

November 2012



SERVICE MANUAL ADDENDUM

IC-7700

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[RF UNIT]

Table with columns: REF NO., PARTS NO., DESCRIPTION, M., H/V LOCATION. Contains 300 rows of component data for the [RF UNIT] section.

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Eqv.= This component is equivalent to the REF No. component listed above, and may be substituted on parts orders and repairs.

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

[RF UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
J351	6510028210	CON SJ050010 (TMP-J01X-V6)		
J352	6510028210	CON SJ050010 (TMP-J01X-V6)		
J391	6510028210	CON SJ050010 (TMP-J01X-V6)		
J501	6510028210	CON SJ050010 (TMP-J01X-V6)		
J502	6510028210	CON SJ050010 (TMP-J01X-V6)		
J503	6510028210	CON SJ050010 (TMP-J01X-V6)		
J801	6510028210	CON SJ050010 (TMP-J01X-V6)		
J808	6510028210	CON SJ050010 (TMP-J01X-V6)		
J810	6510028210	CON SJ050010 (TMP-J01X-V6)		
J1001	6510028210	CON SJ050010 (TMP-J01X-V6)		
J1101	6510028210	CON SJ050010 (TMP-J01X-V6)		
J1301	6510028210	CON SJ050010 (TMP-J01X-V6)		
J1401	6910004741	CON IMSA-9202B-1-03Z041-PT1		
J1402	6910004741	CON IMSA-9202B-1-03Z041-PT1		
J1403	6910004741	CON IMSA-9202B-1-03Z041-PT1		
J1404	6910004741	CON IMSA-9202B-1-03Z041-PT1		
J1405	6910004741	CON IMSA-9202B-1-03Z041-PT1		
J1406	6910004741	CON IMSA-9202B-1-03Z041-PT1		
J1501	6510015541	S.CON B4B-ZR-SM4-TF(LF)(SN)	T	168.2/21.6
J1651	6510028210	CON SJ050010 (TMP-J01X-V6)		
J2001	6510024940	CON HEC2305-016250		
J2002	6510023730	CON LGY6502-0600C		
J2003	6510023730	CON LGY6502-0600C		
J2004	6510028210	CON SJ050010 (TMP-J01X-V6)		
J2006	6510019991	S.CON 52808-2271(2291)	T	168.3/166.7
J2007	6510018921	S.CON B8B-PH-SM4-TB(LF)(SN)	T	168.2/204.1
F3	5210000041	FUS FGB 2A PBF (FGB0 125V)		
F2001	5220000230	HOL S-N5054 #01		
F2002	5220000230	HOL S-N5054 #01		
W3	9030090170	WIR OPC-1805		
W1411	7120000480	S.JUM MJP-0.4-T	T	67.2/15.1
EP902	6910012350	S.BEA MMZ1608Y 102BT	B	60.6/134.1
EP903	6910012350	S.BEA MMZ1608Y 102BT	B	60.6/148.7
EP904	6910012350	S.BEA MMZ1608Y 102BT	B	104.9/141.8
EP1091	6910014690	S.BEA MPZ1608S221A-T	T	49.0/51.9
EP1092	6910014690	S.BEA MPZ1608S221A-T	T	49.0/53.2
EP1093	6910014690	S.BEA MPZ1608S221A-T	T	49.0/54.5
EP1201	6910012350	S.BEA MMZ1608Y 102BT	B	59.0/124.9
EP1202	6910012350	S.BEA MMZ1608Y 102BT	B	59.0/94.2
EP1210	6910012350	S.BEA MMZ1608Y 102BT	B	59.0/128.0
EP1229	6910014690	S.BEA MPZ1608S221A-T	B	28.2/69.2
EP1309	6910014690	S.BEA MPZ1608S221A-T	B	38.1/72.4
EP1504	6910014690	S.BEA MPZ1608S221A-T	B	132.3/22.7
EP1505	6910014690	S.BEA MPZ1608S221A-T	T	143.3/10.6
EP1654	6910012350	S.BEA MMZ1608Y 102BT	B	84.5/35.0
EP1801	6910012350	S.BEA MMZ1608Y 102BT	B	78.9/102.4
EP1802	6910012350	S.BEA MMZ1608Y 102BT	T	41.6/139.1
EP1803	6910014690	S.BEA MPZ1608S221A-T	B	75.8/102.4
EP1805	6910012350	S.BEA MMZ1608Y 102BT	B	104.9/143.4
EP1806	6910012350	S.BEA MMZ1608Y 102BT	B	78.9/105.6
EP1807	6910012350	S.BEA MMZ1608Y 102BT	B	75.8/105.6
EP1808	6910012350	S.BEA MMZ1608Y 102BT	B	154.1/14.5
EP1809	6910012350	S.BEA MMZ1608Y 102BT	B	104.9/145.0
EP1810	6910012350	S.BEA MMZ1608Y 102BT	T	23.1/132.8
EP1811	6910012350	S.BEA MMZ1608Y 102BT	T	23.1/135.6
EP1812	6910012350	S.BEA MMZ1608Y 102BT	B	104.9/146.6
EP1813	6910012350	S.BEA MMZ1608Y 102BT	T	55.2/131.7
EP1814	6910012350	S.BEA MMZ1608Y 102BT	T	55.2/130.4
EP1815	6910012350	S.BEA MMZ1608Y 102BT	T	6.8/124.0
EP1816	6910012350	S.BEA MMZ1608Y 102BT	T	55.2/133.0
EP1817	6910012350	S.BEA MMZ1608Y 102BT	B	15.5/140.3
EP1818	6910012350	S.BEA MMZ1608Y 102BT	B	104.9/138.6
EP1826	6910012350	S.BEA MMZ1608Y 102BT	B	104.9/140.2
EP1828	6910014690	S.BEA MPZ1608S221A-T	B	172.1/100.0
EP1830	6910012350	S.BEA MMZ1608Y 102BT	B	69.6/10.5
EP1831	6910012350	S.BEA MMZ1608Y 102BT	T	38.4/88.2
EP1832	6910012350	S.BEA MMZ1608Y 102BT	T	42.3/88.2
EP1833	6910012350	S.BEA MMZ1608Y 102BT	T	49.0/50.6
EP1834	6910012350	S.BEA MMZ1608Y 102BT	B	27.5/2.9
EP1835	6910012350	S.BEA MMZ1608Y 102BT	T	49.0/48.0
EP1836	6910012350	S.BEA MMZ1608Y 102BT	B	27.5/6.1
EP1837	6910012350	S.BEA MMZ1608Y 102BT	T	49.0/49.3
EP1838	6910012350	S.BEA MMZ1608Y 102BT	B	27.5/4.5
EP1901	6910014690	S.BEA MPZ1608S221A-T	T	136.8/137.7
EP2001	6910012350	S.BEA MMZ1608Y 102BT	B	166.6/245.8
EP2002	6910014690	S.BEA MPZ1608S221A-T	T	115.4/235.5
EP2003	6910012350	S.BEA MMZ1608Y 102BT	B	142.2/245.8
EP2004	6910012350	S.BEA MMZ1608Y 102BT	T	172.8/177.5
EP2005	6910012350	S.BEA MMZ1608Y 102BT	T	161.9/175.2
EP2006	6910012350	S.BEA MMZ1608Y 102BT	T	172.8/172.9
EP2007	6910012350	S.BEA MMZ1608Y 102BT	T	161.9/173.7
EP2008	6910012350	S.BEA MMZ1608Y 102BT	T	161.9/172.2
EP2009	6910012350	S.BEA MMZ1608Y 102BT	T	161.9/170.7
EP2010	6910012350	S.BEA MMZ1608Y 102BT	T	172.8/170.2
EP2011	6910012350	S.BEA MMZ1608Y 102BT	T	172.8/160.2
EP2012	6910012350	S.BEA MMZ1608Y 102BT	T	172.8/158.2
EP2013	6910014690	S.BEA MPZ1608S221A-T	T	163.5/208.0
EP2014	6910014690	S.BEA MPZ1608S221A-T	T	163.5/205.4
EP2015	6910014690	S.BEA MPZ1608S221A-T	T	163.5/202.8
EP2016	6910014690	S.BEA MPZ1608S221A-T	T	163.5/200.2
EP2017	6910014690	S.BEA MPZ1608S221A-T	T	163.5/197.6
EP2018	6910014690	S.BEA MPZ1608S221A-T	T	163.5/210.6

[MCF-W UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
F11401	2030000920	S.MON DSF753SDF 64.455 MHz (FL-364B)	T	20.0/6.5
L1401	6150004280	COI LS-484B (C-14927)		
L1402	6150004280	COI LS-484B (C-14927)		
C1401	4030006900	S.CER C1608 JB 1H 103K-T	T	4.4/6.5
C1402	4030007030	S.CER C1608 CH 1H 150J-T	T	14.7/6.5
C1404	4030006990	S.CER C1608 CH 1H 080D-T	T	18.6/2.1
C1406	4030007030	S.CER C1608 CH 1H 150J-T	T	25.4/6.5
C1408	4030006900	S.CER C1608 JB 1H 103K-T	T	35.7/6.5

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[MCF-M UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
FI1401	2030000331	S.MON DSF753SDF 64.455 MHz (FL-358A)	T	20.0/6.5
L1401	6150004280	COI LS-484B (C-14927)		
L1402	6150004280	COI LS-484B (C-14927)		
C1401	4030006900	S.CER C1608 JB 1H 103K-T	T	4.4/6.5
C1402	4030009920	S.CER C1608 CH 1H 050B-T	T	14.7/6.5
C1403	4030007020	S.CER C1608 CH 1H 120J-T	T	13.4/6.5
C1404	4030006990	S.CER C1608 CH 1H 080D-T	T	18.6/2.1
C1405	4030009920	S.CER C1608 CH 1H 050B-T	T	21.4/2.1
C1406	4030007020	S.CER C1608 CH 1H 120J-T	T	25.4/6.5
C1407	4030009920	S.CER C1608 CH 1H 050B-T	T	26.7/6.5
C1408	4030006900	S.CER C1608 JB 1H 103K-T	T	35.7/6.5

[MCF-N UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
FI1401	2030000510	S.MON DSF753SDF 64.455 MHz (FL-396)	T	20.0/6.5
L1401	6150004280	COI LS-484B (C-14927)		
L1402	6150004280	COI LS-484B (C-14927)		
C1401	4030006900	S.CER C1608 JB 1H 103K-T	T	4.4/6.5
C1402	4030007020	S.CER C1608 CH 1H 120J-T	T	14.7/6.5
C1403	4030007020	S.CER C1608 CH 1H 120J-T	T	13.4/6.5
C1404	4030007030	S.CER C1608 CH 1H 150J-T	T	18.6/2.1
C1405	4030007030	S.CER C1608 CH 1H 150J-T	T	21.4/2.1
C1406	4030007020	S.CER C1608 CH 1H 120J-T	T	25.4/6.5
C1407	4030007020	S.CER C1608 CH 1H 120J-T	T	26.7/6.5
C1408	4030006900	S.CER C1608 JB 1H 103K-T	T	35.7/6.5

Eqv.= This component is equivalent to the REF No. component listed above, and may be substituted on parts orders and repairs.

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

[PLL UNIT]

Table with columns: REF NO., PARTS NO., DESCRIPTION, M., H/V LOCATION. Lists various PLL unit components and their specifications.

[PLL UNIT]

Table with columns: REF NO., PARTS NO., DESCRIPTION, M., H/V LOCATION. Continues the list of PLL unit components.

Eqv.= This component is equivalent to the REF No. component listed above, and may be substituted on parts orders and repairs.

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

[SCOPE UNIT]

Table with columns: REF NO., PARTS NO., DESCRIPTION, M., H/V LOCATION. Lists various electronic components and their specifications.

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

[LOGIC UNIT]

Table with 5 columns: REF NO., PARTS NO., DESCRIPTION, M., H/V LOCATION. Contains part numbers R431 through R802 and their corresponding descriptions and locations.

[LOGIC UNIT]

Table with 5 columns: REF NO., PARTS NO., DESCRIPTION, M., H/V LOCATION. Contains part numbers R803 through R941 and their corresponding descriptions and locations.

Eqv.= This component is equivalent to the REF No. component listed above, and may be substituted on parts orders and repairs.

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

[MEMORY UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
IC1	1130015851	S.IC JS28F128J3F75A(SX3009A-12) <FE>	T	39.8/26.3
IC2	1130013480	S.IC JS28F128J3D-75	T	24.0/26.3
C1	4030011600	S.CER C1608 JB 1E 104K-T	T	41.8/38.2
C2	4030011600	S.CER C1608 JB 1E 104K-T	T	41.1/14.0
C3	4030011600	S.CER C1608 JB 1E 104K-T	T	38.1/14.0
C4	4030011600	S.CER C1608 JB 1E 104K-T	T	26.0/38.2
C5	4030011600	S.CER C1608 JB 1E 104K-T	T	25.3/14.0
C6	4030011600	S.CER C1608 JB 1E 104K-T	T	22.3/14.0
J1	6510024411	S.CON AXK6S30547YG	T	55.0/20.0
J2	6510020121	S.CON AXK6S40547YG	T	10.0/20.0

[DC-DC UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
IC201	1180003100	S.REG BD9302FP-E2	T	124.5/52.8
IC401	1180003100	S.REG BD9302FP-E2	T	51.4/52.3
IC601	1180003100	S.REG BD9302FP-E2	T	88.0/52.3
IC801	1180002530	S.REG LM2594M-12	T	160.2/59.4
Q141	1590003310	S.TRA DTD113ZK T146	T	28.4/79.8
D141	1750000520	S.DIO DAN222TL	T	26.3/77.8
D201	1750000960	S.DIO RB081L-20	T	122.9/61.3
D301	1750000960	S.DIO RB081L-20	T	124.8/44.2
D401	1750000960	S.DIO RB081L-20	T	49.9/61.9
D501	1750000960	S.DIO RB081L-20	T	53.9/43.7
D601	1750000960	S.DIO RB081L-20	T	86.4/60.9
D801	1710000840	S.DIO 1SR154-400 TE25	T	149.2/41.5
D802	1750001011	S.DIO MBRD835LT4G	T	150.5/57.5
D803	1750000960	S.DIO RB081L-20	T	156.9/67.5
L141	6200001831	S.COI NLV32T-100J	T	30.4/74.4
L201	6200013280	S.COI SLF10145T-330M1R6-PF	T	118.5/68.2
L211	6200010881	S.COI CDRH124NP-330MCI	T	132.7/66.9
L301	6200013280	S.COI SLF10145T-330M1R6-PF	T	132.3/37.7
L302	6200010901	S.COI CDRH104RNP-100NCI	T	116.8/37.5
L401	6200013280	S.COI SLF10145T-330M1R6-PF	T	45.9/69.0
L411	6200010881	S.COI CDRH124NP-330MCI	T	59.6/66.3
L501	6200013280	S.COI SLF10145T-330M1R6-PF	T	46.2/37.1
L601	6200013280	S.COI SLF10145T-330M1R6-PF	T	82.4/67.7
L611	6200010881	S.COI CDRH124NP-330MCI	T	96.3/65.9
L801	6190001640	S.COI SLF12555T-101M1R1-PF	T	159.0/47.5
L802	6190001191	S.COI D10F-#A814AY-101K	T	166.3/33.0
L803	6200013280	S.COI SLF10145T-330M1R6-PF	T	147.2/30.8
R141	7030008190	S.RES ERJ12YJ330U (33)	T	27.1/73.6
R201	7030003680	S.RES ERJ3GEYJ 104 V (100K)	T	114.2/59.2
R202	7030003600	S.RES ERJ3GEYJ 223 V (22K)	T	116.9/59.2
R204	7030003610	S.RES ERJ3GEYJ 273 V (27K)	T	117.7/57.3
R205	7030005451	S.RES ERA3YED 153V (15K)	T	118.1/55.4
R301	7030003670	S.RES ERJ3GEYJ 823 V (82K)	T	113.5/47.4
R302	7030003530	S.RES ERJ3GEYJ 562 V (5.6K)	T	116.4/47.4
R303	7030003530	S.RES ERJ3GEYJ 562 V (5.6K)	T	118.4/46.6
R304	7030003610	S.RES ERJ3GEYJ 273 V (27K)	T	117.7/48.5
R401	7030003670	S.RES ERJ3GEYJ 823 V (82K)	T	41.3/58.8
R402	7030003530	S.RES ERJ3GEYJ 562 V (5.6K)	T	43.4/58.1
R403	7030003530	S.RES ERJ3GEYJ 562 V (5.6K)	T	44.1/60.0
R404	7030003610	S.RES ERJ3GEYJ 273 V (27K)	T	44.7/57.2
R405	7030005451	S.RES ERA3YED 153V (15K)	T	45.0/55.1
R501	7030003610	S.RES ERJ3GEYJ 273 V (27K)	T	41.6/46.0
R502	7030003590	S.RES ERJ3GEYJ 183 V (18K)	T	44.3/46.0
R504	7030003610	S.RES ERJ3GEYJ 273 V (27K)	T	44.9/47.9
R601	7030003680	S.RES ERJ3GEYJ 104 V (100K)	T	78.2/58.7
R602	7030003600	S.RES ERJ3GEYJ 223 V (22K)	T	80.9/58.7
R604	7030003610	S.RES ERJ3GEYJ 273 V (27K)	T	81.3/56.9
R605	7030005451	S.RES ERA3YED 153V (15K)	T	81.9/54.9
R706	7030003860	S.RES ERJ3GE JPW V	T	81.9/49.7
R801	7030003640	S.RES ERJ3GEYJ 473 V (47K)	T	155.9/61.4
R802	7030003640	S.RES ERJ3GEYJ 473 V (47K)	T	158.1/62.8
C8	4030006880	S.CER C1608 JB 1H 472K-T	T	112.7/18.0
C9	4510009860	S.ELE 25 CE 330 BS	T	111.6/12.0
C141	4030011600	S.CER C1608 JB 1E 104K-T	T	30.7/79.6
C201	4030011280	S.CER C1608 CH 1H 271J-T	T	114.2/58.0
C202	4030006860	S.CER C1608 JB 1H 102K-T	T	116.2/57.3
C203	4030011600	S.CER C1608 JB 1E 104K-T	T	118.1/54.2
C204	4030011600	S.CER C1608 JB 1E 104K-T	T	129.9/57.3
C205	4030018970	S.CER C3225 JB 1C 226MT-N	T	115.0/61.3
C206	4030007130	S.CER C1608 CH 1H 101J-T	T	118.9/57.5
C207	4030018970	S.CER C3225 JB 1C 226MT-N	T	114.5/54.1
C211	4030011600	S.CER C1608 JB 1E 104K-T	T	129.9/54.5
C212	4550007140	S.TAN TEESVD 1C 107M12R	T	134.1/49.6
	Eqv. 4550008190	S.TAN F931C107MNC		
C213	4030018970	S.CER C3225 JB 1C 226MT-N	T	133.2/56.7
C214	4030011600	S.CER C1608 JB 1E 104K-T	T	137.4/74.5
C301	4030011280	S.CER C1608 CH 1H 271J-T	T	114.8/47.4
C302	4030006860	S.CER C1608 JB 1H 102K-T	T	115.5/49.4
C303	4030011600	S.CER C1608 JB 1E 104K-T	T	118.5/50.3
C304	4030011600	S.CER C1608 JB 1E 104K-T	T	129.6/48.2
C305	4030018970	S.CER C3225 JB 1C 226MT-N	T	125.3/39.8
C306	4030007130	S.CER C1608 CH 1H 101J-T	T	119.0/48.5
C307	4030018970	S.CER C3225 JB 1C 226MT-N	T	116.3/44.4
C308	4030011600	S.CER C1608 JB 1E 104K-T	T	106.9/36.3
C401	4030011280	S.CER C1608 CH 1H 271J-T	T	41.3/60.0
C402	4030006860	S.CER C1608 JB 1H 102K-T	T	41.9/57.0
C403	4030011600	S.CER C1608 JB 1E 104K-T	T	45.1/53.8
C404	4030011600	S.CER C1608 JB 1E 104K-T	T	56.8/56.7
C405	4030018970	S.CER C3225 JB 1C 226MT-N	T	41.9/62.2
C406	4030007130	S.CER C1608 CH 1H 101J-T	T	46.1/57.2
C408	4030011600	S.CER C1608 JB 1E 104K-T	T	34.7/60.0
C411	4030011600	S.CER C1608 JB 1E 104K-T	T	56.8/53.9
C412	4550007140	S.TAN TEESVD 1C 107M12R	T	61.0/45.4
	Eqv. 4550008190	S.TAN F931C107MNC		
C413	4030018970	S.CER C3225 JB 1C 226MT-N	T	59.6/54.4
C501	4030011280	S.CER C1608 CH 1H 271J-T	T	41.6/47.3
C502	4030006860	S.CER C1608 JB 1H 102K-T	T	43.6/47.9
C503	4030011600	S.CER C1608 JB 1E 104K-T	T	45.3/49.9
C504	4030011600	S.CER C1608 JB 1E 104K-T	T	56.7/47.6
C505	4030018970	S.CER C3225 JB 1C 226MT-N	T	43.6/43.9
C506	4030007130	S.CER C1608 CH 1H 101J-T	T	46.1/47.9
C508	4030011600	S.CER C1608 JB 1E 104K-T	T	35.5/47.2
C601	4030011280	S.CER C1608 CH 1H 271J-T	T	78.2/57.5
C602	4030006860	S.CER C1608 JB 1H 102K-T	T	80.1/56.9
C603	4030011600	S.CER C1608 JB 1E 104K-T	T	82.2/53.0

Eqv.= This component is equivalent to the REF No. component listed above, and may be substituted on parts orders and repairs.

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

[DC-DC UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
C604	4030011600	S.CER C1608 JB 1E 104K-T	T	93.2/56.7
C605	4030018970	S.CER C3225 JB 1C 226MT-N	T	78.9/60.9
C606	4030007130	S.CER C1608 CH 1H 101J-T	T	82.6/56.9
C607	4030018970	S.CER C3225 JB 1C 226MT-N	T	77.3/55.3
C608	4030018970	S.CER C3225 JB 1C 226MT-N	T	79.1/52.3
C611	4030011600	S.CER C1608 JB 1E 104K-T	T	93.2/54.0
C612	4550007140	S.TAN TEESVD 1C 107M12R	T	97.7/45.3
Eqv.	4550008190	S.TAN F931C107MNC		
C613	4030018970	S.CER C3225 JB 1C 226MT-N	T	95.9/54.4
C801	4510008910	S.ELE EEEFC1C101P	T	148.1/48.1
C802	4030011600	S.CER C1608 JB 1E 104K-T	T	160.7/62.8
C803	4510008940	S.ELE EEEFC1V470P	T	147.6/66.3
C805	4030018970	S.CER C3225 JB 1C 226MT-N	T	150.0/23.6
RL142	6330001760	REL AW3023		
J1	6510022801	S.CON B10B-PH-SM4-TB(LF)(SN)	T	24.6/24.0
J2	6510020251	S.CON B9B-PH-SM4-TB(LF)(SN)	T	24.5/54.1
J3	6510018941	S.CON B13B-PH-SM4-TB(LF)(SN)	T	60.2/24.6
J5	6510018951	S.CON B7B-PH-SM4-TB(LF)(SN)	T	56.0/10.3
J6	6510023261	S.CON B6B-PH-SM4-TB(LF)(SN)	T	80.4/10.2
J7	6510018921	S.CON B8B-PH-SM4-TB(LF)(SN)	T	91.1/24.6
J8	6510018971	S.CON B4B-PH-SM4-TB(LF)(SN)	T	113.0/24.6
W1	9030090150	WIR OPC-1803		
EP201	6910014730	S.BEA MPZ2012S331A-T	T	112.0/57.1
EP211	6910014730	S.BEA MPZ2012S331A-T	T	128.4/74.2
EP301	6910014730	S.BEA MPZ2012S331A-T	T	124.9/33.2
EP302	6910014730	S.BEA MPZ2012S331A-T	T	103.6/28.5
EP401	6910014730	S.BEA MPZ2012S331A-T	T	38.9/60.4
EP402	6910014730	S.BEA MPZ2012S331A-T	T	33.5/57.7
EP501	6910014730	S.BEA MPZ2012S331A-T	T	40.0/48.9
EP502	6910014730	S.BEA MPZ2012S331A-T	T	34.3/49.3
EP601	6910014730	S.BEA MPZ2012S331A-T	T	75.8/58.4
EP602	6910014730	S.BEA MPZ2012S331A-T	T	75.8/52.2

[TUNER UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
MF1	2710000780	MOT MP24ZY685		
MF2	2710000780	MOT MP24ZY685		
MF3	2710000890	FAN U60R12MHAB-51		
W1	8900012901	CAB OPC-1345R		
W2	8900012901	CAB OPC-1345R		
W3	8900017140	CAB OPC-927A (P1N24L100) <TJM>		

Eqv.= This component is equivalent to the REF No. component listed above, and may be substituted on parts orders and repairs.

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

[CTRL UNIT]

Table with columns: REF NO., PARTS NO., DESCRIPTION, M., H/V LOCATION. Rows include components like C255, C301, C302, etc., with descriptions such as GRM31M2C2H7R0DV01L and S.CER C1608 CH 1H 150J-T.

[NETWORK UNIT]

Table with columns: REF NO., PARTS NO., DESCRIPTION, M., H/V LOCATION. Rows include components like Q301, L50, L60, etc., with descriptions such as S.TRA DTC114EUA T106 and S.CER C1608 JB 1H 472K-T.

Eqv.= This component is equivalent to the REF No. component listed above, and may be substituted on parts orders and repairs.

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

[NETWORK UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
EP3	6910014730	S.BEA MPZ2012S331A-T	T	183.9/2.7
EP4	6910014730	S.BEA MPZ2012S331A-T	T	170.7/4.1
EP202	6910015970	S.BEA MMZ1608B 301CT-AS	T	187.4/11.9
EP203	6910015970	S.BEA MMZ1608B 301CT-AS	T	188.4/14.6
EP204	6910015970	S.BEA MMZ1608B 301CT-AS	T	189.4/11.9
EP205	6910015970	S.BEA MMZ1608B 301CT-AS	T	190.4/14.6
EP206	6910015970	S.BEA MMZ1608B 301CT-AS	T	191.4/11.9
EP207	6910015970	S.BEA MMZ1608B 301CT-AS	T	192.4/14.6
EP208	6910015970	S.BEA MMZ1608B 301CT-AS	T	193.4/11.9
EP209	6910015970	S.BEA MMZ1608B 301CT-AS	T	194.4/14.6
EP252	6910015970	S.BEA MMZ1608B 301CT-AS	T	175.4/11.8
EP253	6910015970	S.BEA MMZ1608B 301CT-AS	T	176.4/14.3
EP254	6910015970	S.BEA MMZ1608B 301CT-AS	T	177.4/11.8
EP255	6910015970	S.BEA MMZ1608B 301CT-AS	T	178.4/14.3
EP256	6910015970	S.BEA MMZ1608B 301CT-AS	T	179.4/11.8
EP257	6910015970	S.BEA MMZ1608B 301CT-AS	T	180.4/14.3
EP258	6910015970	S.BEA MMZ1608B 301CT-AS	T	181.4/11.8
EP259	6910015970	S.BEA MMZ1608B 301CT-AS	T	182.4/14.3
EP300	6910015970	S.BEA MMZ1608B 301CT-AS	T	185.1/11.9

[ANT-SW UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
IC11	1130011510	S.IC BU2099FV-E2	T	160.6/33.6
IC12	1180002391	S.REG S-812C33AMC-C2N-G	T	152.4/28.7
Q11	1590001001	S.TRA RN2427(TE85LF)	B	85.8/99.9
Q12	1590001001	S.TRA RN2427(TE85LF)	T	152.4/36.9
Q13	1590001001	S.TRA RN2427(TE85LF)	T	164.8/38.6
Q14	1590001001	S.TRA RN2427(TE85LF)	T	164.7/17.5
D51	1750000550	S.DIO 1SS355 TE-17	T	162.0/13.3
D61	1750000550	S.DIO 1SS355 TE-17	T	119.0/19.7
D71	1750000550	S.DIO 1SS355 TE-17	T	68.8/21.5
D81	1750000550	S.DIO 1SS355 TE-17	T	36.9/19.8
D83	1750000550	S.DIO 1SS355 TE-17	T	28.2/45.3
D84	1750000550	S.DIO 1SS355 TE-17	T	25.8/43.0
L2	6110001670	COI LA-253		
R3	7540000130	ABS 2P-50A-301		
R11	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	165.5/27.5
R12	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	164.2/27.5
R13	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	162.9/27.4
R14	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	166.3/33.9
R15	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	154.0/32.7
R17	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	154.7/39.4
R18	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	154.0/34.0
R20	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	152.2/39.1
R21	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	154.7/36.6
R23	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	162.3/39.1
R24	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	161.0/39.1
R26	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	162.7/15.7
C1	4010005610	CER HM60SJ SL 100D 500V		
C2	4010005660	CER HM60SJ SL 220J 500V		
C11	4030011600	S.CER C1608 JB 1E 104K-T	T	160.8/29.5
C12	4030011600	S.CER C1608 JB 1E 104K-T	T	154.9/28.0
C51	4030006880	S.CER C1608 JB 1H 472K-T	T	163.6/13.6
C61	4030006880	S.CER C1608 JB 1H 472K-T	T	119.3/21.4
C71	4030006880	S.CER C1608 JB 1H 472K-T	T	69.0/19.9
C81	4030006880	S.CER C1608 JB 1H 472K-T	T	37.2/21.3
C83	4030006880	S.CER C1608 JB 1H 472K-T	T	26.7/45.6
C84	4030006880	S.CER C1608 JB 1H 472K-T	T	25.1/45.6
RL51	6330001460	REL FTR-F1CA012V		
RL61	6330001460	REL FTR-F1CA012V		
RL71	6330001460	REL FTR-F1CA012V		
RL81	6330001460	REL FTR-F1CA012V		
RL83	6330001780	REL FTR-MYAA012D		
RL84	6330001780	REL FTR-MYAA012D		
J1	6510017930	CON 1771P145-20		
J3	6510028210	CON SJ050010 (TMP-J01X-V6)		
J4	6510019971	S.CON 52808-1071	T	153.1/22.0
J51	6510000410	CON MR-DS-E 02 <SSC>		
J61	6510000410	CON MR-DS-E 02 <SSC>		
J71	6510000410	CON MR-DS-E 02 <SSC>		
J81	6510000410	CON MR-DS-E 02 <SSC>		
EP2	6910014730	S.BEA MPZ2012S331A-T	T	151.6/26.1

Eqv.= This component is equivalent to the REF No. component listed above, and may be substituted on parts orders and repairs.

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

[FRONT UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
W1	8900017300	CAB OPC-1838 (P1N16L140) <TJM>		
W2	8900015940	CAB OPC-875A (P1N20L70) <TJM>		
W3	8900015930	CAB OPC-886A (P1N10L75) <TJM>		
W4	8900017280	CAB OPC-1836 (P1N10L60) <TJM>		
W5	8900014720	CAB OPC-909A (P1N10L110) <TJM>		
W6	8900017290	CAB OPC-1837 (P1N10L170) <TJM>		
W7	8900017100	CAB OPC-1825 (P1N18L70) <TJM>		
W8	8900015930	CAB OPC-886A (P1N10L75) <TJM>		
W9	8900014871	CAB OPC-1332A-1(P0.5N40L100) TJM		
W10	8900014720	CAB OPC-909A (P1N10L110) <TJM>		
W11	8900015930	CAB OPC-886A (P1N10L75) <TJM>		
W12	8900015930	CAB OPC-886A (P1N10L75) <TJM>		
W13	8900014871	CAB OPC-1332A-1(P0.5N40L100) TJM		
EP1	6910015291	UNI LTA070B790F		
EP11	6910011090	SEN RMS20-250-201-P		
EP12	0880001460	UNI EX-2500 SENSOR		
EP101	6910022560	E.O SNAP PLATE		
EP102	6910022560	E.O SNAP PLATE		

[DISPLAY UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
IC3	1130011880	S.IC CD4051BPWR	T	85.2/18.4
IC4	1130011880	S.IC CD4051BPWR	T	43.5/78.7
IC5	1130011880	S.IC CD4051BPWR	T	44.7/68.8
IC6	1140015180	S.IC M30622M6P-535GP(SX-3009B-1)	T	52.4/39.0
IC7	1130011510	S.IC BU2099FV-E2	T	72.3/59.9
IC201	1130009301	S.IC TC7SET08FU(T5LJF)	T	80.2/45.6
IC202	1130009301	S.IC TC7SET08FU(T5LJF)	T	117.3/58.5
IC203	1130007431	S.IC TC7S14FU(TE85RF)	T	94.6/36.1
IC601	1130011551	S.IC RX-4581NB-F	T	35.6/29.3
IC651	1110005822	S.IC R3112N281A-TR-FE	T	120.7/71.8
Q200	1590000430	S.TRA DTC144EUA T106	T	117.7/80.1
Q201	1550000330	S.FET FDC610PZ	T	118.3/43.6
Q202	1590004750	S.TRA LMUN5213T1G <SLVJ>	T	115.3/47.5
Q203	1590004750	S.TRA LMUN5213T1G <SLVJ>	T	96.4/32.8
Q204	1590004750	S.TRA LMUN5213T1G <SLVJ>	T	104.6/35.5
Q205	1590004750	S.TRA LMUN5213T1G <SLVJ>	T	108.4/34.9
Q206	1590000680	S.TRA DTC114EUA T106	T	134.4/14.6
Q207	1590004750	S.TRA LMUN5213T1G <SLVJ>	T	107.1/48.1
Q209	1520000651	S.TRA 2SB1201S-TL-E	T	124.9/59.9
Q210	1530002060	S.TRA 2SC4081 T106 R	T	117.4/55.3
Q211	1590001330	S.TRA DTA114EUA T106	T	131.9/63.6
Q501	1590000680	S.TRA DTC114EUA T106	T	131.5/73.4
Q502	1590000680	S.TRA DTC114EUA T106	T	29.7/46.1
Q503	1590000680	S.TRA DTC114EUA T106	T	29.7/48.6
Q504	1590001330	S.TRA DTA114EUA T106	T	131.5/68.4
Q505	1590000680	S.TRA DTC114EUA T106	T	131.5/70.9
Q601	1510000501	S.TRA 2SA1162-GR(TE85RF)	T	113.6/80.4
D7	1750000520	S.DIO DAN222TL	T	130.4/18.3
D8	1160000140	S.DIO DAP222 TL	T	130.4/16.2
D10	1730002591	S.ZEN MAZ8033GHL	T	119.5/57.0
D11	1790001670	S.DIO RB706F-40T106	T	135.2/17.1
D12	1790001670	S.DIO RB706F-40T106	T	50.7/54.1
D201	1750002170	S.DIO DB2S31400L	T	91.1/36.9
D202	1750002170	S.DIO DB2S31400L	T	102.0/37.0
D601	1750002020	S.DIO DA2S10100L	T	111.6/81.7
D602	1750002020	S.DIO DA2S10100L	T	113.4/78.1
D603	1750002020	S.DIO DA2S10100L	T	111.6/78.9
X1	6050009870	S.XTA CR-567 SMD-49 9.8304 MHz <KDS>	T	35.6/40.6
L201	6200001831	S.COI NLV32T-100J	T	31.2/58.1
L204	6200001831	S.COI NLV32T-100J	T	25.9/73.3
L601	6200001831	S.COI NLV32T-100J	T	116.7/77.3
R200	7030003800	S.RES ERJ3GEYJ 105 V (1M)	T	114.7/43.5
R201	7030003680	S.RES ERJ3GEYJ 104 V (100K)	T	117.3/46.7
R202	7030003250	S.RES ERJ3GEYJ 270 V (27)	T	89.6/36.9
R203	7030003800	S.RES ERJ3GEYJ 105 V (1M)	T	38.9/40.6
R204	7030003690	S.RES ERJ3GEYJ 124 V (120K)	T	90.4/34.8
R205	7030003520	S.RES ERJ3GEYJ 472 V (4.7K)	T	98.6/37.0
R206	7030003250	S.RES ERJ3GEYJ 270 V (27)	T	100.5/37.0
R207	7030003570	S.RES ERJ3GEYJ 123 V (12K)	T	101.3/34.8
R208	7030003560	S.RES ERJ3GEYJ 103 V (10K)	T	104.8/37.6
R209	7030003860	S.RES ERJ3GE JPW V	T	16.2/24.6
R210	7030003860	S.RES ERJ3GE JPW V	T	23.8/24.1
R212	7030003490	S.RES ERJ3GEYJ 272 V (2.7K)	T	79.5/48.6
R213	7030003770	S.RES ERJ3GEYJ 564 V (560K)	T	81.0/48.6
R214	7030003440	S.RES ERJ3GEYJ 102 V (1K)	T	50.8/13.5
R215	7030003440	S.RES ERJ3GEYJ 102 V (1K)	T	49.5/13.5
R216	7030003440	S.RES ERJ3GEYJ 102 V (1K)	T	48.2/13.5
R217	7030003440	S.RES ERJ3GEYJ 102 V (1K)	T	46.9/13.5
R218	7030003440	S.RES ERJ3GEYJ 102 V (1K)	T	45.6/13.5
R219	7030003440	S.RES ERJ3GEYJ 102 V (1K)	T	44.3/13.5
R220	7030003440	S.RES ERJ3GEYJ 102 V (1K)	T	41.7/13.7
R221	7030003440	S.RES ERJ3GEYJ 102 V (1K)	T	43.0/13.5
R222	7030003440	S.RES ERJ3GEYJ 102 V (1K)	T	40.6/16.1
R223	7030003440	S.RES ERJ3GEYJ 102 V (1K)	T	39.9/13.6
R224	7030003440	S.RES ERJ3GEYJ 102 V (1K)	T	39.1/16.1
R225	7030003440	S.RES ERJ3GEYJ 102 V (1K)	T	38.3/13.4
R226	7030003440	S.RES ERJ3GEYJ 102 V (1K)	T	37.6/16.1
R227	7030003440	S.RES ERJ3GEYJ 102 V (1K)	T	36.8/13.4
R228	7030003440	S.RES ERJ3GEYJ 102 V (1K)	T	35.5/13.4
R229	7030003440	S.RES ERJ3GEYJ 102 V (1K)	T	32.9/13.4
R230	7030003440	S.RES ERJ3GEYJ 102 V (1K)	T	34.2/13.4
R232	7030003440	S.RES ERJ3GEYJ 102 V (1K)	T	83.9/13.5
R233	7030003440	S.RES ERJ3GEYJ 102 V (1K)	T	85.2/13.5
R234	7030003440	S.RES ERJ3GEYJ 102 V (1K)	T	86.5/13.5
R235	7030003440	S.RES ERJ3GEYJ 102 V (1K)	T	87.8/13.5
R236	7030003440	S.RES ERJ3GEYJ 102 V (1K)	T	89.1/13.5
R237	7030003440	S.RES ERJ3GEYJ 102 V (1K)	T	90.4/13.5
R238	7030003440	S.RES ERJ3GEYJ 102 V (1K)	T	91.7/13.5
R239	7030003440	S.RES ERJ3GEYJ 102 V (1K)	T	30.9/53.3
R240	7030003440	S.RES ERJ3GEYJ 102 V (1K)	T	30.8/51.9
R241	7030003680	S.RES ERJ3GEYJ 104 V (100K)	T	30.9/54.6
R242	7030003680	S.RES ERJ3GEYJ 104 V (100K)	T	33.5/52.3
R246	7030003440	S.RES ERJ3GEYJ 102 V (1K)	T	65.4/13.5
R247	7030003440	S.RES ERJ3GEYJ 102 V (1K)	T	64.1/13.5
R248	7030003440	S.RES ERJ3GEYJ 102 V (1K)	T	62.8/13.5
R249	7030003440	S.RES ERJ3GEYJ 102 V (1K)	T	61.5/13.5
R250	7030003440	S.RES ERJ3GEYJ 102 V (1K)	T	60.2/13.5
R251	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	58.9/13.5
R252	7030003440	S.RES ERJ3GEYJ 102 V (1K)	T	57.6/13.5
R253	7030003440	S.RES ERJ3GEYJ 102 V (1K)	T	56.3/13.5
R254	7030003680	S.RES ERJ3GEYJ 104 V (100K)	T	55.0/13.5
R255	7030003640	S.RES ERJ3GEYJ 473 V (47K)	T	22.7/14.2
R256	7030003640	S.RES ERJ3GEYJ 473 V (47K)	T	26.6/14.2
R257	7030003670	S.RES ERJ3GEYJ 823 V (82K)	T	24.0/14.2

Eqv.= This component is equivalent to the REF No. component listed above, and may be substituted on parts orders and repairs.

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

[VR-A UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
R1	7210002970	VAR RV-314(RK0972210 10KB/10KB)		
R2	7210002970	VAR RV-314(RK0972210 10KB/10KB)		
R3	7030003520	S.RES ERJ3GEYJ 472 V (4.7K)	B	8.6/61.5
R4	7030003520	S.RES ERJ3GEYJ 472 V (4.7K)	T	12.7/78.0
R5	7030003520	S.RES ERJ3GEYJ 472 V (4.7K)	T	11.3/78.0
R6	7030003520	S.RES ERJ3GEYJ 472 V (4.7K)	T	12.7/42.4
R101	7030003860	S.RES ERJ3GE JPW V	T	8.8/56.1
R102	7030003860	S.RES ERJ3GE JPW V	T	4.7/56.1
R103	7030003860	S.RES ERJ3GE JPW V	T	3.3/56.1
R104	7030003860	S.RES ERJ3GE JPW V	T	9.5/9.0
R105	7030003860	S.RES ERJ3GE JPW V	T	8.2/9.0
R106	7030003860	S.RES ERJ3GE JPW V	T	6.2/9.0
R107	7030003860	S.RES ERJ3GE JPW V	T	4.2/8.2
R108	7030003860	S.RES ERJ3GE JPW V	T	12.1/23.5
C1	4030006880	S.CER C1608 JB 1H 472K-T	T	10.0/42.4
C2	4030006880	S.CER C1608 JB 1H 472K-T	T	23.0/39.0
C3	4030006880	S.CER C1608 JB 1H 472K-T	T	19.5/61.5
C4	4030006880	S.CER C1608 JB 1H 472K-T	T	21.5/61.5
J103	6510019971	S.CON 52808-1071	T	9.5/60.6
J104	6510020711	S.CON 52793-1070(1090)	T	9.7/2.4
J106	6510019981	S.CON 52808-1671(1690)	T	4.9/41.0
J107	6510025270	S.CON S6B-PH-SM4-TB(LF)(SN)	T	3.7/18.5
EP107	6910012350	S.BEA MMZ1608Y 102BT	T	13.1/56.1
EP108	6910012350	S.BEA MMZ1608Y 102BT	T	14.4/56.1
EP111	6910012350	S.BEA MMZ1608Y 102BT	T	10.1/56.1
EP112	6910012350	S.BEA MMZ1608Y 102BT	T	7.4/56.1
EP113	6910012350	S.BEA MMZ1608Y 102BT	T	6.0/56.1
EP114	6910012350	S.BEA MMZ1608Y 102BT	T	16.1/8.9
EP115	6910012350	S.BEA MMZ1608Y 102BT	T	16.2/13.5
EP116	6910012350	S.BEA MMZ1608Y 102BT	T	14.9/13.5
EP117	6910012350	S.BEA MMZ1608Y 102BT	T	13.6/13.5
EP118	6910012350	S.BEA MMZ1608Y 102BT	T	12.3/13.5
EP119	6910012350	S.BEA MMZ1608Y 102BT	T	11.0/13.5
EP120	6910012350	S.BEA MMZ1608Y 102BT	T	15.5/21.7
EP121	6910012350	S.BEA MMZ1608Y 102BT	T	15.5/22.9
EP122	6910012350	S.BEA MMZ1608Y 102BT	T	15.5/20.5

[VR-B UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
R1	7210002970	VAR RV-314(RK0972210 10KB/10KB)		
R2	7210002970	VAR RV-314(RK0972210 10KB/10KB)		
R3	7210002970	VAR RV-314(RK0972210 10KB/10KB)		
R4	7030003520	S.RES ERJ3GEYJ 472 V (4.7K)	B	8.6/60.2
R5	7030003520	S.RES ERJ3GEYJ 472 V (4.7K)	T	66.9/71.0
R6	7030003520	S.RES ERJ3GEYJ 472 V (4.7K)	T	74.7/71.0
R7	7030003520	S.RES ERJ3GEYJ 472 V (4.7K)	T	11.3/42.4
R8	7030003520	S.RES ERJ3GEYJ 472 V (4.7K)	T	12.2/14.0
R9	7030003520	S.RES ERJ3GEYJ 472 V (4.7K)	T	10.9/14.0
C1	4030006880	S.CER C1608 JB 1H 472K-T	T	18.9/41.2
C2	4030006880	S.CER C1608 JB 1H 472K-T	T	12.7/39.8
C3	4030006880	S.CER C1608 JB 1H 472K-T	T	10.1/78.0
C4	4030006880	S.CER C1608 JB 1H 472K-T	T	13.9/78.0
C5	4030006880	S.CER C1608 JB 1H 472K-T	T	9.7/14.0
C6	4030006880	S.CER C1608 JB 1H 472K-T	T	12.2/16.7
J1	6510019971	S.CON 52808-1071	T	4.0/42.5

Eqv.= This component is equivalent to the REF No. component listed above, and may be substituted on parts orders and repairs.

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

[VR-C UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
R1	7210001130	VAR RK097111T005A (10KB)		
R2	7210001130	VAR RK097111T005A (10KB)		
R3	7210001130	VAR RK097111T005A (10KB)		
R4	7210001130	VAR RK097111T005A (10KB)		
R5	7210001130	VAR RK097111T005A (10KB)		
R6	7210001130	VAR RK097111T005A (10KB)		
R7	7210001130	VAR RK097111T005A (10KB)		
R11	7030003520	S.RES ERJ3GEYJ 472 V (4.7K)	B	139.4/11.0
R12	7030003520	S.RES ERJ3GEYJ 472 V (4.7K)	B	117.3/11.0
R13	7030003520	S.RES ERJ3GEYJ 472 V (4.7K)	B	95.2/11.0
R14	7030003520	S.RES ERJ3GEYJ 472 V (4.7K)	B	74.6/11.0
R15	7030003520	S.RES ERJ3GEYJ 472 V (4.7K)	B	8.3/11.0
R16	7030003520	S.RES ERJ3GEYJ 472 V (4.7K)	B	30.4/11.0
R17	7030003520	S.RES ERJ3GEYJ 472 V (4.7K)	B	52.5/11.0
C11	4030006880	S.CER C1608 JB 1H 472K-T	B	139.4/9.8
C12	4030006880	S.CER C1608 JB 1H 472K-T	B	117.3/9.8
C13	4030006880	S.CER C1608 JB 1H 472K-T	B	95.2/9.8
C14	4030006880	S.CER C1608 JB 1H 472K-T	B	74.6/9.8
C15	4030006880	S.CER C1608 JB 1H 472K-T	B	8.3/9.8
C16	4030006880	S.CER C1608 JB 1H 472K-T	B	30.4/9.8
C17	4030006880	S.CER C1608 JB 1H 472K-T	B	52.5/9.8
J1	6510019971	S.CON 52808-1071	B	81.8/5.5

[SW-A UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
R2	7030003400	S.RES ERJ3GEYJ 471 V (470)	B	46.2/36.1
R3	7030003420	S.RES ERJ3GEYJ 681 V (680)	B	22.1/36.1
R4	7030003390	S.RES ERJ3GEYJ 391 V (390)	B	19.1/29.5
R12	7030003400	S.RES ERJ3GEYJ 471 V (470)	B	36.7/81.8
R13	7030003480	S.RES ERJ3GEYJ 222 V (2.2K)	B	10.8/47.0
R14	7030003520	S.RES ERJ3GEYJ 472 V (4.7K)	B	21.2/71.0
R22	7030003480	S.RES ERJ3GEYJ 222 V (2.2K)	B	97.8/81.5
R23	7030003520	S.RES ERJ3GEYJ 472 V (4.7K)	B	99.4/63.4
R24	7030003580	S.RES ERJ3GEYJ 153 V (15K)	B	99.4/55.0
R25	7030003480	S.RES ERJ3GEYJ 222 V (2.2K)	B	99.4/30.1
R26	7030003520	S.RES ERJ3GEYJ 472 V (4.7K)	B	99.4/19.9
R27	7030003580	S.RES ERJ3GEYJ 153 V (15K)	B	98.1/19.9
R29	7030003580	S.RES ERJ3GEYJ 153 V (15K)	B	43.0/71.0
R30	7030003400	S.RES ERJ3GEYJ 471 V (470)	B	56.5/81.8
R31	7030003400	S.RES ERJ3GEYJ 471 V (470)	B	76.3/81.8
C2	4030011600	S.CER C1608 JB 1E 104K-T	B	91.3/72.7
C4	4030011600	S.CER C1608 JB 1E 104K-T	B	99.2/71.2
C5	4030011600	S.CER C1608 JB 1E 104K-T	B	90.5/70.0
C9	4030011600	S.CER C1608 JB 1E 104K-T	B	96.9/52.5
J1	6510020081	S.CON 52808-2071(2090)	B	95.0/65.5
DS5	5040002980	S.LED SML-512DW-T86	T	9.6/93.7
DS6	5040002930	S.LED SML-512MW T86	T	9.1/92.4
DS7	5040002930	S.LED SML-512MW T86	T	9.6/45.3
DS12	5040002930	S.LED SML-512MW T86	T	36.0/76.2
DS15	5040002990	S.LED SML-512UWT86	T	9.0/62.1
DS16	5040002930	S.LED SML-512MW T86	T	9.1/60.8
DS17	5040002930	S.LED SML-512MW T86	T	55.8/76.2
DS18	5040002930	S.LED SML-512MW T86	T	75.6/76.2
S1	2260002740	S.SWI LS8J2M-T	T	8.3/85.3
S2	2260002740	S.SWI LS8J2M-T	T	9.8/70.1
S3	2260002740	S.SWI LS8J2M-T	T	8.3/54.7
S4	2260002740	S.SWI LS8J2M-T	T	8.3/39.3
S11	2260002740	S.SWI LS8J2M-T	T	35.7/70.8
S14	2260002740	S.SWI LS8J2M-T	T	100.3/81.4
S15	2260002740	S.SWI LS8J2M-T	T	100.3/69.4
S16	2260002740	S.SWI LS8J2M-T	T	100.3/57.4
S17	2260002740	S.SWI LS8J2M-T	T	100.3/45.4
S18	2260002740	S.SWI LS8J2M-T	T	100.3/33.4
S19	2260002740	S.SWI LS8J2M-T	T	100.3/21.4
S20	2260002740	S.SWI LS8J2M-T	T	100.3/9.4
S21	2260002740	S.SWI LS8J2M-T	T	55.5/70.8
S22	2260002740	S.SWI LS8J2M-T	T	75.3/70.8

Eqv.= This component is equivalent to the REF No. component listed above, and may be substituted on parts orders and repairs.

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

[SW-B UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
J1	6510020531	S.CON 52808-1871	B	117.0/18.5
S1	2260002740	S.SWI LS8J2M-T	T	22.1/22.8
S2	2260002740	S.SWI LS8J2M-T	T	44.1/22.8
S3	2260002740	S.SWI LS8J2M-T	T	66.1/22.8
S4	2260002740	S.SWI LS8J2M-T	T	88.1/22.8
S5	2260002740	S.SWI LS8J2M-T	T	110.1/22.8
S6	2260002740	S.SWI LS8J2M-T	T	132.1/22.8
S7	2260002740	S.SWI LS8J2M-T	T	154.1/22.8
S8	2260002740	S.SWI LS8J2M-T	T	22.1/13.9
S9	2260002740	S.SWI LS8J2M-T	T	44.1/13.9
S10	2260002740	S.SWI LS8J2M-T	T	66.1/13.9
S11	2260002740	S.SWI LS8J2M-T	T	88.1/13.9
S12	2260002740	S.SWI LS8J2M-T	T	110.1/13.9
S13	2260002740	S.SWI LS8J2M-T	T	132.1/13.9
S14	2260002740	S.SWI LS8J2M-T	T	154.1/13.9
S15	2260002740	S.SWI LS8J2M-T	T	146.3/2.3
S16	2260002740	S.SWI LS8J2M-T	T	158.1/2.3
S17	2260002740	S.SWI LS8J2M-T	T	175.6/4.5

[JACK UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
L4	6180003920	COI AL03 TB 101K <TRIA>		
L5	6180003920	COI AL03 TB 101K <TRIA>		
L6	6180003920	COI AL03 TB 101K <TRIA>		
L101	6180003920	COI AL03 TB 101K <TRIA>		
L102	6180003920	COI AL03 TB 101K <TRIA>		
L103	6180003920	COI AL03 TB 101K <TRIA>		
R1	7030006240	S.RES ERJ12YJ181U (180)	B	15.0/121.8
R2	7030006240	S.RES ERJ12YJ181U (180)	B	16.0/112.1
C1	4030006880	S.CER C1608 JB 1H 472K-T	B	22.9/28.7
C2	4030006880	S.CER C1608 JB 1H 472K-T	B	3.3/36.9
C101	4030006880	S.CER C1608 JB 1H 472K-T	T	3.0/19.1
C102	4030006880	S.CER C1608 JB 1H 472K-T	T	6.9/19.1
J1	6510020711	S.CON 52793-1070(1090)	T	9.2/42.6
J2	6510027890	CON 01J0370-00		
J102	6510023900	CON LGR4619-7000		
EP1	6910014690	S.BEA MPZ1608S221A-T	B	27.5/30.8
EP2	6910014690	S.BEA MPZ1608S221A-T	B	4.4/28.4
EP3	6910014690	S.BEA MPZ1608S221A-T	B	4.1/24.3
EP101	6910012350	S.BEA MMZ1608Y 102BT	T	3.0/16.4
EP102	6910012350	S.BEA MMZ1608Y 102BT	T	6.9/16.4

Eqv.= This component is equivalent to the REF No. component listed above, and may be substituted on parts orders and repairs.

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

[MIC UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
L1	6200003261	S.COI NLV32T-101J	T	51.1/76.5
L2	6200003261	S.COI NLV32T-101J	T	54.5/77.8
C1	4030006880	S.CER C1608 JB 1H 472K-T	B	13.8/121.8
C2	4030006880	S.CER C1608 JB 1H 472K-T	B	2.9/5.6
C3	4030006880	S.CER C1608 JB 1H 472K-T	B	14.3/12.5
C4	4030007130	S.CER C1608 CH 1H 101J-T	B	10.1/11.3
C5	4030006880	S.CER C1608 JB 1H 472K-T	B	1.6/5.6
C6	4030006880	S.CER C1608 JB 1H 472K-T	B	9.6/0.9
C7	4030006880	S.CER C1608 JB 1H 472K-T	B	7.8/10.2
C8	4030007090	S.CER C1608 CH 1H 470J-T	B	9.4/13.9
J1	6510000191	CON FM214-8SS(P)-1		
J2	6510019971	S.CON 52808-1071	B	12.8/20.2
EP2	6910012350	S.BEA MMZ1608Y 102BT	B	4.2/6.3
EP3	6910012350	S.BEA MMZ1608Y 102BT	B	7.6/2.1
EP4	6910012350	S.BEA MMZ1608Y 102BT	B	10.5/16.0
EP5	6910012350	S.BEA MMZ1608Y 102BT	B	2.7/8.2
EP6	6910012350	S.BEA MMZ1608Y 102BT	B	7.7/7.8
EP7	6910015130	S.BEA MMZ1608D 301BT	B	17.3/10.8
EP8	6910015130	S.BEA MMZ1608D 301BT	B	16.0/10.8
EP9	6910015130	S.BEA MMZ1608D 301BT	B	10.3/7.0
EP10	6910015130	S.BEA MMZ1608D 301BT	B	11.6/9.2
EP11	6910012350	S.BEA MMZ1608Y 102BT	B	5.4/14.1
EP12	6910014690	S.BEA MPZ1608S221A-T	B	15.3/15.0

[USB UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
R1	7030003380	S.RES ERJ3GEYJ 331 V (330)	B	5.8/30.9
R2	7030003380	S.RES ERJ3GEYJ 331 V (330)	B	6.1/21.8
R3	7030003380	S.RES ERJ3GEYJ 331 V (330)	B	16.0/101.9
R4	7030003450	S.RES ERJ3GEYJ 122 V (1.2K)	B	16.2/121.8
R5	7030003580	S.RES ERJ3GEYJ 153 V (15K)	B	47.4/30.6
R6	7030003520	S.RES ERJ3GEYJ 472 V (4.7K)	B	15.4/30.3
R7	7030003480	S.RES ERJ3GEYJ 222 V (2.2K)	B	22.2/21.3
R103	7030003860	S.RES ERJ3GE JPW V	B	12.8/23.5
R104	7030003860	S.RES ERJ3GE JPW V	B	11.6/23.5
R113	7030003860	S.RES ERJ3GE JPW V	B	11.6/12.3
R114	7030003860	S.RES ERJ3GE JPW V	B	12.8/12.3
C1	4030011600	S.CER C1608 JB 1E 104K-T	B	8.6/16.2
J106	6510019971	S.CON 52808-1071	B	27.3/22.5
J107	6510026080	CON XM7A-0441		
J108	6510026080	CON XM7A-0441		
J109	6510022031	S.CON B10B-ZR-SM4-TF(LF)(SN)	B	2.6/27.9
DS8	5040002930	S.LED SML-512MW T86	T	12.5/36.1
DS9	5040002930	S.LED SML-512MW T86	T	39.2/36.1
DS10	5040002930	S.LED SML-512MW T86	T	58.7/36.1
DS11	5040002990	S.LED SML-512UWWT86	T	12.5/23.9
S1	2260002740	S.SWI LS8J2M-T	T	58.9/31.5
S2	2260002740	S.SWI LS8J2M-T	T	38.9/31.5
S3	2260002740	S.SWI LS8J2M-T	T	12.2/31.5
EP102	6910014730	S.BEA MPZ2012S331A-T	B	10.0/23.5
EP105	6910014730	S.BEA MPZ2012S331A-T	B	14.4/23.5
EP112	6910014730	S.BEA MPZ2012S331A-T	B	10.1/12.2
EP115	6910014730	S.BEA MPZ2012S331A-T	B	14.4/12.3

Eqv.= This component is equivalent to the REF No. component listed above, and may be substituted on parts orders and repairs.

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

[TENKEY UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
IC1	1130011510	S.IC BU2099FV-E2	T	65.7/81.8
R1	7030003480	S.RES ERJ3GEYJ 222 V (2.2K)	T	124.0/2.9
R2	7030003520	S.RES ERJ3GEYJ 472 V (4.7K)	T	12.6/12.5
R3	7030003580	S.RES ERJ3GEYJ 153 V (15K)	T	11.4/12.5
R4	7030003540	S.RES ERJ3GEYJ 682 V (6.8K)	T	60.0/2.9
R5	7030003480	S.RES ERJ3GEYJ 222 V (2.2K)	B	31.6/121.8
R6	7030003520	S.RES ERJ3GEYJ 472 V (4.7K)	B	32.8/112.3
R7	7030003580	S.RES ERJ3GEYJ 153 V (15K)	B	32.8/102.8
R8	7030003540	S.RES ERJ3GEYJ 682 V (6.8K)	B	30.4/121.8
R9	7030003480	S.RES ERJ3GEYJ 222 V (2.2K)	B	53.1/121.8
R10	7030003520	S.RES ERJ3GEYJ 472 V (4.7K)	B	54.3/112.3
R11	7030003580	S.RES ERJ3GEYJ 153 V (15K)	B	54.3/102.8
R12	7030003540	S.RES ERJ3GEYJ 682 V (6.8K)	B	51.9/121.8
R51	7030003540	S.RES ERJ3GEYJ 682 V (6.8K)	B	85.8/117.8
R52	7030003420	S.RES ERJ3GEYJ 681 V (680)	B	88.3/116.8
R53	7030003480	S.RES ERJ3GEYJ 222 V (2.2K)	B	86.5/112.0
R54	7030003520	S.RES ERJ3GEYJ 472 V (4.7K)	B	86.2/92.3
R55	7030003420	S.RES ERJ3GEYJ 681 V (680)	B	91.1/95.1
R56	7030003420	S.RES ERJ3GEYJ 681 V (680)	B	91.1/85.6
R57	7030003580	S.RES ERJ3GEYJ 153 V (15K)	B	86.2/82.8
R58	7030003540	S.RES ERJ3GEYJ 682 V (6.8K)	B	84.6/73.4
R59	7030003420	S.RES ERJ3GEYJ 681 V (680)	B	91.1/76.1
R60	7030003480	S.RES ERJ3GEYJ 222 V (2.2K)	B	84.6/60.1
R61	7030003520	S.RES ERJ3GEYJ 472 V (4.7K)	B	84.6/47.4
R62	7030003580	S.RES ERJ3GEYJ 153 V (15K)	B	84.6/41.8
R63	7030003540	S.RES ERJ3GEYJ 682 V (6.8K)	B	85.7/24.0
R65	7030003480	S.RES ERJ3GEYJ 222 V (2.2K)	B	85.7/10.0
R66	7030003520	S.RES ERJ3GEYJ 472 V (4.7K)	B	75.4/6.6
C1	4030011600	S.CER C1608 JB 1E 104K-T	T	10.2/12.5
C2	4030011600	S.CER C1608 JB 1E 104K-T	B	32.8/121.8
C3	4030011600	S.CER C1608 JB 1E 104K-T	B	54.4/121.8
C4	4030011600	S.CER C1608 JB 1E 104K-T	B	25.4/109.0
C51	4030011600	S.CER C1608 JB 1E 104K-T	B	87.0/10.0
C52	4030011600	S.CER C1608 JB 1E 104K-T	B	85.9/60.1
C53	4030011600	S.CER C1608 JB 1E 104K-T	B	87.3/119.3
J1	6510022472	S.CON 40FLT-SM2-TB(LF)(SN)(M)	B	9.0/93.9
J4	6510019971	S.CON 52808-1071	B	98.0/101.0
J5	6510019971	S.CON 52808-1071	B	6.5/120.5
J7	6510018971	S.CON B4B-PH-SM4-TB(LF)(SN)	B	93.7/53.6
J8	6510019971	S.CON 52808-1071	B	97.7/12.5
DS51	5040002930	S.LED SML-512MW T86	T	91.1/115.6
DS52	5040002930	S.LED SML-512MW T86	T	91.1/95.1
DS53	5040002930	S.LED SML-512MW T86	T	91.1/85.6
DS54	5040002930	S.LED SML-512MW T86	T	91.1/76.1
S1	2260002740	S.SWI LS8J2M-T	T	12.0/86.7
S2	2260002740	S.SWI LS8J2M-T	T	12.0/78.7
S3	2260002740	S.SWI LS8J2M-T	T	55.5/78.7
S4	2260002740	S.SWI LS8J2M-T	T	34.0/86.7
S5	2260002740	S.SWI LS8J2M-T	T	34.0/78.7
S6	2260002740	S.SWI LS8J2M-T	T	55.5/86.7
S7	2260002740	S.SWI LS8J2M-T	T	12.0/66.3
S8	2260002740	S.SWI LS8J2M-T	T	34.0/67.9
S11	2260002740	S.SWI LS8J2M-T	T	12.5/126.6
S12	2260002740	S.SWI LS8J2M-T	T	12.5/117.1
S13	2260002740	S.SWI LS8J2M-T	T	12.5/107.6
S14	2260002740	S.SWI LS8J2M-T	T	12.5/98.1
S15	2260002740	S.SWI LS8J2M-T	T	34.0/126.6
S16	2260002740	S.SWI LS8J2M-T	T	34.0/117.1
S17	2260002740	S.SWI LS8J2M-T	T	34.0/107.6
S18	2260002740	S.SWI LS8J2M-T	T	34.0/98.1
S19	2260002740	S.SWI LS8J2M-T	T	55.5/126.6
S20	2260002740	S.SWI LS8J2M-T	T	55.5/117.1
S21	2260002740	S.SWI LS8J2M-T	T	55.5/107.6
S22	2260002740	S.SWI LS8J2M-T	T	55.5/98.1
S23	2260002740	S.SWI LS8J2M-T	T	55.5/67.9
S24	2260002740	S.SWI LS8J2M-T	T	60.4/56.5
S51	2260002740	S.SWI LS8J2M-T	T	90.8/122.7
S52	2260002740	S.SWI LS8J2M-T	T	90.8/111.7
S53	2260002740	S.SWI LS8J2M-T	T	90.8/91.2
S54	2260002740	S.SWI LS8J2M-T	T	90.8/81.7
S55	2260002740	S.SWI LS8J2M-T	T	90.8/72.2
S56	2260002740	S.SWI LS8J2M-T	T	90.8/55.7
S57	2260002740	S.SWI LS8J2M-T	T	90.8/46.2
S58	2260002740	S.SWI LS8J2M-T	T	90.8/36.7
S59	2260002740	S.SWI LS8J2M-T	T	90.8/22.8
S60	2260002740	S.SWI LS8J2M-T	T	90.8/4.4
S61	2260002740	S.SWI LS8J2M-T	T	69.7/4.2

[PBT UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
R1	7210003290	VAR RV-321 (RK0972210C1K 10KB/10KB)		
R2	7030003520	S.RES ERJ3GEYJ 472 V (4.7K)	T	7.9/7.5
R3	7030003520	S.RES ERJ3GEYJ 472 V (4.7K)	T	20.0/2.9
C1	4030006880	S.CER C1608 JB 1H 472K-T	T	7.9/4.9
C2	4030006880	S.CER C1608 JB 1H 472K-T	T	13.8/12.5
J1	6510019971	S.CON 52808-1071	T	7.0/23.0
S1	2250000410	ENC TP90D96E20-30F-2178-1		

Eqv.= This component is equivalent to the REF No. component listed above, and may be substituted on parts orders and repairs.

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

[PITCH UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
R1	7210003170	VAR RV-318 (RK09L1120CON)		
R2	7030003520	S.RES ERJ3GEYJ 472 V (4.7K)	T	100.0/2.9
C1	4030006880	S.CER C1608 JB 1H 472K-T	T	42.6/80.3
J1	6510019971	S.CON 52808-1071	T	4.1/7.5

[LED UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
R2	7030003420	S.RES ERJ3GEYJ 681 V (680)	T	63.0/71.0
R3	7030003460	S.RES ERJ3GEYJ 152 V (1.5K)	T	64.3/71.0
R4	7030003400	S.RES ERJ3GEYJ 471 V (470)	T	65.6/71.0
J1	6510020711	S.CON 52793-1070(1090)	T	24.0/12.3
DS1	5040003001	S.LED SML-A12UT T86J	T	124.0/1.3
DS2	5040002961	S.LED SML-A12MT T86J	T	100.0/1.3
DS3	5040003011	S.LED SML-A12WT T86J	T	20.0/1.3
DS4	5040003490	S.LED SMLA13WBDW12T	T	60.0/1.3

Eqv.= This component is equivalent to the REF No. component listed above, and may be substituted on parts orders and repairs.

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

[PA200W-A UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
IC2	1180001541	S.IC TA78L08F(TE12LF)	T	54.0/86.9
Q1	1520000860	S.TRA 2SB1302S-TD-E	T	78.5/75.3
Q2	1590000680	S.TRA DTC114EUA T106	T	77.8/71.2
Q301	1590003840	FET MRF148A <MSK>		
Q401	1560001761	FET STAC2942B-12 (RANK-C/D)		
D1	1730000561	S.ZEN RD2.7M-T2B-A B1	T	69.8/58.7
D402	1750000271	S.DIO 1SS301(TE85LF)	T	11.8/24.4
L2	6200005011	S.COI NLV25T-100J	T	54.5/77.8
L6	6200005011	S.COI NLV25T-100J	T	14.7/25.5
L7	6200010881	S.COI CDRH124NP-330MCI	T	77.3/11.0
L101	6200005131	S.COI NLC453232T-101K-PF	T	5.6/59.6
L102	6200007220	S.COI EXCL4532U1	T	6.0/38.4
L201	6180004000	COI AL04 TB 820K <TRIA>		
L202	6140004350	COI LR-475		
L301	6200003261	S.COI NLV32T-101J	T	46.1/36.4
L303	6200001831	S.COI NLV32T-100J	T	87.0/26.2
L304	2040000490	COI EXC-ELDR25C		
L305	2040000490	COI EXC-ELDR25C		
L306	6140004340	COI LR-474		
L307	6200001831	S.COI NLV32T-100J	T	75.7/100.2
L401	6200003261	S.COI NLV32T-101J	T	100.4/98.3
L402	6200003261	S.COI NLV32T-101J	T	100.1/35.8
L403	6140002590	COI LR-296 (TR18X8X8 D12A)		
L404	6140000720	COI LR-95		
L501	6140002030	COI LR-230 (SK-10M-15Y 120)		
R3	7510001740	THE DTN-C103F3H-STS-40		
R7	7030007210	S.RES ERA3YEB 102V (1K)	T	73.4/71.0
R101	7030003370	S.RES ERJ3GEYJ 271 V (270)	T	16.4/39.4
R102	7030003220	S.RES ERJ3GEYJ 150 V (15)	B	20.2/39.4
R103	7030003370	S.RES ERJ3GEYJ 271 V (270)	B	16.7/42.9
R104	7030003360	S.RES ERJ3GEYJ 221 V (220)	B	20.3/42.9
R105	7030003430	S.RES ERJ3GEYJ 821 V (820)	B	15.1/44.5
R106	7030003480	S.RES ERJ3GEYJ 222 V (2.2K)	B	21.9/44.5
R107	7030003440	S.RES ERJ3GEYJ 102 V (1K)	T	12.4/45.8
R108	7030003200	S.RES ERJ3GEYJ 100 V (10)	T	24.1/45.8
R110	7030000230	S.RES MCR10EZJH 56 (560)	T	24.1/47.1
R111	7030003420	S.RES ERJ3GEYJ 681 V (680)	T	12.4/48.4
R112	7030003510	S.RES ERJ3GEYJ 392 V (3.9K)	T	24.1/48.4
R113	7030003500	S.RES ERJ3GEYJ 332 V (3.3K)	B	14.5/51.4
R115	7030003520	S.RES ERJ3GEYJ 472 V (4.7K)	T	12.4/49.7
R118	7030003550	S.RES ERJ3GEYJ 822 V (8.2K)	B	17.5/40.5
R301	7310005210	TRI VM5CK-PVB 20K		
R302	7030008180	S.RES ERJ12YJ331U (330)	B	83.4/55.9
R305	7030003530	S.RES ERJ3GEYJ 562 V (5.6K)	B	81.7/57.8
R306	7030000180	S.RES MCR10EZJH 22 (220)	T	85.2/60.5
R307	7070000830	RES ERG3SJ 101 (100)		
R309	7030010570	S.RES ERJ1TYJ 4R7U (4.7)	T	88.6/59.8
R310	7310005200	TRI VM5CK-PVB 2K		
R312	7070000830	RES ERG3SJ 101 (100)		
R401	7030010960	S.RES ERJ1TYJ 120U (12)	T	17.5/93.4
R402	7030010960	S.RES ERJ1TYJ 120U (12)	T	16.2/93.4
R403	7030010960	S.RES ERJ1TYJ 120U (12)	T	14.9/93.4
R404	7030010960	S.RES ERJ1TYJ 120U (12)	T	13.6/93.4
R405	7030010960	S.RES ERJ1TYJ 120U (12)	T	12.3/93.4
R406	7030010960	S.RES ERJ1TYJ 120U (12)	T	11.0/93.4
R407	7310005230	TRI VM5CK-PVB 10K		
R408	7030000420	S.RES MCR10EZJH 2.2K (222)	T	8.4/93.4
R409	7030000420	S.RES MCR10EZJH 2.2K (222)	B	36.6/86.7
R410	7310005230	TRI VM5CK-PVB 10K		
R411	7030010520	S.RES ERJ1TYJ 101U (100)	B	33.6/86.7
R412	7030010520	S.RES ERJ1TYJ 101U (100)	B	32.0/86.7
R413	7030010520	S.RES ERJ1TYJ 101U (100)	B	33.2/93.0
R414	7030010520	S.RES ERJ1TYJ 101U (100)	B	36.9/92.2
R416	7070000890	RES ERG3SJ 150 (15)		
R418	7070001190	RES ERG3SJ180 (18)		
R420	7070000890	RES ERG3SJ 150 (15)		
R422	7070001190	RES ERG3SJ180 (18)		
R423	7030003460	S.RES ERJ3GEYJ 152 V (1.5K)	B	35.7/98.5
R424	7030003460	S.RES ERJ3GEYJ 152 V (1.5K)	B	51.2/98.5
R425	7310005200	TRI VM5CK-PVB 2K		
R426	7310005200	TRI VM5CK-PVB 2K		
R427	7070001200	RES ERG3SJ100P (10)		
R501	7070000890	RES ERG3SJ 150 (15)		
R502	7070000890	RES ERG3SJ 150 (15)		
R511	7070000890	RES ERG3SJ 150 (15)		
R512	7070000890	RES ERG3SJ 150 (15)		
R513	7070001000	RES ERG3SJ 821 (820)		
R514	7070001000	RES ERG3SJ 821 (820)		
C2	4030006880	S.CER C1608 JB 1H 472K-T	T	45.9/82.4
C3	4030006880	S.CER C1608 JB 1H 472K-T	B	83.6/100.0
C4	4030006880	S.CER C1608 JB 1H 472K-T	T	56.0/74.7
C7	4030006900	S.CER C1608 JB 1H 103K-T	T	75.3/76.6
C8	4030006880	S.CER C1608 JB 1H 472K-T	T	56.0/81.3
C9	4030011600	S.CER C1608 JB 1E 104K-T	T	75.3/80.5
C10	4510008520	S.ELE EEE1CA470SP	T	51.8/79.9
C11	4030006900	S.CER C1608 JB 1H 103K-T	T	76.6/78.2
C12	4510008520	S.ELE EEE1CA470SP	T	76.6/81.5
C15	4030006880	S.CER C1608 JB 1H 472K-T	T	72.9/56.3
C16	4030006880	S.CER C1608 JB 1H 472K-T	T	75.3/50.5
C17	4510008550	S.ELE EEE1HA010SR	T	133.3/100.5
C112	4030017320	S.CER GRM21BB11H104KA01L (GRM40-034)	T	18.0/54.1
C113	4030011600	S.CER C1608 JB 1E 104K-T	B	16.9/50.7
C114	4030011600	S.CER C1608 JB 1E 104K-T	B	20.0/50.7
C301	4030004760	S.CER C2012 JF 1H 104Z-T	T	85.8/49.5

Eqv.= This component is equivalent to the REF No. component listed above, and may be substituted on parts orders and repairs.

[PA200W-A UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
C303	4030011600	S.CER C1608 JB 1E 104K-T	T	82.1/49.1
C305	4030004760	S.CER C2012 JF 1H 104Z-T	B	86.5/57.7
C307	4030017810	S.CER C1608 CH 1H 102J-T	T	86.5/60.5
C309	4030011600	S.CER C1608 JB 1E 104K-T	T	78.4/55.1
C311	4030018750	S.CER C3225 CH 2J 682K-T	T	86.2/55.5
C314	4510008050	ELE 63 ME 220 CZ		
C401	4030011790	S.CER GRM55RF52A684ZD01L (GRM44-1)	T	25.4/130.4
C417	4030018760	S.CER C4532 CH 2A 104K-T	T	22.7/77.7
C418	4030018760	S.CER C4532 CH 2A 104K-T	T	40.6/85.6
C419	4030018760	S.CER C4532 CH 2A 104K-T	T	19.6/78.7
C420	4030018760	S.CER C4532 CH 2A 104K-T	T	38.4/79.3
C431	4030011730	S.CER GRM31M2C2H101JV01L (GRM42-6 CH)	B	70.7/7.9
C432	4030011730	S.CER GRM31M2C2H101JV01L (GRM42-6 CH)	B	86.1/12.4
C504	4510006830	ELE 63 ME 470CZ		
C505	4510006830	ELE 63 ME 470CZ		
C513	4510008050	ELE 63 ME 220 CZ		
J1	6510028210	CON SJ050010 (TMP-J01X-V6)		
J2	6510023261	S.CON B6B-PH-SM4-TB(LF)(SN)	T	148.3/82.8
J401	6510017920	CON 1811P342		
J402	6910001040	CON IPS-1136		
W401	9030090460	WIR 23/05/070/B21/W07		
W501	9040401001	JUM 74/98/050/X98/X98		
EP501	6910011330	TER OT-009 M3		
EP502	6910011330	TER OT-009 M3		
EP503	6910000640	BEA FSRH090160RN000B (FSOH090RN)		

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

[FILTER-A UNIT]

Table with 5 columns: REF NO., PARTS NO., DESCRIPTION, M., H/V LOCATION. Contains parts data for D452-D802 and L402-L805, including descriptions like S.DIO 1SS301(TE85LF) and COI LR-471.

[FILTER-A UNIT]

Table with 5 columns: REF NO., PARTS NO., DESCRIPTION, M., H/V LOCATION. Contains parts data for C555-C814 and RL401-RL802, including descriptions like CER HM60TJ SL 150J 500V and REL AJS1311F-K2.

Eqv.= This component is equivalent to the REF No. component listed above, and may be substituted on parts orders and repairs.

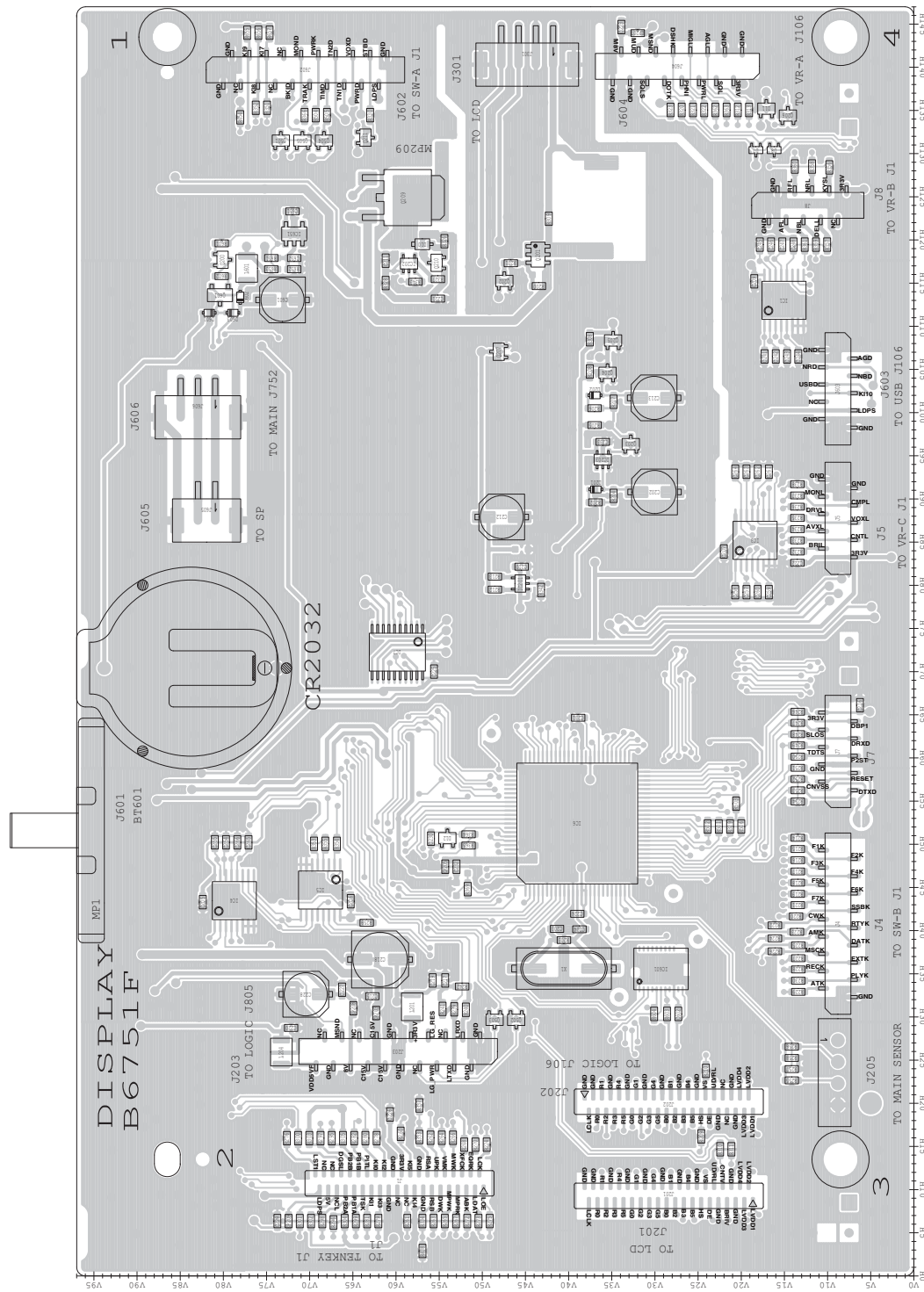
M.=Mounted side (T: Mounted on the Top side, B: Mounted on the Bottom side) S.=Surface mount

BOARD LAYOUTS

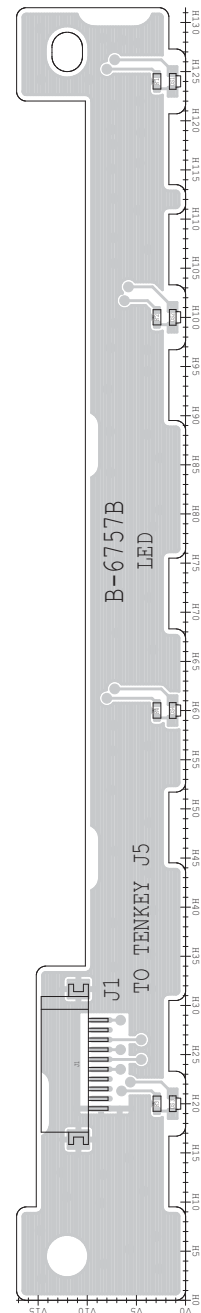
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<FRONT UNIT>

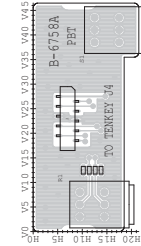
• DISPLAY BOARD (TOP VIEW)



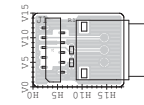
• LED BOARD (TOP VIEW)



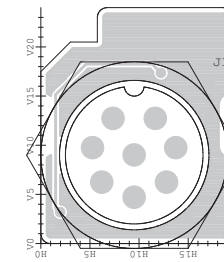
• PBT BOARD (TOP VIEW)



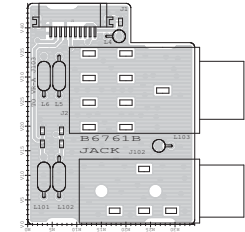
• PITCH BOARD (TOP VIEW)



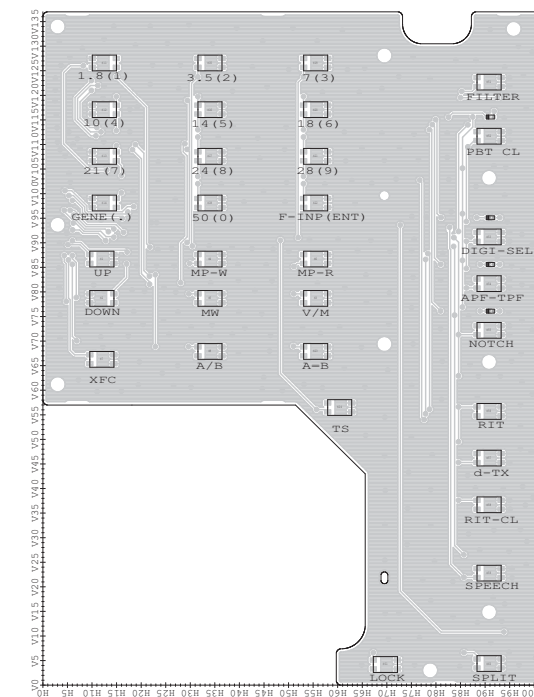
• MIC BOARD (TOP VIEW)



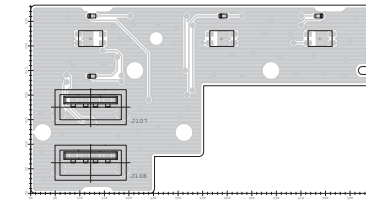
• JACK BOARD (TOP VIEW)



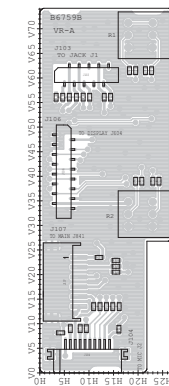
• TENKEY BOARD (TOP VIEW)



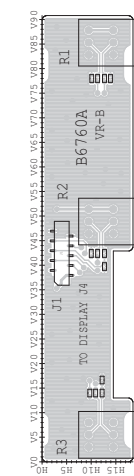
• USB BOARD (TOP VIEW)



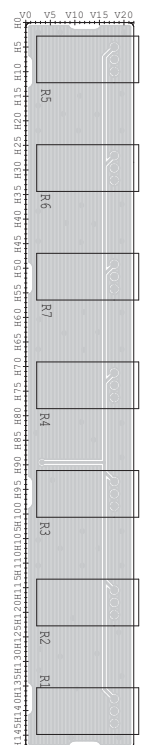
• VR-A BOARD (TOP VIEW)



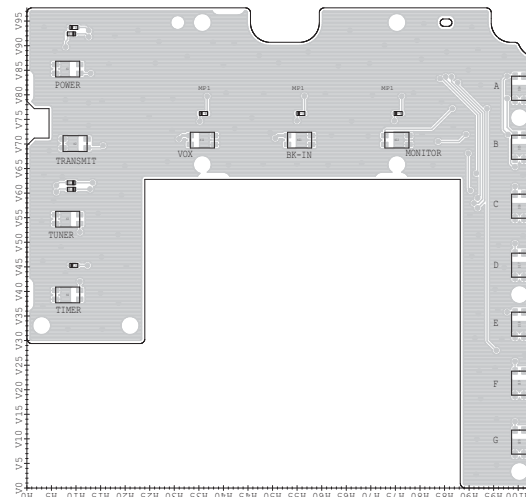
• VR-B BOARD (TOP VIEW)



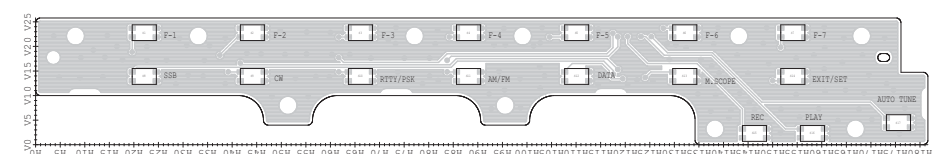
• VR-C BOARD (TOP VIEW)



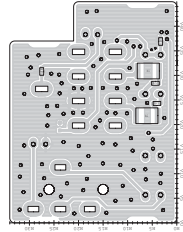
• SW-A BOARD (TOP VIEW)



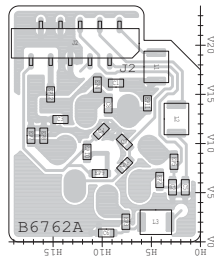
• SW-B BOARD (TOP VIEW)



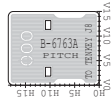
• JACK BOARD (BOTTOM VIEW)



• MIC BOARD (BOTTOM VIEW)



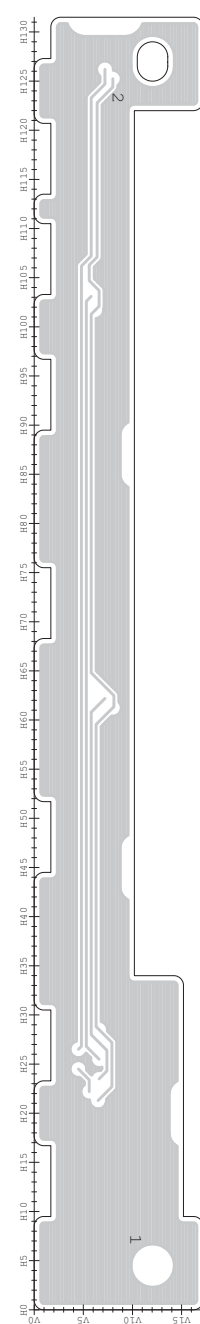
• PITCH BOARD (BOTTOM VIEW)



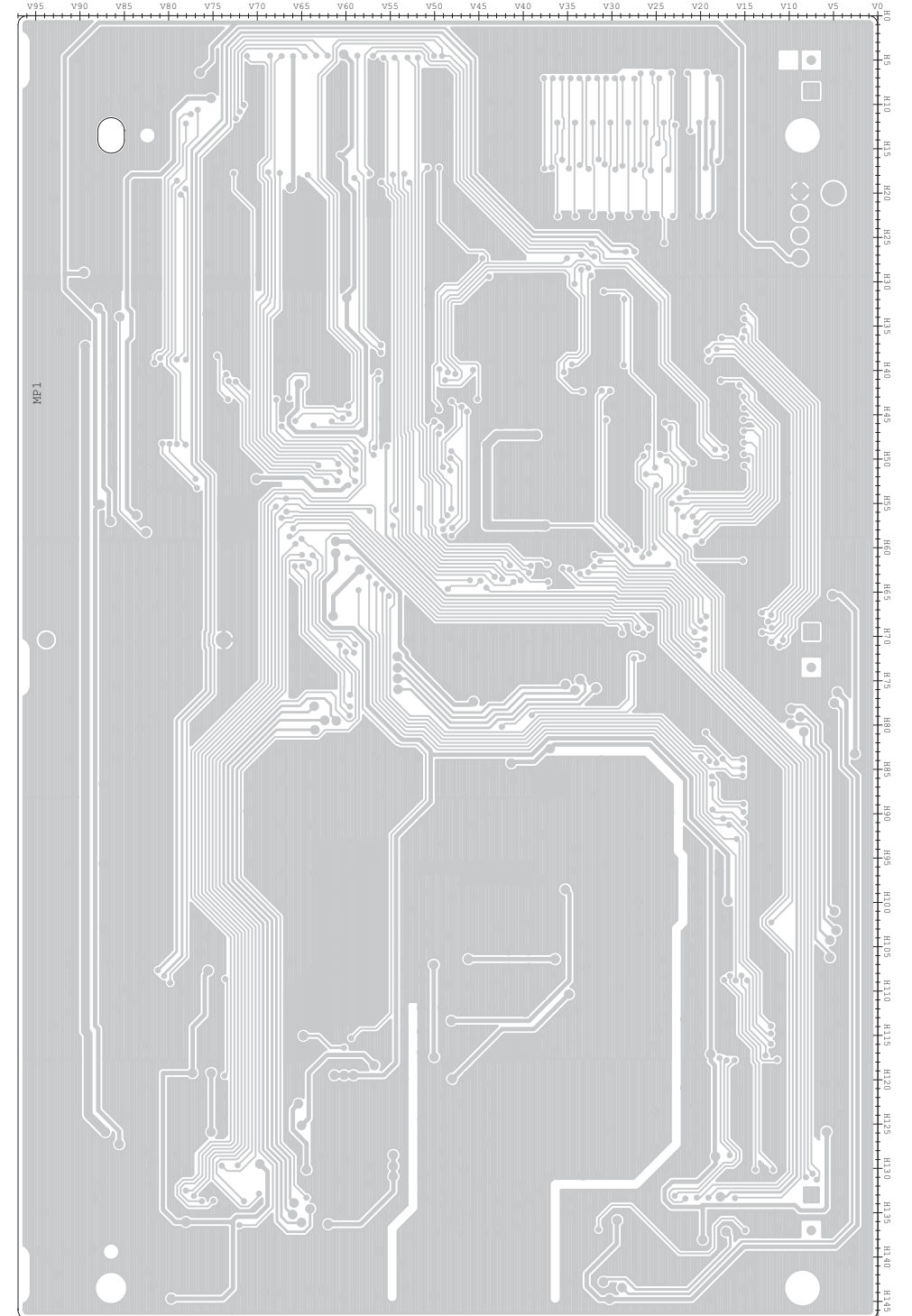
• PBT BOARD (BOTTOM VIEW)



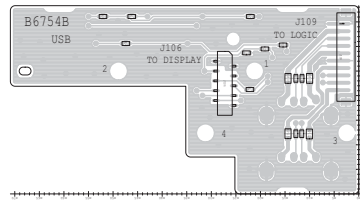
• LED BOARD (BOTTOM VIEW)



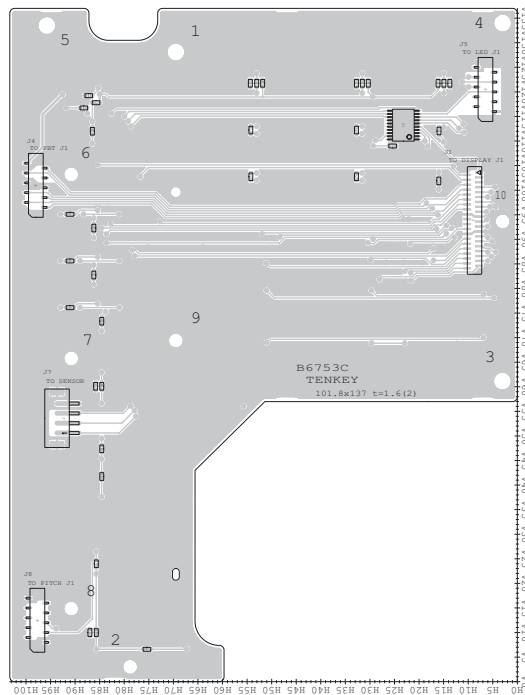
• DISPLAY BOARD (BOTTOM VIEW)



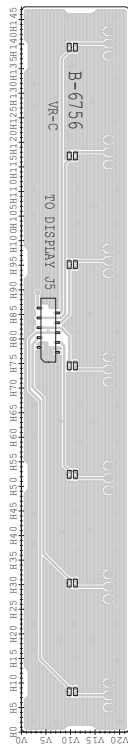
• USB BOARD (BOTTOM VIEW)



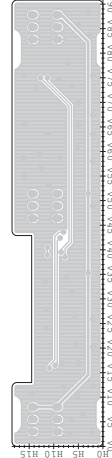
• TENKEY BOARD (BOTTOM VIEW)



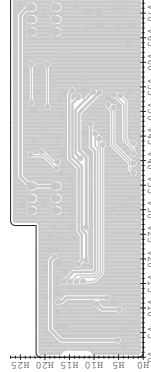
• VR-C BOARD (BOTTOM VIEW)



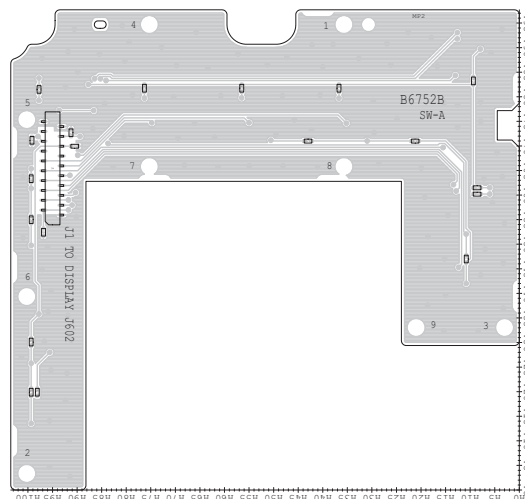
• VR-B BOARD (BOTTOM VIEW)



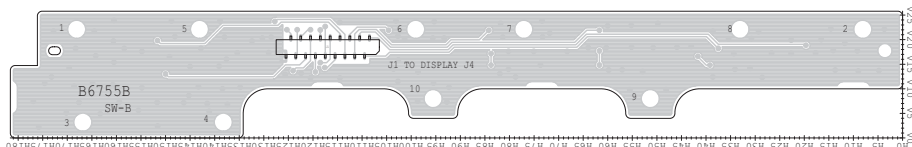
• VR-A BOARD (BOTTOM VIEW)



• SW-A BOARD (BOTTOM VIEW)

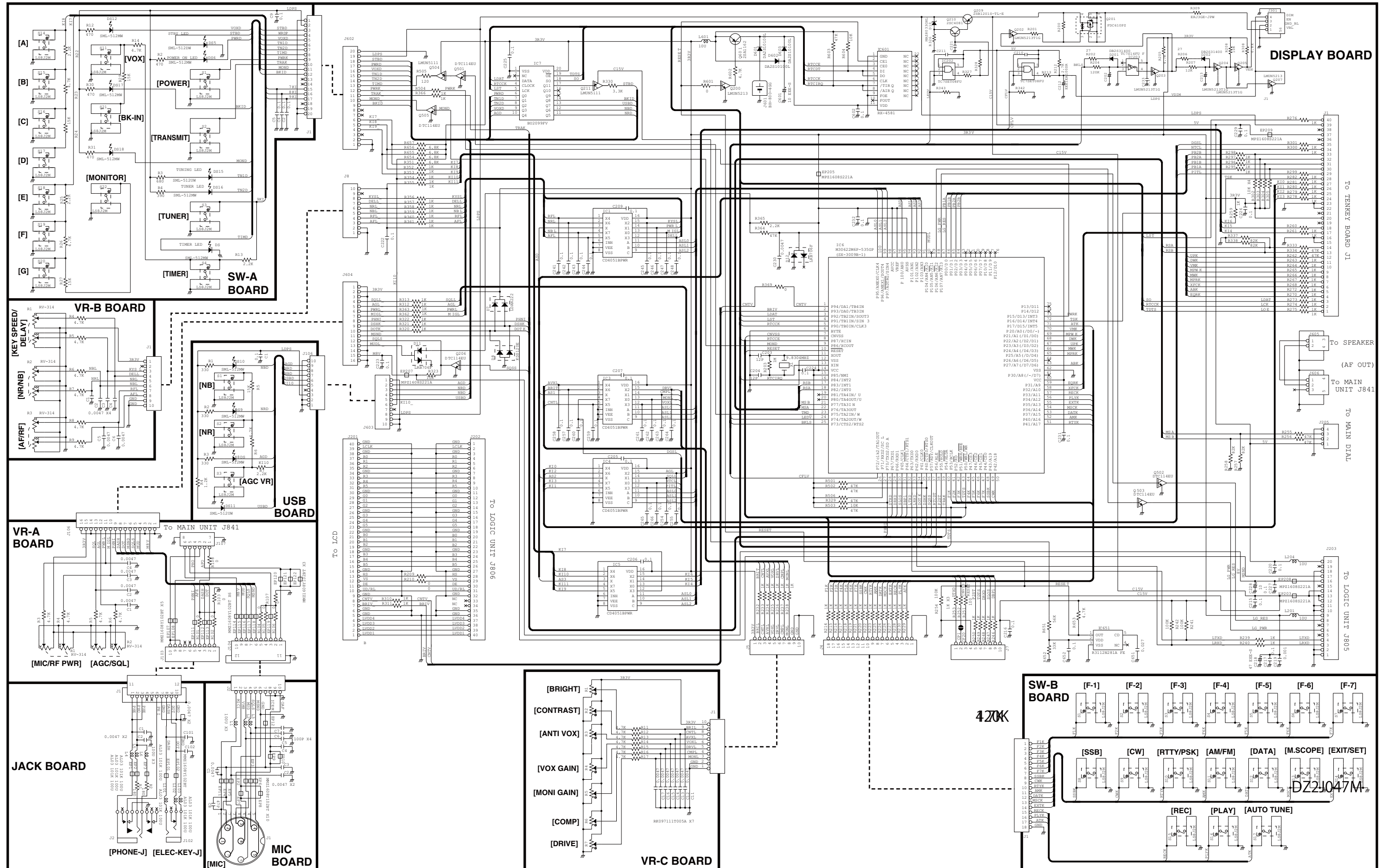


• SW-B BOARD (BOTTOM VIEW)

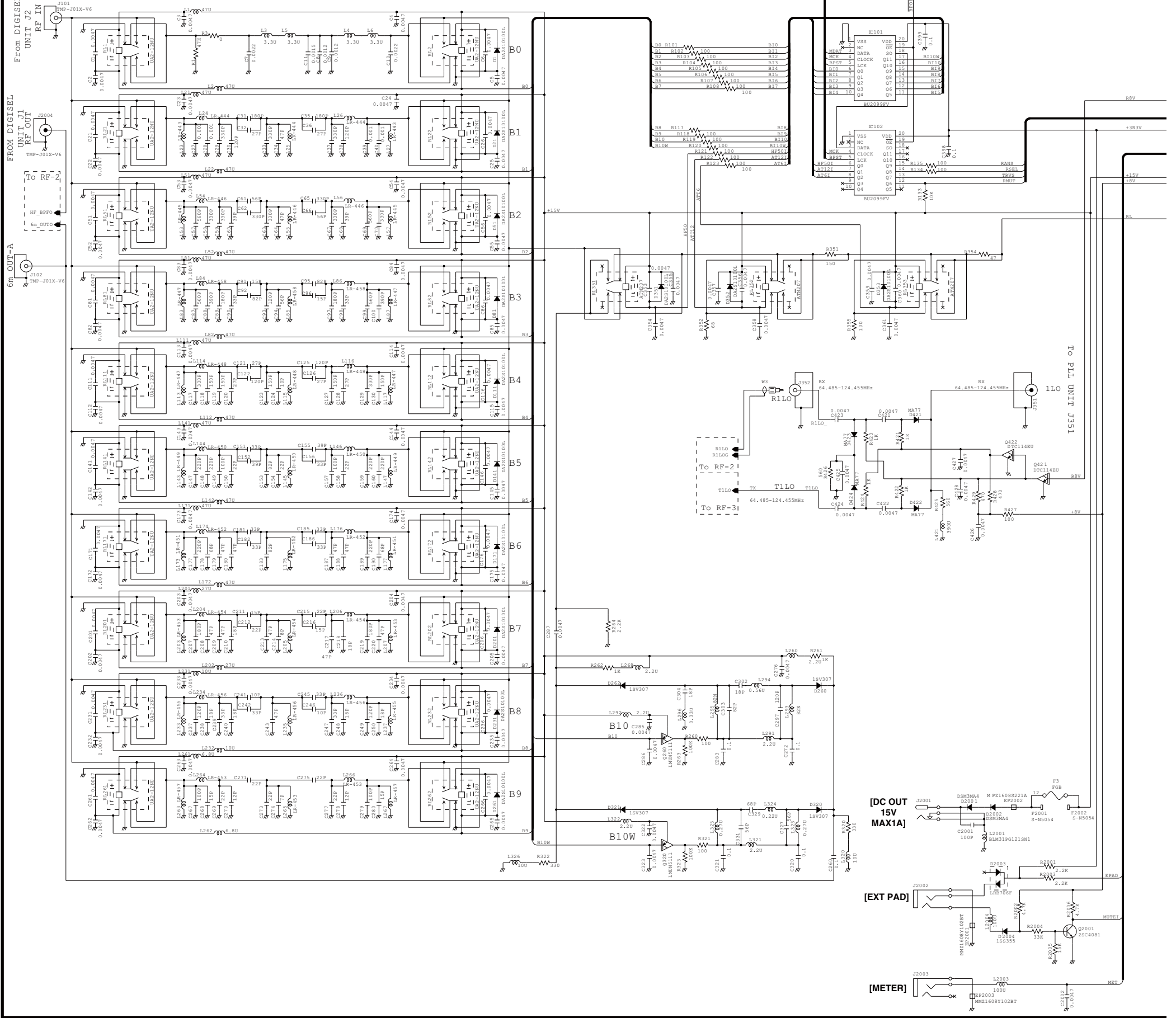


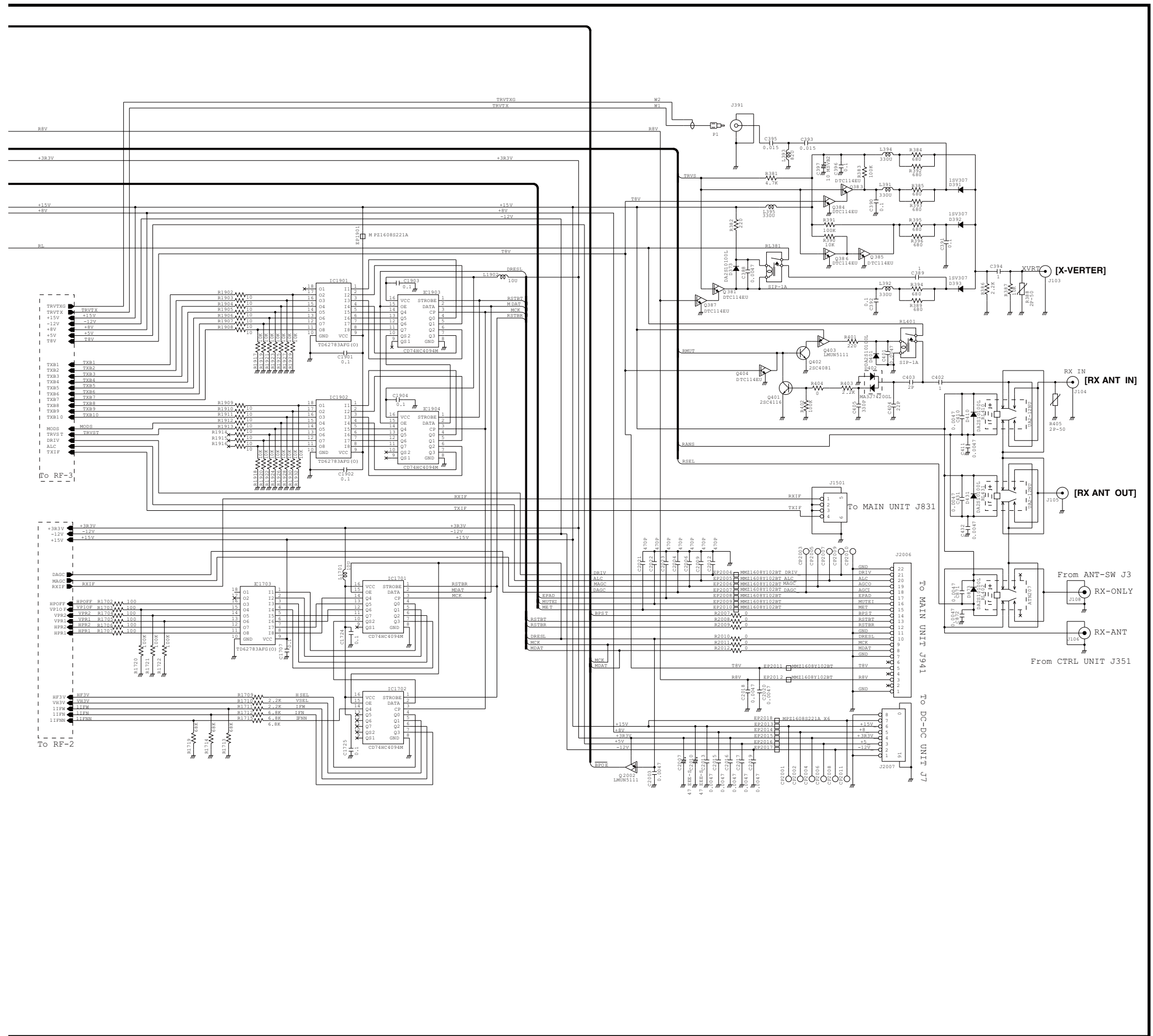
SCHEMATIC DIAGRAM

• FRONT UNIT

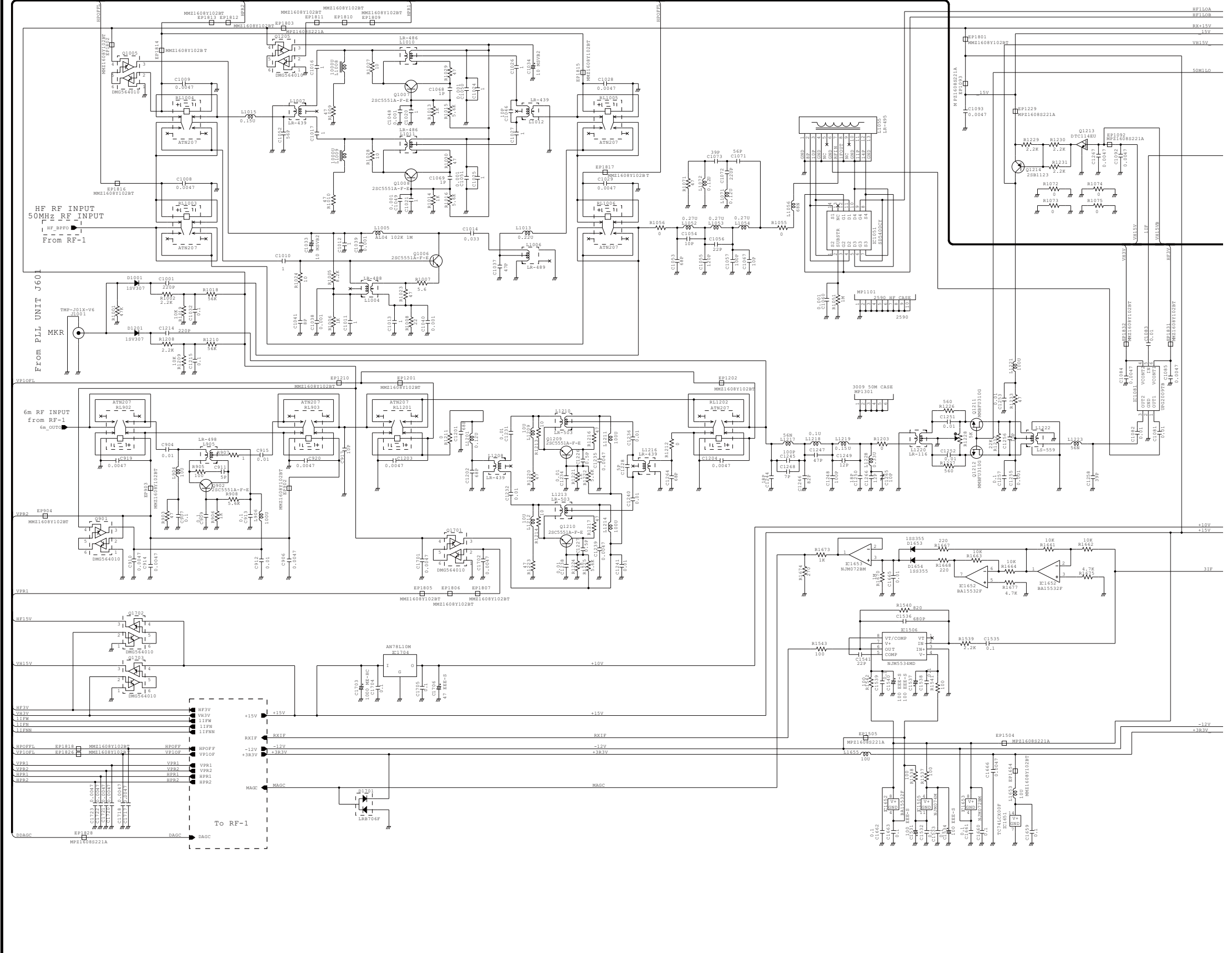


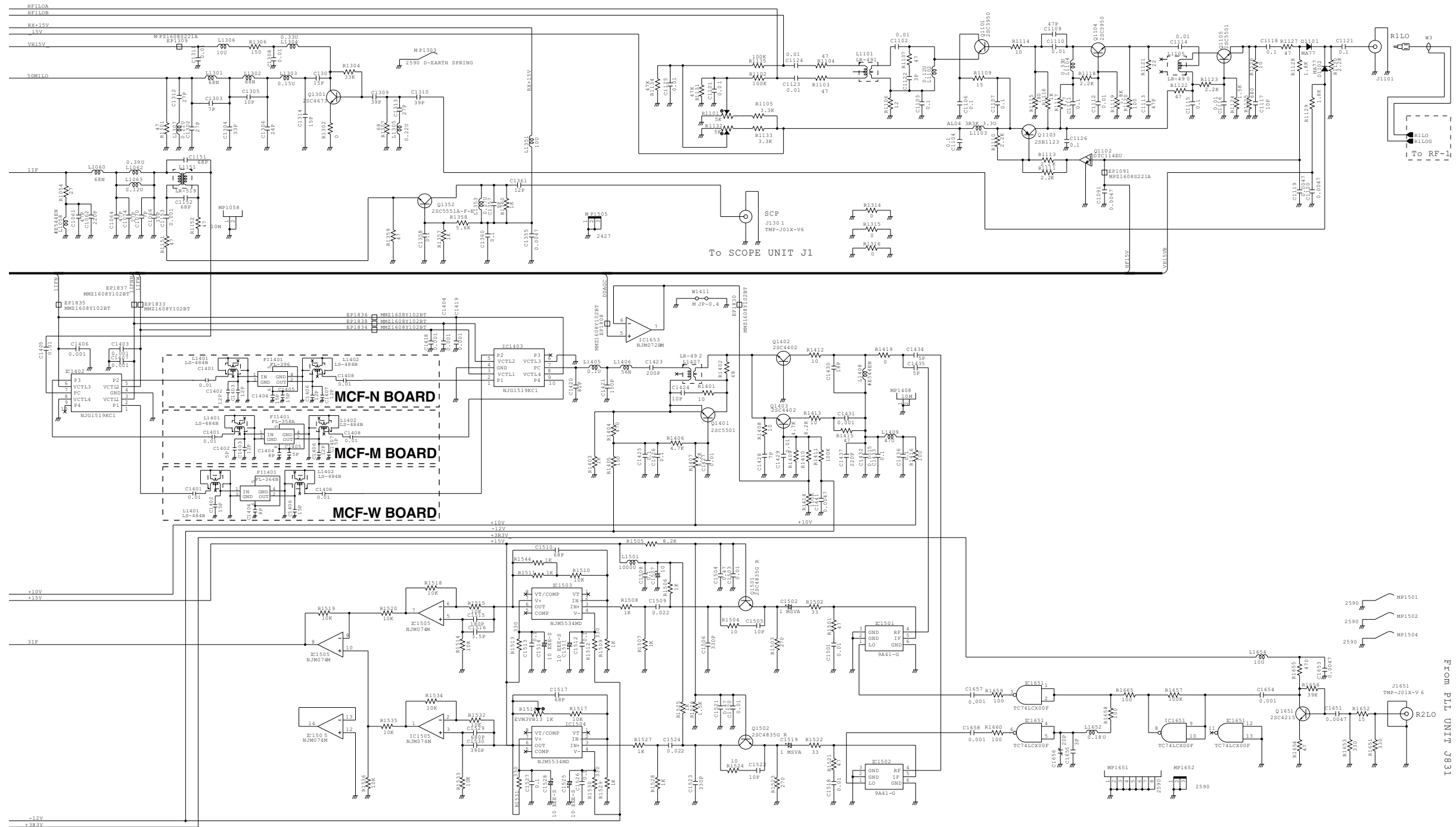
RF UNIT (RF-1)





RF UNIT (RF-2)





FROM PLL UNIT J831

RF UNIT (RF-3)

