



SERVICE MANUAL

MARINE PLOTTER

MXP-5000

S-14916XZ-C1
January 2013

Icom Inc.

INTRODUCTION

This service manual describes the latest technical information for the **MXP-5000** MARINE PLOTTER, at the time of publication.

MODEL	VERSION
MXP-5000	[USA]
	[EUR]
	[EXP]

CAUTION

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

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

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



ORDERING PARTS

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

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

<ORDER EXAMPLE>

1110003491	S.IC	TA31136FNG	MXP-5000	MAIN UNIT	5 pieces
8820001210	Screw	2438 screw	MXP-5000	Top cover	10 pieces

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

REPAIR NOTES

1. Make sure that the problem is internal before disassembling the unit.
2. **DO NOT** open the unit until the unit 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 unit is defective.
6. **READ** the instructions of the test equipment thoroughly before connecting it to the unit.

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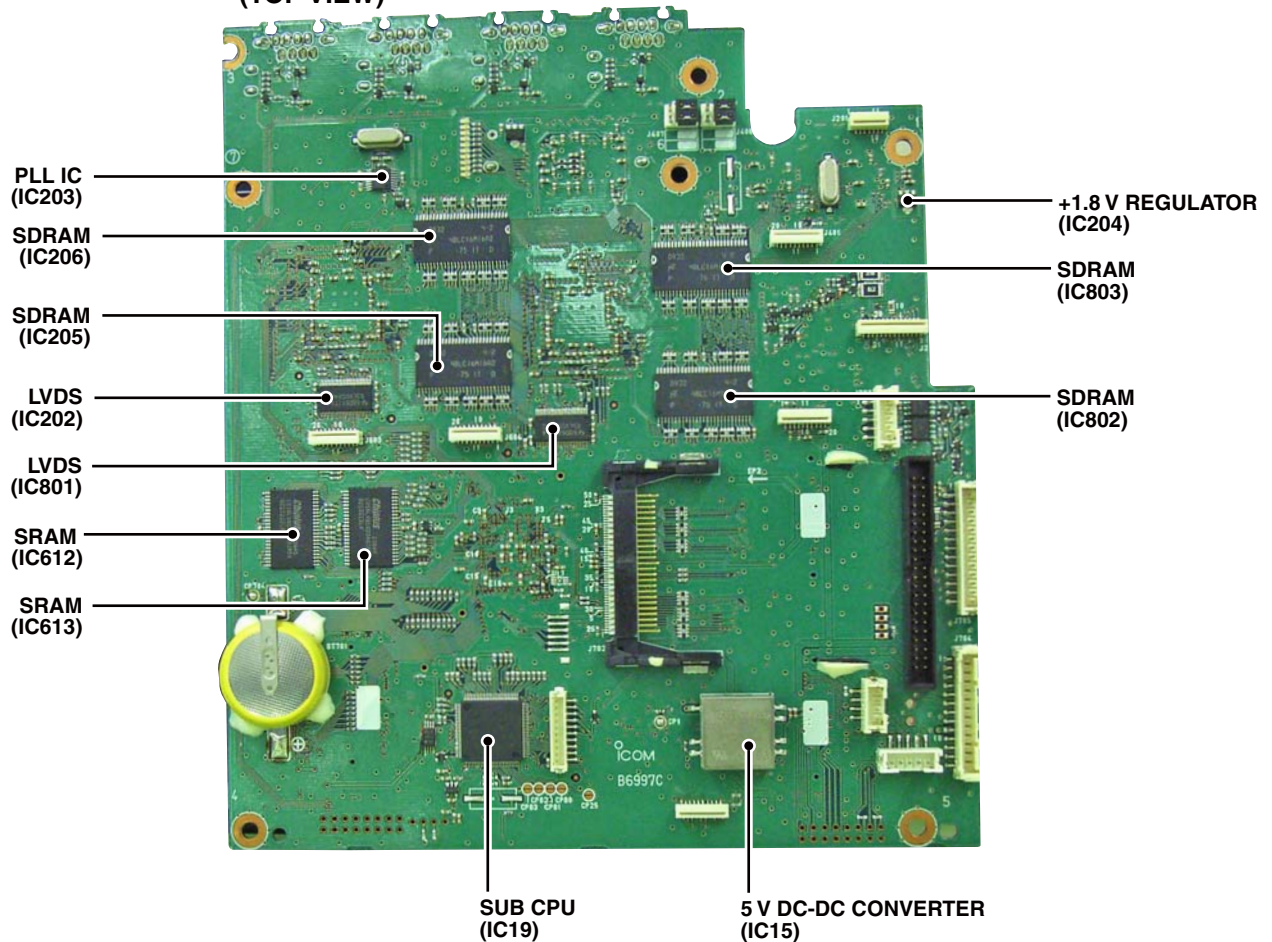
■ GENERAL

- DC input voltage : 10.8 V to 31.2 V DC
- Power consumption : Less than 4.7 A at 12.0 V (With one MXD-5000 at maximum brightness)
Less than 7.7 A at 12.0 V (With two MXD-5000s at maximum brightness)
- Usable temperature range : -20°C to +60°C; -4°F to 140°F
- Dimensions (projections not included) : 360(W)×88(H)×228.8(D) mm; 14.2(W)×3.5(H)×9.0(D) in
- Weight : Approximately 4.25 kg; 9.37 lb

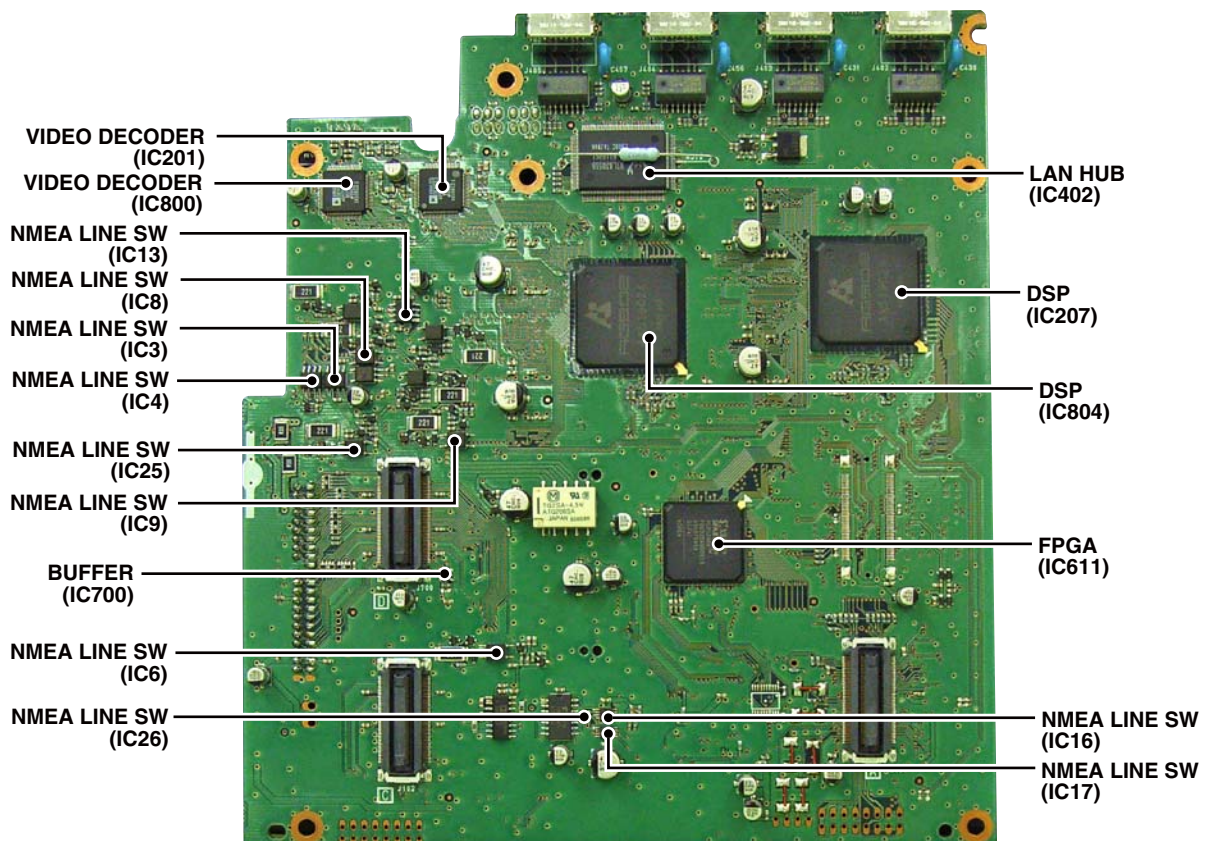
SECTION 2

INSIDE VIEWS

• MAIN UNIT (TOP VIEW)



• MAIN UNIT (BOTTOM VIEW)



SECTION 3

PARTS LIST

[MAIN UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
IC4	1120003060	S.IC ADM4853ARZ-REEL7 <FE>	T	13.5/31.5
IC7	1170000352	S.IC PC357N6J000F	B	67.3/18.4
IC9	1170000352	S.IC PC357N6J000F	B	123.4/93.8
IC10	1190002840	S.IC PC410L0NIP0F	B	144.5/109.1
IC13	1120003060	S.IC ADM4853ARZ-REEL7 <FE>	B	135.5/123.5
IC14	1120002921	S.IC ADM202EARNZ-REEL7 <FE>	B	113.5/30.5
IC15	1180003390	S.REG CC1R5-2405SR-E	T	118.0/27.5
IC16	1130007421	S.IC TC7W14FU(TE12LF)	B	89.4/31.2
IC17	1130007421	S.IC TC7W14FU(TE12LF)	B	89.4/27.0
IC18	1130005291	S.IC TC74HC14AF(ELF)	B	100.0/30.5
IC19	1130014730	S.IC M30843FWGP	T	62.0/28.0
IC20	1130016400	S.IC BR24T32FVT-WE2	T	47.5/26.5
IC21	1170000352	S.IC PC357N6J000F	B	128.5/118.6
IC22	1170000352	S.IC PC357N6J000F	B	132.5/108.2
IC23	1110007540	S.IC R3116N431A-TR-F	T	52.5/14.5
IC24	1130011930	S.IC SN74LVC1G04DCKR	B	158.1/101.9
IC25	1170000352	S.IC PC357N6J000F	B	147.0/92.3
IC26	1130006541	S.IC TC7S02FU(TE85RF)	B	94.0/30.6
IC27	1130011930	S.IC SN74LVC1G04DCKR	T	140.8/126.2
IC101	1190003160	S.IC LXES25BBB4-026	T	43.6/26.5
IC201	1130014650	S.IC ADV7180BSTZ <FE>	B	127.0/152.0
IC202	1130015350	S.IC SN65LVDS84AQDGGRRQ1	T	29.0/105.0
IC203	1130015290	S.IC ICS280GI-41LF	T	37.9/156.0
IC204	1130014770	S.IC XC6203P182PR	T	159.0/147.6
IC205	1130014630	S.IC MT48LC16M16A2P-75 IT:D <FE>	T	56.5/112.0
IC206	1130014630	S.IC MT48LC16M16A2P-75 IT:D <FE>	T	56.5/141.0
IC207	1130014670	S.IC AX51902A	B	29.0/127.0
IC208	1130011930	S.IC SN74LVC1G04DCKR	T	42.1/150.2
IC402	1130011470	S.IC RTL8305SB-LF <GMI>	B	85.0/158.0
IC501	1110002751	S.IC TA75501F(TE85RF)	B	56.4/161.5
IC502	1130012620	S.IC SN74AHC1G86DCKR	T	131.4/116.8
IC503	1130012620	S.IC SN74AHC1G86DCKR	T	127.6/118.9
IC504	1130011930	S.IC SN74LVC1G04DCKR	T	135.5/122.9
IC505	1130011930	S.IC SN74LVC1G04DCKR	T	128.0/122.0
IC611	1130015200	S.IC XCS3200A-4FGG320I	B	67.0/70.0
IC612	1130014880	S.IC CS16LV81923AGIR55 <SEI>	T	16.0/75.0
IC613	1130014880	S.IC CS16LV81923AGIR55 <SEI>	T	34.5/75.0
IC614	1130013770	S.IC TC7S00FU(TE85LF)	T	47.4/75.2
IC700	1130003761	S.IC TC4S81F(TE85RF)	B	126.1/63.0
IC800	1130014650	S.IC ADV7180BSTZ <FE>	B	149.5/152.0
IC801	1130015350	S.IC SN65LVDS84AQDGGRRQ1	T	79.0/97.0
IC802	1130014630	S.IC MT48LC16M16A2P-75 IT:D <FE>	T	111.5/104.0
IC803	1130014630	S.IC MT48LC16M16A2P-75 IT:D <FE>	T	111.5/133.0
IC804	1130014670	S.IC AX51902A	B	84.0/122.0
Q1	1530003900	S.TRA KTC4075 BL-RTK/P	B	114.5/77.7
Q4	1510001090	S.TRA KTA2015Y-RTK/P	T	143.9/129.1
Q5	1590003580	S.TRA KRC404 RTK/P	T	137.1/128.7
Q7	1510001090	S.TRA KTA2015Y-RTK/P	B	120.3/48.0
Q8	1530003900	S.TRA KTC4075 BL-RTK/P	B	108.9/46.1
Q9	1510001090	S.TRA KTA2015Y-RTK/P	B	103.9/43.0
Q10	1510001090	S.TRA KTA2015Y-RTK/P	B	155.6/125.7
Q11	1530003900	S.TRA KTC4075 BL-RTK/P	B	144.8/127.3
Q12	1510001090	S.TRA KTA2015Y-RTK/P	B	142.3/130.2
Q13	1510001090	S.TRA KTA2015Y-RTK/P	B	149.1/116.7
Q14	1530003900	S.TRA KTC4075 BL-RTK/P	B	141.2/116.8
Q15	1510001090	S.TRA KTA2015Y-RTK/P	B	141.8/120.4
Q16	1510001090	S.TRA KTA2015Y-RTK/P	B	131.1/93.8
Q17	1530003900	S.TRA KTC4075 BL-RTK/P	B	121.9/97.4
Q18	1510001090	S.TRA KTA2015Y-RTK/P	B	124.7/101.1
Q19	1510001090	S.TRA KTA2015Y-RTK/P	B	120.9/118.6
Q20	1530003900	S.TRA KTC4075 BL-RTK/P	B	128.5/114.9
Q21	1510001090	S.TRA KTA2015Y-RTK/P	B	131.8/111.8
Q22	1510001090	S.TRA KTA2015Y-RTK/P	B	124.8/107.4
Q23	1530003900	S.TRA KTC4075 BL-RTK/P	B	133.5/104.6
Q24	1510001090	S.TRA KTA2015Y-RTK/P	B	134.9/102.1
Q25	1510001090	S.TRA KTA2015Y-RTK/P	B	154.7/93.1
Q26	1530003900	S.TRA KTC4075 BL-RTK/P	B	145.5/95.9
Q27	1510001090	S.TRA KTA2015Y-RTK/P	B	143.0/99.0
Q401	1520000460	S.TRA 2SB1132 T100 R	T	69.2/165.5
Eqv.	1520000910	S.TRA 2SB1132L-R-AB3-R <SLVJ>		
Q402	1590003580	S.TRA KRC404 RTK/P	T	91.5/176.5
Q403	1590003580	S.TRA KRC404 RTK/P	T	37.5/176.5
Q404	1590003580	S.TRA KRC404 RTK/P	T	10.5/176.5
Q405	1590003580	S.TRA KRC404 RTK/P	T	64.5/176.5
Q406	1510001090	S.TRA KTA2015Y-RTK/P	T	98.5/177.4
Q407	1510001090	S.TRA KTA2015Y-RTK/P	T	44.5/177.4
Q408	1510001090	S.TRA KTA2015Y-RTK/P	T	17.5/177.4
Q409	1510001090	S.TRA KTA2015Y-RTK/P	T	71.5/177.4
Q501	1540000461	S.TRA 2SD1817-TL-E	B	48.5/161.5
Q751	1590004020	S.FET TPC8110(TE12LQ)	T	160.5/100.6
Q752	1590003580	S.TRA KRC404 RTK/P	T	169.6/102.0
Q753	1590003580	S.TRA KRC404 RTK/P	T	170.6/98.9
Q754	1510001090	S.TRA KTA2015Y-RTK/P	T	165.9/98.1
Q771	1590004020	S.FET TPC8110(TE12LQ)	T	160.5/95.1
Q772	1590003580	S.TRA KRC404 RTK/P	T	168.8/91.2
Q773	1590003580	S.TRA KRC404 RTK/P	T	168.8/86.9
Q774	1510001090	S.TRA KTA2015Y-RTK/P	T	164.6/88.8
D1	1750001320	S.DIO KDS4148U RTK/P	B	116.5/81.8
D2	1750001320	S.DIO KDS4148U RTK/P	B	152.2/92.0
D5	1750001320	S.DIO KDS4148U RTK/P	B	119.7/44.2
D6	1750001320	S.DIO KDS4148U RTK/P	B	153.1/124.3
D7	1750001320	S.DIO KDS4148U RTK/P	B	146.2/117.0
D8	1750001320	S.DIO KDS4148U RTK/P	B	128.6/94.4
D9	1750001320	S.DIO KDS4148U RTK/P	T	146.2/127.2

[MAIN UNIT]

REF NO.	PARTS NO.	DESCRIPTION		M.	H/V LOCATION
D10	1750001320	S.DIO	KDS4148U RTK/P	B	123.3/119.4
D11	1750001320	S.DIO	KDS4148U RTK/P	B	127.3/107.9
D13	1750001320	S.DIO	KDS4148U RTK/P	T	85.6/30.8
D14	1750001320	S.DIO	KDS4148U RTK/P	T	146.2/131.0
D15	1750001180	S.DIO	KDS122 RTK/P	B	124.1/48.0
D16	1750001180	S.DIO	KDS122 RTK/P	B	158.4/125.4
D17	1750001180	S.DIO	KDS122 RTK/P	B	151.9/116.4
D18	1750001180	S.DIO	KDS122 RTK/P	B	135.2/94.3
D19	1750001180	S.DIO	KDS122 RTK/P	B	118.1/117.6
D20	1750001180	S.DIO	KDS122 RTK/P	B	122.1/107.7
D21	1750001180	S.DIO	KDS122 RTK/P	B	157.5/91.8
D405	1750001320	S.DIO	KDS4148U RTK/P	T	45.0/182.4
D406	1750001320	S.DIO	KDS4148U RTK/P	T	18.0/182.4
D407	1750001320	S.DIO	KDS4148U RTK/P	T	99.0/182.4
D408	1750001320	S.DIO	KDS4148U RTK/P	T	72.0/182.4
D501	1750002280	S.DIO	DB3J314F0L	T	133.0/122.2
D502	1750002280	S.DIO	DB3J314F0L	T	130.5/122.8
D601	1750001320	S.DIO	KDS4148U RTK/P	B	11.0/62.5
D602	1750001320	S.DIO	KDS4148U RTK/P	B	12.8/62.5
D700	1750001320	S.DIO	KDS4148U RTK/P	B	11.0/56.5
D701	1750001320	S.DIO	KDS4148U RTK/P	B	12.8/56.5
D702	1750002170	S.DIO	DB2S31400L	B	38.5/52.6
X202	6050012410	S.XTA	CR-751A SMD-49 25.000 MHz <KDS>	T	37.9/165.5
X800	6050012870	S.XTA	CR-879 SMD-49 28.6363 MHz	T	141.2/152.0
R1	7030003860	S.RES	ERJ3GE JPW V	T	133.0/94.4
R2	7030003860	S.RES	ERJ3GE JPW V	T	100.5/32.0
R3	7030003860	S.RES	ERJ3GE JPW V	T	148.1/122.2
R4	7030003860	S.RES	ERJ3GE JPW V	T	131.1/101.6
R5	7030003640	S.RES	ERJ3GEYJ 473 V (47K)	B	155.8/119.0
R6	7030003400	S.RES	ERJ3GEYJ 471 V (470)	B	155.2/103.5
R9	7030010820	S.RES	ERJ1TYJ 221U (220)	B	124.8/44.9
R10	7030010820	S.RES	ERJ1TYJ 221U (220)	B	158.4/128.8
R11	7030010820	S.RES	ERJ1TYJ 221U (220)	B	151.0/119.8
R12	7030010820	S.RES	ERJ1TYJ 221U (220)	B	131.1/98.0
R13	7030003400	S.RES	ERJ3GEYJ 471 V (470)	B	161.4/105.0
R14	7030000150	S.RES	MCR10EZJH 12 (120)	T	154.7/123.2
R17	7030000150	S.RES	MCR10EZJH 12 (120)	B	119.5/28.4
R18	7030007510	S.RES	ERJ12YJ270U (27)	T	150.1/127.2
R20	7030003440	S.RES	ERJ3GEYJ 102 V (1K)	B	108.7/43.1
R21	7030003440	S.RES	ERJ3GEYJ 102 V (1K)	B	142.9/127.2
R22	7030003440	S.RES	ERJ3GEYJ 102 V (1K)	B	138.5/117.8
R23	7030003440	S.RES	ERJ3GEYJ 102 V (1K)	B	121.2/100.3
R24	7030003400	S.RES	ERJ3GEYJ 471 V (470)	B	139.6/109.7
R26	7030003640	S.RES	ERJ3GEYJ 473 V (47K)	T	141.7/129.1
R27	7030003860	S.RES	ERJ3GE JPW V	T	106.1/24.0
R28	7030003640	S.RES	ERJ3GEYJ 473 V (47K)	B	134.2/127.1
R29	7030003640	S.RES	ERJ3GEYJ 473 V (47K)	B	158.7/119.0
R30	7030003640	S.RES	ERJ3GEYJ 473 V (47K)	B	53.8/18.7
R31	7030003640	S.RES	ERJ3GEYJ 473 V (47K)	B	53.8/19.9
R32	7030003640	S.RES	ERJ3GEYJ 473 V (47K)	B	53.1/21.1
R33	7030003640	S.RES	ERJ3GEYJ 473 V (47K)	B	157.1/119.0
R34	7030003640	S.RES	ERJ3GEYJ 473 V (47K)	B	59.0/23.7
R35	7030003640	S.RES	ERJ3GEYJ 473 V (47K)	B	81.7/32.0
R36	7030003640	S.RES	ERJ3GEYJ 473 V (47K)	B	83.6/32.0
R37	7030003640	S.RES	ERJ3GEYJ 473 V (47K)	B	84.1/29.1
R38	7030003580	S.RES	ERJ3GEYJ 153 V (15K)	T	53.9/17.0
R39	7030003640	S.RES	ERJ3GEYJ 473 V (47K)	B	82.8/29.1
R41	7030003560	S.RES	ERJ3GEYJ 103 V (10K)	B	73.0/29.8
R42	7030003860	S.RES	ERJ3GE JPW V	T	65.5/9.0
R43	7030003680	S.RES	ERJ3GEYJ 104 V (100K)	T	65.0/17.1
R44	7030003640	S.RES	ERJ3GEYJ 473 V (47K)	B	71.8/31.4
R45	7030003640	S.RES	ERJ3GEYJ 473 V (47K)	T	51.1/30.4
R46	7030003560	S.RES	ERJ3GEYJ 103 V (10K)	T	49.9/30.4
R50	7030003640	S.RES	ERJ3GEYJ 473 V (47K)	T	74.7/20.4
R51	7030010820	S.RES	ERJ1TYJ 221U (220)	B	124.6/104.3
R53	7030000150	S.RES	MCR10EZJH 12 (120)	B	108.7/32.5
R54	7030010820	S.RES	ERJ1TYJ 221U (220)	B	118.5/113.2
R56	7030003440	S.RES	ERJ3GEYJ 102 V (1K)	B	131.2/114.0
R57	7030003440	S.RES	ERJ3GEYJ 102 V (1K)	B	136.4/104.5
R58	7030003580	S.RES	ERJ3GEYJ 153 V (15K)	B	126.1/60.6
R59	7030003640	S.RES	ERJ3GEYJ 473 V (47K)	T	70.6/40.3
R60	7030003520	S.RES	ERJ3GEYJ 472 V (4.7K)	T	71.8/40.3
R61	7030003520	S.RES	ERJ3GEYJ 472 V (4.7K)	T	74.2/40.3
R62	7030003640	S.RES	ERJ3GEYJ 473 V (47K)	T	73.0/40.3
R63	7030003640	S.RES	ERJ3GEYJ 473 V (47K)	T	50.3/35.1
R64	7030003520	S.RES	ERJ3GEYJ 472 V (4.7K)	B	111.5/72.7
R65	7030007510	S.RES	ERJ12YJ270U (27)	T	150.1/131.0
R66	7030003450	S.RES	ERJ3GEYJ 122 V (1.2K)	T	139.7/130.2
R67	7030003560	S.RES	ERJ3GEYJ 103 V (10K)	B	122.7/42.4
R68	7030003560	S.RES	ERJ3GEYJ 103 V (10K)	B	106.1/44.1
R69	7030003580	S.RES	ERJ3GEYJ 153 V (15K)	B	107.4/43.1
R70	7030003620	S.RES	ERJ3GEYJ 333 V (33K)	B	105.7/47.7
R71	7030003560	S.RES	ERJ3GEYJ 103 V (10K)	B	103.9/44.9
R72	7030003560	S.RES	ERJ3GEYJ 103 V (10K)	B	155.5/123.2
R73	7030003560	S.RES	ERJ3GEYJ 103 V (10K)	B	144.9/129.5
R74	7030003580	S.RES	ERJ3GEYJ 153 V (15K)	B	141.7/127.2
R75	7030003620	S.RES	ERJ3GEYJ 333 V (33K)	B	147.4/127.7
R76	7030003560	S.RES	ERJ3GEYJ 103 V (10K)	B	144.9/130.7
R77	7030003560	S.RES	ERJ3GEYJ 103 V (10K)	B	151.9/114.2
R78	7030003560	S.RES	ERJ3GEYJ 103 V (10K)	B	143.7/119.3
R79	7030003580	S.RES	ERJ3GEYJ 153 V (15K)	B	138.5/116.1
R80	7030003620	S.RES	ERJ3GEYJ 333 V (33K)	B	143.9/117.2
R81	7030003560	S.RES	ERJ3GEYJ 103 V (10K)	B	141.6/122.5

[MAIN UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
R82	7030003560	S.RES ERJ3GEYJ 103 V (10K)	B	133.3/94.8
R83	7030003560	S.RES ERJ3GEYJ 103 V (10K)	B	119.9/100.3
R84	7030003580	S.RES ERJ3GEYJ 153 V (15K)	B	122.5/100.3
R85	7030003620	S.RES ERJ3GEYJ 333 V (33K)	B	124.6/97.8
R86	7030003560	S.RES ERJ3GEYJ 103 V (10K)	B	124.6/99.1
R87	7030003560	S.RES ERJ3GEYJ 103 V (10K)	B	121.0/120.8
R88	7030003560	S.RES ERJ3GEYJ 103 V (10K)	B	129.1/112.7
R89	7030003580	S.RES ERJ3GEYJ 153 V (15K)	B	131.2/115.3
R90	7030003620	S.RES ERJ3GEYJ 333 V (33K)	B	125.8/114.5
R91	7030003560	S.RES ERJ3GEYJ 103 V (10K)	B	128.6/111.4
R92	7030003560	S.RES ERJ3GEYJ 103 V (10K)	B	124.9/109.6
R93	7030003560	S.RES ERJ3GEYJ 103 V (10K)	B	136.8/102.5
R94	7030003580	S.RES ERJ3GEYJ 153 V (15K)	B	136.4/105.7
R95	7030003620	S.RES ERJ3GEYJ 333 V (33K)	B	130.8/105.5
R96	7030003560	S.RES ERJ3GEYJ 103 V (10K)	B	130.8/102.9
R97	7030010820	S.RES ERJ1TYJ 221U (220)	B	154.6/96.4
R98	7030003560	S.RES ERJ3GEYJ 103 V (10K)	B	154.7/90.9
R99	7030003440	S.RES ERJ3GEYJ 102 V (1K)	B	142.8/96.8
R100	7030003560	S.RES ERJ3GEYJ 103 V (10K)	B	145.7/98.1
R101	7030003580	S.RES ERJ3GEYJ 153 V (15K)	B	142.8/95.5
R102	7030003620	S.RES ERJ3GEYJ 333 V (33K)	B	148.2/96.3
R103	7030003560	S.RES ERJ3GEYJ 103 V (10K)	B	145.7/97.3
R180	7030003860	S.RES ERJ3GE JPW V	T	53.0/7.8
R185	7030003640	S.RES ERJ3GEYJ 473 V (47K)	B	37.1/52.6
R186	7030003640	S.RES ERJ3GEYJ 473 V (47K)	B	71.6/52.6
R187	7030003640	S.RES ERJ3GEYJ 473 V (47K)	T	45.6/40.5
R200	7030003860	S.RES ERJ3GE JPW V	T	125.6/150.5
R201	7030003240	S.RES ERJ3GEYJ 220 V (22)	T	32.2/141.7
R202	7030003240	S.RES ERJ3GEYJ 220 V (22)	T	32.1/137.0
R203	7030003440	S.RES ERJ3GEYJ 102 V (1K)	T	29.6/134.9
R204	7030003520	S.RES ERJ3GEYJ 472 V (4.7K)	T	132.1/155.9
R206	7030003460	S.RES ERJ3GEYJ 152 V (1.5K)	B	118.1/154.3
R207	7030003350	S.RES ERJ3GEYJ 181 V (180)	B	116.8/154.3
R209	7030010900	S.RES ERJ3GEYJ 750 V (75)	B	142.3/163.6
R210	7030010900	S.RES ERJ3GEYJ 750 V (75)	B	139.3/162.1
R211	7030010900	S.RES ERJ3GEYJ 750 V (75)	B	143.5/162.1
R212	7030010900	S.RES ERJ3GEYJ 750 V (75)	B	140.1/164.2
R213	7030010900	S.RES ERJ3GEYJ 750 V (75)	B	144.3/164.2
R214	7030010900	S.RES ERJ3GEYJ 750 V (75)	B	138.1/163.6
R215	7030010900	S.RES ERJ3GEYJ 750 V (75)	B	142.3/164.8
R216	7030010900	S.RES ERJ3GEYJ 750 V (75)	B	138.1/164.8
R217	7030003800	S.RES ERJ3GEYJ 105 V (1M)	T	37.9/162.2
R218	7030003440	S.RES ERJ3GEYJ 102 V (1K)	T	32.9/154.4
R219	7030003260	S.RES ERJ3GEYJ 330 V (33)	T	42.6/121.6
R220	7030003560	S.RES ERJ3GEYJ 103 V (10K)	T	31.4/119.1
R221	7030003280	S.RES ERJ3GEYJ 470 V (47)	T	115.4/146.5
R224	7410001180	S.ARR EXB-V8V 330JV (33)	T	48.9/149.9
R228	7410001180	S.ARR EXB-V8V 330JV (33)	T	53.7/149.9
R232	7410001180	S.ARR EXB-V8V 330JV (33)	T	53.7/132.5
R236	7410001180	S.ARR EXB-V8V 330JV (33)	T	48.9/132.5
R240	7410001180	S.ARR EXB-V8V 330JV (33)	T	48.9/120.5
R241	7030003560	S.RES ERJ3GEYJ 103 V (10K)	T	21.1/132.4
R242	7030003240	S.RES ERJ3GEYJ 220 V (22)	B	32.2/108.3
R243	7030003240	S.RES ERJ3GEYJ 220 V (22)	T	33.3/111.5
R244	7410001180	S.ARR EXB-V8V 330JV (33)	T	53.7/120.5
R245	7030003240	S.RES ERJ3GEYJ 220 V (22)	B	36.8/108.1
R246	7030003240	S.RES ERJ3GEYJ 220 V (22)	B	35.6/108.1
R247	7030003240	S.RES ERJ3GEYJ 220 V (22)	B	34.4/108.1
R248	7410001180	S.ARR EXB-V8V 330JV (33)	T	53.7/103.5
R249	7030003240	S.RES ERJ3GEYJ 220 V (22)	T	27.7/111.1
R250	7030003240	S.RES ERJ3GEYJ 220 V (22)	T	27.5/112.3
R251	7030003240	S.RES ERJ3GEYJ 220 V (22)	B	29.0/109.0
R252	7410001180	S.ARR EXB-V8V 330JV (33)	T	48.9/103.5
R253	7030003560	S.RES ERJ3GEYJ 103 V (10K)	T	20.4/117.1
R254	7030003560	S.RES ERJ3GEYJ 103 V (10K)	T	26.4/119.0
R255	7030006601	S.RES ERA3YED 272V (2.7K)	T	31.2/114.7
R256	7030003560	S.RES ERJ3GEYJ 103 V (10K)	T	39.0/122.7
R257	7030003520	S.RES ERJ3GEYJ 472 V (4.7K)	T	27.6/117.1
R258	7030003520	S.RES ERJ3GEYJ 472 V (4.7K)	T	30.3/117.1
R259	7030003520	S.RES ERJ3GEYJ 472 V (4.7K)	T	24.9/117.1
R262	7410001180	S.ARR EXB-V8V 330JV (33)	T	58.0/103.5
R263	7030003240	S.RES ERJ3GEYJ 220 V (22)	B	20.3/111.2
R264	7030003240	S.RES ERJ3GEYJ 220 V (22)	B	30.2/109.0
R265	7030003240	S.RES ERJ3GEYJ 220 V (22)	B	21.5/111.2
R266	7410001180	S.ARR EXB-V8V 330JV (33)	T	61.7/103.5
R267	7030003240	S.RES ERJ3GEYJ 220 V (22)	B	24.5/109.0
R268	7030003240	S.RES ERJ3GEYJ 220 V (22)	T	23.4/110.7
R269	7030003240	S.RES ERJ3GEYJ 220 V (22)	T	23.4/111.9
R270	7410001180	S.ARR EXB-V8V 330JV (33)	T	65.4/103.5
R273	7030003240	S.RES ERJ3GEYJ 220 V (22)	B	26.0/109.0
R274	7030003240	S.RES ERJ3GEYJ 220 V (22)	B	19.1/111.2
R275	7030003240	S.RES ERJ3GEYJ 220 V (22)	B	24.5/104.6
R276	7410001180	S.ARR EXB-V8V 330JV (33)	T	58.0/132.5
R277	7030003240	S.RES ERJ3GEYJ 220 V (22)	B	35.8/104.1
R278	7030003240	S.RES ERJ3GEYJ 220 V (22)	B	25.0/101.9
R279	7030003240	S.RES ERJ3GEYJ 220 V (22)	B	35.8/105.3
R280	7410001180	S.ARR EXB-V8V 330JV (33)	T	61.7/132.5
R281	7030003440	S.RES ERJ3GEYJ 102 V (1K)	T	30.5/139.4
R282	7030003440	S.RES ERJ3GEYJ 102 V (1K)	T	28.8/137.5
R283	7030003200	S.RES ERJ3GEYJ 100 V (10)	T	42.6/122.8
R284	7410001180	S.ARR EXB-V8V 330JV (33)	T	65.4/132.5
R287	7030003260	S.RES ERJ3GEYJ 330 V (33)	T	56.8/120.5
R288	7030003860	S.RES ERJ3GE JPW V	T	11.3/130.5
R289	7030003260	S.RES ERJ3GEYJ 330 V (33)	T	59.2/120.5
R290	7410001180	S.ARR EXB-V8V 330JV (33)	T	61.7/120.5
R294	7410001180	S.ARR EXB-V8V 330JV (33)	T	65.4/120.5
R295	7410001180	S.ARR EXB-V8V 330JV (33)	T	61.7/149.6
R296	7410001180	S.ARR EXB-V8V 330JV (33)	T	65.4/149.6
R297	7030003260	S.RES ERJ3GEYJ 330 V (33)	T	56.8/149.9
R299	7030003260	S.RES ERJ3GEYJ 330 V (33)	T	59.2/149.9
R301	7030003860	S.RES ERJ3GE JPW V	T	41.4/152.5
R302	7030003240	S.RES ERJ3GEYJ 220 V (22)	T	38.6/151.7
R303	7030003240	S.RES ERJ3GEYJ 220 V (22)	T	37.9/159.5
R418	7030010890	S.RES ERJ3EKF 49R9 V (49.9)	T	80.0/158.9
R420	7030010890	S.RES ERJ3EKF 49R9 V (49.9)	T	82.8/158.9

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

[MAIN UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
R422	7030003440	S.RES ERJ3GEYJ 102 V (1K)	T	71.2/162.6
R423	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	13.2/167.4
R424	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	39.0/167.4
R425	7030003380	S.RES ERJ3GEYJ 331 V (330)	T	60.3/162.1
R426	7030003380	S.RES ERJ3GEYJ 331 V (330)	T	60.3/163.5
R427	7030003380	S.RES ERJ3GEYJ 331 V (330)	T	60.3/164.7
R428	7030003380	S.RES ERJ3GEYJ 331 V (330)	T	60.3/165.9
R429	7030003380	S.RES ERJ3GEYJ 331 V (330)	T	60.3/167.1
R430	7030003380	S.RES ERJ3GEYJ 331 V (330)	T	60.3/168.3
R431	7030010890	S.RES ERJ3EKF 49R9 V (49.9)	T	82.8/157.6
R433	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	12.0/167.4
R434	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	40.2/167.4
R435	7030003380	S.RES ERJ3GEYJ 331 V (330)	T	60.3/157.3
R436	7030003380	S.RES ERJ3GEYJ 331 V (330)	T	60.3/158.5
R437	7030003380	S.RES ERJ3GEYJ 331 V (330)	T	60.3/159.7
R438	7030003380	S.RES ERJ3GEYJ 331 V (330)	T	60.3/160.9
R439	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	15.6/167.4
R440	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	42.6/167.4
R441	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	16.8/167.4
R442	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	43.8/167.4
R443	7030010890	S.RES ERJ3EKF 49R9 V (49.9)	T	80.0/157.6
R445	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	18.2/167.4
R446	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	45.2/167.4
R447	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	19.4/167.4
R448	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	46.4/167.4
R449	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	21.8/167.4
R450	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	48.8/167.4
R451	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	23.0/167.4
R452	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	50.0/167.4
R453	7030003340	S.RES ERJ3GEYJ 151 V (150)	T	10.5/182.4
R454	7030003340	S.RES ERJ3GEYJ 151 V (150)	T	37.5/182.4
R455	7030003340	S.RES ERJ3GEYJ 151 V (150)	T	10.5/181.1
R456	7030003340	S.RES ERJ3GEYJ 151 V (150)	T	37.5/181.1
R457	7030003340	S.RES ERJ3GEYJ 151 V (150)	T	10.5/179.8
R458	7030003340	S.RES ERJ3GEYJ 151 V (150)	T	37.5/179.8
R459	7030003340	S.RES ERJ3GEYJ 151 V (150)	T	10.5/178.5
R460	7030003340	S.RES ERJ3GEYJ 151 V (150)	T	37.5/178.5
R461	7030003560	S.RES ERJ3GEYJ 103 V (10K)	T	81.5/153.0
R462	7030003560	S.RES ERJ3GEYJ 103 V (10K)	T	86.5/153.0
R463	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	65.8/167.4
R464	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	90.5/170.6
R465	7030003560	S.RES ERJ3GEYJ 103 V (10K)	T	92.3/150.5
R466	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	67.0/167.4
R467	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	90.5/171.8
R468	7030003560	S.RES ERJ3GEYJ 103 V (10K)	T	92.8/149.3
R469	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	69.4/167.4
R470	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	90.5/174.2
R471	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	70.6/167.4
R472	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	90.5/175.4
R473	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	79.5/175.4
R474	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	99.4/166.9
R475	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	79.5/174.2
R476	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	100.6/166.9
R477	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	79.5/171.8
R478	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	103.0/166.9
R479	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	79.5/170.6
R480	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	101.8/166.9
R481	7030003340	S.RES ERJ3GEYJ 151 V (150)	T	64.5/182.4
R482	7030003340	S.RES ERJ3GEYJ 151 V (150)	T	91.5/182.4
R483	7030003340	S.RES ERJ3GEYJ 151 V (150)	T	64.5/181.1
R484	7030003340	S.RES ERJ3GEYJ 151 V (150)	T	91.5/181.1
R485	7030003340	S.RES ERJ3GEYJ 151 V (150)	T	64.5/179.8
R486	7030003340	S.RES ERJ3GEYJ 151 V (150)	T	91.5/179.8
R487	7030003640	S.RES ERJ3GEYJ 473 V (47K)	T	94.5/176.5
R488	7030003640	S.RES ERJ3GEYJ 473 V (47K)	T	40.5/176.5
R489	7030003340	S.RES ERJ3GEYJ 151 V (150)	T	64.5/178.5
R490	7030003340	S.RES ERJ3GEYJ 151 V (150)	T	91.5/178.5
R491	7030003640	S.RES ERJ3GEYJ 473 V (47K)	T	13.5/176.5
R493	7030003640	S.RES ERJ3GEYJ 473 V (47K)	T	67.5/176.5
R494	7030003640	S.RES ERJ3GEYJ 473 V (47K)	T	98.5/175.1
R495	7030003640	S.RES ERJ3GEYJ 473 V (47K)	T	44.5/175.1
R497	7030003640	S.RES ERJ3GEYJ 473 V (47K)	T	17.5/175

[MAIN UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
R562	7030004050	S.RES ERJ3GEYJ 1R0 V (1)	T	50.2/58.9
R563	7030004050	S.RES ERJ3GEYJ 1R0 V (1)	T	30.4/45.2
R564	7030004050	S.RES ERJ3GEYJ 1R0 V (1)	T	50.0/52.6
R565	7030004050	S.RES ERJ3GEYJ 1R0 V (1)	T	30.4/40.4
R566	7030004050	S.RES ERJ3GEYJ 1R0 V (1)	T	30.4/39.2
R567	7030004050	S.RES ERJ3GEYJ 1R0 V (1)	T	49.0/58.9
R568	7030004050	S.RES ERJ3GEYJ 1R0 V (1)	T	48.8/52.6
R569	7030004050	S.RES ERJ3GEYJ 1R0 V (1)	B	37.6/50.2
R570	7030004050	S.RES ERJ3GEYJ 1R0 V (1)	B	27.2/52.6
R571	7030004050	S.RES ERJ3GEYJ 1R0 V (1)	B	26.0/52.6
R572	7030004050	S.RES ERJ3GEYJ 1R0 V (1)	B	24.8/52.6
R573	7030003400	S.RES ERJ3GEYJ 471 V (470)	T	55.6/72.4
R574	7030003400	S.RES ERJ3GEYJ 471 V (470)	T	58.5/72.5
R575	7030004050	S.RES ERJ3GEYJ 1R0 V (1)	B	73.4/55.9
R576	7030004050	S.RES ERJ3GEYJ 1R0 V (1)	B	74.6/55.9
R577	7030004050	S.RES ERJ3GEYJ 1R0 V (1)	T	29.2/36.9
R578	7030004050	S.RES ERJ3GEYJ 1R0 V (1)	T	29.2/35.7
R579	7030004050	S.RES ERJ3GEYJ 1R0 V (1)	T	47.5/58.9
R580	7030004050	S.RES ERJ3GEYJ 1R0 V (1)	T	46.4/52.6
R581	7030003410	S.RES ERJ3GEYJ 561 V (560)	T	47.6/52.6
R582	7030004050	S.RES ERJ3GEYJ 1R0 V (1)	T	46.3/58.9
R583	7030004050	S.RES ERJ3GEYJ 1R0 V (1)	T	45.2/52.6
R584	7030004050	S.RES ERJ3GEYJ 1R0 V (1)	T	29.2/34.5
R585	7030004050	S.RES ERJ3GEYJ 1R0 V (1)	T	29.2/33.3
R586	7030004050	S.RES ERJ3GEYJ 1R0 V (1)	T	29.2/30.9
R587	7030004050	S.RES ERJ3GEYJ 1R0 V (1)	T	29.2/32.1
R588	7030004050	S.RES ERJ3GEYJ 1R0 V (1)	T	45.1/58.9
R589	7030004050	S.RES ERJ3GEYJ 1R0 V (1)	T	44.0/52.6
R590	7030004050	S.RES ERJ3GEYJ 1R0 V (1)	T	29.2/29.7
R591	7030004050	S.RES ERJ3GEYJ 1R0 V (1)	T	29.2/28.5
R592	7030004050	S.RES ERJ3GEYJ 1R0 V (1)	T	43.9/58.9
R593	7030004050	S.RES ERJ3GEYJ 1R0 V (1)	T	42.8/52.6
R594	7030004050	S.RES ERJ3GEYJ 1R0 V (1)	B	34.6/52.6
R595	7030004050	S.RES ERJ3GEYJ 1R0 V (1)	B	42.5/34.0
R596	7030004050	S.RES ERJ3GEYJ 1R0 V (1)	B	23.6/52.6
R597	7030003560	S.RES ERJ3GEYJ 103 V (10K)	B	35.9/52.6
R636	7030003640	S.RES ERJ3GEYJ 473 V (47K)	T	50.3/33.8
R637	7030003640	S.RES ERJ3GEYJ 473 V (47K)	T	53.0/40.3
R638	7030003640	S.RES ERJ3GEYJ 473 V (47K)	T	69.4/40.3
R639	7030003640	S.RES ERJ3GEYJ 473 V (47K)	T	68.2/40.3
R640	7030003640	S.RES ERJ3GEYJ 473 V (47K)	T	50.3/32.6
R641	7030003640	S.RES ERJ3GEYJ 473 V (47K)	T	67.0/40.3
R642	7030003640	S.RES ERJ3GEYJ 473 V (47K)	T	65.8/40.3
R643	7030003640	S.RES ERJ3GEYJ 473 V (47K)	T	54.3/40.3
R644	7030003640	S.RES ERJ3GEYJ 473 V (47K)	T	66.6/44.5
R645	7030003640	S.RES ERJ3GEYJ 473 V (47K)	T	65.4/44.5
R646	7030003640	S.RES ERJ3GEYJ 473 V (47K)	T	64.2/44.5
R647	7030003640	S.RES ERJ3GEYJ 473 V (47K)	T	62.8/44.5
R648	7030003640	S.RES ERJ3GEYJ 473 V (47K)	T	58.1/43.6
R649	7030003640	S.RES ERJ3GEYJ 473 V (47K)	T	54.5/43.6
R650	7030003640	S.RES ERJ3GEYJ 473 V (47K)	T	55.7/43.6
R651	7030003640	S.RES ERJ3GEYJ 473 V (47K)	T	56.9/43.6
R652	7030003640	S.RES ERJ3GEYJ 473 V (47K)	T	60.5/40.3
R653	7030003640	S.RES ERJ3GEYJ 473 V (47K)	T	61.7/40.3
R654	7030003640	S.RES ERJ3GEYJ 473 V (47K)	T	58.1/40.3
R655	7030003640	S.RES ERJ3GEYJ 473 V (47K)	T	59.3/40.3
R660	7030003640	S.RES ERJ3GEYJ 473 V (47K)	T	51.8/40.3
R692	7030004050	S.RES ERJ3GEYJ 1R0 V (1)	T	79.7/78.9
R694	7030003640	S.RES ERJ3GEYJ 473 V (47K)	T	50.2/74.3
R700	7030003340	S.RES ERJ3GEYJ 151 V (150)	B	10.3/60.1
R701	7030003340	S.RES ERJ3GEYJ 151 V (150)	B	10.3/58.9
R702	7030003560	S.RES ERJ3GEYJ 103 V (10K)	B	164.7/58.0
R704	7030003560	S.RES ERJ3GEYJ 103 V (10K)	T	86.6/60.4
R705	7030003560	S.RES ERJ3GEYJ 103 V (10K)	T	86.6/80.8
R706	7030003560	S.RES ERJ3GEYJ 103 V (10K)	T	86.6/50.4
R707	7030003560	S.RES ERJ3GEYJ 103 V (10K)	T	86.6/63.1
R708	7030003560	S.RES ERJ3GEYJ 103 V (10K)	T	86.0/67.5
R709	7030003560	S.RES ERJ3GEYJ 103 V (10K)	T	86.6/69.5
R710	7030011140	S.RES ERJ8GEYJ 0R00V	T	163.9/75.0
R711	7410001180	S.ARR EXB-V8V 330JV (33)	B	151.5/74.1
R712	7410001180	S.ARR EXB-V8V 330JV (33)	B	151.5/77.8
R713	7410001180	S.ARR EXB-V8V 330JV (33)	B	150.5/81.5
R714	7410001180	S.ARR EXB-V8V 330JV (33)	B	153.5/84.5
R715	7410001180	S.ARR EXB-V8V 330JV (33)	B	153.3/65.0
R716	7410001180	S.ARR EXB-V8V 330JV (33)	B	149.6/65.0
R717	7030003260	S.RES ERJ3GEYJ 330 V (33)	B	151.5/71.6
R718	7030003260	S.RES ERJ3GEYJ 330 V (33)	B	151.5/70.4
R719	7030003260	S.RES ERJ3GEYJ 330 V (33)	B	147.1/65.0
R720	7030004050	S.RES ERJ3GEYJ 1R0 V (1)	B	150.5/86.7
R721	7410001180	S.ARR EXB-V8V 330JV (33)	T	106.0/50.2
R722	7410001180	S.ARR EXB-V8V 330JV (33)	T	106.0/53.9
R723	7410001180	S.ARR EXB-V8V 330JV (33)	T	106.0/57.6
R724	7410001180	S.ARR EXB-V8V 330JV (33)	T	106.0/69.5
R725	7410001180	S.ARR EXB-V8V 330JV (33)	T	106.0/73.2
R726	7410001180	S.ARR EXB-V8V 330JV (33)	T	106.0/76.9
R727	7030003260	S.RES ERJ3GEYJ 330 V (33)	T	106.0/61.7
R728	7030003260	S.RES ERJ3GEYJ 330 V (33)	T	106.0/62.9
R729	7030003260	S.RES ERJ3GEYJ 330 V (33)	T	106.0/64.1
R751	7030003560	S.RES ERJ3GEYJ 103 V (10K)	T	165.0/102.1
R752	7030003600	S.RES ERJ3GEYJ 223 V (22K)	T	167.0/102.9
R753	7030003560	S.RES ERJ3GEYJ 103 V (10K)	T	168.7/98.9
R754	7030003560	S.RES ERJ3GEYJ 103 V (10K)	T	169.9/95.9
R755	7030009740	S.RES ERJ12RQJ0R33U (0.33)	B	164.1/96.5
R756	7030003290	S.RES ERJ3GEYJ 560 V (56)	T	165.8/100.0
R771	7030003560	S.RES ERJ3GEYJ 103 V (10K)	T	165.0/94.3
R772	7030003600	S.RES ERJ3GEYJ 223 V (22K)	T	166.3/94.3
R773	7030003560	S.RES ERJ3GEYJ 103 V (10K)	T	168.9/85.0
R774	7030003560	S.RES ERJ3GEYJ 103 V (10K)	T	168.3/88.8
R775	7030009740	S.RES ERJ12RQJ0R33U (0.33)	B	162.3/88.9
R776	7030003290	S.RES ERJ3GEYJ 560 V (56)	T	164.6/90.7
R800	7030003240	S.RES ERJ3GEYJ 220 V (22)	T	87.4/136.6
R801	7030003240	S.RES ERJ3GEYJ 220 V (22)	T	86.3/132.2
R802	7030003440	S.RES ERJ3GEYJ 102 V (1K)	T	86.2/130.0
R803	7030003520	S.RES ERJ3GEYJ 472 V (4.7K)	T	153.0/154.3
R804	7030003800	S.RES ERJ3GEYJ 105 V (1M)	T	145.2/150.5

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

[MAIN UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
R805	7030003460	S.RES ERJ3GEYJ 152 V (1.5K)	B	141.1/153.0
R806	7030003350	S.RES ERJ3GEYJ 181 V (180)	B	138.7/150.7
R808	7030010900	S.RES ERJ3GEYJ 750 V (75)	B	150.8/165.6
R809	7030010900	S.RES ERJ3GEYJ 750 V (75)	B	147.8/164.1
R810	7030010900	S.RES ERJ3GEYJ 750 V (75)	B	152.0/164.0
R811	7030010900	S.RES ERJ3GEYJ 750 V (75)	B	148.6/166.1
R812	7030010900	S.RES ERJ3GEYJ 750 V (75)	B	152.8/166.1
R813	7030010900	S.RES ERJ3GEYJ 750 V (75)	B	146.6/165.6
R814	7030010900	S.RES ERJ3GEYJ 750 V (75)	B	150.8/166.8
R815	7030010900	S.RES ERJ3GEYJ 750 V (75)	B	146.6/166.8
R816	7030003260	S.RES ERJ3GEYJ 330 V (33)	T	97.6/116.6
R817	7030003560	S.RES ERJ3GEYJ 103 V (10K)	T	87.1/114.1
R818	7030003560	S.RES ERJ3GEYJ 103 V (10K)	T	73.7/126.5
R819	7030003440	S.RES ERJ3GEYJ 102 V (1K)	T	84.1/137.5
R820	7030003440	S.RES ERJ3GEYJ 102 V (1K)	T	84.1/136.3
R821	7410001180	S.ARR EXB-V8V 330JV (33)	T	103.9/141.9
R822	7030003240	S.RES ERJ3GEYJ 220 V (22)	T	83.5/104.0
R823	7030003240	S.RES ERJ3GEYJ 220 V (22)	T	85.3/104.0
R824	7030003240	S.RES ERJ3GEYJ 220 V (22)	T	83.5/106.9
R825	7410001180	S.ARR EXB-V8V 330JV (33)	T	108.7/141.9
R826	7030003240	S.RES ERJ3GEYJ 220 V (22)	B	84.2/103.9
R827	7030003240	S.RES ERJ3GEYJ 220 V (22)	B	79.4/106.1
R828	7030003240	S.RES ERJ3GEYJ 220 V (22)	T	77.5/106.1
R829	7410001180	S.ARR EXB-V8V 330JV (33)	T	108.7/124.6
R830	7030003240	S.RES ERJ3GEYJ 220 V (22)	T	78.7/106.1
R831	7030003240	S.RES ERJ3GEYJ 220 V (22)	B	81.1/102.5
R832	7030003240	S.RES ERJ3GEYJ 220 V (22)	B	78.0/103.2
R833	7410001180	S.ARR EXB-V8V 330JV (33)	T	103.9/124.5
R834	7030003240	S.RES ERJ3GEYJ 220 V (22)	B	82.8/103.9
R835	7030003240	S.RES ERJ3GEYJ 220 V (22)	B	76.7/106.1
R836	7030003240	S.RES ERJ3GEYJ 220 V (22)	B	74.3/101.3
R837	7410001180	S.ARR EXB-V8V 330JV (33)	T	103.9/112.5
R838	7030003240	S.RES ERJ3GEYJ 220 V (22)	T	74.4/106.1
R839	7030003240	S.RES ERJ3GEYJ 220 V (22)	T	75.6/106.1
R840	7030003240	S.RES ERJ3GEYJ 220 V (22)	B	76.7/100.9
R841	7410001180	S.ARR EXB-V8V 330JV (33)	T	108.7/112.5
R842	7030003240	S.RES ERJ3GEYJ 220 V (22)	B	77.9/100.9
R843	7030003240	S.RES ERJ3GEYJ 220 V (22)	B	79.6/101.0
R845	7410001180	S.ARR EXB-V8V 330JV (33)	T	108.7/95.0
R846	7030003240	S.RES ERJ3GEYJ 220 V (22)	T	88.5/105.1
R847	7030003240	S.RES ERJ3GEYJ 220 V (22)	T	89.7/105.1
R848	7030003240	S.RES ERJ3GEYJ 220 V (22)	T	87.3/105.1
R849	7410001180	S.ARR EXB-V8V 330JV (33)	T	103.9/95.0
R850	7030003560	S.RES ERJ3GEYJ 103 V (10K)	T	75.4/112.1
R851	7030003560	S.RES ERJ3GEYJ 103 V (10K)	T	81.4/114.0
R852	7030006601	S.RES ERA3YED 272V (2.7K)	T	86.2/109.6
R853	7030003560	S.RES ERJ3GEYJ 103 V (10K)	T	93.9/117.8
R854	7030003520	S.RES ERJ3GEYJ 472 V (4.7K)	T	82.2/112.1
R855	7030003520	S.RES ERJ3GEYJ 472 V (4.7K)	T	84.9/112.1
R856	7030003520	S.RES ERJ3GEYJ 472 V (4.7K)	T	79.5/112.1
R857	7410001180	S.ARR EXB-V8V 330JV (33)	T	113.0/95.0
R858	7030003210	S.RES ERJ3GEYJ 120 V (12)	B	126.8/125.0
R859	7030003210	S.RES ERJ3GEYJ 120 V (12)	B	126.8/126.2
R860	7030003210	S.RES ERJ3GEYJ 120 V (12)	B	126.8/127.4
R861	7410001180	S.ARR EXB-V8V 330JV (33)	T	116.7/95.0
R862	7030003200	S.RES ERJ3GEYJ 100 V (10)	T	97.6/117.8
R863	7030003860	S.RES ERJ3GE JPW V	T	86.9/111.5
R865	7410001180	S.ARR EXB-V8V 330JV (33)	T	120.4/95.0
R869	7030003260	S.RES ERJ3GEYJ 330 V (33)	T	111.8/112.5
R870	7030003260	S.RES ERJ3GEYJ 330 V (33)	T	111.8/141.9
R871	7410001180	S.ARR EXB-V8V 330JV (33)	T	113.0/124.5
R872	7410001180	S.ARR EXB-V8V 330JV (33)	T	116.7/141.5
R873	7410001180	S.ARR EXB-V8V 330JV (33)	T	120.4/141.5
R875	7410001180	S.ARR EXB-V8V 330JV (33)	T	116.7/124.5
R879	7410001180	S.ARR EXB-V8V 330JV (33)	T	120.4/124.5
R884	7030003260	S.RES ERJ3GEYJ 330 V (33)	T	114.2/112.5
R888	7410001180	S.ARR EXB-V8V 330JV (33)	T	116.7/112.5
R892	7410001180	S.ARR EXB-V8V 330JV (33)	T	120.4/112.5
R894	7030003260	S.RES ERJ3GEYJ 330 V (33)	T	114.0/141.5
R896	7030003400	S.RES ERJ3GEYJ 471 V (470)	B	137.5/148.4
R901	7030003240	S.RES ERJ3GEYJ 220 V (22)	T	26.3/90.1
R902	7030003240	S.RES ERJ3GEYJ 220 V (22)	T	26.3/88.9
R903	7030003240	S.RES ERJ3GEYJ 220 V (22)	T	26.3/87.7
R904	7030003240	S.RES ERJ3GEYJ 220 V (22)	T	

[MAIN UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
R937	7030003400	S.RES ERJ3GEYJ 471 V (470)	T	75.8/69.8
R941	7030003400	S.RES ERJ3GEYJ 471 V (470)	T	72.5/69.8
R942	7030003400	S.RES ERJ3GEYJ 471 V (470)	T	75.4/67.5
R943	7030003400	S.RES ERJ3GEYJ 471 V (470)	T	75.4/64.8
R944	7030003400	S.RES ERJ3GEYJ 471 V (470)	T	72.0/64.9
R945	7030004050	S.RES ERJ3GEYJ 1R0 V (1)	T	72.2/61.6
R946	7030003400	S.RES ERJ3GEYJ 471 V (470)	T	74.2/60.4
R947	7030003240	S.RES ERJ3GEYJ 220 V (22)	T	19.6/63.8
R948	7030003240	S.RES ERJ3GEYJ 220 V (22)	B	28.4/52.6
R950	7030003240	S.RES ERJ3GEYJ 220 V (22)	B	69.5/53.5
R951	7030003240	S.RES ERJ3GEYJ 220 V (22)	B	72.2/55.9
R952	7030003240	S.RES ERJ3GEYJ 220 V (22)	B	41.1/42.9
R953	7030003240	S.RES ERJ3GEYJ 220 V (22)	T	43.5/81.8
R954	7030003240	S.RES ERJ3GEYJ 220 V (22)	T	46.9/82.5
R955	7030003240	S.RES ERJ3GEYJ 220 V (22)	T	44.2/83.2
R966	7030003240	S.RES ERJ3GEYJ 220 V (22)	T	46.9/83.9
R967	7030003240	S.RES ERJ3GEYJ 220 V (22)	T	44.2/84.6
R968	7030003240	S.RES ERJ3GEYJ 220 V (22)	T	46.2/81.1
R969	7030003240	S.RES ERJ3GEYJ 220 V (22)	T	42.7/80.4
R970	7030003240	S.RES ERJ3GEYJ 220 V (22)	T	45.5/79.7
R971	7030003240	S.RES ERJ3GEYJ 220 V (22)	B	46.5/40.9
R972	7030003240	S.RES ERJ3GEYJ 220 V (22)	B	42.3/42.9
R973	7030003240	S.RES ERJ3GEYJ 220 V (22)	B	29.6/52.6
R974	7030003240	S.RES ERJ3GEYJ 220 V (22)	T	46.3/71.9
R975	7030003240	S.RES ERJ3GEYJ 220 V (22)	T	43.5/71.2
R976	7030003240	S.RES ERJ3GEYJ 220 V (22)	T	46.3/70.5
R977	7030003240	S.RES ERJ3GEYJ 220 V (22)	T	43.5/69.8
R978	7030003240	S.RES ERJ3GEYJ 220 V (22)	T	46.3/69.1
R979	7030003240	S.RES ERJ3GEYJ 220 V (22)	T	43.5/68.4
R980	7030003240	S.RES ERJ3GEYJ 220 V (22)	B	40.5/66.8
R981	7030003240	S.RES ERJ3GEYJ 220 V (22)	B	40.5/65.5
R982	7030003240	S.RES ERJ3GEYJ 220 V (22)	B	40.5/68.0
R983	7030003240	S.RES ERJ3GEYJ 220 V (22)	B	40.5/69.2
R984	7030003240	S.RES ERJ3GEYJ 220 V (22)	B	40.5/70.4
R985	7030003240	S.RES ERJ3GEYJ 220 V (22)	T	46.5/66.4
R986	7030003240	S.RES ERJ3GEYJ 220 V (22)	T	38.1/64.2
R987	7030003240	S.RES ERJ3GEYJ 220 V (22)	T	38.0/63.0
R988	7030003240	S.RES ERJ3GEYJ 220 V (22)	T	38.0/61.8
R989	7030003240	S.RES ERJ3GEYJ 220 V (22)	T	38.0/60.6
R993	7030003280	S.RES ERJ3GEYJ 470 V (47)	T	137.3/146.9
C5	4030011600	S.CER C1608 JB 1E 104K-T	T	138.5/94.9
C7	4030011600	S.CER C1608 JB 1E 104K-T	T	135.0/93.7
C9	4030011600	S.CER C1608 JB 1E 104K-T	B	149.9/112.5
C10	4510009270	S.ELE EEEHB1C220UR	B	38.0/17.5
C12	4030011600	S.CER C1608 JB 1E 104K-T	B	114.0/81.3
C13	4030011600	S.CER C1608 JB 1E 104K-T	B	151.0/103.5
C14	4510009950	S.ELE EEEHC1C470P	B	109.7/79.0
C15	4510009270	S.ELE EEEHB1C220UR	B	145.9/104.0
C16	4030011600	S.CER C1608 JB 1E 104K-T	T	129.9/31.3
C17	4030011600	S.CER C1608 JB 1E 104K-T	T	131.1/31.3
C18	4030011600	S.CER C1608 JB 1E 104K-T	B	136.8/119.7
C19	4030011600	S.CER C1608 JB 1E 104K-T	B	137.0/127.1
C20	4030011600	S.CER C1608 JB 1E 104K-T	B	117.9/30.5
C21	4030011600	S.CER C1608 JB 1E 104K-T	B	24.7/60.5
C22	4030011600	S.CER C1608 JB 1E 104K-T	B	117.9/33.7
C23	4030011600	S.CER C1608 JB 1E 104K-T	B	113.1/36.4
C24	4510009270	S.ELE EEEHB1C220UR	B	132.0/130.7
C25	4030011600	S.CER C1608 JB 1E 104K-T	B	113.1/37.7
C26	4510009270	S.ELE EEEHB1C220UR	B	21.0/57.5
C30	4030011600	S.CER C1608 JB 1E 104K-T	B	100.0/36.7
C31	4510009270	S.ELE EEEHB1C220UR	B	57.5/15.1
C33	4510009270	S.ELE EEEHB1C220UR	B	100.0/22.0
C34	4030011600	S.CER C1608 JB 1E 104K-T	T	143.9/127.2
C35	4030011600	S.CER C1608 JB 1E 104K-T	B	140.6/104.7
C36	4030011600	S.CER C1608 JB 1E 104K-T	B	110.4/36.4
C37	4030011600	S.CER C1608 JB 1E 104K-T	B	110.8/42.3
C38	4030011600	S.CER C1608 JB 1E 104K-T	B	141.7/124.4
C39	4030011600	S.CER C1608 JB 1E 104K-T	B	133.3/114.8
C40	4030011600	S.CER C1608 JB 1E 104K-T	B	89.5/24.3
C42	4030011600	S.CER C1608 JB 1E 104K-T	B	139.4/119.8
C43	4510009950	S.ELE EEEHC1C470P	B	89.5/19.9
C45	4030011600	S.CER C1608 JB 1E 104K-T	B	128.0/100.5
C46	4030011600	S.CER C1608 JB 1E 104K-T	B	142.1/93.4
C47	4030011600	S.CER C1608 JB 1E 104K-T	T	51.0/9.3
C48	4030011600	S.CER C1608 JB 1E 104K-T	T	54.2/7.8
C49	4030011600	S.CER C1608 JB 1E 104K-T	T	50.2/18.7
C50	4030011600	S.CER C1608 JB 1E 104K-T	T	51.1/17.0
C53	4030008890	S.CER C1608 JB 1H 273K-T	T	52.5/12.0
C54	4030011600	S.CER C1608 JB 1E 104K-T	B	63.1/35.3
C55	4030011600	S.CER C1608 JB 1E 104K-T	T	65.2/15.9
C56	4030011600	S.CER C1608 JB 1E 104K-T	T	47.5/31.2
C57	4030011600	S.CER C1608 JB 1E 104K-T	B	37.8/21.5
C58	4030011600	S.CER C1608 JB 1E 104K-T	B	138.3/110.7
C59	4030011600	S.CER C1608 JB 1E 104K-T	B	155.9/101.4
C60	4030011600	S.CER C1608 JB 1E 104K-T	B	107.0/47.7
C61	4030011600	S.CER C1608 JB 1E 104K-T	B	147.4/126.4
C62	4030011600	S.CER C1608 JB 1E 104K-T	B	143.9/115.9
C63	4030011600	S.CER C1608 JB 1E 104K-T	B	124.6/96.5
C64	4030011600	S.CER C1608 JB 1E 104K-T	B	125.8/115.8
C65	4030011600	S.CER C1608 JB 1E 104K-T	B	130.8/104.2
C66	4030011600	S.CER C1608 JB 1E 104K-T	B	148.2/95.0
C67	4030011600	S.CER C1608 JB 1E 104K-T	B	89.5/34.3
C68	4030011600	S.CER C1608 JB 1E 104K-T	T	131.0/94.4
C69	4030011600	S.CER C1608 JB 1E 104K-T	T	141.1/124.1
C170	4030011600	S.CER C1608 JB 1E 104K-T	B	21.5/44.9
C171	4030011600	S.CER C1608 JB 1E 104K-T	B	17.7/35.4
C172	4030011600	S.CER C1608 JB 1E 104K-T	T	38.3/35.5
C173	4030011600	S.CER C1608 JB 1E 104K-T	B	38.9/40.8
C174	4030011600	S.CER C1608 JB 1E 104K-T	B	127.5/36.2
C175	4030011600	S.CER C1608 JB 1E 104K-T	B	127.5/28.9
C176	4030011600	S.CER C1608 JB 1E 104K-T	B	144.5/36.2
C177	4030011600	S.CER C1608 JB 1E 104K-T	B	144.5/30.4
C178	4030011600	S.CER C1608 JB 1E 104K-T	B	144.5/28.6

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

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REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
C179	4510009270	S.ELE EEEHB1C220UR	B	56.0/9.6
C180	4030011600	S.CER C1608 JB 1E 104K-T	B	52.9/7.8
C201	4030011600	S.CER C1608 JB 1E 104K-T	T	29.3/142.2
C202	4030011600	S.CER C1608 JB 1E 104K-T	B	128.8/143.1
C203	4030011600	S.CER C1608 JB 1E 104K-T	T	126.0/146.8
C206	4510008970	S.ELE EEEHB1C100R	B	25.9/147.7
C207	4030011600	S.CER C1608 JB 1E 104K-T	T	36.2/107.7
C208	4030011600	S.CER C1608 JB 1E 104K-T	T	36.2/105.0
C209	4030011600	S.CER C1608 JB 1E 104K-T	T	21.8/107.7
C210	4030006900	S.CER C1608 JB 1H 103K-T	B	118.1/157.1
C211	4030008950	S.CER C2012 JB 1C 823K-T	B	116.5/157.5
C212	4030011600	S.CER C1608 JB 1E 104K-T	T	21.8/105.0
C213	4030011600	S.CER C1608 JB 1E 104K-T	T	36.2/102.2
C214	4030011600	S.CER C1608 JB 1E 104K-T	T	132.1/151.6
C215	4030011600	S.CER C1608 JB 1E 104K-T	B	25.9/150.8
C216	4030011600	S.CER C1608 JB 1E 104K-T	T	125.6/151.8
C217	4030011600	S.CER C1608 JB 1E 104K-T	T	124.3/156.9
C218	4510008970	S.ELE EEEHB1C100R	B	137.2/156.2
C219	4030018980	S.CER C1608 JB 1H 104K-T	B	141.5/161.6
C221	4030018980	S.CER C1608 JB 1H 104K-T	B	137.3/161.6
C222	4030018980	S.CER C1608 JB 1H 104K-T	B	139.3/160.9
C223	4030011600	S.CER C1608 JB 1E 104K-T	T	128.3/157.5
C224	4030011600	S.CER C1608 JB 1E 104K-T	B	158.4/148.2
C225	4030018980	S.CER C1608 JB 1H 104K-T	B	143.5/160.9
C226	4030011600	S.CER C1608 JB 1E 104K-T	B	126.2/160.4
C227	4030011600	S.CER C1608 JB 1E 104K-T	B	124.6/161.7
C228	4030007070	S.CER C1608 CH 1H 330J-T	T	39.3/161.0
C229	4030011600	S.CER C1608 JB 1E 104K-T	B	135.9/152.4
C230	4030011600	S.CER C1608 JB 1E 104K-T	T	42.8/156.6
C231	4030011600	S.CER C1608 JB 1E 104K-T	T	159.7/151.9
C232	4030007070	S.CER C1608 CH 1H 330J-T	T	36.5/161.0
C233	4030011600	S.CER C1608 JB 1E 104K-T	T	32.9/157.2
C234	4030011600	S.CER C1608 JB 1E 104K-T	T	159.0/153.1
C235	4030011600	S.CER C1608 JB 1E 104K-T	T	159.0/154.3
C236	4030011600	S.CER C1608 JB 1E 104K-T	T	27.1/157.4
C239	4030011600	S.CER C1608 JB 1E 104K-T	B	48.7/106.8
C240	4030011600	S.CER C1608 JB 1E 104K-T	B	51.5/106.8
C241	4030011600	S.CER C1608 JB 1E 104K-T	B	55.7/106.8
C242	4030011600	S.CER C1608 JB 1E 104K-T	B	66.0/106.8
C243	4030011600	S.CER C1608 JB 1E 104K-T	B	56.6/117.4
C244	4030011600	S.CER C1608 JB 1E 104K-T	B	51.3/117.2
C245	4030011600	S.CER C1608 JB 1E 104K-T	B	56.6/119.4
C246	4030011600	S.CER C1608 JB 1E 104K-T	B	48.7/135.8
C247	4030011600	S.CER C1608 JB 1E 104K-T	B	51.5/135.8
C248	4030011600	S.CER C1608 JB 1E 104K-T	B	61.2/139.2
C249	4030011600	S.CER C1608 JB 1E 104K-T	B	66.0/135.8
C250	4030011600	S.CER C1608 JB 1E 104K-T	B	55.8/149.0
C251	4030011600	S.CER C1608 JB 1E 104K-T	B	55.8/147.0
C252	4030011600	S.CER C1608 JB 1E 104K-T	T	22.0/119.1
C253	4030011600	S.CER C1608 JB 1E 104K-T	T	51.3/147.0
C254	4030011600	S.CER C1608 JB 1E 104K-T	T	19.0/119.0
C255	4510008970	S.ELE EEEHB1C100R	B	32.4/147.7
C256	4030011600	S.CER C1608 JB 1E 104K-T	T	21.1/124.2
C257	4030011600	S.CER C1608 JB 1E 104K-T	T	22.9/129.6
C258	4510009950	S.ELE EEEHC1C470P	B	55.7/111.0
C259	4030011600	S.CER C1608 JB 1E 104K-T	T	21.1/121.5
C260	4030011600	S.CER C1608 JB 1E 104K-T	T	21.1/126.9
C261	4030011600	S.CER C1608 JB 1E 104K-T	T	21.9/134.9
C262	4030011600	S.CER C1608 JB 1E 104K-T	T	21.6/136.8
C263	4510009950	S.ELE EEEHC1C470P	B	55.7/140.0
C264	4030011600	S.CER C1608 JB 1E 104K-T	T	23.6/132.4
C265	4030011600	S.CER C1608 JB 1E 104K-T	T	86.6/73.8
C266	4030011600	S.CER C1608 JB 1E 104K-T	T	27.7/139.3
C267	4030011600	S.CER C1608 JB 1E 104K-T	T	33.6/132.2
C268	4030011600	S.CER C1608 JB 1E 104K-T	T	26.4/133.0
C269	4030011600	S.CER C1608 JB 1E 104K-T	T	30.2/133.0
C270	4030011600	S.CER C1608 JB 1E 104K-T	T	41.0/138.3
C271	4030011600	S.CER C1608 JB 1E 104K-T	T	36.9/132.7
C272	4030011600	S.CER C1608 JB 1E 104K-T	T	38.9/133.3
C273	4030011600	S.CER C1608 JB 1E 104K-T	T	35.0/132.2
C274	4030011600	S.CER C1608 JB 1E 104K-T	T	35.0/129.5
C275	4030011600	S.CER C1608 JB 1E 104K-T	T	37.6/126.6
C276	4030011600	S.CER C1608 JB 1E 104K-T	T	35.0/126.8
C277	4030011600	S.CER C1608 JB 1E 104K-T	T	35.8/124.8
C278	4030011600	S.CER C1608 JB 1E 104K-T	T	24.6/114.6
C279	4030011600	S.CER C1608 JB 1E 104K-T	T	36.9/122.5
C280	4030011600	S.CER C1608 JB 1E 104K-T	T	34.9/119.1
C281	4030011600	S.CER C1608 JB 1E 104K-T	T	36.9/119.8
C282	4030011600	S.CER C1608 JB 1E 104K-T	T	41.4/116.9
C283	4030011600	S.CER C1608 JB 1E 104K-T	T	33.0/117.1
C284	4030011600	S.CER C1608 JB 1E 104K-T	T	29.8/121.0
C285	4030011600	S.CER C1608 JB 1E 104K-T	T	27.0/121.0
C286	4030011600	S.CER C1608 JB 1E 104K-T	T	23.8/122.1
C287	4030011600	S.CER C1608 JB 1E 104K-T	T	17.9/114.5
C288	4030011600	S.CER C1608 JB 1E 104K-T	T	44.0/150.1
C408	4030011600	S.CER C1608 JB 1E 104K-T	T	82.8/160.2
C410	4030011600	S.CER C1608 JB 1E 104K-T	T	66.0/167.1
C411	4030011600	S.CER C1608 JB 1E 104K-T	T	78.0/160.2
C412	4030011600	S.CER C1608 JB 1E 104K-T	T	84.8/156.3
C413	4030011600	S.CER C1608 JB 1E 104K-T	T	84.8/160.2
C414	4030011600	S.CER C1608 JB 1E 104K-T	T	78.0/156.3
C415	4030011600	S.CER C1608 JB 1E 104K-T	T	82.8/156.3
C417	4030011600	S.CER C1608 JB 1E 104K-T	B	10.8/167.4
C418	4030011600	S.CER C1608 JB 1E 104K-T	B	37.8/167.4
C419	4030011600	S.CER C1608 JB 1E 104K-T	B	24.2/167.4
C420	4030011600	S.CER C1608 JB 1E 104K-T	B	51.2/167.4
C422	4510009270	S.ELE EEEHB1C220UR	B	85.0/174.2
C423	4030011600	S.CER C1608 JB 1E 104K-T	T	78.3/163.2
C426	4030011600	S.CER C1608 JB 1E 104K-T	T	80.3/164.1
C428	4030011600	S.CER C1608 JB 1E 104K-T	T	85.0/163.9
C429	4030011600	S.CER C1608 JB 1E 104K-T	T	91.5/164.3
C430	4010008500	CER DEBB33D102KA2B (DE0805B102K)		
C431	4010008500	CER DEBB33D102KA2B (DE0805B102K)		

[MAIN UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
C432	4030011600	S.CER C1608 JB 1E 104K-T	T	46.7/182.7
C433	4030011600	S.CER C1608 JB 1E 104K-T	T	19.7/182.7
C434	4030011600	S.CER C1608 JB 1E 104K-T	T	83.5/164.7
C435	4030011600	S.CER C1608 JB 1E 104K-T	B	71.8/167.4
C436	4030011600	S.CER C1608 JB 1E 104K-T	B	90.5/176.6
C437	4030011600	S.CER C1608 JB 1E 104K-T	T	89.9/163.0
C438	4030011600	S.CER C1608 JB 1E 104K-T	T	93.5/163.6
C439	4030011600	S.CER C1608 JB 1E 104K-T	T	93.9/161.5
C440	4030011600	S.CER C1608 JB 1E 104K-T	T	93.9/158.5
C441	4030011600	S.CER C1608 JB 1E 104K-T	T	93.9/154.0
C442	4030011600	S.CER C1608 JB 1E 104K-T	B	79.5/176.6
C443	4030011600	S.CER C1608 JB 1E 104K-T	B	102.3/164.9
C444	4030011600	S.CER C1608 JB 1E 104K-T	T	78.1/152.9
C445	4030011600	S.CER C1608 JB 1E 104K-T	T	91.5/153.0
C447	4030011600	S.CER C1608 JB 1E 104K-T	T	76.0/154.4
C448	4030011600	S.CER C1608 JB 1E 104K-T	T	83.5/153.0
C449	4030011600	S.CER C1608 JB 1E 104K-T	T	76.0/156.6
C450	4510009270	S.ELE EEEHB1C220UR	B	73.7/142.7
C453	4030011600	S.CER C1608 JB 1E 104K-T	T	76.0/160.2
C456	4010008500	CER DEBB33D102KA2B (DE0805B102K)		
C457	4010008500	CER DEBB33D102KA2B (DE0805B102K)		
C458	4030011600	S.CER C1608 JB 1E 104K-T	T	20.3/175.1
C459	4030011600	S.CER C1608 JB 1E 104K-T	T	100.7/182.7
C460	4030011600	S.CER C1608 JB 1E 104K-T	T	47.3/175.1
C461	4030011600	S.CER C1608 JB 1E 104K-T	T	73.7/182.7
C462	4030011600	S.CER C1608 JB 1E 104K-T	T	74.3/175.1
C463	4030011600	S.CER C1608 JB 1E 104K-T	T	101.3/175.1
C464	4510009950	S.ELE EEEHC1C470P	B	56.0/172.7
C465	4030011600	S.CER C1608 JB 1E 104K-T	B	51.8/176.0
C466	4030011600	S.CER C1608 JB 1E 104K-T	B	75.0/146.3
C467	4030011600	S.CER C1608 JB 1E 104K-T	B	82.2/170.6
C501	4030011600	S.CER C1608 JB 1E 104K-T	B	60.0/161.5
C502	4030011600	S.CER C1608 JB 1E 104K-T	T	133.3/116.8
C503	4030011600	S.CER C1608 JB 1E 104K-T	T	129.5/118.7
C504	4030011600	S.CER C1608 JB 1E 104K-T	T	137.4/123.8
C505	4030011600	S.CER C1608 JB 1E 104K-T	T	127.6/124.2
C611	4510008970	S.ELE EEEHB1C100R	B	87.7/62.3
C612	4030011600	S.CER C1608 JB 1E 104K-T	T	44.7/74.9
C700	4510008970	S.ELE EEEHB1C100R	B	135.4/57.5
C701	4030011600	S.CER C1608 JB 1E 104K-T	B	144.0/67.9
C702	4030011600	S.CER C1608 JB 1E 104K-T	B	144.0/73.5
C703	4030011600	S.CER C1608 JB 1E 104K-T	B	144.0/81.5
C704	4030011600	S.CER C1608 JB 1E 104K-T	B	127.5/81.5
C705	4030011600	S.CER C1608 JB 1E 104K-T	B	127.5/73.5
C706	4030011600	S.CER C1608 JB 1E 104K-T	B	127.5/67.9
C707	4030011600	S.CER C1608 JB 1E 104K-T	B	140.8/60.0
C708	4030011600	S.CER C1608 JB 1E 104K-T	B	14.4/56.5
C709	4510008970	S.ELE EEEHB1C100R	B	168.8/40.0
C710	4030011600	S.CER C1608 JB 1E 104K-T	B	125.6/56.9
C711	4030011600	S.CER C1608 JB 1E 104K-T	B	165.0/44.5
C712	4030011600	S.CER C1608 JB 1E 104K-T	B	153.3/43.3
C713	4510009950	S.ELE EEEHC1C470P	B	95.5/62.1
C714	4030011600	S.CER C1608 JB 1E 104K-T	T	86.0/65.1
C715	4030011600	S.CER C1608 JB 1E 104K-T	T	86.0/66.3
C716	4030011600	S.CER C1608 JB 1E 104K-T	B	91.3/63.3
C717	4030011600	S.CER C1608 JB 1E 104K-T	B	13.5/60.1
C752	4030018980	S.CER C1608 JB 1H 104K-T	T	164.6/82.2
C753	4030018980	S.CER C1608 JB 1H 104K-T	T	156.0/100.5
C772	4030018980	S.CER C1608 JB 1H 104K-T	T	163.4/81.2
C773	4030018980	S.CER C1608 JB 1H 104K-T	T	156.0/94.5
C800	4030011600	S.CER C1608 JB 1E 104K-T	B	31.6/150.8
C801	4030011600	S.CER C1608 JB 1E 104K-T	B	151.3/143.1
C802	4030011600	S.CER C1608 JB 1E 104K-T	T	148.5/146.8
C803	4030007040	S.CER C1608 CH 1H 180J-T	B	135.4/147.5
C804	4030007060	S.CER C1608 CH 1H 270J-T	B	140.0/149.5
C805	4510008970	S.ELE EEEHB1C100R	B	80.9/142.7
C806	4030011600	S.CER C1608 JB 1E 104K-T	T	86.2/99.7
C807	4030011600	S.CER C1608 JB 1E 104K-T	T	86.2/97.0
C808	4030011600	S.CER C1608 JB 1E 104K-T	T	71.8/98.2
C809	4030006900	S.CER C1608 JB 1H 103K-T	B	141.1/155.8
C810	4030008950	S.CER C2012 JB 1C 823K-T	B	138.7/152.3
C811	4030011600	S.CER C1608 JB 1E 104K-T	T	70.5/93.6
C812	4030011600	S.CER C1608 JB 1E 104K-T	T	86.2/94.3
C813	4030011600	S.CER C1608 JB 1E 104K-T	T	154.6/151.6
C815	4030011600	S.CER C1608 JB 1E 104K-T	T	148.1/151.9
C816	4030011600	S.CER C1608 JB 1E 104K-T	T	146.8/156.9
C817	4510008970	S.ELE EEEHB1C100R	B	160.2/152.0
C818	4030011600	S.CER C1608 JB 1E 104K-T	B	150.0/163.6
C820	4030011600	S.CER C1608 JB 1E 104K-T	B	145.8/163.6
C821	4030011600	S.CER C1608 JB 1E 104K-T	B	147.8/162.9
C822	4030011600	S.CER C1608 JB 1E 104K-T	T	150.8/157.5
C824	4030011600	S.CER C1608 JB 1E 104K-T	B	152.0/162.9
C825	4030011600	S.CER C1608 JB 1E 104K-T	B	148.7/160.4
C826	4030011600	S.CER C1608 JB 1E 104K-T	B	148.7/161.6
C828	4030011600	S.CER C1608 JB 1E 104K-T	B	103.7/127.8
C829	4030011600	S.CER C1608 JB 1E 104K-T	B	106.5/127.8
C830	4030011600	S.CER C1608 JB 1E 104K-T	B	110.7/127.8
C831	4030011600	S.CER C1608 JB 1E 104K-T	B	120.7/127.8
C832	4030011600	S.CER C1608 JB 1E 104K-T	B	110.7/138.9
C833	4030011600	S.CER C1608 JB 1E 104K-T	B	103.7/98.8
C834	4030011600	S.CER C1608 JB 1E 104K-T	B	106.5/98.8
C835	4030011600	S.CER C1608 JB 1E 104K-T	B	110.7/98.8
C836	4030011600	S.CER C1608 JB 1E 104K-T	T	122.9/95.0
C837	4030011600	S.CER C1608 JB 1E 104K-T	B	110.7/109.3
C838	4030011600	S.CER C1608 JB 1E 104K-T	B	110.7/111.4
C839	4030011600	S.CER C1608 JB 1E 104K-T	B	106.3/109.2
C840	4510008970	S.ELE EEEHB1C100R	B	87.4/142.7
C841	4030011600	S.CER C1608 JB 1E 104K-T	T	72.9/109.5
C842	4030011600	S.CER C1608 JB 1E 104K-T	T	74.1/114.0
C843	4030011600	S.CER C1608 JB 1E 104K-T	T	77.3/114.1
C844	4030011600	S.CER C1608 JB 1E 104K-T	T	82.0/116.0
C845	4030011600	S.CER C1608 JB 1E 104K-T	T	78.8/117.1
C846	4030011600	S.CER C1608 JB 1E 104K-T	B	110.8/141.1

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

[MAIN UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
C847	4030011600	S.CER C1608 JB 1E 104K-T	T	85.5/116.0
C848	4030011600	S.CER C1608 JB 1E 104K-T	T	96.4/111.9
C849	4030011600	S.CER C1608 JB 1E 104K-T	T	89.9/114.1
C850	4030011600	S.CER C1608 JB 1E 104K-T	T	76.1/119.2
C851	4030011600	S.CER C1608 JB 1E 104K-T	B	106.3/139.0
C852	4030011600	S.CER C1608 JB 1E 104K-T	T	91.9/114.8
C853	4030011600	S.CER C1608 JB 1E 104K-T	T	78.0/124.6
C854	4030011600	S.CER C1608 JB 1E 104K-T	T	76.1/116.5
C855	4030011600	S.CER C1608 JB 1E 104K-T	T	76.9/129.8
C856	4510009950	S.ELE EEEHC1C470P	B	110.7/103.4
C857	4030011600	S.CER C1608 JB 1E 104K-T	T	76.1/121.9
C858	4030011600	S.CER C1608 JB 1E 104K-T	T	76.7/131.9
C859	4030011600	S.CER C1608 JB 1E 104K-T	T	78.6/127.3
C860	4030011600	S.CER C1608 JB 1E 104K-T	T	91.9/117.5
C861	4510009950	S.ELE EEEHC1C470P	B	115.6/132.0
C862	4030011600	S.CER C1608 JB 1E 104K-T	T	81.6/128.1
C863	4030011600	S.CER C1608 JB 1E 104K-T	T	92.6/121.6
C864	4030011600	S.CER C1608 JB 1E 104K-T	T	85.2/128.1
C865	4030011600	S.CER C1608 JB 1E 104K-T	T	90.0/124.5
C866	4030011600	S.CER C1608 JB 1E 104K-T	T	90.0/121.8
C867	4030011600	S.CER C1608 JB 1E 104K-T	T	91.9/127.8
C868	4030011600	S.CER C1608 JB 1E 104K-T	T	90.0/127.2
C869	4030011600	S.CER C1608 JB 1E 104K-T	T	95.6/133.3
C870	4030011600	S.CER C1608 JB 1E 104K-T	T	93.9/127.9
C871	4030011600	S.CER C1608 JB 1E 104K-T	T	90.3/129.9
C872	4030011600	S.CER C1608 JB 1E 104K-T	T	84.3/133.4
C873	4030011600	S.CER C1608 JB 1E 104K-T	T	82.2/134.4
C874	4030011600	S.CER C1608 JB 1E 104K-T	T	88.9/112.1
C875	4030011600	S.CER C1608 JB 1E 104K-T	T	91.1/119.8
C876	4030011600	S.CER C1608 JB 1E 104K-T	T	79.6/109.6
C877	4030011600	S.CER C1608 JB 1E 104K-T	T	84.2/114.0
C901	4030011600	S.CER C1608 JB 1E 104K-T	T	67.0/72.0
C902	4030011600	S.CER C1608 JB 1E 104K-T	T	69.0/70.0
C903	4030011600	S.CER C1608 JB 1E 104K-T	T	67.0/67.5
C904	4030011600	S.CER C1608 JB 1E 104K-T	T	65.6/70.0
C905	4030011600	S.CER C1608 JB 1E 104K-T	T	78.7/75.8
C906	4030011600	S.CER C1608 JB 1E 104K-T	T	79.7/68.7
C907	4030011600	S.CER C1608 JB 1E 104K-T	T	78.1/65.0
C908	4030011600	S.CER C1608 JB 1E 104K-T	T	72.2/59.5
C911	4030011600	S.CER C1608 JB 1E 104K-T	T	69.0/62.4
C912	4030011600	S.CER C1608 JB 1E 104K-T	T	66.0/61.4
C913	4030011600	S.CER C1608 JB 1E 104K-T	T	61.0/62.2
C914	4030011600	S.CER C1608 JB 1E 104K-T	T	54.9/65.0
C915	4030011600	S.CER C1608 JB 1E 104K-T	T	54.4/71.5
C916	4030011600	S.CER C1608 JB 1E 104K-T	T	57.3/75.9
C917	4030011600	S.CER C1608 JB 1E 104K-T	T	61.0/77.6
C918	4030011600	S.CER C1608 JB 1E 104K-T	T	71.1/80.5
C919	4030011600	S.CER C1608 JB 1E 104K-T	T	64.8/67.2
C920	4030011600	S.CER C1608 JB 1E 104K-T	T	70.0/67.4
C921	4510009270	S.ELE EEEHB1C220UR	B	85.4/74.3
C931	4030011600	S.CER C1608 JB 1E 104K-T	T	8.3/74.6
C932	4030011600	S.CER C1608 JB 1E 104K-T	T	24.8/75.1
C933	4030011600	S.CER C1608 JB 1E 104K-T	T	27.1/75.0
C934	4030011600	S.CER C1608 JB 1E 104K-T	T	42.7/74.7
RL1	6330001560	S.REL ATQ206SA	B	98.5/78.1
J1	6510023092	S.CON 20FLT-SM2-TB(LF)(SN)(M)	T	134.5/98.0
J2	6510023512	S.CON 28FLT-SM2-TB(LF)(SN)(M)	T	154.5/118.5
J4	6510022031	S.CON B10B-ZR-SM4-TF(LF)(SN)	T	77.5/27.9
J101	6510026980	S.CON IMSA-9980S-80Y901	B	29.5/34.1
J102	6510026980	S.CON IMSA-9980S-80Y901	B	135.7/29.9
J201	6510022022	S.CON 14FLT-SM2-TB(LF)(SN)(M)	T	150.5/165.5
J401	6510023092	S.CON 20FLT-SM2-TB(LF)(SN)(M)	T	133.1/139.5
J402	6510026950	CON TM11R-5M2-88		
J403	6510026950	CON TM11R-5M2-88		
J404	6510026950	CON TM11R-5M2-88		
J405	6510026950	CON TM11R-5M2-88		
J406	6910014251	CON IMSA-9202B-2-06Z041-PT1		
J407	6910014251	CON IMSA-9202B-2-06Z041-PT1		
J603	6510023092	S.CON 20FLT-SM2-TB(LF)(SN)(M)	T	26.6/96.0
J604	6510023092	S.CON 20FLT-SM2-TB(LF)(SN)(M)	T	59.1/96.0
J700	6510026980	S.CON IMSA-9980S-80Y901	B	135.7/75.7
J702	6510027330	S.CON ICM-MA50H-SS52-1141(LF)(SN)	T	95.9/65.6
J703	6510022311	S.CON B5B-PH-SM4-TB(LF)(SN)	T	152.5/

[MAIN UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
EP2	0800011350	E.O TS512MCF100I <TSI>		
EP201	6910013370	S.BEA BLM18BB221SN1D	T	28.5/114.6
		(BLM11B221SB)	T	92.8/166.3
EP401	6910013310	S.BEA MMZ1608D121B		
EP402	6910013370	S.BEA BLM18BB221SN1D	T	13.4/182.7
		(BLM11B221SB)	T	40.3/182.7
EP403	6910013370	S.BEA BLM18BB221SN1D	T	40.3/182.7
		(BLM11B221SB)	T	67.0/182.7
EP404	6910013370	S.BEA BLM18BB221SN1D	T	67.0/182.7
		(BLM11B221SB)	T	107.0/171.8
EP405	6910013370	S.BEA BLM18BB221SN1D	T	107.0/171.8
		(BLM11B221SB)	T	75.2/158.5
EP406	6910013310	S.BEA MMZ1608D121B		
EP800	6910013370	S.BEA BLM18BB221SN1D	T	83.5/109.6
		(BLM11B221SB)		

[JUNCTION-A UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
R1	7030003580	S.RES ERJ3GEYJ 153 V (15K)	B	16.9/5.9
R2	7030003580	S.RES ERJ3GEYJ 153 V (15K)	B	13.5/5.9
J1	6510026720	S.CON FX8-100S-SV(23)	B	20.0/12.0
J2	6510026990	S.CON IMSA-9980B-80Y901	T	20.0/12.0

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

[JUNCTION-C UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
R27	7030003680	S.RES ERJ3GEYJ 104 V (100K)	T	17.4/32.9
R28	7030003680	S.RES ERJ3GEYJ 104 V (100K)	T	11.9/34.8
R29	7030003680	S.RES ERJ3GEYJ 104 V (100K)	T	10.4/33.5
R30	7030003680	S.RES ERJ3GEYJ 104 V (100K)	T	7.6/33.1
J1	6510026720	S.CON FX8-100S-SV(23)	B	20.0/12.0
J2	6510026990	S.CON IMSA-9980B-80Y901	T	20.0/12.0

[JUNCTION-D UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
J2	6510026990	S.CON IMSA-9980B-80Y901	T	20.0/12.0

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

[REG UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
IC1	1170000352	S.IC PC357N6J000F	T	95.0/12.4
IC2	1170000352	S.IC PC357N6J000F	T	90.9/12.4
IC3	1170000352	S.IC PC357N6J000F	B	151.5/108.0
IC4	1110002861	S.IC TA75S393F (TE85RF)	B	157.0/108.0
IC5	1110003071	S.IC UPC494GS-E1-A	T	13.5/27.3
IC6	1110001821	S.IC UPC1093T-E1-AZ	B	114.5/45.5
IC7	1170000352	S.IC PC357N6J000F	B	147.4/123.7
IC105	1110003071	S.IC UPC494GS-E1-A	T	86.1/74.0
IC106	1110001821	S.IC UPC1093T-E1-AZ	T	163.3/69.8
IC107	1170000352	S.IC PC357N6J000F	T	163.3/74.8
IC201	1180003620	S.REG LM2679SD-5.0	T	119.5/15.5
IC221	1180002990	S.REG BD9781HFP-TR	T	139.1/14.6
IC241	1180002990	S.REG BD9781HFP-TR	T	150.9/23.7
Q1	1520000651	S.TRA 2SB1201S-TL-E	T	28.0/44.7
Q2	1530003900	S.TRA KTC4075 BL-RTK/P	T	40.2/42.6
Q3	1530003900	S.TRA KTC4075 BL-RTK/P	T	40.2/48.0
Q4	1530003900	S.TRA KTC4075 BL-RTK/P	T	96.7/19.1
Q5	1520000651	S.TRA 2SB1201S-TL-E	T	35.0/44.7
Q6	1590003670	S.TRA KRA304-RTK/P	T	17.7/35.1
Q9	1590003680	S.TRA KRC402 RTK/P	T	87.3/15.7
Q10	1590003680	S.TRA KRC402 RTK/P	T	87.3/13.2
Q11	1540000550	S.TRA 2SD1664 T100Q	T	20.5/21.8
Eqv.	1540000770	S.TRA 2SD1664L-Q-AB3-R <SLVJ>	T	26.1/20.4
Q12	1520000460	S.TRA 2SB1132 T100 R	T	
Eqv.	1520000910	S.TRA 2SB1132L-R-AB3-R <SLVJ>	T	
Q13	1560001670	FET 2SK2882(F)	T	
Q14	1540000550	S.TRA 2SD1664 T100Q	T	6.1/17.6
Eqv.	1540000770	S.TRA 2SD1664L-Q-AB3-R <SLVJ>	T	
Q15	1520000460	S.TRA 2SB1132 T100 R	T	12.1/19.3
Eqv.	1520000910	S.TRA 2SB1132L-R-AB3-R <SLVJ>	T	
Q16	1560001670	FET 2SK2882(F)	T	
Q106	1590003670	S.TRA KRA304-RTK/P	T	77.3/77.0
Q111	1540000550	S.TRA 2SD1664 T100Q	T	79.8/66.0
Eqv.	1540000770	S.TRA 2SD1664L-Q-AB3-R <SLVJ>	T	
Q112	1520000460	S.TRA 2SB1132 T100 R	T	85.9/65.9
Eqv.	1520000910	S.TRA 2SB1132L-R-AB3-R <SLVJ>	T	
Q113	1560001740	FET TK40A10K3(Q)	T	
Q114	1540000550	S.TRA 2SD1664 T100Q	T	93.3/72.3
Eqv.	1540000770	S.TRA 2SD1664L-Q-AB3-R <SLVJ>	T	
Q115	1520000460	S.TRA 2SB1132 T100 R	T	98.7/72.6
Eqv.	1520000910	S.TRA 2SB1132L-R-AB3-R <SLVJ>	T	
Q116	1560001740	FET TK40A10K3(Q)	T	
Q261	1510000501	S.TRA 2SA1162-GR(TE85RF)	T	104.6/14.0
Q262	1590003680	S.TRA KRC402 RTK/P	T	101.8/7.9
D1	1790000700	DIO DSA3A1	T	
D2	1750002080	S.ZEN DZZJ360M0L	T	97.3/24.4
D3	1750001320	S.DIO KDS4148U RTK/P	T	40.8/39.3
D4	1730002830	S.ZEN DZZJ051M0L	T	40.8/35.8
D6	1790001730	DIO FMG-26R	T	
D7	1790001720	DIO FMG-26S	T	
D106	1790001730	DIO FMG-26R	T	
D107	1790001720	DIO FMG-26S	T	
D201	1750001350	S.DIO CLS02(TE16LQ)	T	117.6/23.6
D221	1750001350	S.DIO CLS02(TE16LQ)	T	138.0/25.9
D241	1750000560	S.DIO RB050L-40 TE-25	T	153.7/34.1
D261	1750001320	S.DIO KDS4148U RTK/P	T	101.1/13.6
L1	6190001470	COI FK-130G-1020	T	
L2	6200006190	S.COI BLM21PG300SN1D (BLM21P300S)	T	30.0/16.4
L3	6200006190	S.COI BLM21PG300SN1D (BLM21P300S)	T	10.4/15.9
L4	6190001460	COI HK-14S080-4010	T	
L101	6190001470	COI FK-130G-1020	T	
L102	6200006190	S.COI BLM21PG300SN1D (BLM21P300S)	T	90.6/64.4
L103	6200006190	S.COI BLM21PG300SN1D (BLM21P300S)	T	101.0/69.2
L104	6190001460	COI HK-14S080-4010	T	
L201	6190001980	COI HK-10S100-4500	T	
L221	6190002040	S.COI SLF12575T-220M4R0-PF	T	142.3/44.6
L241	6190002040	S.COI SLF12575T-220M4R0-PF	T	157.2/44.6
R1	7540000340	ABS ERZV05D560	T	
R3	7030003730	S.RES ERJ3GEYJ 274 V (270K)	T	40.3/46.1
R4	7030000070	S.RES MCR10EZHZJ 2.7 (2R7)	T	27.8/49.7
R5	7030000070	S.RES MCR10EZHZJ 2.7 (2R7)	T	34.8/49.7
R6	7030003610	S.RES ERJ3GEYJ 273 V (27K)	T	23.8/45.9
R7	7030003610	S.RES ERJ3GEYJ 273 V (27K)	B	23.1/18.5
R8	7030003560	S.RES ERJ3GEYJ 103 V (10K)	B	16.1/18.5
R9	7030003440	S.RES ERJ3GEYJ 102 V (1K)	B	13.4/18.5
R10	7030003560	S.RES ERJ3GEYJ 103 V (10K)	B	9.4/18.5
R11	7030003560	S.RES ERJ3GEYJ 103 V (10K)	B	6.5/18.5
R12	7030003360	S.RES ERJ3GEYJ 221 V (220)	B	34.3/5.5
R13	7030003360	S.RES ERJ3GEYJ 221 V (220)	B	33.1/5.5
R14	7030003570	S.RES ERJ3GEYJ 123 V (12K)	B	31.9/5.5
R21	7030010320	S.RES ERJ3GEYF 153 V (15K)	B	10.5/5.5
R22	7030010320	S.RES ERJ3GEYF 153 V (15K)	B	9.3/5.5
R23	7030004840	S.RES ERJ3GEYF 563 V (56K)	B	8.1/5.5
R24	7030010310	S.RES ERJ3GEYF 223 V (22K)	B	6.9/5.5
R25	7030004870	S.RES ERJ3GEYF 224 V (220K)	B	5.7/5.5
R26	7030003650	S.RES ERJ3GEYJ 563 V (56K)	B	2.1/5.5
R27	7030003490	S.RES ERJ3GEYJ 272 V (2.7K)	B	18.8/18.5
R28	7030003560	S.RES ERJ3GEYJ 103 V (10K)	B	10.7/18.5
R29	7030003560	S.RES ERJ3GEYJ 103 V (10K)	B	3.3/5.5
R30	7030003530	S.RES ERJ3GEYJ 562 V (5.6K)	B	4.5/5.5
R31	7030003600	S.RES ERJ3GEYJ 223 V (22K)	T	8.0/29.1
R32	7030003550	S.RES ERJ3GEYJ 822 V (8.2K)	T	8.0/24.6
R41	7030000380	S.RES MCR10EZHZJ 1 K (102)	T	26.5/17.0

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

[REG UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
R42	7030000410	S.RES MCR10EZHZJ 1.8K (182)	T	31.7/19.2
R43	7030000380	S.RES MCR10EZHZJ 1 K (102)	T	5.0/21.0
R44	7030000410	S.RES MCR10EZHZJ 1.8K (182)	T	16.2/18.2
R45	7070000531	RES ERG2SJ 330 (33)	T	
R46	7030010310	S.RES ERJ3GEYF 223 V (22K)	T	74.1/13.5
R47	7030007220	S.RES ERA3YED 202V (2K)	T	71.1/12.2
R48	7030001750	S.RES MCR18EZHZJ 4.7K	T	72.5/21.1
R49	7030003440	S.RES ERJ3GEYJ 102 V (1K)	T	67.8/13.5
R126	7030003650	S.RES ERJ3GEYJ 563 V (56K)	T	77.4/75.1
R127	7030003490	S.RES ERJ3GEYJ 272 V (2.7K)	T	77.3/73.0
R128	7030003560	S.RES ERJ3GEYJ 103 V (10K)	T	79.8/79.8
R129	7030003560	S.RES ERJ3GEYJ 103 V (10K)	T	85.3/80.2
R130	7030003530	S.RES ERJ3GEYJ 562 V (5.6K)	T	79.8/78.5
R131	7030003600	S.RES ERJ3GEYJ 223 V (22K)	T	80.6/76.5
R132	7030003550	S.RES ERJ3GEYJ 822 V (8.2K)	T	78.9/72.8
R141	7030000380	S.RES MCR10EZHZJ 1 K (102)	T	75.3/67.5
R142	7030000410	S.RES MCR10EZHZJ 1.8K (182)	T	91.5/67.1
R143	7030000380	S.RES MCR10EZHZJ 1 K (102)	T	97.5/69.2
R144	7030000410	S.RES MCR10EZHZJ 1.8K (182)	T	100.6/76.1
R145	7070000531	RES ERG2SJ 330 (33)	T	
R146	7030010310	S.RES ERJ3GEYF 223 V (22K)	T	157.0/68.3
R147	7030007220	S.RES ERA3YED 202V (2K)	T	159.1/69.7
R148	7030001570	S.RES MCR18EZHZJ 4.7K	T	156.1/71.6
R149	7030003440	S.RES ERJ3GEYJ 102 V (1K)	T	159.1/72.3
R211	7030003530	S.RES ERJ3GEYJ 562 V (5.6K)	T	115.8/13.2
R212	7030003620	S.RES ERJ3GEYJ 333 V (33K)	T	113.9/20.2
R213	7030003530	S.RES ERJ3GEYJ 562 V (5.6K)	T	114.6/12.4
R221	7030003700	S.RES ERJ3GEYJ 154 V (150K)	T	139.7/21.7
R222	7030003720	S.RES ERJ3GEYJ 224 V (220K)	T	136.3/22.4
R223	7030005250	S.RES ERJ3GEYF 103 V (10K)	T	135.0/22.4
R224	7030006561	S.RES ERA3YED 223V (22K)	T	133.0/20.3
R225	7030007230	S.RES ERA3YED 102V (1K)	T	132.3/22.4
R241	7030003700	S.RES ERJ3GEYJ 154 V (150K)	T	151.4/30.6
R242	7030003560	S.RES ERJ3GEYJ 103 V (10K)	T	147.6/31.4
R243	7030005250	S.RES ERJ3GEYF 103 V (10K)	T	145.0/29.3
R244	7030007230	S.RES ERA3YED 102V (1K)	T	145.0/31.4
R245	7030007230	S.RES ERA3YED 102V (1K)	T	145.7/33.4
R260	7030003410	S.RES ERJ3GEYJ 561 V (560)	T	102.2/15.3
R261	7030003860	S.RES ERJ3GE JPW V	T	107.0/15.7
R262	7030003640	S.RES ERJ3GEYJ 473 V (47K)	T	107.0/12.9
R263	7030003440	S.RES ERJ3GEYJ 102 V (1K)	T	104.9/11.6
C1	4510005680	ELE 50 ME 470 HC	T	
C2	4030004740	S.CER C2012 JB 1H 472K-T	T	34.2/89.1
C3	4030004740	S.CER C2012 JB 1H 472K-T	T	32.1/56.7
C4	4510007360	ELE 50 ME 1000 AX	T	
C5	4030004740	S.CER C2012 JB 1H 472K-T	T	16.8/56.7
C6	4030004740	S.CER C2012 JB 1H 472K-T	T	27.9/56.7
C8	4030011600	S.CER C1608 JB 1E 104K-T	T	39.2/37.1
C10	4510009290	S.ELE EEEHB1H1R0R	T	93.8/29.8
C11	4510009290	S.ELE EEEHB1H1R0R	T	98.6/29.8
C12	4030006900	S.CER C1608 JB 1H 103K-T	T	20.9/35.2
C13	4510009780	S.ELE EEEHB1V220P	T	19.5/40.8
C14	4550003250	S.TAN TEESVA 1V 474M8R	T	19.8/31.2
Eqv.	4550007590	S.TAN F931V474MAABMA	T	
C15	4030006900	S.CER C1608 JB 1H 103K-T	T	15.5/35.5
C16	4510009950	S.ELE EEEHC1C470P	T	3.8/29.6
C17	4030006860	S.CER C1608 JB 1H 102K-T	T	6.7/24.6
C18	4030011600	S.CER C1608 JB 1E 104K-T	T	19.4/27.9
C19	4510009950	S.ELE EEEHC1C470P	T	4.5/37.4
C21	4030006900	S.CER C1608 JB 1H 103K-T	T	20.2/25.8
C22	4030006900	S.CER C1608 JB 1H 103K-T	T	4.8/22.6
C23	4510007360	ELE 50 ME 1000 AX	T	
C25	4010008490	CER DEA1X3D471JA3B (DE1407SL471J)	T	
C26	4510007351	ELE 35 ME 1000 AX	T	
C27	4030006900	S.CER C1608 JB 1H 103K-T	T	71.1/13.5
C103	4030004740	S.CER C2012 JB 1H 472K-T	T	60.3/81.0
C104	4510007360	ELE 50 ME 1000 AX	T	
C105	4030004740	S.CER C2012 JB 1H 472K-T	T	59.3/78.3
C106	4030004740	S.CER C2012 JB 1H 472K-T	T	61.2/78.3
C107	4510010151	ELE 50 NXA 47 MEFC 8X11.5	T	
C108	4510010151	ELE 50 NXA 47 MEFC 8X11.5	T	
C112	4030006900	S.CER C1608 JB 1H 103K-T	T	76.3/93.9
C113	4510009780	S.ELE EEEHB1V220P	T	76.1/99.1
C116	4510009950	S.ELE EEEHC1C470P	T	81.8/84.3
C117	4030017810	S.CER C1608 CH 1H 102J-T	T	80.2/73.0
C118	4030011600	S.CER C1608 JB 1E 104K-T	T	91.4/76.4
C119	4510009950	S.ELE EEEHC1C470P	T	83.0/91.5
C121	4030006900	S.CER C1608 JB 1H 103K-T	T	79.9/70.2
C122	4030006900	S.CER C1608 JB 1H 103K-T	T	94.1/76.2
C123	4510007360	ELE 50 ME 1000 AX	T	
C125	4010008490	CER DEA1X3D471JA3B (DE1407SL471J)	T	
C126	4510007351	ELE 35 ME 1000 AX	T	
C127	4030006900	S.CER C1608 JB 1H 103K-T	T	159.1/71.0
C201	4510007351	ELE 35 ME 1000 AX	T	
C202	4030018980	S.CER C1608 JB 1H 104K-T	T	117.2/19.5
C205	4510010010	S.ELE 25 CE 220 LX	T	103.4/22.0
C207	4030018970	S.CER C3225 JB 1C 226MT-N	T	110.2/24.5
C208	4030018970	S.CER C3225 JB 1C 226MT-N	T	110.2/21.5
C211	4030004750	S.CER C2012 JB 1H 103K-T	T	114.5/16.5
C213	4030006960	S.CER C1608 CH 1H 050C-T	T	113.9/18.9
C221	4510010100	ELE 35 ME 220 WXS	T	
C222	4030016990	S.CER GRM32RFR1H105KA01L (GRM42-2 R)	T	145.6/14.9

[REG UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
C242	4030016990	S.CER GRM32RR11H105KA01L (GRM42-2 R)	T	157.4/24.7
C243	4030018980	S.CER C1608 JB 1H 104K-T	T	150.9/31.9
C244	4030006900	S.CER C1608 JB 1H 103K-T	T	148.9/31.4
C245	4510007340	ELE 16 ME 470 AX		
C246	4030011600	S.CER C1608 JB 1E 104K-T	T	165.6/39.6
C247	4030018970	S.CER C3225 JB 1C 226MT-N	T	164.0/34.3
C271	4030006900	S.CER C1608 JB 1H 103K-T	T	133.9/5.5
C272	4030006900	S.CER C1608 JB 1H 103K-T	T	141.4/5.5
C273	4030006900	S.CER C1608 JB 1H 103K-T	T	150.0/5.5
C274	4030006900	S.CER C1608 JB 1H 103K-T	T	153.0/5.5
C281	4030006900	S.CER C1608 JB 1H 103K-T	T	95.8/5.5
C282	4030006900	S.CER C1608 JB 1H 103K-T	T	98.7/5.5
C291	4030006900	S.CER C1608 JB 1H 103K-T	T	117.6/5.5
C292	4030006900	S.CER C1608 JB 1H 103K-T	T	120.4/5.5
J1	6510011451	CON B5P-VH(LF)(SN)		
T1	5910000890	TRA TO-49		
T101	5910000890	TRA TO-49		
W1	8900018370	CAB OPC-1923		
W2	8900018390	CAB OPC-1925		
W3	8900018400	CAB OPC-1926		

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

[FILTER UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
FI1	2040001440	S.LC NFE31PT152Z1E9L (NFM60R20T152)	T	12.9/32.6
FI2	2040001440	S.LC NFE31PT152Z1E9L (NFM60R20T152)	T	12.9/28.4
FI3	2040001440	S.LC NFE31PT152Z1E9L (NFM60R20T152)	T	12.9/25.1
FI4	2040001440	S.LC NFE31PT152Z1E9L (NFM60R20T152)	T	12.9/21.9
C1	4510007330	ELE 50 ME 33HWN		
C2	4030018980	S.CER C1608 JB 1H 104K-T	T	16.1/2.8
C3	4510005680	ELE 50 ME 470 HC		
C4	4510007330	ELE 50 ME 33HWN		
C5	4030018980	S.CER C1608 JB 1H 104K-T	T	26.9/3.2
C6	4030006900	S.CER C1608 JB 1H 103K-T	T	19.7/24.0
C7	4030006860	S.CER C1608 JB 1H 102K-T	T	19.7/22.7
C8	4030011340	S.CER C1608 CH 1H 471J-T	T	19.7/21.4
C9	4030018980	S.CER C1608 JB 1H 104K-T	T	27.1/24.0
J1	6510011451	CON B5P-VH(LF)(SN)		

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

[CONNECT-A UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
C1	4030007090	S.CER C1608 CH 1H 470J-T	T	36.1/9.0
C2	4030007090	S.CER C1608 CH 1H 470J-T	T	34.9/12.9
C7	4030007090	S.CER C1608 CH 1H 470J-T	T	10.1/4.3
C8	4030007090	S.CER C1608 CH 1H 470J-T	T	13.8/11.7
J1	6510026890	CON LTWBD-07PMMP-LC7001 <LIA>		
J2	6510026890	CON LTWBD-07PMMP-LC7001 <LIA>		
J3	6510022311	S.CON B5B-PH-SM4-TB(LF)(SN)	T	2.5/8.5
J4	6510023092	S.CON 20FLT-SM2-TB(LF)(SN)(M)	T	10.5/23.4
W1	8900018780	CAB OPC-1971 (P0.5N20L200) <TJM>		
EP2	6910018270	S.BEA MMZ1608Y301CT	T	36.1/7.5
EP3	6910018270	S.BEA MMZ1608Y301CT	T	34.9/11.4
EP8	6910018270	S.BEA MMZ1608Y301CT	T	10.1/5.8
EP9	6910018270	S.BEA MMZ1608Y301CT	T	12.3/11.7

[CONNECT-B UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
IC11	1110007530	S.IC THS7316DR	T	106.8/6.0
L1	6180003820	S.COI DLP31DN441ML4	T	21.5/17.1
L2	6180003820	S.COI DLP31DN441ML4	T	25.2/17.0
L3	6180003820	S.COI DLP31DN441ML4	T	68.0/18.2
L4	6180003820	S.COI DLP31DN441ML4	T	68.0/21.9
R3	7030011840	S.RES ERJ8GEYJ 1R0V	T	124.3/17.0
R11	7030003340	S.RES ERJ3GEYJ 151 V (150)	T	96.3/22.2
R12	7030003340	S.RES ERJ3GEYJ 151 V (150)	T	94.1/7.5
R13	7030003340	S.RES ERJ3GEYJ 151 V (150)	T	91.3/7.5
R14	7030010900	S.RES ERJ3GEYJ 750 V (75)	T	39.2/39.9
R15	7030010900	S.RES ERJ3GEYJ 750 V (75)	B	30.7/5.5
R16	7030010900	S.RES ERJ3GEYJ 750 V (75)	B	27.1/5.5
R17	7030003470	S.RES ERJ3GEYJ 182 V (1.8K)	B	25.9/5.5
R18	7030003470	S.RES ERJ3GEYJ 182 V (1.8K)	B	24.3/5.5
R19	7030003470	S.RES ERJ3GEYJ 182 V (1.8K)	B	23.1/5.5
C1	4030006900	S.CER C1608 JB 1H 103K-T	T	13.8/17.6
C4	4030006900	S.CER C1608 JB 1H 103K-T	T	51.0/13.8
C7	4030006900	S.CER C1608 JB 1H 103K-T	T	69.5/15.6
C11	4510009950	S.ELE EEEHC1C470P	T	97.3/12.5
C12	4030011600	S.CER C1608 JB 1E 104K-T	T	109.2/9.4
C21	4030007090	S.CER C1608 CH 1H 470J-T	T	12.6/17.6
C22	4030006850	S.CER C1608 JB 1H 471K-T	T	11.4/17.6
C23	4030007090	S.CER C1608 CH 1H 470J-T	T	31.9/22.0
C24	4030006850	S.CER C1608 JB 1H 471K-T	T	33.2/22.0
C25	4030007090	S.CER C1608 CH 1H 470J-T	T	31.2/16.4
C26	4030006850	S.CER C1608 JB 1H 471K-T	T	31.2/17.7
C31	4030007090	S.CER C1608 CH 1H 470J-T	T	78.4/20.4
C32	4030006850	S.CER C1608 JB 1H 471K-T	T	78.4/19.1
C33	4030007090	S.CER C1608 CH 1H 470J-T	T	81.0/19.1
C34	4030006850	S.CER C1608 JB 1H 471K-T	T	81.0/20.4
C35	4030007090	S.CER C1608 CH 1H 470J-T	T	83.6/19.1
C36	4030006850	S.CER C1608 JB 1H 471K-T	T	83.6/20.4
J1	6510023210	CON CD6125SA1J0 <CVI>		
J2	6510026370	CON KEY-15S-2A3F(LF)(SN)		
J3	6510027790	CON 1285-26S-014-8E		
J4	6510027790	CON 1285-26S-014-8E		
J5	6510027920	S.CON IMSA-9631S-28Y934	T	149.9/22.2
J6	6510027910	S.CON IMSA-9631S-20Y933	T	128.7/22.2
J7	6510027910	S.CON IMSA-9631S-20Y933	T	54.7/22.2
J8	6510027910	S.CON IMSA-9631S-20Y933	T	22.2/22.2
W1	8900018380	CAB OPC-1924		
W2	8900018790	CAB OPC-1972 (P0.5N28L80) <TJM>		
W3	8900018760	CAB OPC-1969 (P0.5N20L60) <TJM>		
W4	8900018780	CAB OPC-1971 (P0.5N20L200) <TJM>		
W5	8900018780	CAB OPC-1971 (P0.5N20L200) <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

[CONNECT UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
J1	6450001130	CON JPJ2042-01-110	T	36.5/18.0
J2	6450001130	CON JPJ2042-01-110		
J3	6510022022	S.CON 14FLT-SM2-TB(LF)(SN)(M)		
W1	8900018750	CAB OPC-1968 (P0.5N14L60) <TJM>		

[CONNECT-D UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
IC1	1180001862	S.IC TA78M05F(TE16L1NQ)	T	4.8/8.0
IC2	1130014420	S.IC HA13721FPKEL-E	T	4.7/24.6
IC3	1130011941	S.IC TC7SZ04F(TE85LF)	T	93.4/22.2
IC4	1190002840	S.IC PC410L0NIP0F	T	12.3/38.7
IC5	1190002840	S.IC PC410L0NIP0F	T	13.3/27.3
IC6	1130011941	S.IC TC7SZ04F(TE85LF)	T	71.9/16.9
D1	1750001670	S.DIO RR264M-400TR	T	10.6/11.8
R1	7030010540	S.RES ERJ1TYJ 330U (33)	B	33.2/18.5
R2	7030010540	S.RES ERJ1TYJ 330U (33)	B	32.0/18.5
R3	7030003380	S.RES ERJ3GEYJ 331 V (330)	B	30.8/18.5
R4	7030003410	S.RES ERJ3GEYJ 561 V (560)	B	27.1/18.5
R5	7030003410	S.RES ERJ3GEYJ 561 V (560)	B	25.9/18.5
R6	7030003380	S.RES ERJ3GEYJ 331 V (330)	B	24.3/18.5
C1	4030007090	S.CER C1608 CH 1H 470J-T	T	7.1/16.6
C3	4510009810	S.ELE EEEFK1E220R	T	11.2/7.0
C4	4030018980	S.CER C1608 JB 1H 104K-T	T	5.7/13.5
C5	4030018980	S.CER C1608 JB 1H 104K-T	T	3.1/13.5
C6	4510009320	S.ELE EEEHB0J220R	T	4.0/17.2
C7	4030011600	S.CER C1608 JB 1E 104K-T	T	3.5/28.9
C8	4030011600	S.CER C1608 JB 1E 104K-T	T	6.3/31.0
C9	4030011600	S.CER C1608 JB 1E 104K-T	T	18.3/32.0
C10	4030011600	S.CER C1608 JB 1E 104K-T	T	8.5/26.8
C11	4030011600	S.CER C1608 JB 1E 104K-T	T	19.6/24.8
J1	6510026900	CON LTW12-05PMMP-SF8001 <LIA>		
W1	8900018730	CAB OPC-1922		
EP2	6910018270	S.BEA MMZ1608Y301CT	T	8.5/13.5
EP3	6910018270	S.BEA MMZ1608Y301CT1	T	7.1/19.2

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

SECTION 4

MECHANICAL PARTS

[CHASSIS PARTS]

REF NO.	ORDER NO.	DESCRIPTION	QTY.
EP1*	0800012890	SOM-4463D1104E-T <ADV>	1
J1*	6510027190	GM-108-3P-12C-AP3169-RH	1
MP1	8510019260	3169 CASE	1
MP2	8930079020	3169 TERMINAL SHEET	1
MP3	8930079630	3169 FIL-EARTH PLATE Y1164	1
MP4	8930077760	3169 P-JACK PLATE	1
MP5	8930077870	3169 P-JACK SEAL (TOT)	1
MP6	8810010790	SCREW M3X8 SUS SSBC	2
MP7	8810010440	PHB0 M3 X12 SUS SSBC	2
MP8	8850001700	INSULATION FLAT WASHER (Y)	2
MP12	8930077830	3169 D-SUB SEAL (TOT)	1
MP13	8850000480	S-WASHER M 3 SUS	4
MP14	8930079450	HEXAGON SPACER (KFS-4S-B1W)	2
MP15	8810010790	SCREW M3X8 SUS SSBC	3
MP16	8930061490	SHIELD SPONGE (AB)	5
MP21	8930039612	THERMAL SHEET (C)-2 TC100HS (10X10)	3
MP22	8930074670	3123 IC CLIP	2
MP23	8810008661	PHBT M3 X 8 NI-ZC3	4
MP24	8410002680	3169 REG HEATSINK	1
MP25	8930079390	THERMAL SHEET (BS) TC200HS1.4 (9.5X17)	2
MP26	8930053472	THERMAL SHEET (R)-2 TC200HS (10X10)	1
MP27	8930070220	THERMAL SHEET (BG) TC-300HS-1.4	1
MP28	8810010501	PHBT M3 X10 NI-ZC3	2
MP29	8810008661	PHBT M3 X 8 NI-ZC3	4
MP31	8850001660	FLAT WASHER M2 M2X4.3X0.4 SUS	4
MP32	8850000680	S-WASHER M 2 SUS	4
MP33	8810008751	PHBT M2 X15 NI-ZK3	7
MP34	8810008661	PHBT M3 X 8 NI-ZC3	4
MP41	8930077820	3169 MAIN SEAL (TOT)	1
MP42	8110009700	3169 COVER	1
MP43	8930058780	2577 SHEET	1
MP44	8810000580	PH M3 X 6 SUS	10
MP45	8310074170	1958 NAME PLATE (A)	1
MP46	8810009080	TRUSS M3 X 3 SUS	4
MP51	8930077900	3169 MODULER CAP (TOT)	4
MP52	8930077880	3169 P-JACK CAP (TOT)	4
MP53	8930078850	3169 M12 CAP (TOT)	1
MP54	8930055040	2438 CAP <JST>	1
MP61	8930077850	3169 B-SUB RUBBER (TOT)	1
MP62	8930077790	3169 B-SUB PLATE Y1152	1
MP63	8810008800	PHUNC NO.4 X 4 SUS	2
MP64	8930079300	3169 E-SUB RUBBER (TOT)	1
MP65	8930068220	1958 CA PLATE Y817	1
MP66	8810008800	PHUNC NO.4 X 4 SUS	2
MP67	8930077840	3169 A-SUB RUBBER (TOT)	1
MP68	8930068230	1958 CB PLATE Y818	1
MP69	8810008800	PHUNC NO.4 X 4 SUS	2

[MAIN UNIT]

REF NO.	ORDER NO.	DESCRIPTION	QTY.
J1*	6510023092	20FLT-SM2-TB (LF) (SN) (M)	1
J2*	6510023512	28FLT-SM2-TB (LF) (SN) (M)	1
J4*	6510022031	B10B-ZR-SM4-TF (LF) (SN)	1
J101*	6510026980	IMSA-9980S-80Y901	1
J102*	6510026980	IMSA-9980S-80Y901	1
J201*	6510022022	14FLT-SM2-TB (LF) (SN) (M)	1
J401*	6510023092	20FLT-SM2-TB (LF) (SN) (M)	1
J402	6510026950	TM11R-5M2-88	1
J403	6510026950	TM11R-5M2-88	1
J404	6510026950	TM11R-5M2-88	1
J405	6510026950	TM11R-5M2-88	1
J406	6910014251	IMSA-9202B-2-06Z041-PT1	1
J407	6910014251	IMSA-9202B-2-06Z041-PT1	1
J603*	6510023092	20FLT-SM2-TB (LF) (SN) (M)	1
J604*	6510023092	20FLT-SM2-TB (LF) (SN) (M)	1
J700*	6510026980	IMSA-9980S-80Y901	1
J702*	6510027330	ICM-MA50H-SS52-1141 (LF) (SN)	1
J703*	6510022311	B5B-PH-SM4-TB (LF) (SN)	1
J704*	6510027340	BM13B-PASS-TFT (LF) (SN)	1
J705*	6510018941	B13B-PH-SM4-TB (LF) (SN)	1
P406*	6910003120	IMSA-9206H-T	4
T401*	5910001120	TLA-6T133WLF-T	1
T402*	5910001120	TLA-6T133WLF-T	1
T403*	5910001120	TLA-6T133WLF-T	1
T404*	5910001120	TLA-6T133WLF-T	1
BT701*	3020000380	CR-2477/F2K	1
EP2*	0800011350	TS512MCF100I <TSI>	1
MP3*	8930017741	INSULATION SHEET (A)-1 FX833	1

[JUNCTION-A UNIT]

REF NO.	ORDER NO.	DESCRIPTION	QTY.
J1*	6510026720	FX8-100S-SV (23)	1
J2*	6510026990	IMSA-9980B-80Y901	1

[JUNCTION-C UNIT]

REF NO.	ORDER NO.	DESCRIPTION	QTY.
J1*	6510026720	FX8-100S-SV (23)	1
J2*	6510026990	IMSA-9980B-80Y901	1

[JUNCTION-D UNIT]

REF NO.	ORDER NO.	DESCRIPTION	QTY.
J1*	6510026720	FX8-100S-SV (23)	1
J2*	6510026990	IMSA-9980B-80Y901	1

[REG UNIT]

REF NO.	ORDER NO.	DESCRIPTION	QTY.
J1*	6510011451	B5P-VH (LF) (SN)	1
T1*	5910000890	TO-49	1
T101*	5910000890	TO-49	1
W1**	8900018370	OPC-1923	1
W2**	8900018390	OPC-1925	1
W3**	8900018400	OPC-1926	1
EP2*	9025608001	IRRAX TUBE L=7MM	2
EP3*	9025608001	IRRAX TUBE L=7MM	2
EP4*	9021002003	IRRAX TUBE L=5MM	2
EP5*	9021002003	IRRAX TUBE L=5MM	2
MP1*	8930076790	THERMAL SHEET (BO)TC1000HS1.4 (10X14)	1

[FILTER UNIT]

REF NO.	ORDER NO.	DESCRIPTION	QTY.
J1*	6510011451	B5P-VH (LF) (SN)	1

[CONNECT-A UNIT]

REF NO.	ORDER NO.	DESCRIPTION	QTY.
J1*	6510026890	LTWBD-07PMMP-LC7001 <LIA>	1
J2*	6510026890	LTWBD-07PMMP-LC7001 <LIA>	1
J3*	6510022311	B5B-PH-SM4-TB (LF) (SN)	1
J4*	6510023092	20FLT-SM2-TB (LF) (SN) (M)	1
W1**	8900018780	OPC-1971 (P0.5N20L200)	1

[CONNECT-B UNIT]

REF NO.	ORDER NO.	DESCRIPTION	QTY.
J1*	6510023210	CD6125SA1J0 <CVI>	1
J2*	6510026370	KEY-15S-2A3F (LF) (SN)	1
J3*	6510027790	128S-26S-014-8E	1
J4*	6510027790	128S-26S-014-8E	1
J5*	6510027920	IMSA-9631S-28Y934	1
J6*	6510027910	IMSA-9631S-20Y933	1
J7*	6510027910	IMSA-9631S-20Y933	1
J8*	6510027910	IMSA-9631S-20Y933	1
W1**	8900018380	OPC-1924	1
W2**	8900018790	OPC-1972 (P0.5N28L80)	1
W3**	8900018760	OPC-1969 (P0.5N20L60)	1
W4**	8900018780	OPC-1971 (P0.5N20L200)	1
W5**	8900018780	OPC-1971 (P0.5N20L200)	1

*: Refer to "BOARD LAYOUTS" for the location.

** : Refer to "GENERAL WIRING" for the connection

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

[CONNECT-C UNIT]

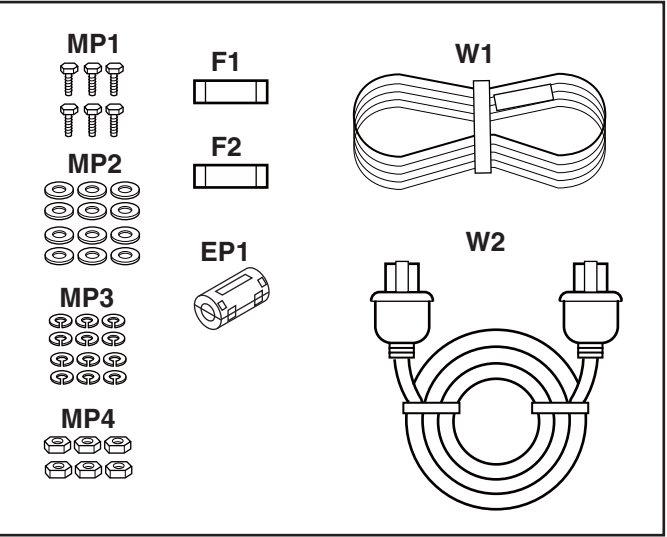
REF NO.	ORDER NO.	DESCRIPTION	QTY.
J1*	6450001130	JPJ2042-01-110	1
J2*	6450001130	JPJ2042-01-110	1
J3*	6510022022	14FLT-SM2-TB (LF) (SN) (M)	1
W1**	8900018750	OPC-1968 (P0.5N14L60)	1

[CONNECT-D UNIT]

REF NO.	ORDER NO.	DESCRIPTION	QTY.
J1*	6510026900	LTW12-05PMMP-SF8001 <LIA>	1
W1**	8900018730	OPC-1922	1

[ACCESSORIES]

REF NO.	ORDER NO.	DESCRIPTION	QTY.
F1	5210001130	ATC 7.5	1
F2	5210001140	ATC 15	1
W1	8900018271	OPC-1900A	1
W2	8900018260	OPC-1897	1
EP1	6910013320	ZCAT2132-1130	1
MP1	8810010970	HEX BOLT M5 X30 SUS	6
MP2	8850000180	FLAT WASHER M 5 SUS	12
MP3	8850000500	S-WASHER M 5 SUS	12
MP4	8830000250	NUT M 5 SUS	6



*: Refer to “BOARD LAYOUTS” for the location.

***: Refer to “GENERAL WIRING” for the connection

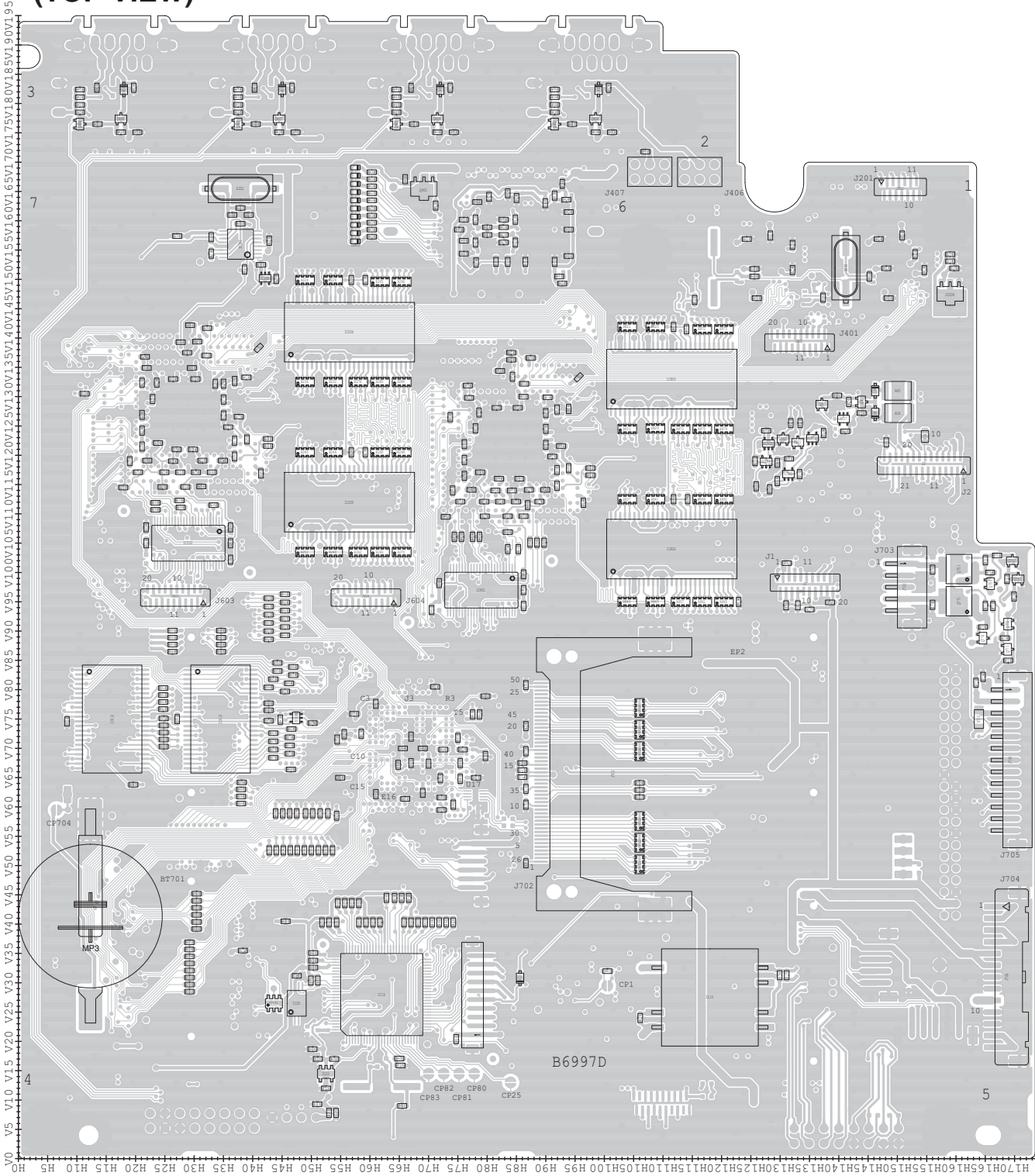
Screw abbreviations A, B0, BT: Self-tapping PH: Pan head ZK: Black NI-ZU: Nickel-Zinc SUS: Stainless

SECTION 5 BOARD LAYOUTS

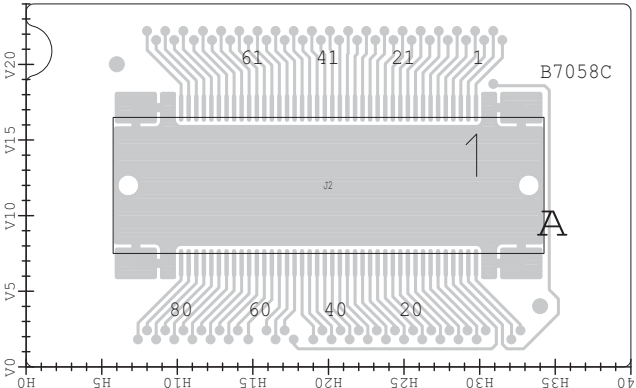
SECTION 5 BOARD LAYOUTS

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

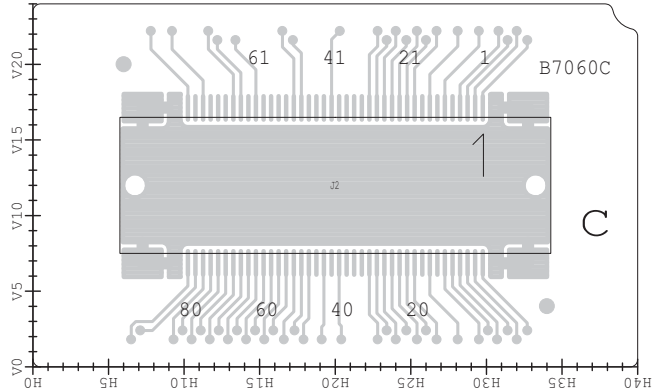
• MAIN UNIT
(TOP VIEW)



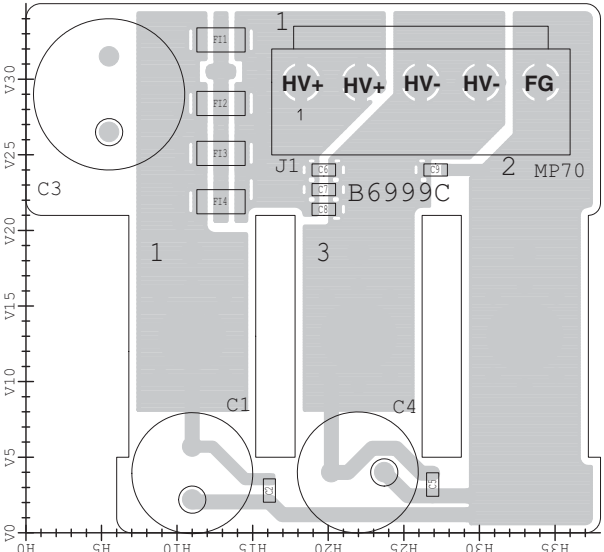
• **JUNCTION-A UNIT
(TOP VIEW)**



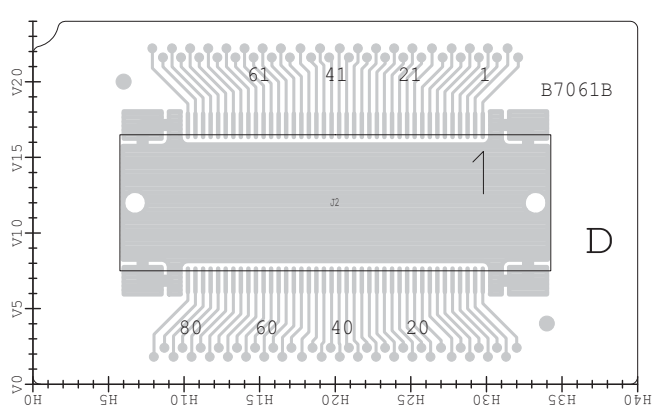
• JUNCTION-C UNIT
(TOP VIEW)



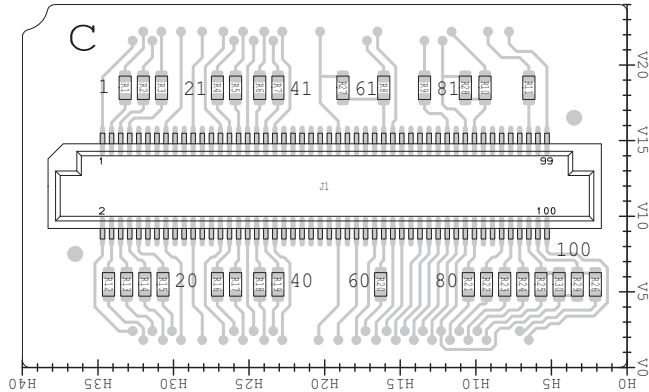
• **FILTER UNIT
(TOP VIEW)**



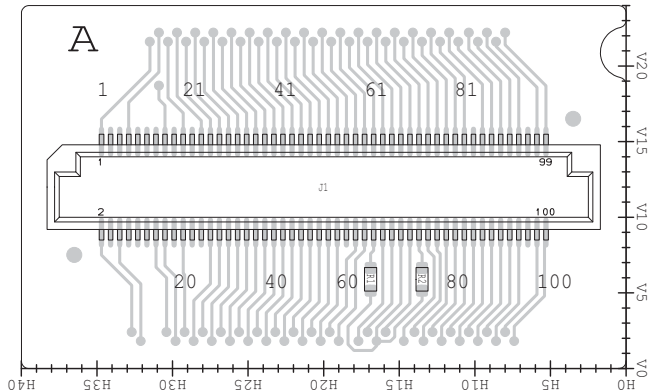
• JUNCTION-D UNIT (TOP VIEW)



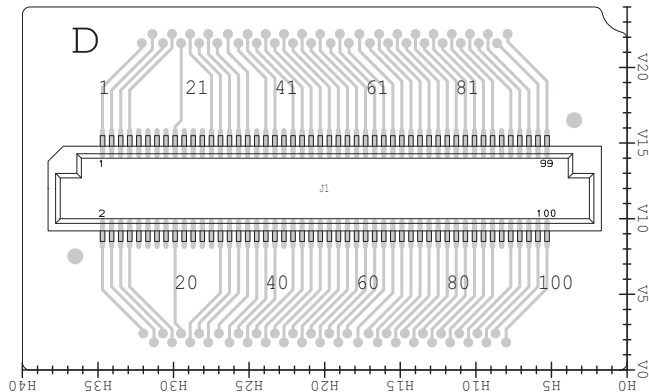
• JUNCTION-C UNIT
(BOTTOM VIEW)



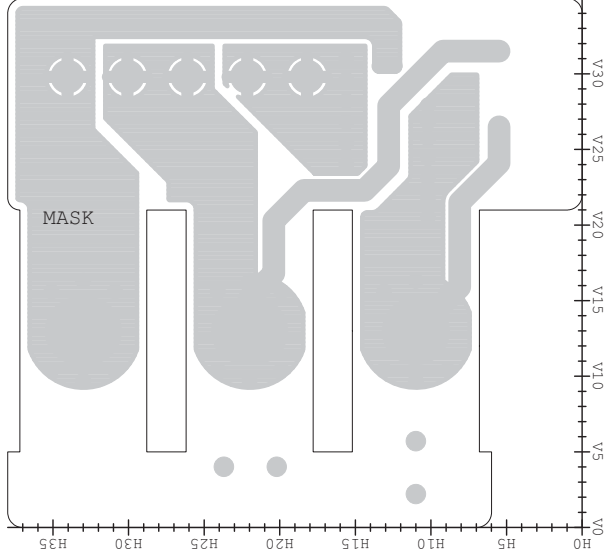
• JUNCTION-A UNIT
(BOTTOM VIEW)



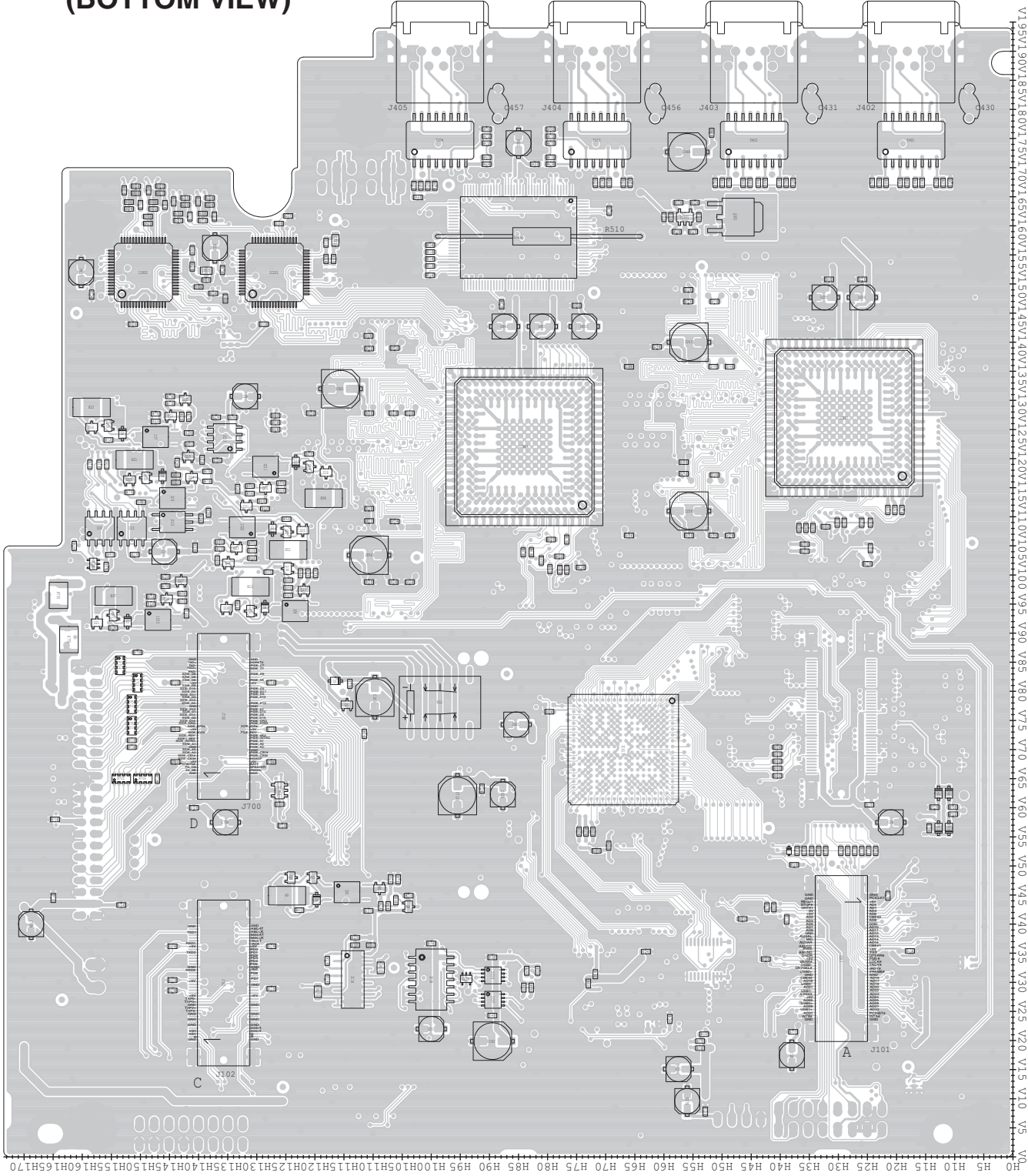
• JUNCTION-D UNIT
(BOTTOM VIEW)



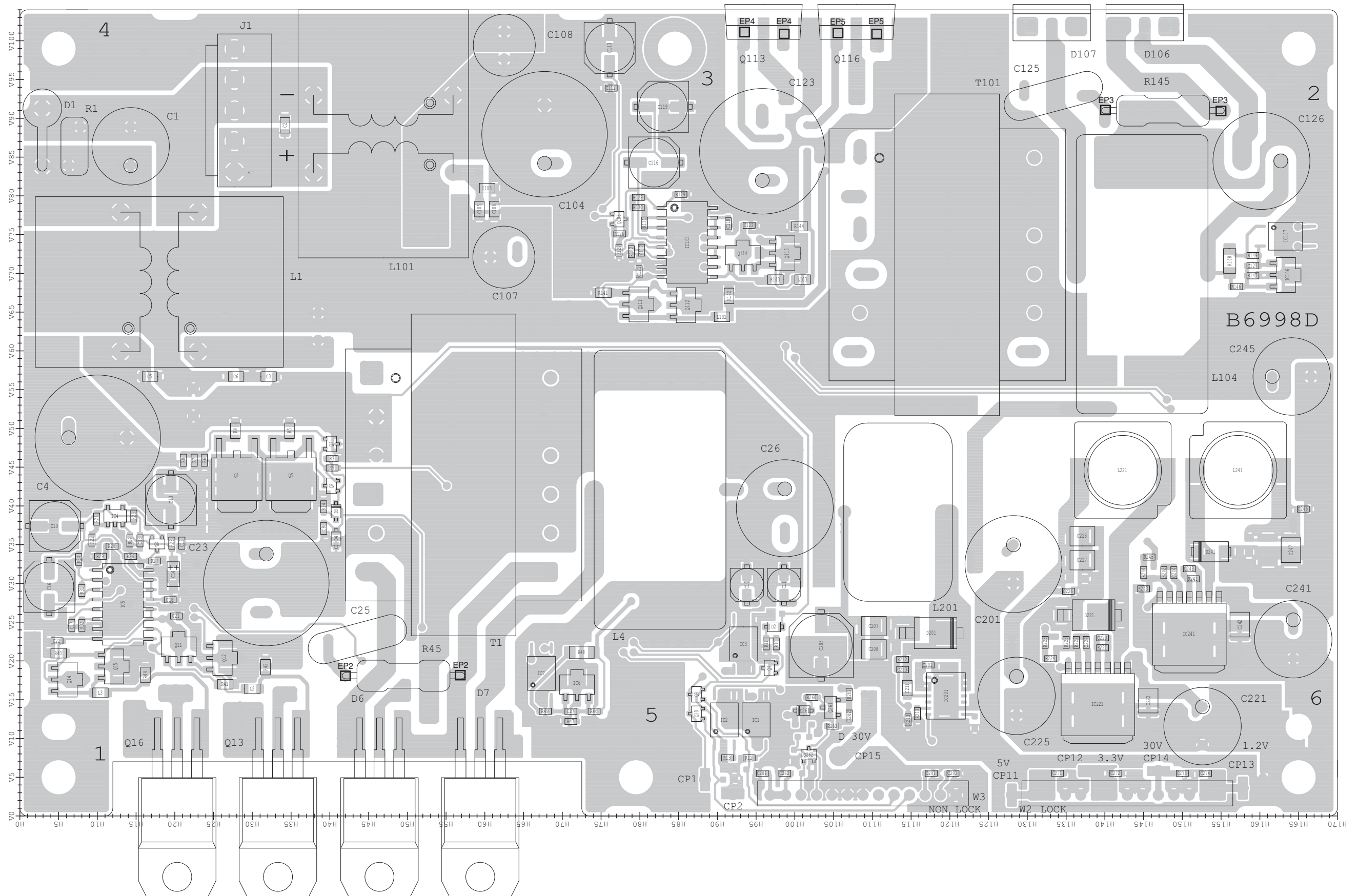
• FILTER UNIT
(BOTTOM VIEW)



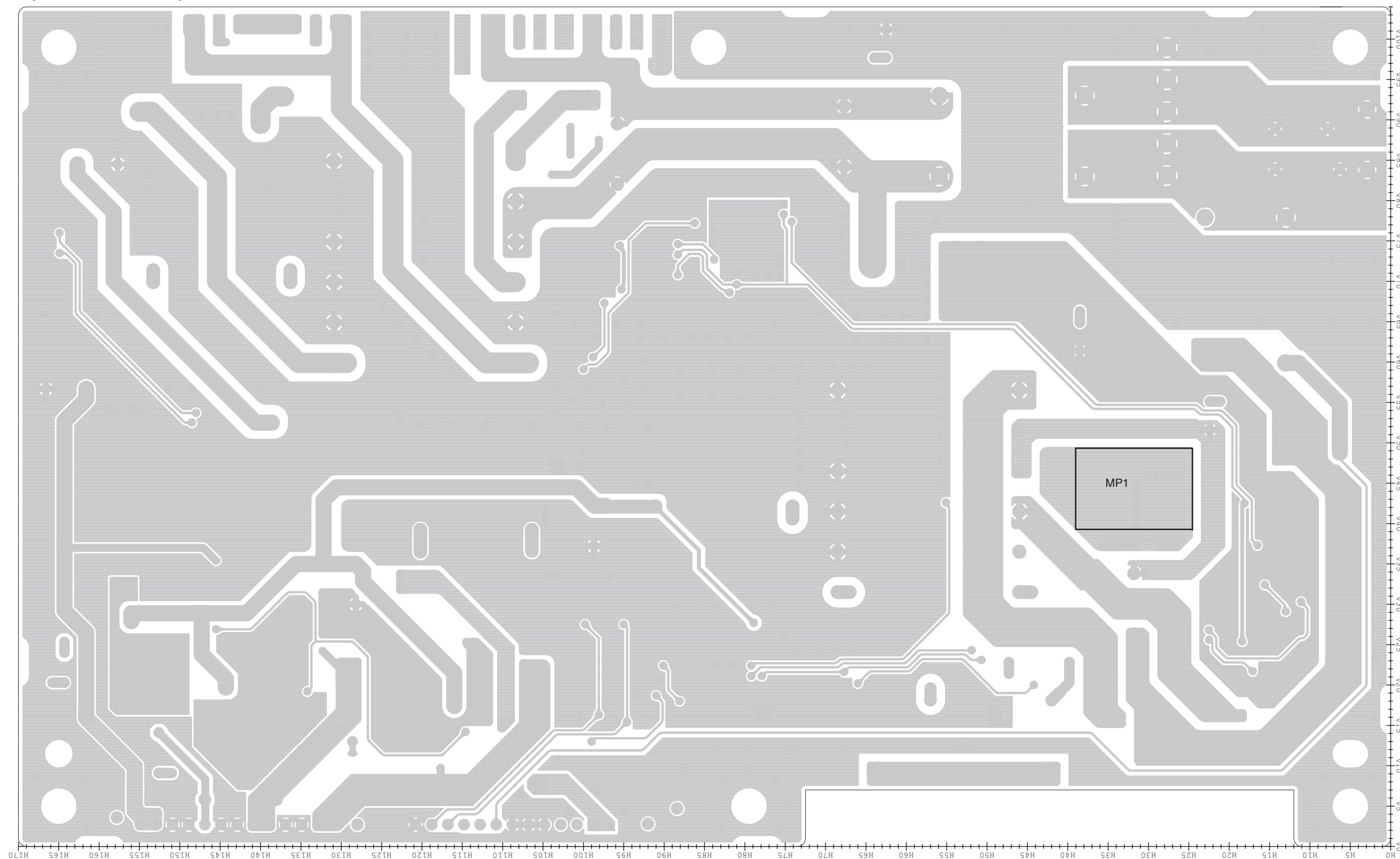
• MAIN UNIT
(BOTTOM VIEW)



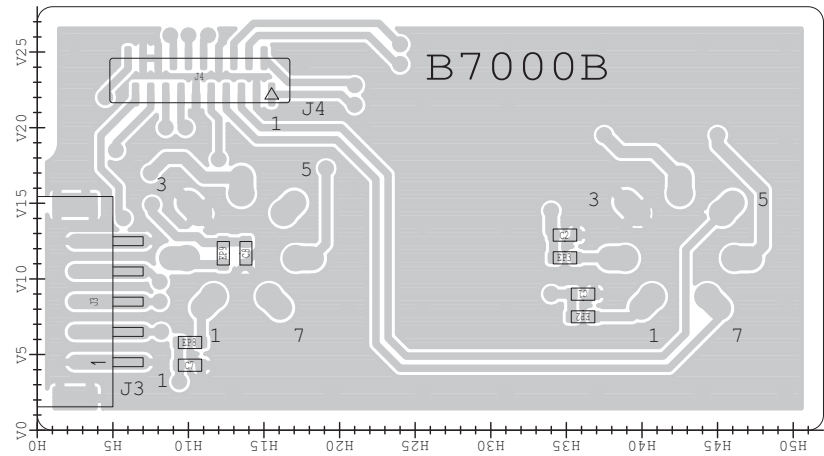
• REG UNIT
(TOP VIEW)



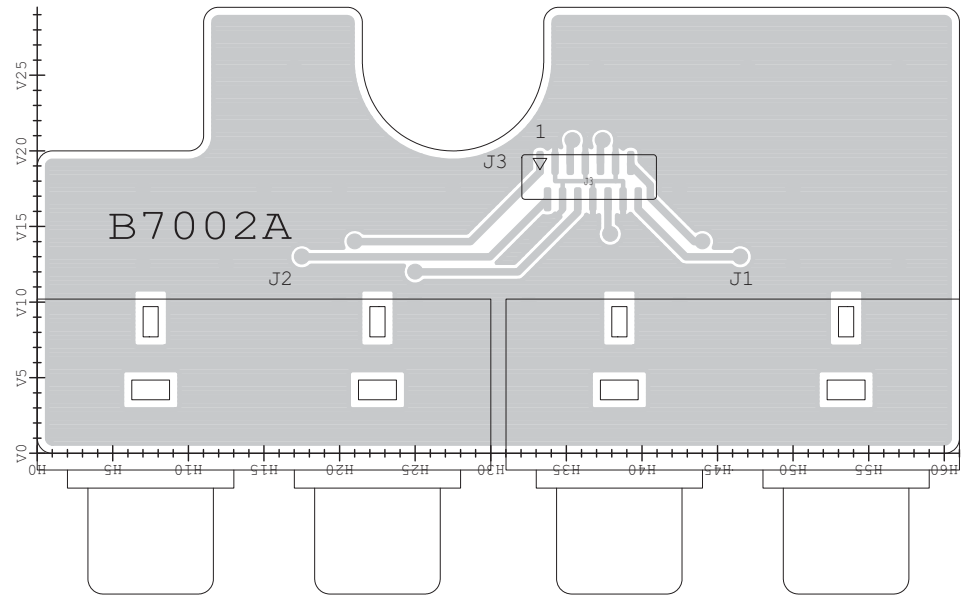
• REG UNIT
(BOTTOM VIEW)



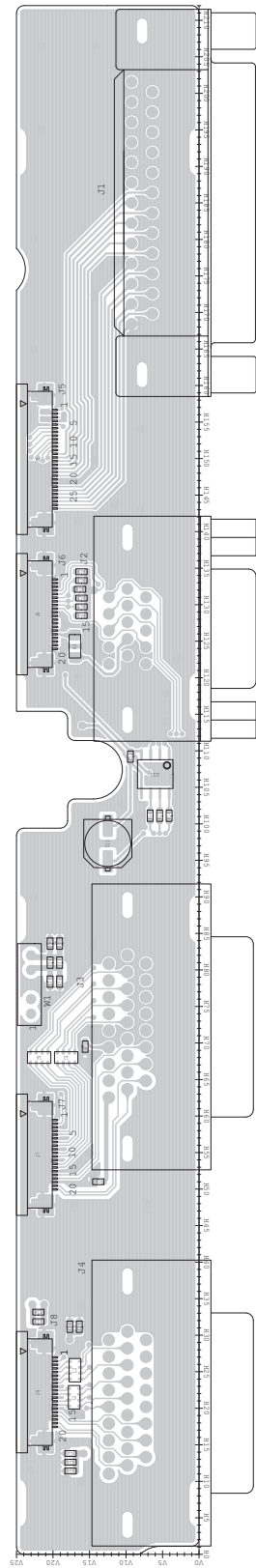
• CONNECT-A UNIT
(TOP VIEW)



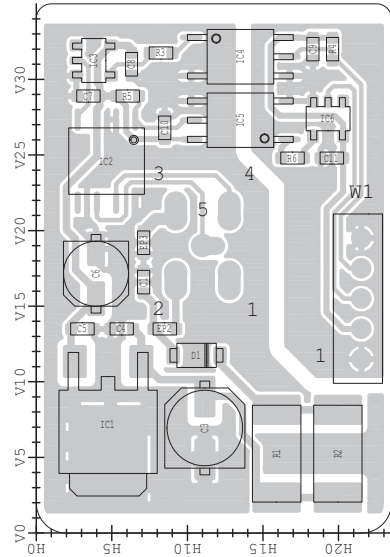
• CONNECT-C UNIT
(TOP VIEW)



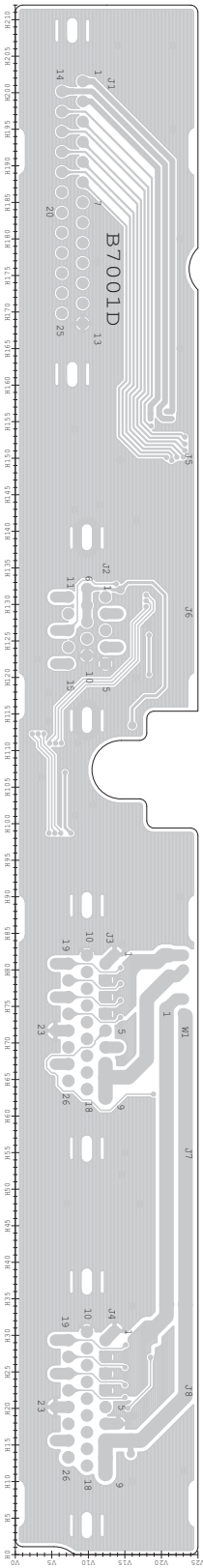
• CONNECT-B UNIT
(TOP VIEW)



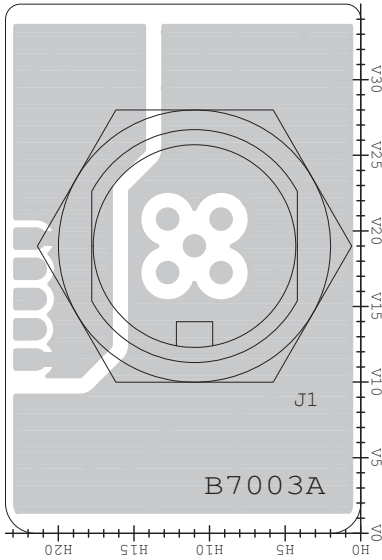
• CONNECT-D UNIT
(TOP VIEW)



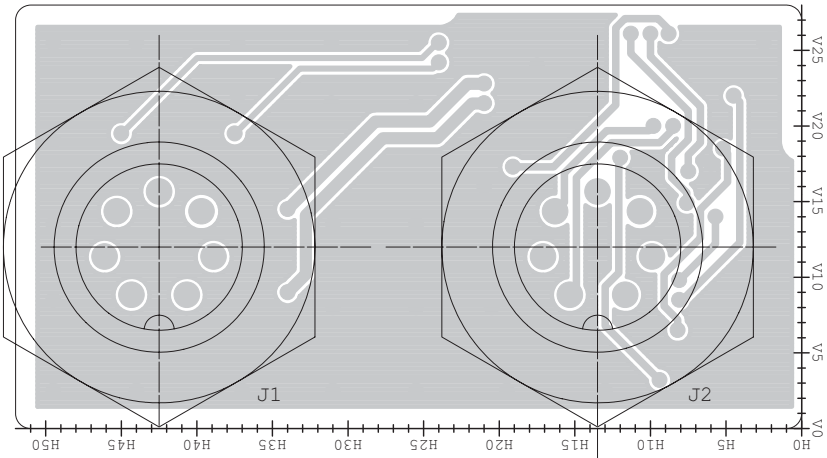
• CONNECT-B UNIT
(BOTTOM VIEW)



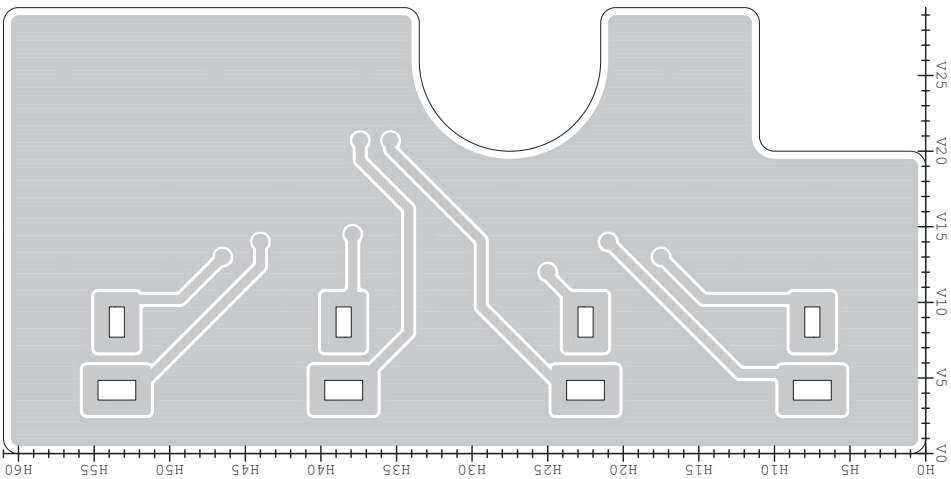
• CONNECT-D UNIT
(BOTTOM VIEW)



• CONNECT-A UNIT
(BOTTOM VIEW)



• CONNECT-C UNIT
(BOTTOM VIEW)



SECTION 6

GENERAL WIRING

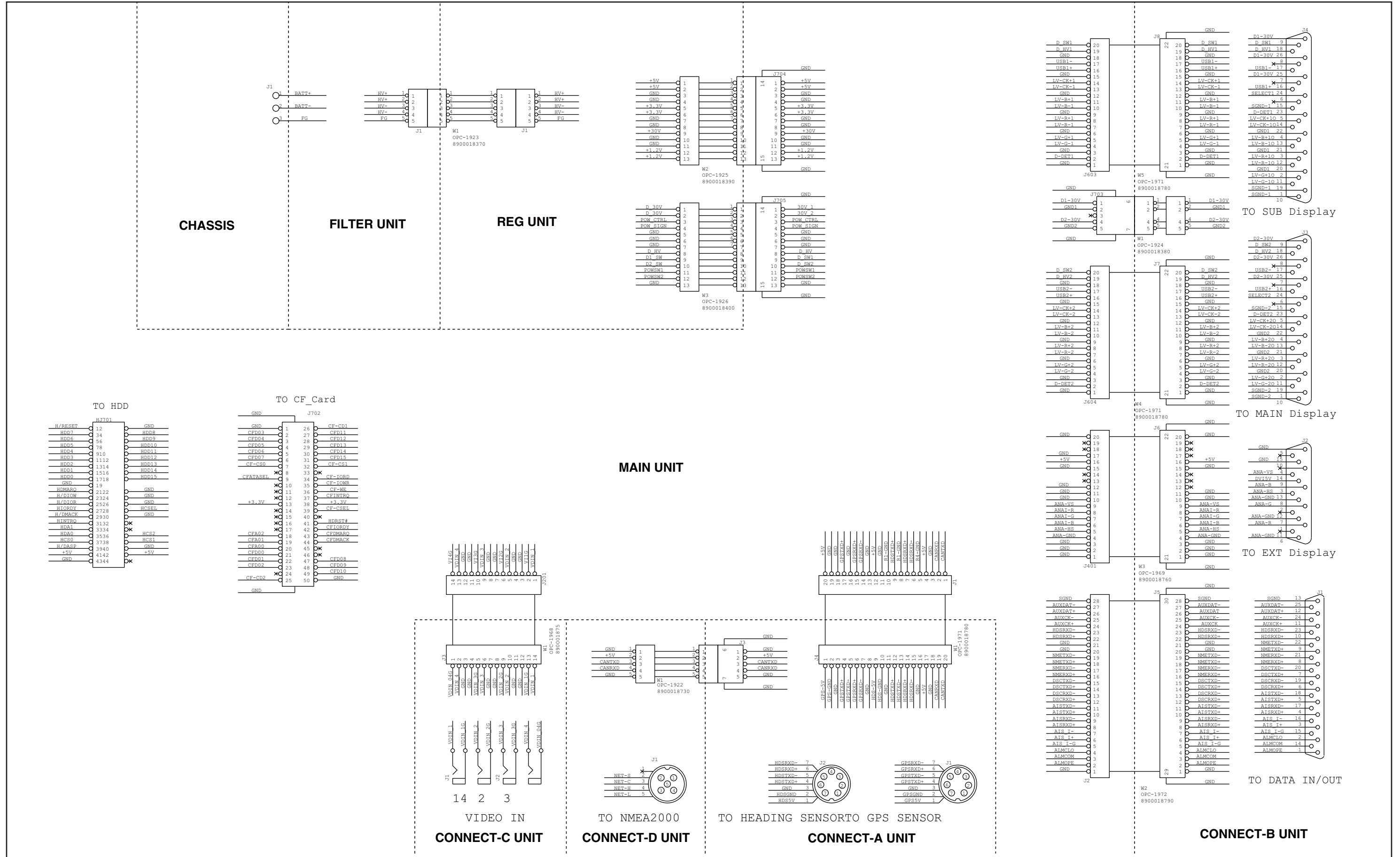
MAIN UNIT

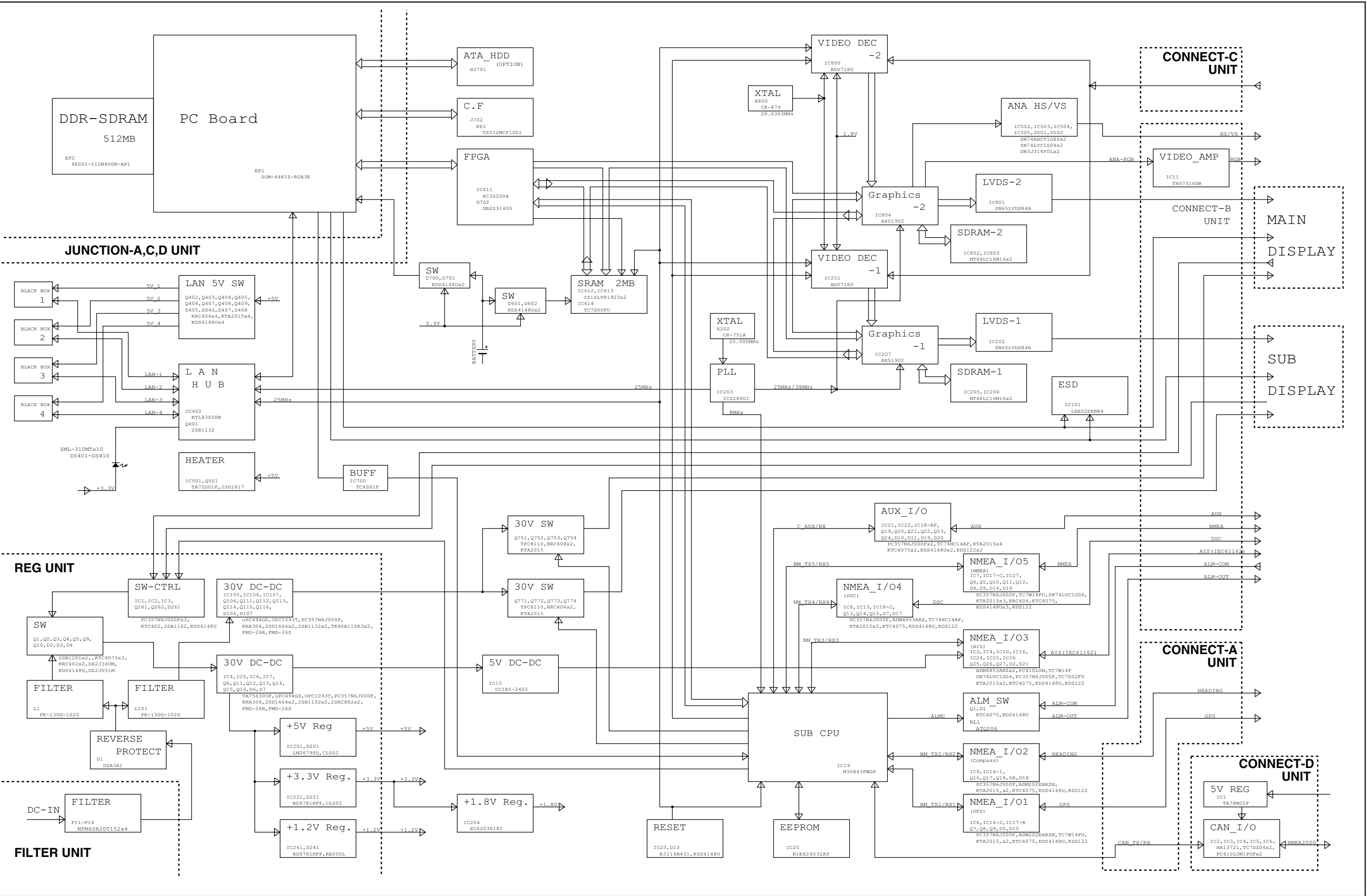
CHASSIS

JUNCTION-A UNIT

JUNCTION-C UNIT

JUNCTION-D UNIT

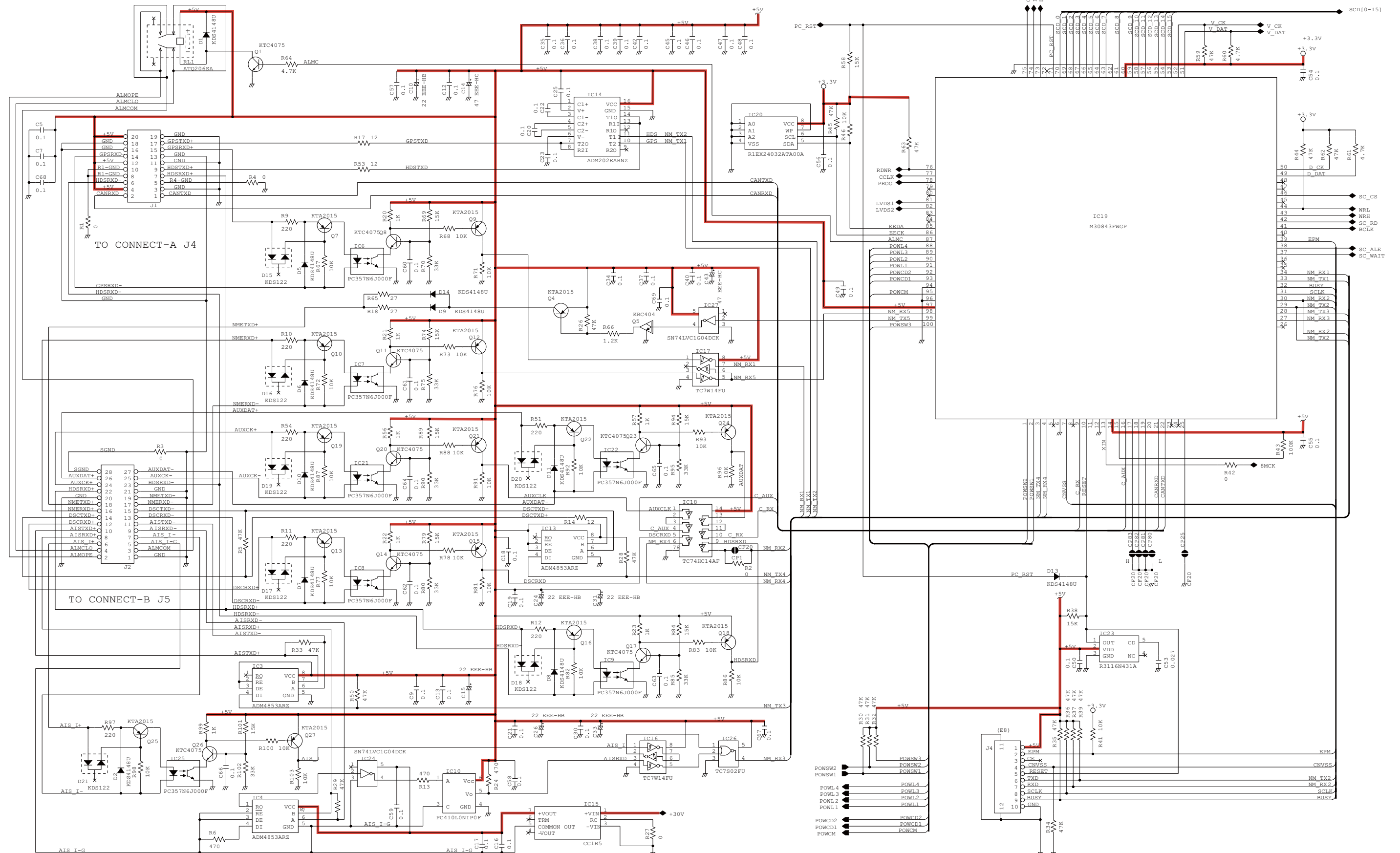




SECTION 8

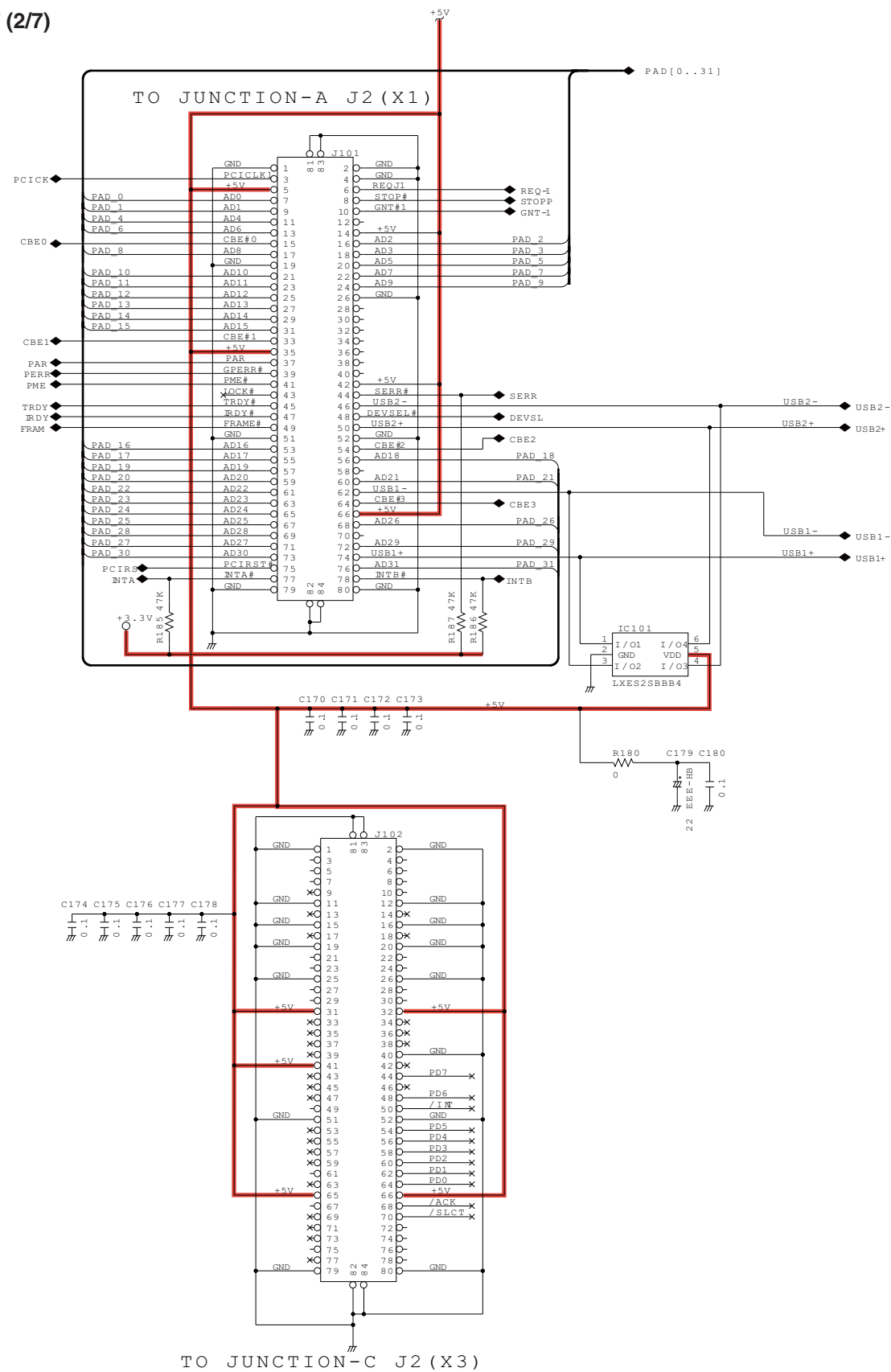
BLOCK DIAGRAM

• MAIN UNIT (1/7)



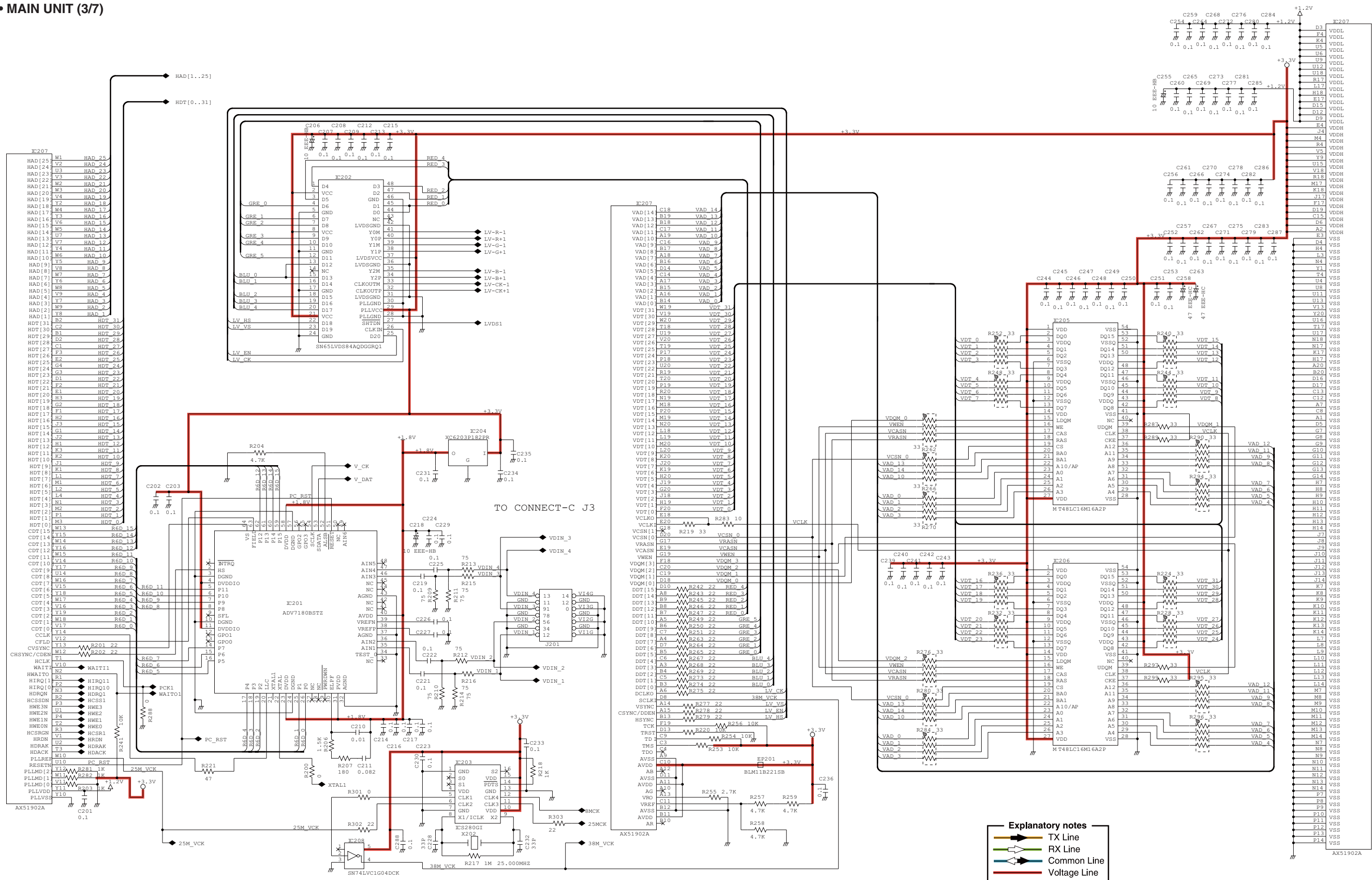
*: Refer to the PARTS LIST for the value and name of component.

- MAIN UNIT (2/7)



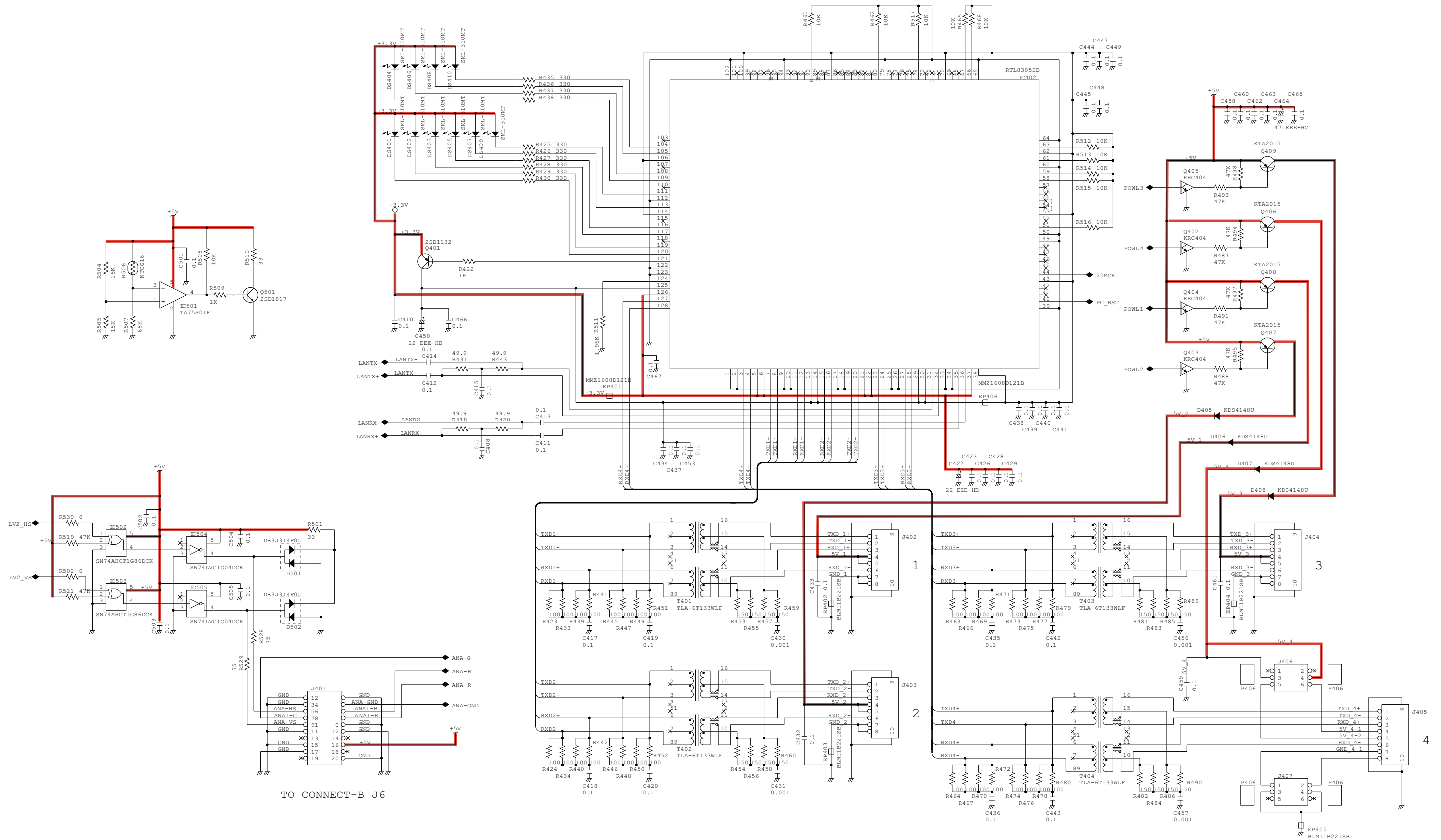
*: Refer to the PARTS LIST for the value and name of component.

- **MAIN UNIT (3/7)**



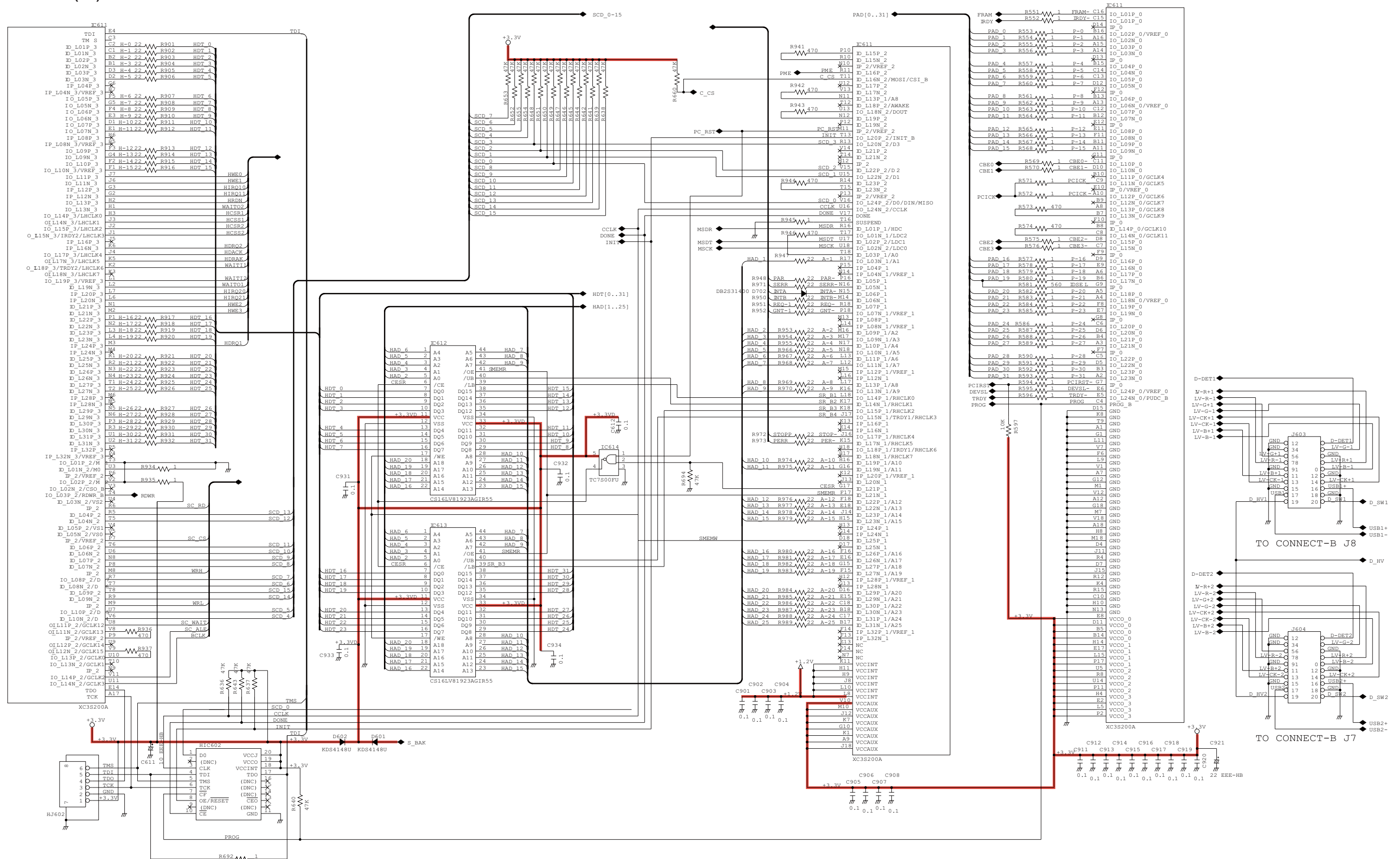
*: Refer to the PARTS LIST for the value and name of component.

• MAIN UNIT (4/7)



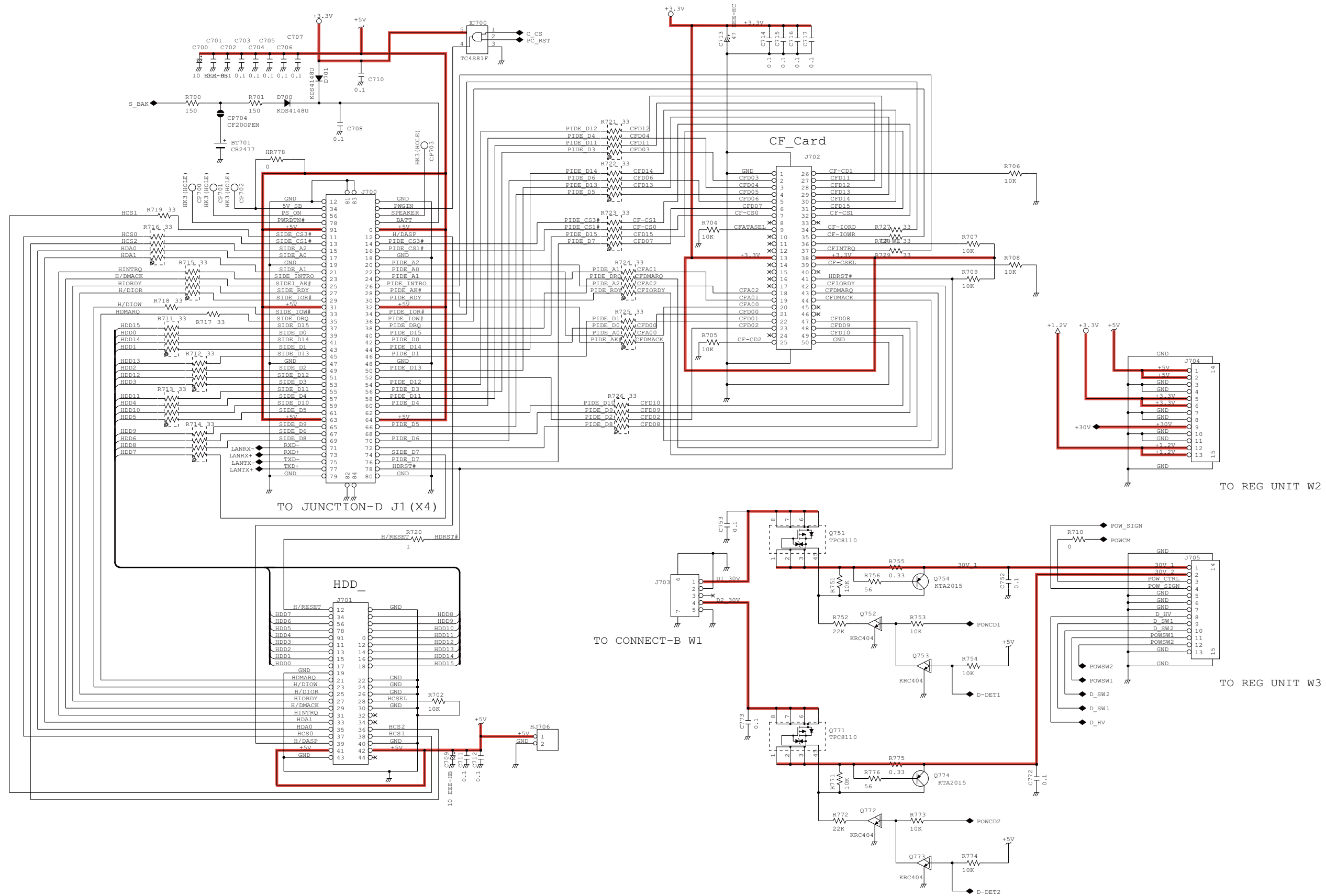
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- **MAIN UNIT (5/7)**



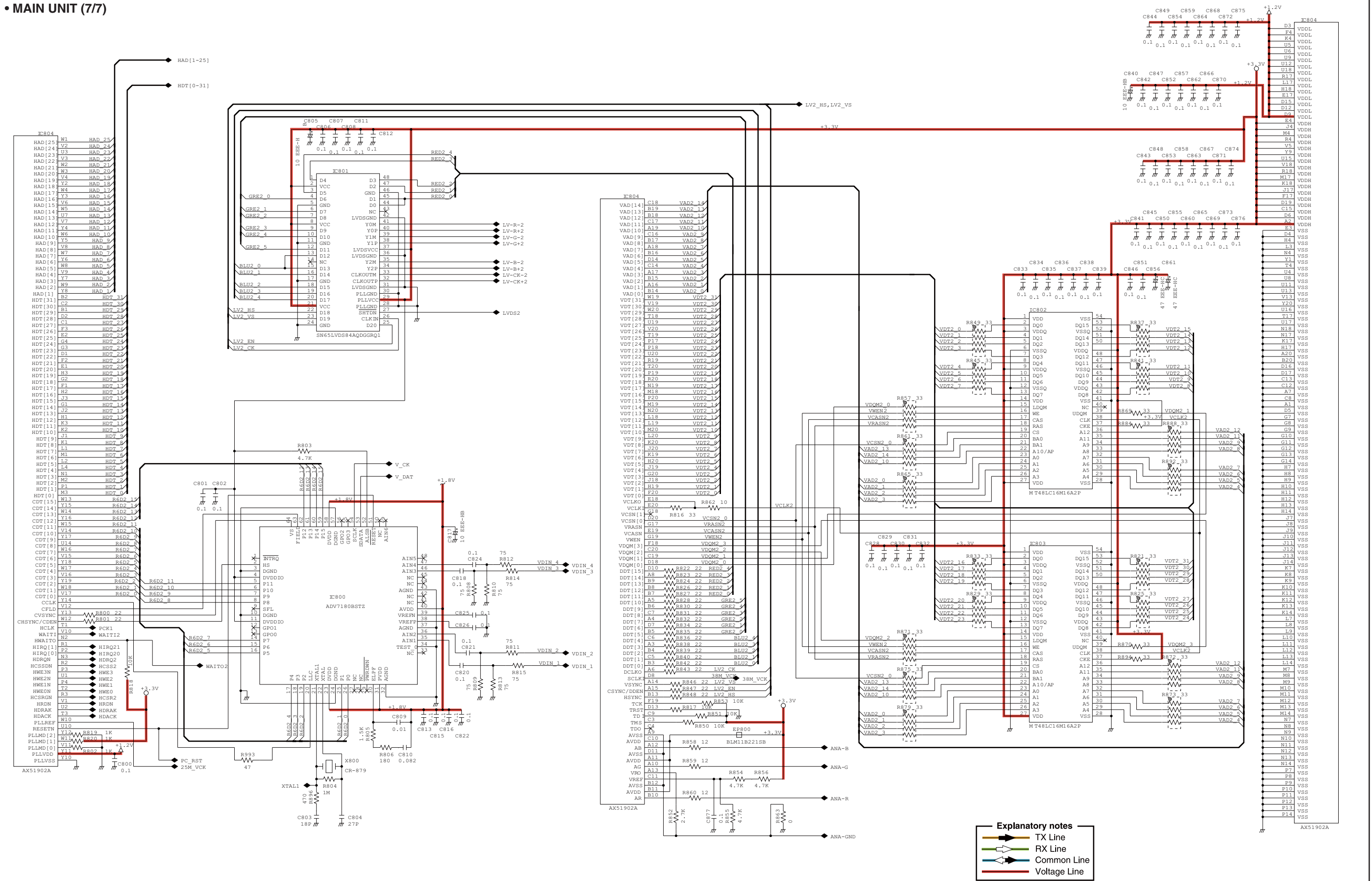
*: Refer to the PARTS LIST for the value and name of component.

- **MAIN UNIT (6/7)**



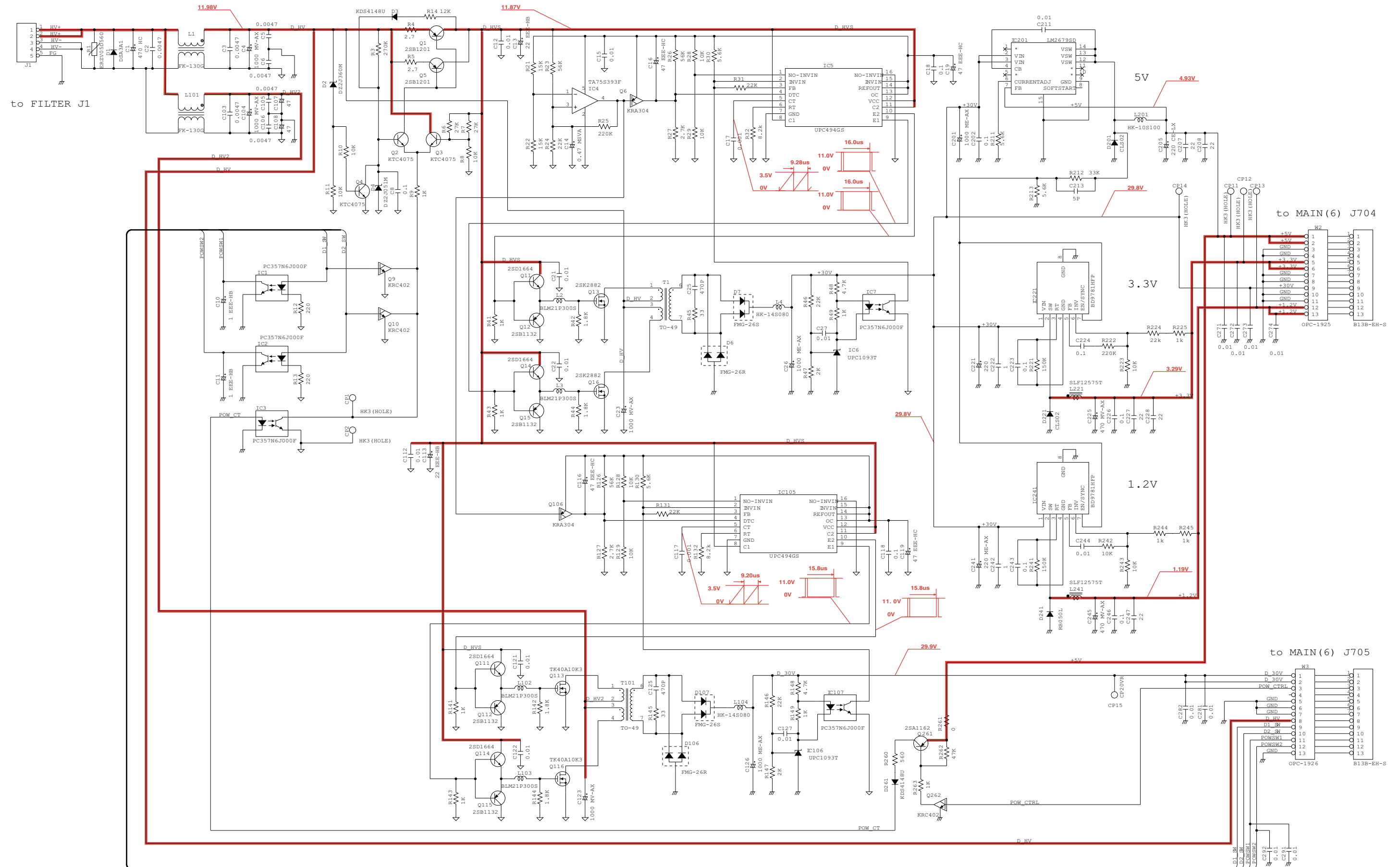
*: Refer to the PARTS LIST for the value and name of component.

• MAIN UNIT (7/7)



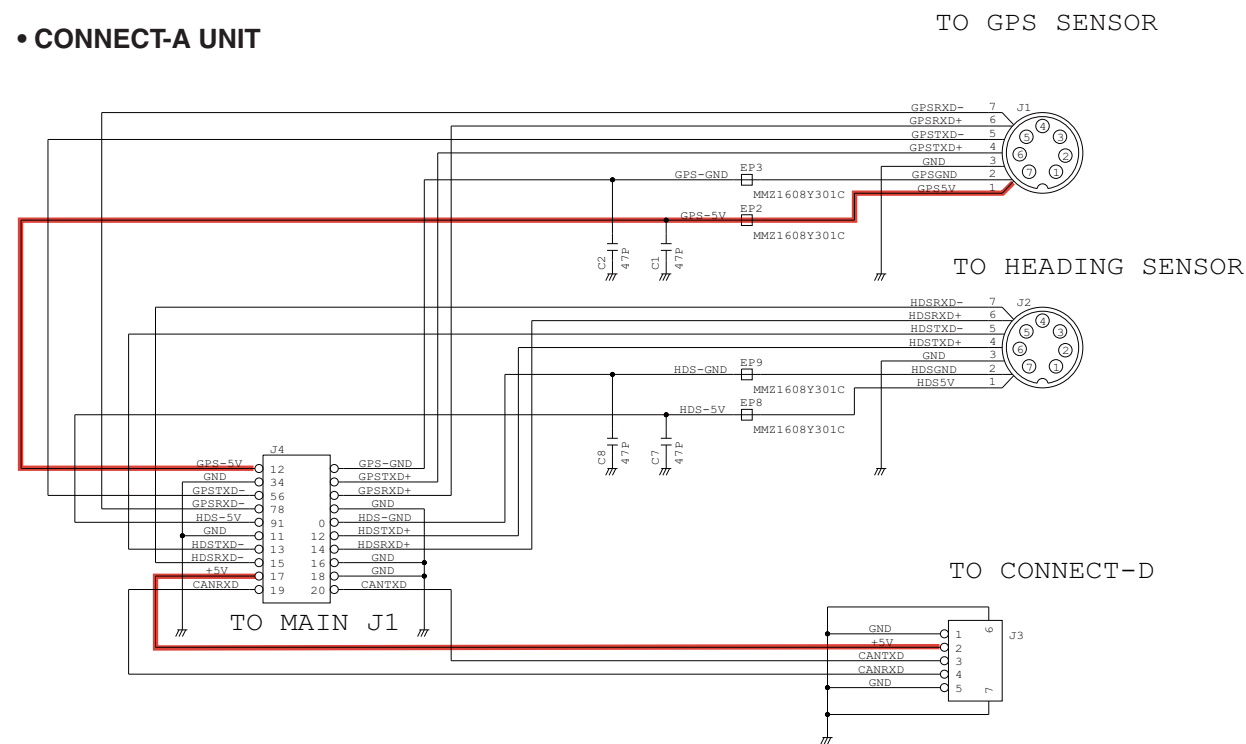
*: Refer to the PARTS LIST for the value and name of component.

- REG UNIT

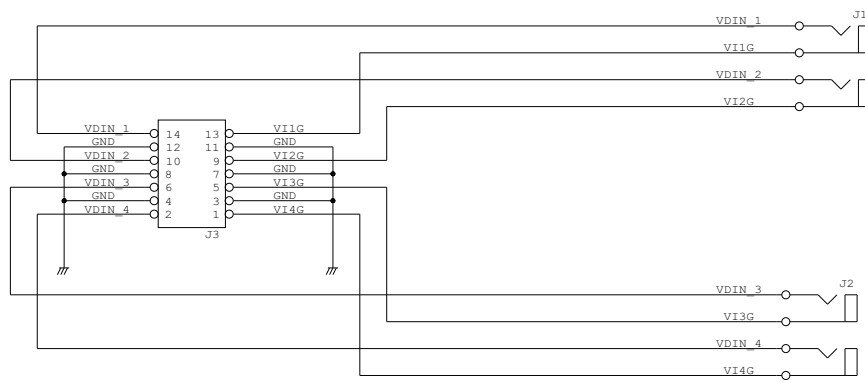


*: Refer to the PARTS LIST for the value and name of component.

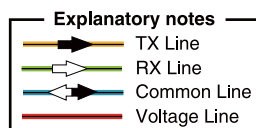
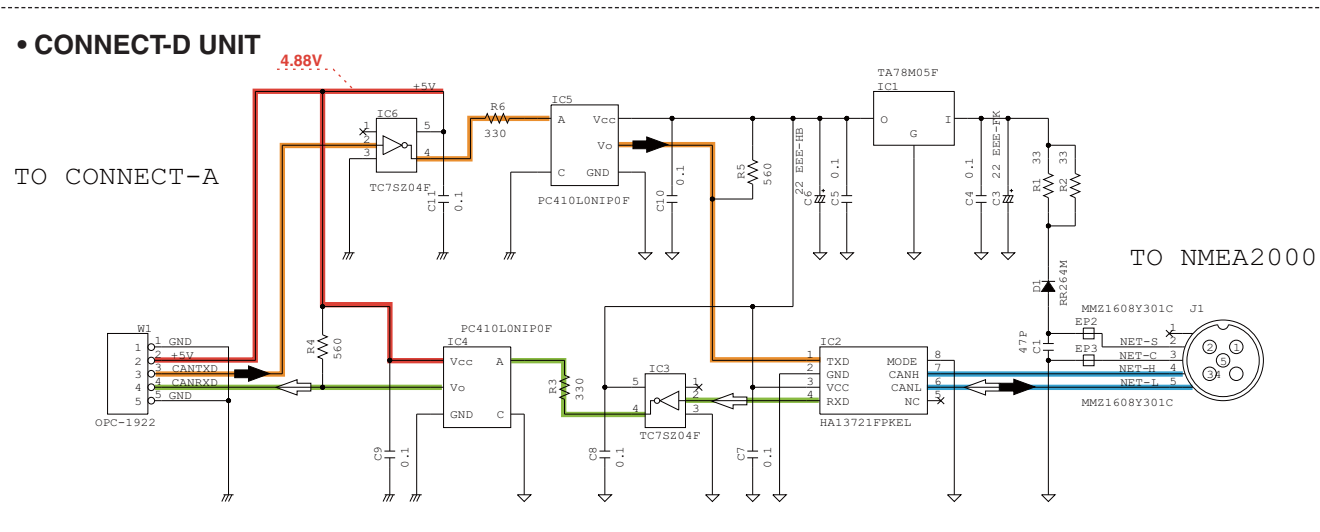
• CONNECT-A UNIT



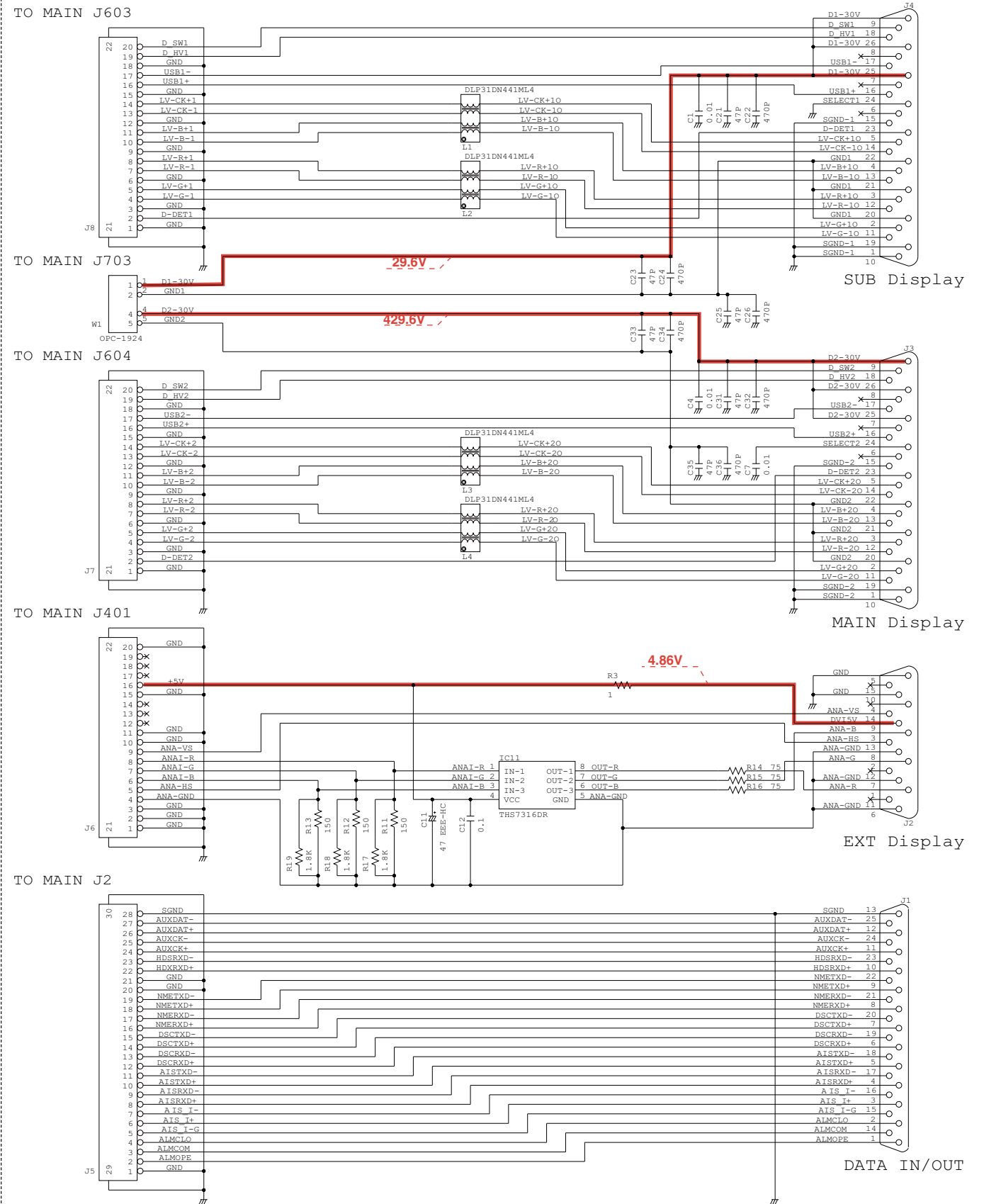
• CONNECT-C UNIT



• CONNECT-D UNIT

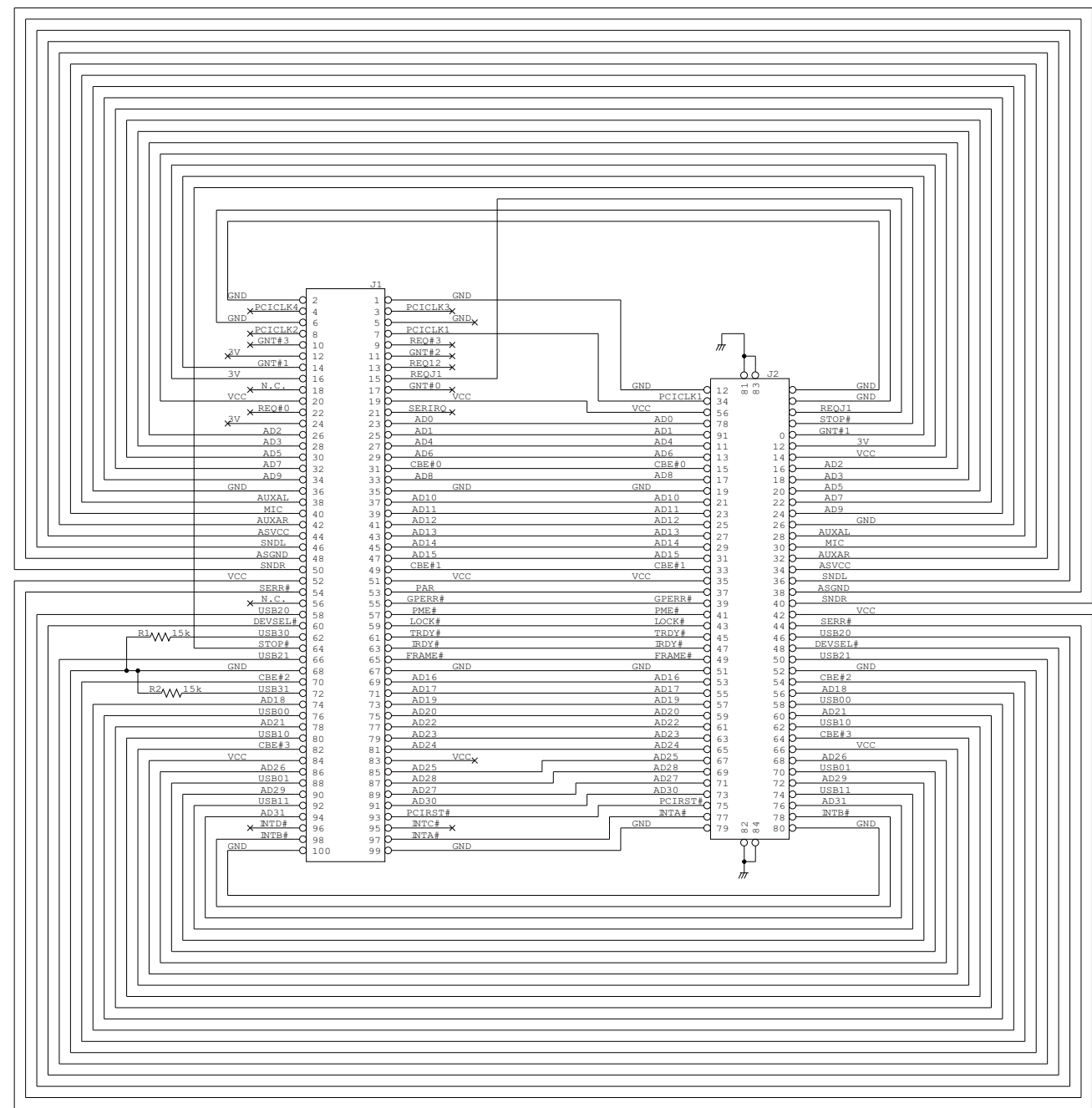


• CONNECT-B UNIT

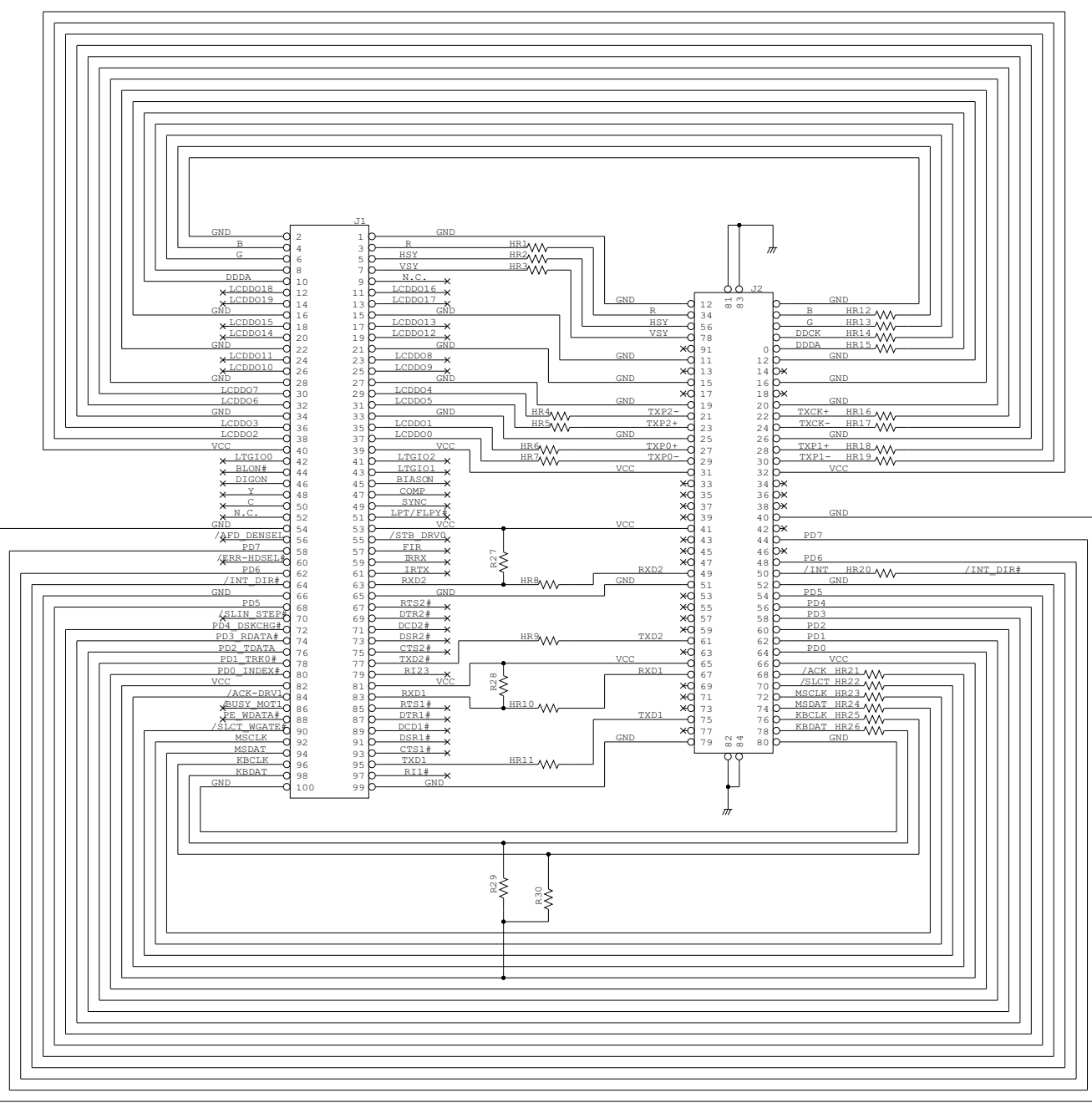


*: Refer to the PARTS LIST for the value and name of component.

• JUNCTION-A UNIT



• JUNCTION-C UNIT



• JUNCTION-D UNIT

• **FILTER UNIT**

The schematic diagram illustrates the internal circuitry of the Filter Unit. It features four NFM60R20T152 components, labeled FI1, FI2, FI3, and FI4, connected in a series configuration. The circuit includes input terminals BATT+, BATT-, and FG, and output terminals HV+, HV-, and FG. Various capacitors (C1-C9) and resistors (R1, R2) are shown, along with a connector J1.

Key components and connections include:

- Input Terminals:** BATT+, BATT-, and FG.
- Output Terminals:** HV+, HV-, and FG.
- Capacitors:** C1 (33 HWN), C2 (0.1), C3 (470 HC), C4 (33 HWN), C5 (0.1), C6 (0.01), C7 (0.001), C8 (470P), and C9 (0.1).
- Resistors:** R1 and R2.
- Connector:** J1.

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