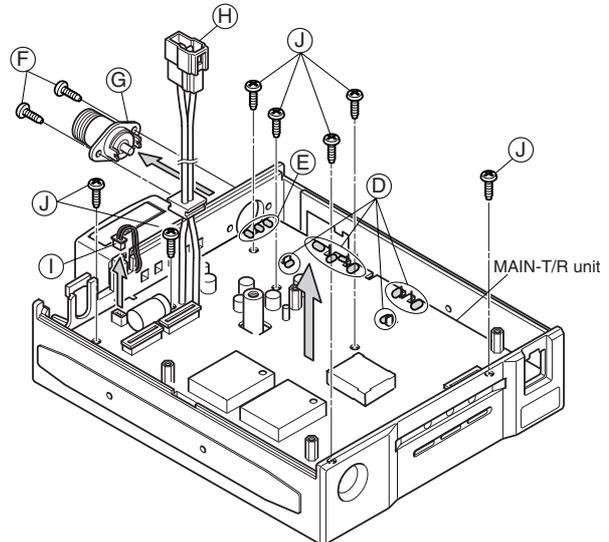


• REMOVING THE MAIN-T/R UNIT

- 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)	T	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 EEE1CS1005R	B	24.2/5.6
C42	4030011600	S.CER C1608 JB 1E 104K-T	B	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	8.8/29
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 DTC114YTE 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	7030003640	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	7.5/62.5
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 JB 1H 102K-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	T	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	0.5/110.5
IC3	1180002020	S.REG BA033FP-E2	T	13/93.5
IC4	1110005290	S.IC NJM2115V-TE1	T	78.7/25
IC5	1110006670	S.IC NJM2730F-TE1	T	78.5/14.2
IC7	1110003201	S.IC TA31136FNG (EL)	T	100.8/16
IC8	1110006670	S.IC NJM2730F-TE1	T	31.3/62.2
IC9	1140005991	S.IC MB15A02PFV1-G-BND-ERE1	T	42.7/72
IC10	1190002051	S.IC SPM5001-TL-E	T	110.3/70.6
IC11	1180001071	S.IC TA7805F (TE16L,Q)	T	67.5/110.2

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
Q1	1590000430	S.TR DTC144EUA T106	T	46.5/97.7
Q2	1590000430	S.TR DTC144EUA T106	T	31.2/97.5
Q3	1510000581	S.TR 2SA1362-GR (TE85R,F)	T	35.7/97.5
Q4	1510000581	S.TR 2SA1362-GR (TE85R,F)	T	51.5/98
Q5	1530002691	S.TR 2SC4116-GR (TE85R,F)	B	105.9/26.1
Q6	1560000670	S.FET 2SK1771 (TE85L)	T	116.1/39.5
Q7	1530002691	S.TR 2SC4116-GR (TE85R,F)	T	50/65.5
Q9	1560000491	S.FET 2SK508-T2B-A K52	T	66.6/65
Q10	1530003581	S.TR 2SC5231C8-TL-E	T	64.6/70.2
Q11	1530003581	S.TR 2SC5231C8-TL-E	T	70.2/73.5
Q12	1530002880	S.TR 2SC4226-T1 R24	T	86/68.3
Q13	1560000531	S.FET 2SK880-GR (TE85R,F)	T	10.2/31.8
Q14	1530003820	S.TR 2SC5337QS-T1	B	112.1/95.8
D1	1790000700	DIO DSA3A1	T	
D2	1720000781	S.VCP HVU350BTRF-E	T	68.5/62.4
D3	1790000491	S.DIO HSM168ASTR-E	T	109.6/31
F11	2020001460	CER CFWLA450KHFA-B0	T	
F12	2030000490	S.MLH FL-398 (46.35 MHz)	T	114.9/53.5
F13	2040001920	S.SAW SAFCH146MALON00R11	B	113.5/81.9
F14	2040001920	S.SAW SAFCH146MALON00R11	B	118.9/107.5
X1	6070000190	S.DCR CDBC450KCA24-R0	T	92.2/15.5
X2	6050012380	S.XTL CR-826 (15.3 MHz)	T	17.7/36.3
L2	6200004480	S.COL MLF1608D R82K-T	B	107.4/21.4
L3	6200003540	S.COL MLF1608D R22K-T	B	108/26
L4	6200007120	S.COL ELJND 1R0J	T	114.6/36.3
L6	6200003640	S.COL MLF1608E 100K-T	T	69.3/59.7
L7	6200009351	S.COL ELJRE R22GFA	T	57.7/66.2
L9	6200010610	S.COL C6342A-50NG-A	T	62.4/62.5
L10	6200005741	S.COL ELJRE 47NGFA	T	62.8/69.4
L12	6130003000	S.COL #617DB-1714=P3	T	110.3/65.2
L13	6200005741	S.COL ELJRE 47NGFA	T	96.8/67.4
L14	6130003000	S.COL #617DB-1714=P3	T	104.6/70.5
L15	6200005741	S.COL ELJRE 47NGFA	T	93.8/67.4
L16	6200009571	S.COL ELJRE R12GFA	T	69.9/75.5
L17	6130003000	S.COL #617DB-1714=P3	T	110.3/76
L18	6200005140	S.COL MLF1608D R33K-T	T	85.9/71.3
L19	6200005741	S.COL ELJRE 47NGFA	T	49.5/79
L20	6200005731	S.COL ELJRE 39NGFA	T	83.4/68.1
L21	6200005741	S.COL ELJRE 47NGFA	T	52.5/78.9
L22	6200010860	S.COL C2520C-R10G-A (0.1U)	B	113.5/76.6
L23	6200010860	S.COL C2520C-R10G-A (0.1U)	B	113.5/87.2
L24	6200010760	S.COL C2520C-27NG-A	B	106.6/95.8
L28	6200010720	S.COL C2520C-56NG-A	B	15.4/117.3
L30	6200010860	S.COL C2520C-R10G-A (0.1U)	B	18.9/102.3
L31	6200010860	S.COL C2520C-R10G-A (0.1U)	B	18.9/112.7
R1	7030003530	S.RES ERJ3GEYJ 562 V (5.6 k)	T	20.5/87.3
R2	7510001670	S.TMR NTCG16 4BH 103KT	T	19.2/87.2
R3	7030003450	S.RES ERJ3GEYJ 122 V (1.2 k)	T	20.5/84.5
R4	7540000280	S.ASB ERZVF2M220	B	71.2/123.7
R5	7030003860	S.RES ERJ3GE JPW V	B	36.5/109.2
R6	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	35.7/77.5
R8	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	73.1/4.7
R9	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	76/19.3
R11	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	74.8/11.8
R12	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	57.2/103.5
R13	7030003860	S.RES ERJ3GE JPW V	T	21/91.2
R14	7030003700	S.RES ERJ3GEYJ 154 V (150 k)	T	78.3/18.6
R15	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	T	74.8/14.6
R17	7030003650	S.RES ERJ3GEYJ 563 V (56 k)	T	81.1/18.6
R18	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	81.2/15.3
R19	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	74.6/28.4
R20	7030003580	S.RES ERJ3GEYJ 153 V (15 k)	T	78.2/16.6
R23	7030003650	S.RES ERJ3GEYJ 563 V (56 k)	T	75.5/23.5
R24	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	T	82.5/15.3
R25	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	78.7/11.7
R29	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	44.2/97.5
R30	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	29.2/97.2
R31	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	49/97.7
R32	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	33.2/97.2
R34	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	T	51.5/95.5
R35	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	T	35.7/95
R40	7030003480	S.RES ERJ3GEYJ 222 V (2.2 k)	B	92.3/18.7
R41	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	B	99.8/20.7
R42	7030003280	S.RES ERJ3GEYJ 470 V (47)	T	94.2/19.5
R43	7030003730	S.RES ERJ3GEYJ 274 V (270 k)	B	96.2/17.2
R45	7030003450	S.RES ERJ3GEYJ 122 V (1.2 k)	T	97.1/15.7
R46	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	B	109.3/27.8
R47	7030003780	S.RES ERJ3GEYJ 684 V (680 k)	B	106/28.5
R48	7030003200	S.RES ERJ3GEYJ 100 V (10)	T	108.4/39
R49	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	119.7/40.4
R50	7030003520	S.RES ERJ3GEYJ 472 V (4.7 k)	T	114.4/34.2

[MAIN-R UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
R51	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	48/65.5
R52	7030003520	S.RES ERJ3GEYJ 472 V (4.7 k)	T	113.6/39.7
R53	7030003550	S.RES ERJ3GEYJ 822 V (8.2 k)	T	116.1/42.7
R55	7030003860	S.RES ERJ3GE JPW V	T	111.7/945
R56	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	34.5/57.2
R57	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	40.2/62
R58	7030003500	S.RES ERJ3GEYJ 332 V (3.3 k)	T	36.3/62.1
R59	7030003480	S.RES ERJ3GEYJ 222 V (2.2 k)	T	41.4/64.2
R60	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	47.9/71.6
R61	7030003450	S.RES ERJ3GEYJ 122 V (1.2 k)	T	71.4/67.7
R62	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	42.5/76
R63	7030003200	S.RES ERJ3GEYJ 100 V (10)	T	105.6/64.8
R64	7030003400	S.RES ERJ3GEYJ 101 V (100)	T	103.6/64.1
R65	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	T	64.7/68.5
R66	7030003400	S.RES ERJ3GEYJ 471 V (470)	T	103.6/65.6
R67	7030003290	S.RES ERJ3GEYJ 560 V (56)	T	47.2/76.9
R68	7030003400	S.RES ERJ3GEYJ 471 V (470)	T	61.5/72.4
R69	7030003400	S.RES ERJ3GEYJ 471 V (470)	T	67.2/69.8
R70	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	99.1/65.3
R71	7030003230	S.RES ERJ3GEYJ 180 V (18)	T	99.9/67.4
R72	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	100.6/65.3
R73	7030003860	S.RES ERJ3GE JPW V	T	102.5/67.4
R74	7030003280	S.RES ERJ3GEYJ 470 V (47)	T	116/66.5
R75	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	T	67.9/73.4
R76	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	65.7/74.1
R77	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	72.2/70.8
R78	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	35.7/76.2
R79	7030003860	S.RES ERJ3GE JPW V	T	104.8/74.2
R80	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	35.8/73.7
R81	7030003860	S.RES ERJ3GE JPW V	T	103.4/74.1
R82	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	35.8/71.3
R83	7030003280	S.RES ERJ3GEYJ 470 V (47)	T	86.1/74.6
R84	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	35.7/70
R85	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	35.8/72.5
R86	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	35.7/75
R87	7030003340	S.RES ERJ3GEYJ 151 V (150)	T	106.7/75
R88	7030003860	S.RES ERJ3GE JPW V	T	88.4/68.8
R89	7030003290	S.RES ERJ3GEYJ 560 V (56)	B	80/73.4
R90	7030003280	S.RES ERJ3GEYJ 470 V (47)	T	86.6/65.1
R91	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	84.4/71.5
R92	7030003200	S.RES ERJ3GEYJ 100 V (10)	T	114.4/73.6
R93	7030003400	S.RES ERJ3GEYJ 471 V (470)	T	113.6/71.3
R94	7030003400	S.RES ERJ3GEYJ 471 V (470)	T	115.1/71.3
R95	7030000240	S.RES MCR10EZHZ 68 (680)	B	116.8/92.2
R96	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	9.2/27.2
R97	7030003860	S.RES ERJ3GE JPW V	T	7/32.5
R98	7030003860	S.RES ERJ3GE JPW V	B	110.5/91.5
R99	7030000240	S.RES MCR10EZHZ 68 (680)	B	11.8/100.8
R100	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	14.1/31
R101	7030000180	S.RES MCR10EZHZ 22 (220)	B	103.1/98.4
R102	7030003400	S.RES ERJ3GEYJ 471 V (470)	B	107.2/98.4
R103	7030003500	S.RES ERJ3GEYJ 332 V (3.3 k)	B	115.8/100
R104	7030003500	S.RES ERJ3GEYJ 332 V (3.3 k)	B	116.6/95.8
R105	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	19/39.6
R106	7030003860	S.RES ERJ3GE JPW V	T	64.7/72.7
R107	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	114.3/45.8
R108	7030003860	S.RES ERJ3GE JPW V	B	18.9/124.1
R115	7030003360	S.RES ERJ3GEYJ 221 V (220)	B	111.5/63.3
C1	4030007090	S.CER C1608 CH 1H 470J-T	B	44.7/106.2
C2	4030007090	S.CER C1608 CH 1H 470J-T	B	43.2/106.2
C3	4030011600	S.CER C1608 JB 1E 104K-T	T	19.2/84.5
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
C7	4510004601	ELE 16 ME 1000 HC+T0		
C8	4030006860	S.CER C1608 JB 1H 102K-T	B	57.9/124.2
C9	4030006900	S.CER C1608 JB 1H 103K-T	B	22/112.2
C10	4030007090	S.CER C1608 CH 1H 470J-T	B	20.5/106.2
C11	4030006850	S.CER C1608 JB 1H 471K-T	B	56.2/124.2
C12	4030007090	S.CER C1608 CH 1H 470J-T	B	42.7/112
C13	4030007090	S.CER C1608 CH 1H 470J-T	B	40.7/112
C14	4030007090	S.CER C1608 CH 1H 470J-T	B	20.7/112.2
C15	4030007090	S.CER C1608 CH 1H 470J-T	B	18/106.2
C16	4030007130	S.CER C1608 CH 1H 101J-T	B	54.5/124.2
C17	4030007090	S.CER C1608 CH 1H 470J-T	B	18.7/112.2
C18	4030007090	S.CER C1608 CH 1H 470J-T	B	16.7/106.2
C19	4030007090	S.CER C1608 CH 1H 470J-T	B	15.7/112.2
C20	4510008520	S.ELE EEE1CA470SP	T	22.2/114.2
C21	4510008520	S.ELE EEE1CA470SP	T	63.5/99
C22	4510008520	S.ELE EEE1CA470SP	T	78/99
C23	4030008630	S.CER C1608 JF 1H 104Z-T	B	28.5/114.7
C24	4030008630	S.CER C1608 JF 1H 104Z-T	B	63/106.2
C25	4030011600	S.CER C1608 JB 1E 104K-T	T	76/106.5
C26	4030011600	S.CER C1608 JB 1E 104K-T	T	18.7/92
C27	4030006900	S.CER C1608 JB 1H 103K-T	T	76.6/29.1
C28	4030008630	S.CER C1608 JF 1H 104Z-T	B	8.7/114.7
C29	4030008630	S.CER C1608 JF 1H 104Z-T	B	72/106.2
C30	4030011600	S.CER C1608 JB 1E 104K-T	T	5.2/106.5
C31	4030011600	S.CER C1608 JB 1E 104K-T	T	18.7/95
C32	4030011600	S.CER C1608 JB 1E 104K-T	T	76.1/14.6

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
C34	4510008590	S.ELE EEE1AA101SP	T	42.5/114
C35	4510008590	S.ELE EEE1AA101SP	T	70.7/99
C36	4510008590	S.ELE EEE1AA101SP	T	0.2/108.2
C37	4550006780	S.TAN TEESVB2 0J 476M8R	T	14.5/99
C38	4030011810	S.CER C1608 JB 1A 224K-T	T	83.8/18.6
C39	4030006900	S.CER C1608 JB 1H 103K-T	T	81.2/12.3
C42	4510008520	S.ELE EEE1CA470SP	T	54/89.5
C43	4510008520	S.ELE EEE1CA470SP	T	42/92.2
C44	4030007170	S.CER C1608 CH 1H 221J-T	B	94.3/16.5
C45	4030007170	S.CER C1608 CH 1H 221J-T	B	94.3/18
C47	4030011600	S.CER C1608 JB 1E 104K-T	T	99/21.5
C48	4030009530	S.CER C1608 CH 1H 030B-T	B	05.1/20.6
C49	4030011600	S.CER C1608 JB 1E 104K-T	T	101/21.5
C51	4550007520	S.TAN F931A106MAABMA	T	05.5/17.7
C52	4030006860	S.CER C1608 JB 1H 102K-T	B	95.2/9.8
C53	4030006860	S.CER C1608 JB 1H 102K-T	B	110/25.5
C54	4030006980	S.CER C1608 CH 1H 070D-T	B	08.9/21.4
C55	4030006860	S.CER C1608 JB 1H 102K-T	B	108/29.3
C56	4030009910	S.CER C1608 CH 1H 040B-T	B	05.9/22.9
C57	4030007120	S.CER C1608 CH 1H 820J-T	T	99/11
C58	4030008920	S.CER C1608 JB 1H 473K-T	B	01.8/12.8
C59	4030006860	S.CER C1608 JB 1H 102K-T	B	00.3/12.8
C60	4030007130	S.CER C1608 CH 1H 101J-T	T	15.1/31.8
C61	4550006350	S.TAN TEESVB2 1A 226M8R	T	45.7/60.7
C62	4030006860	S.CER C1608 JB 1H 102K-T	T	19.7/38.6
C63	4030006860	S.CER C1608 JB 1H 102K-T	T	06.1/39.7
C64	4550006350	S.TAN TEESVB2 1A 226M8R	T	49.2/60.7
C65	4030006860	S.CER C1608 JB 1H 102K-T	T	13.6/43.1
C66	4030006900	S.CER C1608 JB 1H 103K-T	T	04.6/39.7
C67	4030011600	S.CER C1608 JB 1E 104K-T	T	52.7/64.7
C68	4030006860	S.CER C1608 JB 1H 102K-T	T	10.6/39.7
C69	4550006350	S.TAN TEESVB2 1A 226M8R	T	52.7/60.7
C70	4030006900	S.CER C1608 JB 1H 103K-T	T	12.1/39.7
C71	4030009530	S.CER C1608 CH 1H 030B-T	T	14.3/47.3
C72	4030006900	S.CER C1608 JB 1H 103K-T	T	32.3/59.1
C74	4550002890	S.TAN TEESVA 1A 225M8R	T	29.5/65.5
C75	4030007060	S.CER C1608 CH 1H 270J-T	T	09.8/53.5
C77	4030006860	S.CER C1608 JB 1H 102K-T	B	57.2/61.9
C78	4030009350	S.CER C1608 CH 1H 3R5B-T	T	66.3/61.3
C79	4550000550	S.TAN TEESVA 1V 224M8R	T	37.3/65.5
C80	4030007010	S.CER C1608 CH 1H 100D-T	T	66.3/62.6
C81	4610001590	S.TRI TZC3R100A110R00	T	72/63.2
C82	4550003220	S.TAN TEESVA 1E 105M8R	T	59/61.1
C83	4550005980	S.TAN TEESVA 1A 475M8R	T	35/65.5
C84	4030006980	S.CER C1608 CH 1H 070D-T	B	114.8/64
C85	4030006860	S.CER C1608 JB 1H 102K-T	T	58.9/69
C87	4030009910	S.CER C1608 CH 1H 040B-T	T	69.1/65.7
C88	4030007040	S.CER C1608 CH 1H 180J-T	T	70.2/67.7
C89	4030006900	S.CER C1608 JB 1H 103K-T	T	41.4/66.8
C90	4030011600	S.CER C1608 JB 1E 104K-T	T	57.7/69
C91	4030006860	S.CER C1608 JB 1H 102K-T	B	06.4/63.3
C92	4030006900	S.CER C1608 JB 1H 103K-T	T	50/72.4
C93	4030011600	S.CER C1608 JB 1E 104K-T	T	42.5/77.5
C94	4030009500	S.CER C1608 CH 1H 0R5B-T	T	67.3/68.5
C95	4030006900	S.CER C1608 JB 1H 103K-T	T	50/71
C96	4030006860	S.CER C1608 JB 1H 102K-T	T	59.5/72.9
C97	4030009920	S.CER C1608 CH 1H 050B-T	T	47.8/68.8
C98	4030006860	S.CER C1608 JB 1H 102K-T	T	45.8/76.9
C99	4030006860	S.CER C1608 JB 1H 102K-T	T	107/64.8
C101	4030006860	S.CER C1608 JB 1H 102K-T	T	45.7/67.8
C102	4030006860	S.CER C1608 JB 1H 102K-T	T	14.1/62.8
C103	4030006860	S.CER C1608 JB 1H 102K-T	T	116.7/69
C104	4030006860	S.CER C1608 JB 1H 102K-T	T	59.5/71.7
C105	4030007050	S.CER C1608 CH 1H 220J-T	T	62.8/72
C106	4030006900	S.CER C1608 JB 1H 103K-T	T	116/65.1
C107	4030006860	S.CER C1608 JB 1H 102K-T	T	63.5/75
C108	4030006980	S.CER C1608 CH 1H 070D-T	T	97.6/65.3
C109	4030009910	S.CER C1608 CH 1H 040B-T	T	96.8/68.6
C110	4030007040	S.CER C1608 CH 1H 180J-T	T	96.1/65.3
C111	4030009910	S.CER C1608 CH 1H 040B-T	T	93.8/68.6
C112	4030006860	S.CER C1608 JB 1H 102K-T	T	67.2/75.5
C113	4030007010	S.CER C1608 CH 1H 100D-T	T	72.2/74.7
C114	4030006980	S.CER C1608 CH 1H 070D-T	T	93/65.2
C115	4030006860	S.CER C1608 JB 1H 102K-T	T	70.8/70.8
C116	4030006900	S.CER C1608 JB 1H 103K-T	T	06.7/76.4
C117	4030007070	S.CER C1608 CH 1H 330J-T	T	91/68.8
C118	4030006860	S.CER C1608 JB 1H 102K-T	T	88.1/65.1
C119	4030006900	S.CER C1608 JB 1H 103K-T	T	06.8/78.1
C120	4030006860	S.CER C1608 JB 1H 102K-T	T	13.6/75.8
C121	4030006980	S.CER C1608 CH 1H 070D-T	T	48.7/77
C122	4030006950	S.CER C1608 CH 1H 040C-T	T	49.5/80.2
C123	4030007040	S.CER C1608 CH 1H 180J-T	T	51.8/77
C124	4030006860	S.CER C1608 JB 1H 102K-T	T	88.4/73.8
C125	4030006950	S.CER C1608 CH 1H 040C-T	T	52.5/80.2
C126	4030006860	S.CER C1608 JB 1H 102K-T	B	14.2/73.5
C127	4030006980	S.CER C1608 CH 1H 070D-T	T	53.3/77
C128	4030007050	S.CER C1608 CH 1H 220J-T	T	82.6/65.8
C129	4030007040	S.CER C1608 CH 1H 180J-T	B	11.2/73.5
C130	4030007020	S.CER C1608 CH 1H 120J-T	B	110.2/78
C131	4030006860	S.CER C1608 JB 1H 102K-T	T	8.5/29.5
C132	4030006860	S.CER C1608 JB 1H 102K-T	T	10.7/27.2

[MAIN-R UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
C133	4030006990	S.CER C1608 CH 1H 080D-T	B	09.6/85.9
C135	4030007090	S.CER C1608 CH 1H 470J-T	B	12.7/90.7
C136	4030007040	S.CER C1608 CH 1H 180J-T	B	09.5/88.5
C137	4030007010	S.CER C1608 CH 1H 100D-T	T	12.6/31
C138	4030006860	S.CER C1608 JB 1H 102K-T	T	7.7/27.2
C139	4030006860	S.CER C1608 JB 1H 102K-T	B	16.6/94.3
C140	4030006860	S.CER C1608 JB 1H 102K-T	B	3.9/100.8
C141	4030006860	S.CER C1608 JB 1H 102K-T	T	22.4/35
C142	4030006860	S.CER C1608 JB 1H 102K-T	B	2.1/100.8
C143	4030006860	S.CER C1608 JB 1H 102K-T	B	9.8/101.5
C144	4030007130	S.CER C1608 CH 1H 101J-T	B	16.6/97.8
C145	4030006860	S.CER C1608 JB 1H 102K-T	B	0.6/100.8
C146	4030006860	S.CER C1608 JB 1H 102K-T	B	8.3/101.5
C147	4030006990	S.CER C1608 CH 1H 080D-T	B	19.6/99.3
C151	4030006860	S.CER C1608 JB 1H 102K-T	T	19/41.1
C159	4030007060	S.CER C1608 CH 1H 270J-T	B	18.9/116.5
C160	4030007060	S.CER C1608 CH 1H 270J-T	B	118.9/119.5
C163	4030007030	S.CER C1608 CH 1H 150J-T	B	114.9/114
C164	4030007020	S.CER C1608 CH 1H 120J-T	B	114.9/111.3
C165	4030007020	S.CER C1608 CH 1H 120J-T	B	114.9/103.7
C166	4030006860	S.CER C1608 JB 1H 102K-T	T	82.7/70.4
C167	4030007100	S.CER C1608 CH 1H 560J-T	B	108.7/23.8
C168	4030006850	S.CER C1608 JB 1H 471K-T	T	78.3/20.1
C169	4030006860	S.CER C1608 JB 1H 102K-T	T	112.9/31
C170	4030006860	S.CER C1608 JB 1H 102K-T	T	15.6/32.5
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	7.7/113.2
IC3	1180001071	S.IC TA7805F (TE16L,Q)	T	77.7/106
IC4	1180002020	S.REG BA033FP-E2	T	15.7/95.5
IC5	1110005410	S.IC RF2485 <1A>	T	68.2/25.2
IC6	1110005600	S.IC PC2758TB-E3	T	66/42.1
IC7	1110004050	S.IC NJM3404AV-TE1-#FMZB	B	82.5/26.3
IC8	1130006551	S.IC TC7S08FU (TE85R,F)	B	25.3/62
IC9	1110006670	S.IC NJM2730F-TE1	B	43/23.7
IC10	1140005991	S.IC MB15A02PFV1-G-BND-ERE1	B	35.2/28.7
IC11	1110006670	S.IC NJM2730F-TE1	B	43.5/46.4
IC12	1140005991	S.IC MB15A02PFV1-G-BND-ERE1	B	34.7/52.5
IC13	1110002751	S.IC TA75S01F (TE85R,F)	T	105.5/78
IC14	1110002751	S.IC TA75S01F (TE85R,F)	B	87.7/26.4
Q1	1520000201	S.TR 2SB798-T2-AZ DK	T	8/126.5
Q2	1590000430	S.TR DTC144EUA T106	T	61.2/14
Q3	1510000581	S.TR 2SA1362-GR (TE85R,F)	T	65.9/15.7
Q4	1530002280	S.TR 2SC4081 T106 S	T	7.2/120.7
Q5	1510000581	S.TR 2SA1362-GR (TE85R,F)	T	45/93.6
Q6	1590000430	S.TR DTC144EUA T106	T	40.2/92
Q7	1590000430	S.TR DTC144EUA T106	T	50.8/91.9
Q8	1510000581	S.TR 2SA1362-GR (TE85R,F)	T	55.3/93.5
Q9	1530003231	S.TR 2SC5085-Y (TE85R,F)	T	65.5/33.6
Q10	1530002691	S.TR 2SC4116-GR (TE85R,F)	T	30.7/16.2
Q12	1560000491	S.FET 2SK508-T2B-A K52	T	39.3/26.8
Q13	1530002561	S.TR 2SC4403-3-TL-E	B	74.8/73.8
Q14	1530003231	S.TR 2SC5085-Y (TE85R,F)	T	53.8/26
Q15	1530003231	S.TR 2SC5085-Y (TE85R,F)	T	32.5/31.7
Q16	1530003231	S.TR 2SC5085-Y (TE85R,F)	T	40.8/34.7
Q18	1530003431	S.TR 2SC5226-4-TL-E	B	88.3/65.9
Q19	1530002561	S.TR 2SC4403-3-TL-E	T	51.8/50.4
Q20	1530002691	S.TR 2SC4116-GR (TE85R,F)	T	20.4/49.7
Q21	1510000581	S.TR 2SA1362-GR (TE85R,F)	T	92.7/79.5
Q22	1590000680	S.FET DTC114EUA T106	T	90.2/74.7
Q23	1560000491	S.FET 2SK508-T2B-A K52	T	39.8/51.9
Q24	1560001161	S.FET 2SK3475 (TE12L,F)	T	105.7/61.4
Q25	1530002561	S.TR 2SC4403-3-TL-E	T	32.3/55.6
Q26	1590000680	S.FET DTC114EUA T106	T	109/72.5
Q27	1530002561	S.TR 2SC4403-3-TL-E	T	40.5/57.7
Q28	1560000531	S.FET 2SK880-GR (TE85R,F)	T	7.6/27.2
D1	1790000700	DIO DSA3A1		
D2	1730002300	S.ZEN MA8082-M (TX)	T	4.3/125.4

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
D4	1720000811	S.VCP HVC358BTRF-E	T	39.7/48.5
D5	1790000950	S.ZEN MA8056-M (TX)	T	97.5/64.2
D6	1790000980	S.DIO MA742 (TX)	T	100.6/97.4
D8	1790000950	S.ZEN MA8056-M (TX)	T	113.7/72.4
D9	1790000980	S.DIO MA742 (TX)	T	96.3/100.4
F11	2040001920	S.SAW SAFCH146MAL0N00R11	B	60.7/70.7
L1	6200005701	S.COL ELJRE 22NGFA	T	60.8/25.9
L2	6200009351	S.COL ELJRE R22GFA	B	66.7/22.7
L3	6200006981	S.COL ELJRE R10GFA	T	62.7/40.4
L5	6200006671	S.COL ELJRE 68NGFA	T	63.5/46
L7	6200005691	S.COL ELJRE 18NGFA	T	73/34
L8	6200005741	S.COL ELJRE 47NGFA	T	68.8/40.3
L9	6200005731	S.COL ELJRE 39NGFA	T	72/44.8
L10	6200006991	S.COL ELJRE 56NGFA	T	67.5/34.7
L11	6200005731	S.COL ELJRE 39NGFA	T	71.1/48.9
L12	6200005721	S.COL ELJRE 33NGFA	T	67.9/50.4
L13	6200005721	S.COL ELJRE 33NGFA	T	63.5/49.6
L14	6200005721	S.COL ELJRE 33NGFA	T	63.5/51.3
L15	6200005661	S.COL ELJRE 10NGFA	T	63.2/36.3
L16	6200009351	S.COL ELJRE R22GFA	T	39/20.6
L17	6200010730	S.COL C2520C-68NG-A	T	34/24.3
L18	6200007770	S.COL LQW2BHN1R10J03L	B	60.7/64.1
L19	6200007120	S.COL ELJND 1R0J	T	31/27.8
L20	6200007120	S.COL ELJND 1R0J	T	39.3/30.9
L21	6200007770	S.COL LQW2BHN1R10J03L	B	63.7/74.7
L22	6200005741	S.COL ELJRE 47NGFA	B	71.6/73.2
L23	6200006671	S.COL ELJRE 68NGFA	B	78.7/72
L24	6200005701	S.COL ELJRE 22NGFA	T	52.3/29.8
L25	6200006991	S.COL ELJRE 56NGFA	T	50/29.2
L26	6200005661	S.COL ELJRE 10NGFA	T	35.2/33.5
L27	6200005721	S.COL ELJRE 33NGFA	B	39.5/34.9
L28	6200005721	S.COL ELJRE 33NGFA	B	42.3/34.8
L29	6200006671	S.COL ELJRE 68NGFA	B	85.4/69.8
L30	6200005691	S.COL ELJRE 18NGFA	B	86.9/63.3
L31	6200005691	S.COL ELJRE 18NGFA	T	50.7/43
L32	6200005691	S.COL ELJRE 18NGFA	T	50.7/46.1
L33	6200005741	S.COL ELJRE 47NGFA	T	53.8/51.2
L34	6200009351	S.COL ELJRE R22GFA	T	39.7/44.5
L35	6200005701	S.COL ELJRE 22NGFA	T	98.8/56.6
L36	6200005701	S.COL ELJRE 22NGFA	T	101/57.4
L37	6200004150	S.COL MLF1608D 47NM-T	T	51/54.2
L38	6200009380	S.COL C6328A-43NG-A	T	34.3/48.1
L39	6200007350	S.COL ELJND R39J	T	30.5/48.6
L40	6200005711	S.COL ELJRE 27NGFA	T	108.9/58.3
L41	6200007820	S.COL ELJND R33J	T	43.2/53.8
L42	6200006671	S.COL ELJRE 68NGFA	T	30.2/56
L43	6200005661	S.COL ELJRE 10NGFA	T	36.3/56.7
L44	6200011910	S.COL BLM31PG330SN1L	T	94.8/91.2
L45	6200011910	S.COL BLM31PG330SN1L	T	103.1/91.2
L46	6200011910	S.COL BLM31PG330SN1L	T	111.8/91.2
L47	6200010170	S.COL AS080447-33N	T	112.9/99.3
L48	6200005741	S.COL ELJRE 47NGFA	T	39.2/60
L49	6200005691	S.COL ELJRE 18NGFA	B	39.5/59
L50	6200005691	S.COL ELJRE 18NGFA	B	42.2/59
L51	6200010060	S.COL AS080647-56N	T	105.4/102.9
L52	6200010050	S.COL AS080547-47N	T	116.8/112.1
L53	6200010050	S.COL AS080547-47N	T	117.1/122.7
L54	6200009380	S.COL C6328A-43NG-A	B	120.7/127.2
R1	7540000280	S.ASB ERZVF2M220	B	65.9/124.8
R2	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	T	8/123
R3	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	15.5/106.3
R4	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	40.2/105.6
R5	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	37.5/105.6
R6	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	63.5/14
R7	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	T	66/13.2
R8	7030003530	S.RES ERJ3GEYJ 562 V (5.6 k)	T	89/111.9
R9	7030003860	S.RES ERJ3GE JPW V	T	88.2/114
R10	7510001670	S.TMR NTCG16 4BH 103KT	T	89/110.3
R11	7030003450	S.RES ERJ3GEYJ 122 V (1.2 k)	T	91.8/112
R12	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	90.8/26.2
R13	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	88.8/23.3
R14	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	90.8/28.9
R16	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	9.2/120.7
R17	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	7.3/118.5
R18	7030003860	S.RES ERJ3GE JPW V	T	22.7/91
R19	7030003230	S.RES ERJ3GEYJ 180 V (18)	T	60.8/23
R20	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	62.7/22.2
R21	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	62.7/23.8
R22	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	78.2/26.9
R23	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	78.2/25.7
R24	7030003550	S.RES ERJ3GEYJ 822 V (8.2 k)	T	81.8/30.6
R25	7030003860	S.RES ERJ3GE JPW V	B	86/29.2
R26	7030003590	S.RES ERJ3GEYJ 183 V (18 k)	T	81.8/28.2
R27	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	82.2/21.5
R28	7030003550	S.RES ERJ3GEYJ 822 V (8.2 k)	T	84/25
R29	7030003590	S.RES ERJ3GEYJ 183 V (18 k)	T	81.8/22.9
R30	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	38/92
R31	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	48.8/92
R32	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	16.7/106.2
R33	7030003300	S.RES ERJ3GEYJ 680 V (68)	T	60.8/28.7
R34	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	62.8/27.9
R35	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	68.7/29.5
R36	7030003230	S.RES ERJ3GEYJ 180 V (18)	T	68/30.7
R37	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	65/30.7
R38	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	74.7/30.7
R39	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	79/30
R40	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	B	70/27
R41	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	B	71.2/27
R42	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	B	75.7/24.5
R43	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	B	74.3/24.5
R44	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	78.2/24.5
R45	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	42.5/91.7
R46	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	52.8/91.7
R47	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	T	45/91
R48	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	T	55.3/91
R49	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	68.7/44
R50	7030003290	S.RES ERJ3GEYJ 560 V (56)	T	72.2/36.2
R51	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	69/34.7
R52	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	62.4/34.1
R53	7030003500	S.RES ERJ3GEYJ 332 V (3.3 k)	T	28.3/16
R55	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	44.7/20.5
R56	7030003230	S.RES ERJ3GEYJ 180 V (18)	B	64.1/59.3
R57	7030003370	S.RES ERJ3GEYJ 271 V (270)	B	61.9/58.6
R58	7030003520	S.RES ERJ3GEYJ 472 V (4.7 k)	T	65.5/37
R59	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	65.5/35.5
R60	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	31.7/29.2
R61	7030003520	S.RES ERJ3GEYJ 472 V (4.7 k)	B	38.7/30.2
R62	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	B	40.2/30.2
R63	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	B	34.5/34.2
R64	7030003370	S.RES ERJ3GEYJ 271 V (270)	B	61.9/60.1
R65	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	B	60/66.7
R66	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	52.3/28.5
R67	7030003290	S.RES ERJ3GEYJ 560 V (56)	B	56/37.1
R68	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	53/23
R69	7030003860	S.RES ERJ3GE JPW V	T	31.5/23.7
R70	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	T	32.2/29.7
R71	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	41.3/28.9
R72	7030003290	S.RES ERJ3GEYJ 560 V (56)	B	35.9/34.1
R73	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	B	39.5/24
R74	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	B	39.5/22.8
R75	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	B	33/24
R76	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	35/23.2
R77	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	36.2/23.2
R78	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	37.5/23.2
R79	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	B	60/74.2
R80	7030003550	S.RES ERJ3GEYJ 822 V (8.2 k)	B	74.6/71.2
R81	7030003540	S.RES ERJ3GEYJ 682 V (6.8 k)	B	72.4/75.4
R82	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	76.1/69.7
R83	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	75.4/76.7
R84	7030003400	S.RES ERJ3GEYJ 471 V (470)	T	51.6/31.9
R85	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	51.6/25.9
R86	7030003200	S.RES ERJ3GEYJ 100 V (10)	T	50/25.9
R87	7030003520	S.RES ERJ3GEYJ 472 V (4.7 k)	T	51.6/23
R88	7030003360	S.RES ERJ3GEYJ 221 V (220)	T	30.7/35
R89	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	30/32.7
R90	7030003620	S.RES ERJ3GEYJ 333 V (33 k)	T	38.7/34.2
R92	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	35.5/36.5
R93	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	38.6/36.5
R94	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	44.2/33.5
R95	7030003360	S.RES ERJ3GEYJ 221 V (220)	B	77.2/72
R96	7030003280	S.RES ERJ3GEYJ 470 V (47)	B	82.4/74.3
R97	7030003330	S.RES ERJ3GEYJ 121 V (120)	B	81.7/76.5
R98	7030003330	S.RES ERJ3GEYJ 121 V (120)	B	83.2/76.5
R99	7030003220	S.RES ERJ3GEYJ 150 V (15)	B	87.6/69
R100	7030003300	S.RES ERJ3GEYJ 680 V (68)	T	54.8/42.2
R101	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	55.7/39.9
R102	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	58.8/39.9
R103	7030003290	S.RES ERJ3GEYJ 560 V (56)	B	45.9/37.3
R104	7030003500	S.RES ERJ3GEYJ 332 V (3.3 k)	T	18.5/49.5
R106	7030003520	S.RES ERJ3GEYJ 472 V (4.7 k)	B	86.1/66
R107	7030003530	S.RES ERJ3GEYJ 562 V (5.6 k)	B	83.9/66.8
R108	7030003320	S.RES MCR10EZHJ 330 (331)	B	86.1/57.1
R109	7030003270	S.RES ERJ3GEYJ 390 V (39)	B	89.9/58.8
R110	7030003340	S.RES ERJ3GEYJ 151 V (150)	B	89.1/56.5
R111	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	49/48
R112	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	46.5/47.7
R113	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	B	41.8/50.5
R114	7030003340	S.RES ERJ3GEYJ 151 V (150)	B	90.6/56.5
R115	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	T	92.8/76.9
R116	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	90.2/77.7
R117	7030007860	S.RES ERJ3GEYJ 8R2V (8.2)	T	102.5/58.9
R118	7030003530	S.RES ERJ3GEYJ 562 V (5.6 k)	T	101/60.4
R119	7030003530	S.RES ERJ3GEYJ 562 V (5.6 k)	T	101/63.8
R120	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	54.6/54.7
R121	7030003600	S.RES ERJ3GEYJ 223 V (22 k)	T	51.7/52.3

[MAIN-T UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
D3	1720000781	S.VCP HVU350BTRF-E	T	34.2/21
D4	1720000811	S.VCP HVC358BTRF-E	T	39.7/48.5
D5	1790000950	S.ZEN MA8056-M (TX)	T	97.5/64.2
D6	1790000980	S.DIO MA742 (TX)	T	100.6/97.4
D8	1790000950	S.ZEN MA8056-M (TX)	T	113.7/72.4
D9	1790000980	S.DIO MA742 (TX)	T	96.3/100.4
F11	2040001920	S.SAW SAFCH146MAL0N00R11	B	60.7/70.7
L1	6200005701	S.COL ELJRE 22NGFA	T	60.8/25.9
L2	6200009351	S.COL ELJRE R22GFA	B	66.7/22.7
L3	6200006981	S.COL ELJRE R10GFA	T	62.7/40.4
L5	6200006671	S.COL ELJRE 68NGFA	T	63.5/46
L7	6200005691	S.COL ELJRE 18NGFA	T	73/34
L8	6200005			

[MAIN-T UNIT]

[MAIN-T UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
R122	7030003530	S.RES ERJ3GEYJ 562 V (5.6 k)	T	49/52.3
R123	7030003240	S.RES ERJ3GEYJ 220 V (22)	T	29.4/51
R124	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	31.2/52.8
R125	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	B	41.8/53.2
R126	7030003630	S.RES ERJ3GEYJ 393 V (39 k)	B	40.3/53.2
R127	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	B	33.7/58.7
R128	7030003290	S.RES ERJ3GEYJ 560 V (56)	B	35.7/58.2
R129	7030000180	S.RES MCR10EZHU 22 (220)	T	111.5/52.2
R130	7030003530	S.RES ERJ3GEYJ 562 V (5.6 k)	T	99.5/66.7
R131	7030000180	S.RES MCR10EZHU 22 (220)	T	113.7/52.2
R132	7030003350	S.RES ERJ3GEYJ 181 V (180)	T	110.5/58.3
R133	7030003500	S.RES ERJ3GEYJ 332 V (3.3 k)	T	99.5/69.7
R134	7030000170	S.RES MCR10EZHU 18 (180)	T	114.8/60.3
R135	7030000310	S.RES MCR10EZHU 270 (271)	T	113.6/57.4
R138	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	T	32.2/53.6
R139	7030003380	S.RES ERJ3GEYJ 331 V (330)	T	28.8/56.1
R140	7030003330	S.RES ERJ3GEYJ 121 V (120)	T	43.3/51.8
R141	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	B	39.3/47.5
R142	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	B	39.3/46
R143	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	B	33.5/46.7
R144	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	34.7/46.7
R145	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	36/46.7
R146	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	37.2/46.7
R147	7030000310	S.RES MCR10EZHU 270 (271)	T	116.1/57.4
R149	7030003400	S.RES ERJ3GEYJ 471 V (470)	T	118.5/76
R150	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	112.5/76.7
R151	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	120/76
R152	7030003720	S.RES ERJ3GEYJ 224 V (220 k)	T	105.5/74
R153	7030003620	S.RES ERJ3GEYJ 333 V (33 k)	T	99.2/99.6
R155	7030003620	S.RES ERJ3GEYJ 333 V (33 k)	T	38.5/57.8
R156	7030003340	S.RES ERJ3GEYJ 151 V (150)	T	35.5/59.3
R157	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	43.1/55.5
R158	7030003660	S.RES ERJ3GEYJ 683 V (68 k)	T	36.3/55.3
R159	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	102.7/75.5
R160	7030003620	S.RES ERJ3GEYJ 333 V (33 k)	T	97.7/97.9
R161	7030003390	S.RES ERJ3GEYJ 391 V (390)	T	99.5/76.2
R162	7030003620	S.RES ERJ3GEYJ 333 V (33 k)	T	100.5/79.3
R163	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	T	98.5/80
R164	7030003290	S.RES ERJ3GEYJ 560 V (56)	B	46.2/59.3
R165	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	5.5/28.5
R166	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	5.5/45.6
R167	7030003390	S.RES ERJ3GEYJ 391 V (390)	T	10.4/29.3
R168	7030003290	S.RES ERJ3GEYJ 560 V (56)	T	12.6/47.4
C1	4510004601	ELE 16 ME 1000 HC+T0		
C2	4030006860	S.CER C1608 JB 1H 102K-T	T	10.8/120.8
C3	4510008520	S.ELE EEE1CA470SP	T	15.5/126.7
C4	4030006860	S.CER C1608 JB 1H 102K-T	T	21/127.5
C5	4030006850	S.CER C1608 JB 1H 471K-T	B	57/124
C6	4030006900	S.CER C1608 JB 1H 103K-T	B	15.5/102.2
C7	4030006900	S.CER C1608 JB 1H 103K-T	B	27.7/108.2
C8	4030007090	S.CER C1608 CH 1H 470J-T	B	44.2/106.4
C9	4030007090	S.CER C1608 CH 1H 470J-T	B	52.5/106.2
C10	4030006860	S.CER C1608 JB 1H 102K-T	B	40.2/106.9
C11	4030007090	S.CER C1608 CH 1H 470J-T	B	51.3/106.2
C12	4030007090	S.CER C1608 CH 1H 470J-T	B	50.1/106.2
C13	4030006860	S.CER C1608 JB 1H 102K-T	B	37.5/106.9
C14	4030011600	S.CER C1608 JB 1E 104K-T	T	91.8/110.3
C15	4030011600	S.CER C1608 JB 1E 104K-T	T	90.8/23.3
C17	4030006860	S.CER C1608 JB 1H 102K-T	B	54.9/123.9
C18	4030006850	S.CER C1608 JB 1H 471K-T	B	50.9/123.9
C19	4510008520	S.ELE EEE1CA470SP	T	22.3/115.2
C20	4510008520	S.ELE EEE1CA470SP	T	65.9/115.5
C21	4030008630	S.CER C1608 JF 1H 104Z-T	B	28.2/113.7
C22	4030008630	S.CER C1608 JF 1H 104Z-T	B	74.7/113.7
C23	4030006900	S.CER C1608 JB 1H 103K-T	T	4.7/119.7
C24	4030007130	S.CER C1608 CH 1H 101J-T	B	52.9/123.9
C25	4510008520	S.ELE EEE1CA470SP	T	65.9/101
C26	4030011600	S.CER C1608 JB 1E 104K-T	B	75/106
C27	4030011600	S.CER C1608 JB 1E 104K-T	T	22/93.4
C28	4030006900	S.CER C1608 JB 1H 103K-T	B	22/112.5
C29	4030007090	S.CER C1608 CH 1H 470J-T	B	20.7/112.5
C30	4030007090	S.CER C1608 CH 1H 470J-T	B	19.3/102
C31	4030007090	S.CER C1608 CH 1H 470J-T	B	20.5/102
C32	4030006990	S.CER C1608 CH 1H 080D-T	T	62.8/25.2
C33	4030006950	S.CER C1608 CH 1H 040C-T	T	59.5/26
C34	4030006990	S.CER C1608 CH 1H 080D-T	T	62.7/26.6
C35	4030006850	S.CER C1608 JB 1H 471K-T	T	73.8/21.3
C36	4030006860	S.CER C1608 JB 1H 102K-T	T	62.7/20.7
C37	4030011600	S.CER C1608 JB 1E 104K-T	T	73.7/22.7
C38	4030011600	S.CER C1608 JB 1E 104K-T	T	88.8/26.5
C39	4030007130	S.CER C1608 CH 1H 101J-T	T	81.8/29.4
C40	4030007130	S.CER C1608 CH 1H 101J-T	T	81.8/24.2
C41	4030008630	S.CER C1608 JF 1H 104Z-T	B	38.8/113.7
C42	4030008630	S.CER C1608 JF 1H 104Z-T	B	72.5/111.7
C43	4510008590	S.ELE EEE1AA101SP	T	42.2/113.7
C44	4510008590	S.ELE EEE1AA101SP	T	66/108.3
C45	4030011600	S.CER C1608 JB 1E 104K-T	B	72.7/103.7
C46	4030011600	S.CER C1608 JB 1E 104K-T	T	22/96.9
C47	4510008590	S.ELE EEE1AA101SP	T	75.2/97.9

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
C48	4550006780	S.TAN TEESVB2 0J 476M8R	T	25.5/95.9
C49	4030007090	S.CER C1608 CH 1H 470J-T	B	19.5/112.5
C50	4030007090	S.CER C1608 CH 1H 470J-T	B	17/112.5
C52	4030007090	S.CER C1608 CH 1H 470J-T	B	18.1/102
C53	4030007090	S.CER C1608 CH 1H 470J-T	B	16.7/102.2
C54	4030006860	S.CER C1608 JB 1H 102K-T	T	85.8/38.3
C55	4030006860	S.CER C1608 JB 1H 102K-T	T	60/30.6
C56	4030007050	S.CER C1608 CH 1H 220J-T	T	60.3/41.2
C57	4030007050	S.CER C1608 CH 1H 220J-T	T	62.7/41.9
C58	4030006980	S.CER C1608 CH 1H 070D-T	T	63.5/47.8
C59	4030006860	S.CER C1608 JB 1H 102K-T	T	75.1/33.3
C60	4030006990	S.CER C1608 CH 1H 080D-T	T	74.7/36.2
C61	4030006960	S.CER C1608 CH 1H 050C-T	T	73/32.6
C62	4030007090	S.CER C1608 CH 1H 470J-T	T	74.8/25.2
C63	4030007090	S.CER C1608 CH 1H 470J-T	T	74.7/26.5
C64	4030007090	S.CER C1608 CH 1H 470J-T	T	74.8/27.7
C65	4030007090	S.CER C1608 CH 1H 470J-T	T	74.7/29
C66	4030007090	S.CER C1608 CH 1H 470J-T	B	73.5/21.5
C67	4550006250	S.TAN TEESVA 1A 106M8R	B	79.5/20.8
C68	4030011600	S.CER C1608 JB 1E 104K-T	B	82.2/20.2
C69	4510008520	S.ELE EEE1CA470SP	T	42.7/99.7
C70	4510008520	S.ELE EEE1CA470SP	T	52.8/100
C71	4030006860	S.CER C1608 JB 1H 102K-T	T	66/46.1
C72	4030006860	S.CER C1608 JB 1H 102K-T	T	67.9/46.1
C73	4030006990	S.CER C1608 CH 1H 080D-T	T	73.5/40.8
C74	4030007030	S.CER C1608 CH 1H 150J-T	T	71/41.8
C75	4030006990	S.CER C1608 CH 1H 080D-T	T	73.5/42.9
C76	4030006960	S.CER C1608 CH 1H 050C-T	T	72/46.6
C77	4030006990	S.CER C1608 CH 1H 080D-T	T	73.5/36.2
C78	4030006860	S.CER C1608 JB 1H 102K-T	T	60.2/47
C79	4030006860	S.CER C1608 JB 1H 102K-T	T	69.8/32.5
C80	4030007090	S.CER C1608 CH 1H 470J-T	T	70.4/34.7
C81	4030006860	S.CER C1608 JB 1H 102K-T	T	68.3/37
C82	4030006860	S.CER C1608 JB 1H 102K-T	T	62.4/32.9
C83	4030007090	S.CER C1608 CH 1H 470J-T	B	76.5/22.5
C84	4030007090	S.CER C1608 CH 1H 470J-T	B	72/22.9
C85	4030007090	S.CER C1608 CH 1H 470J-T	B	67.9/26.2
C86	4550006350	S.TAN TEESVB2 1A 226M8R	T	27/11.2
C87	4550006350	S.TAN TEESVB2 1A 226M8R	T	30.5/11.2
C88	4030011600	S.CER C1608 JB 1E 104K-T	T	33.7/15.2
C89	4030006900	S.CER C1608 JB 1H 103K-T	T	25.1/63.9
C90	4030007040	S.CER C1608 CH 1H 180J-T	T	73.5/48.2
C91	4030006960	S.CER C1608 CH 1H 050C-T	T	69.6/48.9
C92	4030006990	S.CER C1608 CH 1H 080D-T	T	73.5/49.7
C93	4030007020	S.CER C1608 CH 1H 120J-T	T	60.2/49.6
C94	4030007020	S.CER C1608 CH 1H 120J-T	T	66/50.4
C95	4030007020	S.CER C1608 CH 1H 120J-T	T	60.2/51.3
C96	4030007010	S.CER C1608 CH 1H 100D-T	T	61.6/36.3
C97	4550006350	S.TAN TEESVB2 1A 226M8R	T	34/11.2
C98	4030009520	S.CER C1608 CH 1H 020B-T	T	36.7/21.8
C99	4030006860	S.CER C1608 JB 1H 102K-T	T	29.2/23
C100	4030006900	S.CER C1608 JB 1H 103K-T	B	41.2/20.2
C101	4030006900	S.CER C1608 JB 1H 103K-T	B	29.8/28.5
C102	4030006900	S.CER C1608 JB 1H 103K-T	B	29.8/30
C103	4610001590	S.TRI TZC3R100A110R00	T	43/24.5
C104	4030009920	S.CER C1608 CH 1H 050B-T	T	39/23
C105	4030009530	S.CER C1608 CH 1H 030B-T	T	39/21.8
C106	4550005980	S.TAN TEESVA 1A 475M8R	B	44.3/29
C107	4550005980	S.TAN TEESVA 1A 475M8R	B	42/29
C108	4030006900	S.CER C1608 JB 1H 103K-T	B	39.5/28
C109	4030011600	S.CER C1608 JB 1E 104K-T	B	33/34.5
C110	4030006860	S.CER C1608 JB 1H 102K-T	B	37.5/34.2
C111	4030006860	S.CER C1608 JB 1H 102K-T	B	63.4/61.6
C112	4030007040	S.CER C1608 CH 1H 180J-T	B	63.4/63.1
C113	4030007010	S.CER C1608 CH 1H 100D-T	B	63.4/65
C114	4030006860	S.CER C1608 JB 1H 102K-T	T	54.6/31.1
C115	4030006860	S.CER C1608 JB 1H 102K-T	T	53.1/31.9
C116	4030007010	S.CER C1608 CH 1H 100D-T	T	55.3/28.5
C117	4030006860	S.CER C1608 JB 1H 102K-T	T	29.2/24.5
C118	4030007050	S.CER C1608 CH 1H 220J-T	T	36.5/25
C119	4030011600	S.CER C1608 JB 1E 104K-T	T	29.3/26.2
C120	4030006860	S.CER C1608 JB 1H 102K-T	T	30.7/36.5
C121	4030009500	S.CER C1608 CH 1H 0R5B-T	T	36.5/28.4
C122	4030006860	S.CER C1608 JB 1H 102K-T	B	29.7/31.7
C123	4030009520	S.CER C1608 CH 1H 020B-T	T	39/24.4
C124	4030007050	S.CER C1608 CH 1H 220J-T	T	39/29.2
C125	4030007010	S.CER C1608 CH 1H 100D-T	B	60/75.7
C126	4030007040	S.CER C1608 CH 1H 180J-T	B	66.4/75.4
C127	4030006860	S.CER C1608 JB 1H 102K-T	B	68.6/74.7
C128	4030009500	S.CER C1608 CH 1H 0R5B-T	T	69.4/72.4
C129	4030006860	S.CER C1608 JB 1H 102K-T	T	50.9/34.2
C130	4030006860	S.CER C1608 JB 1H 102K-T	T	48.5/31.9
C131	4030006860	S.CER C1608 JB 1H 102K-T	T	54.5/23
C132	4030009510	S.CER C1608 CH 1H 010B-T	T	48.5/29.2
C133	4030007010	S.CER C1608 CH 1H 100D-T	T	50/31.9
C134	4030006860	S.CER C1608 JB 1H 102K-T	T	29.2/29.9
C135	4030007090	S.CER C1608 CH 1H 470J-T	T	32.4/33.6
C136	4030006860	S.CER C1608 JB 1H 102K-T	T	32/59.8
C137	4030006860	S.CER C1608 JB 1H 102K-T	T	37.5/34.2
C138	4030007090	S.CER C1608 CH 1H 470J-T	T	42.4/36.6
C139	4030006			

[MAIN-T UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
C140	4030009530	S.CER C1608 CH 1H 030B-T	B	39.5/33.5
C141	4030009530	S.CER C1608 CH 1H 030B-T	B	42.3/33.5
C142	4030006970	S.CER C1608 CH 1H 060D-T	B	38.7/36.8
C143	4030007030	S.CER C1608 CH 1H 150J-T	B	40.2/36.9
C144	4030006860	S.CER C1608 JB 1H 102K-T	B	73.9/76.7
C145	4030007050	S.CER C1608 CH 1H 220J-T	B	79.5/74.3
C146	4030006860	S.CER C1608 JB 1H 102K-T	B	75.4/67.5
C147	4030006850	S.CER C1608 JB 1H 471K-T	B	73.9/67.5
C148	4030006860	S.CER C1608 JB 1H 102K-T	B	84.7/73.5
C149	4030007020	S.CER C1608 CH 1H 120J-T	B	85.4/71.3
C150	4550006350	S.TAN TEESVB2 1A 226M8R	T	16.4/44.7
C151	4030006970	S.CER C1608 CH 1H 060D-T	B	43/36.9
C152	4030006860	S.CER C1608 JB 1H 102K-T	T	95/76
C153	4030006860	S.CER C1608 JB 1H 102K-T	B	85.4/61.8
C154	4030006850	S.CER C1608 JB 1H 471K-T	B	89.1/62.5
C155	4030006850	S.CER C1608 JB 1H 471K-T	B	85.4/60
C156	4030007100	S.CER C1608 CH 1H 560J-T	B	89.9/60.3
C157	4030006960	S.CER C1608 CH 1H 050C-T	T	48.6/42.3
C158	4030009520	S.CER C1608 CH 1H 020B-T	T	52.2/43
C159	4030007010	S.CER C1608 CH 1H 100D-T	T	49.3/44.6
C160	4030009520	S.CER C1608 CH 1H 020B-T	T	52.2/46.1
C161	4030006960	S.CER C1608 CH 1H 050C-T	T	48.6/46.8
C162	4030007010	S.CER C1608 CH 1H 100D-T	T	53.1/48.4
C163	4030006860	S.CER C1608 JB 1H 102K-T	T	49/49.7
C164	4550006350	S.TAN TEESVB2 1A 226M8R	T	19.8/44.7
C165	4030011600	S.CER C1608 JB 1E 104K-T	T	23.3/48.7
C166	4550006350	S.TAN TEESVB2 1A 226M8R	T	23.3/44.7
C167	4030006860	S.CER C1608 JB 1H 102K-T	T	30.9/51
C168	4030006900	S.CER C1608 JB 1H 103K-T	B	42.2/43.2
C169	4550000460	S.TAN TEESVA 1C 105M8R	B	45.2/49.5
C170	4030007040	S.CER C1608 CH 1H 180J-T	T	97.3/55.2
C171	4030007120	S.CER C1608 CH 1H 820J-T	T	98/60.4
C172	4030007120	S.CER C1608 CH 1H 820J-T	T	99.5/60.4
C173	4030007130	S.CER C1608 CH 1H 101J-T	T	112.4/48.3
C174	4030006860	S.CER C1608 JB 1H 102K-T	T	110.8/54.7
C175	4030006860	S.CER C1608 JB 1H 102K-T	T	112.4/49.8
C176	4030006850	S.CER C1608 JB 1H 471K-T	T	110.8/55.9
C177	4030006860	S.CER C1608 JB 1H 102K-T	T	54.6/53.2
C178	4030006860	S.CER C1608 JB 1H 102K-T	T	54.6/56.4
C179	4030006860	S.CER C1608 JB 1H 102K-T	T	99.5/63.8
C180	4030006960	S.CER C1608 CH 1H 050C-T	T	49/55
C181	4030006860	S.CER C1608 JB 1H 102K-T	T	51/57.2
C182	4030009540	S.CER C1608 CH 1H 1R5B-T	T	37.7/45.3
C183	4030009910	S.CER C1608 CH 1H 040B-T	T	39.7/46.1
C184	4030007130	S.CER C1608 CH 1H 101J-T	T	30.8/46.2
C185	4030006860	S.CER C1608 JB 1H 102K-T	T	29.3/46.2
C186	4030007030	S.CER C1608 CH 1H 150J-T	T	37/51.9
C187	4610001590	S.TRI TZC3R100A110R00	T	43/48
C188	4030006900	S.CER C1608 JB 1H 103K-T	B	29.2/52
C189	4030006900	S.CER C1608 JB 1H 103K-T	B	29.2/53.5
C190	4030009520	S.CER C1608 CH 1H 020B-T	T	37/48.4
C191	4030006860	S.CER C1608 JB 1H 102K-T	B	29.2/55.4
C192	4550000530	S.TAN TEESVA 1V 104M8R	B	45.2/51.7
C193	4550005980	S.TAN TEESVA 1A 475M8R	B	45.2/54
C194	4030006900	S.CER C1608 JB 1H 103K-T	B	38.8/53.2
C195	4030011600	S.CER C1608 JB 1E 104K-T	B	33.7/57.5
C196	4030006860	S.CER C1608 JB 1H 102K-T	B	37.2/58.2
C197	4030007050	S.CER C1608 CH 1H 220J-T	T	109.7/60.4
C198	4030006860	S.CER C1608 JB 1H 102K-T	T	101/66.8
C199	4550006250	S.TAN TEESVA 1A 106M8R	T	111.5/71.5
C200	4030006860	S.CER C1608 JB 1H 102K-T	T	114.7/81.2
C201	4030011600	S.CER C1608 JB 1E 104K-T	T	115.5/72.7
C202	4030009570	S.CER C1608 CH 1H 0R3B-T	T	34.7/53.5
C203	4030006860	S.CER C1608 JB 1H 102K-T	T	28.8/58.8
C204	4030006860	S.CER C1608 JB 1H 102K-T	T	29.5/53.6
C205	4030009520	S.CER C1608 CH 1H 020B-T	T	33.1/57.6
C206	4030007030	S.CER C1608 CH 1H 150J-T	T	38.5/54.9
C207	4030006860	S.CER C1608 JB 1H 102K-T	T	91.3/88.1
C208	4030008630	S.CER C1608 JF 1H 104Z-T	T	92.6/88.1
C209	4030006860	S.CER C1608 JB 1H 102K-T	T	98.5/90
C210	4030008630	S.CER C1608 JF 1H 104Z-T	T	100/90
C211	4030006860	S.CER C1608 JB 1H 102K-T	T	106.8/90
C212	4030008630	S.CER C1608 JF 1H 104Z-T	T	108.1/90
C213	4030006860	S.CER C1608 JB 1H 102K-T	T	120/72.7
C215	4030006860	S.CER C1608 JB 1H 102K-T	T	101.4/95.1
C216	4030011020	S.CER GRM31M4C2H1R0CY21L	T	105.1/97.3
C218	4030006860	S.CER C1608 JB 1H 102K-T	T	117/72.7
C219	4030006860	S.CER C1608 JB 1H 102K-T	T	98.7/95.2
C220	4030008920	S.CER C1608 JB 1H 473K-T	T	105.5/75.5
C222	4030006860	S.CER C1608 JB 1H 102K-T	T	37/59.3
C223	4030006860	S.CER C1608 JB 1H 102K-T	T	30.2/59.8
C224	4030006860	S.CER C1608 JB 1H 102K-T	T	43.1/57.1
C225	4030009530	S.CER C1608 CH 1H 030B-T	T	42.8/59.3
C226	4030006960	S.CER C1608 CH 1H 050C-T	B	38.7/60.9
C227	4030009520	S.CER C1608 CH 1H 020B-T	B	39.5/57.8
C228	4030007010	S.CER C1608 CH 1H 100D-T	B	40.2/60.9
C229	4030009520	S.CER C1608 CH 1H 020B-T	B	42.2/57.8
C230	4030011200	S.CER GRM31M2C2H300JV01L	T	108.3/95.1
C231	4030006860	S.CER C1608 JB 1H 102K-T	T	114.8/90.1
C232	4030006860	S.CER C1608 JB 1H 102K-T	T	94/102
C233	4030008630	S.CER C1608 JF 1H 104Z-T	T	116.1/90.1

[MAIN-T UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
C234	4030006850	S.CER C1608 JB 1H 471K-T	T	117.4/90.1
C235	4030011020	S.CER GRM31M4C2H1R0CY21L	T	98.8/103.6
C237	4030011160	S.CER GRM31M2C2H150JV01L	T	98.8/105.9
C238	4030018770	S.CER C3216 CH 2J 102J-T	T	111/107.4
C239	4030011210	S.CER GRM31M2C2H330JV01L	T	110.9/117
C240	4030011060	S.CER GRM31M2C2H4R0CY21L	T	116.7/117
C241	4030006900	S.CER C1608 JB 1H 103K-T	T	107.2/80.5
C242	4030006860	S.CER C1608 JB 1H 102K-T	T	94.2/97.9
C243	4030006860	S.CER C1608 JB 1H 102K-T	T	100.7/76.2
C244	4030011600	S.CER C1608 JB 1E 104K-T	T	103.1/79.3
C245	4030006860	S.CER C1608 JB 1H 102K-T	T	101.8/79.3
C246	4030006860	S.CER C1608 JB 1H 102K-T	T	7/30
C247	4030006860	S.CER C1608 JB 1H 102K-T	T	3.9/28.5
C249	4030006960	S.CER C1608 CH 1H 050C-T	B	43/60.9
C250	4030006860	S.CER C1608 JB 1H 102K-T	T	10.4/28.1
C253	4030011180	S.CER GRM31M2C2H220JV01L	T	110.8/119.8
C254	4030011180	S.CER GRM31M2C2H220JV01L	T	110.8/122.9
C255	4030011070	S.CER GRM31M2C2H5R0CY21L	B	118.9/120.4
C256	4030011180	S.CER GRM31M2C2H220JV01L	T	110.8/126
C257	4030011180	S.CER GRM31M2C2H220JV01L	B	114.3/125.7
C258	4030007130	S.CER C1608 CH 1H 101J-T	T	9.6/25.5
C259	4030006860	S.CER C1608 JB 1H 102K-T	B	76.9/67.5
C260	4030009910	S.CER C1608 CH 1H 040B-T	T	63.5/44.2
C261	4030006860	S.CER C1608 JB 1H 102K-T	T	108.7/76
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	83.5/39
EP4	6910013310	S.BEA MMZ1608D121B	B	78.4/67.5
EP5	6910013310	S.BEA MMZ1608D121B	T	90.2/80.7
EP6	6910013310	S.BEA MMZ1608D121B	T	23.2/50.5
EP7	6910013310	S.BEA MMZ1608D121B	T	111.6/46.2
EP8	6910013310	S.BEA MMZ1608D121B	T	118.5/72.7
EP9	6910013310	S.BEA MMZ1608D121B	T	33.7/16.7

[FRONT UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
D1	1730002300	S.ZEN MA8082-M (TX)	T	7.5/21.8
D3	1790001711	S.DIO NNCD5.6C-T1-A	T	57.5/16.7
D4	1790001711	S.DIO NNCD5.6C-T1-A	T	53/16.7
D5	1790001711	S.DIO NNCD5.6C-T1-A	T	48.4/16.7
D6	1790001711	S.DIO NNCD5.6C-T1-A	T	43.9/16.7
D7	1790001711	S.DIO NNCD5.6C-T1-A	T	78/16.6
D8	1790001711	S.DIO NNCD5.6C-T1-A	T	73.5/16.6
D9	1790001711	S.DIO NNCD5.6C-T1-A	T	69/16.7
D10	1790001711	S.DIO NNCD5.6C-T1-A	T	64.5/16.6
R1	7030006250	S.RES ERJ12YJ271U (270)	T	8.5/30.5
R2	7030008180	S.RES ERJ12YJ331U (330)	T	8.5/7.8
R3	7030003860	S.RES ERJ3GE JPW V	T	60.5/16.5
R4	7030003860	S.RES ERJ3GE JPW V	T	56/16.5
R5	7030003860	S.RES ERJ3GE JPW V	T	51.5/16.5
R6	7030003860	S.RES ERJ3GE JPW V	T	46.9/16.5
R7	7030003860	S.RES ERJ3GE JPW V	T	81/16.5
R8	7030003860	S.RES ERJ3GE JPW V	T	76.5/16.5
R9	7030003860	S.RES ERJ3GE JPW V	T	72/16.5
R10	7030003860	S.RES ERJ3GE JPW V	T	67.5/16.5
C1	4030011600	S.CER C1608 JB 1E 104K-T	T	7.2/18.8
C2	4510008800	S.ELE EEE1EA100SR	T	9.4/25.7
C3	4030007050	S.CER C1608 CH 1H 220J-T	T	59/16.5
C4	4030007050	S.CER C1608 CH 1H 220J-T	T	54.5/16.5
C5	4030007050	S.CER C1608 CH 1H 220J-T	T	49.9/16.5
C6	4030007050	S.CER C1608 CH 1H 220J-T	T	45.4/16.5
C7	4030007050	S.CER C1608 CH 1H 220J-T	T	79.5/16.5
C8	4030007050	S.CER C1608 CH 1H 220J-T	T	75/16.5
C9	4030007050	S.CER C1608 CH 1H 220J-T	T	70.5/16.5
C10	4030007050	S.CER C1608 CH 1H 220J-T	T	66/16.5
C11	4030006850	S.CER C1608 JB 1H 471K-T	T	7.2/20.1
J1	6450002101	CNR CMS1410-016010		
J2	6450002101	CNR CMS1410-016010		
J3	6510020251	S.CNR B9B-PH-SM4-TB (LF) (SN)	T	22.4/39.5
J4	6510022311	S.CNR B5B-PH-SM4-TB (LF) (SN)	T	72.5/39.5

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

[FRONT UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
DS1	5040003070	LED MPG4371F		
S1	2220000631	SW MFS201N-16-Z		

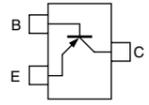
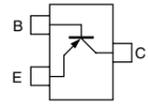
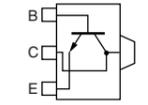
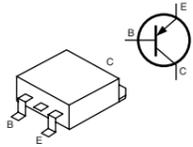
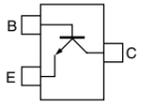
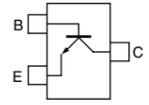
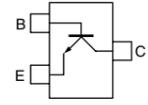
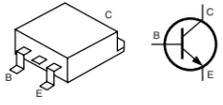
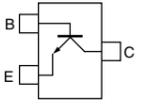
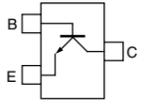
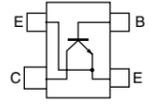
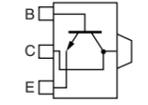
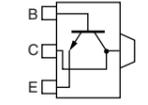
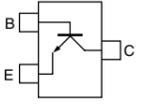
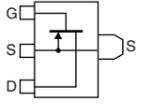
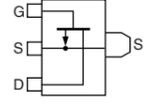
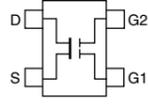
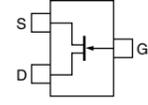
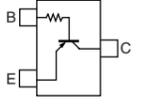
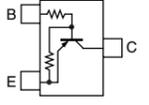
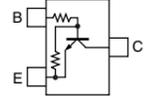
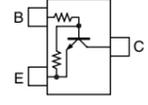
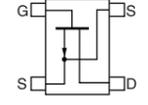
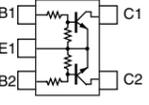
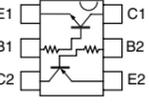
[REAR UNIT]

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
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

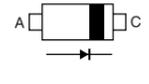
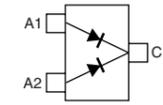
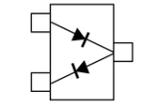
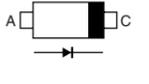
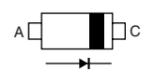
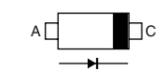
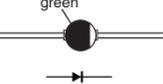
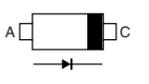
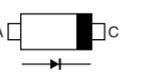
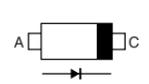
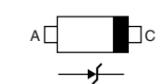
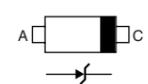
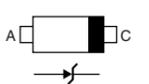
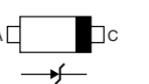
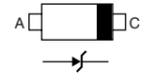
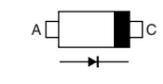
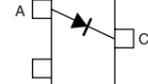
M.=Mounted side (T: Mounted on the Top side, B: Mounted on the Bottom side)
S.=Surface mount

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	8210023000	2732 PANEL (B)	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]

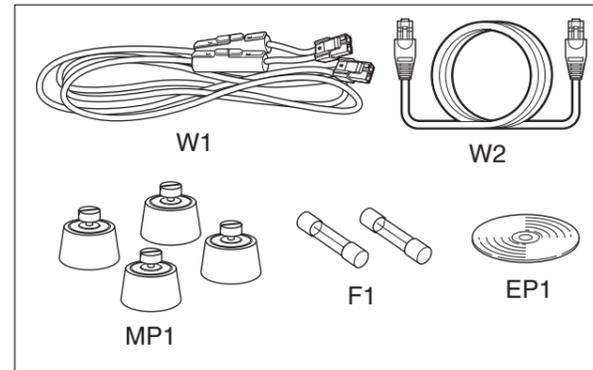
REF. NO.	ORDER NO.	DESCRIPTION	QTY.
J1	6450002101	CMS1410-016010	1
J2	6450002101	CMS1410-016010	1
J3	6510020251	B9B-PH-SM4-TB (LF) (SN)	1
J4	6510022311	B5B-PH-SM4-TB (LF) (SN)	1
DS1	5040003070	MPG4371F	1
S1	2220000631	MFS201N-16-Z	1

[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]

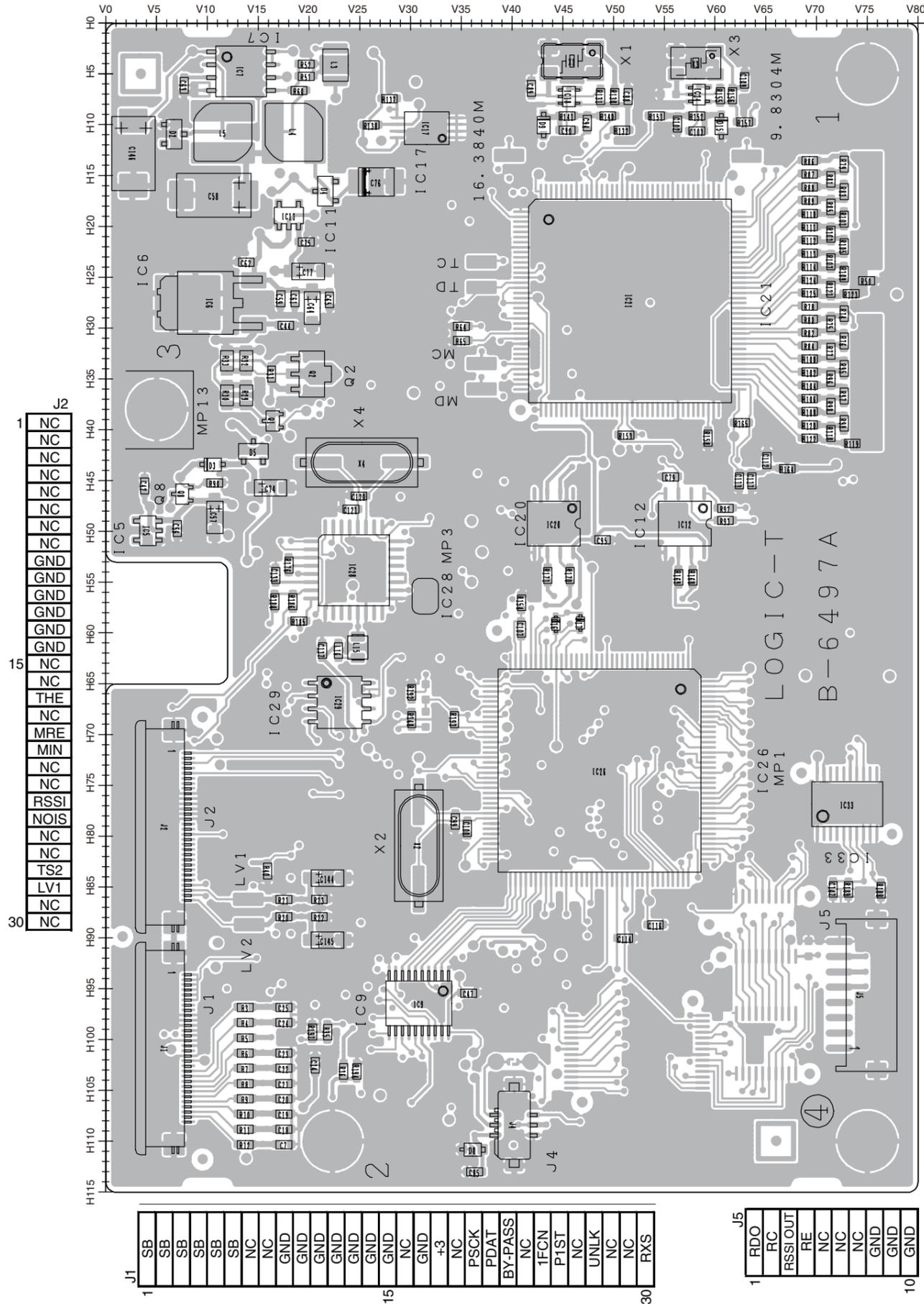
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J2	6510022711	30FLZ-SM2-TB (LF) (SN)	1
J4	6510019271	52365-0671	1
J5	6510021431	S8B-ZR-SM4A-TF (LF) (SN)	1
J6	6510023861	S9B-ZR-SM4A-TF (LF) (SN)	1
W1	8900013161	OPC-1313A (2732 RX-CTRL CABLE)	1
MP1	8510014481	2506 CPU SHIELD-1	1
MP3	8510002280	VCO 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.

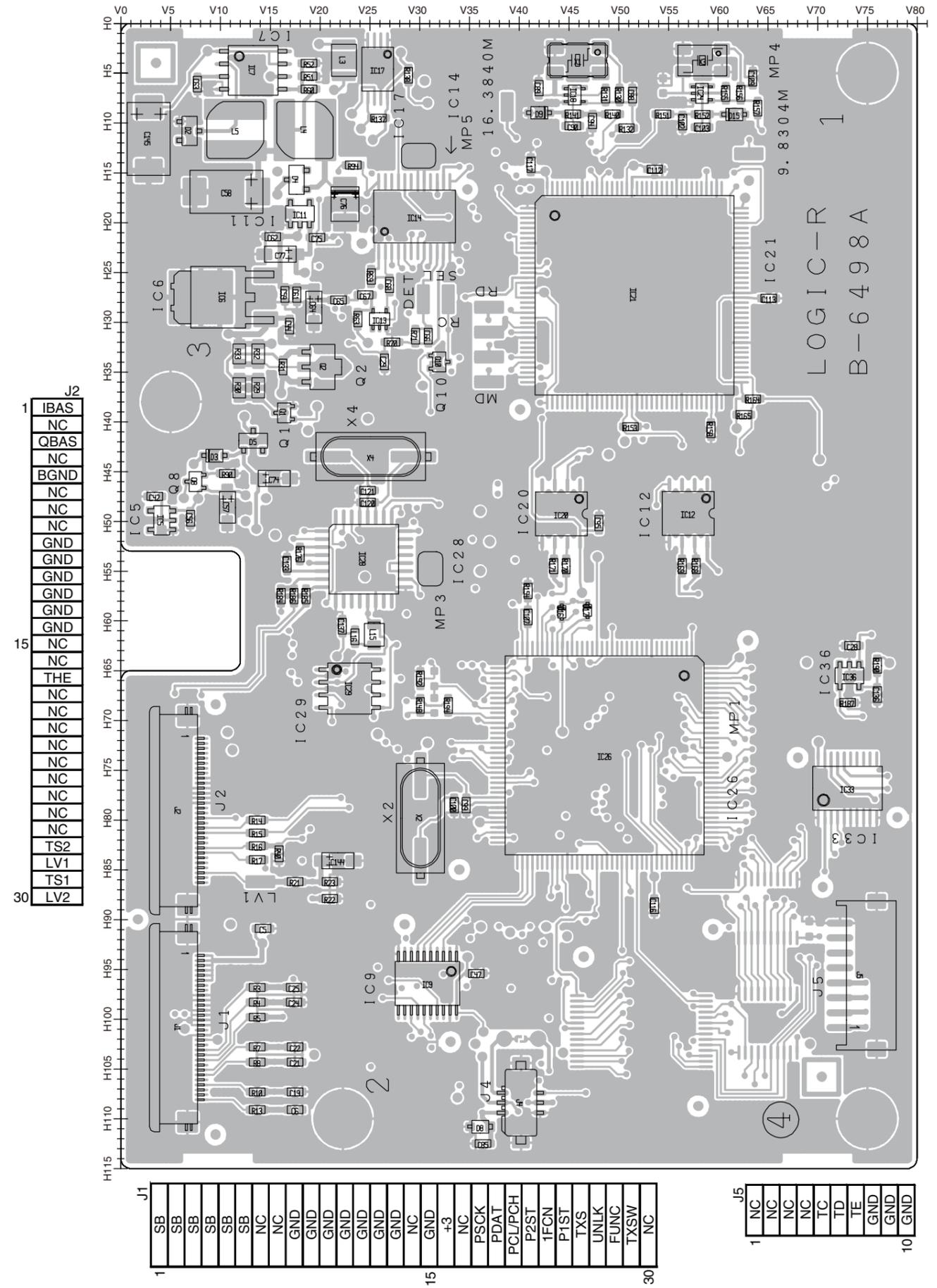
Screw abbreviations BT: Self-tapping PH: Pan head
BiH: Binding head
ZK, ZK3: Black ZC, ZC3: Black
NI-ZU: Nickel-Zinc

SECTION 7 BOARD LAYOUTS

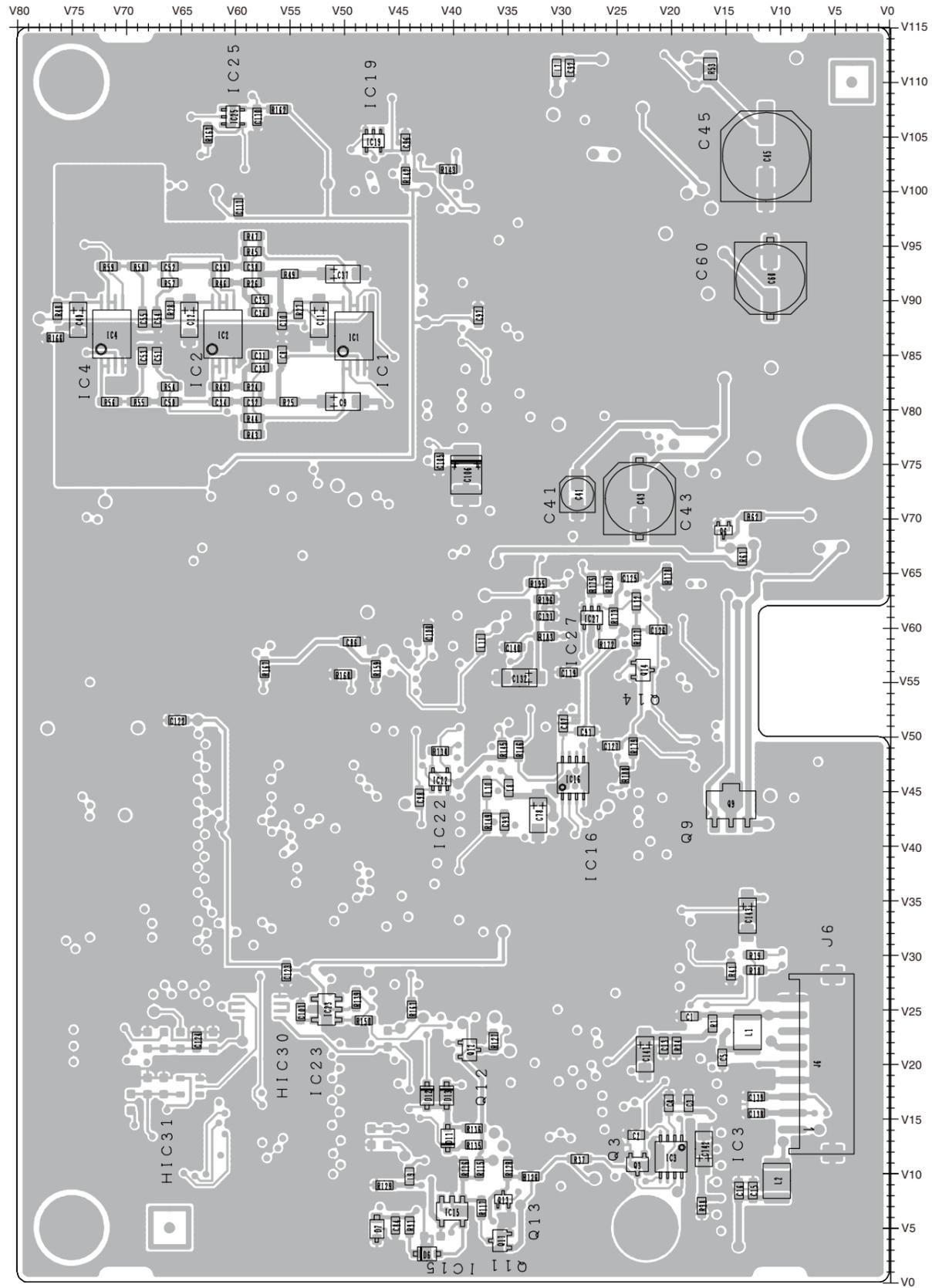
• LOGIC-R BOARD (TOP VIEW)



• LOGIC-T BOARD (TOP VIEW)

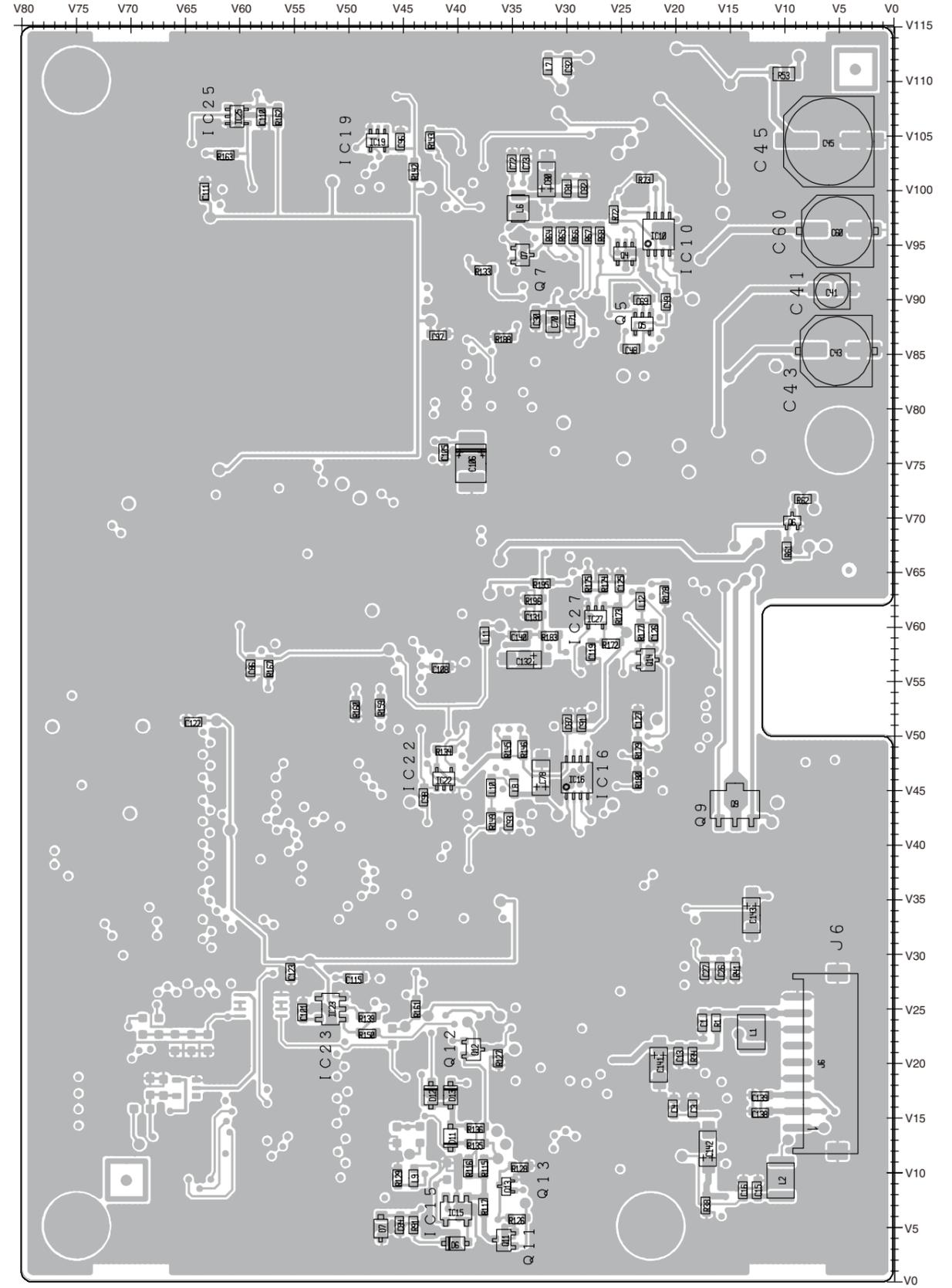


• LOGIC-T BOARD (BOTTOM VIEW)



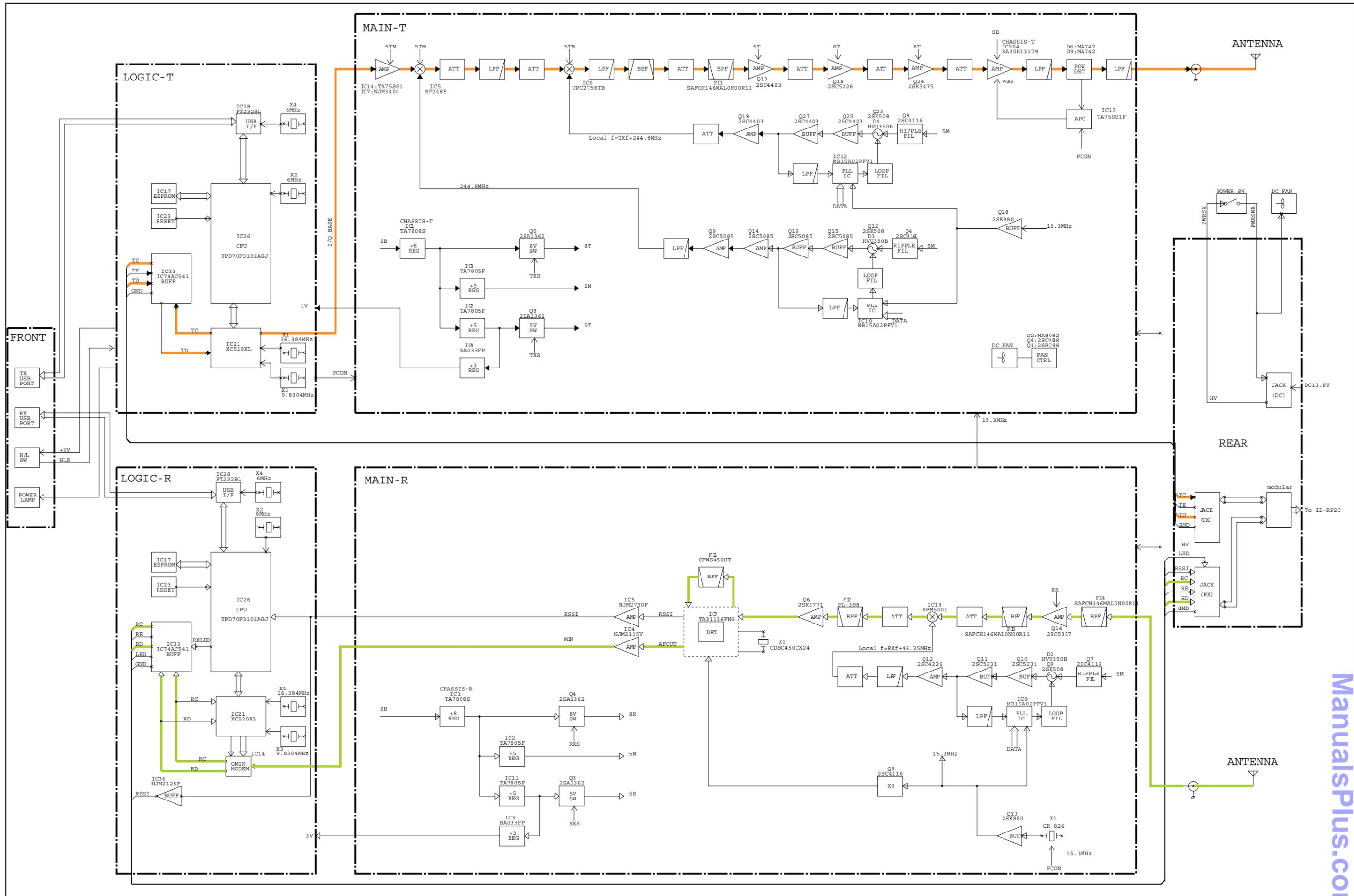
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USBDM
USBDF
GND
HLS
5V
GND
SB
GND
GND
10

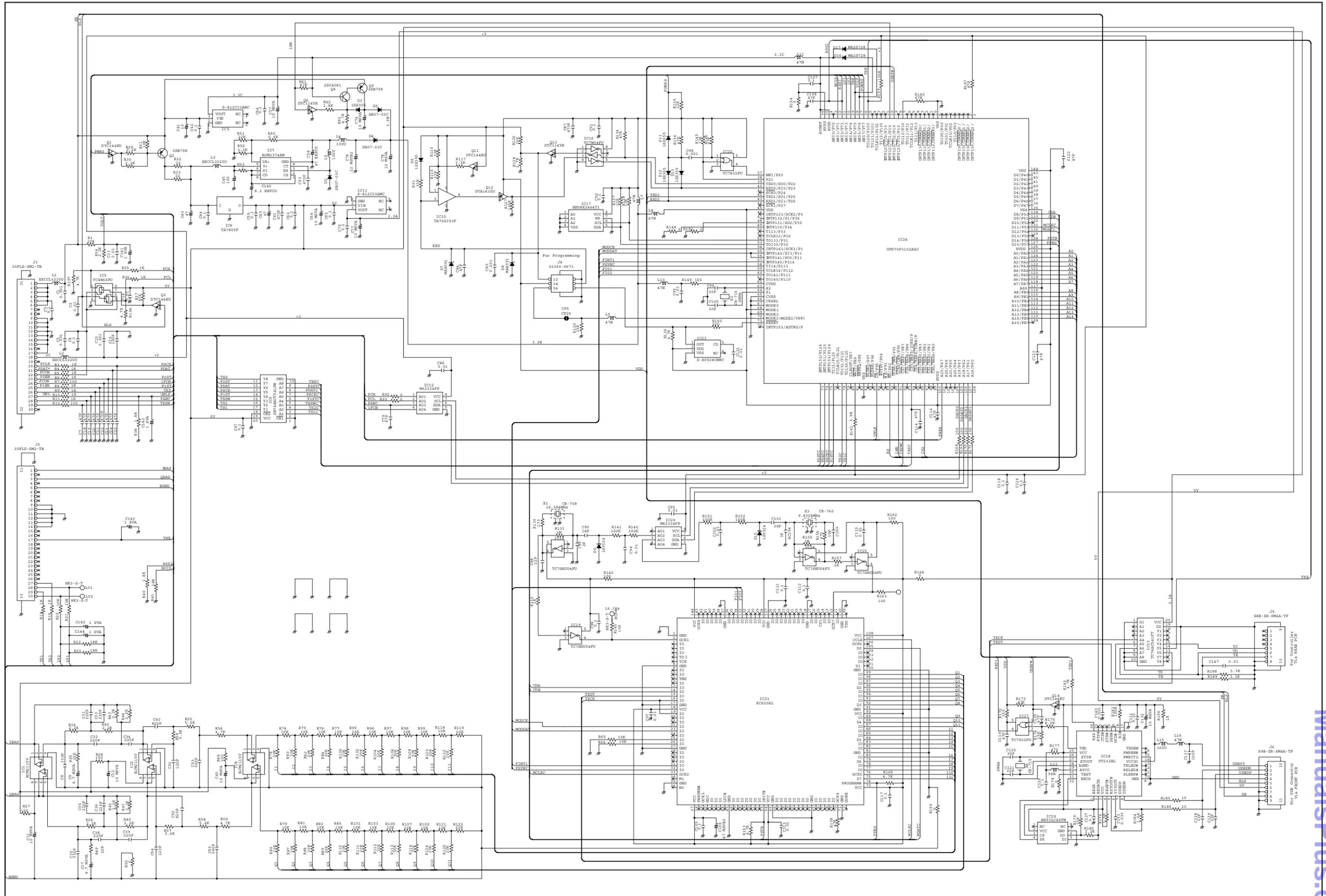
• LOGIC-R BOARD (BOTTOM VIEW)

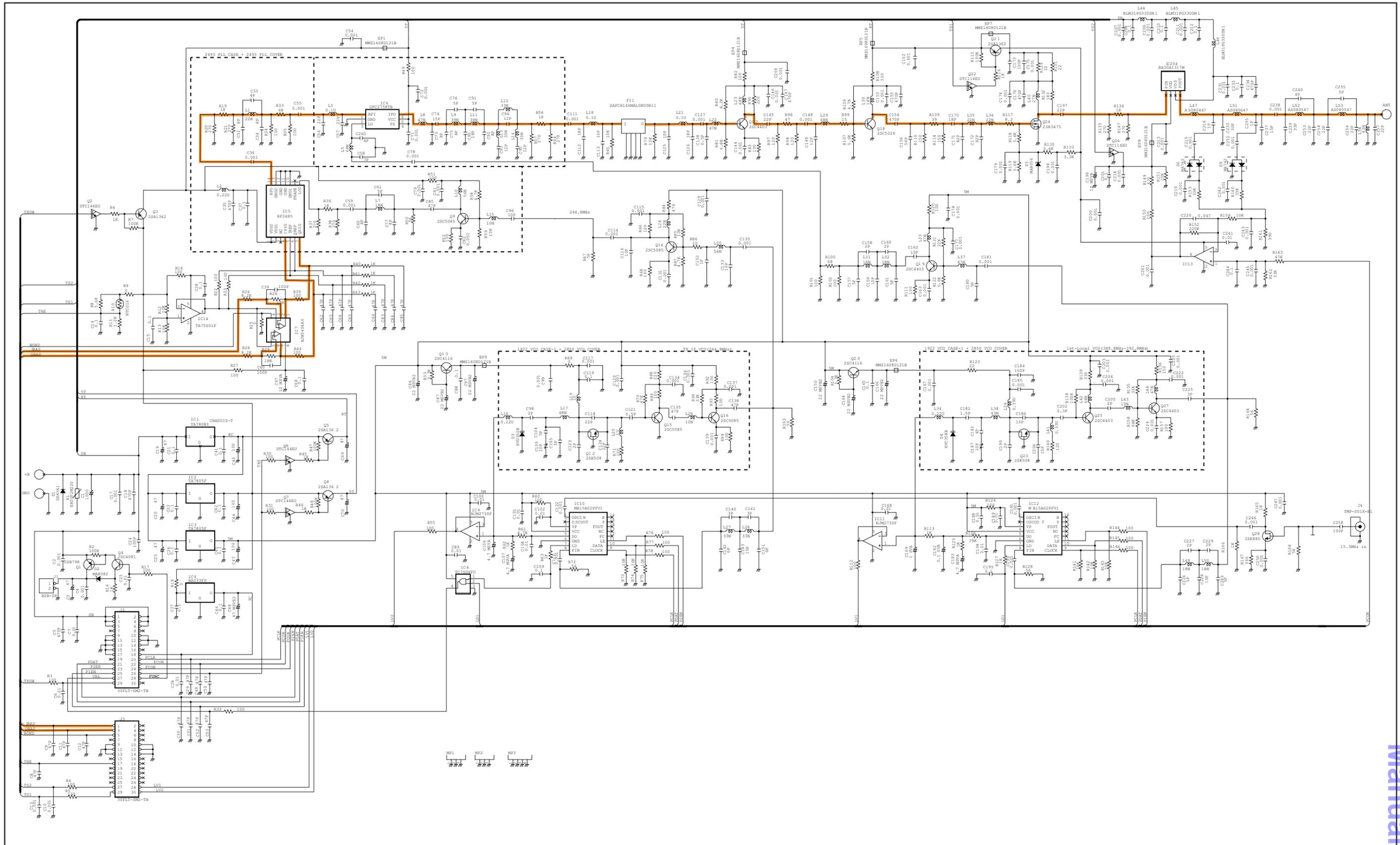


J6
1 USBV
USBDM
USBDF
GND
NC
NC
GND
SB
GND
GND
10

SECTION 8 BLOCK DIAGRAM







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