



SERVICE MANUAL

IDAS TRUNKING CONTROLLER
IC-FC5000E

S-15217XZ-C1
February 2016

INTRODUCTION

This service manual describes the latest technical information for the **IC-FC5000E** IDAS TRUNKING CONTROLLER, at the time of publication.

MODEL	VERSION	VERSION NUMBER
IC-FC5000E	EXP-01	#01

SERVICE CAUTION

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

DO NOT expose the Controller to rain, snow or liquids.

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

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>

1120003070 S.IC MAX3232E IC-FC5000E MAIN UNIT 1 piece
1130006891 S.IC TC7S04FU IC-FC5000E MAIN UNIT 5 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 Controller.
2. **DO NOT** open the Controller until the Controller is disconnected from its power source.
3. **DO NOT** short any circuits or electronic parts.
4. **DO NOT** keep power ON for a long time when the Controller is defective.

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■ General

- Power supply voltage: 12 V DC nominal (negative ground)
- Current drain (approximately): 600 mA
- Operating temperature range: 0°C to +40°C, 32°F to +104°F
- Dimensions (projections not included): 483 (W) × 44 (H) × 219 (D) mm: 19(W) × 1.7(H) × 8.6(D) inches
- Weight (approximately): 2.25 kg, 5 lb

SECTION 2

PARTS LIST

[MAIN UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
IC21	6910025580	S.DC BD95861MUV-E2	T	14.3/51.9
IC51	1110006260	S.IC BD5242G-TR	B	19.9/12.2
IC101	1180004450	S.REG RT8296BLZSP <MAX>	T	17.1/85.8
IC201	1180004450	S.REG RT8296BLZSP <MAX>	T	17.1/99.8
IC301	1180004450	S.REG RT8296BLZSP <MAX>	T	17.1/114.8
IC401	1180004450	S.REG RT8296BLZSP <MAX>	T	17.1/71.8
IC501	1110009020	S.IC TPS659116A2ZRCR	T	47.2/51.3
IC1001	1140017260	S.IC OPV5HB-23-10	T	98.1/61.9
IC1101	1130018400	S.IC K4B8G1646Q-MYK0 <UST>	T	69.3/57.9
IC1201	1130018400	S.IC K4B8G1646Q-MYK0 <UST>	T	69.3/78.1
IC1301	1130018000	S.IC TH58NVG3S0HTAIO	B	105.0/31.5
IC1401	1130017980	S.IC N25Q512A13GSF40G	B	70.2/19.3
IC2001	1180003520	S.REG ST1S06A <TOMEN>	T	122.4/99.1
IC2002	1130016371	S.IC AR8327N-BL1A <TOMEN>	T	99.9/102.4
IC3001	1120003070	S.IC MAX3232EIPWR	T	136.9/21.7
IC3101	1130006891	S.IC TC7S04FU(Te85RF)	B	83.3/37.3
IC3102	1130017130	S.IC TPS2051BDBVR	T	157.1/125.9
IC3201	1190003990	S.IC MIC2005A-1YM6 TR <TRIA>	B	178.1/67.6
IC3202	1130006891	S.IC TC7S04FU(Te85RF)	B	178.2/71.1
IC3251	1190003990	S.IC MIC2005A-1YM6 TR <TRIA>	B	177.9/46.3
IC3252	1130006891	S.IC TC7S04FU(Te85RF)	B	178.2/49.7
IC3301	1130011990	S.IC SN74LVC1G08DCKR	B	133.8/37.1
IC3302	1130011990	S.IC SN74LVC1G08DCKR	B	130.2/35.7
IC3303	1130011990	S.IC SN74LVC1G08DCKR	B	126.4/34.3
IC3304	1110007780	S.IC NUJ7704F3-28A-TE1-#ZZZH	T	125.3/31.0
IC3305	1130017330	S.IC SN74AHC1G125DCKR	T	122.4/33.3
IC3306	1130007421	S.IC TC7W14FU(Te12LF)	T	117.7/37.6
IC3307	1130007431	S.IC TC7S14FU(Te85RF)	T	121.2/42.4
IC3308	1130007181	S.IC TC7WU04FU(Te12LF)	B	106.3/43.2
Q51	1530001951	S.TRA 2SC2712-GR(Te85RF)	B	17.1/15.1
Q501	1560002220	S.FET 2SK3377-Z-E1-AZ	B	13.2/30.5
Q502	1560002220	S.FET 2SK3377-Z-E1-AZ	B	24.4/27.6
Q503	1590005060	S.FET TP8C132LQ(S	B	26.0/18.8
Q504	1510000920	S.TRA 2SA1577 T106 Q	B	18.0/18.8
Q3108	1590004330	S.TRA DRC9114EOL	T	138.6/35.3
D501	1750003390	S.ZEN RCLAMP1521P.TCT <MSK>	T	29.4/58.4
D1601	1750002880	S.DIO DB2J31000L	T	183.9/27.6
D2001	1750002880	S.DIO DB2J31000L	T	84.3/96.1
D2002	1750002880	S.DIO DB2J31000L	T	86.1/96.1
D2003	1750002880	S.DIO DB2J31000L	T	82.6/96.1
D2101	1750003390	S.ZEN RCLAMP1521P.TCT <MSK>	T	128.8/125.1
D2102	1750003390	S.ZEN RCLAMP1521P.TCT <MSK>	T	126.7/125.1
D2103	1750003390	S.ZEN RCLAMP1521P.TCT <MSK>	T	125.7/125.1
D2104	1750003390	S.ZEN RCLAMP1521P.TCT <MSK>	T	123.6/125.1
D2105	1750003390	S.ZEN RCLAMP1521P.TCT <MSK>	T	122.6/125.1
D2106	1750003390	S.ZEN RCLAMP1521P.TCT <MSK>	T	120.6/125.1
D2107	1750003390	S.ZEN RCLAMP1521P.TCT <MSK>	T	119.6/125.1
D2108	1750003390	S.ZEN RCLAMP1521P.TCT <MSK>	T	117.4/125.1
D2109	1750003390	S.ZEN RCLAMP1521P.TCT <MSK>	T	116.4/125.1
D2110	1750003390	S.ZEN RCLAMP1521P.TCT <MSK>	T	114.3/125.1
D2111	1750003390	S.ZEN RCLAMP1521P.TCT <MSK>	T	113.3/125.1
D2112	1750003390	S.ZEN RCLAMP1521P.TCT <MSK>	T	111.3/125.1
D2113	1750003390	S.ZEN RCLAMP1521P.TCT <MSK>	T	110.3/125.1
D2114	1750003390	S.ZEN RCLAMP1521P.TCT <MSK>	T	108.3/125.1
D2115	1750003390	S.ZEN RCLAMP1521P.TCT <MSK>	T	107.3/125.1
D2116	1750003390	S.ZEN RCLAMP1521P.TCT <MSK>	T	105.3/125.1
D2117	1750003390	S.ZEN RCLAMP1521P.TCT <MSK>	T	92.7/125.1
D2118	1750003390	S.ZEN RCLAMP1521P.TCT <MSK>	T	90.7/125.1
D2119	1750003390	S.ZEN RCLAMP1521P.TCT <MSK>	T	89.7/125.1
D2120	1750003390	S.ZEN RCLAMP1521P.TCT <MSK>	T	87.7/125.1
D2121	1750003390	S.ZEN RCLAMP1521P.TCT <MSK>	T	86.7/125.1
D2122	1750003390	S.ZEN RCLAMP1521P.TCT <MSK>	T	84.6/125.1
D2123	1750003390	S.ZEN RCLAMP1521P.TCT <MSK>	T	83.6/125.1
D2124	1750003390	S.ZEN RCLAMP1521P.TCT <MSK>	T	81.4/125.1
D2125	1750003390	S.ZEN RCLAMP1521P.TCT <MSK>	T	80.4/125.1
D2126	1750003390	S.ZEN RCLAMP1521P.TCT <MSK>	T	78.4/125.1
D2127	1750003390	S.ZEN RCLAMP1521P.TCT <MSK>	T	77.4/125.1
D2128	1750003390	S.ZEN RCLAMP1521P.TCT <MSK>	T	75.4/125.1
D2129	1750003390	S.ZEN RCLAMP1521P.TCT <MSK>	T	74.4/125.1
D2130	1750003390	S.ZEN RCLAMP1521P.TCT <MSK>	T	72.4/125.1
D2131	1750003390	S.ZEN RCLAMP1521P.TCT <MSK>	T	71.4/125.1
D2132	1750003390	S.ZEN RCLAMP1521P.TCT <MSK>	T	69.4/125.0
D2201	1750003390	S.ZEN RCLAMP1521P.TCT <MSK>	T	61.3/126.7
D2202	1750003390	S.ZEN RCLAMP1521P.TCT <MSK>	T	59.3/126.7
D2203	1750003390	S.ZEN RCLAMP1521P.TCT <MSK>	T	58.3/126.7
D2204	1750003390	S.ZEN RCLAMP1521P.TCT <MSK>	T	56.2/126.7
D2205	1750003390	S.ZEN RCLAMP1521P.TCT <MSK>	T	55.2/126.7
D2206	1750003390	S.ZEN RCLAMP1521P.TCT <MSK>	T	53.2/126.7
D2207	1750003390	S.ZEN RCLAMP1521P.TCT <MSK>	T	52.2/126.7
D2208	1750003390	S.ZEN RCLAMP1521P.TCT <MSK>	T	50.2/126.7
D3101	1750003390	S.ZEN RCLAMP1521P.TCT <MSK>	T	169.5/130.6
D3102	1750003390	S.ZEN RCLAMP1521P.TCT <MSK>	T	166.7/130.6
D3103	1750003390	S.ZEN RCLAMP1521P.TCT <MSK>	T	165.3/130.6
D3104	1750003390	S.ZEN RCLAMP1521P.TCT <MSK>	T	162.2/130.6
D3105	1750003390	S.ZEN RCLAMP1521P.TCT <MSK>	T	160.2/130.6
D3106	1750003390	S.ZEN RCLAMP1521P.TCT <MSK>	T	153.7/130.6
D3107	1750003390	S.ZEN RCLAMP1521P.TCT <MSK>	T	151.5/130.6
D3108	1750003390	S.ZEN RCLAMP1521P.TCT <MSK>	T	149.3/130.6
D3201	1750003390	S.ZEN RCLAMP1521P.TCT <MSK>	T	184.1/75.9
D3202	1750003390	S.ZEN RCLAMP1521P.TCT <MSK>	T	184.1/77.8
D3203	1750003390	S.ZEN RCLAMP1521P.TCT <MSK>	T	181.5/80.3
D3204	1750003390	S.ZEN RCLAMP1521P.TCT <MSK>	T	182.7/78.7
D3205	1750003390	S.ZEN RCLAMP1521P.TCT <MSK>	T	182.7/75.0
D3206	1750003390	S.ZEN RCLAMP1521P.TCT <MSK>	T	181.5/73.1

[MAIN UNIT]

REF NO.	PARTS NO.	DESCRIPTION		M.	H/V LOCATION
D3251	1750003390	S.ZEN	RCLAMP1521P.TCT <MSK>	T	184.1/54.9
D3252	1750003390	S.ZEN	RCLAMP1521P.TCT <MSK>	T	184.1/57.0
D3253	1750003390	S.ZEN	RCLAMP1521P.TCT <MSK>	T	181.5/60.0
D3254	1750003390	S.ZEN	RCLAMP1521P.TCT <MSK>	T	182.7/58.1
D3255	1750003390	S.ZEN	RCLAMP1521P.TCT <MSK>	T	182.7/53.9
D3256	1750003390	S.ZEN	RCLAMP1521P.TCT <MSK>	T	181.5/52.1
F11	4580000250	S.FIL	CPFC6D36-100M06I	T	16.2/135.2
FI2121	4580000280	S.FIL	DLP11SN121SL2	T	127.7/127.6
FI2122	4580000280	S.FIL	DLP11SN121SL2	T	124.6/127.6
FI2123	4580000280	S.FIL	DLP11SN121SL2	T	121.6/127.6
FI2124	4580000280	S.FIL	DLP11SN121SL2	T	118.5/127.6
FI2125	4580000280	S.FIL	DLP11SN121SL2	T	115.5/127.6
FI2126	4580000280	S.FIL	DLP11SN121SL2	T	112.4/127.6
FI2127	4580000280	S.FIL	DLP11SN121SL2	T	109.4/127.6
FI2128	4580000280	S.FIL	DLP11SN121SL2	T	106.3/127.6
FI2151	4580000280	S.FIL	DLP11SN121SL2	T	79.5/127.6
FI2152	4580000280	S.FIL	DLP11SN121SL2	T	76.5/127.6
FI2153	4580000280	S.FIL	DLP11SN121SL2	T	73.4/127.6
FI2154	4580000280	S.FIL	DLP11SN121SL2	T	70.4/127.6
FI2155	4580000280	S.FIL	DLP11SN121SL2	T	91.8/127.6
FI2156	4580000280	S.FIL	DLP11SN121SL2	T	88.7/127.6
FI2157	4580000280	S.FIL	DLP11SN121SL2	T	85.7/127.6
FI2158	4580000280	S.FIL	DLP11SN121SL2	T	82.6/127.6
FI2221	4580000280	S.FIL	DLP11SN121SL2	T	60.3/128.4
FI2222	4580000280	S.FIL	DLP11SN121SL2	T	57.3/128.4
FI2223	4580000280	S.FIL	DLP11SN121SL2	T	54.2/128.4
FI2224	4580000280	S.FIL	DLP11SN121SL2	T	51.2/128.4
F13201	4580000260	S.FIL	EXC24CF900U	T	182.1/76.9
F13251	4580000260	S.FIL	EXC24CF900U	T	182.4/56.0
X501	6050011030	S.XTA	DMX-26S 32.768kHz	B	38.8/66.2
X2001	6050013920	S.XTA	CR-992 DSX321G 25 MHz	T	106.1/116.1
X3301	6050013920	S.XTA	CR-992 DSX321G 25 MHz	B	106.0/39.7
X3302	6050013250	S.XTA	CR-925 (NX3215SA 32.768kHz)	T	102.3/39.6
L101	6200015320	S.COI	VLP6045LT-4R7M	T	24.0/83.6
L201	6200015320	S.COI	VLP6045LT-4R7M	T	24.0/97.6
L301	6200015320	S.COI	VLP6045LT-4R7M	T	24.0/112.6
L401	6200015320	S.COI	VLP6045LT-4R7M	T	24.0/69.6
L501	6200015580	S.COI	SLF6045T-2R2N3R3-3PF	B	56.9/40.7
L502	6200015580	S.COI	SLF6045T-2R2N3R3-3PF	B	33.7/58.0
L503	6200015610	S.COI	1255AY-2R7N=P3	T	26.3/34.7
L2001	6200013640	S.COI	SHP0520P-F3R3A	T	117.0/100.2
L2002	6200011950	S.COI	LQG15HN18NJ02D	T	93.0/110.1
R1	7030005090	S.RES	ERJ2GEJ 104 X (100K)	B	9.2/54.8
R5	7030000010	S.RES	MCR10EZJ JPW (000)	T	11.9/45.7
R21	7030009591	S.RES	ERA3YED 472V (4.7K)	T	9.9/51.9
R22	7030007900	S.RES	ERJ3KEF 2402 V (24K)	T	10.3/54.6
R23	7030010770	S.RES	ERA3YED 681V (680)	T	10.3/57.4
R24	7030005090	S.RES	ERJ2GEJ 104 X (100K)	B	11.5/53.5
R25	7030007250	S.RES	ERJ2GEJ 220 X (22)	B	14.4/56.8
R26	7030000010	S.RES	MCR10EZJ JPW (000)	T	20.8/60.6
R51	7030005050	S.RES	ERJ2GEJ 103 X (10K)	B	16.5/11.7
R52	7030005120	S.RES	ERJ2GEJ 102 X (1K)	B	16.5/12.9
R53	7030007570	S.RES	ERJ2GEJ 122 X (1.2K)	B	18.6/16.5
R54	7030005050	S.RES	ERJ2GEJ 103 X (10K)	B	20.1/17.9
R55	7030005590	S.RES	ERJ2GEJ 680 X (68)	B	19.8/20.7
R56	7030005050	S.RES	ERJ2GEJ 103 X (10K)	B	20.8/21.8
R101	7030000010	S.RES	MCR10EZJ JPW (000)	T	11.2/87.1
R102	7030010040	S.RES	ERJ2GEJ-JPW	T	16.0/91.3
R103	7030005451	S.RES	ERA3YED 153V (15K)	T	21.2/90.9
R104	7030006461	S.RES	ERA3YED 152V (1.5K)	T	19.0/91.3
R105	7030005220	S.RES	ERJ2GEJ 223 X (22K)	T	16.9/91.3
R106	7030005341	S.RES	ERA3YED 332V (3.3K)	T	21.2/92.1
R107	7030000010	S.RES	MCR10EZJ JPW (000)	T	29.4/85.5
R201	7030000010	S.RES	MCR10EZJ JPW (000)	T	11.2/101.1
R203	7030005691	S.RES	ERA3YED 123V (12K)	T	20.9/106.3
R204	7030005691	S.RES	ERA3YED 123V (12K)	T	19.0/105.6
R205	7030005050	S.RES	ERJ2GEJ 103 X (10K)	T	16.9/105.3
R206	7030008071	S.RES	ERA3YED 273V (27K)	T	20.9/104.8
R207	7030000010	S.RES	MCR10EZJ JPW (000)	T	29.3/100.2
R210	7030010040	S.RES	ERJ2GEJ-JPW	T	15.8/105.4
R301	7030000010	S.RES	MCR10EZJ JPW (000)	T	11.2/116.1
R302	7030005050	S.RES	ERJ2GEJ 103 X (10K)	T	16.0/120.3
R303	7030005451	S.RES	ERA3YED 153V (15K)	T	21.2/119.9
R304	7030006461	S.RES	ERA3YED 152V (1.5K)	T	19.0/120.3
R305	7030005220	S.RES	ERJ2GEJ 223 X (22K)	T	16.9/120.3
R306	7030005341	S.RES	ERA3YED 332V (3.3K)	T	21.2/121.1
R307	7030000010	S.RES	MCR10EZJ JPW (000)	T	29.3/114.1
R401	7030000010	S.RES	MCR10EZJ JPW (000)	T	11.2/73.1
R402	7030005050	S.RES	ERJ2GEJ 103 X (10K)	T	16.0/77.3
R403	7030005691	S.RES	ERA3YED 123V (12K)	T	21.1/78.1
R404	7030005691	S.RES	ERA3YED 123V (12K)	T	19.0/77.3
R405	7030005050	S.RES	ERJ2GEJ 103 X (10K)	T	16.9/77.3
R406	7030008071	S.RES	ERA3YED 273V (27K)	T	21.1/76.9
R407	7030000010	S.RES	MCR10EZJ JPW (000)	T	29.4/72.8
R501	7030005050	S.RES	ERJ2GEJ 103 X (10K)	T	29.3/50.4
R502	7030007570	S.RES	ERJ2GEJ 122 X (1.2K)	B	45.4/59.0
R503	7030007570	S.RES	ERJ2GEJ 122 X (1.2K)	B	46.4/59.0
R504	7030005090	S.RES	ERJ2GEJ 104 X (100K)	T	29.3/57.4
R505	7030005050	S.RES	ERJ2GEJ 103 X (10K)	T	44.4/59.0
R506	7030010040	S.RES	ERJ2GEJ-JPW	T	39.1/49.9

[MAIN UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
R507	7030010040	S.RES ERJ2GEJ-JPW	B	39.0/60.6
R508	7030005050	S.RES ERJ2GEJ 103 X (10K)	T	49.3/59.0
R510	7030010040	S.RES ERJ2GEJ-JPW	B	39.5/58.7
R511	7030005050	S.RES ERJ2GEJ 103 X (10K)	T	50.3/59.0
R512	7030010040	S.RES ERJ2GEJ-JPW	B	49.9/43.9
R513	7030010040	S.RES ERJ2GEJ-JPW	B	50.9/43.4
R514	7030007350	S.RES ERJ2GEJ 393 X (39K)	B	49.0/43.4
R515	7030005050	S.RES ERJ2GEJ 103 X (10K)	T	39.1/48.9
R517	7030010040	S.RES ERJ2GEJ-JPW	B	49.5/52.1
R601	7030005050	S.RES ERJ2GEJ 103 X (10K)	B	73.3/43.0
R602	7030005050	S.RES ERJ2GEJ 103 X (10K)	B	72.0/43.0
R603	7030005050	S.RES ERJ2GEJ 103 X (10K)	B	70.7/43.0
R604	7030005050	S.RES ERJ2GEJ 103 X (10K)	B	69.5/43.0
R605	7030005050	S.RES ERJ2GEJ 103 X (10K)	B	62.3/43.0
R606	7030005050	S.RES ERJ2GEJ 103 X (10K)	B	41.4/74.1
R607	7030005050	S.RES ERJ2GEJ 103 X (10K)	B	40.2/77.4
R608	7030005050	S.RES ERJ2GEJ 103 X (10K)	B	38.9/74.1
R609	7030005050	S.RES ERJ2GEJ 103 X (10K)	B	79.2/33.3
R610	7030005050	S.RES ERJ2GEJ 103 X (10K)	B	78.0/33.3
R611	7030005050	S.RES ERJ2GEJ 103 X (10K)	B	76.7/33.3
R612	7030005050	S.RES ERJ2GEJ 103 X (10K)	B	75.4/33.3
R613	7030005050	S.RES ERJ2GEJ 103 X (10K)	B	66.1/43.0
R614	7030005050	S.RES ERJ2GEJ 103 X (10K)	B	64.8/43.0
R615	7030005050	S.RES ERJ2GEJ 103 X (10K)	B	63.5/43.0
R651	7030005000	S.RES ERJ2GEJ 471 X (470)	T	108.7/32.8
R652	7030005000	S.RES ERJ2GEJ 471 X (470)	T	108.4/30.1
R1001	7030004980	S.RES ERJ2GEJ 101 X (100)	B	58.3/52.5
R1002	7030004980	S.RES ERJ2GEJ 101 X (100)	T	58.3/52.5
R1003	7030004980	S.RES ERJ2GEJ 101 X (100)	B	68.2/48.6
R1004	7030004980	S.RES ERJ2GEJ 101 X (100)	T	68.2/48.6
R1005	7030004980	S.RES ERJ2GEJ 101 X (100)	B	58.3/54.5
R1006	7030004980	S.RES ERJ2GEJ 101 X (100)	T	58.3/54.5
R1007	7030004980	S.RES ERJ2GEJ 101 X (100)	B	58.3/53.5
R1008	7030004980	S.RES ERJ2GEJ 101 X (100)	T	58.3/53.5
R1009	7030004980	S.RES ERJ2GEJ 101 X (100)	B	63.2/48.6
R1010	7030004980	S.RES ERJ2GEJ 101 X (100)	T	63.2/48.6
R1011	7030004980	S.RES ERJ2GEJ 101 X (100)	B	58.3/55.5
R1012	7030004980	S.RES ERJ2GEJ 101 X (100)	T	58.3/55.5
R1013	7030004980	S.RES ERJ2GEJ 101 X (100)	B	62.2/48.6
R1014	7030004980	S.RES ERJ2GEJ 101 X (100)	T	62.2/48.6
R1015	7030004980	S.RES ERJ2GEJ 101 X (100)	B	58.3/59.5
R1016	7030004980	S.RES ERJ2GEJ 101 X (100)	T	58.3/59.5
R1017	7030004980	S.RES ERJ2GEJ 101 X (100)	B	61.2/48.6
R1018	7030004980	S.RES ERJ2GEJ 101 X (100)	T	61.2/48.6
R1019	7030004980	S.RES ERJ2GEJ 101 X (100)	B	58.3/57.5
R1020	7030004980	S.RES ERJ2GEJ 101 X (100)	T	58.3/57.5
R1021	7030004980	S.RES ERJ2GEJ 101 X (100)	B	71.2/48.6
R1022	7030004980	S.RES ERJ2GEJ 101 X (100)	T	71.2/48.6
R1023	7030004980	S.RES ERJ2GEJ 101 X (100)	B	60.2/48.6
R1024	7030004980	S.RES ERJ2GEJ 101 X (100)	T	60.2/48.6
R1025	7030004980	S.RES ERJ2GEJ 101 X (100)	B	67.2/48.6
R1026	7030004980	S.RES ERJ2GEJ 101 X (100)	T	67.2/48.6
R1027	7030004980	S.RES ERJ2GEJ 101 X (100)	B	58.3/56.5
R1028	7030004980	S.RES ERJ2GEJ 101 X (100)	T	58.3/56.5
R1029	7030004980	S.RES ERJ2GEJ 101 X (100)	B	58.3/51.5
R1030	7030004980	S.RES ERJ2GEJ 101 X (100)	T	58.3/51.5
R1031	7030004980	S.RES ERJ2GEJ 101 X (100)	B	69.2/48.6
R1032	7030004980	S.RES ERJ2GEJ 101 X (100)	T	69.2/48.6
R1033	7030004980	S.RES ERJ2GEJ 101 X (100)	B	70.2/48.6
R1034	7030004980	S.RES ERJ2GEJ 101 X (100)	T	70.2/48.6
R1035	7030004980	S.RES ERJ2GEJ 101 X (100)	B	72.2/48.6
R1036	7030004980	S.RES ERJ2GEJ 101 X (100)	T	72.2/48.6
R1037	7030004980	S.RES ERJ2GEJ 101 X (100)	B	58.3/64.5
R1038	7030004980	S.RES ERJ2GEJ 101 X (100)	T	58.3/64.5
R1039	7030004980	S.RES ERJ2GEJ 101 X (100)	B	58.3/63.5
R1040	7030004980	S.RES ERJ2GEJ 101 X (100)	T	58.3/63.5
R1041	7030004980	S.RES ERJ2GEJ 101 X (100)	B	58.3/58.5
R1042	7030004980	S.RES ERJ2GEJ 101 X (100)	T	58.3/58.5
R1043	7030004980	S.RES ERJ2GEJ 101 X (100)	B	58.3/60.5
R1044	7030004980	S.RES ERJ2GEJ 101 X (100)	T	58.3/60.5
R1045	7030004980	S.RES ERJ2GEJ 101 X (100)	B	58.3/67.5
R1046	7030004980	S.RES ERJ2GEJ 101 X (100)	T	58.3/67.5
R1047	7030004980	S.RES ERJ2GEJ 101 X (100)	B	58.3/62.5
R1048	7030004980	S.RES ERJ2GEJ 101 X (100)	T	58.3/62.5
R1049	7030004980	S.RES ERJ2GEJ 101 X (100)	B	66.2/48.6
R1050	7030004980	S.RES ERJ2GEJ 101 X (100)	T	66.2/48.6
R1051	7030004980	S.RES ERJ2GEJ 101 X (100)	B	58.3/61.5
R1052	7030004980	S.RES ERJ2GEJ 101 X (100)	T	58.3/61.5
R1053	7030004980	S.RES ERJ2GEJ 101 X (100)	B	58.3/65.5
R1054	7030004980	S.RES ERJ2GEJ 101 X (100)	T	58.3/65.5
R1055	7030004980	S.RES ERJ2GEJ 101 X (100)	B	58.3/66.5
R1056	7030004980	S.RES ERJ2GEJ 101 X (100)	T	58.3/66.5
R1057	7030010040	S.RES ERJ2GEJ-JPW	B	94.8/74.3
R1060	7030014310	S.RES ERJ2GEJ241X (240)	B	83.9/67.1
R1064	7030013140	S.RES ERJ2RKF 1001X (1K)	B	83.9/68.1
R1065	7030013140	S.RES ERJ2RKF 1001X (1K)	B	97.9/75.0
R1066	7030013140	S.RES ERJ2RKF 1001X (1K)	B	99.9/75.0
R1067	7030013140	S.RES ERJ2RKF 1001X (1K)	B	83.9/70.1
R1101	7030013140	S.RES ERJ2RKF 1001X (1K)	B	64.2/51.4
R1102	7030013140	S.RES ERJ2RKF 1001X (1K)	T	72.1/65.7
R1103	7030013140	S.RES ERJ2RKF 1001X (1K)	T	70.1/65.7
R1104	7030010040	S.RES ERJ2GEJ-JPW	B	68.1/65.7
R1105	7030010040	S.RES ERJ2GEJ-JPW	B	69.3/53.9
R1106	7030010040	S.RES ERJ2GEJ-JPW	T	69.1/65.7
R1107	7030013140	S.RES ERJ2RKF 1001X (1K)	B	65.2/51.4
R1108	7030014310	S.RES ERJ2GEJ241X (240)	T	73.2/48.6
R1109	7030014310	S.RES ERJ2GEJ241X (240)	T	74.2/48.6
R1201	7030013140	S.RES ERJ2RKF 1001X (1K)	T	66.7/70.3
R1202	7030013140	S.RES ERJ2RKF 1001X (1K)	T	71.7/85.8
R1203	7030013140	S.RES ERJ2RKF 1001X (1K)	T	70.7/85.8
R1204	7030010040	S.RES ERJ2GEJ-JPW	B	66.5/82.5
R1205	7030010040	S.RES ERJ2GEJ-JPW	B	68.5/73.3
R1206	7030010040	S.RES ERJ2GEJ-JPW	B	69.7/82.5
R1207	7030013140	S.RES ERJ2RKF 1001X (1K)	T	64.7/70.3
R1208	7030004980	S.RES ERJ2GEJ 101 X (100)	B	68.9/57.7

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
R1209	7030014310	S.RES ERJ2GEJ241X (240)	T	67.7/70.3
R1210	7030014310	S.RES ERJ2GEJ241X (240)	T	68.7/70.3
R1302	7030005240	S.RES ERJ2GEJ 473 X (47K)	B	116.9/34.7
R1305	7030005040	S.RES ERJ2GEJ 472 X (4.7K)	T	114.0/35.6
R1307	7030005040	S.RES ERJ2GEJ 472 X (4.7K)	T	112.8/33.4
R1308	7030005040	S.RES ERJ2GEJ 472 X (4.7K)	B	116.9/32.6
R1322	7030005240	S.RES ERJ2GEJ 473 X (47K)	B	116.9/28.9
R1323	7030005240	S.RES ERJ2GEJ 473 X (47K)	B	118.4/28.2
R1325	7030005040	S.RES ERJ2GEJ 472 X (4.7K)	T	112.2/30.1
R1328	7030005040	S.RES ERJ2GEJ 472 X (4.7K)	B	116.9/26.6
R1351	7030010040	S.RES ERJ2GEJ-JPW	B	88.5/46.4
R1352	7410001250	S.ARR EXB28V472JX	T	88.9/46.4
R1353	7030005040	S.RES ERJ2GEJ 472 X (4.7K)	B	91.3/46.3
R1354	7030005040	S.RES ERJ2GEJ 472 X (4.7K)	B	92.3/46.3
R1355	7030005040	S.RES ERJ2GEJ 472 X (4.7K)	T	93.3/46.3
R1358	7030005040	S.RES ERJ2GEJ 472 X (4.7K)	T	115.9/31.2
R1406	7030010090	S.RES ERJ2GEJ 180 X (18)	T	83.8/59.8
R1501	7030004980	S.RES ERJ2GEJ 101 X (100)	B	121.1/47.8
R1502	7030004980	S.RES ERJ2GEJ 101 X (100)	B	122.7/47.8
R1503	7030009160	S.RES ERJ2GEJ 181 X (180)	B	122.2/52.1
R1504	7030004990	S.RES ERJ2GEJ 221 X (220)	B	123.8/51.5
R1505	7030007270	S.RES ERJ2GEJ 151 X (150)	B	122.2/51.1
R1506	7030007260	S.RES ERJ2GEJ 330 X (33)	B	112.0/60.1
R1507	7030007260	S.RES ERJ2GEJ 330 X (33)	B	112.0/61.0
R1508	7030007260	S.RES ERJ2GEJ 330 X (33)	B	112.0/62.3
R1509	7030007260	S.RES ERJ2GEJ 330 X (33)	B	112.0/63.3
R1510	7030013820	S.RES ERJ2GEJ 510 X (51)	T	112.0/60.1
R1511	7030013820	S.RES ERJ2GEJ 510 X (51)	T	112.0/61.0
R1512	7030013820	S.RES ERJ2GEJ 510 X (51)	T	112.0/62.3
R1513	7030013820	S.RES ERJ2GEJ 510 X (51)	T	112.0/63.3
R1514	7030005050	S.RES ERJ2GEJ 103 X (10K)	T	159.1/102.7
R1515	7410001220	S.ARR EXB28V103JX	T	159.5/97.9
R1518	7030004980	S.RES ERJ2GEJ 101 X (100)	B	121.1/49.2
R1519	7030004980	S.RES ERJ2GEJ 101 X (100)	B	122.7/49.2
R1520	7030007270	S.RES ERJ2GEJ 151 X (150)	B	122.2/50.2
R1601	7030004980	S.RES ERJ2GEJ 101 X (100)	T	183.5/25.2
R1602	7030004980	S.RES ERJ2GEJ 101 X (100)	T	183.9/30.7
R1603	7030010040	S.RES ERJ2GEJ-JPW	T	182.0/25.3
R2001	7030010040	S.RES ERJ2GEJ-JPW	T	100.5/114.2
R2002	7030010040	S.RES ERJ2GEJ-JPW	T	99.1/114.3
R2003	7030005451	S.RES ERA3YED 153V (15K)	T	122.6/104.2
R2004	7030008121	S.RES ERA3YED 682V (6.8K)	T	119.9/104.2
R2005	7030012490	S.RES ERJ2RKF 4701X (4.7K)	T	101.7/12.5
R2006	7030012490	S.RES ERJ2RKF 4701X (4.7K)	T	100.8/112.4
R2007	7030010040	S.RES ERJ2GEJ-JPW	B	98.9/107.9
R2008	7030005040	S.RES ERJ2GEJ 472 X (4.7K)	T	110.0/102.7
R2009	7030005040	S.RES ERJ2GEJ 472 X (4.7K)	T	108.5/101.3
R2010	7030012490	S.RES ERJ2RKF 4701X (4.7K)	T	90.2/101.2
R2011	7030012490	S.RES ERJ2RKF 4701X (4.7K)	T	89.3/101.2
R2013	7030008280	S.RES ERJ2GEJ 271 X (270)	B	107.5/99.2
R2014	7030008280	S.RES ERJ2GEJ 271 X (270)	B	107.5/98.3
R2015	7030007250	S.RES ERJ2GEJ 220 X (22)	T	109.7/98.9
R2016	7030007250	S.RES ERJ2GEJ 220 X (22)	T	107.7/98.4
R2017	7030010040	S.RES ERJ2GEJ-JPW	T	109.7/96.9
R2018	7030007250	S.RES ERJ2GEJ 220 X (22)	T	107.7/97.4
R2019	7030007250	S.RES ERJ2GEJ 220 X (22)	T	108.3/96.2
R2020	7030010040	S.RES ERJ2GEJ-JPW	B	100.7/96.1
R2021	7030005050	S.RES ERJ2GEJ 103 X (10K)	T	96.0/89.9
R2024	7030005050	S.RES ERJ2GEJ 103 X (10K)	T	87.1/89.3
R2026	7030005050	S.RES ERJ2GEJ 103 X (10K)	T	87.1/92.0
R2027	7030007250	S.RES ERJ2GEJ 220 X (22)	T	101.5/92.3
R2028	7030007250	S.RES ERJ2GEJ 220 X (22)	T	100.9/93.8
R2029	7030007250	S.RES ERJ2GEJ 220 X (22)	T	100.3/92.3
R2030	7030007250	S.RES ERJ2GEJ 220 X (22)	T	99.7/93.9
R2031	7030007250	S.RES ERJ2GEJ 220 X (22)	T	99.3/92.3
R2032	7030007250	S.RES ERJ2GEJ 220 X (22)	T	98.6/93.7
R2033	7030005090	S.RES ERJ2GEJ 104 X (100K)	B	97.1/96.9
R2034	7030010040	S.RES ERJ2GEJ-JPW	B	98.0/96.0
R2035	7030005040	S.RES ERJ2GEJ 472 X (4.7K)	B	103.9/73.8
R2036	7030007250	S.RES ERJ2GEJ 220 X (22)	B	107.0/77.5
R2037	7030007250	S.RES ERJ2GEJ 220 X (22)	B	110.8/77.5
R2038	7030007250	S.RES ERJ2GEJ 220 X (22)	B	107.9/77.5
R2039	7030007250	S.RES ERJ2GEJ 220 X (22)	B	108.9/77.5
R2040	7030007250	S.RES ERJ2GEJ 220 X (22)	B	111.7/77.5
R2041	7030007250	S.RES ERJ2GEJ 220 X (22)	B	105.1/7

[MAIN UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
R2152	7030010900	S.RES ERJ3GEYJ 750 V (75)	B	87.2/141.1
R2153	7030010900	S.RES ERJ3GEYJ 750 V (75)	B	84.1/141.1
R2154	7030010900	S.RES ERJ3GEYJ 750 V (75)	B	81.1/141.1
R2155	7030010900	S.RES ERJ3GEYJ 750 V (75)	B	78.0/141.1
R2156	7030010900	S.RES ERJ3GEYJ 750 V (75)	B	75.0/141.1
R2157	7030010900	S.RES ERJ3GEYJ 750 V (75)	B	71.9/141.1
R2158	7030010900	S.RES ERJ3GEYJ 750 V (75)	B	68.8/141.1
R2221	7030010900	S.RES ERJ3GEYJ 750 V (75)	B	54.3/142.3
R2222	7030010900	S.RES ERJ3GEYJ 750 V (75)	B	51.3/142.3
R2223	7030010900	S.RES ERJ3GEYJ 750 V (75)	B	60.3/142.3
R2224	7030010900	S.RES ERJ3GEYJ 750 V (75)	B	57.3/142.3
R3001	7030003640	S.RES ERJ3GEYJ 473 V (47K)ATEX	B	128.3/11.5
R3101	7410001220	S.ARR EXB28V103JX	T	93.7/41.0
R3102	7410001220	S.ARR EXB28V103JX	T	90.5/38.8
R3103	7030010040	S.RES ERJ2GEJ-JPW	T	98.1/48.1
R3105	7030005040	S.RES ERJ2GEJ 472 X (4.7K)	B	83.7/39.0
R3106	7030005050	S.RES ERJ2GEJ 103 X (10K)	T	161.2/130.5
R3110	7030010040	S.RES ERJ2GEJ-JPW	T	111.3/11.7
R3201	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	114.1/72.5
R3202	7030003560	S.RES ERJ3GEYJ 103 V (10K)ATEX	B	180.5/71.5
R3251	7030003320	S.RES ERJ3GEYJ 101 V (100)	B	114.1/73.8
R3252	7030003560	S.RES ERJ3GEYJ 103 V (10K)ATEX	B	180.4/50.2
R3255	7030003860	S.RES ERJ3GE JPW V	B	192.4/86.8
R3257	7030003860	S.RES ERJ3GE JPW V	B	193.7/46.2
R3259	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	117.0/72.9
R3260	7030003320	S.RES ERJ3GEYJ 101 V (100)	T	117.0/74.2
R3301	7030010040	S.RES ERJ2GEJ-JPW	B	102.7/40.7
R3302	7030010040	S.RES ERJ2GEJ-JPW	B	102.7/43.2
R3303	7030010040	S.RES ERJ2GEJ-JPW	T	103.6/41.5
R3304	7030010040	S.RES ERJ2GEJ-JPW	T	103.0/43.6
R3306	7030005050	S.RES ERJ2GEJ 103 X (10K)	B	109.1/47.7
R3308	7030005050	S.RES ERJ2GEJ 103 X (10K)	T	83.8/56.0
R3310	7030005050	S.RES ERJ2GEJ 103 X (10K)	T	106.3/48.3
R3311	7030010040	S.RES ERJ2GEJ-JPW	B	136.0/38.3
R3312	7030010040	S.RES ERJ2GEJ-JPW	B	132.2/34.5
R3314	7030005050	S.RES ERJ2GEJ 103 X (10K)	B	137.2/37.7
R3315	7030005050	S.RES ERJ2GEJ 103 X (10K)	B	134.3/38.9
R3316	7030005120	S.RES ERJ2GEJ 102 X (1K)	B	133.8/35.3
R3317	7030005120	S.RES ERJ2GEJ 102 X (1K)	B	128.8/33.1
R3319	7030005120	S.RES ERJ2GEJ 102 X (1K)	T	120.0/34.5
R3321	7030005050	S.RES ERJ2GEJ 103 X (10K)	T	181.4/41.5
R3322	7030005050	S.RES ERJ2GEJ 103 X (10K)	B	181.4/40.0
R3325	7030003560	S.RES ERJ3GEYJ 103 V (10K)ATEX	B	178.7/42.9
R3326	7030003560	S.RES ERJ3GEYJ 103 V (10K)ATEX	B	178.7/38.5
R3327	7030003560	S.RES ERJ3GEYJ 103 V (10K)ATEX	B	178.7/36.9
R3331	7030005050	S.RES ERJ2GEJ 103 X (10K)	T	119.6/14.9
R3333	7030005050	S.RES ERJ2GEJ 103 X (10K)	T	124.9/49.4
R3335	7030005160	S.RES ERJ2GEJ 105 X (1M)	B	108.0/40.8
R3336	7030010040	S.RES ERJ2GEJ-JPW	T	104.2/47.2
R3337	7030005120	S.RES ERJ2GEJ 102 X (1K)	T	118.7/35.0
R3338	7030005090	S.RES ERJ2GEJ 104 X (100K)	T	123.4/31.3
R3352	7030010040	S.RES ERJ2GEJ-JPW	T	116.4/14.4
R3353	7030010040	S.RES ERJ2GEJ-JPW	T	36.2/155.4
C1	4030018980	S.CER C1608 JB 1H 104K-T ATEX	T	16.3/139.3
C2	4030006900	S.CER C1608 JB 1H 103K-T ATEX	T	16.3/140.6
C3	4030018980	S.CER C1608 JB 1H 104K-T ATEX	T	12.6/136.0
C4	4030018980	S.CER C1608 JB 1H 104K-T ATEX	T	19.9/136.7
C5	4030019990	S.CER C1005 JB 1C 104K-T	B	11.6/57.9
C6	4510010810	S.ELE 50SVPF39M	T	16.5/38.5
C7	4510010810	S.ELE 50SVPF39M	T	7.6/38.5
C8	4030021620	S.CER TMK316BJ106KL-T	B	6.0/55.6
C9	4030019560	S.CER GRM21BB31C106KE15L	T	23.7/57.6
C10	4030019620	S.CER GRM188B31C225KE14D	B	21.8/57.3
C11	4030019620	S.CER GRM188B31C225KE14D	B	23.1/57.3
C12	4030019620	S.CER GRM188B31C225KE14D	B	24.4/57.3
C13	4030019620	S.CER GRM188B31C225KE14D	B	25.8/57.3
C21	4030021620	S.CER TMK316BJ106KL-T	T	10.4/47.9
C22	4030021620	S.CER TMK316BJ106KL-T	T	16.1/47.9
C23	4030020300	S.CER GRM21BB31C475KA87L	B	10.1/52.1
C24	4030019990	S.CER C1005 JB 1C 104K-T	B	15.2/55.9
C25	4030021620	S.CER TMK316BJ106KL-T	T	18.3/53.9
C26	4030021620	S.CER TMK316BJ106KL-T	T	20.4/53.9
C51	4030017730	S.CER C1005 JB 1H 471K-T	B	19.3/9.8
C52	4030019990	S.CER C1005 JB 1C 104K-T	B	20.3/14.6
C53	4030017480	S.CER C1608 JB 1A 474K-T	B	21.3/20.0
C101	4030021620	S.CER TMK316BJ106KL-T	T	14.8/80.4
C102	4030021620	S.CER TMK316BJ106KL-T	T	12.4/82.5
C103	4030018980	S.CER C1608 JB 1H 104K-T ATEX	T	12.2/84.6
C104	4030019990	S.CER C1005 JB 1C 104K-T	T	18.2/81.3
C105	4030020190	S.CER GRM32EB31C476KE15L	T	22.4/88.7
C106	4030016790	S.CER C1005 JB 1E 103K-T	T	13.7/87.7
C107	4030017760	S.CER C1005 JB 1H 222K-T	T	17.8/91.3
C201	4030021620	S.CER TMK316BJ106KL-T	T	14.8/94.4
C202	4030021620	S.CER TMK316BJ106KL-T	T	12.4/96.5
C203	4030018980	S.CER C1608 JB 1H 104K-T ATEX	T	12.2/98.6
C204	4030019990	S.CER C1005 JB 1C 104K-T	T	18.2/95.3
C205	4030020190	S.CER GRM32EB31C476KE15L	T	22.4/102.7
C206	4030016790	S.CER C1005 JB 1E 103K-T	T	13.7/101.7
C207	4030017760	S.CER C1005 JB 1H 222K-T	T	17.8/105.3
C301	4030021620	S.CER TMK316BJ106KL-T	T	14.9/109.4
C302	4030021620	S.CER TMK316BJ106KL-T	T	12.4/111.5
C303	4030018980	S.CER C1608 JB 1H 104K-T ATEX	T	12.5/113.7
C304	4030019990	S.CER C1005 JB 1C 104K-T	T	18.2/110.3
C305	4030020190	S.CER GRM32EB31C476KE15L	T	22.4/117.7
C306	4030018240	S.CER C1005 JB 1H 562K-T	T	13.5/116.7
C307	4030017760	S.CER C1005 JB 1H 222K-T	T	17.8/120.3
C401	4030021620	S.CER TMK316BJ106KL-T	T	14.9/66.4
C402	4030021620	S.CER TMK316BJ106KL-T	T	12.4/68.5
C403	4030018980	S.CER C1608 JB 1H 104K-T ATEX	T	12.3/70.3
C404	4030019990	S.CER C1005 JB 1C 104K-T	T	18.2/67.3
C405	4030020190	S.CER GRM32EB31C476KE15L	T	22.4/77.7
C406	4030016790	S.CER C1005 JB 1E 103K-T	T	13.7/73.7
C407	4030017760	S.CER C1005 JB 1H 222K-T	T	17.8/77.3

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
C501	4030020300	S.CER GRM21BB31C475KA87L	B	43.4/44.5
C502	4030020300	S.CER GRM21BB31C475KA87L	B	36.3/48.2
C503	4030020300	S.CER GRM21BB31C475KA87L	B	53.7/56.5
C504	4030017630	S.CER C1005 CH 1H 120J-T	B	37.7/60.6
C505	4030019990	S.CER C1005 JB 1C 104K-T	B	37.4/51.3
C506	4030020300	S.CER GRM21BB31C475KA87L	B	40.2/46.3
C507	4030019560	S.CER GRM21BB31C106KE15L	B	42.8/60.1
C508	4030019990	S.CER C1005 JB 1C 104K-T	B	41.8/47.3
C509	4030020300	S.CER GRM21BB31C475KA87L	B	48.8/60.3
C510	4030021240	S.CER C1005 JB 1C 105K-T	B	48.0/43.4
C511	4030019560	S.CER GRM21BB31C106KE15L	B	53.5/46.9
C512	4030019560	S.CER GRM21BB31C106KE15L	B	41.7/56.8
C513	4030019990	S.CER C1005 JB 1C 104K-T	B	43.6/58.5
C514	4030019990	S.CER C1005 JB 1C 104K-T	B	53.1/55.0
C515	4030019990	S.CER C1005 JB 1C 104K-T	B	48.0/58.5
C516	4030019990	S.CER C1005 JB 1C 104K-T	B	47.0/43.4
C517	4030019990	S.CER C1005 JB 1C 104K-T	B	52.8/48.6
C518	4030019990	S.CER C1005 JB 1C 104K-T	B	42.5/55.2
C519	4030017630	S.CER C1005 CH 1H 120J-T	B	39.9/60.6
C520	4030019560	S.CER GRM21BB31C106KE15L	B	39.1/50.3
C521	4030019990	S.CER C1005 JB 1C 104K-T	T	49.9/44.7
C522	4030017720	S.CER C1005 JB 1H 331K-T	T	39.1/47.9
C523	4030019990	S.CER C1005 JB 1C 104K-T	B	42.8/50.7
C524	4030019560	S.CER GRM21BB31C106KE15L	B	53.5/44.8
C525	4030019560	S.CER GRM21BB31C106KE15L	B	34.7/64.8
C526	4030019990	S.CER C1005 JB 1C 104K-T	T	51.1/44.2
C527	4030020280	S.CER GRM21BB11C105KA01L	B	32.9/64.8
C528	4030021620	S.CER TMK316BJ106KL-T	B	7.5/23.2
C529	4030016930	S.CER C1005 JB 1A 104K-T	B	46.0/43.4
C530	4030016930	S.CER C1005 JB 1A 104K-T	T	36.8/50.0
C531	4030016930	S.CER C1005 JB 1A 104K-T	B	53.1/53.9
C532	4030016930	S.CER C1005 JB 1A 104K-T	T	52.2/58.1
C533	4030016930	S.CER C1005 JB 1A 104K-T	B	52.3/58.1
C534	4030021620	S.CER TMK316BJ106KL-T	B	9.7/23.2
C535	4030021620	S.CER TMK316BJ106KL-T	B	11.8/23.2
C536	4030020300	S.CER GRM21BB31C475KA87L	B	43.0/42.4
C537	4030019620	S.CER GRM188B31C225KE14D	T	35.5/49.7
C538	4030019620	S.CER GRM188B31C225KE14D	B	53.2/52.7
C539	4030019620	S.CER GRM188B31C225KE14D	T	51.6/61.2
C540	4030019620	S.CER GRM188B31C225KE14D	B	51.6/61.1
C541	4030021620	S.CER TMK316BJ106KL-T	B	13.9/23.2
C542	4510011040	S.ELE EEFCX00D331R	T	26.3/43.7
C1001	4030020190	S.CER GRM32EB31C476KE15L	B	67.8/67.5
C1002	4030019990	S.CER C1005 JB 1C 104K-T	B	99.4/78.2
C1003	4030019990	S.CER C1005 JB 1C 104K-T	T	56.1/56.0
C1004	4030019990	S.CER C1005 JB 1C 104K-T	B	97.1/82.0
C1005	4030019990	S.CER C1005 JB 1C 104K-T	T	56.1/68.0
C1006	4030019990	S.CER C1005 JB 1C 104K-T	B	76.5/69.3
C1007	4030019990	S.CER C1005 JB 1C 104K-T	T	56.1/66.0
C1008	4030019990	S.CER C1005 JB 1C 104K-T	B	89.0/85.9
C1009	4030019990	S.CER C1005 JB 1C 104K-T	T	56.1/64.0
C1010	4030019990	S.CER C1005 JB 1C 104K-T	B	60.6/84.5
C1011	4030019990	S.CER C1005 JB 1C 104K-T	T	56.1/62.0
C1012	4030019990	S.CER C1005 JB 1C 104K-T	T	72.7/46.4
C1013	4030019990	S.CER C1005 JB 1C 104K-T	T	56.1/60.0
C1014	4030019990	S.CER C1005 JB 1C 104K-T	T	82.8/78.5
C1015	4030019990	S.CER C1005 JB 1C 104K-T	T	56.1/58.0
C1016	4030019990	S.CER C1005 JB 1C 104K-T	B	74.1/86.0
C1017	4030019990	S.CER C1005 JB 1C 104K-T	T	70.7/46.4
C1018	4030019990	S.CER C1005 JB 1C 104K-T	B	81.3/62.5
C1019	4030019990	S.CER C1005 JB 1C 104K-T	T	68.7/46.4
C1020	4030019990	S.CER C1005 JB 1C 104K-T	T	80.0/54.7
C1021	4030019990	S.CER C1005 JB 1C 104K-T	T	66.7/46.4
C1022	4030019990	S.CER C1005 JB 1C 104K-T	T	62.7/46.4
C1023	4030019990	S.CER C1005 JB 1C 104K-T	T	60.7/46.4
C1024	4030019990	S.CER C1005 JB 1C 104K-T	T	56.1/52.0
C1025	4030019990	S.CER C1005 JB 1C 104K-T	T	56.1/54.0
C1026	4030019990	S.CER C1005 JB 1C 104K-T	B	83.9/69.1
C1027	4030019990	S.CER C1005 JB 1C 104K-T	B	97.9/74.0
C1101	4030020190	S.CER GRM32EB31C476KE15L	B	55.0/69.5
C1102	4030019990	S.CER C1005 JB 1C 104K-T	B	63.3/53.5
C1103	4030019990	S.CER C1005 JB 1C 104K-T	B	64.9/53.5
C1104	4030019990	S.CER C1005 JB 1C 104K-T	B	71.3/53.5
C1105	4030019990	S.CER C1005 JB 1C 104K-T	B	72.9/53.5
C1106	4030019990	S.CER C1005 JB 1C 104K-T	B	74.5/53.5
C1107	4030019990	S.CER C1005 JB 1C 104K-T	B	74.5/62.3
C1108	4030019990	S.CER C1005 JB 1C 104K-T	B	63.3/62.3
C1109	4030019990	S.CER C1005 JB 1C 104K-T	B	64.9/62.3
C1110	4030019990	S.CER C1005 JB 1C 104K-T	B	71.3/62.3
C1111	4030019990	S.CER C1005 JB 1C 104K-T	B	72.9/62.3
C1112	4030019990	S.CER C1005 JB 1C 104K-T	T	71.1/65.7
C1113	4030019990	S.CER C1005 JB 1C 104K-T	B	66.2/51.4
C1151	4550007480	S.TAN F930J106MAABMA	T	37.0/81.5
C1152	4550007480	S.TAN F930J106MAABMA	T	37.0/32.0
C1201	4030020190	S.CER GRM32EB31C476KE15L	B	52.0/69.5
C1202	4030019990	S.CER C1005 JB 1C 104K-T	B	72.9/82.5
C1203	4030019990	S.CER C1005 JB 1C 104K-T	B	63.3/82.5
C1204	4030019990	S.CER C1005 JB 1C 104K-T	B	71.3/82.5
C1205	4030019990	S.CER C1005 JB 1C 104K-T	B	74.5/82.5
C1206	4030019990	S.CER C1005 JB 1C 104K-T	B	63.3/72.7
C1207	4030019990	S.CER C1005 JB 1C 104K-T	B	64.9/73.7
C1208	4030019990	S.CER C1005 JB 1C 104K-T	B	64.9/82.5
C1209	4030019990	S.CER C1005 JB 1C 104K-T	B	71.3/73.7
C1210	4030019990	S.CER C1005 JB 1C 104K-T	B	74.5/73.7
C1211	4030019990	S.CER C1005 JB 1C 104K-T	B	72.9/73.7
C1212	4030019990	S.CER C1005 JB 1C 104K-T	T	69.7/85.8
C1213	4030019990	S.CER C1005 JB 1C 104K-T	T	65.7/70.3
C1301	4030019990	S.CER C1005 JB 1C 104K-T	T	78.7/32.1
C1302	4030019990	S.CER C1005 JB 1C 104K-T	T	113.9/31.5
C1401	4030019990	S.CER C1005 JB 1C 104K-T	T	67.0/20.9
C1501	4030019990	S.CER C1005 JB 1C 104K-T	B	109.3/55.0
C1502	4030019990	S.CER C1005 JB 1C 104K-T	B	109.3/56.0
C1505	4030019990	S.CER C1005 JB 1C 104K-T	T	159.2/112.6
C1506	4030019990	S.CER C1005 JB 1C 104K-T	T	158.5/90.3
C1601	4030019990	S.CER C1005 JB 1C 104K-T	B	110.5/92.9

[MAIN UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
C1602	4030019990	S.CER C1005 JB 1C 104K-T	B	109.5/52.9
C1603	4030019990	S.CER C1005 JB 1C 104K-T	B	98.5/53.5
C1604	4030019990	S.CER C1005 JB 1C 104K-T	B	109.5/50.9
C1605	4030019990	S.CER C1005 JB 1C 104K-T	B	110.5/50.9
C1606	4030019990	S.CER C1005 JB 1C 104K-T	B	103.7/58.3
C1607	4030019990	S.CER C1005 JB 1C 104K-T	B	104.7/51.9
C1608	4030019990	S.CER C1005 JB 1C 104K-T	B	99.7/56.3
C1609	4030019990	S.CER C1005 JB 1C 104K-T	B	100.9/51.3
C1610	4030019990	S.CER C1005 JB 1C 104K-T	B	101.9/51.3
C1611	4030019990	S.CER C1005 JB 1C 104K-T	B	100.1/54.7
C1612	4030019990	S.CER C1005 JB 1C 104K-T	B	101.7/54.7
C1613	4030019990	S.CER C1005 JB 1C 104K-T	B	92.1/64.3
C1614	4030019990	S.CER C1005 JB 1C 104K-T	B	104.1/55.5
C1615	4030019990	S.CER C1005 JB 1C 104K-T	B	103.7/57.1
C1616	4030019990	S.CER C1005 JB 1C 104K-T	B	103.7/67.9
C1617	4030019990	S.CER C1005 JB 1C 104K-T	B	103.7/66.9
C1618	4030019990	S.CER C1005 JB 1C 104K-T	B	103.7/65.9
C1619	4030019990	S.CER C1005 JB 1C 104K-T	B	103.7/64.9
C1620	4030019990	S.CER C1005 JB 1C 104K-T	B	103.7/63.9
C1621	4030019990	S.CER C1005 JB 1C 104K-T	B	103.7/62.9
C1622	4030019990	S.CER C1005 JB 1C 104K-T	B	103.7/61.9
C1623	4030019990	S.CER C1005 JB 1C 104K-T	B	105.7/59.5
C1624	4030019990	S.CER C1005 JB 1C 104K-T	B	106.1/56.7
C1625	4030019990	S.CER C1005 JB 1C 104K-T	B	106.1/55.1
C1626	4030019990	S.CER C1005 JB 1C 104K-T	T	116.8/44.5
C1627	4030019990	S.CER C1005 JB 1C 104K-T	B	99.7/67.9
C1628	4030019990	S.CER C1005 JB 1C 104K-T	B	92.1/66.7
C1631	4030019990	S.CER C1005 JB 1C 104K-T	T	184.2/20.4
C1632	4030022050	S.CER GRM21BR61C226ME44L	T	83.7/21.8
C1633	4560000240	CER EEC5R5H105		
C1634	4030020300	S.CER GRM21BB31C475KA87L	B	83.4/43.8
C1635	4030020300	S.CER GRM21BB31C475KA87L	B	85.6/43.8
C1636	4030019990	S.CER C1005 JB 1C 104K-T	B	96.5/54.3
C1637	4030019990	S.CER C1005 JB 1C 104K-T	B	94.9/55.9
C1638	4030019990	S.CER C1005 JB 1C 104K-T	B	92.9/53.9
C1639	4030019990	S.CER C1005 JB 1C 104K-T	B	92.5/55.9
C1640	4030019990	S.CER C1005 JB 1C 104K-T	B	90.5/57.1
C1641	4030019990	S.CER C1005 JB 1C 104K-T	B	92.1/58.7
C1642	4030019990	S.CER C1005 JB 1C 104K-T	B	92.1/60.7
C1643	4030020300	S.CER GRM21BB31C475KA87L	B	80.9/48.3
C1650	4030020300	S.CER GRM21BB31C475KA87L	B	80.9/50.1
C1651	4030019990	S.CER C1005 JB 1C 104K-T	B	97.7/55.9
C1652	4030019990	S.CER C1005 JB 1C 104K-T	B	94.5/57.2
C1653	4030019990	S.CER C1005 JB 1C 104K-T	B	96.5/57.5
C1654	4030019990	S.CER C1005 JB 1C 104K-T	B	98.5/57.5
C1655	4030019990	S.CER C1005 JB 1C 104K-T	B	100.5/57.9
C1656	4030019990	S.CER C1005 JB 1C 104K-T	B	93.5/58.7
C1657	4030019990	S.CER C1005 JB 1C 104K-T	B	93.5/60.7
C1658	4030019990	S.CER C1005 JB 1C 104K-T	B	93.5/62.7
C1659	4030019990	S.CER C1005 JB 1C 104K-T	B	93.5/64.7
C1660	4030019990	S.CER C1005 JB 1C 104K-T	B	95.1/66.5
C1661	4030019990	S.CER C1005 JB 1C 104K-T	B	95.7/63.9
C1662	4030019990	S.CER C1005 JB 1C 104K-T	B	95.7/61.5
C1663	4030019990	S.CER C1005 JB 1C 104K-T	B	95.7/59.9
C1664	4030019990	S.CER C1005 JB 1C 104K-T	B	97.7/59.5
C1665	4030019990	S.CER C1005 JB 1C 104K-T	B	97.7/61.9
C1666	4030019990	S.CER C1005 JB 1C 104K-T	B	97.7/64.3
C1667	4030019990	S.CER C1005 JB 1C 104K-T	B	97.7/66.5
C1668	4030019990	S.CER C1005 JB 1C 104K-T	B	99.7/66.5
C1669	4030019990	S.CER C1005 JB 1C 104K-T	B	99.7/63.9
C1670	4030019990	S.CER C1005 JB 1C 104K-T	B	100.5/61.5
C1671	4030019990	S.CER C1005 JB 1C 104K-T	B	102.1/58.1
C1672	4030019990	S.CER C1005 JB 1C 104K-T	B	102.1/60.1
C1673	4030019990	S.CER C1005 JB 1C 104K-T	B	102.1/62.1
C1674	4030019990	S.CER C1005 JB 1C 104K-T	B	102.1/64.1
C1675	4030019990	S.CER C1005 JB 1C 104K-T	B	101.7/65.7
C1676	4030019990	S.CER C1005 JB 1C 104K-T	B	101.3/67.3
C1677	4030019990	S.CER C1005 JB 1C 104K-T	B	99.7/59.9
C1678	4030019990	S.CER C1005 JB 1C 104K-T	B	91.9/62.3
C1679	4030019990	S.CER C1005 JB 1C 104K-T	B	106.7/51.9
C1680	4030019990	S.CER C1005 JB 1C 104K-T	B	93.7/51.5
C1681	4030019990	S.CER C1005 JB 1C 104K-T	B	90.5/51.5
C1682	4030019990	S.CER C1005 JB 1C 104K-T	B	87.7/51.9
C1683	4030019990	S.CER C1005 JB 1C 104K-T	B	87.7/54.3
C1684	4030020300	S.CER GRM21BB31C475KA87L	B	66.6/86.7
C1685	4030020300	S.CER GRM21BB31C475KA87L	B	64.7/47.5
C1686	4030019990	S.CER C1005 JB 1C 104K-T	B	93.2/66.7
C1687	4030019990	S.CER C1005 JB 1C 104K-T	B	97.7/67.9
C1688	4030019990	S.CER C1005 JB 1C 104K-T	B	99.7/71.9
C1689	4030019990	S.CER C1005 JB 1C 104K-T	B	94.9/72.7
C1690	4030019990	S.CER C1005 JB 1C 104K-T	B	90.9/72.3
C1691	4030019990	S.CER C1005 JB 1C 104K-T	B	89.3/72.7
C1692	4030019990	S.CER C1005 JB 1C 104K-T	B	87.3/72.3
C1693	4030019990	S.CER C1005 JB 1C 104K-T	B	87.3/70.3
C1694	4030019990	S.CER C1005 JB 1C 104K-T	B	88.9/68.3
C1695	4030019990	S.CER C1005 JB 1C 104K-T	B	85.5/71.5
C1696	4030019990	S.CER C1005 JB 1C 104K-T	B	85.5/69.5
C1697	4030019990	S.CER C1005 JB 1C 104K-T	B	94.9/67.9
C1698	4030019990	S.CER C1005 JB 1C 104K-T	B	88.9/65.1
C1699	4030019990	S.CER C1005 JB 1C 104K-T	B	89.3/73.7
C1700	4030018560	S.CER C2012 JB 1A 475K-T	B	80.9/51.8
C1701	4030019990	S.CER C1005 JB 1C 104K-T	B	108.1/72.9
C1702	4030019990	S.CER C1005 JB 1C 104K-T	B	108.1/73.9
C1703	4030019990	S.CER C1005 JB 1C 104K-T	B	109.1/71.3
C1704	4030019990	S.CER C1005 JB 1C 104K-T	B	110.1/71.3
C1705	4030019990	S.CER C1005 JB 1C 104K-T	B	110.7/69.7
C1706	4030019990	S.CER C1005 JB 1C 104K-T	B	105.7/72.3
C2001	4050000210	S.FEE NFM21PC474R1C3D (NFM2012P13C474)	B	115.0/95.4
C2002	4030017430	S.CER C1005 CH 1H 101J-T	B	112.9/94.1
C2003	4030018910	S.CER C1608 JB 0J 475K-T	T	123.1/96.3
C2004	4030017620	S.CER C1005 CH 1H 100C-T	T	102.0/114.4
C2005	4030017620	S.CER C1005 CH 1H 100C-T	T	100.4/115.3
C2006	4030022050	S.CER GRM21BR61C226ME44L	T	121.8/102.1
C2007	4030017460	S.CER C1005 JB 1H 102K-T	T	102.3/110.7

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
C2008	4030019990	S.CER C1005 JB 1C 104K-T	B	99.5/105.0
C2009	4030019990	S.CER C1005 JB 1C 104K-T	T	100.6/110.8
C2010	4030019990	S.CER C1005 JB 1C 104K-T	B	100.9/105.2
C2011	4030019990	S.CER C1005 JB 1C 104K-T	B	104.9/109.2
C2012	4030019990	S.CER C1005 JB 1C 104K-T	B	100.9/99.3
C2013	4030019990	S.CER C1005 JB 1C 104K-T	T	97.6/111.2
C2014	4030019990	S.CER C1005 JB 1C 104K-T	B	94.1/105.1
C2015	4030020000	S.CER C1005 JB 1A 105K-T	B	99.7/99.6
C2016	4030019990	S.CER C1005 JB 1C 104K-T	B	102.8/99.1
C2017	4030019990	S.CER C1005 JB 1C 104K-T	B	94.1/98.7
C2018	4030022050	S.CER GRM21BR61C226ME44L	B	105.6/99.7
C2019	4030019990	S.CER C1005 JB 1C 104K-T	B	105.2/106.4
C2020	4030019990	S.CER C1005 JB 1C 104K-T	T	105.6/109.6
C2021	4030019990	S.CER C1005 JB 1C 104K-T	T	94.9/109.6
C2022	4030019990	S.CER C1005 JB 1C 104K-T	T	93.4/108.9
C2023	4030020000	S.CER C1005 JB 1A 105K-T	B	94.7/101.9
C2024	4030022060	S.CER GRM188B30J106ME47D	B	97.4/101.2
C2025	4030022060	S.CER GRM188B30J106ME47D	B	107.9/109.3
C2026	4030020000	S.CER C1005 JB 1A 105K-T	B	107.5/108.0
C2027	4030019990	S.CER C1005 JB 1C 104K-T	T	92.3/104.1
C2028	4030019990	S.CER C1005 JB 1C 104K-T	T	91.9/102.0
C2029	4030019990	S.CER C1005 JB 1C 104K-T	T	109.4/101.3
C2030	4030017460	S.CER C1005 JB 1H 102K-T	T	92.5/101.2
C2031	4030019990	S.CER C1005 JB 1C 104K-T	T	91.6/101.2
C2032	4030016790	S.CER C1005 JB 1E 103K-T	B	109.2/99.2
C2033	4030019990	S.CER C1005 JB 1C 104K-T	T	91.4/99.0
C2034	4030019990	S.CER C1005 JB 1C 104K-T	T	109.7/97.9
C2035	4030019990	S.CER C1005 JB 1C 104K-T	T	107.2/99.4
C2036	4030019990	S.CER C1005 JB 1C 104K-T	B	102.0/108.0
C2037	4030019990	S.CER C1005 JB 1C 104K-T	B	97.6/107.4
C2038	4030019990	S.CER C1005 JB 1C 104K-T	B	94.1/103.4
C2039	4030019990	S.CER C1005 JB 1C 104K-T	B	100.7/108.2
C2040	4030019990	S.CER C1005 JB 1C 104K-T	B	99.5/96.1
C2041	4030019990	S.CER C1005 JB 1C 104K-T	B	94.2/97.0
C2042	4030019990	S.CER C1005 JB 1C 104K-T	B	94.8/100.1
C2043	4030019990	S.CER C1005 JB 1C 104K-T	B	96.7/102.3
C2044	4030019990	S.CER C1005 JB 1C 104K-T	B	105.2/104.7
C2045	4030019990	S.CER C1005 JB 1C 104K-T	T	95.8/110.8
C2046	4030019990	S.CER C1005 JB 1C 104K-T	B	98.6/104.9
C2047	4030019990	S.CER C1005 JB 1C 104K-T	B	96.9/104.7
C2048	4030019990	S.CER C1005 JB 1C 104K-T	B	99.0/110.8
C2049	4030019990	S.CER C1005 JB 1C 104K-T	B	98.0/110.8
C2050	4030019990	S.CER C1005 JB 1C 104K-T	B	95.4/107.8
C2051	4030019990	S.CER C1005 JB 1C 104K-T	B	103.4/105.0
C2052	4030019990	S.CER C1005 JB 1C 104K-T	B	108.6/95.7
C2053	4030019990	S.CER C1005 JB 1C 104K-T	T	94.7/95.2
C2054	4030019990	S.CER C1005 JB 1C 104K-T	T	94.3/110.5
C2055	4030019990	S.CER C1005 JB 1C 104K-T	B	101.9/105.1
C2056	4030019990	S.CER C1005 JB 1C 104K-T	T	105.3/90.3
C2058	4030019990	S.CER C1005 JB 1C 104K-T	B	100.7/97.3
C2059	4030019990	S.CER C1005 JB 1C 104K-T	T	96.3/92.5
C2060	4030019990	S.CER C1005 JB 1C 104K-T	B	98.5/97.2
C2101	4030022170	S.CER GR442QR73D102KW01L	B	132.6/155.8
C2102	4030011600	S.CER C1608 JB 1E 104K-T ATEX	B	73.6/165.3
C2103	4030011600	S.CER C1608 JB 1E 104K-T ATEX	B	84.1/165.3
C2104	4030011600	S.CER C1608 JB 1E 104K-T ATEX	B	87.6/165.3
C2105	4030011600	S.CER C1608 JB 1E 104K-T ATEX	B	97.7/165.3
C2106	4030011600	S.CER C1608 JB 1E 104K-T ATEX	B	101.6/165.3
C2107	4030011600	S.CER C1608 JB 1E 104K-T ATEX	B	111.8/165.3
C2108	4030011600	S.CER C1608 JB 1E 104K-T ATEX	B	115.5/165.3
C2109	4030011600	S.CER C1608 JB 1E 104K-T ATEX	B	125.9/165.3
C2121	4030022170	S.CER GR442QR73D102KW01L	B	129.9/144.0
C2122	4030022170	S.CER GR442QR73D102KW01L	B	101.2/143.3
C2123	4030019990	S.CER C1005 JB 1C 104K-T	T	104.8/127.9
C2124	4030019990	S.CER C1005 JB 1C 104K-T	T	107.8/127.9
C2125	4030019990	S.CER C1005 JB 1C 104K-T	T	110.9/127.9
C2126	4030019990	S.CER C1005 JB 1C 104K-T	T	113.9/

[MAIN UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
C3212	4030019990	S.CER C1005 JB 1C 104K-T	T	111.7/68.4
C3213	4030019990	S.CER C1005 JB 1C 104K-T	T	111.7/67.5
C3251	4030019990	S.CER C1005 JB 1C 104K-T	B	105.7/62.7
C3252	4030019320	S.CER C1608 X7R 1C 105K-T	B	175.2/45.6
C3253	4030011600	S.CER C1608 JB 1E 104K-T ATEX	B	174.0/45.6
C3254	4030011600	S.CER C1608 JB 1E 104K-T ATEX	B	181.0/46.3
C3255	4030011600	S.CER C1608 JB 1E 104K-T ATEX	B	177.8/51.7
C3256	4030020190	S.CER GRM32EB31C476KE15L	T	181.2/47.6
C3257	4030006860	S.CER C1608 JB 1H 102K-T ATEX	B	182.7/48.8
C3258	4030011600	S.CER C1608 JB 1E 104K-T ATEX	B	184.0/48.8
C3261	4030018980	S.CER C1608 JB 1H 104K-T ATEX	B	189.3/86.8
C3262	4030019990	S.CER C1005 JB 1C 104K-T	T	111.7/66.0
C3263	4030019990	S.CER C1005 JB 1C 104K-T	T	111.7/65.0
C3301	4030017620	S.CER C1005 CH 1H 100C-T	B	102.7/42.2
C3302	4030017620	S.CER C1005 CH 1H 100C-T	B	108.0/39.0
C3303	4030017590	S.CER C1005 CH 1H 070C-T	T	101.4/41.5
C3304	4030017590	S.CER C1005 CH 1H 070C-T	T	102.3/42.4
C3305	4030019990	S.CER C1005 JB 1C 104K-T	T	121.2/40.1
C3306	4030019990	S.CER C1005 JB 1C 104K-T	B	131.3/37.9
C3307	4030019990	S.CER C1005 JB 1C 104K-T	B	127.6/36.4
C3308	4030019990	S.CER C1005 JB 1C 104K-T	B	124.8/36.3
C3310	4030019990	S.CER C1005 JB 1C 104K-T	T	124.9/29.3
C3311	4030019990	S.CER C1005 JB 1C 104K-T	T	120.0/32.5
C3312	4030019990	S.CER C1005 JB 1C 104K-T	T	184.0/38.8
C3313	4030019990	S.CER C1005 JB 1C 104K-T	T	106.3/46.1
C3315	4030019990	S.CER C1005 JB 1C 104K-T	T	121.1/44.2
C3316	4030017780	S.CER C1005 JB 1H 472K-T	T	127.3/30.8
C3317	4030017780	S.CER C1005 JB 1H 472K-T	T	137.6/33.6
C3318	4030017780	S.CER C1005 JB 1H 472K-T	T	32.1/155.4
J6	6510011441	CON B4P-VH(LF)(SN)		
J2101	6510029760	CON 9742-8823-403D-L1-A(50U) <SJC>		
J2201	6510030980	CON 9658-8823-100D-H (50U) <SJC>		
J3002	6510015541	S.CON B4B-ZR-SM4-TF(LF)(SN)	T	157.2/14.5
J3101	6510028980	S.CON SCDAABA0500	T	158.7/147.2
J3102	6510024522	S.CON 12FLT-SM2-TB(LF)(SN)(M)	T	115.5/8.3
J3201	6510024033	CON UBA-4R-D14T-4D(LF)(SN)		
J3251	6510024033	CON UBA-4R-D14T-4D(LF)(SN)		
S1	2260003520	S.SWI FSMD250-2920-R <FUZ>	T	14.2/127.6
S3304	2260000980	SWI SKHHLP014A(SKHHLPA010)		
T2121	5920000940	S.TRA ATPL-168R <ATE>	T	116.5/137.3
T2151	5920000940	S.TRA ATPL-168R <ATE>	T	80.6/137.3
T2221	5910001180	S.TRA ATPL-361R <ATE>	T	55.8/137.7
EP501	6910019100	S.BEA MPZ1608S101AT	B	43.5/40.8
EP502	6910019100	S.BEA MPZ1608S101AT	T	39.0/52.0
EP503	6910019100	S.BEA MPZ1608S101AT	B	48.5/55.2
EP504	6910019100	S.BEA MPZ1608S101AT	T	53.2/61.1
EP505	6910019100	S.BEA MPZ1608S101AT	B	53.5/61.2
EP1001	6910025990	E.O ES(77)H0464-112952-6		
EP1601	6910019100	S.BEA MPZ1608S101AT	B	79.9/43.9
EP1602	6910019100	S.BEA MPZ1608S101AT	B	115.2/51.8
EP1603	6910019100	S.BEA MPZ1608S101AT	T	84.7/42.9
EP1604	6910019100	S.BEA MPZ1608S101AT	T	113.3/78.8
EP1605	6910019100	S.BEA MPZ1608S101AT	B	99.0/46.7
EP1606	6910019100	S.BEA MPZ1608S101AT	B	115.8/49.0
EP1607	6910019100	S.BEA MPZ1608S101AT	B	113.9/49.0
EP1608	6910019100	S.BEA MPZ1608S101AT	B	112.0/49.0
EP1609	6910019100	S.BEA MPZ1608S101AT	B	97.1/46.7
EP1610	6910019100	S.BEA MPZ1608S101AT	T	100.9/46.7
EP1611	6910019100	S.BEA MPZ1608S101AT	B	102.8/46.7
EP1612	6910019100	S.BEA MPZ1608S101AT	B	100.9/46.7
EP1613	6910019100	S.BEA MPZ1608S101AT	B	104.7/46.7
EP1614	6910019100	S.BEA MPZ1608S101AT	T	79.3/43.9
EP1615	6910019100	S.BEA MPZ1608S101AT	B	117.7/49.0
EP1616	6910019100	S.BEA MPZ1608S101AT	B	106.7/46.7
EP1617	6910019100	S.BEA MPZ1608S101AT	T	79.3/45.8
EP1618	6910019100	S.BEA MPZ1608S101AT	T	114.2/45.1
EP1619	6910019100	S.BEA MPZ1608S101AT	T	112.6/49.3
EP1620	6910019100	S.BEA MPZ1608S101AT	T	119.0/49.3
EP1621	6910019100	S.BEA MPZ1608S101AT	B	113.6/73.4
EP2002	6910020910	S.BEA MPZ1608S300AT	B	98.0/99.3
EP2003	6910021140	S.BEA MMZ1005S800CT	T	99.7/110.8
EP2004	6910020910	S.BEA MPZ1608S300AT	B	104.9/108.1
EP2005	6910021140	S.BEA MMZ1005S800CT	T	110.6/101.7
EP3101	0800015050	E.O PTA01053A		
EP3201	6910014690	S.BEA MPZ1608S221A-T	B	183.2/67.3
EP3251	6910014690	S.BEA MPZ1608S221A-T	B	183.1/46.1

[LED UNIT]

REF NO.	PARTS NO.	DESCRIPTION	M.	H/V LOCATION
Q1	1590004150	S.TRA DRC9114T0L	T	55.7/3.0
Q2	1590004150	S.TRA DRC9114T0L	T	75.7/3.0
Q3	1590004150	S.TRA DRC9114T0L	T	95.7/3.0
Q4	1590004150	S.TRA DRC9114T0L	T	35.7/3.0
Q5	1590004150	S.TRA DRC9114T0L	T	115.7/3.0
Q6	1590004150	S.TRA DRC9114T0L	T	15.7/3.0
Q7	1590004150	S.TRA DRC9114T0L	T	135.7/3.0
Q8	1590004150	S.TRA DRC9114T0L	T	145.7/3.1
R1	7030005000	S.RES ERJ2GEJ 471 X (470)	T	44.6/2.1
R2	7030005000	S.RES ERJ2GEJ 471 X (470)	T	64.6/2.1
R3	7030005000	S.RES ERJ2GEJ 471 X (470)	T	84.6/2.1
R4	7030005000	S.RES ERJ2GEJ 471 X (470)	T	24.6/2.1
R5	7030005000	S.RES ERJ2GEJ 471 X (470)	T	104.6/2.1
R6	7030005000	S.RES ERJ2GEJ 471 X (470)	T	4.6/2.1
R7	7030005000	S.RES ERJ2GEJ 471 X (470)	T	124.6/2.1
R3112	7030005000	S.RES ERJ2GEJ 471 X (470)	T	144.1/2.1
C1	4030017460	S.CER C1005 JB 1H 102K-T	T	24.2/7.0
C2	4030017460	S.CER C1005 JB 1H 102K-T	T	25.2/7.0
C3	4030017460	S.CER C1005 JB 1H 102K-T	T	24.7/14.0
C4	4030017460	S.CER C1005 JB 1H 102K-T	T	26.2/7.0
C5	4030017460	S.CER C1005 JB 1H 102K-T	T	25.7/14.0
C6	4030017460	S.CER C1005 JB 1H 102K-T	T	27.2/7.0
C7	4030017460	S.CER C1005 JB 1H 102K-T	T	26.7/14.0
C8	4030017460	S.CER C1005 JB 1H 102K-T	T	28.2/7.0
C9	4030017460	S.CER C1005 JB 1H 102K-T	T	27.7/14.0
J1	6510024522	S.CON 12FLT-SM2-TB(LF)(SN)(M)	T	26.5/10.5
DS1	5040002961	S.LED SML-A12MT T86J	T	55.0/1.0
DS2	5040003001	S.LED SML-A12UT T86J	T	75.0/1.0
DS3	5040003011	S.LED SML-A12WT T86J	T	95.0/1.0
DS4	5040003011	S.LED SML-A12WT T86J	T	35.0/1.0
DS5	5040003011	S.LED SML-A12WT T86J	T	115.0/1.0
DS6	5040003011	S.LED SML-A12WT T86J	T	15.0/1.0
DS7	5040003011	S.LED SML-A12WT T86J	T	135.0/1.0
DS8	5040003011	S.LED SML-A12WT T86J	T	145.0/1.0
W1	8900016100	CAB OPC-1678 (P0.5N12L80) <TJM>		

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

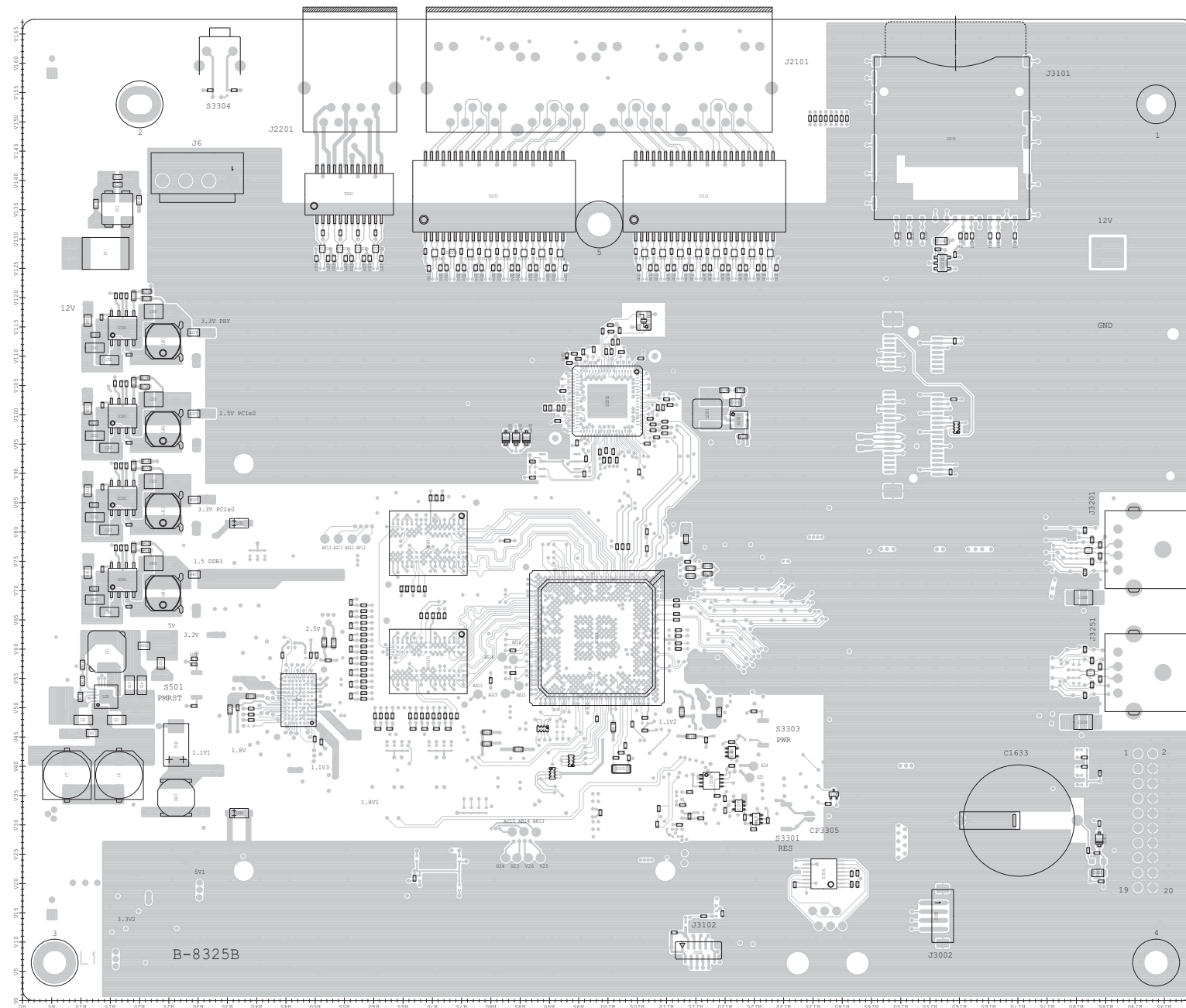
M.=Mounted side (T: Mounted on the Top side, B: Mounted on the Bottom side)
S.=Surface mount

SECTION 3 BOARD LAYOUTS

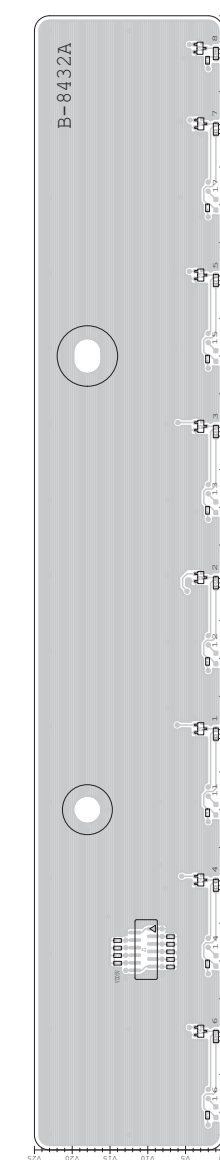
SECTION 3 BOARD LAYOUTS

The actual configuration of the PC board can be seen by viewing the top and bottom BOARD LAYOUT pages together.

• **MAIN UNIT B-8325B
(TOP VIEW)**

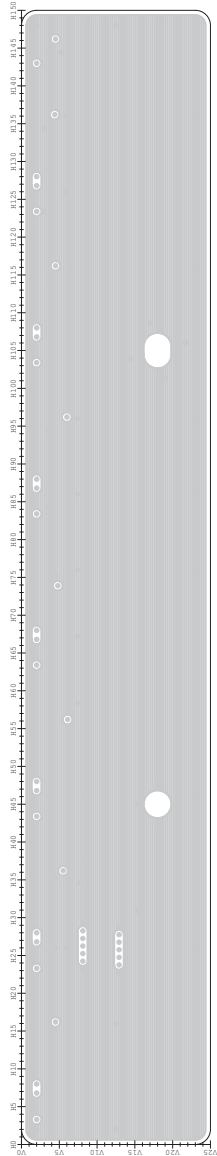


• LED UNIT B-8432A
(TOP VIEW)

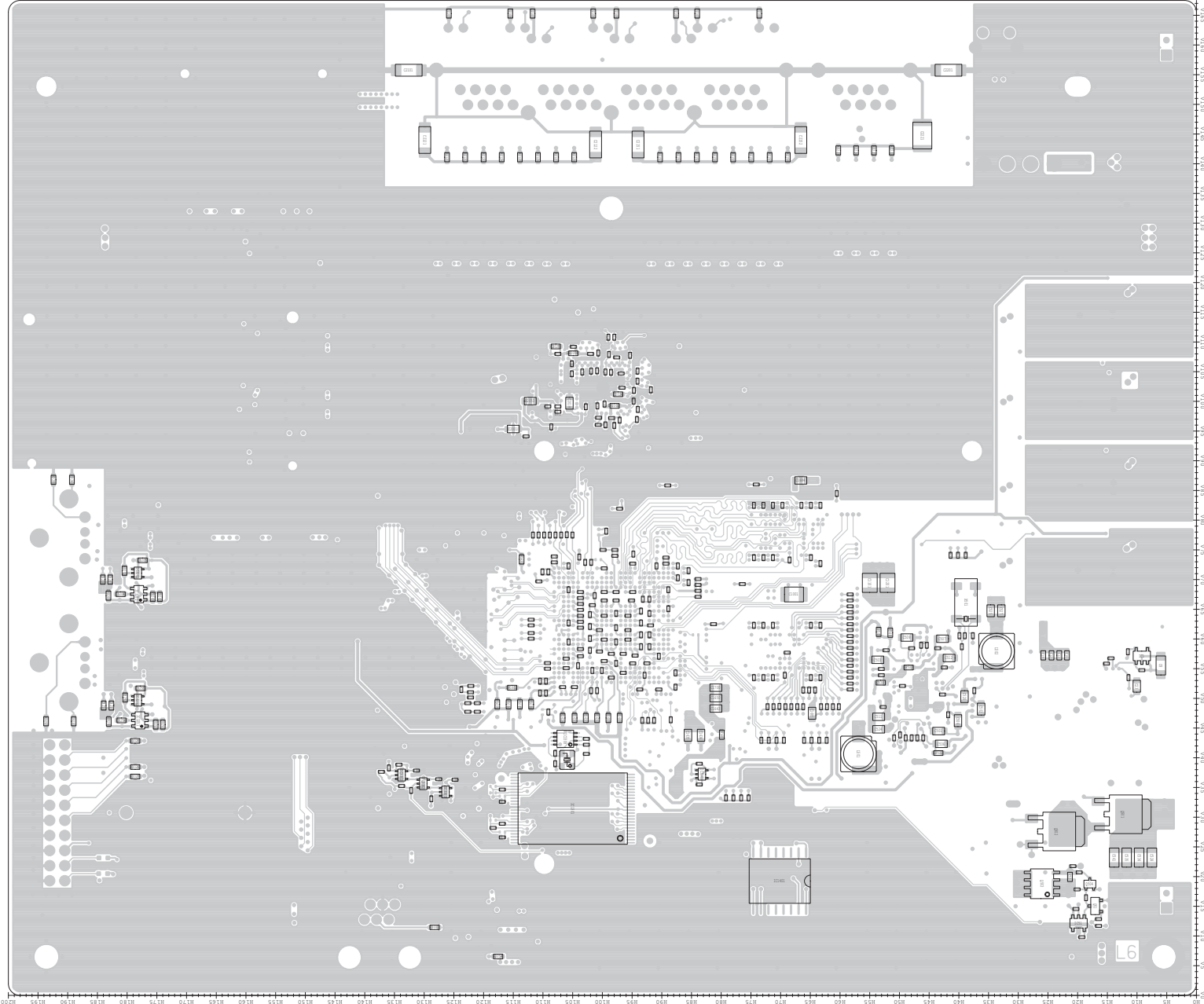


The actual configuration of the PC board can be seen by viewing the top and bottom BOARD LAYOUT pages together.

• **LED UNIT B-8432A
(BOTTOM VIEW)**

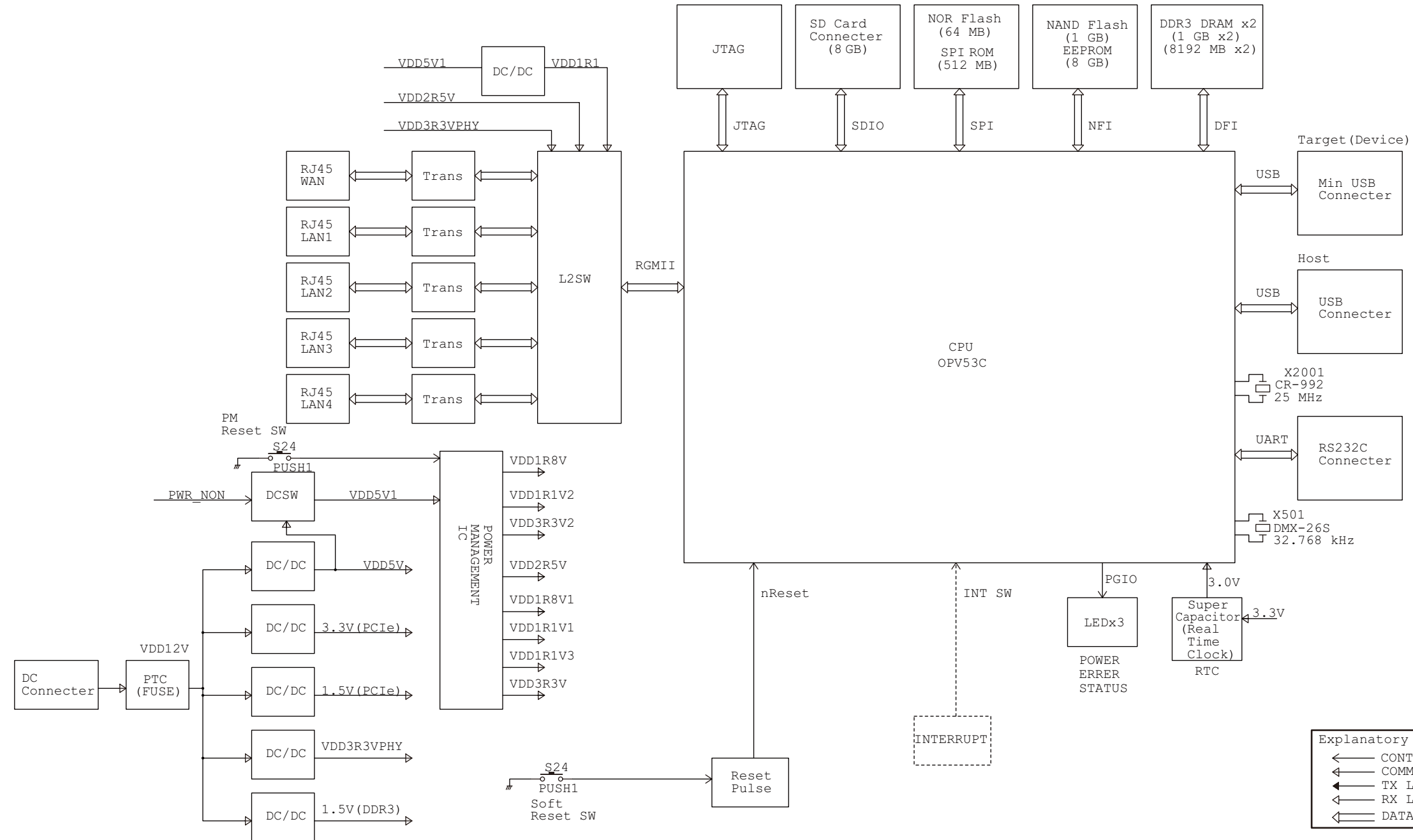


• **MAIN UNIT B-8325B
(BOTTOM VIEW)**



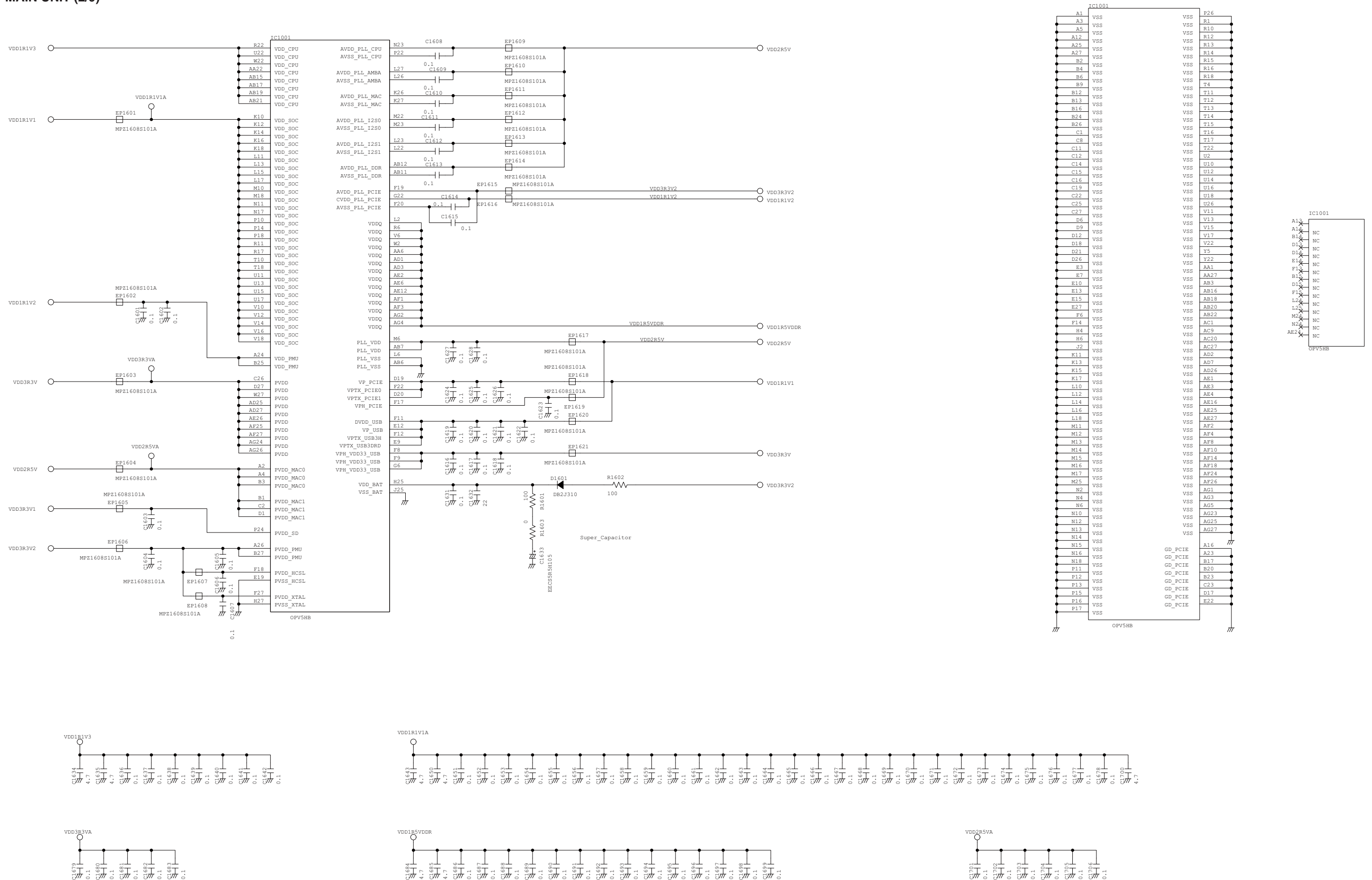
SECTION 4

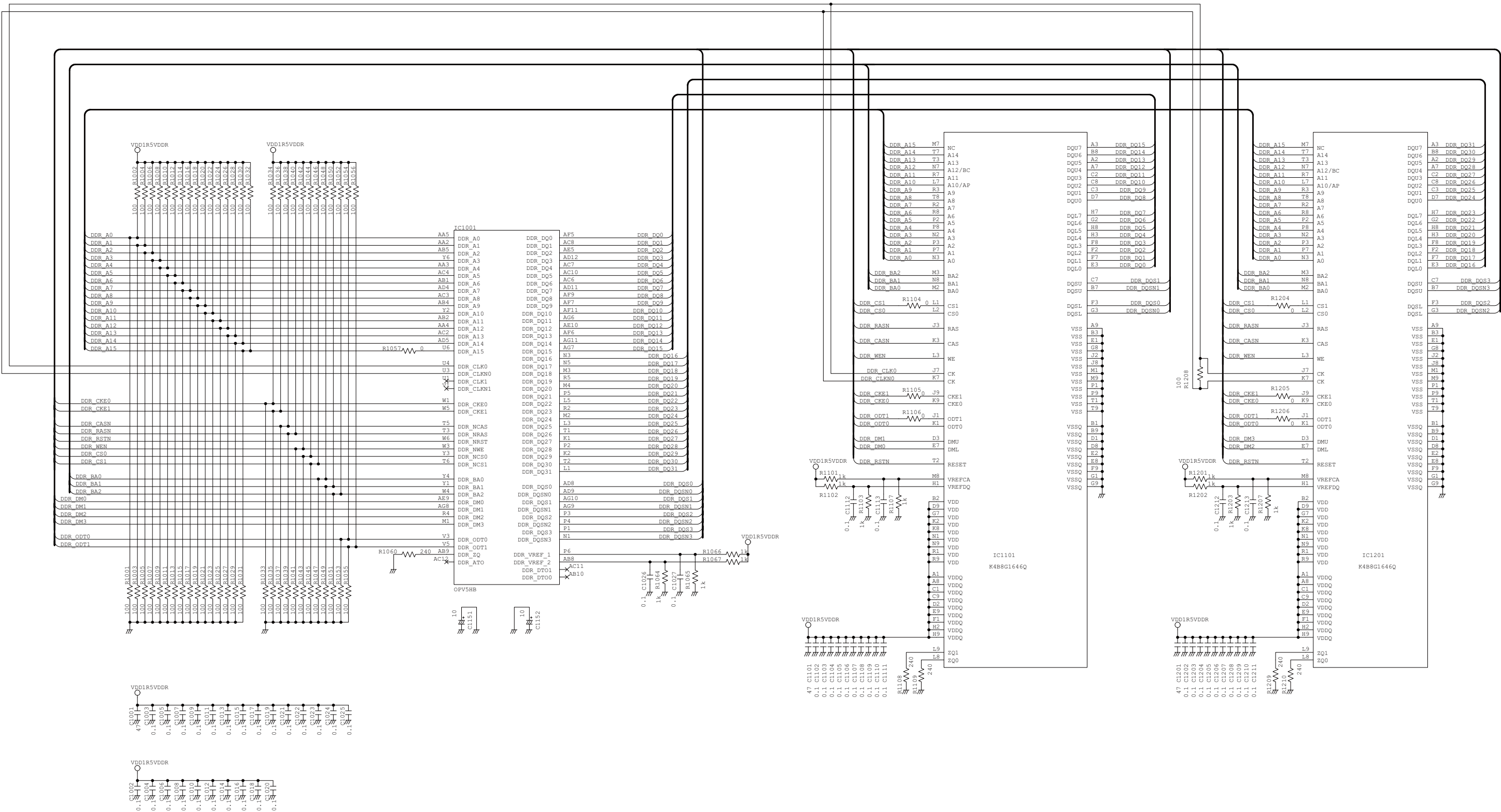
BLOCK DIAGRAM



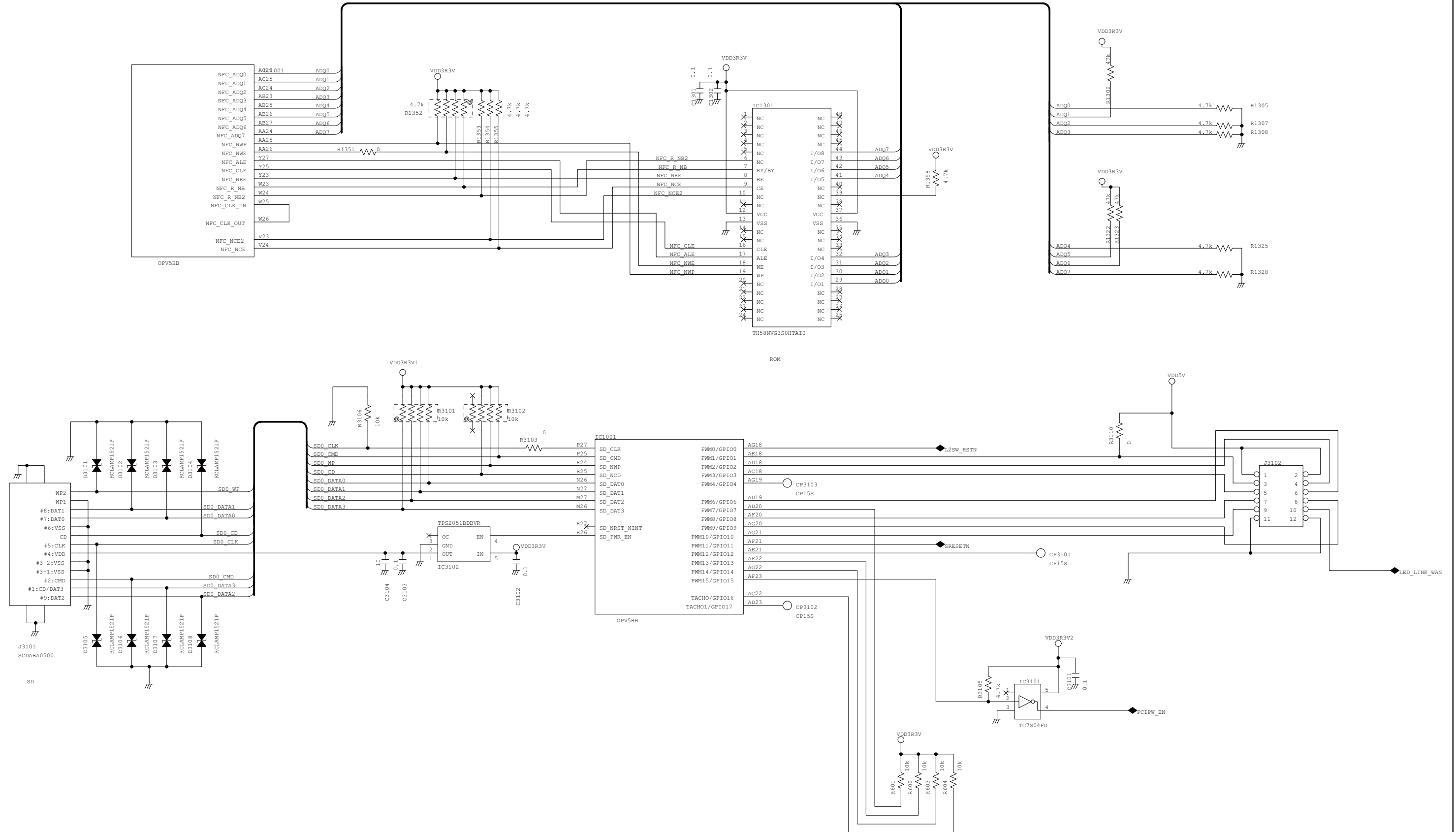
SCHEMATIC DIAGRAM

- **MAIN UNIT (2/9)**

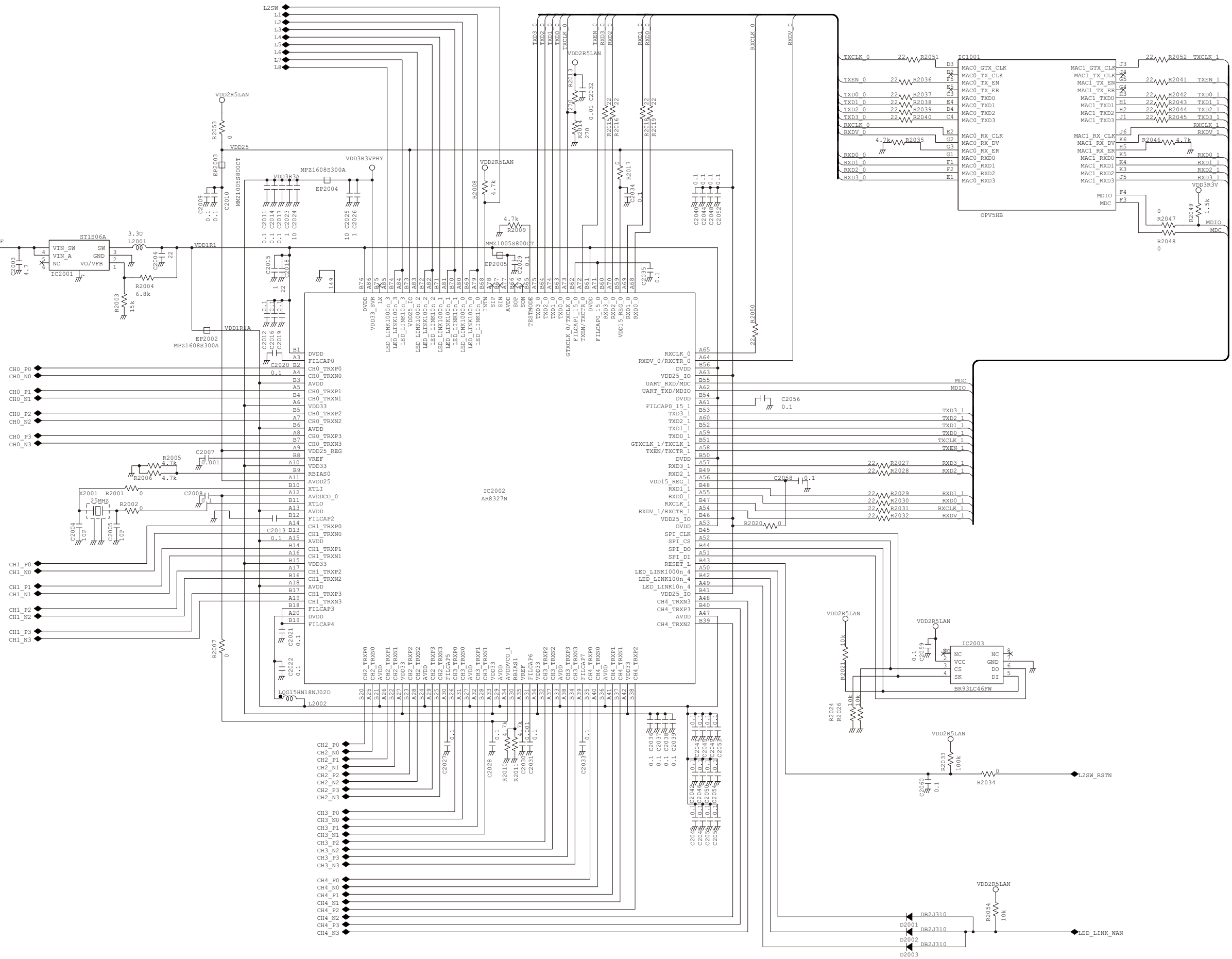




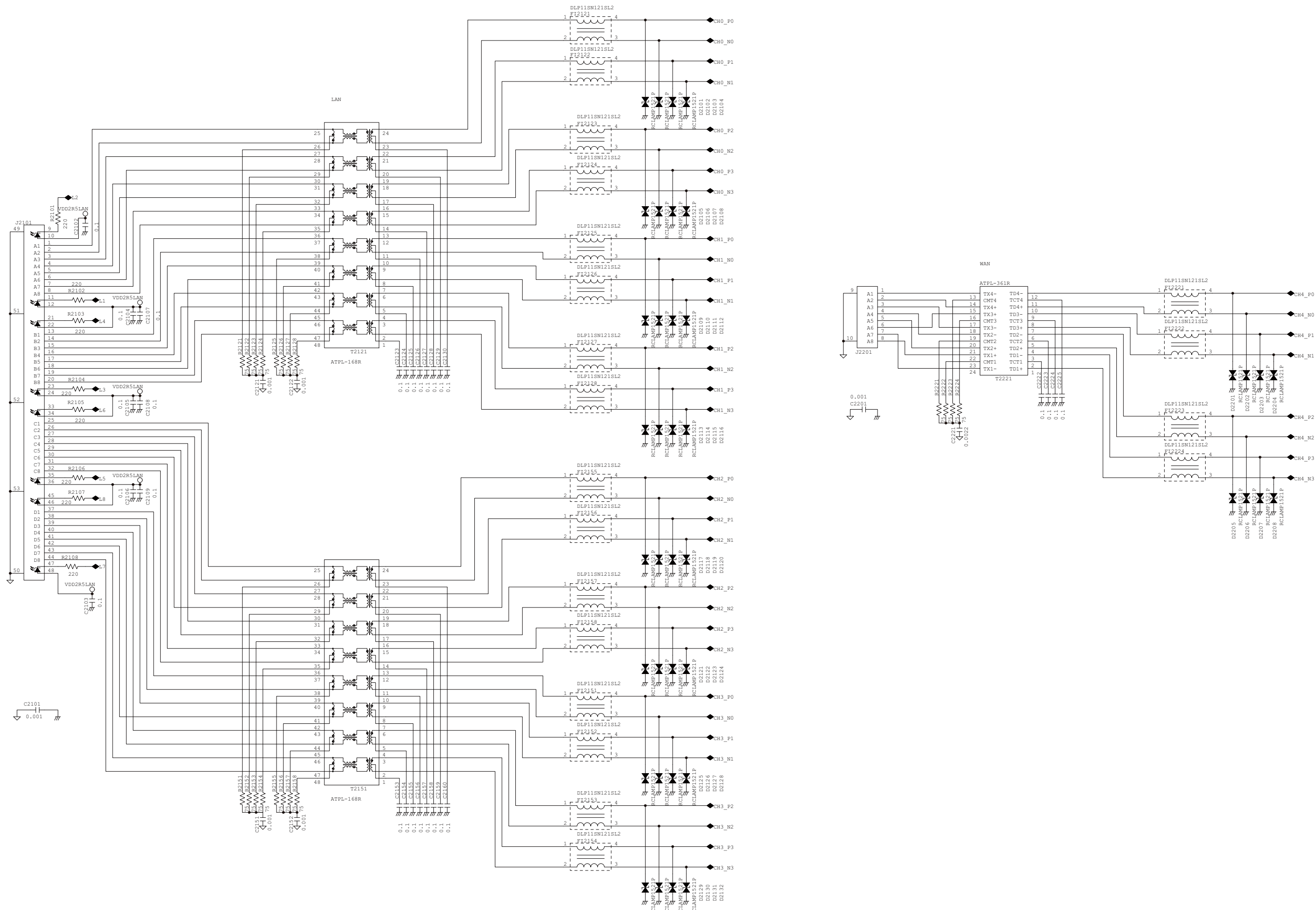
- **MAIN UNIT (4/9)**



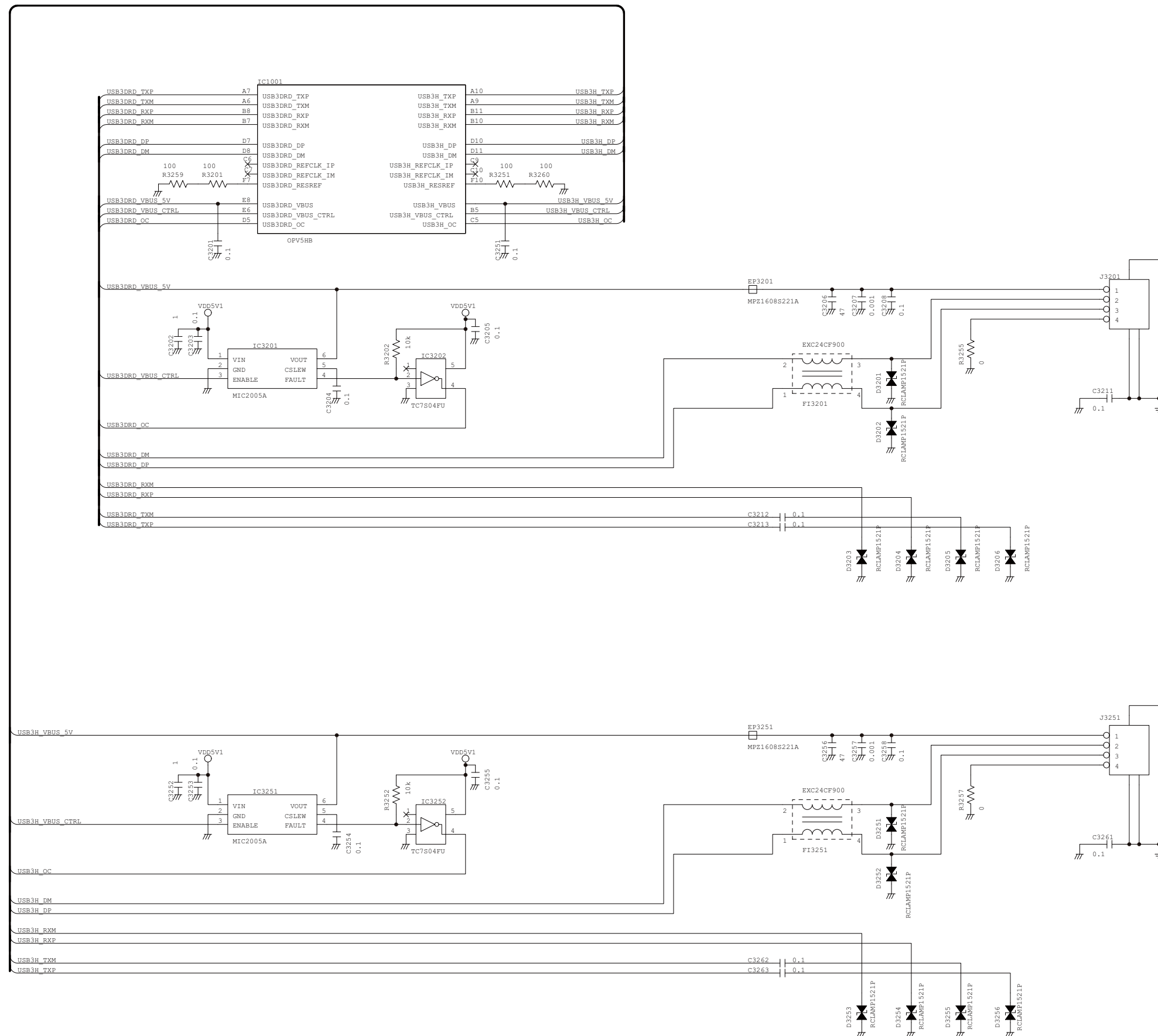
- **MAIN UNIT (5/9)**



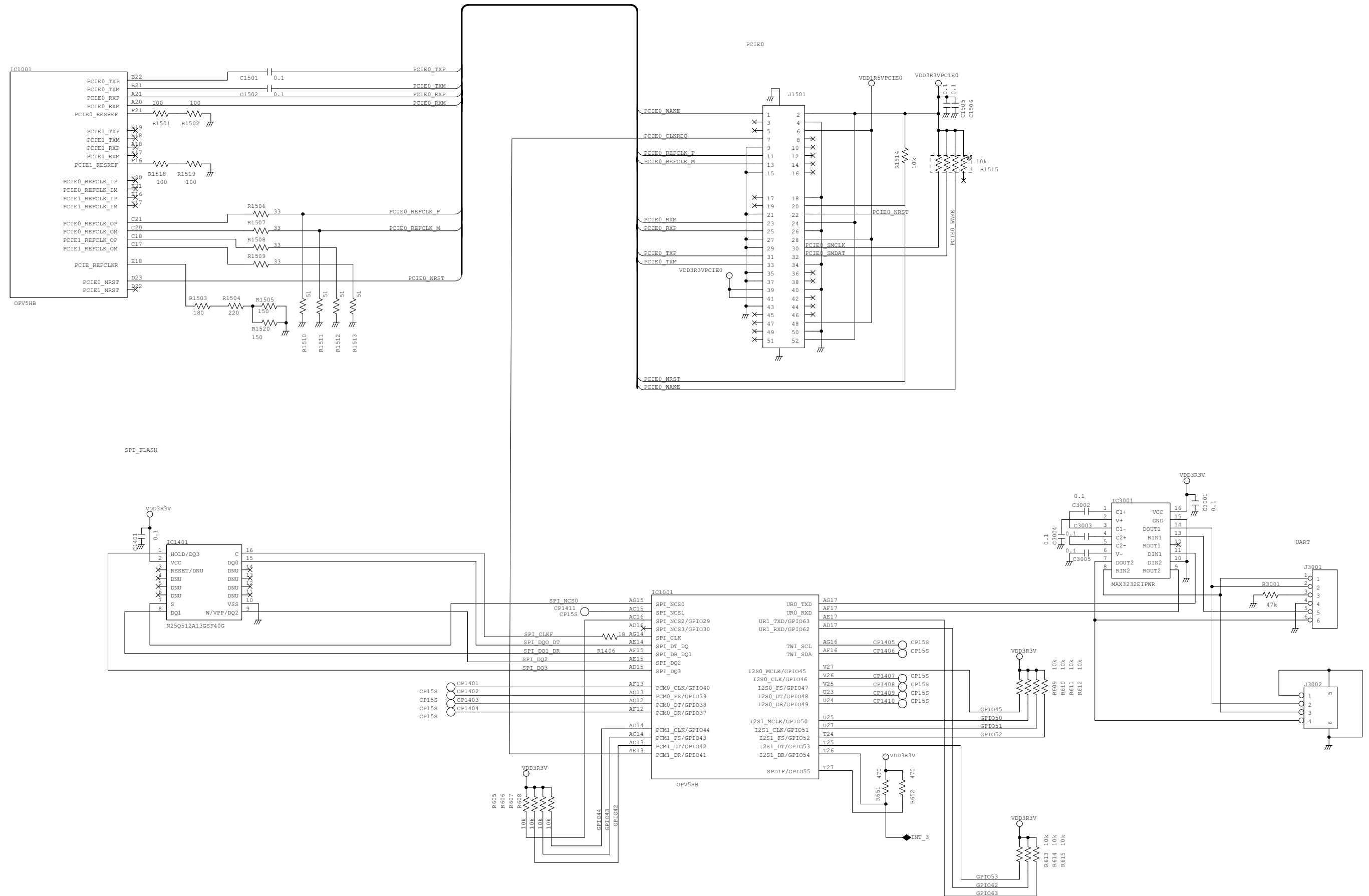
• MAIN UNIT (6/9)



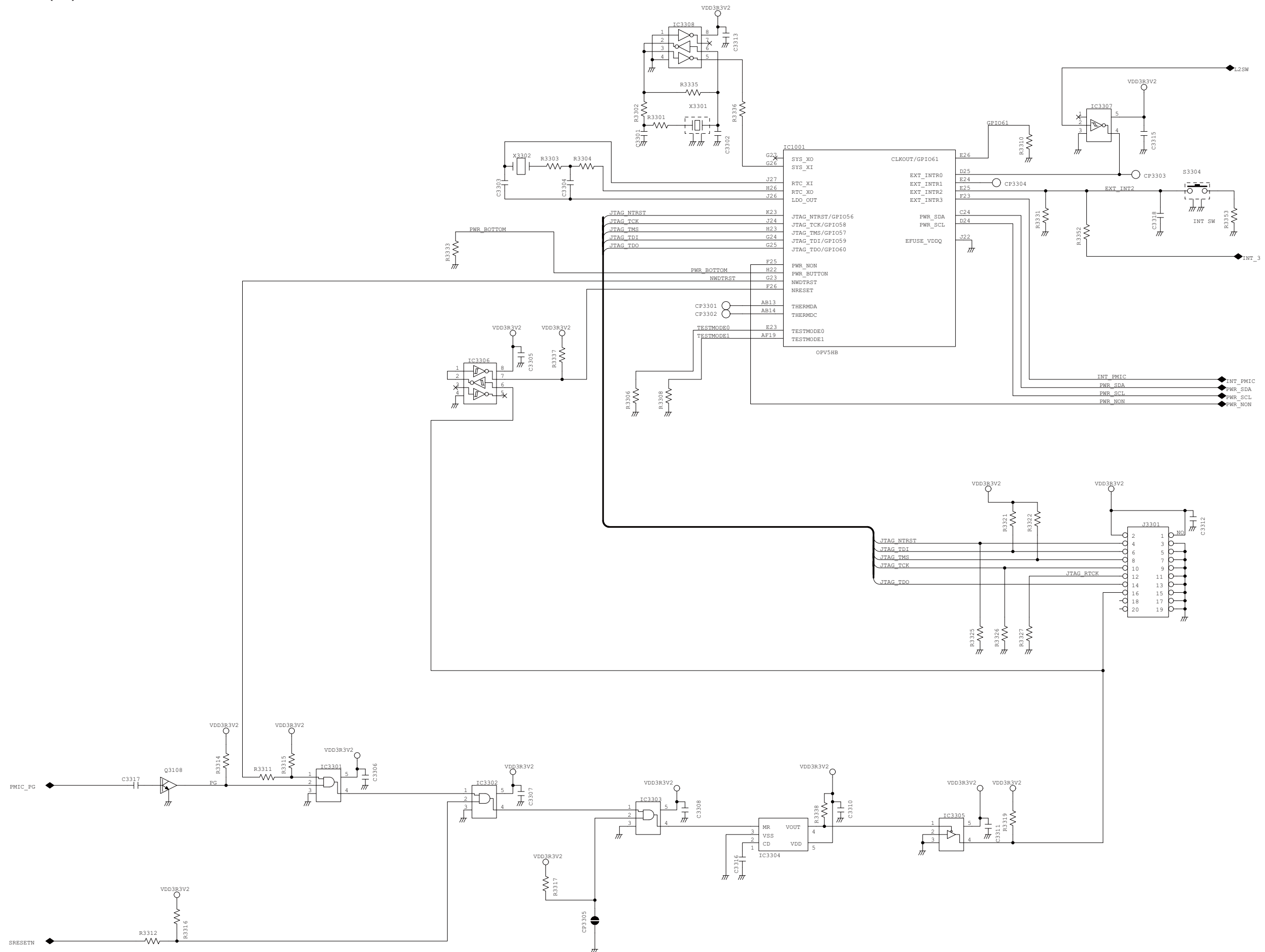
- **MAIN UNIT (7/9)**



- **MAIN UNIT (8/9)**



- **MAIN UNIT (9/9)**



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