Oct. 2010

SERVICE MANUAL ADDENDUM

IC-V82 IC-V82-T

CONTENTS

[VERSION LIST]

<table>
<tr><th>Model</th><th>Version</th><th>Battery Pack</th></tr>
<tr><td rowspan="3">IC-V82</td><td>[EUR]</td><td rowspan="6">–</td></tr>
<tr><td>[EXP]</td></tr>
<tr><td>[USA]</td></tr>
<tr><td rowspan="2">IC-V82-T</td><td>[THA]</td></tr>
<tr><td>[THA-01]</td></tr>
<tr><td rowspan="18">IC-V82</td><td>[CSA]</td></tr>
<tr><td>[EUR-1]</td><td rowspan="5">BP-208</td></tr>
<tr><td>[EXP-1]</td></tr>
<tr><td>[USA-1]</td></tr>
<tr><td>[CHN]</td></tr>
<tr><td>[CSA-1]</td></tr>
<tr><td>[EUR-2]</td><td rowspan="6">BP-222N</td></tr>
<tr><td>[EXP-2]</td></tr>
<tr><td>[USA-2]</td></tr>
<tr><td>[KOR]</td></tr>
<tr><td>[CHN-01]</td></tr>
<tr><td>[CSA-2]</td></tr>
<tr><td>[EXP-3]</td><td rowspan="2">–</td></tr>
<tr><td>[CHN-02]</td></tr>
<tr><td>[CSA-3]</td><td rowspan="4">BP-209N</td></tr>
<tr><td>[EUR-3]</td></tr>
<tr><td>[EXP-4]</td></tr>
<tr><td>[USA-3]</td></tr>
</table>

SECTION 1 SPECIFICATIONS

■ GENERAL

• Frequency range	: TX	144.000–148.000 MHz	[USA], [USA-1], [USA-2], [USA-3]
		144.000–146.000 MHz	[EUR], [EUR-1], [EUR-2], [EUR-3], [KOR], [THA]
		136.000–174.000 MHz*	[EXP], [EXP-1], [EXP-2], [EXP-3], [EXP-4], [CHN], [CHN-01], [CHN-02], [CSA], [CSA-1], [CSA-2], [CSA-3]
	: RX	136.000–174.000 MHz*	[USA], [USA-1], [USA-2], [USA-3], [EXP], [EXP-1], [EXP-2], [EXP-3], [EXP-4], [CHN], [CHN-01], [CHN-02], [CSA], [CSA-1], [CSA-2], [CSA-3]
		144.000–146.000 MHz	[EUR], [EUR-1], [EUR-2], [EUR-3], [KOR], [THA], [THA-01]

*Specifications are guaranteed within 144.000 to 148.000 MHz range only.

- Operating temperature range : –10°C to 60°C; +14°F to +140°F
- Operating mode : F2D, F3E, F7W* (*With optional digital unit **UT-118**)
- Frequency stability : ±2.5 ppm (–10°C to +60°C; +14°F to +140°F)
- Antenna impedance : 50 Ω (BNC type)
- Power supply requirement : Specified Icom's battery pack only (Operating voltage range; 6.0–10.3 V)
- Number of memory channels : 207 channels (Including 6 scan edges and 1 call channel)
- Scan types : Program/Memory/Skip/Priority/Tone scans
- Tuning steps : 5, 10, 12.5, 15, 20, 25, 30 and 50 kHz
- Current drain (At 7.2 V DC; approx.) :

TX	High	2.6 A
	Middle	2.0 A
	Low	1.0 A
RX	Max. audio	Less than 250 mA
	Stand-by	Less than 80 mA
	Power save	Less than 30 mA

- Dimensions (Projections not included) : 54.0 (W) × 139.0 (H) × 36.7 (D) mm; 2 1/8 (W) × 5 15/32 (H) × 1 9/32 (D) in.
- Weight (Except antenna, battery pack) : Approx. 200 g (7 5/32 oz)
- Data connector : 3-conductor 2.5 (d) mm (1/10")

■ TRANSMITTER

- Output power (At 7.2 V DC) : 7.0 W (High), 4.0 W (Middle), 0.5 W (Low) Other than [IC-V82-T]
  5.5 W (High), 4.0 W (Middle), 0.5 W (Low) [IC-V82-T]
- Modulation system : Variable reactance frequency modulation
- Maximum deviation : ±2.5 kHz (Narrow), ±5.0 kHz (Wide)
- Spurious emissions : Less than –60 dBc
- Ext. microphone connector : 3-conductor 2.5 (d) mm (1/10")/2.2 kΩ

■ RECEIVER

- Receiving system : Double conversion superheterodyne system
- Intermediate frequencies : 1st; 46.35 MHz, 2nd; 450 kHz
- Sensitivity : Less than –14 dBμ at 12 dB SINAD (0.16 μV typ.)
- Squelch sensitivity (At threshold) : Less than –16 dBμ (0.11 μV typ.)
- Selectivity : More than 55 dB (Wide; 65 dB typ.)
  More than 50 dB (Narrow)
- Intermodulation : More than 55 dB (65 dB typ.)
- Spurious image rejection : More than 60 dB (80 dB typ.)
- Audio output : More than 300 mW at 10% distortion with an 8 Ω load
- Ext. speaker connector : 3-conductor 3.5 (d) mm (1/8")/8 Ω

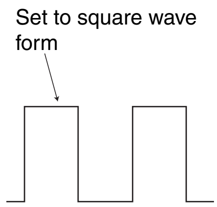
All stated specifications are subject to change without notice or obligation.

5-2 ADJUSTMENTS

5-2-1 KEY OPERATION FOR THE ADJUSTMENT

- Rotate [VOL] to adjust the value.
- Push [D•CLR] key to store the adjustment value and move to next adjustment item.
- Push [▲]/[▼] key to move to next adjustment item without changing the value.

5-2-2 FREQUENCY AND TRANSMIT ADJUSTMENT

ADJUSTMENT		ADJUSTMENT CONDITION	OPERATION
ENTERING ADJUSTMENT MODE		• While pushing [▲], [▼] and [D•CLR] keys, turn power ON.	
REFERENCE FREQUENCY Fr 146.00	1	• Connect a frequency counter to the antenna connector through an attenuator. • Transmitting	• Rotate [VOL] to set to 146.000 MHz ±100Hz. • Push [D•CLR] key.
TRANSMIT LOCK VOLTAGE LU 146.00	1	• Transmitting	• Push [D•CLR] key, then push [▼] key. (Do not release [PTT] button when pushing [D•CLR] key.)
OUTPUT POWER (High) Po 146.00	1	• Connect an RF power meter to the antenna connector. • Transmitting	• Rotate [VOL] to set the transmit power to 7.0 W (except [THA], [THA-01])/5.5W (for [THA], [THA-01] only). • Push [D•CLR] key.
(Middle) Po M 146.00	2	• Transmitting	• Rotate [VOL] to set the transmit power to 4.0 W. • Push [D•CLR] key.
(Low) Po L 146.00	3	• Transmitting	• Rotate [VOL] to set the transmit power to 0.5 W. • Push [D•CLR] key.
FREQUENCY DEVIATION dE 146.00	1	• Mode : Wide • Connect an FM deviation meter to the antenna connector through an attenuator and set as : HPF : OFF LPF : 20 kHz De-emphasis : OFF Detector : (P–P)/2 • Connect an audio generator to [MIC] jack and set as; Frequency : 1 kHz Level : 150 mV rms • Transmitting	• Rotate [VOL] to set to ±4.2 kHz. • Push [D•CLR] key.
DIGITAL VCO FREQUENCY DEVIATION dE DV 146.00	1	• Set the FM deviation meter as; HPF : OFF LPF : 20 kHz De-emphasis : OFF Detector : (P–P)/2 • No audio input • Transmitting	• Rotate [VOL] to set to ±1.20 kHz. • Push [D•CLR] key.
DTCS WAVE FORM dt 146.00	1	• Mode : Wide • Connect an oscilloscope and the FM deviation meter to the antenna connector. • Set the FM deviation meter as; HPF : OFF LPF : 20 kHz De-emphasis : OFF Detector : (P–P)/2 • No audio input • Transmitting	• Rotate [VOL] to set to square wave form as shown below. • Push [D•CLR] key. 
DIGITAL REFERENCE FREQUENCY DEVIATION dt DV 146.00	1	• Set the FM deviation meter as; HPF : OFF LPF : 20 kHz De-emphasis : OFF Detector : (P–P)/2 • No audio input • Transmitting	• Rotate [VOL] to set to ±1.20 kHz. • Push [D•CLR] key.

PARTS LIST

[MAIN UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
IC2	1110003491	S.IC TA31136FNG(DEL)	T	101.7/33.75
IC3	1110006470	S.IC LMV324IPWR	T	103.7/13.3
IC4	1130011770	S.IC CD4066BPWR	T	84.9/15.0
IC5	1110002810	S.IC NJM2070M-TE1-#ZZZB	B	67.3/10.3
IC7	1130015560	S.IC S-24C64CI-T8T1U3	B	26.1/21.6
IC8	1140012490	S.IC M30220MA-136RP (FX-2826B EXP) [EUR]	B	43.3/22.9
	1140012490	S.IC M30220MA-136RP (FX-2826B EXP) [EXP]		
	1140012490	S.IC M30220MA-136RP (FX-2826B EXP) [USA]		
	1140012480	S.IC M30220MA-135RP (FX-2826A JPN) [THA]		
	1140012490	S.IC M30220MA-136RP (FX-2826B EXP) [CSA]		
	1140012490	S.IC M30220MA-136RP (FX-2826B EXP) [EUR-1]		
	1140012490	S.IC M30220MA-136RP (FX-2826B EXP) [EXP-1]		
	1140012490	S.IC M30220MA-136RP (FX-2826B EXP) [USA-1]		
	1140012490	S.IC M30220MA-136RP (FX-2826B EXP) [CHN]		
	1140012490	S.IC M30220MA-136RP (FX-2826B EXP) [THA-01]		
	1140012490	S.IC M30220MA-136RP (FX-2826B EXP) [CSA-1]		
	1140012490	S.IC M30220MA-136RP (FX-2826B EXP) [EUR-2]		
	1140012490	S.IC M30220MA-136RP (FX-2826B EXP) [EXP-2]		
	1140012490	S.IC M30220MA-136RP (FX-2826B EXP) [USA-2]		
	1140012490	S.IC M30220MA-136RP (FX-2826B EXP) [KOR]		
	1140012490	S.IC M30220MA-136RP (FX-2826B EXP) [CHN-01]		
	1140012490	S.IC M30220MA-136RP (FX-2826B EXP) [CSA-2]		
	1140012490	S.IC M30220MA-136RP (FX-2826B EXP) [EXP-3]		
	1140012490	S.IC M30220MA-136RP (FX-2826B EXP) [CHN-02]		
	1140012490	S.IC M30220MA-136RP (FX-2826B EXP) [CSA-3]		
	1140012490	S.IC M30220MA-136RP (FX-2826B EXP) [EUR-3]		
	1140012490	S.IC M30220MA-136RP (FX-2826B EXP) [EXP-4]		
	1140012490	S.IC M30220MA-136RP (FX-2826B EXP) [USA-3]		
IC10	1190000350	S.IC M62363FP-650C	B	65.1/34.5
IC12	1180002251	S.IC S-812C50AMC-C3E-G	T	109.8/39.8
IC13	1130011770	S.IC CD4066BPWR	B	10.8/16.8
IC14	1130011770	S.IC CD4066BPWR	B	19.2/21.2
IC15	1130011770	S.IC CD4066BPWR	B	23.0/10.2
IC16	1130011781	S.IC SN74AHC2G53HDCT3	B	36.3/41.1
IC17	1110005310	S.IC AN6123MS	B	12.4/27.9
IC19	1130011671	S.IC MB15E03SLPFV1-G-ER-6E1	T	87.0/33.4
IC20	1130011801	S.IC SN74AHC1G66HDBV3	T	80.9/28.0
IC21	1110006260	S.IC BD5242G-TR	B	27.6/14.0
IC22	1180002680	S.REG S-812C50BMC-C5E-T2G	B	13.6/35.7
IC23	1110006490	S.IC LMV321IDCKR	B	40.6/40.2
IC24	1180002690	S.REG S-812C36AMC-C2Q-T2G	T	87.4/28.2
IC25	1110006490	S.IC LMV321IDCKR	B	18.4/14.6
Q1	1560001371	S.FET RD12MVS1-T112	T	118.4/24.1
Q2	1560001241	S.FET RD01MUS1-T113	T	109.6/24.4
Q3	1530003231	S.TRA 2SC5085-Y(TE85RF)	T	101.6/20.0
Q5	1530003260	S.TRA 2SC5006-T1	B	87.3/30.2
Q11	1590001650	S.TRA XP4601(TX)	T	86.7/21.8
Q12	1580000790	S.FET 3SK318YB-TL-E	B	106.8/4.2
Q13	1580000790	S.FET 3SK318YB-TL-E	B	99.8/14.9
Q14	1530003260	S.TRA 2SC5006-T1	B	97.6/33.9
Q15	1520000460	S.TRA 2SB1132 T100 R	B	61.8/16.4
Q16	1590001190	S.TRA XP6501-(TX).AB	B	65.9/18.2

[MAIN UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
Q17	1590003421	S.TRA UNR911FG0L [EUR]	B	28.1/10.6
	1590003421	S.TRA UNR911FG0L [EXP]		
	1590003421	S.TRA UNR911FG0L [USA]		
	1590003421	S.TRA UNR911FG0L [THA]		
	1590003421	S.TRA UNR911FG0L [CSA]		
	1590003421	S.TRA UNR911FG0L [EUR-1]		
	1590003421	S.TRA UNR911FG0L [EXP-1]		
	1590003421	S.TRA UNR911FG0L [USA-1]		
	1590003421	S.TRA UNR911FG0L [CHN]		
	1590004320	S.TRA DRA9143X0L [THA-01]		
	1590003421	S.TRA UNR911FG0L [CSA-1]		
	1590003421	S.TRA UNR911FG0L [EUR-2]		
	1590003421	S.TRA UNR911FG0L [EXP-2]		
	1590003421	S.TRA UNR911FG0L [USA-2]		
	1590003421	S.TRA UNR911FG0L [KOR]		
	1590003421	S.TRA UNR911FG0L [CHN-01]		
	1590003421	S.TRA UNR911FG0L [CSA-2]		
	1590003421	S.TRA UNR911FG0L [EXP-3]		
	1590003421	S.TRA UNR911FG0L [CHN-02]		
	1590003421	S.TRA UNR911FG0L [CSA-3]		
	1590003421	S.TRA UNR911FG0L [EUR-3]		
	1590003421	S.TRA UNR911FG0L [EXP-4]		
	1590003421	S.TRA UNR911FG0L [USA-3]		
Q21	1510000510	S.TRA 2SA1576A T106R	B	113.4/31.3
Q22	1510000510	S.TRA 2SA1576A T106R	B	109.8/32.2
Q25	1530002851	S.TRA 2SC4116-BL(TE85RF)	T	67.1/4.2
Q31	1590003271	S.TRA UNR9210G0L [EUR]	T	95.8/4.2
	1590003271	S.TRA UNR9210G0L [EXP]		
	1590003271	S.TRA UNR9210G0L [USA]		
	1590003271	S.TRA UNR9210G0L [THA]		
	1590003271	S.TRA UNR9210G0L [CSA]		
	1590003271	S.TRA UNR9210G0L [EUR-1]		
	1590003271	S.TRA UNR9210G0L [EXP-1]		
	1590003271	S.TRA UNR9210G0L [USA-1]		
	1590003271	S.TRA UNR9210G0L [CHN]		
	1590004340	S.TRA DRC9144T0L [THA-01]		
	1590003271	S.TRA UNR9210G0L [CSA-1]		
	1590003271	S.TRA UNR9210G0L [EUR-2]		
	1590003271	S.TRA UNR9210G0L [EXP-2]		
	1590003271	S.TRA UNR9210G0L [USA-2]		
	1590003271	S.TRA UNR9210G0L [KOR]		
	1590003271	S.TRA UNR9210G0L [CHN-01]		
	1590003271	S.TRA UNR9210G0L [CSA-2]		
	1590003271	S.TRA UNR9210G0L [EXP-3]		
	1590003271	S.TRA UNR9210G0L [CHN-02]		
	1590003271	S.TRA UNR9210G0L [CSA-3]		
	1590003271	S.TRA UNR9210G0L [EUR-3]		
	1590003271	S.TRA UNR9210G0L [EXP-4]		
	1590003271	S.TRA UNR9210G0L [USA-3]		
Q34	1560000811	S.FET 2SK1069-4-TL-E	T	74.9/28.1
Q37	1590003231	S.TRA UNR9113G0L [EUR]	T	109.9/15.9
	1590003231	S.TRA UNR9113G0L [EXP]		
	1590003231	S.TRA UNR9113G0L [USA]		
	1590003231	S.TRA UNR9113G0L [THA]		
	1590003231	S.TRA UNR9113G0L [CSA]		
	1590003231	S.TRA UNR9113G0L [EUR-1]		
	1590003231	S.TRA UNR9113G0L [EXP-1]		
	1590003231	S.TRA UNR9113G0L [USA-1]		
	1590003231	S.TRA UNR9113G0L [CHN]		
	1590004190	S.TRA DRA9144E0L [THA-01]		
	1590003231	S.TRA UNR9113G0L [CSA-1]		
	1590003231	S.TRA UNR9113G0L [EUR-2]		
	1590003231	S.TRA UNR9113G0L [EXP-2]		
	1590003231	S.TRA UNR9113G0L [USA-2]		
	1590003231	S.TRA UNR9113G0L [KOR]		
	1590003231	S.TRA UNR9113G0L [CHN-01]		
	1590003231	S.TRA UNR9113G0L [CSA-2]		
	1590003231	S.TRA UNR9113G0L [EXP-3]		
	1590003231	S.TRA UNR9113G0L [CHN-02]		
	1590003231	S.TRA UNR9113G0L [CSA-3]		
	1590003231	S.TRA UNR9113G0L [EUR-3]		
	1590003231	S.TRA UNR9113G0L [EXP-4]		
	1590003231	S.TRA UNR9113G0L [USA-3]		
Q38	1590003291	S.TRA UNR9213G0L [EUR]	B	41.2/36.7
	1590003291	S.TRA UNR9213G0L [EXP]		
	1590003291	S.TRA UNR9213G0L [USA]		
	1590003291	S.TRA UNR9213G0L [THA]		
	1590003291	S.TRA UNR9213G0L [CSA]		
	1590003291	S.TRA UNR9213G0L [EUR-1]		
	1590003291	S.TRA UNR9213G0L [EXP-1]		
	1590003291	S.TRA UNR9213G0L [USA-1]		
	1590003291	S.TRA UNR9213G0L [CHN]		
	1590004350	S.TRA DRC9144E0L [THA-01]		
	1590003291	S.TRA UNR9213G0L [CSA-1]		
	1590003291	S.TRA UNR9213G0L [EUR-2]		
	1590003291	S.TRA UNR9213G0L [EXP-2]		
	1590003291	S.TRA UNR9213G0L [USA-2]		
	1590003291	S.TRA UNR9213G0L [KOR]		
	1590003291	S.TRA UNR9213G0L [CHN-01]		
	1590003291	S.TRA UNR9213G0L [CSA-2]		
	1590003291	S.TRA UNR9213G0L [EXP-3]		
	1590003291	S.TRA UNR9213G0L [CHN-02]		
	1590003291	S.TRA UNR9213G0L [CSA-3]		
	1590003291	S.TRA UNR9213G0L [EUR-3]		
	1590003291	S.TRA UNR9213G0L [EXP-4]		
	1590003291	S.TRA UNR9213G0L [USA-3]		
Q53	1590001650	S.TRA XP4601(TX)	B	47.5/39.0
Q54	1510000510	S.TRA 2SA1576A T106R	B	100.8/26.6

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

[MAIN UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
Q55	1520000460	S.TRA 2SB1132 T100 R	T	115.1/39.5
Q56	1590003291	S.TRA UNR9213G0L [EUR]	T	120.3/33.4
	1590003291	S.TRA UNR9213G0L [EXP]		
	1590003291	S.TRA UNR9213G0L [USA]		
	1590003291	S.TRA UNR9213G0L [THA]		
	1590003291	S.TRA UNR9213G0L [CSA]		
	1590003291	S.TRA UNR9213G0L [EUR-1]		
	1590003291	S.TRA UNR9213G0L [EXP-1]		
	1590003291	S.TRA UNR9213G0L [USA-1]		
	1590003291	S.TRA UNR9213G0L [CHN]		
	1590004350	S.TRA DRC9144E0L [THA-01]		
	1590003291	S.TRA UNR9213G0L [CSA-1]		
	1590003291	S.TRA UNR9213G0L [EUR-2]		
	1590003291	S.TRA UNR9213G0L [EXP-2]		
	1590003291	S.TRA UNR9213G0L [USA-2]		
	1590003291	S.TRA UNR9213G0L [KOR]		
	1590003291	S.TRA UNR9213G0L [CHN-01]		
	1590003291	S.TRA UNR9213G0L [CSA-2]		
	1590003291	S.TRA UNR9213G0L [EXP-3]		
	1590003291	S.TRA UNR9213G0L [CHN-02]		
	1590003291	S.TRA UNR9213G0L [CSA-3]		
	1590003291	S.TRA UNR9213G0L [EUR-3]		
	1590003291	S.TRA UNR9213G0L [EXP-4]		
	1590003291	S.TRA UNR9213G0L [USA-3]		
Q57	1590001170	S.TRA XP1501-(TX).AB	B	119.7/37.0
Q61	1510000620	S.TRA 2SA1576 T106 S	B	14.4/39.9
Q62	1530002851	S.TRA 2SC4116-BL(TE85RF)	B	11.9/39.9
Q63	1510000510	S.TRA 2SA1576A T106R	B	15.5/28.9
Q64	1510000510	S.TRA 2SA1576A T106R	B	31.9/42.5
Q65	1530002851	S.TRA 2SC4116-BL(TE85RF)	B	98.9/24.7
Q67	1590002230	S.TRA UMG2N TR	T	94.6/17.0
Q68	1590003291	S.TRA UNR9213G0L [EUR]	T	93.6/13.5
	1590003291	S.TRA UNR9213G0L [EXP]		
	1590003291	S.TRA UNR9213G0L [USA]		
	1590003291	S.TRA UNR9213G0L [THA]		
	1590003291	S.TRA UNR9213G0L [CSA]		
	1590003291	S.TRA UNR9213G0L [EUR-1]		
	1590003291	S.TRA UNR9213G0L [EXP-1]		
	1590003291	S.TRA UNR9213G0L [USA-1]		
	1590003291	S.TRA UNR9213G0L [CHN]		
	1590004350	S.TRA DRC9144E0L [THA-01]		
	1590003291	S.TRA UNR9213G0L [CSA-1]		
	1590003291	S.TRA UNR9213G0L [EUR-2]		
	1590003291	S.TRA UNR9213G0L [EXP-2]		
	1590003291	S.TRA UNR9213G0L [USA-2]		
	1590003291	S.TRA UNR9213G0L [KOR]		
	1590003291	S.TRA UNR9213G0L [CHN-01]		
	1590003291	S.TRA UNR9213G0L [CSA-2]		
	1590003291	S.TRA UNR9213G0L [EXP-3]		
	1590003291	S.TRA UNR9213G0L [CHN-02]		
	1590003291	S.TRA UNR9213G0L [CSA-3]		
	1590003291	S.TRA UNR9213G0L [EUR-3]		
	1590003291	S.TRA UNR9213G0L [EXP-4]		
	1590003291	S.TRA UNR9213G0L [USA-3]		
Q73	1530003630	S.TRA 2SC4617 TLS	B	61.4/6.2
Q74	1530003582	S.TRA 2SC5231A-8-TL-E	B	87.1/23.3
Q75	1530003582	S.TRA 2SC5231A-8-TL-E	B	83.2/22.2
Q76	1530003582	S.TRA 2SC5231A-8-TL-E	B	77.5/21.2
Q77	1590003301	S.TRA UNR921NG0L [EUR]	B	83.1/29.0
	1590003301	S.TRA UNR921NG0L [EXP]		
	1590003301	S.TRA UNR921NG0L [USA]		
	1590003301	S.TRA UNR921NG0L [THA]		
	1590003301	S.TRA UNR921NG0L [CSA]		
	1590003301	S.TRA UNR921NG0L [EUR-1]		
	1590003301	S.TRA UNR921NG0L [EXP-1]		
	1590003301	S.TRA UNR921NG0L [USA-1]		
	1590003301	S.TRA UNR921NG0L [CHN]		
	1590004250	S.TRA DRC9143Z0L [THA-01]		
	1590003301	S.TRA UNR921NG0L [CSA-1]		
	1590003301	S.TRA UNR921NG0L [EUR-2]		
	1590003301	S.TRA UNR921NG0L [EXP-2]		
	1590003301	S.TRA UNR921NG0L [USA-2]		
	1590003301	S.TRA UNR921NG0L [KOR]		
	1590003301	S.TRA UNR921NG0L [CHN-01]		
	1590003301	S.TRA UNR921NG0L [CSA-2]		
	1590003301	S.TRA UNR921NG0L [EXP-3]		
	1590003301	S.TRA UNR921NG0L [CHN-02]		
	1590003301	S.TRA UNR921NG0L [CSA-3]		
	1590003301	S.TRA UNR921NG0L [EUR-3]		
	1590003301	S.TRA UNR921NG0L [EXP-4]		
	1590003301	S.TRA UNR921NG0L [USA-3]		
Q81	1530002851	S.TRA 2SC4116-BL(TE85RF)	T	95.0/32.8
Q82	1530002851	S.TRA 2SC4116-BL(TE85RF)	B	20.5/29.5
D1	1710000871	S.DIO HVU131TRF-E	B	112.5/12.8
D2	1790000620	S.DIO MA77(TX)	T	115.9/7.7
D3	1790001621	S.DIO 1SV308(TPL3F)	T	90.7/21.1
D4	1790001261	S.DIO MA2S077G0L	T	91.6/19.2
D9	1750000721	S.VAR HVC375BTRF-E	T	110.8/2.9
D11	1750000711	S.VAR HVC350BTRF-E	T	104.5/3.3
D12	1750000711	S.VAR HVC350BTRF-E	B	101.7/2.4
D27	1790000981	S.DIO MA3J7420GL	T	93.5/4.7
D32	1790000981	S.DIO MA3J7420GL	T	115.0/14.2
D33	1790000981	S.DIO MA3J7420GL	T	115.0/16.7

[MAIN UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
D34	1790000951	S.ZEN MAZ8056GML [EUR]	B	94.0/8.2
	1790000951	S.ZEN MAZ8056GML [EXP]		
	1790000951	S.ZEN MAZ8056GML [USA]		
	1790000951	S.ZEN MAZ8056GML [THA]		
	1790000951	S.ZEN MAZ8056GML [CSA]		
	1790000951	S.ZEN MAZ8056GML [EUR-1]		
	1790000951	S.ZEN MAZ8056GML [EXP-1]		
	1790000951	S.ZEN MAZ8056GML [USA-1]		
	1790000951	S.ZEN MAZ8056GML [CHN]		
	1750001980	S.ZEN DZ2J056M0L [THA-01]		
	1790000951	S.ZEN MAZ8056GML [CSA-1]		
	1790000951	S.ZEN MAZ8056GML [EUR-2]		
	1790000951	S.ZEN MAZ8056GML [EXP-2]		
	1790000951	S.ZEN MAZ8056GML [USA-2]		
	1790000951	S.ZEN MAZ8056GML [KOR]		
	1790000951	S.ZEN MAZ8056GML [CHN-01]		
	1790000951	S.ZEN MAZ8056GML [CSA-2]		
	1790000951	S.ZEN MAZ8056GML [EXP-3]		
	1790000951	S.ZEN MAZ8056GML [CHN-02]		
	1790000951	S.ZEN MAZ8056GML [CSA-3]		
	1790000951	S.ZEN MAZ8056GML [EUR-3]		
	1790000951	S.ZEN MAZ8056GML [EXP-4]		
	1790000951	S.ZEN MAZ8056GML [USA-3]		
D39	1750000940	S.DIO 1SS400 TE61	B	117.3/38.7
D40	1750000940	S.DIO 1SS400 TE61	B	60.9/43.3
D41	1750000940	S.DIO 1SS400 TE61	B	63.7/43.2
D42	1750000940	S.DIO 1SS400 TE61	B	65.0/43.2
D43	1750000940	S.DIO 1SS400 TE61	B	66.3/43.2
D44	1750000940	S.DIO 1SS400 TE61	B	67.6/43.2
D45	1750000940	S.DIO 1SS400 TE61 [EUR]	T	58.4/41.9
	1750000940	S.DIO 1SS400 TE61 [USA]		
	1750000940	S.DIO 1SS400 TE61 [EUR-1]		
	1750000940	S.DIO 1SS400 TE61 [USA-1]		
	1750000940	S.DIO 1SS400 TE61 [EUR-2]		
	1750000940	S.DIO 1SS400 TE61 [USA-2]		
	1750000940	S.DIO 1SS400 TE61 [KOR]		
	1750000940	S.DIO 1SS400 TE61 [EUR-3]		
	1750000940	S.DIO 1SS400 TE61 [USA-3]		
D46	1750000940	S.DIO 1SS400 TE61 [EXP]	T	59.7/41.9
	1750000940	S.DIO 1SS400 TE61 [THA]		
	1750000940	S.DIO 1SS400 TE61 [CSA]		
	1750000940	S.DIO 1SS400 TE61 [EXP-1]		
	1750000940	S.DIO 1SS400 TE61 [CHN]		
	1750000940	S.DIO 1SS400 TE61 [THA-01]		
	1750000940	S.DIO 1SS400 TE61 [CSA-1]		
	1750000940	S.DIO 1SS400 TE61 [EXP-2]		
	1750000940	S.DIO 1SS400 TE61 [CHN-01]		
	1750000940	S.DIO 1SS400 TE61 [CSA-2]		
	1750000940	S.DIO 1SS400 TE61 [EXP-3]		
	1750000940	S.DIO 1SS400 TE61 [CHN-02]		
	1750000940	S.DIO 1SS400 TE61 [CSA-3]		
	1750000940	S.DIO 1SS400 TE61 [EXP-4]		
D47	1750000940	S.DIO 1SS400 TE61 [THA]	T	61.1/41.9
	1750000940	S.DIO 1SS400 TE61 [THA-01]		
	1750000940	S.DIO 1SS400 TE61 [KOR]		
D48	1750000940	S.DIO 1SS400 TE61 [EUR]	T	67.1/40.9
	1750000940	S.DIO 1SS400 TE61 [USA]		
	1750000940	S.DIO 1SS400 TE61 [EUR-1]		
	1750000940	S.DIO 1SS400 TE61 [USA-1]		
	1750000940	S.DIO 1SS400 TE61 [THA-01]		
	1750000940	S.DIO 1SS400 TE61 [EUR-2]		
	1750000940	S.DIO 1SS400 TE61 [USA-2]		
	1750000940	S.DIO 1SS400 TE61 [KOR]		
	1750000940	S.DIO 1SS400 TE61 [EUR-3]		
	1750000940	S.DIO 1SS400 TE61 [USA-3]		
D49	1750000940	S.DIO 1SS400 TE61 [EUR]	T	68.4/40.9
	1750000940	S.DIO 1SS400 TE61 [THA]		
	1750000940	S.DIO 1SS400 TE61 [EUR-1]		
	1750000940	S.DIO 1SS400 TE61 [THA-01]		
	1750000940	S.DIO 1SS400 TE61 [EUR-2]		
	1750000940	S.DIO 1SS400 TE61 [KOR]		
	1750000940	S.DIO 1SS400 TE61 [EUR-3]		
D50	1790000661	S.DIO MA2J7280GL	T	114.2/3.3
D51	1750000940	S.DIO 1SS400 TE61	B	13.6/42.0
D56	1750000771	S.VAR HVC376BTRF-E	B	33.5/9.8
D58	1790001261	S.DIO MA2S077G0L	B	81.4/27.8
D59	1720000730	S.VAR MA2S30400L	B	76.4/27.6
D60	1720000730	S.VAR MA2S30400L	B	78.9/27.6
D61	1720000651	S.VAR 1SV286(TPH3F)	B	76.5/31.3
D63	1750000370	S.DIO DA221 TL	B	93.5/30.8
D64	1750000940	S.DIO 1SS400 TE61	T	84.0/37.9
D65	1750000711	S.VAR HVC350BTRF-E	T	102.8/7.7
D66	1750000940	S.DIO 1SS400 TE61 [EUR]	T	67.6/43.4
	1750000940	S.DIO 1SS400 TE61 [EXP]		
	1750000940	S.DIO 1SS400 TE61 [THA]		
	1750000940	S.DIO 1SS400 TE61 [EUR-1]		
	1750000940	S.DIO 1SS400 TE61 [EXP-1]		
	1750000940	S.DIO 1SS400 TE61 [CHN]		
	1750000940	S.DIO 1SS400 TE61 [THA-01]		
	1750000940	S.DIO 1SS400 TE61 [EUR-2]		
	1750000940	S.DIO 1SS400 TE61 [EXP-2]		
	1750000940	S.DIO 1SS400 TE61 [CHN-01]		
	1750000940	S.DIO 1SS400 TE61 [EXP-3]		
	1750000940	S.DIO 1SS400 TE61 [CHN-02]		
	1750000940	S.DIO 1SS400 TE61 [EUR-3]		
	1750000940	S.DIO 1SS400 TE61 [EXP-4]		
D67	1750000940	S.DIO 1SS400 TE61 [EXP]	T	66.3/43.4
	1750000940	S.DIO 1SS400 TE61 [THA]		
	1750000940	S.DIO 1SS400 TE61 [EXP-1]		
	1750000940	S.DIO 1SS400 TE61 [CHN]		
	1750000940	S.DIO 1SS400 TE61 [EXP-2]		
	1750000940	S.DIO 1SS400 TE61 [CHN-01]		
	1750000940	S.DIO 1SS400 TE61 [EXP-3]		
	1750000940	S.DIO 1SS400 TE61 [CHN-02]		
	1750000940	S.DIO 1SS400 TE61 [EXP-4]		

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

[MAIN UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
D68	1750000940	S.DIO 1SS400 TE61 [EUR]	T	65.0/43.4
	1750000940	S.DIO 1SS400 TE61 [EXP]		
	1750000940	S.DIO 1SS400 TE61 [EUR-1]		
	1750000940	S.DIO 1SS400 TE61 [EXP-1]		
	1750000940	S.DIO 1SS400 TE61 [CHN]		
	1750000940	S.DIO 1SS400 TE61 [THA-01]		
	1750000940	S.DIO 1SS400 TE61 [EUR-2]		
	1750000940	S.DIO 1SS400 TE61 [EXP-2]		
	1750000940	S.DIO 1SS400 TE61 [CHN-01]		
	1750000940	S.DIO 1SS400 TE61 [EXP-3]		
	1750000940	S.DIO 1SS400 TE61 [CHN-02]		
	1750000940	S.DIO 1SS400 TE61 [EUR-3]		
	1750000940	S.DIO 1SS400 TE61 [EXP-4]		
D69	1750000940	S.DIO 1SS400 TE61 [EXP]	T	63.7/43.4
	1750000940	S.DIO 1SS400 TE61 [EXP-1]		
	1750000940	S.DIO 1SS400 TE61 [CHN]		
	1750000940	S.DIO 1SS400 TE61 [EXP-2]		
	1750000940	S.DIO 1SS400 TE61 [KOR]		
	1750000940	S.DIO 1SS400 TE61 [CHN-01]		
	1750000940	S.DIO 1SS400 TE61 [EXP-3]		
	1750000940	S.DIO 1SS400 TE61 [CHN-02]		
	1750000940	S.DIO 1SS400 TE61 [EXP-4]		
D71	1750000940	S.DIO 1SS400 TE61	T	79.6/37.9
D72	1750000940	S.DIO 1SS400 TE61	B	101.7/6.5
FI1	2030000150	S.MON DSF753SB 46.350 MHz(FL-335)	B	94.4/25.05
FI2	2020001590	CER ALFY450F=K		
X2	6050011500	S.XTA CR-739 SX-1302 9.8304 MHz	B	46.1/4.6
X3	6070000300	S.DIS JTBM450CX24 <JJE>	T	96.8/26.0
X4	6050011940	S.XTA CR-783 TTS14VSB-A6 15.3 MHz	B	84.2/36.9
L1	6200012910	S.COI 0.35-1.6-8TL 45.5N <COMO>	B	116.7/6.0
L2	6200012470	S.COI 0.30-1.7-7TL 45.3N <COMO>	B	115.8/9.3
L4	6200012470	S.COI 0.30-1.7-7TL 45.3N <COMO>	B	117.8/13.5
L5	6200012880	S.COI 0.30-1.3-6TL 24.5N <COMO>	T	119.8/29.8
L6	6200007710	S.COI LQW2BHN27NJ03L	T	114.0/28.5
L7	6200005451	S.COI LL1608-FSL68NJ	T	101.8/22.7
L15	6200012910	S.COI 0.35-1.6-8TL 45.5N <COMO>	T	112.7/9.2
L16	6200012460	S.COI 0.30-1.7-8TL 54N <COMO>	B	111.4/3.3
L18	6200009930	S.COI C2012C-68NG-A	T	107.3/5.2
L19	6200009890	S.COI C2012C-82NG-A	T	102.7/3.6
L20	6200003271	S.COI NLV25T-R56J	B	97.2/17.1
L24	6200004870	S.COI ELJFC 2R7K-F	B	110.0/13.0
L26	6200003590	S.COI EXCCL3225U1	T	117.6/33.8
L29	6200009531	S.COI ELJRE R15GFA	B	94.2/12.6
L32	6200012390	S.COI 0.30-0.92-3TR 5.8N <COMO>	T	121.0/19.0
L37	6200006991	S.COI ELJRE 56NGFA	T	93.3/21.1
L38	6200007871	S.COI ELJRF 39NJFB	B	90.6/14.0
L40	6200009351	S.COI ELJRE R22GFA	B	87.0/21.6
L41	6200011031	S.COI ELJRF R10JFB	B	83.0/20.7
L42	6200011001	S.COI ELJRF 56NJFB	B	85.8/30.0
L43	6200007001	S.COI ELJRE 82NGFA	T	88.4/36.8
L44	6200010100	S.COI C2012C-33NG-A	B	76.9/25.8
L45	6200010210	S.COI C2012C-22NG-A	B	81.0/25.9
L46	6200001981	S.COI NLV25T-1R0J	B	79.5/31.2
L47	6200012880	S.COI 0.30-1.3-6TL 24.5N <COMO>	B	119.9/17.5
L48	6200005691	S.COI ELJRE 18NGFA	T	113.9/23.3
L49	6200005691	S.COI ELJRE 18NGFA	T	105.6/20.9
L50	6200003271	S.COI NLV25T-R56J	B	98.3/31.1
L51	6200004480	S.COI MLF1608D R82K-T	T	96.1/35.7
L55	6200003540	S.COI MLF1608D R22K-T	T	94.3/35.0
L56	6200010330	S.COI C2012C-R18G-A	B	110.1/6.6
L57	6200009930	S.COI C2012C-68NG-A	B	100.8/11.5
L58	6200010540	S.COI C2012C-47NG-A	T	113.5/6.0
L59	6200007871	S.COI ELJRF 39NJFB	B	91.8/13.0
R1	7030003670	S.RES ERJ3GEYJ 823 V (82K)	T	118.6/6.8
R5	7030003240	S.RES ERJ3GEYJ 220 V (22)	T	114.6/21.2
R7	7030004990	S.RES ERJ2GEJ 221 X (220)	T	108.3/20.6
R10	7030007260	S.RES ERJ2GEJ 330 X (33)	T	98.8/18.9
R11	7030007300	S.RES ERJ2GEJ 332 X (3.3K)	T	98.1/22.0
R12	7030007300	S.RES ERJ2GEJ 332 X (3.3K)	T	100.6/22.3
R13	7030007260	S.RES ERJ2GEJ 330 X (33)	T	100.9/25.0
R14	7030005040	S.RES ERJ2GEJ 472 X (4.7K)	T	96.8/20.5
R15	7030004980	S.RES ERJ2GEJ 101 X (100)	T	95.5/20.0
R16	7030005300	S.RES ERJ2GEJ 150 X (15)	T	95.5/21.0
R20	7030005220	S.RES ERJ2GEJ 223 X (22K)	B	87.2/28.7
R21	7030007290	S.RES ERJ2GEJ 222 X (2.2K)	B	85.3/28.7
R30	7030008400	S.RES ERJ2GEJ 182 X (1.8K)	T	86.7/19.9
R44	7030005050	S.RES ERJ2GEJ 103 X (10K)	T	74.9/17.9
R48	7030005050	S.RES ERJ2GEJ 103 X (10K)	B	78.2/35.7
R49	7030010040	S.RES ERJ2GEJ-JPW	B	80.8/37.1
R50	7030005700	S.RES ERJ2GEJ 274 X (270K)	B	79.8/37.1
R52	7030005090	S.RES ERJ2GEJ 104 X (100K)	T	108.5/11.7
R53	7030005050	S.RES ERJ2GEJ 103 X (10K)	T	109.3/13.0
R54	7030008300	S.RES ERJ2GEJ 184 X (180K)	T	104.1/16.6
R57	7030005110	S.RES ERJ2GEJ 224 X (220K)	T	109.9/4.3
R59	7030004980	S.RES ERJ2GEJ 101 X (100)	B	106.3/7.0
R61	7030005530	S.RES ERJ2GEJ 100 X (10)	T	107.6/7.4
R64	7030005110	S.RES ERJ2GEJ 224 X (220K)	T	103.6/6.1
R66	7030005110	S.RES ERJ2GEJ 224 X (220K)	T	101.1/4.1
R68	7030005040	S.RES ERJ2GEJ 472 X (4.7K)	B	92.2/16.0
R69	7030004980	S.RES ERJ2GEJ 101 X (100)	B	92.7/18.3
R70	7030008300	S.RES ERJ2GEJ 184 X (180K)	B	98.0/13.0
R71	7030005000	S.RES ERJ2GEJ 471 X (470)	B	96.2/19.9
R72	7030005310	S.RES ERJ2GEJ 124 X (120K)	B	101.5/14.4
R75	7030004990	S.RES ERJ2GEJ 221 X (220)	B	101.4/17.0
R77	7030004980	S.RES ERJ2GEJ 101 X (100)	B	93.2/20.1
R79	7030007280	S.RES ERJ2GEJ 331 X (330)	B	95.0/30.3
R80	7030005090	S.RES ERJ2GEJ 104 X (100K)	B	96.0/32.1

[MAIN UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
R81	7030005000	S.RES ERJ2GEJ 471 X (470)	B	102.6/30.9
R82	7030008410	S.RES ERJ2GEJ 392 X (3.9K)	T	97.9/30.3
R83	7030005000	S.RES ERJ2GEJ 471 X (470)	T	98.4/31.8
R84	7030009280	S.RES ERJ2GEJ 391 X	T	105.0/32.8
R85	7030005030	S.RES ERJ2GEJ 152 X (1.5K)	T	103.0/38.0
R86	7030005240	S.RES ERJ2GEJ 473 X (47K)	T	98.3/38.4
R87	7030007290	S.RES ERJ2GEJ 222 X (2.2K)	T	97.3/40.4
R88	7030005060	S.RES ERJ2GEJ 333 X (33K)	T	96.3/38.4
R93	7030005600	S.RES ERJ2GEJ 273 X (27K)	B	104.7/18.0
R94	7030005160	S.RES ERJ2GEJ 105 X (1M)	B	107.9/12.4
R95	7030007310	S.RES ERJ2GEJ 155 X (1.5M)	B	108.6/15.1
R97	7030005110	S.RES ERJ2GEJ 224 X (220K)	T	89.2/15.8
R98	7030005100	S.RES ERJ2GEJ 154 X (150K)	T	80.3/17.5
R99	7030008300	S.RES ERJ2GEJ 184 X (180K)	B	105.2/16.0
R100	7030005090	S.RES ERJ2GEJ 104 X (100K)	B	105.1/10.9
R101	7030005160	S.RES ERJ2GEJ 105 X (1M)	B	34.7/12.6
R102	7030005530	S.RES ERJ2GEJ 100 X (10)	B	36.0/13.1
R103	7030008010	S.RES ERJ2GEJ 123 X (12K)	B	31.6/13.8
R104	7030005090	S.RES ERJ2GEJ 104 X (100K)	B	104.9/15.0
R105	7030005000	S.RES ERJ2GEJ 471 X (470)	T	98.3/16.9
R107	7030005100	S.RES ERJ2GEJ 154 X (150K)	T	80.8/16.1
R108	7030005110	S.RES ERJ2GEJ 224 X (220K)	T	99.3/15.3
R112	7030005160	S.RES ERJ2GEJ 105 X (1M)	T	88.5/13.9
R113	7030005070	S.RES ERJ2GEJ 683 X (68K)	T	80.8/15.0
R114	7030008290	S.RES ERJ2GEJ 183 X (18K)	T	97.7/13.8
R115	7030005310	S.RES ERJ2GEJ 124 X (120K)	T	96.8/12.7
R117	7030005030	S.RES ERJ2GEJ 152 X (1.5K)	T	96.8/11.7
R120	7030005240	S.RES ERJ2GEJ 473 X (47K)	B	62.7/20.5
R121	7030005030	S.RES ERJ2GEJ 152 X (1.5K)	B	66.0/20.5
R122	7030009140	S.RES ERJ2GEJ 272 X (2.7K)	B	65.4/16.3
R123	7030005290	S.RES ERJ2GEJ 682 X (6.8K)	B	67.0/20.5
R126	7030005310	S.RES ERJ2GEJ 124 X (120K)	B	63.5/8.1
R127	7030007260	S.RES ERJ2GEJ 330 X (33)	B	67.5/14.6
R128	7030005530	S.RES ERJ2GEJ 100 X (10)	B	73.9/4.5
R130	7030005090	S.RES ERJ2GEJ 104 X (100K)	B	29.6/10.7
R131	7030008400	S.RES ERJ2GEJ 182 X (1.8K)	B	26.5/10.6
R132	7030005000	S.RES ERJ2GEJ 471 X (470)	B	93.8/2.1
R136	7030004980	S.RES ERJ2GEJ 101 X (100)	B	23.6/40.9
R137	7030004980	S.RES ERJ2GEJ 101 X (100)	B	20.7/17.0
R139	7030005050	S.RES ERJ2GEJ 103 X (10K)	B	110.5/35.0
R141	7030007290	S.RES ERJ2GEJ 222 X (2.2K)	B	107.2/32.2
R144	7030005220	S.RES ERJ2GEJ 223 X (22K)	B	82.4/3.1
R148	7030005090	S.RES ERJ2GEJ 104 X (100K)	B	30.0/14.2
R150	7030005000	S.RES ERJ2GEJ 471 X (470)	B	69.5/28.0
R155	7030004980	S.RES ERJ2GEJ 101 X (100)	T	67.8/1.9
R159	7030005090	S.RES ERJ2GEJ 104 X (100K)	B	105.1/11.9
R160	7030003340	S.RES ERJ3GEYJ 151 V (150)	B	109.3/9.6
R161	7030005220	S.RES ERJ2GEJ 223 X (22K)	T	111.9/14.0
R162	7030005220	S.RES ERJ2GEJ 223 X (22K)	T	111.9/15.0
R163	7030007290	S.RES ERJ2GEJ 222 X (2.2K)	T	111.9/13.0
R164	7030005090	S.RES ERJ2GEJ 104 X (100K)	B	26.9/29.0
R169	7030007350	S.RES ERJ2GEJ 393 X (39K)	T	76.3/18.3
R170	7030005050	S.RES ERJ2GEJ 103 X (10K)	T	79.5/13.5
R174	7030007340	S.RES ERJ2GEJ 153 X (15K)	T	93.5/2.9
R176	7030008410	S.RES ERJ2GEJ 392 X (3.9K)	B	103.4/17.5
R177	7030005120	S.RES ERJ2GEJ 102 X (1K)	T	100.3/16.6
R178	7030005110	S.RES ERJ2GEJ 224 X (220K)	B	107.2/15.5
R181	7030010080	S.RES ERJ2RHD 1003X (100K)	B	45.5/8.2
R182	7510001661	S.THR NTCG16 4LH 473JT	B	49.9/8.8
R184	7030005050	S.RES ERJ2GEJ 103 X (10K)	T	75.3/30.0
R185	7030005120	S.RES ERJ2GEJ 102 X (1K)	T	76.1/26.0
R186	7030005240	S.RES ERJ2GEJ 473 X (47K)	T	74.8/22.4
R187	7030005090	S.RES ERJ2GEJ 104 X (100K)	B	104.9/7.7
R193	7030005720	S.RES ERJ2GEJ 563 X (56K)	B	50.3/12.1
R194	7030005720	S.RES ERJ2GEJ 563 X (56K)	B	48.6/12.5
R195	7030005720	S.RES ERJ2GEJ 563 X (56K)	B	48.9/13.5
R196	7030005050	S.RES ERJ2GEJ 103 X (10K)	B	49.4/11.0
R204	7030005050	S.RES ERJ2GEJ 103 X (10K)	T	65.2/3.6
R205	7030005040	S.RES ERJ2GEJ 472 X (4.7K)	T	66.5/1.9
R210	7030008410	S.RES ERJ2GEJ 392 X (3.9K)	T	108.8/14.3
R222	7030005240	S.RES ERJ2GEJ 473 X (47K)	T	106.4/2.6
R224	7030007350	S.RES ERJ2GEJ 393 X (39K)	B	47.7/9.2
R225	7030005090	S.RES ERJ2GEJ 104 X (100K)	B	25.8/17.2
R227	7030008410	S.RES ERJ2GEJ 392 X (3.9K)	B	47.8/10.5
R228	7030005050	S.RES ERJ2GEJ 103 X (10K)	B	25.8/16.2
R240	7030005120	S.RES ERJ2GEJ 102 X (1K)	B	30.0/15.8
R244	7030005090	S.RES ERJ2GEJ 104 X (100K)	B	102.6/31.9
R245	7030005090	S.RES ERJ2GEJ 104 X (100K)	B	32.5/17.7
R246	7030005050	S.RES ERJ2GEJ 103 X (10K)	B	36.1/14.4
R251	7030005230	S.RES ERJ2GEJ 334 X (330K)	T	105.5/18.7
R252	7030005310	S.RES ERJ2GEJ 124 X (120K)	B	109.1/2.2
R257	7030010040	S.RES ERJ2GEJ-JPW	T	88.2/16.8
R258	7030008300	S.RES ERJ2GEJ 184 X (180K)	T	107.8/3.2
R259	7030005110	S.RES ERJ2GEJ 224 X (220K)	B	103.6/2.9
R260	7030005220	S.RES ERJ2GEJ 223 X (22K)	B	109.7/34.0
R261	7030005240	S.RES ERJ2GEJ 473 X (47K)	B	115.5/35.2
R262	7030004980	S.RES ERJ2GEJ 101 X (100)	B	98.7/20.4
R266	7030007340	S.RES ERJ2GEJ 153 X (15K)	B	23.9/17.5
R318	7030005070	S.RES ERJ2GEJ 683 X (68K)	B	51.5/37.3
R319	7030005070	S.RES ERJ2GEJ 683 X (68K)	B	47.5/36.1
R320	7030007340	S.RES ERJ2GEJ 153 X (15K)	B	47.5/37.1
R321	7030005050	S.RES ERJ2GEJ 103 X (10K)	B	50.2/38.4
R323	7030005050	S.RES ERJ2GEJ 103 X (10K)	B	45.5/37.9
R324	7030007570	S.RES ERJ2GEJ 122 X (1.2K)	B	45.7/39.6
R325	7030005070	S.RES ERJ2GEJ 683 X (68K)	B	49.3/40.6
R326	7030005070	S.RES ERJ2GEJ 683 X (68K)	B	51.5/39.1
R327	7030005090	S.RES ERJ2GEJ 104 X (100K)	B	45.1/36.6
R328	7030005110	S.RES ERJ2GEJ 224 X (220K)	B	101.0/28.5
R329	7030005240	S.RES ERJ2GEJ 473 X (47K)	B	100.5/30.0
R330	7030005050	S.RES ERJ2GEJ 103 X (10K)	B	117.6/37.6
R331	7030005050	S.RES ERJ2GEJ 103 X (10K)	B	119.5/38.9
R332	7030005290	S.RES ERJ2GEJ 682 X (6.8K)	B	119.3/35.0
R333	7030005160	S.RES ERJ2GEJ 105 X (1M)	B	122.8/30.4
R334	7030005160	S.RES ERJ2GEJ 105 X (1M)	B	120.8/34.3
R335	7030005160	S.RES ERJ2GEJ 105 X (1M)	B	117.9/35.8

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

[MAIN UNIT]

REF NO.	PARTS NO.	DESCRIPTION		M.	H/V LOCATION
R336	7030005090	S.RES	ERJ2GEJ 104 X (100K)	B	49.2/38.4
R337	7030007310	S.RES	ERJ2GEJ 155 X (1.5M)	T	88.0/18.6
R340	7030005040	S.RES	ERJ2GEJ 472 X (4.7K)	T	114.0/18.5
R341	7030005240	S.RES	ERJ2GEJ 473 X (47K)	T	115.5/18.7
R346	7030005090	S.RES	ERJ2GEJ 104 X (100K)	B	31.0/15.8
R357	7030007340	S.RES	ERJ2GEJ 153 X (15K)	T	112.2/18.6
R358	7030005600	S.RES	ERJ2GEJ 273 X (27K)	T	110.6/20.0
R362	7030005050	S.RES	ERJ2GEJ 103 X (10K)	B	29.8/32.3
R363	7030007300	S.RES	ERJ2GEJ 332 X (3.3K)	B	11.5/42.0
R364	7030005050	S.RES	ERJ2GEJ 103 X (10K)	B	10.2/40.1
R367	7030005160	S.RES	ERJ2GEJ 105 X (1M)	B	15.5/30.8
R368	7030005110	S.RES	ERJ2GEJ 224 X (220K)	B	15.0/32.0
R369	7030005160	S.RES	ERJ2GEJ 105 X (1M)	B	31.9/40.7
R370	7030005170	S.RES	ERJ2GEJ 474 X (470K)	B	33.1/40.2
R371	7030009270	S.RES	ERJ2GEJ 821 X (820)	B	10.2/24.8
R372	7030009290	S.RES	ERJ2GEJ 562 X (5.6K)	B	9.2/26.6
R373	7030005050	S.RES	ERJ2GEJ 103 X (10K)	B	13.2/23.1
R374	7030008370	S.RES	ERJ2GEJ 561 X (560)	B	12.2/23.1
R375	7030005160	S.RES	ERJ2GEJ 105 X (1M)	B	10.2/28.4
R376	7030004980	S.RES	ERJ2GEJ 101 X (100)	B	17.3/30.1
R377	7030008300	S.RES	ERJ2GEJ 184 X (180K)	B	38.7/38.9
R378	7030005240	S.RES	ERJ2GEJ 473 X (47K)	B	38.7/40.5
R379	7030005090	S.RES	ERJ2GEJ 104 X (100K)	B	38.8/42.0
R380	7030005170	S.RES	ERJ2GEJ 474 X (470K)	B	40.4/42.0
R381	7030005240	S.RES	ERJ2GEJ 473 X (47K)	B	27.1/42.4
R382	7030005240	S.RES	ERJ2GEJ 473 X (47K)	B	26.9/28.0
R384	7030005060	S.RES	ERJ2GEJ 333 X (33K)	B	22.7/6.0
R385	7030005240	S.RES	ERJ2GEJ 473 X (47K)	B	20.9/5.3
R386	7030005240	S.RES	ERJ2GEJ 473 X (47K)	B	17.4/32.7
R387	7030007300	S.RES	ERJ2GEJ 332 X (3.3K)	B	98.2/29.0
R388	7030005240	S.RES	ERJ2GEJ 473 X (47K)	T	92.3/24.9
R389	7030005240	S.RES	ERJ2GEJ 473 X (47K)	B	99.5/22.9
R397	7030008400	S.RES	ERJ2GEJ 182 X (1.8K)	T	97.0/16.1
R398	7030005090	S.RES	ERJ2GEJ 104 X (100K)	B	35.8/8.6
R402	7030010040	S.RES	ERJ2GEJ-JPW	T	89.9/29.1
R405	7030005090	S.RES	ERJ2GEJ 104 X (100K)	B	60.3/7.8
R406	7030005090	S.RES	ERJ2GEJ 104 X (100K)	B	57.2/5.7
R413	7030010040	S.RES	ERJ2GEJ-JPW	T	106.0/16.7
R417	7030010040	S.RES	ERJ2GEJ-JPW	B	91.0/18.5
R418	7030010040	S.RES	ERJ2GEJ-JPW	B	90.2/15.2
R419	7030005120	S.RES	ERJ2GEJ 102 X (1K)	B	89.7/16.5
R420	7030007290	S.RES	ERJ2GEJ 222 X (2.2K)	T	90.1/18.7
R421	7030010040	S.RES	ERJ2GEJ-JPW	T	89.6/20.0
R422	7030005000	S.RES	ERJ2GEJ 471 X (470)	B	85.9/20.2
R423	7030005050	S.RES	ERJ2GEJ 103 X (10K)	B	85.3/22.2
R424	7030005040	S.RES	ERJ2GEJ 472 X (4.7K)	B	86.4/24.9
R425	7030004980	S.RES	ERJ2GEJ 101 X (100)	B	84.6/25.3
R426	7030005000	S.RES	ERJ2GEJ 471 X (470)	B	79.5/20.7
R427	7030005050	S.RES	ERJ2GEJ 103 X (10K)	B	81.6/20.2
R428	7030008410	S.RES	ERJ2GEJ 392 X (3.9K)	B	81.7/22.7
R429	7030005710	S.RES	ERJ2GEJ 121 X (120)	B	81.1/21.5
R430	7030007250	S.RES	ERJ2GEJ 220 X (22)	B	86.4/25.9
R431	7030005050	S.RES	ERJ2GEJ 103 X (10K)	B	87.3/27.7
R432	7030007310	S.RES	ERJ2GEJ 155 X (1.5M)	T	90.9/38.0
R433	7030004970	S.RES	ERJ2GEJ 470 X (47)	B	78.0/19.7
R434	7030005050	S.RES	ERJ2GEJ 103 X (10K)	B	75.9/21.0
R435	7030009270	S.RES	ERJ2GEJ 821 X (820)	B	80.7/23.3
R436	7030007350	S.RES	ERJ2GEJ 393 X (39K)	B	77.6/24.2
R437	7030005040	S.RES	ERJ2GEJ 472 X (4.7K)	B	79.5/29.0
R438	7030005120	S.RES	ERJ2GEJ 102 X (1K)	B	80.5/29.2
R439	7030005240	S.RES	ERJ2GEJ 473 X (47K)	B	81.5/29.2
R440	7030005090	S.RES	ERJ2GEJ 104 X (100K)	B	76.9/29.5
R441	7030007320	S.RES	ERJ2GEJ 225 X (2.2M)	T	80.1/30.2
R442	7030005120	S.RES	ERJ2GEJ 102 X (1K)	T	78.8/30.7
R443	7030005220	S.RES	ERJ2GEJ 223 X (22K)	T	75.7/32.7
R444	7030005050	S.RES	ERJ2GEJ 103 X (10K)	T	75.7/33.7
R445	7030009290	S.RES	ERJ2GEJ 562 X (5.6K)	T	78.8/32.4
R446	7030005010	S.RES	ERJ2GEJ 681 X (680)	T	75.6/31.3
R447	7030005010	S.RES	ERJ2GEJ 681 X (680)	T	81.8/25.8
R448	7030007570	S.RES	ERJ2GEJ 122 X (1.2K)	T	83.1/26.8
R449	7030004980	S.RES	ERJ2GEJ 101 X (100)	T	83.1/28.4
R455	7030005090	S.RES	ERJ2GEJ 104 X (100K)	B	95.5/33.4
R456	7030010040	S.RES	ERJ2GEJ-JPW	B	95.5/34.4
R457	7030005050	S.RES	ERJ2GEJ 103 X (10K)	T	75.9/37.7
R458	7030005050	S.RES	ERJ2GEJ 103 X (10K)	T	77.4/37.0
R459	7030005050	S.RES	ERJ2GEJ 103 X (10K)	T	74.8/36.6
R460	7030008290	S.RES	ERJ2GEJ 183 X (18K)	T	81.0/36.8
R463	7030007060	S.RES	ERJ2GEJ 684X (680K)	T	93.2/32.2
R465	7030005120	S.RES	ERJ2GEJ 102 X (1K)	T	91.9/32.7
R466	7030005120	S.RES	ERJ2GEJ 102 X (1K)	T	106.4/6.8
R467	7030005110	S.RES	ERJ2GEJ 224 X (220K)	T	102.9/8.9
R469	7030005120	S.RES	ERJ2GEJ 102 X (1K)	B	89.5/35.5
R473	7030010040	S.RES	ERJ2GEJ-JPW [EXP]	B	54.2/29.3
	7030010040	S.RES	ERJ2GEJ-JPW [THA]		
	7030010040	S.RES	ERJ2GEJ-JPW [CSA]		
	7030010040	S.RES	ERJ2GEJ-JPW [EXP-1]		
	7030010040	S.RES	ERJ2GEJ-JPW [CHN]		
	7030010040	S.RES	ERJ2GEJ-JPW [THA-01]		
	7030010040	S.RES	ERJ2GEJ-JPW [CSA-1]		
	7030010040	S.RES	ERJ2GEJ-JPW [EXP-2]		
	7030010040	S.RES	ERJ2GEJ-JPW [CHN-01]		
	7030010040	S.RES	ERJ2GEJ-JPW [CSA-2]		
	7030010040	S.RES	ERJ2GEJ-JPW [EXP-3]		
	7030010040	S.RES	ERJ2GEJ-JPW [CHN-02]		
	7030010040	S.RES	ERJ2GEJ-JPW [CSA-3]		
	7030010040	S.RES	ERJ2GEJ-JPW [EXP-4]		
R474	7030005240	S.RES	ERJ2GEJ 473 X (47K)	B	32.0/15.4
R475	7030005240	S.RES	ERJ2GEJ 473 X (47K)	B	36.1/15.4
R476	7030005050	S.RES	ERJ2GEJ 103 X (10K)	B	28.8/32.3
R477	7030005050	S.RES	ERJ2GEJ 103 X (10K)	B	27.8/32.4
R478	7030005090	S.RES	ERJ2GEJ 104 X (100K)	B	26.9/30.0
R479	7030005090	S.RES	ERJ2GEJ 104 X (100K)	B	26.9/31.0
R480	7030004980	S.RES	ERJ2GEJ 101 X (100)	B	20.7/18.0
R482	7030005160	S.RES	ERJ2GEJ 105 X (1M)	B	25.1/32.5
R483	7030005160	S.RES	ERJ2GEJ 105 X (1M)	B	25.1/31.5

[MAIN UNIT]

REF NO.	PARTS NO.	DESCRIPTION		M.	H/V LOCATION
R484	7030005160	S.RES	ERJ2GEJ 105 X (1M)	B	25.1/30.5
R485	7030005160	S.RES	ERJ2GEJ 105 X (1M)	B	9.2/40.1
R486	7030005160	S.RES	ERJ2GEJ 105 X (1M)	T	94.5/11.2
R487	7030005220	S.RES	ERJ2GEJ 223 X (22K)	T	76.1/36.1
R488	7030005220	S.RES	ERJ2GEJ 223 X (22K)	T	79.3/35.5
R489	7030005220	S.RES	ERJ2GEJ 223 X (22K)	T	77.2/38.2
R491	7030005110	S.RES	ERJ2GEJ 224 X (220K)	B	45.0/10.5
R492	7030005120	S.RES	ERJ2GEJ 102 X (1K)	B	44.3/9.5
R493	7030005120	S.RES	ERJ2GEJ 102 X (1K)	B	44.2/8.5
R494	7030005120	S.RES	ERJ2GEJ 102 X (1K)	B	40.2/11.3
R495	7030005120	S.RES	ERJ2GEJ 102 X (1K)	B	40.9/8.1
R496	7030007340	S.RES	ERJ2GEJ 153 X (15K)	B	19.3/31.2
R497	7030007320	S.RES	ERJ2GEJ 225 X (2.2M)	B	20.3/27.7
R498	7030005080	S.RES	ERJ2GEJ 823 X (82K)	B	19.0/27.4
R499	7030005080	S.RES	ERJ2GEJ 823 X (82K)	B	19.0/25.8
R500	7030010010	S.RES	ERJ2RKF 334 X (330K)	B	37.5/10.5
R501	7030005471	S.RES	ERA3YKD 244V (240K)	B	38.0/8.6
R502	7030005120	S.RES	ERJ2GEJ 102 X (1K)	B	37.7/12.4
R503	7030004980	S.RES	ERJ2GEJ 101 X (100)	T	108.9/9.6
R504	7030005220	S.RES	ERJ2GEJ 223 X (22K)	T	78.2/39.5
R505	7030007270	S.RES	ERJ2GEJ 151 X (150)	T	91.6/30.0
R506	7030005240	S.RES	ERJ2GEJ 473 X (47K)	B	38.4/37.6
R507	7030005090	S.RES	ERJ2GEJ 104 X (100K)	B	37.9/36.4
R508	7030005090	S.RES	ERJ2GEJ 104 X (100K)	B	20.7/16.0
R509	7030005170	S.RES	ERJ2GEJ 474 X (470K)	B	20.2/14.6
R510	7030005240	S.RES	ERJ2GEJ 473 X (47K)	B	18.2/16.5
R511	7030008300	S.RES	ERJ2GEJ 184 X (180K)	B	16.7/14.6
R512	7030004970	S.RES	ERJ2GEJ 470 X (47)	T	107.3/20.6
R513	7030005070	S.RES	ERJ2GEJ 683 X (68K)	B	65.9/14.6
R514	7030004980	S.RES	ERJ2GEJ 101 X (100)	B	78.5/37.2
R515	7030010040	S.RES	ERJ2GEJ-JPW	B	25.4/41.8
R516	7030005310	S.RES	ERJ2GEJ 124 X (120K)	B	96.8/15.1
R517	7030005090	S.RES	ERJ2GEJ 104 X (100K)	B	95.8/15.1
R518	7030005050	S.RES	ERJ2GEJ 103 X (10K)	T	75.9/38.7
C1	4030006980	S.CER	C1608 CH 1H 070D-T	B	119.4/6.3
C2	4030009530	S.CER	C1608 CH 1H 030B-T	B	116.4/3.9
C3	4030007060	S.CER	C1608 CH 1H 270J-T	B	118.6/8.6
C4	4030009920	S.CER	C1608 CH 1H 050B-T	B	113.7/8.7
C5	4030007050	S.CER	C1608 CH 1H 220J-T	B	118.6/10.6
C8	4030006860	S.CER	C1608 JB 1H 102K-T	B	113.1/10.6
C10	4030017460	S.CER	C1005 JB 1H 102K-T	T	110.6/12.5
C13	4030017460	S.CER	C1005 JB 1H 102K-T	T	114.2/19.5
C14	4030016790	S.CER	C1005 JB 1E 103K-T	T	118.0/30.1
C15	4030007090	S.CER	C1608 CH 1H 470J-T	T	113.1/25.2
C17	4030017460	S.CER	C1005 JB 1H 102K-T	T	109.3/20.6
C18	4030017460	S.CER	C1005 JB 1H 102K-T	B	113.3/18.6
C19	4030016790	S.CER	C1005 JB 1E 103K-T	T	115.9/29.0
C20	4030017460	S.CER	C1005 JB 1H 102K-T	T	119.8/35.9
C21	4550006480	S.TAN	TEESVA 1C 475M8R	T	113.7/31.4
C22	4030017430	S.CER	C1005 CH 1H 101J-T	T	103.9/19.9
C23	4030017460	S.CER	C1005 JB 1H 102K-T	T	99.8/18.9
C24	4030017460	S.CER	C1005 JB 1H 102K-T	T	100.6/26.7
C25	4030017460	S.CER	C1005 JB 1H 102K-T	T	98.1/21.0
C26	4030017460	S.CER	C1005 JB 1H 102K-T	T	96.8/18.7
C50	4550006250	S.TAN	TEESVA 1A 106M8R	T	82.0/21.1
C52	4030007080	S.CER	C1608 CH 1H 390J-T	T	115.5/9.2
C54	4030017460	S.CER	C1005 JB 1H 102K-T	T	91.9/33.7
C70	4030017460	S.CER	C1005 JB 1H 102K-T	B	79.5/35.2
C73	4030016930	S.CER	C1005 JB 1A 104K-T	T	109.5/11.7
C75	4030016930	S.CER	C1005 JB 1A 104K-T	T	104.1/17.6
C76	4030007040	S.CER	C1608 CH 1H 180J-T	T	115.5/10.8
C79	4030017580	S.CER	C1005 CH 1H 060C-T	B	112.7/5.7
C81	4030017440	S.CER	C1005 CH 1H 221J-T	T	110.9/4.3
C82	4030017460	S.CER	C1005 JB 1H 102K-T	T	109.8/5.6
C87	4030016790	S.CER	C1005 JB 1E 103K-T	B	106.3/6.0
C88	4030017460	S.CER	C1005 JB 1H 102K-T	B	107.5/6.4
C89	4030017460	S.CER	C1005 JB 1H 102K-T	B	104.7/5.3
C90	4030017460	S.CER	C1005 JB 1H 102K-T	T	110.0/6.6
C92	4030017690	S.CER	C1005 CH 1H 121J-T	T	104.6/5.3
C93	4030017460	S.CER	C1005 JB 1H 102K-T	T	102.4/6.6
C94	4030017310	S.CER	C1005 CH 1H 010B-T	B	103.5/5.5
C95	4030017460	S.CER	C1005 JB 1H 102K-T	T	99.9/4.6
C96	4030017680	S.CER	C1005 CH 1H 820J-T	B	101.7/4.4
C97	4030017340	S.CER	C1005 CH 1H 010B-T	B	102.7/4.2
C99	4030017460	S.CER	C1005 JB 1H 102K-T	B	92.2/17.0
C102	4030017600	S.CER	C1005 CH 1H 080C-T	B	93.1/12.3
C104	4030017460	S.CER	C1005 JB 1H 102K-T	B	100.1/16.7
C105	4030016790	S.CER	C1005 JB 1E 103K-T	B	100.1/17.7
C106	4030017390	S.CER	C1005 CH 1H 180J-T	B	96.2/18.9
C107	4030017460	S.CER	C1005 JB 1H 102K-T	B	94.6/17.7
C108	4030016790	S.CER	C1005 JB 1E 103K-T	B	94.6/16.7
C111	4030016790	S.CER	C1005 JB 1E 103K-T	B	93.1/32.4
C112	4030017460	S.CER	C1005 JB 1H 102K-T	T	97.4/32.8
C113	4030017460	S.CER	C1005 JB 1H 102K-T	T	97.1/31.3
C114	4030017040	S.CER	C1005 JB 1A 333K-T	T	102.2/29.0
C115	4030017460	S.CER	C1005 JB 1H 102K-T	B	99.6/33.7
C116	4030017680	S.CER	C1005 CH 1H 820J-T	T	101.1/29.0
C117	4030017460	S.CER	C1005 JB 1H 102K-T	T	95.6/30.3
C118	4030016790	S.CER	C1005 JB 1E 103K-T	T	103.0/39.0
C119	4030018860	S.CER	C1005 JB 0J 105K-T	T	93.5/30.0
C120	4030016930	S.CER	C1005 JB 1A 104K-T	T	100.5/38.3
C121	4030017440	S.CER	C1005 CH 1H 221J-T	T	97.3/39.4
C122	4030017440	S.CER	C1005 CH 1H 221J-T	T	97.3/37.4
C123	4030017460	S.CER	C1005 JB 1H 102K-T	B	70.9/38.6
C124	4030016790	S.CER	C1005 JB 1E 103K-T	B	104.7/17.0
C125	4030017760	S.CER	C1005 JB 1H 222K-T	B	109.6/16.1
C126	4030018110	S.CER	C1005 JB 1H 272K-T	B	110.6/16.1
C128	4030016930	S.CER	C1005 JB 1A 104K-T	T	81.5/13.5
C129	4550002960	S.TAN	TEESVA 1C 155M8R	B	104.9/13.5
C131	4030016790	S.CER	C1005 JB 1E 103K-T	T	88.1/11.7
C132	4030018240	S.CER	C1005 JB 1H 562K-T	B	23.9/15.8
C133	4030016930	S.CER	C1005 JB 1A 104K-T	T	96.9/17.4
C134	4030017440	S.CER	C1005 CH 1H 221J-T	T	98.3/15.3

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

[MAIN UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
C135	4030017450	S.CER C1005 JB 1H 271K-T	T	98.1/12.2
C136	4030018240	S.CER C1005 JB 1H 562K-T	T	96.1/13.8
C137	4030017040	S.CER C1005 JB 1A 333K-T	T	95.5/12.2
C138	4030017460	S.CER C1005 JB 1H 102K-T	B	104.6/3.0
C139	4030018860	S.CER C1005 JB 0J 105K-T	B	63.8/20.5
C144	4030017460	S.CER C1005 JB 1H 102K-T	B	30.3/17.4
C145	4510008540	S.ELE EEE1CA100SR	B	61.9/11.0
C147	4030016950	S.CER C1005 JB 1A 473K-T	B	30.6/10.7
C149	4030016790	S.CER C1005 JB 1E 103K-T	B	63.5/6.1
C150	4550000460	S.TAN TEESVA 1C 105M8R	B	68.9/16.2
C152	4030016950	S.CER C1005 JB 1A 473K-T	B	72.6/4.0
C153	4510008500	S.ELE EEE1CA101WP	B	80.8/11.1
C154	4550006220	S.TAN TEESVA 0J 156M8R	B	27.2/6.8
C161	4030016790	S.CER C1005 JB 1E 103K-T	B	111.6/31.5
C162	4030016790	S.CER C1005 JB 1E 103K-T	B	109.2/35.3
C163	4030017460	S.CER C1005 JB 1H 102K-T	B	83.4/3.1
C164	4030017460	S.CER C1005 JB 1H 102K-T	B	72.1/2.7
C165	4030017460	S.CER C1005 JB 1H 102K-T	B	92.6/7.5
C166	4030017460	S.CER C1005 JB 1H 102K-T	B	93.8/4.1
C167	4030017420	S.CER C1005 CH 1H 470J-T	B	93.8/5.1
C168	4030017460	S.CER C1005 JB 1H 102K-T	B	92.2/9.5
C169	4030017460	S.CER C1005 JB 1H 102K-T	B	84.3/6.9
C171	4030016930	S.CER C1005 JB 1A 104K-T	B	65.5/5.9
C173	4510008500	S.ELE EEE1CA101WP	B	111.9/39.9
C174	4510008660	S.ELE EEE0JA220SR	B	117.5/32.1
C179	4030016790	S.CER C1005 JB 1E 103K-T	T	106.0/17.7
C193	4030017530	S.CER C1005 CH 1H 0R5B-T	B	33.6/13.6
C194	4030017600	S.CER C1005 CH 1H 080C-T	B	35.6/11.6
C195	4030017500	S.CER C1005 CH 1H 560J-T	B	33.1/12.6
C197	4030016930	S.CER C1005 JB 1A 104K-T	B	33.1/14.9
C199	4030016930	S.CER C1005 JB 1A 104K-T	B	46.6/11.0
C204	4030017460	S.CER C1005 JB 1H 102K-T	B	111.4/8.4
C205	4030006860	S.CER C1608 JB 1H 102K-T	B	114.6/13.2
C209	4030016930	S.CER C1005 JB 1A 104K-T	B	29.0/8.8
C212	4030016790	S.CER C1005 JB 1E 103K-T	T	79.0/18.0
C213	4550002890	S.TAN TEESVA 1A 225M8R	T	77.3/16.4
C214	4030017040	S.CER C1005 JB 1A 333K-T	T	80.5/13.5
C216	4030018920	S.CER C1005 JB 1H 392K-T	B	39.6/37.2
C217	4030016930	S.CER C1005 JB 1A 104K-T	T	101.3/17.6
C219	4030017040	S.CER C1005 JB 1A 333K-T	B	46.5/8.7
C230	4030017030	S.CER C1005 JB 1A 273K-T	B	27.5/16.2
C232	4030016930	S.CER C1005 JB 1A 104K-T	B	50.0/10.0
C233	4030017460	S.CER C1005 JB 1H 102K-T	T	74.8/21.4
C234	4030017460	S.CER C1005 JB 1H 102K-T	T	75.8/24.7
C236	4030016790	S.CER C1005 JB 1E 103K-T	B	67.9/28.0
C243	4030017460	S.CER C1005 JB 1H 102K-T	B	112.3/16.6
C244	4030016790	S.CER C1005 JB 1E 103K-T	B	65.8/29.5
C245	4030016790	S.CER C1005 JB 1E 103K-T	B	59.5/38.7
C249	4030016790	S.CER C1005 JB 1E 103K-T	B	50.9/41.1
C251	4030017460	S.CER C1005 JB 1H 102K-T	T	111.9/16.0
C252	4030017460	S.CER C1005 JB 1H 102K-T	T	113.1/13.5
C277	4030017580	S.CER C1005 CH 1H 060C-T	B	108.8/4.4
C278	4030007040	S.CER C1608 CH 1H 180J-T	B	114.6/14.5
C281	4030010760	S.CER C1608 CH 1H 331J-T	B	118.1/16.2
C282	4030017460	S.CER C1005 JB 1H 102K-T	T	109.4/34.3
C283	4030017760	S.CER C1005 JB 1H 222K-T	T	119.8/34.9
C285	4030009650	S.CER C1608 CH 1H 240J-T	B	116.8/16.4
C287	4030007050	S.CER C1608 CH 1H 220J-T	B	121.4/14.7
C288	4030017460	S.CER C1005 JB 1H 102K-T	B	111.4/9.4
C289	4030017460	S.CER C1005 JB 1H 102K-T	T	121.5/30.1
C293	4030016930	S.CER C1005 JB 1A 104K-T	T	82.3/37.3
C296	4030017730	S.CER C1005 JB 1H 471K-T	B	35.8/10.6
C297	4030016790	S.CER C1005 JB 1E 103K-T	B	35.8/9.6
C298	4550005980	S.TAN TEESVA 1A 475M8R	B	109.9/18.5
C299	4030017730	S.CER C1005 JB 1H 471K-T	B	93.8/3.1
C300	4030017460	S.CER C1005 JB 1H 102K-T	B	84.8/30.0
C301	4030017460	S.CER C1005 JB 1H 102K-T	T	88.5/21.3
C303	4030017460	S.CER C1005 JB 1H 102K-T	T	103.2/29.0
C304	4030016950	S.CER C1005 JB 1A 473K-T	B	22.7/17.0
C305	4030017730	S.CER C1005 JB 1H 471K-T	T	111.3/36.6
C351	4030017570	S.CER C1005 CH 1H 040B-T	B	97.7/21.5
C369	4030017040	S.CER C1005 JB 1A 333K-T	B	49.2/36.8
C370	4030018080	S.CER C1005 JB 1H 182K-T	B	46.2/36.6
C372	4030016970	S.CER C1005 JB 1E 223K-T	B	44.2/38.4
C373	4030017790	S.CER C1005 JB 1H 682K-T	B	52.8/38.6
C374	4030017760	S.CER C1005 JB 1H 222K-T	B	43.8/36.6
C375	4030017460	S.CER C1005 JB 1H 102K-T	B	102.2/29.7
C376	4030017460	S.CER C1005 JB 1H 102K-T	T	109.9/36.8
C377	4550006350	S.TAN TEESVB2 1A 226M8R	T	119.8/39.2
C378	4030016930	S.CER C1005 JB 1A 104K-T	B	121.4/39.2
C379	4030017460	S.CER C1005 JB 1H 102K-T	T	117.3/41.8
C380	4510008660	S.ELE EEE0JA220SR	B	118.3/41.8
C381	4550006250	S.TAN TEESVA 1A 106M8R	T	110.7/42.6
C385	4030016930	S.CER C1005 JB 1A 104K-T	B	120.8/33.3
C386	4030017590	S.CER C1005 CH 1H 070C-T	T	97.3/36.1
C387	4030017360	S.CER C1005 CH 1H 030B-T	T	97.7/34.8
C398	4550005980	S.TAN TEESVA 1A 475M8R	B	106.0/30.6
C399	4030017770	S.CER C1005 JB 1H 332K-T	B	62.9/7.1
C400	4030017760	S.CER C1005 JB 1H 222K-T	T	111.3/37.6
C401	4030016790	S.CER C1005 JB 1E 103K-T	B	18.5/40.6
C402	4030016930	S.CER C1005 JB 1A 104K-T	B	16.5/41.0
C404	4550007080	S.TAN TEESVA 1C 106M8R	B	17.7/42.5
C405	4030017460	S.CER C1005 JB 1H 102K-T	B	13.1/37.8
C406	4550007520	S.TAN F931A106MAABMA	B	10.4/30.7
C407	4550006250	S.TAN TEESVA 1A 106M8R	B	10.4/32.8
C408	4030017460	S.CER C1005 JB 1H 102K-T	B	15.5/26.7
C409	4030018860	S.CER C1005 JB 0J 105K-T	B	10.2/23.1
C410	4030016930	S.CER C1005 JB 1A 104K-T	B	13.2/24.9
C411	4030016930	S.CER C1005 JB 1A 104K-T	B	10.2/26.6
C412	4030016790	S.CER C1005 JB 1E 103K-T	B	34.1/40.2
C413	4030017460	S.CER C1005 JB 1H 102K-T	B	29.8/42.5
C414	4030017460	S.CER C1005 JB 1H 102K-T	B	14.5/13.3
C415	4030017460	S.CER C1005 JB 1H 102K-T	B	22.7/18.0
C416	4030017460	S.CER C1005 JB 1H 102K-T	B	19.8/8.3
C417	4030016930	S.CER C1005 JB 1A 104K-T	B	98.2/28.0
C418	4030016930	S.CER C1005 JB 1A 104K-T	B	99.5/21.9
C421	4030016930	S.CER C1005 JB 1A 104K-T	T	105.0/34.6
C422	4030016930	S.CER C1005 JB 1A 104K-T	T	101.7/38.6
C423	4030017490	S.CER C1608 JB 1A 105K-T	T	95.9/14.9
C424	4030016790	S.CER C1005 JB 1E 103K-T	B	34.0/11.2
C425	4030016790	S.CER C1005 JB 1E 103K-T	B	52.9/31.0
C429	4030018860	S.CER C1005 JB 0J 105K-T	B	92.1/35.3
C430	4030016790	S.CER C1005 JB 1E 103K-T	T	89.5/27.9
C431	4030017460	S.CER C1005 JB 1H 102K-T	B	59.8/6.1
C432	4030018860	S.CER C1005 JB 0J 105K-T	B	58.8/6.1
C433	4030017390	S.CER C1005 CH 1H 180J-T	T	93.1/20.0
C434	4030017390	S.CER C1005 CH 1H 180J-T	T	95.5/22.0
C435	4030017640	S.CER C1005 CH 1H 150J-T	B	93.1/13.9
C437	4030017640	S.CER C1005 CH 1H 150J-T	B	88.9/14.7
C438	4030017460	S.CER C1005 JB 1H 102K-T	B	88.1/16.5
C439	4030017340	S.CER C1005 CH 1H 010B-T	T	90.5/22.3
C440	4030017600	S.CER C1005 CH 1H 080C-T	B	87.9/20.2
C441	4030017460	S.CER C1005 JB 1H 102K-T	B	84.6/20.2
C442	4030017460	S.CER C1005 JB 1H 102K-T	B	86.9/20.2
C443	4030017420	S.CER C1005 CH 1H 470J-T	T	77.4/20.8
C444	4030017570	S.CER C1005 CH 1H 040B-T	B	85.1/24.0
C445	4030017530	S.CER C1005 CH 1H 0R5B-T	B	85.1/26.5
C446	4030017400	S.CER C1005 CH 1H 220J-T	B	84.1/24.0
C447	4030017340	S.CER C1005 CH 1H 010B-T	B	83.0/19.7
C448	4030017340	S.CER C1005 CH 1H 010B-T	B	79.3/21.9
C449	4030017460	S.CER C1005 JB 1H 102K-T	T	88.5/23.0
C450	4030017460	S.CER C1005 JB 1H 102K-T	B	80.0/19.7
C451	4030017360	S.CER C1005 CH 1H 030B-T	B	87.9/26.4
C452	4030017570	S.CER C1005 CH 1H 040B-T	B	87.4/31.8
C453	4030017420	S.CER C1005 CH 1H 470J-T	B	85.7/31.3
C454	4030017360	S.CER C1005 CH 1H 030B-T	T	88.4/38.0
C455	4030017360	S.CER C1005 CH 1H 030B-T	T	90.9/37.0
C456	4030007040	S.CER C1608 CH 1H 180J-T	B	79.5/23.6
C457	4030007050	S.CER C1608 CH 1H 220J-T	B	77.7/23.1
C458	4030017460	S.CER C1005 JB 1H 102K-T	B	76.2/19.7
C459	4030017460	S.CER C1005 JB 1H 102K-T	T	79.0/19.6
C460	4030007020	S.CER C1608 CH 1H 120J-T	B	75.8/23.2
C461	4030017460	S.CER C1005 JB 1H 102K-T	B	79.0/26.2
C462	4030017460	S.CER C1005 JB 1H 102K-T	B	83.1/27.1
C463	4030017460	S.CER C1005 JB 1H 102K-T	B	91.4/20.1
C464	4030006910	S.CER C1608 CH 1H 0R5C-T	B	75.8/29.4
C465	4030017460	S.CER C1005 JB 1H 102K-T	B	78.2/28.7
C466	4030007110	S.CER C1608 CH 1H 680J-T	B	115.5/18.6
C467	4030007010	S.CER C1608 CH 1H 100D-T	T	122.9/21.9
C471	4030011600	S.CER C1608 JB 1E 104K-T	T	77.9/33.6
C472	4550004040	S.TAN TEESVA 0J 685M8R	T	78.4/24.7
C473	4550000550	S.TAN TEESVA 1V 224M8R	T	85.0/24.5
C474	4550000530	S.TAN TEESVA 1V 104M8R	T	77.2/29.8
C475	4030017460	S.CER C1005 JB 1H 102K-T	T	76.9/24.7
C476	4030017460	S.CER C1005 JB 1H 102K-T	T	80.0/25.5
C478	4030017460	S.CER C1005 JB 1H 102K-T	B	97.7/19.4
C479	4030016790	S.CER C1005 JB 1E 103K-T	B	95.0/32.1
C482	4030017460	S.CER C1005 JB 1H 102K-T	B	101.1/31.3
C486	4030016930	S.CER C1005 JB 1A 104K-T	T	91.5/29.0
C487	4030017420	S.CER C1005 CH 1H 470J-T	T	83.7/36.8
C488	4030017730	S.CER C1005 JB 1H 471K-T	T	85.5/36.8
C489	4030017460	S.CER C1005 JB 1H 102K-T	T	91.4/28.0
C491	4030017500	S.CER C1005 CH 1H 560J-T	T	94.7/37.1
C492	4030017570	S.CER C1005 CH 1H 040B-T	T	94.7/36.1
C493	4030017460	S.CER C1005 JB 1H 102K-T	T	92.3/23.9
C496	4030016790	S.CER C1005 JB 1E 103K-T	T	93.4/36.4
C497	4030017380	S.CER C1005 CH 1H 050B-T	T	92.0/31.3
C499	4030017360	S.CER C1005 CH 1H 030B-T	T	106.4/3.6
C500	4030018860	S.CER C1005 JB 0J 105K-T	T	108.7/7.4
C502	4030017350	S.CER C1005 CH 1H 020B-T	B	103.9/6.7
C503	4030017340	S.CER C1005 CH 1H 010B-T	B	102.9/6.7
C504	4030017340	S.CER C1005 CH 1H 010B-T	B	102.8/8.4
C505	4030017430	S.CER C1005 CH 1H 101J-T	T	103.6/9.9
C506	4030017460	S.CER C1005 JB 1H 102K-T	T	93.8/9.9
C507	4030017350	S.CER C1005 CH 1H 020B-T	B	101.7/9.3
C509	4030017460	S.CER C1005 JB 1H 102K-T	B	89.0/36.8
C510	4030007120	S.CER C1608 CH 1H 820J-T	T	119.3/17.7
C511	4030017460	S.CER C1005 JB 1H 102K-T	B	101.5/22.2
C512	4030017460	S.CER C1005 JB 1H 102K-T	T	108.3/17.2
C514	4030018520	S.CER C1608 JB 0J 225M-T	B	30.7/12.6
C515	4030016930	S.CER C1005 JB 1A 104K-T	B	34.1/14.9
C516	4030007030	S.CER C1608 CH 1H 150J-T	T	116.4/6.0
C517	4030018860	S.CER C1005 JB 0J 105K-T	B	13.5/13.3
C518	4030017460	S.CER C1005 JB 1H 102K-T	T	81.1/31.2
C519	4340000260	S.MYL ECPU1C104MA5	B	82.8/31.4
C521	4030017460	S.CER C1005 JB 1H 102K-T	T	91.8/35.0
C522	4030018860	S.CER C1005 JB 0J 105K-T	B	77.2/39.1
C523	4030018860	S.CER C1005 JB 0J 105K-T	B	78.3/39.1
C524	4030017460	S.CER C1005 JB 1H 102K-T	B	42.7/9.2
C525	4030017460	S.CER C1005 JB 1H 102K-T	B	41.7/9.4
C526	4030017460	S.CER C1005 JB 1H 102K-T	B	40.7/10.0
C527	4030017460	S.CER C1005 JB 1H 102K-T	B	39.4/9.5
C528	4030017460	S.CER C1005 JB 1H 102K-T	B	18.6/29.5
C529	4030017720	S.CER C1005 JB 1H 331K-T	B	20.3/26.7
C530	4030018860	S.CER C1005 JB 0J 105K-T	B	20.0/24.9
C531	4030016790	S.CER C1005 JB 1E 103K-T	B	38.9/11.9
C532	4030017460	S.CER C1005 JB 1H 102K-T	B	21.5/27.3
C533	4030017400	S.CER C1005 CH 1H 220J-T	B	97.7/26.6
C534	4030017650	S.CER C1005 CH 1H 270J-T	B	90.2/13.0
C535	4030016930	S.CER C1005 JB 1A 104K-T	B	15.7/13.9
C536	4030009510	S.CER C1608 CH 1H 010B-T	T	117.2/15.3
C537	4030009510	S.CER C1608 CH 1H 010B-T	T	117.0/13.4
C538	4030017460	S.CER C1005 JB 1H 102K-T	B	100.4/13.1
C539	4030017460	S.CER C1005 JB 1H 102K-T	B	95.7/12.3
C540	4030017780	S.CER C1005 JB 1H 472K-T	B	63.9/5.1
J2	6450001680	CON HSJ1122-010010		
J3	6450002250	CON HSJ1456-010320		
J5	6510021970	S.CON AXN330C130P	B	23.8/36.6

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

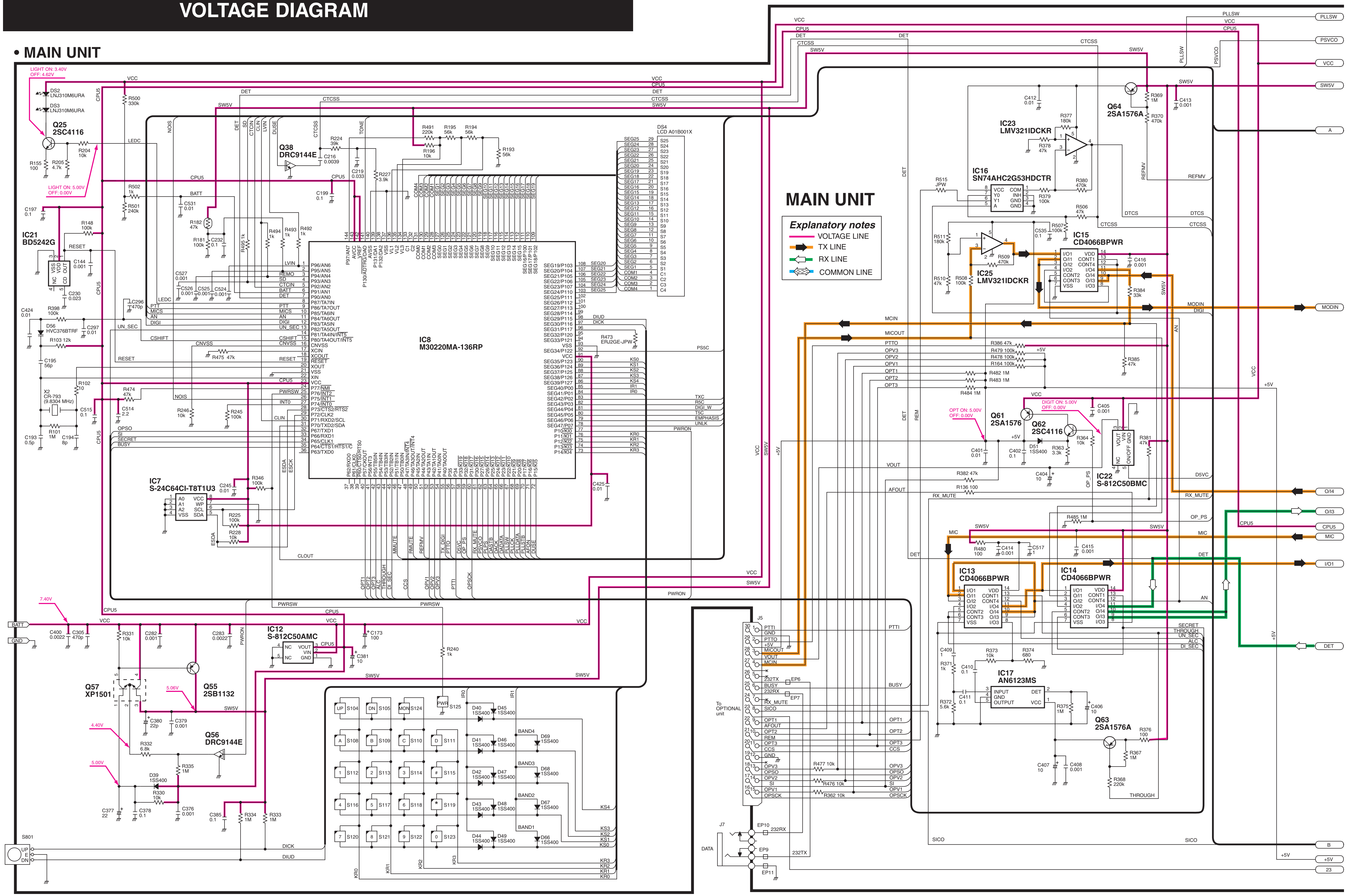
[MAIN UNIT]

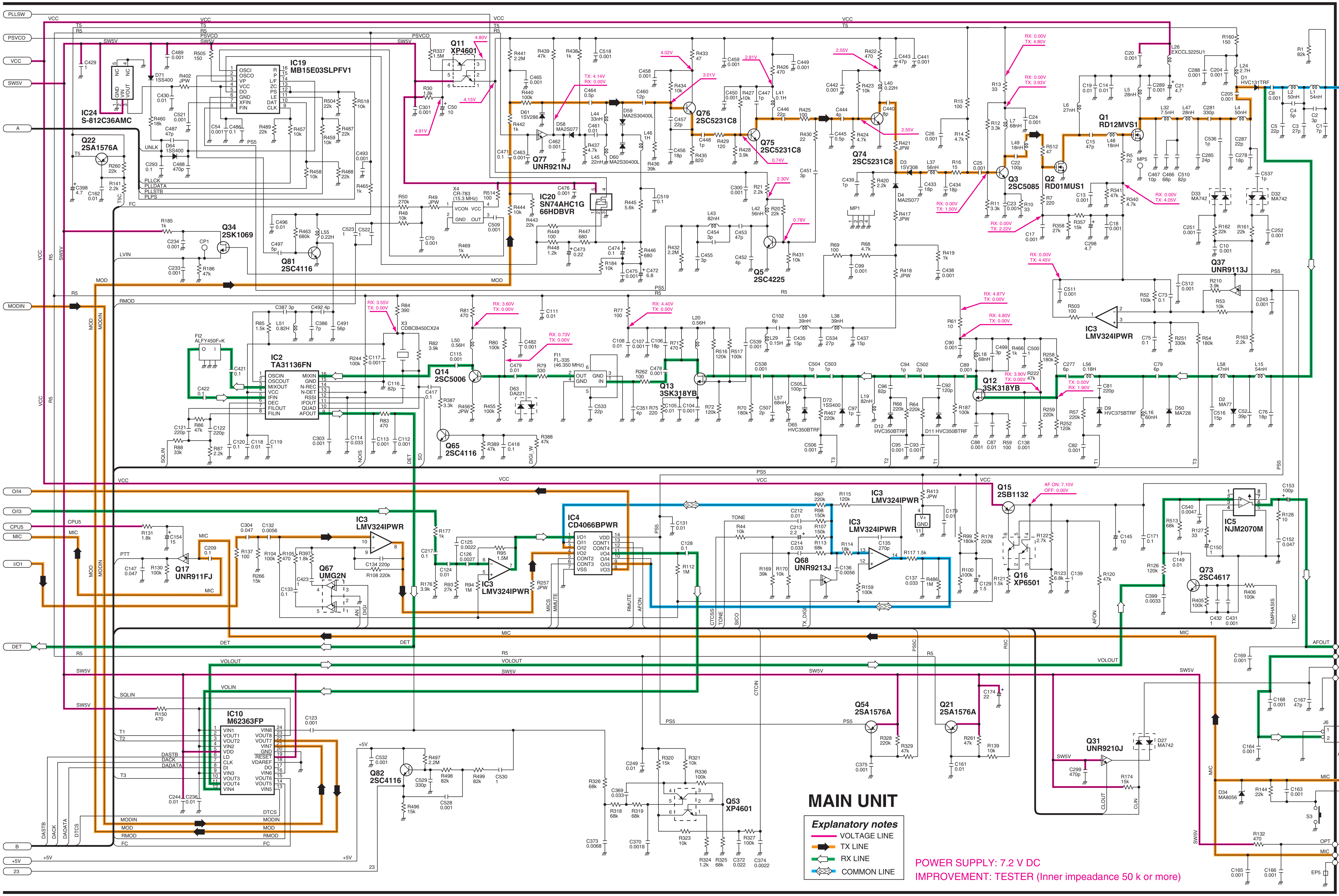
REF NO.	PARTS NO.	DESCRIPTION		M.	H/V LOCATION
J6	6510021901	S.CON	BM02B-ASRS-TF(LF)(SN)	T	71.5/4.0
J7	6510024580	S.CON	HSJ1621-019011	B	12.6/1.9
DS2	5010000160	S.LED	LNJ310M6URA	T	64.1/38.9
DS3	5010000160	S.LED	LNJ310M6URA	T	64.1/7.1
DS4	5030002801	LCD	A01B001A 2826 LCD		
MC1	7700002700	MIC	EM9445P-45-LF <HOR>		
S3	2260002840	SWI	SKHLLFA010		
S801	7600000210	ENC	TP70N00E20-15F-1903		
EP5	6910012350	S.BEA	MMZ1608Y 102BT	T	101.2/9.4
EP6	6910012350	S.BEA	MMZ1608Y 102BT	B	20.8/42.4
EP7	6910012350	S.BEA	MMZ1608Y 102BT	B	22.1/42.4
EP9	6910012350	S.BEA	MMZ1608Y 102BT	B	5.2/9.1
EP10	6910012350	S.BEA	MMZ1608Y 102BT	B	7.2/12.0
EP11	6910012350	S.BEA	MMZ1608Y 102BT	B	5.2/6.4
EP12	8930064900	LCD	SRCN-2826-SP-N-W (SHJ)		

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

VOLTAGE DIAGRAM

• MAIN UNIT




MAIN UNIT
Explanatory notes
VOLTAGE LINE
TX LINE
RX LINE
COMMON LINE
POWER SUPPLY: 7.2 V DC
IMPROVEMENT: TESTER (Inner impeadance 50 k or more)
IC19 MB15E03SLPFV1
IC24 S-812C36AMC
Q22 2SA1576A
Q11 XP4601
Q77 UNR921NJ
IC20 SN74AHC1G 66HDBVR
Q76 2SC5231C8
Q75 2SC5231C8
Q74 2SC5231C8
Q5 2SC4225
Q3 2SC5085
Q2 RD01MUS1
Q1 RD12MVS1
Q37 UNR9113J
Q34 2SK1069
Q81 2SC4116
IC2 TA31136FN
Q14 2SC5006
Q13 3SK318YB
Q12 3SK318YB
Q65 2SC4116
IC3 LMV324IPWR
IC4 CD4066BPWR
Q17 UNR911FJ
Q67 UMG2N
Q68 UNR9213J
Q15 2SB1132
Q16 XP6501
IC5 NJM2070M
Q73 2SC4617
IC10 M62363FP
Q82 2SC4116
Q53 XP4601
Q54 2SA1576A
Q21 2SA1576A
Q31 UNR9210J
ANT
J3 EXT SP
SP1
MC1 KUC3523-040245
J2 EXT MIC

Jul. 2009

SERVICE MANUAL ADDENDUM

IC-V82 IC-V82-T

CONTENTS

[VERSION LIST]

<table>
<tr><th>Model</th><th>Version</th><th>Battery Pack</th></tr>
<tr><td rowspan="3">IC-V82</td><td>[EUR]</td><td rowspan="5">–</td></tr>
<tr><td>[EXP]</td></tr>
<tr><td>[USA]</td></tr>
<tr><td>IC-V82-T</td><td>[THA]</td></tr>
<tr><td rowspan="18">IC-V82</td><td>[CSA]</td></tr>
<tr><td>[EUR-1]</td><td rowspan="5">BP-208</td></tr>
<tr><td>[EXP-1]</td></tr>
<tr><td>[USA-1]</td></tr>
<tr><td>[CHN]</td></tr>
<tr><td>[CSA-1]</td></tr>
<tr><td>[EUR-2]</td><td rowspan="6">BP-222N</td></tr>
<tr><td>[EXP-2]</td></tr>
<tr><td>[USA-2]</td></tr>
<tr><td>[KOR]</td></tr>
<tr><td>[CHN-01]</td></tr>
<tr><td>[CSA-2]</td></tr>
<tr><td>[EXP-3]</td><td rowspan="2">–</td></tr>
<tr><td>[CHN-02]</td></tr>
<tr><td>[CSA-3]</td><td rowspan="4">BP-209N</td></tr>
<tr><td>[EUR-3]</td></tr>
<tr><td>[EXP-4]</td></tr>
<tr><td>[USA-3]</td></tr>
</table>

SECTION 1 SPECIFICATIONS

■ GENERAL

• Frequency range	: TX	144.000–148.000 MHz	[USA], [USA-1], [USA-2], [USA-3]
		144.000–146.000 MHz	[EUR], [EUR-1], [EUR-2], [EUR-3], [KOR], [THA]
		136.000–174.000 MHz*	[EXP], [EXP-1], [EXP-2], [EXP-3], [EXP-4], [CHN], [CHN-01], [CHN-02], [CSA], [CSA-1], [CSA-2], [CSA-3]
	: RX	136.000–174.000 MHz*	[USA], [USA-1], [USA-2], [USA-3], [EXP], [EXP-1], [EXP-2], [EXP-3], [EXP-4], [CHN], [CHN-01], [CHN-02], [CSA], [CSA-1], [CSA-2], [CSA-3]
		144.000–146.000 MHz	[EUR], [EUR-1], [EUR-2], [EUR-3], [KOR], [THA]

*Specifications are guaranteed within 144.000 to 148.000 MHz range only.

• Operating temperature range	: –10°C to 60°C; +14°F to +140°F
• Operating mode	: F2D, F3E, F7W* (*With optional digital unit **UT-118**)
• Frequency stability	: ±2.5 ppm (–10°C to +60°C; +14°F to +140°F)
• Antenna impedance	: 50 Ω (BNC type)
• Power supply requirement	: Specified Icom's battery pack only (Operating voltage range; 6.0–10.3 V)
• Number of memory channels	: 207 channels (Including 6 scan edges and 1 call channel)
• Scan types	: Program/Memory/Skip/Priority/Tone scans
• Tuning steps	: 5, 10, 12.5, 15, 20, 25, 30 and 50 kHz

• Current drain (At 7.2 V DC; approx.)	: TX	High	2.6 A
		Middle	2.0 A
		Low	1.0 A
	RX	Max. audio	Less than 250 mA
		Stand-by	Less than 80 mA
		Power save	Less than 30 mA

• Dimensions (Projections not included)	: 54.0 (W) × 139.0 (H) × 36.7 (D) mm; 2 1/8 (W) × 5 15/32 (H) × 1 9/32 (D) in.
• Weight (Except antenna, battery pack)	: Approx. 200 g (7 5/32 oz)
• Data connector	: 3-conductor 2.5 (d) mm (1/10")

■ TRANSMITTER

• Output power (At 7.2 V DC)	: 7.0 W (High), 4.0 W (Middle), 0.5 W (Low) Other than [IC-V82-T]
	5.5 W (High), 4.0 W (Middle), 0.5 W (Low) [IC-V82-T]
• Modulation system	: Variable reactance frequency modulation
• Maximum deviation	: ±2.5 kHz (Narrow), ±5.0 kHz (Wide)
• Spurious emissions	: Less than –60 dBc
• Ext. microphone connector	: 3-conductor 2.5 (d) mm (1/10")/2.2 kΩ

■ RECEIVER

• Receiving system	: Double conversion superheterodyne system
• Intermediate frequencies	: 1st; 46.35 MHz, 2nd; 450 kHz
• Sensitivity	: Less than –14 dBμ at 12 dB SINAD (0.16 μV typ.)
• Squelch sensitivity (At threshold)	: Less than –16 dBμ (0.11 μV typ.)
• Selectivity	: More than 55 dB (Wide; 65 dB typ.)
	More than 50 dB (Narrow)
• Intermodulation	: More than 55 dB (65 dB typ.)
• Spurious image rejection	: More than 60 dB (80 dB typ.)
• Audio output	: More than 300 mW at 10% distortion with an 8 Ω load
• Ext. speaker connector	: 3-conductor 3.5 (d) mm (1/8")/8 Ω

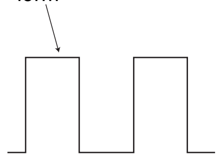
All stated specifications are subject to change without notice or obligation.

5-2 ADJUSTMENTS

5-2-1 KEY OPERATION FOR THE ADJUSTMENT

- Rotate [VOL] to adjust the value.
- Push [D•CLR] key to store the adjustment value and move to next adjustment item.
- Push [▲]/[▼] key to move to next adjustment item without changing the value.

5-2-2 FREQUENCY AND TRANSMIT ADJUSTMENT

ADJUSTMENT		ADJUSTMENT CONDITION	OPERATION
ENTERING ADJUSTMENT MODE		• While pushing [▲], [▼] and [D•CLR] keys, turn power ON.	
REFERENCE FREQUENCY Fr 146.00	1	• Connect a frequency counter to the antenna connector through an attenuator. • Transmitting	• Rotate [VOL] to set to 146.000 MHz ±100Hz. • Push [D•CLR] key.
TRANSMIT LOCK VOLTAGE LU 146.00	1	• Transmitting	• Push [D•CLR] key, then push [▼] key. (Do not release [PTT] button when pushing [D•CLR] key.)
OUTPUT POWER (High) Po 146.00	1	• Connect an RF power meter to the antenna connector. • Transmitting	• Rotate [VOL] to set the transmit power to 7.0 W (except [THA])/5.5W (for [THA] only). • Push [D•CLR] key.
(Middle) Po 146.00 M	2	• Transmitting	• Rotate [VOL] to set the transmit power to 4.0 W. • Push [D•CLR] key.
(Low) Po 146.00 L	3	• Transmitting	• Rotate [VOL] to set the transmit power to 0.5 W. • Push [D•CLR] key.
FREQUENCY DEVIATION dE 146.00	1	• Mode : Wide • Connect an FM deviation meter to the antenna connector through an attenuator and set as : HPF : OFF LPF : 20 kHz De-emphasis : OFF Detector : (P–P)/2 • Connect an audio generator to [MIC] jack and set as; Frequency : 1 kHz Level : 150 mV rms • Transmitting	• Rotate [VOL] to set to ±4.2 kHz. • Push [D•CLR] key.
DIGITAL VCO FREQUENCY DEVIATION dE 146.00 DV	1	• Set the FM deviation meter as; HPF : OFF LPF : 20 kHz De-emphasis : OFF Detector : (P–P)/2 • No audio input • Transmitting	• Rotate [VOL] to set to ±1.20 kHz. • Push [D•CLR] key.
DTCS WAVE FORM dt 146.00	1	• Mode : Wide • Connect an oscilloscope and the FM deviation meter to the antenna connector. • Set the FM deviation meter as; HPF : OFF LPF : 20 kHz De-emphasis : OFF Detector : (P–P)/2 • No audio input • Transmitting	• Rotate [VOL] to set to square wave form as shown below. • Push [D•CLR] key. Set to square wave form 
DIGITAL REFERENCE FREQUENCY DEVIATION dt 146.00 DV	1	• Set the FM deviation meter as; HPF : OFF LPF : 20 kHz De-emphasis : OFF Detector : (P–P)/2 • No audio input • Transmitting	• Rotate [VOL] to set to ±1.20 kHz. • Push [D•CLR] key.

PARTS LIST

[MAIN UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
IC2	1110003491	S.IC TA31136FNG(D,EL)	T	101.7/33.7
IC3	1110006470	S.IC LMV324IPWR	T	103.7/13.2
IC4	1130011770	S.IC CD4066BPWR	T	84.9/14.9
IC5	1110002810	S.IC NJM2070M-TE1-#ZZZB	B	67.3/10.2
IC7	1130012430	S.IC S-24CS64A0I-T8T1G	B	26.1/21.5
IC8	1140012490	S.IC M30220MA-136RP		
		(FX-2826B EXP) [EUR]	B	43.3/22.9
	1140012490	S.IC M30220MA-136RP		
		(FX-2826B EXP) [EXP]		
	1140012490	S.IC M30220MA-136RP		
		(FX-2826B EXP) [USA]		
	1140012480	S.IC M30220MA-135RP		
		(FX-2826A JPN) [THA]		
	1140012490	S.IC M30220MA-136RP		
		(FX-2826B EXP) [CSA]		
	1140012490	S.IC M30220MA-136RP		
		(FX-2826B EXP) [EXP-1]		
	1140012490	S.IC M30220MA-136RP		
		(FX-2826B EXP) [USA-1]		
	1140012490	S.IC M30220MA-136RP		
		(FX-2826B EXP) [CHN]		
	1140012490	S.IC M30220MA-136RP		
		(FX-2826B EXP) [CSA-1]		
	1140012490	S.IC M30220MA-136RP		
		(FX-2826B EXP) [EUR-2]		
	1140012490	S.IC M30220MA-136RP		
		(FX-2826B EXP) [EXP-2]		
	1140012490	S.IC M30220MA-136RP		
		(FX-2826B EXP) [USA-2]		
	1140012490	S.IC M30220MA-136RP		
		(FX-2826B EXP) [KOR]		
	1140012490	S.IC M30220MA-136RP		
		(FX-2826B EXP) [CHN-01]		
	1140012490	S.IC M30220MA-136RP		
		(FX-2826B EXP) [CSA-2]		
	1140012490	S.IC M30220MA-136RP		
		(FX-2826B EXP) [EXP-3]		
	1140012490	S.IC M30220MA-136RP		
		(FX-2826B EXP) [CHN-02]		
	1140012490	S.IC M30220MA-136RP		
		(FX-2826B EXP) [EUR-3]		
	1140012490	S.IC M30220MA-136RP		
		(FX-2826B EXP) [EXP-4]		
	1140012490	S.IC M30220MA-136RP		
		(FX-2826B EXP) [USA-3]		
IC10	1190000350	S.IC M62363FP-650C	B	65/34.4
IC12	1180002251	S.IC S-812C50AMC-C3E-G	T	109.8/39.8
IC13	1130011770	S.IC CD4066BPWR	B	10.8/16.8
IC14	1130011770	S.IC CD4066BPWR	B	19.1/21.2
IC15	1130011770	S.IC CD4066BPWR	B	23/10.2
IC16	1130011781	S.IC SN74AHC2G53HDCT3	B	36.3/41.1
IC17	1110005310	S.IC AN6123MS	B	12.3/27.9
IC19	1130011671	S.IC MB15E03SLPFV1-G-ER-6E1	T	86.9/33.3
IC20	1130011801	S.IC SN74AHC1G66HDBV3	T	80.9/28
IC21	1110006260	S.IC BD5242G-TR	B	27.6/13.9
IC22	1180002680	S.REG S-812C50BMC-C5E-T2G	B	13.5/35.6
IC23	1110006490	S.IC LMV321IDCKR	B	40.5/40.2
IC24	1180002690	S.REG S-812C36AMC-C2Q-T2G	T	87.3/28.1
IC25	1110006490	S.IC LMV321IDCKR	B	18.4/14.6
Q1	1560001371	S.FET RD12MVS1-T112	T	118.3/24
Q2	1560001241	S.FET RD01MUS1-T113	T	109.5/24.3
Q3	1530003231	S.TRA 2SC5085-Y(TE85R,F)	T	101.6/19.9
Q5	1530003260	S.TRA 2SC5006-T1	B	87.3/30.2
Q11	1590001650	S.TRA XP4601(TX)	T	86.7/21.7
Q12	1580000790	S.FET 3SK318YB-TL-E	B	106.7/4.1
Q13	1580000790	S.FET 3SK318YB-TL-E	B	99.7/14.8
Q14	1530003260	S.TRA 2SC5006-T1	B	97.5/33.8
Q15	1520000460	S.TRA 2SB1132 T100 R	B	61.8/16.3
Q16	1590001190	S.TRA XP6501-(TX).AB	B	65.9/18.2
Q17	1590003421	S.TRA UNR911FG0L	B	28/10.6
Q21	1510000510	S.TRA 2SA1576A T106R	B	113.3/31.2
Q22	1510000510	S.TRA 2SA1576A T106R	B	109.8/32.1
Q25	1530002851	S.TRA 2SC4116-BL(TE85R,F)	T	67.1/4.1
Q31	1590003271	S.TRA UNR9210G0L	T	95.7/4.2
Q34	1560000811	S.FET 2SK1069-4-TL-E	T	74.8/28.1
Q37	1590003231	S.TRA UNR9113G0L	T	109.9/15.9
Q38	1590003291	S.TRA UNR9213G0L	B	41.1/36.6
Q53	1590001650	S.TRA XP4601(TX)	B	47.4/38.9
Q54	1510000510	S.TRA 2SA1576A T106R	B	100.7/26.5
Q55	1520000460	S.TRA 2SB1132 T100 R	T	115/39.4
Q56	1590003291	S.TRA UNR9213G0L	T	120.3/33.3
Q57	1590001170	S.TRA XP1501-(TX).AB	B	119.6/37
Q61	1510000620	S.TRA 2SA1576 T106 S	B	14.4/39.9
Q62	1530002851	S.TRA 2SC4116-BL(TE85R,F)	B	11.9/39.8
Q63	1510000510	S.TRA 2SA1576A T106R	B	15.5/28.9
Q64	1510000510	S.TRA 2SA1576A T106R	B	31.8/42.5
Q65	1530002851	S.TRA 2SC4116-BL(TE85R,F)	B	98.9/24.7
Q67	1590002230	S.TRA UMG2N TR	T	94.6/16.9
Q68	1590003291	S.TRA UNR9213G0L	T	93.6/13.5
Q73	1530003630	S.TRA 2SC4617 TLS	B	61.3/6.2
Q74	1530003582	S.TRA 2SC5231A-8-TL-E	B	87.1/23.3
Q75	1530003582	S.TRA 2SC5231A-8-TL-E	B	83.2/22.2
Q76	1530003582	S.TRA 2SC5231A-8-TL-E	B	77.4/21.2
Q77	1590003301	S.TRA UNR921NG0L	B	83/29
Q81	1530002851	S.TRA 2SC4116-BL(TE85R,F)	T	94.9/32.7
Q82	1530002851	S.TRA 2SC4116-BL(TE85R,F)	B	20.4/29.4

[MAIN UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
D1	1710000871	S.DIO HVU131TRF-E	B	112.5/12.7
D2	1790000620	S.DIO MA77(TX)	T	115.9/7.6
D3	1790001621	S.DIO 1SV308(TPL3,F)	T	90.7/21.1
D4	1790001261	S.DIO MA2S077G0L	T	91.6/19.2
D9	1750000721	S.VAR HVC375BTRF-E	T	110.7/2.8
D11	1750000711	S.VAR HVC350BTRF-E	T	104.4/3.2
D12	1750000711	S.VAR HVC350BTRF-E	B	101.7/2.3
D27	1790000981	S.DIO MA3J7420GL	T	93.4/4.7
D32	1790000981	S.DIO MA3J7420GL	T	114.9/14.1
D33	1790000981	S.DIO MA3J7420GL	T	114.9/16.6
D34	1790000951	S.ZEN MAZ8056GML	B	94/8.1
D39	1750000940	S.DIO 1SS400 TE61	B	117.2/38.7
D40	1750000940	S.DIO 1SS400 TE61	B	60.8/43.2
D41	1750000940	S.DIO 1SS400 TE61	B	63.6/43.1
D42	1750000940	S.DIO 1SS400 TE61	B	64.9/43.1
D43	1750000940	S.DIO 1SS400 TE61	B	66.2/43.1
D44	1750000940	S.DIO 1SS400 TE61	B	67.5/43.1
D45	1750000940	S.DIO 1SS400 TE61 [EUR]	T	58.4/41.9
	1750000940	S.DIO 1SS400 TE61 [USA]		
	1750000940	S.DIO 1SS400 TE61 [USA-1]		
	1750000940	S.DIO 1SS400 TE61 [EUR-2]		
	1750000940	S.DIO 1SS400 TE61 [USA-2]		
	1750000940	S.DIO 1SS400 TE61 [KOR]		
	1750000940	S.DIO 1SS400 TE61 [EUR-3]		
	1750000940	S.DIO 1SS400 TE61 [USA-3]		
D46	1750000940	S.DIO 1SS400 TE61 [EXP]	T	59.7/41.9
	1750000940	S.DIO 1SS400 TE61 [THA]		
	1750000940	S.DIO 1SS400 TE61 [CSA]		
	1750000940	S.DIO 1SS400 TE61 [EXP-1]		
	1750000940	S.DIO 1SS400 TE61 [CHN]		
	1750000940	S.DIO 1SS400 TE61 [CSA-1]		
	1750000940	S.DIO 1SS400 TE61 [EXP-2]		
	1750000940	S.DIO 1SS400 TE61 [CHN-01]		
	1750000940	S.DIO 1SS400 TE61 [CSA-2]		
	1750000940	S.DIO 1SS400 TE61 [EXP-3]		
	1750000940	S.DIO 1SS400 TE61 [CHN-02]		
	1750000940	S.DIO 1SS400 TE61 [EXP-4]		
D47	1750000940	S.DIO 1SS400 TE61 [THA]	T	61/41.9
	1750000940	S.DIO 1SS400 TE61 [KOR]		
D48	1750000940	S.DIO 1SS400 TE61 [EUR]	T	67.1/40.8
	1750000940	S.DIO 1SS400 TE61 [USA]		
	1750000940	S.DIO 1SS400 TE61 [USA-1]		
	1750000940	S.DIO 1SS400 TE61 [EUR-2]		
	1750000940	S.DIO 1SS400 TE61 [USA-2]		
	1750000940	S.DIO 1SS400 TE61 [KOR]		
	1750000940	S.DIO 1SS400 TE61 [EUR-3]		
	1750000940	S.DIO 1SS400 TE61 [USA-3]		
D49	1750000940	S.DIO 1SS400 TE61 [EUR]	T	68.4/40.8
	1750000940	S.DIO 1SS400 TE61 [THA]		
	1750000940	S.DIO 1SS400 TE61 [EUR-2]		
	1750000940	S.DIO 1SS400 TE61 [KOR]		
	1750000940	S.DIO 1SS400 TE61 [EUR-3]		
D50	1790000661	S.DIO MA2J7280GL	T	114.2/3.3
D51	1750000940	S.DIO 1SS400 TE61	B	13.6/41.9
D56	1750000771	S.VAR HVC376BTRF-E	B	33.5/9.8
D58	1790001261	S.DIO MA2S077G0L	B	81.3/27.8
D59	1720000730	S.VAR MA2S30400L	B	76.3/27.5
D60	1720000730	S.VAR MA2S30400L	B	78.8/27.5
D61	1720000651	S.VAR 1SV286(TPH3,F)	B	76.4/31.2
D63	1750000370	S.DIO DA221 TL	B	93.4/30.7
D64	1750000940	S.DIO 1SS400 TE61	T	84/37.9
D65	1750000711	S.VAR HVC350BTRF-E	T	102.7/7.7
D66	1750000940	S.DIO 1SS400 TE61 [EUR]	T	67.5/43.3
	1750000940	S.DIO 1SS400 TE61 [EXP]		
	1750000940	S.DIO 1SS400 TE61 [THA]		
	1750000940	S.DIO 1SS400 TE61 [EXP-1]		
	1750000940	S.DIO 1SS400 TE61 [CHN]		
	1750000940	S.DIO 1SS400 TE61 [EUR-2]		
	1750000940	S.DIO 1SS400 TE61 [EXP-2]		
	1750000940	S.DIO 1SS400 TE61 [CHN-01]		
	1750000940	S.DIO 1SS400 TE61 [EXP-3]		
	1750000940	S.DIO 1SS400 TE61 [CHN-02]		
	1750000940	S.DIO 1SS400 TE61 [EUR-3]		
	1750000940	S.DIO 1SS400 TE61 [EXP-4]		
D67	1750000940	S.DIO 1SS400 TE61 [EXP]	T	66.2/43.3
	1750000940	S.DIO 1SS400 TE61 [THA]		
	1750000940	S.DIO 1SS400 TE61 [EXP-1]		
	1750000940	S.DIO 1SS400 TE61 [CHN]		
	1750000940	S.DIO 1SS400 TE61 [EXP-2]		
	1750000940	S.DIO 1SS400 TE61 [CHN-01]		
	1750000940	S.DIO 1SS400 TE61 [EXP-3]		
	1750000940	S.DIO 1SS400 TE61 [CHN-02]		
	1750000940	S.DIO 1SS400 TE61 [EXP-4]		
D68	1750000940	S.DIO 1SS400 TE61 [EUR]	T	64.9/43.3
	1750000940	S.DIO 1SS400 TE61 [EXP]		
	1750000940	S.DIO 1SS400 TE61 [EXP-1]		
	1750000940	S.DIO 1SS400 TE61 [CHN]		
	1750000940	S.DIO 1SS400 TE61 [EUR-2]		
	1750000940	S.DIO 1SS400 TE61 [EXP-2]		
	1750000940	S.DIO 1SS400 TE61 [CHN-01]		
	1750000940	S.DIO 1SS400 TE61 [EXP-3]		
	1750000940	S.DIO 1SS400 TE61 [CHN-02]		
	1750000940	S.DIO 1SS400 TE61 [EUR-3]		
	1750000940	S.DIO 1SS400 TE61 [EXP-4]		

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

[MAIN UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
D69	1750000940	S.DIO 1SS400 TE61 [EXP]	T	63.6/43.3
	1750000940	S.DIO 1SS400 TE61 [EXP-1]		
	1750000940	S.DIO 1SS400 TE61 [CHN]		
	1750000940	S.DIO 1SS400 TE61 [EXP-2]		
	1750000940	S.DIO 1SS400 TE61 [KOR]		
	1750000940	S.DIO 1SS400 TE61 [CHN-01]		
	1750000940	S.DIO 1SS400 TE61 [EXP-3]		
	1750000940	S.DIO 1SS400 TE61 [CHN-02]		
	1750000940	S.DIO 1SS400 TE61 [EXP-4]		
D71	1750000940	S.DIO 1SS400 TE61	T	79.6/37.9
D72	1750000940	S.DIO 1SS400 TE61	B	101.7/6.4
FI1	2030000150	S.MON DSF753SB 46.350 MHz (FL-335)	B	94.4/25
FI2	2020001590	CER ALFY450F=K		
X2	6050011500	S.XTA CR-739 SX-1302 9.8304 MHz	B	46/4.6
X3	6070000191	S.DIS CDBKB450KCAY24-R0	T	96.8/26
X4	6050011940	S.XTA CR-783 TTS14VSB-A6 15.3 MHz	B	84.1/36.9
L1	6200012910	S.COI 0.35-1.6-8TL 45.5N <COMO>	B	116.7/5.9
L2	6200012470	S.COI 0.30-1.7-7TL 45.3N <COMO>	B	115.8/9.2
L4	6200012470	S.COI 0.30-1.7-7TL 45.3N <COMO>	B	117.7/13.4
L5	6200012880	S.COI 0.30-1.3-6TL 24.5N <COMO>	T	119.8/29.7
L6	6200007710	S.COI LQW2BHN27NJ03L	T	114/28.4
L7	6200005451	S.COI LL1608-FSL68NJ	T	101.8/22.7
L15	6200012910	S.COI 0.35-1.6-8TL 45.5N <COMO>	T	112.7/9.1
L16	6200012460	S.COI 0.30-1.7-8TL 54N <COMO>	B	111.4/3.2
L18	6200009930	S.COI C2012C-68NG-A	T	107.2/5.2
L19	6200009890	S.COI C2012C-82NG-A	T	102.7/3.5
L20	6200003271	S.COI NLV25T-R56J	B	97.1/17.1
L24	6200004870	S.COI ELJFC 2R7K-F	B	110/12.9
L26	6200003590	S.COI EXCCL3225U1	T	117.5/33.8
L29	6200009531	S.COI ELJRE R15GFA	B	94.2/12.6
L32	6200012390	S.COI 0.30-0.92-3TR 5.8N <COMO>	T	120.9/19
L37	6200006991	S.COI ELJRE 56NGFA	T	93.2/21.1
L38	6200007871	S.COI ELJRF 39NJFB	B	90.6/13.9
L40	6200009351	S.COI ELJRE R22GFA	B	86.9/21.6
L41	6200011031	S.COI ELJRF R10JFB	B	82.9/20.6
L42	6200011001	S.COI ELJRF 56NJFB	B	85.7/30
L43	6200007001	S.COI ELJRE 82NGFA	T	88.4/36.8
L44	6200010100	S.COI C2012C-33NG-A	B	76.9/25.8
L45	6200010210	S.COI C2012C-22NG-A	B	81/25.9
L46	6200001981	S.COI NLV25T-1R0J	B	79.4/31.2
L47	6200012880	S.COI 0.30-1.3-6TL 24.5N <COMO>	B	119.9/17.4
L48	6200005691	S.COI ELJRE 18NGFA	T	113.8/23.2
L49	6200005691	S.COI ELJRE 18NGFA	T	105.6/20.8
L50	6200003271	S.COI NLV25T-R56J	B	98.2/31.1
L51	6200004480	S.COI MLF1608D R82K-T	T	96.1/35.7
L55	6200003540	S.COI MLF1608D R22K-T	T	94.2/34.9
L56	6200010330	S.COI C2012C-R18G-A	B	110/6.5
L57	6200009930	S.COI C2012C-68NG-A	B	100.8/11.4
L58	6200010540	S.COI C2012C-47NG-A	T	113.4/5.9
L59	6200007871	S.COI ELJRF 39NJFB	B	91.8/12.9
R1	7030003670	S.RES ERJ3GEYJ 823 V (82K)	T	118.5/6.7
R5	7030003240	S.RES ERJ3GEYJ 220 V (22)	T	114.6/21.2
R7	7030004990	S.RES ERJ2GEJ 221 X (220)	T	108.3/20.6
R10	7030007260	S.RES ERJ2GEJ 330 X (33)	T	98.7/18.9
R11	7030007300	S.RES ERJ2GEJ 332 X (3.3K)	T	98/21.9
R12	7030007300	S.RES ERJ2GEJ 332 X (3.3K)	T	100.5/22.3
R13	7030007260	S.RES ERJ2GEJ 330 X (33)	T	100.8/24.9
R14	7030005040	S.RES ERJ2GEJ 472 X (4.7K)	T	96.7/20.5
R15	7030004980	S.RES ERJ2GEJ 101 X (100)	T	95.4/19.9
R16	7030005300	S.RES ERJ2GEJ 150 X (15)	T	95.4/20.9
R20	7030005220	S.RES ERJ2GEJ 223 X (22K)	B	87.2/28.6
R21	7030007290	S.RES ERJ2GEJ 222 X (2.2K)	B	85.2/28.6
R30	7030008400	S.RES ERJ2GEJ 182 X (1.8K)	T	86.7/19.9
R44	7030005050	S.RES ERJ2GEJ 103 X (10K)	T	74.9/17.9
R48	7030005050	S.RES ERJ2GEJ 103 X (10K)	B	78.2/35.7
R49	7030010040	S.RES ERJ2GEJ-JPW	B	80.7/37
R50	7030005700	S.RES ERJ2GEJ 274 X (270K)	B	79.7/37
R52	7030005090	S.RES ERJ2GEJ 104 X (100K)	T	108.5/11.7
R53	7030005050	S.RES ERJ2GEJ 103 X (10K)	T	109.2/13
R54	7030008300	S.RES ERJ2GEJ 184 X (180K)	T	104/16.5
R57	7030005110	S.RES ERJ2GEJ 224 X (220K)	T	109.9/4.3
R59	7030004980	S.RES ERJ2GEJ 101 X (100)	B	106.2/7
R61	7030005530	S.RES ERJ2GEJ 100 X (10)	T	107.6/7.3
R64	7030005110	S.RES ERJ2GEJ 224 X (220K)	T	103.6/6.1
R66	7030005110	S.RES ERJ2GEJ 224 X (220K)	T	101.1/4.1
R68	7030005040	S.RES ERJ2GEJ 472 X (4.7K)	B	92.2/15.9
R69	7030004980	S.RES ERJ2GEJ 101 X (100)	B	92.7/18.2
R70	7030008300	S.RES ERJ2GEJ 184 X (180K)	B	98/13
R71	7030005000	S.RES ERJ2GEJ 471 X (470)	B	96.2/19.8
R72	7030005310	S.RES ERJ2GEJ 124 X (120K)	B	101.5/14.4
R75	7030004990	S.RES ERJ2GEJ 221 X (220)	B	101.4/17
R77	7030004980	S.RES ERJ2GEJ 101 X (100)	B	93.2/20.1
R79	7030007280	S.RES ERJ2GEJ 331 X (330)	B	95/30.2
R80	7030005090	S.RES ERJ2GEJ 104 X (100K)	B	95.9/32
R81	7030005000	S.RES ERJ2GEJ 471 X (470)	B	102.5/30.9
R82	7030008410	S.RES ERJ2GEJ 392 X (3.9K)	T	97.9/30.2
R83	7030005000	S.RES ERJ2GEJ 471 X (470)	T	98.4/31.8
R84	7030009280	S.RES ERJ2GEJ 391 X	T	105/32.8
R85	7030005030	S.RES ERJ2GEJ 152 X (1.5K)	T	102.9/38
R86	7030005240	S.RES ERJ2GEJ 473 X (47K)	T	98.2/38.4
R87	7030007290	S.RES ERJ2GEJ 222 X (2.2K)	T	97.2/40.4
R88	7030005060	S.RES ERJ2GEJ 333 X (33K)	T	96.2/38.4
R93	7030005600	S.RES ERJ2GEJ 273 X (27K)	B	104.6/18
R94	7030005160	S.RES ERJ2GEJ 105 X (1M)	B	107.9/12.4
R95	7030007310	S.RES ERJ2GEJ 155 X (1.5M)	B	108.5/15
R97	7030005110	S.RES ERJ2GEJ 224 X (220K)	T	89.1/15.8
R98	7030005100	S.RES ERJ2GEJ 154 X (150K)	T	80.2/17.5

[MAIN UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
R99	7030008300	S.RES ERJ2GEJ 184 X (180K)	B	105.1/16
R100	7030005090	S.RES ERJ2GEJ 104 X (100K)	B	105/10.9
R101	7030005160	S.RES ERJ2GEJ 105 X (1M)	B	34.7/12.6
R102	7030005530	S.RES ERJ2GEJ 100 X (10)	B	35.9/13.1
R103	7030008010	S.RES ERJ2GEJ 123 X (12K)	B	31.5/13.7
R104	7030005090	S.RES ERJ2GEJ 104 X (100K)	B	104.9/15
R105	7030005000	S.RES ERJ2GEJ 471 X (470)	T	98.2/16.8
R107	7030005100	S.RES ERJ2GEJ 154 X (150K)	T	80.7/16
R108	7030005110	S.RES ERJ2GEJ 224 X (220K)	T	99.2/15.2
R112	7030005160	S.RES ERJ2GEJ 105 X (1M)	T	88.5/13.8
R113	7030005070	S.RES ERJ2GEJ 683 X (68K)	T	80.7/14.9
R114	7030008290	S.RES ERJ2GEJ 183 X (18K)	T	97.6/13.7
R115	7030005310	S.RES ERJ2GEJ 124 X (120K)	T	96.7/12.7
R117	7030005030	S.RES ERJ2GEJ 152 X (1.5K)	T	96.7/11.7
R120	7030005240	S.RES ERJ2GEJ 473 X (47K)	B	62.6/20.4
R121	7030005030	S.RES ERJ2GEJ 152 X (1.5K)	B	65.9/20.4
R122	7030009140	S.RES ERJ2GEJ 272 X (2.7K)	B	65.3/16.2
R123	7030005290	S.RES ERJ2GEJ 682 X (6.8K)	B	66.9/20.4
R126	7030005310	S.RES ERJ2GEJ 124 X (120K)	B	63.5/8.1
R127	7030007260	S.RES ERJ2GEJ 330 X (33)	B	67.4/14.6
R128	7030005530	S.RES ERJ2GEJ 100 X (10)	B	73.8/4.4
R130	7030005090	S.RES ERJ2GEJ 104 X (100K)	B	29.6/10.6
R131	7030008400	S.RES ERJ2GEJ 182 X (1.8K)	B	26.5/10.5
R132	7030005000	S.RES ERJ2GEJ 471 X (470)	B	93.7/2
R136	7030004980	S.RES ERJ2GEJ 101 X (100)	B	23.5/40.9
R137	7030004980	S.RES ERJ2GEJ 101 X (100)	B	20.6/16.9
R139	7030005050	S.RES ERJ2GEJ 103 X (10K)	B	110.5/35
R141	7030007290	S.RES ERJ2GEJ 222 X (2.2K)	B	107.2/32.1
R144	7030005220	S.RES ERJ2GEJ 223 X (22K)	B	82.4/3.1
R148	7030005090	S.RES ERJ2GEJ 104 X (100K)	B	29.9/14.1
R150	7030005000	S.RES ERJ2GEJ 471 X (470)	B	69.5/27.9
R155	7030004980	S.RES ERJ2GEJ 101 X (100)	T	67.7/1.9
R159	7030005090	S.RES ERJ2GEJ 104 X (100K)	B	105/11.9
R160	7030003340	S.RES ERJ3GEYJ 151 V (150)	B	109.2/9.5
R161	7030005220	S.RES ERJ2GEJ 223 X (22K)	T	111.8/14
R162	7030005220	S.RES ERJ2GEJ 223 X (22K)	T	111.8/15
R163	7030007290	S.RES ERJ2GEJ 222 X (2.2K)	T	111.8/13
R164	7030005090	S.RES ERJ2GEJ 104 X (100K)	B	26.9/28.9
R169	7030007350	S.RES ERJ2GEJ 393 X (39K)	T	76.3/18.2
R170	7030005050	S.RES ERJ2GEJ 103 X (10K)	T	79.4/13.5
R174	7030007340	S.RES ERJ2GEJ 153 X (15K)	T	93.4/2.8
R176	7030008410	S.RES ERJ2GEJ 392 X (3.9K)	B	103.3/17.5
R177	7030005120	S.RES ERJ2GEJ 102 X (1K)	T	100.2/16.5
R178	7030005110	S.RES ERJ2GEJ 224 X (220K)	B	107.1/15.5
R181	7030010080	S.RES ERJ2RHD 104 X (100K)	B	45.4/8.2
R182	7510001661	S.THR NTCG16 4LH 473JT	B	49.8/8.8
R184	7030005050	S.RES ERJ2GEJ 103 X (10K)	T	75.3/29.9
R185	7030005120	S.RES ERJ2GEJ 102 X (1K)	T	76/25.9
R186	7030005240	S.RES ERJ2GEJ 473 X (47K)	T	74.7/22.4
R187	7030005090	S.RES ERJ2GEJ 104 X (100K)	B	104.8/7.7
R193	7030005720	S.RES ERJ2GEJ 563 X (56K)	B	50.2/12
R194	7030005720	S.RES ERJ2GEJ 563 X (56K)	B	48.6/12.4
R195	7030005720	S.RES ERJ2GEJ 563 X (56K)	B	48.8/13.4
R196	7030005050	S.RES ERJ2GEJ 103 X (10K)	B	49.3/10.9
R204	7030005050	S.RES ERJ2GEJ 103 X (10K)	T	65.2/3.5
R205	7030005040	S.RES ERJ2GEJ 472 X (4.7K)	T	66.4/1.9
R210	7030008410	S.RES ERJ2GEJ 392 X (3.9K)	T	108.7/14.3
R222	7030005240	S.RES ERJ2GEJ 473 X (47K)	T	106.4/2.6
R224	7030007350	S.RES ERJ2GEJ 393 X (39K)	B	47.7/9.2
R225	7030005090	S.RES ERJ2GEJ 104 X (100K)	B	25.8/17.2
R227	7030008410	S.RES ERJ2GEJ 392 X (3.9K)	B	47.8/10.4
R228	7030005050	S.RES ERJ2GEJ 103 X (10K)	B	25.8/16.2
R240	7030005120	S.RES ERJ2GEJ 102 X (1K)	B	29.9/15.8
R244	7030005090	S.RES ERJ2GEJ 104 X (100K)	B	102.5/31.9
R245	7030005090	S.RES ERJ2GEJ 104 X (100K)	B	32.5/17.7
R246	7030005050	S.RES ERJ2GEJ 103 X (10K)	B	36.1/14.3
R251	7030005230	S.RES ERJ2GEJ 334 X (330K)	T	105.5/18.6
R252	7030005310	S.RES ERJ2GEJ 124 X (120K)	B	109/2.2
R257	7030010040	S.RES ERJ2GEJ-JPW	T	88.1/16.8
R258	7030008300	S.RES ERJ2GEJ 184 X (180K)	T	107.8/3.2
R259	7030005110	S.RES ERJ2GEJ 224 X (220K)	B	103.6/2.9
R260	7030005220	S.RES ERJ2GEJ 223 X (22K)	B	109.7/34
R261	7030005240	S.RES ERJ2GEJ 473 X (47K)	B	115.5/35.2
R262	7030004980	S.RES ERJ2GEJ 101 X (100)	B	98.6/20.3
R266	7030007340	S.RES ERJ2GEJ 153 X (15K)	B	23.9/17.4
R318	7030005070	S.RES ERJ2GEJ 683 X (68K)	B	51.4/37.2
R319	7030005070	S.RES ERJ2GEJ 683 X (68K)	B	47.4/36.1
R320	7030007340	S.RES ERJ2GEJ 153 X (15K)	B	47.4/37.1
R321	7030005050	S.RES ERJ2GEJ 103 X (10K)	B	50.2/38.3
R323	7030005050	S.RES ERJ2GEJ 103 X (10K)	B	45.4/37.9
R324	7030007570	S.RES ERJ2GEJ 122 X (1.2K)	B	45.7/39.6
R325	7030005070	S.RES ERJ2GEJ 683 X (68K)	B	49.3/40.6
R326	7030005070	S.RES ERJ2GEJ 683 X (68K)	B	51.4/39.1
R327	7030005090	S.RES ERJ2GEJ 104 X (100K)	B	45.1/36.6
R328	7030005110	S.RES ERJ2GEJ 224 X (220K)	B	101/28.4
R329	7030005240	S.RES ERJ2GEJ 473 X (47K)	B	100.5/30
R330	7030005050	S.RES ERJ2GEJ 103 X (10K)	B	117.6/37.5
R331	7030005050	S.RES ERJ2GEJ 103 X (10K)	B	119.4/38.8
R332	7030005290	S.RES ERJ2GEJ 682 X (6.8K)	B	119.2/35
R333	7030005160	S.RES ERJ2GEJ 105 X (1M)	B	122.8/30.4
R334	7030005160	S.RES ERJ2GEJ 105 X (1M)	B	120.8/34.2
R335	7030005160	S.RES ERJ2GEJ 105 X (1M)	B	117.9/35.7
R336	7030005090	S.RES ERJ2GEJ 104 X (100K)	B	49.2/38.3
R337	7030007310	S.RES ERJ2GEJ 155 X (1.5M)	T	88/18.6
R340	7030005040	S.RES ERJ2GEJ 472 X (4.7K)	T	113.9/18.5
R341	7030005240	S.RES ERJ2GEJ 473 X (47K)	T	115.4/18.6
R346	7030005090	S.RES ERJ2GEJ 104 X (100K)	B	30.9/15.8
R357	7030007340	S.RES ERJ2GEJ 153 X (15K)	T	112.1/18.5
R358	7030005600	S.RES ERJ2GEJ 273 X (27K)	T	110.6/20
R362	7030005050	S.RES ERJ2GEJ 103 X (10K)	B	29.8/32.3
R363	7030007300	S.RES ERJ2GEJ 332 X (3.3K)	B	11.4/41.9
R364	7030005050	S.RES ERJ2GEJ 103 X (10K)	B	10.1/40.1
R367	7030005160	S.RES ERJ2GEJ 105 X (1M)	B	15.5/30.7
R368	7030005110	S.RES ERJ2GEJ 224 X (220K)	B	15/32
R369	7030005160	S.RES ERJ2GEJ 105 X (1M)	B	31.8/40.6

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

[MAIN UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
R370	7030005170	S.RES ERJ2GEJ 474 X (470K)	B	33.1/40.1
R371	7030009270	S.RES ERJ2GEJ 821 X (820)	B	10.1/24.8
R372	7030009290	S.RES ERJ2GEJ 562 X (5.6K)	B	9.1/26.5
R373	7030005050	S.RES ERJ2GEJ 103 X (10K)	B	13.2/23
R374	7030008370	S.RES ERJ2GEJ 561 X (560)	B	12.2/23
R375	7030005160	S.RES ERJ2GEJ 105 X (1M)	B	10.1/28.3
R376	7030004980	S.RES ERJ2GEJ 101 X (100)	B	17.2/30
R377	7030008300	S.RES ERJ2GEJ 184 X (180K)	B	38.7/38.8
R378	7030005240	S.RES ERJ2GEJ 473 X (47K)	B	38.7/40.4
R379	7030005090	S.RES ERJ2GEJ 104 X (100K)	B	38.7/41.9
R380	7030005170	S.RES ERJ2GEJ 474 X (470K)	B	40.3/41.9
R381	7030005240	S.RES ERJ2GEJ 473 X (47K)	B	27.1/42.3
R382	7030005240	S.RES ERJ2GEJ 473 X (47K)	B	26.9/27.9
R384	7030005060	S.RES ERJ2GEJ 333 X (33K)	B	22.6/5.9
R385	7030005240	S.RES ERJ2GEJ 473 X (47K)	B	20.9/5.2
R386	7030005240	S.RES ERJ2GEJ 473 X (47K)	B	17.4/32.7
R387	7030007300	S.RES ERJ2GEJ 332 X (3.3K)	B	98.2/28.9
R388	7030005240	S.RES ERJ2GEJ 473 X (47K)	T	92.3/24.9
R389	7030005240	S.RES ERJ2GEJ 473 X (47K)	B	99.4/22.8
R397	7030008400	S.RES ERJ2GEJ 182 X (1.8K)	T	96.9/16
R398	7030005090	S.RES ERJ2GEJ 104 X (100K)	B	35.8/8.6
R402	7030010040	S.RES ERJ2GEJ-JPW	T	89.9/29.1
R405	7030005090	S.RES ERJ2GEJ 104 X (100K)	B	60.2/7.7
R406	7030005090	S.RES ERJ2GEJ 104 X (100K)	B	57.2/5.7
R413	7030010040	S.RES ERJ2GEJ-JPW	T	106/16.6
R417	7030010040	S.RES ERJ2GEJ-JPW	B	90.9/18.5
R418	7030010040	S.RES ERJ2GEJ-JPW	B	90.1/15.2
R419	7030005120	S.RES ERJ2GEJ 102 X (1K)	B	89.7/16.4
R420	7030007290	S.RES ERJ2GEJ 222 X (2.2K)	T	90.1/18.7
R421	7030010040	S.RES ERJ2GEJ-JPW	T	89.6/19.9
R422	7030005000	S.RES ERJ2GEJ 471 X (470)	B	85.8/20.2
R423	7030005050	S.RES ERJ2GEJ 103 X (10K)	B	85.2/22.2
R424	7030005040	S.RES ERJ2GEJ 472 X (4.7K)	B	86.3/24.8
R425	7030004980	S.RES ERJ2GEJ 101 X (100)	B	84.6/25.2
R426	7030005000	S.RES ERJ2GEJ 471 X (470)	B	79.4/20.6
R427	7030005050	S.RES ERJ2GEJ 103 X (10K)	B	81.6/20.1
R428	7030008410	S.RES ERJ2GEJ 392 X (3.9K)	B	81.6/22.7
R429	7030005710	S.RES ERJ2GEJ 121 X (120)	B	81.1/21.4
R430	7030007250	S.RES ERJ2GEJ 220 X (22)	B	86.3/25.8
R431	7030005050	S.RES ERJ2GEJ 103 X (10K)	B	87.3/27.6
R432	7030007310	S.RES ERJ2GEJ 155 X (1.5M)	T	90.9/37.9
R433	7030004970	S.RES ERJ2GEJ 470 X (47)	B	77.9/19.6
R434	7030005050	S.RES ERJ2GEJ 103 X (10K)	B	75.9/20.9
R435	7030009270	S.RES ERJ2GEJ 821 X (820)	B	80.6/23.3
R436	7030007350	S.RES ERJ2GEJ 393 X (39K)	B	77.5/24.2
R437	7030005040	S.RES ERJ2GEJ 472 X (4.7K)	B	79.5/28.9
R438	7030005120	S.RES ERJ2GEJ 102 X (1K)	B	80.5/29.2
R439	7030005240	S.RES ERJ2GEJ 473 X (47K)	B	81.5/29.2
R440	7030005090	S.RES ERJ2GEJ 104 X (100K)	B	76.9/29.5
R441	7030007320	S.RES ERJ2GEJ 225 X (2.2M)	T	80/30.2
R442	7030005120	S.RES ERJ2GEJ 102 X (1K)	T	78.8/30.7
R443	7030005220	S.RES ERJ2GEJ 223 X (22K)	T	75.6/32.7
R444	7030005050	S.RES ERJ2GEJ 103 X (10K)	T	75.6/33.7
R445	7030009290	S.RES ERJ2GEJ 562 X (5.6K)	T	78.8/32.4
R446	7030005010	S.RES ERJ2GEJ 681 X (680)	T	75.6/31.2
R447	7030005010	S.RES ERJ2GEJ 681 X (680)	T	81.7/25.8
R448	7030007570	S.RES ERJ2GEJ 122 X (1.2K)	T	83/26.7
R449	7030004980	S.RES ERJ2GEJ 101 X (100)	T	83/28.4
R455	7030005090	S.RES ERJ2GEJ 104 X (100K)	B	95.5/33.3
R456	7030010040	S.RES ERJ2GEJ-JPW	B	95.5/34.3
R457	7030005050	S.RES ERJ2GEJ 103 X (10K)	T	75.8/37.6
R458	7030005050	S.RES ERJ2GEJ 103 X (10K)	T	77.3/36.9
R459	7030005050	S.RES ERJ2GEJ 103 X (10K)	T	74.7/36.5
R460	7030008290	S.RES ERJ2GEJ 183 X (18K)	T	81/36.7
R463	7030007060	S.RES ERJ2GEJ 684X (680K)	T	93.2/32.2
R465	7030005120	S.RES ERJ2GEJ 102 X (1K)	T	91.9/32.7
R466	7030005120	S.RES ERJ2GEJ 102 X (1K)	T	106.3/6.8
R467	7030005110	S.RES ERJ2GEJ 224 X (220K)	T	102.8/8.8
R469	7030005120	S.RES ERJ2GEJ 102 X (1K)	B	89.5/35.4
R473	7030010040	S.RES ERJ2GEJ-JPW [EXP]	B	54.2/29.3
	7030010040	S.RES ERJ2GEJ-JPW [THA]		
	7030010040	S.RES ERJ2GEJ-JPW [CSA]		
	7030010040	S.RES ERJ2GEJ-JPW [EXP-1]		
	7030010040	S.RES ERJ2GEJ-JPW [CHN]		
	7030010040	S.RES ERJ2GEJ-JPW [CSA-1]		
	7030010040	S.RES ERJ2GEJ-JPW [EXP-2]		
	7030010040	S.RES ERJ2GEJ-JPW [CHN-01]		
	7030010040	S.RES ERJ2GEJ-JPW [CSA-2]		
	7030010040	S.RES ERJ2GEJ-JPW [EXP-3]		
	7030010040	S.RES ERJ2GEJ-JPW [CHN-02]		
	7030010040	S.RES ERJ2GEJ-JPW [EXP-4]		
R474	7030005240	S.RES ERJ2GEJ 473 X (47K)	B	31.9/15.4
R475	7030005240	S.RES ERJ2GEJ 473 X (47K)	B	36.1/15.3
R476	7030005050	S.RES ERJ2GEJ 103 X (10K)	B	28.8/32.3
R477	7030005050	S.RES ERJ2GEJ 103 X (10K)	B	27.8/32.3
R478	7030005090	S.RES ERJ2GEJ 104 X (100K)	B	26.9/29.9
R479	7030005090	S.RES ERJ2GEJ 104 X (100K)	B	26.9/30.9
R480	7030004980	S.RES ERJ2GEJ 101 X (100)	B	20.6/17.9
R482	7030005160	S.RES ERJ2GEJ 105 X (1M)	B	25.1/32.4
R483	7030005160	S.RES ERJ2GEJ 105 X (1M)	B	25.1/31.4
R484	7030005160	S.RES ERJ2GEJ 105 X (1M)	B	25.1/30.4
R485	7030005160	S.RES ERJ2GEJ 105 X (1M)	B	9.1/40.1
R486	7030005160	S.RES ERJ2GEJ 105 X (1M)	T	94.4/11.1
R487	7030005220	S.RES ERJ2GEJ 223 X (22K)	T	76/36
R488	7030005220	S.RES ERJ2GEJ 223 X (22K)	T	79.3/35.5
R489	7030005220	S.RES ERJ2GEJ 223 X (22K)	T	77.1/38.2
R491	7030005110	S.RES ERJ2GEJ 224 X (220K)	B	45/10.4
R492	7030005120	S.RES ERJ2GEJ 102 X (1K)	B	44.3/9.4
R493	7030005120	S.RES ERJ2GEJ 102 X (1K)	B	44.2/8.4
R494	7030005120	S.RES ERJ2GEJ 102 X (1K)	B	40.1/11.2
R495	7030005120	S.RES ERJ2GEJ 102 X (1K)	B	40.8/8.1
R496	7030007340	S.RES ERJ2GEJ 153 X (15K)	B	19.2/31.2
R497	7030007320	S.RES ERJ2GEJ 225 X (2.2M)	B	20.2/27.7
R498	7030005080	S.RES ERJ2GEJ 823 X (82K)	B	19/27.3
R499	7030005080	S.RES ERJ2GEJ 823 X (82K)	B	19/25.7

[MAIN UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
R500	7030010010	S.RES ERJ2RKF 334 X (330K)	B	37.4/10.4
R501	7030005471	S.RES ERA3YKD 244V (240K)	B	38/8.5
R502	7030005120	S.RES ERJ2GEJ 102 X (1K)	B	37.6/12.4
R503	7030004980	S.RES ERJ2GEJ 101 X (100)	T	108.8/9.6
R504	7030005220	S.RES ERJ2GEJ 223 X (22K)	T	78.1/39.4
R505	7030007270	S.RES ERJ2GEJ 151 X (150)	T	91.6/29.9
R506	7030005240	S.RES ERJ2GEJ 473 X (47K)	B	38.3/37.6
R507	7030005090	S.RES ERJ2GEJ 104 X (100K)	B	37.8/36.3
R508	7030005090	S.RES ERJ2GEJ 104 X (100K)	B	20.6/15.9
R509	7030005170	S.RES ERJ2GEJ 474 X (470K)	B	20.2/14.6
R510	7030005240	S.RES ERJ2GEJ 473 X (47K)	B	18.1/16.4
R511	7030008300	S.RES ERJ2GEJ 184 X (180K)	B	16.6/14.6
R512	7030004970	S.RES ERJ2GEJ 470 X (47)	T	107.3/20.6
R513	7030005070	S.RES ERJ2GEJ 683 X (68K)	B	65.8/14.6
R514	7030004980	S.RES ERJ2GEJ 101 X (100)	B	78.5/37.1
R515	7030010040	S.RES ERJ2GEJ-JPW	B	25.3/41.7
R516	7030005310	S.RES ERJ2GEJ 124 X (120K)	B	96.7/15.1
R517	7030005090	S.RES ERJ2GEJ 104 X (100K)	B	95.7/15.1
R518	7030005050	S.RES ERJ2GEJ 103 X (10K)	T	75.8/38.6
C1	4030006980	S.CER C1608 CH 1H 070D-T	B	119.4/6.2
C2	4030009530	S.CER C1608 CH 1H 030B-T	B	116.3/3.8
C3	4030007060	S.CER C1608 CH 1H 270J-T	B	118.5/8.5
C4	4030009920	S.CER C1608 CH 1H 050B-T	B	113.6/8.7
C5	4030007050	S.CER C1608 CH 1H 220J-T	B	118.5/10.5
C8	4030006860	S.CER C1608 JB 1H 102K-T	B	113.1/10.5
C10	4030017460	S.CER ECJ0EB1E102K	T	110.5/12.5
C13	4030017460	S.CER ECJ0EB1E102K	T	114.2/19.5
C14	4030016790	S.CER ECJ0EB1C103K	T	118/30.1
C15	4030007090	S.CER C1608 CH 1H 470J-T	T	113.1/25.1
C17	4030017460	S.CER ECJ0EB1E102K	T	109.3/20.6
C18	4030017460	S.CER ECJ0EB1E102K	B	113.3/18.5
C19	4030016790	S.CER ECJ0EB1C103K	T	115.9/28.9
C20	4030017460	S.CER ECJ0EB1E102K	T	119.8/35.9
C21	4550006480	S.TAN TEESVA 1C 475M8R	T	113.6/31.3
C22	4030017430	S.CER ECJ0EC1H101J	T	103.8/19.9
C23	4030017460	S.CER ECJ0EB1E102K	T	99.7/18.9
C24	4030017460	S.CER ECJ0EB1E102K	T	100.5/26.6
C25	4030017460	S.CER ECJ0EB1E102K	T	98/20.9
C26	4030017460	S.CER ECJ0EB1E102K	T	96.7/18.7
C50	4550006250	S.TAN TEESVA 1A 106M8R	T	82/21.1
C52	4030007080	S.CER C1608 CH 1H 390J-T	T	115.4/9.2
C54	4030017460	S.CER ECJ0EB1E102K	T	91.9/33.7
C70	4030017460	S.CER ECJ0EB1E102K	B	79.5/35.2
C73	4030016930	S.CER ECJ0EB1A104K	T	109.5/11.7
C75	4030016930	S.CER ECJ0EB1A104K	T	104/17.5
C76	4030007040	S.CER C1608 CH 1H 180J-T	T	115.4/10.7
C79	4030017580	S.CER ECJ0EC1H060C	B	112.7/5.6
C81	4030017440	S.CER ECJ0EC1H221J	T	110.9/4.3
C82	4030017460	S.CER ECJ0EB1E102K	T	109.7/5.5
C87	4030016790	S.CER ECJ0EB1C103K	B	106.2/6
C88	4030017460	S.CER ECJ0EB1E102K	B	107.5/6.4
C89	4030017460	S.CER ECJ0EB1E102K	B	104.7/5.3
C90	4030017460	S.CER ECJ0EB1E102K	T	109.9/6.6
C92	4030017690	S.CER ECJ0EC1H121J	T	104.6/5.3
C93	4030017460	S.CER ECJ0EB1E102K	T	102.3/6.5
C94	4030017340	S.CER ECJ0EC1H010B	B	103.4/5.4
C95	4030017460	S.CER ECJ0EB1E102K	T	99.8/4.5
C96	4030017680	S.CER ECJ0EC1H820J	B	101.7/4.4
C97	4030017340	S.CER ECJ0EC1H010B	B	102.7/4.2
C99	4030017460	S.CER ECJ0EB1E102K	B	92.2/16.9
C102	4030017600	S.CER ECJ0EC1H080C	B	93/12.3
C104	4030017460	S.CER ECJ0EB1E102K	B	100.1/16.6
C105	4030016790	S.CER ECJ0EB1C103K	B	100.1/17.6
C106	4030017390	S.CER ECJ0EC1H180J	B	96.2/18.8
C107	4030017460	S.CER ECJ0EB1E102K	B	94.5/17.6
C108	4030016790	S.CER ECJ0EB1C103K	B	94.5/16.6
C111	4030016790	S.CER ECJ0EB1C103K	B	93.1/32.3
C112	4030017460	S.CER ECJ0EB1E102K	T	97.4/32.8
C113	4030017460	S.CER ECJ0EB1E102K	T	97.1/31.2
C114	4030017040	S.CER ECJ0EB1A333K	T	102.1/29
C115	4030017460	S.CER ECJ0EB1E102K	B	99.6/33.6
C116	4030017680	S.CER ECJ0EC1H820J	T	101.1/28.9
C117	4030017460	S.CER ECJ0EB1E102K	T	95.5/30.3
C118	4030016790	S.CER ECJ0EB1C103K	T	102.9/39
C119	4030018860	S.CER ECJ0EB0J105K	T	93.5/29.9
C120	4030016930	S.CER ECJ0EB1A104K	T	100.4/38.2
C121	4030017440	S.CER ECJ0EC1H221J	T	97.2/39.4
C122	4030017440	S.CER ECJ0EC1H221J	T	97.2/37.4
C123	4030017460	S.CER ECJ0EB1E102K	B	70.8/38.6
C124	4030016790	S.CER ECJ0EB1C103K	B	104.6/17
C125	4030017760	S.CER ECJ0EB1H222K	B	109.5/16
C126	4030018110	S.CER ECJ0EB1H272K	B	110.5/16
C128	4030016930	S.CER ECJ0EB1A104K	T	81.4/13.5
C129	4550002960	S.TAN TEESVA 1C 155M8R	B	104.9/13.4
C131	4030016790	S.CER ECJ0EB1C103K	T	88.1/11.7
C132	4030018240	S.CER ECJ0EB1E562K	B	23.9/15.8
C133	4030016930	S.CER ECJ0EB1A104K	T	96.9/17.3
C134	4030017440	S.CER ECJ0EC1H221J	T	98.2/15.2
C135	4030017450	S.CER ECJ0EB1E271K	T	98/12.2
C136	4030018240	S.CER ECJ0EB1E562K	T	96/13.7
C137	4030017040	S.CER ECJ0EB1A333K	T	95.4/12.2
C138	4030017460	S.CER ECJ0EB1E102K	B	104.6/3
C139	4030018860	S.CER ECJ0EB0J105K	B	63.8/20.4
C144	4030017460	S.CER ECJ0EB1E102K	B	30.2/17.4
C145	4510008540	S.ELE EEE1CA100SR	B	61.8/11
C147	4030016950	S.CER ECJ0EB1A473K	B	30.6/10.6
C149	4030016790	S.CER ECJ0EB1C103K	B	63.5/6.1
C150	4550000460	S.TAN TEESVA 1C 105M8R	B	68.9/16.1
C152	4030016950	S.CER ECJ0EB1A473K	B	72.5/3.9
C153	4510008500	S.ELE EEE1CA101WP	B	80.8/11.1
C154	4550006220	S.TAN TEESVA 0J 156M8R	B	27.2/6.8
C161	4030016790	S.CER ECJ0EB1C103K	B	111.6/31.5
C162	4030016790	S.CER ECJ0EB1C103K	B	109.2/35.3

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

[MAIN UNIT]

REF NO.	PARTS NO.	DESCRIPTION		M.	H/V LOCATION
C163	4030017460	S.CER	ECJ0EB1E102K	B	83.4/3.1
C164	4030017460	S.CER	ECJ0EB1E102K	B	72/2.6
C165	4030017460	S.CER	ECJ0EB1E102K	B	92.6/7.4
C166	4030017460	S.CER	ECJ0EB1E102K	B	93.7/4
C167	4030017420	S.CER	ECJ0EC1H470J	B	93.7/5
C168	4030017460	S.CER	ECJ0EB1E102K	B	92.1/9.4
C169	4030017460	S.CER	ECJ0EB1E102K	B	84.2/6.8
C171	4030016930	S.CER	ECJ0EB1A104K	B	65.5/5.9
C173	4510008500	S.ELE	EEE1CA101WP	B	111.8/39.9
C174	4510008660	S.ELE	EEE0JA220SR	B	117.5/32
C179	4030016790	S.CER	ECJ0EB1C103K	T	106/17.6
C193	4030017530	S.CER	ECJ0EC1H0R5B	B	33.5/13.6
C194	4030017600	S.CER	ECJ0EC1H080C	B	35.5/11.6
C195	4030017500	S.CER	ECJ0EC1H560J	B	33/12.6
C197	4030016930	S.CER	ECJ0EB1A104K	B	33.1/14.8
C199	4030016930	S.CER	ECJ0EB1A104K	B	46.5/11
C204	4030017460	S.CER	ECJ0EB1E102K	B	111.4/8.4
C205	4030006860	S.CER	C1608 JB 1H 102K-T	B	114.6/13.2
C209	4030016930	S.CER	ECJ0EB1A104K	B	29/8.8
C212	4030016790	S.CER	ECJ0EB1C103K	T	79/17.9
C213	4550002890	S.TAN	TEESVA 1A 225M8R	T	77.3/16.4
C214	4030017040	S.CER	ECJ0EB1A333K	T	80.4/13.5
C216	4030018920	S.CER	ECJ0EB1H392K	B	39.6/37.2
C217	4030016930	S.CER	ECJ0EB1A104K	T	101.2/17.5
C219	4030017040	S.CER	ECJ0EB1A333K	B	46.4/8.7
C230	4030017030	S.CER	ECJ0EB1A273K	B	27.4/16.1
C232	4030016930	S.CER	ECJ0EB1A104K	B	49.9/9.9
C233	4030017460	S.CER	ECJ0EB1E102K	T	74.7/21.4
C234	4030017460	S.CER	ECJ0EB1E102K	T	75.7/24.6
C236	4030016790	S.CER	ECJ0EB1C103K	B	67.9/27.9
C243	4030017460	S.CER	ECJ0EB1E102K	B	112.3/16.5
C244	4030016790	S.CER	ECJ0EB1C103K	B	65.7/29.4
C245	4030016790	S.CER	ECJ0EB1C103K	B	59.5/38.7
C249	4030016790	S.CER	ECJ0EB1C103K	B	50.9/41.1
C251	4030017460	S.CER	ECJ0EB1E102K	T	111.8/16
C252	4030017460	S.CER	ECJ0EB1E102K	T	113.1/13.5
C277	4030017580	S.CER	ECJ0EC1H060C	B	108.8/4.4
C278	4030007040	S.CER	C1608 CH 1H 180J-T	B	114.6/14.5
C281	4030010760	S.CER	C1608 CH 1H 331J-T	B	118/16.1
C282	4030017460	S.CER	ECJ0EB1E102K	T	109.4/34.2
C283	4030017760	S.CER	ECJ0EB1H222K	T	119.8/34.9
C285	4030009650	S.CER	C1608 CH 1H 240J-T	B	116.7/16.3
C287	4030007050	S.CER	C1608 CH 1H 220J-T	B	121.4/14.6
C288	4030017460	S.CER	ECJ0EB1E102K	B	111.4/9.4
C289	4030017460	S.CER	ECJ0EB1E102K	T	121.5/30.1
C293	4030016930	S.CER	ECJ0EB1A104K	T	82.3/37.2
C296	4030017730	S.CER	ECJ0EB1E471K	B	35.8/10.6
C297	4030016790	S.CER	ECJ0EB1C103K	B	35.8/9.6
C298	4550005980	S.TAN	TEESVA 1A 475M8R	B	109.9/18.4
C299	4030017730	S.CER	ECJ0EB1E471K	B	93.7/3
C300	4030017460	S.CER	ECJ0EB1E102K	B	84.7/29.9
C301	4030017460	S.CER	ECJ0EB1E102K	T	88.4/21.3
C303	4030017460	S.CER	ECJ0EB1E102K	T	103.1/29
C304	4030016950	S.CER	ECJ0EB1A473K	B	22.6/16.9
C305	4030017730	S.CER	ECJ0EB1E471K	T	111.2/36.6
C351	4030017570	S.CER	ECJ0EC1H040B	B	97.6/21.4
C369	4030017040	S.CER	ECJ0EB1A333K	B	49.2/36.7
C370	4030018080	S.CER	ECJ0EB1H182K	B	46.2/36.6
C372	4030016970	S.CER	ECJ0EB1C223K	B	44.2/38.4
C373	4030017790	S.CER	ECJ0EB1E682K	B	52.7/38.6
C374	4030017760	S.CER	ECJ0EB1H222K	B	43.8/36.6
C375	4030017460	S.CER	ECJ0EB1E102K	B	102.1/29.7
C376	4030017460	S.CER	ECJ0EB1E102K	T	109.8/36.7
C377	4550006350	S.TAN	TEESVB2 1A 226M8R	T	119.7/39.2
C378	4030016930	S.CER	ECJ0EB1A104K	B	121.3/39.2
C379	4030017460	S.CER	ECJ0EB1E102K	T	117.2/41.8
C380	4510008660	S.ELE	EEE0JA220SR	B	118.3/41.7
C381	4550006250	S.TAN	TEESVA 1A 106M8R	T	110.6/42.5
C385	4030016930	S.CER	ECJ0EB1A104K	B	120.8/33.2
C386	4030017590	S.CER	ECJ0EC1H070C	T	97.3/36
C387	4030017360	S.CER	ECJ0EC1H030B	T	97.7/34.8
C398	4550005980	S.TAN	TEESVA 1A 475M8R	B	105.9/30.6
C399	4030017770	S.CER	ECJ0EB1E332K	B	62.9/7.1
C400	4030017760	S.CER	ECJ0EB1H222K	T	111.2/37.6
C401	4030016790	S.CER	ECJ0EB1C103K	B	18.5/40.6
C402	4030016930	S.CER	ECJ0EB1A104K	B	16.4/40.9
C404	4550007080	S.TAN	TEESVA 1C 106M8R	B	17.6/42.5
C405	4030017460	S.CER	ECJ0EB1E102K	B	13/37.8
C406	4550007520	S.TAN	F931A106MAABMA	B	10.4/30.6
C407	4550006250	S.TAN	TEESVA 1A 106M8R	B	10.3/32.7
C408	4030017460	S.CER	ECJ0EB1E102K	B	15.5/26.6
C409	4030018860	S.CER	ECJ0EB0J105K	B	10.1/23
C410	4030016930	S.CER	ECJ0EB1A104K	B	13.2/24.8
C411	4030016930	S.CER	ECJ0EB1A104K	B	10.1/26.5
C412	4030016790	S.CER	ECJ0EB1C103K	B	34.1/40.1
C413	4030017460	S.CER	ECJ0EB1E102K	B	29.7/42.4
C414	4030017460	S.CER	ECJ0EB1E102K	B	14.5/13.3
C415	4030017460	S.CER	ECJ0EB1E102K	B	22.6/17.9
C416	4030017460	S.CER	ECJ0EB1E102K	B	19.7/8.2
C417	4030016930	S.CER	ECJ0EB1A104K	B	98.2/27.9
C418	4030016930	S.CER	ECJ0EB1A104K	B	99.4/21.8
C421	4030016930	S.CER	ECJ0EB1A104K	T	105/34.6
C422	4030016930	S.CER	ECJ0EB1A104K	T	101.7/38.6
C423	4030017490	S.CER	C1608 JB 1A 105K-T	T	95.8/14.9
C424	4030016790	S.CER	ECJ0EB1C103K	B	34/11.2
C425	4030016790	S.CER	ECJ0EB1C103K	B	52.8/30.9
C429	4030018860	S.CER	ECJ0EB0J105K	B	92/35.2
C430	4030016790	S.CER	ECJ0EB1C103K	T	89.5/27.8
C431	4030017460	S.CER	ECJ0EB1E102K	B	59.7/6.1
C432	4030018860	S.CER	ECJ0EB0J105K	B	58.7/6.1
C433	4030017390	S.CER	ECJ0EC1H180J	T	93.1/19.9
C434	4030017390	S.CER	ECJ0EC1H180J	T	95.4/21.9
C435	4030017640	S.CER	ECJ0EC1H150J	B	93/13.9
C437	4030017640	S.CER	ECJ0EC1H150J	B	88.8/14.7
C438	4030017460	S.CER	ECJ0EB1E102K	B	88/16.4

[MAIN UNIT]

REF NO.	PARTS NO.	DESCRIPTION		M.	H/V LOCATION
C439	4030017340	S.CER	ECJ0EC1H010B	T	90.5/22.2
C440	4030017600	S.CER	ECJ0EC1H080C	B	87.8/20.2
C441	4030017460	S.CER	ECJ0EB1E102K	B	84.5/20.1
C442	4030017460	S.CER	ECJ0EB1E102K	B	86.8/20.2
C443	4030017420	S.CER	ECJ0EC1H470J	T	77.3/20.7
C444	4030017570	S.CER	ECJ0EC1H040B	B	85/23.9
C445	4030017530	S.CER	ECJ0EC1H0R5B	B	85/26.5
C446	4030017400	S.CER	ECJ0EC1H220J	B	84/24
C447	4030017340	S.CER	ECJ0EC1H010B	B	82.9/19.6
C448	4030017340	S.CER	ECJ0EC1H010B	B	79.3/21.9
C449	4030017460	S.CER	ECJ0EB1E102K	T	88.4/23
C450	4030017460	S.CER	ECJ0EB1E102K	B	79.9/19.6
C451	4030017360	S.CER	ECJ0EC1H030B	B	87.8/26.3
C452	4030017570	S.CER	ECJ0EC1H040B	B	87.3/31.7
C453	4030017420	S.CER	ECJ0EC1H470J	B	85.6/31.2
C454	4030017360	S.CER	ECJ0EC1H030B	T	88.4/37.9
C455	4030017360	S.CER	ECJ0EC1H030B	T	90.9/36.9
C456	4030007040	S.CER	C1608 CH 1H 180J-T	B	79.5/23.6
C457	4030007050	S.CER	C1608 CH 1H 220J-T	B	77.6/23
C458	4030017460	S.CER	ECJ0EB1E102K	B	76.1/19.6
C459	4030017460	S.CER	ECJ0EB1E102K	T	79/19.5
C460	4030007020	S.CER	C1608 CH 1H 120J-T	B	75.8/23.1
C461	4030017460	S.CER	ECJ0EB1E102K	B	78.9/26.1
C462	4030017460	S.CER	ECJ0EB1E102K	B	83/27
C463	4030017460	S.CER	ECJ0EB1E102K	B	91.4/20.1
C464	4030006910	S.CER	C1608 CH 1H 0R5C-T	B	75.7/29.4
C465	4030017460	S.CER	ECJ0EB1E102K	B	78.1/28.7
C466	4030007110	S.CER	C1608 CH 1H 680J-T	B	115.5/18.5
C467	4030007010	S.CER	C1608 CH 1H 100D-T	T	122.8/21.9
C471	4030011600	S.CER	C1608 JB 1E 104K-T	T	77.8/33.5
C472	4550004040	S.TAN	TEESVA 0J 685M8R	T	78.4/24.6
C473	4550000550	S.TAN	TEESVA 1V 224M8R	T	85/24.5
C474	4550000530	S.TAN	TEESVA 1V 104M8R	T	77.1/29.7
C475	4030017460	S.CER	ECJ0EB1E102K	T	76.8/24.6
C476	4030017460	S.CER	ECJ0EB1E102K	T	79.9/25.5
C478	4030017460	S.CER	ECJ0EB1E102K	B	97.6/19.3
C479	4030016790	S.CER	ECJ0EB1C103K	B	94.9/32
C482	4030017460	S.CER	ECJ0EB1E102K	B	101/31.3
C486	4030016930	S.CER	ECJ0EB1A104K	T	91.5/28.9
C487	4030017420	S.CER	ECJ0EC1H470J	T	83.6/36.7
C488	4030017730	S.CER	ECJ0EB1E471K	T	85.4/36.7
C489	4030017460	S.CER	ECJ0EB1E102K	T	91.4/27.9
C491	4030017500	S.CER	ECJ0EC1H560J	T	94.6/37.1
C492	4030017570	S.CER	ECJ0EC1H040B	T	94.6/36.1
C493	4030017460	S.CER	ECJ0EB1E102K	T	92.3/23.9
C496	4030016790	S.CER	ECJ0EB1C103K	T	93.3/36.4
C497	4030017380	S.CER	ECJ0EC1H050B	T	91.9/31.2
C499	4030017360	S.CER	ECJ0EC1H030B	T	106.4/3.6
C500	4030018860	S.CER	ECJ0EB0J105K	T	108.7/7.3
C502	4030017350	S.CER	ECJ0EC1H020B	B	103.8/6.7
C503	4030017340	S.CER	ECJ0EC1H010B	B	102.8/6.7
C504	4030017340	S.CER	ECJ0EC1H010B	B	102.8/8.3
C505	4030017430	S.CER	ECJ0EC1H101J	T	103.5/9.8
C506	4030017460	S.CER	ECJ0EB1E102K	T	93.8/9.8
C507	4030017350	S.CER	ECJ0EC1H020B	B	101.7/9.2
C509	4030017460	S.CER	ECJ0EB1E102K	B	89/36.8
C510	4030007120	S.CER	C1608 CH 1H 820J-T	T	119.2/17.7
C511	4030017460	S.CER	ECJ0EB1E102K	B	101.5/22.2
C512	4030017460	S.CER	ECJ0EB1E102K	T	108.3/17.1
C514	4030018520	S.CER	C1608 JB 0J 225M-T	B	30.6/12.6
C515	4030016930	S.CER	ECJ0EB1A104K	B	34.1/14.8
C516	4030007030	S.CER	C1608 CH 1H 150J-T	T	116.4/5.9
C517	4030018860	S.CER	ECJ0EB0J105K	B	13.5/13.3
C518	4030017460	S.CER	ECJ0EB1E102K	T	81/31.2
C519	4340000260	S.MYL	ECPU1C104MA5	B	82.8/31.4
C521	4030017460	S.CER	ECJ0EB1E102K	T	91.7/34.9
C522	4030018860	S.CER	ECJ0EB0J105K	B	77.2/39.1
C523	4030018860	S.CER	ECJ0EB0J105K	B	78.2/39.1
C524	4030017460	S.CER	ECJ0EB1E102K	B	42.6/9.2
C525	4030017460	S.CER	ECJ0EB1E102K	B	41.6/9.3
C526	4030017460	S.CER	ECJ0EB1E102K	B	40.6/9.9
C527	4030017460	S.CER	ECJ0EB1E102K	B	39.4/9.4
C528	4030017460	S.CER	ECJ0EB1E102K	B	18.6/29.5
C529	4030017720	S.CER	ECJ0EB1H331K	B	20.2/26.7
C530	4030018860	S.CER	ECJ0EB0J105K	B	20/24.8
C531	4030016790	S.CER	ECJ0EB1C103K	B	38.9/11.8
C532	4030017460	S.CER	ECJ0EB1E102K	B	21.5/27.3
C533	4030017400	S.CER	ECJ0EC1H220J	B	97.6/26.6
C534	4030017650	S.CER	ECJ0EC1H270J	B	90.2/12.9
C535	4030016930	S.CER	ECJ0EB1A104K	B	15.6/13.8
C536	4030009510	S.CER	C1608 CH 1H 010B-T	T	117.2/15.3
C537	4030009510	S.CER	C1608 CH 1H 010B-T	T	116.9/13.4
C538	4030017460	S.CER	ECJ0EB1E102K	B	100.4/13
C539	4030017460	S.CER	ECJ0EB1E102K	B	95.6/12.3
C540	4030017780	S.CER	ECJ0EB1E472K	B	63.9/5.1
J2	6450001680	CON	HSJ1122-010010		
J3	6450002250	CON	HSJ1456-010320		
J5	6510021970	S.CON	AXN330C130P	B	23.8/36.6
J6	6510021901	S.CON	BM02B-ASRS-TF(LF)(SN)	T	71.5/3.9
J7	6510024580	S.CON	HSJ1621-019011	B	12.6/1.9
DS2	5010000160	S.LED	LNJ310M6URA	T	64.1/38.8
DS3	5010000160	S.LED	LNJ310M6URA	T	64.1/7
DS4	5030002800	LCD	A01B001X (FX-2826) LCD		
MC1	7700002700	MIC	EM9445P-45-LF <HOR>		
S3	2260002840	SWI	SKHLLFA010		
S801	7600000210	ENC	TP70N00E20-15F-1903		

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

[MAIN UNIT]

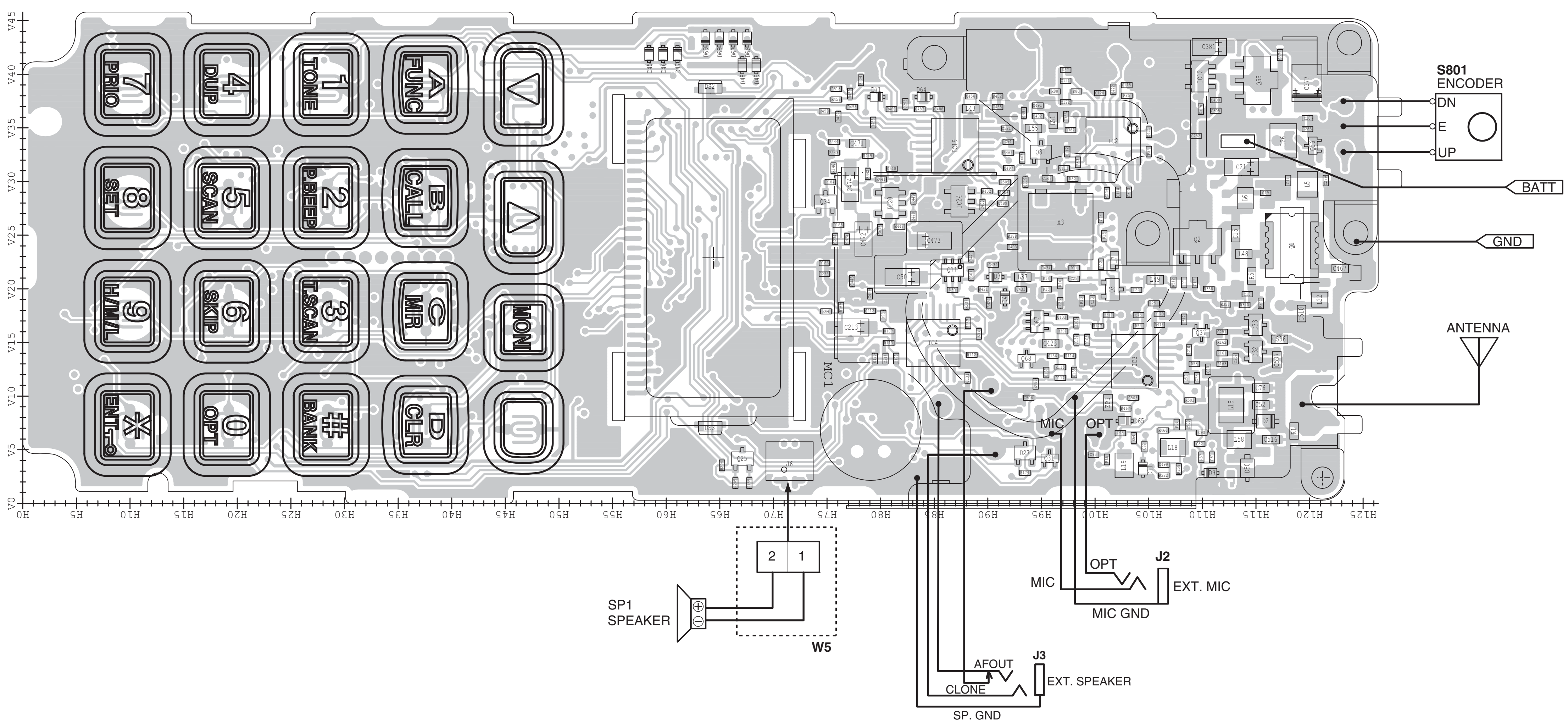
REF NO.	PARTS NO.	DESCRIPTION		M.	H/V LOCATION
EP5	6910012350	S.BEA	MMZ1608Y 102BT	T	101.2/9.4
EP6	6910012350	S.BEA	MMZ1608Y 102BT	B	20.8/42.3
EP7	6910012350	S.BEA	MMZ1608Y 102BT	B	22.1/42.3
EP9	6910012350	S.BEA	MMZ1608Y 102BT	B	5.1/9.1
EP10	6910012350	S.BEA	MMZ1608Y 102BT	B	7.1/12
EP11	6910012350	S.BEA	MMZ1608Y 102BT	B	5.1/6.3
EP12	8930064900	LCD	SRCN-2826-SP-N-W (SHJ)		
MP1	8510016471	S.CAS	2775 VCO CASE-1	B	81.7/25.7
MP5	8410002580	S.HEA	2826 PA HEATSINK Y760	B	114.6/25.2

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

BOARD LAYOUTS

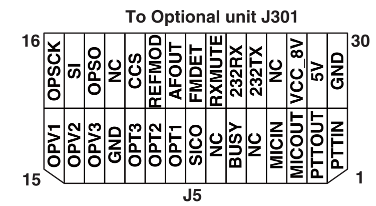
The combination of this page and next page shows the top side and bottom side of actual P.C. board.

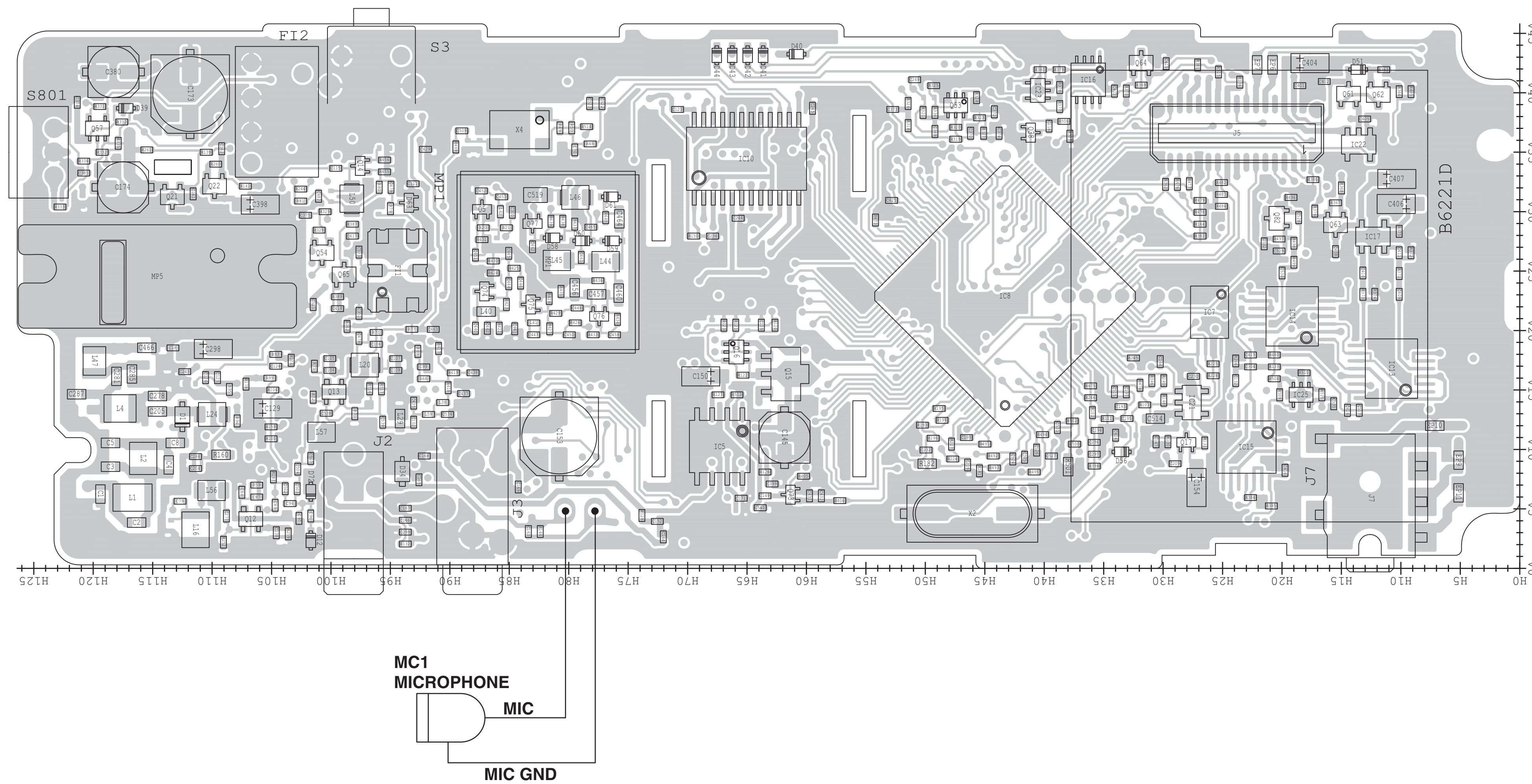
• MAIN UNIT (TOP VIEW)



The combination of this page and next page shows the top side and bottom side of actual P.C. board.

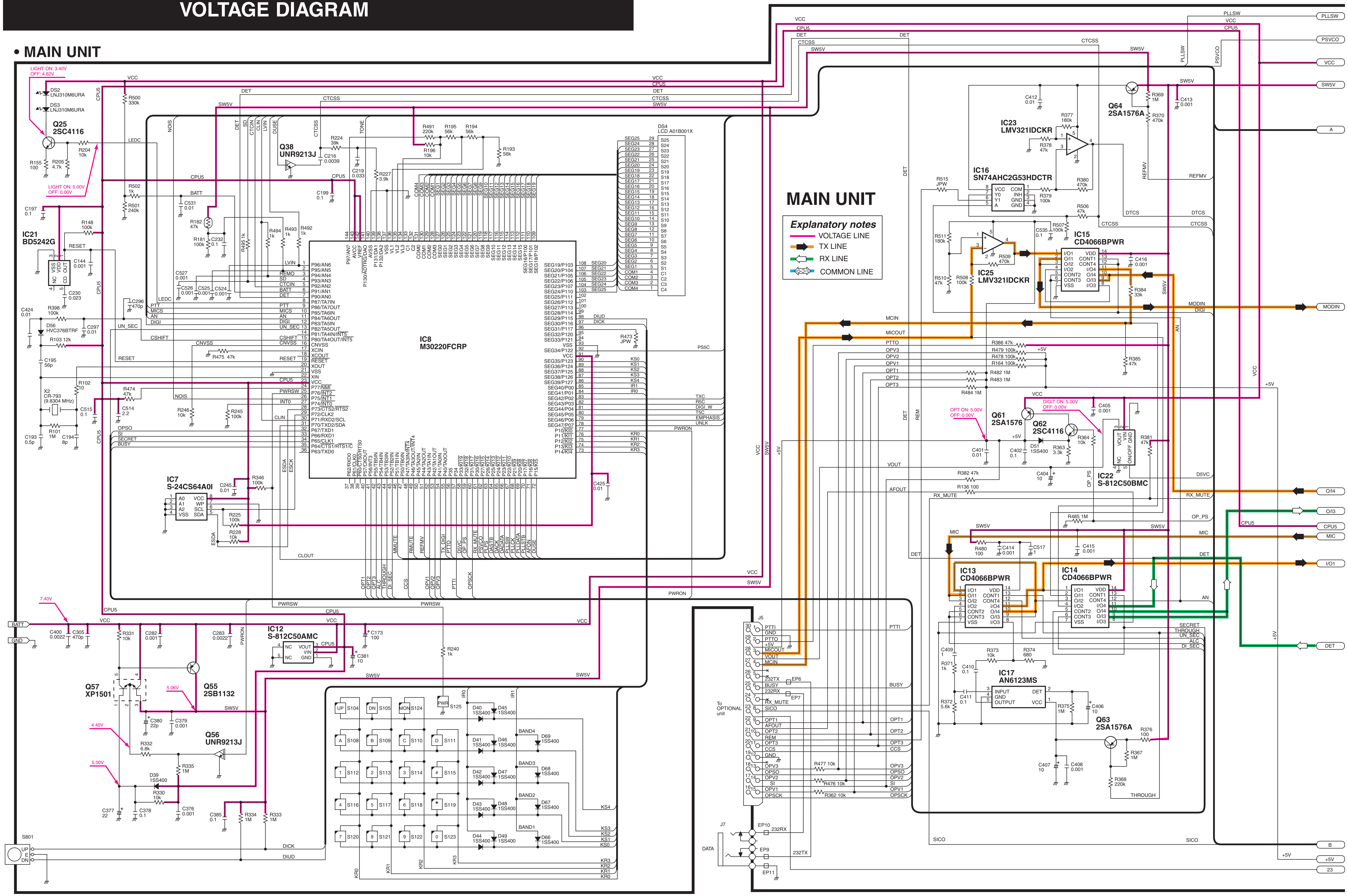
• MAIN UNIT (BOTTOM VIEW)

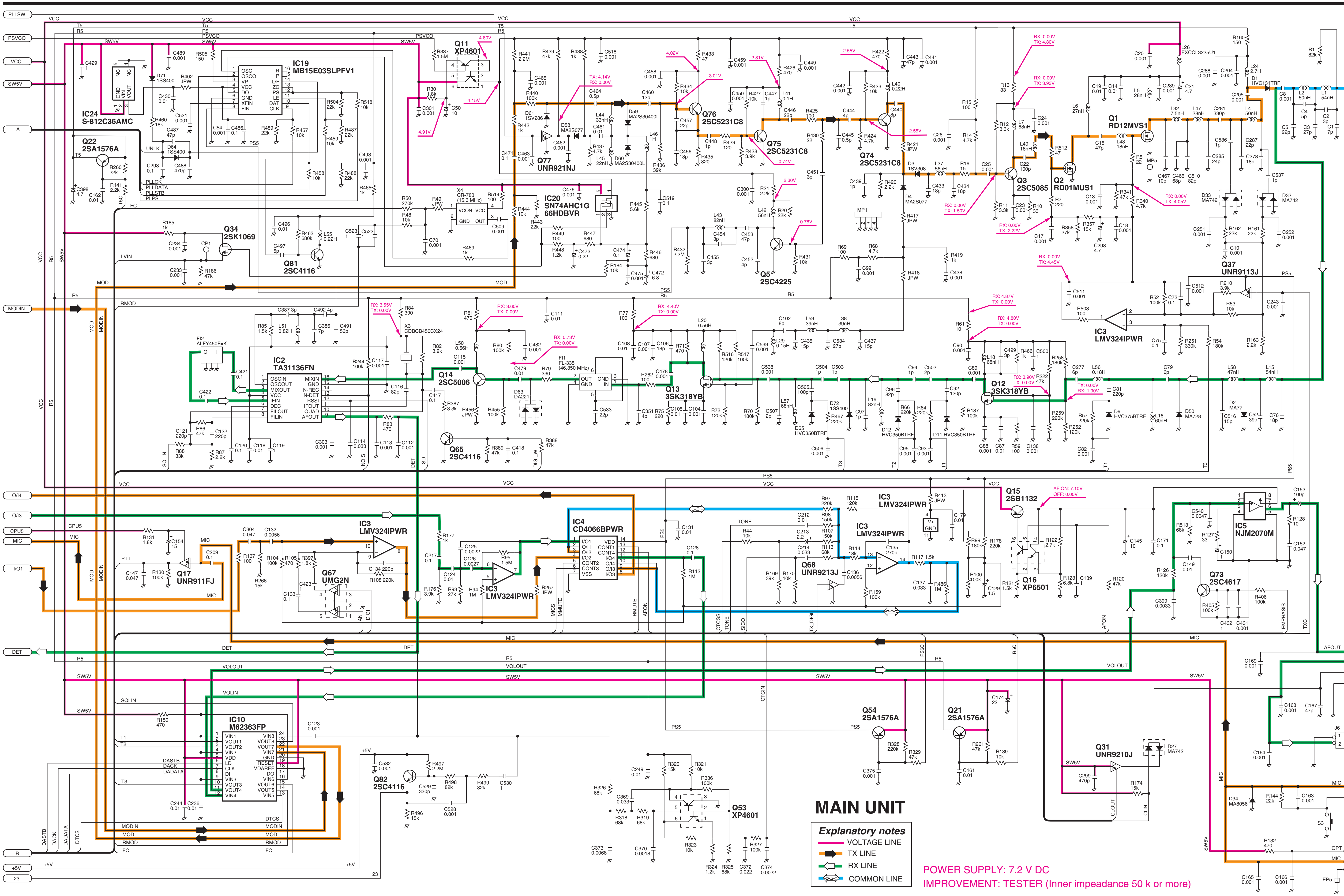




VOLTAGE DIAGRAM

• MAIN UNIT




MAIN UNIT
Explanatory notes
VOLTAGE LINE
TX LINE
RX LINE
COMMON LINE
POWER SUPPLY: 7.2 V DC
IMPROVEMENT: TESTER (Inner impeadance 50 k or more)
IC19 MB15E03SLPFV1
IC24 S-812C36AMC
Q22 2SA1576A
Q11 XP4601
Q77 UNR921NJ
Q76 2SC5231C8
Q75 2SC5231C8
Q74 2SC5231C8
Q3 2SC5085
Q2 RD01MUS1
Q1 RD12MVS1
IC20 SN74AHC1G 66HDBVR
Q34 2SK1069
Q81 2SC4116
Q5 2SC4225
Q37 UNR9113J
IC2 TA31136FN
Q14 2SC5006
Q13 3SK318YB
Q12 3SK318YB
IC3 LMV324IPWR
Q65 2SC4116
Q17 UNR911FJ
Q67 UMG2N
IC4 CD4066BPWR
Q68 UNR9213J
Q15 2SB1132
Q16 XP6501
IC5 NJM2070M
Q73 2SC4617
IC10 M62363FP
Q82 2SC4116
Q53 XP4601
Q54 2SA1576A
Q21 2SA1576A
Q31 UNR9210J
PLLSW
PSVCO
VCC
SW5V
A
MODIN
O/I4
O/I3
CPU5
MIC
I/O1
DET
B
+5V
23
ANT
J3 EXT SP
SP1
MC1 KUC3523-040245
J2 EXT MIC