

OKI

OKIPAGE 14i/14ex/14e LED Page Printer

Technical Reference

ODA/OEL/INT

2001-03-30 Rev.1

History of Revision

Rev.No.	Date	Corrected items			Person in change
		No.	Page	Description of change	
1	2001-03-30			Issue	

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1. CIRCUIT DIAGRAM

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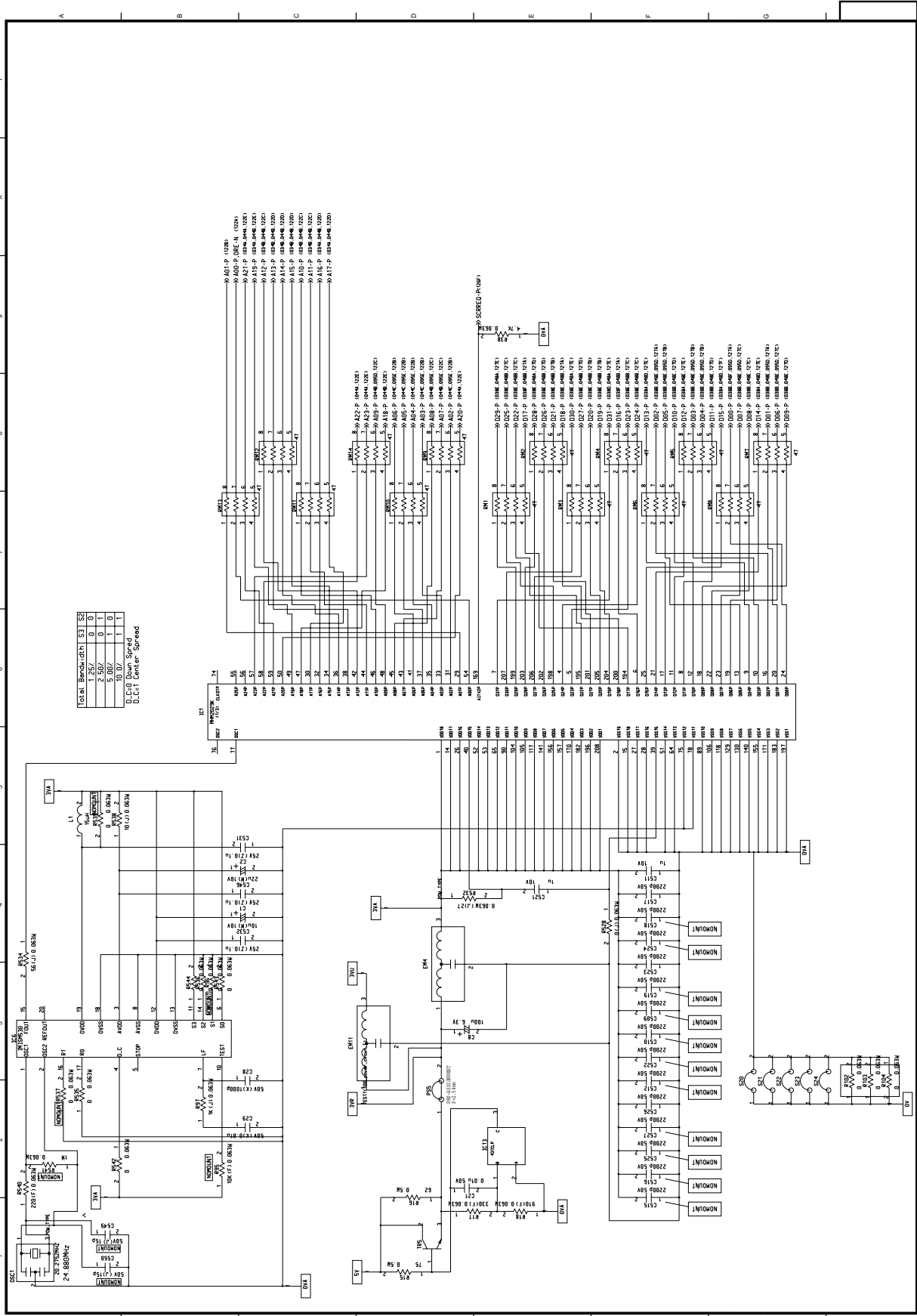


Figure 1-1 Main Control Board (M7G OP14e) (1/13)

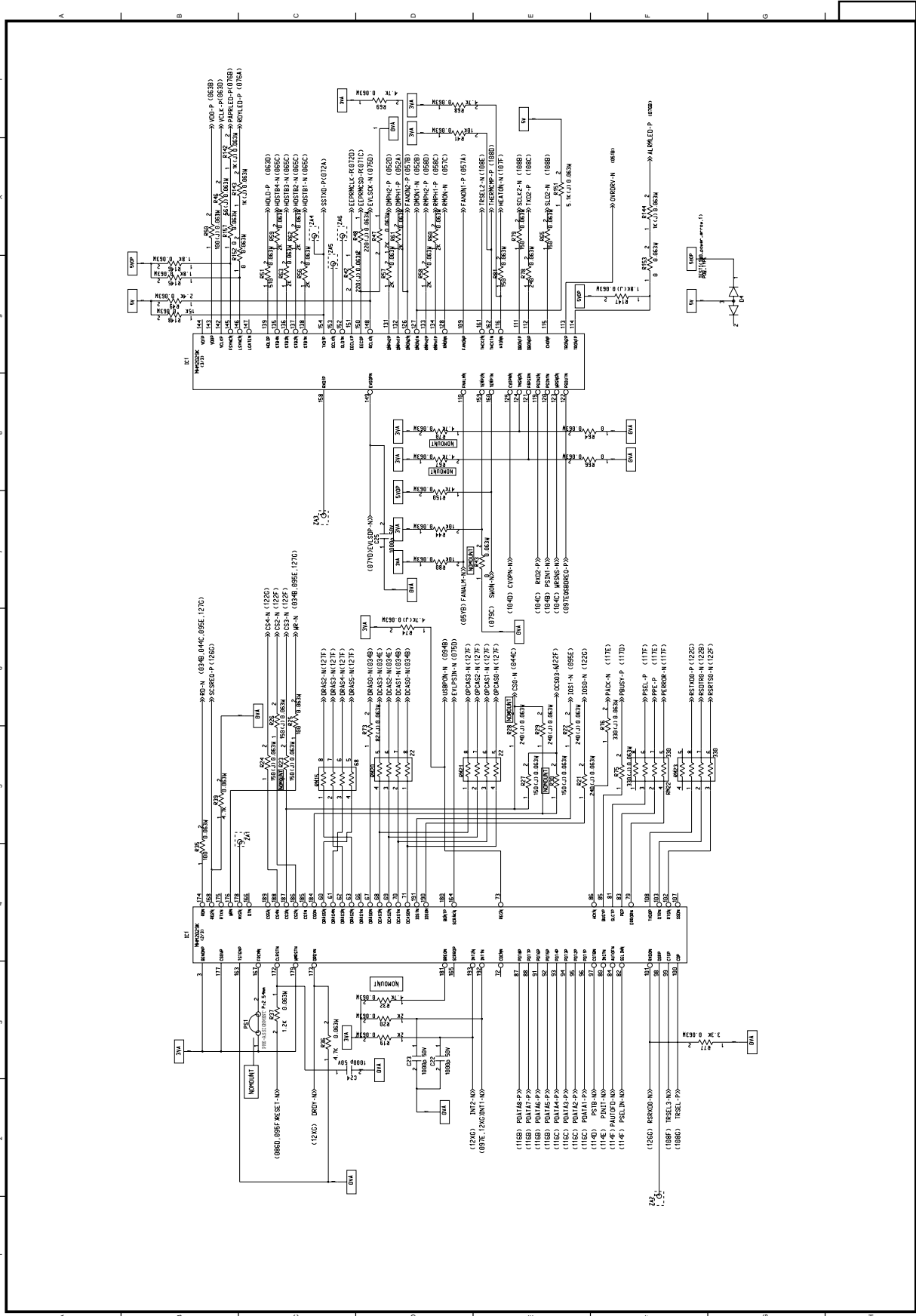


Figure 1-1 Main Control Board (M7G OP14e) (2/13)

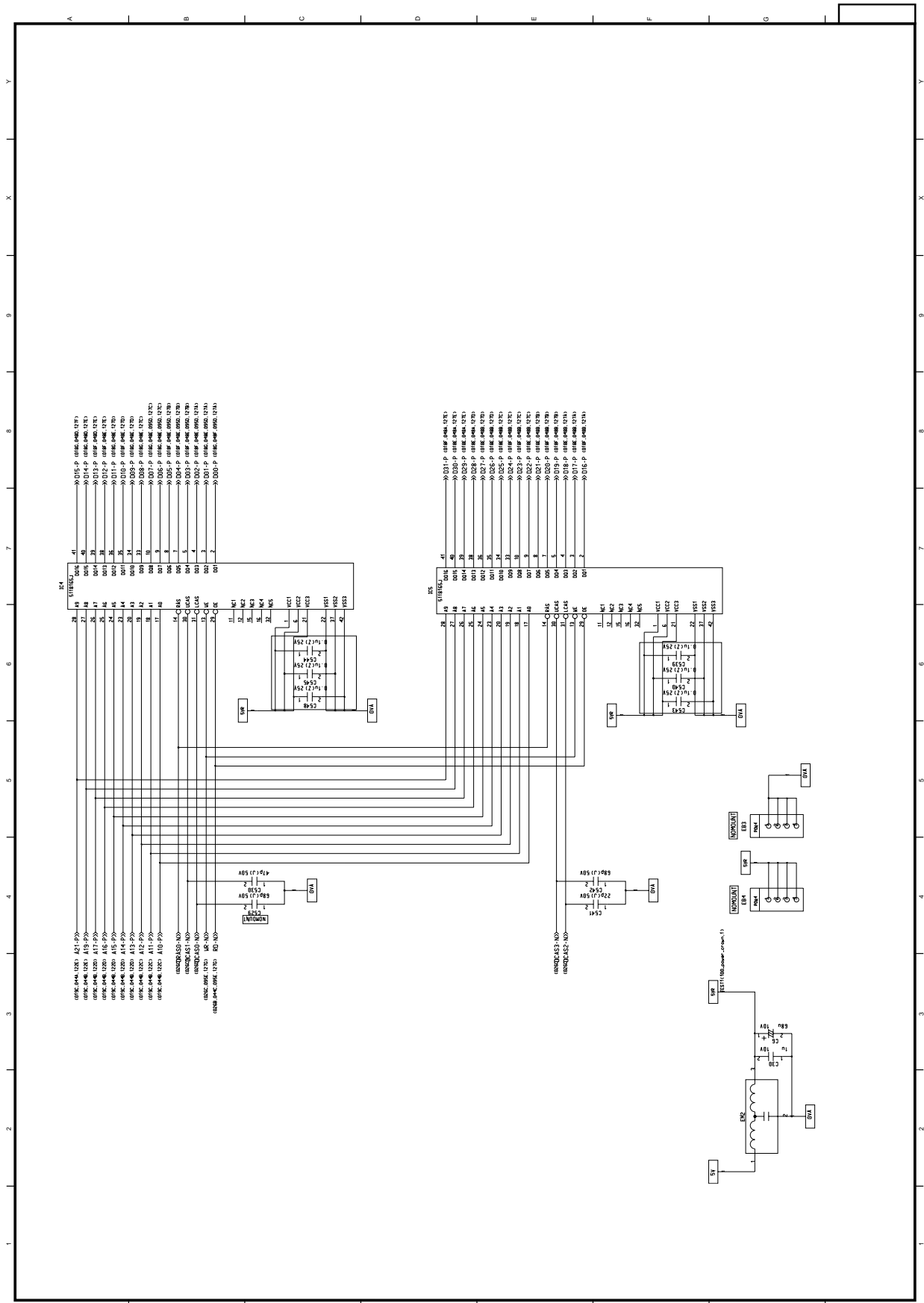


Figure 1-1 Main Control Board (M7G OP14e) (3/13)

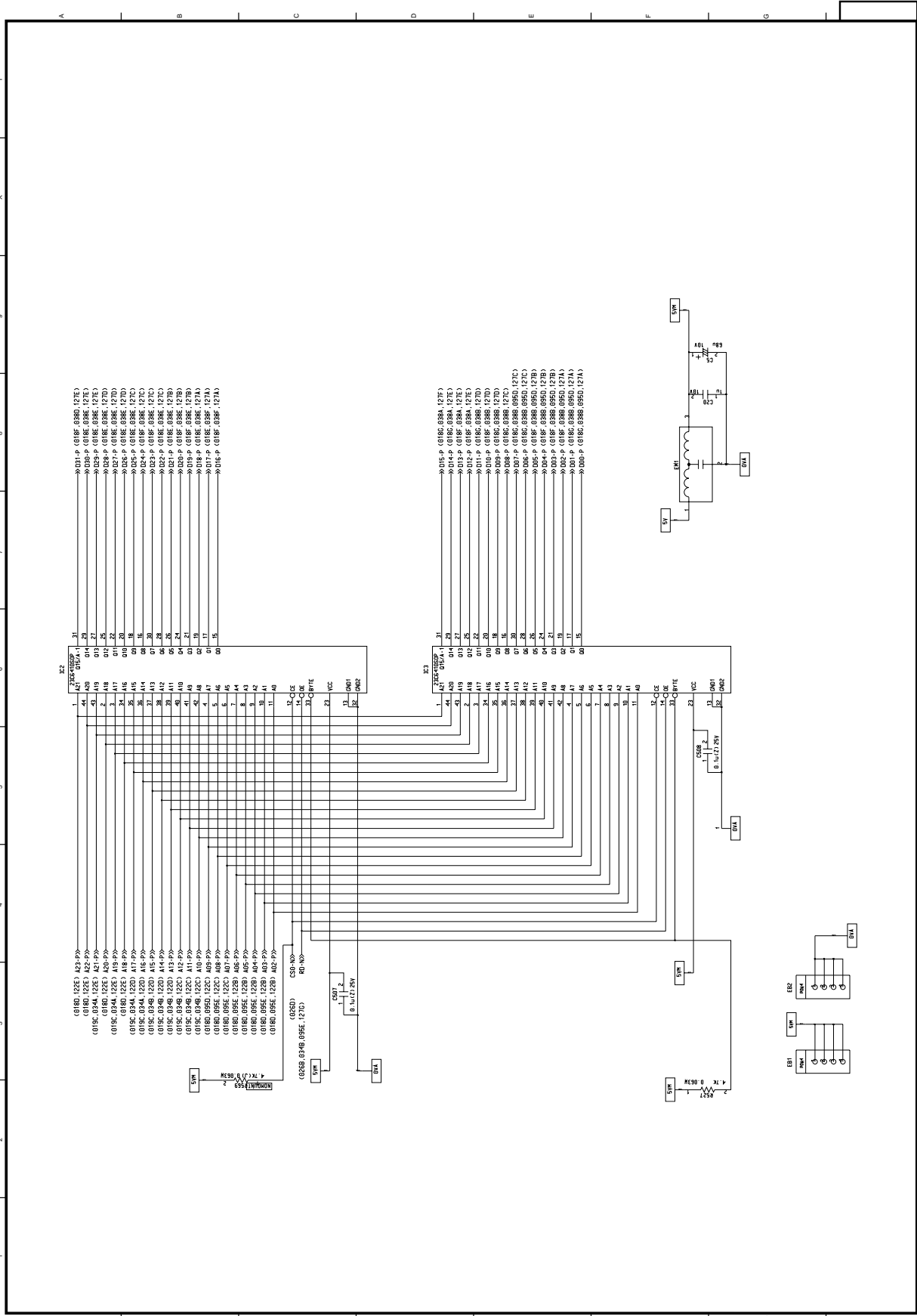


Figure 1-1 Main Control Board (M7G OP14e) (4/13)

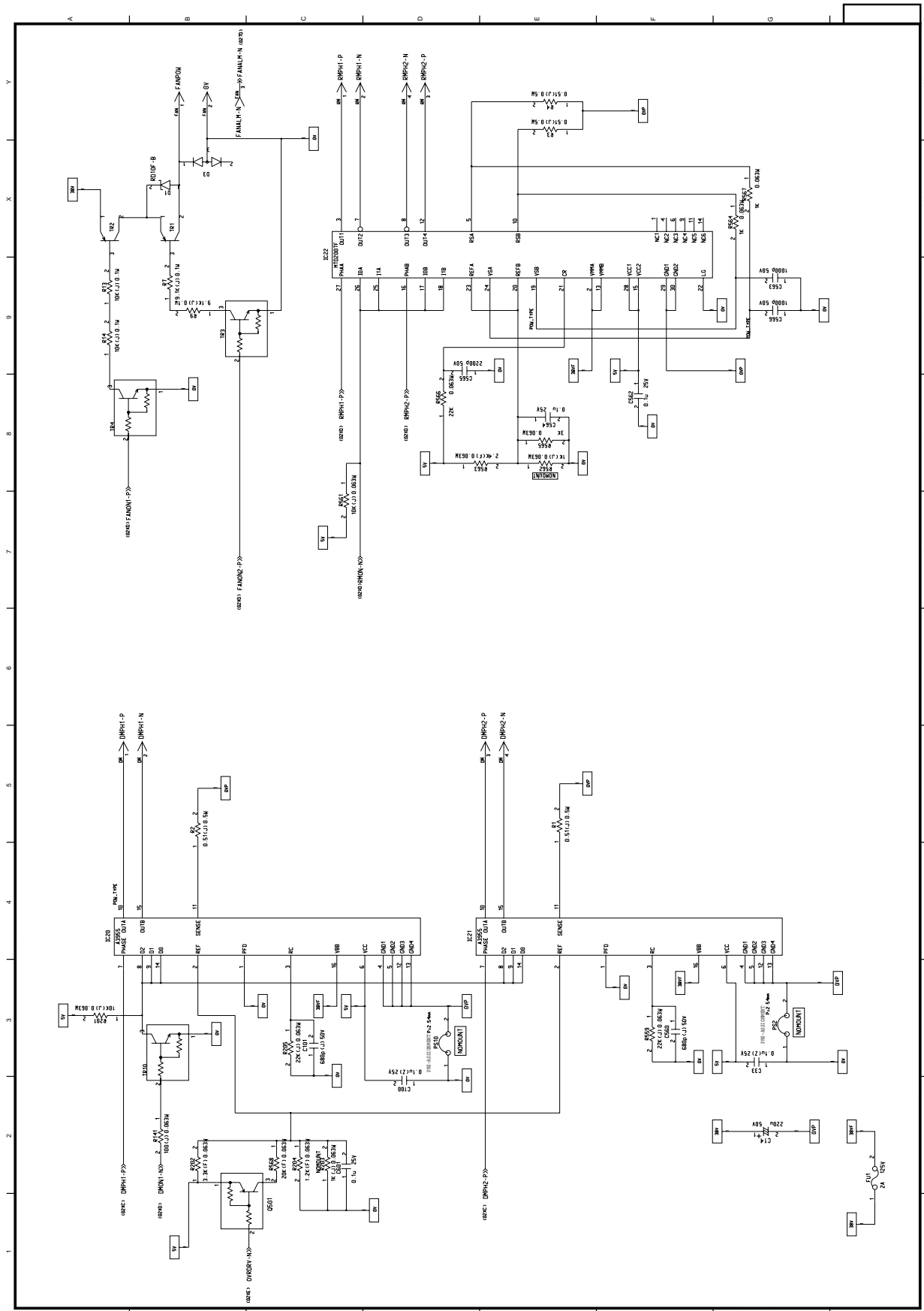


Figure 1-1 Main Control Board (M7G OP14e) (5/13)

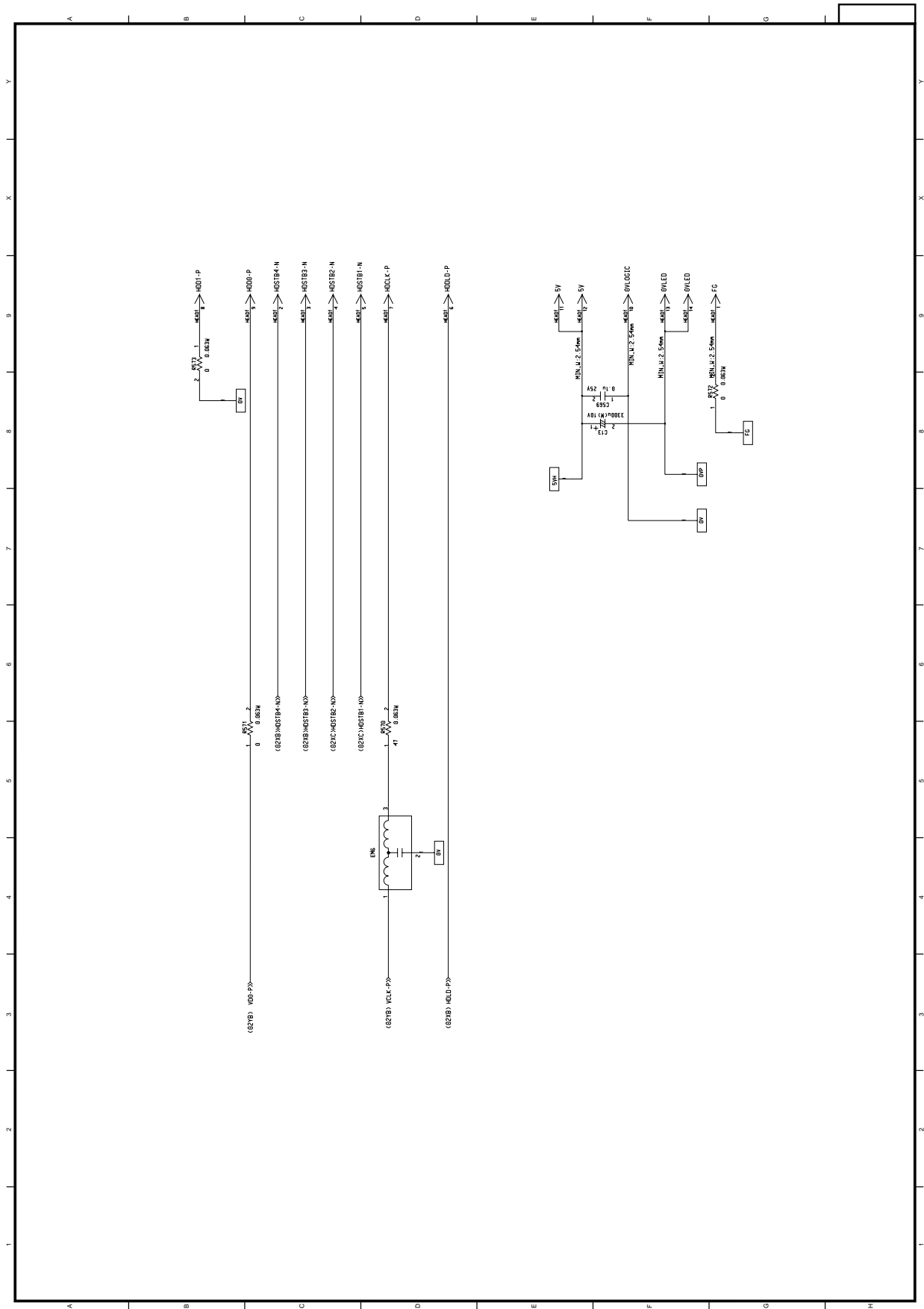


Figure 1-1 Main Control Board (M7G OP14e) (6/13)

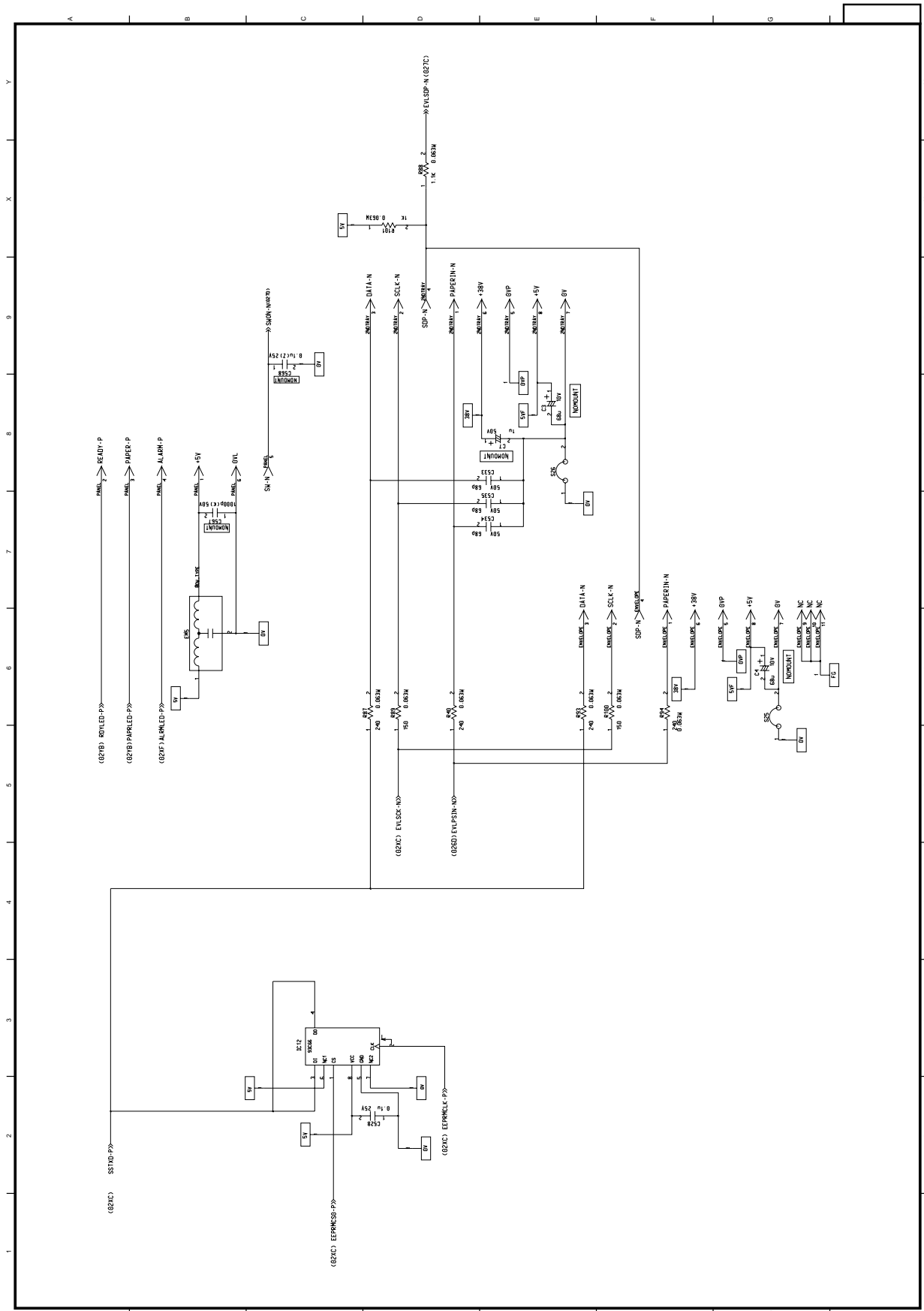


Figure 1-1 Main Control Board (M7G OP14e) (7/13)

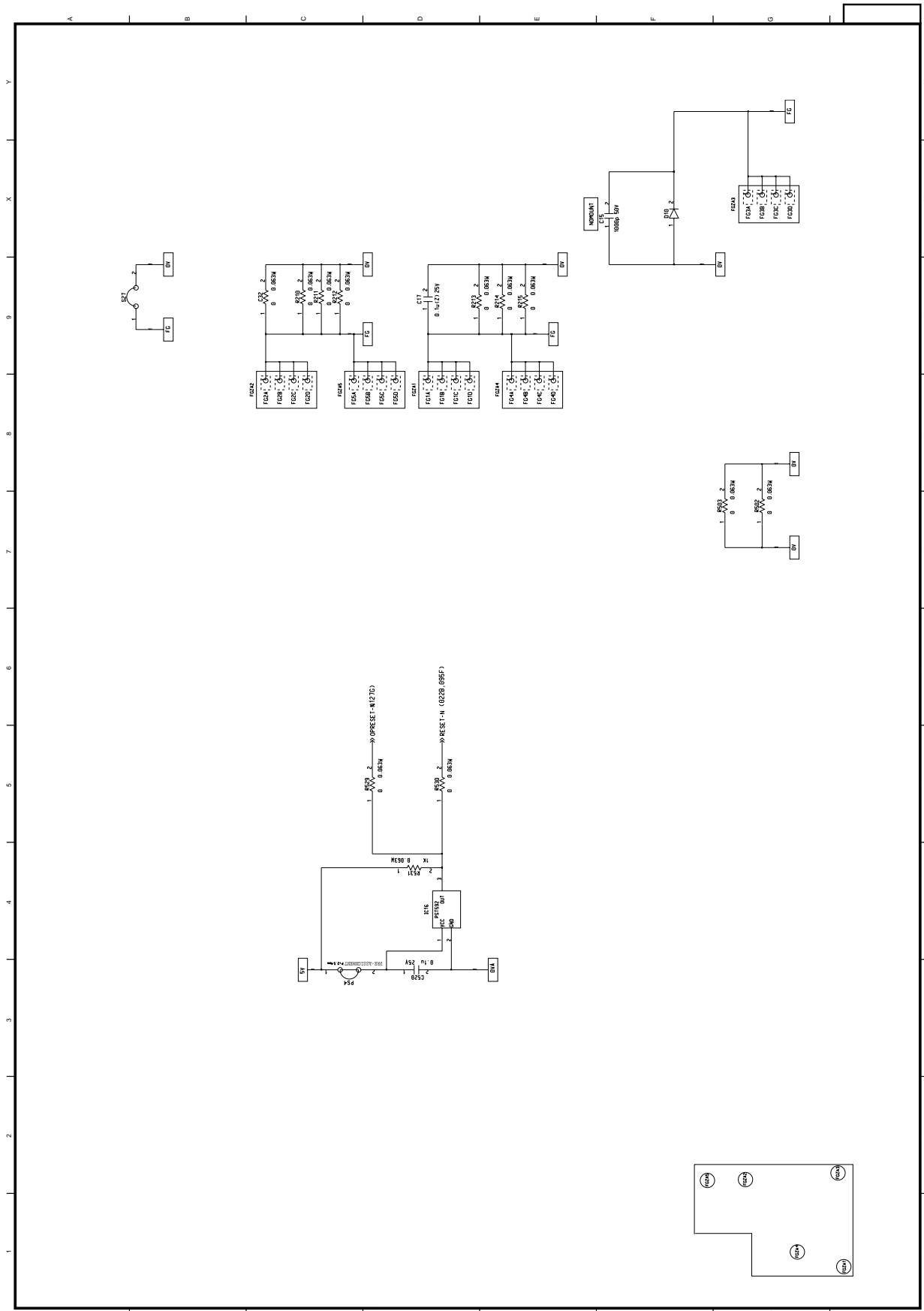


Figure 1-1 Main Control Board (M7G OP14e) (8/13)

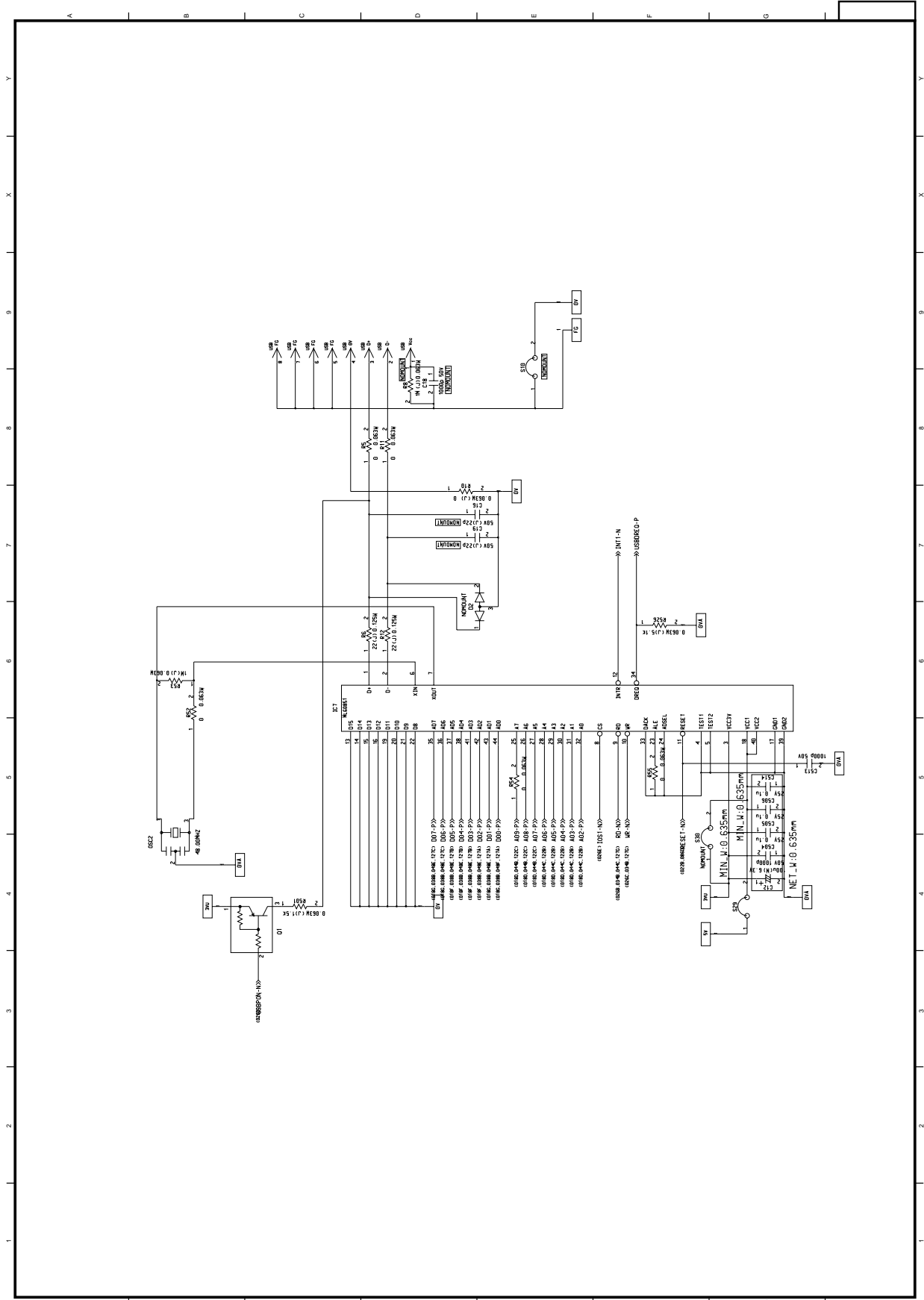


Figure 1-1 Main Control Board (M7G OP14e) (9/13)

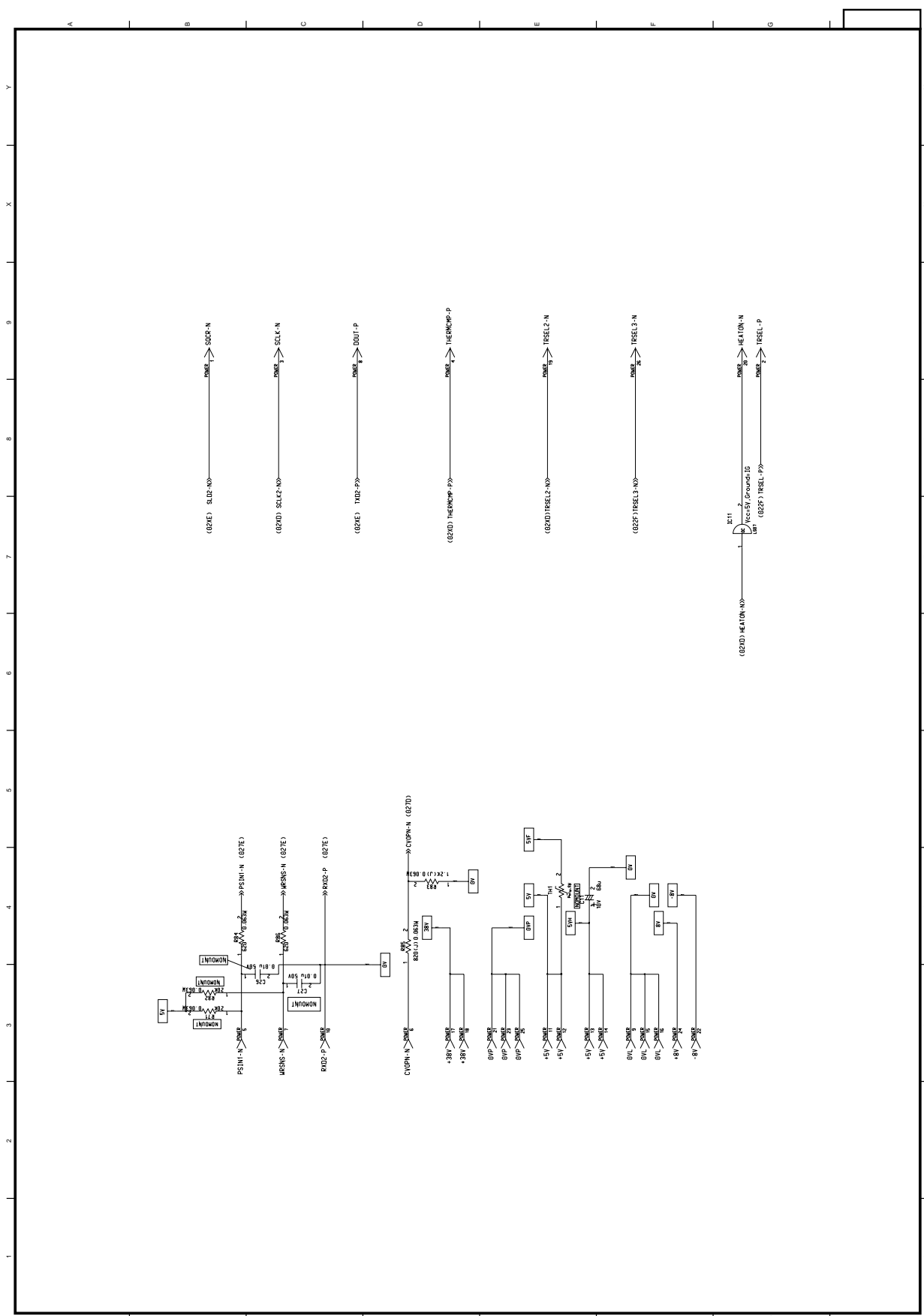


Figure 1-1 Main Control Board (M7G OP14e) (10/13)

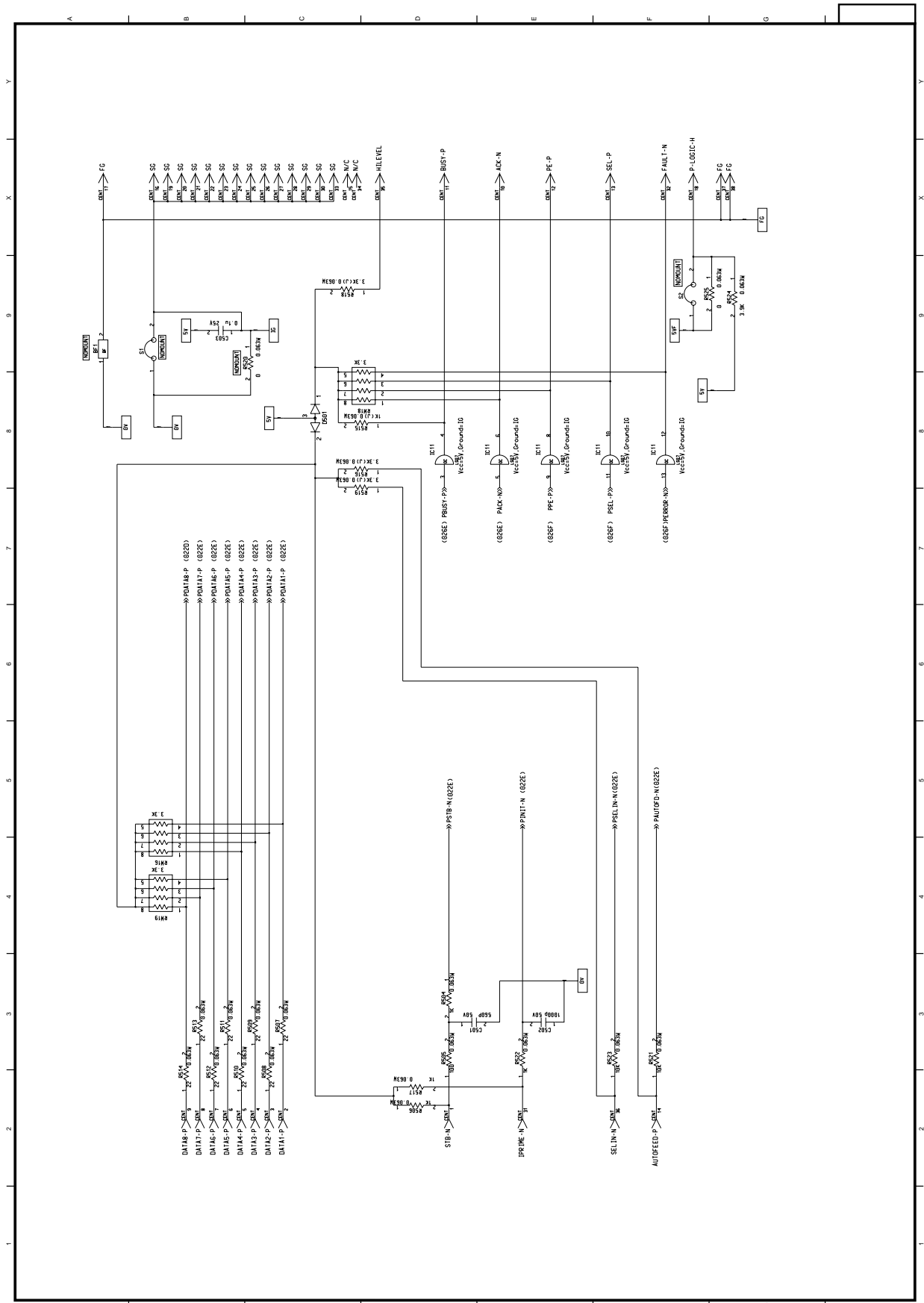


Figure 1-1 Main Control Board (M7G OP14e) (11/13)

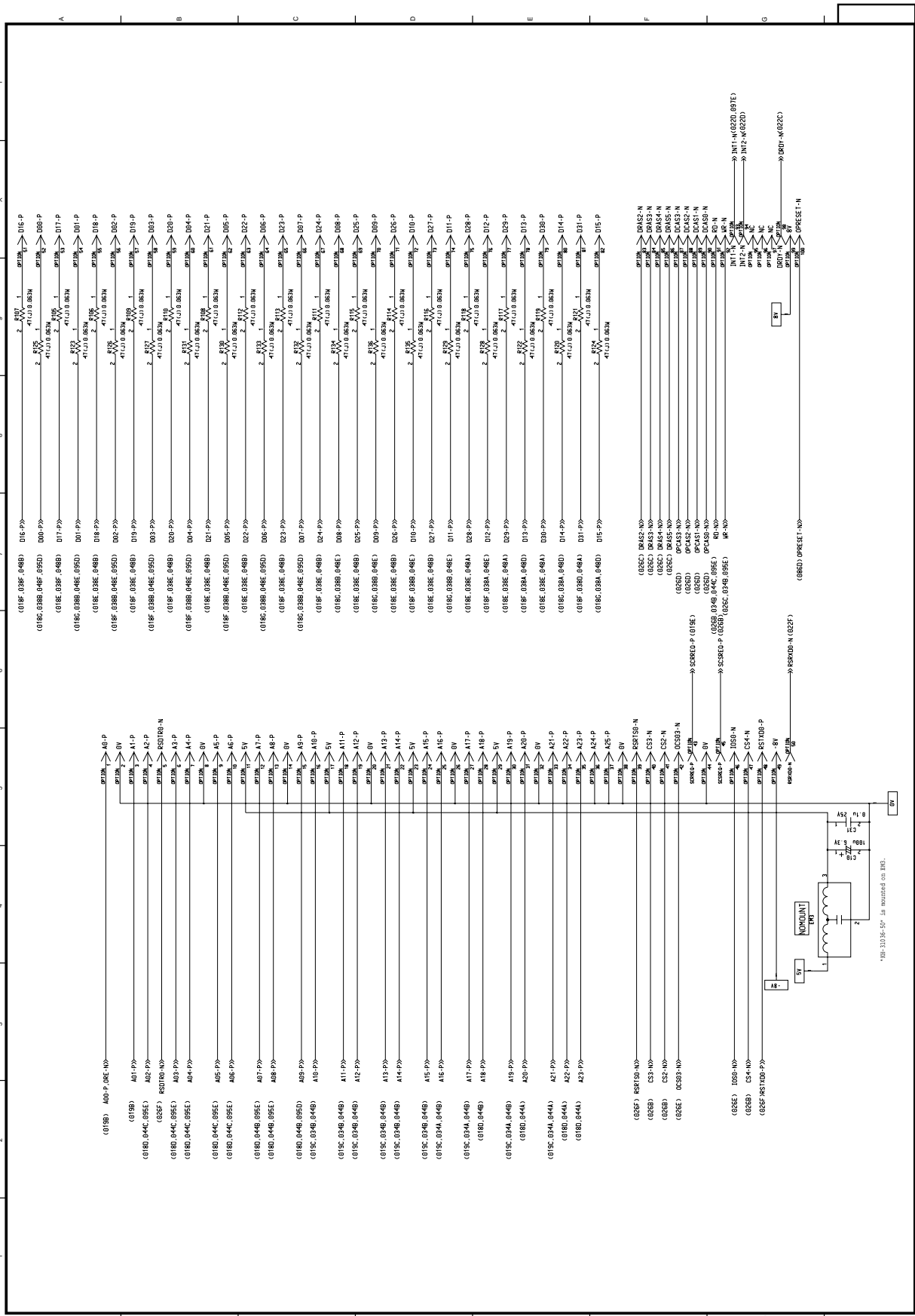


Figure 1-1 Main Control Board (M7G OP14e) (12/13)

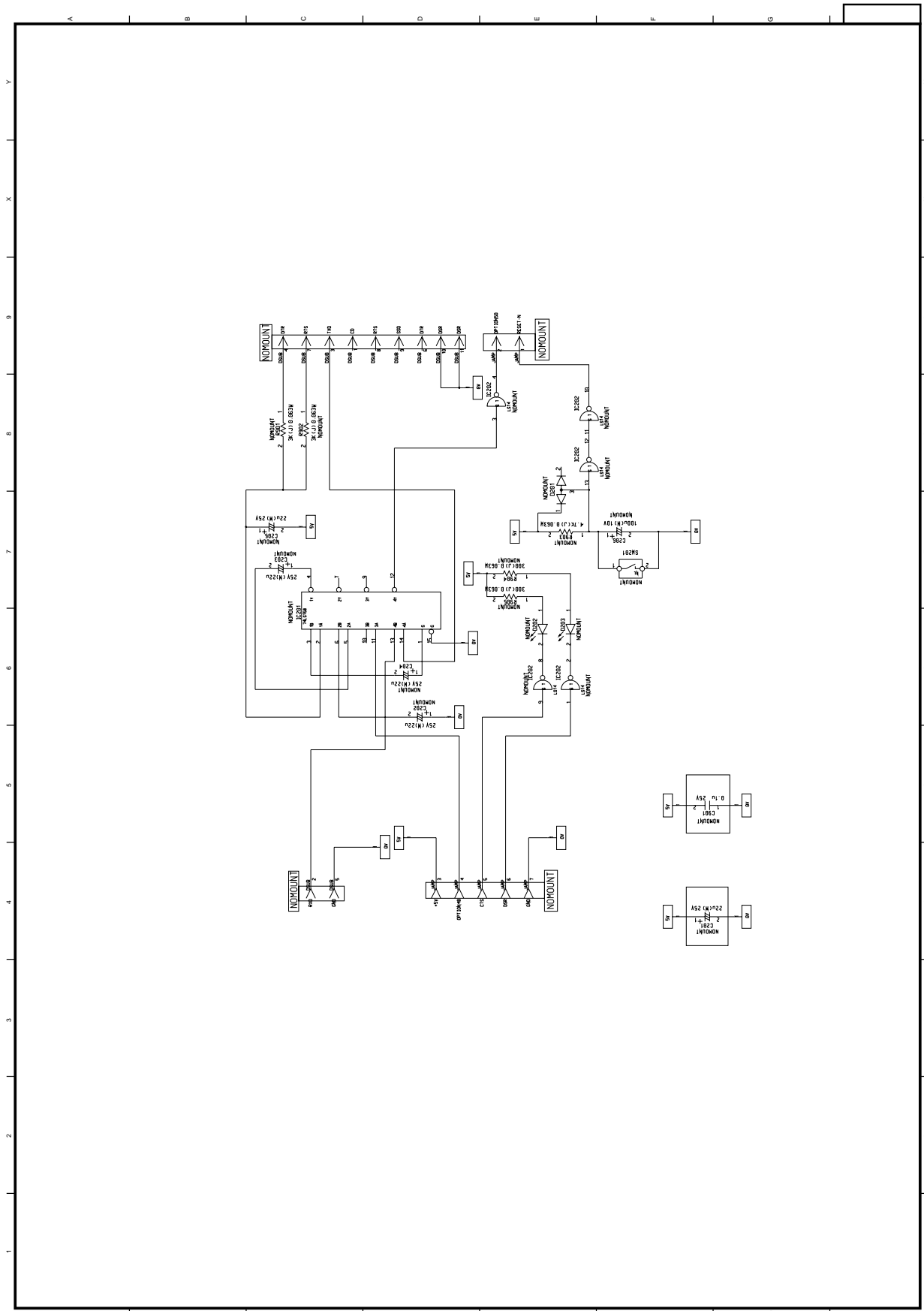


Figure 1-1 Main Control Board (M7G OP14e) (13/13)

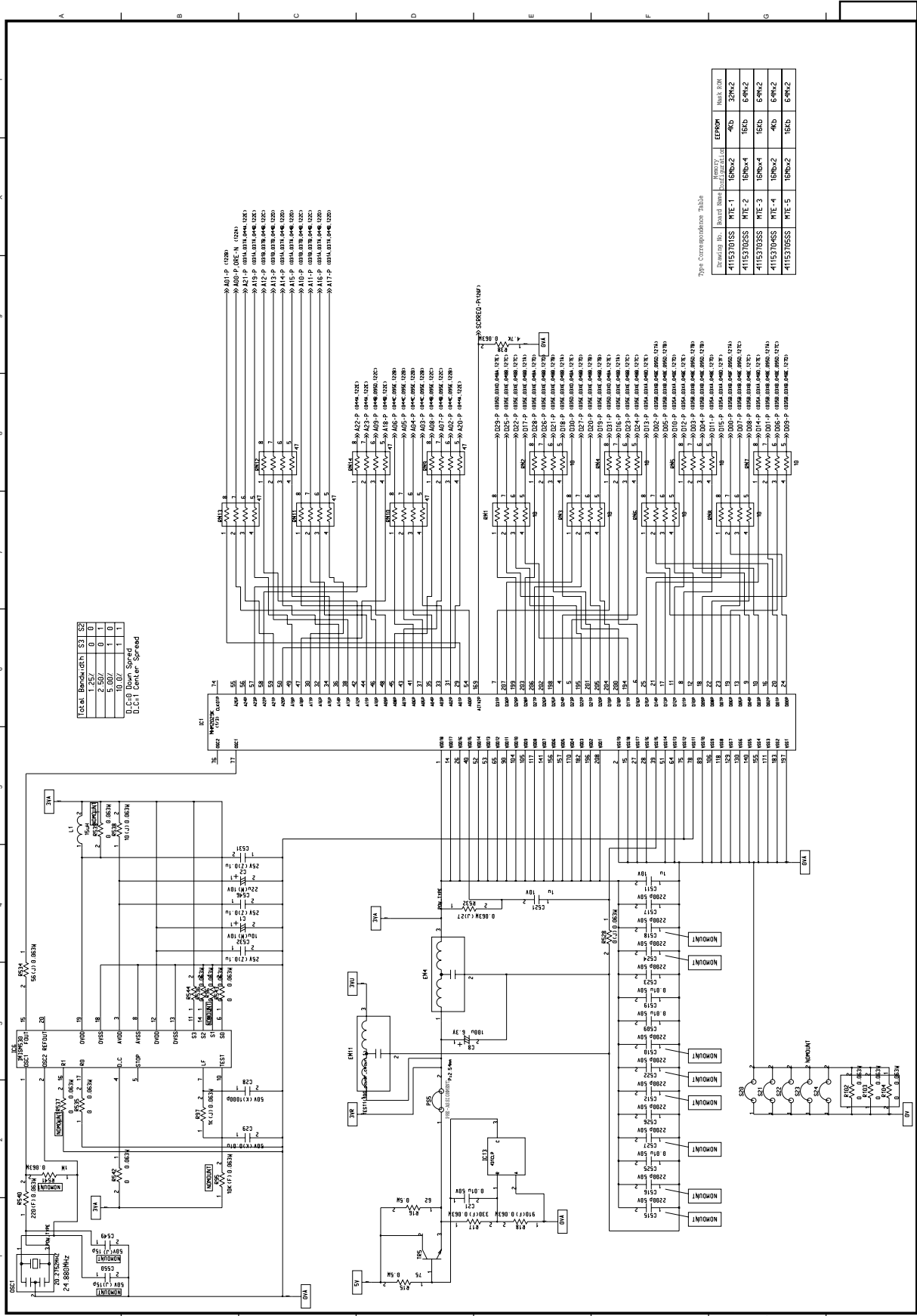
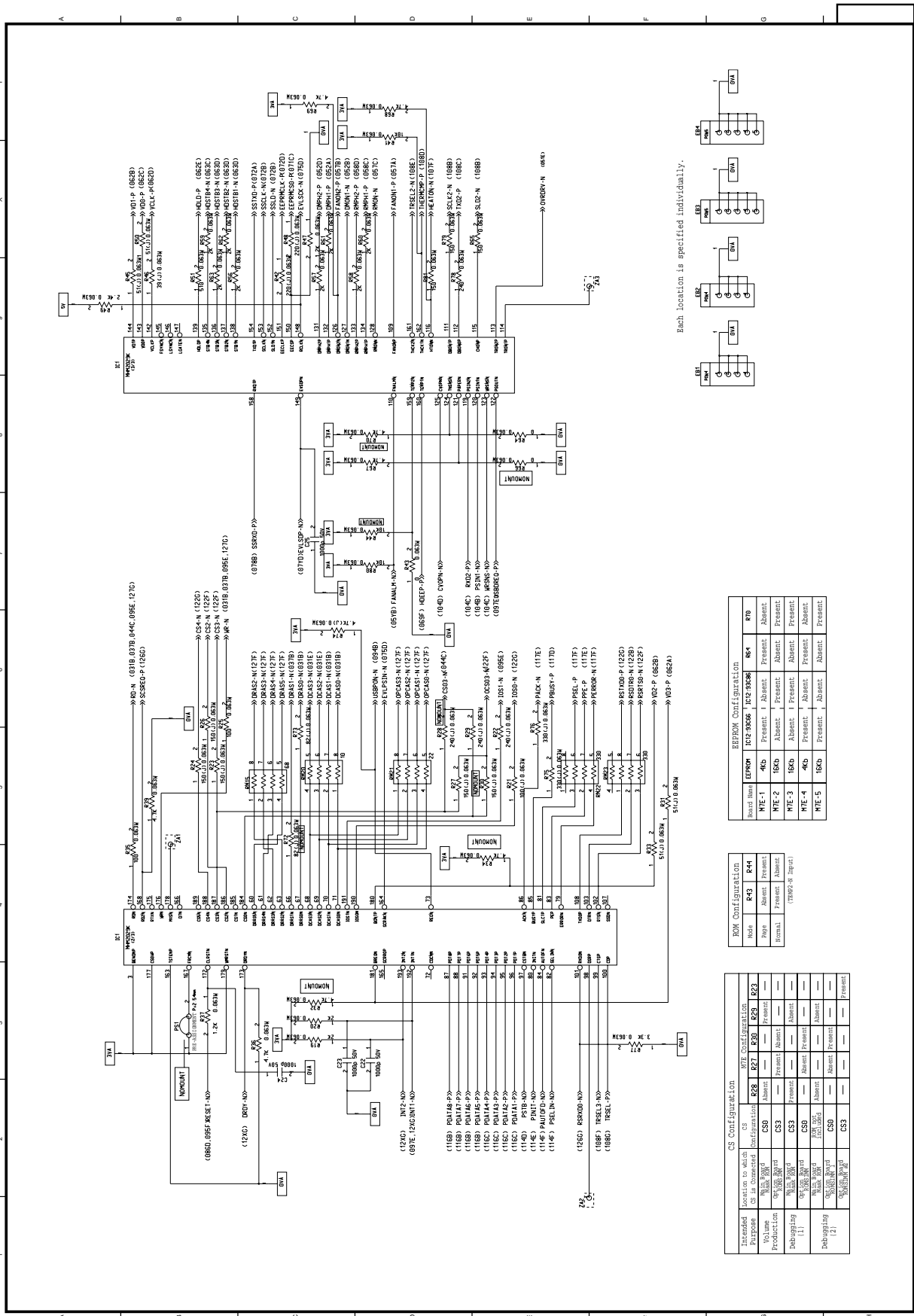


Figure 1-2 Main Control Board (M7E OP14i/OP14ex) (1/13)



Each location is specified individually.

CS Configuration		RFE Configuration		RPM Configuration		EPPROM Configuration	
Item	Value	Item	Value	Item	Value	Item	Value
Item 1	CS-1	Item 1	RFE-1	Item 1	RPM-1	Item 1	EPPROM-1
Item 2	CS-2	Item 2	RFE-2	Item 2	RPM-2	Item 2	EPPROM-2
Item 3	CS-3	Item 3	RFE-3	Item 3	RPM-3	Item 3	EPPROM-3
Item 4	CS-4	Item 4	RFE-4	Item 4	RPM-4	Item 4	EPPROM-4
Item 5	CS-5	Item 5	RFE-5	Item 5	RPM-5	Item 5	EPPROM-5
Item 6	CS-6	Item 6	RFE-6	Item 6	RPM-6	Item 6	EPPROM-6
Item 7	CS-7	Item 7	RFE-7	Item 7	RPM-7	Item 7	EPPROM-7
Item 8	CS-8	Item 8	RFE-8	Item 8	RPM-8	Item 8	EPPROM-8
Item 9	CS-9	Item 9	RFE-9	Item 9	RPM-9	Item 9	EPPROM-9
Item 10	CS-10	Item 10	RFE-10	Item 10	RPM-10	Item 10	EPPROM-10

Figure 1-2 Main Control Board (M7E OP14i/OP14ex) (2/13)

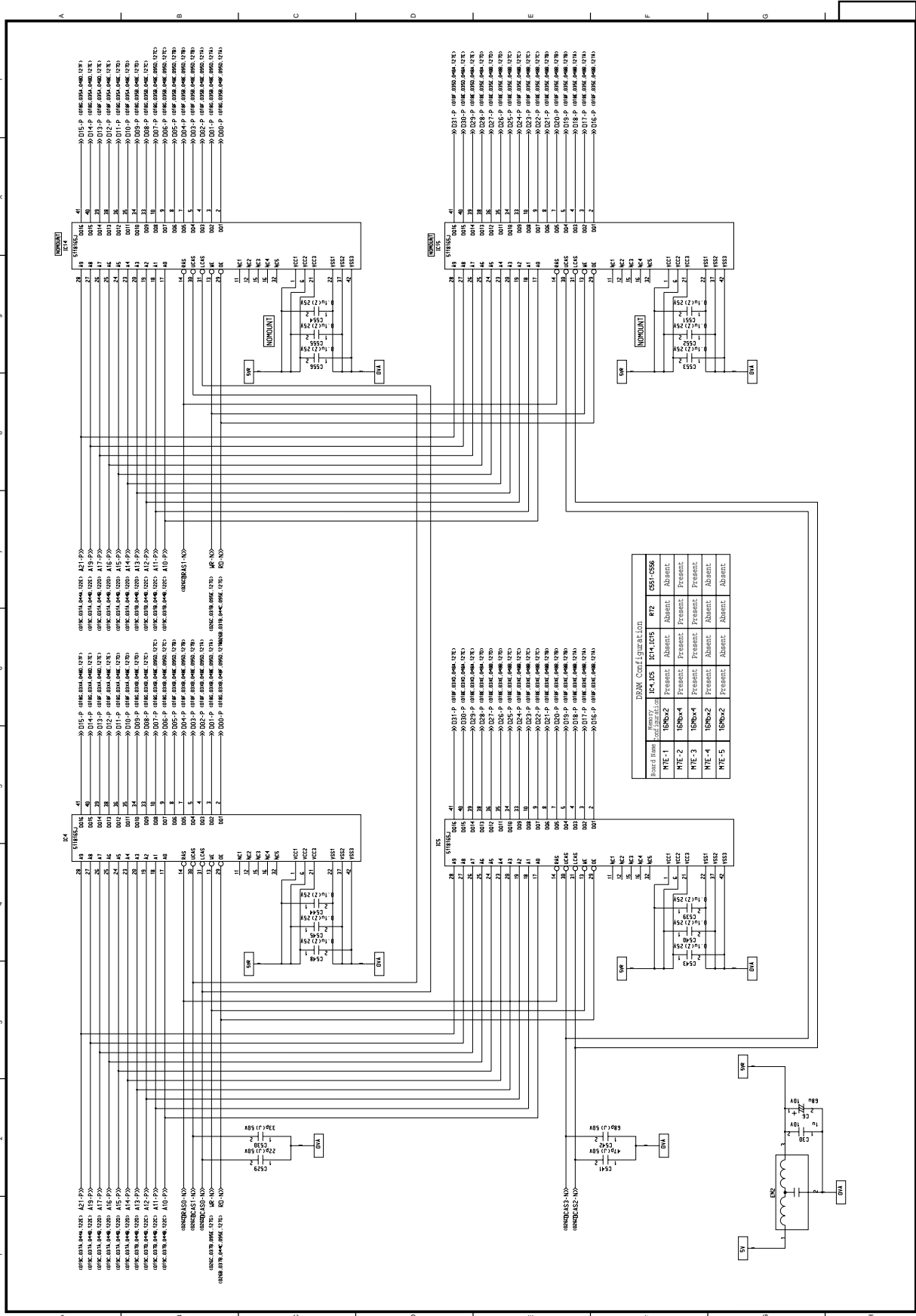


Figure 1-2 Main Control Board (M7E OP14i/OP14ex) (3/13)

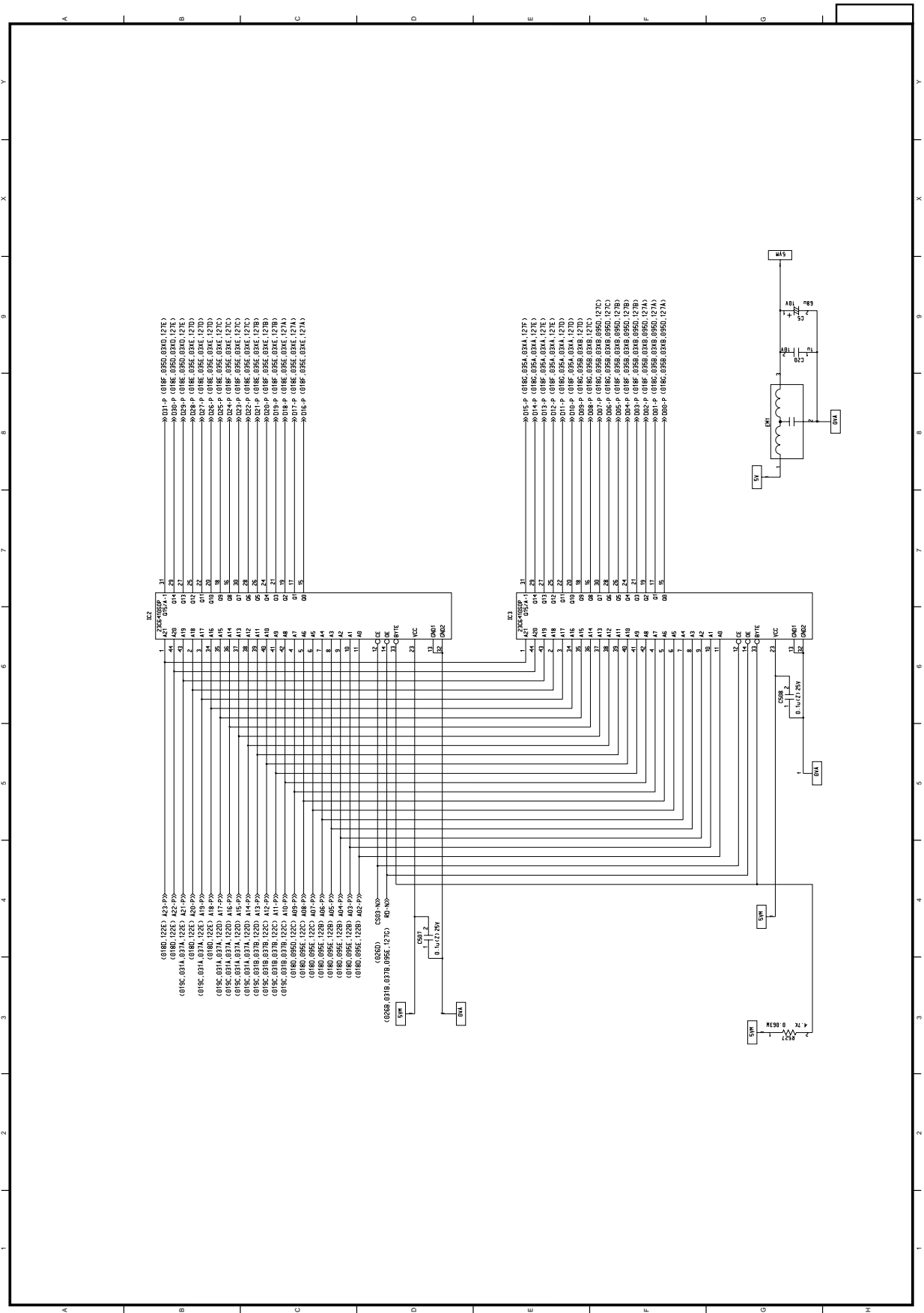


Figure 1-2 Main Control Board (M7E OP14i/OP14ex) (4/13)

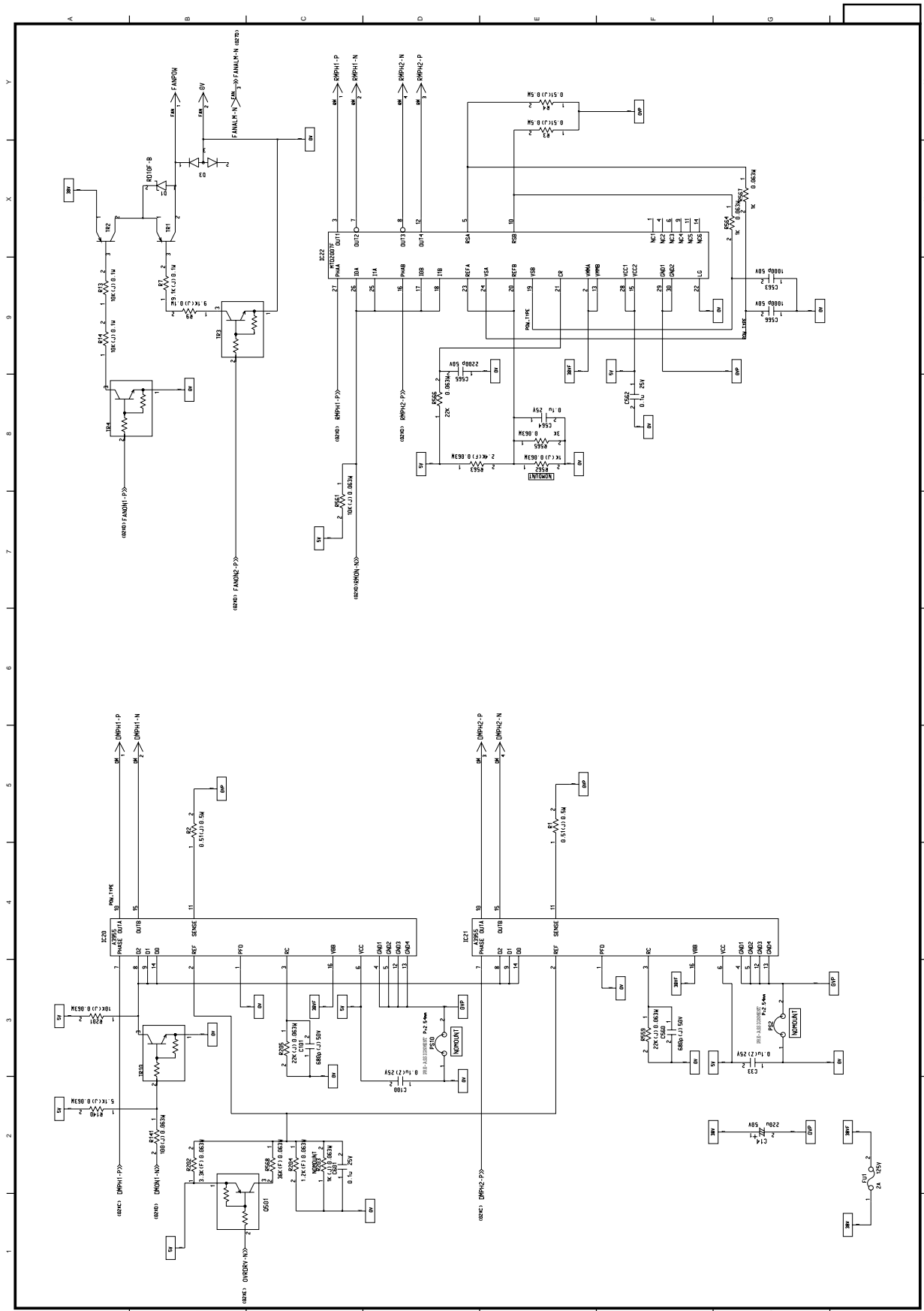


Figure 1-2 Main Control Board (M7E OP14i/OP14ex) (5/13)

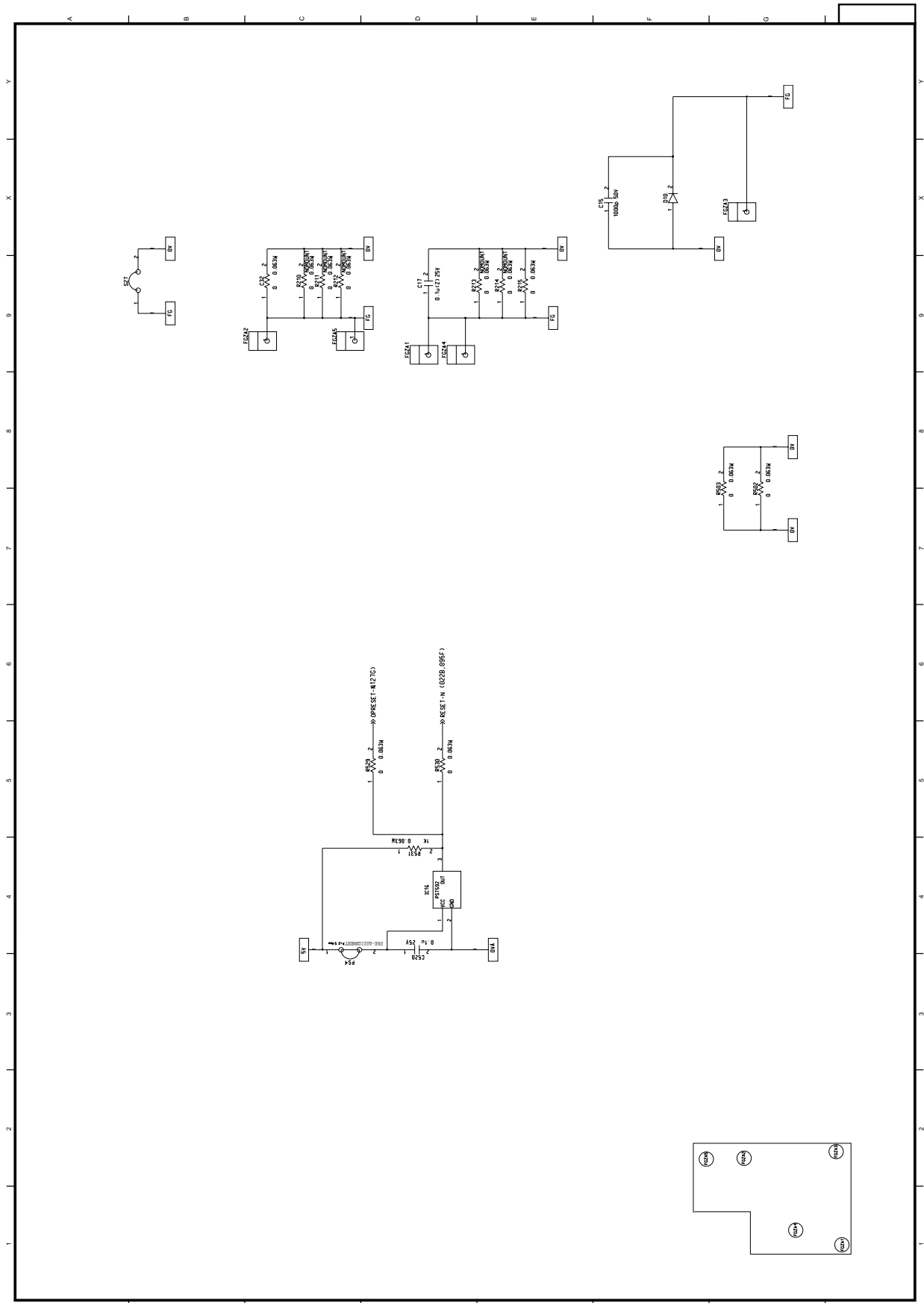


Figure 1-2 Main Control Board (M7E OP14i/OP14ex) (8/13)

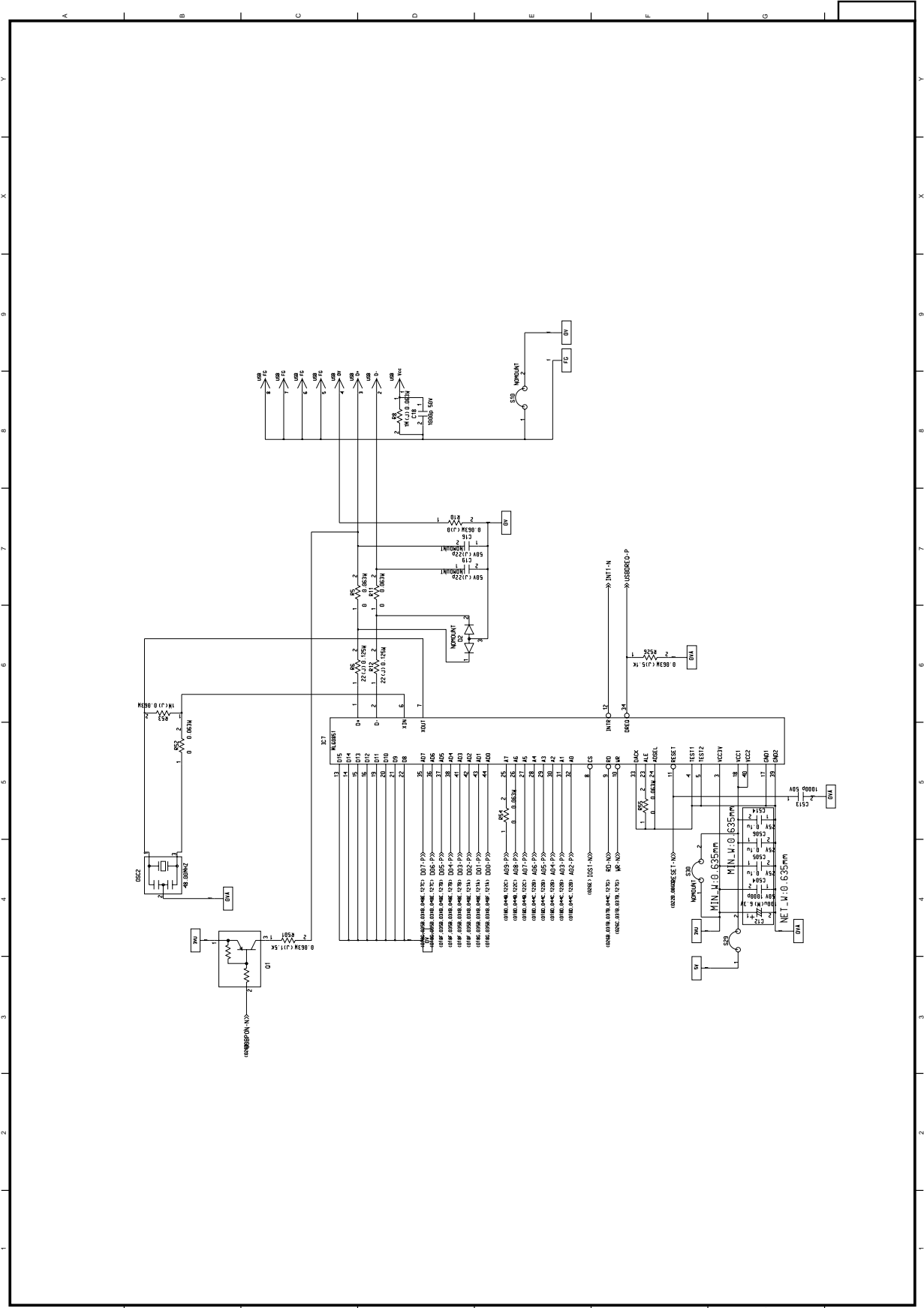


Figure 1-2 Main Control Board (M7E OP14i/OP14ex) (9/13)

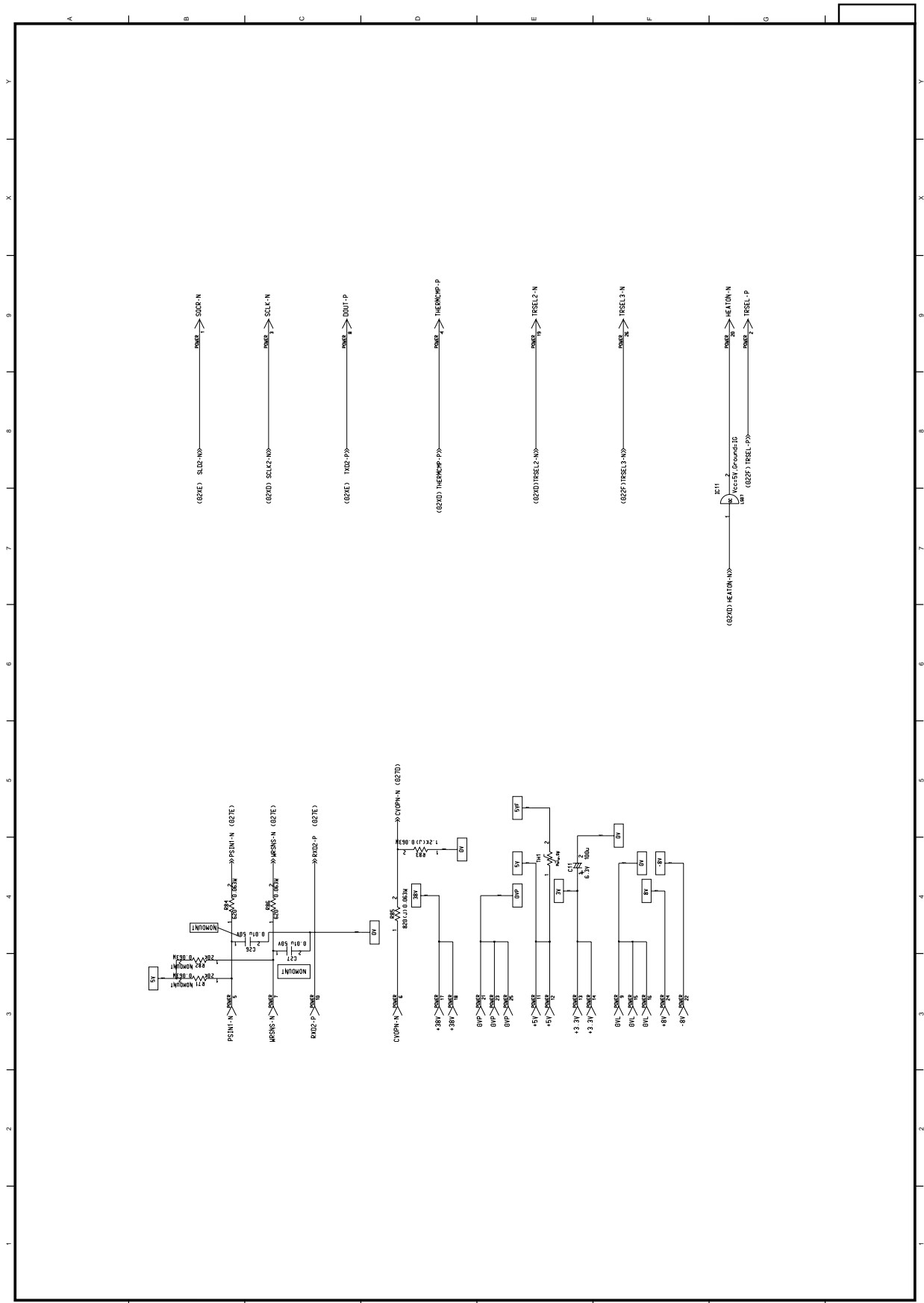


Figure 1-2 Main Control Board (M7E OP14i/OP14ex) (10/13)

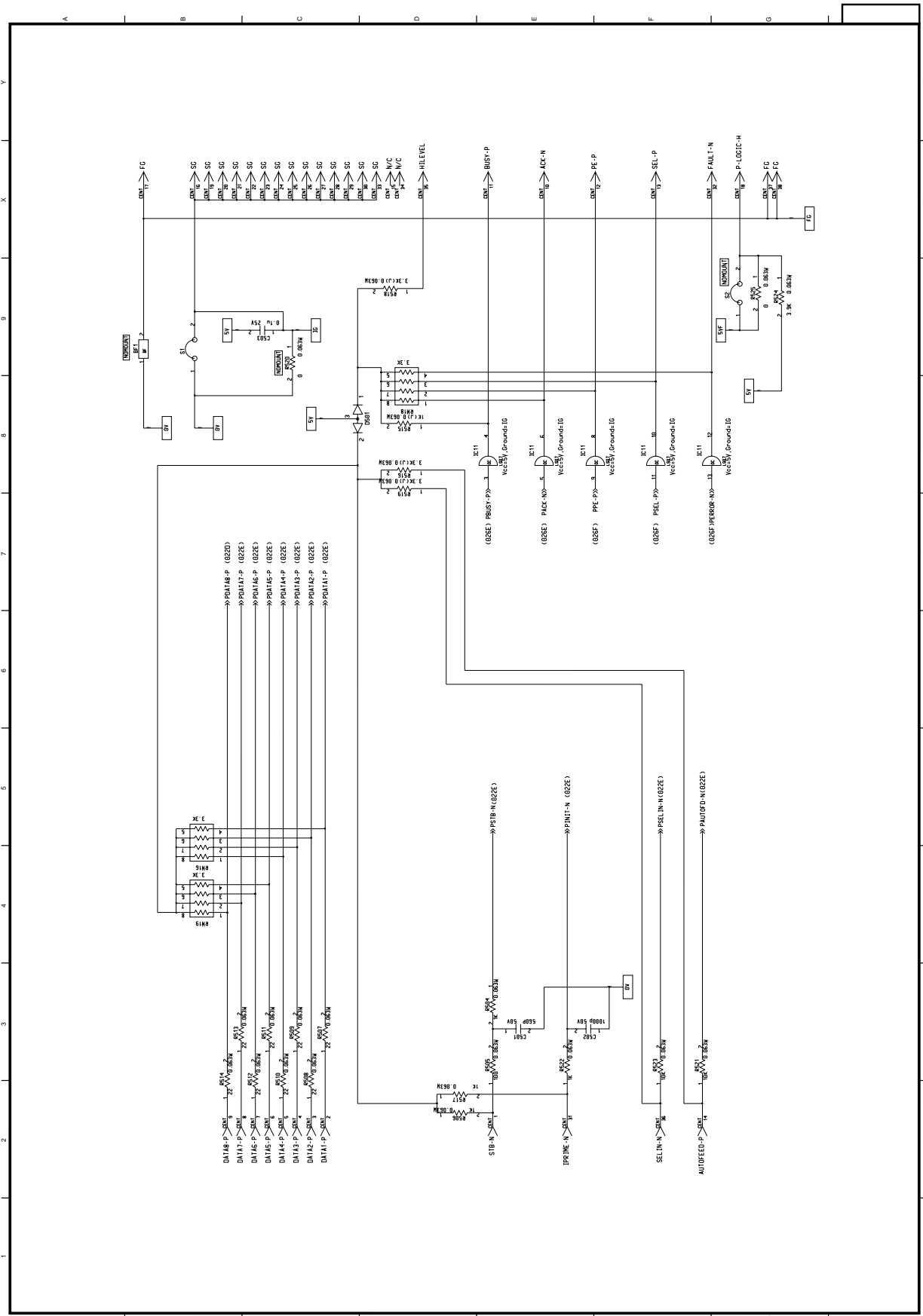


Figure 1-2 Main Control Board (M7E OP14i/OP14ex) (11/13)

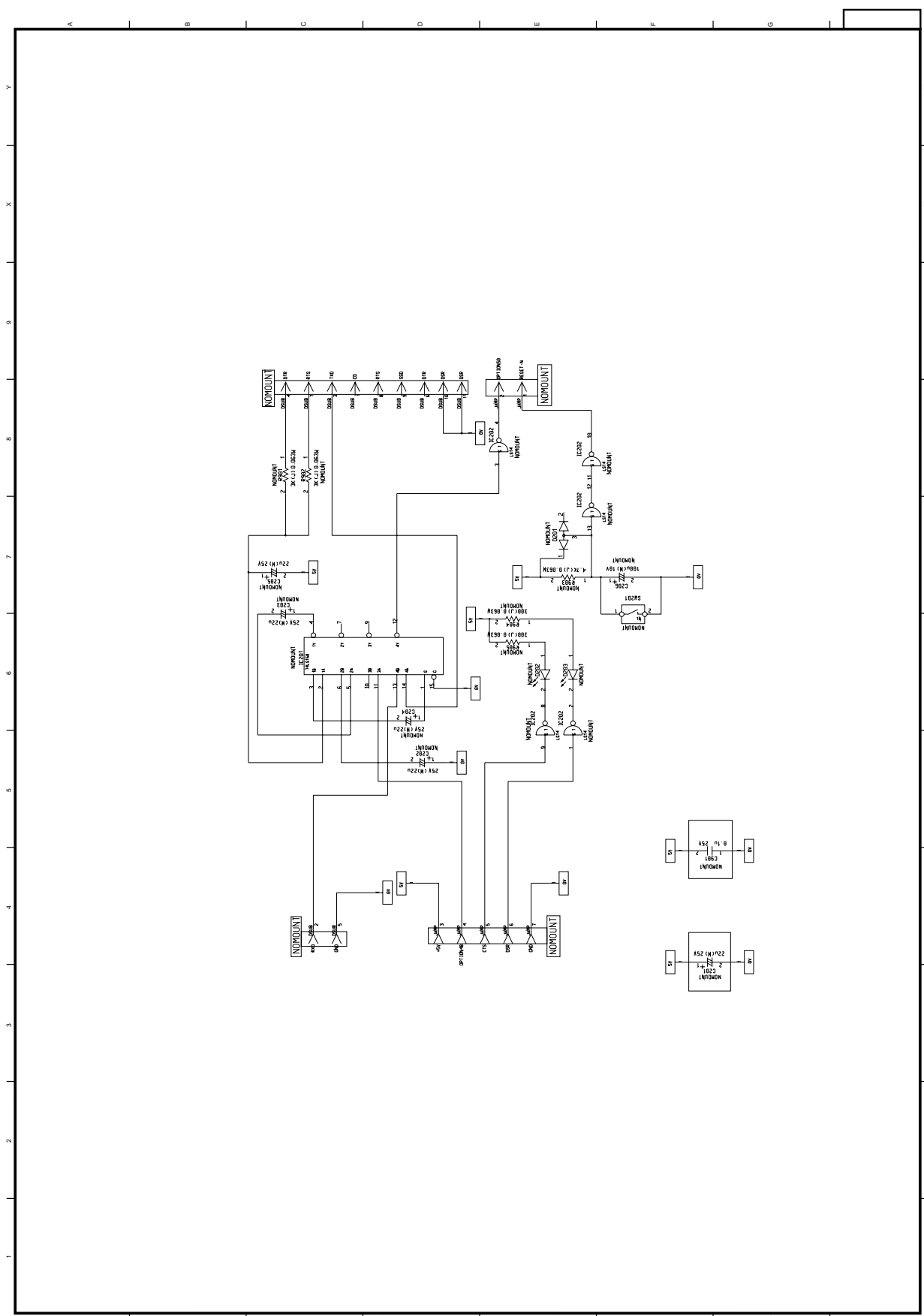


Figure 1-2 Main Control Board (M7E OP14i/OP14ex) (13/13)

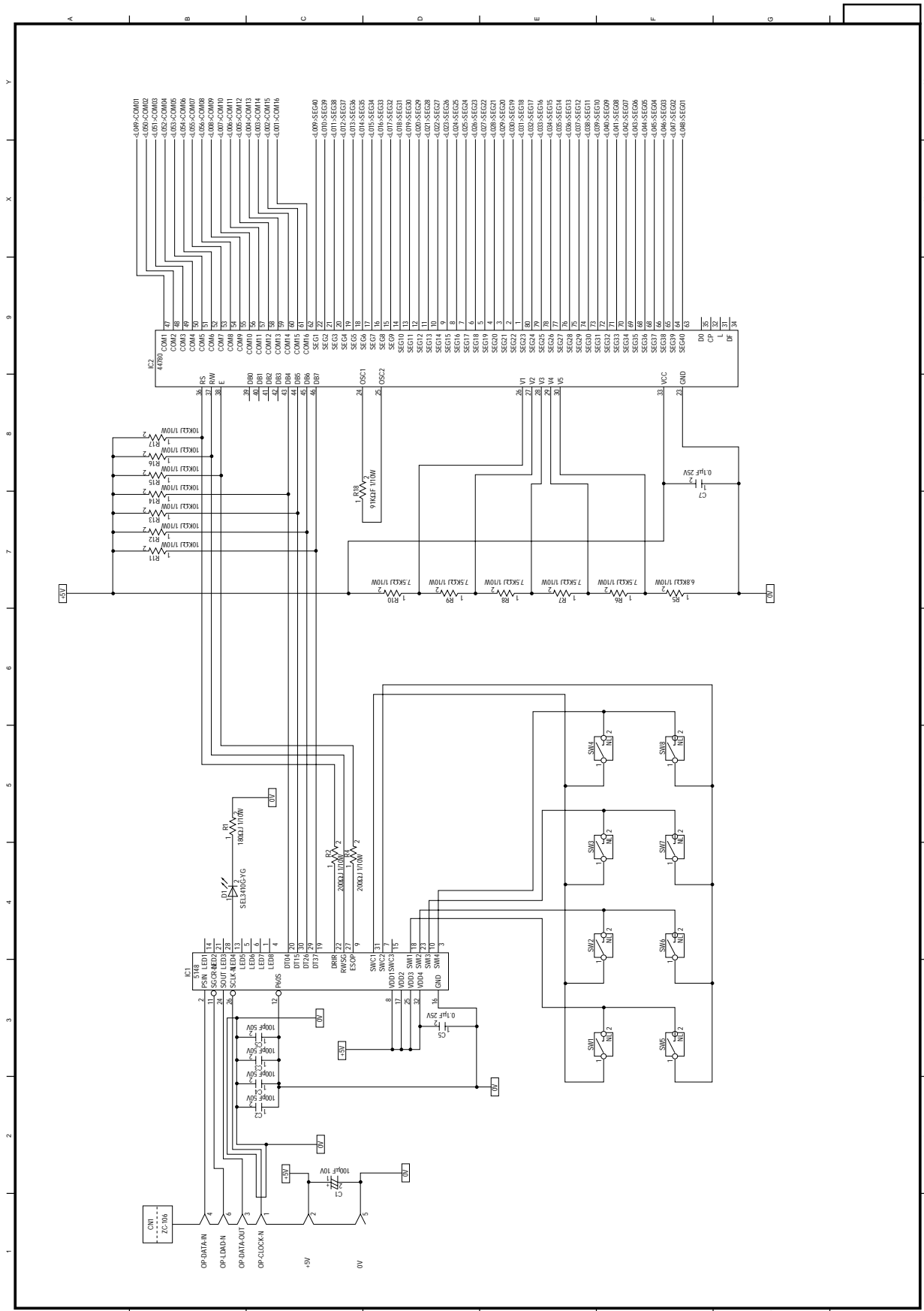


Figure 1-3 Operator Panel Board (OLCC-3-PCB, Rev.1) (1/1)

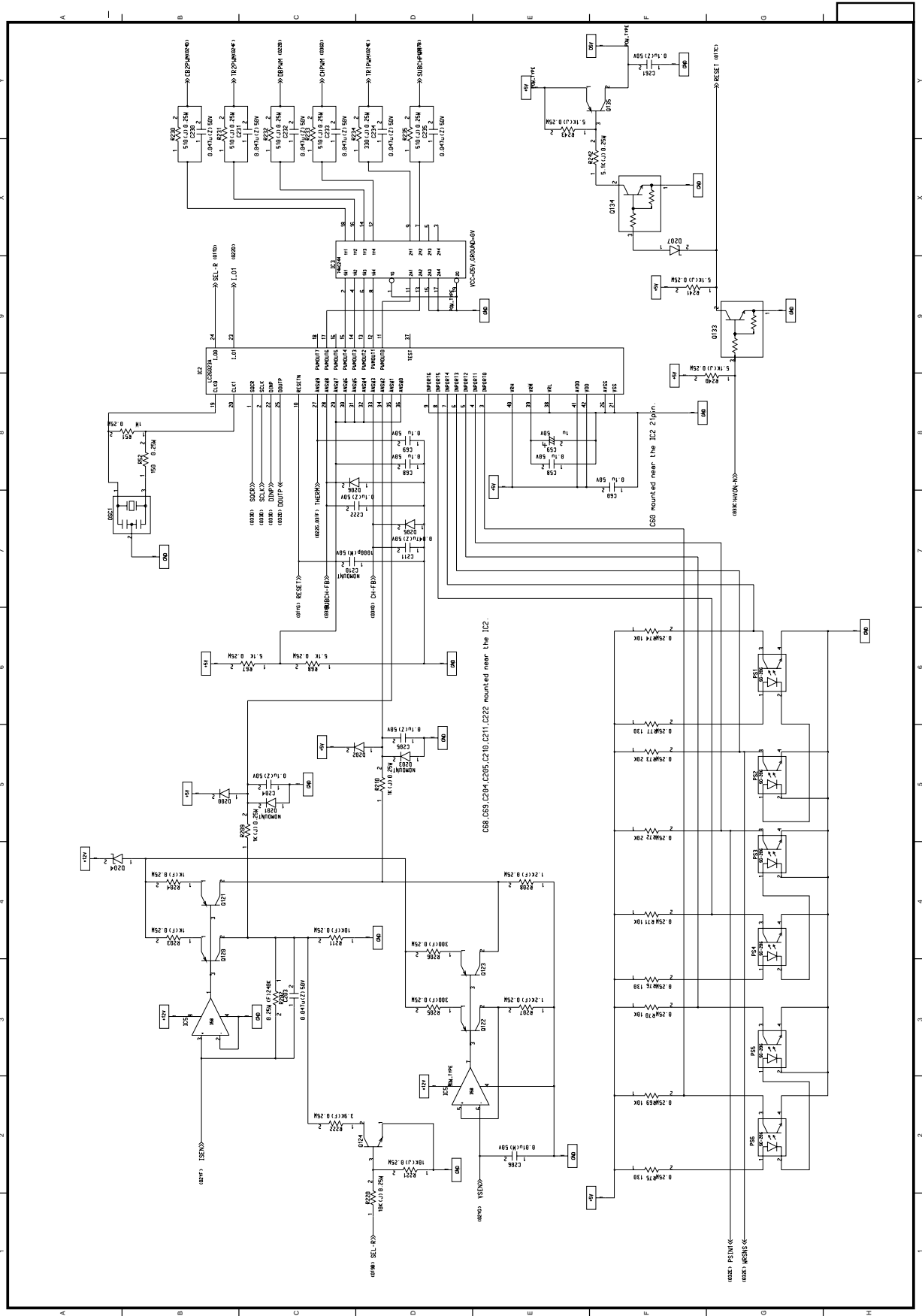


Figure 1-4 Power Supply Board (HV1) (1/4)

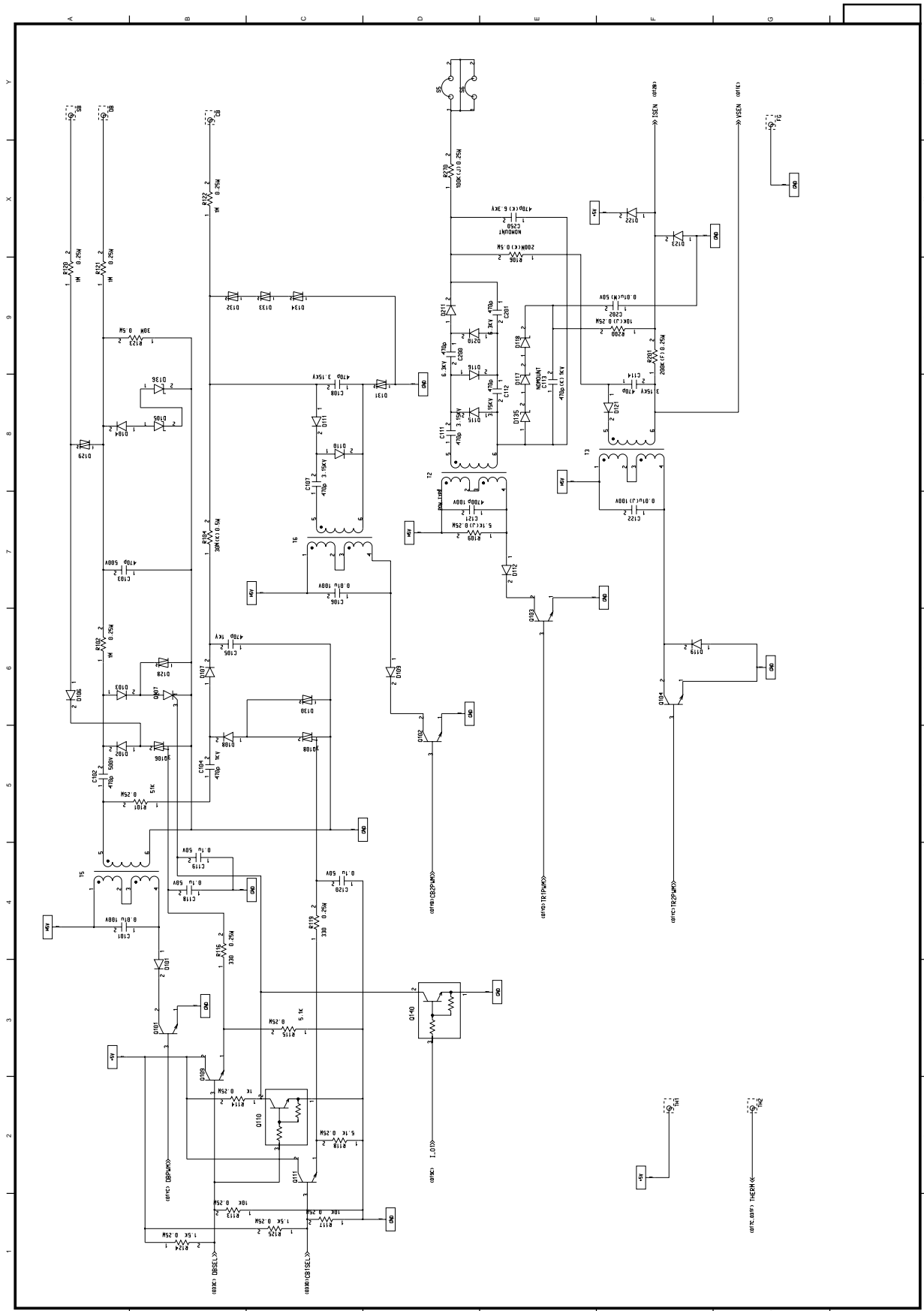


Figure 1-4 Power Supply Board (HV1) (2/4)

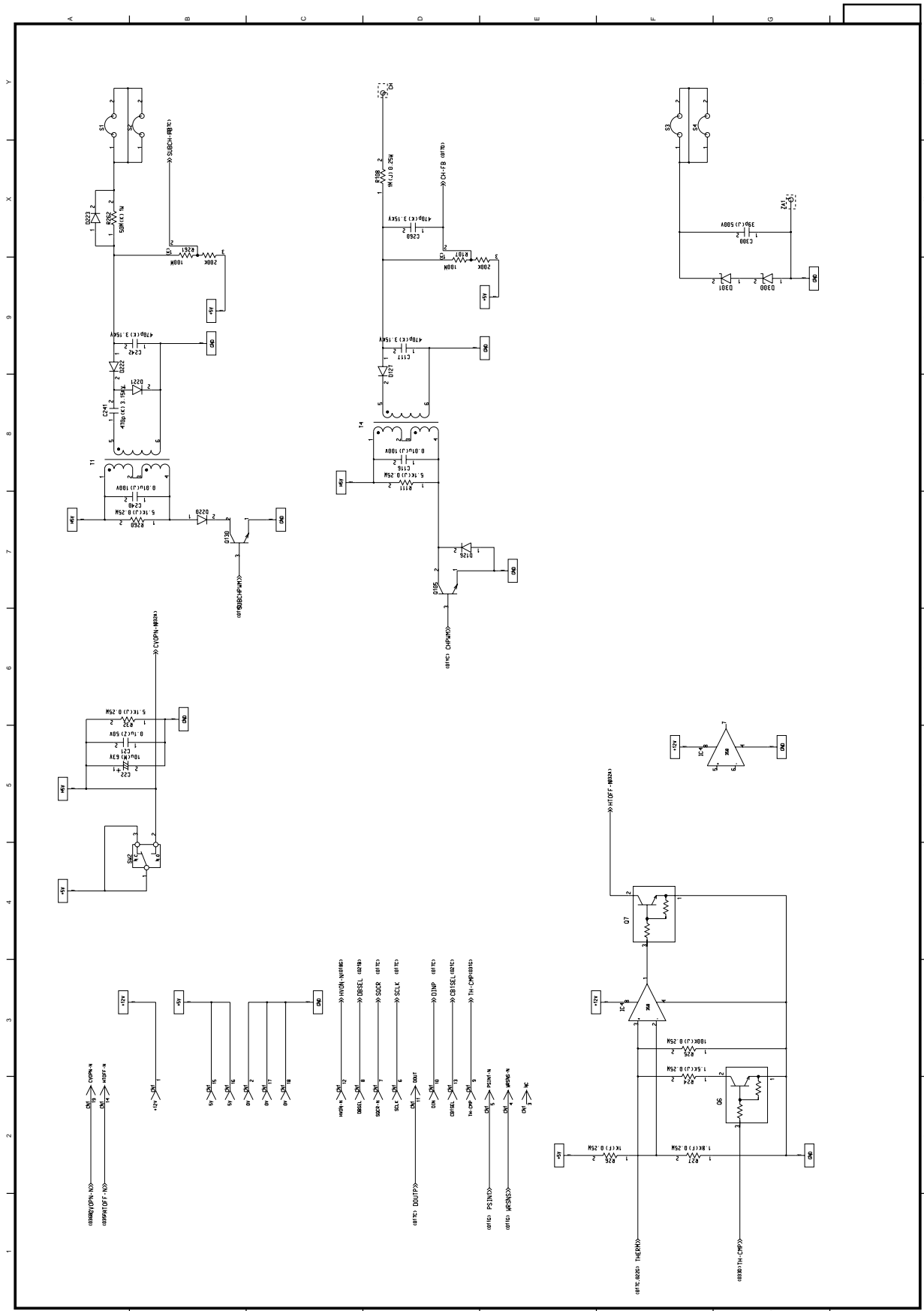


Figure 1-4 Power Supply Board (HV1) (3/4)

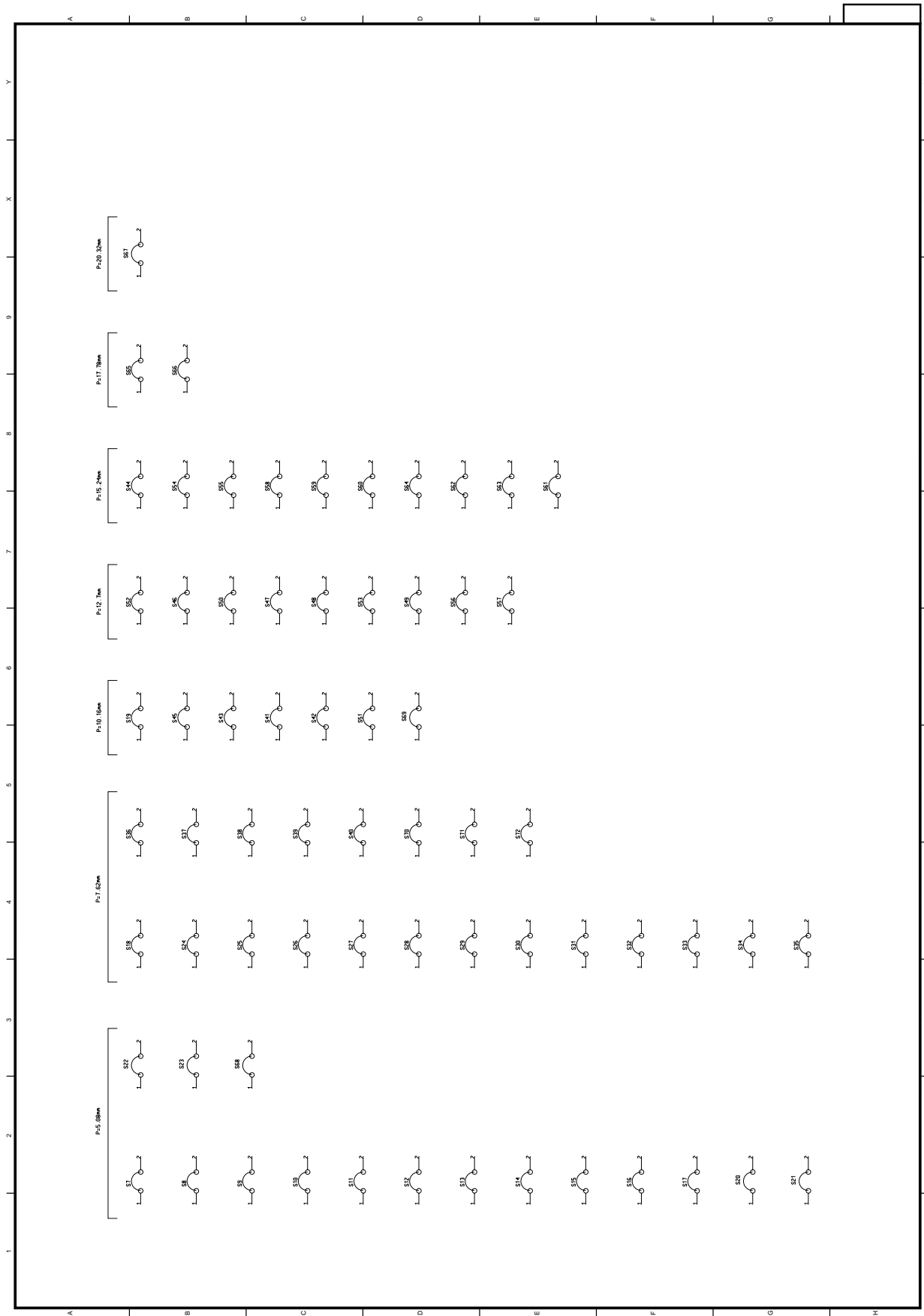


Figure 1-4 Power Supply Board (HV1) (4/4)

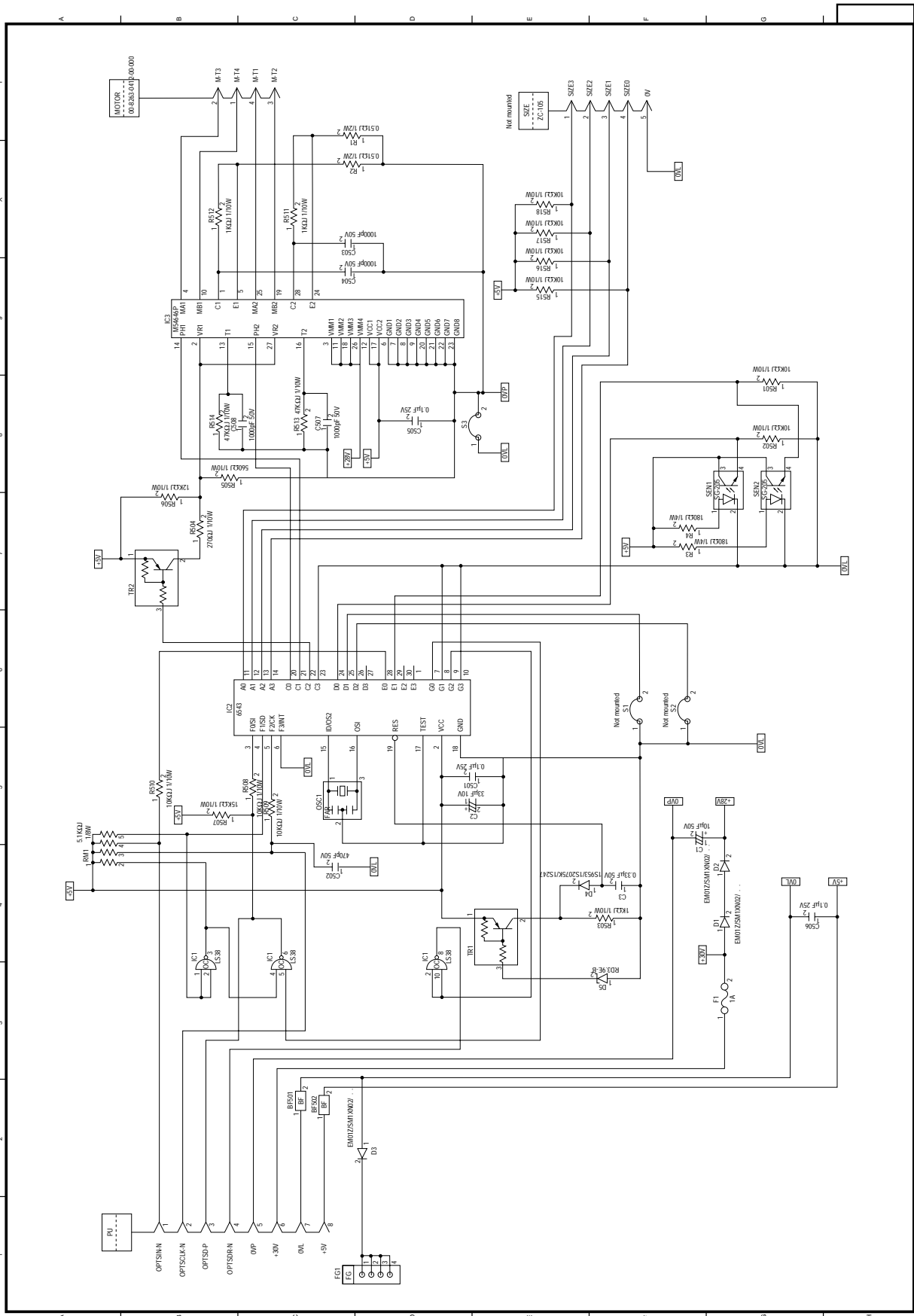


Figure 1-5 High Capacity Second Paper Feeder Board (TQSB-2-PCB, Rev.1) (1/1)

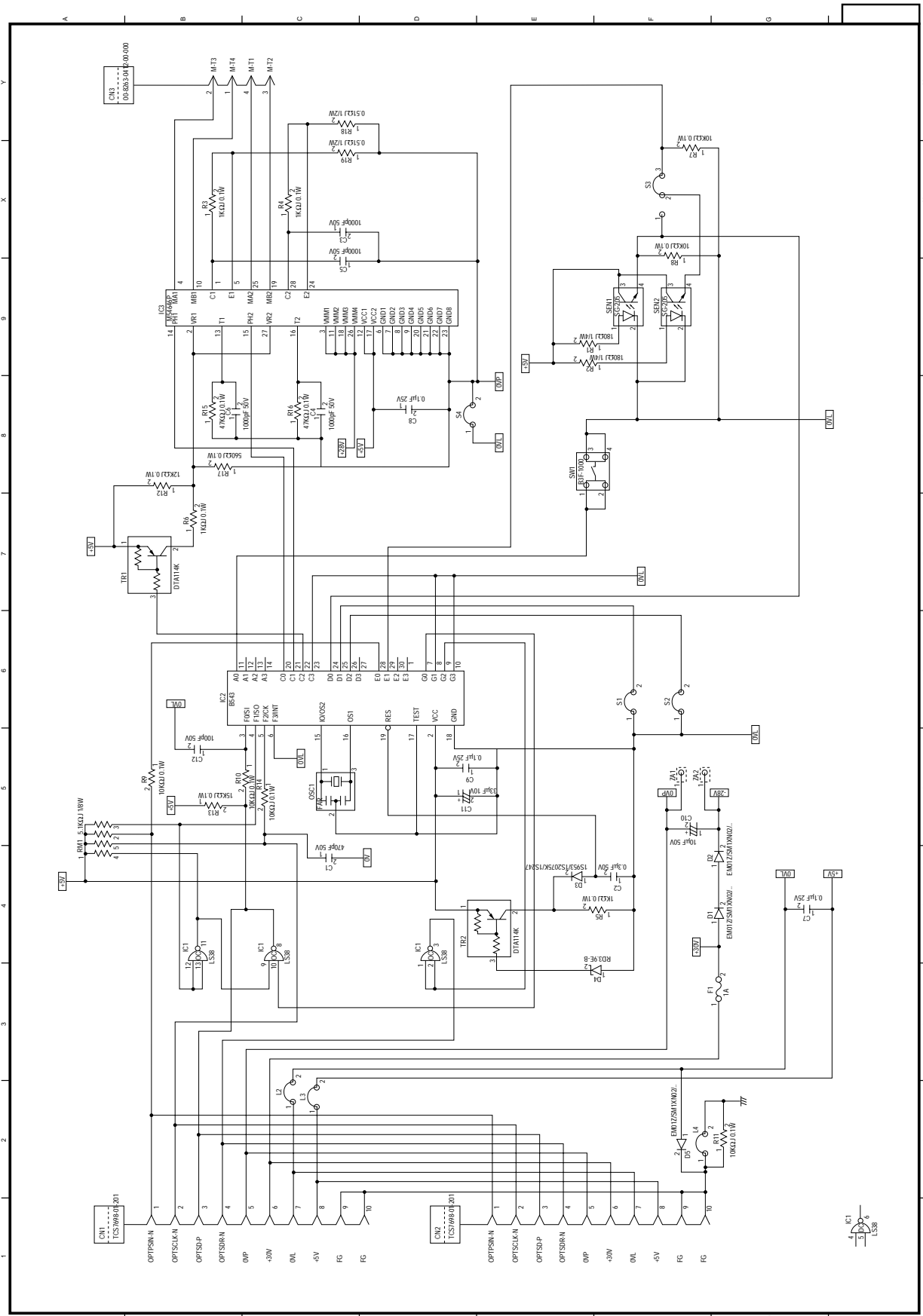


Figure 1-6 Multi Purpose Feeder Board (OLEV-PCB, Rev.4) (1/2)

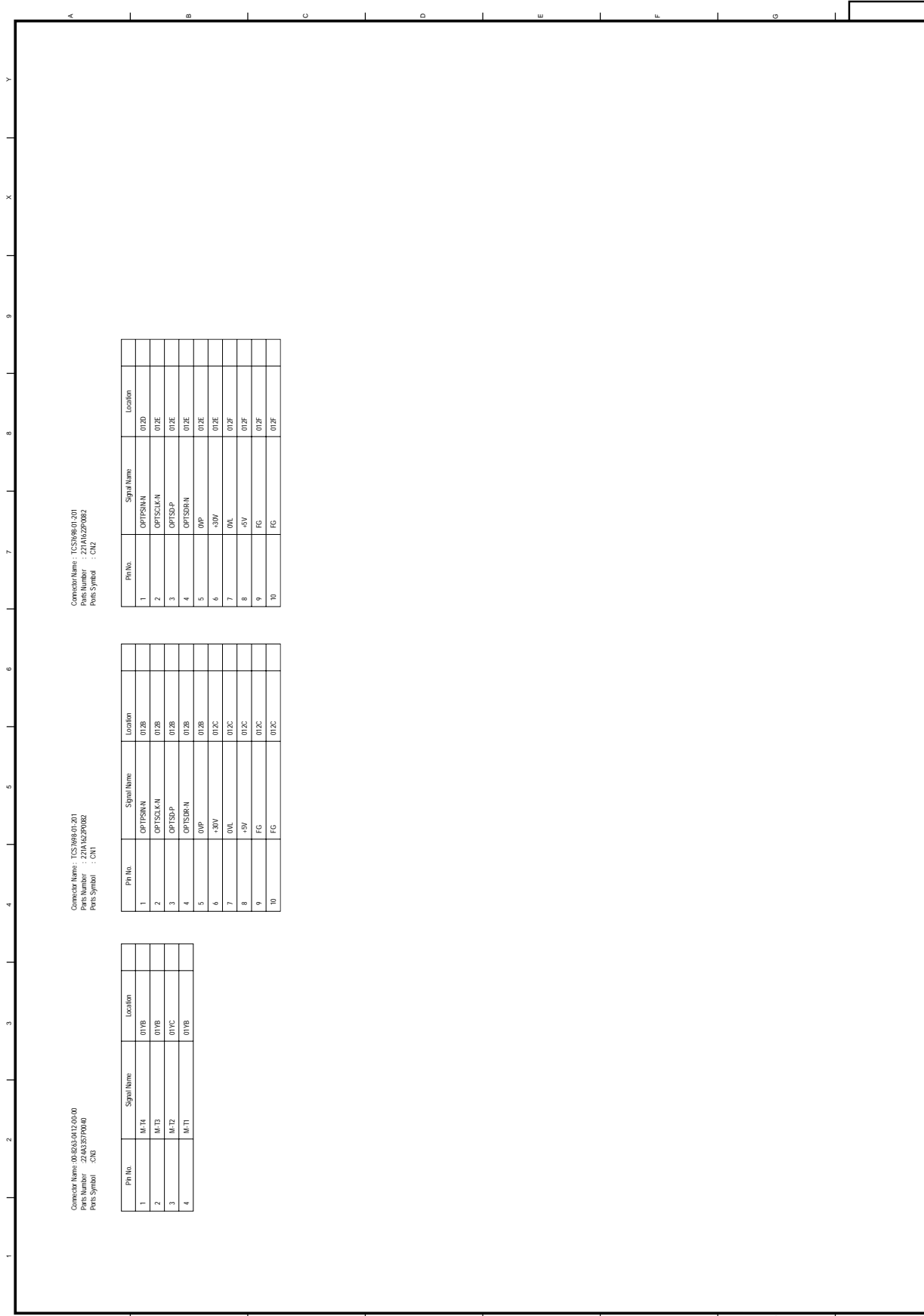


Figure 1-6 Multi Purpose Feeder Board (OLEV-PCB, Rev.4) (2/2)

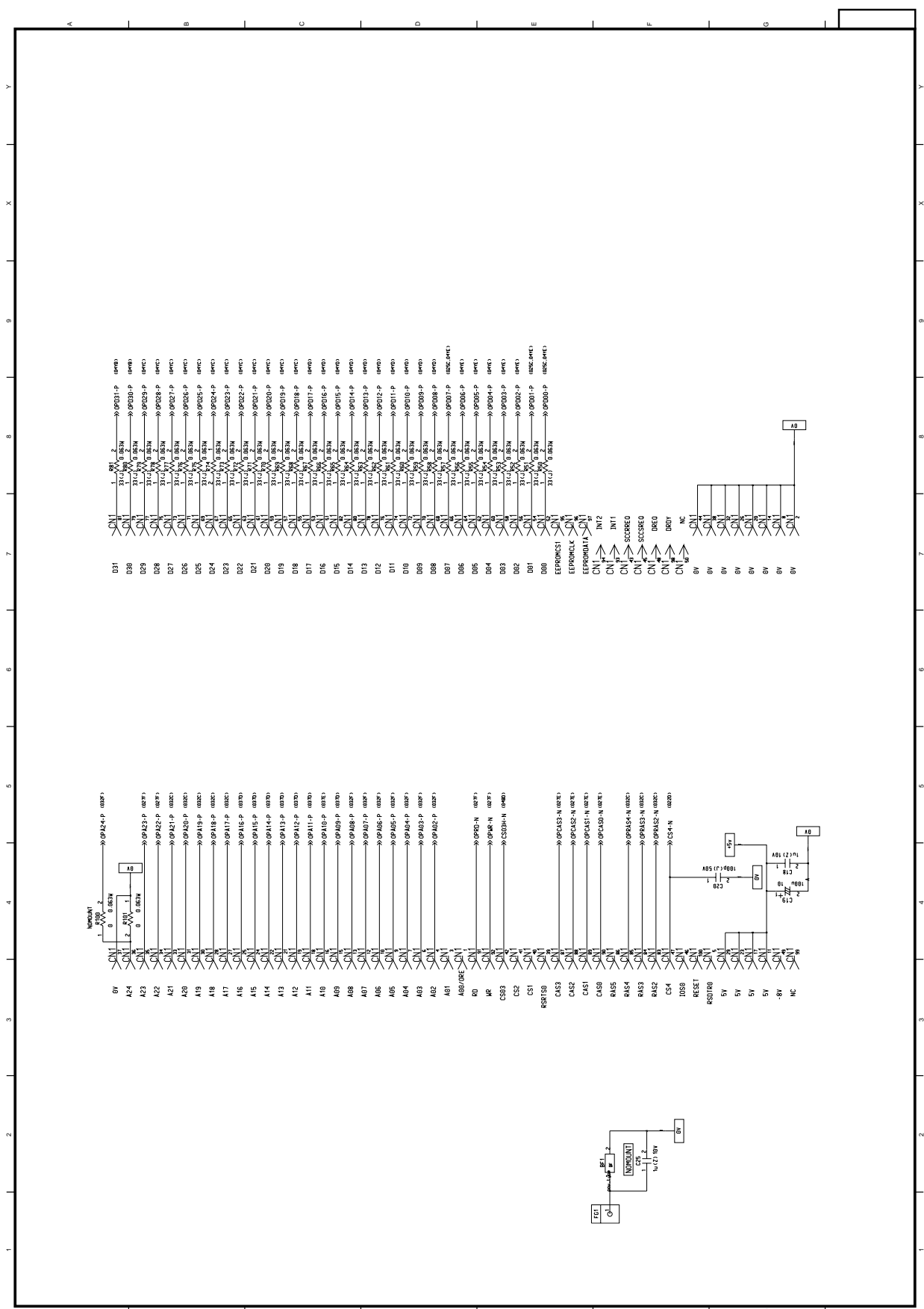
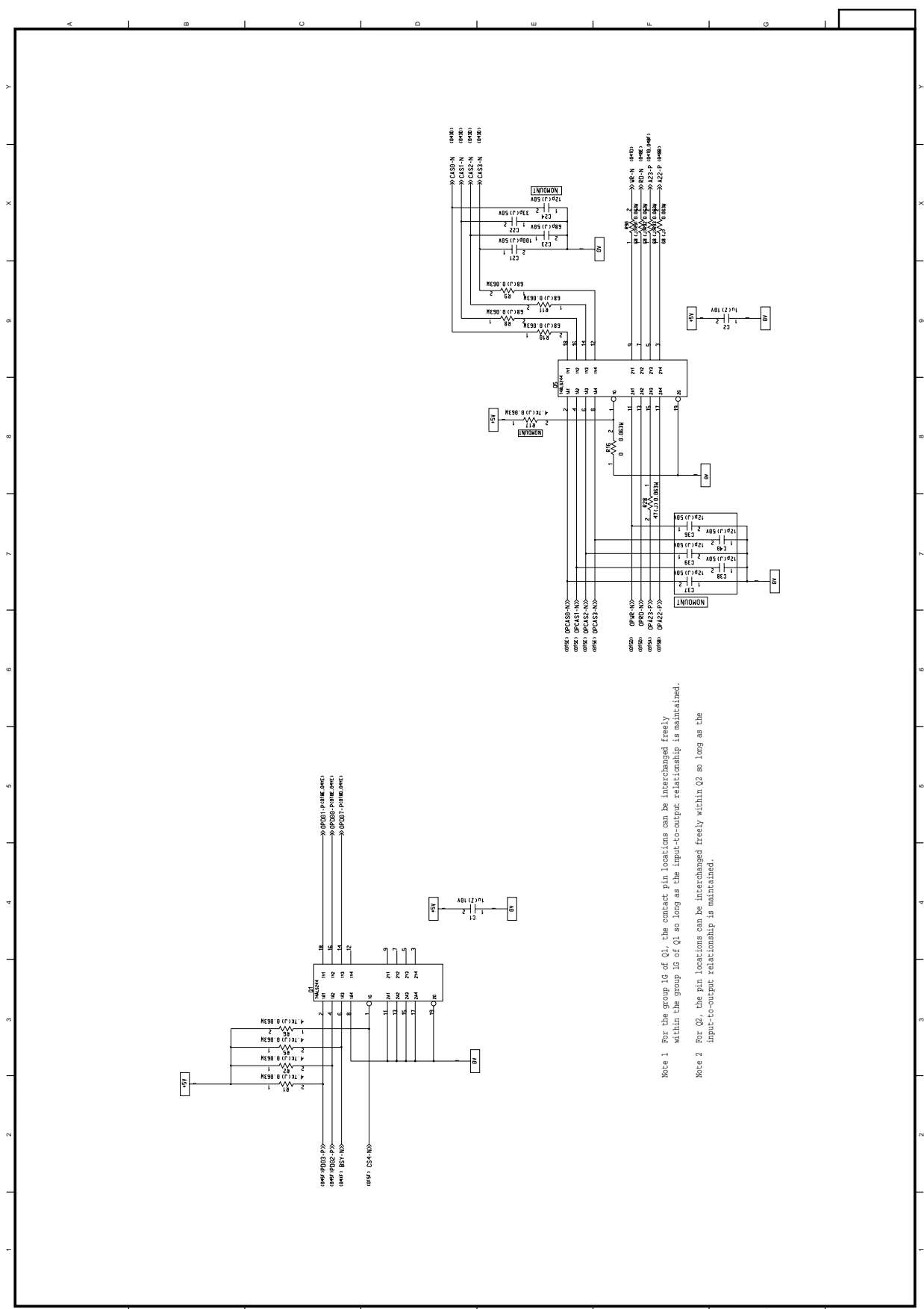


Figure 1-7 Memory Expansion Board (MM7-PCB) (1/4)



Note 1 For the group 1G of Q1, the contact pin locations can be interchanged freely within the group 1G of Q1 so long as the input-to-output relationship is maintained.

Note 2 For Q2, the pin locations can be interchanged freely within Q2 so long as the input-to-output relationship is maintained.

Figure 1-7 Memory Expansion Bord (MM7-PCB) (2/4)

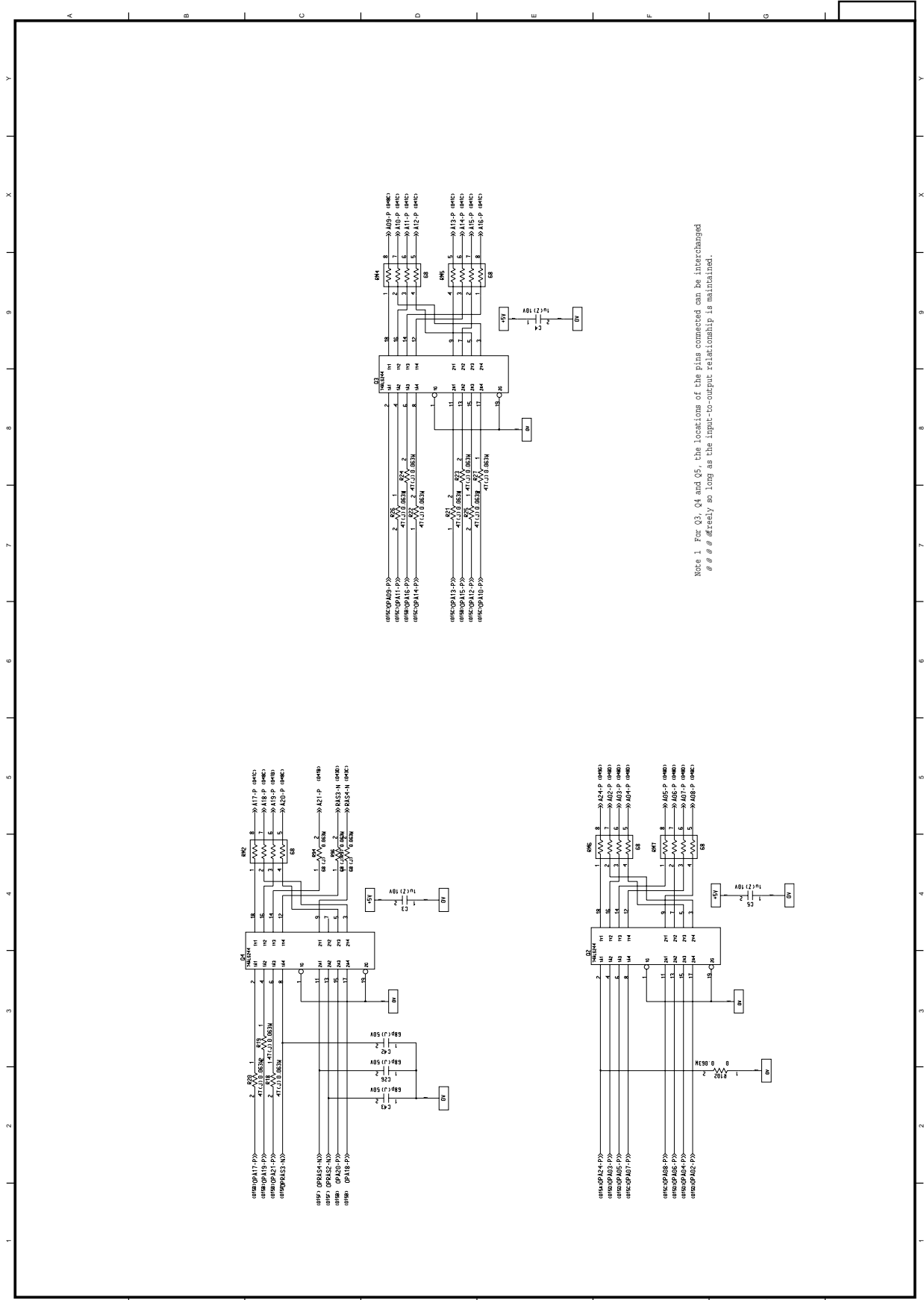
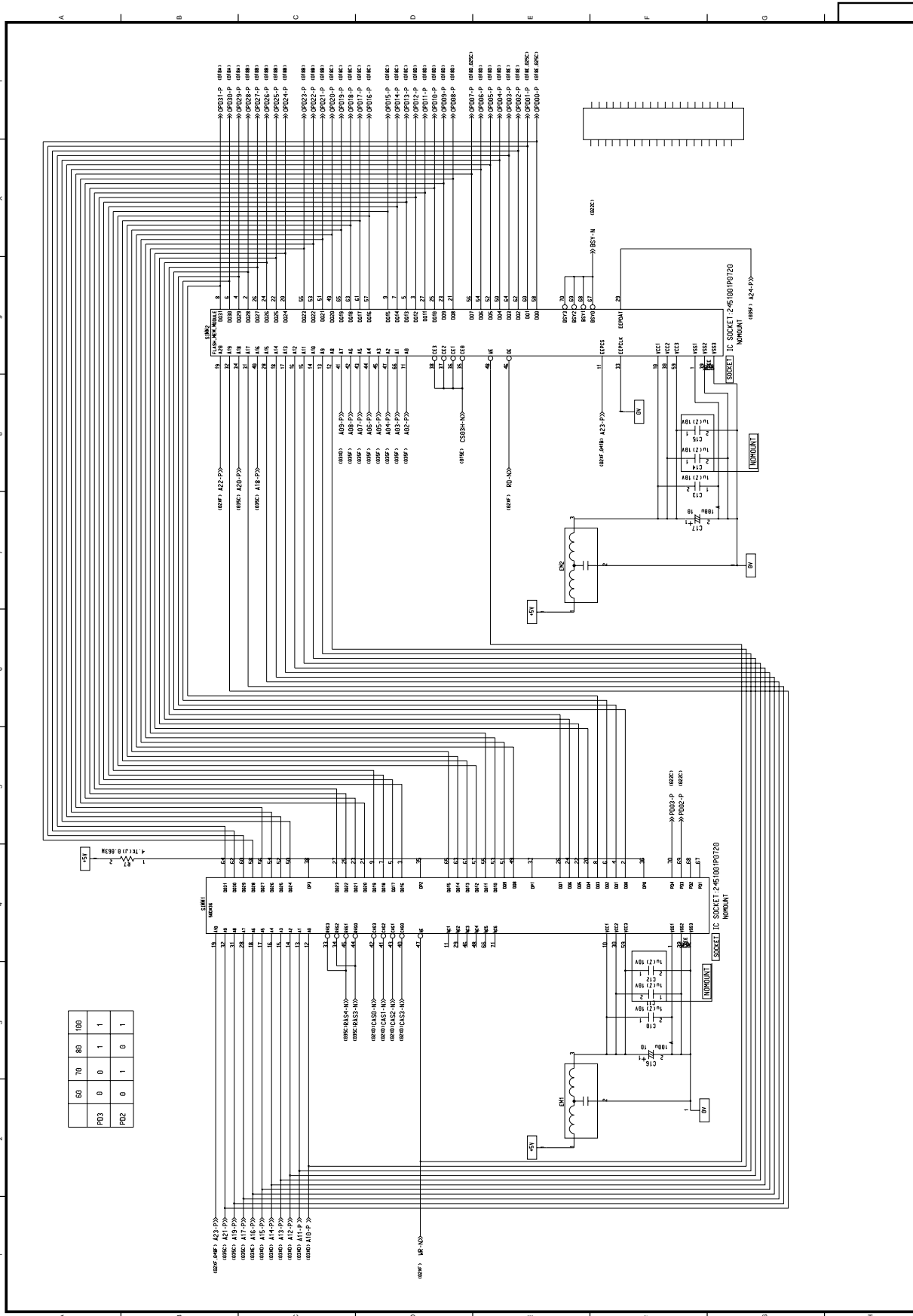


Figure 1-7 Memory Expansion Bord (MM7-PCB) (3/4)



60	70	80	100
PD3	0	0	1
PD2	0	1	0

Figure 1-7 Memory Expansion Bord (MM7-PCB) (4/4)

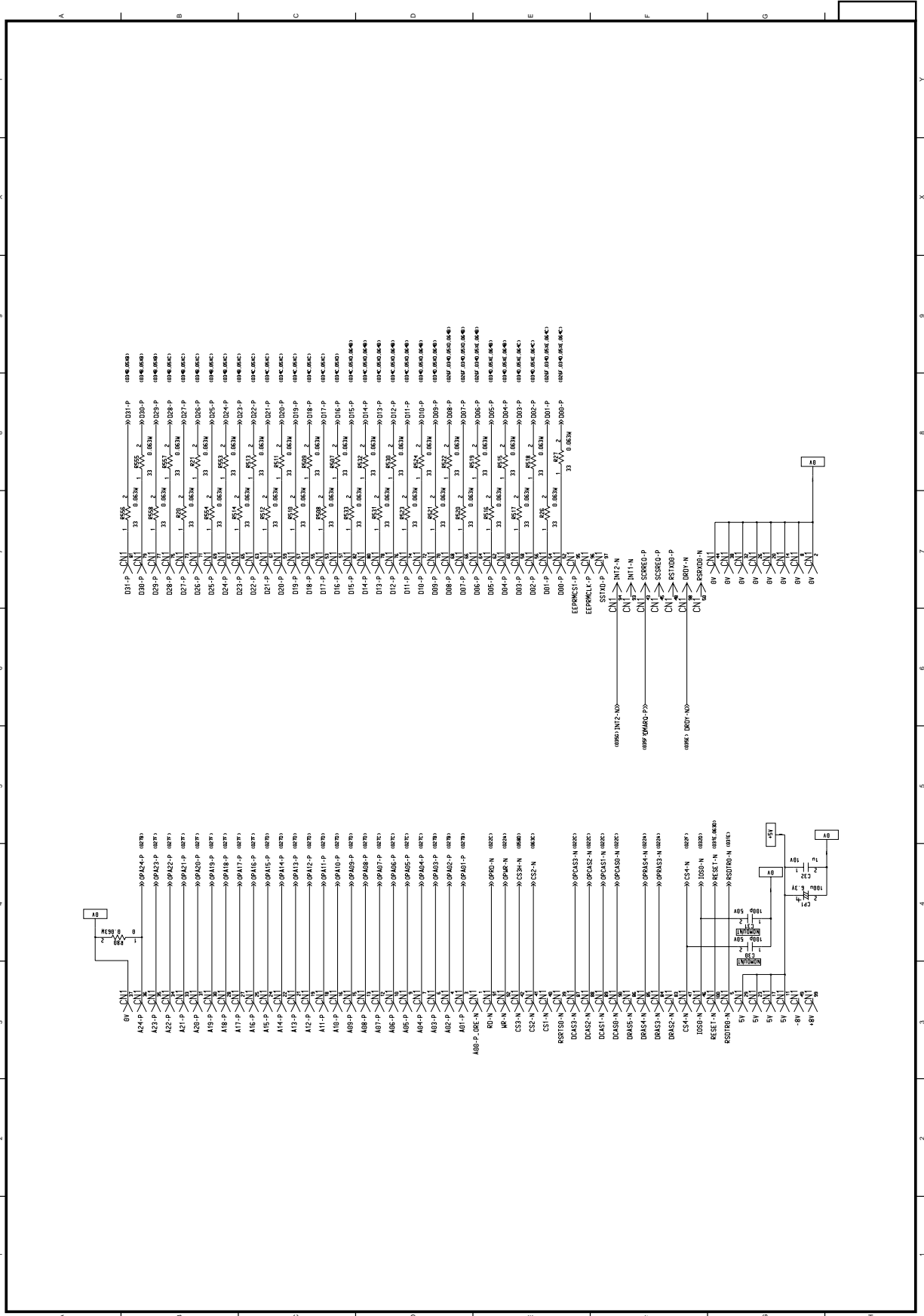


Figure 1-8 Network interface Board (MN8) (1/6)

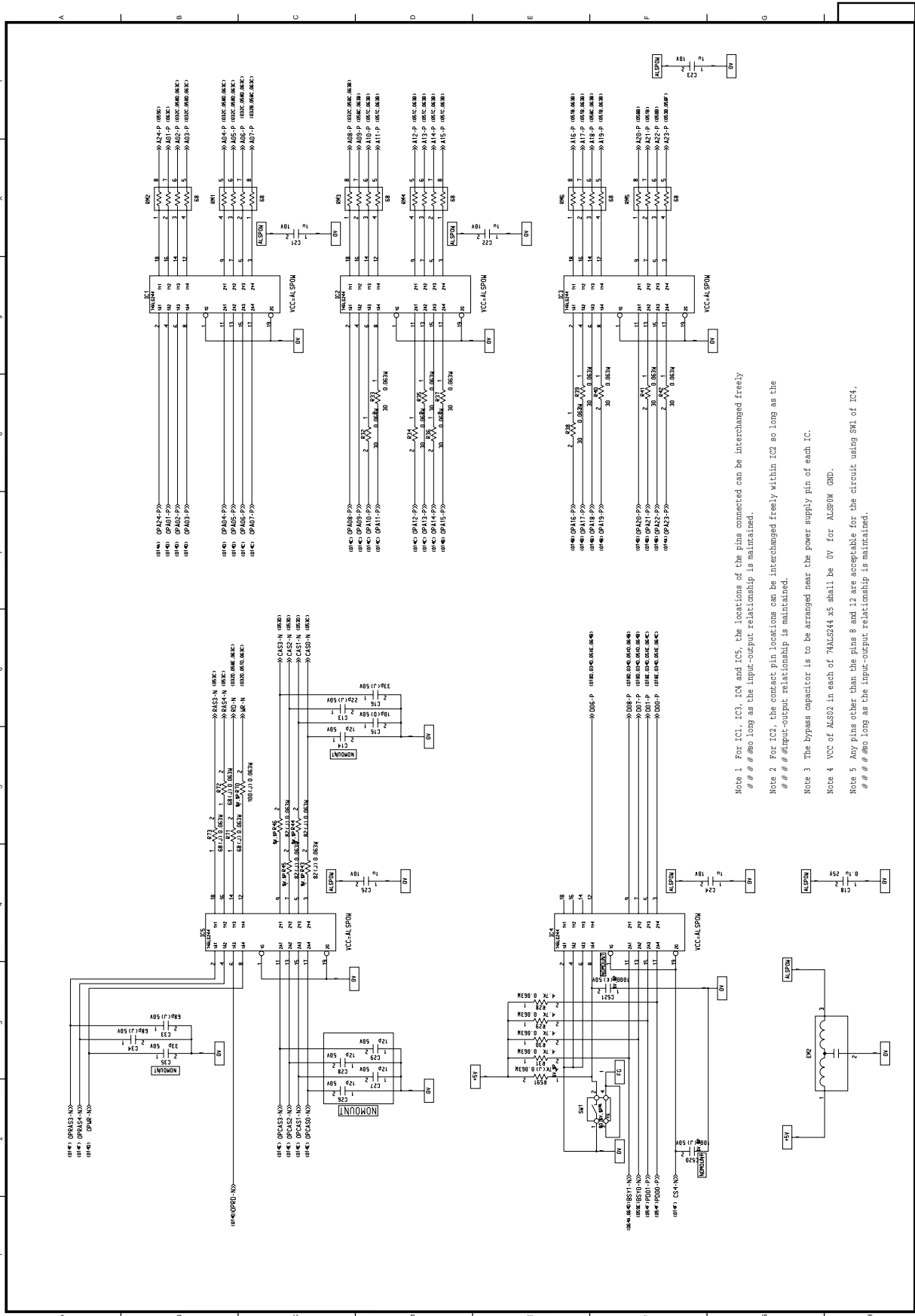


Figure 1-8 Network interface Board (MN8) (2/6)

Note 1 For IC1, IC3, IC4 and IC5, the locations of the pins connected can be interchanged freely
 @ @ @ @ @ as long as the input-output relationship is maintained.

Note 2 For IC2, the contact pin locations can be interchanged freely within IC2 so long as the
 @ @ @ @ @ input-output relationship is maintained.

Note 3 The bypass capacitor is to be arranged near the power supply pin of each IC.

Note 4 VCC of ALS02 in each of 74ALS24 x5 shall be 0V for ALS00M GND.

Note 5 Any pins other than the pins 8 and 12 are acceptable for the circuit using GW1 of IC4,
 @ @ @ @ @ as long as the input-output relationship is maintained.

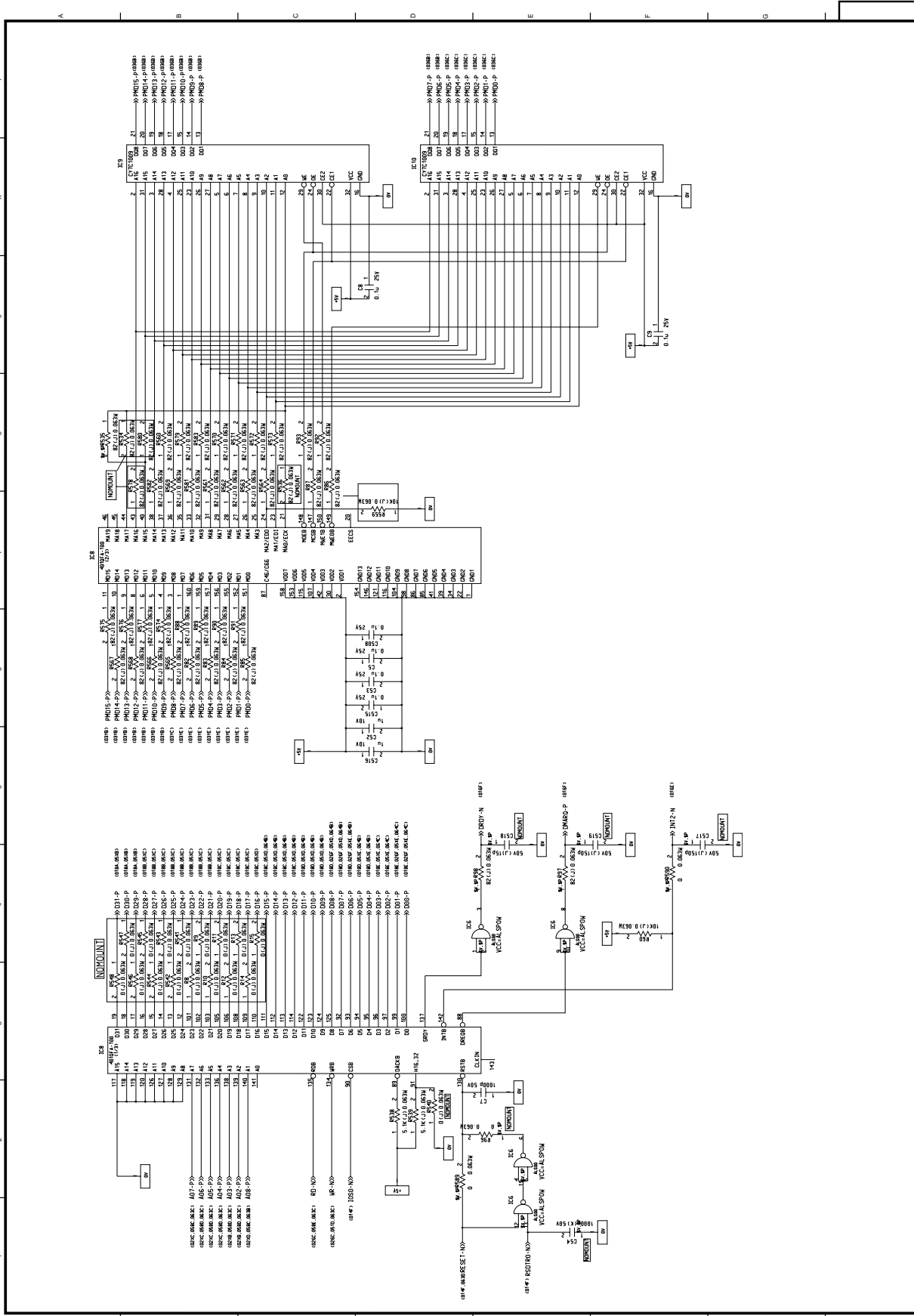


Figure 1-8 Network interface Board (MN8) (3/6)

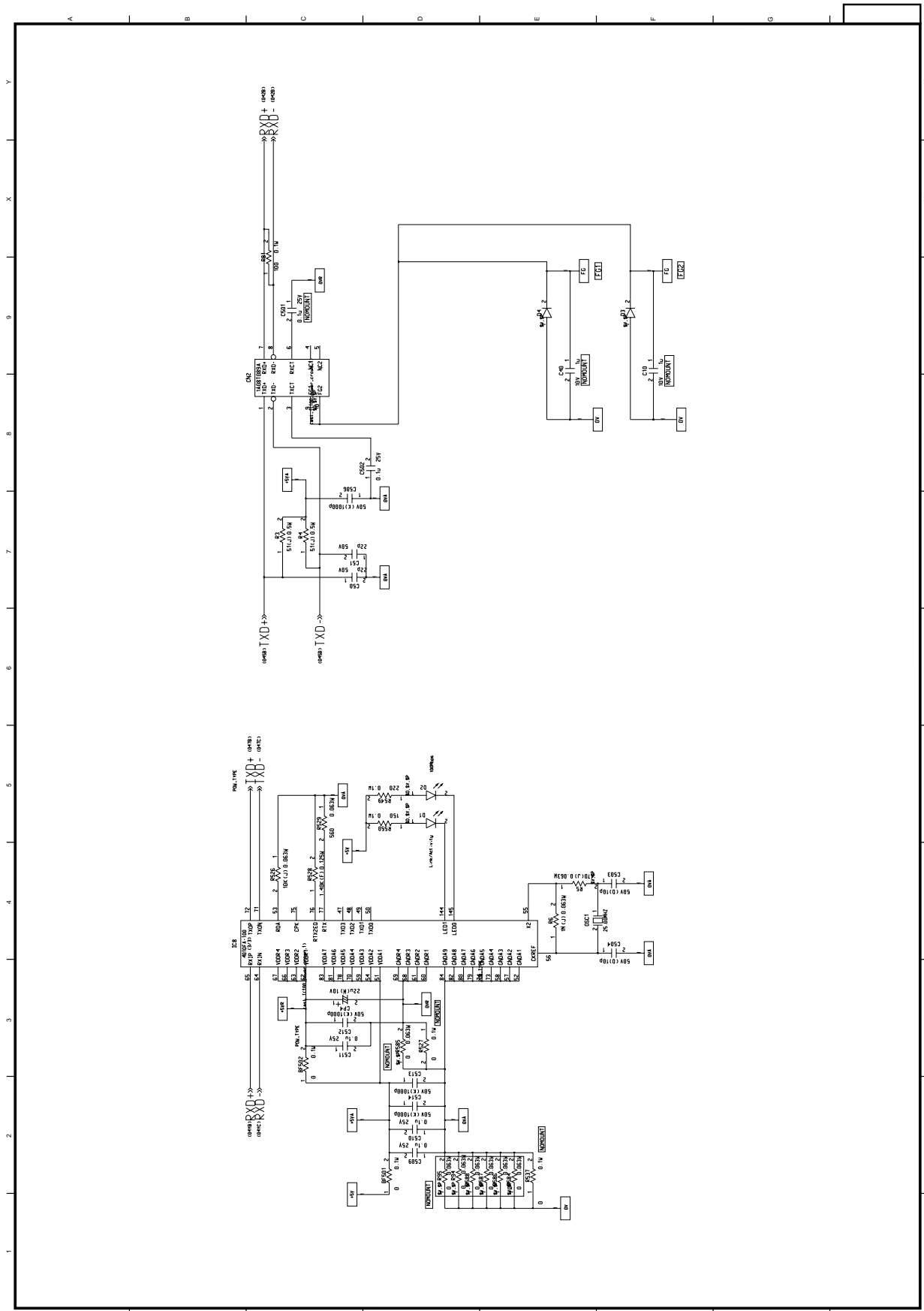


Figure 1-8 Network interface Board (MN8) (4/6)

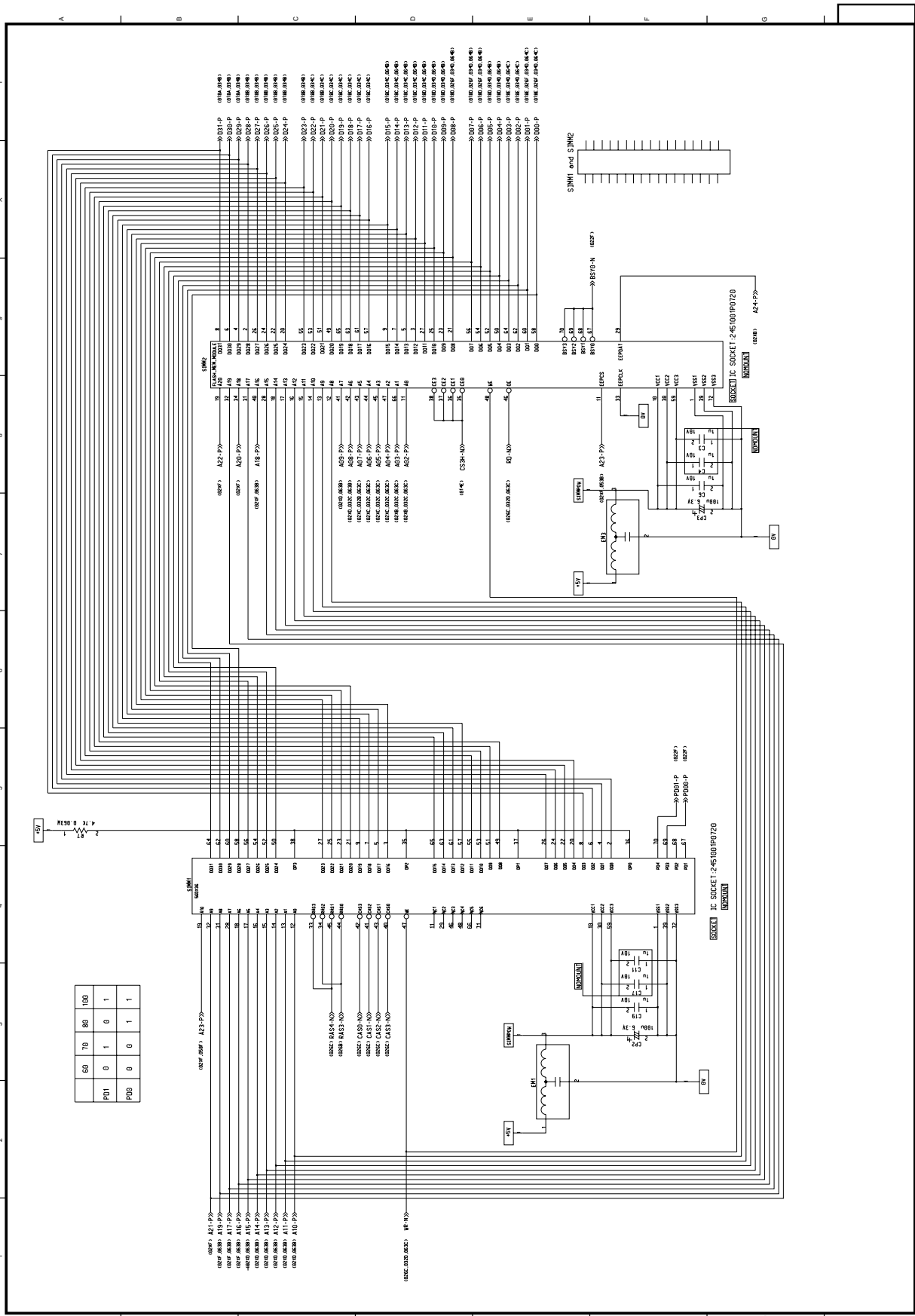


Figure 1-8 Network interface Board (MN8) (5/6)

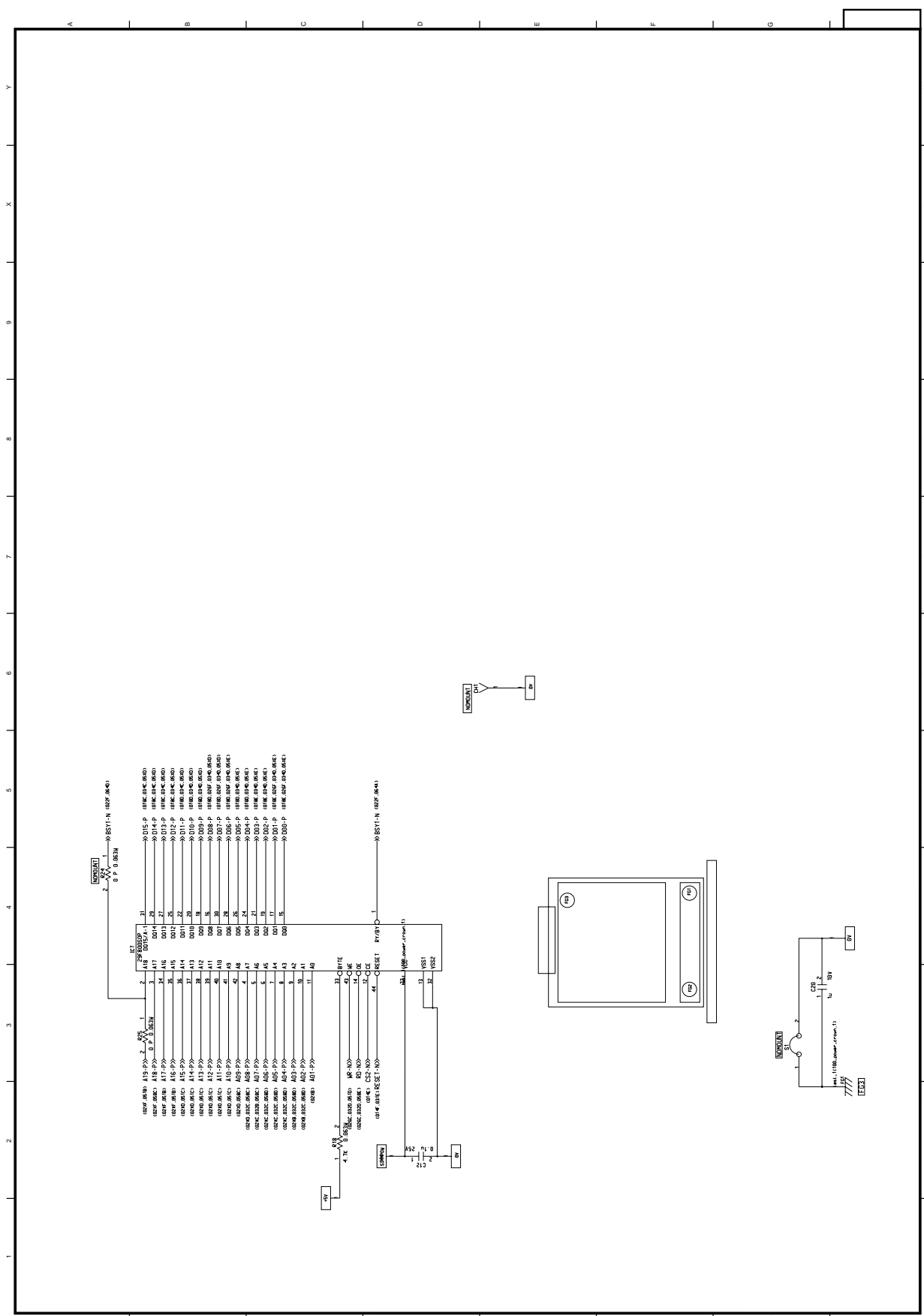


Figure 1-8 Network interface Board (MN8) (6/6)

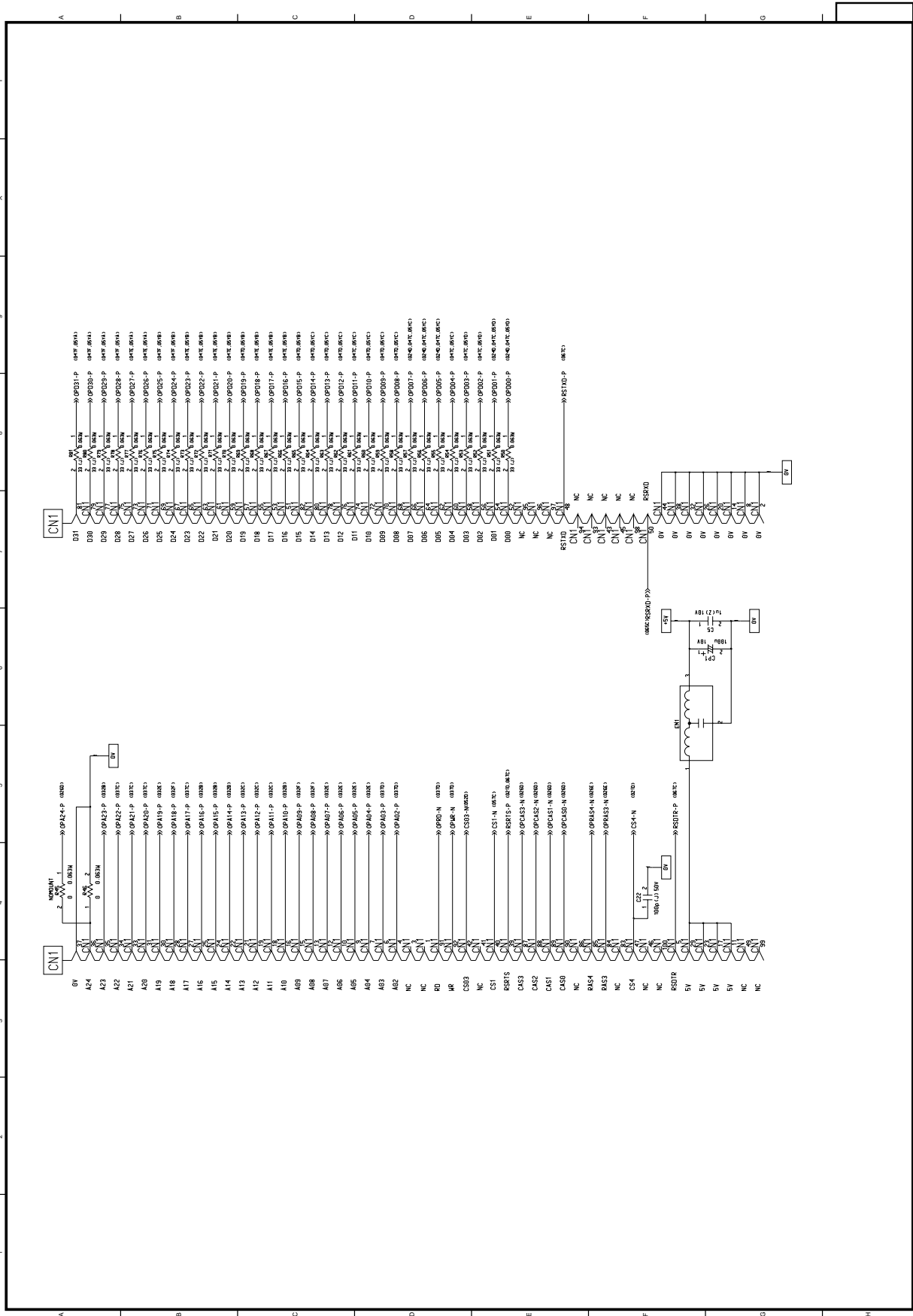


Figure 1-9 RS-232C Interface Board (SIF) (1/6)

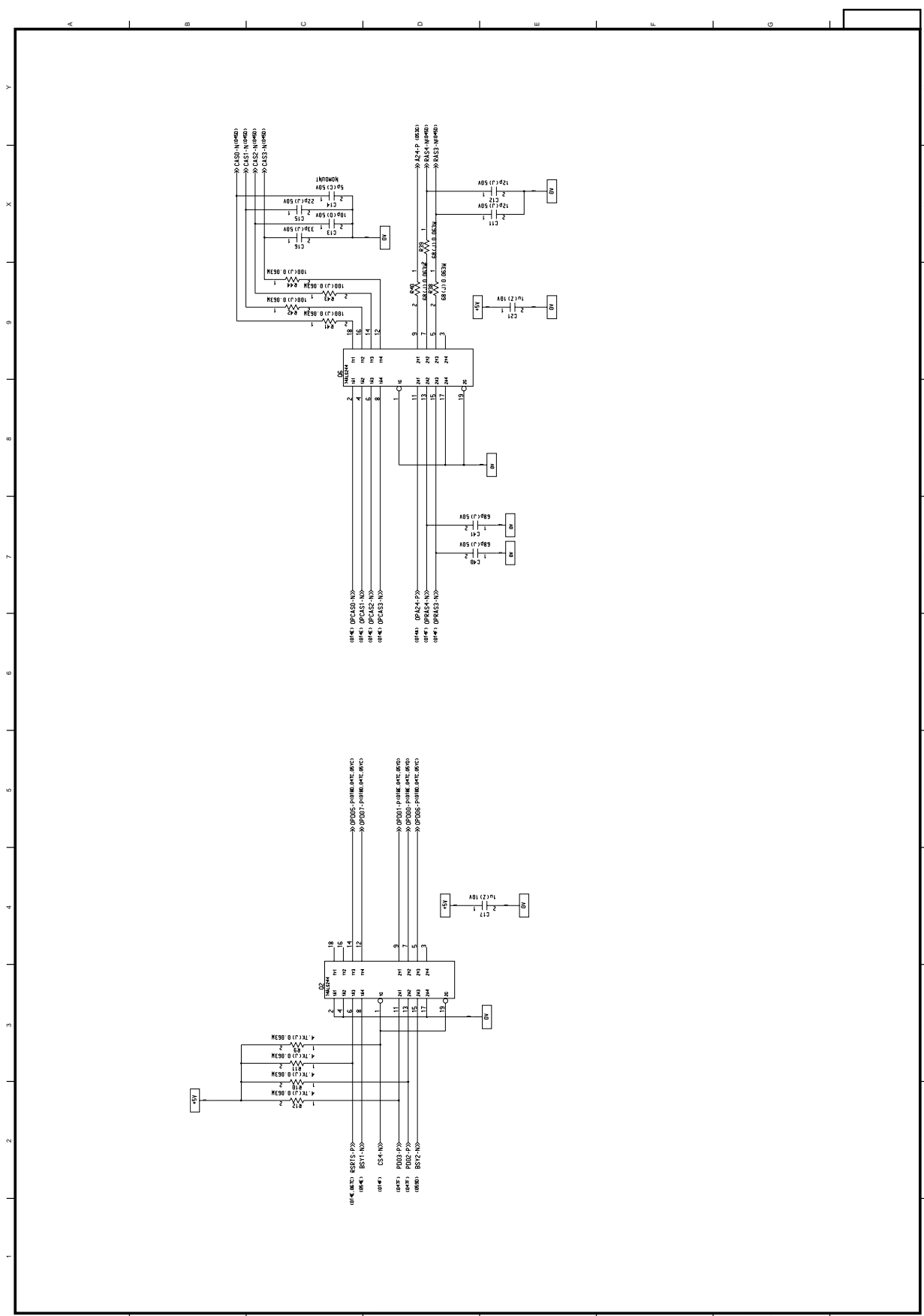


Figure 1-9 RS-232C Interface Board (SIF) (2/6)

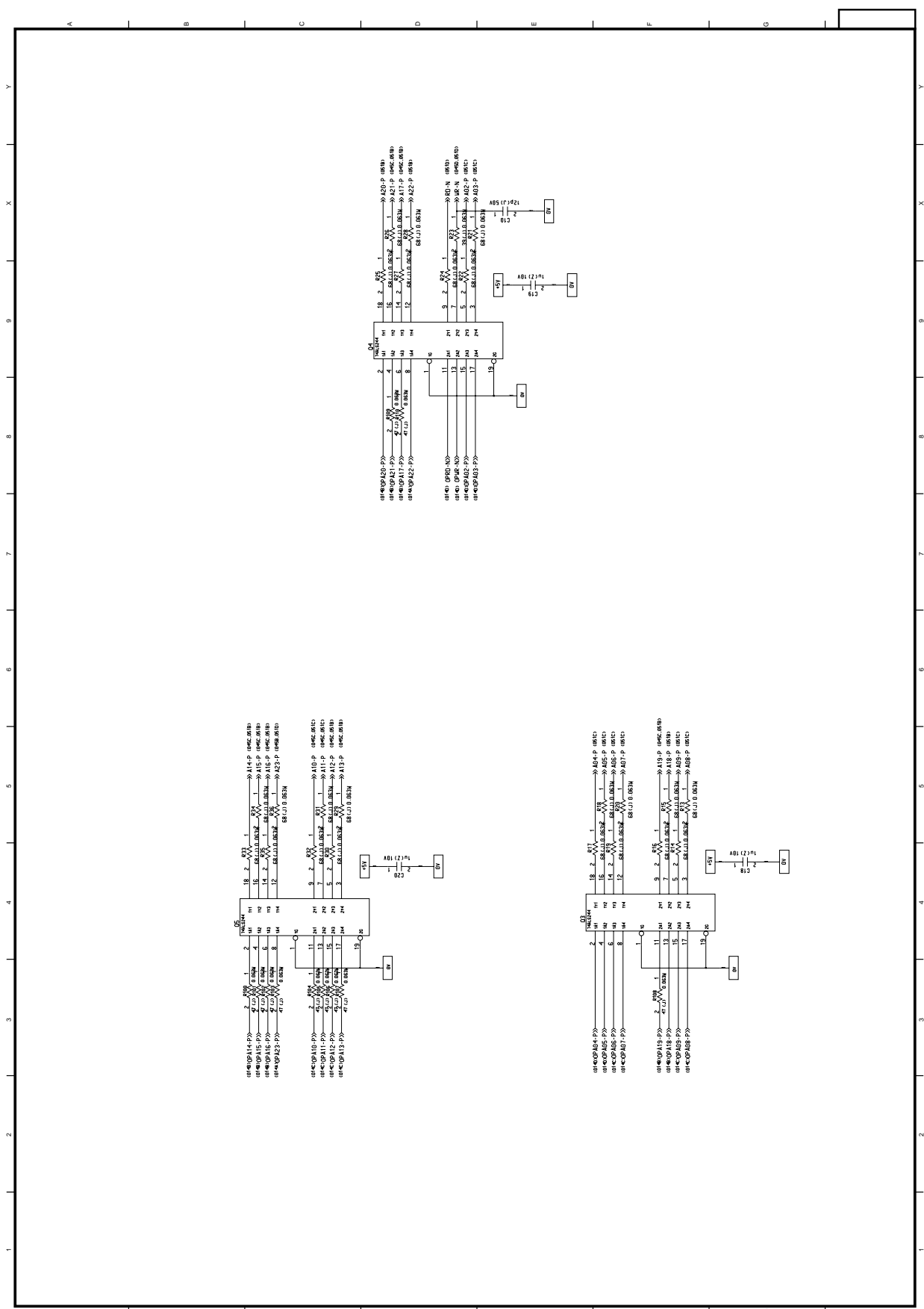


Figure 1-9 RS-232C Interface Board (SIF) (3/6)

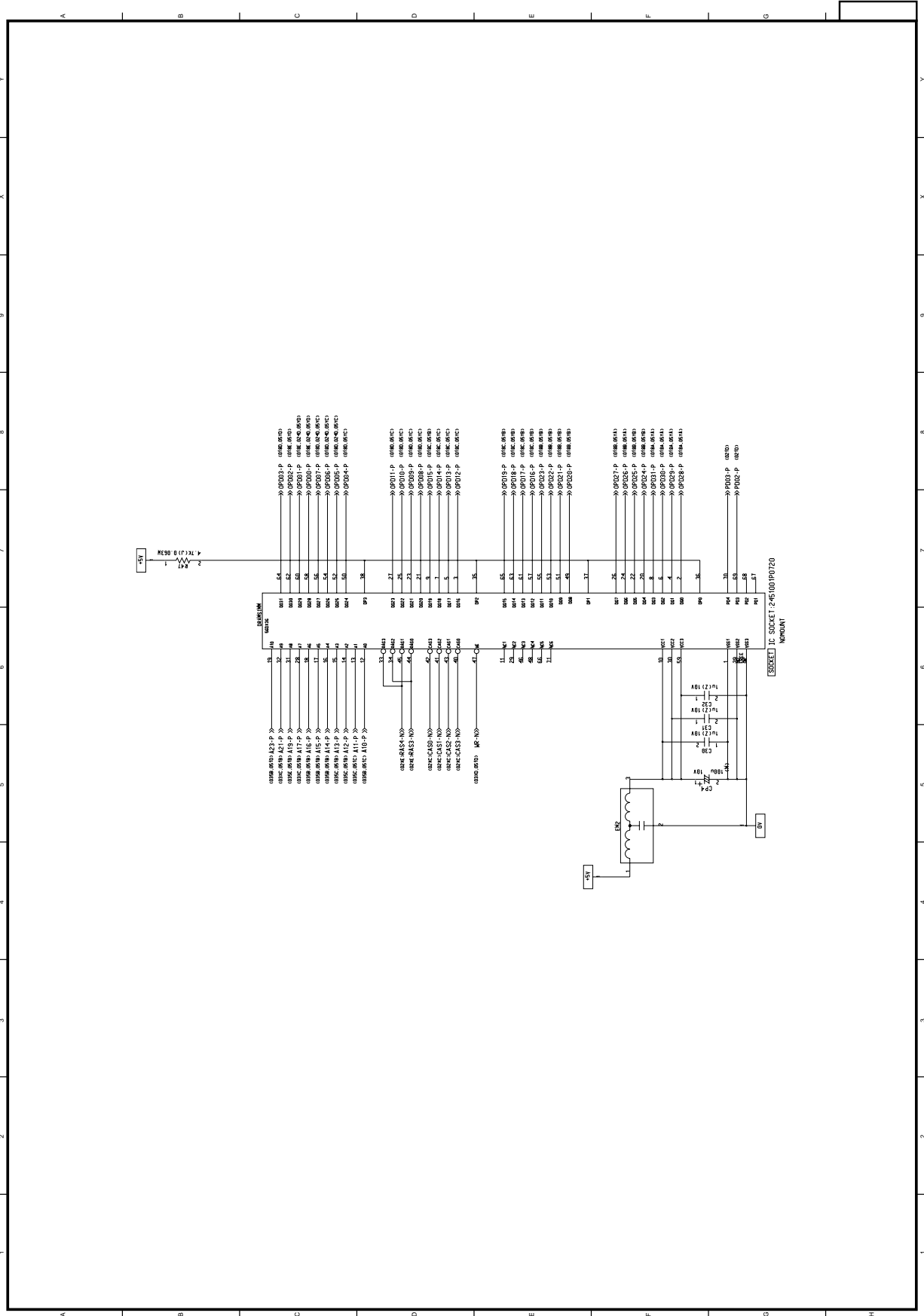


Figure 1-9 RS-232C Interface Board (SIF) (4/6)

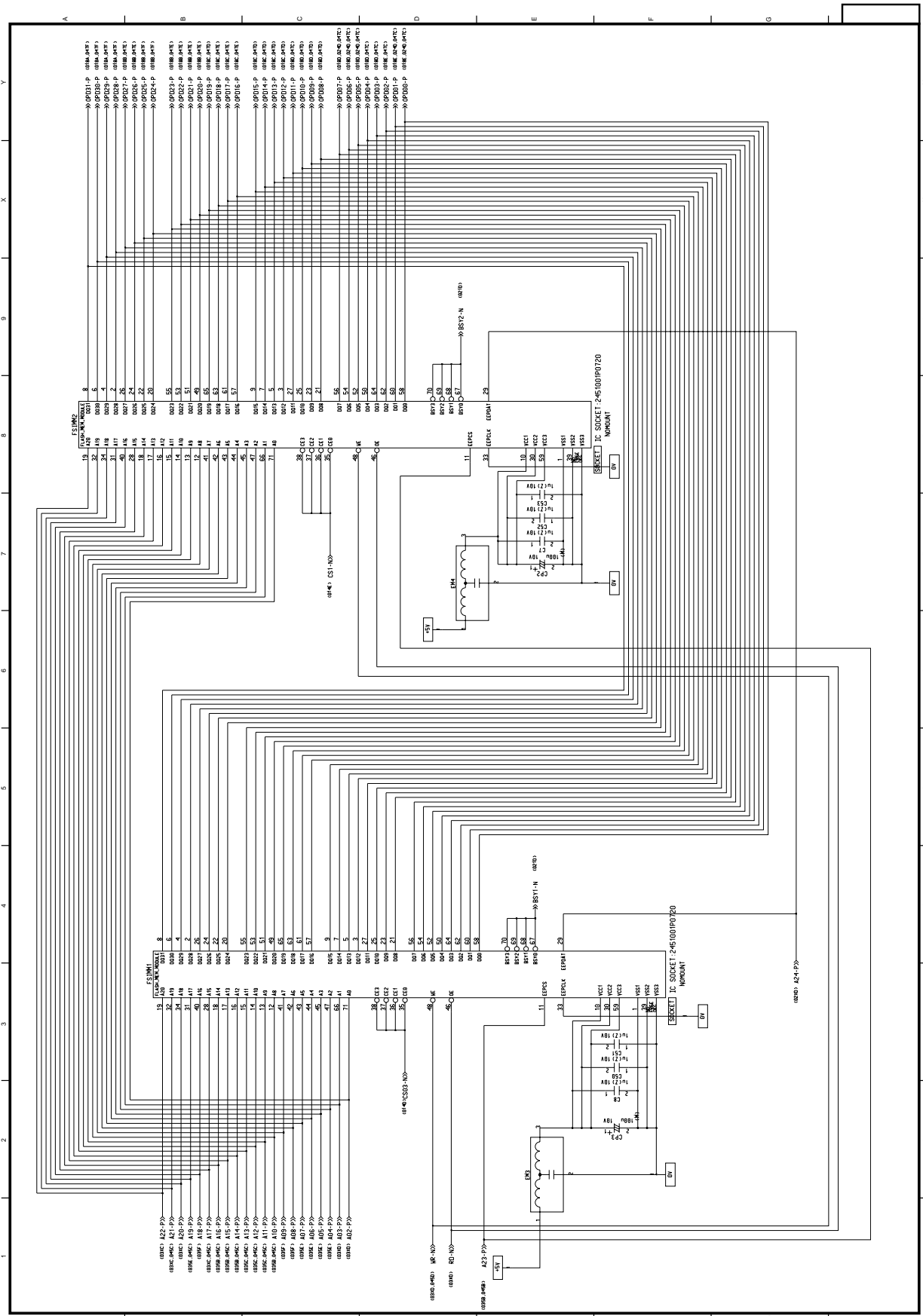


Figure 1-9 RS-232C Interface Board (SIF) (5/6)

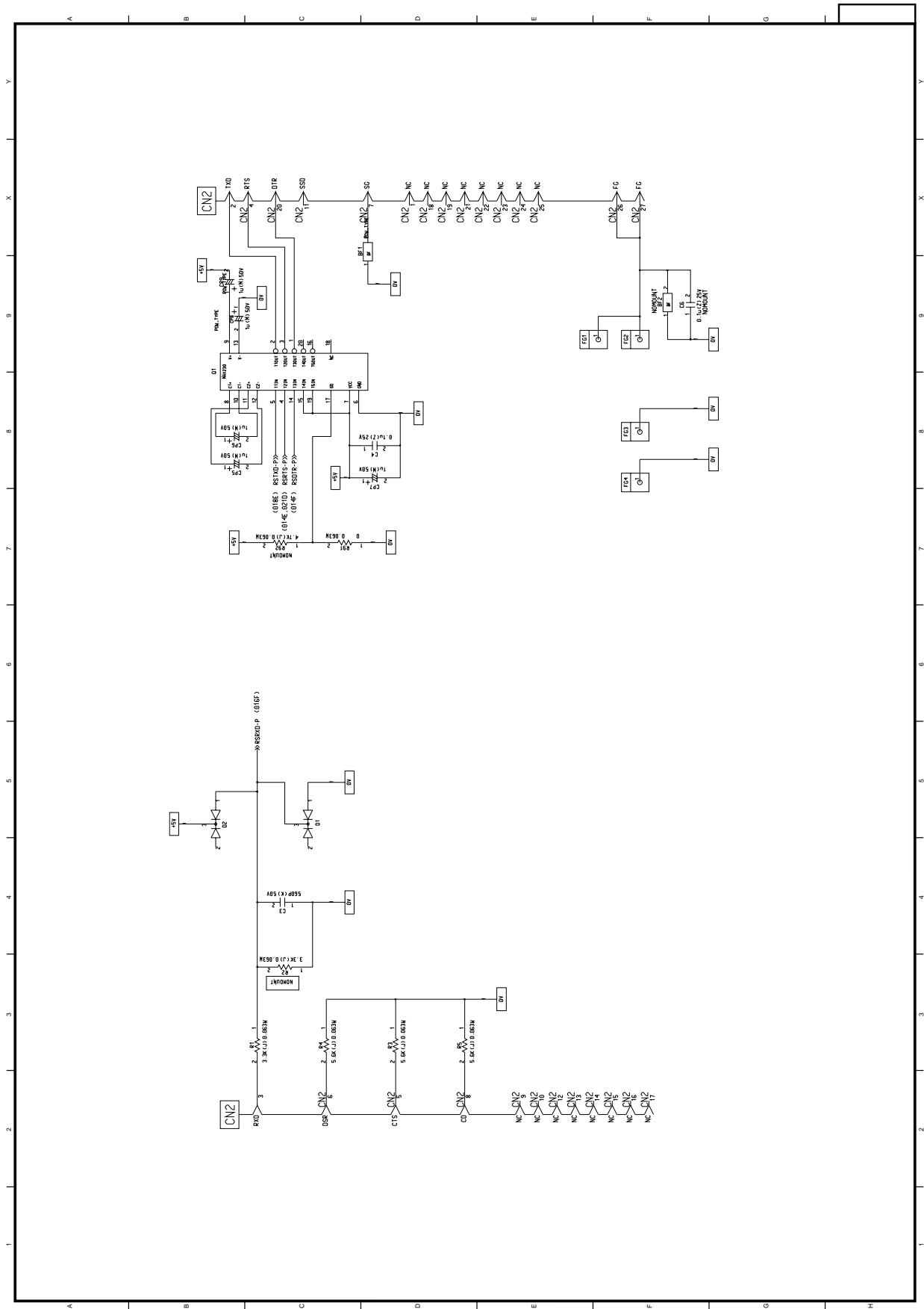


Figure 1-9 RS-232C Interface Board (SIF) (6/6)

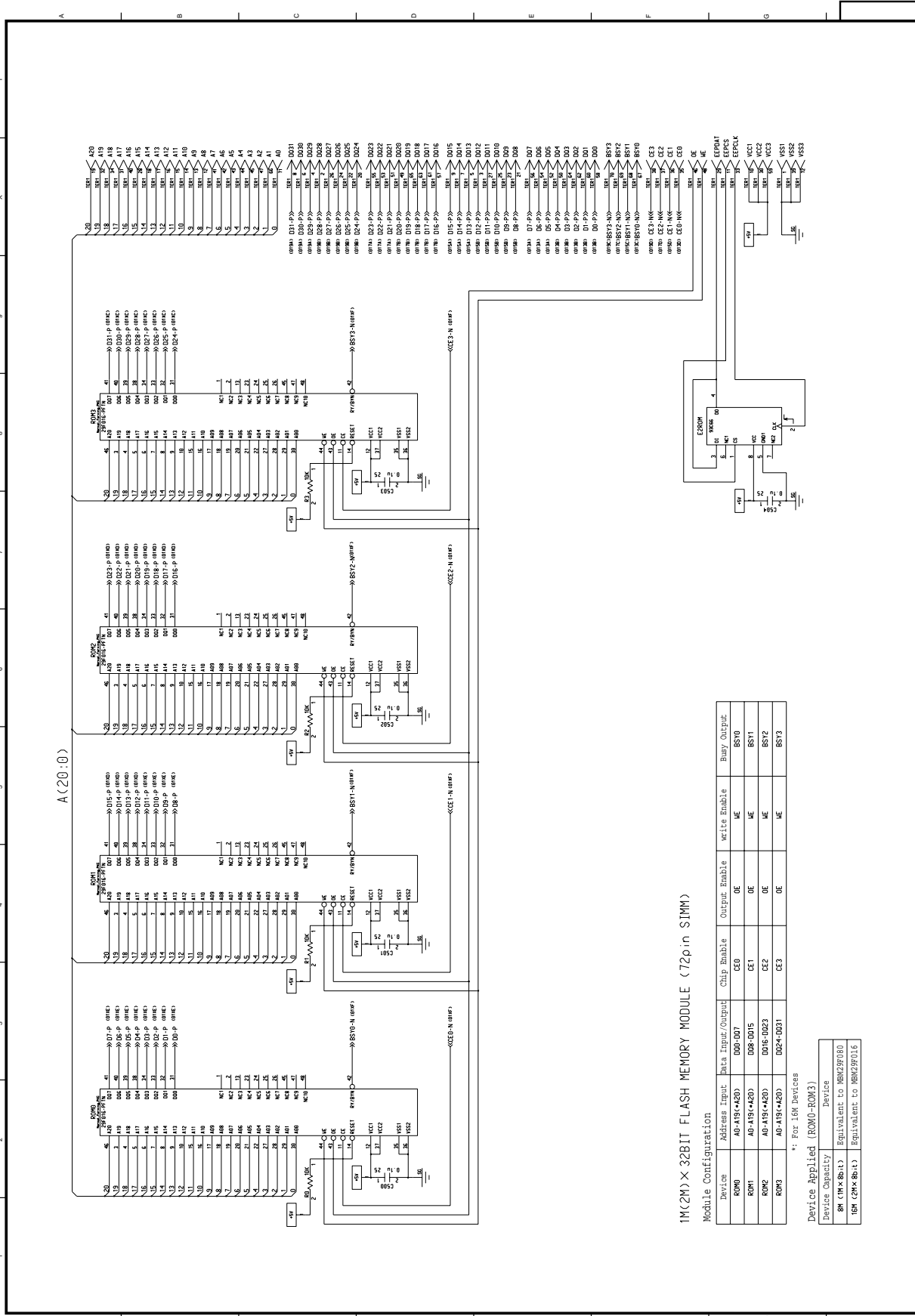
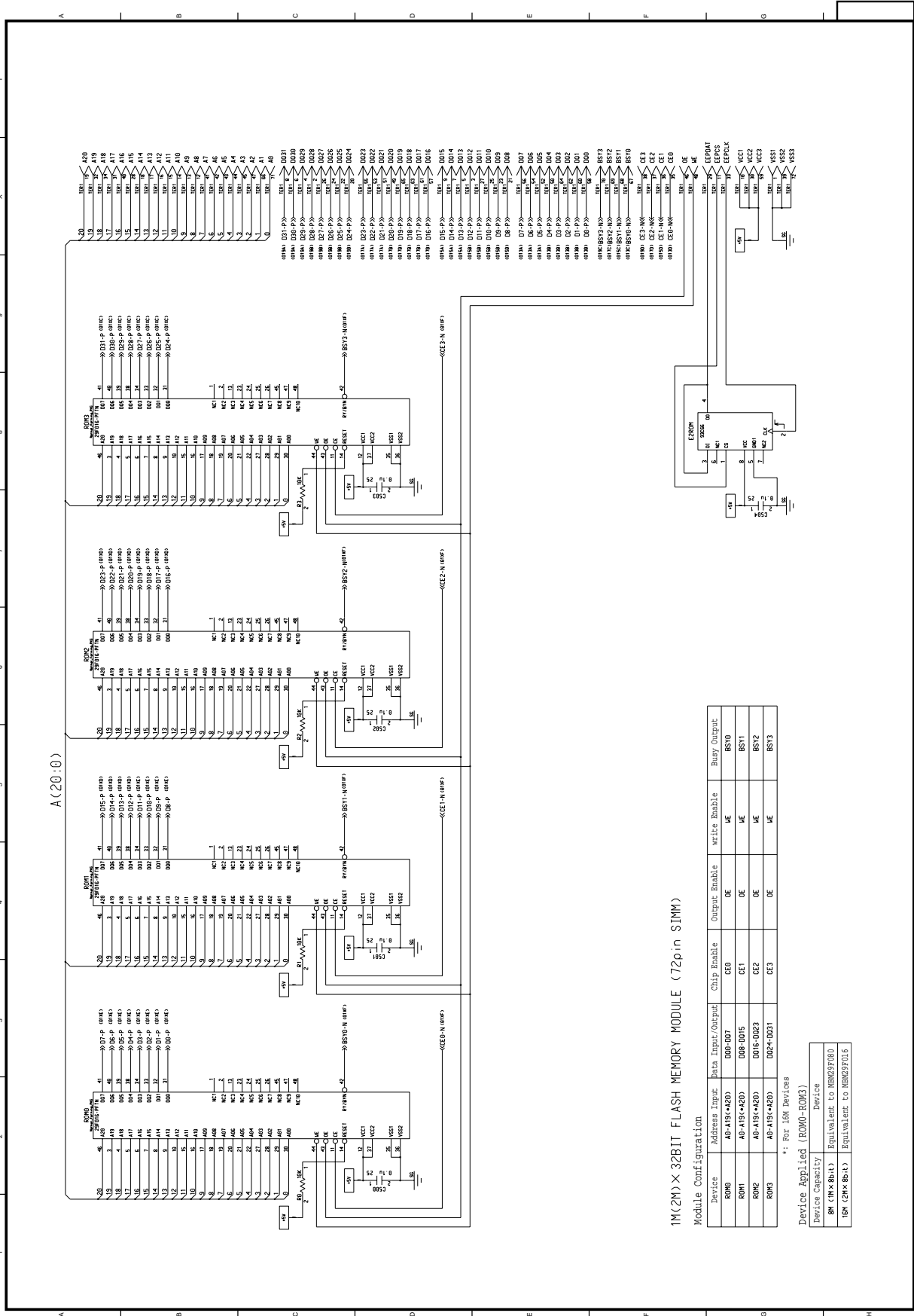


Figure 1-10 Flash SIMM (4MB) (FSL-PCB, Rev1) (1/1)



1M(2M) X 32BIT FLASH MEMORY MODULE (72pin SIMM)

Module Configuration

Device	Address Input	Data Input/Output	Chip Enable	Output Enable	write Enable	Busy Output
ROM0	A0-A15(+A20)	D00-D07	CE0	OE	WE	BSY0
ROM1	A0-A15(+A20)	D08-D015	CE1	OE	WE	BSY1
ROM2	A0-A15(+A20)	D016-D023	CE2	OE	WE	BSY2
ROM3	A0-A15(+A20)	D24-D31	CE3	OE	WE	BSY3

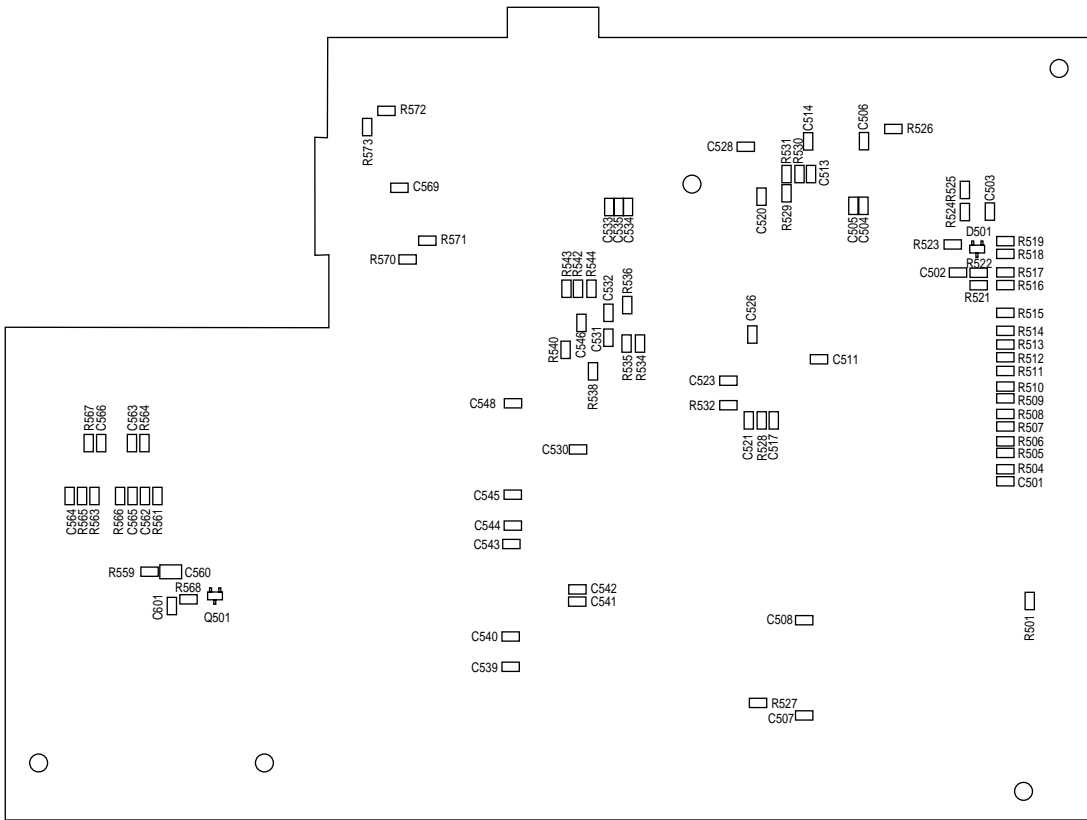
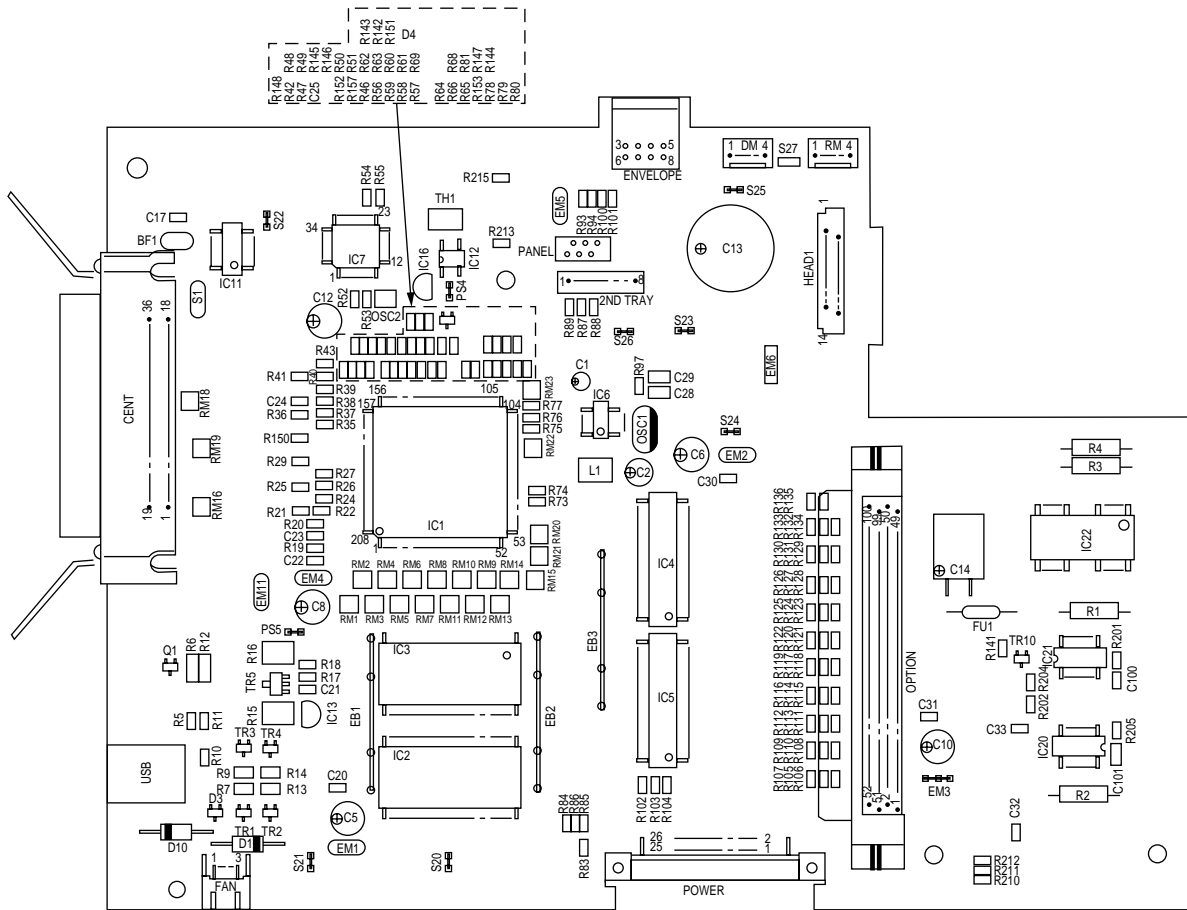
*: For 16M Devices

Device Applied (ROM0-ROM3)	Device
8M (CMK 8b1)	Equivalent to M8M2PFL6
16M (CMK 8b1)	Equivalent to M8M2PFL6

Figure 1-11 Flash SIMM (8MB) (FSL-2-PCB, Rev1) (1/1)

2. COMPONENT PARTS LIST

Main Control Board	(M7G OP14e)	41478601
Main Control Board	(M7E OP14i / OP14ex)	41249202, 41249201
Operator Panel Board	(OLCC-3-PCB)	4YA4130-1001G3
Power Supply Board	(HV1)	41228501
High Capacity Second Paper Feeder Board	(TQSB-2-PCB, Rev. 1)	4YA4046-1651G2
Multi Purpose Feeder Board	(OLEV-PCB, Rev. 4)	4YA4121-1014G11
Memory Expansion Board	(MM7)	41353301
Network Interface Board	(MN8)	41352601
RS-232C Interface Board	(SIF)	41353901
Flash SIMM (4MB)	(FSL-PCB, Rev. 1)	40405419
Flash SIMM (8MB)	(FSL-2-PCB, Rev.1)	40405420



M7G-PCB Assy. (Main Control Board) OP14e
(41748601-1/9)

**M7G-PCB Assy. (Main Control Board) OP14e
(41748601-2/9)**

REF. NO.	SYMBOL	TYPE/NAME	PART NO.	Q'TY	REMARKS
1	D10	OR-Rectifying DI -Q	40401401	1	
2	D3, D4, D501	SS100MA80VACP D-Signal (CP)	611A0000N0001	3	
3	D1	RD10F-B D-Zener -	613A2232L0182	1	
4					
5	R204	CR/RK73H/ERJ/MCRF122 RES-MET RN -C	3235003F0122	1	
6	R568	CR/RK73H/ERJ/MCRF203 RES-MET RN -C	3235003F0203	1	
7	R540	CR/RK73H/ERJ/MCRF221 RES-MET RN -C	3235003F0221	1	
8	R566	CR/RK73H/ERJ/MCRF223 RES-MET RN -C	3235003F0223	1	
9	R563	CR/RK73H/ERJ/MCRF242 RES-MET RN -C	3235003F0242	1	
10	R565	CR/RK73H/ERJ/MCRF302 RES-MET RN -C	3235003F0302	1	
11	R17	CR/RK73H/ERJ/MCRF331 RES-MET RN -C	3235003F0331	1	
12	R202	CR/RK73H/ERJ/MCRF332 RES-MET RN -C	3235003F0332	1	
13	R18	CR/RK73H/ERJ/MCRF911 RES-MET RN -C	3235003F0911	1	
14	R538	CR/RK73K/ERJ/MCRJ100 RES-MET RN -C	3235003J0100	1	
15	R25, R35, R50, R141, R505, R570	CR/RK73K/ERJ/MCRJ101 RES-MET RN -C	3235003J0101	6	
16	R97, R101, R142-R144, R504, R506, R515, R517, R522, R531, R564, R567	CR/RK73K/ERJ/MCRJ102 RES-MET RN -C	3235003J0102	13	
17	R41, R80, R201, R521, R523, R561	CR/RK73K/ERJ/MCRJ103 RES-MET RN -C	3235003J0103	6	

**M7G-PCB Assy. (Main Control Board) OP14e
(41748601-3/9)**

REF. NO.	SYMBOL	TYPE/NAME	PART NO.	Q'TY	REMARKS
18	R53	CR/RK73K/ERJ/MCRJ105 RES-MET RN -C	3235003J0105	1	
19	R88	CR/RK73K/ERJ/MCRJ112 RES-MET RN -C	3235003J0112	1	
20	R37, R47, R83	CR/RK73K/ERJ/MCRJ122 RES-MET RN -C	3235003J0122	3	
21	R24, R26, R27, R65, R79, R81	CR/RK73K/ERJ/MCRJ151 RES-MET RN -C	3235003J0151	6	
22	R501	CR/RK73K/ERJ/MCRJ152 RES-MET RN -C	3235003J0152	1	
23	R148	CR/RK73K/ERJ/MCRJ153 RES-MET RN -C	3235003J0153	1	
24	R145~R147	CR/RK73K/ERJ/MCRJ182 RES-MET RN -C	3235003J0182	3	
25	R19, R20, R56~R63, R150	CR/RK73K/ERJ/MCRJ202 RES-MET RN -C	3235003J0202	11	
26	R507~R514	CR/RK73K/ERJ/MCRJ220 RES-MET RN -C	3235003J0220	8	
27	R42, R48	CR/RK73K/ERJ/MCRJ221 RES-MET RN -C	3235003J0221	2	
28	R205, R559	CR/RK73K/ERJ/MCRJ223 RES-MET RN -C	3235003J0223	2	
29	R21, R22, R29, R78	CR/RK73K/ERJ/MCRJ241 RES-MET RN -C	3235003J0241	4	
30	R49	CR/RK73K/ERJ/MCRJ242 RES-MET RN -C	3235003J0242	1	
31	R532	CR/RK73K/ERJ/MCRJ270 RES-MET RN -C	3235003J0270	1	
32	R46	CR/RK73K/ERJ/MCRJ330 RES-MET RN -C	3235003J0330	1	
33	R75, R76	CR/RK73K/ERJ/MCRJ331 RES-MET RN -C	3235003J0331	2	
34	R77, R516, R518, R519	CR/RK73K/ERJ/MCRJ332 RES-MET RN -C	3235003J0332	4	

**M7G-PCB Assy. (Main Control Board) OP14e
(41748601-4/9)**

REF. NO.	SYMBOL	TYPE/NAME	PART NO.	Q'TY	REMARKS
35	R524	CR/RK73K/ERJ/MCRJ392 RES-MET RN -C	3235003J0392	1	
36	R105~R136	CR/RK73K/ERJ/MCRJ470 RES-MET RN -C	3235003J0470	32	
37	R36, R38, R39, R68, R69, R74, R527	CR/RK73K/ERJ/MCRJ472 RES-MET RN -C	3235003J0472	7	
38	R40, R87, R89, R93, R94, R100	CR/RK73K/ERJ/MCRJ510 RES-MET RN -C	3235003J0510	6	
39	R51	CR/RK73K/ERJ/MCRJ511 RES-MET RN -C	3235003J0511	1	
40	R151, R526	CR/RK73K/ERJ/MCRJ512 RES-MET RN -C	3235003J0512	2	
41	R534	CR/RK73K/ERJ/MCRJ560 RES-MET RN -C	3235003J0560	1	
42	R84, R86	CR/RK73K/ERJ/MCRJ621 RES-MET RN -C	3235003J0621	2	
43	R73	CR/RK73K/ERJ/MCRJ820 RES-MET RN -C	3235003J0820	1	
44	R85	CR/RK73K/ERJ/MCRJ821 RES-MET RN -C	3235003J0821	1	
45					
46	R13, R14	RM73B2A103J RES RN -C	323A5003J0103	2	
47	R7, R9	RM73B2A912J RES RN -C	323A5003J0912	2	
48	R6, R12	RM73B2B220J RES RN -C	323A5015J0220	2	
49	R16	ERJ-12YJ620 RES RN -C	323A5019J0620	1	
50	R15	ERJ-12YJ750 RES RN -C	323A5019J0750	1	
51	R1~R4	MSF1/2B0.5ohmJ RES RS	324A1001J0518	4	

**M7G-PCB Assy. (Main Control Board) OP14e
(41748601-5/9)**

REF. NO.	SYMBOL	TYPE/NAME	PART NO.	Q'TY	REMARKS
52	R5, R10, R11, R43, R52, R54, R55, R64, R66, R102~R104, R152, R153, R157, R525, R528~R530, R535, R536, R542~R544, R571~R573	CR/RK73Z/ERJ/MCRJ-0V RES-Zero ohm -C	3255003P0001	27	
53	RM1~RM8	CN1J4/EXBV8V100ohmJ RES-Block -C	3345003J0101	8	
54	RM21	CN1J4/EXBV8V22ohmJ RES-Block -C	3345003J0220	1	
55	RM22, RM23	CN1J4/EXBV8V330ohmJ RES-Block -C	3345003J0331	2	
56	RM20	CN1J4/EXBV8V47ohmJ RES-Block -C	3345003J0470	1	
57	RM16, RM18, RM19	MNR14ABJ332 RES-Block -C	334A5012J0332	3	
58	RM9~RM15	MNR14ABJ680 RES-Block -C	334A5012J0680	7	
59					
60	C530	GRM/UMK/MCH/220CH CAP-Ceramic -C	3033003C0220	1	
61	C541	GRM/UMK/MCH/470CH CAP-Ceramic -C	3033003C0470	1	
62	C533~C535, C542	GRM/UMK/MCH/680CH CAP-Ceramic -C	3033003C0680	4	
63	C22~C25, C502, C504, C513, C563, C566	GRM/UMK/MCH/102B 50V CAP-Ceramic -C	3036003K0102	9	
64	C517, C523, C526, C565	GRM/UMK/MCH/222B 50V CAP-Ceramic -C	3036003K0222	4	
65	C501	GRM/UMK/MCH/561B 50V CAP-Ceramic -C	3036003K0561	1	
66	C21, R210~R212, R215	GRM/UMK/MCH/103Z 50V CAP-Ceramic -C	3036003Z0103	5	

**M7G-PCB Assy. (Main Control Board) OP14e
(41748601-6/9)**

REF. NO.	SYMBOL	TYPE/NAME	PART NO.	Q'TY	REMARKS
67	C31, C33, C100, C503, C505-C508, C514, C520, C528, C531, C532, C539, C540, C543-C546, C548, C562, C564, C569, C601	GRM/ TMK/ MCH/ 104Z 25V CAP-Ceramic -C	3036003Z0104	24	
68	C20, C30, C511, C521	GRM/LMK/MCH/105Z 10V CAP-Ceramic -C	3036003Z0105	4	
69	C101, C560	CC2012SL1H681J 50V CAP-CC (CP)	303A3007K0681	2	
70	C28	CK2012B1H102K 50V CAP-CK (CP)	303A6008K3102	1	
71	C29	CK2012B1H103K 50V CAP-CK (CP)	303A6008K3103	1	
72	C1	10MS5-10M 10V CAP-CE 10μF	304A1046A1100	1	
73	C2	10MS5-22M 10V CAP-CE 22μF	304A1046A1220	1	
74	C5, C6, C10	10MS5-68M 10V CAP-CE 68μF	304A1046A1680	3	
75	C8, C12	6.3MS5-100M 6.3V CAP-CE 100μF	304A1046J0101	2	
76	C13	UVS1A332MHA 10V CAP-CE 3300μF	304A1137A1332	1	
77	C14	KMG50VB-220M 50V CAP-CE 220μF	304A1164H1221	1	
78	C17, C32, R213	BLM11B252SD-PT CORE -C	1055001C0004	3	
79					
80	IC11	74LS07FP Digital IC-BIP (SO)	700A0503N0007	1	
81	IC13	TL431CLP/NJM431L-T3 Analog-BILPLIN -P	7200903M9001	1	
82	IC22	MTD2007F-4072 Analog-BILPLIN -B	7201816N0001	1	

**M7G-PCB Assy. (Main Control Board) OP14e
(41748601-7/9)**

REF. NO.	SYMBOL	TYPE/NAME	PART NO.	Q'TY	REMARKS
83	IC20, IC21	A3955SLBTR Analog-BIPLIN -B	7201826N0002	2	
84	IC16	PST592D-2 BIPLIN-IC	720A4037M0015	1	
85	IC4, IC5	OR-Memory-MOSDRAM-S	41087701	2	
86	IC12	BR93LC66RF E2 Memory-MOSEEPR-S	8162331N0000	1	
87	IC1	MHM2029-008K-52 CPU-MOS -F	8510440N0008	1	
88	IC7	ML60851DGA CPU-Interface -F	8550024N0002	1	
89	IC6	IMISM530AYBD-1 CPU-Interface -B	8550084N0002	1	
90	IC2	MX23C3210MC-10-205 Memory-MOSMROM -S	8175629N0005	1	
91	IC3	MX23C3210MC-10-206 Memory-MOSMROM -S	8175629N0006	1	
92					
93	EM5	ZJSC-2R2-101-TA COMP PAR-LC -P	3421000P2101	1	
94	EM2, EM4	ZJSR5101-682-T COMP PAR-LC -P	3421004P1682	2	
95	EM6	ZJSC-R10-470-TA COMP PAR-LC -P	3421000P0470	1	
96	EM1, EM11	DSS306-OAE222Z EMI FILTER -	342A1009P2222	2	
97					
98	L1	NL453232-150J Coil-H (CP)	353A4005K0150	1	
99	Q1, Q501	A1344/UN2111/DTA114K PNP-HF-TR (CP)	600A1003N0003	2	
100					

**M7G-PCB Assy. (Main Control Board) OP14e
(41748601-8/9)**

REF. NO.	SYMBOL	TYPE/NAME	PART NO.	Q'TY	REMARKS
101	TR1, TR2	2SA1338/2SB1198KT TR-PNP/H -C	6001003N0002	2	
102	TR3, TR4, TR10	DTC123YK/YKAT146 TR-NPN/H -C	6021003N0004	3	
103	TR5	2SD1623S TR-NPN-LF (CP)	603A1132N0001S	1	
104					
105	CENT	57RE-40360-830B-D29 Connector-SQR -	2201001P0360	1	
106	ENVELOPE	MD-S8000B-70 Connector-RND -	2211001P0080	1	
107	HEAD1	SLD14S-2 Connector-PCB -	2243001P0140	1	
108	USB	USB-4R-D14T-1 Connector-PCB -	2243023P0040	1	
109	PANEL	06FE-BT-VK-N Connector-PCB -	2244102P0060	1	
110	POWER	128A-026P2B-L14N Connector-PCB -	224A3222P0261	1	
111	DM	00-8263-0412-00-000 Connector-PCB -	224A3357P0040	1	
112	RM	00-8263-0412-00-003 Connector-PCB -	224A3357P0041	1	
113	OPTION	PQ100A2FA Connector-PCB -	224A3516P1000	1	
114	FAN	S3B-XH-A Connector-PCB -	224A3528P0030	1	
115	2NDTRAY	B8B-PH-K-S Connector-PCB -	224A3529P0080	1	
116	OSC1	CST24.88MXWOH1-TF01 OSC-Ceramic -P	3811004B0005	1	
117	OSC2	CSTCW4800MX41016-T OSC-Ceramic -C	3815000C0002	1	

**M7G-PCB Assy. (Main Control Board) OP14e
(41748601-9/9)**

REF. NO.	SYMBOL	TYPE/NAME	PART NO.	Q'TY	REMARKS
118					
119	TH1	MiniSMDC100-02 FUSE -C	5400500L0102	1	
120	FU1	251-002 FUSE -	540A2208S1202	1	
121					
122	S27	SA-8506185/ZBF253 Filter-PW line -N	3771003P0001	1	
123					
124	BF1, PS4, PS5, S20~S26, S29	SHORT WIRE (U TYPE) 0.65 P=2.5	5KH-31036-25	11	
125	S1, EM3	SHORT WIRE (U TYPE) 0.65 P=5.0	5KH-31036-50	2	
126	EB1, EB2, EB3	POWER BAR L=30.48	3LH-31313-158	3	

**M7E-PCB Assy. (Main Control Board) OP14ex
(41249201-2/9)**

REF. NO.	SYMBOL	TYPE/NAME	PART NO.	Q'TY	REMARKS
1	D3, D501	SS100MA80VACP D-Signal (CP)	611A0000N0001	2	
2	D1	RD10F-B D-Zener -	613A2232L0182	1	
3	D10	OR-Rectifying DI -Q	40401401	1	
4					
5	R540	CR/RK73H/ERJ/MCRF221 RES-MET RN -C	3235003F0221	1	
6	R566	CR/RK73H/ERJ/MCRF223 RES-MET RN -C	3235003F0223	1	
7	R563	CR/RK73H/ERJ/MCRF242 RES-MET RN -C	3235003F0242	1	
8	R204	CR/RK73H/ERJ/MCRF272 RES-MET RN -C	3235003F0272	1	
9	R568	CR/RK73H/ERJ/MCRF363 RES-MET RN -C	3235003F0363	1	
10	R565	CR/RK73H/ERJ/MCRF302 RES-MET RN -C	3235003F0302	1	
11	R17	CR/RK73H/ERJ/MCRF331 RES-MET RN -C	3235003F0331	1	
12	R202	CR/RK73H/ERJ/MCRF622 RES-MET RN -C	3235003F0622	1	
13	R18	CR/RK73H/ERJ/MCRF911 RES-MET RN -C	3235003F0911	1	
14	R538	CR/RK73K/ERJ/MCRJ100 RES-MET RN -C	3235003J0100	1	
15	R21, R25, R35, R141, R505	CR/RK73K/ERJ/MCRJ101 RES-MET RN -C	3235003J0101	5	
16	R97, R98, R101, R504, R506, R515, R517, R522, R531, R564, R567	CR/RK73K/ERJ/MCRJ102 RES-MET RN -C	3235003J0102	11	
17	R41, R80, R201, R521, R523, R561	CR/RK73K/ERJ/MCRJ103 RES-MET RN -C	3235003J0103	6	

**M7E-PCB Assy. (Main Control Board) OP14ex
(41249201-3/9)**

REF. NO.	SYMBOL	TYPE/NAME	PART NO.	Q'TY	REMARKS
18	R8, R53	CR/RK73K/ERJ/MCRJ105 RES-MET RN -C	3235003J0105	2	
19	R88, R92	CR/RK73K/ERJ/MCRJ112 RES-MET RN -C	3235003J0112	2	
20	R37, R47, R83, R90, R99	CR/RK73K/ERJ/MCRJ122 RES-MET RN -C	3235003J0122	5	
21	R23, R24, R26, R27, R65, R79, R81	CR/RK73K/ERJ/MCRJ151 RES-MET RN -C	3235003J0151	7	
22	R501	CR/RK73K/ERJ/MCRJ152 RES-MET RN -C	3235003J0152	1	
23	R533	CR/RK73K/ERJ/MCRJ153 RES-MET RN -C	3235003J0153	1	
24					
25	R19, R20, R56~R63	CR/RK73K/ERJ/MCRJ202 RES-MET RN -C	3235003J0202	10	
26	R105~R136, R507~R514	CR/RK73K/ERJ/MCRJ220 RES-MET RN -C	3235003J0220	40	
27	R42, R48	CR/RK73K/ERJ/MCRJ221 RES-MET RN -C	3235003J0221	2	
28	R205, R559	CR/RK73K/ERJ/MCRJ223 RES-MET RN -C	3235003J0223	2	
29	R22, R29, R78	CR/RK73K/ERJ/MCRJ241 RES-MET RN -C	3235003J0241	3	
30	R49	CR/RK73K/ERJ/MCRJ242 RES-MET RN -C	3235003J0242	1	
31	R532	CR/RK73K/ERJ/MCRJ270 RES-MET RN -C	3235003J0270	1	
32					
33	R75, R76	CR/RK73K/ERJ/MCRJ331 RES-MET RN -C	3235003J0331	2	
34	R77, R516, R518, R519	CR/RK73K/ERJ/MCRJ332 RES-MET RN -C	3235003J0332	4	

**M7E-PCB Assy. (Main Control Board) OP14ex
(41249201-4/9)**

REF. NO.	SYMBOL	TYPE/NAME	PART NO.	Q'TY	REMARKS
35	R46, R545	CR/RK73K/ERJ/MCRJ390 RES-MET RN -C	3235003J0390	2	
36	R524	CR/RK73K/ERJ/MCRJ392 RES-MET RN -C	3235003J0392	1	
37	R91	CR/RK73K/ERJ/MCRJ471 RES-MET RN -C	3235003J0471	1	
38	R36, R38, R39, R67~ R69, R74, R527	CR/RK73K/ERJ/MCRJ472 RES-MET RN -C	3235003J0472	8	
39	R31, R33, R40, R45, R50, R87, R89, R93, R94, R100, R546, R549, R552, R553	CR/RK73K/ERJ/MCRJ510 RES-MET RN -C	3235003J0510	14	
40	R51	CR/RK73K/ERJ/MCRJ511 RES-MET RN -C	3235003J0511	1	
41	R140, R526	CR/RK73K/ERJ/MCRJ512 RES-MET RN -C	3235003J0512	2	
42	R534	CR/RK73K/ERJ/MCRJ560 RES-MET RN -C	3235003J0560	1	
43	R84, R86	CR/RK73K/ERJ/MCRJ621 RES-MET RN -C	3235003J0621	2	
44	R73	CR/RK73K/ERJ/MCRJ820 RES-MET RN -C	3235003J0820	1	
45	R85	CR/RK73K/ERJ/MCRJ821 RES-MET RN -C	3235003J0821	1	
46					
47	R13, R14	RM73B2A103J RES RN (CP)	323A5003J0103	2	
48	R7, R9	RM73B2A912J RES RN (CP)	323A5003J0912	2	
49	R6, R12	RM73B2B220J RES RN (CP)	323A5015J0220	2	
50	R16	ERJ-12YJ620 RES RN (CP)	323A5019J0620	1	
51	R15	ERJ-12YJ750 RES RN (CP)	323A5019J0750	1	

**M7E-PCB Assy. (Main Control Board) OP14ex
(41249201-5/9)**

REF. NO.	SYMBOL	TYPE/NAME	PART NO.	Q'TY	REMARKS
52	R1~R4	MSF1/2B0.51ohmJ RES RS	324A1001J0518	4	
53	R5, R10, R11, R43, R52, R54, R55, r64, R102~R104, R525, R528~R530, R535, R536, R542~R544, R5547, R548, R551, R554, R555	CR/RK73Z/ERJ/MCRJ-0V RES-Zero ohm -C	3255003P0001	25	
54	RM1~RM8	CN1J4/EXBV8V10ohmJ RES-Block -C	3345003J0100	8	
55	RM21	CN1J4/EXBV8V22ohmJ RES-Block -C	3345003J0220	1	
56	RM22, RM23	CN1J4/EXBV8V330ohmJ RES-Block -C	3345003J0331	2	
57	RM9~RM14, RM20	CN1J4/EXBV8V47ohmJ RES-Block -C	3345003J0470	7	
58	RM16, RM18, RM19	MNR14ABJ332 RES-Block (CP)	334A5012J0332	3	
59	RM15	MNR14ABJ680 RES-Block (CP)	334A5012J0680	1	
60	R502, R503	BLM11B471SB-PT CORE -C	1055001C0003	2	
61	C15, C17, C32	BLM11B252SD-PT CORE -C	1055001C0004	3	
62	C536~C538, C547	GRM/UMK/MCH/101CH CAP-Ceramic -C	3033003C0101	4	
63	C529	GRM/UMK/MCH/220CH CAP-Ceramic -C	3033003C0220	1	
64	C530	GRM/UMK/MCH/330CH CAP-Ceramic -C	3033003C0330	1	
65	C541	GRM/UMK/MCH/470CH CAP-Ceramic -C	3033003C0470	1	
66	C533~C535, C542	GRM/UMK/MCH/680CH CAP-Ceramic -C	3033003C0680	4	
67	C18, C22~C25, C502, C504, C513, C563, C566, R215	GRM/UMK/MCH/102B 50V CAP-Ceramic -C	3036003K0102	11	

**M7E-PCB Assy. (Main Control Board) OP14ex
(41249201-6/9)**

REF. NO.	SYMBOL	TYPE/NAME	PART NO.	Q'TY	REMARKS
68	C517, C523, C526, C565	GRM/UMK/MCH/222B 50V CAP-Ceramic -C	3036003K0222	4	
69	C501	GRM/UMK/MCH/561B 50V CAP-Ceramic -C	3036003K0561	1	
70	C21, C509, C519, C525	GRM/UMK/MCH/103Z 50V CAP-Ceramic -C	3036003Z0103	4	
71	C31, C33, C100, C503, C505-C508, C514, C520, C528, C531, C532, C539, C540, C543-C546, C548, C557, C562, C564, C601	GRM/ TMK/ MCH/ 104Z 25V CAP-Ceramic -C	3036003Z0104	24	
72	C20, C30, C511, C521	GRM/LMK/MCH/105Z 10V CAP-Ceramic -C	3036003Z0105	4	
73	C101, C560	CC2012SL1H681J 50V CAP-CC (CP)	303A3007K0681	2	
74	C28	CK2012B1H102K 50V CAP-CK (CP)	303A6008K3102	1	
75	C29	CK2012B1H103K 50V CAP-CK (CP)	303A6008K3103	1	
76	C1	10MS5-10M 10V CAP-CE 10 μ F	304A1046A1100	1	
77	C2	10MS5-22M 10V CAP-CE 22 μ F	304A1046A1220	1	
78	C5, C6	10MS5-68M 10V CAP-CE 68 μ F	304A1046A1680	2	
79	C8, C10-C12	6.3MS5-100M 6.3V CAP-CE 100 μ F	304A1046J0101	4	
80	C13	UVS1A332MHA 10V CAP-CE 3300 μ F	304A1137A1332	1	
81	C14	KMG50VB-220M 50V CAP-CE 220 μ F	304A1164H1221	1	
82					
83	IC11	74LS07FP Digital IC-BIP (SO)	700A0503N0007	1	

**M7E-PCB Assy. (Main Control Board) OP14ex
(41249201-7/9)**

REF. NO.	SYMBOL	TYPE/NAME	PART NO.	Q'TY	REMARKS
84	IC13	TL431CLP/NJM431L-T3 Analog-BILPLIN -P	7200903M9001	1	
85	IC16	PST592D-2 BILPLIN-IC	720A4037M0015	1	
86	IC4, IC5	OR-Memory-MOSDRAM -S	41087701	2	
87	IC12	br93lc66rf e2 Memory-MOSEEPR -S	8162331N0000	1	
88	IC2	MX23C3210MC-10-205 Memory-MOSMROM -S	8175629N0005	1	
89	IC3	MX23C3210MC-10-206 Memory-MOSMROM -S	8175629N0006	1	
90	IC1	MHM2029-008K-52 CPU-MOS -F	8510440N0008	1	
91	IC7	ML60851DGA CPU-Interface -F	8550024N0002	1	
92	IC6	IMISM530AYBD-1 CPU-Interface -B	8550084N0002	1	
93	IC20, IC21	A3955SLBTR Analog-BIPLIN -B	7201826N0002	2	
94	IC22	MTD2007F-4072 Analog-BILPLIN -B	7201816N0001	1	
95					
96	EM9	ZJSC-R10-470-TA COMP PAR-LC -P	3421000P0470	1	
97	EM11	ZJSC-R47-391-TA COMP PAR-LC -P	3421000P1391	1	
98	EM4	ZJSR5101-682-T COMP PAR-LC -P	3421004P1682	1	
99	EM1, EM2	ZJSC-2R2-101-TA COMP PAR-LC -P	3421000P2101	2	
100	S27	SA-8506185/ZBF253 Filter-PW line -N	3771003P0001	1	

**M7E-PCB Assy. (Main Control Board) OP14ex
(41249201-8/9)**

REF. NO.	SYMBOL	TYPE/NAME	PART NO.	Q'TY	REMARKS
101	L1	NL453232-150J Coil-H (CP)	353A4005K0150	1	
102	Q1, Q501	A1344/UN2111/DTA114K PNP-HF-TR (CP)	600A1003N0003	2	
103					
104	TR1, TR2	2SA1338/2SB1198KT TR-PNP/H -C	6001003N0002	2	
105	TR3, TR4, TR10	DTC123YK/YKAT146 TR-NPN/H -C	6021003N0004	3	
106	TR5	2SD1623S TR-NPN-LF (CP)	603A1132N0001S	1	
107					
108	CENT	57RE-40360-830B-D29 Connector-SQR -	2201001P0360	1	
109	ENVELOPE	MD-S8000B-70 Connector-RND -	2211001P0080	1	
110	HEAD2	SLD12S-2 Connector-PCB -	2243001P0120	1	
111	HEAD1	SLD14S-2 Connector-PCB -	2243001P0140	1	
112	USB	USB-4R-D14T-1 Connector-PCB -	2243023P0040	1	
113	PANEL	06FE-BT-VK-N Connector-PCB -	2244102P0060	1	
114	POWER	128A-026P2B-L14N Connector-PCB -	224A3222P0261	1	
115	DM	00-8263-0412-00-000 Connector-PCB -	224A3357P0040	1	
116	RM	00-8263-0412-00-003 Connector-PCB -	224A3357P0041	1	
117	OPTION	PQ100A2FA Connector-PCB -	224A3516P1000	1	

**M7E-PCB Assy. (Main Control Board) OP14ex
(41249201-9/9)**

REF. NO.	SYMBOL	TYPE/NAME	PART NO.	Q'TY	REMARKS
118	FAN	S3B-XH-A Connector-PCB -	224A3528P0030	1	
119	2NDTRAY	B8B-PH-K-S Connector-PCB -	224A3529P0080	1	
120	OSC1	CST24.88MXWOH1-TF01 OSC-Ceramic -P	3811004B0005	1	
121	OSC2	CSTCW4800MX41016-T OSC-Ceramic -C	3815000C0002	1	
122					
123	TH1	MiniSMDC100-02 FUSE -C	5400500L0102	1	
124	FU1	251-002 FUSE -	540A2208S1202	1	
125					
126	S20~S22, S24~S26, S29, PS3~PS5	SHORT WIRE (U TYPE) 0.65 P=2.5	5KH-31036-25	10	
127	EM3, S1	SHORT WIRE (U TYPE) 0.65 P=5.0	5KH-31036-50	2	
128	EB1, EB2	POWER BAR L=30.48	3LH-31313-158	2	
129	EB3, EB4	POWER BAR L=60.96 P=15.24 N=5	3LH-31313-4	2	

**M7E-2-PCB Assy. (Main Control Board) OP14i
(41249202-2/9)**

REF. NO.	SYMBOL	TYPE/NAME	PART NO.	Q'TY	REMARKS
1	D3, D501	SS100MA80VACP D-Signal (CP)	611A0000N0001	2	
2	D1	RD10F-B D-Zener -	613A2232L0182	1	
3	D10	OR-Rectifying DI -Q	40401401	1	
4					
5	R540	CR/RK73H/ERJ/MCRF221 RES-MET RN -C	3235003F0221	1	
6	R566	CR/RK73H/ERJ/MCRF223 RES-MET RN -C	3235003F0223	1	
7	R563	CR/RK73H/ERJ/MCRF242 RES-MET RN -C	3235003F0242	1	
8	R204	CR/RK73H/ERJ/MCRF272 RES-MET RN -C	3235003F0272	1	
9	R565	CR/RK73H/ERJ/MCRF302 RES-MET RN -C	3235003F0302	1	
10	R17	CR/RK73H/ERJ/MCRF331 RES-MET RN -C	3235003F0331	1	
11	R568	CR/RK73H/ERJ/MCRF363 RES-MET RN -C	3235003F0363	1	
12	R202	CR/RK73H/ERJ/MCRF622 RES-MET RN -C	3235003F0622	1	
13	R18	CR/RK73H/ERJ/MCRF911 RES-MET RN -C	3235003F0911	1	
14	R538	CR/RK73K/ERJ/MCRJ100 RES-MET RN -C	3235003J0100	1	
15	R21, R25, R35, R141, R505	CR/RK73K/ERJ/MCRJ101 RES-MET RN -C	3235003J0101	5	
16	R97, R98, R101, R504, R506, R515, R517, R522, R531, R564, R567	CR/RK73K/ERJ/MCRJ102 RES-MET RN -C	3235003J0102	11	
17	R41, R80, R201, R521, R523, R561	CR/RK73K/ERJ/MCRJ103 RES-MET RN -C	3235003J0103	6	

**M7E-2-PCB Assy. (Main Control Board) OP14i
(41249202-3/9)**

REF. NO.	SYMBOL	TYPE/NAME	PART NO.	Q'TY	REMARKS
18	R8, R53	CR/RK73K/ERJ/MCRJ105 RES-MET RN -C	3235003J0105	2	
19	R88, R92	CR/RK73K/ERJ/MCRJ112 RES-MET RN -C	3235003J0112	2	
20	R37, R47, R83, R90, R99	CR/RK73K/ERJ/MCRJ122 RES-MET RN -C	3235003J0122	5	
21	R23, R24, R26, R27, R65, R79, R81	CR/RK73K/ERJ/MCRJ151 RES-MET RN -C	3235003J0151	7	
22	R501	CR/RK73K/ERJ/MCRJ152 RES-MET RN -C	3235003J0152	1	
23	R533	CR/RK73K/ERJ/MCRJ153 RES-MET RN -C	3235003J0153	1	
24					
25	R19, R20, R56~R63	CR/RK73K/ERJ/MCRJ202 RES-MET RN -C	3235003J0202	10	
26	R105~R136, R507~R514	CR/RK73K/ERJ/MCRJ220 RES-MET RN -C	3235003J0220	40	
27	R42, R48	CR/RK73K/ERJ/MCRJ221 RES-MET RN -C	3235003J0221	2	
28	R205, R559	CR/RK73K/ERJ/MCRJ223 RES-MET RN -C	3235003J0223	2	
29	R22, R29, R78	CR/RK73K/ERJ/MCRJ241 RES-MET RN -C	3235003J0241	3	
30	R49	CR/RK73K/ERJ/MCRJ242 RES-MET RN -C	3235003J0242	1	
31	R532	CR/RK73K/ERJ/MCRJ270 RES-MET RN -C	3235003J0270	1	
32					
33	R75, R76	CR/RK73K/ERJ/MCRJ331 RES-MET RN -C	3235003J0331	2	
34	R77, R516, R518, R519	CR/RK73K/ERJ/MCRJ332 RES-MET RN -C	3235003J0332	4	

**M7E-2-PCB Assy. (Main Control Board) OP14i
(41249202-4/9)**

REF. NO.	SYMBOL	TYPE/NAME	PART NO.	Q'TY	REMARKS
35	R46, R545	CR/RK73K/ERJ/MCRJ390 RES-MET RN -C	3235003J0390	2	
36	R524	CR/RK73K/ERJ/MCRJ392 RES-MET RN -C	3235003J0392	1	
37	R91	CR/RK73K/ERJ/MCRJ471 RES-MET RN -C	3235003J0471	1	
38	R36, R38, R39, R67~ R70, R74, R527	CR/RK73K/ERJ/MCRJ472 RES-MET RN -C	3235003J0472	9	
39	R31, R33, R40, R45, R50, R87, R89, R93, R94, R100, R546, R549, R552, R553	CR/RK73K/ERJ/MCRJ510 RES-MET RN -C	3235003J0510	14	
40	R51	CR/RK73K/ERJ/MCRJ511 RES-MET RN -C	3235003J0511	1	
41	R140, R526	CR/RK73K/ERJ/MCRJ512 RES-MET RN -C	3235003J0512	2	
42	R534	CR/RK73K/ERJ/MCRJ560 RES-MET RN -C	3235003J0560	1	
43	R84, R86	CR/RK73K/ERJ/MCRJ621 RES-MET RN -C	3235003J0621	2	
44	R72, R73	CR/RK73K/ERJ/MCRJ820 RES-MET RN -C	3235003J0820	2	
45	R85	CR/RK73K/ERJ/MCRJ821 RES-MET RN -C	3235003J0821	1	
46					
47	R13, R14	RM73B2A103J RES RN (CP)	323A5003J0103	2	
48	R7, R9	RM73B2A912J RES RN (CP)	323A5003J0912	2	
49	R6, R12	RM73B2B220J RES RN (CP)	323A5015J0220	2	
50	R16	ERJ-12YJ620 RES RN (CP)	323A5019J0620	1	
51	R15	ERJ-12YJ750 RES RN (CP)	323A5019J0750	1	

**M7E-2-PCB Assy. (Main Control Board) OP14i
(41249202-5/9)**

REF. NO.	SYMBOL	TYPE/NAME	PART NO.	Q'TY	REMARKS
52	R1~R4	MSF1/2B0.51ohmJ RES RS	324A1001J0518	4	
53	R5, R10, R11, R43, R52, R54, R55, R102~R104, R525, R528~R530, R535, R536, R542~R544, R5547, R548, R551, R554, R555	CR/RK73Z/ERJ/MCRJ-0V RES-Zero ohm -C	3255003P0001	24	
54	RM1~RM8	CN1J4/EXBV8V10ohmJ RES-Block -C	3345003J0100	8	
55	RM21	CN1J4/EXBV8V22ohmJ RES-Block -C	3345003J0220	1	
56	RM22, RM23	CN1J4/EXBV8V330ohmJ RES-Block -C	3345003J0331	2	
57	RM9~RM14, RM20	CN1J4/EXBV8V47ohmJ RES-Block -C	3345003J0470	7	
58	RM16, RM18, RM19	MNR14ABJ332 RES-Block -C	334A5012J0332	3	
59	RM15	MNR14ABJ680 RES-Block -C	334A5012J0680	1	
60	R502, R503	BLM11B471SB-PT CORE -C	1055001C0003	2	
61	C15, C17, C32	BLM11B252SD-PT CORE -C	1055001C0004	3	
62	C536~C538, C547	GRM/UMK/MCH/101CH CAP-Ceramic -C	3033003C0101	4	
63	C529	GRM/UMK/MCH/220CH CAP-Ceramic -C	3033003C0220	1	
64	C530	GRM/UMK/MCH/330CH CAP-Ceramic -C	3033003C0330	1	
65	C541	GRM/UMK/MCH/470CH CAP-Ceramic -C	3033003C0470	1	
66	C533~C535, C542	GRM/UMK/MCH/680CH CAP-Ceramic -C	3033003C0680	4	
67	C18, C22~C25, C502, C504, C513, C563, C566, R215	GRM/UMK/MCH/102B 50V CAP-Ceramic -C	3036003K0102	11	

**M7E-2-PCB Assy. (Main Control Board) OP14i
(41249202-6/9)**

REF. NO.	SYMBOL	TYPE/NAME	PART NO.	Q'TY	REMARKS
68	C517, C523, C526, C565	GRM/UMK/MCH/222B 50V CAP-Ceramic -C	3036003K0222	4	
69	C501	GRM/UMK/MCH/561B 50V CAP-Ceramic -C	3036003K0561	1	
70	C21, C509, C519, C525	GRM/UMK/MCH/103Z 50V CAP-Ceramic -C	3036003Z0103	4	
71	C31, C33, C100, C503, C505-C508, C514, C520, C528, C531, C532, C539, C540, C543-C546, C548, C551-C557, C562, C564, C601	GRM/ TMK/ MCH/ 104Z 25V CAP-Ceramic -C	3036003Z0104	30	
72	C20, C30, C511, C521	GRM/LMK/MCH/105Z 10V CAP-Ceramic -C	3036003Z0105	4	
73	C101, C560	CC2012SL1H681J 50V CAP-CC (CP)	303A3007K0681	2	
74	C28	CK2012B1H102K 50V CAP-CK (CP)	303A6008K3102	1	
75	C29	CK2012B1H103K 50V CAP-CK (CP)	303A6008K3103	1	
76	C1	10MS5-10M 10V CAP-CE 10μF	304A1046A1100	1	
77	C2	10MS5-22M 10V CAP-CE 22μF	304A1046A1220	1	
78	C5, C6	10MS5-68M 10V CAP-CE 68μF	304A1046A1680	2	
79	C8, C10-C12	6.3MS5-100M 6.3V CAP-CE 100μF	304A1046J0101	4	
80	C13	UVS1A332MHA 10V CAP-CE 3300μF	304A1137A1332	1	
81	C14	KMG50VB-220M 50V CAP-CE 220μF	304A1164H1221	1	
82					
83	IC11	74LS07FP Digital IC-BIP (SO)	700A0503N0007	1	

**M7E-2-PCB Assy. (Main Control Board) OP14i
(41249202-7/9)**

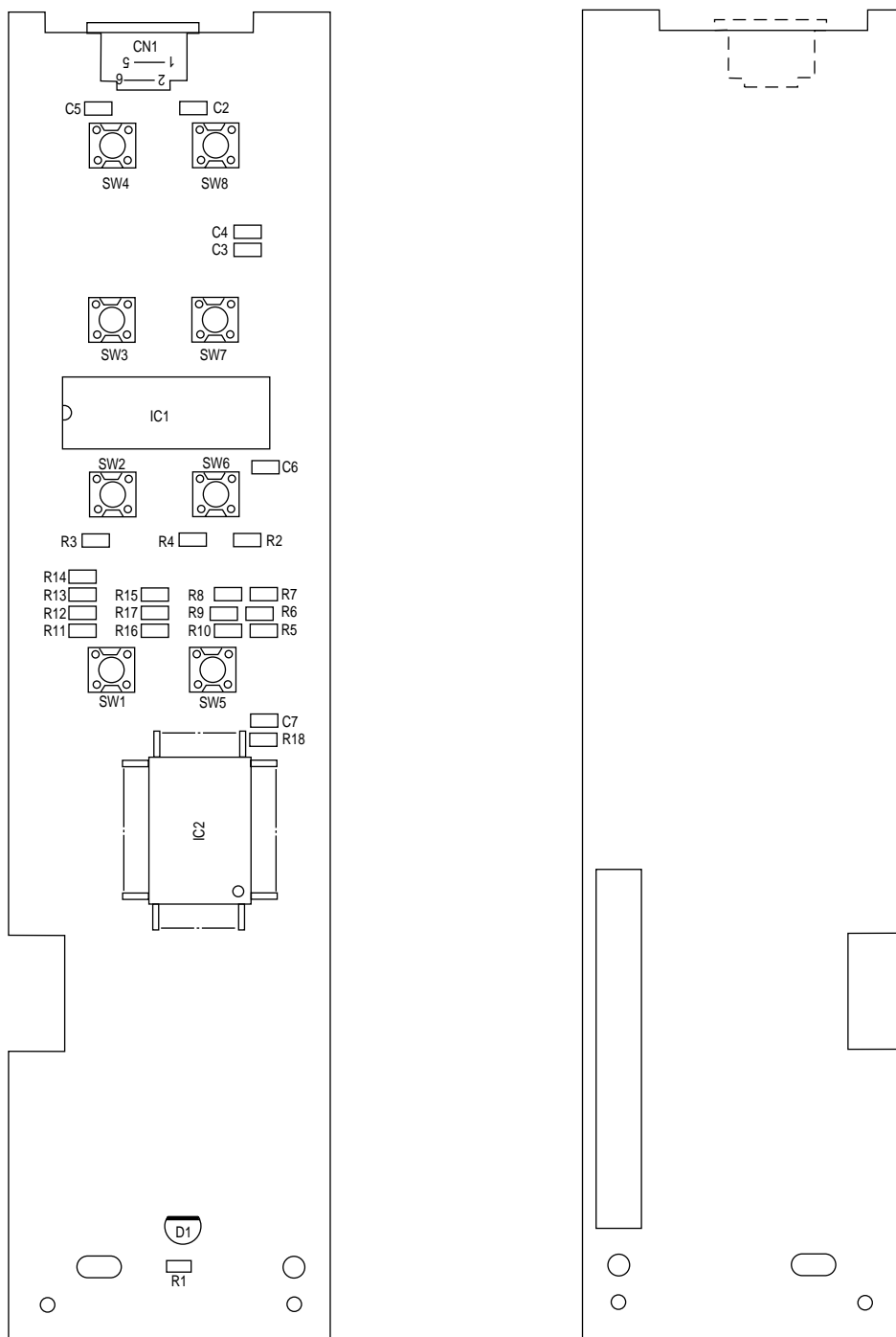
REF. NO.	SYMBOL	TYPE/NAME	PART NO.	Q'TY	REMARKS
84	IC13	TL431CLP/NJM431L-T3 Analog-BILPLIN -P	7200903M9001	1	
85	IC16	PST592D-2 BILPLIN-IC	720A4037M0015	1	
86	IC4, IC5, IC14, IC15	OR-Memory-MOSDRAM -S	41087701	4	
87	IC12	93C86-MN6 Memory-MOSEEPR -S	8164303N0001	1	
88	IC2	MX23C6410MC-10-209 Memory-MOSMROM -S	8176621N0028	1	
89	IC3	MX23C6410MC-10-202 Memory-MOSMROM -S	8176621N0029	1	
90	IC1	MHM2029-008K-52 CPU-MOS -F	8510440N0008	1	
91	IC7	ML60851DGA CPU-Interface -F	8550024N0002	1	
92	IC6	IMISM530AYBD-1 CPU-Interface -B	8550084N0002	1	
93	IC20, IC21	A3955SLBTR Analog-BIPLIN -B	7201826N0002	2	
94	IC22	MTD2007F-4072 Analog-BILPLIN -B	7201816N0001	1	
95					
96	EM9	ZJSC-R10-470-TA COMP PAR-LC -P	3421000P0470	1	
97	EM11	ZJSC-R47-391-TA COMP PAR-LC -P	3421000P1391	1	
98	EM4	ZJSR5101-682-T COMP PAR-LC -P	3421004P1682	1	
99	EM1, EM2	ZJSC-2R2-101-TA COMP PAR-LC -P	3421000P2101	2	
100	S27	SA-8506185/ZBF253 Filter-PW line -N	3771003P0001	1	

**M7E-2-PCB Assy. (Main Control Board) OP14i
(41249202-8/9)**

REF. NO.	SYMBOL	TYPE/NAME	PART NO.	Q'TY	REMARKS
101	L1	NL453232-150J Coil-H (CP)	353A4005K0150	1	
102	Q1, Q501	A1344/UN2111/DTA114K PNP-HF-TR (CP)	600A1003N0003	2	
103					
104	TR1, TR2	2SA1338/2SB1198KT TR-PNP/H -C	6001003N0002	2	
105	TR3, TR4, TR10	DTC123YK/YKAT146 TR-NPN/H -C	6021003N0004	3	
106	TR5	2SD1623S TR-NPN-LF (CP)	603A1132N0001S	1	
107					
108	CENT	57RE-40360-830B-D29 Connector-SQR -	2201001P0360	1	
109	ENVELOPE	MD-S8000B-70 Connector-RND -	2211001P0080	1	
110	HEAD2	SLD12S-2 Connector-PCB -	2243001P0120	1	
111	HEAD1	SLD14S-2 Connector-PCB -	2243001P0140	1	
112	USB	USB-4R-D14T-1 Connector-PCB -	2243023P0040	1	
113	PANEL	06FE-BT-VK-N Connector-PCB -	2244102P0060	1	
114	POWER	128A-026P2B-L14N Connector-PCB -	224A3222P0261	1	
115	DM	00-8263-0412-00-000 Connector-PCB -	224A3357P0040	1	
116	RM	00-8263-0412-00-003 Connector-PCB -	224A3357P0041	1	
117	OPTION	PQ100A2FA Connector-PCB -	224A3516P1000	1	

**M7E-2-PCB Assy. (Main Control Board) OP14i
(41249202-9/9)**

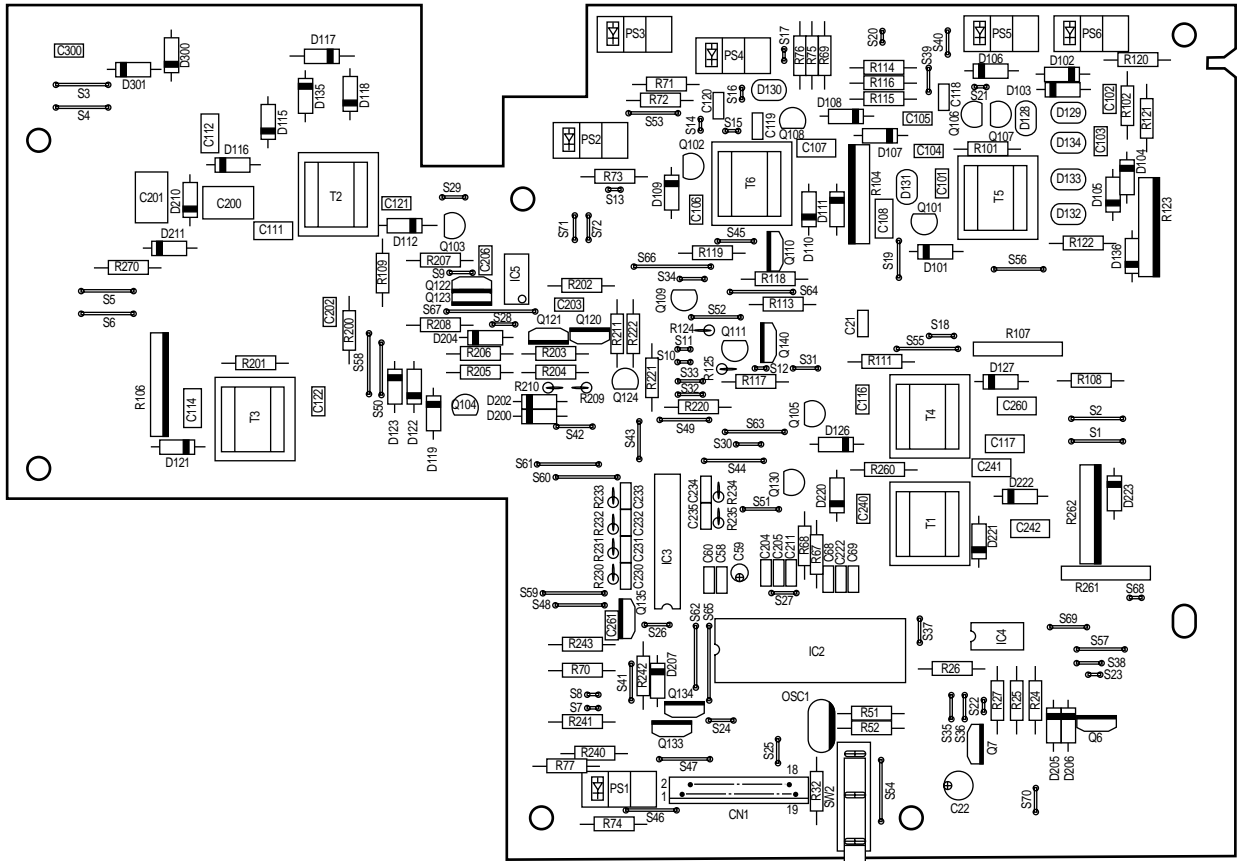
REF. NO.	SYMBOL	TYPE/NAME	PART NO.	Q'TY	REMARKS
118	FAN	S3B-XH-A Connector-PCB -	224A3528P0030	1	
119	2NDTRAY	B8B-PH-K-S Connector-PCB -	224A3529P0080	1	
120	OSC1	CST24.88MXWOH1-TF01 OSC-Ceramic -P	3811004B0005	1	
121	OSC2	CSTCW4800MX41016-T OSC-Ceramic -C	3815000C0002	1	
122					
123	TH1	MiniSMDC100-02 FUSE -C	5400500L0102	1	
124	FU1	251-002 FUSE -	540A2208S1202	1	
125					
126	S20~S22, S24~S26, S29, PS3~PS5	SHORT WIRE (U TYPE) 0.65 P=2.5	5KH-31036-25	10	
127	EM3, S1	SHORT WIRE (U TYPE) 0.65 P=5.0	5KH-31036-50	2	
128	EB1, EB2	POWER BAR L=30.48	3LH-31313-158	2	
129	EB3, EB4	POWER BAR L=60.96 P=15.24 N=5	3LH-31313-4	2	



**OLCC-3-Printed Circuit Board (Operator Panel Board)
(4YA4130-1001G3-1/2)**

OLCC-3-Printed Circuit Board (Operator Panel Board)
(4YA4130-1001G3-2/2)

REF. NO.	SYMBOL	TYPE/NAME	PART NO.	Q'TY	REMARKS
1	D1	SEL6410G/ LED	6500003M0003	1	
2					
3	C2~C5	CC2012CH1H101J CC Capacitor(CP)	50V 303A3007C0101	4	
4	C6, C7	CK2012F1E104Z CK Capacitor (CP)	25V 303A6008Z2104	2	
5					
6	R1	RM73B2A181J RN Resistor (CP)	323A5003J0181	1	
7	R2~R4	RM73B2A201J RN Resistor (CP)	323A5003J0201	3	
8	R5	RM73B2A682J RN Resistor (CP)	323A5003J0682	1	
9	R6~R10	RM73B2A752J RN Resistor (CP)	323A5003J0752	5	
10	R11~R17	RM73B2A103J RN Resistor (CP)	323A5003J0103	7	
11	R18	RM73B2A913F RN Resistor (CP)	323A5003F0913	1	
12					
13	IC1	BU6152S MOS Digital IC	702A4733M0002	1	
14	IC2	HD44780UB49FS CPU-INF-IC (FP)	8550421N0004	1	
15					
16	SW1~SW8	SOR-113HS Push-button Switch	205A1165P1000	8	
17	CN1	06FE-ST-VK-N PC Connector	2244101P0060	1	



HV1-PCB Assy. (Power Supply Board)
(41228501-1/6)

HV1-PCB Assy. (Power Supply Board)
(41228501-2/6)

REF. NO.	SYMBOL	TYPE/NAME	PART NO.	Q'TY	REMARKS
1	D101~D104, D106~ D109, D112, D119, D126, D220	EU02A/RL105F-F D-Rectifying -Q	6100003M0001	12	
2	D110, D111, D115, D116, D121, D127, D210, D211, D221~D223	OR-DHM/ESJA/SHV-06	40681301	11	
3	D122, D123, D200, D202, D205, D206	1S953/1S2075K/1S2473 D-Signal -	611A0003L0001	6	
4	D105	1ZB270-Y/Z (TPA2) D-Zener -Q	6132003M0001	1	
5	D136	RD12E-B2 D-Zener -	613A1231L0202B	1	
6	D204, D207	RD2.7E-B D-Zener -	613A1231L0042	2	
7	D300, D301	RD200E-B D-Zener -	613A1231L0522	2	
8	D117, D118, D135	1ZB390 D-Zener -	613A2258M0350	3	
9	D129	ERZV05D271 SEMICO-Vari -	6320229M0004	1	
10	D131	ERZV05D391 SEMICO-Vari	6320229M0003	1	
11	D128, D130, D132~ D134	ERZ/JVR-05N471 SEMICO-Vari -	6320003M0001	5	
12					
13	R209, R210	RD16UJ1Kohm RES-Carbon flm -	3213420J0102	2	
14	R124, R125	RD16UJ1.5Kohm RES-Carbon flm -	3213420J0152	2	
15	R234	RD16UJ330ohm RES-Carbon flm -N	3213420J0331	1	
16	R230~R233, R235	RD16UJ510ohm RES-Carbon flm -N	3213420J0511	5	
17	R114	RD1/4Y1KohmJ RES RD -	321A1421J0102	1	

HV1-PCB Assy. (Power Supply Board)
(41228501-3/6)

REF. NO.	SYMBOL	TYPE/NAME	PART NO.	Q'TY	REMARKS
18	R69~R71, R74, R113, R117, R200, R220, R221	RD1/4Y10KohmJ RES RN -	321A1421J0103	9	
19	R25, R270	RD1/4Y100KohmJ RES RN -	321A1421J0104	2	
20	R51, R102, R108, R120~R122	RD1/4Y1MohmJ RES RN -	321A1421J0105	6	
21	R75~R77	RD1/4Y110ohmJ RES RN -	321A1421J0111	3	
22	R52	RD1/4Y150ohmJ RES RN -	321A1421J0151	1	
23	R24	RD1/4Y1.5KohmJ RES RN -	321A1421J0152	1	
24	R72, R73	RD1/4Y33KohmJ RES RN -	321A1421J0333	2	
25	R116, R119	RD1/4Y330ohmJ RES RN -	321A1421J0331	2	
26	R32, R67, R68, R109, R111, R115, R118, R240~R243, R260	RD1/4Y5.1KohmJ RES RN -	321A1421J0512	12	
27	R101	RD1/4Y51KohmJ RES RN -	321A1421J0513	1	
28	R26, R203, R204	RNL1/4C3F1.0Kohm RES RN -	323A1222F0102	3	
29	R211	RNL1/4C3F10Kohm RES RN -	323A1222F0103	1	
30	R207, R208	RNL1/4C3F1.2Kohm RES RN -	323A1222F0122	2	
31	R27	RNL1/4C3F1.8Kohm RES RN -	323A1222F0182	1	
32	R201	RNL1/4C3F200Kohm RES RN -	323A1222F0204	1	
33	R202	RNL1/4C3F240Kohm RES RN -	323A1222F0244	1	
34	R205, R206	RNL1/4C3F300ohm RES RN -	323A1222F0301	2	

HV1-PCB Assy. (Power Supply Board)
(41228501-4/6)

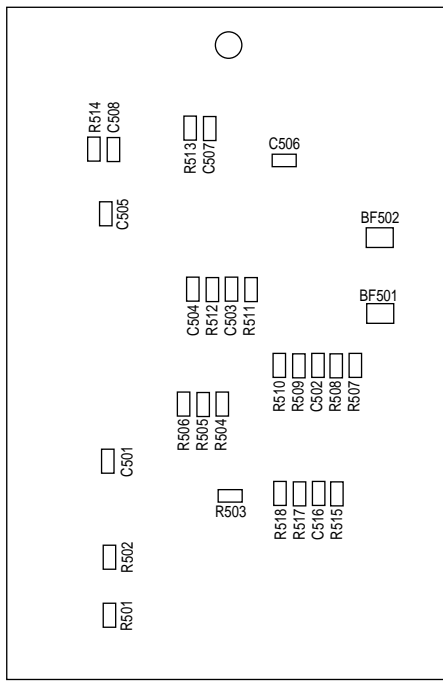
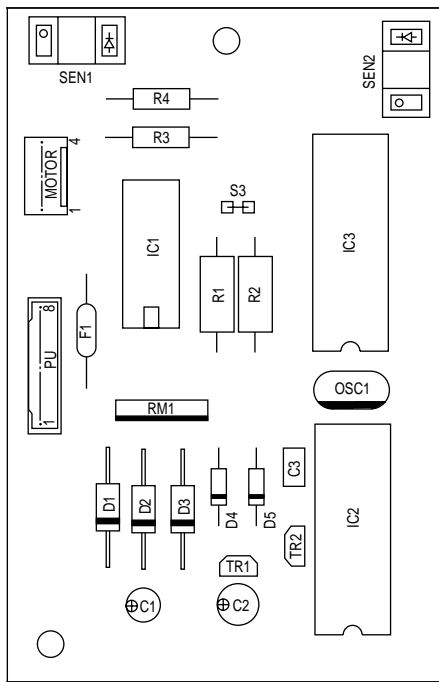
REF. NO.	SYMBOL	TYPE/NAME	PART NO.	Q'TY	REMARKS
35	R222	RNL1/4C3F3.9Kohm RES RN -	323A1222F0392	1	
36	R104, R123	MRH30MK/HV-22-30MK RES-MET solid -	3263103K0306	2	
37	R107, R261	MRG9382 RES-BLOCK -	3343401Q0001	2	
38	R106	MRH-200MJ RES-MET solid -	3263121J0207	1	
39	R262	MRH-50MK RES-MET solid -	3263122K0506	1	
40					
41	C104, C105	HNY5P/DE07-1KV-471K CAP-Ceramic -P	3024003K7471	2	
42	C102, C103	HLY5P/DD05-500V-471K CAP-Ceramic -P	3024003K6471	2	
43	C107, C108, C111, C112, C114, C117, C241, C242, C260	DE07/HCYB3F471 CAP-Ceramic -Z	3024203K2471	9	
44	C200, C201	DE1010B471K6K CAP-CK 470pF 6KV	302A4028K4471	2	
45	C202, C206	MLRD/CK92C1H103MS CAP-Ceramic -P	3034003M3103	2	
46	C21, C58, C60, C68, C69, C118-C120, C204, C205, C222, C261	MLRD/FK16Y5V1H104Z CAP-Ceramic -N	3034003Z3104	12	
47	C203, C211, C230-C235	MLRD/FK16Y5V1H473Z CAP-Ceramic -N	3034003Z3473	8	
48	C22	UVX/SME-63V-10µF CAP-Alum -P 63V	3041003J1100	1	
49	C59	UMA/50MS5-1M CAP-Alum -P 50V 1µF	3041103H1109	1	
50	C101, C106, C116, C122, C240	MY2A/CQMF/ECQP-103J CAP-Plast film -P	3064003J2103	5	
51	C121	CQMF/MY2A/ECQP-472J CAP-Plast film -P	3064003J2472	1	

HV1-PCB Assy. (Power Supply Board)
(41228501-5/6)

REF. NO.	SYMBOL	TYPE/NAME	PART NO.	Q'TY	REMARKS
52	C300	TLS/DD05-500V-390J CAP-Ceramic -P	3021003K6390	1	
53					
54	Q120~Q123, Q135	2SA608SP/2SA933S PNP-HF-TR	600A1003M0001	5	
55	Q6, Q7, Q110, Q133, Q134, Q140	DTD114ESTP TR-NPN/H-FREQ -P	6021035M0001	6	
56	Q109, Q111	2SC1740S TR-NPN-HF	602A1035M0002	2	
57	Q124	2SC1815Y/2SC5343Y-T TR-NPN/H -P	6021003M0001	1	
58	Q101~Q105, Q130	2SC2235-Y TR-NPN-HF	602A1125M0039Y	6	
59	Q107	CR04AM-12 THY-Gate OFF	620A0022M0008	1	
60	Q106, Q108	BCR1AM-12/MAC97-008 THY-Gate SW	622A0003M0001	2	
61					
62	IC2	LC26023A-NA5 Digital IC-MOS -	7024633M2003	1	
63	IC3	74HC244P Digital IC-MOS -	702A1703M0244	1	
64	IC4, C5	358P Analog-BIPLIN-IC -	720A0000M0033	2	
65					
66	OSC1	CST10.0MTW OSC-Ceramic -	381A1045B0014	1	
67	PS1~PS6	RPI-574/SG-206 PHOTO-Coupler -	652A0103M0002	6	
68					

HV1-PCB Assy. (Power Supply Board)
(41228501-6/6)

REF. NO.	SYMBOL	TYPE/NAME	PART NO.	Q'TY	REMARKS
69	SW2	SM-05S-04A-9 Switch-Micro -	207A2020P0001	1	
70	CN1	19FE-BT-VK-N Connector-PCB -	2244102P0190	1	
71					
72	T1~T6	HIGH VOLTAGE TRANSFORMER	4YB4049-7078P003	6	
73					
74	S7~S17, S20~S23, S68	SHORT WIRE	TA-0.6	16	
75	S18, S24~S40, S70~S72	SHORT WIRE	TA-0.6	21	
76	S1~S6, S19, S41~S43, S45, S51, S69	SHORT WIRE	TA-0.6	13	
77	S46~S50, S52, S53, S56, S57	SHORT WIRE	TA-0.6	9	
78	S44, S54, S55, S58~S64	SHORT WIRE	TA-0.6	10	
79	S65, S66	SHORT WIRE	TA-0.6	2	
80	S67	SHORT WIRE	TA-0.6	1	



TQSB-2-Printed Circuit Board (High Capacity Second Paper Feeder Board) Rev. 1 (4YA4046-1651G2-1/4)

**TQSB-2-Printed Circuit Board (High Capacity Second Paper Feeder Board) Rev. 1
(4YA4046-1651G2-2/4)**

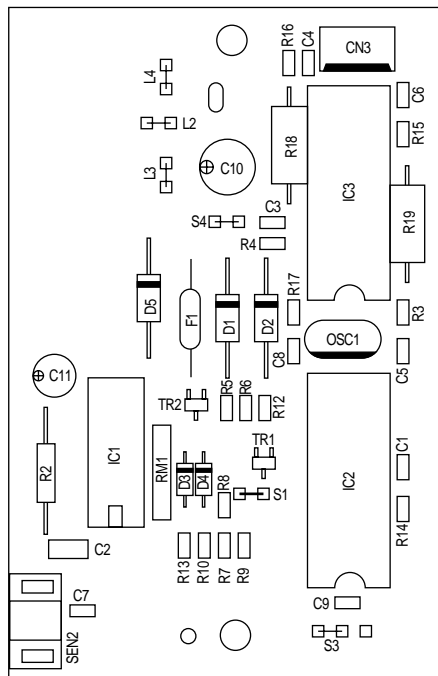
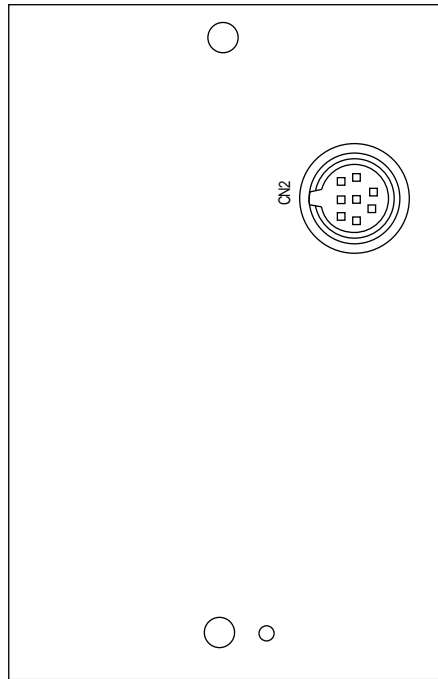
REF. NO.	SYMBOL	TYPE/NAME	PART NO.	Q'TY	REMARKS
1					
2					
3	D1~D3	EM01Z/SM1XN02/DSM1D2 Rectifier D1	610A0003M0001	3	
4	D5	RD3.9E-B Zener-D1	613A1231L0082	1	
5	D4	1S953/1S2075K/1S2473 Signal D1	611A0003L0001	1	
6					
7	R513, R514	RM73B2A473J RN Resistor (CP)	323A5003J0473	2	
8	R1, R2	MSF1/2B0.51ΩJ RS Resistor	324A1001J0518	2	
9	R503, R511, R512	RM73B2A102J RN Resistor (CP)	323A5003J0102	3	
10	R3, R4	RD1/4Y180ΩJ RD Resistor	321A1421J0181	2	
11	R501, R502, R508~R510, R515~R518	RM73B2A103J RN Resistor (CP)	323A5003J0103	9	
12	R506	RM73B2A123J RN Resistor (CP)	323A5003J0123	1	
13	R505	RM73B2A561J RN Resistor (CP)	323A5003J0561	1	
14	R507	RM73B2A153J RN Resistor (CP)	323A5003J0153	1	
15	R504	RM73B2A271J RN Resistor (CP)	323A5003J0271	1	
16					
17	RM1	MRM-4-512JA Block Resistor	334A3266J0512	1	

**TQSB-2-Printed Circuit Board (High Capacity Second Paper Feeder Board) Rev. 1
(4YA4046-1651G2-3/4)**

REF. NO.	SYMBOL	TYPE/NAME	PART NO.	Q'TY	REMARKS
18					
19	C1	SXE50VB-10-4D-FC CE Capacitor	50V 10 μ F	304A1008H1100	1
20	C2	10MS5-33M CE Capacitor	10V 33 μ F	304A1046A1330	1
21	C3	RPE122-127E334M50 CK Capacitor	0.33 μ F	303A4116M3334	1
22	C503, C504, C507, C508	CK2012B1H102K CK Capacitor (CP)	50V	303A6008K3102	4
23	C502	CC2012SL1H471J CC Capacitor (CP)	50V	303A3007K0471	1
24	C501, C505, C506	CK2012F1E104Z CK Capacitor (CP)	25V	303A6008Z2104	3
25					
26	IC3	M54646AP BIP Linear IC		720A1822M0002	1
27	IC1	74LS38P BIP Digital IC		700A0503M0038	1
28	IC2	LC6543N-4E07 MOS-CPU (ROM)		853A0036M0003	1
29					
30	BF501, BF502	CB30-322513 Beads Core (CP)		105A5001C1001	2
31					
32	SEN1, SEN2	SG-206 Photocoupler		652A0114M0003	2
33					
34	TR1, TR2	DTA114S PNP-HF-TR		600A1035M0005	2

**TQSB-2-Printed Circuit Board (High Capacity Second Paper Feeder Board) Rev. 1
(4YA4046-1651G2-4/4)**

REF. NO.	SYMBOL	TYPE/NAME	PART NO.	Q'TY	REMARKS
35	OSC1	CST4.00MGW Ceramic Oscillator	381A1025B0002	1	
36					
37					
38					
39	F1	251-001 Fuse	540A2208S1102	1	
40					
41	MOTOR	00-8263-0412-00-000 PC Connector	224A3357P0040	1	
42	PU	IL-S-8P-S2T2-EF PC Connector	224A3052P0080	1	
43					
44	S3	Short Wire (U type) 0.65 P=2.5	5KH-31036-25	1	



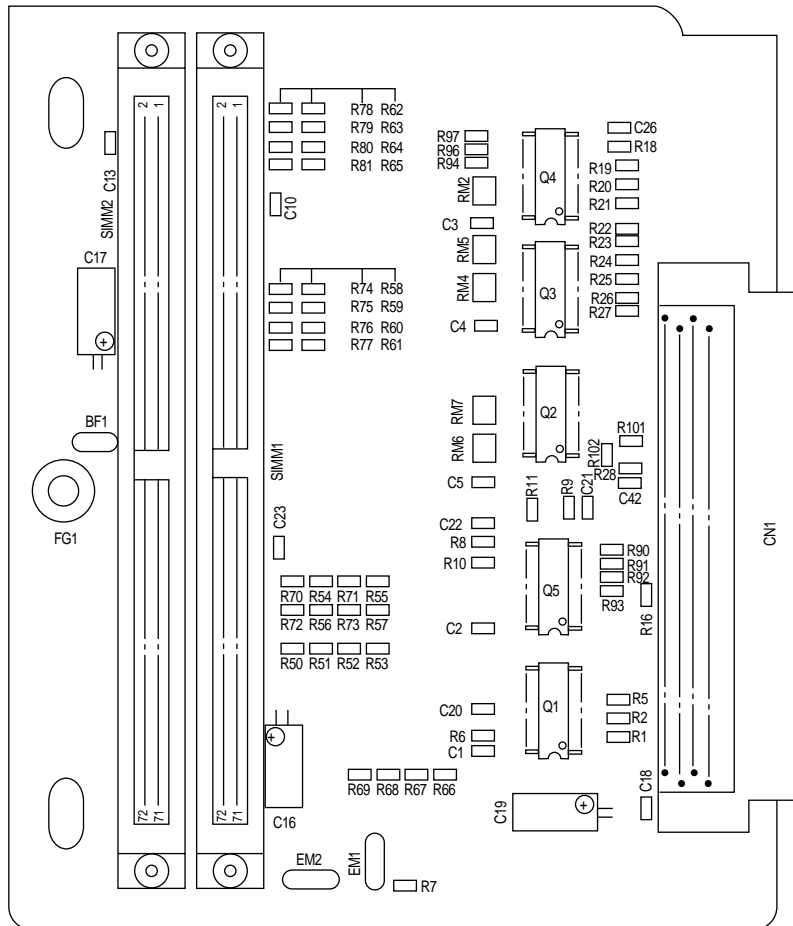
**OLEV-Printed Circuit Board (Multi Purpose Feeder Board) Rev. 4
(4YA4121-1014G11-1/3)**

**OLEV-Printed Circuit Board (Multi Purpose Feeder Board) Rev. 4
(4YA4121-1014G11-2/3)**

REF. NO.	SYMBOL	TYPE/NAME	PART NO.	Q'TY	REMARKS
1					
2	D1, D2, D5	EM01Z/SM1XN02/DSM1D2 Rectifier Diode	610A0003M0001	3	
3	D4	RD3.9E-B Zener Diode	613A1231L0082	1	
4	D3	1S953/1S2075K/1S2473 Signal Diode	611A0003L0001	1	
5					
6	R15, R16	RM73B2A473J RN Resistor (CP)	323A5003J0473	2	
7	R18, R19	MSF1/2B0.51ΩJ RS Resistor	324A1001J0518	2	
8	R3-R6	RM73B2A102J RN Resistor (CP)	323A5003J0102	4	
9	R2	RD1/4Y180ΩJ RD Resistor	321A1421J0181	1	
10	R7-R10, R14	RM73B2A103J RN Resistor (CP)	323A5003J0103	5	
11	R12	RM73B2A123J RN Resistor (CP)	323A5003J0123	1	
12	R17	RM73B2A561J RN Resistor (CP)	323A5003J0561	1	
13	R13	RM73B2A153J RN Resistor (CP)	323A5003J0153	1	
14	RM1	MRM-4-512JA Block Resistor (CP)	334A3266J0512	1	
15					
16	C10	50MS5-10M CE Capacitor	304A1046H1100	1	
17	C11	10MS5-33M CE Capacitor	10V 33μF 304A1046A1330	1	

**OLEV-Printed Circuit Board (Multi Purpose Feeder Board) Rev. 4
(4YA4121-1014G11-3/3)**

REF. NO.	SYMBOL	TYPE/NAME	PART NO.	Q'TY	REMARKS
18	C2	RPE122-127E334M50 CK Capacitor	0.33μF 303A4116M3334	1	
19	C1	CC2012SL1H471J CC Capacitor (CP)	50V 303A3007K0471	1	
20	C3~C6	CK2012B1H102K CK Capacitor (CP)	50V 303A6008K3102	4	
21	C7~C9	CK2012F1E104Z CK Capacitor (CP)	25V 303A6008Z2104	3	
22					
23	IC3	M54646AP BIP Linear IC	720A1822M0002	1	
24	IC1	74LS38P BIP Digital IC	700A0503M0038	1	
25	IC2	LC6543N-4B52 MOS-CPU (ROM)	853A0036M0002	1	
26					
27	SEN2	SG-205-B Photocoupler	652A0114M0001	1	
28	TR1, TR2	A1344/UN2111/DTA114K PNP-HF-TR (CP)	600A1003N0003	2	
29	OSC1	CST4.000MGW Ceramic Oscillator	381A1025B0002	1	
30					
31	S1, S3, S4, L2~L4	Short Wire (U type) 0.65 P=2.5	5KH-31036-25	6	
32	F1	251-001 Fuse	540A2208S1102	1	
33	CN2	TCS7698-01-201 Round-Shaped Connector	221A1622P0082	1	
34	CN3	00-8263-0412-00-000 PC Connector	224A3357P0040	1	



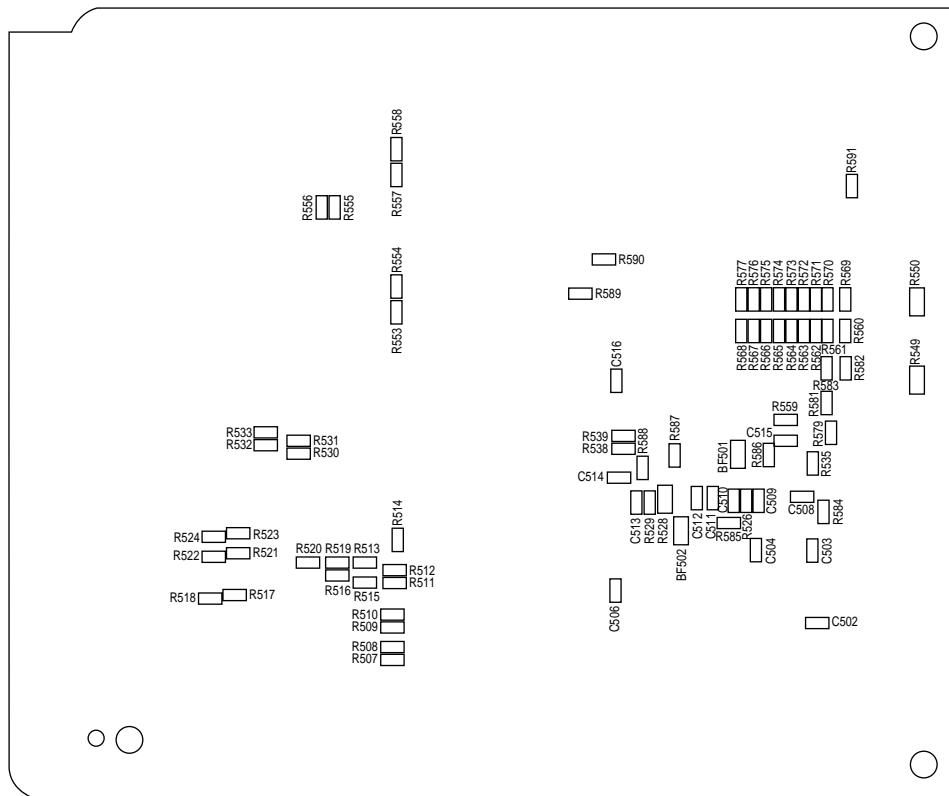
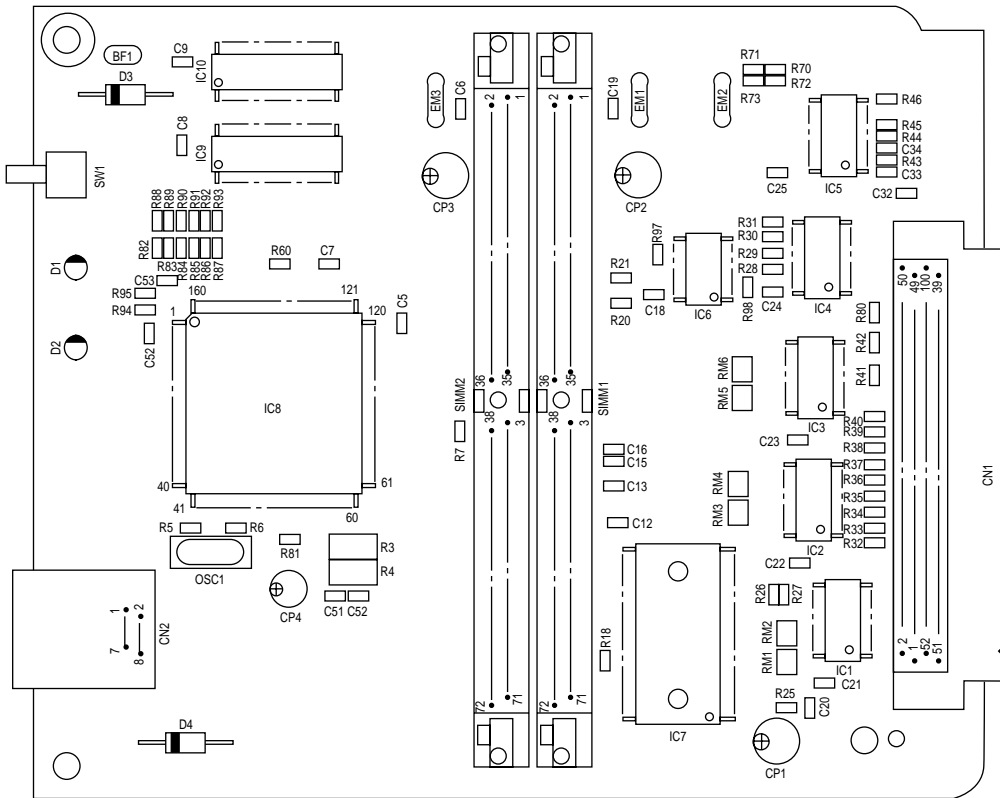
**MM7-PCB Assy. (Memory Expansion Board)
(41353301-1/3)**

**MM7-PCB Assy. (Memory Expansion Board)
(41353301-2/3)**

REF. NO.	SYMBOL	TYPE/NAME	PART NO.	Q'TY	REMARKS
1	R50~R81	CR/RK73K/ERJ/MCRJ330 RES-MET -C	3235003J0330	32	
2	R18~R28	CR/RK73K/ERJ/MCRJ470 RES-MET -C	3235003J0470	11	
3	R1, R2, R5, R6, R7	CR/RK73K/ERJ/MCRJ472 RES-MET -C	3235003J0472	5	
4	R90	CR/RK73K/ERJ/MCRJ560 RES-MET -C	3235003J0560	1	
5	R91~R94, R96, R97	CR/RK73K/ERJ/MCRJ680 RES-MET -C	3235003J0680	6	
6	R8~R11	CR/RK73K/ERJ/MCRJ820 RES-MET -C	3235003J0820	4	
7	R16, R101, R102	CR/RK73Z/ERJ/MCRJ-0V RES-zero ohm -C	3255003P0001	3	
8					
9	RM2, RM4~RM7	MNR14ABJ680 RES-Block (CP)	334A5012J0680	5	
10					
11	C22	GRM/UMK/MCH/100CH CAP-Ceramic -C	3033003C0100	1	
12	C20	GRM/UMK/MCH/101CH CAP-Ceramic -C	3033003C0101	1	
13	C23	GRM/UMK/MCH/220CH CAP-Ceramic -C	3033003C0220	1	
14	C21	GRM/UMK/MCH/330CH CAP-Ceramic -C	3033003C0330	1	
15	C26, C42	GRM/UMK/MCH/680CH CAP-Ceramic -C	3033003C0680	2	
16	C1~C5, C10, C13, C18	GRM/LMK/MCH/105Z CAP-Ceramic -C	10V 3036003Z0105	8	
17	C16, C17, C19	KME10VB-100 CAP-CE	10V 100µF 304A1115A1101	3	

**MM7-PCB Assy. (Memory Expansion Board)
(41353301-3/3)**

REF. NO.	SYMBOL	TYPE/NAME	PART NO.	Q'TY	REMARKS
18					
19	Q1~Q5	74ALS244AFP Digital IC-BIP (SO)	700A2503N0244	5	
20					
21	EM1, EM2	DSS306-OAE222Z Filter-EMI	342A1009P2222	2	
22					
23	CN1	2PQ100A2MA Connector-PCB -	2243515P1000	1	
24					
25	BF1	SA-8506185/ZBF253 Filter-PW line -N	3771003P0001	1	
26	SIMM1, SIMM2	52706-7220 Socket-SEMICON -	2451001P0720	2	



MN8-PCB Assy. (Network Interface Board)
(41352601-1/4)

**MN8-PCB Assy. (Network Interface Board)
(41352601-2/4)**

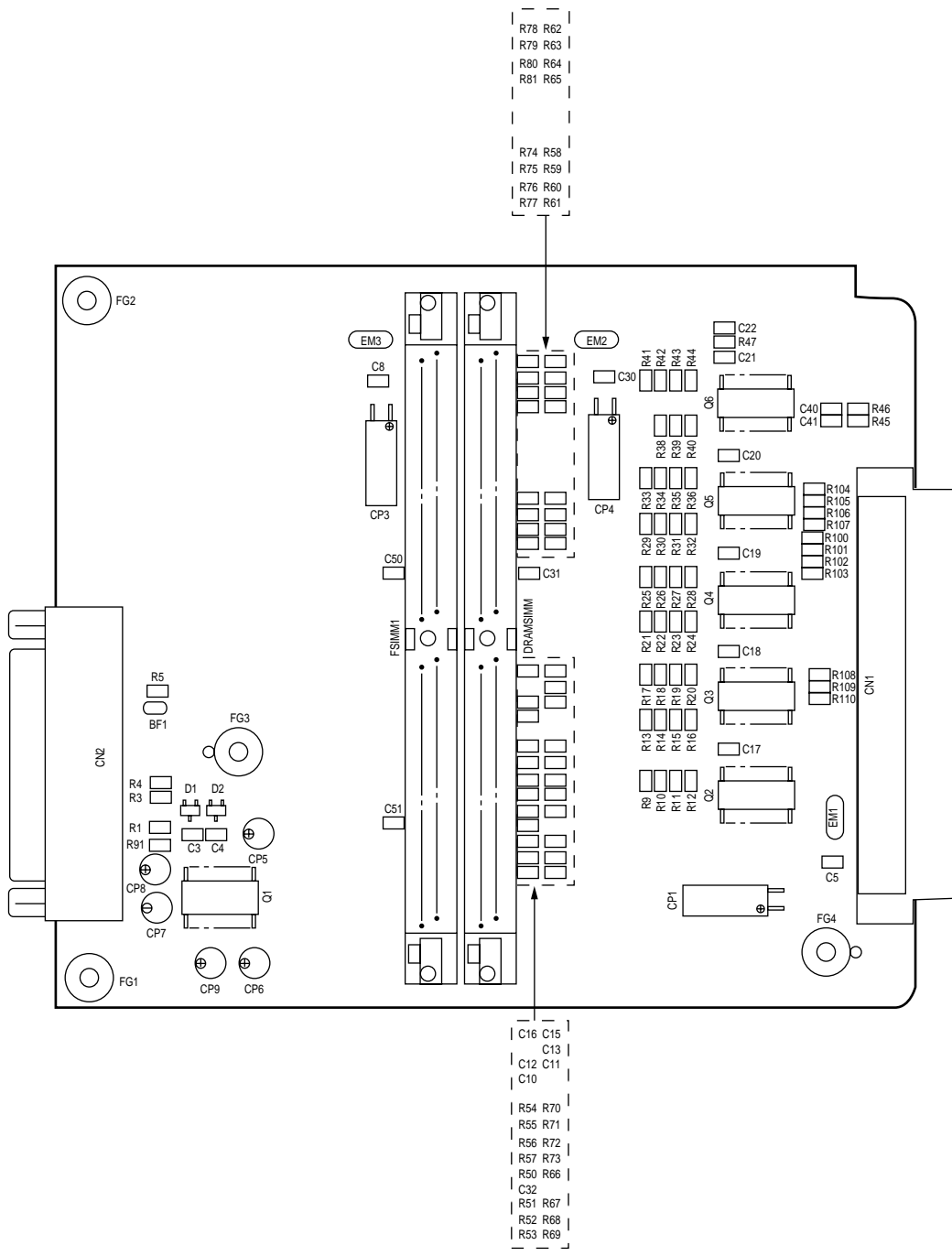
REF. NO.	SYMBOL	TYPE/NAME	PART NO.	Q'TY	REMARKS
1	R529	CR/RK73H/ERJ/MCRF561 RES-MET RN -C	3235003F0561	1	
2	R70	CR/RK73K/ERJ/MCRJ101 RES-MET RN -C	3235003J0101	1	
3	R60, R526, R559	CR/RK73K/ERJ/MCRJ103 RES-MET RN -C	3235003J0103	3	
4	R6	CR/RK73K/ERJ/MCRJ105 RES-MET RN -C	3235003J0105	1	
5	R32~R42	CR/RK73K/ERJ/MCRJ300 RES-MET RN -C	3235003J0300	11	
6	R20, R21, R26, R27, R507~R524, R530~R533, R553~R558	CR/RK73K/ERJ/MCRJ330 RES-MET RN -C	3235003J0330	32	
7	R5	CR/RK73K/ERJ/MCRJ471 RES-MET RN -C	3235003J0471	1	
8	R7, R18, R28~R31, R591	CR/RK73K/ERJ/MCRJ472 RES-MET RN -C	3235003J0472	7	
9	R538, R539	CR/RK73K/ERJ/MCRJ512 RES-MET RN -C	3235003J0512	2	
10	R71~R73	CR/RK73K/ERJ/MCRJ680 RES-MET RN -C	3235003J0680	3	
11	R43~R46, R82~R93, R97, R98, R535, R560~R577, R579, R581~583	CR/RK73K/ERJ/MCRJ820 RES-MET RN -C	3235003J0820	41	
12	R528	RK73H2BSTD1.4KohmF RES-MET RN -C	3235010F1401	1	
13	R81	RM73B2A101F RES RN (CP)	323A5003F0101	1	
14	R550	RM73B2A151J RES RN (CP)	323A5003J0151	1	
15	R549	RM73B2A221J RES RN (CP)	323A5003J0221	1	
16	BF501, BF502	2125JPW RN RESISTOR (CP)	323A5003P0001	2	
17	R3, R4	RM73B2H510J RES RN (CP)	323A5030J0510	2	

**MN8-PCB Assy. (Network Interface Board)
(41352601-3/4)**

REF. NO.	SYMBOL	TYPE/NAME	PART NO.	Q'TY	REMARKS
18	R25, R80, R94, R95, R584~R590	CR/RK73Z/ERJ/MCRJ-0V RES-zero ohm -C	3255003P0001	11	
19	RM1~RM6	MNR14ABJ680 RES-Block (CP)	334A5012J0680	6	
20					
21	C15, C503, 504	GRM/UMK/MCH/100CH CAP-Ceramic -C	3033003C0100	3	
22	C13, C50, C51	GRM/UMK/MCH/220CH CAP-Ceramic -C	3033003C0220	3	
23	C16	GRM/UMK/MCH/330CH CAP-Ceramic -C	3033003C0330	1	
24	C33, C34	GRM/UMK/MCH/680CH CAP-Ceramic -C	3033003C0680	2	
25	C7, C506, C512~C514	GRM/UMK/MCH/102B CAP-Ceramic -C	50V 3036003K0102	5	
26	C5, C8, C9, C12, C18, C53, C502, C508~C511, C515	GRM/TMK/MCH/104Z CAP-Ceramic -C	25V 3036003Z0104	12	
27	C6, C19~C25, C32, C52, C516	GRM/LMK/MCH/105Z CAP-Ceramic -C	10V 3036003Z0105	11	
28	CP4	10MS5-22M CAP-CE	10V 22μF 304A1046A1220	1	
29	CP1~CP3	6.3MS5-100M CAP-CE	6.3V 100μF 304A1046J0101	3	
30					
31	IC6	74ALS00AFP Digital IC-BIP (SO)	700A2503N0000	1	
32	IC1~IC5	74ALS244AFP Digital IC-BIP (SO)	700A2503N0244	5	
33	IC7	MBM29F800TA-90PF Memory-MOSEEPR -S	8163622N0000	1	
34	IC9, IC10	71256-12SJ Memory-MOSSRAM -B	8040003N8305	2	

MN8-PCB Assy. (Network Interface Board)
(41352601-4/4)

REF. NO.	SYMBOL	TYPE/NAME	PART NO.	Q'TY	REMARKS
35	IC8	MX98728AEC CPU-Interface -F	8550440N0001	1	
36					
37	EM1~EM3	DSS306-0AE222Z Filter EMI	342A1009P2222	3	
38					
39	SIMM1, SIMM2	52706-7220 Socket-SEMICON -	2451001P0720	2	
40	CN1	2PQ100A2MA Connector-PCB -	2243515P1000	1	
41	CN2	RJS-1A08T089A Connector-Plug -	2233007P0001	1	
42					
43	OSC1	HC-49/U03C-25.00MHz OSC-Crystal -C	3801001B0004	1	
44	SW1	SOB-241VS SW-Pushbutton -	2051007P1000	1	
45					
46	D2	SEL3910D/204AD Optical Source -	6500003M0001	1	
47	D1	SEL6410G/ Optical Source -	6500003M0003	1	
48	D3, D4	OR-Rectifying DI -Q	40401401	2	



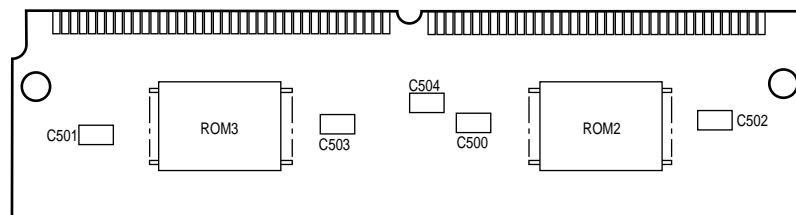
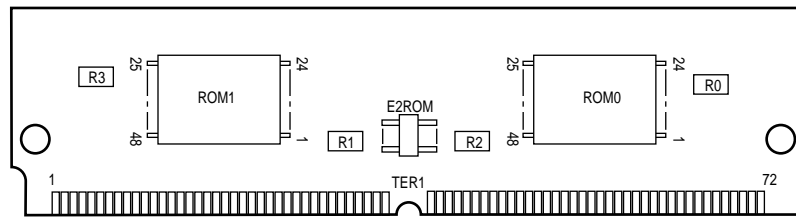
**SIF-Serial Memory Interface PCB (RS232C Interface Board)
(41353901-1/3)**

**SIF-Serial Memory Interface PCB (RS232C Interface Board)
(41353901-2/3)**

REF. NO.	SYMBOL	TYPE/NAME	PART NO.	Q'TY	REMARKS
1	D1, D2	SS100MA80VKCP SIGNAL DIODE (CP)	611A0000N0002	2	
2					
3	R50~R81	CR/RK73K/ERJ/MCRJ330 RES-MET RN -C	3235003J0330	32	
4	R1	CR/RK73K/ERJ/MCRJ332 RES-MET RN -C	3235003J0332	1	
5	R23	CR/RK73K/ERJ/MCRJ390 RES-MET RN -C	3235003J0390	1	
6	R100~R110	CR/RK73K/ERJ/MCRJ470 RES-MET RN -C	3235003J0470	11	
7	R9~R12, R47	CR/RK73K/ERJ/MCRJ472 RES-MET RN -C	3235003J0472	5	
8	R3~R5	CR/RK73K/ERJ/MCRJ562 RES-MET RN -C	3235003J0562	3	
9	R13~R22, R24~R36, R38~40	CR/RK73K/ERJ/MCRJ680 RES-MET RN -C	3235003J0680	26	
10	R41~R44	CR/RK73K/ERJ/MCRJ820 RES-MET RN -C	3235003J0820	4	
11	R45, R46, R91	CR/RK73Z/ERJ/MCRJ-0V RES-Zero ohm -C	3255003P0001	3	
12					
13	C15	GRM/UMK/MCH/100CH CAP-Ceramic -C	3033003C0100	1	
14	C22	GRM/UMK/MCH/101CH CAP-Ceramic -C	3033003C0101	1	
15	C10~C12	GRM/UMK/MCH/120CH CAP-Ceramic -C	3033003C0120	3	
16	C13	GRM/UMK/MCH/220CH CAP-Ceramic -C	3033003C0220	1	
17	C16	GRM/UMK/MCH/330CH CAP-Ceramic -C	3033003C0330	1	

**SIF-Serial Memory Interface PCB (RS232C Interface Board)
(41353901-3/3)**

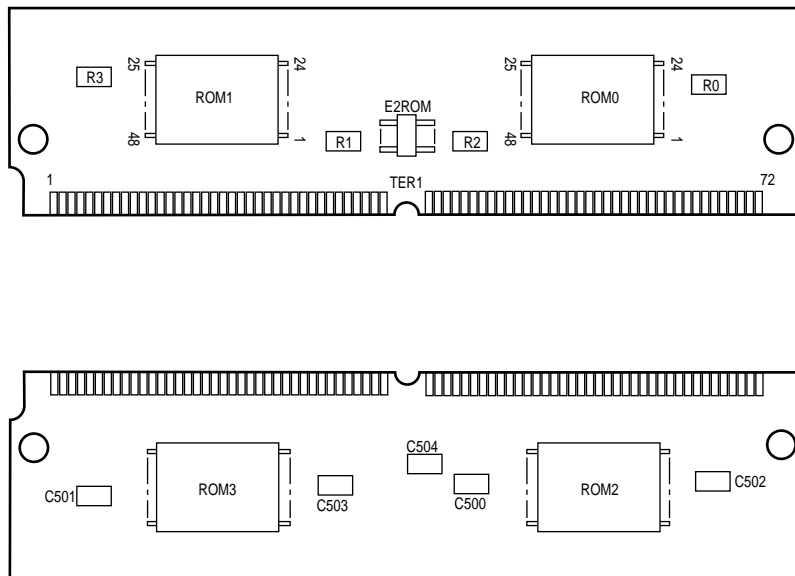
REF. NO.	SYMBOL	TYPE/NAME	PART NO.	Q'TY	REMARKS
18	C40, C41	GRM/UMK/MCH/680CH CAP-Ceramic -C	3033003C0680	2	
19	C3	GRM/UMK/MCH/561B CAP-Ceramic -C	50V 3036003K0561	1	
20	C4	GRM/TMK/MCH/104Z CAP-Ceramic -C	25V 3036003Z0104	1	
21	C5, C8, C17~C21, C30~C32, C50, C51	GRM/LMK/MCH/105Z CAP-Ceramic -C	10V 3036003Z0105	12	
22	CP5~CP9	UMA/50MS5-1M CAP-Alum -P	50V 1μF 3041103H1109	5	
23	CP1, CP3, CP4	KME10VB-100 CAP CE	10V 100μF 304A1115A1101	3	
24					
25	Q2~Q6	74ALS244AFP BIP DIGITAL IC (SO)	700A2503N0244	5	
26	Q1	HIN230CB/MAX230CWP MOS-INF-IC (SO)	712A2003N0001	1	
27					
28	EM1	ZJSC-2R2-101-TA COMP PAR-LC -P	3421000P2101	1	
29	EM2	ZJSC-220-101-TA COMP PAR-LC -P	3421000P3101	1	
30	EM3	DSS306-OAE222Z EMI FILTER	342A1009P2222	1	
31	DRAMSIMM, FSIMM1	52706-7220 IC SOCKET -	2451001P0720	1	
32	CN2	17LE-13250-27 (D4CC) PC CONNECTOR	220A1448P0250	1	
33	CN1	2PQ100A2MA CONNECTOR-PCB	2243515P1000	1	
34	BF1	SHORT WIRE (U TYPE) 0.65 P=2.5	5KH-31036-25	1	



**FSL-PCB (Flash SIMM 4MB) Rev. 1
(40405419-1/2)**

**FSL-PCB (Flash SIMM 4MB) Rev. 1
(40405419-2/2)**

REF. NO.	SYMBOL	TYPE/NAME	PART NO.	Q'TY	REMARKS
1	R0-R3	RM73B2A103J RES-MET RN -C	323A5003J0103	4	
2	C500-C504	CK2012F1E104Z 25V CAP-Ceramic -C	303A6008Z2104	5	
3					
4	ROM0-ROM3	MBM29F080A-90PFTN Memory-MOSEEPR -S	8163623N0000	4	
5	E2ROM	NM93C66EM8X Memory-MOSEEPR -S	8162330N0000	1	



**FSL-2-PCB (Flash SIMM 8MB) Rev. 1
(40405420-1/2)**

**FSL-2-PCB (Flash SIMM 8MB) Rev. 1
(40405420-2/2)**

REF. NO.	SYMBOL	TYPE/NAME	PART NO.	Q'TY	REMARKS
1	R0-R3	RM73B2A103J RES-MET RN -C	323A5003J0103	4	
2	C500-C504	CK2012F1E104Z CAP-Ceramic 25V -C	303A6008Z2104	5	
3					
4	E2ROM	NM93C66EM8X Memory-MOSEEPR -S	8162330N0000	1	
5	ROM0-ROM3	MBM29F016A-90PFTN Memory-MOSEEPR -S	8164621N0000	4	