

Nov. 2007



SERVICE MANUAL ADDENDUM

IC-F7000

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PARTS LIST

[MAIN UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
IC1	1110004080	S.IC uPC2709T-E3	T	191.6/111.2
IC101	1130013860	S.IC IS62C1024AL-35TL1u	T	111.3/50.6
IC301	1110004080	S.IC uPC2709T-E3	T	133.1/22
IC501	1110005461	S.IC TA4107F (TE12L,F)	T	45.3/90.3
IC901	1110005461	S.IC TA4107F (TE12L,F)	T	33.3/78.2
IC1001	1130006221	S.IC TC4W53FU (TE12L,F)	T	33.2/38.7
IC1002	1110005450	S.IC TS522IDT	T	22.2/40.3
IC1051	1110005450	S.IC TS522IDT	T	22/27
IC1101	1110005450	S.IC TS522IDT	T	21/83.4
IC1201	1110005140	S.IC NJM3403AV-TE1u	T	68.7/21.2
IC1301	1160000131	S.IC TD62783AFG (S,EL)	T	81.8/21.6
IC1302	1160000131	S.IC TD62783AFG (S,EL)	T	140.7/94.2
IC1501	1180000421	S.IC TA78L05F (TE12R,F)	T	74.9/105.9
IC1502	1180002010	S.REG BA08FP-E2	T	52.4/108.6
IC1551	1110001401	S.IC uPC1555G2-E1-A	T	9.6/96.4
IC1601	1110003091	IC LA4425A-E		
IC1602	1130006221	S.IC TC4W53FU (TE12L,F)	T	10.4/79.6
IC1651	1110005450	S.IC TS522IDT	T	21.9/71.7
IC1702	1110005450	S.IC TS522IDT	T	21.9/58.3
IC1703	1130006221	S.IC TC4W53FU (TE12L,F)	T	32.4/65.6
IC2001	1130008230	S.IC BU4053BCFV-E2	T	33.9/16.7
IC3101	1180000421	S.IC TA78L05F (TE12R,F)	T	130.4/4.8
IC3201	1130005721	S.IC TC7W04F (TE12L,F)	T	104.2/26.6
IC3301	1130011141	S.IC CAT24WC256X-1.8-T13	T	81.4/70
IC3302	1110006271	S.IC S-80842CNMC-B83-T2G	T	60.8/55.9
IC3303	1140011616	S.IC M30624FGAFP	T	94.7/50.3
IC3304	1130006441	S.IC TC7S08F (TE85R,F)	T	60.8/59.3
IC3601	1130007700	S.IC BU4094BCF-E2	T	103/19.3
IC3602	1130007700	S.IC BU4094BCF-E2	T	70.8/38.3
IC3603	1130007700	S.IC BU4094BCF-E2	T	54.1/33.7
IC3604	1130007700	S.IC BU4094BCF-E2	T	144/72.6
IC3606	1110003690	S.IC M62354GP 75EC	T	60.8/47.3
IC3607	1130011831	S.IC TC7SZ32FU (TE85L,F)	T	102.9/36
IC3608	1120002790	S.IC TC74AC574FT (EL)	T	68.7/75
Q51	1530003091	S.STR 2SC4213-B (TE85R,F)	T	160.5/105.6
Q101	1590001960	S.STR XP4311 (TX)	T	150.5/45.8
Q102	1530003851	S.STR 2SC5551F-TD-E	T	163/63.2
Q103	1530003851	S.STR 2SC5551F-TD-E	T	160.1/49.4
Q104	1530002691	S.STR 2SC4116-GR (TE85R,F)	T	147.8/49.9
Q105	1590000680	S.STR DTC114EUA T106	T	145.4/47.4
Q106	1590001330	S.STR DTA114EUA T106	T	147.6/45.8
Q201	1560001311	S.FET MMBFU310LT1G	T	185.1/46.4
Q202	1560001311	S.FET MMBFU310LT1G	T	178.7/46.4
Q203	1580000620	S.FET 3SK131-T2 MAS	T	156.8/25.9
Q204	1560001311	S.FET MMBFU310LT1G	T	175.5/46.4
Q205	1560001311	S.FET MMBFU310LT1G	T	181.8/46.4
Q401	1580000620	S.FET 3SK131-T2 MAS	T	129.1/81.6
Q501	1580000620	S.FET 3SK131-T2 MAS	T	71/95.4
Q601	1530003851	S.STR 2SC5551F-TD-E	T	208.9/48.1
Q701	1580000620	S.FET 3SK131-T2 MAS	T	202.6/45.9
Q702	1580000620	S.FET 3SK131-T2 MAS	T	208.6/18.1
Q703	1580000620	S.FET 3SK131-T2 MAS	T	203.1/18.1
Q801	1580000620	S.FET 3SK131-T2 MAS	T	109.5/78.7
Q1203	1510000771	S.STR 2SA1586-GR (TE85L,F)	T	49.8/16.4
Q1204	1510000771	S.STR 2SA1586-GR (TE85L,F)	T	61.6/24.4
Q1205	1530003091	S.STR 2SC4213-B (TE85R,F)	T	61.6/20.5
Q1206	1530003091	S.STR 2SC4213-B (TE85R,F)	T	72.1/9.9
Q1207	1510000771	S.STR 2SA1586-GR (TE85L,F)	T	61.8/29.6
Q1501	1540000441	S.STR 2SD1619T-TD-E	T	33.6/92.2
Q1502	1540000441	S.STR 2SD1619T-TD-E	T	34.8/102.3
Q1503	1590000680	S.STR DTC114EUA T106	T	37.3/95.6
Q1504	1590000680	S.STR DTC114EUA T106	T	38.5/105.1
Q1505	1540000441	S.STR 2SD1619T-TD-E	T	145.2/109.8
Q1506	1590000680	S.STR DTC114EUA T106	T	78.4/74.2
Q1507	1560001260	S.FET 2SK3018 T106	T	73.6/100.2
Q1801	1540000441	S.STR 2SD1619T-TD-E	T	150.1/15.3
Q1802	1590000680	S.STR DTC114EUA T106	T	156.8/17.3
Q3031	1530002691	S.STR 2SC4116-GR (TE85R,F)	T	116.8/32.7
Q3301	1530002691	S.STR 2SC4116-GR (TE85R,F)	T	70.3/55.8
Q3302	1590000680	S.STR DTC114EUA T106	T	98.6/31.7
Q3601	1510000771	S.STR 2SA1586-GR (TE85L,F)	T	100.4/104.4
Q3602	1590000680	S.STR DTC114EUA T106	T	103.7/109
Q3603	1590000680	S.STR DTC114EUA T106	T	96.2/107.8
Q3605	1590000680	S.STR DTC114EUA T106	T	111/107.6
Q3606	1590000680	S.STR DTC114EUA T106	T	100.9/107
Q3801	1510000771	S.STR 2SA1586-GR (TE85L,F)	T	63.5/62.3
Q3802	1590000680	S.STR DTC114EUA T106	T	59.7/62.6
D51	1750001360	S.DIO L709CER (9401)	T	160.3/110.5
D52	1750001360	S.DIO L709CER (9401)	T	163/110.5
D53	1750000581	S.DIO 1SV307 (TPH3,F)	T	184.4/107
D54	1750000581	S.DIO 1SV307 (TPH3,F)	T	177.4/105.9
D101	1750000581	S.DIO 1SV307 (TPH3,F)	T	155.2/102.8
D102	1750000581	S.DIO 1SV307 (TPH3,F)	T	157.7/101.7
D103	1750000581	S.DIO 1SV307 (TPH3,F)	T	168.9/98.5
D104	1750000581	S.DIO 1SV307 (TPH3,F)	T	179.5/102.5
D105	1750000581	S.DIO 1SV307 (TPH3,F)	T	185.9/102.5
D106	1750000581	S.DIO 1SV307 (TPH3,F)	T	193.5/102.5
D107	1750000581	S.DIO 1SV307 (TPH3,F)	T	200.9/102.5
D108	1750000581	S.DIO 1SV307 (TPH3,F)	T	208.1/102.5
D109	1750000581	S.DIO 1SV307 (TPH3,F)	T	216.2/102.5
D110	1750000581	S.DIO 1SV307 (TPH3,F)	T	151.8/72.8
D111	1750000581	S.DIO 1SV307 (TPH3,F)	T	159.8/72.8
D112	1750000581	S.DIO 1SV307 (TPH3,F)	T	169.2/72.8
D113	1750000581	S.DIO 1SV307 (TPH3,F)	T	172.1/72.8

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REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
D114	1750000581	S.DIO 1SV307 (TPH3,F)	T	181.2/71.6
D115	1750000581	S.DIO 1SV307 (TPH3,F)	T	189.2/71.3
D116	1750000581	S.DIO 1SV307 (TPH3,F)	T	201.5/72.8
D117	1750000581	S.DIO 1SV307 (TPH3,F)	T	209.5/72.8
D118	1750000581	S.DIO 1SV307 (TPH3,F)	T	218/72.8
D119	1750000581	S.DIO 1SV307 (TPH3,F)	T	157.6/66.2
D120	1750000581	S.DIO 1SV307 (TPH3,F)	T	154.3/66.2
D121	1730002300	S.ZEN MA8082-M (TX)	T	169.9/47.6
D122	1750000581	S.DIO 1SV307 (TPH3,F)	T	168.5/65.8
D123	1750000581	S.DIO 1SV307 (TPH3,F)	T	171.2/66.3
D125	1790001250	S.DIO MA2S111-(TX)	T	64.8/25.1
D127	1790001250	S.DIO MA2S111-(TX)	T	43.6/27.4
D128	1790001250	S.DIO MA2S111-(TX)	T	48.1/19.5
D129	1790001250	S.DIO MA2S111-(TX)	T	74.1/16.8
D130	1790001250	S.DIO MA2S111-(TX)	T	72.8/25
D131	1790001250	S.DIO MA2S111-(TX)	T	65.6/12.7
D132	1750000581	S.DIO 1SV307 (TPH3,F)	T	75.8/89.9
D133	1750000581	S.DIO 1SV307 (TPH3,F)	T	87.6/88.5
D134	1790001250	S.DIO MA2S111-(TX)	T	145.2/13.2
D135	1790001240	S.DIO MA2S728-(TX)	T	23.4/80
D201	1750000581	S.DIO 1SV307 (TPH3,F)	T	189.9/63.2
D202	1750000581	S.DIO 1SV307 (TPH3,F)	T	191.8/63.2
D203	1750000581	S.DIO 1SV307 (TPH3,F)	T	206.5/32.2
D204	1750000581	S.DIO 1SV307 (TPH3,F)	T	187.1/31.4
D205	1750000581	S.DIO 1SV307 (TPH3,F)	T	185.8/19
D206	1750000581	S.DIO 1SV307 (TPH3,F)	T	164.5/33.4
D207	1750000581	S.DIO 1SV307 (TPH3,F)	T	167/33.5
D301	1750000581	S.DIO 1SV307 (TPH3,F)	T	143.3/35.6
D302	1750000581	S.DIO 1SV307 (TPH3,F)	T	147.6/37.8
D303	1750000431	S.DIO HSB88WSTR-E	T	133.6/42.8
D304	1750000581	S.DIO 1SV307 (TPH3,F)	T	132.8/59.3
D305	1750000581	S.DIO 1SV307 (TPH3,F)	T	131.3/56.8
D401	1750000581	S.DIO 1SV307 (TPH3,F)	T	103.7/84.3
D403	1750000581	S.DIO 1SV307 (TPH3,F)	T	100.6/77
D601	1750000581	S.DIO 1SV307 (TPH3,F)	T	215.7/19.4
D901	1750000581	S.DIO 1SV307 (TPH3,F)	T	37.2/79.4
D902	1750000581	S.DIO 1SV307 (TPH3,F)	T	37.2/79.4
D1501	1790001670	S.DIO RB706F-40T106	T	31.9/97.7
D1502	1790001670	S.DIO RB706F-40T106	T	32.7/107.5
D1551	1730002320	S.ZEN MA8051-M (TX)	T	17.5/103.4
D1552	1790001670	S.DIO RB706F-40T106	T	16.9/100.6
D1554	1730002280	S.ZEN MA8091-M (TX)	T	4.3/101.1
D3001	1790001670	S.DIO RB706F-40T106	T	81.8/74.2
D3002	1790001670	S.DIO RB706F-40T106	T	95.2/29
D3003	1790001670	S.DIO RB706F-40T106	T	92.3/29.9
D3006	1790001670	S.DIO RB706F-40T106	T	93/90.3
D3007	1790001670	S.DIO RB706F-40T106	T	84.3/74.2
D3031	1790001250	S.DIO MA2S111-(TX)	T	123.3/32.1
D3301	1790001250	S.DIO MA2S111-(TX)	T	88.9/34.5
D3302	1790001250	S.DIO MA2S111-(TX)	T	90.2/34.5
D3303	1790001250	S.DIO MA2S111-(TX)	T	67/54.8
D3802	1790001250	S.DIO MA2S111-(TX)	T	50.5/76.1
FI201	2010002580	S.FIL FL-348 (64.455 MHz)	T	178.2/27.2
FI401	2020001960	CER CFWLB455KHFA-B0		
FI402	2020001330	CER CFWLA455KHFA-B0		
X3301	6050010501	S.XTL CR-636A (14.7456 MHz)	T	79.7/44.4
X3302	6050011030	S.XTL DMX-26S 32.768KHZ	T	77.1/55.4
L1	6200010670	S.COL C2520C-R18G-A (0.18U)	T	200.1/108.7
L2	6200010740	S.COL C2520C-R27G-A	T	196.5/107.2
L3	6200002861	S.COL NLV25T-4R7J	T	194.5/111.2
L4	6200002041	S.COL NLV25T-101J	T	184.4/111.8
L51	6200003550	S.COL SP0406-4R7K-6	T	166.3/103.1
L52	6200005011	S.COL NLV25T-100J	T	
L53	6180003540	S.COL SP0406-3R9K-6	T	
L54	6200002041	S.COL NLV25T-101J	T	149.2/107.4
L55	6200002041	S.COL NLV25T-101J	T	181.5/111.4
L56	6200002041	S.COL NLV25T-101J	T	189.5/107
L57	6200005491	S.COL NLV32T-331J	T	172/111.7
L101	6180003540	S.COL SP0406-3R9K-6	T	
L102	6180003490	S.COL SP0406-2R7K-6	T	
L103	6200002041	S.COL NLV25T-101J	T	155.8/99
L104	6180003400	S.COL SP0406-1R5K-6	T	
L105	6200002041	S.COL NLV25T-101J	T	166.4/97.2
L106	6180003390	S.COL SP0406-1R2K-6	T	
L107	6200002041	S.COL NLV25T-101J	T	180/99.2
L108	6180003480	S.COL SP0406-R82K-6	T	
L109	6200002041	S.COL NLV25T-101J	T	183.4/101.1
L110	6180003470	S.COL SP0406-R56K-6Z	T	
L111	6200002041	S.COL NLV25T-101J	T	189.9/101.1
L112	6180003370	S.COL SP0406-R68K-6Z	T	
L113	6200002041	S.COL NLV25T-101J	T	197.2/101.1
L114	6180003340	S.COL SP0406-R33K-6Z	T	
L115	6200002041	S.COL NLV25T-101J	T	204.5/101.1
L116	6180003330	S.COL SP0406-R27K-6Z	T	
L117	6200002041	S.COL NLV25T-101J	T	212.6/101.1
L118	6180003550	S.COL SP0406-4R7K-6	T	
L119	6180003570	S.COL SP0406-3R3K-6	T	
L120	6180003410	S.COL SP0406-2R2K-6	T	
L121	6180003400	S.COL SP0406-1R5K-6	T	
L122	6180003380	S.COL SP0406-1R0K-6	T	
L123	6180003370	S.COL SP0406-R68K-6Z	T	
L124	6180003360	S.COL SP0406-R47K-6Z	T	
L125	6180003350	S.COL SP0406-R39K-6Z	T	
L126	6180003330	S.COL SP0406-R27K-6Z	T	

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REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
L128	6180003410	COL SP0406-2R2K-6		
L129	6180003370	COL SP0406-R68K-6Z		
L130	6180003360	COL SP0406-R47K-6Z		
L131	6180003340	COL SP0406-R33K-6Z		
L132	6180003330	COL SP0406-R27K-6Z		
L133	6200002041	S.COL NLV25T-101J	T	157.3/74.4
L134	6180003400	COL SP0406-1R5K-6		
L135	6180003380	COL SP0406-1R0K-6		
L136	6180003480	COL SP0406-R82K-6		
L137	6180003470	COL SP0406-R56K-6Z		
L138	6180003360	COL SP0406-R47K-6Z		
L139	6180003340	COL SP0406-R33K-6Z		
L140	6200002041	S.COL NLV25T-101J	T	147.9/101.8
L141	6180003420	COL SP0406-1R8K-6		
L142	6180003420	COL SP0406-1R8K-6		
L143	6180003480	COL SP0406-R82K-6		
L144	6200002041	S.COL NLV25T-101J	T	180.4/68.2
L145	6200002041	S.COL NLV25T-101J	T	150.1/69.3
L146	6200002041	S.COL NLV25T-101J	T	151/66.5
L147	6200003221	S.COL NLV32T-151J	T	152.8/59
L148	6140003800	COL LR-439		
L149	6200009690	S.COL LQH43CN101K03L	T	154/39.8
L150	6200002041	S.COL NLV25T-101J	T	162.7/67.9
L151	6200009690	S.COL LQH43CN101K03L	T	157/63.5
L152	6140004480	COL LR-508		
L153	6140004480	COL LR-508		
L154	6200002041	S.COL NLV25T-101J	T	166.1/67.7
L155	6140003800	COL LR-439		
L156	6200009690	S.COL LQH43CN101K03L	T	167.9/42.7
L157	6200003221	S.COL NLV32T-151J	T	168.8/60.1
L201	6200002041	S.COL NLV25T-101J	T	199/62.4
L202	6200010740	S.COL C2520C-R27G-A	T	190.3/57.3
L203	6200010740	S.COL C2520C-R27G-A	T	186.4/59.1
L204	6140003620	COL LR-403		
L206	6130002961	S.COL #617DB-1327=P3	T	190.5/44.3
L207	6150005130	COL LS-541		
L208	6150004280	COL LS-484B (C-14927)		
L209	6150004280	COL LS-484B (C-14927)		
L210	6150004270	COL LS-483A (C-14924)		
L211	6150004280	COL LS-484B (C-14927)		
L212	6200010680	S.COL C2520C-R22G-A (0.22U)	T	175.3/41.3
L213	6200010680	S.COL C2520C-R22G-A (0.22U)	T	189/49.4
L214	6200002041	S.COL NLV25T-101J	T	184.3/62.6
L215	6200010760	S.COL C2520C-27NG-A	T	175.4/36.3
L216	6200003281	S.COL NLV25T-2R2J	T	193.7/24.5
L217	6200003281	S.COL NLV25T-2R2J	T	190.4/35.5
L301	6200010440	S.COL C2520C-1R2G-A (1.2U)	T	142.5/49.6
L302	6200010440	S.COL C2520C-1R2G-A (1.2U)	T	135.5/50.9
L303	6140002810	COL LR-317	T	133.8/34.8
L304	6140003530	COL LR-395		
L305	6200005011	S.COL NLV25T-100J	T	135.9/54.1
L306	6200009871	S.COL NLV25T-120J	T	135/57
L307	6200003281	S.COL NLV25T-2R2J	T	133.1/25
L308	6200002181	S.COL NLV25T-R12J	T	135.6/29
L401	6150005140	COL LS-542		
L403	6150002291	COL LS-450		
L404	6150005140	COL LS-542		
L405	6150005140	COL LS-542		
L406	6200003520	S.COL ELJFB 102K-F	T	104.6/79.4
L502	6200003520	S.COL ELJFB 102K-F	T	67.6/91.7
L504	6200002041	S.COL NLV25T-101J	T	47.2/94.9
L505	6200002041	S.COL NLV25T-101J	T	44.4/93.2
L506	6200003520	S.COL ELJFB 102K-F	T	40.8/93.9
L601	6200005011	S.COL NLV25T-100J	T	215.2/55.8
L602	6200010730	S.COL C2520C-68NG-A	T	214.6/28
L603	6200010730	S.COL C2520C-68NG-A	T	215/33.2
L604	6200010720	S.COL C2520C-56NG-A	T	209.7/36.3
L605	6200005011	S.COL NLV25T-100J	T	215.3/48.8
L606	6140003820	COL LR-441		
L701	6140002810	S.COL LR-317	T	202.5/52.6
L702	6200010780	S.COL C2520C-1R0G-A	T	202.9/37.8
L703	6200010770	S.COL C2520C-R68G-A	T	201.5/31.9
L704	6200002041	S.COL NLV25T-101J	T	200/18
L705	6200002041	S.COL NLV25T-101J	T	189.2/19.9
L706	6150004270	COL LS-483A (C-14924)		
L707	6140002810	COL LR-317	T	208.9/13.7
L801	6150004440	COL LS-495		
L901	6200002041	S.COL NLV25T-101J	T	39/83.6
L902	6200002041	S.COL NLV25T-101J	T	33.9/86.1
L903	6200002041	S.COL NLV25T-101J	T	36.2/82.8
L904	6180003630	COL EL0607SKI-102J		
L1302	6200005491	S.COL NLV32T-331J	T	115.2/96.3
L1551	6180003630	COL EL0607SKI-102J		
L1552	6180003630	COL EL0607SKI-102J		
L1601	6170000140	COL LW-15		
L1801	6200003950	S.COL HF50ACC 322513-T	T	146.9/10.7
L1802	6200003950	S.COL HF50ACC 322513-T	T	172.5/7.8
L1803	6200002041	S.COL NLV25T-101J	T	146.9/5.4
L1804	6200002041	S.COL NLV25T-101J	T	166.4/14.1
L1805	6200002041	S.COL NLV25T-101J	T	163.9/17.2
L1901	6200002041	S.COL NLV25T-101J	T	123.2/112
L1902	6200002041	S.COL NLV25T-101J	T	127.5/107
L1903	6200002041	S.COL NLV25T-101J	T	141.5/107.1
L1904	6200003950	S.COL HF50ACC 322513-T	T	124.4/106.2
L1905	6200002041	S.COL NLV25T-101J	T	95.9/92.8
L1906	6140002220	COL LR-270 (TR6X3X2 3A9)		
L1907	6200003950	S.COL HF50ACC 322513-T	T	18.5/5.7
L1908	6200003950	S.COL HF50ACC 322513-T	T	120.5/102.3
L1909	6200005011	S.COL NLV25T-100J	T	109.7/111.4
L1911	6200003261	S.COL NLV32T-101J	T	135.7/106.2
L1912	6200003261	S.COL NLV32T-101J	T	99.5/111.1
L1916	6200003261	S.COL NLV32T-101J	T	116.7/111.1
L1917	6200003261	S.COL NLV32T-101J	T	128/101.3
L2051	6200003950	S.COL HF50ACC 322513-T	T	56.5/14.1

[MAIN UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
L2052	6200002041	S.COL NLV25T-101J	T	46/12.6
L2053	6200002041	S.COL NLV25T-101J	T	44.6/9.5
L2054	6200003950	S.COL HF50ACC 322513-T	T	51.6/12.6
L2055	6180003620	COL ELC09D 102F 1M		
L3301	6200001831	S.COL NLV32T-100J	T	120.8/12.5
L3601	6200003950	S.COL HF50ACC 322513-T	T	101/9.2
L3602	6200003950	S.COL HF50ACC 322513-T	T	101/3.7
R1	7030003230	S.RES ERJ3GEYJ 180 V (18)	T	202.9/107.2
R2	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	202.9/111.5
R3	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	201.6/111.5
R4	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	193/106.5
R5	7030003230	S.RES ERJ3GEYJ 180 V (18)	T	187.4/111.2
R6	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	189.2/111.8
R7	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	187.4/112.5
R51	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	182.3/109.2
R52	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	186.7/108.6
R53	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	187.4/106.8
R54	7030003430	S.RES ERJ3GEYJ 821 V (820)	T	168.7/102
R56	7030003360	S.RES ERJ3GEYJ 221 V (220)	T	180.4/107.1
R57	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	182.3/107.9
R58	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	185.9/106.8
R59	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	164/106.9
R60	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	160.6/107.6
R61	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	151.1/107.6
R101	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	154.3/75.3
R102	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	161.3/77.1
R103	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	168.4/79.3
R104	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	175.3/73.7
R105	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	185/78.4
R106	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	197.5/81.2
R107	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	206.7/72.7
R108	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	214.5/72.7
R109	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	152/80.4
R110	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	173.8/67.8
R111	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	155.1/70
R112	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	156.6/67.8
R113	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	152.5/46.4
R114	7030003280	S.RES ERJ3GEYJ 470 V (47)	T	150.1/41.7
R115	7030003280	S.RES ERJ3GEYJ 470 V (47)	T	155.5/60.5
R116	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	168.6/62.9
R117	7030003490	S.RES ERJ3GEYJ 272 V (2.7 k)	T	167.2/62.9
R118	7030003490	S.RES ERJ3GEYJ 272 V (2.7 k)	T	156.5/43.1
R119	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	156.1/46.6
R120	7030003390	S.RES ERJ3GEYJ 391 V (390)	T	168.3/38.7
R121	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	167.1/47.3
R122	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	163.2/69.8
R123	7030003380	S.RES ERJ3GEYJ 331 V (330)	T	147.9/52.7
R124	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	152.5/70
R125	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	154/67.8
R126	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	176.9/67.8
R127	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	160.6/69.8
R128	7030003380	S.RES ERJ3GEYJ 331 V (330)	T	146/51.9
R129	7030003380	S.RES ERJ3GEYJ 331 V (330)	T	145.9/49.9
R130	7030003500	S.RES ERJ3GEYJ 332 V (3.3 k)	T	212.3/97.9
R131	7030003860	S.RES ERJ3GE JPW V	T	148.5/43.5
R136	7030003280	S.RES ERJ3GEYJ 470 V (47)	T	162.8/60
R137	7030003280	S.RES ERJ3GEYJ 470 V (47)	T	161.1/46.2
R138	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	T	151.8/43.5
R201	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	195.6/63.5
R202	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	186.9/62.8
R203	7030004040	S.RES ERJ3GEYJ 4R7 V (4.7)	T	189.7/37.4
R204	7030003410	S.RES ERJ3GEYJ 561 V (560)	T	182.9/55.1
R205	7030003410	S.RES ERJ3GEYJ 561 V (560)	T	181.5/55.1
R206	7030003410	S.RES ERJ3GEYJ 561 V (560)	T	176.1/55
R207	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	205.4/29.7
R208	7030003280	S.RES ERJ3GEYJ 470 V (47)	T	180.8/34.7
R209	7030003200	S.RES ERJ3GEYJ 100 V (10)	T	159.3/27
R210	7030005691	S.RES ERA3YED 123V (12 k)	T	161.2/23.4
R211	7030003470	S.RES ERJ3GEYJ 182 V (1.8 k)	T	157.9/22.7
R212	7030003800	S.RES ERJ3GEYJ 105 V (1 M)	T	154.3/28.7
R213	7030003300	S.RES ERJ3GEYJ 680 V (68)	T	154.5/22.6
R214	7030003480	S.RES ERJ3GEYJ 222 V (2.2 k)	T	153.8/25.6
R215	7030003200	S.RES ERJ3GEYJ 100 V (10)	T	146.8/33.4
R216	7030003410	S.RES ERJ3GEYJ 561 V (560)	T	178.7/55
R217	7310002720	S.TRI RV-148 (RH03A3AS3X0DA) 472	T	176.8/50.9
R218	7310002720	S.TRI RV-148 (RH03A3AS3X0DA) 472	T	183.5/50.9
R219	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	176.9/44
R220	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	188.4/51.8
R221	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	196.3/61.3
R222	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	190.4/31.4
R223	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	169.8/32.5
R224	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	153.6/33.7
R225	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	187.4/34.9
R226	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	186.9/16.7
R227	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	193.2/28.8
R228	7030003860	S.RES ERJ3GE JPW V	T	182/58.6
R229	7030003860	S.RES ERJ3GE JPW V	T	150.3/32.5
R231	7030000010	S.RES MCR10EZHH JPW (000)	T	1

[MAIN UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
R401	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	139.3/60.4
R404	7030005691	S.RES ERA3YED 123V (12 k)	T	134.6/80.8
R405	7030003490	S.RES ERJ3GEYJ 272 V (2.7 k)	T	132.7/80
R406	7030003760	S.RES ERJ3GEYJ 474 V (470 k)	T	132.9/83.8
R407	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	126.2/81.3
R408	7030003360	S.RES ERJ3GEYJ 221 V (220)	T	131/84.5
R409	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	132.3/85.8
R410	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	98/88.9
R413	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	81.5/89.2
R414	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	105.9/84.1
R415	7030003480	S.RES ERJ3GEYJ 222 V (2.2 k)	T	64.1/98.5
R502	7030003690	S.RES ERJ3GEYJ 124 V (120 k)	T	66.7/95.2
R503	7030003580	S.RES ERJ3GEYJ 153 V (15 k)	T	68.6/96
R504	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	70.1/98.4
R505	7030003430	S.RES ERJ3GEYJ 821 V (820)	T	73.9/93.3
R506	7030003400	S.RES ERJ3GEYJ 471 V (470)	T	70.1/92.5
R507	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	61.5/97.5
R508	7510001461	S.TMR NTCG16 3NH 471JT	T	73.9/94.6
R514	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	44.1/95.1
R515	7030005691	S.RES ERA3YED 123V (12 k)	T	66.7/96.5
R601	7030007860	S.RES ERJ3GEYJ 8R2V (8.2)	T	209.9/27.2
R602	7030003340	S.RES ERJ3GEYJ 151 V (150)	T	209.9/28.6
R603	7030007860	S.RES ERJ3GEYJ 8R2V (8.2)	T	211.8/29.4
R604	7030004040	S.RES ERJ3GEYJ 4R7 V (4.7)	T	215/53.2
R605	7030003280	S.RES ERJ3GEYJ 470 V (47)	T	207.9/41.7
R606	7030005280	S.RES ERJ3GEYJ 6R8V (6.8)	T	207.9/44.9
R607	7030003420	S.RES ERJ3GEYJ 681 V (680)	T	212.2/50.9
R608	7030003420	S.RES ERJ3GEYJ 681 V (680)	T	209/51.5
R609	7030003390	S.RES ERJ3GEYJ 391 V (390)	T	207.4/52.9
R610	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	206.8/29.2
R611	7030003230	S.RES ERJ3GEYJ 180 V (18)	T	209.8/60.9
R612	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	207.9/60.1
R613	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	207.9/61.6
R701	7030003360	S.RES ERJ3GEYJ 221 V (220)	T	203.3/48.3
R702	7030003410	S.RES ERJ3GEYJ 561 V (560)	T	199.5/48.4
R703	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	205.3/42.9
R704	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	T	205.4/45.6
R705	7030003360	S.RES ERJ3GEYJ 221 V (220)	T	199.4/42.7
R706	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	202.9/42
R707	7510001461	S.TMR NTCG16 3NH 471JT	T	201.6/42
R708	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	211.1/18.4
R709	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	205.8/18.4
R710	7030003360	S.RES ERJ3GEYJ 221 V (220)	T	200.1/20.5
R711	7030003400	S.RES ERJ3GEYJ 471 V (470)	T	200.8/14.6
R712	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	189.6/12.6
R713	7030003300	S.RES ERJ3GEYJ 680 V (68)	T	214.4/15.3
R714	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	213.4/12.9
R715	7030003230	S.RES ERJ3GEYJ 180 V (18)	T	187/11.5
R716	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	186.4/12.8
R717	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	213.4/18.7
R718	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	215.7/15.3
R719	7030003280	S.RES ERJ3GEYJ 470 V (47)	T	198.3/52
R720	7030003550	S.RES ERJ3GEYJ 822 V (8.2 k)	T	200.8/12.7
R722	7510001461	S.TMR NTCG16 3NH 471JT	T	199.5/45.5
R723	7030003860	S.RES ERJ3GE JPW V	T	206.3/37.8
R801	7030003480	S.RES ERJ3GEYJ 222 V (2.2 k)	T	111.9/78.5
R802	7030003240	S.RES ERJ3GEYJ 220 V (22)	T	111.1/84.2
R803	7030003360	S.RES ERJ3GEYJ 221 V (220)	T	110.5/81.1
R804	7030003400	S.RES ERJ3GEYJ 471 V (470)	T	107.2/77
R813	7030003600	S.RES ERJ3GEYJ 223 V (22 k)	T	107.9/81.5
R814	7030003700	S.RES ERJ3GEYJ 154 V (150 k)	T	107.2/83.3
R901	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	35.7/79.5
R902	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	35.5/74.3
R903	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	38.8/79.7
R904	7030003280	S.RES ERJ3GEYJ 470 V (47)	T	34.3/82.4
R910	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	33.5/84.2
R911	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	73.6/90.6
R1002	7030003400	S.RES ERJ3GEYJ 471 V (470)	T	32.9/43.4
R1003	7030003400	S.RES ERJ3GEYJ 471 V (470)	T	37.4/36.8
R1004	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	30.6/35.6
R1005	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	35.4/35.5
R1006	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	22.3/35.3
R1007	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	17.1/35.3
R1008	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	27.5/35.3
R1009	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	16.9/45.1
R1010	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	17.9/37.2
R1011	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	23.5/44.6
R1012	7030003860	S.RES ERJ3GE JPW V	T	25.4/43.8
R1013	7030003860	S.RES ERJ3GE JPW V	T	130.1/39.3
R1014	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	23.5/45.9
R1015	7030003650	S.RES ERJ3GEYJ 563 V (56 k)	T	20.9/44.6
R1016	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	20.9/45.9
R1017	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	27.5/33.4
R1018	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	21.1/32
R1019	7030003860	S.RES ERJ3GE JPW V	T	130.1/40.6
R1051	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	16.9/30.8
R1052	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	28.1/20.8
R1053	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	26.5/31.6
R1054	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	13.4/20.8
R1055	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	14.7/21.9
R1057	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	23.8/20.2
R1058	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	18.1/20.1
R1059	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	18.6/21.9
R1060	7030005871	S.RES ERA3YKD 104V (100 k)	T	24.3/22
R1101	7030005871	S.RES ERA3YKD 104V (100 k)	T	26.9/81.8
R1102	7030009591	S.RES ERA3YED 472V (4.7 k)	T	26/80
R1105	7030003500	S.RES ERJ3GEYJ 332 V (3.3 k)	T	20.8/80
R1107	7030003800	S.RES ERJ3GEYJ 105 V (1 M)	T	25.6/81.8
R1109	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	23/86.8
R1110	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	16.4/80.7
R1111	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	26.9/84.4
R1113	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	25.6/84.4
R1201	7030003860	S.RES ERJ3GE JPW V	T	62.9/13.7
R1202	7030003760	S.RES ERJ3GEYJ 474 V (470 k)	T	68.7/6.4

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REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
R1203	7030003760	S.RES ERJ3GEYJ 474 V (470 k)	T	67.4/7.3
R1204	7030003860	S.RES ERJ3GE JPW V	T	70.2/30.3
R1205	7030005871	S.RES ERA3YKD 104V (100 k)	T	64.7/22.5
R1206	7030003760	S.RES ERJ3GEYJ 474 V (470 k)	T	64.7/23.8
R1207	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	72.3/6.4
R1208	7030003610	S.RES ERJ3GEYJ 273 V (27 k)	T	73.4/18.7
R1209	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	T	73.4/21.3
R1210	7030009591	S.RES ERA3YED 472V (4.7 k)	T	71.5/30.3
R1211	7030005871	S.RES ERA3YKD 104V (100 k)	T	69.2/12.4
R1212	7030003740	S.RES ERJ3GEYJ 334 V (330 k)	T	46.2/27.5
R1213	7030005871	S.RES ERA3YKD 104V (100 k)	T	70.9/28.4
R1214	7030003730	S.RES ERJ3GEYJ 274 V (270 k)	T	67.6/29.1
R1215	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	T	71.6/15.5
R1216	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	T	71.6/14.2
R1217	7030003740	S.RES ERJ3GEYJ 334 V (330 k)	T	69/14.2
R1218	7030003630	S.RES ERJ3GEYJ 393 V (39 k)	T	68.9/29.1
R1219	7030003800	S.RES ERJ3GEYJ 105 V (1 M)	T	66.4/16.6
R1220	7030003840	S.RES ERJ3GEYJ 225 V (2.2 M)	T	71.6/16.8
R1221	7030003840	S.RES ERJ3GEYJ 225 V (2.2 M)	T	70.9/25.8
R1222	7030003400	S.RES ERJ3GEYJ 471 V (470)	T	65.9/15.3
R1223	7030003480	S.RES ERJ3GEYJ 222 V (2.2 k)	T	48.1/18.2
R1224	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	72.1/19.5
R1225	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	67.7/25.8
R1226	7030003360	S.RES ERJ3GEYJ 221 V (220)	T	46.5/16.3
R1228	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	61.5/22.4
R1230	7030003800	S.RES ERJ3GEYJ 105 V (1 M)	T	65.6/10.9
R1232	7030003800	S.RES ERJ3GEYJ 105 V (1 M)	T	45.5/18.2
R1233	7030003760	S.RES ERJ3GEYJ 474 V (470 k)	T	64.7/21.2
R1234	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	61.8/26.4
R1235	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	63.3/27.7
R1236	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	59.6/28.5
R1237	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	63.8/29.7
R1238	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	65.6/29.3
R1240	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	69.7/7.7
R1301	7030008240	S.RES ERJ12Y0R00U	T	145.5/83.7
R1303	7030003200	S.RES ERJ3GEYJ 100 V (10)	T	87/14.4
R1304	7030003200	S.RES ERJ3GEYJ 100 V (10)	T	85.7/14.4
R1305	7030003200	S.RES ERJ3GEYJ 100 V (10)	T	84.4/14.4
R1306	7030003200	S.RES ERJ3GEYJ 100 V (10)	T	83.1/14.4
R1307	7030003200	S.RES ERJ3GEYJ 100 V (10)	T	81.8/14.4
R1308	7030003200	S.RES ERJ3GEYJ 100 V (10)	T	80.5/14.4
R1309	7030004040	S.RES ERJ3GEYJ 4R7 V (4.7)	T	74.6/27.1
R1310	7030003500	S.RES ERJ3GEYJ 332 V (3.3 k)	T	147.9/98.8
R1311	7030003500	S.RES ERJ3GEYJ 332 V (3.3 k)	T	155.5/97.1
R1312	7030003500	S.RES ERJ3GEYJ 332 V (3.3 k)	T	163.9/96.5
R1313	7030003500	S.RES ERJ3GEYJ 332 V (3.3 k)	T	181.5/96.7
R1314	7030003500	S.RES ERJ3GEYJ 332 V (3.3 k)	T	182.4/98.6
R1315	7030003500	S.RES ERJ3GEYJ 332 V (3.3 k)	T	190.1/97
R1316	7030003500	S.RES ERJ3GEYJ 332 V (3.3 k)	T	196.9/97.5
R1317	7030003500	S.RES ERJ3GEYJ 332 V (3.3 k)	T	204.2/97.5
R1318	7030004040	S.RES ERJ3GEYJ 4R7 V (4.7)	T	147.5/78.4
R1319	7030008240	S.RES ERJ12Y0R00U	T	132.1/95.9
R1501	7030008190	S.RES ERJ12YJ330U (33)	T	79.9/110.2
R1502	7030004040	S.RES ERJ3GEYJ 4R7 V (4.7)	T	37.3/93.7
R1503	7030004040	S.RES ERJ3GEYJ 4R7 V (4.7)	T	38.5/102.2
R1504	7030003380	S.RES ERJ3GEYJ 331 V (330)	T	33.8/96.1
R1505	7030003380	S.RES ERJ3GEYJ 331 V (330)	T	34.8/106.2
R1506	7030003380	S.RES ERJ3GEYJ 331 V (330)	T	145.8/105.9
R1507	7030003380	S.RES ERJ3GEYJ 331 V (330)	T	34.5/98
R1508	7030004040	S.RES ERJ3GEYJ 4R7 V (4.7)	T	147.2/105.9
R1509	7030003380	S.RES ERJ3GEYJ 331 V (330)	T	35.1/96.1
R1510	7030003380	S.RES ERJ3GEYJ 331 V (330)	T	35.6/108.1
R1511	7030003380	S.RES ERJ3GEYJ 331 V (330)	T	36.3/106.2
R1512	7030003380	S.RES ERJ3GEYJ 331 V (330)	T	144/106.6
R1513	7030003380	S.RES ERJ3GEYJ 331 V (330)	T	144/105.3
R1514	7030010660	S.RES ERJ1TYJ 6R8U (6.8)	T	64.1/111.4
R1515	7030003630	S.RES ERJ3GEYJ 393 V (39 k)	T	96.7/95.1
R1516	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	T	95.4/97.3
R1551	7030006220	S.RES ERJ12YJ470U (47)	T	20.3/102.2
R1553	7030006220	S.RES ERJ12YJ470U (47)	T	3.8/98.3
R1555	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	7.3/101
R1556	7030003720	S.RES ERJ3GEYJ 224 V (220 k)	T	9.1/101.8
R1601	7030003400	S.RES ERJ3GEYJ 471 V (470)	T	17.2/8.6
R1602	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	6.2/79.7
R1603	7030009591	S.RES ERA3YED 472V (4.7 k)	T	4.2/3.5
R1606	7030003400	S.RES ERJ3GEYJ 471 V (470)	T	8.8/76.8
R1607	7030003400	S.RES ERJ3GEYJ 471 V (470)	T	14.3/80.2
R1612	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	54.5/47.5
R1651	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	23.6/76.7
R1652	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	24.9/76.7
R1653	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	19.3/66.1
R1654	7030003860	S.RES ERJ3GE JPW V	T	20.6/67.4
R1655	7030003480	S.RES ERJ3GEYJ 222 V (2.2 k)	T	21.9/66.1
R1656	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	23.2/67.4
R1657	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	25/66.8
R1658	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	26.9/66.2
R1659	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	28.7/66.7
R1660	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	16.7/75.3
R1661	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	26.9/68.8
R1662	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	19.7/76.7
R1701	7030003860	S.RES ERJ3GE JPW V	T	13.7/56.8
R1706	7030003580	S.RES ERJ3GEYJ 153 V (15 k)	T	11.7/46.3
R1707	7030003380	S.RES ERJ3GEYJ 331 V (330)	T	88.3/13.3
R1709	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	22.4/53.3
R1710	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	22.9/51.4
R1711	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	16.7/63.2
R1712	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	27/53.8
R1713	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	20.5/63.9
R1715	7030003550	S.RES ERJ3GEYJ 822 V (8.2 k)	T	21.8/62.6
R1716	7030003480	S.RES ERJ3GEYJ 222 V (2.2 k)	T	23.1/63.9
R1717	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	24.4/62.2
R1718	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	26.3/63.3
R1719	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	31.4/62.4
R1720	7030003400	S.RES ERJ3GEYJ 471 V (470)	T	34.7/64.4

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REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
R1721	7030003400	S.RES ERJ3GEYJ 471 V (470)	T	31.3/70.1
R1722	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	33.9/68.8
R1723	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	34.7/67
R1724	7030009591	S.RES ERA3YED 472V (4.7 k)	T	118/4.5
R1801	7030003500	S.RES ERJ3GEYJ 332 V (3.3 k)	T	153.6/14.5
R1802	7030003500	S.RES ERJ3GEYJ 332 V (3.3 k)	T	155.2/14.6
R1803	7030003500	S.RES ERJ3GEYJ 332 V (3.3 k)	T	156.7/14.5
R1804	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	160.6/15.1
R1805	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	142.1/20.4
R1902	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	137.9/107.5
R2001	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	31.9/11.3
R2002	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	33.2/11.3
R2003	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	44.8/21.2
R2004	7030003860	S.RES ERJ3GE JPW V	T	45.7/14.5
R3001	7030003460	S.RES ERJ3GEYJ 152 V (1.5 k)	T	96.6/73.6
R3002	7030003460	S.RES ERJ3GEYJ 152 V (1.5 k)	T	90.1/74.1
R3003	7030003360	S.RES ERJ3GEYJ 221 V (220)	T	53.1/66.8
R3004	7030003360	S.RES ERJ3GEYJ 221 V (220)	T	55/67.5
R3006	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	101.8/31.6
R3007	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	88.4/70
R3008	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	90.5/70.1
R3009	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	91.8/70
R3010	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	94.9/90.1
R3011	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	96.2/70.1
R3012	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	54.5/50.1
R3013	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	T	56.3/67.5
R3014	7030003800	S.RES ERJ3GEYJ 105 V (1 M)	T	52.6/49.8
R3015	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	T	57.6/67.5
R3016	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	T	60.4/32.3
R3017	7030003360	S.RES ERJ3GEYJ 221 V (220)	T	67.4/60.3
R3019	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	120.4/71.9
R3020	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	T	118.7/73.6
R3021	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	T	63.9/60.3
R3023	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	90.3/25.3
R3024	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	89/25.3
R3025	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	T	94.8/31.9
R3026	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	T	92.1/32.5
R3031	7030003600	S.RES ERJ3GEYJ 223 V (22 k)	T	116.7/30.8
R3032	7030009591	S.RES ERA3YED 472V (4.7 k)	T	120.7/30.8
R3033	7030003580	S.RES ERJ3GEYJ 153 V (15 k)	T	118.8/32.8
R3034	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	T	120.7/32.1
R3050	7030005691	S.RES ERA3YED 123V (12 k)	T	83.9/77.6
R3051	7030009591	S.RES ERA3YED 472V (4.7 k)	T	85.8/76.8
R3052	7030005871	S.RES ERA3YKD 104V (100 k)	T	87.1/76.8
R3101	7030008190	S.RES ERJ12VJ330U (33)	T	141.9/3.8
R3201	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	T	84.2/42.9
R3202	7030005871	S.RES ERA3YKD 104V (100 k)	T	107.6/27.4
R3203	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	60.3/37.8
R3204	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	T	97.4/5.9
R3301	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	95.4/64.2
R3302	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	96.4/65.5
R3303	7030003650	S.RES ERJ3GEYJ 563 V (56 k)	T	57.8/57.1
R3304	7030003650	S.RES ERJ3GEYJ 563 V (56 k)	T	57.2/55.3
R3305	7030003720	S.RES ERJ3GEYJ 224 V (220 k)	T	68.3/54.7
R3306	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	98.4/72
R3307	7030003360	S.RES ERJ3GEYJ 221 V (220)	T	78.6/62
R3308	7030003360	S.RES ERJ3GEYJ 221 V (220)	T	80.9/62.2
R3309	7030003360	S.RES ERJ3GEYJ 221 V (220)	T	74.9/61.7
R3310	7030003360	S.RES ERJ3GEYJ 221 V (220)	T	74.9/60.4
R3311	7030003360	S.RES ERJ3GEYJ 221 V (220)	T	74.9/59.1
R3313	7030005871	S.RES ERA3YKD 104V (100 k)	T	98.3/35.1
R3314	7030005871	S.RES ERA3YKD 104V (100 k)	T	118.1/14
R3315	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	113.4/25.6
R3316	7030003720	S.RES ERJ3GEYJ 224 V (220 k)	T	112.2/70.1
R3317	7030003720	S.RES ERJ3GEYJ 224 V (220 k)	T	113.5/70.1
R3318	7030003720	S.RES ERJ3GEYJ 224 V (220 k)	T	114.8/70.1
R3319	7030003720	S.RES ERJ3GEYJ 224 V (220 k)	T	116.1/70.1
R3320	7030003720	S.RES ERJ3GEYJ 224 V (220 k)	T	107/70.1
R3321	7030003720	S.RES ERJ3GEYJ 224 V (220 k)	T	108.3/70.1
R3322	7030003720	S.RES ERJ3GEYJ 224 V (220 k)	T	109.6/70.1
R3323	7030003720	S.RES ERJ3GEYJ 224 V (220 k)	T	110.9/70.1
R3324	7030003720	S.RES ERJ3GEYJ 224 V (220 k)	T	105.7/70.1
R3325	7030003720	S.RES ERJ3GEYJ 224 V (220 k)	T	104.4/70.1
R3326	7030003720	S.RES ERJ3GEYJ 224 V (220 k)	T	117.4/70.1
R3327	7030003720	S.RES ERJ3GEYJ 224 V (220 k)	T	103.1/70.1
R3328	7030003720	S.RES ERJ3GEYJ 224 V (220 k)	T	101.8/70.1
R3329	7030003720	S.RES ERJ3GEYJ 224 V (220 k)	T	100.5/70.1
R3330	7030003720	S.RES ERJ3GEYJ 224 V (220 k)	T	114.4/36.5
R3331	7030003720	S.RES ERJ3GEYJ 224 V (220 k)	T	110.5/37.6
R3332	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	T	87.1/32.4
R3333	7030003360	S.RES ERJ3GEYJ 221 V (220)	T	87.6/30.6
R3334	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	T	89/31.7
R3335	7030003360	S.RES ERJ3GEYJ 221 V (220)	T	90.3/31.7
R3336	7030003360	S.RES ERJ3GEYJ 221 V (220)	T	92.6/36.1
R3337	7030003360	S.RES ERJ3GEYJ 221 V (220)	T	93.9/36.1
R3339	7030003720	S.RES ERJ3GEYJ 224 V (220 k)	T	95.2/35.1
R3340	7030003360	S.RES ERJ3GEYJ 221 V (220)	T	99.6/36
R3341	7030003720	S.RES ERJ3GEYJ 224 V (220 k)	T	67.6/56.6
R3342	7030003760	S.RES ERJ3GEYJ 474 V (470 k)	T	65.7/55.8
R3343	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	64.4/58.4
R3344	7030005871	S.RES ERA3YKD 104V (100 k)	T	64.4/55.8
R3345	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	T	83/53.3
R3346	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	69.2/60.1
R3347	7030005871	S.RES ERA3YKD 104V (100 k)	T	57.8/59.3
R3348	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	T	100.9/36
R3349	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	97/35.1
R3350	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	T	96.7/31.5
R3402	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	113.5/73.6
R3403	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	114.8/73.6
R3407	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	109.6/73.6
R3408	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	110.9/73.6
R3409	7030003560	S.RES ERJ3GEYJ 103 V (10 k)[OTH] only	T	105.7/73.6
R3601	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	T	119.1/65.4
R3604	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	T	110.1/10.3

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REF NO.	ORDER NO.	DESCRIPTION		M.	H/V LOCATION
R3605	7030003580	S.RES	ERJ3GEYJ 153 V (15 k)	T	104.6/14.8
R3606	7030003640	S.RES	ERJ3GEYJ 473 V (47 k)	T	107.1/11.5
R3608	7030003640	S.RES	ERJ3GEYJ 473 V (47 k)	T	89.5/29.8
R3609	7030003640	S.RES	ERJ3GEYJ 473 V (47 k)	T	48.2/34.4
R3610	7030003640	S.RES	ERJ3GEYJ 473 V (47 k)	T	46.7/33.1
R3611	7030003640	S.RES	ERJ3GEYJ 473 V (47 k)	T	48.2/31.8
R3613	7030003640	S.RES	ERJ3GEYJ 473 V (47 k)	T	119.1/41.5
R3614	7030003360	S.RES	ERJ3GEYJ 221 V (220)	T	119.1/58.4
R3615	7030003360	S.RES	ERJ3GEYJ 221 V (220)	T	119.1/55.8
R3616	7030003360	S.RES	ERJ3GEYJ 221 V (220)	T	119.1/62.8
R3617	7030003360	S.RES	ERJ3GEYJ 221 V (220)	T	119.1/57.1
R3618	7030003360	S.RES	ERJ3GEYJ 221 V (220)	T	119.1/37.6
R3619	7030003360	S.RES	ERJ3GEYJ 221 V (220)	T	119.1/48
R3620	7030003360	S.RES	ERJ3GEYJ 221 V (220)	T	119.1/51.9
R3621	7030003360	S.RES	ERJ3GEYJ 221 V (220)	T	119.1/50.6
R3622	7030003360	S.RES	ERJ3GEYJ 221 V (220)	T	119.1/49.3
R3623	7030003360	S.RES	ERJ3GEYJ 221 V (220)	T	119.1/44.1
R3625	7030003640	S.RES	ERJ3GEYJ 473 V (47 k)	T	119.1/59.7
R3626	7030003640	S.RES	ERJ3GEYJ 473 V (47 k)	T	119.1/53.2
R3627	7030003640	S.RES	ERJ3GEYJ 473 V (47 k)	T	119.1/54.5
R3628	7030003640	S.RES	ERJ3GEYJ 473 V (47 k)	T	119.1/46.7
R3629	7030003640	S.RES	ERJ3GEYJ 473 V (47 k)	T	119.1/45.4
R3640	7030003600	S.RES	ERJ3GEYJ 223 V (22 k)	T	98.2/107
R3643	7030005691	S.RES	ERA3YED 123V (12 k)	T	98.3/104.4
R3801	7030003400	S.RES	ERJ3GEYJ 471 V (470)	T	50.5/77.4
R3803	7030003720	S.RES	ERJ3GEYJ 224 V (220 k)	T	105.9/60.3
R3804	7030003720	S.RES	ERJ3GEYJ 224 V (220 k)	T	106.8/62.5
R3805	7030003720	S.RES	ERJ3GEYJ 224 V (220 k)	T	63.8/70.2
R3806	7030003720	S.RES	ERJ3GEYJ 224 V (220 k)	T	62.5/70.2
R3807	7030003720	S.RES	ERJ3GEYJ 224 V (220 k)	T	65.3/68
R3808	7030003720	S.RES	ERJ3GEYJ 224 V (220 k)	T	66.6/68
R3809	7030003720	S.RES	ERJ3GEYJ 224 V (220 k)	T	67.9/68
R3810	7030003720	S.RES	ERJ3GEYJ 224 V (220 k)	T	69.2/68
R3811	7030003720	S.RES	ERJ3GEYJ 224 V (220 k)	T	70.5/68
R3812	7030003720	S.RES	ERJ3GEYJ 224 V (220 k)	T	113.1/36.5
R3813	7030003720	S.RES	ERJ3GEYJ 224 V (220 k)	T	109.6/31.4
R3814	7030003720	S.RES	ERJ3GEYJ 224 V (220 k)	T	107/31.4
R3815	7030003720	S.RES	ERJ3GEYJ 224 V (220 k)	T	105.7/31.4
R3816	7030003480	S.RES	ERJ3GEYJ 222 V (2.2 k)	T	61.6/62.6
R3817	7030003720	S.RES	ERJ3GEYJ 224 V (220 k)	T	71.8/68
R3818	7030003400	S.RES	ERJ3GEYJ 471 V (470)	T	63.8/77
R3819	7030003400	S.RES	ERJ3GEYJ 471 V (470)	T	63.8/75.7
R3820	7030003400	S.RES	ERJ3GEYJ 471 V (470)	T	66.2/79.6
R3821	7030003400	S.RES	ERJ3GEYJ 471 V (470)	T	73.2/76.1
R3823	7030003860	S.RES	ERJ3GE JPW V		
			[OTH], [EXP] only	T	111.8/37.6
R3905	7030003640	S.RES	ERJ3GEYJ 473 V (47 k)	T	86.9/34.3
R3915	7030003360	S.RES	ERJ3GEYJ 221 V (220)	T	92/1.9
R3916	7030003360	S.RES	ERJ3GEYJ 221 V (220)	T	91.7/11.9
R3917	7030003360	S.RES	ERJ3GEYJ 221 V (220)	T	96.4/2.5
R3918	7030003360	S.RES	ERJ3GEYJ 221 V (220)	T	93/10.4
R3919	7030003360	S.RES	ERJ3GEYJ 221 V (220)	T	96.1/4.4
R3920	7030003360	S.RES	ERJ3GEYJ 221 V (220)	T	94.3/9.9
R3921	7030003360	S.RES	ERJ3GEYJ 221 V (220)	T	84.2/38.8
C1	4030007110	S.CER	C1608 CH 1H 680J-T	T	200.3/111.5
C2	4030007120	S.CER	C1608 CH 1H 820J-T	T	200.1/106.4
C3	4030007150	S.CER	C1608 CH 1H 151J-T	T	199/111.5
C4	4030007050	S.CER	C1608 CH 1H 220J-T	T	194.3/107.2
C5	4030007120	S.CER	C1608 CH 1H 820J-T	T	197.7/111.5
C6	4030011600	S.CER	C1608 JB 1E 104K-T	T	192/108.4
C7	4030011600	S.CER	C1608 JB 1E 104K-T	T	196.4/111.5
C8	4030011600	S.CER	C1608 JB 1E 104K-T	T	192/104.7
C9	4030011600	S.CER	C1608 JB 1E 104K-T	T	188.5/109.9
C10	4030011600	S.CER	C1608 JB 1E 104K-T	T	185.9/109.9
C11	4030011600	S.CER	C1608 JB 1E 104K-T	T	179.6/111.8
C12	4030011600	S.CER	C1608 JB 1E 104K-T	T	163.2/105
C54	4030011600	S.CER	C1608 JB 1E 104K-T	T	165.4/106.4
C56	4030018620	S.CER	C1608 CH 1H 222J-T	T	168.7/103.7
C57	4030018640	S.CER	C2012 CH 1H 103J-T	T	169.5/106.1
C59	4030018590	S.CER	C1608 CH 1H 122J-T	T	172.4/102.7
C61	4030018640	S.CER	C2012 CH 1H 103J-T	T	172.2/104.3
C62	4030018620	S.CER	C1608 CH 1H 222J-T	T	174.8/105.3
C63	4030018640	S.CER	C2012 CH 1H 103J-T	T	172.2/106
C64	4030011600	S.CER	C1608 JB 1E 104K-T	T	148.4/111.5
C65	4030011600	S.CER	C1608 JB 1E 104K-T	T	184.7/104.8
C66	4030011600	S.CER	C1608 JB 1E 104K-T	T	149.9/111.5
C67	4030011600	S.CER	C1608 JB 1E 104K-T	T	151.3/111.4
C68	4030011600	S.CER	C1608 JB 1E 104K-T	T	162.6/106.9
C69	4030018640	S.CER	C2012 CH 1H 103J-T	T	172.2/107.8
C101	4030011600	S.CER	C1608 JB 1E 104K-T	T	136.9/101.9
C102	4030011600	S.CER	C1608 JB 1E 104K-T	T	138.2/101.8
C103	4030011600	S.CER	C1608 JB 1E 104K-T	T	139.5/101.8
C104	4030011600	S.CER	C1608 JB 1E 104K-T	T	140.8/101.8
C105	4030011600	S.CER	C1608 JB 1E 104K-T	T	142.1/101.8
C106	4030011600	S.CER	C1608 JB 1E 104K-T	T	143.4/101.9
C107	4030011600	S.CER	C1608 JB 1E 104K-T	T	144.7/101.8
C108	4030011600	S.CER	C1608 JB 1E 104K-T	T	212.3/99.2
C109	4030018610	S.CER	C1608 CH 1H 182J-T	T	149.4/92.1
C110	4030018600	S.CER	C1608 CH 1H 152J-T	T	155.4/92.2
C111	4030017800	S.CER	C1608 CH 1H 561J-T	T	164/94.5
C112	4030017870	S.CER	C1608 CH 1H 681J-T	T	173.7/95.9
C113	4030011340	S.CER	C1608 CH 1H 471J-T	T	185.1/91.9
C114	4030007160	S.CER	C1608 CH 1H 181J-T	T	191.2/93.4
C115	4030007170	S.CER	C1608 CH 1H 221J-T	T	201/88.8
C116	4030007130	S.CER	C1608 CH 1H 101J-T	T	208.2/90.3
C117	4030007150	S.CER	C1608 CH 1H 151J-T	T	215.9/93.7
C118	4030011280	S.CER	C1608 CH 1H 271J-T	T	164/93.2
C119	4030007140	S.CER	C1608 CH 1H 121J-T	T	154.4/89.4
C120	4030007150	S.CER	C1608 CH 1H 151J-T	T	159.2/91.4
C121	4030007090	S.CER	C1608 CH 1H 470J-T	T	176.1/89.7
C122	4030007070	S.CER	C1608 CH 1H 330J-T	T	188.3/91.1
C123	4030007070	S.CER	C1608 CH 1H 330J-T	T	198.7/88.2
C124	4030007090	S.CER	C1608 CH 1H 470J-T	T	202.9/87.9

[MAIN UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
C125	4030007050	S.CER C1608 CH 1H 220J-T	T	210.2/89.5
C126	4030007050	S.CER C1608 CH 1H 220J-T	T	214.6/86.1
C127	4030008920	S.CER C1608 JB 1H 473K-T	T	150.7/80.4
C128	4030017810	S.CER C1608 CH 1H 102J-T	T	148.8/81.2
C129	4030017850	S.CER C2012 CH 1H 272J-T	T	158.6/82.1
C130	4030018580	S.CER C1608 CH 1H 821J-T	T	158.7/84.3
C131	4030018640	S.CER C2012 CH 1H 103J-T	T	167/84.8
C132	4030007120	S.CER C1608 CH 1H 820J-T	T	162.9/91.8
C133	4030017800	S.CER C1608 CH 1H 561J-T	T	162.1/89.8
C134	4030011340	S.CER C1608 CH 1H 471J-T	T	174/87.9
C135	4030011280	S.CER C1608 CH 1H 271J-T	T	186.2/89.3
C136	4030011280	S.CER C1608 CH 1H 271J-T	T	194.3/86.7
C137	4030007160	S.CER C1608 CH 1H 181J-T	T	193.5/88.5
C138	4030011280	S.CER C1608 CH 1H 271J-T	T	204.4/84.8
C139	4030007170	S.CER C1608 CH 1H 221J-T	T	201/87.5
C140	4030007130	S.CER C1608 CH 1H 101J-T	T	210.2/86.9
C141	4030007140	S.CER C1608 CH 1H 121J-T	T	207.1/87.7
C142	4030007150	S.CER C1608 CH 1H 151J-T	T	215.9/85
C143	4030007130	S.CER C1608 CH 1H 101J-T	T	213.9/84.2
C144	4030007140	S.CER C1608 CH 1H 121J-T	T	174.6/86
C145	4030017800	S.CER C1608 CH 1H 561J-T	T	175.9/86
C146	4030011340	S.CER C1608 CH 1H 471J-T	T	184.6/85.6
C147	4030018640	S.CER C2012 CH 1H 103J-T	T	155.7/84.1
C148	4030018630	S.CER C2012 CH 1H 472J-T	T	163/85.7
C149	4030018610	S.CER C1608 CH 1H 182J-T	T	171.4/86.6
C150	4030018620	S.CER C1608 CH 1H 222J-T	T	178.2/78.3
C151	4030018620	S.CER C1608 CH 1H 222J-T	T	186.7/83.3
C152	4030018600	S.CER C1608 CH 1H 152J-T	T	194.9/82.5
C153	4030018600	S.CER C1608 CH 1H 152J-T	T	204.5/81
C154	4030017810	S.CER C1608 CH 1H 102J-T	T	212/79.7
C155	4030018590	S.CER C1608 CH 1H 122J-T	T	159/76.9
C156	4030011600	S.CER C1608 JB 1E 104K-T	T	154.3/74
C157	4030018600	S.CER C1608 CH 1H 152J-T	T	161.9/87.2
C158	4030018610	S.CER C1608 CH 1H 182J-T	T	171.4/87.9
C159	4030018580	S.CER C1608 CH 1H 821J-T	T	177.9/79.9
C160	4030007130	S.CER C1608 CH 1H 101J-T	T	192.2/77.3
C161	4030011600	S.CER C1608 JB 1E 104K-T	T	187.6/78.4
C162	4030007160	S.CER C1608 CH 1H 181J-T	T	201.2/80.1
C163	4030011600	S.CER C1608 JB 1E 104K-T	T	194.9/81.2
C164	4030007140	S.CER C1608 CH 1H 121J-T	T	209.8/78.4
C165	4030011600	S.CER C1608 JB 1E 104K-T	T	204.1/72.7
C166	4030007130	S.CER C1608 CH 1H 101J-T	T	217.5/77.6
C167	4030011600	S.CER C1608 JB 1E 104K-T	T	211.9/72.7
C168	4030011600	S.CER C1608 JB 1E 104K-T	T	135.6/101.9
C169	4030018580	S.CER C1608 CH 1H 821J-T	T	165.5/79.7
C170	4030011600	S.CER C1608 JB 1E 104K-T	T	161.9/74
C171	4030011280	S.CER C1608 CH 1H 271J-T	T	174.6/80.9
C172	4030011600	S.CER C1608 JB 1E 104K-T	T	169.7/75.4
C173	4030007160	S.CER C1608 CH 1H 181J-T	T	183.1/81.6
C174	4030011600	S.CER C1608 JB 1E 104K-T	T	177.9/73.7
C175	4030007040	S.CER C1608 CH 1H 180J-T	T	201/90.1
C176	4030011600	S.CER C1608 JB 1E 104K-T	T	170.4/70
C177	4030011600	S.CER C1608 JB 1E 104K-T	T	152.5/56.4
C178	4030011600	S.CER C1608 JB 1E 104K-T	T	152.5/63.3
C179	4030011600	S.CER C1608 JB 1E 104K-T	T	150.1/39.1
C180	4030011600	S.CER C1608 JB 1E 104K-T	T	155.5/59.2
C181	4030011600	S.CER C1608 JB 1E 104K-T	T	154.2/45.7
C182	4030011600	S.CER C1608 JB 1E 104K-T	T	155.5/56.6
C183	4030011600	S.CER C1608 JB 1E 104K-T	T	160.6/66
C184	4030011600	S.CER C1608 JB 1E 104K-T	T	169.9/62.9
C185	4030011600	S.CER C1608 JB 1E 104K-T	T	156.1/45.3
C186	4030011600	S.CER C1608 JB 1E 104K-T	T	167/69.6
C187	4030011600	S.CER C1608 JB 1E 104K-T	T	163.9/50.4
C188	4030011600	S.CER C1608 JB 1E 104K-T	T	165.7/38.7
C189	4030011600	S.CER C1608 JB 1E 104K-T	T	166/57.1
C190	4030011600	S.CER C1608 JB 1E 104K-T	T	165.7/47.3
C191	4030011600	S.CER C1608 JB 1E 104K-T	T	169/36.7
C192	4030011600	S.CER C1608 JB 1E 104K-T	T	165.4/40.9
C193	4030011600	S.CER C1608 JB 1E 104K-T	T	171.4/59
C194	4030011600	S.CER C1608 JB 1E 104K-T	T	165.8/58.4
C195	4030011600	S.CER C1608 JB 1E 104K-T	T	165.4/43.5
C197	4510008510	S.ELE EEE1CA471P	T	145.9/59.8
C198	4030007020	S.CER C1608 CH 1H 120J-T	T	165.4/60
C199	4030007020	S.CER C1608 CH 1H 120J-T	T	163.6/47.7
C200	4030018630	S.CER C2012 CH 1H 472J-T	T	155.7/82.4
C201	4030011600	S.CER C1608 JB 1E 104K-T	T	186.8/68.2
C202	4030007120	S.CER C1608 CH 1H 820J-T	T	191.2/60.8
C203	4030007050	S.CER C1608 CH 1H 220J-T	T	189.7/59.5
C204	4030007150	S.CER C1608 CH 1H 151J-T	T	189.7/55
C205	4030006990	S.CER C1608 CH 1H 080D-T	T	183.4/60.1
C206	4030007130	S.CER C1608 CH 1H 101J-T	T	188.3/62.9
C207	4030011600	S.CER C1608 JB 1E 104K-T	T	181.9/61.7
C208	4030006880	S.CER C1608 JB 1H 472K-T	T	190.5/39.3
C209	4030007020	S.CER C1608 CH 1H 120J-T	T	177.4/57.2
C210	4030011600	S.CER C1608 JB 1E 104K-T	T	184.3/55.1
C211	4030006880	S.CER C1608 JB 1H 472K-T	T	186.8/40.7
C212	4030011600	S.CER C1608 JB 1E 104K-T	T	188.8/39.3
C213	4030011600	S.CER C1608 JB 1E 104K-T	T	180.1/55.1
C214	4030017810	S.CER C1608 CH 1H 102J-T	T	205.3/34.3
C215	4030007020	S.CER C1608 CH 1H 120J-T	T	183.3/29.4
C216	4030007000	S.CER C1608 CH 1H 090D-T	T	180.3/31
C217	4030007130	S.CER C1608 CH 1H 101J-T	T	159.3/24.2
C218	4030006880	S.CER C1608 JB 1H 472K-T	T	146.1/35.3
C219	4030006880	S.CER C1608 JB 1H 472K-T	T	153.5/30.8
C220	4030006880	S.CER C1608 JB 1H 472K-T	T	152.9/28.7
C221	4030006880	S.CER C1608 JB 1H 472K-T	T	155.8/22.6
C222	4030007030	S.CER C1608 CH 1H 150J-T	T	173.1/27.2
C223	4030006880	S.CER C1608 JB 1H 472K-T	T	147.9/35.3
C224	4030006880	S.CER C1608 JB 1H 472K-T	T	151/34.7
C225	4030009920	S.CER C1608 CH 1H 050B-T	T	161.4/27.7
C226	4030011600	S.CER C1608 JB 1E 104K-T	T	174.7/55
C227	4030011600	S.CER C1608 JB 1E 104K-T	T	177.4/55
C228	4030007030	S.CER C1608 CH 1H 150J-T	T	183/44
C229	4030007030	S.CER C1608 CH 1H 150J-T	T	180.2/44

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REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
C230	4030007170	S.CER C1608 CH 1H 221J-T	T	178.2/34.7
C231	4030006880	S.CER C1608 JB 1H 472K-T	T	182.1/23.7
C232	4030006880	S.CER C1608 JB 1H 472K-T	T	173.1/30
C233	4030006880	S.CER C1608 JB 1H 472K-T	T	184.2/31.4
C234	4030006880	S.CER C1608 JB 1H 472K-T	T	153.6/35.1
C235	4030009920	S.CER C1608 CH 1H 050B-T	T	152.5/25.6
C236	4030009920	S.CER C1608 CH 1H 050B-T	T	161.4/26.4
C237	4030007130	S.CER C1608 CH 1H 101J-T	T	208.2/89
C238	4030007130	S.CER C1608 CH 1H 101J-T	T	208.9/86.9
C239	4030007130	S.CER C1608 CH 1H 101J-T	T	190.9/77.3
C240	4030007140	S.CER C1608 CH 1H 121J-T	T	153.1/89.4
C241	4030007150	S.CER C1608 CH 1H 151J-T	T	191.2/94.7
C242	4030007150	S.CER C1608 CH 1H 151J-T	T	193.5/89.8
C243	4030007150	S.CER C1608 CH 1H 151J-T	T	183.1/80.3
C244	4030007140	S.CER C1608 CH 1H 121J-T	T	195.6/86.7
C245	4030007140	S.CER C1608 CH 1H 121J-T	T	175.9/80.9
C246	4030006970	S.CER C1608 CH 1H 060D-T	T	187/91.1
C247	4030007000	S.CER C1608 CH 1H 090D-T	T	174.8/89.7
C248	4030018610	S.CER C1608 CH 1H 182J-T	T	161.9/88.5
C301	4030006880	S.CER C1608 JB 1H 472K-T	T	146.4/42.4
C302	4030007150	S.CER C1608 CH 1H 151J-T	T	138.8/49.7
C303	4030007150	S.CER C1608 CH 1H 151J-T	T	139.1/51.5
C304	4030011600	S.CER C1608 JB 1E 104K-T	T	136.1/21.4
C305	4030011600	S.CER C1608 JB 1E 104K-T	T	138/21.3
C306	4030011600	S.CER C1608 JB 1E 104K-T	T	136.1/24.3
C307	4030011600	S.CER C1608 JB 1E 104K-T	T	133.2/26.9
C308	4030017870	S.CER C1608 CH 1H 681J-T	T	140.9/52.6
C309	4030011600	S.CER C1608 JB 1E 104K-T	T	138.8/47.1
C310	4030018630	S.CER C2012 CH 1H 472J-T	T	139.3/54.1
C311	4030017850	S.CER C2012 CH 1H 272J-T	T	138.4/57
C312	4030011600	S.CER C1608 JB 1E 104K-T	T	170.5/36.7
C315	4030018590	S.CER C1608 CH 1H 122J-T	T	136.9/56.9
C316	4030007150	S.CER C1608 CH 1H 151J-T	T	138.8/48.4
C317	4030007150	S.CER C1608 CH 1H 151J-T	T	137.8/51.5
C318	4030007100	S.CER C1608 CH 1H 560J-T	T	133.2/28.5
C319	4030007100	S.CER C1608 CH 1H 560J-T	T	133.2/30
C401	4030011600	S.CER C1608 JB 1E 104K-T	T	142/65.9
C402	4030006880	S.CER C1608 JB 1H 472K-T	T	131.4/80
C403	4030011600	S.CER C1608 JB 1E 104K-T	T	136.8/40
C404	4030011600	S.CER C1608 JB 1E 104K-T	T	135.5/83.8
C405	4030006880	S.CER C1608 JB 1H 472K-T	T	132.9/82.5
C406	4030011600	S.CER C1608 JB 1E 104K-T	T	126.2/80
C407	4030006880	S.CER C1608 JB 1H 472K-T	T	96/77.8
C408	4030011600	S.CER C1608 JB 1E 104K-T	T	130.5/86.4
C409	4030011600	S.CER C1608 JB 1E 104K-T	T	98/87.6
C410	4030011600	S.CER C1608 JB 1E 104K-T	T	81.5/87.9
C411	4030011600	S.CER C1608 JB 1E 104K-T	T	109/83.7
C412	4030006880	S.CER C1608 JB 1H 472K-T	T	85.2/86.9
C413	4030007140	S.CER C1608 CH 1H 121J-T	T	93/77.8
C414	4030007160	S.CER C1608 CH 1H 181J-T	T	83.3/87.7
C501	4030011600	S.CER C1608 JB 1E 104K-T	T	64.1/95.7
C502	4030006880	S.CER C1608 JB 1H 472K-T	T	71.4/98.4
C503	4030011600	S.CER C1608 JB 1E 104K-T	T	64.1/97
C504	4030006880	S.CER C1608 JB 1H 472K-T	T	68.3/99.1
C505	4030006880	S.CER C1608 JB 1H 472K-T	T	68.3/97.8
C506	4030011600	S.CER C1608 JB 1E 104K-T	T	73.9/95.9
C507	4030011600	S.CER C1608 JB 1E 104K-T	T	59.6/98.4
C508	4030011600	S.CER C1608 JB 1E 104K-T	T	65.1/93
C509	4030011600	S.CER C1608 JB 1E 104K-T	T	39.1/89.4
C510	4510008520	S.ELE EEE1CA470SP	T	85.7/94
C511	4030011600	S.CER C1608 JB 1E 104K-T	T	40.4/89.4
C512	4510008520	S.ELE EEE1CA470SP	T	78.6/96.1
C516	4030011600	S.CER C1608 JB 1E 104K-T	T	44.8/96.9
C517	4030011600	S.CER C1608 JB 1E 104K-T	T	47.4/92.6
C518	4030011600	S.CER C1608 JB 1E 104K-T	T	47.2/87.4
C519	4030011600	S.CER C1608 JB 1E 104K-T	T	44/87.9
C520	4510008540	S.ELE EEE1CA100SR	T	43.9/84.8
C521	4030011600	S.CER C1608 JB 1E 104K-T	T	42.1/88.4
C600	4030011600	S.CER C1608 JB 1E 104K-T	T	210.9/55
C601	4030011600	S.CER C1608 JB 1E 104K-T	T	204.7/27.4
C602	4030007040	S.CER C1608 CH 1H 180J-T	T	209.9/30.2
C603	4030006880	S.CER C1608 JB 1H 472K-T	T	212.8/5

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REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
C803	4030011600	S.CER C1608 JB 1E 104K-T	T	110.5/82.4
C805	4030006880	S.CER C1608 JB 1H 472K-T	T	107.2/79.6
C806	4510008520	S.ELE EEE1CA470SP	T	117.1/89.2
C901	4030011600	S.CER C1608 JB 1E 104K-T	T	33.6/73.5
C902	4030011600	S.CER C1608 JB 1E 104K-T	T	38.8/77.1
C903	4030006880	S.CER C1608 JB 1H 472K-T	T	32.9/61.1
C904	4030011600	S.CER C1608 JB 1E 104K-T	T	38.3/85.5
C905	4030011600	S.CER C1608 JB 1E 104K-T	T	35.7/76.9
C906	4030011600	S.CER C1608 JB 1E 104K-T	T	33.6/74.8
C907	4030011600	S.CER C1608 JB 1E 104K-T	T	31.7/78.2
C908	4510008540	S.ELE EEE1CA100SR	T	29.9/83.9
C909	4030011600	S.CER C1608 JB 1E 104K-T	T	30.4/80.1
C910	4030011600	S.CER C1608 JB 1E 104K-T	T	38.6/81.7
C1001	4030011600	S.CER C1608 JB 1E 104K-T	T	32.9/42.1
C1002	4030011600	S.CER C1608 JB 1E 104K-T	T	35.5/37.6
C1003	4030011600	S.CER C1608 JB 1E 104K-T	T	26.2/35.3
C1004	4030018610	S.CER C1608 CH 1H 182J-T	T	19.7/35.3
C1005	4030017800	S.CER C1608 CH 1H 561J-T	T	21.3/35.3
C1006	4030006880	S.CER C1608 JB 1H 472K-T	T	23.6/35.3
C1007	4030006880	S.CER C1608 JB 1H 472K-T	T	24.9/35.3
C1008	4030006880	S.CER C1608 JB 1H 472K-T	T	18.4/35.3
C1010	4510008540	S.ELE EEE1CA100SR	T	27.3/39.6
C1011	4510008540	S.ELE EEE1CA100SR	T	16.9/41.3
C1012	4030011600	S.CER C1608 JB 1E 104K-T	T	19.1/45.3
C1051	4510008540	S.ELE EEE1CA100SR	T	16.9/26.4
C1052	4510008540	S.ELE EEE1CA100SR	T	27.4/24.5
C1054	4030018640	S.CER C2012 CH 1H 103J-T	T	26.5/28.7
C1055	4030017810	S.CER C1608 CH 1H 102J-T	T	26.9/30.3
C1056	4030008880	S.CER C1608 JB 1H 223K-T	T	23/31.3
C1057	4030008880	S.CER C1608 JB 1H 223K-T	T	23/32.6
C1058	4030008880	S.CER C1608 JB 1H 223K-T	T	15.5/20.1
C1059	4030018640	S.CER C2012 CH 1H 103J-T	T	20.2/21.6
C1061	4030017810	S.CER C1608 CH 1H 102J-T	T	21.7/22
C1062	4030008880	S.CER C1608 JB 1H 223K-T	T	17.3/21.9
C1063	4030008880	S.CER C1608 JB 1H 223K-T	T	16/21.9
C1064	4030008880	S.CER C1608 JB 1H 223K-T	T	23/22
C1101	4030011600	S.CER C1608 JB 1E 104K-T	T	20.4/86.8
C1102	4030011600	S.CER C1608 JB 1E 104K-T	T	18.2/80
C1201	4030006880	S.CER C1608 JB 1H 472K-T	T	41.9/25
C1202	4030011600	S.CER C1608 JB 1E 104K-T	T	72.1/22.1
C1203	4030011600	S.CER C1608 JB 1E 104K-T	T	67.7/27.1
C1205	4510008540	S.ELE EEE1CA100SR	T	42.8/31.4
C1206	4030017810	S.CER C1608 CH 1H 102J-T	T	47.8/16.3
C1208	4550007300	S.TAN F931A335MAABMA	T	62.5/16.8
C1209	4030011600	S.CER C1608 JB 1E 104K-T	T	48.2/30.5
C1212	4550007400	S.TAN F931A225MAABMA	T	60.4/16.8
C1214	4030011600	S.CER C1608 JB 1E 104K-T	T	69/15.5
C1223	4030011600	S.CER C1608 JB 1E 104K-T	T	69.7/10.3
C1224	4030011600	S.CER C1608 JB 1E 104K-T	T	69.7/9
C1226	4030011600	S.CER C1608 JB 1E 104K-T	T	92.7/75.7
C1227	4030011340	S.CER C1608 CH 1H 471J-T	T	70.9/27.1
C1303	4030011600	S.CER C1608 JB 1E 104K-T	T	83.7/2.1
C1304	4030011600	S.CER C1608 JB 1E 104K-T	T	83.2/10.8
C1305	4030011600	S.CER C1608 JB 1E 104K-T	T	82.4/2.1
C1306	4030011600	S.CER C1608 JB 1E 104K-T	T	81.9/10.8
C1307	4030011600	S.CER C1608 JB 1E 104K-T	T	81/2.1
C1308	4030011600	S.CER C1608 JB 1E 104K-T	T	80.6/10.8
C1309	4030011600	S.CER C1608 JB 1E 104K-T	T	74.6/24.5
C1310	4030011600	S.CER C1608 JB 1E 104K-T	T	147.5/79.7
C1315	4030011600	S.CER C1608 JB 1E 104K-T	T	185.1/64.5
C1451	4030011600	S.CER C1608 JB 1E 104K-T	T	18.5/9
C1501	4510008520	S.ELE EEE1CA470SP	T	85.3/104.5
C1502	4030011600	S.CER C1608 JB 1E 104K-T	T	79.9/102.4
C1503	4030011600	S.CER C1608 JB 1E 104K-T	T	79.9/105.7
C1504	4510008540	S.ELE EEE1CA100SR	T	74.6/110.8
C1505	4510008540	S.ELE EEE1CA100SR	T	42.6/110.2
C1506	4030011600	S.CER C1608 JB 1E 104K-T	T	49.4/112.6
C1507	4030011600	S.CER C1608 JB 1E 104K-T	T	49.7/104.6
C1508	4510008520	S.ELE EEE1CA470SP	T	45.5/101.1
C1509	4030008680	S.CER C2012 JF 1C 105Z-T	T	37.5/97.7
C1510	4030008680	S.CER C2012 JF 1C 105Z-T	T	37.3/109.6
C1551	4030008680	S.CER C2012 JF 1C 105Z-T	T	15.7/103.5
C1552	4510008520	S.ELE EEE1CA470SP	T	23.8/94.9
C1555	4510008520	S.ELE EEE1CA470SP	T	16/94.9
C1557	4030011600	S.CER C1608 JB 1E 104K-T	T	1.4/102.3
C1558	4510008540	S.ELE EEE1CA100SR	T	4/94.1
C1559	4030011600	S.CER C1608 JB 1E 104K-T	T	7.8/102.9
C1560	4030011600	S.CER C1608 JB 1E 104K-T	T	12.5/101
C1561	4030007170	S.CER C1608 CH 1H 221J-T	T	10.4/102.9
C1562	4030011600	S.CER C1608 JB 1E 104K-T	T	9.3/91.9
C1563	4030007170	S.CER C1608 CH 1H 221J-T	T	11.7/102.9
C1601	4510008510	S.ELE EEE1CA471P	T	22.6/14.1
C1602	4030011600	S.CER C1608 JB 1E 104K-T	T	4.3/19
C1603	4510008510	S.ELE EEE1CA471P	T	7.3/36.1
C1604	4510008510	S.ELE EEE1CA471P	T	7.3/70.7
C1605	4510008510	S.ELE EEE1CA471P	T	7.3/46.9
C1606	4030006880	S.CER C1608 JB 1H 472K-T	T	3.9/11.7
C1607	4510008540	S.ELE EEE1CA100SR	T	3.3/6.5
C1608	4030011600	S.CER C1608 JB 1E 104K-T	T	6.2/76.8
C1609	4030008680	S.CER C2012 JF 1C 105Z-T	T	14.2/78
C1610	4030011600	S.CER C1608 JB 1E 104K-T	T	10.4/81.9
C1618	4030008680	S.CER C2012 JF 1C 105Z-T	T	52.3/46.9
C1651	4030008850	S.CER C1608 JB 1H 123K-T	T	25.8/74.9
C1652	4030014300	S.CER C1608 JB 1E 563K-T	T	22.3/76.7
C1653	4030014300	S.CER C1608 JB 1E 563K-T	T	21/76.7
C1654	4030014300	S.CER C1608 JB 1E 563K-T	T	26.2/76.7
C1655	4030011600	S.CER C1608 JB 1E 104K-T	T	26.9/67.5
C1656	4510008540	S.ELE EEE1CA100SR	T	16.7/70.7
C1657	4510008540	S.ELE EEE1CA100SR	T	27.7/71.8
C1704	4030011600	S.CER C1608 JB 1E 104K-T	T	118.7/6.3
C1705	4030008680	S.CER C2012 JF 1C 105Z-T	T	86.7/11
C1706	4510008600	S.ELE EEE1CA47RNR	T	16.7/52.1
C1707	4030008850	S.CER C1608 JB 1H 123K-T	T	24.2/54
C1709	4030014300	S.CER C1608 JB 1E 563K-T	T	21.1/53.3

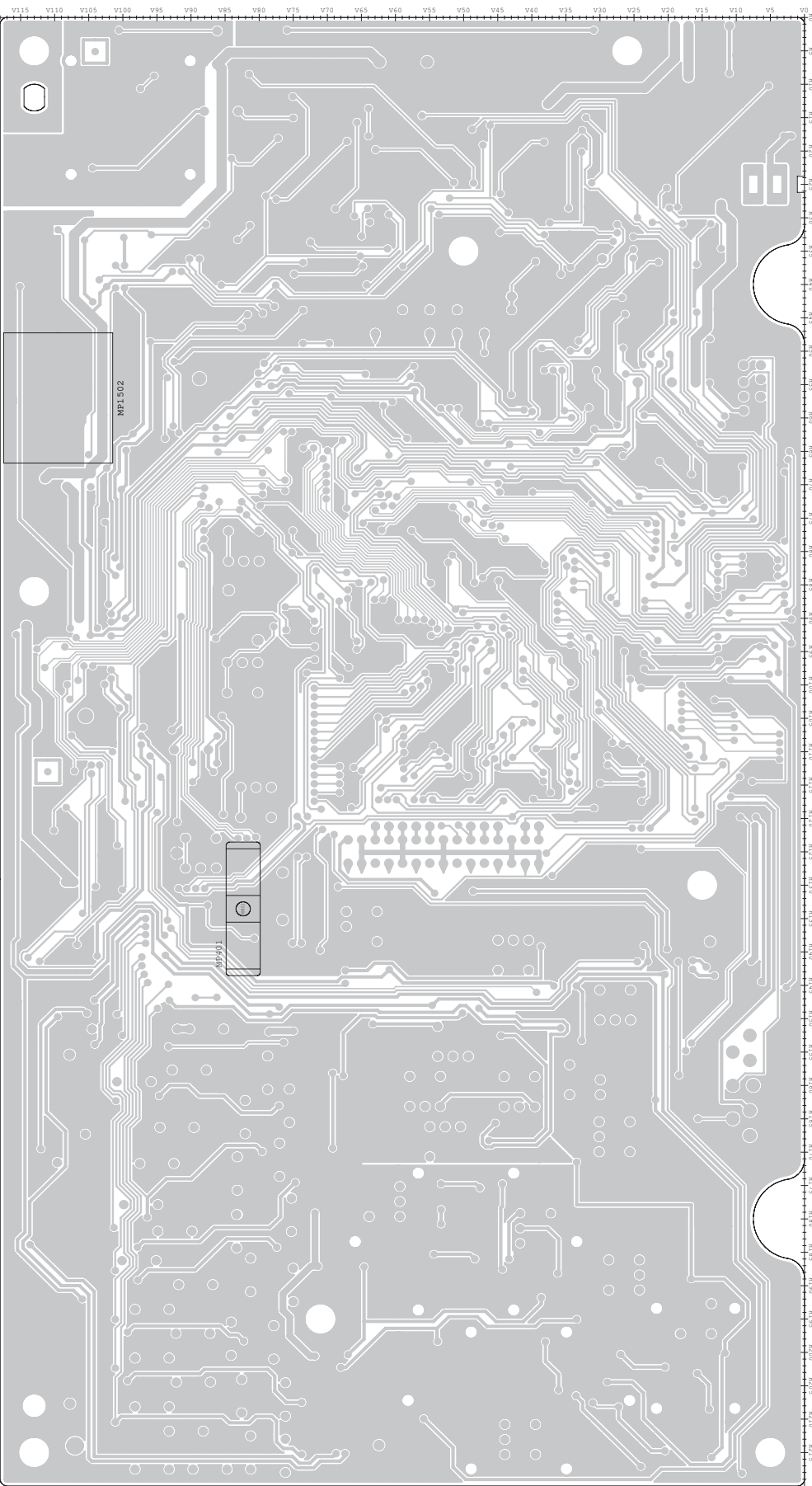
[MAIN UNIT]

REF NO.	ORDER NO.		DESCRIPTION	M.	H/V LOCATION
C1710	4030014300	S.CER	C1608 JB 1E 563K-T	T	19.8/53.3
C1711	4030014300	S.CER	C1608 JB 1E 563K-T	T	24.2/52.7
C1713	4510008540	S.ELE	EEE1CA100SR	T	16.7/58.5
C1714	4510008540	S.ELE	EEE1CA100SR	T	27/58.2
C1715	4030011600	S.CER	C1608 JB 1E 104K-T	T	27.6/63.3
C1716	4030011600	S.CER	C1608 JB 1E 104K-T	T	34/62.4
C1717	4030011600	S.CER	C1608 JB 1E 104K-T	T	31.3/68.8
C1801	4030011600	S.CER	C1608 JB 1E 104K-T	T	145.3/14.7
C1802	4030006880	S.CER	C1608 JB 1H 472K-T	T	158.2/14.6
C1803	4030011600	S.CER	C1608 JB 1E 104K-T	T	160.7/13.2
C1804	4030011600	S.CER	C1608 JB 1E 104K-T	T	145.3/16.4
C1805	4030011600	S.CER	C1608 JB 1E 104K-T	T	163.6/13.7
C1806	4030011600	S.CER	C1608 JB 1E 104K-T	T	160.2/17.9
C1807	4030011600	S.CER	C1608 JB 1E 104K-T	T	143.2/9.1
C1901	4030011600	S.CER	C1608 JB 1E 104K-T	T	67.1/106
C1902	4030011600	S.CER	C1608 JB 1E 104K-T	T	141/104.9
C1903	4030011600	S.CER	C1608 JB 1E 104K-T	T	126.6/104
C1904	4030011600	S.CER	C1608 JB 1E 104K-T	T	125.2/101.3
C1905	4030011600	S.CER	C1608 JB 1E 104K-T	T	123.8/103.1
C1906	4030011600	S.CER	C1608 JB 1E 104K-T	T	123.5/110.1
C1907	4030006880	S.CER	C1608 JB 1H 472K-T	T	139.2/104.9
C1908	4030011600	S.CER	C1608 JB 1E 104K-T	T	96.7/90.9
C1909	4030006880	S.CER	C1608 JB 1H 472K-T	T	108.9/108.9
C1910	4030006880	S.CER	C1608 JB 1H 472K-T	T	116.6/108.3
C1911	4030011600	S.CER	C1608 JB 1E 104K-T	T	95.6/110.7
C1912	4030006880	S.CER	C1608 JB 1H 472K-T	T	137.9/104.9
C1913	4030006880	S.CER	C1608 JB 1H 472K-T	T	106.2/108.5
C1914	4030011600	S.CER	C1608 JB 1E 104K-T	T	132.4/100
C1915	4030011600	S.CER	C1608 JB 1E 104K-T	T	107.8/110.7
C1916	4030011600	S.CER	C1608 JB 1E 104K-T	T	128.4/104.8
C1917	4030011600	S.CER	C1608 JB 1E 104K-T	T	94.3/110.7
C1918	4030011600	S.CER	C1608 JB 1E 104K-T	T	132.4/101.3
C1919	4030011600	S.CER	C1608 JB 1E 104K-T	T	106.5/110.7
C1920	4030011600	S.CER	C1608 JB 1E 104K-T	T	128.4/103.5
C2001	4510008600	S.ELE	EEE1CA47RNR	T	40.3/16.4
C2002	4510008600	S.ELE	EEE1CA47RNR	T	40.3/11.6
C2003	4030011600	S.CER	C1608 JB 1E 104K-T	T	32.6/21.1
C2004	4510008600	S.ELE	EEE1CA47RNR	T	40.3/21.2
C2005	4030006880	S.CER	C1608 JB 1H 472K-T	T	33.9/22.4
C2006	4030006880	S.CER	C1608 JB 1H 472K-T	T	34.8/23.7
C2007	4030011600	S.CER	C1608 JB 1E 104K-T	T	35.6/11.3
C2008	4030006880	S.CER	C1608 JB 1H 472K-T	T	36.7/23.1
C2009	4510004601	ELE	16 ME 1000 HC		
C3001	4030006880	S.CER	C1608 JB 1H 472K-T	T	86.2/74.1
C3002	4030008920	S.CER	C1608 JB 1H 473K-T	T	88.8/74.1
C3003	4030008920	S.CER	C1608 JB 1H 473K-T	T	91.4/74.1
C3004	4030008920	S.CER	C1608 JB 1H 473K-T	T	94/74.1
C3005	4030008920	S.CER	C1608 JB 1H 473K-T	T	95.3/74.1
C3007	4030007130	S.CER	C1608 CH 1H 101J-T	T	119.4/25.6
C3008	4030018620	S.CER	C1608 CH 1H 222J-T	T	52.6/51.3
C3009	4030011600	S.CER	C1608 JB 1E 104K-T	T	52.6/48.5
C3101	4510008520	S.ELE	EEE1CA470SP	T	136.5/4.9
C3102	4030011600	S.CER	C1608 JB 1E 104K-T	T	131.3/1.6
C3103	4030011600	S.CER	C1608 JB 1E 104K-T	T	128.4/1.6
C3104	4510008520	S.ELE	EEE1CA470SP	T	124.3/4.6
C3201	4030018640	S.CER	C2012 CH 1H 103J-T	T	100.6/28.1
C3202	4030006880	S.CER	C1608 JB 1H 472K-T	T	62.9/37.8
C3302	4030011600	S.CER	C1608 JB 1E 104K-T	T	95.6/66.8
C3303	4030011600	S.CER	C1608 JB 1E 104K-T	T	58.5/55.3
C3304	4030007020	S.CER	C1608 CH 1H 120J-T	T	83/51.4
C3305	4030007020	S.CER	C1608 CH 1H 120J-T	T	83/48.8
C3307	4030006880	S.CER	C1608 JB 1H 472K-T	T	99.2/70.1
C3308	4030011600	S.CER	C1608 JB 1E 104K-T	T	89/64.9
C3309	4030006880	S.CER	C1608 JB 1H 472K-T	T	89/66.3
C3310	4030011600	S.CER	C1608 JB 1E 104K-T	T	84.7/50.6
C3311	4030011600	S.CER	C1608 JB 1E 104K-T	T	105.6/48.2
C3315	4030011600	S.CER	C1608 JB 1E 104K-T	T	65.7/58.4
C3316	4030011600	S.CER	C1608 JB 1E 104K-T	T	67/58.4
C3317	4030007070	S.CER	C1608 CH 1H 330J-T	T	82.2/55.1
C3318	4030007070	S.CER	C1608 CH 1H 330J-T	T	83.5/55.1
C3319	4030006880	S.CER	C1608 JB 1H 472K-T	T	55.9/59.1
C3601	4030011600	S.CER	C1608 JB 1E 104K-T	T	97.1/21.3
C3602	4030011600	S.CER	C1608 JB 1E 104K-T	T	64.9/40.2
C3603	4030011600	S.CER	C1608 JB 1E 104K-T	T	56/39.6
C3606	4030011600	S.CER	C1608 JB 1E 104K-T	T	58.9/43.8
C3607	4030011600	S.CER	C1608 JB 1E 104K-T	T	60.8/77.3
C3608	4030011600	S.CER	C1608 JB 1E 104K-T	T	103/37.9
C3610	4510008520	S.ELE	EEE1CA470SP	T	57.5/72.6
C3802	4030011600	S.CER	C1608 JB 1E 104K-T	T	112.5/39.4
C3803	4510005461	ELE	FYD0H 474ZF		
C3804	4030008680	S.CER	C2012 JF 1C 105Z-T		
C3901	4030011600	S.CER	C1608 JB 1E 104K-T	T	56.1/63
C3902	4030007130	S.CER	C1608 CH 1H 101J-T	T	118/42.8
			[OTH], [EXP] only	T	65.5/14
J1	6510007020	CNR	TMP-J01X-V6		
J51	6510007020	CNR	TMP-J01X-V6		
J301	6510007020	CNR	TMP-J01X-V6		
J601	6510007020	CNR	TMP-J01X-V6		
J1101	6510021651	CNR	IMSA-9180B-30B-PT1		
J1102	6510022811	CNR	IMSA-9180B-22B-PT1		
J1451	6450000103	CNR	HSJ1857-016220		
J1801	6510023841	CNR	TC55107-1820177		
J1901	6510021721	S.CNR	30FLT-SM2-TB (LF) (SN)	T	133.5/111
J2051	6510023051	CNR	TC57286-0124177		
J3001	6510022621	S.CNR	10FMN-BMTTTR-A-TBT (LF) (SN)	T	116.9/19.3
J3601	6510023091	S.CNR	20FLT-SM2-TB (LF) (SN)	T	108.5/6.4
J3602	6510021721	S.CNR	30FLT-SM2-TB (LF) (SN)	T	85.2/6.5
EP1901	6910012350	S.BEA	MMZ1608Y 102BT	T	96.3/112.6
EP1902	6910012350	S.BEA	MMZ1608Y 102BT	T	132/103.2
EP1903	6910012350	S.BEA	MMZ1608Y 102BT	T	107.3/112.6
EP1904	6910012350	S.BEA	MMZ1608Y 102BT	T	131.9/107.7

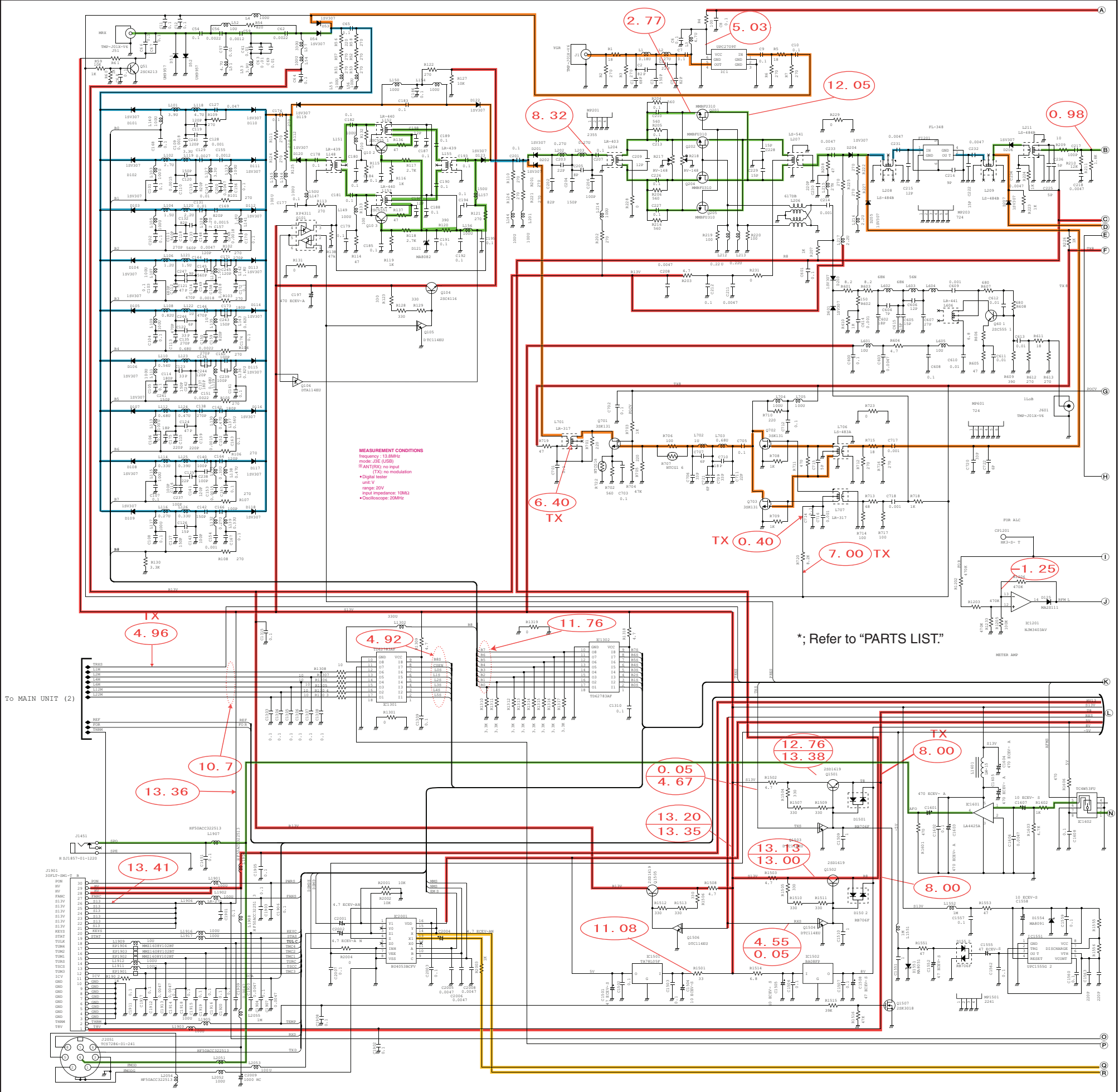


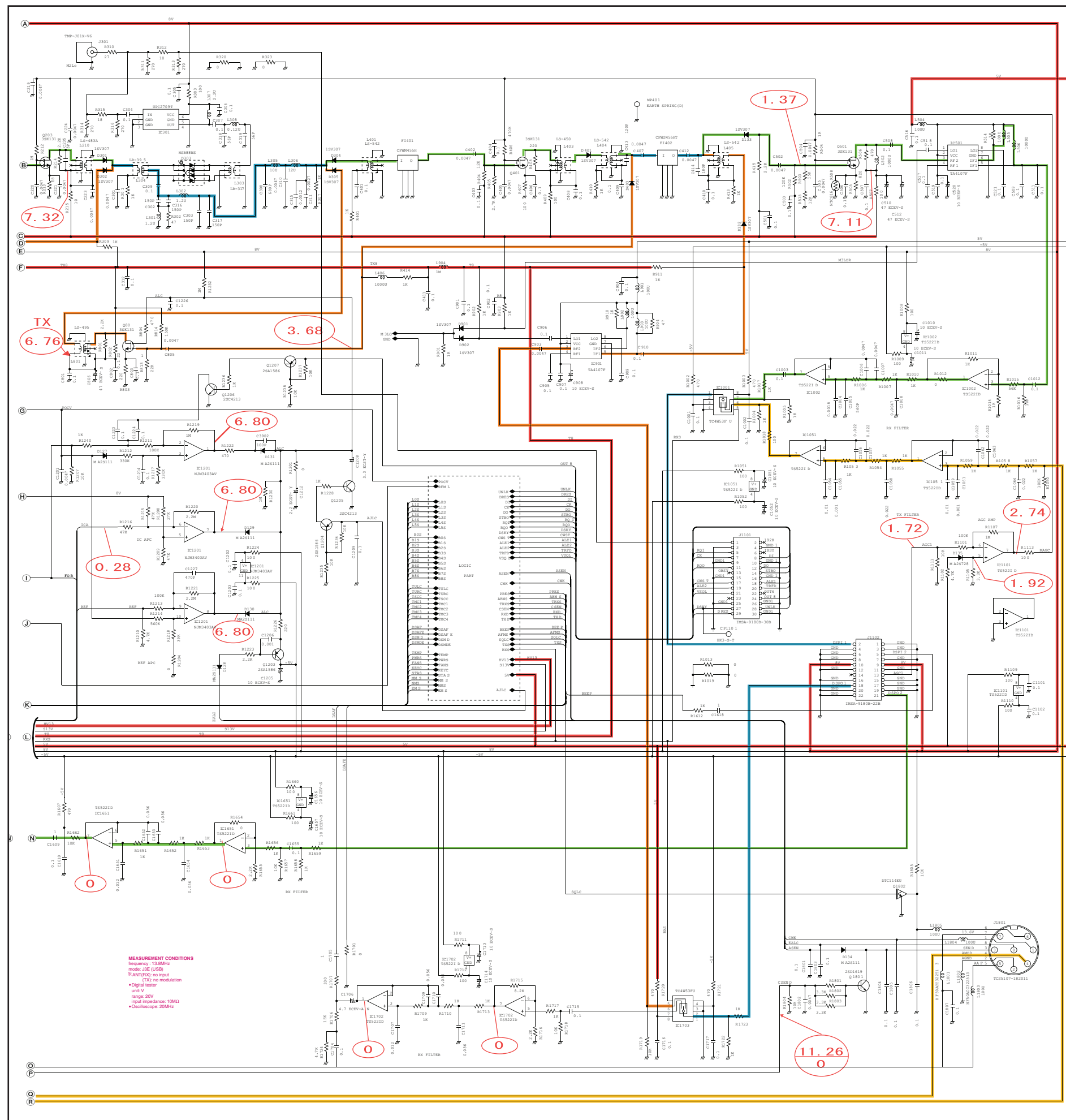
The combination of this side and the bottom side shows the board layout in the same configuration as the actual P.C.Board.

• MAIN UNIT
(BOTTOM VIEW)



VOLTAGE DIAGRAM





*, Refer to "PARTS LIST."



SERVICE MANUAL

HF TRANSCEIVER

IC-F7000

S-14012HZ-C1-①
Jul. 2007

Icom Inc.

INTRODUCTION

This service manual describes the latest service information for the **IC-F7000** TRANSCEIVER at the time of publication.

MODEL	VERSION
IC-F7000	AUS
	OTH
	EXP

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

CAUTION

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

DO NOT expose the transceiver to rain, snow or any liquids.

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

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



ORDERING PARTS

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

1. 10-digit Icom parts numbers
2. Component name
3. Equipment model name and unit name
4. Quantity required

<ORDER EXAMPLE>

1110003491	S.IC	TA31136FNG	IC-F7000	MAIN UNIT	5 pieces
8820001210	Screw	2438 screw	IC-F7000	Top cover	10 pieces

Addresses are provided on the inside back cover for your convenience.

REPAIR NOTES

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

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	PLL UNIT (2) and (3)	12 - 6
	DSP BOARD.	12 - 7

• IC-F7000

■ General

- Frequency coverage : (Unit: MHz)

Receive	0.5–29.9999	
Transmit	1.6–5.4999	5.73–5.9999
	6.7–8.0999	10.0–11.1999
	13.4–14.9999	18.0–18.9999
	20.0–20.9999	23.0–27.9999
- Type of emission : J3E (USB/LSB), J2B (AFSK),
(depends on version) F1B (FSK), A1A (CW),
A3E (AM)
- No. of memory Ch. : 500 channels (max.)
- Usable temp. range : –10°C to +60°C
- Frequency stability : ±50 Hz
- Power supply : 13.8 V DC (negative ground)
(10.8–15.6 V DC)
- Current drain :

Transmit (typical)	at max. power	23 A [AUS] 28 A [OTH]
Receive	at max. audio	3.0 A
- Dimensions (projections not incl.):

Main unit	240(W)×72(H)×239(D) mm
Controller (RC-26)	150(W)×50(H)×51(D) mm
Speaker (SP-25)	106(W)×62(H)×46(D) mm
Microphone (HM-155)	65(W)×105(H)×35(D) mm
- Weight (approx.) :

Main unit	4.6 kg
Controller (RC-26)	220 g without cable
Speaker (SP-25)	370 g
Microphone (HM-155)	234 g
- Accessory connector : 8-pin DIN connector
- Controller connector : 8-pin MINI DIN connector
- REMOTE connector : D-sub 9-pin
(RS-232C/NMEA)

■ Transceiver

- Output power :

1.6–27.9999 MHz	100/50/10 W p-p [AUS]
1.6–3.9999 MHz	125/50/10 W p-p [OTH]
4.0–27.9999 MHz	100/50/10 W p-p [OTH]
- Spurious emission : Less than –43 dB
below peak output power
(Less than –40 dB for 3.5–
3.9999 MHz range [OTH])
- Carrier suppression : More than 40 dB
below peak output power
- Unwanted sideband : More than 50 dB
suppression below peak output power
- Mic. connector : 8-pin modular jack (2.4 kΩ)

■ Receiver

- Sensitivity:

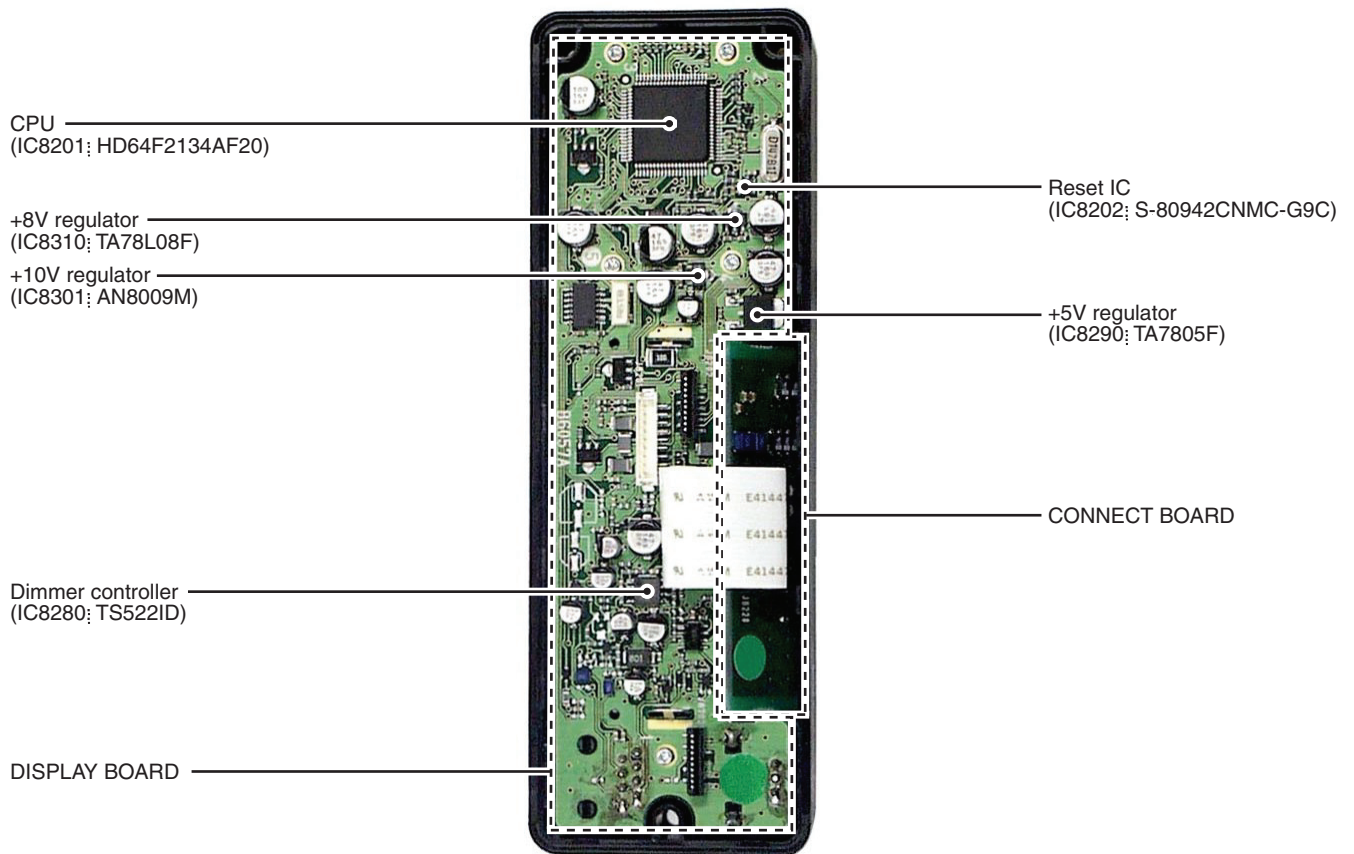
J3E, A1A	
(0.5–1.5999 MHz)	28 dBμV emf (20 dB SINAD) 14 dBμV (10 dB S/N)
(1.8–29.9999 MHz)	0 dBμV emf (20 dB SINAD) –14 dBμV (10 dB S/N)
A3E	
(0.5–1.5999 MHz)	46 dBμV emf (20 dB SINAD) 32 dBμV (10 dB S/N)
- Spurious response rejection ratio:
(1.6–29.9999 MHz) More than 70 dB
- AF output power: (at 13.8 V DC)

Main unit	More than 4.0 W at 10% distortion with a 4 Ω load
Controller (RC-26)	More than 2.0 W at 10% distortion with a 4 Ω load
- CLARITY variable range: ±150 Hz
- SP connectors:

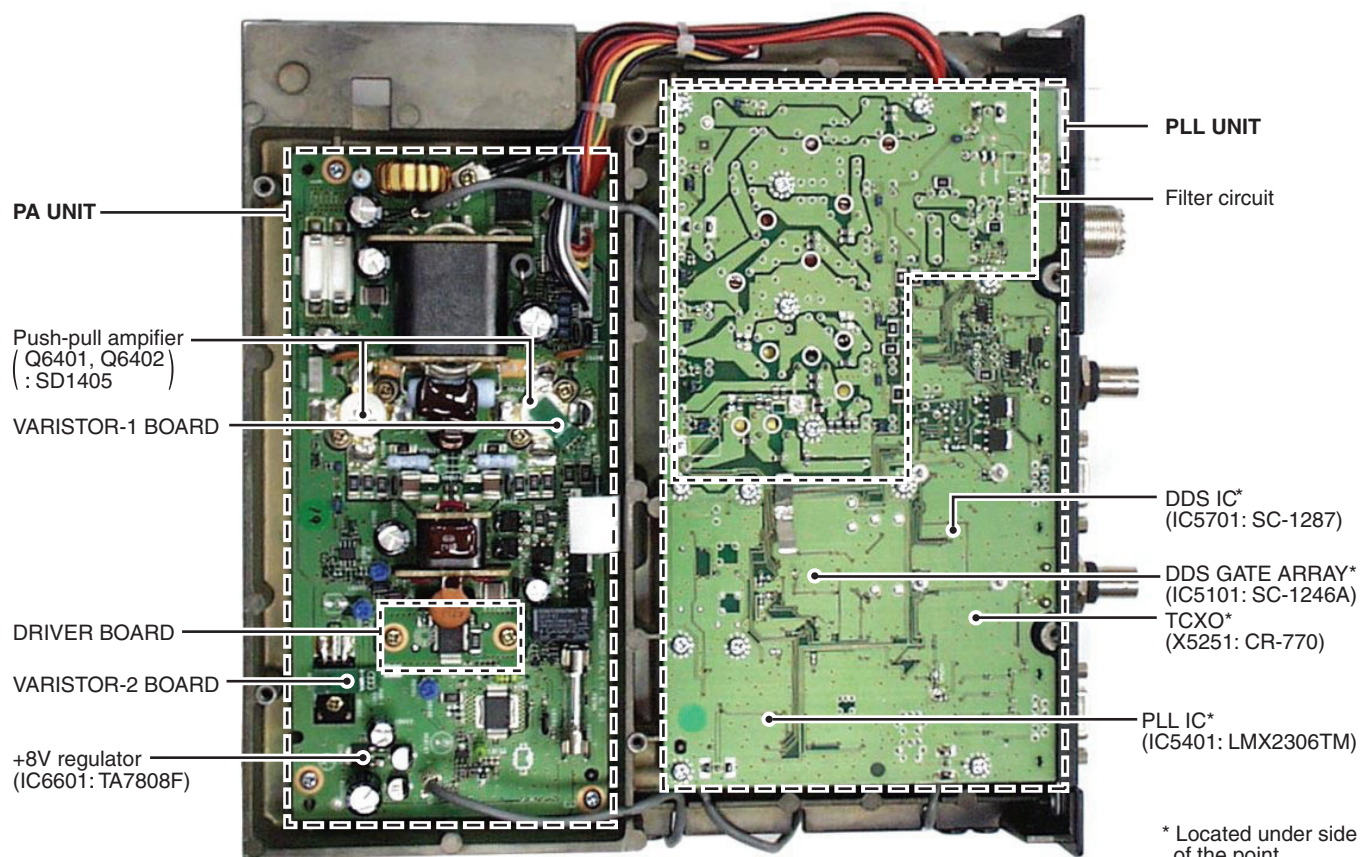
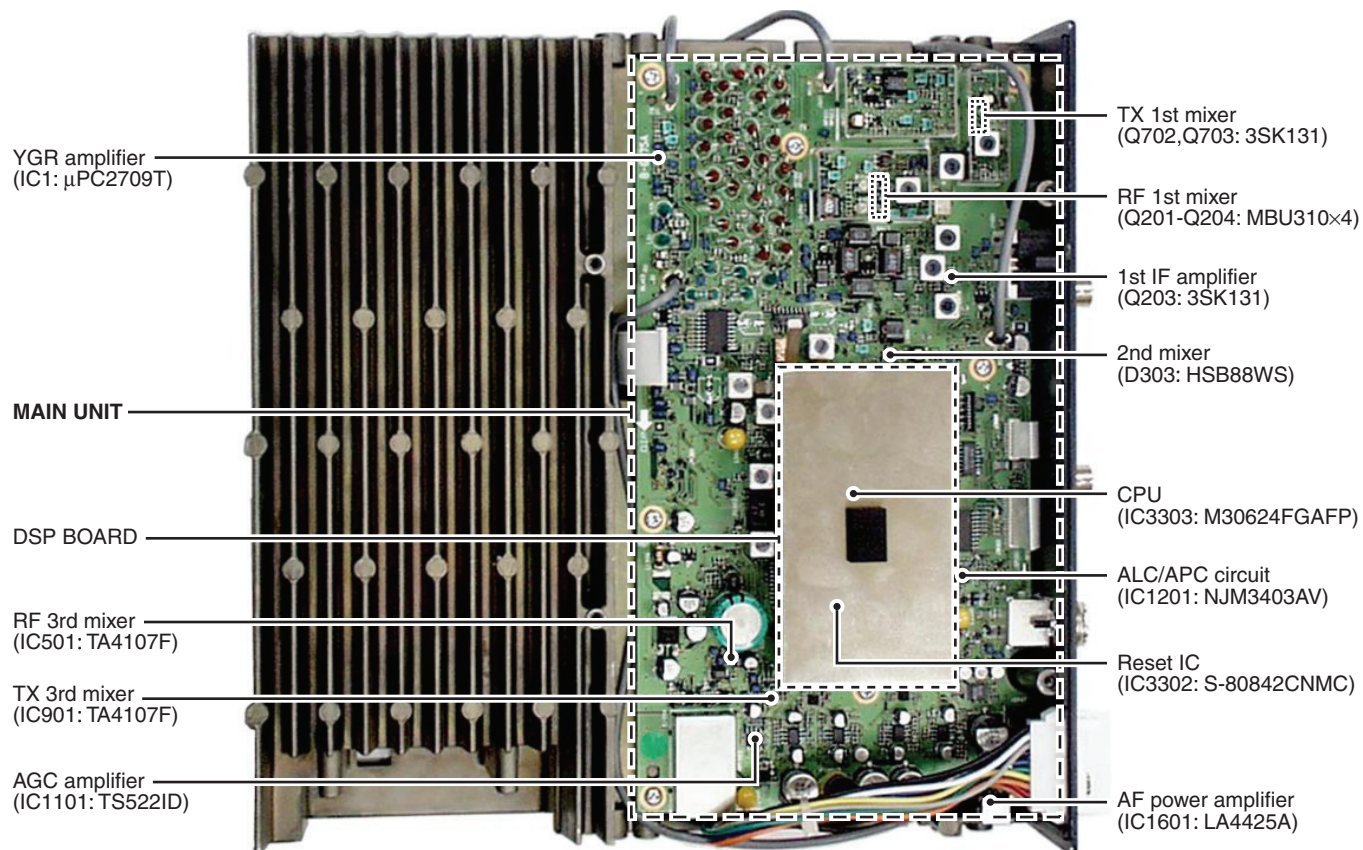
Main unit	2-conductor 3.5 (d) mm (1/8")/4 Ω
Controller (RC-26)	2-conductor 3.5 (d) mm (1/8")/4 Ω

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

• RC-26



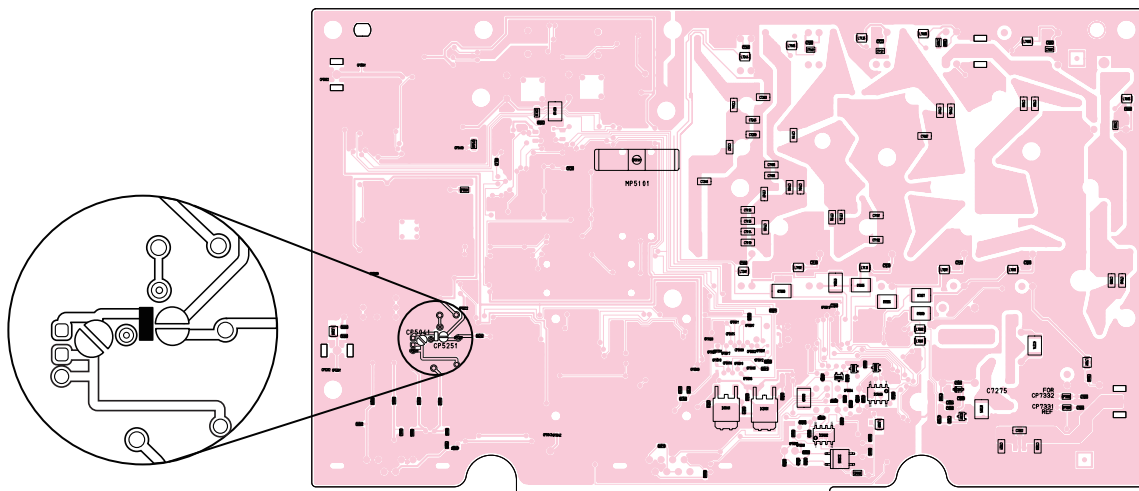
• IC-F7000



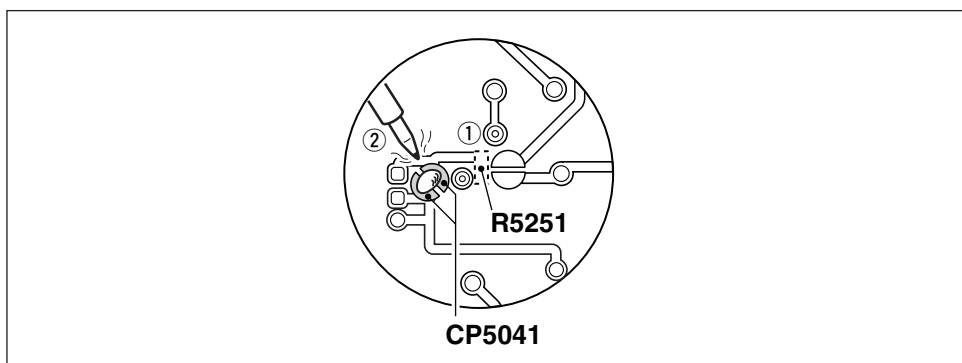
SECTION 3 EXT. REFERENCE SIGNAL SOURCE

■ IN CASE OF USING EXTERNAL REFERENCE SIGNAL

NEED TO MODIFY the PLL unit (bottom side) as below when using external reference.



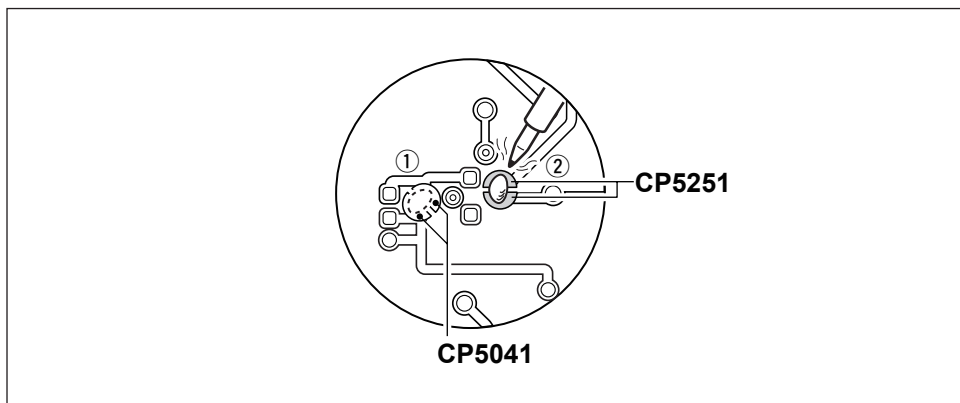
- ① Remove R5251 from the PLL unit.
- ② Solder disconnect points (CP5041) on the PLL unit.



■ IN CASE OF USING INTERNAL REFERENCE SIGNAL

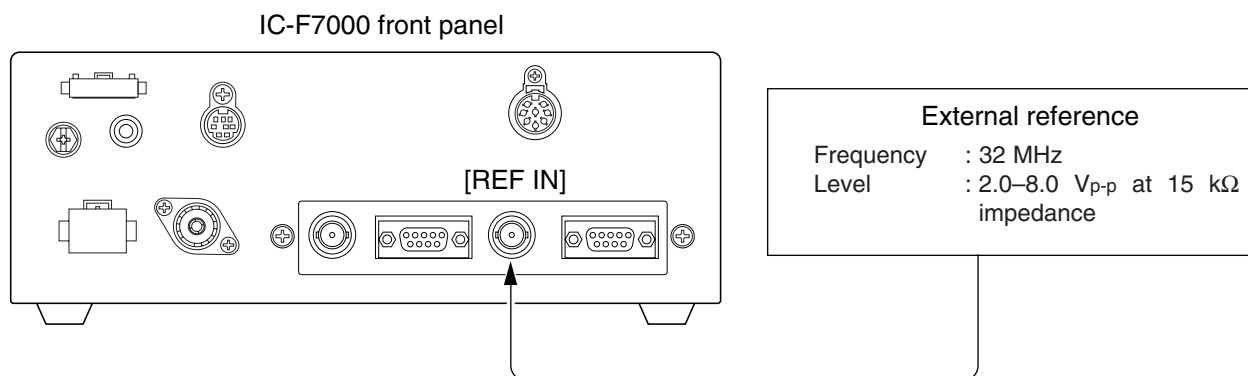
NEED TO MODIFY the PLL unit (bottom side) as below. Otherwise the transceiver does not work properly.

- ① Unsolder connect points (CP5041) on the PLL unit.
- ② Solder R5251 to the original position, or solder disconnect points (CP5251) on the PLL unit.



■ CONNECTION

Connect the external reference oscillator to the IC-F7000 as below.



4-1 RECEIVER CIRCUITS

4-1-1 RF FILTER CIRCUIT (PLL AND MAIN UNITS)

Received signals from the antenna connector are applied to the transmit/receive switching and protection relay (PLL unit; RL7301) which is controlled by the CPU via the "TRXS" line. The signals pass through the 30 MHz cut-off low-pass filter (PLL unit; L7321, C7321–C7323, C7325), and then applied to the MAIN unit via the J7321.

The signals pass through the 1.6 MHz cut off high-pass filter (MAIN unit; L51–L54, L57, C54, C56, C57, C59, C61–C64, C69) and transmit/receive switch (D54), and are then applied to one of the bandpass filters (including one low-pass filter for below 2.0 MHz). These filters are selected by the filter control signals (B0–B8) as described in the table below.

The filtered signals are applied to the pre-amplifier (MAIN unit; Q102, Q103), and then passed through the 33 MHz cut-off low-pass filter (L202, L203, C202–C206). The

Frequency (MHz)	LPF ctrl signal	BPF ctrl signal
0.5–1.9999	L1M	B0
2.0–2.4999		B1
2.5–2.9999		
3.0–3.4999	L2M	B2
3.5–4.9999	L4M	
5.0–5.4999		B3
5.5–6.9999	L6M	
7.0–8.9999		
9.0–9.9999	L12M	
10.0–13.9999		B5
14.0–14.9999		B6
15.0–17.9999	L22M	
18.0–23.9999		B7
24.0–29.9999		B8

filtered signals pass through the low-pass filter (MAIN unit; L202, L203, C202–C206), and are then applied to the 1st mixer circuit (Q201, Q202, Q204, Q205).

4-1-2 1ST MIXER AND IF CIRCUITS (MAIN UNIT)

The 1st mixer circuit converts the received signals into a fixed frequency, 64.445 kHz 1st IF signal using PLL output frequency. By changing the PLL frequency, only the desired frequency is picked up at the 64.445 kHz bandpass filter (FI201) at the next stage.

The IF amplifier (Q203) and resonator circuits are designed between the filter pair. The PLL output signal (1LO) enters the MAIN unit via the J601 and is amplified at the 1st LO amplifier (Q601). The amplified signal is passed through the 100 MHz cut-off low-pass filter (L602–L604, C602, C604–C607, C609) to suppress harmonic components, and then applied to the 1st mixer circuit (Q201, Q202, Q204, Q205).

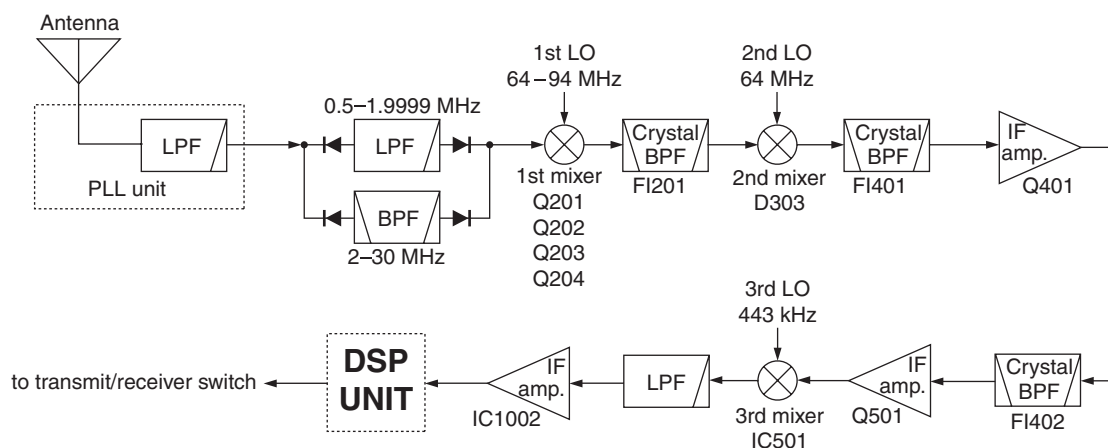
4-1-3 2ND MIXER AND IF CIRCUITS (MAIN UNIT)

The 1st IF signal from the bandpass filter (FI201) is converted again into a 455 kHz 2nd IF signal at the 2nd mixer circuit (D303, L303, L304). The 2nd LO signal (2LO) from the PLL unit enters the MAIN unit via the J301 to be applied to the 2nd mixer circuit.

4-1-4 3RD MIXER AND IF CIRCUITS (MAIN UNIT)

The 2nd IF signal passes through the low-pass filter (L305, C308, C310, C311, C315), and is then applied to the IF amplifier (Q401) via the ceramic bandpass filter (FI401). The amplified signal passes through the other ceramic bandpass filter (FI402), and then applied to the 3rd mixer circuit via the IF amplifier (Q501). The 2nd IF signal is converted into a 12 kHz 3rd IF signal at the 3rd mixer circuit (IC501). The 3rd LO signal (3LO) from the PLL unit enters the MAIN unit via the J3601 to be applied to the 3rd mixer circuit.

• RECEIVER CONSTRUCTION



4-1-5 DSP RECEIVER CIRCUIT (MAIN AND DSP UNITS)

The DSP (Digital Signal Processor) circuit enables digital IF filter, digital noise reduction, digital PSN (Pulse Shift Network), phase demodulation, digital automatic notch, and etc.

The 3rd IF signal is applied to the IF amplifier (MAIN unit; IC1002, pin 5) after being passed through the low-pass filter (MAIN unit; IC1002, pins 3, 1). The amplified 12 kHz 3rd IF signal is amplified at the differential amplifiers (IC9651a/b), and is then applied to the A/D converter section in the CODEC IC (IC9501) on the DSP board. At the same time, the converted signal is level-shifted 5 V to 3.3 V in the IC (IC9501).

The level-shifted signal is applied to the DSP IC (IC9301) for the digital IF filter, demodulator, automatic notch and noise reduction, etc.

The output signal from the DSP IC is applied to the D/A converter section in the CODEC IC (IC9501) to convert into the analog audio signals. Also the signals are level-shifted 3.3 V to 5 V at the level converter section in the IC (IC9501).

The level-shifted audio signals are passed through the active filter (IC9701a), and then applied to the MAIN unit via J9901 (pin 22) as the "DSP02" signal.

4-1-6 AGC CIRCUIT (DSP AND MAIN UNITS)

The AGC (Automatic Gain Control) circuit reduces IF amplifier gain and attenuates IF signal to keep the audio output at a constant level.

The receiver gain is determined by the voltage on the AGC1 line from the DSP unit. The D/A converter for the AGC (IC9102) supplies control voltage to the AGC1 line and sets the receiver gain with the [RF/SQL] control.

The 3rd IF signal from the CODEC IC (IC9501) is detected at the AGC detector section in the DSP IC (IC9301). The output signal from the DSP IC is level-shifted at the level converter (IC9101) and applied to the D/A converter (IC9102). The AGC voltage is amplified at the buffer amplifier section in the IC9102 and applied to the MAIN unit to control the AGC1 line.

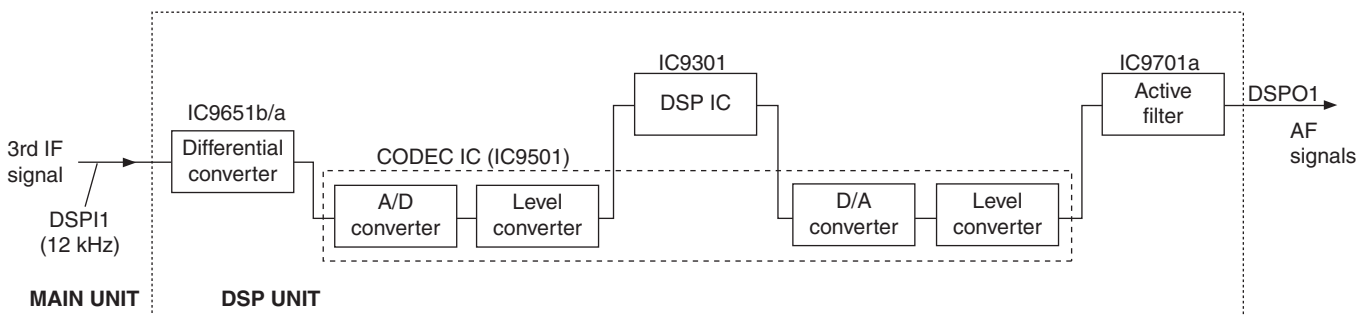
When receiving strong signals, the detected voltage increases and the AGC1 voltage decreases. As the AGC1 voltage is used for the bias voltage of the IF amplifiers (MAIN unit; Q203, Q401, Q501), IF amplifier gain is decreased.

4-1-7 AF AMPLIFIER CIRCUIT (DSP AND MAIN UNITS)

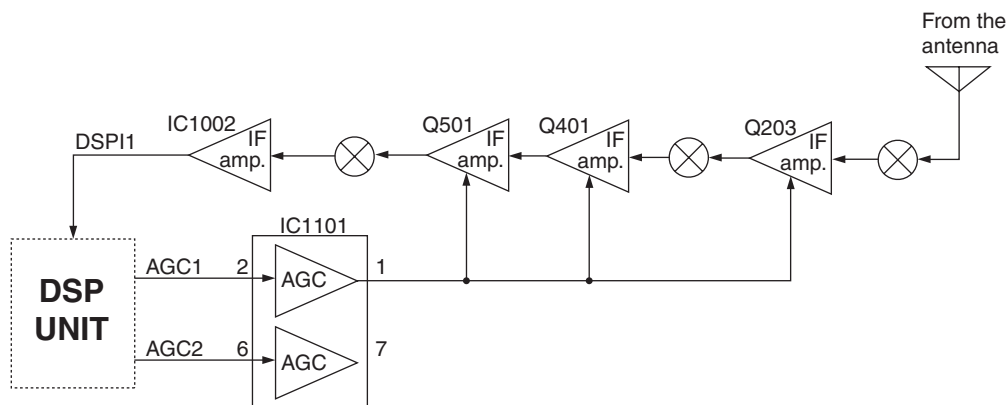
The AF amplifier amplifies the audio signals to the suitable driving level for the speaker.

The AF signals from the DSP unit are applied to the AF amplifier (MAIN unit; IC1651, pin 3) via the "DSPO2" line. The signals are amplified at the other AF amplifier (IC1651, pin 5) after being passed through the low-pass filter. The signals are applied to the AF mute switch (IC1602, pin 2), and then amplified at the AF power amplifier (IC1601, pin 1). The amplified signals are applied to the speaker (SP-26) after being passed through the speaker jack (J1451) via the "AFO" signal.

• DSP CIRCUIT



• AGC CIRCUIT



4-2-5 RF CIRCUIT (MAIN, PA, PLL UNITS AND DRIVER BOARD)

The RF circuit amplifies operating (transmitting) frequency to obtain 100 W (125 W: 1.6–4 MHz for [OTH]) of RF output.

The RF signals from the 1st mixer circuit pass through the low-pass filter (L702, L703, C706, C707, C709–C711, C721), and are then applied to the RF amplifier (Q701).

The amplified signals pass through one of the low-pass filter or bandpass filters (Refer to page 4-1 bandpass filters used), and are then applied to the YGR amplifier (IC1, pin 1) after being passed through the attenuator (R5–R7). The amplified signals pass through the low-pass filter (L1–L3, C1–C7) and attenuator (R1–R3), and are then applied to the PA unit via J1.

The signals that applied from the MAIN unit are amplified at 2 amplifiers (PA unit; Q6101 and Q6801). A part of output signals from 2 amplifiers are applied to these amplifiers to improve the frequency characteristic by feedback. The amplified signals are applied to the drive amplifier (DRIVER board; Q6851) via the J6301 as “DRV1” signal. The signals from the DRIVER board pass through the impedance converter (PA unit; L6301), and then applied to push-pull amplifiers (PA unit; Q6401, Q6402) to obtain a stable 100 W of RF output power. A part of the RF output power returns to amplifiers to obtain a stable gain between 1.6 MHz and 27.5 MHz bands by using feedback transformer (L6404). The output RF signals are applied to the filter unit via the J6401 as “FLIN” signal.

The amplified signals are applied to the one of the 6 low-pass filters which are composed of chebychev type.

• 0.5–2.49999 MHz signals

The signals are applied to the relay (FILTER unit; RL7031). The signals pass through the low-pass filter (FILTER unit; L7036, L7037, C7033–C7036, C7038–C7040), and are then applied to the RL7032 which is controlled by the band control IC (MAIN unit; IC3602) as the “L1M” signal via the buffer amplifier (MAIN unit; IC1301, pin 13).

• 2.5–3.49999 MHz signals

The signals are applied to the relay (FILTER unit; RL7061). The signals pass through the low-pass filter (FILTER unit; L7067, L7068, C7072, C7073, C7077–C7083), and are then applied to the RL7062 which is controlled by the band control IC (MAIN unit; IC3602) as the “L2M” signal via the buffer amplifier (MAIN unit; IC1301, pin 14).

• 3.5–5.49999 MHz signals

The signal is applied to the relay (FILTER unit; RL7091). The signals pass through the low-pass filter (FILTER unit; L7096, L7097, C7094–C7099, C7105–C7107), and are then applied to the RL7092 which is controlled by the band control IC (MAIN unit; IC3602) as the “L4M” signal via the buffer amplifier (MAIN unit; IC1301, pin 15).

• 5.5–8.9999 MHz signals

The signals are applied to the relay (FILTER unit; RL7121). The signals pass through the low-pass filter (FILTER unit; L7127, L7128, C7123, C7126–C7131), and are then applied to the RL7122 which is controlled by the band control IC (MAIN unit; IC3602) as the “L6M” signal via the buffer amplifier (MAIN unit; IC1301, pin 16).

• 9–14.9999 MHz signals

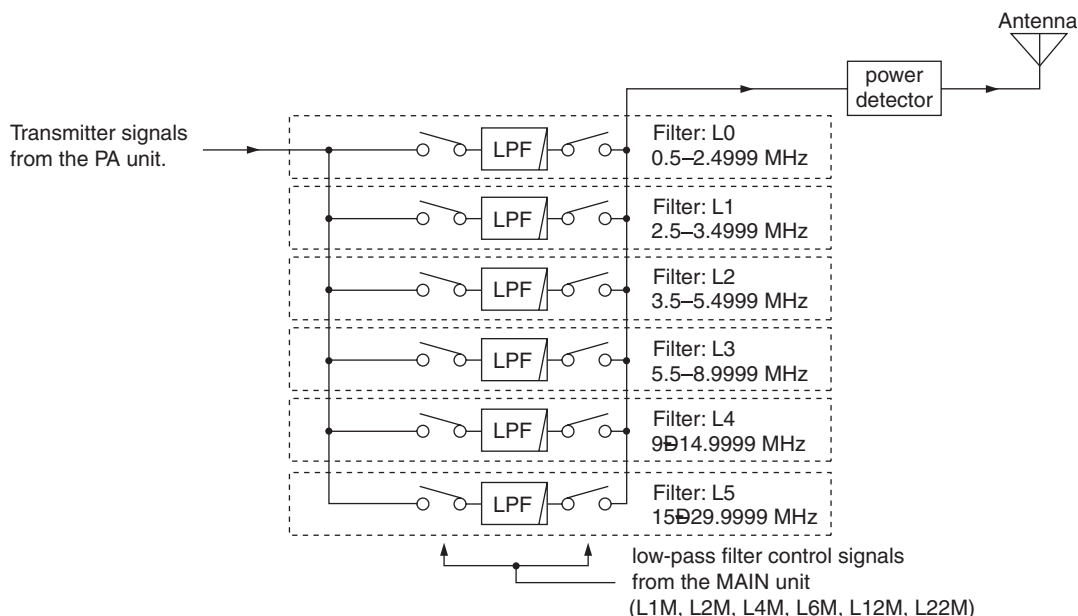
The signals are applied to the relay (FILTER unit; RL7181). The signals pass through the low-pass filter (FILTER unit; L7183, L7184, C7183–C7188, C7193–C7196), and are then applied to the RL7182 which is controlled by the band control IC (MAIN unit; IC3602) as the “L12M” signal via the buffer amplifier (MAIN unit; IC1301, pin 17).

• 15–29.9999 MHz signals

The signals are applied to the relay (FILTER unit; RL7241). The signals pass through the low-pass filter (FILTER unit; L7245, L7246, C7243–C7245, C7247, C7248, C7253), and are then applied to the RL7242 which is controlled by the band control IC (MAIN unit; IC3602) as the “L22M” signal via the buffer amplifier (MAIN unit; IC1301, pin 18).

The filtered signal is applied to the antenna connector after being passed through the RL7301 and J7211.

• RF FILTER CIRCUIT



4-2-6 ALC CIRCUIT (PLL AND MAIN UNITS)

The ALC (Automatic Level Control) circuit controls the gain of IF amplifiers in order for the transceiver to output a constant RF power even when the supplied voltage shifts, etc.

The RF power level is detected at the power detector circuit (PLL unit; D7271) to be converted into DC voltage and applied to the MAIN unit as the "FOR" signal.

The "FOR" signal is applied to the comparator (IC1201, pin 2). The "POCV" signal is also applied to the other input (pin 3) for reference. The compared signal is output from pin 1 and applied to the IF amplifier in the MAIN (Q801) unit to control amplifying gain.

When the "FOR" signal exceeds the "POCV" voltage, ALC bias voltage from the comparator controls the IF amplifiers. This adjusts the output power to a specified level until the "FOR" and "POCV" voltages are equalized.

4-2-7 APC CIRCUIT (PLL AND MAIN UNITS)

The APC (Automatic Power Control) circuit protects the power amplifiers on the PA unit from high SWR and excessive current.

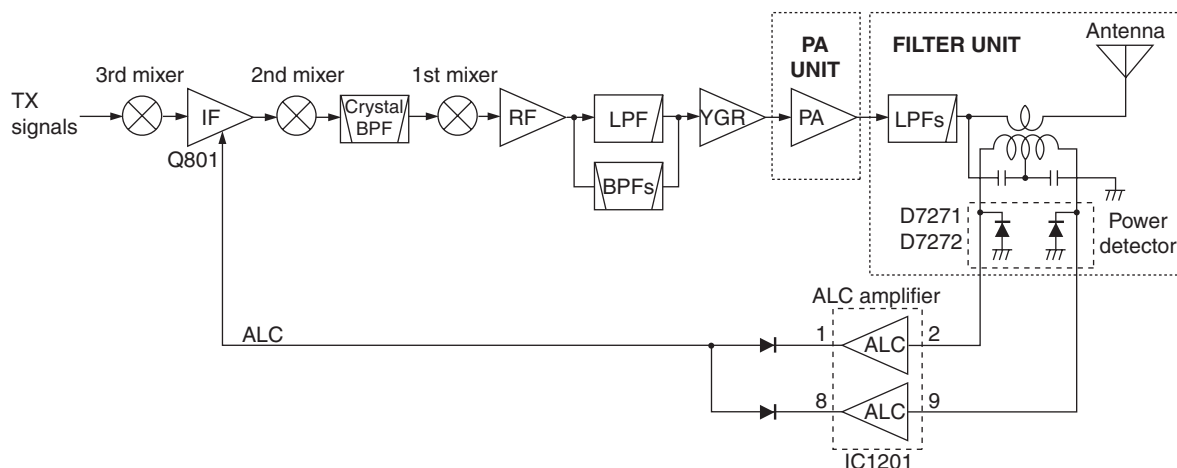
• SWR APC CIRCUIT (PLL AND MAIN UNITS)

The reflected wave signal appears and increases on the antenna connector. When the antenna is mismatched, D7272 of the power detector circuit (D7271, D7272, L7272) in the PLL unit detects the signal and applies it to the ALC amplifier (IC1201, pin 9) in the MAIN unit as "REF" signal. The output signal decreases the bias voltage of the RF APC amplifier to reduce the output power.

• CURRENT APC CIRCUIT (PA AND MAIN UNITS)

The power transistor current is detected from the different voltage between both terminals of a 0.012 Ohms resistor (R6651) on the PA unit. The detected voltage is applied to the differential amplifier (IC6501). When the current of the final transistors is more than 30 A, the detected voltage is applied to the APC amplifier controller (IC1201) in the MAIN unit to reduce the gate-2 voltage of the IF amplifier (Q801) and thus reduce the output power.

• ALC CIRCUIT



4-2-8 RF METER CIRCUIT (MAIN UNIT)

The output of ALC amplifier (IC1201, pin 14) is applied to the CPU (IC3303, pin 97) as "RFML" signal to indicate the transmit power level on the display.

For antenna current meter indication, the "ANTM" signal from the optional AT-130E is applied to the meter amplifier (IC1201, pin 12) via the J6701 in the PA unit.

4-3 PLL CIRCUITS

4-3-1 GENERAL

The PLL circuits generate a reference frequency (32.000 MHz); 1st LO frequencies (64.485–94.455 MHz); 2nd LO frequency (64 MHz), 3rd LO frequency (422.500 kHz).

The 1st LO PLL adopts a mixer-less dual loop PLL system. The BFO uses a DDS and a 2nd LO as a fixed frequency double that the crystal oscillator.

4-3-2 1ST LO PLL (PLL UNIT)

The 1st LO PLL contains a main and reference loop as a dual loop system.

The reference loop generates an approximate 10.5 MHz frequency using a DDS circuit, and the main loop generates a 64.485 to 94.455 MHz frequency using the reference loop frequency.

(1) REFERENCE LOOP PLL

The oscillated signal at the reference VCO (Q5301, D5301) is amplified at the amplifiers (Q5302, Q5351) and is then applied to the DDS IC (IC5101, pin 46). The signal is then divided and detected on phase with the DDS generated frequency.

The detected signal output from the DDS IC (pin 56) is converted into DC voltage (lock voltage) at the loop filter (R5136, R5146, C5112) and then fed back to the reference VCO circuit (Q5301, D5301).

(2) MAIN LOOP PLL

The oscillated signal at one of the main loop VCOs (Q5521, D5521, L5523) is amplified at the buffer amplifiers (Q5601, Q5604) and is then applied to the PLL IC (IC5401, pin 6). The signal is then divided and detected on phase with the reference loop output frequency.

The detected signal output from the PLL IC (pin 2) is converted into a DC voltage (lock voltage) at the loop filter and then fed back to one of the VCO circuits (Q5521, D5521, L5523).

The oscillated signal from the buffer amplifier (Q5601) is also applied to the MAIN unit via the "M1LO" line as a 1st LO signal after being amplified at LO (Q5602) and buffer (Q5603) amplifiers or passed through the bandpass filter (L5602–L5604, C5610–C5616).

4-3-3 2ND LO AND REFERENCE OSCILLATOR CIRCUITS (PLL UNIT)

The reference oscillator (X5251) generates a 32.0 MHz frequency for the DDS circuits as a system clock and for the LO output. The oscillated signal is doubled at the doubler circuit (Q5202) and the 64.0 MHz frequency is picked up at the double tuned filter (L5203, L5204). The 64.0 MHz signal is applied to the RF circuit via the "M2LO" line as a 2nd LO signal.

4-3-3 3RD LO CIRCUIT (PLL UNIT)

The DDS IC (IC5701) generates a 10-bit digital signal using the 32 MHz system clock. The digital signal is converted into an analog wave signal at the D/A converter (R5701–R5720). The converted analog wave is passed through the low-pass filter (L5781–L5783, C5781–C5785) and is then applied to the MAIN unit as the 3rd LO signal (422.500 kHz) via the attenuator (R5781–R5783).

4-4 FRONT UNIT (RC-26)

4-4-1 LCD CIRCUIT (DISPLAY AND CONNECT BOARDS)

The LCD (CONNECT board; DS8920) is controlled by the LCD driver (CONNECT board; IC8940) via the drive signals (CL1, RES, CS, RS, WR, RD, DB0–DB7) from the display board. The LCD's back light employs 5 LEDs (DS8300–DS8304). The LEDs are controlled by dimmer (Q8300, Q8303) and dimmer controller (IC8280) circuits.

4-4-2 MICROPHONE CIRCUIT (DISPLAY BOARD)

The AF signals from the microphone are amplified at the AF amplifier (IC8280) via the "MIC" signal. The signals are applied to the IC-F7000's main unit through the J2501, pin 1 via the "FMODE" line.

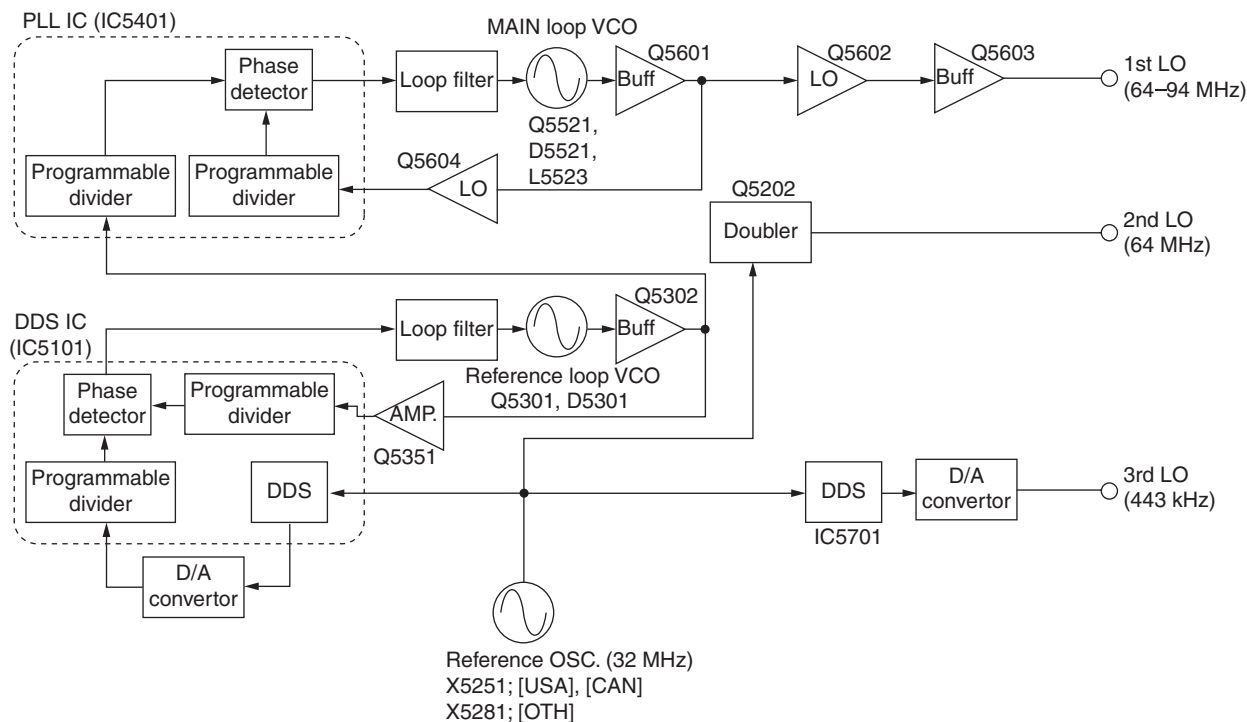
4-4-3 KEY'S BACK LIGHTS CIRCUIT (DISPLAY BOARD)

The key's back lights compose of DS8305, DS8306, DS8308, DS8309, DS8311–DS8314, and are controlled by the dimmer (Q8301) and dimmer controller (IC8280) circuits. The dimmer circuit is controlled by the FRONT CPU.

4-4-4 RESET CIRCUIT (DISPLAY BOARD)

The reset IC (IC8202) resets the FRONT CPU (IC8201) when IC-F7000 is power ON or OFF.

• PLL CIRCUIT



4-5 POWER SUPPLY CIRCUITS

4-5-1 PA UNIT VOLTAGE LINE

LINE	DESCRIPTION
HV13	The voltage from an external power supply.
HV	The same voltage as the HV13 line passed through the fuse (F6701).
S13V	The same voltage as the HV13 line passes through the switching relay (RL6701).
13.8	The same voltage as the HV13 line passes through the switching relay (RL6701).
PA8V	8 V for transmitter circuits regulated by the +8 regulator circuit (IC6601).
T8V	8 V for transmitter circuits regulated by the T8 regulator circuit (Q6601, Q6602).

4-5-2 DISPLAY BOARD (RC-26) VOLTAGE LINE

LINE	DESCRIPTION
H13V	The voltage from PA and MAIN units via the J8201.
10V	Common 10 V converted from the 13 V line and regulated by the +10 regulator circuit (IC8301).
5V	Common 5 V converted from the 5 V line and regulated by the +5 regulator circuit (IC8290).
8V	Common 8 V converted from the 8 V line and regulated by the +8 regulator circuit (IC8310).

4-5-3 PLL UNIT VOLTAGE LINE

LINE	DESCRIPTION
HV13	The voltage from MAIN units via the J5001, pin 1.
H5V	Common 5 V line from the MAIN unit via the J7331, pin 21.
5V	Common 5 V converted from the 13 V line and regulated by the +5 regulator circuit (IC5001).
8VL	Common 8 V converted from the 13 V line and regulated by the +8 regulator circuit (IC5031).

4-5-4 MAIN UNIT VOLTAGE LINE

LINE	DESCRIPTION
S13V	The voltage from the PA unit via the J1901.
R13V	Receive 13 V converted from the S13V line and regulated by the R13 regulator circuit (Q1505).
8V	Common 8 V converted from the S13V line and regulated by the +8 regulator circuit (IC1502).
-5V	Common -5 V converted from the S13V line and regulated by the -5 V DC-DC converter (IC1551, D1551, D1552).
T8	Transmit 8 V converted from the S13V line and regulated by the T8 regulator circuit (Q1501).
R8	Receive 8 V converted from the S13V line and regulated by the R8 regulator circuit (Q1502).
5V	Common 5 V converted from the S13V line and regulated by the +5 regulator circuit (IC1501).
H5V	Common 5 V converted from the HV13 line and regulated by the +5 regulator circuit (IC3101).
HV	Common 5 V converted from the HV13 line and regulated by the +5 regulator circuit (IC3101).

4-6 PORT ALLOCATIONS

4-6-1 MAIN CPU (MAIN UNIT; IC3303)

Pin number	Port name	Description
1	TXS	Outputs T8 regulator circuit (MAIN unit; Q1501) control signal.
2	RXS	Outputs R8 and R13V regulator circuits (MAIN unit; Q1502, Q1505) control signal.
3	PSEL	Outputs serial strobe signal to the latch control IC (IC3601, pin 1).
4	BEEP	Outputs beep audio signals.
6	PDAT	Outputs serial data signal for the PLL circuits.
7	PCK	Outputs serial clock signal for the PLL circuit.
19	PWRS	Outputs switching relay (PA unit; RL6701) control signal.
23	DRES	Outputs the RESET signal.
24	STBO	Outputs strobe signal for the DSP IC.
26	RQO	Outputs data signal for the DSP IC.
27	RQI	Outputs serial data signal for the DSP IC.
28	DO	Input port for the serial data signal from the DSP IC.
29	NMEI	Input port for the NMEA signal.
30	NMEO	Outputs NMEA signal for PLL unit.
32	NMEI2	Input port for the GPS signal from the PLL unit.
33	LSTB	Outputs serial strobe signal for the IC3602, IC3603.
34	DSTB	Outputs strobe signal for the D/A converter IC (IC3606).
37	LCK	Outputs serial clock signal for IC3602 –IC3605, D/A converter IC (IC3606) and DSP IC.
38	LDAT	Outputs serial data signal for the IC3602, IC3603 and D/A converter IC (IC3606).
47	MSTB	Outputs serial strobe signal for the IC3603, IC3605.
48	PSTB	Outputs PLL strobe control signal for the LATCH controller (IC3601).
49	SQLC	Outputs squelch control signal for the SQL switching IC (IC1701).
79	UNLK	Input port for PLL unlock signal.
80	KEYS	Input port for the optional antenna tuner key control signal via the PA unit.
89	EDT	I/O port for the serial data signals from/to the EEPROM (IC3301, pin 5).

MAIN CPU (MAIN UNIT; IC3303)—continued

Pin number	Port name	Description
90	ECK	Outputs serial clock signal for the EEPROM (IC3301, pin 6).
92	ASEN	Input port for the SEND signal from the accessory connector (J1801).
93	TEMP	Input port for the power amplifier temperature signal from the PA unit.
94	NSEN	Input port for the SEND signal from the AF/MOD connector (PLL unit; J5051, pin 8) via the J3602.
97	RFML	Input port for the RF/ANTC meter's voltage from the meter amplifier (IC1201, pin 14).

4-6-2 OUTPUT EXPANDER IC FOR THE PLL STROBE (MAIN UNIT; IC3601)

Pin number	Port name	Description
4	PST1	Outputs strobe signal for the DDS IC (PLL unit; IC5101, pin 91).
5	PST2	Outputs strobe signal for the PLL IC (PLL unit; IC5401, pins 13).
6	PST3	Outputs strobe signal for the DDS IC (PLL unit; IC5701, pin 41).

4-6-3 OUTPUT EXPANDER IC FOR THE PLL UNIT (MAIN UNIT; IC3602)

Pin number	Port name	Description
4	L0S	Outputs 1.6–2.499999 MHz low-pass filter control signal.
5	L1S	Outputs 2.5–3.499999 MHz low-pass filter control signal.
6	L2S	Outputs 3.5–5.499999 MHz low-pass filter control signal.
7	L3S	Outputs 5.5–8.999999 MHz low-pass filter control signal.
13	L5S	Outputs 15–29.999999 MHz low-pass filter control signal.
14	L4S	Outputs 9–14.999999 MHz low-pass filter control signal.

4-6-4 OUTPUT EXPANDER IC FOR BANDPASS FILTERS (MAIN UNIT; IC3604)

Pin number	Port name	Description
4	B0S	Outputs 0.5–1.999999 MHz bandpass filter control signal.
5	B1S	Outputs 2–2.999999 MHz bandpass filter control signal.
6	B2S	Outputs 3–4.999999 MHz bandpass filter control signal.
7	B3S	Outputs 5–6.999999 MHz bandpass filter control signal.
11	B7S	Outputs 18–23.999999 MHz bandpass filter control signal.
12	B6S	Outputs 14–17.999999 MHz bandpass filter control signal.
13	B5S	Outputs 10–13.999999 MHz bandpass filter control signal.
14	B4S	Outputs 7–9.999999 MHz bandpass filter control signal.

4-6-6 D/A CONVERTER IC (MAIN UNIT; IC3606)

Pin number	Port name	Description
5	POCV	Outputs transmit power control signal. The signal is applied to the ALC amplifier (IC1201, pin 3) and RF amplifier (Q701).
11	FANS	Outputs the cooling fan control signal. The signal is applied to the fan controller (PA unit; IC6501, Q6501).
13	TRXS	Outputs the transmitter/receiver switching signal. The signal is applied to the switching relay circuit (PLL unit; RL7301).

4-6-5 OUTPUT EXPANDER IC (MAIN UNIT; IC3603)

Pin number	Port name	Description
4	NMS	Outputs NBDP MOD control signal for the gate mod IC (IC2001, pin 10).
5	EMS	Outputs external MOD control signal for the gate mode IC (IC2001, pin 11).
6	MMS	Outputs microphone MOD control signal for the gate mode IC (IC2001, pin 9).
11	NMR	Outputs NMEA/RS-232C switching signal.
13	AFMS	Outputs AF mute control signal.
14	CSEN	Outputs SEND control signal for the buffer amplifier (IC1303, pin 6).

4-6-7 FRONT CPU PORT ALLOCATIONS (RC-26, DISPLAY BOARD; IC8201)

Pin number	Port name	Description											
15–17	CS WR RD	Outputs LCD drive signals.											
21	CALK	Input port for the [CALL] switch. Low: [CALL] switch is pushed.											
22	UPK	Input port for the [▲] switch. Low: [▲] switch is pushed.											
23	UNK	Input port for the [▼] switch. Low: [▼] switch is pushed.											
24	SELA	Input port for the select dial A signal.											
25	SELB	Input port for the select dial B signal.											
27	PCON	Input port for the [POWER] switch detection signal. Low: [POWER] switch is pushed.											
28	IOK	Input port for the [I/O] switch.											
31	MUDK	Input port for [▲], [▼] switches from the microphone (HM-155).											
32	MPTT	Input port for the [PTT] switch from the microphone connector (J8701, pin 5).											
37	DIM	Outputs LCD back light dimmer control signal. <table border="1"> <thead> <tr> <th>Dimmer</th><th>Brightness</th><th>Voltage</th></tr> </thead> <tbody> <tr> <td rowspan="2">ON</td><td>0 (dark)</td><td>0 V</td></tr> <tr> <td>1 to 10 (bright)</td><td>0.8 V to 3.6 V</td></tr> <tr> <td>OFF</td><td></td><td>5.6 V</td></tr> </tbody> </table>	Dimmer	Brightness	Voltage	ON	0 (dark)	0 V	1 to 10 (bright)	0.8 V to 3.6 V	OFF		5.6 V
Dimmer	Brightness	Voltage											
ON	0 (dark)	0 V											
	1 to 10 (bright)	0.8 V to 3.6 V											
OFF		5.6 V											
39	ETXD	Outputs cloning data.											
40	ERXD	Input port for cloning data.											
48	SCNK	Input port for the [SCAN] switch Low: [SCAN] switch is pushed.											
49	TUNK	Input port for the [TUNE] switch Low: [TUNE] switch is pushed.											
50	MUTK	Input port for the [MUTE] switch Low: [MUTE] switch is pushed.											
51	EMGK	Input port for the [EMG] switch Low: [EMG] switch is pushed.											
52	TRK	Input port for the [←] switch Low: [←] switch is pushed.											
53	TLK	Input port for the [→] switch Low: [→] switch is pushed.											
54	T0K	Input port for the [0] switch Low: [0] switch is pushed.											
55	T9K	Input port for the [9] switch. Low: [9] switch is pushed.											
57	T8K	Input port for the [8] switch. Low: [8] switch is pushed.											

Pin number	Port name	Description
58	T7K	Input port for the [7] switch. Low: [7] switch is pushed.
59	T6K	Input port for the [6] switch. Low: [6] switch is pushed.
60	T5K	Input port for the [5] switch. Low: [5] switch is pushed.
61	T4K	Input port for the [4] switch. Low: [4] switch is pushed.
62	T3K	Input port for the [3] switch. Low: [3] switch is pushed.
63	T2K	Input port for the [2] switch. Low: [2] switch is pushed.
64	T1K	Input port for the [1] switch. Low: [1] switch is pushed.
65–72	DB0–DB7	I/O ports for LCD driver control signals.
74	RS	Outputs resistor select signal for the LCD driver. High: Index resistor is selected. Low: Data resistor is selected.
75	RES	Outputs reset signal for the LCD driver. Low: The LCD driver is reseted.
76	MSEL	Outputs mic gain select signal. High: Capacitor microphone is selected. Low: Moving-conductor microphone is selected.
77	MBKS	Outputs microphone key back light control signal. Low: Lights ON.

SECTION 5 ADJUSTMENT PROCEDURE

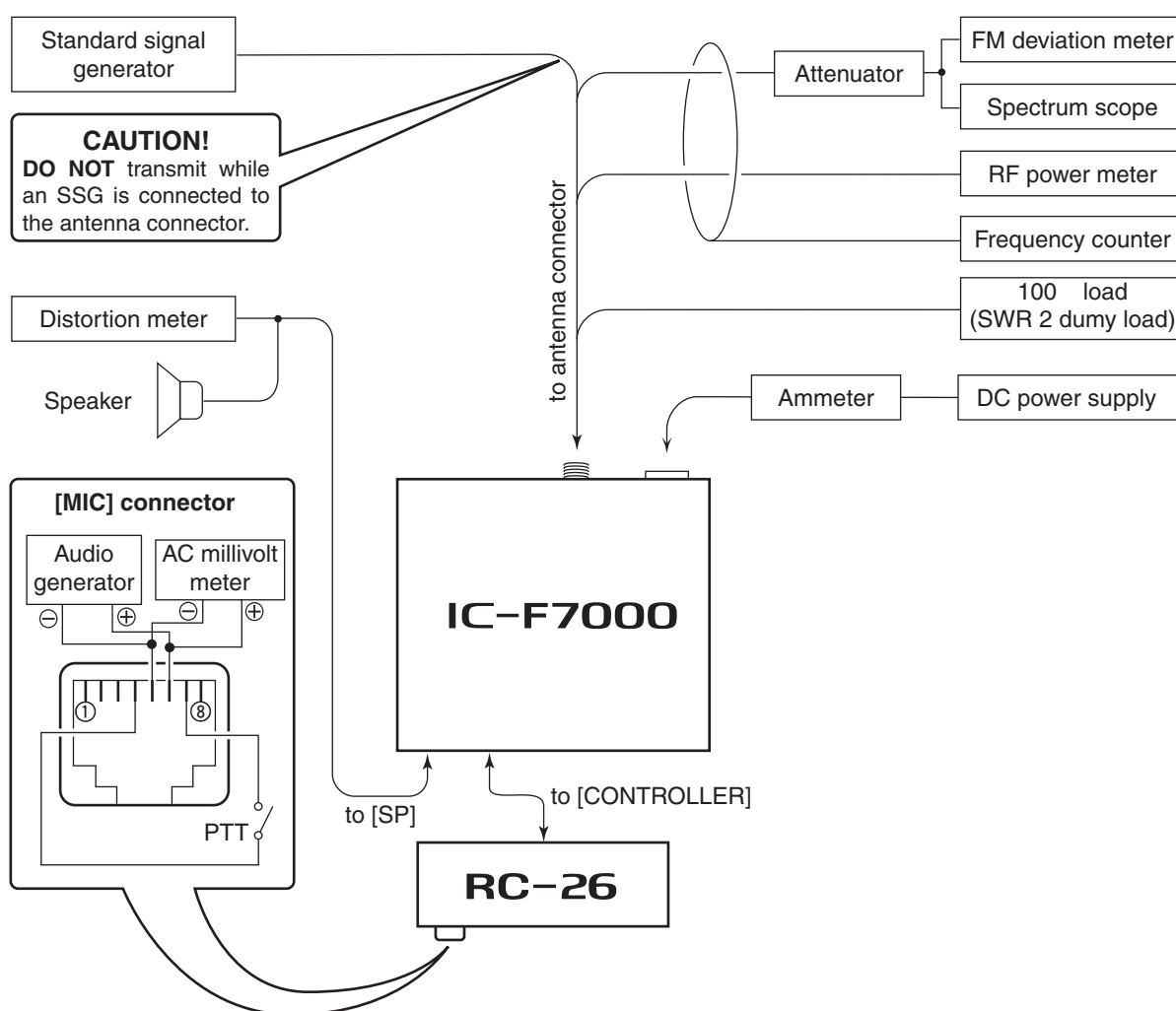
5-1 PREPARATION

When adjusting the contents on page 5-9, a JIG CABLE (see illustration as below) is required.
Some adjustments must be performed on the "ADJUSTMENT MODE". Entering the "ADJUSTMENT MODE", refer to the next page in detail.

■ REQUIRED TEST EQUIPMENT

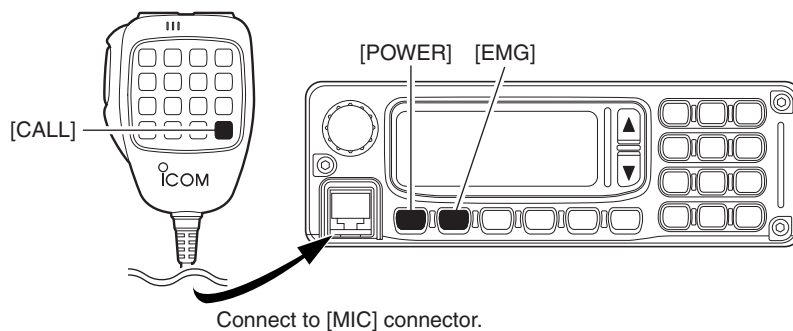
EQUIPMENT	GRADE AND RANGE	EQUIPMENT	GRADE AND RANGE
DC power supply	Output voltage : 13.8 V DC Current capacity : 25 A or more	Audio generator	Frequency range : 300–3000 Hz Output level : 1–500 mV
RF power meter (terminated type)	Measuring range : 1–200 W Frequency range : 0.5–50 MHz Impedance : 50 Ω SWR : Less than 1.2 : 1	Attenuator	Power attenuation : 50 or 60 dB Capacity : 150 W or more
Frequency counter	Frequency range : 0.1–50 MHz Frequency accuracy : ±1 ppm or better Sensitivity : 100 mV or better	Standard signal generator (SSG)	Frequency range : 0.5–30 MHz Output level : 0.1 μV–32 mV (–127 to –17 dBm)
FM deviation meter	Frequency range : DC–50 MHz Measuring range : 0 to ±5 kHz	DC voltmeter	Input impedance : 50 kΩ/V DC or better
Digital multimeter	Input impedance : 10 MΩ/V DC or better	Oscilloscope	Frequency range : DC–20 MHz Measuring range : 0.01–20 V
		AC millivoltmeter	Measuring range : 10 mV–10 V

• CONNECTION



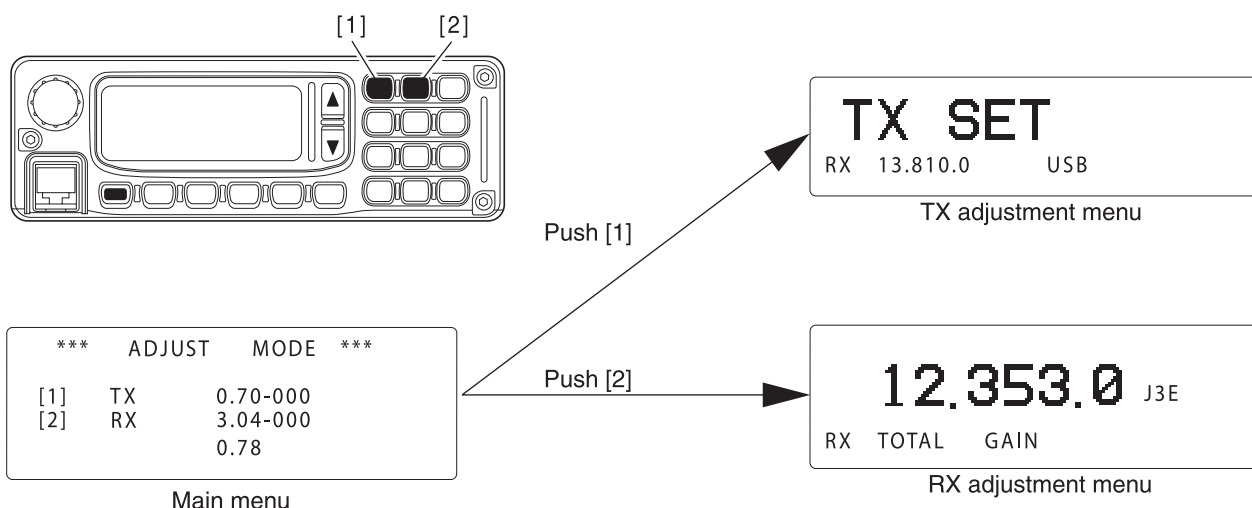
■ ENTERING THE ADJUSTMENT MODE

- ① Turn the power OFF.
- ② Push and hold the HM-146's [CALL] and RC-26's [EMG] switches, then turn the power ON.

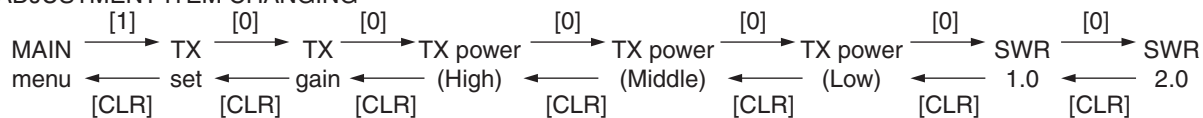


■ OPERATING ON THE ADJUSTMENT MODE

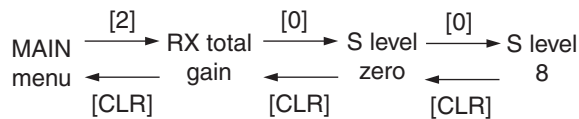
- Enter the TX adjustment from the MAIN menu. : Push the RC-26 [1] button
- Enter the RX adjustment from the MAIN menu. : Push the RC-26 [2] button
- Change the adjustmet value. : Turn the RC-26 [VOL]
- Write the adjustment data to the memory, and then change the next adjustmet item. : Push the RC-26 [OK] button
- Selects the next adjustment item. : Push the RC-26 [0] button
- Selects to the previous adjustment item. : Push the RC-26 [CLR] button



• TX ADJUSTMENT ITEM CHANGING



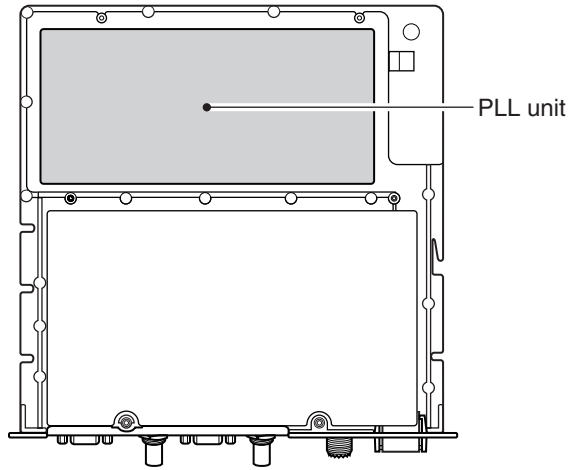
• RX ADJUSTMENT ITEM CHANGING



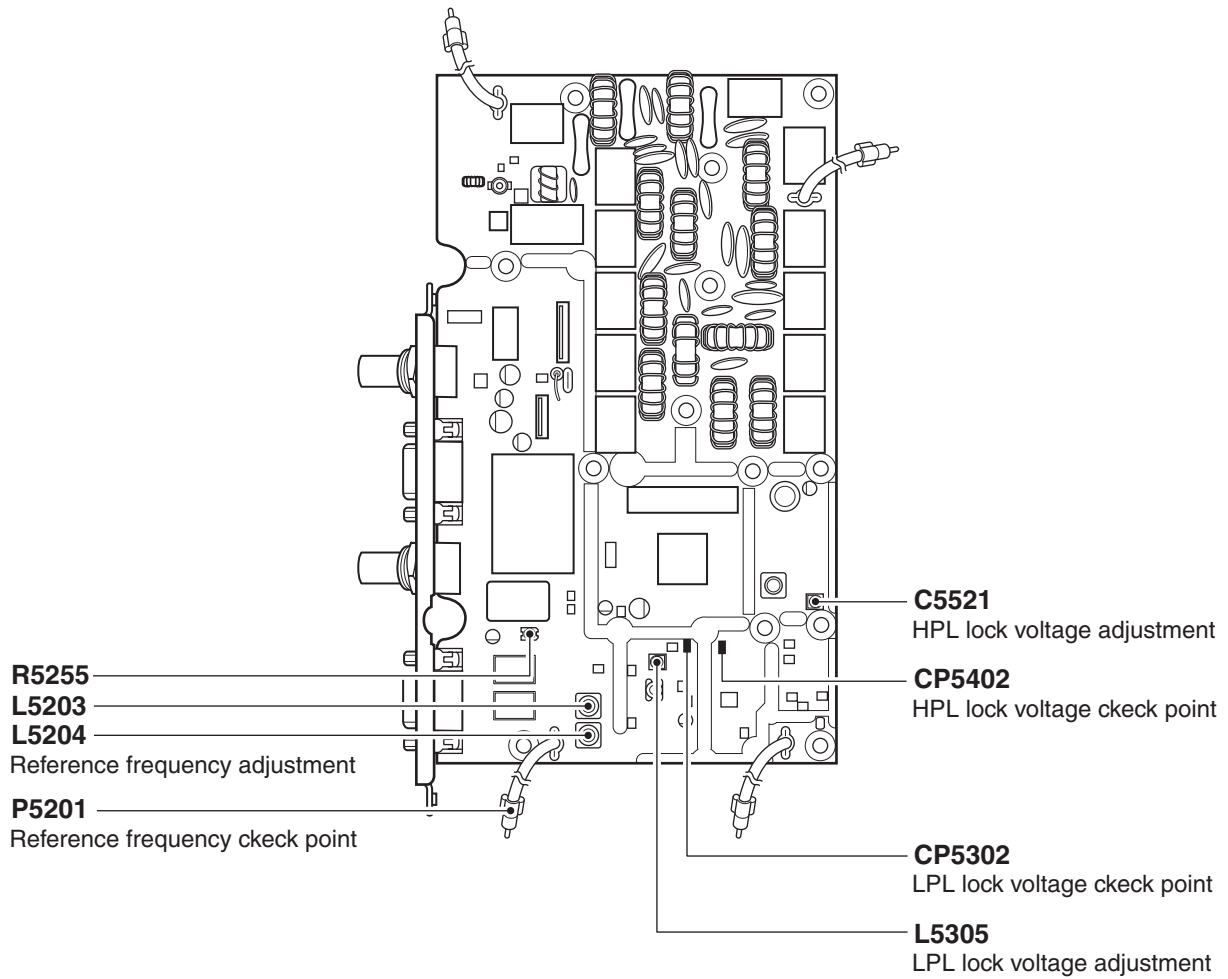
5-2 PLL UNIT ADJUSTMENT

ADJUSTMENT		ADJUSTMENT CONDITIONS	MEASUREMENT		VALUE	ADJUSTMENT	
			UNIT	LOCATION		UNIT	ADJUST
LPL LOCK VOLTAGE	1	- Operating frequency : 0.5000 MHz - Mode : J3E - Receiving	PLL	Connect a digital multi meter or oscilloscope to the check point CP5301.	1.0 V	PLL	C5305
	2	- Operating frequency : 0.4999 MHz - Receiving			Less than 4.0 V		Verify
HPL LOCK VOLTAGE	1	- Operating frequency : 29.9999 MHz - Mode : J3E - Receiving	PLL	Connect a digital multi meter or oscilloscope to the check point CP5401.	4.2 V	PLL	C5521
	2	- Operating frequency : 0.0300 MHz - Receiving			More than 0.8 V		Verify
REFERENCE FREQUENCY	1	- Wait for 5 minutes after power ON. - Terminate P5201 on the PLL unit to ground with a 50 ohms resister. - Receiving	PLL	Connect an RF voltmeter to the check point P5201.	Maximum level	PLL	L5203, L5204
	2			Connect a frequency counter to the check point P5201.	64.000000 MHz		R5255

• IC-F7000 BOTTOM VIEW



• PLL UNIT TOP VIEW



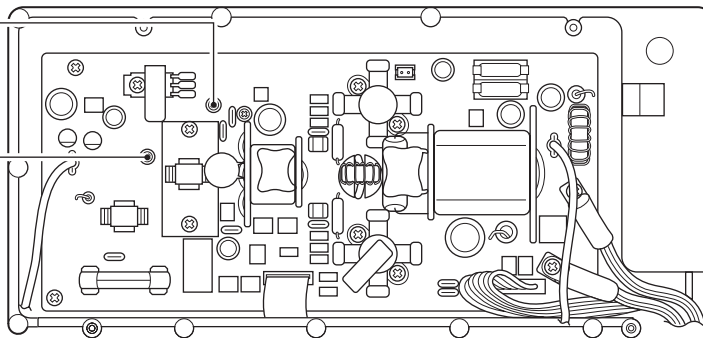
5-3 PA AND FILTER UNITS ADJUSTMENT

ADJUSTMENT	ADJUSTMENT CONDITIONS		MEASUREMENT		VALUE	ADJUSTMENT	
			UNIT	LOCATION		UNIT	ADJUST
IDLING CURRENT (For drive FETs)	1	• Operating frequency : 12.2350 MHz • Mode : J3E • Apply no audio signal to the [MIC] connector. • Disconnect J6702. • Preset R6304 and R6412 on the PA unit to max. counter clockwise. • Preset R6515 on the PA unit to max. clockwise. • Connect a dummy load or RF power meter to the [ANT] connector. • Transmitting	Rear panel	Connect an ammeter (10 A) between an external power supply and the transceiver.	2.0 A	PA	R6304
	(For final transistors)	2			• Transmitting		0.7 A
	• After adjustment, connect J6701 to the PA unit.						
SWR DETECTOR	1	• Operating frequency : 22.0000 MHz • Mode : J3E • Connect the CP7332 (FOR line) on the FILTER unit to ground.	Rear panel	Connect an RF power meter to the [ANT] connector.	90 W	AG	Output level
	2	• Connect an audio generator to the [MIC] connector and set as: Frequency : 1.5 kHz Level : OFF • Transmitting	FILTER	Connect a DC voltmeter to the check point, CP7331.	Minimum level	FILTER	C7275
	• After adjustment, disconnect CP7332 (FOR line) on the FILTER unit from ground.						

• PA UNIT TOP VIEW

R6412
Idling current adjustment
(For final transistors)

R6304
Idling current adjustment
(For drive FETs)

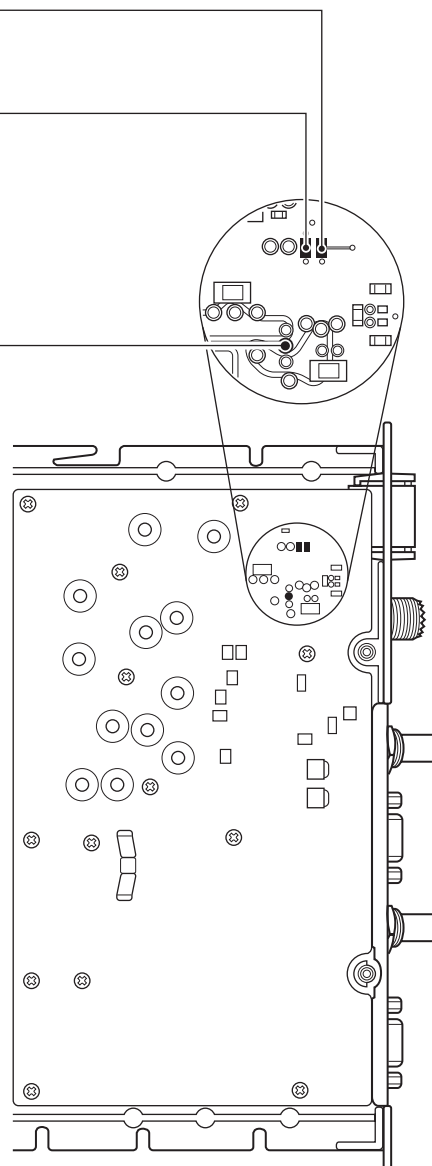


• PLL UNIT BOTTOM VIEW

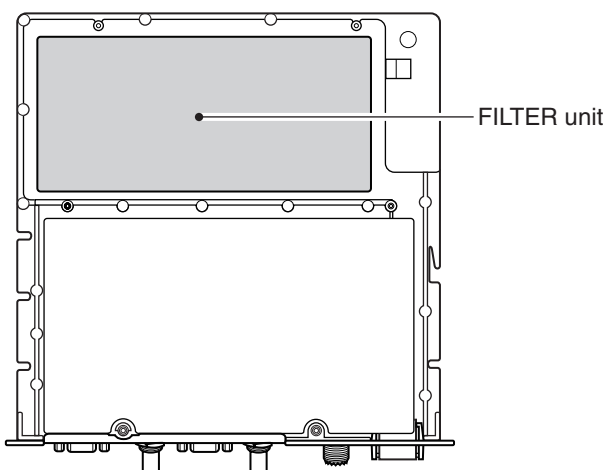
CP7331 (REF line)
SWR detector check point

CP7332 (FOR line)
Connect to ground

C7275
SWR detector adjustment



• IC-F7000 BOTTOM VIEW



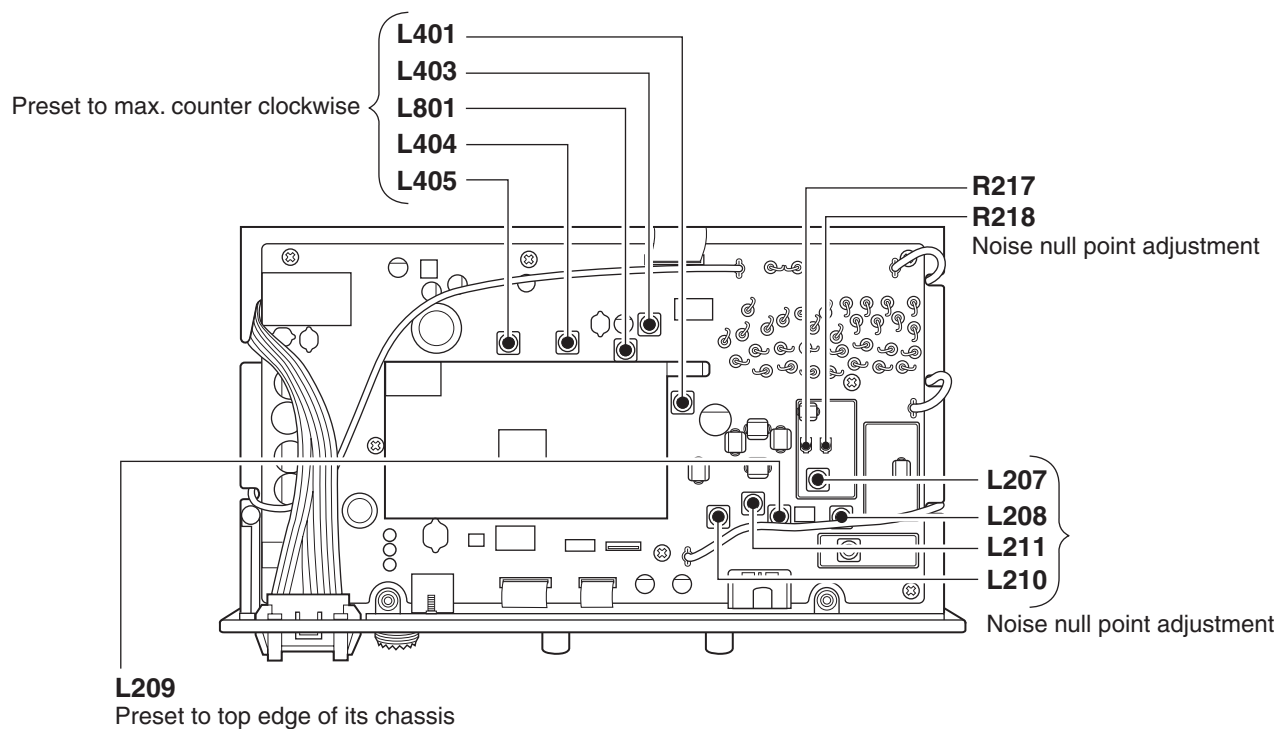
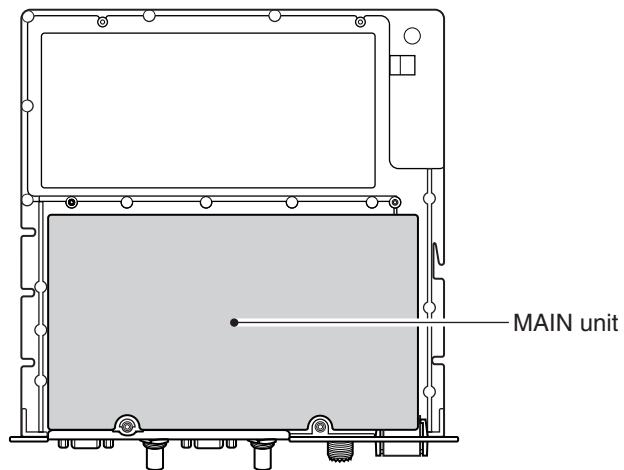
5-4 RECEIVER ADJUSTMENTS

"TOTAL GAIN", "S-METER" and "DSC PEAK" adjustments must be performed at "ADJUSTMENT MODE".

ADJUSTMENT		ADJUSTMENT CONDITIONS	MEASUREMENT		VALUE	ADJUSTMENT	
			UNIT	LOCATION		UNIT	ADJUST
NOISE NULL POINT	1	- Operating frequency : 0.5 MHz - Mode : A3E - Preset L209 parallel to top edge of its chassis. - Preset L401, L403, L404, L405 and L801 to max. counter clockwise. - Set the standard signal generator to OFF (no signal output). - Receiving	Front panel	Connect an AC millivoltmeter to the [SP] jack with a 4 ohms dummy load.	Minimum output level	MAIN	R217, R218
RECEIVER GAIN	1	- Operating frequency : 13.9210 MHz - Mode : J3E - Connect a standard signal generator to the [ANT] connector and set as: - Frequency : 13.9210 MHz - Level : 0.5 μV* (-113 dBm) - Modulation : OFF - Receiving	Front panel	Connect an AC millivoltmeter to the [SP] jack with a 4 ohms dummy load.	Maximum output level	MAIN	L207, L208, L210, L211
TOTAL GAIN	1	- While pushing HM-146's [CALL] switch and RC-26's [EMG] switch, then turn power ON. - Push [2] switch to enter the RX adjustment mode. - Connect a standard signal generator to the [ANT] connector and set as: - Frequency : 13.9210 MHz - Level : 320 μV* (-57 dBm) - Modulation : OFF - Receiving	Push the [OK] switch to write the adjustment value in the memory.				
S-METER	1	Set the standard signal generator to OFF (no signal output).	Push the [OK] switch to write the adjustment value in the memory.				
	2	- Set the standard signal generator as: - Frequency : 13.9210 MHz - Level : 10 mV* (-27 dBm) - Receiving	Push the [OK] switch to write the adjustment value in the memory.				

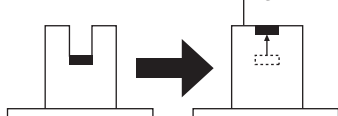
*The output level of the standard signal generator (SSG) is indicated as the SSG's open circuit.

• MAIN UNIT TOP VIEW

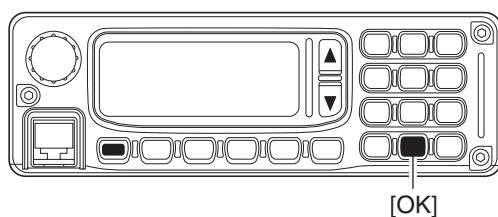


• L209 PRESETTING

Set to same height here.



• RC-26 FRONT PANEL



5-5 TRANSMITTER ADJUSTMENTS

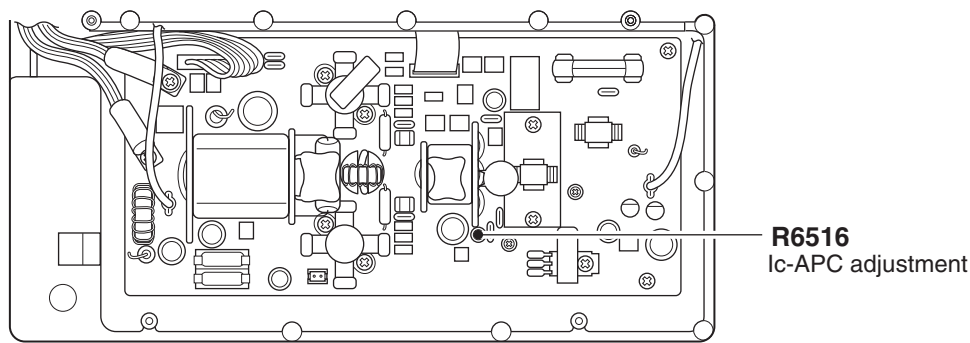
The following adjustments must be performed at "ADJUSTMENT MODE" after "SWR DETECTOR" and "RECEIVER" ADJUSTMENTS in the SECTION 5-3 and 5-4.

ADJUSTMENT		ADJUSTMENT CONDITIONS	MEASUREMENT		VALUE	ADJUSTMENT	
			UNIT	LOCATION		UNIT	ADJUST
TRANSMIT PEAK AND TOTAL GAIN (TX PEAK)	1	- While pushing HM-146's [CALL] switch and RX-26's [EMG] switch, turn power ON. - Connect an audio generator to the [MIC] connector and set as: Frequency : 1.5 kHz Level : 3 mV - Push [1] switch to enter the TX adjustment mode (LCD displayed: "TX SET"). - Push [ENT] switch, then the transceiver is transmitting.	Rear panel	Connect an RF power meter to the [ANT] connector.	Maximum output power	MAIN	L706
	2	After setting 50 W, push the [OK] switch to write the adjustment value in the memory.			50 W		[VOL] DIAL
TX POWER (HIGH)	1	- LCD displayed : "TX POWER HIGH" - Set the audio generator as: Frequency : 1.5 kHz Level : 30 mV	Rear panel	Connect an RF power meter to the [ANT] connector.	88 W [AUS] 125 W [OTH]	RC-26	[VOL] DIAL
	2	After setting 88 W, push the [OK] switch to write the adjustment value in the memory.					
(MIDDLE)	1	- LCD displayed : "TX POWER MID" - Set the audio generator as: Frequency : 1.5 kHz Level : 30 mV	Rear panel	Connect an RF power meter to the [ANT] connector.	50 W	RC-26	[VOL] DIAL
	2	After setting 50 W, push the [OK] switch to write the adjustment value in the memory.					
(LOW)	1	- LCD displayed : "TX POWER LOW" - Set the audio generator as: Frequency : 1.5 kHz Level : 30 mV	Rear panel	Connect an RF power meter to the [ANT] connector.	10 W	RC-26	[VOL] DIAL
	2	After setting 10 W, push the [OK] switch to write the adjustment value in the memory.					
SWR DETECTOR	1	LCD displayed : "SWR1.0"	Rear panel	Connect an RF power meter to the [ANT] connector.	Push the [OK] switch to write the adjustment value in the memory.		
	2	LCD displayed : "SWR2.0"		Connect the 100 ohms load (or SWR 2 dummy load) to the [ANT] connector.			

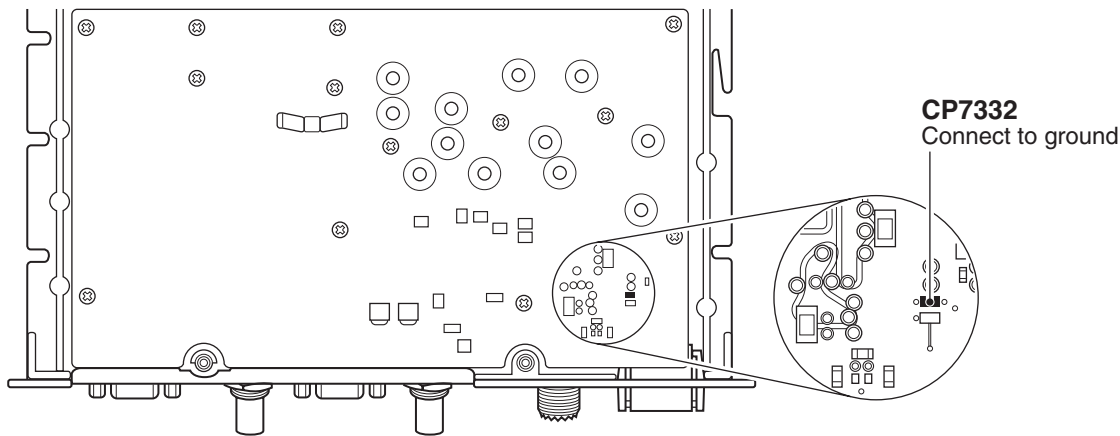
TRANSMITTER ADJUSTMENTS–Continued

ADJUSTMENT		ADJUSTMENT CONDITIONS	MEASUREMENT		VALUE	ADJUSTMENT	
			UNIT	LOCATION		UNIT	ADJUST
IC-APC	1	• Operating frequency : 13.810 MHz • Mode : J3E • Set the audio generator as: - Frequency : 1.5 kHz - Level : 100 mV • Preset R6516 on the PA unit to center position. • Connect the CP7332 (FOR line) on the PLL unit to ground. • Transmitting	Rear panel	Connect an ammeter (50 A) between an external power supply and the transceiver.	24.0 A [AUS] 28.0 A [OTH]	PA	R6516
	2	• After adjustment, disconnect CP7332 (FOR line) on the PLL unit from ground.					

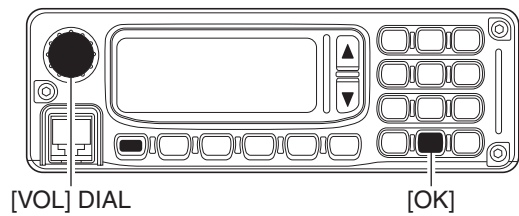
• PA UNIT TOP VIEW



• PLL UNIT BOTTOM VIEW



• RC-26 FRONT PANEL



SECTION 6

PARTS LIST

[MAIN UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
IC1	1110004080	S.IC uPC2709T-E3	T	191.6/111.2
IC101	1130013860	S.IC IS62C1024AL-35TL1 <TOMO>	T	111.3/50.6
IC301	1110004080	S.IC uPC2709T-E3	T	133.1/22
IC501	1110005461	S.IC TA4107F (TE12L,F)	T	45.3/90.3
IC901	1110005461	S.IC TA4107F (TE12L,F)	T	33.3/78.2
IC1001	1130006221	S.IC TC4W53FU (TE12L,F)	T	33.2/38.7
IC1002	1110005450	S.IC TS5221DT	T	22.2/40.3
IC1051	1110005450	S.IC TS5221DT	T	22/27
IC1101	1110005450	S.IC TS5221DT	T	21/83.4
IC1201	1110005140	S.IC NJM3403AV-TE1-#ZZZB	T	68.7/21.2
IC1301	1160000131	S.IC TD62783AFG (S,EL)	T	81.8/21.6
IC1302	1160000131	S.IC TD62783AFG (S,EL)	T	140.7/94.2
IC1501	1180000421	S.IC TA78L05F (TE12R,F)	T	74.9/105.9
IC1502	1180002010	S.REG BA08FP-E2	T	52.4/108.6
IC1551	1110001401	S.IC uPC1555G2-E1-A	T	9.6/96.4
IC1601	1110003091	IC LA4425A-E		
IC1602	1130006221	S.IC TC4W53FU (TE12L,F)	T	10.4/79.6
IC1651	1110005450	S.IC TS5221DT	T	21.9/71.7
IC1702	1110005450	S.IC TS5221DT	T	21.9/58.3
IC1703	1130006221	S.IC TC4W53FU (TE12L,F)	T	32.4/65.6
IC2001	1130008230	S.IC BU4053BCFV-E2	T	33.9/16.7
IC3101	1180000421	S.IC TA78L05F (TE12R,F)	T	130.4/4.8
IC3201	1130005721	S.IC TC7W04F (TE12L,F)	T	104.2/26.6
IC3301	1130011141	S.IC CAT24WC256X-1.8-T13	T	81.4/70
IC3302	1110006271	S.IC S-80842CNMC-B83-T2G	T	60.8/55.9
IC3303	1140011616	S.IC M30624FGAFP (SX2620A-7)	T	94.7/50.3
IC3304	1130006441	S.IC TC7S08F (TE85R,F)	T	60.8/59.3
IC3601	1130007700	S.IC BU4094BCF-E2	T	103/19.3
IC3602	1130007700	S.IC BU4094BCF-E2	T	70.8/38.3
IC3603	1130007700	S.IC BU4094BCF-E2	T	54.1/33.7
IC3604	1130007700	S.IC BU4094BCF-E2	T	144/72.6
IC3606	1110003690	S.IC M62354GP 75EC	T	60.8/47.3
IC3607	1130011831	S.IC TC7SZ32FU (TE85L,F)	T	102.9/36
IC3608	1120002790	S.IC TC74AC574FT (EL)	T	68.7/75
Q51	1530003091	S.STR 2SC4213-B (TE85R,F)	T	160.5/105.6
Q101	1590001960	S.STR XP4311 (TX)	T	150/46.2
Q102	1530003851	S.STR 2SC5551F-TD-E	T	163/63.2
Q103	1530003851	S.STR 2SC5551F-TD-E	T	160.1/49.4
Q104	1530002691	S.STR 2SC4116-GR (TE85R,F)	T	147.6/48.8
Q105	1590000680	S.STR DTC114EUA T106	T	146.9/46.2
Q201	1560001311	S.FET MMBFU310LT1G	T	185.1/46.4
Q202	1560001311	S.FET MMBFU310LT1G	T	178.7/46.4
Q203	1580000620	S.FET 3SK131-T2 MAS	T	156.8/25.9
Q204	1560001311	S.FET MMBFU310LT1G	T	175.5/46.4
Q205	1560001311	S.FET MMBFU310LT1G	T	181.8/46.4
Q401	1580000620	S.FET 3SK131-T2 MAS	T	129.1/81.6
Q501	1580000620	S.FET 3SK131-T2 MAS	T	71/95.4
Q601	1530003851	S.STR 2SC5551F-TD-E	T	208.9/48.1
Q701	1580000620	S.FET 3SK131-T2 MAS	T	202.6/45.9
Q702	1580000620	S.FET 3SK131-T2 MAS	T	208.6/18.1
Q703	1580000620	S.FET 3SK131-T2 MAS	T	203.1/18.1
Q801	1580000620	S.FET 3SK131-T2 MAS	T	109.5/78.7
Q1203	1510000771	S.STR 2SA1586-GR (TE85R,F)	T	49.8/16.4
Q1204	1510000771	S.STR 2SA1586-GR (TE85R,F)	T	61.6/24.4
Q1205	1530003091	S.STR 2SC4213-B (TE85R,F)	T	61.6/20.5
Q1206	1530003091	S.STR 2SC4213-B (TE85R,F)	T	72.1/9.9
Q1207	1510000771	S.STR 2SA1586-GR (TE85R,F)	T	61.8/29.6
Q1501	1540000441	S.STR 2SD1619T-TD-E	T	33.6/92.2
Q1502	1540000441	S.STR 2SD1619T-TD-E	T	34.8/102.3
Q1503	1590000680	S.STR DTC114EUA T106	T	37.3/95.6
Q1504	1590000680	S.STR DTC114EUA T106	T	38.5/105.1
Q1505	1540000441	S.STR 2SD1619T-TD-E	T	145.2/109.8
Q1506	1590000680	S.STR DTC114EUA T106	T	78.4/74.2
Q1507	1560001260	S.FET 2SK3018 T106	T	73.6/100.2
Q1801	1540000441	S.STR 2SD1619T-TD-E	T	150.1/15.3
Q1802	1590000680	S.STR DTC114EUA T106	T	156.8/17.3
Q3031	1530002691	S.STR 2SC4116-GR (TE85R,F)	T	116.8/32.7
Q3031	1530002691	S.STR 2SC4116-GR (TE85R,F)	T	70.3/55.8
Q3302	1590000680	S.STR DTC114EUA T106	T	98.6/31.7
Q3601	1510000771	S.STR 2SA1586-GR (TE85R,F)	T	100.4/104.4
Q3602	1590000680	S.STR DTC114EUA T106	T	103.7/109
Q3603	1590000680	S.STR DTC114EUA T106	T	96.2/107.8
Q3605	1590000680	S.STR DTC114EUA T106	T	111/107.6
Q3606	1590000680	S.STR DTC114EUA T106	T	100.9/107
Q3801	1510000771	S.STR 2SA1586-GR (TE85R,F)	T	63.5/62.3
Q3802	1590000680	S.STR DTC114EUA T106	T	59.7/62.6
D51	1750001360	S.DIO L709CER (9401)	T	160.3/110.5
D52	1750001360	S.DIO L709CER (9401)	T	163/110.5
D53	1750000581	S.DIO 1SV307 (TPH3,F)	T	184.4/107
[OTH], [EXP] only				
D54	1750000581	S.DIO 1SV307 (TPH3,F)	T	177.4/105.9
D101	1750000581	S.DIO 1SV307 (TPH3,F)	T	155.2/102.8
D102	1750000581	S.DIO 1SV307 (TPH3,F)	T	157.7/101.7
D103	1750000581	S.DIO 1SV307 (TPH3,F)	T	168.9/98.5
D104	1750000581	S.DIO 1SV307 (TPH3,F)	T	179.5/102.5
D105	1750000581	S.DIO 1SV307 (TPH3,F)	T	185.9/102.5
D106	1750000581	S.DIO 1SV307 (TPH3,F)	T	193.5/102.5
D107	1750000581	S.DIO 1SV307 (TPH3,F)	T	200.9/102.5
D108	1750000581	S.DIO 1SV307 (TPH3,F)	T	208.1/102.5
D109	1750000581	S.DIO 1SV307 (TPH3,F)	T	216.2/102.5
D110	1750000581	S.DIO 1SV307 (TPH3,F)	T	151.8/72.8
D111	1750000581	S.DIO 1SV307 (TPH3,F)	T	159.8/72.8
D112	1750000581	S.DIO 1SV307 (TPH3,F)	T	169.2/72.8
D113	1750000581	S.DIO 1SV307 (TPH3,F)	T	172.1/72.8

[MAIN UNIT]

REF NO.	ORDER NO.	DESCRIPTION		M.	H/V LOCATION
D114	1750000581	S.DIO	1SV307 (TPH3,F)	T	181.2/71.6
D115	1750000581	S.DIO	1SV307 (TPH3,F)	T	189.2/71.3
D116	1750000581	S.DIO	1SV307 (TPH3,F)	T	201.5/72.8
D117	1750000581	S.DIO	1SV307 (TPH3,F)	T	209.5/72.8
D118	1750000581	S.DIO	1SV307 (TPH3,F)	T	218/72.8
D119	1750000581	S.DIO	1SV307 (TPH3,F)	T	157.6/66.2
D120	1750000581	S.DIO	1SV307 (TPH3,F)	T	154.3/66.2
D121	1730002300	S.ZEN	MA8082-M (TX)	T	169.9/47.6
D122	1750000581	S.DIO	1SV307 (TPH3,F)	T	168.5/65.8
D123	1750000581	S.DIO	1SV307 (TPH3,F)	T	171.2/66.3
D125	1790001250	S.DIO	MA2S111-(TX)	T	64.8/25.1
D127	1790001250	S.DIO	MA2S111-(TX)	T	43.6/27.4
D128	1790001250	S.DIO	MA2S111-(TX)	T	48.1/19.5
D129	1790001250	S.DIO	MA2S111-(TX)	T	74.1/16.8
D130	1790001250	S.DIO	MA2S111-(TX)	T	72.8/25
D131	1790001250	S.DIO	MA2S111-(TX)	T	65.6/12.7
D132	1750000581	S.DIO	1SV307 (TPH3,F)	T	75.8/89.9
D133	1750000581	S.DIO	1SV307 (TPH3,F)	T	87.6/88.5
D134	1790001250	S.DIO	MA2S111-(TX)	T	145.2/13.2
D135	1790001240	S.DIO	MA2S728-(TX)	T	23.4/80
D201	1750000581	S.DIO	1SV307 (TPH3,F)	T	189.9/63.2
D202	1750000581	S.DIO	1SV307 (TPH3,F)	T	191.8/63.2
D203	1750000581	S.DIO	1SV307 (TPH3,F)	T	206.5/32.2
D204	1750000581	S.DIO	1SV307 (TPH3,F)	T	187.1/31.4
D205	1750000581	S.DIO	1SV307 (TPH3,F)	T	185.8/19
D206	1750000581	S.DIO	1SV307 (TPH3,F)	T	164.5/33.4
D207	1750000581	S.DIO	1SV307 (TPH3,F)	T	167/33.5
D301	1750000581	S.DIO	1SV307 (TPH3,F)	T	143.3/35.6
D302	1750000581	S.DIO	1SV307 (TPH3,F)	T	147.6/37.8
D303	1750000431	S.DIO	HSB88WSTR-E	T	133.6/42.8
D304	1750000581	S.DIO	1SV307 (TPH3,F)	T	132.8/59.3
D305	1750000581	S.DIO	1SV307 (TPH3,F)	T	131.3/56.8
D401	1750000581	S.DIO	1SV307 (TPH3,F)	T	103.7/84.3
D403	1750000581	S.DIO	1SV307 (TPH3,F)	T	100.6/77
D601	1750000581	S.DIO	1SV307 (TPH3,F)	T	215.7/19.4
D901	1750000581	S.DIO	1SV307 (TPH3,F)	T	37.2/79.4
D902	1750000581	S.DIO	1SV307 (TPH3,F)	T	37.2/75.9
D1501	1790001670	S.DIO	RB706F-40T106	T	31.9/97.7
D1502	1790001670	S.DIO	RB706F-40T106	T	32.7/107.5
D1551	1730002320	S.ZEN	MA8051-M (TX)	T	17.5/103.4
D1552	1790001670	S.DIO	RB706F-40T106	T	16.9/100.6
D1554	1730002280	S.ZEN	MA8091-M (TX)	T	4.3/101.1
D3001	1790001670	S.DIO	RB706F-40T106	T	81.8/74.2
D3002	1790001670	S.DIO	RB706F-40T106	T	95.2/29
D3003	1790001670	S.DIO	RB706F-40T106	T	92.3/29.9
D3006	1790001670	S.DIO	RB706F-40T106	T	93/90.3
D3007	1790001670	S.DIO	RB706F-40T106	T	84.3/74.2
D3031	1790001250	S.DIO	MA2S111-(TX)	T	123.3/32.1
D3301	1790001250	S.DIO	MA2S111-(TX)	T	88.9/34.5
D3302	1790001250	S.DIO	MA2S111-(TX)	T	90.2/34.5
D3303	1790001250	S.DIO	MA2S111-(TX)	T	67/54.8
D3802	1790001250	S.DIO	MA2S111-(TX)	T	50.5/76.1
FI201	2010002580	S.FIL	FL-348 (64.455 MHz)	T	178.2/27.2
FI401	2020001960	CER	CFWLB455KHFA-B0		
FI402	2020001330	CER	CFWLA455KHFA-B0		
X3301	6050010501	S.XTL	CR-636A (14.7456 MHz)	T	79.7/44.4
X3302	6050011030	S.XTL	DMX-26S 32.768KHz	T	77.1/55.4
L1	6200010670	S.COL	C2520C-R18G-A (0.18U)	T	200.1/108.7
L2	6200010740	S.COL	C2520C-R27G-A	T	196.5/107.2
L3	6200002861	S.COL	NLV25T-4R7J	T	194.5/111.2
L4	6200002041	S.COL	NLV25T-101J	T	184.4/111.8
L51	6180003550	COL	SP0406-4R7K-6		
L52	6200005011	S.COL	NLV25T-100J	T	166.3/103.1
L53	6180003540	COL	SP0406-3R9K-6		
L54	6200002041	S.COL	NLV25T-101J	T	149.2/107.4
L55	6200002041	S.COL	NLV25T-101J	T	181.5/111.4
L56	6200002041	S.COL	NLV25T-101J	T	189.5/107
L57	6200005491	S.COL	NLV32T-331J	T	172/111.7
L101	6180003540	COL	SP0406-3R9K-6		
L102	6180003490	COL	SP0406-2R7K-6		
L103	6200002041	S.COL	NLV25T-101J	T	155.8/99
L104	6180003400	COL	SP0406-1R5K-6		
L105	6200002041	S.COL	NLV25T-101J	T	166.4/97.2
L106	6180003390	COL	SP0406-1R2K-6		
L107	6200002041	S.COL	NLV25T-101J	T	180/99.2
L108	6180003480	COL	SP0406-R82K-6		
L109	6200002041	S.COL	NLV25T-101J	T	183.4/101.1
L110	6180003470	COL	SP0406-R56K-6Z		
L111	6200002041	S.COL	NLV25T-101J	T	189.9/101.1
L112	6180003370	COL	SP0406-R68K-6Z		
L113	6200002041	S.COL	NLV25T-101J	T	197.2/101.1
L114	6180003340	COL	SP0406-R33K-6Z		
L115	6200002041	S.COL	NLV25T-101J	T	204.5/101.1
L116	6180003330	COL	SP0406-R27K-6Z		
L117	6200002041	S.COL	NLV25T-101J	T	212.6/101.1
L118	6180003550	COL	SP0406-4R7K-6		
L119	6180003570	COL	SP0406-3R3K-6		
L120	6180003410	COL	SP0406-2R2K-6		
L121	6180003400	COL	SP0406-1R5K-6		
L122	6180003380	COL	SP0406-1R0K-6		
L123	6180003370	COL	SP0406-R68K-6Z		
L124	6180003360	COL	SP0406-R47K-6Z		
L125	6180003350	COL	SP0406-R39K-6Z		
L126	6180003330	COL	SP0406-R27K-6Z		
L127	6180003570	COL	SP0406-3R3K-6		

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REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
L128	6180003410	COL SP0406-2R2K-6		
L129	6180003370	COL SP0406-R68K-6Z		
L130	6180003360	COL SP0406-R47K-6Z		
L131	6180003340	COL SP0406-R33K-6Z		
L132	6180003330	COL SP0406-R27K-6Z		
L133	6200002041	S.COL NLV25T-101J	T	157.3/74.4
L134	6180003400	COL SP0406-1R5K-6		
L135	6180003380	COL SP0406-1R0K-6		
L136	6180003480	COL SP0406-R82K-6		
L137	6180003470	COL SP0406-R56K-6Z		
L138	6180003360	COL SP0406-R47K-6Z		
L139	6180003340	COL SP0406-R33K-6Z		
L140	6200002041	S.COL NLV25T-101J	T	147.9/101.8
L141	6180003420	COL SP0406-1R8K-6		
L142	6180003420	COL SP0406-1R8K-6		
L143	6180003480	COL SP0406-R82K-6		
L144	6200002041	S.COL NLV25T-101J	T	180.4/68.2
L145	6200002041	S.COL NLV25T-101J	T	150.1/69.3
L146	6200002041	S.COL NLV25T-101J	T	151/66.5
L147	6200003221	S.COL NLV32T-151J	T	152.8/59
L148	6140003800	COL LR-439		
L149	6200009690	S.COL LQH43CN101K03L	T	154/39.8
L150	6200002041	S.COL NLV25T-101J	T	162.7/67.9
L151	6200009690	S.COL LQH43CN101K03L	T	157/63.5
L152	6140004480	COL LR-508		
L153	6140004480	COL LR-508		
L154	6200002041	S.COL NLV25T-101J	T	166.1/67.7
L155	6140003800	COL LR-439		
L156	6200009690	S.COL LQH43CN101K03L	T	167.9/42.7
L157	6200003221	S.COL NLV32T-151J	T	168.8/60.1
L201	6200002041	S.COL NLV25T-101J	T	199/62.4
L202	6200010740	S.COL C2520C-R27G-A	T	190.3/57.3
L203	6200010740	S.COL C2520C-R27G-A	T	186.4/59.1
L204	6140003620	COL LR-403		
L206	6130002961	S.COL #617DB-1327=P3	T	190.5/44.3
L207	6150005130	COL LS-541		
L208	6150004280	COL LS-484B (C-14927)		
L209	6150004280	COL LS-484B (C-14927)		
L210	6150004270	COL LS-483A (C-14924)		
L211	6150004280	COL LS-484B (C-14927)		
L212	6200010680	S.COL C2520C-R22G-A (0.22U)	T	175.3/41.3
L213	6200010680	S.COL C2520C-R22G-A (0.22U)	T	189/49.4
L214	6200002041	S.COL NLV25T-101J	T	184.3/62.6
L215	6200010760	S.COL C2520C-27NG-A	T	175.4/36.3
L216	6200003281	S.COL NLV25T-2R2J	T	193.7/24.5
L217	6200003281	S.COL NLV25T-2R2J	T	190.4/35.5
L301	6200010440	S.COL C2520C-1R2G-A (1.2U)	T	142.5/49.6
L302	6200010440	S.COL C2520C-1R2G-A (1.2U)	T	135.5/50.9
L303	6140002810	COL LR-317	T	133.8/34.8
L304	6140003530	COL LR-395		
L305	6200005011	S.COL NLV25T-100J	T	135.9/54.1
L306	6200009871	S.COL NLV25T-120J	T	135/57
L307	6200003281	S.COL NLV25T-2R2J	T	133.1/25
L308	6200002181	S.COL NLV25T-R12J	T	135.6/29
L401	6150005140	COL LS-542		
L403	6150002291	COL LS-450		
L404	6150005140	COL LS-542		
L405	6150005140	COL LS-542		
L406	6200003520	S.COL ELJFB 102K-F	T	104.6/79.4
L502	6200003520	S.COL ELJFB 102K-F	T	67.6/91.7
L504	6200002041	S.COL NLV25T-101J	T	47.2/94.9
L505	6200002041	S.COL NLV25T-101J	T	44.4/93.2
L506	6200003520	S.COL ELJFB 102K-F	T	40.8/93.9
L601	6200005011	S.COL NLV25T-100J	T	215.2/55.8
L602	6200010730	S.COL C2520C-68NG-A	T	214.6/28
L603	6200010730	S.COL C2520C-68NG-A	T	215/33.2
L604	6200010720	S.COL C2520C-56NG-A	T	209.7/36.3
L605	6200005011	S.COL NLV25T-100J	T	215.3/48.8
L606	6140003820	COL LR-441		
L701	6140002810	S.COL LR-317	T	202.5/52.6
L702	6200010780	S.COL C2520C-1R0G-A	T	202.9/37.8
L703	6200010770	S.COL C2520C-R68G-A	T	201.5/31.9
L704	6200002041	S.COL NLV25T-101J	T	200/18
L705	6200002041	S.COL NLV25T-101J	T	189.2/19.9
L706	6150004270	COL LS-483A (C-14924)		
L707	6140002810	COL LR-317	T	208.9/13.7
L801	6150004440	COL LS-495		
L901	6200002041	S.COL NLV25T-101J	T	39/83.6
L902	6200002041	S.COL NLV25T-101J	T	33.9/86.1
L903	6200002041	S.COL NLV25T-101J	T	36.2/82.8
L904	6180003630	COL EL0607SKI-102J		
L1302	6200005491	S.COL NLV32T-331J	T	115.2/96.3
L1551	6180003630	COL EL0607SKI-102J		
L1552	6180003630	COL EL0607SKI-102J		
L1601	6170000140	COL LW-15		
L1801	6200003950	S.COL HF50ACC 322513-T	T	146.9/10.7
L1802	6200003950	S.COL HF50ACC 322513-T	T	172.5/7.8
L1803	6200002041	S.COL NLV25T-101J	T	146.9/5.4
L1804	6200002041	S.COL NLV25T-101J	T	166.4/14.1
L1805	6200002041	S.COL NLV25T-101J	T	163.9/17.2
L1901	6200002041	S.COL NLV25T-101J	T	123.2/112
L1902	6200002041	S.COL NLV25T-101J	T	127.5/107
L1903	6200002041	S.COL NLV25T-101J	T	141.5/107.1
L1904	6200003950	S.COL HF50ACC 322513-T	T	124.4/106.2
L1905	6200002041	S.COL NLV25T-101J	T	95.9/92.8
L1906	6140002220	COL LR-270 (TR6X3X2 3A9)		
L1907	6200003950	S.COL HF50ACC 322513-T	T	18.5/5.7
L1908	6200003950	S.COL HF50ACC 322513-T	T	120.5/102.3
L1909	6200005011	S.COL NLV25T-100J	T	109.7/11.4
L1911	6200003261	S.COL NLV32T-101J	T	135.7/106.2
L1912	6200003261	S.COL NLV32T-101J	T	99.5/111.1
L1916	6200003261	S.COL NLV32T-101J	T	116.7/111.1
L1917	6200003261	S.COL NLV32T-101J	T	128/101.3
L2051	6200003950	S.COL HF50ACC 322513-T	T	56.5/14.1

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REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
L2052	6200002041	S.COL NLV25T-101J	T	46/12.6
L2053	6200002041	S.COL NLV25T-101J	T	44.6/9.5
L2054	6200003950	S.COL HF50ACC 322513-T	T	51.6/12.6
L2055	6180003620	COL ELC09D 102F 1M		
L3301	6200001831	S.COL NLV32T-100J	T	120.8/12.5
L3601	6200003950	S.COL HF50ACC 322513-T	T	101/9.2
L3602	6200003950	S.COL HF50ACC 322513-T	T	101/3.7
R1	7030003230	S.RES ERJ3GEYJ 180 V (18)	T	202.9/107.2
R2	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	202.9/111.5
R3	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	201.6/111.5
R4	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	193/106.5
R5	7030003230	S.RES ERJ3GEYJ 180 V (18)	T	187.4/111.2
R6	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	189.2/111.8
R7	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	187.4/112.5
R51	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	182.3/109.2
R52	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	186.7/108.6
R53	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	187.4/106.8
R54	7030003430	S.RES ERJ3GEYJ 821 V (820)	T	168.7/102
R56	7030003360	S.RES ERJ3GEYJ 221 V (220)	T	180.4/107.1
R57	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	182.3/107.9
R58	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	185.9/106.8
R59	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	164/106.9
R60	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	160.6/107.6
R61	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	151.1/107.6
R101	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	154.3/75.3
R102	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	161.3/77.1
R103	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	168.4/79.3
R104	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	175.3/73.7
R105	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	185/78.4
R106	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	197.5/81.2
R107	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	206.7/72.7
R108	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	214.5/72.7
R109	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	152/80.4
R110	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	173.8/67.8
R111	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	155.1/70
R112	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	156.6/67.8
R113	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	152.5/46.6
R114	7030003280	S.RES ERJ3GEYJ 470 V (47)	T	150.1/42.1
R115	7030003280	S.RES ERJ3GEYJ 470 V (47)	T	155.5/60.5
R116	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	168.6/62.9
R117	7030003490	S.RES ERJ3GEYJ 272 V (2.7 k)	T	167.2/62.9
R118	7030003490	S.RES ERJ3GEYJ 272 V (2.7 k)	T	156.5/43.1
R119	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	156.1/46.6
R120	7030003390	S.RES ERJ3GEYJ 391 V (390)	T	168.3/38.7
R121	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	167/47.3
R122	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	163.2/69.8
R123	7030003380	S.RES ERJ3GEYJ 331 V (330)	T	147.5/52
R124	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	152.5/70
R125	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	154/67.8
R126	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	176.9/67.8
R127	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	160.6/69.8
R128	7030003380	S.RES ERJ3GEYJ 331 V (330)	T	145.7/51.2
R129	7030003380	S.RES ERJ3GEYJ 331 V (330)	T	145.7/48.6
R130	7030003500	S.RES ERJ3GEYJ 332 V (3.3 k)	T	212.3/97.9
R131	7030003860	S.RES ERJ3GE JPW V	T	148.5/43.3
R136	7030003280	S.RES ERJ3GEYJ 470 V (47)	T	162.8/60
R137	7030003280	S.RES ERJ3GEYJ 470 V (47)	T	161.1/46.2
R201	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	195.6/63.5
R202	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	186.9/62.8
R203	7030004040	S.RES ERJ3GEYJ 4R7 V (4.7)	T	189.7/37.4
R204	7030003410	S.RES ERJ3GEYJ 561 V (560)	T	182.9/55.1
R205	7030003410	S.RES ERJ3GEYJ 561 V (560)	T	181.5/55.1
R206	7030003410	S.RES ERJ3GEYJ 561 V (560)	T	176.1/55
R207	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	205.4/29.7
R208	7030003280	S.RES ERJ3GEYJ 470 V (47)	T	180.8/34.7
R209	7030003200	S.RES ERJ3GEYJ 100 V (10)	T	159.3/27
R210	7030005691	S.RES ERA3YED 123V (12 k)	T	161.2/23.4
R211	7030003470	S.RES ERJ3GEYJ 182 V (1.8 k)	T	157.9/22.7
R212	7030003800	S.RES ERJ3GEYJ 105 V (1 M)	T	154.3/28.7
R213	7030003300	S.RES ERJ3GEYJ 680 V (68)	T	154.5/22.6
R214	7030003480	S.RES ERJ3GEYJ 222 V (2.2 k)	T	153.8/25.6
R215	7030003200	S.RES ERJ3GEYJ 100 V (10)	T	146.8/33.4
R216	7030003410	S.RES ERJ3GEYJ 561 V (560)	T	178.7/55
R217	7310002720	S.TRI RV-148 (RH03A3AS3X0DA) 472	T	176.8/50.9
R218	7310002720	S.TRI RV-148 (RH03A3AS3X0DA) 472	T	183.5/50.9
R219	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	176.9/44
R220	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	188.4/51.8
R221	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	196.3/61.3
R222	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	190.4/31.4
R223	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	169.8/32.5
R224	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	153.6/33.7
R225	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	187.4/34.9
R226	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	186.9/16.7
R227	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	193.2/28.8
R228	7030003860	S.RES ERJ3GE JPW V	T	182/58.6
R229	7030003860	S.RES ERJ3GE JPW V	T	150.3/32.5
R231	7030000010	S.RES MCR10EZHH JPW (000)	T	186.8/37.2
R301	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	144.9

[MAIN UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
R405	7030003490	S.RES ERJ3GEYJ 272 V (2.7 k)	T	132.7/80
R406	7030003760	S.RES ERJ3GEYJ 474 V (470 k)	T	132.9/83.8
R407	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	126.2/81.3
R408	7030003360	S.RES ERJ3GEYJ 221 V (220)	T	131/84.5
R409	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	132.3/85.8
R410	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	98/88.9
R413	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	81.5/89.2
R414	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	105.9/84.1
R415	7030003480	S.RES ERJ3GEYJ 222 V (2.2 k)	T	64.1/98.5
R502	7030003690	S.RES ERJ3GEYJ 124 V (120 k)	T	66.7/95.2
R503	7030003580	S.RES ERJ3GEYJ 153 V (15 k)	T	68.6/96
R504	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	70.1/98.4
R505	7030003430	S.RES ERJ3GEYJ 821 V (820)	T	73.9/93.3
R506	7030003400	S.RES ERJ3GEYJ 471 V (470)	T	70.1/92.5
R507	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	61.5/97.5
R508	7510001461	S.TMR NTCG16 3NH 471JT	T	73.9/94.6
R514	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	44.1/95.1
R515	7030005691	S.RES ERA3YED 123V (12 k)	T	66.7/96.5
R601	7030007860	S.RES ERJ3GEYJ 8R2V (8.2)	T	209.9/27.2
R602	7030003340	S.RES ERJ3GEYJ 151 V (150)	T	209.9/28.6
R603	7030007860	S.RES ERJ3GEYJ 8R2V (8.2)	T	211.8/29.4
R604	7030004040	S.RES ERJ3GEYJ 4R7 V (4.7)	T	215/53.2
R605	7030003280	S.RES ERJ3GEYJ 470 V (47)	T	207.9/41.7
R606	7030005280	S.RES ERJ3GEYJ 6R8V (6.8)	T	207.9/44.9
R607	7030003420	S.RES ERJ3GEYJ 681 V (680)	T	212.2/50.7
R608	7030003420	S.RES ERJ3GEYJ 681 V (680)	T	209/51.5
R609	7030003390	S.RES ERJ3GEYJ 391 V (390)	T	207.4/52.9
R610	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	206.8/29.2
R611	7030003230	S.RES ERJ3GEYJ 180 V (18)	T	209.8/60.9
R612	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	207.9/60.1
R613	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	207.9/61.6
R701	7030003360	S.RES ERJ3GEYJ 221 V (220)	T	203.3/48.3
R702	7030003410	S.RES ERJ3GEYJ 561 V (560)	T	199.5/48.4
R703	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	205.3/42.9
R704	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	T	205.4/45.6
R705	7030003360	S.RES ERJ3GEYJ 221 V (220)	T	199.4/42.7
R706	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	202.9/42
R707	7510001461	S.TMR NTCG16 3NH 471JT	T	201.6/42
R708	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	211.1/18.4
R709	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	205.8/18.4
R710	7030003360	S.RES ERJ3GEYJ 221 V (220)	T	200.1/20.5
R711	7030003400	S.RES ERJ3GEYJ 471 V (470)	T	200.8/14.6
R712	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	189.6/12.6
R713	7030003300	S.RES ERJ3GEYJ 680 V (68)	T	214.4/15.3
R714	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	213.4/12.9
R715	7030003230	S.RES ERJ3GEYJ 180 V (18)	T	187/11.5
R716	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	186.4/12.8
R717	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	213.4/18.7
R718	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	215.7/15.3
R719	7030003280	S.RES ERJ3GEYJ 470 V (47)	T	198.3/52
R720	7030003550	S.RES ERJ3GEYJ 822 V (8.2 k)	T	200.8/12.7
R722	7510001461	S.TMR NTCG16 3NH 471JT	T	199.5/45.5
R723	7030003860	S.RES ERJ3GE JPW V	T	206.3/37.8
R801	7030003480	S.RES ERJ3GEYJ 222 V (2.2 k)	T	111.9/78.5
R802	7030003240	S.RES ERJ3GEYJ 220 V (22)	T	111.1/84.2
R803	7030003360	S.RES ERJ3GEYJ 221 V (220)	T	110.5/81.1
R804	7030003400	S.RES ERJ3GEYJ 471 V (470)	T	107.2/77
R813	7030003600	S.RES ERJ3GEYJ 223 V (22 k)	T	107.9/81.5
R814	7030003700	S.RES ERJ3GEYJ 154 V (150 k)	T	107.2/83.3
R901	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	35.7/79.5
R902	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	35.5/74.3
R903	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	38.8/79.7
R904	7030003280	S.RES ERJ3GEYJ 470 V (47)	T	34.3/82.4
R910	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	33.5/84.2
R911	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	73.6/90.6
R1002	7030003400	S.RES ERJ3GEYJ 471 V (470)	T	32.9/43.4
R1003	7030003400	S.RES ERJ3GEYJ 471 V (470)	T	37.4/36.8
R1004	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	30.6/35.6
R1005	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	35.4/35.5
R1006	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	22.3/35.3
R1007	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	17.1/35.3
R1008	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	27.5/35.3
R1009	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	16.9/45.1
R1010	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	17.9/37.2
R1011	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	23.5/44.6
R1012	7030003860	S.RES ERJ3GE JPW V	T	25.4/43.8
R1013	7030003860	S.RES ERJ3GE JPW V	T	130.1/39.3
R1014	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	23.5/45.9
R1015	7030003650	S.RES ERJ3GEYJ 563 V (56 k)	T	20.9/44.6
R1016	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	20.9/45.5
R1017	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	27.5/33.4
R1018	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	21.1/32
R1019	7030003860	S.RES ERJ3GE JPW V	T	130.1/40.6
R1051	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	16.9/30.8
R1052	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	28.1/20.8
R1053	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	26.5/31.6
R1054	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	13.4/20.8
R1055	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	14.7/21.9
R1057	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	23.8/20.2
R1058	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	18.1/20.1
R1059	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	18.6/21.9
R1060	7030005871	S.RES ERA3YKD 104V (100 k)	T	24.3/22
R1101	7030005871	S.RES ERA3YKD 104V (100 k)	T	26.8/81.8
R1102	7030009591	S.RES ERA3YED 472V (4.7 k)	T	26/80
R1105	7030003500	S.RES ERJ3GEYJ 332 V (3.3 k)	T	20.8/80
R1107	7030003800	S.RES ERJ3GEYJ 105 V (1 M)	T	25.6/81.8
R1109	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	23/86.8
R1110	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	16.4/80.7
R1111	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	26.9/84.4
R1113	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	25.6/84.4
R1201	7030003860	S.RES ERJ3GE JPW V	T	62.9/13.7
R1202	7030003760	S.RES ERJ3GEYJ 474 V (470 k)	T	69.7/6.4
R1203	7030003760	S.RES ERJ3GEYJ 474 V (470 k)	T	67.4/7.3
R1204	7030003860	S.RES ERJ3GE JPW V	T	70.2/30.3

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REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
R1205	70300005871	S.RES ERA3YKD 104V (100 k)	T	64.7/22.5
R1206	7030003760	S.RES ERJ3GEYJ 474 V (470 k)	T	64.7/23.8
R1207	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	72.3/6.4
R1208	7030003610	S.RES ERJ3GEYJ 273 V (27 k)	T	73.4/18.7
R1209	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	T	73.4/21.3
R1210	7030009591	S.RES ERA3YED 472V (4.7 k)	T	71.5/30.3
R1211	70300005871	S.RES ERA3YKD 104V (100 k)	T	69.2/12.4
R1212	7030003740	S.RES ERJ3GEYJ 334 V (330 k)	T	46.2/27.5
R1213	70300005871	S.RES ERA3YKD 104V (100 k)	T	70.9/28.4
R1214	7030003730	S.RES ERJ3GEYJ 274 V (270 k)	T	67.6/29.1
R1215	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	T	71.6/15.5
R1216	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	T	71.6/14.2
R1217	7030003740	S.RES ERJ3GEYJ 334 V (330 k)	T	69/14.2
R1218	7030003630	S.RES ERJ3GEYJ 393 V (39 k)	T	68.9/29.1
R1219	7030003800	S.RES ERJ3GEYJ 105 V (1 M)	T	66.4/16.6
R1220	7030003840	S.RES ERJ3GEYJ 225 V (2.2 M)	T	71.6/16.8
R1221	7030003840	S.RES ERJ3GEYJ 225 V (2.2 M)	T	70.9/25.8
R1222	7030003400	S.RES ERJ3GEYJ 471 V (470)	T	65.9/15.3
R1223	7030003480	S.RES ERJ3GEYJ 222 V (2.2 k)	T	48.1/18.2
R1224	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	72.1/19.5
R1225	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	67.7/25.8
R1226	7030003360	S.RES ERJ3GEYJ 221 V (220)	T	46.5/16.3
R1228	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	61.5/22.4
R1230	7030003800	S.RES ERJ3GEYJ 105 V (1 M)	T	65.6/10.9
R1232	7030003400	S.RES ERJ3GEYJ 105 V (1 M)	T	45.5/18.2
R1233	7030003760	S.RES ERJ3GEYJ 474 V (470 k)	T	64.7/21.2
R1234	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	61.8/26.4
R1235	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	63.3/27.7
R1236	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	59.6/28.5
R1237	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	63.8/29.7
R1238	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	65.6/29.3
R1240	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	69.7/7.7
R1301	7030008240	S.RES ERJ12Y0R00U	T	145.5/83.7
R1303	7030003200	S.RES ERJ3GEYJ 100 V (10)	T	87/14.4
R1304	7030003200	S.RES ERJ3GEYJ 100 V (10)	T	85.7/14.4
R1305	7030003200	S.RES ERJ3GEYJ 100 V (10)	T	84.4/14.4
R1306	7030003200	S.RES ERJ3GEYJ 100 V (10)	T	83.1/14.4
R1307	7030003200	S.RES ERJ3GEYJ 100 V (10)	T	81.8/14.4
R1308	7030003200	S.RES ERJ3GEYJ 100 V (10)	T	80.5/14.4
R1309	7030004040	S.RES ERJ3GEYJ 4R7 V (4.7)	T	74.6/27.1
R1310	7030003500	S.RES ERJ3GEYJ 332 V (3.3 k)	T	147.9/98.8
R1311	7030003500	S.RES ERJ3GEYJ 332 V (3.3 k)	T	155.5/97.1
R1312	7030003500	S.RES ERJ3GEYJ 332 V (3.3 k)	T	163.9/96.5
R1313	7030003500	S.RES ERJ3GEYJ 332 V (3.3 k)	T	181.5/96.7
R1314	7030003500	S.RES ERJ3GEYJ 332 V (3.3 k)	T	182.4/98.6
R1315	7030003500	S.RES ERJ3GEYJ 332 V (3.3 k)	T	190.1/97
R1316	7030003500	S.RES ERJ3GEYJ 332 V (3.3 k)	T	196.9/97.5
R1317	7030003500	S.RES ERJ3GEYJ 332 V (3.3 k)	T	204.2/97.5
R1318	7030004040	S.RES ERJ3GEYJ 4R7 V (4.7)	T	147.5/78.4
R1319	7030008240	S.RES ERJ12Y0R00U	T	132.1/95.9
R1501	7030008190	S.RES ERJ12YJ330U (33)	T	79.9/110.2
R1502	7030004040	S.RES ERJ3GEYJ 4R7 V (4.7)	T	37.3/93.7
R1503	7030004040	S.RES ERJ3GEYJ 4R7 V (4.7)	T	38.5/102.2
R1504	7030003380	S.RES ERJ3GEYJ 331 V (330)	T	33.8/96.1
R1505	7030003380	S.RES ERJ3GEYJ 331 V (330)	T	34.8/106.2
R1506	7030003380	S.RES ERJ3GEYJ 331 V (330)	T	145.8/105.9
R1507	7030003380	S.RES ERJ3GEYJ 331 V (330)	T	34.5/98
R1508	7030004040	S.RES ERJ3GEYJ 4R7 V (4.7)	T	147.2/105.9
R1509	7030003380	S.RES ERJ3GEYJ 331 V (330)	T	35.1/96.1
R1510	7030003380	S.RES ERJ3GEYJ 331 V (330)	T	35.6/108.1
R1511	7030003380	S.RES ERJ3GEYJ 331 V (330)	T	36.3/106.2
R1512	7030003380	S.RES ERJ3GEYJ 331 V (330)	T	144/106.6
R1513	7030003380	S.RES ERJ3GEYJ 331 V (330)	T	144/105.3
R1514	7030010660	S.RES ERJ1TYJ 6R8U (6.8)	T	64.1/111.4
R1515	7030003630	S.RES ERJ3GEYJ 393 V (39 k)	T	96.7/95.1
R1516	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	T	95.4/97.3
R1551	7030006220	S.RES ERJ12YJ470U (47)	T	20.3/102.2
R1553	7030006220	S.RES ERJ12YJ470U (47)	T	3.8/98.3
R1555	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	7.3/101
R1556	7030003720	S.RES ERJ3GEYJ 224 V (220 k)	T	9.1/101.8
R1601	7030003400	S.RES ERJ3GEYJ 471 V (470)	T	17.2/8.6
R1602	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	6.2/79.7
R1603	7030009591	S.RES ERA3YED 472V (4.7 k)	T	4.2/3.5
R1606	7030003400	S.RES ERJ3GEYJ 471 V (470)	T	8.8/76.8
R1607	7030003400	S.RES ERJ3GEYJ 471 V (470)	T	14.3/80.2
R1612	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	54.5/47.5
R1651	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	23.6/77.7
R1652	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	24.9/77.7
R1653	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	19.3/66.1
R1654	7030003860	S.RES ERJ3GE JPW V	T	20.6/67.4
R1655	7030003480	S.RES ERJ3GEYJ 222 V (2.2 k)	T	21.9/66.1
R1656	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	23.2/67.4
R1657	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	25/66.8
R1658	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	26.9/66.2
R1659	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	28.7/66.7
R1660	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	16.7/75.3
R1661	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	26.9/68.8
R1662	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	19.7/76.7
R1701	7030003860	S.RES ERJ3GE JPW V	T	13.7/56.8
R1706	7030003580	S.RES ERJ3GEYJ 153 V (15 k)	T	11.7/46.3
R1707	7030003380	S.RES ERJ3GEYJ 331 V (330)	T	88.3/13.3
R1709	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	22.4/53.3
R1710	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	22.9/51.4
R1711	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	16.7/63.2
R1712	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	27/53.8
R1713	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	20.5/63.9
R1715	7030003550	S.RES ERJ3GEYJ 822 V (8.2 k)	T	21.8/62.6
R1716	7030003480	S.RES ERJ3GEYJ 222 V (2.2 k)	T	23.1/63.9
R1717	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	24.4/62.6
R1718	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	26.3/63.3
R1719	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	31.4/62.4
R1720	7030003400	S.RES ERJ3GEYJ 471 V (470)	T	34.7/64.4
R1721	7030003400	S.RES ERJ3GEYJ 471 V (470)	T	31.3/70.1
R1722	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	33.9/68.8

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REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
R1723	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	34.7/67
R1724	7030009591	S.RES ERA3YED 472V (4.7 k)	T	118/4.5
R1801	7030003500	S.RES ERJ3GEYJ 332 V (3.3 k)	T	153.6/14.5
R1802	7030003500	S.RES ERJ3GEYJ 332 V (3.3 k)	T	155.2/14.6
R1803	7030003500	S.RES ERJ3GEYJ 332 V (3.3 k)	T	156.7/14.5
R1804	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	160.6/15.1
R1805	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	142.1/20.4
R1902	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	137.9/107.5
R2001	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	31.9/11.3
R2002	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	33.2/11.3
R2003	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	44.8/21.2
R2004	7030003860	S.RES ERJ3GE JPW V	T	45.7/14.5
R3001	7030003460	S.RES ERJ3GEYJ 152 V (1.5 k)	T	96.6/73.6
R3002	7030003460	S.RES ERJ3GEYJ 152 V (1.5 k)	T	90.1/74.1
R3003	7030003360	S.RES ERJ3GEYJ 221 V (220)	T	53.1/66.8
R3004	7030003360	S.RES ERJ3GEYJ 221 V (220)	T	55/67.5
R3006	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	101.8/31.6
R3007	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	88.4/70
R3008	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	90.5/70.1
R3009	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	91.8/70
R3010	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	94.9/90.1
R3011	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	96.2/70.1
R3012	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	54.5/50.1
R3013	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	T	56.3/67.5
R3014	7030003800	S.RES ERJ3GEYJ 105 V (1 M)	T	52.6/49.8
R3015	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	T	57.6/67.5
R3016	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	T	60.4/32.3
R3017	7030003360	S.RES ERJ3GEYJ 221 V (220)	T	67.4/60.3
R3019	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	120.4/71.9
R3020	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	T	118.7/73.6
R3021	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	T	63.9/60.3
R3023	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	90.3/25.3
R3024	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	89/25.3
R3025	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	T	94.8/31.9
R3026	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	T	92.1/32.5
R3031	7030003600	S.RES ERJ3GEYJ 223 V (22 k)	T	116.7/30.8
R3032	7030009591	S.RES ERA3YED 472V (4.7 k)	T	120.7/30.8
R3033	7030003580	S.RES ERJ3GEYJ 153 V (15 k)	T	118.8/32.8
R3034	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	T	120.7/32.1
R3050	7030005691	S.RES ERA3YED 123V (12 k)	T	83.9/77.6
R3051	7030009591	S.RES ERA3YED 472V (4.7 k)	T	85.8/76.8
R3052	7030005871	S.RES ERA3YKD 104V (100 k)	T	87.1/76.8
R3101	7030008190	S.RES ERJ12YJ330U (33)	T	141.9/3.8
R3201	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	T	84.2/42.9
R3202	7030005871	S.RES ERA3YKD 104V (100 k)	T	107.6/27.4
R3203	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	60.3/37.8
R3204	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	T	97.4/5.9
R3301	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	95.4/64.2
R3302	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	96.4/65.5
R3303	7030003650	S.RES ERJ3GEYJ 563 V (56 k)	T	57.8/57.1
R3304	7030003650	S.RES ERJ3GEYJ 563 V (56 k)	T	57.2/55.3
R3305	7030003720	S.RES ERJ3GEYJ 224 V (220 k)	T	68.3/54.7
R3306	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	98.4/72
R3307	7030003360	S.RES ERJ3GEYJ 221 V (220)	T	78.6/62
R3308	7030003360	S.RES ERJ3GEYJ 221 V (220)	T	80.9/62.2
R3309	7030003360	S.RES ERJ3GEYJ 221 V (220)	T	74.9/61.7
R3310	7030003360	S.RES ERJ3GEYJ 221 V (220)	T	74.9/60.4
R3311	7030003360	S.RES ERJ3GEYJ 221 V (220)	T	74.9/59.1
R3313	7030005871	S.RES ERA3YKD 104V (100 k)	T	98.3/35.1
R3314	7030005871	S.RES ERA3YKD 104V (100 k)	T	118.1/14
R3315	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	113.4/25.6
R3316	7030003720	S.RES ERJ3GEYJ 224 V (220 k)	T	112.2/70.1
R3317	7030003720	S.RES ERJ3GEYJ 224 V (220 k)	T	113.5/70.1
R3318	7030003720	S.RES ERJ3GEYJ 224 V (220 k)	T	114.8/70.1
R3319	7030003720	S.RES ERJ3GEYJ 224 V (220 k)	T	116.1/70.1
R3320	7030003720	S.RES ERJ3GEYJ 224 V (220 k)	T	107/70.1
R3321	7030003720	S.RES ERJ3GEYJ 224 V (220 k)	T	108.3/70.1
R3322	7030003720	S.RES ERJ3GEYJ 224 V (220 k)	T	109.6/70.1
R3323	7030003720	S.RES ERJ3GEYJ 224 V (220 k)	T	110.9/70.1
R3324	7030003720	S.RES ERJ3GEYJ 224 V (220 k)	T	105.7/70.1
R3325	7030003720	S.RES ERJ3GEYJ 224 V (220 k)	T	104.4/70.1
R3326	7030003720	S.RES ERJ3GEYJ 224 V (220 k)	T	117.4/70.1
R3327	7030003720	S.RES ERJ3GEYJ 224 V (220 k)	T	103.1/70.1
R3328	7030003720	S.RES ERJ3GEYJ 224 V (220 k)	T	101.8/70.1
R3329	7030003720	S.RES ERJ3GEYJ 224 V (220 k)	T	100.5/70.1
R3330	7030003720	S.RES ERJ3GEYJ 224 V (220 k)	T	114.4/36.5
R3331	7030003720	S.RES ERJ3GEYJ 224 V (220 k)	T	110.5/37.6
R3332	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	T	87.1/32.4
R3333	7030003360	S.RES ERJ3GEYJ 221 V (220)	T	87.6/30.6
R3334	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	T	89/31.7
R3335	7030003360	S.RES ERJ3GEYJ 221 V (220)	T	90.3/31.7
R3336	7030003360	S.RES ERJ3GEYJ 221 V (220)	T	92.6/36.1
R3337	7030003360	S.RES ERJ3GEYJ 221 V (220)	T	93.9/36.1
R3339	7030003720	S.RES ERJ3GEYJ 224 V (220 k)	T	95.2/35.1
R3340	7030003360	S.RES ERJ3GEYJ 221 V (220)	T	99.6/36
R3341	7030003720	S.RES ERJ3GEYJ 224 V (220 k)	T	67.6/56.6
R3342	7030003760	S.RES ERJ3GEYJ 474 V (470 k)	T	65.7/55.8
R3343	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	64.4/58.4
R3344	7030005871	S.RES ERA3YKD 104V (100 k)	T	64.4/55.8
R3345	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	T	83/53.3
R3346	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	69.2/60.1
R3347	7030005871	S.RES ERA3YKD 104V (100 k)	T	57.8/59.3
R3348	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	T	100.9/36
R3349	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	97/35.1
R3350	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	T	96.7/31.5
R3402	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	113.5/73.6
R3403	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	114.8/73.6
R3407	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	109.6/73.6
R3408	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	110.9/73.6
R3409	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	105.7/73.6
R3601	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	T	119.1/65.4
R3604	7030003640	S.RES ERJ3GEYJ 473 V (47 k)	T	110.1/10.3
R3605	7030003580	S.RES ERJ3GEYJ 153 V (15 k)	T	104.6/14.8

[MAIN UNIT]

REF NO.	ORDER NO.	DESCRIPTION		M.	H/V LOCATION	
R3606	7030003640	S.RES	ERJ3GEYJ 473 V (47 k)	T	107.1/11.5	
R3608	7030003640	S.RES	ERJ3GEYJ 473 V (47 k)	T	89.5/29.8	
R3609	7030003640	S.RES	ERJ3GEYJ 473 V (47 k)	T	48.2/34.4	
R3610	7030003640	S.RES	ERJ3GEYJ 473 V (47 k)	T	46.7/33.1	
R3611	7030003640	S.RES	ERJ3GEYJ 473 V (47 k)	T	48.2/31.8	
R3613	7030003640	S.RES	ERJ3GEYJ 473 V (47 k)	T	119.1/41.5	
R3614	7030003360	S.RES	ERJ3GEYJ 221 V (220)	T	119.1/58.4	
R3615	7030003360	S.RES	ERJ3GEYJ 221 V (220)	T	119.1/55.8	
R3616	7030003360	S.RES	ERJ3GEYJ 221 V (220)	T	119.1/62.8	
R3617	7030003360	S.RES	ERJ3GEYJ 221 V (220)	T	119.1/57.1	
R3618	7030003360	S.RES	ERJ3GEYJ 221 V (220)	T	119.1/37.6	
R3619	7030003360	S.RES	ERJ3GEYJ 221 V (220)	T	119.1/48	
R3620	7030003360	S.RES	ERJ3GEYJ 221 V (220)	T	119.1/51.9	
R3621	7030003360	S.RES	ERJ3GEYJ 221 V (220)	T	119.1/50.6	
R3622	7030003360	S.RES	ERJ3GEYJ 221 V (220)	T	119.1/49.3	
R3623	7030003360	S.RES	ERJ3GEYJ 221 V (220)	T	119.1/44.1	
R3625	7030003640	S.RES	ERJ3GEYJ 473 V (47 k)	T	119.1/59.7	
R3626	7030003640	S.RES	ERJ3GEYJ 473 V (47 k)	T	119.1/53.2	
R3627	7030003640	S.RES	ERJ3GEYJ 473 V (47 k)	T	119.1/54.5	
R3628	7030003640	S.RES	ERJ3GEYJ 473 V (47 k)	T	119.1/46.7	
R3629	7030003640	S.RES	ERJ3GEYJ 473 V (47 k)	T	119.1/45.4	
R3640	7030003600	S.RES	ERJ3GEYJ 223 V (22 k)	T	98.2/107	
R3643	7030005691	S.RES	ERA3YED 123V (12 k)	T	98.3/104.4	
R3801	7030003400	S.RES	ERJ3GEYJ 471 V (470)	T	50.5/77.4	
R3803	7030003720	S.RES	ERJ3GEYJ 224 V (220 k)	T	105.9/60.3	
R3804	7030003720	S.RES	ERJ3GEYJ 224 V (220 k)	T	106.8/62.5	
R3805	7030003720	S.RES	ERJ3GEYJ 224 V (220 k)	T	63.8/70.2	
R3806	7030003720	S.RES	ERJ3GEYJ 224 V (220 k)	T	62.5/70.2	
R3807	7030003720	S.RES	ERJ3GEYJ 224 V (220 k)	T	65.3/68	
R3808	7030003720	S.RES	ERJ3GEYJ 224 V (220 k)	T	66.6/68	
R3809	7030003720	S.RES	ERJ3GEYJ 224 V (220 k)	T	67.9/68	
R3810	7030003720	S.RES	ERJ3GEYJ 224 V (220 k)	T	69.2/68	
R3811	7030003720	S.RES	ERJ3GEYJ 224 V (220 k)	T	70.5/68	
R3812	7030003720	S.RES	ERJ3GEYJ 224 V (220 k)	T	113.1/36.5	
R3813	7030003720	S.RES	ERJ3GEYJ 224 V (220 k)	T	109.6/31.4	
R3814	7030003720	S.RES	ERJ3GEYJ 224 V (220 k)	T	107/31.4	
R3815	7030003720	S.RES	ERJ3GEYJ 224 V (220 k)	T	105.7/31.4	
R3816	7030003480	S.RES	ERJ3GEYJ 222 V (2.2 k)	T	61.6/62.6	
R3817	7030003720	S.RES	ERJ3GEYJ 224 V (220 k)	T	71.8/68	
R3818	7030003400	S.RES	ERJ3GEYJ 471 V (470)	T	63.8/77	
R3819	7030003400	S.RES	ERJ3GEYJ 471 V (470)	T	63.8/75.7	
R3820	7030003400	S.RES	ERJ3GEYJ 471 V (470)	T	66.2/79.6	
R3821	7030003400	S.RES	ERJ3GEYJ 471 V (470)	T	73.2/76.1	
R3823	7030003860	S.RES	ERJ3GE JPW V			
[OTH], [EXP] only					T	111.8/37.6
R3905	7030003640	S.RES	ERJ3GEYJ 473 V (47 k)	T	86.9/34.3	
R3915	7030003360	S.RES	ERJ3GEYJ 221 V (220)	T	92/1.9	
R3916	7030003360	S.RES	ERJ3GEYJ 221 V (220)	T	91.7/11.9	
R3917	7030003360	S.RES	ERJ3GEYJ 221 V (220)	T	96.4/2.5	
R3918	7030003360	S.RES	ERJ3GEYJ 221 V (220)	T	93/10.4	
R3919	7030003360	S.RES	ERJ3GEYJ 221 V (220)	T	96.1/4.4	
R3920	7030003360	S.RES	ERJ3GEYJ 221 V (220)	T	94.3/9.9	
R3921	7030003360	S.RES	ERJ3GEYJ 221 V (220)	T	84.2/38.8	
C1	4030007110	S.CER	C1608 CH 1H 680J-T	T	200.3/111.5	
C2	4030007120	S.CER	C1608 CH 1H 820J-T	T	200.1/106.4	
C3	4030007150	S.CER	C1608 CH 1H 151J-T	T	199/111.5	
C4	4030007050	S.CER	C1608 CH 1H 220J-T	T	194.3/107.2	
C5	4030007120	S.CER	C1608 CH 1H 820J-T	T	197.7/111.5	
C6	4030011600	S.CER	C1608 JB 1E 104K-T	T	192/108.4	
C7	4030011600	S.CER	C1608 JB 1E 104K-T	T	196.4/111.5	
C8	4030011600	S.CER	C1608 JB 1E 104K-T	T	192/104.7	
C9	4030011600	S.CER	C1608 JB 1E 104K-T	T	188.5/109.9	
C10	4030011600	S.CER	C1608 JB 1E 104K-T	T	185.9/109.9	
C11	4030011600	S.CER	C1608 JB 1E 104K-T	T	179.6/111.8	
C12	4030011600	S.CER	C1608 JB 1E 104K-T	T	163.2/105	
C54	4030011600	S.CER	C1608 JB 1E 104K-T	T	165.4/106.4	
C56	4030018620	S.CER	C1608 CH 1H 222J-T	T	168.7/103.7	
C57	4030018640	S.CER	C2012 CH 1H 103J-T	T	169.5/106.1	
C59	4030018590	S.CER	C1608 CH 1H 122J-T	T	172.4/102.7	
C61	4030018640	S.CER	C2012 CH 1H 103J-T	T	172.2/104.3	
C62	4030018620	S.CER	C1608 CH 1H 222J-T	T	174.8/105.3	
C63	4030018640	S.CER	C2012 CH 1H 103J-T	T	172.2/106	
C64	4030011600	S.CER	C1608 JB 1E 104K-T	T	148.4/111.5	
C65	4030011600	S.CER	C1608 JB 1E 104K-T	T	184.7/104.8	
C66	4030011600	S.CER	C1608 JB 1E 104K-T	T	149.9/111.5	
C67	4030011600	S.CER	C1608 JB 1E 104K-T	T	151.3/111.4	
C68	4030011600	S.CER	C1608 JB 1E 104K-T	T	162.6/106.9	
C69	4030018640	S.CER	C2012 CH 1H 103J-T	T	172.2/107.8	
C101	4030011600	S.CER	C1608 JB 1E 104K-T	T	136.9/101.9	
C102	4030011600	S.CER	C1608 JB 1E 104K-T	T	138.2/101.8	
C103	4030011600	S.CER	C1608 JB 1E 104K-T	T	139.5/101.8	
C104	4030011600	S.CER	C1608 JB 1E 104K-T	T	140.8/101.8	
C105	4030011600	S.CER	C1608 JB 1E 104K-T	T	142.1/101.8	
C106	4030011600	S.CER	C1608 JB 1E 104K-T	T	143.4/101.9	
C107	4030011600	S.CER	C1608 JB 1E 104K-T	T	144.7/101.8	
C108	4030011600	S.CER	C1608 JB 1E 104K-T	T	212.3/99.2	
C109	4030018610	S.CER	C1608 CH 1H 182J-T	T	149.4/92.1	
C110	4030018600	S.CER	C1608 CH 1H 152J-T	T	155.4/92.2	
C111	4030017800	S.CER	C1608 CH 1H 561J-T	T	164/94.1	
C112	4030017870	S.CER	C1608 CH 1H 681J-T	T	173.7/95.9	
C113	4030011340	S.CER	C1608 CH 1H 471J-T	T	185.1/91.9	
C114	4030007160	S.CER	C1608 CH 1H 181J-T	T	191.2/93.4	
C115	4030007170	S.CER	C1608 CH 1H 221J-T	T	201/88.8	
C116	4030007130	S.CER	C1608 CH 1H 101J-T	T	208.2/90.3	
C117	4030007150	S.CER	C1608 CH 1H 151J-T	T	215.9/93.7	
C118	4030011280	S.CER	C1608 CH 1H 271J-T	T	164/93.2	
C119	4030007140	S.CER	C1608 CH 1H 121J-T	T	154.4/89.4	
C120	4030007150	S.CER	C1608 CH 1H 151J-T	T	159.2/91.4	
C121	4030007090	S.CER	C1608 CH 1H 470J-T	T	176.1/89.7	
C122	4030007070	S.CER	C1608 CH 1H 330J-T	T	188.3/91.1	
C123	4030007070	S.CER	C1608 CH 1H 330J-T	T	198.7/88.2	
C124	4030007090	S.CER	C1608 CH 1H 470J-T	T	202.9/87.9	
C125	4030007050	S.CER	C1608 CH 1H 220J-T	T	210.2/89.5	

[MAIN UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
C126	4030007050	S.CER C1608 CH 1H 220J-T	T	214.6/86.1
C127	4030008920	S.CER C1608 JB 1H 473K-T	T	150.7/80.4
C128	4030017810	S.CER C1608 CH 1H 102J-T	T	148.8/81.2
C129	4030017850	S.CER C2012 CH 1H 272J-T	T	158.6/82.1
C130	4030018580	S.CER C1608 CH 1H 821J-T	T	158.7/84.3
C131	4030018640	S.CER C2012 CH 1H 103J-T	T	167/84.8
C132	4030007120	S.CER C1608 CH 1H 820J-T	T	162.9/91.8
C133	4030017800	S.CER C1608 CH 1H 561J-T	T	162.1/89.8
C134	4030011340	S.CER C1608 CH 1H 471J-T	T	174/87.9
C135	4030011280	S.CER C1608 CH 1H 271J-T	T	186.2/89.3
C136	4030011280	S.CER C1608 CH 1H 271J-T	T	194.3/86.7
C137	4030007160	S.CER C1608 CH 1H 181J-T	T	193.5/88.5
C138	4030011280	S.CER C1608 CH 1H 271J-T	T	204.4/84.8
C139	4030007170	S.CER C1608 CH 1H 221J-T	T	201/87.5
C140	4030007130	S.CER C1608 CH 1H 101J-T	T	210.2/86.9
C141	4030007140	S.CER C1608 CH 1H 121J-T	T	207.1/87.7
C142	4030007150	S.CER C1608 CH 1H 151J-T	T	215.9/85
C143	4030007130	S.CER C1608 CH 1H 101J-T	T	213.9/84.2
C144	4030007140	S.CER C1608 CH 1H 121J-T	T	174.6/86
C145	4030017800	S.CER C1608 CH 1H 561J-T	T	175.9/86
C146	4030011340	S.CER C1608 CH 1H 471J-T	T	184.6/85.6
C147	4030018640	S.CER C2012 CH 1H 103J-T	T	155.7/84.1
C148	4030018630	S.CER C2012 CH 1H 472J-T	T	163/85.7
C149	4030018610	S.CER C1608 CH 1H 182J-T	T	171.4/86.6
C150	4030018620	S.CER C1608 CH 1H 222J-T	T	178.2/78.3
C151	4030018620	S.CER C1608 CH 1H 222J-T	T	186.7/83.3
C152	4030018600	S.CER C1608 CH 1H 152J-T	T	194.9/82.5
C153	4030018600	S.CER C1608 CH 1H 152J-T	T	204.5/81
C154	4030017810	S.CER C1608 CH 1H 102J-T	T	212/79.7
C155	4030018590	S.CER C1608 CH 1H 122J-T	T	159/76.9
C156	4030011600	S.CER C1608 JB 1E 104K-T	T	154.3/74
C157	4030018600	S.CER C1608 CH 1H 152J-T	T	161.9/87.2
C158	4030018610	S.CER C1608 CH 1H 182J-T	T	171.4/87.9
C159	4030018580	S.CER C1608 CH 1H 821J-T	T	177.9/79.9
C160	4030007130	S.CER C1608 CH 1H 101J-T	T	192.2/77.3
C161	4030011600	S.CER C1608 JB 1E 104K-T	T	187.6/78.4
C162	4030007160	S.CER C1608 CH 1H 181J-T	T	201.2/80.1
C163	4030011600	S.CER C1608 JB 1E 104K-T	T	194.9/81.2
C164	4030007140	S.CER C1608 CH 1H 121J-T	T	209.8/78.4
C165	4030011600	S.CER C1608 JB 1E 104K-T	T	204.1/72.7
C166	4030007130	S.CER C1608 CH 1H 101J-T	T	217.5/77.6
C167	4030011600	S.CER C1608 JB 1E 104K-T	T	211.9/72.7
C168	4030011600	S.CER C1608 JB 1E 104K-T	T	135.6/101.9
C169	4030018580	S.CER C1608 CH 1H 821J-T	T	165.5/79.7
C170	4030011600	S.CER C1608 JB 1E 104K-T	T	161.9/74
C171	4030011280	S.CER C1608 CH 1H 271J-T	T	174.6/80.9
C172	4030011600	S.CER C1608 JB 1E 104K-T	T	169.7/75.4
C173	4030007160	S.CER C1608 CH 1H 181J-T	T	183.1/81.6
C174	4030011600	S.CER C1608 JB 1E 104K-T	T	177.9/73.7
C175	4030007040	S.CER C1608 CH 1H 180J-T	T	201/90.1
C176	4030011600	S.CER C1608 JB 1E 104K-T	T	170.4/70
C177	4030011600	S.CER C1608 JB 1E 104K-T	T	152.5/56.4
C178	4030011600	S.CER C1608 JB 1E 104K-T	T	152.5/63.3
C179	4030011600	S.CER C1608 JB 1E 104K-T	T	150.1/39.1
C180	4030011600	S.CER C1608 JB 1E 104K-T	T	155.5/59.2
C181	4030011600	S.CER C1608 JB 1E 104K-T	T	154.2/45.7
C182	4030011600	S.CER C1608 JB 1E 104K-T	T	155.5/56.6
C183	4030011600	S.CER C1608 JB 1E 104K-T	T	160.6/66
C184	4030011600	S.CER C1608 JB 1E 104K-T	T	169.9/62.9
C185	4030011600	S.CER C1608 JB 1E 104K-T	T	156.1/45.3
C186	4030011600	S.CER C1608 JB 1E 104K-T	T	167/69.6
C187	4030011600	S.CER C1608 JB 1E 104K-T	T	163.9/50.4
C188	4030011600	S.CER C1608 JB 1E 104K-T	T	165.7/38.7
C189	4030011600	S.CER C1608 JB 1E 104K-T	T	166/57.1
C190	4030011600	S.CER C1608 JB 1E 104K-T	T	165.4/47.6
C191	4030011600	S.CER C1608 JB 1E 104K-T	T	169/36.7
C192	4030011600	S.CER C1608 JB 1E 104K-T	T	165.4/40.9
C193	4030011600	S.CER C1608 JB 1E 104K-T	T	171.4/59
C194	4030011600	S.CER C1608 JB 1E 104K-T	T	165.8/58.4
C195	4030011600	S.CER C1608 JB 1E 104K-T	T	165.4/44.4
C197	4510008510	S.ELE EEE1CA471P	T	145.9/59.8
C198	4030007020	S.CER C1608 CH 1H 120J-T	T	165.4/60
C199	4030007020	S.CER C1608 CH 1H 120J-T	T	163.6/47.7
C200	4030018630	S.CER C2012 CH 1H 472J-T	T	155.7/82.4
C201	4030011600	S.CER C1608 JB 1E 104K-T	T	186.8/68.2
C202	4030007120	S.CER C1608 CH 1H 820J-T	T	191.2/60.8
C203	4030007050	S.CER C1608 CH 1H 220J-T	T	189.7/59.5
C204	4030007150	S.CER C1608 CH 1H 151J-T	T	189.7/55
C205	4030006990	S.CER C1608 CH 1H 080D-T	T	183.4/60.1
C206	4030007130	S.CER C1608 CH 1H 101J-T	T	188.3/62.9
C207	4030011600	S.CER C1608 JB 1E 104K-T	T	181.9/61.7
C208	4030006880	S.CER C1608 JB 1H 472K-T	T	190.5/39.3
C209	4030007020	S.CER C1608 CH 1H 120J-T	T	177.4/57.2
C210	4030011600	S.CER C1608 JB 1E 104K-T	T	184.3/55.1
C211	4030006880	S.CER C1608 JB 1H 472K-T	T	186.8/40.7
C212	4030011600	S.CER C1608 JB 1E 104K-T	T	188.8/39.3
C213	4030011600	S.CER C1608 JB 1E 104K-T	T	180.1/55.1
C214	4030017810	S.CER C1608 CH 1H 102J-T	T	205.3/34.3
C215	4030007020	S.CER C1608 CH 1H 120J-T	T	183.3/29.4
C216	4030007000	S.CER C1608 CH 1H 090D-T	T	180.3/31
C217	4030007130	S.CER C1608 CH 1H 101J-T	T	159.3/24.2
C218	4030006880	S.CER C1608 JB 1H 472K-T	T	146.1/35.3
C219	4030006880	S.CER C1608 JB 1H 472K-T	T	153.5/30.8
C220	4030006880	S.CER C1608 JB 1H 472K-T	T	152.9/28.7
C221	4030006880	S.CER C1608 JB 1H 472K-T	T	155.8/22.6
C222	4030007030	S.CER C1608 CH 1H 150J-T	T	173.1/27.2
C223	4030006880	S.CER C1608 JB 1H 472K-T	T	147.9/35.3
C224	4030006880	S.CER C1608 JB 1H 472K-T	T	151/34.7
C225	4030009920	S.CER C1608 CH 1H 050B-T	T	161.4/27.7
C226	4030011600	S.CER C1608 JB 1E 104K-T	T	174.7/55
C227	4030011600	S.CER C1608 JB 1E 104K-T	T	177.4/55
C228	4030007030	S.CER C1608 CH 1H 150J-T	T	183/44
C229	4030007030	S.CER C1608 CH 1H 150J-T	T	180.2/44
C230	4030007170	S.CER C1608 CH 1H 221J-T	T	178.2/34.7

[MAIN UNIT]

REF NO.	ORDER NO.		DESCRIPTION	M.	H/V LOCATION
C231	4030006880	S.CER	C1608 JB 1H 472K-T	T	182.1/23.7
C232	4030006880	S.CER	C1608 JB 1H 472K-T	T	173.1/30
C233	4030006880	S.CER	C1608 JB 1H 472K-T	T	184.2/31.4
C234	4030006880	S.CER	C1608 JB 1H 472K-T	T	153.6/35.1
C235	4030009920	S.CER	C1608 CH 1H 050B-T	T	152.5/25.6
C236	4030009920	S.CER	C1608 CH 1H 050B-T	T	161.4/26.4
C237	4030007130	S.CER	C1608 CH 1H 101J-T	T	208.2/89
C238	4030007130	S.CER	C1608 CH 1H 101J-T	T	208.9/86.9
C239	4030007130	S.CER	C1608 CH 1H 101J-T	T	190.9/77.3
C240	4030007140	S.CER	C1608 CH 1H 121J-T	T	153.1/89.4
C241	4030007150	S.CER	C1608 CH 1H 151J-T	T	191.2/94.7
C242	4030007150	S.CER	C1608 CH 1H 151J-T	T	193.5/89.8
C243	4030007150	S.CER	C1608 CH 1H 151J-T	T	183.1/80.3
C244	4030007140	S.CER	C1608 CH 1H 121J-T	T	195.6/86.7
C245	4030007140	S.CER	C1608 CH 1H 121J-T	T	175.9/80.9
C246	4030006970	S.CER	C1608 CH 1H 060D-T	T	187/91.1
C247	4030007000	S.CER	C1608 CH 1H 090D-T	T	174.8/89.7
C248	4030018610	S.CER	C1608 CH 1H 182J-T	T	161.9/88.5
C301	4030006880	S.CER	C1608 JB 1H 472K-T	T	146.4/42.4
C302	4030007150	S.CER	C1608 CH 1H 151J-T	T	138.8/49.7
C303	4030007150	S.CER	C1608 CH 1H 151J-T	T	139.1/51.5
C304	4030011600	S.CER	C1608 JB 1E 104K-T	T	136.1/21.4
C305	4030011600	S.CER	C1608 JB 1E 104K-T	T	138/21.3
C306	4030011600	S.CER	C1608 JB 1E 104K-T	T	136.1/24.3
C307	4030011600	S.CER	C1608 JB 1E 104K-T	T	133.2/26.9
C308	4030017870	S.CER	C1608 CH 1H 681J-T	T	140.9/52.6
C309	4030011600	S.CER	C1608 JB 1E 104K-T	T	138.8/47.1
C310	4030018630	S.CER	C2012 CH 1H 472J-T	T	139.3/54.1
C311	4030017850	S.CER	C2012 CH 1H 272J-T	T	138.4/57
C312	4030011600	S.CER	C1608 JB 1E 104K-T	T	170.5/36.7
C315	4030018590	S.CER	C1608 CH 1H 122J-T	T	136.9/56.7
C316	4030007150	S.CER	C1608 CH 1H 151J-T	T	138.8/48.4
C317	4030007150	S.CER	C1608 CH 1H 151J-T	T	137.8/51.5
C318	4030007100	S.CER	C1608 CH 1H 560J-T	T	133.2/28.5
C319	4030007100	S.CER	C1608 CH 1H 560J-T	T	133.2/30
C401	4030011600	S.CER	C1608 JB 1E 104K-T	T	142/65.9
C402	4030006880	S.CER	C1608 JB 1H 472K-T	T	131.4/80
C403	4030011600	S.CER	C1608 JB 1E 104K-T	T	136.4/80
C404	4030011600	S.CER	C1608 JB 1E 104K-T	T	135.5/83.8
C405	4030006880	S.CER	C1608 JB 1H 472K-T	T	132.9/82.5
C406	4030011600	S.CER	C1608 JB 1E 104K-T	T	126.2/80
C407	4030006880	S.CER	C1608 JB 1H 472K-T	T	96/77.8
C408	4030011600	S.CER	C1608 JB 1E 104K-T	T	130.5/86.4
C409	4030011600	S.CER	C1608 JB 1E 104K-T	T	98/87.6
C410	4030011600	S.CER	C1608 JB 1E 104K-T	T	81.5/87.9
C411	4030011600	S.CER	C1608 JB 1E 104K-T	T	109/83.7
C412	4030006880	S.CER	C1608 JB 1H 472K-T	T	85.2/86.9
C413	4030007140	S.CER	C1608 CH 1H 121J-T	T	93/77.8
C414	4030007160	S.CER	C1608 CH 1H 181J-T	T	83.3/87.7
C501	4030011600	S.CER	C1608 JB 1E 104K-T	T	64.1/95.7
C502	4030006880	S.CER	C1608 JB 1H 472K-T	T	71.4/98.4
C503	4030011600	S.CER	C1608 JB 1E 104K-T	T	64.1/97
C504	4030006880	S.CER	C1608 JB 1H 472K-T	T	68.3/99.1
C505	4030006880	S.CER	C1608 JB 1H 472K-T	T	68.3/97.8
C506	4030011600	S.CER	C1608 JB 1E 104K-T	T	73.9/95.9
C507	4030011600	S.CER	C1608 JB 1E 104K-T	T	59.6/98.4
C508	4030011600	S.CER	C1608 JB 1E 104K-T	T	65.1/93
C509	4030011600	S.CER	C1608 JB 1E 104K-T	T	39.1/89.4
C510	4510008520	S.ELE	EEE1CA470SP	T	85.7/94
C511	4030011600	S.CER	C1608 JB 1E 104K-T	T	40.4/89.4
C512	4510008520	S.ELE	EEE1CA470SP	T	78.6/96.1
C516	4030011600	S.CER	C1608 JB 1E 104K-T	T	44.8/96.9
C517	4030011600	S.CER	C1608 JB 1E 104K-T	T	47.4/92.6
C518	4030011600	S.CER	C1608 JB 1E 104K-T	T	47.2/87.4
C519	4030011600	S.CER	C1608 JB 1E 104K-T	T	44/87.9
C520	4510008540	S.ELE	EEE1CA100SR	T	43.9/84.8
C521	4030011600	S.CER	C1608 JB 1E 104K-T	T	42.1/88.4
C600	4030011600	S.CER	C1608 JB 1E 104K-T	T	210.9/55
C601	4030011600	S.CER	C1608 JB 1E 104K-T	T	204.7/27.4
C602	4030007040	S.CER	C1608 CH 1H 180J-T	T	209.9/30.2
C603	4030006880	S.CER	C1608 JB 1H 472K-T	T	212.8/55.8
C604	4030006980	S.CER	C1608 CH 1H 070D-T	T	215.3/30.4
C605	4030007030	S.CER	C1608 CH 1H 150J-T	T	210.8/32.8
C606	4030007020	S.CER	C1608 CH 1H 120J-T	T	212.6/33.3
C607	4030007060	S.CER	C1608 CH 1H 270J-T	T	210.8/34.1
C608	4030011600	S.CER	C1608 JB 1E 104K-T	T	212.8/54.5
C609	4030017810	S.CER	C1608 CH 1H 102J-T	T	208.4/39.4
C610	4030018640	S.CER	C2012 CH 1H 103J-T	T	214.5/46.3
C611	4030018640	S.CER	C2012 CH 1H 103J-T	T	207.5/43.3
C612	4030018640	S.CER	C2012 CH 1H 103J-T	T	211.2/52.9
C613	4030018640	S.CER	C2012 CH 1H 103J-T	T	208/55.2
C614	4030017810	S.CER	C1608 CH 1H 102J-T	T	208.1/29.2
C615	4030007030	S.CER	C1608 CH 1H 150J-T	T	210.8/31.5
C701	4030011600	S.CER	C1608 JB 1E 104K-T	T	202.4/56.8
C702	4030011600	S.CER	C1608 JB 1E 104K-T	T	205.4/39.7
C703	4030011600	S.CER	C1608 JB 1E 104K-T	T	199.5/47
C705	4030011600	S.CER	C1608 JB 1E 104K-T	T	201.3/27.7
C706	4030007070	S.CER	C1608 CH 1H 330J-T	T	199.5/40.1
C707	4030006970	S.CER	C1608 CH 1H 060D-T	T	200.2/37.8
C709	4030007070	S.CER	C1608 CH 1H 330J-T	T	199.5/35.5
C710	4030007040	S.CER	C1608 CH 1H 180J-T	T	202.1/29.5
C711	4030007050	S.CER	C1608 CH 1H 220J-T	T	199.4/29.5
C712	4030011600	S.CER	C1608 JB 1E 104K-T	T	190.3/17.5
C714	4030011600	S.CER	C1608 JB 1E 104K-T	T	202.7/12
C715	4030009920	S.CER	C1608 CH 1H 050B-T	T	199.5/14.6
C716	4030017810	S.CER	C1608 CH 1H 102J-T	T	204.4/11.9
C717	4030017810	S.CER	C1608 CH 1H 102J-T	T	188.3/14.7
C718	4030017810	S.CER	C1608 CH 1H 102J-T	T	215/17.2
C720	4030007070	S.CER	C1608 CH 1H 330J-T	T	186.4/15.4
C721	4030006970	S.CER	C1608 CH 1H 060D-T	T	199.5/34.2
C722	4030006970	S.CER	C1608 CH 1H 060D-T	T	186.4/11.7
C801	4030011600	S.CER	C1608 JB 1E 104K-T	T	112.9/82.7
C802	4030011600	S.CER	C1608 JB 1E 104K-T	T	113/84.9
C803	4030011600	S.CER	C1608 JB 1E 104K-T	T	110.5/82.4

[MAIN UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
C805	4030006880	S.CER C1608 JB 1H 472K-T	T	107.2/79.6
C806	4510008520	S.ELE EEE1CA470SP	T	117.1/89.2
C901	4030011600	S.CER C1608 JB 1E 104K-T	T	33.6/73.5
C902	4030011600	S.CER C1608 JB 1E 104K-T	T	38.8/77.1
C903	4030006880	S.CER C1608 JB 1H 472K-T	T	32.9/61.1
C904	4030011600	S.CER C1608 JB 1E 104K-T	T	38.3/85.5
C905	4030011600	S.CER C1608 JB 1E 104K-T	T	35.7/76.9
C906	4030011600	S.CER C1608 JB 1E 104K-T	T	33.6/74.8
C907	4030011600	S.CER C1608 JB 1E 104K-T	T	31.7/78.2
C908	4510008540	S.ELE EEE1CA100SR	T	29.9/83.9
C909	4030011600	S.CER C1608 JB 1E 104K-T	T	30.4/80.1
C910	4030011600	S.CER C1608 JB 1E 104K-T	T	38.6/81.7
C1001	4030011600	S.CER C1608 JB 1E 104K-T	T	32.9/42.1
C1002	4030011600	S.CER C1608 JB 1E 104K-T	T	35.5/37.6
C1003	4030011600	S.CER C1608 JB 1E 104K-T	T	26.2/35.3
C1004	4030018610	S.CER C1608 CH 1H 182J-T	T	19.7/35.3
C1005	4030017800	S.CER C1608 CH 1H 561J-T	T	21/35.3
C1006	4030006880	S.CER C1608 JB 1H 472K-T	T	23.6/35.3
C1007	4030006880	S.CER C1608 JB 1H 472K-T	T	24.9/35.3
C1008	4030006880	S.CER C1608 JB 1H 472K-T	T	18.4/35.3
C1010	4510008540	S.ELE EEE1CA100SR	T	27.3/39.6
C1011	4510008540	S.ELE EEE1CA100SR	T	16.9/41.3
C1012	4030011600	S.CER C1608 JB 1E 104K-T	T	19.1/45.3
C1051	4510008540	S.ELE EEE1CA100SR	T	16.9/26.4
C1052	4510008540	S.ELE EEE1CA100SR	T	27.4/24.5
C1054	4030018640	S.CER C2012 CH 1H 103J-T	T	26.5/28.7
C1055	4030017810	S.CER C1608 CH 1H 102J-T	T	26.9/30.3
C1056	4030008880	S.CER C1608 JB 1H 223K-T	T	23/31.3
C1057	4030008880	S.CER C1608 JB 1H 223K-T	T	23/32.6
C1058	4030008880	S.CER C1608 JB 1H 223K-T	T	15.5/20.1
C1059	4030018640	S.CER C2012 CH 1H 103J-T	T	20.2/21.6
C1061	4030017810	S.CER C1608 CH 1H 102J-T	T	21.7/22
C1062	4030008880	S.CER C1608 JB 1H 223K-T	T	17.3/21.9
C1063	4030008880	S.CER C1608 JB 1H 223K-T	T	16/21.9
C1064	4030008880	S.CER C1608 JB 1H 223K-T	T	23/22
C1101	4030011600	S.CER C1608 JB 1E 104K-T	T	20.4/86.8
C1102	4030011600	S.CER C1608 JB 1E 104K-T	T	18.2/80
C1201	4030006880	S.CER C1608 JB 1H 472K-T	T	41.9/25
C1202	4030011600	S.CER C1608 JB 1E 104K-T	T	72.1/22.1
C1203	4030011600	S.CER C1608 JB 1E 104K-T	T	67.7/27.1
C1205	4510008540	S.ELE EEE1CA100SR	T	42.8/31.4
C1206	4030017810	S.CER C1608 CH 1H 102J-T	T	47.8/16.3
C1208	4550007300	S.TAN F931A335MAABMA	T	62.5/16.8
C1209	4030011600	S.CER C1608 JB 1E 104K-T	T	48.2/30.5
C1212	4550007400	S.TAN F931A225MAABMA	T	60.4/16.8
C1214	4030011600	S.CER C1608 JB 1E 104K-T	T	69/15.5
C1223	4030011600	S.CER C1608 JB 1E 104K-T	T	69.7/10.3
C1224	4030011600	S.CER C1608 JB 1E 104K-T	T	69.7/9
C1226	4030011600	S.CER C1608 JB 1E 104K-T	T	92.7/75.7
C1227	4030011340	S.CER C1608 CH 1H 471J-T	T	70.9/27.1
C1303	4030011600	S.CER C1608 JB 1E 104K-T	T	83.7/2.1
C1304	4030011600	S.CER C1608 JB 1E 104K-T	T	83.2/10.8
C1305	4030011600	S.CER C1608 JB 1E 104K-T	T	82.4/2.1
C1306	4030011600	S.CER C1608 JB 1E 104K-T	T	81.9/10.8
C1307	4030011600	S.CER C1608 JB 1E 104K-T	T	81/2.1
C1308	4030011600	S.CER C1608 JB 1E 104K-T	T	80.6/10.8
C1309	4030011600	S.CER C1608 JB 1E 104K-T	T	74.6/24.5
C1310	4030011600	S.CER C1608 JB 1E 104K-T	T	147.5/79.7
C1315	4030011600	S.CER C1608 JB 1E 104K-T	T	185.1/64.5
C1451	4030011600	S.CER C1608 JB 1E 104K-T	T	18.5/9
C1501	4510008520	S.ELE EEE1CA470SP	T	85.3/104.5
C1502	4030011600	S.CER C1608 JB 1E 104K-T	T	79.9/102.4
C1503	4030011600	S.CER C1608 JB 1E 104K-T	T	79.9/105.7
C1504	4510008540	S.ELE EEE1CA100SR	T	74.6/110.8
C1505	4510008540	S.ELE EEE1CA100SR	T	42.6/110.2
C1506	4030011600	S.CER C1608 JB 1E 104K-T	T	49.4/112.6
C1507	4030011600	S.CER C1608 JB 1E 104K-T	T	49.7/104.6
C1508	4510008520	S.ELE EEE1CA470SP	T	45.5/101.1
C1509	4030008680	S.CER C2012 JF 1C 105Z-T	T	37.5/97.7
C1510	4030008680	S.CER C2012 JF 1C 105Z-T	T	37.3/109.6
C1551	4030008680	S.CER C2012 JF 1C 105Z-T	T	15.7/103.5
C1552	4510008520	S.ELE EEE1CA470SP	T	23.8/94.9
C1555	4510008520	S.ELE EEE1CA470SP	T	16/94.9
C1557	4030011600	S.CER C1608 JB 1E 104K-T	T	1.4/102.3
C1558	4510008540	S.ELE EEE1CA100SR	T	4/94.1
C1559	4030011600	S.CER C1608 JB 1E 104K-T	T	7.8/102.9
C1560	4030011600	S.CER C1608 JB 1E 104K-T	T	12.5/101
C1561	4030007170	S.CER C1608 CH 1H 221J-T	T	10.4/102.9
C1562	4030011600	S.CER C1608 JB 1E 104K-T	T	9.3/91.9
C1563	4030007170	S.CER C1608 CH 1H 221J-T	T	11.7/102.9
C1601	4510008510	S.ELE EEE1CA471P	T	22.6/14.1
C1602	4030011600	S.CER C1608 JB 1E 104K-T	T	4.3/19
C1603	4510008510	S.ELE EEE1CA471P	T	7.3/36.1
C1604	4510008510	S.ELE EEE1CA471P	T	7.3/70.7
C1605	4510008510	S.ELE EEE1CA471P	T	7.3/46.9
C1606	4030006880	S.CER C1608 JB 1H 472K-T	T	3.9/11.7
C1607	4510008540	S.ELE EEE1CA100SR	T	3.3/6.5
C1608	4030011600	S.CER C1608 JB 1E 104K-T	T	6.2/76.8
C1609	4030008680	S.CER C2012 JF 1C 105Z-T	T	14.2/78
C1610	4030011600	S.CER C1608 JB 1E 104K-T	T	10.4/81.9
C1618	4030008680	S.CER C2012 JF 1C 105Z-T	T	52.3/46.9
C1651	4030008850	S.CER C1608 JB 1H 123K-T	T	25.8/74.9
C1652	4030014300	S.CER C1608 JB 1E 563K-T	T	22.3/76.7
C1653	4030014300	S.CER C1608 JB 1E 563K-T	T	21/76.7
C1654	4030014300	S.CER C1608 JB 1E 563K-T	T	26.2/76.7
C1655	4030011600	S.CER C1608 JB 1E 104K-T	T	26.9/67.5
C1656	4510008540	S.ELE EEE1CA100SR	T	16.7/70.7
C1657	4510008540	S.ELE EEE1CA100SR	T	27.7/71.8
C1704	4030011600	S.CER C1608 JB 1E 104K-T	T	118.7/6.3
C1705	4030008680	S.CER C2012 JF 1C 105Z-T	T	86.7/11
C1706	4510008600	S.ELE EEE1CA4R7NR	T	16.7/52.1
C1707	4030008850	S.CER C1608 JB 1H 123K-T	T	24.2/54
C1709	4030014300	S.CER C1608 JB 1E 563K-T	T	21.1/53.3
C1710	4030014300	S.CER C1608 JB 1E 563K-T	T	19.8/53.3

[MAIN UNIT]

REF NO.	ORDER NO.	DESCRIPTION		M.	H/V LOCATION
C1711	4030014300	S.CER	C1608 JB 1E 563K-T	T	24.2/52.7
C1713	4510008540	S.ELE	EEE1CA100SR	T	16.7/58.5
C1714	4510008540	S.ELE	EEE1CA100SR	T	27/58.2
C1715	4030011600	S.CER	C1608 JB 1E 104K-T	T	27.6/63.3
C1716	4030011600	S.CER	C1608 JB 1E 104K-T	T	34/62.4
C1717	4030011600	S.CER	C1608 JB 1E 104K-T	T	31.3/68.8
C1801	4030011600	S.CER	C1608 JB 1E 104K-T	T	145.3/14.7
C1802	4030006880	S.CER	C1608 JB 1H 472K-T	T	158.2/14.6
C1803	4030011600	S.CER	C1608 JB 1E 104K-T	T	160.7/13.2
C1804	4030011600	S.CER	C1608 JB 1E 104K-T	T	145.3/16.4
C1805	4030011600	S.CER	C1608 JB 1E 104K-T	T	163.6/13.7
C1806	4030011600	S.CER	C1608 JB 1E 104K-T	T	160.2/17.9
C1807	4030011600	S.CER	C1608 JB 1E 104K-T	T	143.2/9.1
C1901	4030011600	S.CER	C1608 JB 1E 104K-T	T	67.1/106
C1902	4030011600	S.CER	C1608 JB 1E 104K-T	T	141/104.9
C1903	4030011600	S.CER	C1608 JB 1E 104K-T	T	126.6/104
C1904	4030011600	S.CER	C1608 JB 1E 104K-T	T	125.2/101.3
C1905	4030011600	S.CER	C1608 JB 1E 104K-T	T	123.8/103.1
C1906	4030011600	S.CER	C1608 JB 1E 104K-T	T	123.5/110.1
C1907	4030006880	S.CER	C1608 JB 1H 472K-T	T	139.2/104.9
C1908	4030011600	S.CER	C1608 JB 1E 104K-T	T	96.7/90.9
C1909	4030006880	S.CER	C1608 JB 1H 472K-T	T	108.9/108.9
C1910	4030006880	S.CER	C1608 JB 1H 472K-T	T	116.6/108.3
C1911	4030011600	S.CER	C1608 JB 1E 104K-T	T	95.6/110.7
C1912	4030006880	S.CER	C1608 JB 1H 472K-T	T	137.9/104.9
C1913	4030006880	S.CER	C1608 JB 1H 472K-T	T	106.2/108.5
C1914	4030011600	S.CER	C1608 JB 1E 104K-T	T	132.4/100
C1915	4030011600	S.CER	C1608 JB 1E 104K-T	T	107.8/110.7
C1916	4030011600	S.CER	C1608 JB 1E 104K-T	T	128.4/104.8
C1917	4030011600	S.CER	C1608 JB 1E 104K-T	T	94.3/110.7
C1918	4030011600	S.CER	C1608 JB 1E 104K-T	T	132.4/101.3
C1919	4030011600	S.CER	C1608 JB 1E 104K-T	T	106.5/110.7
C1920	4030011600	S.CER	C1608 JB 1E 104K-T	T	128.4/103.5
C2001	4510008600	S.ELE	EEE1CA4R7NR	T	40.3/16.4
C2002	4510008600	S.ELE	EEE1CA4R7NR	T	40.3/11.6
C2003	4030011600	S.CER	C1608 JB 1E 104K-T	T	32.6/21.1
C2004	4510008600	S.ELE	EEE1CA4R7NR	T	40.3/21.2
C2005	4030006880	S.CER	C1608 JB 1H 472K-T	T	33.9/22.4
C2006	4030006880	S.CER	C1608 JB 1H 472K-T	T	34.8/23.7
C2007	4030011600	S.CER	C1608 JB 1E 104K-T	T	35.6/11.3
C2008	4030006880	S.CER	C1608 JB 1H 472K-T	T	36.7/23.1
C2009	4510004601	ELE	16 ME 1000 HC	T	86.2/74.1
C3001	4030006880	S.CER	C1608 JB 1H 472K-T	T	88.8/74.1
C3002	4030008920	S.CER	C1608 JB 1H 473K-T	T	91.4/74.1
C3003	4030008920	S.CER	C1608 JB 1H 473K-T	T	94/74.1
C3004	4030008920	S.CER	C1608 JB 1H 473K-T	T	95.3/74.1
C3005	4030008920	S.CER	C1608 JB 1H 473K-T	T	119.4/25.6
C3007	4030007130	S.CER	C1608 CH 1H 101J-T	T	52.6/51.3
C3008	4030018620	S.CER	C1608 CH 1H 222J-T	T	52.6/48.5
C3009	4030011600	S.CER	C1608 JB 1E 104K-T	T	136.5/4.9
C3101	4510008520	S.ELE	EEE1CA470SP	T	131.3/1.6
C3102	4030011600	S.CER	C1608 JB 1E 104K-T	T	128.4/1.6
C3103	4030011600	S.CER	C1608 JB 1E 104K-T	T	124.3/4.6
C3104	4510008520	S.ELE	EEE1CA470SP	T	100.6/28.1
C3201	4030018640	S.CER	C2012 CH 1H 103J-T	T	62.9/37.8
C3202	4030006880	S.CER	C1608 JB 1H 472K-T	T	95.6/66.8
C3302	4030011600	S.CER	C1608 JB 1E 104K-T	T	58.5/55.3
C3303	4030011600	S.CER	C1608 JB 1E 104K-T	T	83/51.4
C3304	4030007020	S.CER	C1608 CH 1H 120J-T	T	83/48.8
C3305	4030007020	S.CER	C1608 CH 1H 120J-T	T	99.2/70.1
C3307	4030006880	S.CER	C1608 JB 1H 472K-T	T	89/64.9
C3308	4030011600	S.CER	C1608 JB 1E 104K-T	T	89/66.3
C3309	4030006880	S.CER	C1608 JB 1H 472K-T	T	84.7/50.6
C3310	4030011600	S.CER	C1608 JB 1E 104K-T	T	105.6/48.2
C3311	4030011600	S.CER	C1608 JB 1E 104K-T	T	65.7/58.4
C3315	4030011600	S.CER	C1608 JB 1E 104K-T	T	67/58.4
C3316	4030011600	S.CER	C1608 JB 1E 104K-T	T	82.2/55.1
C3317	4030007070	S.CER	C1608 CH 1H 330J-T	T	83.5/55.1
C3318	4030007070	S.CER	C1608 CH 1H 330J-T	T	55.9/59.1
C3319	4030006880	S.CER	C1608 JB 1H 472K-T	T	97.1/21.3
C3601	4030011600	S.CER	C1608 JB 1E 104K-T	T	64.9/40.2
C3602	4030011600	S.CER	C1608 JB 1E 104K-T	T	56/39.6
C3603	4030011600	S.CER	C1608 JB 1E 104K-T	T	58.9/43.8
C3606	4030011600	S.CER	C1608 JB 1E 104K-T	T	60.8/77.3
C3607	4030011600	S.CER	C1608 JB 1E 104K-T	T	103/37.9
C3608	4030011600	S.CER	C1608 JB 1E 104K-T	T	57.5/72.6
C3610	4510008520	S.ELE	EEE1CA470SP	T	112.5/39.4
C3802	4030011600	S.CER	C1608 JB 1E 104K-T	T	
C3803	4510005461	ELE	FYD0H 474ZF		
C3804	4030008680	S.CER	C2012 JF 1C 105Z-T		
			[OTH], [EXP] only		
C3901	4030011600	S.CER	C1608 JB 1E 104K-T	T	56.1/63
C3902	4030007130	S.CER	C1608 CH 1H 101J-T	T	118/42.8
				T	65.5/14
J1	6510007020	CNR	TMP-J01X-V6		
J51	6510007020	CNR	TMP-J01X-V6		
J301	6510007020	CNR	TMP-J01X-V6		
J601	6510007020	CNR	TMP-J01X-V6		
J1101	6510021651	CNR	IMSA-9180B-30B-PT1		
J1102	6510022811	CNR	IMSA-9180B-22B-PT1		
J1451	6450000103	CNR	HJS1857-016220		
J1801	6510023841	CNR	TCS5107-1820177		
J1901	6510021721	S.CNR	30FLT-SM2-TB (LF) (SN)	T	133.5/111
J2051	6510023051	CNR	TCS7286-0124177		
J3001	6510022621	S.CNR	10FMN-BMTTR-A-TBT (LF) (SN)	T	116.9/19.3
J3601	6510023091	S.CNR	20FLT-SM2-TB (LF) (SN)	T	108.5/6.4
J3602	6510021721	S.CNR	30FLT-SM2-TB (LF) (SN)	T	85.2/6.5
EP1901	6910012350	S.BEA	MMZ1608Y 102BT	T	96.3/112.6
EP1902	6910012350	S.BEA	MMZ1608Y 102BT	T	132/103.2
EP1903	6910012350	S.BEA	MMZ1608Y 102BT	T	107.3/112.6
EP1904	6910012350	S.BEA	MMZ1608Y 102BT	T	131.9/107.7

[PLL UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
IC5001	1180001071	S.IC TA7805F (TE16L,Q)	B	99.8/20.2
IC5031	1180001251	S.IC TA7808F (TE16L,Q)	B	90.7/20
IC5081	1120002921	S.IC ADM202EARNZ	T	68.6/10.1
IC5082	1130006801	S.IC TC7W08F (TE12L,F)	B	76.7/14.3
IC5083	1130007041	S.IC TC7W32F (TE12L,F)	B	63.8/24
IC5084	1170000290	S.IC PS2701-1-F3	T	87.2/14.9
IC5085	1170000290	S.IC PS2701-1-F3	B	72.9/8.6
IC5101	1140007881	S.IC TC190G08EFG0046JD	T	138/71.5
IC5102	1130004831	S.IC TC7SU04F (TE85R,F)	T	139.2/57.5
IC5103	1130004831	S.IC TC7SU04F (TE85R,F)	T	150/82.1
IC5401	1130009230	S.IC LMX2306TMX/NOPB	T	178.6/84.3
IC5701	1140004550	S.IC M65343FP/SC1287	T	125.3/32.6
IC5702	1130004831	S.IC TC7SU04F (TE85R,F)	T	133.7/39.6
Q5081	1530002691	S.TR 2SC4116-GR (TE85R,F)	T	94.1/7.9
Q5082	1530002691	S.TR 2SC4116-GR (TE85R,F)	T	103.3/12.3
Q5083	1590000680	S.TR DTC114EUA T106	B	64.3/30.2
Q5084	1530002691	S.TR 2SC4116-GR (TE85R,F)	B	73.1/28
Q5085	1590000680	S.TR DTC114EUA T106	B	69.6/30
Q5101	1530002691	S.TR 2SC4116-GR (TE85R,F)	T	127.5/51
Q5202	1530002601	S.TR 2SC4215-O (TE85R,F)	T	173.5/47.7
Q5281	1530002601	S.TR 2SC4215-O (TE85R,F)	T	165.5/46.8
Q5301	1560000331	S.FET 2SK210-GR (TE85R,F)	T	173.7/67.6
Q5302	1530002691	S.TR 2SC4116-GR (TE85R,F)	T	181/68.6
Q5351	1530002601	S.TR 2SC4215-O (TE85R,F)	T	175.9/56.6
Q5401	1590001330	S.TR DTA114EUA T106	T	180.9/88.7
Q5521	1560000491	S.FET 2SK508-T2B-A K52	T	144.2/103.4
Q5553	1530002691	S.TR 2SC4116-GR (TE85R,F)	T	124.8/109.8
Q5601	1530002601	S.TR 2SC4215-O (TE85R,F)	T	140.3/106.1
Q5602	1530002601	S.TR 2SC4215-O (TE85R,F)	T	168.4/109.9
Q5603	1530002601	S.TR 2SC4215-O (TE85R,F)	T	174.3/105.5
Q5604	1530002601	S.TR 2SC4215-O (TE85R,F)	T	170.9/99.7
Q7301	1590000680	S.TR DTC114EUA T106	B	44/18.7
D5051	1790001250	S.DIO MA2S111-(TX)	B	164/11.2
D5081	1790001250	S.DIO MA2S111-(TX)	T	93.8/13.2
D5082	1790001250	S.DIO MA2S111-(TX)	B	82.7/7.9
D5083	1790001250	S.DIO MA2S111-(TX)	B	68.7/22.8
D5084	1790001250	S.DIO MA2S111-(TX)	B	74.2/22.4
D5085	1790001250	S.DIO MA2S111-(TX)	B	76.9/27.9
D5086	1790001250	S.DIO MA2S111-(TX)	B	77.2/18.4
D5101	1750000271	S.DIO 1SS301 (TE85R,F)	T	151.1/75.9
D5301	1790000540	S.VCP MA338 (TX)	T	163.5/63.8
D5302	1790001211	S.DIO 1SS375-TL-E	T	180.5/63.7
D5303	1790001211	S.DIO 1SS375-TL-E	T	180.5/59.9
D5402	1750000271	S.VCP 1SS301 (TE85R,F)	T	188.1/83.7
D5521	1720000831	S.VCP KV1770STL-G	T	151.5/103.2
D7271	1750000191	S.DIO 1SS322 (TE85R,F)	T	23.5/33.7
D7272	1750000191	S.DIO 1SS322 (TE85R,F)	T	27.1/28.6
D7301	1750000550	S.DIO 1SS355 TE-17	B	44.8/25.1
FI5101	2020001820	S.CER SFECV10M5FA00-R0	T	136.8/51.4
X5251	6050011770	S.XTL CR-770 (32 MHz)	T	145.4/31.8
X5252	6050011520	XTL CR-604. (32.000 MHz)		
L5005	6200009300	S.COL ELJPA 100KF 10U	T	86.7/32.5
L5021	2040000490	COL EXC-ELDR25C	B	63.5/16.8
L5081	6200002041	S.COL NLV25T-101J		
L5101	6200001831	S.COL NLV32T-100J	T	152.6/53.8
L5202	6200003261	S.COL NLV32T-101J	T	169.4/48.4
L5203	6150004250	COL LS-471A (C-14922)	B	192.9/38.8
L5204	6150004250	COL LS-471A (C-14922)		
L5205	6200002181	S.COL NLV25T-R12J		
L5254	6200002000	S.COL NL 252018T-3R3J		
L5255	6200002000	S.COL NL 252018T-3R3J	T	150.7/39.5
L5301	6200003261	S.COL NLV32T-101J	T	147/39.5
L5302	6130001850	COL LB-185		
L5303	6200001831	S.COL NLV32T-100J	T	174.1/70.8
L5304	6200003261	S.COL NLV32T-101J	T	178.7/72.4
L5351	6200003261	S.COL NLV32T-101J	T	185.2/56.4
L5352	6200003101	S.COL NLV32T-3R9J	T	169.8/56.3
L5401	6200001831	S.COL NLV32T-100J	T	187.9/88.3
L5521	6170000400	COL LW-38	T	122.4/94
L5522	6170000400	COL LW-38		
L5523	6190001281	COL #E544GN-110248	T	162.3/100.9
L5552	6200003261	S.COL NLV32T-101J		
L5601	6200003261	S.COL NLV32T-101J	T	177.5/110.1
L5602	6200003421	S.COL NLV32T-R15J	T	180.7/104.7
L5603	6200003431	S.COL NLV32T-R10J	T	177.5/101.7
L5604	6200003431	S.COL NLV32T-R10J	T	166.7/100.8
L5605	6200003261	S.COL NLV32T-101J	T	136/22.1
L5701	6200001831	S.COL NLV32T-100J	T	114.2/21.4
L5781	6200005501	S.COL NLV32T-471J	T	119.1/20.8
L5782	6200005501	S.COL NLV32T-471J	T	124/21.5
L5783	6200005491	S.COL NLV32T-331J	B	14.3/31.5
L7031	6200002041	S.COL NLV25T-101J	B	4.9/94
L7035	6200002041	S.COL NLV25T-101J	B	31.9/53.5
L7036	6140002240	COL LR-236 (T68-2) [OTH], [EXP] only		
L7037	6140001990	COL LR-226 (T68-2) [OTH], [EXP] only	B	28.4/107.6
L7061	6200002041	S.COL NLV25T-101J		
L7065	6200002041	S.COL NLV25T-101J	B	48.1/53.5
L7067	6140002240	COL LR-236 (T68-2) [OTH], [EXP] only		
L7068	6140002230	COL LR-235 (T68-2) [OTH], [EXP] only	B	53.1/109.4
L7091	6200002041	S.COL NLV25T-101J		
L7095	6200002041	S.COL NLV25T-101J	B	

[PLL UNIT]

REF NO.	ORDER NO.	DESCRIPTION			M.	H/V LOCATION
L7096	6140002340	COL	LR-263 (T68-2)	[OTH], [EXP] only	B	66.9/54 67.7/108.4
L7097	6140002260	COL	LR-238 (T68-2)	[OTH], [EXP] only		
L7121	6200002041	S.COL	NLV25T-101J		B	
L7125	6200002041	S.COL	NLV25T-101J			
L7126	6140002280	COL	LR-241 (T68-6)		B	
L7127	6140002250	COL	LR-237 (T68-2)			
L7128	6140002260	COL	LR-238 (T68-2)		B	82.7/54
L7181	6200005051	S.COL	NLV25T-330J			
L7183	6140002300	COL	LR-243 (T68-10)		B	
L7184	6140002280	COL	LR-241 (T68-6)	[OTH], [EXP] only		
L7185	6200005051	S.COL	NLV25T-330J		B	84.3/106.6
L7241	6200005011	S.COL	NLV25T-100J			
L7244	6200005011	S.COL	NLV25T-100J		B	95.7/53.1 95.4/103.9
L7245	6140002330	COL	LR-262 (T68-6)			
L7246	6140002330	COL	LR-262 (T68-6)		T	23.4/24.9
L7271	6200002041	S.COL	NLV25T-101J			
L7272	6140004360	COL	LR-496		T	25.5/20.9
L7273	6200002041	S.COL	NLV25T-101J			
L7321	6140001460	COL	LR-170		B	53.9/36.6 53.9/39.4
L7331	6200002041	S.COL	NLV25T-101J			
L7332	6200002041	S.COL	NLV25T-101J		B	
R5002	7030003400	S.RES	ERJ3GEYJ 471 V (470)		T	101.5/40.7
R5004	7030003400	S.RES	ERJ3GEYJ 471 V (470)		T	104/40.1
R5005	7030003400	S.RES	ERJ3GEYJ 471 V (470)		T	97.7/40.9
R5006	7030003400	S.RES	ERJ3GEYJ 471 V (470)		B	94.3/42.3
R5009	7030003400	S.RES	ERJ3GEYJ 471 V (470)		B	89.9/31.7
R5010	7030003400	S.RES	ERJ3GEYJ 471 V (470)		B	90.6/30
R5011	7030003400	S.RES	ERJ3GEYJ 471 V (470)		B	88.7/43.8
R5021	7070000311	RES	ERG1SJ 100 (10)			
R5041	7030003280	S.RES	ERJ3GEYJ 470 V (47)		T	143.8/12.8
R5051	7030003340	S.RES	ERJ3GEYJ 151 V (150)		B	187.6/7.9
R5052	7030003860	S.RES	ERJ3GE JPW V		B	173.2/10.9
R5053	7030003860	S.RES	ERJ3GE JPW V		B	173.1/12.9
R5054	7030003860	S.RES	ERJ3GE JPW V		B	183.2/11.1
R5055	7030003860	S.RES	ERJ3GE JPW V		B	188.3/9.9
R5079	7030003860	S.RES	ERJ3GE JPW V		B	115.1/11.7
R5080	7030003860	S.RES	ERJ3GE JPW V		B	104.8/5
R5081	7030003640	S.RES	ERJ3GEYJ 473 V (47 k)		T	96.1/7.8
R5082	7030003400	S.RES	ERJ3GEYJ 471 V (470)		T	95.1/13.2
R5083	7030003400	S.RES	ERJ3GEYJ 471 V (470)		B	80.8/10.2
R5084	7030003360	S.RES	ERJ3GEYJ 221 V (220)		B	71.7/22.8
R5085	7030003360	S.RES	ERJ3GEYJ 221 V (220)		B	70.3/21.6
R5086	7030003560	S.RES	ERJ3GEYJ 103 V (10 k)		T	101.2/12.1
R5087	7030003680	S.RES	ERJ3GEYJ 104 V (100 k)		B	72.4/17.5
R5088	7030003640	S.RES	ERJ3GEYJ 473 V (47 k)		T	78.9/32.8
R5089	7030009620	S.RES	ERJ12YJ120U (12)		B	81.4/23.1
R5090	7030003520	S.RES	ERJ3GEYJ 472 V (4.7 k)		T	73.8/14.3
R5091	7030003520	S.RES	ERJ3GEYJ 472 V (4.7 k)		B	83.9/14.6
R5092	7030003520	S.RES	ERJ3GEYJ 472 V (4.7 k)		B	71.1/27.7
R5093	7030003640	S.RES	ERJ3GEYJ 473 V (47 k)		B	65.7/13.6
R5094	7030003640	S.RES	ERJ3GEYJ 473 V (47 k)		B	65.7/10.3
R5095	7030003640	S.RES	ERJ3GEYJ 473 V (47 k)		B	81.7/17.3
R5096	7030003640	S.RES	ERJ3GEYJ 473 V (47 k)		B	60.2/23.6
R5097	7030003640	S.RES	ERJ3GEYJ 473 V (47 k)		T	81.2/16.4
R5098	7030003640	S.RES	ERJ3GEYJ 473 V (47 k)		T	78.9/31.4
R5099	7030003640	S.RES	ERJ3GEYJ 473 V (47 k)		T	63.7/21.8
R5101	7030007200	S.RES	ERA3YEB 202V (2 k)		T	122/61.7
R5102	7030007200	S.RES	ERA3YEB 202V (2 k)		T	122/63.3
R5103	7030007200	S.RES	ERA3YEB 202V (2 k)		T	122/64.9
R5104	7030007200	S.RES	ERA3YEB 202V (2 k)		T	122/66.5
R5105	7030007200	S.RES	ERA3YEB 202V (2 k)		T	122/68.1
R5106	7030007220	S.RES	ERA3YED 202V (2 k)		T	122/69.7
R5107	7030007220	S.RES	ERA3YED 202V (2 k)		T	122/71.3
R5108	7030007220	S.RES	ERA3YED 202V (2 k)		T	122/72.9
R5109	7030007220	S.RES	ERA3YED 202V (2 k)		T	122/74.5
R5110	7030007220	S.RES	ERA3YED 202V (2 k)		T	122/76.1
R5111	7030007220	S.RES	ERA3YED 202V (2 k)		T	122/77.7
R5112	7030007220	S.RES	ERA3YED 202V (2 k)		T	122/79.3
R5113	7030007210	S.RES	ERA3YEB 102V (1 k)		T	120/62.5
R5114	7030007210	S.RES	ERA3YEB 102V (1 k)		T	118.7/64.1
R5115	7030007210	S.RES	ERA3YEB 102V (1 k)		T	120/65.7
R5116	7030007210	S.RES	ERA3YEB 102V (1 k)		T	118.7/67.3
R5117	7030007210	S.RES	ERA3YEB 102V (1 k)		T	120/68.9
R5118	7030007230	S.RES	ERA3YED 102V (1 k)		T	118.7/70.5
R5119	7030007230	S.RES	ERA3YED 102V (1 k)		T	120/72.1
R5120	7030007230	S.RES	ERA3YED 102V (1 k)		T	118.7/73.7
R5121	7030007230	S.RES	ERA3YED 102V (1 k)		T	120/75.3
R5122	7030007230	S.RES	ERA3YED 102V (1 k)		T	118.7/76.9
R5123	7030007230	S.RES	ERA3YED 102V (1 k)		T	120/78.5
R5124	7030007220	S.RES	ERA3YED 202V (2 k)		T	122/80.9
R5125	7030003320	S.RES	ERJ3GEYJ 101 V (100)		T	136.7/59.3
R5126	7030003800	S.RES	ERJ3GEYJ 105 V (1 M)		T	141.9/57.9
R5127	7030003380	S.RES	ERJ3GEYJ 331 V (330)		T	142.1/52.1
R5128	7030003320	S.RES	ERJ3GEYJ 101 V (100)		T	132.7/57.8
R5129	7030003380	S.RES	ERJ3GEYJ 331 V (330)		T	132.2/50.9
R5130	7030003460	S.RES	ERJ3GEYJ 152 V (1.5 k)		T	125.4/50.8
R5131	7030003400	S.RES	ERJ3GEYJ 471 V (470)		T	129.4/50.9
R5132	7030003490	S.RES	ERJ3GEYJ 272 V (2.7 k)		T	124/50.8
R5133	7030003640	S.RES	ERJ3GEYJ 473 V (47 k)		T	145.7/60.4
R5134	7030003640	S.RES	ERJ3GEYJ 473 V (47 k)		T	147.6/60.9
R5135	7030003800	S.RES	ERJ3GEYJ 105 V (1 M)		T	149.7/79.7
R5136	7030003680	S.RES	ERJ3GEYJ 104 V (100 k)		T	149.6/68.9
R5137	7030003440	S.RES	ERJ3GEYJ 102 V (1 k)		T	149.9/66.5
R5138	7030003440	S.RES	ERJ3GEYJ 102 V (1 k)		T	133.6/81.2
R5139	7030003440	S.RES	ERJ3GEYJ 102 V (1 k)		T	130.8/84.4
R5140	7030003640	S.RES	ERJ3GEYJ 473 V (47 k)		T	136/85
R5141	7030003640	S.RES	ERJ3GEYJ 473 V (47 k)		T	133.4/84.4
R5142	7030003640	S.RES	ERJ3GEYJ 473 V (47 k)		T	130.3/82.5
R5143	7030003640	S.RES	ERJ3GEYJ 473 V (47 k)		T	137.3/85
R5144	7030003640	S.RES	ERJ3GEYJ 473 V (47 k)		T	134.7/84.4
R5145	7030003640	S.RES	ERJ3GEYJ 473 V (47 k)		T	132.1/84.4
R5146	7030003430	S.RES	ERJ3GEYJ 821 V (820)		T	149.1/70.8

[PLL UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
R5147	7030003860	S.RES ERJ3GE JPW V	B	154.2/79
R5148	7030008240	S.RES ERJ12Y0R00U	B	140.3/91
R5203	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	171.6/49.2
R5204	7030003600	S.RES ERJ3GEYJ 223 V (22 k)	T	171.6/46.1
R5205	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	171/43.9
R5206	7030003360	S.RES ERJ3GEYJ 221 V (220)	T	173/44.6
R5207	7030003280	S.RES ERJ3GEYJ 470 V (47)	T	168.3/43.9
R5251	7030003860	S.RES ERJ3GE JPW V	B	164.2/34.3
R5252	7030003860	S.RES ERJ3GE JPW V [AUS], [OTH] only	B	160.3/37.8
R5254	7030003440	S.RES ERJ3GEYJ 102 V (1 k) [AUS], [OTH] only	T	152.5/28.5
R5255	7310002740	S.TRI RV-150 (RH03A3A14X0FC) [AUS], [OTH] only	T	149.9/29.3
R5256	7030003440	S.RES ERJ3GEYJ 102 V (1 k) [AUS], [OTH] only	T	145.4/28.7
R5271	7030003400	S.RES ERJ3GEYJ 471 V (470)	B	162.5/35.9
R5281	7030003400	S.RES ERJ3GEYJ 471 V (470)	T	162.6/44
R5282	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	166.7/45.2
R5283	7030003480	S.RES ERJ3GEYJ 222 V (2.2 k)	T	166.4/48.5
R5284	7030003520	S.RES ERJ3GEYJ 472 V (4.7 k)	T	162.6/45.3
R5302	7030003340	S.RES ERJ3GEYJ 151 V (150)	T	165.3/68.9
R5303	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	T	169.8/66.4
R5304	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	T	171/73
R5305	7030003340	S.RES ERJ3GEYJ 151 V (150)	T	170.1/70.3
R5306	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	175.2/73
R5307	7030003690	S.RES ERJ3GEYJ 124 V (120 k)	T	179/68.7
R5308	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	183.8/68.4
R5309	7030003430	S.RES ERJ3GEYJ 821 V (820)	T	184/65.8
R5310	7030003430	S.RES ERJ3GEYJ 821 V (820)	T	184.5/60.2
R5311	7030003430	S.RES ERJ3GEYJ 821 V (820)	T	183.2/63.5
R5312	7030003400	S.RES ERJ3GEYJ 471 V (470)	T	185.8/60.2
R5351	7030003570	S.RES ERJ3GEYJ 123 V (12 k)	T	179.1/56.5
R5352	7030003400	S.RES ERJ3GEYJ 471 V (470)	T	177.8/56.5
R5353	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	180.5/56.5
R5354	7030003400	S.RES ERJ3GEYJ 471 V (470)	T	165.1/56.4
R5401	7030003860	S.RES ERJ3GE JPW V	T	178/87.9
R5403	7030003450	S.RES ERJ3GEYJ 122 V (1.2 k)	T	170.6/85.9
R5404	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	184.7/82.9
R5406	7030003680	S.RES ERJ3GEYJ 104 V (100 k)	T	184.7/86.8
R5407	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	178/89.3
R5408	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	184.7/84.2
R5409	7030003860	S.RES ERJ3GE JPW V	T	166.6/89.1
R5410	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	184.7/85.5
R5411	7030003860	S.RES ERJ3GE JPW V	T	173.3/85.9
R5512	7030003860	S.RES ERJ3GE JPW V	T	139.8/98.7
R5522	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	140.4/100
R5524	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	143.3/110.3
R5551	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	162.2/84.1
R5552	7030003860	S.RES ERJ3GE JPW V	B	143.7/88.3
R5556	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	122.9/109.7
R5557	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	123.1/106.6
R5601	7030003520	S.RES ERJ3GEYJ 472 V (4.7 k)	T	138.4/106
R5602	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	163.5/105.1
R5603	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	142.8/106.2
R5604	7030003650	S.RES ERJ3GEYJ 563 V (56 k)	T	168.9/107.8
R5605	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	170.4/105.1
R5606	7030003380	S.RES ERJ3GEYJ 331 V (330)	T	170.4/106.5
R5607	7030003520	S.RES ERJ3GEYJ 472 V (4.7 k)	T	174.5/103.6
R5608	7030003520	S.RES ERJ3GEYJ 472 V (4.7 k)	T	173.9/109.7
R5609	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	172.3/105.4
R5610	7030003360	S.RES ERJ3GEYJ 221 V (220)	T	175.2/109.6
R5611	7030003860	S.RES ERJ3GE JPW V	T	176.4/106.5
R5612	7030003380	S.RES ERJ3GEYJ 331 V (330)	T	169.6/102.9
R5613	7030003650	S.RES ERJ3GEYJ 563 V (56 k)	T	170.5/101.6
R5614	7030003350	S.RES ERJ3GEYJ 181 V (180)	T	166.4/105.3
R5701	7030007220	S.RES ERA3YED 202V (2 k)	T	112.9/38.4
R5702	7030007230	S.RES ERA3YED 102V (1 k)	T	112.9/37
R5703	7030007230	S.RES ERA3YED 102V (1 k)	T	112.8/35.7
R5704	7030007230	S.RES ERA3YED 102V (1 k)	T	112.9/34.4
R5705	7030007230	S.RES ERA3YED 102V (1 k)	T	112.9/33.1
R5706	7030007230	S.RES ERA3YED 102V (1 k)	T	112.9/31.8
R5707	7030007230	S.RES ERA3YED 102V (1 k)	T	112.8/30.5
R5708	7030007210	S.RES ERA3YEB 102V (1 k)	T	112.8/29.2
R5709	7030007210	S.RES ERA3YEB 102V (1 k)	T	114.1/27.8
R5710	7030007210	S.RES ERA3YEB 102V (1 k)	T	117/26.4
R5711	7030007220	S.RES ERA3YED 202V (2 k)	T	115.7/38.4
R5712	7030007220	S.RES ERA3YED 202V (2 k)	T	115.7/37
R5713	7030007220	S.RES ERA3YED 202V (2 k)	T	115.7/35.6
R5714	7030007220	S.RES ERA3YED 202V (2 k)	T	115.7/34.3
R5715	7030007220	S.RES ERA3YED 202V (2 k)	T	115.7/33
R5716	7030007220	S.RES ERA3YED 202V (2 k)	T	115.7/31.7
R5717	7030007220	S.RES ERA3YED 202V (2 k)	T	115.7/30.4
R5718	7030007200	S.RES ERA3YEB 202V (2 k)	T	115.7/29.1
R5719	7030007200	S.RES ERA3YEB 202V (2 k)	T	117/27.7
R5720	7030007200	S.RES ERA3YEB 202V (2 k)	T	123.1/24.3
R5721	7030003800	S.RES ERJ3GEYJ 105 V (1 M)	T	133.7/37.2
R5722	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	136/36.7
R5781	7030003450	S.RES ERJ3GEYJ 122 V (1.2 k)	B	108.7/24.9
R5782	7030003340	S.RES ERJ3GEYJ 151 V (150)	B	110/22.9
R5783	7030003450	S.RES ERJ3GEYJ 122 V (1.2 k)	B	110.7/24.9
R7271	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	23.6/27.4
R7272	7030003490	S.RES ERJ3GEYJ 272 V (2.7 k)	T	23.6/28.8
R7273	7030003520	S.RES ERJ3GEYJ 472 V (4.7 k)	T	23.4/31.7
R7274	7030006220	S.RES ERJ12YJ470U (47)	B	26.7/35.5
R7275	7030003560	S.RES ERJ3GEYJ 103 V (10 k)	T	26.5/22.8
R7276	7030003490	S.RES ERJ3GEYJ 272 V (2.7 k)	T	27.1/24.1
R7277	7030003520	S.RES ERJ3GEYJ 472 V (4.7 k)	T	27.1/26.7
R7301	7030003200	S.RES ERJ3GEYJ 100 V (10)	B	48.9/23.2
R7314	7540000250	ABS SA05C 401N		
R7315	7030010650	S.RES ERJ12YJ823U (82 k)	B	39.3/20.4
R7353	7030007180	S.RES ERJ12YJ150U (15)	B	86.7/48.4
R7354	7030009620	S.RES ERJ12YJ120U (12)	B	73.9/50.4
R7355	7030006060	S.RES ERJ12YJ100U (10)	B	67.9/49.8
R7356	7030006060	S.RES ERJ12YJ100U (10)	B	61.7/45.9

[PLL UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
R7357	7030006060	S.RES ERJ12YJ100U (10)	B	53.6/47.4
R7358	7030006060	S.RES ERJ12YJ100U (10)	B	53.7/43.1
C5021	4510008520	S.ELE EEE1CA470SP	T	98.9/20.6
C5022	4030011600	S.CER C1608 JB 1E 104K-T	B	95.6/20.1
C5023	4030011600	S.CER C1608 JB 1E 104K-T	B	104/21.6
C5024	4510008990	S.ELE EEE1AA470WR	T	104.8/26.6
C5031	4510008520	S.ELE EEE1CA470SP	T	85.9/23.4
C5032	4030011600	S.CER C1608 JB 1E 104K-T	B	86.5/23.4
C5033	4030011600	S.CER C1608 JB 1E 104K-T	B	94.8/23.2
C5034	4510008990	S.ELE EEE1AA470WR	T	92.4/21.8
C5041	4030006880	S.CER C1608 JB 1H 472K-T	T	140.8/12.8
C5051	4030011600	S.CER C1608 JB 1E 104K-T	B	166/10.4
C5052	4030007170	S.CER C1608 CH 1H 221J-T	B	187.6/11.9
C5053	4030007170	S.CER C1608 CH 1H 221J-T	B	180.4/11.1
C5054	4030007170	S.CER C1608 CH 1H 221J-T	B	176.8/12.9
C5055	4030007170	S.CER C1608 CH 1H 221J-T	B	176.7/10.9
C5080	4030006880	S.CER C1608 JB 1H 472K-T	B	66.9/31
C5081	4030006880	S.CER C1608 JB 1H 472K-T	T	92.5/13.3
C5082	4030006880	S.CER C1608 JB 1H 472K-T	B	81/8
C5083	4030006900	S.CER C1608 JB 1H 103K-T	B	67.3/22.8
C5084	4030006900	S.CER C1608 JB 1H 103K-T	T	99.7/12.2
C5085	4030006880	S.CER C2012 JF 1C 105Z-T	T	74.6/1.6
C5086	4030006880	S.CER C2012 JF 1C 105Z-T	T	74.9/9.6
C5087	4030006880	S.CER C2012 JF 1C 105Z-T	T	73.2/10.8
C5088	4030006880	S.CER C2012 JF 1C 105Z-T	B	68.7/5.3
C5089	4030006900	S.CER C1608 JB 1H 103K-T	B	80.1/14.6
C5091	4030006900	S.CER C1608 JB 1H 103K-T	T	63.2/20.4
C5092	4030006880	S.CER C1608 JB 1H 472K-T	T	92.2/7.8
C5093	4030006880	S.CER C1608 JB 1H 472K-T	B	86/7.7
C5101	4030007060	S.CER C1608 CH 1H 270J-T	T	126.4/64.9
C5102	4030007010	S.CER C1608 CH 1H 100D-T	T	127.6/66.8
C5103	4030006960	S.CER C1608 CH 1H 050C-T	T	127.6/69.5
C5104	4030006880	S.CER C1608 JB 1H 472K-T	T	136.7/56.5
C5105	4030006880	S.CER C1608 JB 1H 102K-T	T	143.5/52.1
C5106	4030006880	S.CER C1608 JB 1H 472K-T	T	128.6/53.1
C5107	4030006880	S.CER C1608 JB 1H 472K-T	T	130.8/50.9
C5108	4030006880	S.CER C1608 JB 1H 472K-T	T	122.6/50.8
C5110	4510008540	S.ELE EEE1CA100SR	T	151.6/49.7
C5111	4030006880	S.CER C1608 JB 1H 472K-T	T	152.4/79.7
C5112	4030007090	S.CER C1608 CH 1H 470J-T	T	148.3/68.9
C5113	4030006880	S.CER C1608 JB 1H 472K-T	T	150.3/64.5
C5115	4030006880	S.CER C1608 JB 1H 472K-T	T	149/64.5
C5116	4510008520	S.ELE EEE1CA470SP	T	151.9/59.3
C5117	4030006880	S.CER C1608 JB 1H 472K-T	T	148.6/71.1
C5118	4030006880	S.CER C1608 JB 1H 472K-T	T	149.9/73.1
C5120	4030006880	S.CER C1608 JB 1H 472K-T	T	141.1/61.3
C5121	4030006880	S.CER C1608 JB 1H 472K-T	T	139.3/61.3
C5122	4030006880	S.CER C1608 JB 1H 472K-T	T	136.9/61.2
C5123	4030006880	S.CER C1608 JB 1H 472K-T	T	131.9/61.4
C5124	4030006880	S.CER C1608 JB 1H 472K-T	T	130.3/81.2
C5125	4030011600	S.CER C1608 JB 1E 104K-T	T	128.2/78.2
C5126	4030011600	S.CER C1608 JB 1E 104K-T	T	129.1/64.4
C5130	4030011600	S.CER C1608 JB 1E 104K-T	B	136.7/77.5
C5131	4340000050	S.MLR ECH-U 1C472JB5	B	144.6/90.6
C5201	4030006860	S.CER C1608 JB 1H 102K-T	T	173.6/49.9
C5202	4030006860	S.CER C1608 JB 1H 102K-T	T	169.5/45.4
C5203	4030006880	S.CER C1608 JB 1H 472K-T	T	175.8/44.6
C5204	4030006880	S.CER C1608 JB 1H 472K-T	T	174.4/44.6
C5205	4030007030	S.CER C1608 CH 1H 150J-T	T	175.8/47.7
C5206	4030006910	S.CER C1608 CH 1H 0R5C-T	T	188/39.9
C5207	4030007030	S.CER C1608 CH 1H 150J-T	T	190.7/39.9
C5208	4030007100	S.CER C1608 CH 1H 560J-T	B	190.2/39.9
C5209	4030007100	S.CER C1608 CH 1H 560J-T	B	190.3/37.7
C5256	4030006990	S.CER C1608 CH 1H 080D-T [AUS], [OTH] only	T	152.2/37.5
C5257	4030006920	S.CER C1608 CH 1H 010C-T [AUS], [OTH] only	T	150.8/41.6
C5258	4030007010	S.CER C1608 CH 1H 100D-T [AUS], [OTH] only	T	149.4/37.5
C5259	4030006930	S.CER C1608 CH 1H 020C-T [AUS], [OTH] only	T	147.1/41.5
C5260	4030006980	S.CER C1608 CH 1H 070D-T [AUS], [OTH] only	T	146.6/37.5
C5261	4030006880	S.CER C1608 JB 1H 472K-T [AUS], [OTH] only	T	144.6/35.3
C5262	4030011600	S.CER C1608 JB 1E 104K-T [AUS], [OTH] only	T	148.9/26.4
C5263	4510004630	S.ELE ECEV1CA100SR [AUS], [OTH] only	T	151.4/23.6
C5264	4030006880	S.CER C1608 JB 1H 472K-T [AUS], [OTH] only	T	

[PLL UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
C5351	4030006880	S.CER C1608 JB 1H 472K-T	T	183.2/60.2
C5352	4030006880	S.CER C1608 JB 1H 472K-T	T	174/56.4
C5353	4030006880	S.CER C1608 JB 1H 472K-T	T	182/56.6
C5354	4030010000	S.CER C1608 CH 1H 510J-T	T	172.7/56.4
C5355	4030006960	S.CER C1608 CH 1H 050C-T	T	169.7/58.5
C5356	4030010000	S.CER C1608 CH 1H 510J-T	T	166.8/56.4
C5357	4030006880	S.CER C1608 JB 1H 472K-T	T	163.6/56.4
C5401	4030011600	S.CER C1608 JB 1E 104K-T	T	171.6/82
C5402	4030006860	S.CER C1608 JB 1H 102K-T	T	171.6/83.3
C5403	4030006900	S.CER C1608 JB 1H 103K-T	T	173.8/83.8
C5404	4030006880	S.CER C1608 JB 1H 472K-T	T	171.6/84.6
C5408	4550005980	S.TAN TEESVA 1A 475M8R	T	174/88.9
C5521	4610001830	S.TRI TZB4S100AB10R00	T	150.6/108
C5522	4030007130	S.CER C1608 CH 1H 101J-T	T	149/101.6
C5523	4030007010	S.CER C1608 CH 1H 100D-T	T	147.7/102.5
C5524	4030006880	S.CER C1608 JB 1H 472K-T	T	146.3/101.4
C5525	4030006870	S.CER C1608 JB 1H 222K-T	T	141.8/103.1
C5526	4030009520	S.CER C1608 CH 1H 020B-T	T	142.4/101.3
C5528	4030006860	S.CER C1608 JB 1H 102K-T	T	150.9/100.9
C5529	4030011340	S.CER C1608 CH 1H 471J-T	T	145.1/109.5
C5551	4550005980	S.TAN TEESVA 1A 475M8R	T	163.6/87.6
C5552	4550003250	S.TAN TEESVA 1V 474M8R	T	161.1/87.7
C5556	4030006860	S.CER C1608 JB 1H 102K-T	T	121.6/109.7
C5557	4030011600	S.CER C1608 JB 1E 104K-T	T	121.8/106.6
C5558	4510004591	ELE 16 ME 470 HC		
C5560	4510008660	S.ELE EEE0JA220SR	T	118.7/106.8
C5561	4030011340	S.CER C1608 CH 1H 471J-T	T	127/106.7
C5601	4030006880	S.CER C1608 JB 1H 472K-T	T	142.8/107.5
C5602	4030006860	S.CER C1608 JB 1H 102K-T	T	162/103.8
C5603	4030006880	S.CER C1608 JB 1H 472K-T	T	168.3/105.9
C5604	4030006880	S.CER C1608 JB 1H 472K-T	T	164.5/99.8
C5605	4030006880	S.CER C1608 JB 1H 472K-T	T	170.5/109.6
C5606	4030006860	S.CER C1608 JB 1H 102K-T	T	173.3/107.4
C5607	4030006880	S.CER C1608 JB 1H 472K-T	T	172.6/101.8
C5608	4030006880	S.CER C1608 JB 1H 472K-T	T	172.5/109.7
C5609	4030007090	S.CER C1608 CH 1H 470J-T	T	177.7/106.5
C5610	4030007130	S.CER C1608 CH 1H 101J-T	T	179.9/109.6
C5611	4030007090	S.CER C1608 CH 1H 470J-T	T	181.4/109.5
C5612	4030007060	S.CER C1608 CH 1H 270J-T	T	180.7/107.4
C5613	4030007020	S.CER C1608 CH 1H 120J-T	T	177.9/104.4
C5614	4030007060	S.CER C1608 CH 1H 270J-T	T	181.2/101.2
C5615	4030006970	S.CER C1608 CH 1H 060D-T	T	179.8/101.2
C5616	4030007040	S.CER C1608 CH 1H 180J-T	T	179.6/98.8
C5617	4030006860	S.CER C1608 JB 1H 102K-T	T	174.2/101.1
C5618	4030006880	S.CER C1608 JB 1H 472K-T	T	168.9/99.9
C5619	4030006930	S.CER C1608 CH 1H 020C-T	T	166.8/104
C5701	4030006880	S.CER C1608 JB 1H 472K-T	T	122.6/40.6
C5702	4030006880	S.CER C1608 JB 1H 472K-T	T	126.2/24.4
C5703	4030006880	S.CER C1608 JB 1H 472K-T	T	126.2/40.6
C5704	4030006880	S.CER C1608 JB 1H 472K-T	T	131.5/26.3
C5705	4030006880	S.CER C1608 JB 1H 472K-T	T	134.2/34.3
C5706	4030006880	S.CER C1608 JB 1H 472K-T	T	134.2/31.3
C5707	4030006880	S.CER C1608 JB 1H 472K-T	T	133.7/22.7
C5708	4510008490	S.ELE EEE1CS100SR	T	136.3/27.4
C5709	4030006880	S.CER C1608 JB 1H 472K-T	T	131.3/39.9
C5710	4030006860	S.CER C1608 JB 1H 102K-T	T	137.4/36.7
C5711	4030007010	S.CER C1608 CH 1H 100D-T	T	137/39.8
C5781	4030011280	S.CER C1608 CH 1H 271J-T	T	115.4/24.1
C5782	4030007080	S.CER C1608 CH 1H 390J-T	T	116.4/20.8
C5783	4030011340	S.CER C1608 CH 1H 471J-T	T	117.4/23.6
C5784	4030007110	S.CER C1608 CH 1H 680J-T	T	119.3/23
C5785	4030011340	S.CER C1608 CH 1H 471J-T	T	121.8/21
C5794	4030006880	S.CER C1608 JB 1H 472K-T	T	112/22.1
C7031	4030008680	S.CER C2012 JF 1C 105Z-T	B	7.6/87.7
C7032	4030011600	S.CER C1608 JB 1E 104K-T	B	4.6/91.6
C7033	4320000310	DMI DM20C 182J5		
C7034	4010006410	CER HM13SJ SL 471J 500V		
C7035	4010005930	CER HM11SJ SL 391J 500V		
C7036	4320000320	DMI DM20C 222J5		
C7038	4030014460	S.CER GRM31M2C2H820JV01L	B	8.5/50.9
C7039	4320000290	DMI DM20C 152J5		
C7040	4030012480	S.CER GRM31M2C2H121JV01L	B	6/50.9
C7046	4030011600	S.CER C1608 JB 1E 104K-T	B	13.8/27.8
C7061	4030008680	S.CER C2012 JF 1C 105Z-T	B	23.2/105.7
C7062	4030011600	S.CER C1608 JB 1E 104K-T	B	23.1/107.3
C7072	4010006410	CER HM13SJ SL 471J 500V		
C7073	4010006410	CER HM13SJ SL 471J 500V		
C7074	4010006410	CER HM13SJ SL 471J 500V		
C7077	4010006410	CER HM13SJ SL 471J 500V		
C7078	4010006410	CER HM13SJ SL 471J 500V		
C7079	4010006410	CER HM13SJ SL 471J 500V		
C7080	4030014460	S.CER GRM31M2C2H820JV01L	B	29.3/92.8
C7081	4030011550	S.CER GRM31M2C2H680JV01L	B	26.6/92.8
C7082	4010005930	CER HM11SJ SL 391J 500V		
C7083	4010005370	CER HM11SJ SL 331J 500V		
C7085	4030011600	S.CER C1608 JB 1E 104K-T	B	28.4/55.2
C7091	4030008680	S.CER C2012 JF 1C 105Z-T	B	49.5/107.3
C7092	4030006880	S.CER C1608 JB 1H 472K-T	B	47.9/107.2
C7094	4010005370	CER HM11SJ SL 331J 500V		
C7095	4010007490	CER HM15SJ SL 561J 500V		
C7096	4010006410	CER HM13SJ SL 471J 500V		
C7097	4030011510	S.CER GRM31M2C2H560JV01L	B	52.8/85.1
C7098	4010006410	CER HM13SJ SL 471J 500V		
C7099	4010007490	CER HM15SJ SL 561J 500V		
C7102	4030006880	S.CER C1608 JB 1H 472K-T	B	44.6/55.2
C7105	4010006410	CER HM11SJ SL 471J 500V		
[OTH], [EXP] only				
C7106	4030014460	S.CER GRM31M2C2H820JV01L	B	46.5/91.1
C7107	4030011550	S.CER GRM31M2C2H680JV01L	B	49.1/91.1
C7110	4030011510	S.CER GRM31M2C2H560JV01L	B	78.9/82.3
C7121	4030008680	S.CER C2012 JF 1C 105Z-T	B	63.3/105.3
C7122	4030006880	S.CER C1608 JB 1H 472K-T	B	63.3/107.6
C7123	4030012480	S.CER GRM31M2C2H121JV01L	B	70.4/83
C7124	4030012480	S.CER GRM31M2C2H121JV01L	B	70.5/85.1

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REF NO.	ORDER NO.		DESCRIPTION	M.	H/V LOCATION
C7125	4030011730	S.CER	GRM31M2C2H101JV01L	B	70.5/87.3
C7126	4030014460	S.CER	GRM31M2C2H820JV01L	B	81.4/82.3
C7127	4030011730	S.CER	GRM31M2C2H101JV01L	B	61.8/65.7
C7128	4010005370	CER	HM11SJ SL 331J 500V		
C7129	4010005870	CER	HM95SJ SL 221J 500V		
C7130	4030011240	S.CER	GRM31M2C2H470JV01L	B	74.7/65.9
C7131	4030012480	S.CER	GRM31M2C2H121JV01L	B	61.7/62.5
C7132	4030012480	S.CER	GRM31M2C2H121JV01L	B	63.4/59.7
C7133	4030006880	S.CER	C1608 JB 1H 472K-T	B	61.8/54.5
C7135	4030014460	S.CER	GRM31M2C2H820JV01L	B	67.5/75.6
C7136	4030011730	S.CER	GRM31M2C2H101JV01L	B	70.5/89.4
C7137	4010005370	CER	HM11SJ SL 331J 500V		
C7138	4030012480	S.CER	GRM31M2C2H121JV01L	B	71.3/93.2
C7139	4030012480	S.CER	GRM31M2C2H121JV01L	B	71.2/96
C7140	4030012480	S.CER	GRM31M2C2H121JV01L	B	71.2/98.7
C7181	4030008680	S.CER	C2012 JF 1C 105Z-T	B	79.8/105.6
C7182	4030006880	S.CER	C1608 JB 1H 472K-T	B	80.1/107.3
C7183	4030014460	S.CER	GRM31M2C2H820JV01L	B	89.1/78.4
C7184	4030014460	S.CER	GRM31M2C2H820JV01L	B	82.2/73
C7185	4030011730	S.CER	GRM31M2C2H101JV01L	B	89.1/75.8
C7186	4030011550	S.CER	GRM31M2C2H680JV01L	B	84.8/73
C7187	4030011730	S.CER	GRM31M2C2H101JV01L	B	90.8/71.4
C7188	4030011240	S.CER	GRM31M2C2H470JV01L	B	90.5/63.5
C7190	4030006880	S.CER	C1608 JB 1H 472K-T	B	79/55.2
C7193	4030011550	S.CER	GRM31M2C2H680JV01L	B	94.7/59.6
C7194	4030011730	S.CER	GRM31M2C2H101JV01L	B	94.7/61.7
C7195	4030011730	S.CER	GRM31M2C2H101JV01L	B	94.7/65.5
C7196	4030011730	S.CER	GRM31M2C2H101JV01L	B	94.7/67.6
C7241	4030006880	S.CER	C1608 JB 1H 472K-T	B	95.1/106.2
C7243	4030011730	S.CER	GRM31M2C2H101JV01L	B	91/94.3
C7244	4030011510	S.CER	GRM31M2C2H560JV01L	B	98/92.5
C7245	4030011550	S.CER	GRM31M2C2H680JV01L	B	93.5/89
C7247	4030011240	S.CER	GRM31M2C2H470JV01L	B	99/82.5
C7248	4030011210	S.CER	GRM31M2C2H330JV01L	B	105/74.4
C7250	4030006880	S.CER	C1608 JB 1H 472K-T	B	95.7/55.1
C7253	4030011550	S.CER	GRM31M2C2H680JV01L	B	93.5/85.5
C7271	4030011330	S.CER	C1608 CH 1H 391J-T	T	23.5/30.2
C7272	4030011600	S.CER	C1608 JB 1E 104K-T	T	26.3/37.1
C7273	4030011330	S.CER	C1608 CH 1H 391J-T	T	27.1/25.4
C7274	4030011600	S.CER	C1608 JB 1E 104K-T	T	26.8/31.8
C7275	4610002230	TRI	TZB4Z100DB10B00		
C7277	4010005830	CER	HM74SJ SL 151J 500V		
C7278	4030007130	S.CER	C1608 CH 1H 101J-T	T	24.7/35.7
C7279	4030007130	S.CER	C1608 CH 1H 101J-T	T	26.8/30.5
C7301	4030006880	S.CER	C1608 JB 1H 472K-T	B	44.8/26.7
C7302	4030006880	S.CER	C1608 JB 1H 472K-T	B	46.9/17.9
C7303	4030006880	S.CER	C1608 JB 1H 472K-T	B	44.2/23
C7304	4030006880	S.CER	C1608 JB 1H 472K-T	B	46.8/22
C7305	4030006880	S.CER	C1608 JB 1H 472K-T	B	14.9/23.4
C7306	4030006880	S.CER	C1608 JB 1H 472K-T	B	15.9/20.8
C7321	4030011730	S.CER	GRM31M2C2H101JV01L	B	34.6/11.6
C7322	4030011170	S.CER	GRM31M2C2H180JV01L	B	30.3/15.4
C7323	4030011730	S.CER	GRM31M2C2H101JV01L	B	26/11.6
C7325	4030011790	S.CER	GRM55RF52A684ZD01L	T	41.2/20.9
C7332	4030006880	S.CER	C1608 JB 1H 472K-T	B	46.8/20.7
C7346	4030006880	S.CER	C1608 JB 1H 472K-T	B	74.2/45
RL5081	6330001640	RLY	ATX209		
RL7031	6330001800	RLY	MZ-9D-K		
RL7032	6330001800	RLY	MZ-9D-K		
RL7061	6330001800	RLY	MZ-9D-K		
RL7062	6330001800	RLY	MZ-9D-K		
RL7091	6330001800	RLY	MZ-9D-K		
RL7092	6330001800	RLY	MZ-9D-K		
RL7121	6330001800	RLY	MZ-9D-K		
RL7122	6330001800	RLY	MZ-9D-K		
RL7181	6330001800	RLY	MZ-9D-K		
RL7182	6330001800	RLY	MZ-9D-K		
RL7241	6330001800	RLY	MZ-9D-K		
RL7242	6330001800	RLY	MZ-9D-K		
RL7301	6330000781	RLY	AGP2013F		
J5001	6510023091	S.CNR	20FLT-SM2-TB (LF) (SN)	T	98/32.6
J5041	6510023750	CNR	01K1971-10		
J5051	6510023120	CNR	CD6109SA1J0 <CVI>		
J5081	6510023120	CNR	CD6109SA1J0 <CVI>		
J5091	6510023750	CNR	01K1971-10		
J7311	6510007020	CNR	TMP-J01X-V6		
J7331	6510021721	S.CNR	30FLT-SM2-TB (LF) (SN)	T	74.2/38.7
W5201	9018760110	Wire	62/99/190/C24/C31		
W5601	9024290060	Wire	62/99/140/C24/C31		
W7001	9021770090	Wire	62/99/135/C24/C31		
W7321	9009130030	Wire	62/99/300/C24/C31		

[PA UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
IC6501	1110002700	S.IC NJM2904M-TE1-#FMZB	T	113.7/15.8
IC6601	1180001251	S.IC TA7808F (TE16L,Q)	T	171.5/19.8
Q6101	1560001241	S.FET RD01MUS1-T113	T	171.4/48
Q6401	1590003140	TR SD1405		
Q6402	1590003140	TR SD1405		
Q6403	1540000501	TR 2SD1585-AZ K		
Q6501	1540000550	S.TR 2SD1664 T100Q	T	52.8/17.4
Q6601	1510001040	S.TR 2SA1037AKT146S	T	145.7/68.9
Q6602	1590000680	S.TR DTC114EUA T106	T	145.3/73.5
Q6701	1590000680	S.TR DTC114EUA T106	T	139.8/71.7
Q6702	1520000651	S.TR 2SB1201S-TL-E	T	116.9/79.3
Q6703	1540000471	S.TR 2SD1801S-TL-E	T	105/63
Q6704	1540000471	S.TR 2SD1801S-TL-E	T	124.3/79.4
Q6705	1540000471	S.TR 2SD1801S-TL-E	T	112.9/62.7
Q6706	1540000471	S.TR 2SD1801S-TL-E	T	113.3/71
Q6801	1590003051	S.FET PD55003-E	T	159.5/58
D6601	1750001061	S.DIO MBRB4030T4G	T	15.8/62.8
D6602	1730000521	ZEN RD20E-AZ B2		
D6606	1790001670	S.DIO RB706F-40T106	T	117.9/9.6
D6701	1160000140	S.DIO DAP222 TL	T	139.6/74.7
D6702	1730000481	S.ZEN RD10M-T2B-A B3	T	86.6/7.2
D6703	1790001250	S.DIO MA2511-(TX)	T	41.2/74.6
D6704	1790000681	S.DIO SB20-03P-TD-E	T	43.1/59.4
D6705	1790000681	S.DIO SB20-03P-TD-E	T	32.4/59.4
D6706	1790000681	S.DIO SB20-03P-TD-E	T	37.8/59.4
D6707	1790000681	S.DIO SB20-03P-TD-E	T	48.2/59.1
L6101	6200003840	S.COL MLF2012D R22K-T	T	180/45.5
L6102	6180000990	COL LAL 04NA 101K		
L6202	6140002220	COL LR-270 (TR6X3X2 3A9)		
L6204	2040000490	COL EXC-ELDR25C		
L6301	6140003720	COL LR-416 <KN>		
L6303	2040000490	COL EXC-ELDR25C		
L6401	2040000490	COL EXC-ELDR25C		
L6402	2040000490	COL EXC-ELDR25C		
L6403	2040000490	COL EXC-ELDR25C		
L6404	6140003590	COL LR-400 (TR10X5X5 6H3)		
L6405	6140003950	COL LR-438 <KN>		
L6406	6140002030	COL LR-230 (SK-10M-15Y 120)		
L6407	2040000490	COL EXC-ELDR25C		
L6408	6110001740	COL LA-263		
L6501	6200003261	S.COL NLV32T-101J	T	100/13
L6701	6200003590	S.COL EXCCL3225U1	T	104.2/73.8
L6702	6200002041	S.COL NLV32T-101J	T	89.3/13.2
L6703	6200003261	S.COL NLV32T-101J	T	47.6/77
L6704	6200003261	S.COL NLV32T-101J	T	50.7/77.2
L6705	6200008820	S.COL HF70ACC 635050-T	T	31.2/75.1
L6706	6200008820	S.COL HF70ACC 635050-T	T	25.7/75.2
L6707	2040000490	COL EXC-ELDR25C		
L6708	2040000490	COL EXC-ELDR25C		
L6709	6200003261	S.COL NLV32T-101J	T	44.5/77.3
L6710	6200003261	S.COL NLV32T-101J	T	41.5/77.4
L6711	2040000490	COL EXC-ELDR25C		
L6712	2040000490	COL EXC-ELDR25C		
R6101	7030003230	S.RES ERJ3GEYJ 180 V (18)	T	180.2/42.5
R6102	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	182.1/41.8
R6103	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	182.1/43.3
R6104	7030003300	S.RES ERJ3GEYJ 680 V (68)	T	176.1/47.1
R6105	7030003480	S.RES ERJ3GEYJ 222 V (2.2 k)	T	177.9/47.6
R6106	7030003520	S.RES ERJ3GEYJ 472 V (4.7 k)	T	176.1/49.7
R6107	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	174.8/49.7
R6109	7030003400	S.RES ERJ3GEYJ 471 V (470)	T	173.9/51.6
R6110	7030000210	S.RES MCR10EZJH 39 (390)	T	173.4/54.6
R6111	7030000210	S.RES MCR10EZJH 39 (390)	T	173.4/56.4
R6112	7030000210	S.RES MCR10EZJH 39 (390)	T	173.4/58.2
R6114	7030003860	S.RES ERJ3GEYJ JPW V	T	176.8/51.6
R6201	7030000250	S.RES MCR10EZJH 82 (820)	T	166.2/50.6
R6202	7030003510	S.RES ERJ3GEYJ 392 V (3.9 k)	T	165.7/46.5
R6203	7030003520	S.RES ERJ3GEYJ 472 V (4.7 k)	T	166.5/48.4
R6204	7030011130	S.RES ERJ1TYJ 1R0U (1)	T	160.1/41
R6206	7030000340	S.RES MCR10EZJH 470 (471)	T	156.2/71.5
R6207	7030004050	S.RES ERJ3GEYJ 1R0 V (1)	T	160.1/37.3
R6301	7030000260	S.RES MCR10EZJH 100 (101)	T	147.7/48.5
R6302	7030003480	S.RES ERJ3GEYJ 222 V (2.2 k)	T	148.2/44
R6303	7030003450	S.RES ERJ3GEYJ 122 V (1.2 k)	T	148.2/42.5
R6304	7310005250	TRI VM5CK-PVB 3 k		
R6401	7030010260	S.RES ERJ1TYJ 3R3 U	T	94/17.5
R6402	7030010260	S.RES ERJ1TYJ 3R3 U	T	94/21.5
R6403	7030010260	S.RES ERJ1TYJ 3R3 U	T	94.5/25.5
R6404	7030010260	S.RES ERJ1TYJ 3R3 U	T	94/72.5
R6405	7030010260	S.RES ERJ1TYJ 3R3 U	T	94/68.5
R6406	7030010260	S.RES ERJ1TYJ 3R3 U	T	94.4/64.5
R6407	7030001010	S.RES MCR50JZJH 10 (100)	T	84.3/31.5
R6408	7030001010	S.RES MCR50JZJH 10 (100)	T	84.2/56.9
R6409	7070001180	RES ERX2SJ 2R7 (2.7)		
R6410	7070001180	RES ERX2SJ 2R7 (2.7)		
R6411	7070000521	RES ERX3SJ 2R7 (2.7)		
R6412	7310005200	TRI VM5CK-PVB 2 k		
R6413	7030000300	S.RES MCR10EZJH 220 (221)	T	134.3/20.9
R6415	7070001030	RES ERG5SJ 470		
R6502	7030005981	S.RES ERA3YED 333V (33 k)	T	121.2/13.2
R6503	7030005981	S.RES ERA3YED 333V (33 k)	T	120.2/16.7
R6504	7030005971	S.RES ERA3YKD 683V (68 k)	T	122/19.7
R6505	7030005971	S.RES ERA3YKD 683V (68 k)	T	119/18.2
R6507	7030003840	S.RES ERJ3GEYJ 225 V (2.2 M)	T	118.2/13
R6509	7030003420	S.RES ERJ3GEYJ 681 V (680)	T	116/11.6
R6510	7030003440	S.RES ERJ3GEYJ 102 V (1 k)	T	107.5/14.7

[PA UNIT]

REF NO.	ORDER NO.	DESCRIPTION		M.	H/V LOCATION
R6512	7030003680	S.RES	ERJ3GEYJ 104 V (100 k)	T	108.9/18.4
R6513	7030003740	S.RES	ERJ3GEYJ 334 V (330 k)	T	109/14.7
R6514	7030003680	S.RES	ERJ3GEYJ 104 V (100 k)	T	106.8/18.4
R6515	7030003520	S.RES	ERJ3GEYJ 472 V (4.7 k)	T	103/13
R6516	7310005230	TRI	VM5CK-PVB 10 k		
R6517	7030003440	S.RES	ERJ3GEYJ 102 V (1 k)	T	105.6/14.5
R6518	7030003680	S.RES	ERJ3GEYJ 104 V (100 k)	T	103.2/17.5
R6519	7030003440	S.RES	ERJ3GEYJ 102 V (1 k)	T	115/9
R6602	7030003520	S.RES	ERJ3GEYJ 472 V (4.7 k)	T	145.1/71.6
R6603	7030003520	S.RES	ERJ3GEYJ 472 V (4.7 k)	T	143.4/68.7
R6604	7030003560	S.RES	ERJ3GEYJ 103 V (10 k)	T	143/74.6
R6701	7030010540	S.RES	ERJ1TYJ 330U (33)	T	104.3/70.2
R6702	7030003420	S.RES	ERJ3GEYJ 681 V (680)	T	82.7/6.3
R6704	7030003400	S.RES	ERJ3GEYJ 471 V (470)	T	89/9.8
R6705	7510001551	S.TMR	NTCG16 4LH 333JT	T	89.3/7
R6706	7030010540	S.RES	ERJ1TYJ 330U (33)	T	91.3/78.5
R6707	7030010540	S.RES	ERJ1TYJ 330U (33)	T	91.3/83.3
R6801	7030003370	S.RES	ERJ3GEYJ 271 V (270)	T	157.7/67.5
R6802	7030004050	S.RES	ERJ3GEYJ 1R0 V (1)	T	168.7/57.5
C6101	4030007120	S.CER	C1608 CH 1H 820J-T	T	182.1/44.6
C6102	4030007120	S.CER	C1608 CH 1H 820J-T	T	182.1/46.4
C6103	4030011600	S.CER	C1608 JB 1E 104K-T	T	177.9/46.3
C6104	4030011600	S.CER	C1608 JB 1E 104K-T	T	177.9/48.9
C6105	4030011600	S.CER	C1608 JB 1E 104K-T	T	174.8/47.1
C6106	4030011600	S.CER	C1608 JB 1E 104K-T	T	177.9/50.2
C6108	4030011600	S.CER	C1608 JB 1E 104K-T	T	167.9/46.4
C6109	4030005110	S.CER	C2012 JB 1E 473K-T	T	177.2/57.7
C6201	4030011600	S.CER	C1608 JB 1E 104K-T	T	168.5/50.1
C6202	4030011600	S.CER	C1608 JB 1E 104K-T	T	164.4/47.6
C6203	4030004750	S.CER	C2012 JB 1H 103K-T	T	160/47
C6205	4030008700	S.CER	GRM21BB1H473KA01L	T	151.2/48
C6206	4030008700	S.CER	GRM21BB1H473KA01L	T	166/74.1
C6207	4030008930	S.CER	C2012 JB 1C 563K-T	T	161.9/47.1
C6301	4030008960	S.CER	C2012 JB 1C 104K-T	T	148.7/52.7
C6302	4030011600	S.CER	C1608 JB 1E 104K-T	T	148.2/45.5
C6303	4510004591	ELE	16 ME 470 HC		
C6305	4030011600	S.CER	C1608 JB 1E 104K-T	T	128.7/65.2
C6306	4510004601	ELE	16 ME 1000 HC		
C6307	4320000811	DMI	KD20C 681J5A [AUS], [OTH] only		
C6308	4030011790	S.CER	GRM55RF52A684ZD01L	T	124.9/57.1
C6401	4030011760	S.CER	GRM55R1X2D682JV01L	T	94.5/33.5
C6403	4030011760	S.CER	GRM55R1X2D682JV01L	T	94.5/56.5
C6409	4030018370	S.CER	ERF22X 6C1H 102J D01L	T	68/44.9
C6412	4510004601	ELE	16 ME 1000 HC		
C6413	4510004601	ELE	16 ME 1000 HC		
C6414	4030004740	S.CER	C2012 JB 1H 472K-T	T	46.2/24.1
C6415	4030011790	S.CER	GRM55RF52A684ZD01L	T	40.5/23.4
C6416	4030008920	S.CER	C1608 JB 1H 473K-T	T	126.5/24.5
C6417	4510004601	ELE	16 ME 1000 HC		
C6418	4030006880	S.CER	C1608 JB 1H 472K-T	T	126.5/23.2
C6419	4030006880	S.CER	C1608 JB 1H 472K-T	T	132.7/12
C6424	4030017200	S.CER	GRM31BR32J102KY01L	T	95.6/45.1
C6425	4320000220	DMI	DM19C 681J5		
C6427	4030011600	S.CER	C1608 JB 1E 104K-T	T	150.5/24.5
C6428	4030011600	S.CER	C1608 JB 1E 104K-T	T	85.2/81.3
C6429	4030017200	S.CER	GRM31BR32J102KY01L	T	99.1/45
C6432	4030011740	S.CER	GRM32N2C2H201JV01L	T	61.8/13.3
C6433	4030011740	S.CER	GRM32N2C2H201JV01L	T	60.7/78.8
C6436	4010006410	CER	HM13SJ SL 471J 500V		
C6437	4320000270	DMI	DM20C 102J5		
C6439	4010005930	CER	HM11SJ SL 391J 500V		
C6501	4030007130	S.CER	C1608 CH 1H 101J-T	T	118.2/16
C6503	4030011600	S.CER	C1608 JB 1E 104K-T	T	112.7/11.6
C6506	4030011600	S.CER	C1608 JB 1E 104K-T	T	54.9/21.5
C6507	4510004591	ELE	16 ME 470 HC		
C6602	4030006880	S.CER	C1608 JB 1H 472K-T	T	142.1/68.7
C6603	4510004591	ELE	16 ME 470 HC		
C6604	4510009150	S.ELE	EEE1EA470WP	T	171.6/31.1
C6605	4030011600	S.CER	C1608 JB 1E 104K-T	T	166.3/19.8
C6606	4030011600	S.CER	C1608 JB 1E 104K-T	T	175.9/29.9
C6607	4510009150	S.ELE	EEE1EA470WP	T	180.4/30
C6608	4030008700	S.CER	GRM21BB1H473KA01L	T	56/5.7
C6609	4510006021	ELE	16 ME 2200 HC		
C6610	4030017320	S.CER	GRM21BB1H104KA01L	T	9.3/77.8
C6611	4030004740	S.CER	C2012 JB 1H 472K-T	T	9.3/75.5
C6612	4030004720	S.CER	C2012 JB 1H 102K-T	T	12/79.2
C6701	4030008920	S.CER	C1608 JB 1H 473K-T	T	141.7/71.7
C6702	4030008920	S.CER	C1608 JB 1H 473K-T	T	82.8/7.7
C6703	4030008920	S.CER	C1608 JB 1H 473K-T	T	88.9/11.3
C6704	4030006880	S.CER	C1608 JB 1H 472K-T	T	92.5/12.4
C6705	4030006880	S.CER	C1608 JB 1H 472K-T	T	96.1/77.4
C6706	4030006880	S.CER	C1608 JB 1H 472K-T	T	28.9/69.7
C6707	4030006880	S.CER	C1608 JB 1H 472K-T	T	39.9/70
C6708	4030006880	S.CER	C1608 JB 1H 472K-T	T	38.6/70
C6709	4030006880	S.CER	C1608 JB 1H 472K-T	T	58.8/84.3
C6710	4030006880	S.CER	C1608 JB 1H 472K-T	T	37.3/70.1
C6711	4030006880	S.CER	C1608 JB 1H 472K-T	T	36/70.1
C6712	4030006880	S.CER	C1608 JB 1H 472K-T	T	34.7/70.4
C6713	4030006880	S.CER	C1608 JB 1H 472K-T	T	31.5/70
C6714	4030006880	S.CER	C1608 JB 1H 472K-T	T	51.5/74.4
C6715	4030008920	S.CER	C1608 JB 1H 473K-T	T	41.3/73.2
C6716	4030011600	S.CER	C1608 JB 1E 104K-T	T	141.5/74.6
C6717	4030011600	S.CER	C1608 JB 1E 104K-T	T	145.1/75.4
C6801	4030011600	S.CER	C1608 JB 1E 104K-T	T	160.5/67.5
RL6701	6330001550	RLY	JV-12-KT		
J6301	6510021531	CNR	IMSA-9230B-1-04Z024-PT1		
J6302	6510021531	CNR	IMSA-9230B-1-04Z024-PT1		
J6411	6510021391	CNR	IMSA-9230B-1-03Z024-PT1		

[PA UNIT]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
J6412 J6501 J6701 J6702 J6703	6510021391 6510018961 6510021721 6510007020 6510003461	CNR IMSA-9230B-1-03Z024-PT1 S.CNR B2B-PH-SM4-TB (LF) (SN) S.CNR 30FLT-SM2-TB (LF) (SN) CNR TMP-J01X-V6 CNR B10B-EH-S (LF) (SN)	T T	64.9/7.7 104.2/80
F6701 F6702 F6703	5210000061 5220000230 5220000230	FUS FGB 5A PBF (FGB0 125V) HOL S-N5054 #01 HOL S-N5054 #01		
W6601	9040401015	WIR 74/98/045/X98/X98		
EP6601 EP6602 EP6603 EP6605	6910000630 6510018330 6510018330 6910016010	BEA FSRH070140RN000B (FSOH070RN) TER F4053A TER F4053A TUB Tube 20 L=20MM		[OTH], [EXP] only

[DRIVER BOARD]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
Q6851	1590003061	S.FET PD55015-E		
R6851 R6852	7030010440 7030000020	S.RES ERJ1TYJ 680U (68) S.RES MCR10EZHZ 1 (010)		
C6851	4030004750	S.CER C2012 JB 1H 103K-T		

[VARISTOR-1 BOARD]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
D6431	1790001760	S.VSR MA30-(TX)		
C6431	4030008920	S.CER C1608 JB 1H 473K-T		

[VARISTOR-2 BOARD]

REF NO.	ORDER NO.	DESCRIPTION	M.	H/V LOCATION
D6432	1790001760	S.VSR MA30-(TX)		
C6432	4030008920	S.CER C1608 JB 1H 473K-T		

[DSP UNIT]

REF NO.	ORDER NO.	DESCRIPTION
IC9001 IC9003 IC9004 IC9005 IC9015 IC9051 IC9101 IC9102 IC9152 IC9161 IC9171 IC9201 IC9202 IC9203 IC9301 IC9401 IC9403 IC9404 IC9405 IC9406 IC9501 IC9651 IC9701 IC9801	1130010540 1130010540 1130010540 1130011151 1130011841 1130011851 1130010520 1110004770 1180002321 1180002020 1180002271 1130012702 1130008041 1130008811 1140010330 1130010550 1130010530 1130010530 1130004670 1130010540 1190001611 1110005420 1110001901 1130010560	S.IC SN74AHC74PWR S.IC SN74AHC74PWR S.IC SN74AHC74PWR S.IC SN74AHC2G08HDOCT3 S.IC TC7SZU04FU (TE85L,F) S.IC TC7WZU04FU (TE12L,F) S.IC SN74HCT244APWR S.IC BU9480F-E2 S.REG TK11218CMCL-G S.REG BA033FP-E2 S.REG TK11250CMCL-G S.IC AT49LV1024A-45VL S.IC TC7SH04FU (TE85L,JF) S.IC TC7SH32FU (TE85L,JF) S.IC TMS320VC33PGEA120 S.IC SN74AHC595PWR S.IC SN74AHC74PWR S.IC SN74AHC74PWR S.IC BU4021BF-E2 S.IC SN74AHC74PWR S.IC AK4528VFP-E2/P S.IC BA15532F-E2 S.IC uPC4570G2-E1-A S.IC SN74AHC244PWR
Q9021 Q9201 Q9301 Q9302	1530002060 1590001660 1590000430 1590000430	S.TR 2SC4081 T106 R S.TR XP4312 (TX) S.TR DTC144EUA T106 S.TR DTC144EUA T106
D9301 D9302 D9303 D9304 D9305 D9501 D9901	1750000370 1750000370 1750000370 1750000370 1790000810 1750000370 1790000660	S.DIO DA221 TL S.DIO DA221 TL S.DIO DA221 TL S.DIO DA221 TL S.DIO MA132A (TX) S.DIO DA221 TL S.DIO MA728 (TX)
X9051	6050011270	S.XTL CR-709 (60.000 MHz)
L9001 L9002 L9003 L9005 L9015 L9051 L9052 L9101 L9102 L9301 L9302 L9401 L9403 L9404 L9405 L9406 L9501 L9502 L9651 L9701 L9801	6200003281 6200003281 6200003281 6200003281 6200003281 6200003281 6200001981 6200003281 6200003281 6200003281 6200009840 6200003281 6200003281 6200003281 6200003281 6200003281 6200003281 6200003281 6200002041 6200002041 6200003281	S.COL NLV25T-2R2J S.COL NLV25T-2R2J S.COL NLV25T-2R2J S.COL NLV25T-2R2J S.COL NLV25T-2R2J S.COL NLV25T-2R2J S.COL NLV25T-1R0J S.COL NLV25T-2R2J S.COL NLV25T-2R2J S.COL NLV25T-2R2J S.COL LQH32CN2R2M23L S.COL NLV25T-2R2J S.COL NLV25T-2R2J S.COL NLV25T-2R2J S.COL NLV25T-2R2J S.COL NLV25T-2R2J S.COL NLV25T-2R2J S.COL NLV25T-2R2J S.COL NLV25T-101J S.COL NLV25T-101J S.COL NLV25T-2R2J
R9001 R9002 R9003 R9015 R9016 R9021 R9022 R9023 R9051 R9052 R9151 R9161 R9162 R9171 R9201 R9202 R9203 R9204 R9303 R9304 R9305 R9306 R9307 R9308 R9309 R9310 R9311 R9312 R9313 R9315 R9317 R9318 R9320 R9321 R9322 R9323 R9324	7030008240 7030003320 7030003320 7030003800 7030003860 7030003320 7030003760 7030003440 7030003800 7030003320 7030007240 7030008190 7030007510 7030007180 7030003640 7030003860 7030003860 7030003860 7030003480 7030003480 7030003560 7030003560 7030003560 7030003560 7030003560 7030003560 7030003560 7030003560 7030003560 7030003560 7030003560 7030003560 7030003520 7030003520 7030003280 7030003560 7030003560	S.RES ERJ12Y0R00U S.RES ERJ3GEYJ 101 V (100) S.RES ERJ3GEYJ 101 V (100) S.RES ERJ3GEYJ 105 V (1 M) S.RES ERJ3GE JPW V S.RES ERJ3GEYJ 101 V (100) S.RES ERJ3GEYJ 474 V (470 k) S.RES ERJ3GEYJ 102 V (1 k) S.RES ERJ3GEYJ 105 V (1 M) S.RES ERJ3GEYJ 101 V (100) S.RES ERJ12YJ680U (68) S.RES ERJ12YJ330U (33) S.RES ERJ12YJ270U (27) S.RES ERJ12YJ150U (15) S.RES ERJ3GEYJ 473 V (47 k) S.RES ERJ3GE JPW V S.RES ERJ3GE JPW V S.RES ERJ3GE JPW V S.RES ERJ3GEYJ 222 V (2.2 k) S.RES ERJ3GEYJ 222 V (2.2 k) S.RES ERJ3GEYJ 103 V (10 k) S.RES ERJ3GEYJ 103 V (10 k) S.RES ERJ3GEYJ 103 V (10 k) S.RES ERJ3GEYJ 103 V (10 k) S.RES ERJ3GEYJ 103 V (10 k) S.RES ERJ3GEYJ 103 V (10 k) S.RES ERJ3GEYJ 103 V (10 k) S.RES ERJ3GE JPW V S.RES ERJ3GEYJ 103 V (10 k) S.RES ERJ3GEYJ 103 V (10 k) S.RES ERJ3GEYJ 472 V (4.7 k) S.RES ERJ3GEYJ 472 V (4.7 k) S.RES ERJ3GEYJ 470 V (47) S.RES ERJ3GEYJ 103 V (10 k) S.RES ERJ3GEYJ 103 V (10 k)

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

[DSP UNIT]

REF NO.	ORDER NO.	DESCRIPTION
R9325	7030003560	S.RES ERJ3GEYJ 103 V (10 k)
R9326	7030003560	S.RES ERJ3GEYJ 103 V (10 k)
R9327	7030003560	S.RES ERJ3GEYJ 103 V (10 k)
R9328	7030003560	S.RES ERJ3GEYJ 103 V (10 k)
R9329	7030003440	S.RES ERJ3GEYJ 102 V (1 k)
R9330	7030003440	S.RES ERJ3GEYJ 102 V (1 k)
R9331	7030003440	S.RES ERJ3GEYJ 102 V (1 k)
R9332	7030003440	S.RES ERJ3GEYJ 102 V (1 k)
R9333	7030003860	S.RES ERJ3GE JPW V
R9334	7030003860	S.RES ERJ3GE JPW V
R9335	7030003860	S.RES ERJ3GE JPW V
R9336	7030003860	S.RES ERJ3GE JPW V
R9337	7030003860	S.RES ERJ3GE JPW V
R9338	7030003860	S.RES ERJ3GE JPW V
R9501	7030004040	S.RES ERJ3GEYJ 4R7 V (4.7)
R9601	7030006581	S.RES ERA3YED 122V (1.2 k)
R9602	7030009591	S.RES ERA3YED 472V (4.7 k)
R9603	7030007230	S.RES ERA3YED 102V (1 k)
R9604	7030007230	S.RES ERA3YED 102V (1 k)
R9651	7030010450	S.RES ERA3YED 391V (390)
R9652	7030010450	S.RES ERA3YED 391V (390)
R9653	7030007230	S.RES ERA3YED 102V (1 k)
R9654	7030007230	S.RES ERA3YED 102V (1 k)
R9655	7030009591	S.RES ERA3YED 472V (4.7 k)
R9656	7030009591	S.RES ERA3YED 472V (4.7 k)
R9657	7030009591	S.RES ERA3YED 472V (4.7 k)
R9658	7030009591	S.RES ERA3YED 472V (4.7 k)
R9659	7030005331	S.RES ERA3YED 562V (5.6 k)
R9701	7030003520	S.RES ERJ3GEYJ 472 V (4.7 k)
R9702	7030003520	S.RES ERJ3GEYJ 472 V (4.7 k)
R9703	7030003500	S.RES ERJ3GEYJ 332 V (3.3 k)
R9704	7030003540	S.RES ERJ3GEYJ 682 V (6.8 k)
R9705	7030003500	S.RES ERJ3GEYJ 332 V (3.3 k)
R9706	7030003540	S.RES ERJ3GEYJ 682 V (6.8 k)
R9707	7030003440	S.RES ERJ3GEYJ 102 V (1 k)
R9708	7030003440	S.RES ERJ3GEYJ 102 V (1 k)
R9751	7030003520	S.RES ERJ3GEYJ 472 V (4.7 k)
R9752	7030003520	S.RES ERJ3GEYJ 472 V (4.7 k)
R9753	7030003500	S.RES ERJ3GEYJ 332 V (3.3 k)
R9754	7030003540	S.RES ERJ3GEYJ 682 V (6.8 k)
R9755	7030003500	S.RES ERJ3GEYJ 332 V (3.3 k)
R9756	7030003540	S.RES ERJ3GEYJ 682 V (6.8 k)
R9757	7030003440	S.RES ERJ3GEYJ 102 V (1 k)
R9758	7030003440	S.RES ERJ3GEYJ 102 V (1 k)
R9801	7030003680	S.RES ERJ3GEYJ 104 V (100 k)
R9802	7030003680	S.RES ERJ3GEYJ 104 V (100 k)
R9803	7030003680	S.RES ERJ3GEYJ 104 V (100 k)
R9804	7030003680	S.RES ERJ3GEYJ 104 V (100 k)
R9805	7030003680	S.RES ERJ3GEYJ 104 V (100 k)
R9901	7030003560	S.RES ERJ3GEYJ 103 V (10 k)
R9902	7030003560	S.RES ERJ3GEYJ 103 V (10 k)
R9903	7030003560	S.RES ERJ3GEYJ 103 V (10 k)
R9904	7030003560	S.RES ERJ3GEYJ 103 V (10 k)
R9905	7030003560	S.RES ERJ3GEYJ 103 V (10 k)
R9906	7030003560	S.RES ERJ3GEYJ 103 V (10 k)
R9907	7030003860	S.RES ERJ3GE JPW V
R9908	7030008240	S.RES ERJ12Y0R00U
C9001	4030006880	S.CER C1608 JB 1H 472K-T
C9004	4030006880	S.CER C1608 JB 1H 472K-T
C9005	4030006880	S.CER C1608 JB 1H 472K-T
C9007	4030011600	S.CER C1608 JB 1E 104K-T
C9015	4030006880	S.CER C1608 JB 1H 472K-T
C9016	4030006880	S.CER C1608 JB 1H 472K-T
C9021	4030006880	S.CER C1608 JB 1H 472K-T
C9022	4030006880	S.CER C1608 JB 1H 472K-T
C9051	4030006880	S.CER C1608 JB 1H 472K-T
C9052	4030006960	S.CER C1608 CH 1H 050C-T
C9053	4030006960	S.CER C1608 CH 1H 050C-T
C9054	4030007110	S.CER C1608 CH 1H 680J-T
C9101	4030011600	S.CER C1608 JB 1E 104K-T
C9102	4510008540	S.ELE EEE1CA100SR
C9103	4030011600	S.CER C1608 JB 1E 104K-T
C9104	4510008540	S.ELE EEE1CA100SR
C9154	4030011600	S.CER C1608 JB 1E 104K-T
C9155	4030011600	S.CER C1608 JB 1E 104K-T
C9156	4030011600	S.CER C1608 JB 1E 104K-T
C9157	4510008540	S.ELE EEE1CA100SR
C9158	4550007510	S.TAN F931C106MBABMA
C9161	4550007320	S.TAN F930J226MAABMA
C9162	4030011600	S.CER C1608 JB 1E 104K-T
C9163	4030011600	S.CER C1608 JB 1E 104K-T
C9164	4510008540	S.ELE EEE1CA100SR
C9171	4030011600	S.CER C1608 JB 1E 104K-T
C9172	4030011600	S.CER C1608 JB 1E 104K-T
C9173	4030011600	S.CER C1608 JB 1E 104K-T
C9174	4510008540	S.ELE EEE1CA100SR
C9175	4510008540	S.ELE EEE1CA100SR
C9201	4030011600	S.CER C1608 JB 1E 104K-T
C9202	4030011600	S.CER C1608 JB 1E 104K-T
C9203	4030011600	S.CER C1608 JB 1E 104K-T
C9301	4030006880	S.CER C1608 JB 1H 472K-T
C9302	4030006880	S.CER C1608 JB 1H 472K-T
C9303	4030011600	S.CER C1608 JB 1E 104K-T
C9304	4030006880	S.CER C1608 JB 1H 472K-T
C9305	4030011600	S.CER C1608 JB 1E 104K-T
C9306	4030011600	S.CER C1608 JB 1E 104K-T
C9307	4030011600	S.CER C1608 JB 1E 104K-T
C9308	4030011600	S.CER C1608 JB 1E 104K-T
C9309	4030006880	S.CER C1608 JB 1H 472K-T
C9311	4030006880	S.CER C1608 JB 1H 472K-T
C9312	4030011600	S.CER C1608 JB 1E 104K-T
C9313	4030011600	S.CER C1608 JB 1E 104K-T

[DSP UNIT]

REF NO.	ORDER NO.	DESCRIPTION
C9314	4030006880	S.CER C1608 JB 1H 472K-T
C9315	4030011600	S.CER C1608 JB 1E 104K-T
C9316	4030006880	S.CER C1608 JB 1H 472K-T
C9317	4030011600	S.CER C1608 JB 1E 104K-T
C9318	4030006880	S.CER C1608 JB 1H 472K-T
C9319	4030006880	S.CER C1608 JB 1H 472K-T
C9320	4030011600	S.CER C1608 JB 1E 104K-T
C9321	4030011600	S.CER C1608 JB 1E 104K-T
C9322	4030006880	S.CER C1608 JB 1H 472K-T
C9323	4030011600	S.CER C1608 JB 1E 104K-T
C9324	4030006880	S.CER C1608 JB 1H 472K-T
C9325	4030006880	S.CER C1608 JB 1H 472K-T
C9401	4030006880	S.CER C1608 JB 1H 472K-T
C9403	4030006880	S.CER C1608 JB 1H 472K-T
C9404	4030006880	S.CER C1608 JB 1H 472K-T
C9405	4030006880	S.CER C1608 JB 1H 472K-T
C9406	4030006880	S.CER C1608 JB 1H 472K-T
C9407	4030006880	S.CER C1608 JB 1H 102K-T
C9408	4030006860	S.CER C1608 JB 1H 102K-T
C9504	4510008530	S.ELE EEE1HA2R2SR
C9505	4030011600	S.CER C1608 JB 1E 104K-T
C9506	4550007320	S.TAN F930J226MAABMA
C9507	4030011600	S.CER C1608 JB 1E 104K-T
C9508	4030011600	S.CER C1608 JB 1E 104K-T
C9509	4030011600	S.CER C1608 JB 1E 104K-T
C9510	4550007320	S.TAN F930J226MAABMA
C9511	4030007050	S.CER C1608 CH 1H 220J-T
C9601	4510008540	S.ELE EEE1CA100SR
C9602	4030009980	S.CER C1608 JB 1H 152K-T
C9604	4510008540	S.ELE EEE1CA100SR
C9605	4030011600	S.CER C1608 JB 1E 104K-T
C9651	4030009980	S.CER C1608 JB 1H 152K-T
C9652	4030011600	S.CER C1608 JB 1E 104K-T
C9653	4510008540	S.ELE EEE1CA100SR
C9654	4030011600	S.CER C1608 JB 1E 104K-T
C9655	4510009160	S.ELE EEE1HA010NR
C9701	4030011280	S.CER C1608 CH 1H 271J-T
C9702	4030007130	S.CER C1608 CH 1H 101J-T
C9703	4030011600	S.CER C1608 JB 1E 104K-T
C9704	4510008540	S.ELE EEE1CA100SR
C9705	4030007130	S.CER C1608 CH 1H 101J-T
C9706	4030011600	S.CER C1608 JB 1E 104K-T
C9707	4510008500	S.ELE EEE1CA101WP
C9708	4510008540	S.ELE EEE1CA100SR
C9751	4030011280	S.CER C1608 CH 1H 271J-T
C9752	4030007130	S.CER C1608 CH 1H 101J-T
C9755	4030007130	S.CER C1608 CH 1H 101J-T
C9756	4030011600	S.CER C1608 JB 1E 104K-T
C9757	4510008500	S.ELE EEE1CA101WP
C9758	4510008540	S.ELE EEE1CA100SR
C9801	4030006880	S.CER C1608 JB 1H 472K-T
C9802	4030006860	S.CER C1608 JB 1H 102K-T
C9901	4030006860	S.CER C1608 JB 1H 102K-T
J9901	6910013900	CNR IMSA-9180S-22A
J9902	6910012460	CNR IMSA-9180S-30A

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

• RC-26

[FRONT UNIT]

REF NO.	ORDER NO.	DESCRIPTION		M.
W8001	8900009230	CABLE	OPC-908 (P=1 N=10 L=60)	
W8002	8900012650	CABLE	OPC-1272 TYX4003-210100	
W8005	8900008860	CABLE	OPC-875 (N:20 L:70)	

[DISPLAY BOARD]

REF NO.	ORDER NO.	DESCRIPTION		M.
IC8201	1140011600	S.IC	HD64F2134AFA20 (EX-2621A)	B
IC8202	1110005770	S.IC	S-80942CNMC-G9C-T2	B
IC8205	1130009700	S.IC	LC73872M-TRM	B
IC8250	1130005720	S.IC	TC7W04F (TE12L)	B
IC8280	1110005450	S.IC	TS522IDT	B
IC8290	1180001070	S.IC	TA7805F (TE16L)	B
IC8301	1110002510	S.IC	AN8009M-(E1)	B
IC8310	1180001540	S.IC	TA78L08F (TE12R)	B
Q8251	1590001650	S.TRANSISTOR	XP4601 (TX)	B
Q8281	1530002850	S.TRANSISTOR	2SC4116-BL (TE85R)	B
Q8282	1590000680	S.TRANSISTOR	DTC114EUA T106	B
Q8300	1540000440	S.TRANSISTOR	2SD1619-T-TD	B
Q8301	1540000440	S.TRANSISTOR	2SD1619-T-TD	B
Q8302	1590000680	S.TRANSISTOR	DTC114EUA T106	B
Q8303	1540000440	S.TRANSISTOR	2SD1619-T-TD	B
Q8311	1590001330	S.TRANSISTOR	DTA114EUA T106	B
Q8312	1590000680	S.TRANSISTOR	DTC114EUA T106	B
Q8701	1590000680	S.TRANSISTOR	DTC114EUA T106	B
D8201	1750000370	S.DIODE	DA221 TL	B
D8203	1750000370	S.DIODE	DA221 TL	B
D8204	1750000550	S.DIODE	1SS355 TE-17	B
D8221	1750000550	S.DIODE	1SS355 TE-17	B
D8250	1750000550	S.DIODE	1SS355 TE-17	B
D8280	1750000370	S.DIODE	DA221 TL	B
X8211	6050010501	S.XTAL	CR-636A (14.7456 MHz)	B
X8212	6060000760	S.CERAMIC	EFOP3584E5	B
L8201	6200009300	S.COIL	ELJPA 100KF 10U	B
L8202	6200005010	S.COIL	NL 252018T-100J	B
L8203	6200005010	S.COIL	NL 252018T-100J	B
L8204	6200003950	S.COIL	HF50ACC 322513-T	B
L8205	6200003950	S.COIL	HF50ACC 322513-T	B
L8206	6200003950	S.COIL	HF50ACC 322513-T	B
L8286	6200003520	S.COIL	ELJFB 102K-F	B
L8290	6200003950	S.COIL	HF50ACC 322513-T	B
L8291	6150005170	COIL	ELELN 102KA	B
R8201	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)	B
R8202	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)	B
R8203	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)	B
R8204	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)	B
R8205	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)	B
R8206	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)	B
R8207	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)	B
R8208	7030003650	S.RESISTOR	ERJ3GEYJ 563 V (56 kΩ)	B
R8209	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)	B
R8210	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)	B
R8211	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)	B
R8212	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)	B
R8213	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)	B
R8214	7030003860	S.RESISTOR	ERJ3GE JPW V	B
R8215	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)	B
R8216	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)	B
R8219	7030000010	S.RESISTOR	MCR10EZJH JPW (000)	B
R8220	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)	B
R8221	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)	B
R8222	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)	B
R8223	7030003480	S.RESISTOR	ERJ3GEYJ 222 V (2.2 kΩ)	B
R8224	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)	B
R8225	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)	B
R8226	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)	B
R8227	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)	B
R8228	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)	B
R8239	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)	B

[DISPLAY BOARD]

REF NO.	ORDER NO.	DESCRIPTION		M.
R8240	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)	B
R8241	7030003800	S.RESISTOR	ERJ3GEYJ 105 V (1 MΩ)	B
R8242	7030003400	S.RESISTOR	ERJ3GEYJ 471 V (470 Ω)	B
R8244	7030003860	S.RESISTOR	ERJ3GE JPW V	B
R8246	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)	B
R8247	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)	B
R8250	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)	B
R8251	7030003590	S.RESISTOR	ERJ3GEYJ 183 V (18 kΩ)	B
R8252	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)	B
R8253	7030003540	S.RESISTOR	ERJ3GEYJ 682 V (6.8 kΩ)	B
R8254	7030003620	S.RESISTOR	ERJ3GEYJ 333 V (33 kΩ)	B
R8255	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)	B
R8272	7030003860	S.RESISTOR	ERJ3GE JPW V	B
R8273	7030003860	S.RESISTOR	ERJ3GE JPW V	B
R8274	7030003660	S.RESISTOR	ERJ3GEYJ 683 V (68 kΩ)	B
R8275	7030003500	S.RESISTOR	ERJ3GEYJ 332 V (3.3 kΩ)	B
R8276	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)	B
R8278	7030003570	S.RESISTOR	ERJ3GEYJ 123 V (12 kΩ)	B
R8279	7030003600	S.RESISTOR	ERJ3GEYJ 223 V (22 kΩ)	B
R8280	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)	B
R8281	7030003680	S.RESISTOR	ERJ3GEYJ 104 V (100 kΩ)	B
R8282	7030003690	S.RESISTOR	ERJ3GEYJ 124 V (120 kΩ)	B
R8283	7030003440	S.RESISTOR	ERJ3GEYJ 102 V (1 kΩ)	B
R8284	7030003650	S.RESISTOR	ERJ3GEYJ 563 V (56 kΩ)	B
R8285	7030003400	S.RESISTOR	ERJ3GEYJ 471 V (470 Ω)	B
R8287	7030003560	S.RESISTOR	ERJ3GEYJ 103 V (10 kΩ)	B
R8289	7030003460	S.RESISTOR	ERJ3GEYJ 152 V (1.5 kΩ)	B
R8290	7030006060	S.RESISTOR	ERJ12YJ100U (10 Ω)	B
R8300	7030003510	S.RESISTOR	ERJ3GEYJ 392 V (3.9 kΩ)	B
R8301	7030003330	S.RESISTOR	ERJ3GEYJ 121 V (120 Ω)	B
R8302	7030003510	S.RESISTOR	ERJ3GEYJ 392 V (3.9 kΩ)	B
R8303	7030003380	S.RESISTOR	ERJ3GEYJ 331 V (330 Ω)	B
R8306	7030003510	S.RESISTOR	ERJ3GEYJ 392 V (3.9 kΩ)	B
R8307	7030003330	S.RESISTOR	ERJ3GEYJ 121 V (120 Ω)	B
R8313	7030003320	S.RESISTOR	ERJ3GEYJ 101 V (100 Ω)	B
R8706	7030003310	S.RESISTOR	ERJ3GEYJ 820 V (82 Ω)	B
R8707	7030003420	S.RESISTOR	ERJ3GEYJ 681 V (680 Ω)	B
R8708	7510001460	S.THERMISTOR	NTCG16 3NH 471KT	B
C8201	4030011600	S.CERAMIC	C1608 JB 1E 104K-T	B
C8202	4510006220	S.ELECTROLYTIC	ECEV1CA101UP	B
C8203	4030011600	S.CERAMIC	C1608 JB 1E 104K-T	B
C8204	4030011600	S.CERAMIC	C1608 JB 1E 104K-T	B
C8205	4030006900	S.CERAMIC	C1608 JB 1H 103K-T	B
C8206	4030007020	S.CERAMIC	C1608 CH 1H 120J-T	B
C8207	4030007020	S.CERAMIC	C1608 CH 1H 120J-T	B
C8208	4030011600	S.CERAMIC	C1608 JB 1E 104K-T	B
C8209	4030006900	S.CERAMIC	C1608 JB 1H 103K-T	B
C8213	4030006880	S.CERAMIC	C1608 JB 1H 472K-T	B
C8214	4030006880	S.CERAMIC	C1608 JB 1H 472K-T	B
C8215	4030007020	S.CERAMIC	C1608 CH 1H 120J-T	B
C8216	4030007020	S.CERAMIC	C1608 CH 1H 120J-T	B
C8220	4030017480	S.CERAMIC	C1608 JB 1A 474K-T	B
C8221	4030006880	S.CERAMIC	C1608 JB 1H 472K-T	B
C8222	4030006880	S.CERAMIC	C1608 JB 1H 472K-T	B
C8225	4030006880	S.CERAMIC	C1608 JB 1H 472K-T	B
C8226	4030006880	S.CERAMIC	C1608 JB 1H 472K-T	B
C8227	4030011600	S.CERAMIC	C1608 JB 1E 104K-T	B
C8229	4030011600	S.CERAMIC	C1608 JB 1E 104K-T	B
C8244	4510004630	S.ELECTROLYTIC	ECEV1CA100SR	B
C8246	4030006860	S.CERAMIC	C1608 JB 1H 102K-T	B
C8250	4030006900	S.CERAMIC	C1608 JB 1H 103K-T	B
C8280	4510005310	S.ELECTROLYTIC	ECEV1CA220SR	B
C8281	4030006880	S.CERAMIC	C1608 JB 1H 472K-T	B
C8282	4510004630	S.ELECTROLYTIC	ECEV1CA100SR	B
C8283	4510004630	S.ELECTROLYTIC	ECEV1CA100SR	B
C8284	4510005860	S.ELECTROLYTIC	ECEV1HA2R2SR	B
C8285	4510004630	S.ELECTROLYTIC	ECEV1CA100SR	B
C8286	4510004640	S.ELECTROLYTIC	ECEV1CA470SP	B
C8287	4510004650	S.ELECTROLYTIC	ECEV1EA4R7SR	B
C8288	4030006880	S.CERAMIC	C1608 JB 1H 472K-T	B
C8289	4030006880	S.CERAMIC	C1608 JB 1H 472K-T	B
C8290	4510004640	S.ELECTROLYTIC	ECEV1CA470SP	B
C8291	4030011600	S.CERAMIC	C1608 JB 1E 104K-T	B
C8292	4030011600	S.CERAMIC	C1608 JB 1E 104K-T	B
C8293	4510004640	S.ELECTROLYTIC	ECEV1CA470SP	B
C8294	4030007130	S.CERAMIC	C1608 CH 1H 101J-T	B
C8295	4030006880	S.CERAMIC	C1608 JB 1H 472K-T	B
C8297	4030006880	S.CERAMIC	C1608 JB 1H 472K-T	B
C8298	4030006880	S.CERAMIC	C1608 JB 1H 472K-T	B
C8299	4030007090	S.CERAMIC	C1608 CH 1H 470J-T	B
C8300	4030007090	S.CERAMIC	C1608 CH 1H 470J-T	B
C8301	4510004640	S.ELECTROLYTIC	ECEV1CA470SP	B
C8302	4030011600	S.CERAMIC	C1608 JB 1E 104K-T	B
C8303	4030011600	S.CERAMIC	C1608 JB 1E 104K-T	B
C8304	4510004640	S.ELECTROLYTIC	ECEV1CA470SP	B
C8310	4510004640	S.ELECTROLYTIC	ECEV1CA470SP	B

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

S.=Surface mount

[DISPLAY BOARD]

REF NO.	ORDER NO.	DESCRIPTION		M.
C8311	4030011600	S.CERAMIC	C1608 JB 1E 104K-T	B
C8312	4030011600	S.CERAMIC	C1608 JB 1E 104K-T	B
C8313	4510004640	S.ELECTROLYTIC	ECEV1CA470SP	B
J8201	6510021260	S.CONNECTOR	B9B-ZR-SM3-TF	B
J8202	6510022620	S.CONNECTOR	10FMN-BMTTR-A-TBT	B
J8205	6510022540	S.CONNECTOR	20FMN-BMTTR-A-TBT	B
J8701	6450001470	CONNECTOR	95003-2881	T
J8702	6510022620	S.CONNECTOR	10FMN-BMTTR-A-TBT	B
DS8300	5040002470	S.LED	FY1112H	T
DS8301	5040002470	S.LED	FY1112H	T
DS8302	5040002470	S.LED	FY1112H	T
DS8303	5040002470	S.LED	FY1112H	T
DS8304	5040002470	S.LED	FY1112H	T
DS8305	5040002030	S.LED	CL-170Y-CD-T	T
DS8306	5040002030	S.LED	CL-170Y-CD-T	T
DS8308	5040002030	S.LED	CL-170Y-CD-T	T
DS8309	5040002030	S.LED	CL-170Y-CD-T	T
DS8311	5040002030	S.LED	CL-170Y-CD-T	T
DS8312	5040002030	S.LED	CL-170Y-CD-T	T
DS8313	5040002030	S.LED	CL-170Y-CD-T	T
DS8314	5040002030	S.LED	CL-170Y-CD-T	T
S8201	2250000480	ENCODER	EVEHE1F2524B	T
EP8292	6910012350	S.BEAD	MMZ1608Y 102BT	B
EP8293	6910012350	S.BEAD	MMZ1608Y 102BT	B
EP8294	6910012350	S.BEAD	MMZ1608Y 102BT	B
EP8295	6910012350	S.BEAD	MMZ1608Y 102BT	B

[REAR BOARD]

REF NO.	ORDER NO.	DESCRIPTION		M.
R8801	7030010540	S.RESISTOR	ERJ1TYJ 330U (33 Ω)	T
R8802	7030010540	S.RESISTOR	ERJ1TYJ 330U (33 Ω)	T
R8803	7030010540	S.RESISTOR	ERJ1TYJ 330U (33 Ω)	T
C8801	4030006880	S.CERAMIC	C1608 JB 1H 472K-T	T
J8801	6450000140	CONNECTOR	HSJ0807-01-010	T
J8802	6510022620	S.CONNECTOR	10FMN-BMTTR-A-TBT	T

[CONNECT BOARD]

REF NO.	ORDER NO.	DESCRIPTION		M.
L8920	6200001830	S.COIL	NL 322522T-100J	B
L8921	6200001830	S.COIL	NL 322522T-100J	B
R8941	7030003830	S.RESISTOR	ERJ3GEYJ 185 V (1.8 MΩ)	B
R8942	7030003840	S.RESISTOR	ERJ3GEYJ 225 V (2.2 MΩ)	B
R8943	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)	B
R8944	7030003640	S.RESISTOR	ERJ3GEYJ 473 V (47 kΩ)	B
R8946	7030003830	S.RESISTOR	ERJ3GEYJ 185 V (1.8 MΩ)	B
C8930	4030011600	S.CERAMIC	C1608 JB 1E 104K-T	B
C8931	4030011600	S.CERAMIC	C1608 JB 1E 104K-T	B
C8932	4550006450	S.TANTALUM	ECST1EY105R	B
C8933	4550006450	S.TANTALUM	ECST1EY105R	B
C8934	4550006450	S.TANTALUM	ECST1EY105R	B
C8935	4550006450	S.TANTALUM	ECST1EY105R	B
C8936	4550006450	S.TANTALUM	ECST1EY105R	B
C8937	4030011600	S.CERAMIC	C1608 JB 1E 104K-T	B
J8920	6510022540	S.CONNECTOR	20FMN-BMTTR-A-TBT	B
DS8920	5030002670	LCD	F7000 LCD ASSEMBLY	T

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

S.=Surface mount

SECTION 7

MECHANICAL PARTS

• IC-F7000

[CHASSIS PARTS]

REF NO.	ORDER NO.	DESCRIPTION	QTY.
J4501	6510000370	MR-DS	1
P4501	6510003240	TMP-P01X-A1	1
P4520	6510003240	TMP-P01X-A1	1
P4521	6510003240	TMP-P01X-A1	1
W4501	8900012620	OPC-1270	1
W4502	8900012630	OPC-1271	1
W4503	9026200010	62/99/070/C31/W17D	1
W4504	9086700300	Wire 08	1
W4505	8900012640	OPC-1269	1
W4506	8900015231	OPC-1130A-1	1
W4507	8900015231	OPC-1130A-1	1
W4520	9026200020	62/99/190/C31/C31	1
W4521	9086700300	Wire 08	1
MP4501	8010019331	2620 CHASSIS-1	1
MP4502	8110008011	2620 T-COVER-1	1
MP4503	8110008001	2620 U-COVER-1	1
MP4504	8930061071	2620 A-FRONT PLATE-1	1
MP4508	8930035230	1546 TR-A CLIP	1
MP4509	8820000530	Flange bolt M4X8 NI	1
MP4511	8930040590	Rubber leg (K)	4
MP4512	8810005771	Screw BiH M3X8 ZK3	2
MP4513	8810005771	Screw BiH M3X8 ZK3	16
MP4514	8810003171	Setscrew (A) 3X8 ZC3	5
MP4515	8810003171	Setscrew (A) 3X8 ZC3	2
MP4516	8930037001	1691 EARTH PLATE-1	1
MP4517	8810008661	Screw BT B0 3X8 NI-ZC3 (BT)	8
MP4518	8810008661	Screw BT B0 3X8 NI-ZC3 (BT)	4
MP4519	8810008661	Screw BT B0 3X8 NI-ZC3 (BT)	13
MP4520	8810008661	Screw BT B0 3X8 NI-ZC3 (BT)	2
MP4521	8810007231	Setscrew (H) 3X8 ZC3	2
MP4527	8810006701	Screw BT B0 2.6X8 ZK3	1
MP4528	8930061520	Shield sponge (AC)	1
MP4529	8930042620	Sponge (ES)	1
MP4530	8810005771	Screw BiH M3X8 ZK3	1
MP4531	8930053472	THERMALLY SHEET (R)-2	1

[MAIN UNIT]

REF NO.	ORDER NO.	DESCRIPTION	QTY.
J1	6510007020	TMP-J01X-V6	1
J51	6510007020	TMP-J01X-V6	1
J301	6510007020	TMP-J01X-V6	1
J601	6510007020	TMP-J01X-V6	1
J1101	6510021651	IMSA-9180B-30B-PT1	1
J1102	6510022811	IMSA-9180B-22B-PT1	1
J1451	6450000103	HSJ1857-016220	1
J1801	6510023841	TCS5107-1820177	1
J1901*	6510021721	30FLT-SM2-TB (LF) (SN)	1
J2051	6510023051	TCS7286-0124177	1
J3001*	6510022621	10FMN-BMTTR-A-TBT (LF) (SN)	1
J3601*	6510023091	20FLT-SM2-TB (LF) (SN)	1
J3602*	6510021721	30FLT-SM2-TB (LF) (SN)	1
MP201	8510013390	2355 MIX CASE	1
MP203	8510005980	724 Shield case	1
MP204	8510005990	724 Shield case cover	1
MP401	8930014140	Earth spring (D)	1
MP601	8510005980	724 Shield case	1
MP602	8510005990	724 Shield case cover	1
MP1451	8850002060	PLAIN WASHER M6 SUS 6.5X13X0.5	1
MP1452	8830001670	HSJ0999-01-190	1
MP1501	8510013140	2241 DC-A CASE	1
MP1502	8930063000	THERMALLY SHEET (AQ)	1

[DSP UNIT]

REF NO.	ORDER NO.	DESCRIPTION	QTY.
J9901	6910013900	IMSA-9180S-22A	1
J9902	6910012460	IMSA-9180S-30A	1
MP9001	8510014650	2429 DSP CASE	1
MP9003	8930058170	Shield sponge (O)	1
MP9004	8930042620	Sponge (ES)	1

*: Refer to SECTION 9 "BOARD LAYOUTS."

†: Optional product

[DRIVER UNIT]

REF NO.	ORDER NO.	DESCRIPTION	QTY.
MP6851*	8410002480	2429 PA HEATSINK	1

[PA UNIT]

REF NO.	ORDER NO.	DESCRIPTION	QTY.
J6301	6510021531	IMSA-9230B-1-04Z024-PT1	1
J6302	6510021531	IMSA-9230B-1-04Z024-PT1	1
J6401	6510007020	TMP-J01X-V6	1
J6411	6510021391	IMSA-9230B-1-03Z024-PT1	1
J6412	6510021391	IMSA-9230B-1-03Z024-PT1	1
J6501*	6510018961	B2B-PH-SM4-TB (LF) (SN)	1
J6701*	6510021721	30FLT-SM2-TB (LF) (SN)	1
J6702	6510007020	TMP-J01X-V6	1
J6703	6510003461	B10B-EH-S (LF) (SN)	1
F6701	5210000061	FGS 5A PBF	1
F6702	5220000230	S-N5054 #01	1
F6703	5220000230	S-N5054 #01	1
W6601	9040401015	74/98/045/X98/X98	1
EP6601	6910000630	FSOH070RN	1
EP6602	6510018330	F4053A	1
EP6603	6510018330	F4053A	1
EP6605	6910016010	SUMITUBE D=20.0 L=20MM	1
MP6601	8930063250	THERMALLY SHEET (AS)	1

[ACCESSORIES]

REF NO.	ORDER NO.	DESCRIPTION	QTY.
J4002	6450001281	TCP0587-715467	1
P4001	5610000340	XMP-10V	1
P4002	5610000300	BXA-001T-P0.6	10
MC4001	—	HM-155	1
SP4001	—	SP-25	1
F4001	5210000840	ATC 30	2
F4002	5210000061	FGS 5A PBF	2
W4001	8900012700	OPC-1289	1
EP4002	—	RC-26	1
MP4005	8810001490	Screw BT A0 5X20 SUS	4
MP4006	8850000500	S-washer M5 SUS	4
MP4007	8850000180	Flat washer M5 SUS	4
MP4008	8810010030	Setscrew (C) 5X8 SUS	2
MP4011	8010019461	2620 BRACKET-1	1
MP4012	8930062061	2620 L-LOCK PLATE-1	1
MP4013	8930062071	2620 R-LOCK PLATE-1	1
MP4014	8930062050	2620 SPACER	2
MP4015	8930062100	2620 RUBBER	4
MP4016	8930062111	2620 SHAFT-1	2
MP4017	8850002020	PLAIN WASHER (AH)	6
MP4018	8850002030	WAVE WASHER M8 SUS	2
MP4019	8810010030	Setscrew (C) 5X8 SUS	4

Screw abbreviations

A, B0, BT: Self-tapping PH: Pan head ZK: Black NI-ZU: Nickel-Zinc SUS: Stainless

• RC-26

[DISPLAY UNIT]

REF NO.	ORDER NO.	DESCRIPTION	QTY.
J8201*	6510021261	B9B-ZR-SM4-TF (LF) (SN)	1
J8202*	6510022621	10FMN-BMTTR-A-TBT (LF) (SN)	1
J8205*	6510022541	20FMN-BMTTR-A-TBT (LF) (SN)	1
J8701	6450001470	95003-2881	1
J8702*	6510022621	10FMN-BMTTR-A-TBT (LF) (SN)	1
S8201	2250000480	EVE HE1 F25 24B	1

[FRONT UNIT]

REF NO.	ORDER NO.	DESCRIPTION	QTY.
W8001	8900009231	OPC-908A	1
W8002	8900012650	OPC-1272	1
W8005	8900015940	OPC-875A	1
MP8001	8210020000	2140 FRONT PANEL (A)	1
MP8002	8210020010	2621 REFLECTOR	1
MP8003	8930060820	2621 LCD HOLDER	1
MP8006	8930060810	2140 FRONT KEY (D)	1
MP8007	8310059700	2140 WINDOW PLATE (A)	1
MP8009	8610009840	Knob N-234	1
MP8010	8610007420	Knob spring NO.6601	1
MP8011	8930038220	1765 REAR PLATE	1
MP8012	8210013160	1765 FRONT PANEL	1
MP8013	8930038230	1765 REAR SEAL	1
MP8015	8930055530	Sponge (GS)	1
MP8016	8820000871	1705 CAP SCREW-1	3
MP8017	8810008761	Screw BT B0 2X8 NI-ZC3 (BT)	5
MP8018	8810009061	Screw M3X6 ZK3	4
MP8020	8930038190	1765 JACK BUSH	1
MP8021	8930038210	1765 JACK SEAL	1
MP8022	8810008661	Screw BT B0 3X8 NI-ZC3 (BT)	2
MP8023	8930048290	2140 LCD FILTER	1
MP8024	8930061640	RUBBER SHEET (BH)	2

[CONNECT UNIT]

REF NO.	ORDER NO.	DESCRIPTION	QTY.
J8920*	6510022541	20FMN-BMTTR-A-TBT (LF) (SN)	1
DS8920	5030002620	HLC7805-018700	1
MP8921	8930062160	HIMELON SHEET (CL)	2

[REAR UNIT]

REF NO.	ORDER NO.	DESCRIPTION	QTY.
J8801	6450000140	HSJ0807-01-010	1
J8802*	6510022621	10FMN-BMTTR-A-TBT (LF) (SN)	1

[ACCESSORIES]

REF NO.	ORDER NO.	DESCRIPTION	QTY.
MP8101	8810000471	Screw PH (+-) M5X12 ZC3	4
MP8102	8810000951	Screw BT A0 5X16 ZC3	4
MP8103	8820000911	1765 SCREW-1	2
MP8104	8850000150	Flat washer M5 BS NI	4
MP8105	8850000391	SPRING WASHER M5 ZC3	4
MP8106	8830000121	Nut M5 ZC3	4
MP8107	8010016471	1765 BRACKET-1	1
MP8108	8950005110	2289 MIC HANGER	1
MP8109	8810004700	Screw BT A0 3X16 SUS	2

MC4001 (F) SP4001 (F) MP4011 (F)

W4001 (F) MP4014 (F) MP4019 (F)

F4002 (F) F4001 (F) P4001 (F)

J4002 (F) MP8108 (R) MP8109 (R)

EP4002 (F) MP8107 (R)

(R): RC-26
(F): IC-F7000

MP4005 (F)
MP4007 (F)
MP4006 (F)

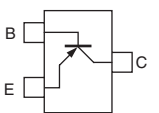
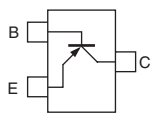
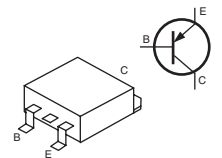
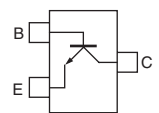
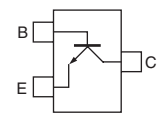
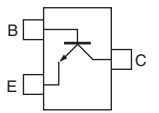
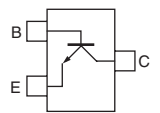
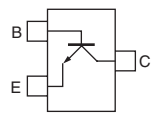
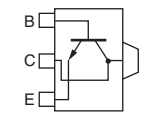
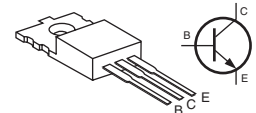
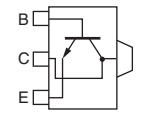
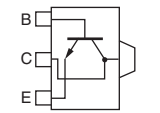
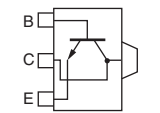
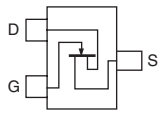
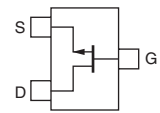
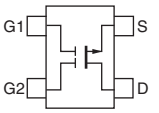
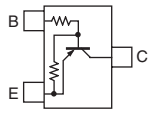
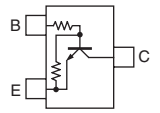
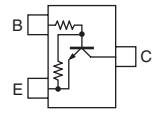
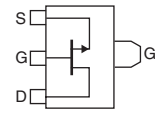
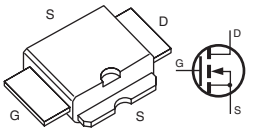
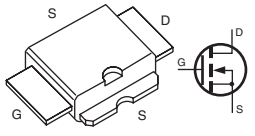
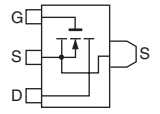
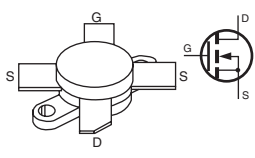
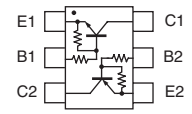
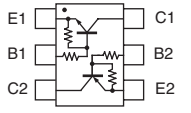
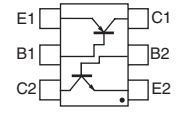
P4002 (F)

MP8103 (R)
MP8101 (R)
MP8106 (R)
MP8102 (R)
MP8104 (R)
MP8105 (R)

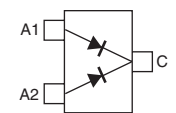
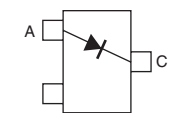
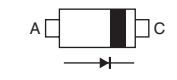
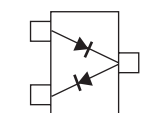
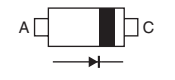
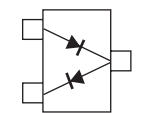
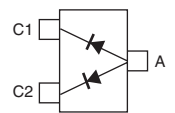
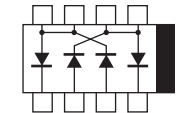
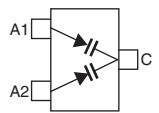
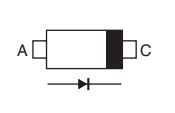
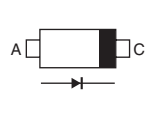
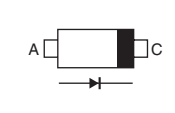
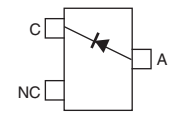
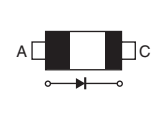
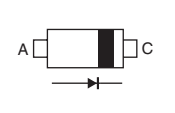
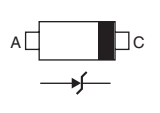
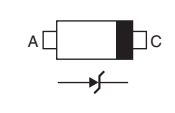
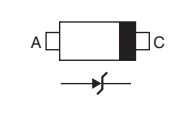
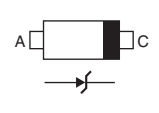
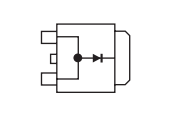
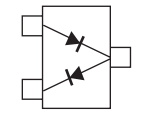
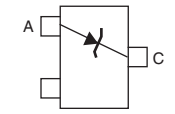
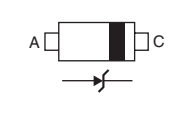
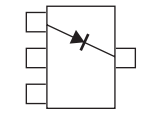
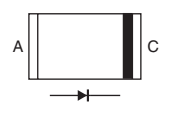


SECTION 8 SEMICONDUCTOR INFORMATION

• TRANSISTERS AND FETs

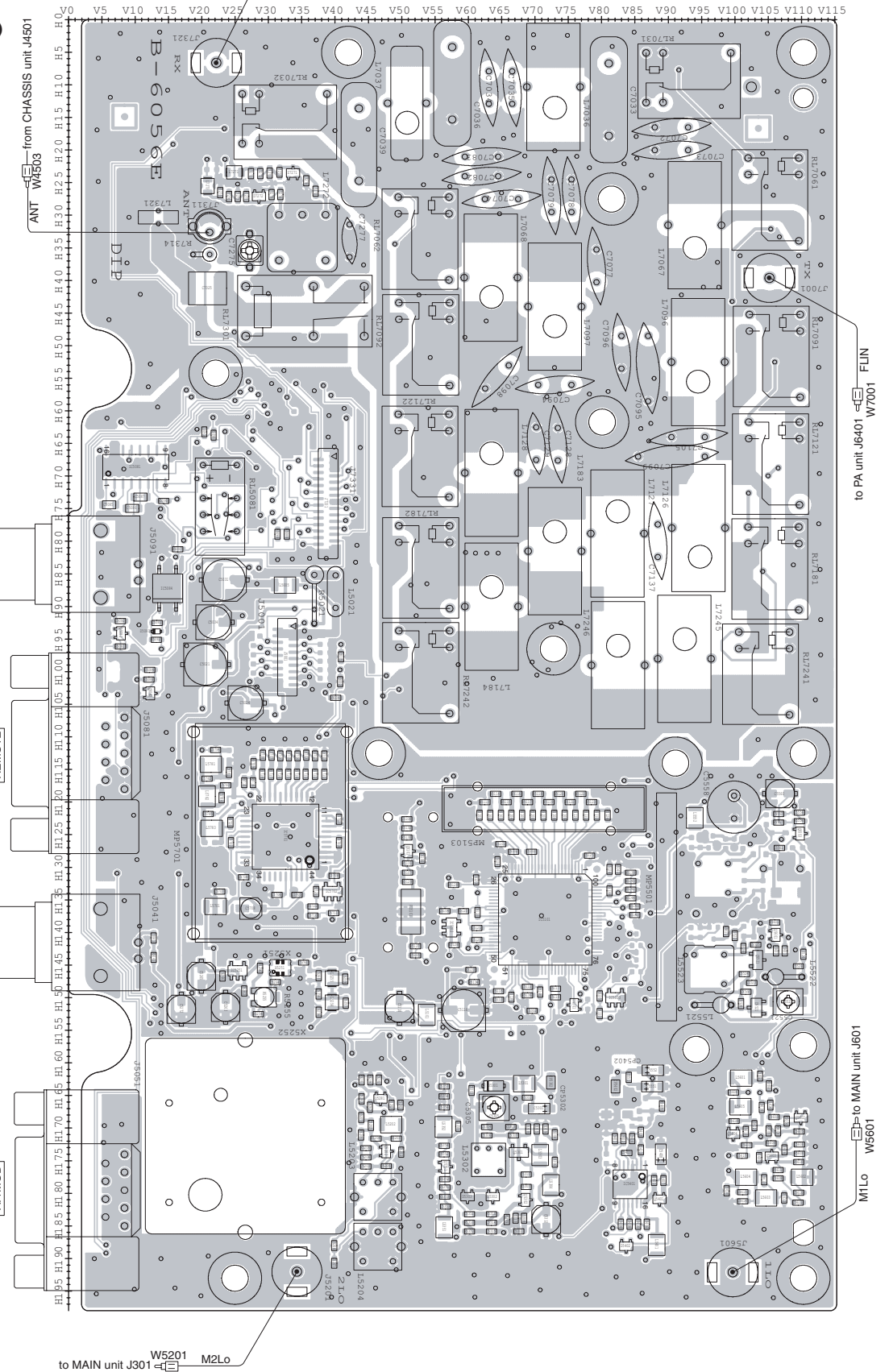
2SA1037AK S (Symbol: FS) 	2SA1586 GR (Symbol: SG) 	2SB1201 S (Symbol: B1201) 	2SC4081 T106 R (Symbol: BR) 	2SC4116 BL (Symbol: LL) 
2SC4116 GR (Symbol: LG) 	2SC4213 B (Symbol: AB) 	2SC4215 O (Symbol: QO) 	2SC5551F (Symbol: EB) 	2SD1585 K (Symbol: None) 
2SD1619 TTD (Symbol: DB) 	2SD1664 T100Q (Symbol: DAQ) 	2SD1801 STL (Symbol: CE) 	2SK210 GR (Symbol: YG) 	2SK508 K52 T2B (Symbol: K52) 
3SK131 T2 MAS (Symbol: V11) 	DTA114EUA T106 (Symbol: 14) 	DTC114EUA T106 (Symbol: 24) 	DTC144EUA T106 (Symbol: 26_) 	MMBFU310LT1 (Symbol: 6C) 
PD55003 (Symbol: PD55003) 	PD55015 (Symbol: PD55015) 	RD01MUS1 (Symbol: K2) 	SD1405 (Symbol: SD1405) 	XP4311 (Symbol: 3X) 
XP4312 (Symbol: 7T) 	XP4601 (Symbol: 5C) 			

• DIODES

1SS301 (Symbol: B3) 	1SS322 (Symbol: A9) 	1SS355 (Symbol: A) 	1SS375-TL (Symbol: FH) 	1SV307 (Symbol: TX) 
DA221 TL (Symbol: K) 	DAP222 TL (Symbol: P) 	HSB88WSTR (Symbol: Silver line) 	KV1770S (Symbol: C7) 	MA2S111 (Symbol: A) 
MA2S728 (Symbol: B) 	MA30-(TX) (Symbol: 3B) 	MA132A (Symbol: MB) 	MA338 (Symbol: 6H) 	MA728 (Symbol: 2A) 
MA8051 M (Symbol: 5-1) 	MA8062 M (Symbol: 6-2) 	MA8082 M (Symbol: 8-2) 	MA8091 M (Symbol: 9-1) 	MBRB4030 (Symbol: B4030) 
RB706F-40 T106 (Symbol: 3J) 	RD10M B3 (Symbol: 103) 	RD20E B2 (Symbol: 20 B2) 	SB20 03P (Symbol: SC) 	UM9957F/TR 

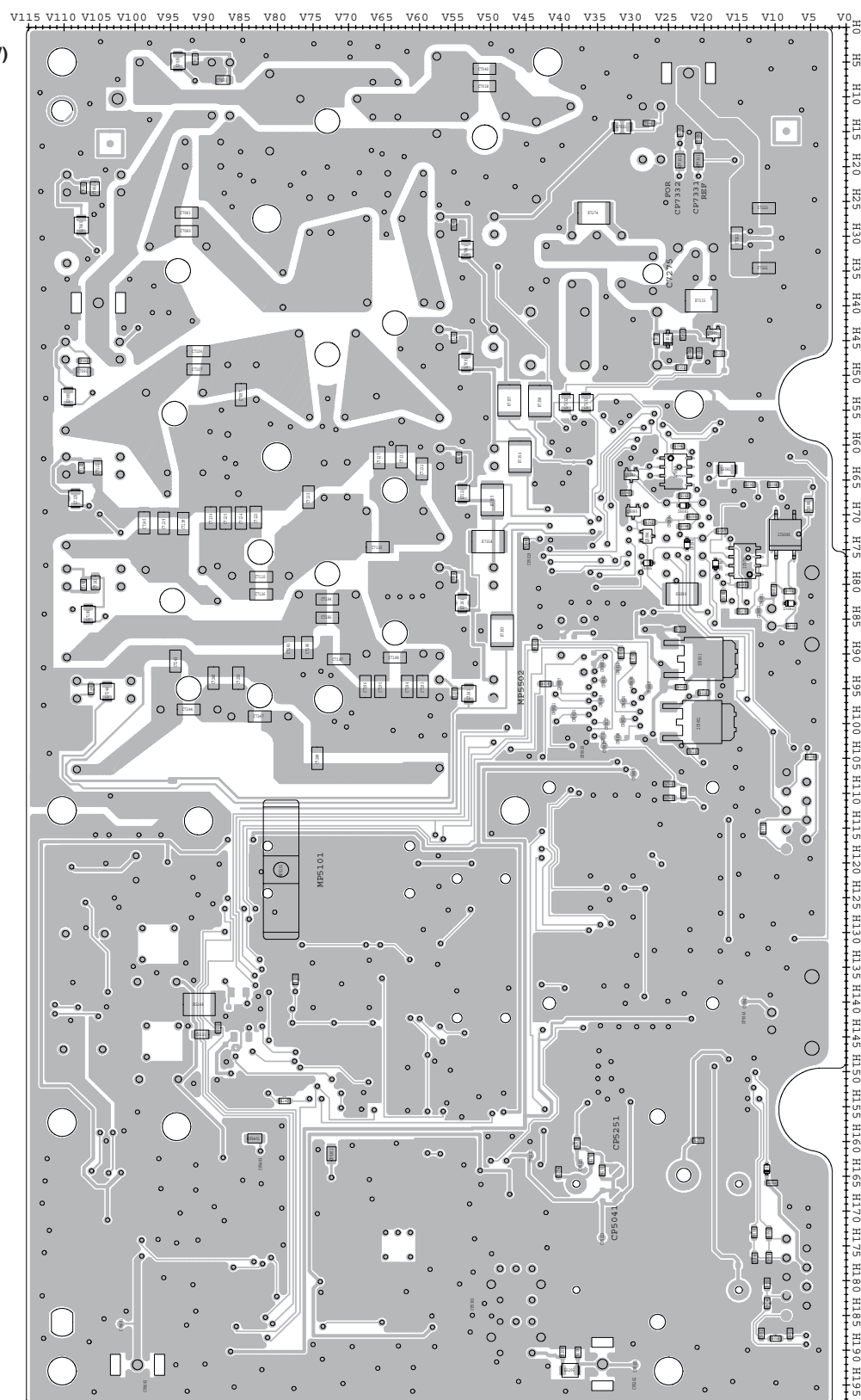
BOARD LAYOUTS

- **MAIN UNIT
(TOP VIEW)**

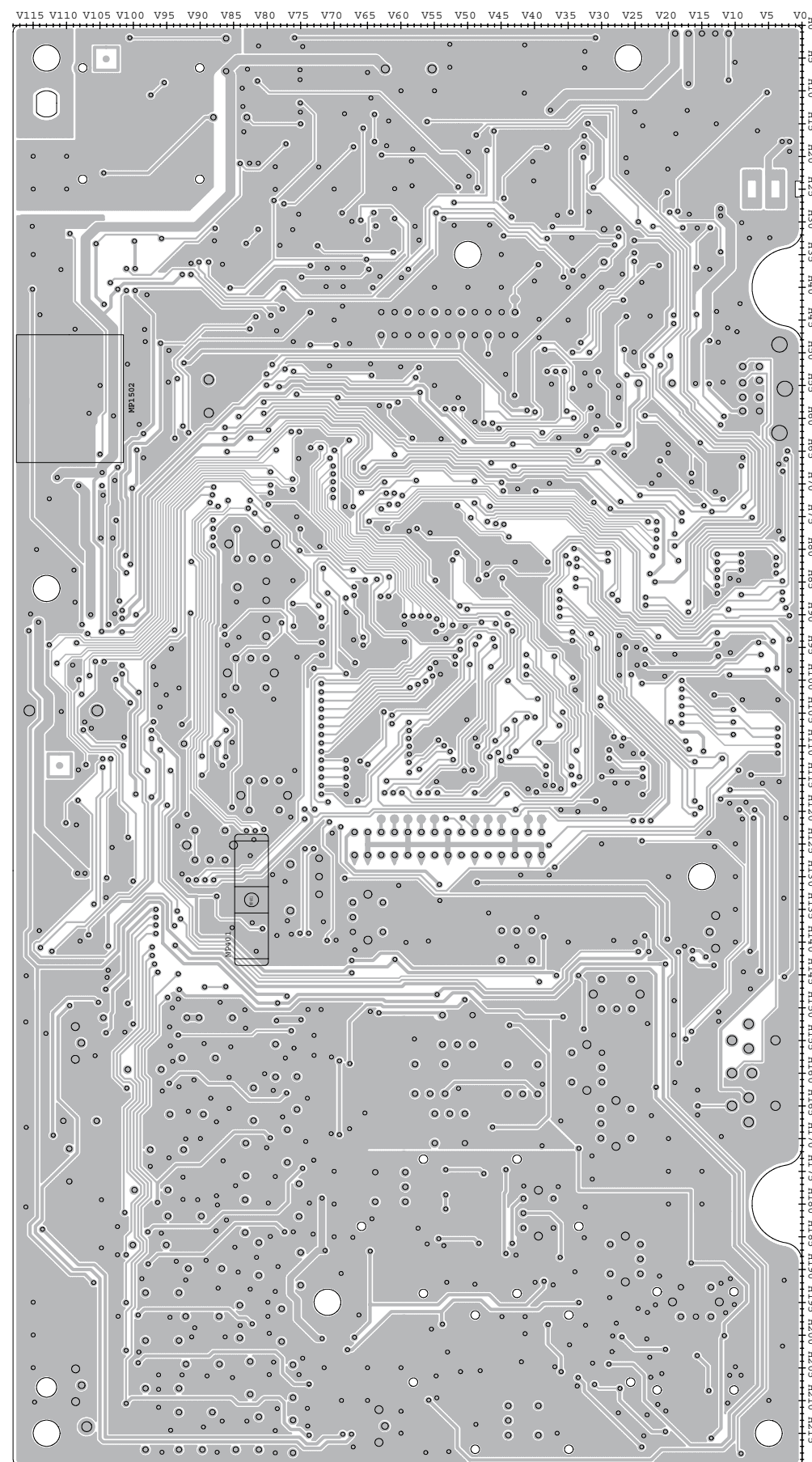


The combination of this side and the bottom side shows the board layout in the same configuration as the actual P.C.Board.

- PLL UNIT
(BOTTOM VIEW)

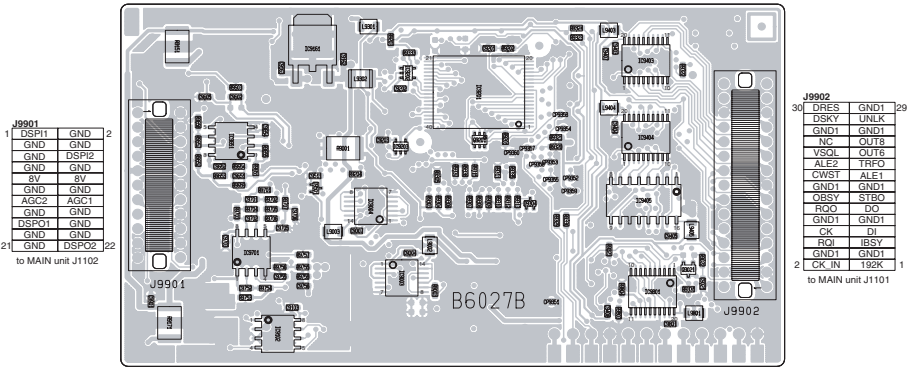


- MAIN UNIT
(BOTTOM VIEW)

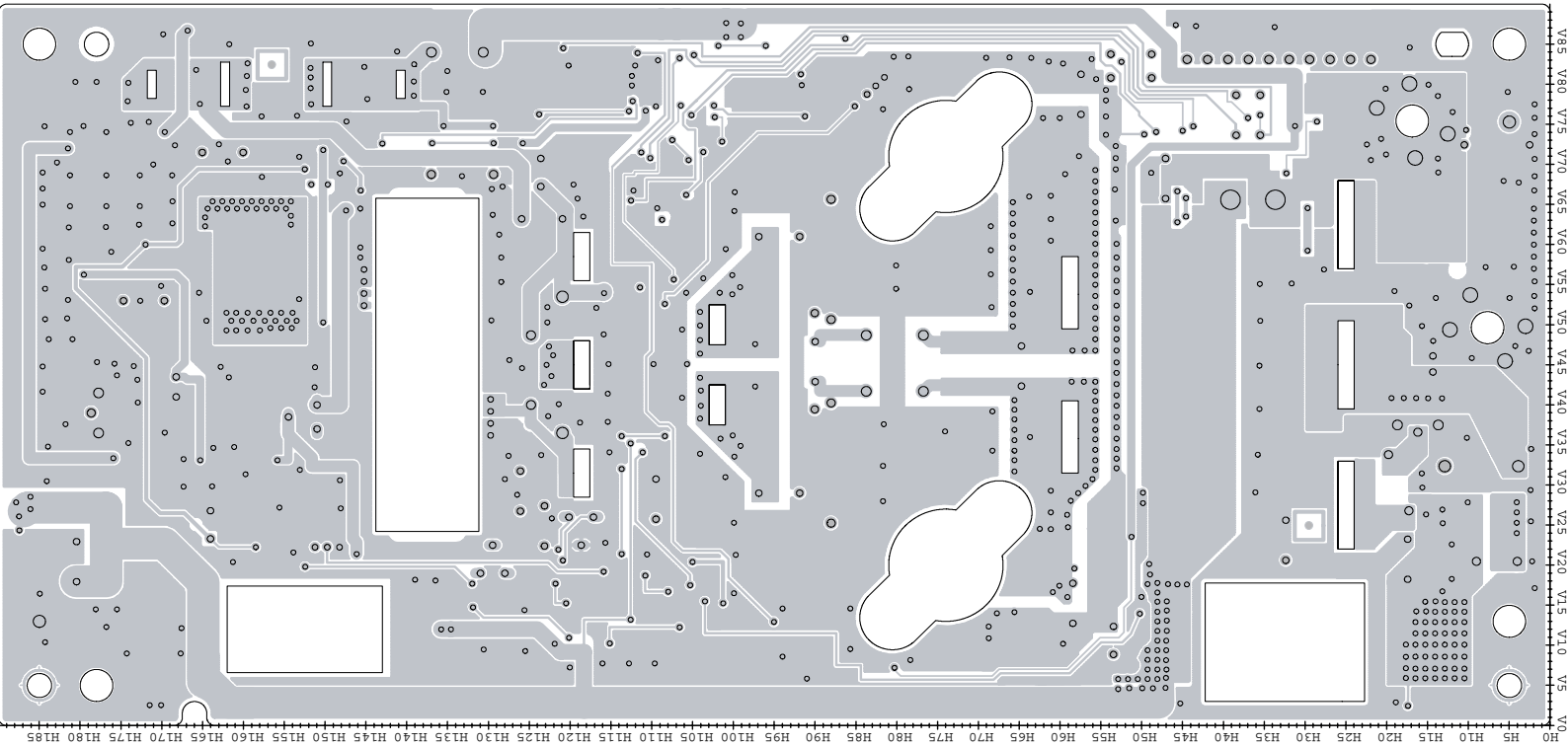


The combination of this side and the bottom side shows the board layout in the same configuration as the actual P.C.Board.

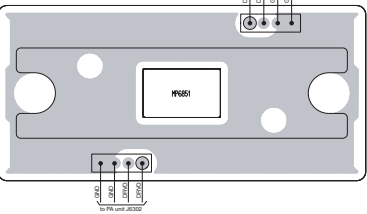
• DSP UNIT (BOTTOM VIEW)



• PA UNIT (BOTTOM VIEW)



• DRIVER BOARD (BOTTOM VIEW)



• VARISTER-1 UNIT (BOTTOM VIEW)

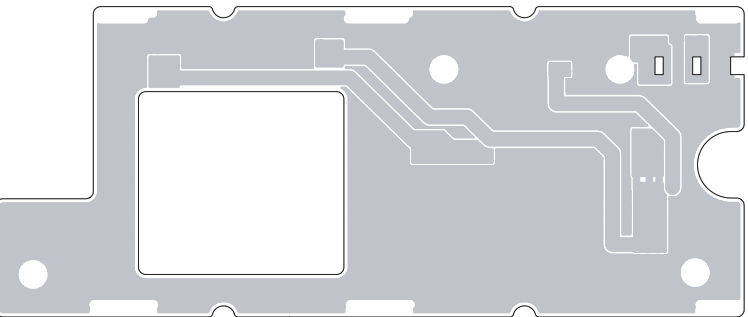
(No pattern)

• VARISTER-2 UNIT (BOTTOM VIEW)

(No pattern)

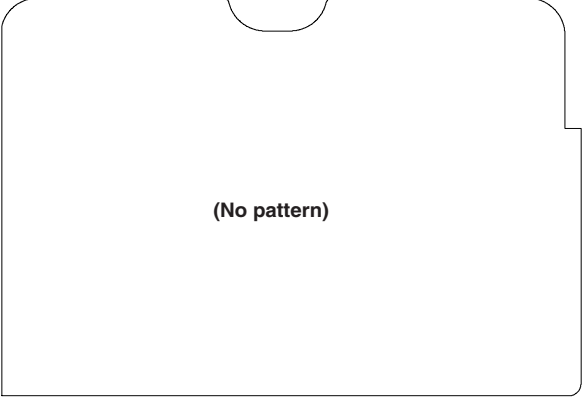
<RC-26>

• REAR UNIT (BOTTOM VIEW)



<HM-155>

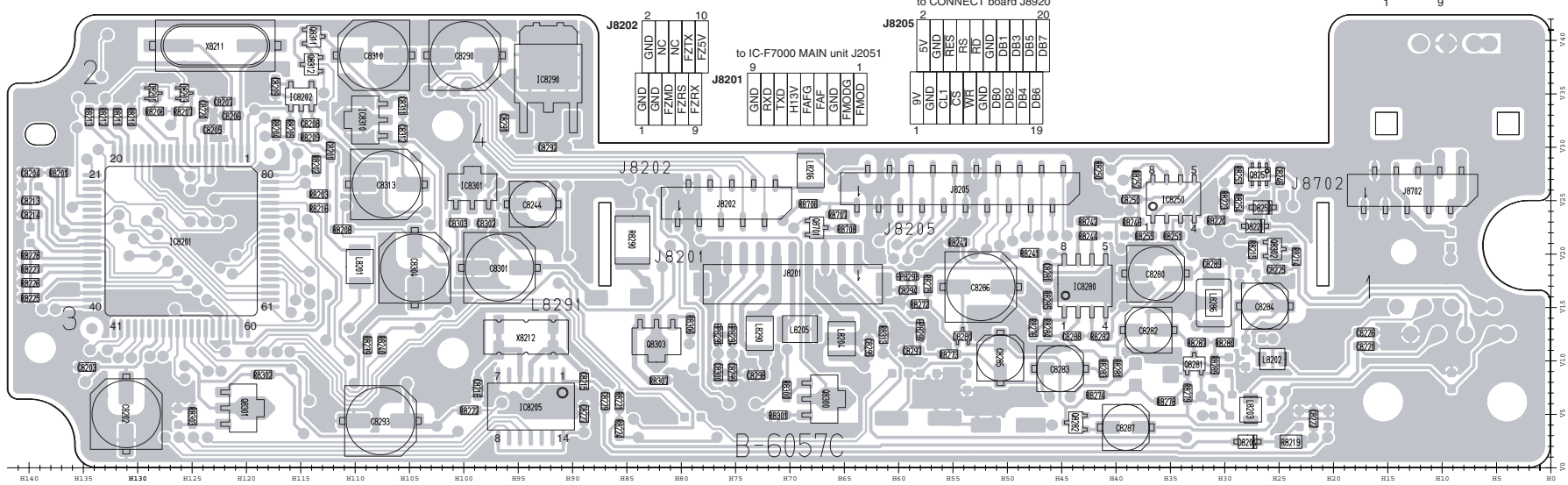
• MAIN UNIT (BOTTOM VIEW)



(No pattern)

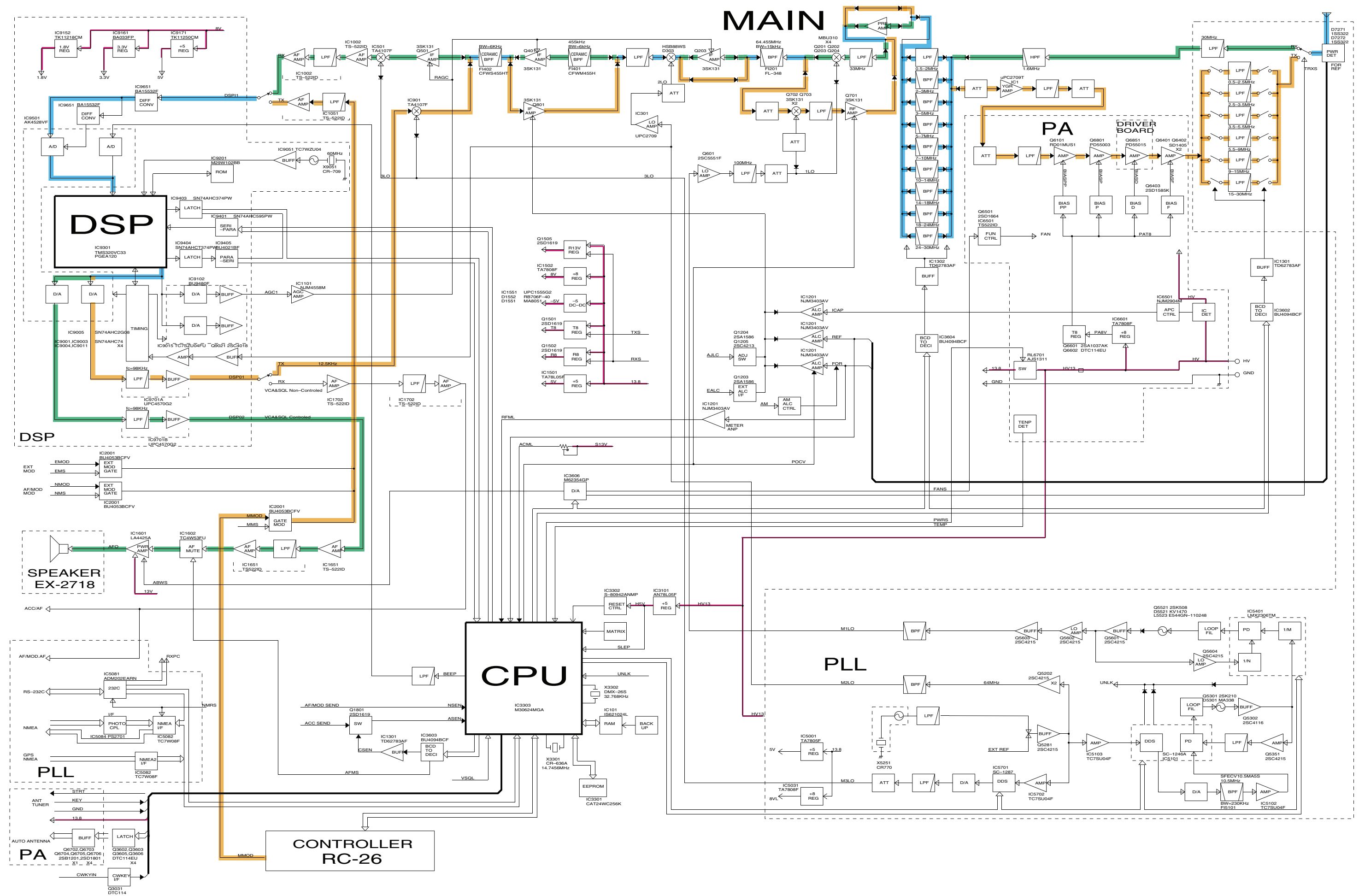
<RC-26>

• DISPLAY UNIT (BOTTOM VIEW)



SECTION 10 BLOCK DIAGRAM

SECTION 10 BLOCK DIAGRAM



WIRING DIAGRAM



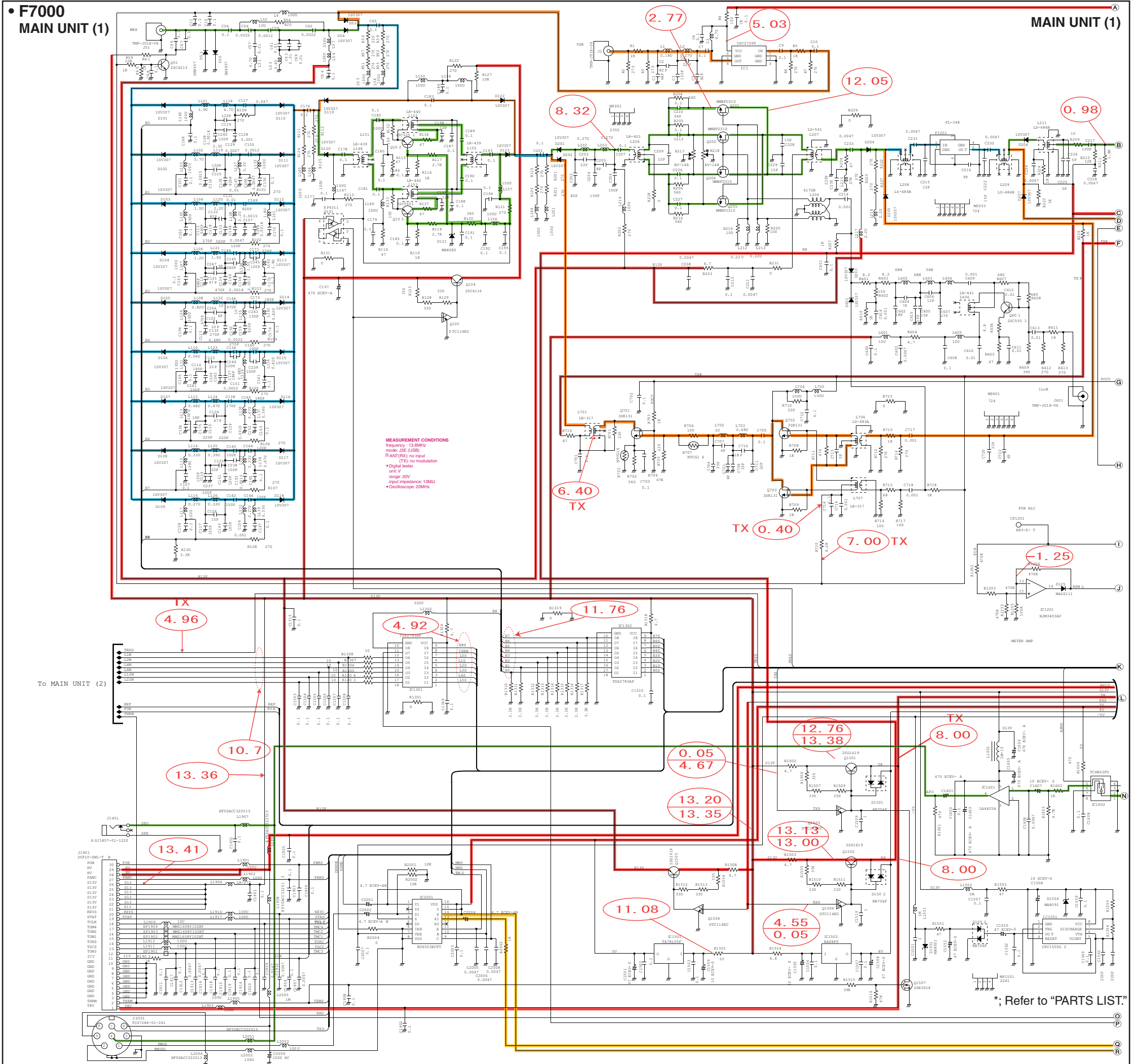
VOLTAGE DIAGRAM

[illegible]

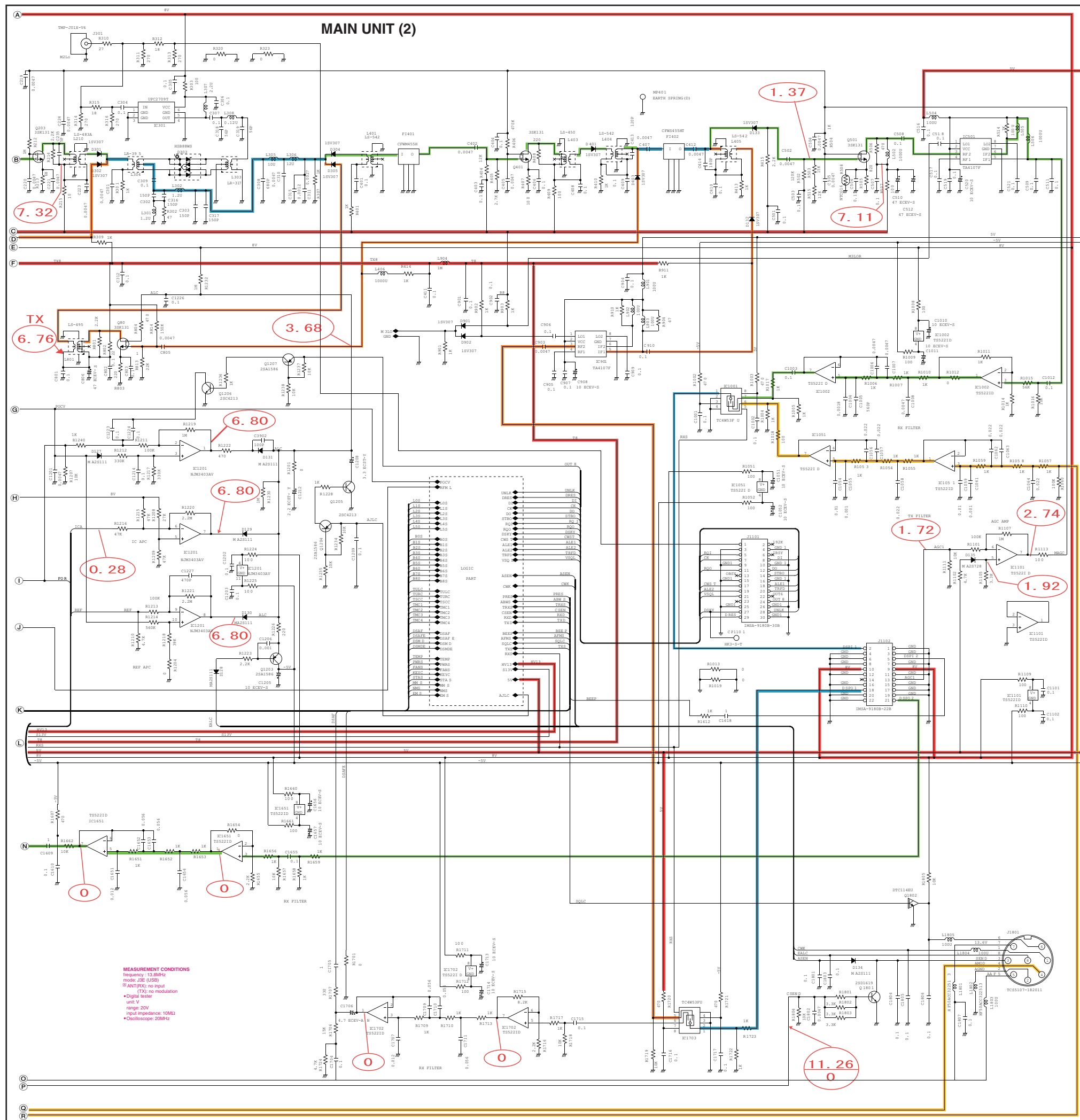
12 - 1

• F7000
MAIN UNIT (1)

MAIN UNIT (1)



*; Refer to "PARTS LIST."



• **F7000**
MAIN UNIT (2)

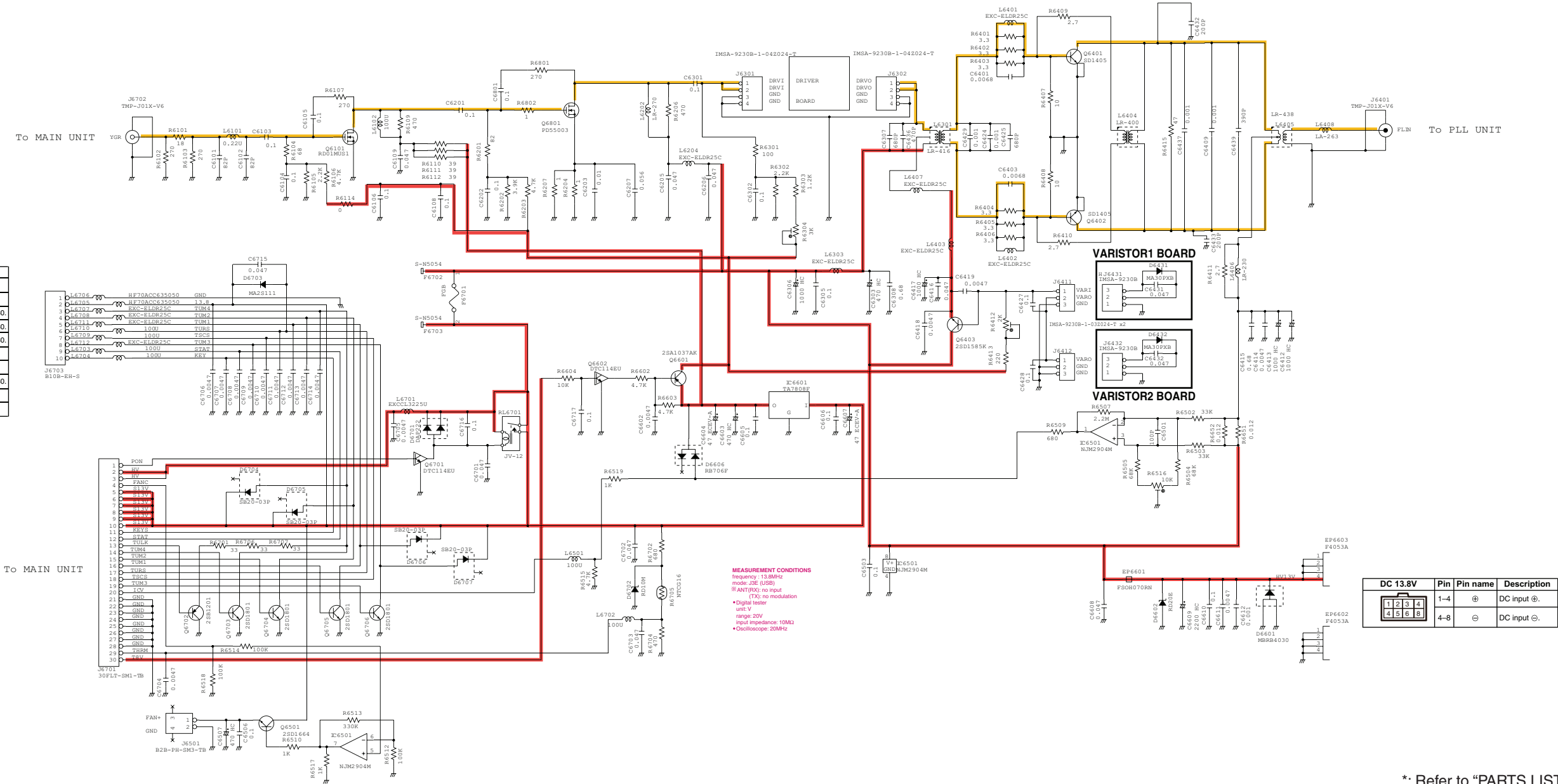
ACC	Pin	Pin name	Description
	1	CWK (NC)	CW and FSK keying input. (NC: AUS version)
	2	AF GND	Ground line for AF signal.
	3	SEND	Input/output pin. Goes to ground when transmitting. When grounded, transmits.
	4	MOD	Modulator input. Usable when pin 3 is grounded.
	5	AF	AF detector output. Fixed, regardless of [VOL] position.
	6	SQLS	Squelch output. Goes to ground when squelch opens.
	7	13.8 V	13.8 V output when power is ON.
	8	ALC	ALC voltage input.
	*	DC GND	Common ground.



*; Refer to "PARTS LIST."

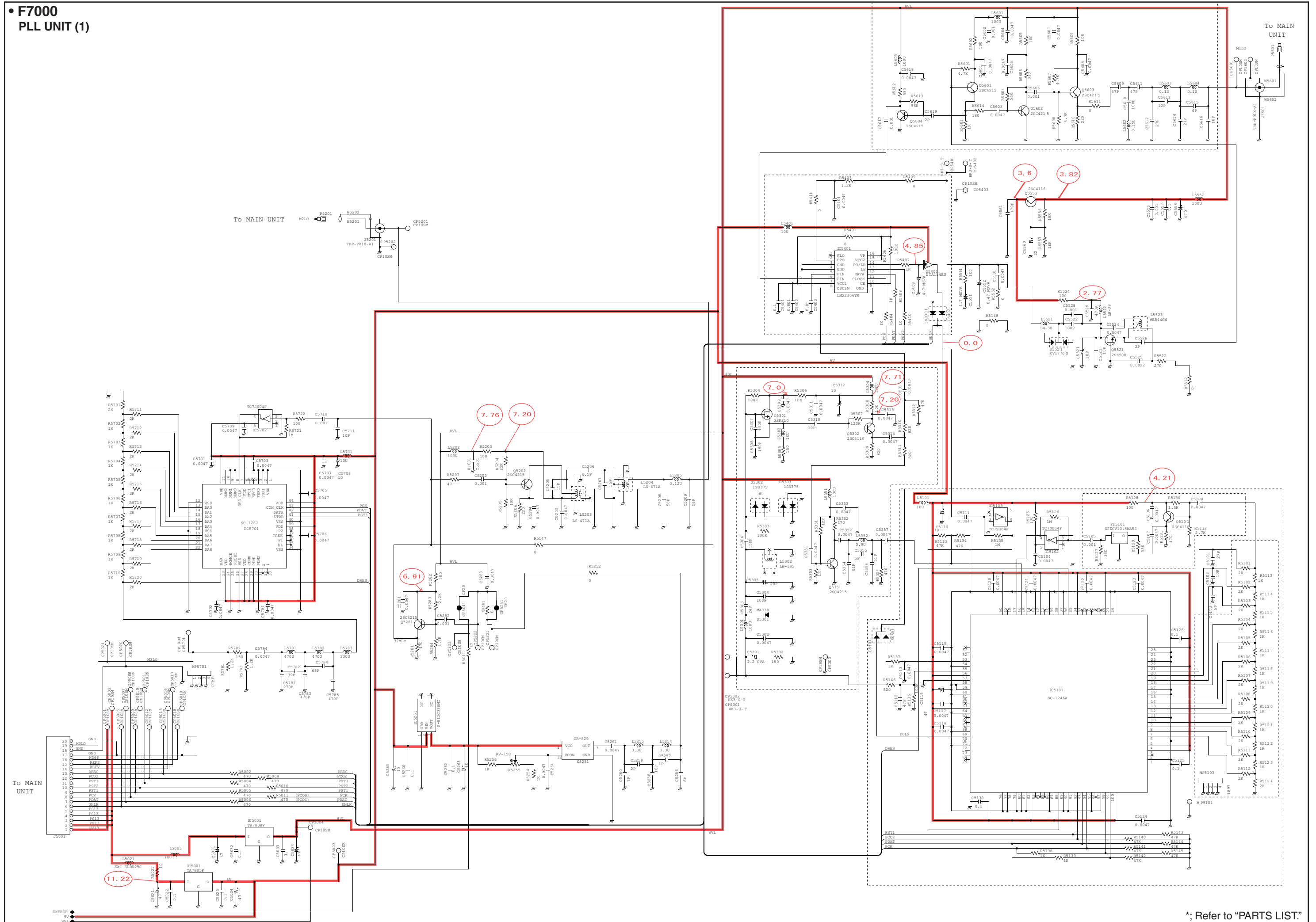
• F7000
PA UNIT

TUNER	Pin	Pin name	Description
	1	E	Negative terminal
	2	13.8V	13.8 V output
	3	TUM4	Stepping motor control signal output for AT230.
	4	TUM2	Stepping motor control signal output for AT230.
	5	TUM1	Stepping motor control signal output for AT230.
	6	TURS	Band control signal output for AT230.
	7	TSCS	Preamp control signal output while scanning.
	8	TUM3	Stepping motor control signal output for AT230.
	9	START	Start/through signal output
	10	KEY	Key signal input.



*; Refer to "PARTS LIST."

- **F7000**
PLL UNIT (1)



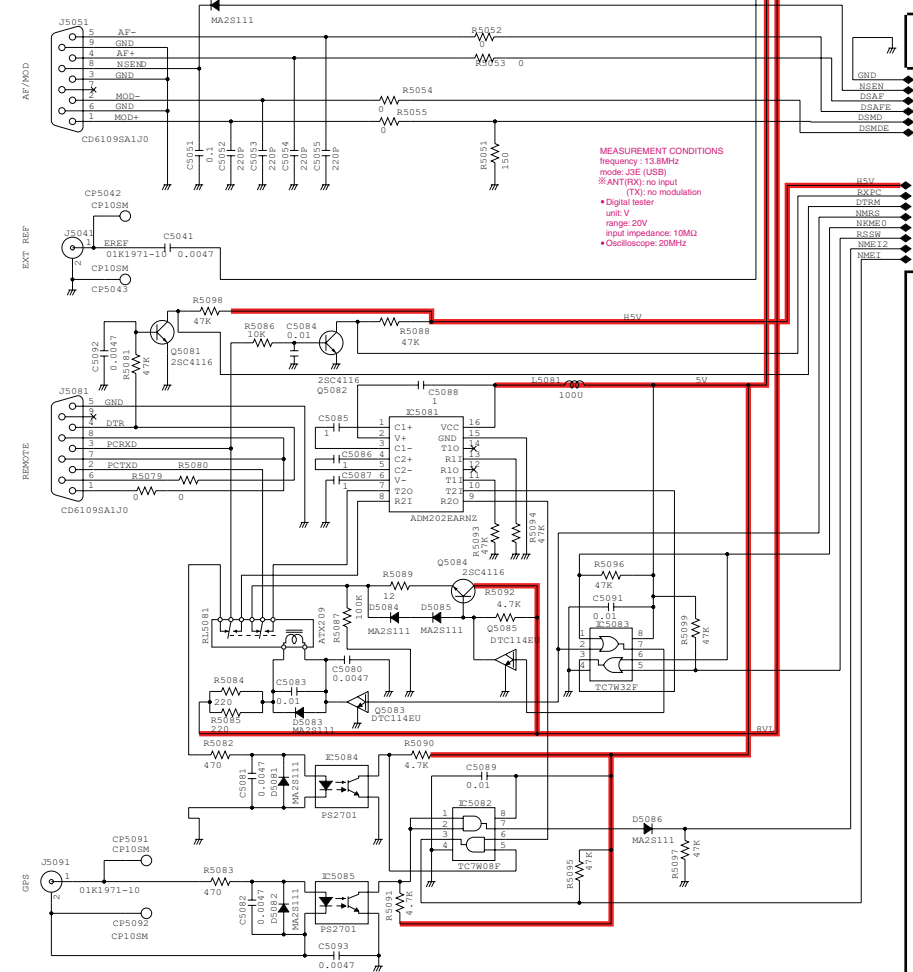
*; Refer to "PARTS LIST."

F7000

PLL UNIT (2)

F7000

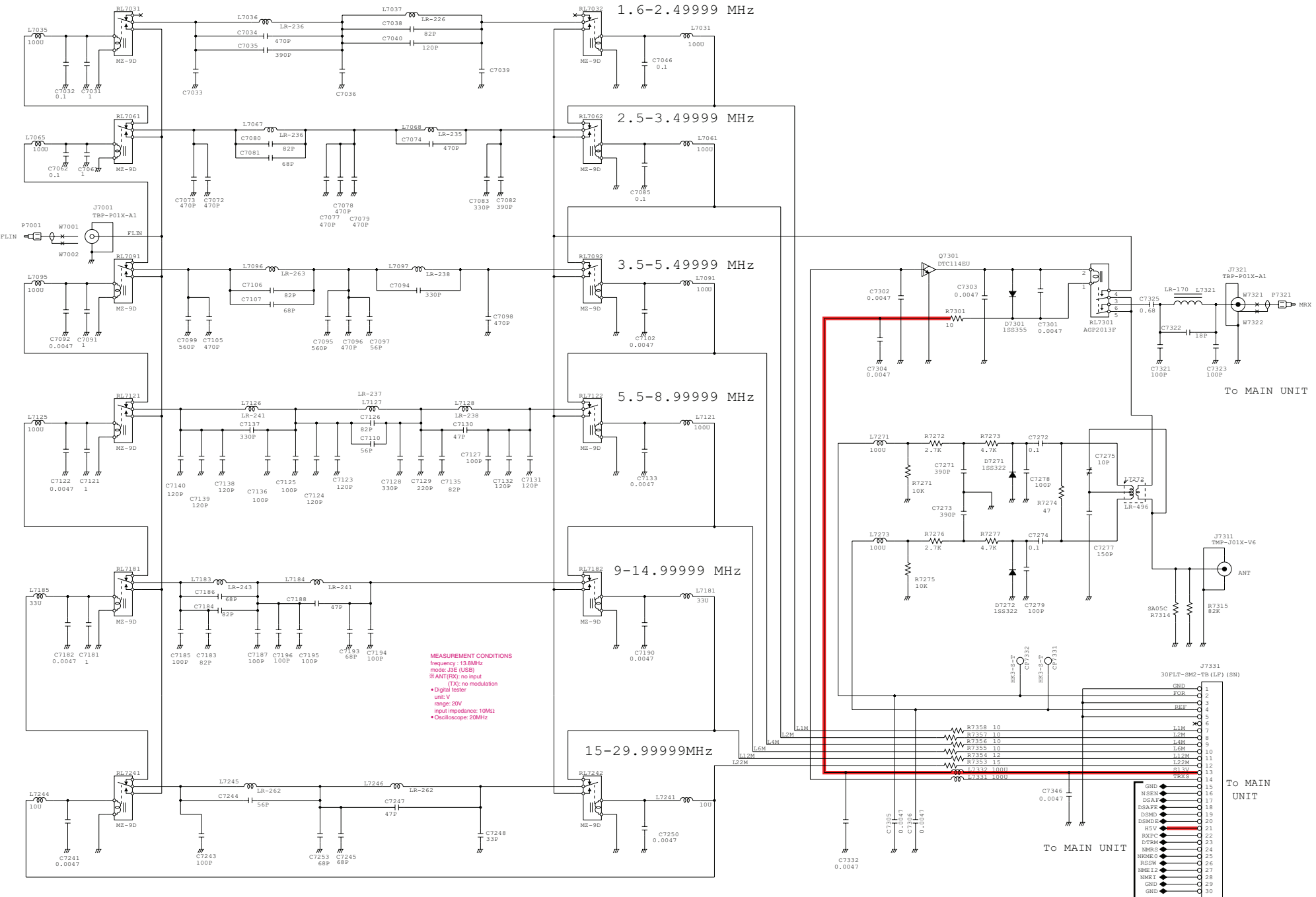
PLL UNIT (3)



To PLL UNIT (1)

To PLL UNIT (3)

PLL UNIT(3)



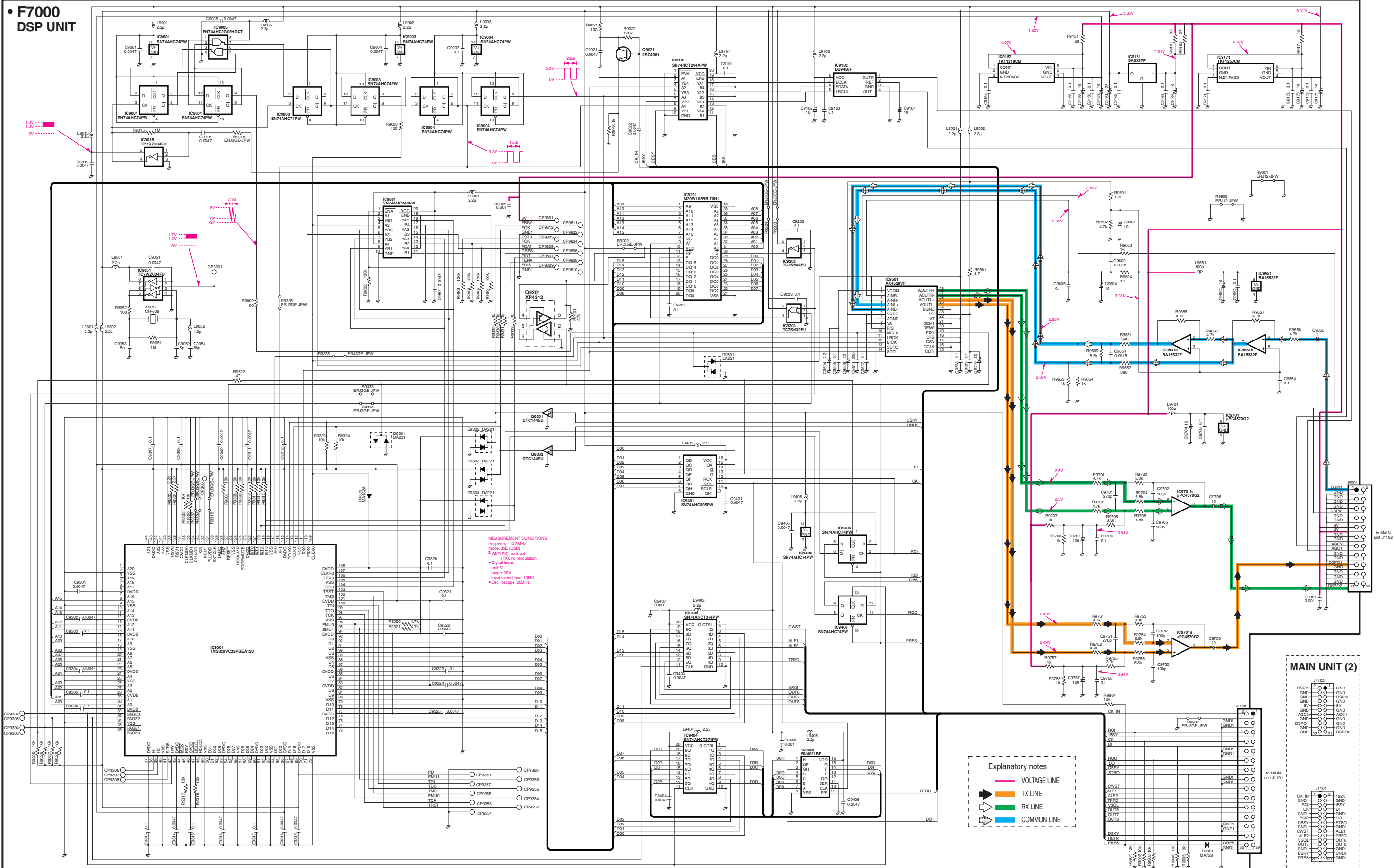
AF/MOD	Pin	Pin name	Description
	1	MOD+	Modulation input (unmatched) from an external terminal unit.
	2	MOD-	Coaxial ground for MOD+.
	3	GND	Ground for digital equipment.
	4	NAF+	AF detector output (unmatched) for an external terminal unit.
	5	NAF-	Coaxial ground for NAF+.
	6	GND	Ground for digital equipment.
	7	NC	No connection.
	8	SEND	Transmits when grounded.
	9	GND	Ground for digital equipment.

REMOTE	Pin	Pin name	Description
	1	DCD	Input terminal for carrier detection.
	2	RXD	Input terminal for receive data. ("RS-232C" selection for REMOTE I/F.)
	3	TXD	Outputs transmit data. ("RS-232C" selection for REMOTE I/F.)
	4	DTR	Outputs data terminal ready signal.
	5	GND	Connected to the ground.
	6	DSR	Input terminal for data-set-ready signal.
	7	RTS	Outputs request-to-send data.
	8	CTS	Input terminal for clear-to-send data.
	9	NC	No connection.

GPS	Pin	Pin name	Description
	1	NMEA ⊕	NMEA0183 ver 2.0 or 3.01 data input ⊕.
	2	NMEA ⊖	Ground for NMEA data.

*; Refer to "PARTS LIST."

- **F7000 DSP UNIT**



• ELECTRIC PARTS

[MAIN UNIT]

REF NO.	ORDER NO.	DESCRIPTION	
R1	7030011410	S.RES	ERJ3GEYJ 222
R2	7030011410	S.RES	ERJ3GEYJ 222
R3	7030011420	S.RES	ERJ3GEYJ 562
R4	7030011410	S.RES	ERJ3GEYJ 222
C1	4510009230	S.ELE	EEE1HA010SR
C2	4030018990	S.CER	C1608 JB 1H 102K
C3	4030019000	S.CER	C1608 JF 1H 104Z
C4	4030019010	S.CER	C1608 JB 1H 103K
C5	4030018990	S.CER	C1608 JB 1H 102K
C6	4030018990	S.CER	C1608 JB 1H 102K
C7	4030018990	S.CER	C1608 JB 1H 102K
C8	4030018990	S.CER	C1608 JB 1H 102K
C9	4030018990	S.CER	C1608 JB 1H 102K
C10	4030019000	S.CER	C1608 JF 1H 104Z
C11	4030018990	S.CER	C1608 JB 1H 102K

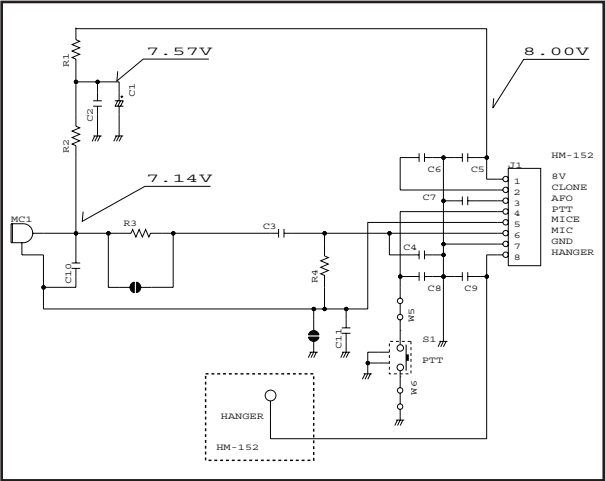
• MECHANICAL PARTS

[CHASSIS PARTS]

REF NO.	ORDER NO.	DESCRIPTION	QTY.
W1	8900014230	OPC-1471	1
W2	9028540010	AWG24 L=70 GRAY	1
MP2	8210022100	2854 S-FRONT PANEL	1
MP5	8210022120	2854 TOP PANEL	1
MP6	8930067080	2854 PTT BUTTON	1
MP7	8610012570	2854 SW BUTTON	1
MP8	8210022110	2854 SIDE PANEL	1
MP9	8930067120	2854 PTT RUBBER	1
MP10	8930067140	2854 MIC SEAL	1
MP11	8930067180	2854 16-KEY	1
MP12	8610012580	2854 HANGER KNOB	1
MP14	8930067100	2854 WEIGHT	2
MP15	8930067150	2854 PTT SPRING	1
MP17	8310066000	2854 NAME PLATE (G)	1
MP18	8810010520	Screw B0 3X16SUS	3
MP19	8810010530	Screw BiH M4X14 SUS	1
MP20	8810010240	Screw BT B0 2X6NI	3
MP23	8850002000	SPRING WASHER M4 SUS	1
MP24	8860001380	earth lug B3 (M4) BS AG	1

• EXPLODED VIEW

• VOLTAGE DIAGRAM



[MAIN UNIT]

REF NO.	ORDER NO.	DESCRIPTION		QTY.
J1	6510025100	CON	IL-S-8P-S2L2-EF	1
MC1	7700002720	MIC	F9745AP382-101	1
S1	2260002890	SW	SKQJLBA010	1

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