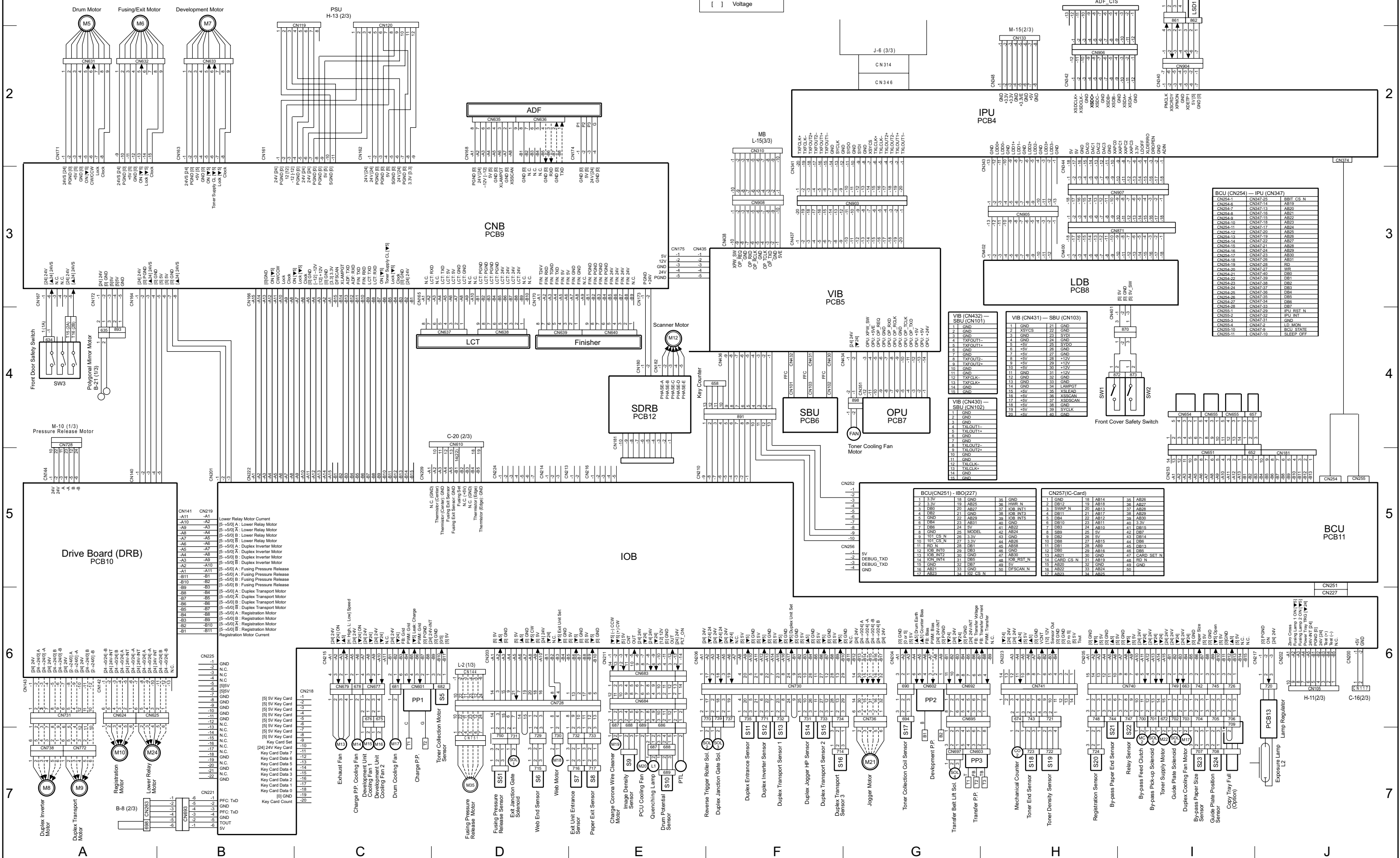


B246/B248/B249/B250/B252/B253 POINT TO POINT DIAGRAM 1/3

SYMBOL TABLE	
—	AC Line
—	DC Line
---	Pulse Signal
→	Signal Direction
▲	Active High
▼	Active Low
[]	Voltage



BCU (CN254) — IPU (CN347)	
CN254-1	CN347-25
CN254-2	CN347-14
CN254-3	CN347-15
CN254-4	CN347-16
CN254-5	CN347-17
CN254-6	CN347-18
CN254-7	CN347-19
CN254-8	CN347-20
CN254-9	CN347-21
CN254-10	CN347-22
CN254-11	CN347-17
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CN254-428	CN347-38
CN254-429	CN347-38
CN254-430	CN347

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B246/B248/B249/B250/B252/B253 POINT TO POINT DIAGRAM 3/3

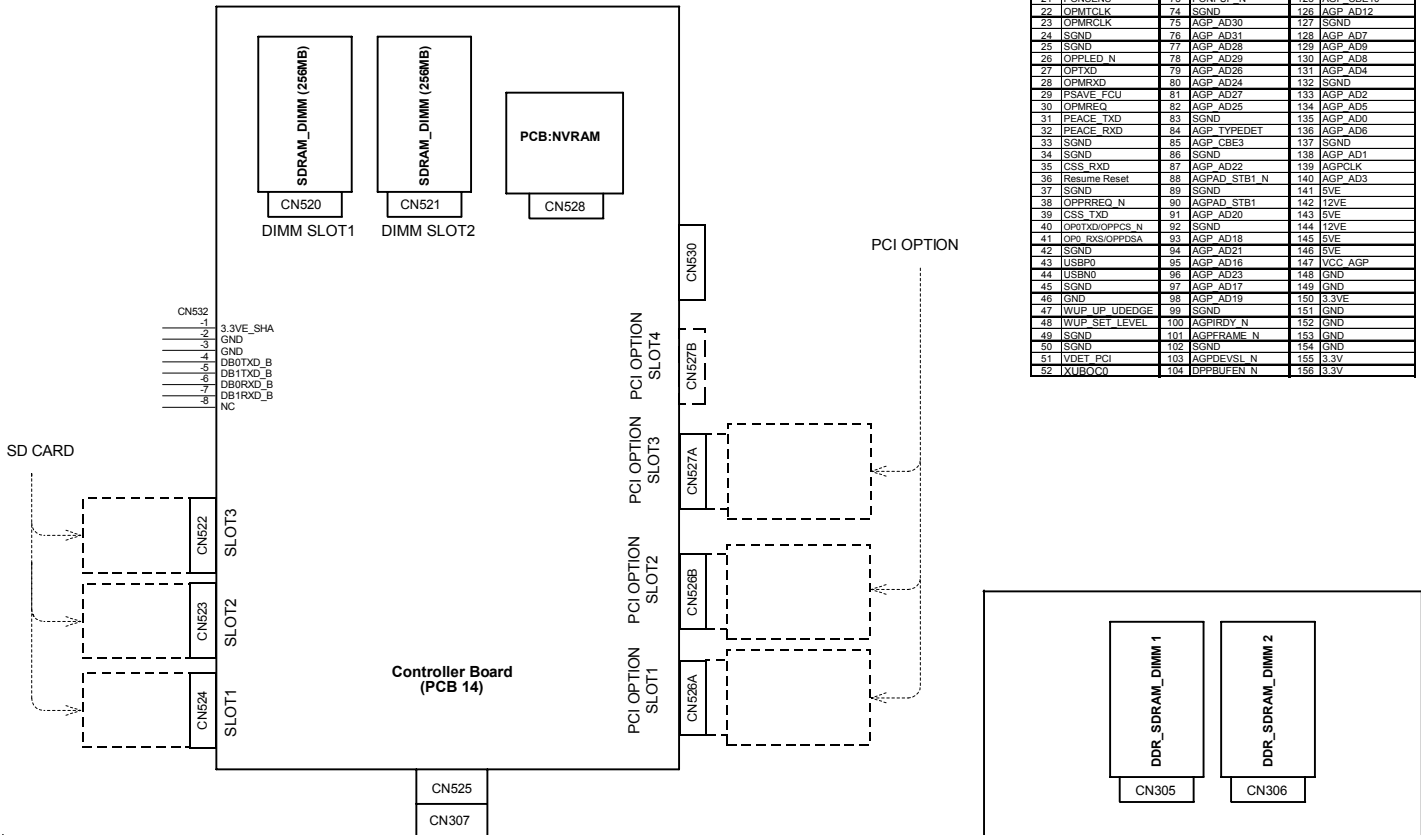
CN520 (CN521)			
SOKRAM I/F			
Pin#	Signal Name	Pin#	Signal Name
1	GND	40	MDQ13
2	GND	41	MDQ12
3	MDQ5	42	MDQ4
4	MDQ32	43	MDQ14
5	MDQ15	44	MDQ5
6	MDQ33	45	MDQ6
7	MDQ2	46	MDQ7
8	MDQ4	47	MDQ8
9	MDQ3	48	MDQ9
10	MDQ35	49	MDQ10
11	MDQ36	50	MDQ11
12	VCC3	51	MDQ12
13	MDQ4	52	MDQ13
14	MDQ37	53	MDQ14
15	MDQ38	54	MDQ15
16	MDQ39	55	MDQ16
17	MDQ6	56	MDQ17
18	MDQ7	57	MDQ18
19	MDQ8	58	MDQ19
20	MDQ39	59	MDQ20
21	GND	60	MDQ21
22	GND	61	MDQ22
23	MDQ20	62	MDQ23
24	MDQ4	63	MDQ24
25	MDQ1	64	MDQ25
26	MDQ6	65	MDQ26
27	VCC3	66	MDQ27
28	MDQ4	67	MDQ28
29	MDQ3	68	MDQ29
30	MA3	69	MDQ30
31	MA2	70	MDQ31
32	MA1	71	MDQ32
33	MA4	72	MDQ33
34	MA5	73	MDQ34
35	GND	74	MDQ35
36	GND	75	MDQ36
37	MDQ8	76	MDQ37
38	MDQ9	77	MDQ38
39	MDQ10	78	MDQ39
40	MDQ11	79	MDQ40
41	MDQ12	80	MDQ41
42	MDQ13	81	MDQ42
43	MDQ14	82	MDQ43
44	MDQ15	83	MDQ44
45	VCC3	84	MDQ45
46	VCC3	85	MDQ46
47	VCC3	86	MDQ47
48	VCC3	87	MDQ48
49	VCC3	88	MDQ49
50	VCC3	89	MDQ50
51	VCC3	90	MDQ51
52	VCC3	91	MDQ52
53	VCC3	92	MDQ53
54	VCC3	93	MDQ54
55	VCC3	94	MDQ55
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58	VCC3	97	MDQ58
59	VCC3	98	MDQ59
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62	VCC3	101	MDQ62
63	VCC3	102	MDQ63
64	VCC3	103	MDQ64
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68	VCC3	107	MDQ68
69	VCC3	108	MDQ69
70	VCC3	109	MDQ70
71	VCC3	110	MDQ71
72	VCC3	111	MDQ72
73	VCC3	112	MDQ73
74	VCC3	113	MDQ74
75	VCC3	114	MDQ75
76	VCC3	115	MDQ76
77	VCC3	116	MDQ77
78	VCC3	117	MDQ78
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87	VCC3	126	MDQ87
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93	VCC3	132	MDQ93
94	VCC3	133	MDQ94
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165	VCC3	204	MDQ165
166	VCC3	205	MDQ166
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169	VCC3	208	MDQ169
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172	VCC3	211	MDQ172
173	VCC3	212	MDQ173
174	VCC3	213	MDQ174
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178	VCC3	217	MDQ178
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186	VCC3	225	MDQ186
187	VCC3	226	MDQ187
188	VCC3	227	MDQ188
189	VCC3	228	MDQ189
190	VCC3	229	MDQ190
191	VCC3	230	MDQ191
192	VCC3	231	MDQ192
193	VCC3	232	MDQ193
194	VCC3	233	MDQ194
195	VCC3	234	MDQ195
196	VCC3	235	MDQ196
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200	VCC3	239	MDQ200
201	VCC3	240	MDQ201
202	VCC3	241	MDQ202
203	VCC3	242	MDQ203
204	VCC3	243	MDQ204
205	VCC3	244	MDQ205
206	VCC3	245	MDQ206
207	VCC3	246	MDQ207
208	VCC3	247	MDQ208
209	VCC3	248	MDQ209
210	VCC3	249	MDQ210
211	VCC3	250	MDQ211
212	VCC3	251	MDQ212
213	VCC3	252	MDQ213
214	VCC3	253	MDQ214
215	VCC3	254	MDQ215
216	VCC3	255	MDQ216
217	VCC3	256	MDQ217
218	VCC3	257	MDQ218
219	VCC3	258	MDQ219
220	VCC3	259	MDQ220
221	VCC3	260	MDQ221
222	VCC3	261	MDQ222
223	VCC3	262	MDQ223
224	VCC3	263	MDQ224
225	VCC3	264	MDQ225
226	VCC3	265	MDQ226
227	VCC3	266	MDQ227
228	VCC3	267	MDQ228
229	VCC3	268	MDQ229
230	VCC3	269	MDQ230
231	VCC3	270	MDQ231
232	VCC3	271	MDQ232
233	VCC3	272	MDQ233
234	VCC3	273	MDQ234
235	VCC3	274	MDQ235
236	VCC3	275	MDQ236
237	VCC3	276	MDQ237
238	VCC3	277	MDQ238
239	VCC3	278	MDQ239
240	VCC3	279	MDQ240
241	VCC3	280	MDQ241
242	VCC3	281	MDQ242
243	VCC3	282	MDQ243
244	VCC3	283	MDQ244
245	VCC3	284	MDQ245
246	VCC3	285	MDQ246
247	VCC3	286	MDQ247
248	VCC3	287	MDQ248
249	VCC3	288	MDQ249
250	VCC3	289	MDQ250
251	VCC3	290	MDQ251
252	VCC3	291	MDQ252
253	VCC3	292	MDQ253
254	VCC3	293	MDQ254
255	VCC3	294	MDQ255
256	VCC3	295	MDQ256
257	VCC3	296	MDQ257
258	VCC3	297	MDQ258
259	VCC3	298	MDQ259
260	VCC3	299	MDQ260
261	VCC3	300	MDQ261
262	VCC3	301	MDQ262
263	VCC3	302	MDQ263
264	VCC3	303	MDQ264
265	VCC3	304	MDQ265
266	VCC3	305	MDQ266
267	VCC3	306	MDQ267
268	VCC3	307	MDQ268
269	VCC3	308	MDQ269
270	VCC3	309	MDQ270
271	VCC3	310	MDQ271
272	VCC3	311	MDQ272
273	VCC3	312	MDQ273
274	VCC3	313	MDQ274
275	VCC3	314	MDQ275
276	VCC3	315	MDQ276
277	VCC3	316	MDQ277
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283	VCC3	322	MDQ283
284	VCC3	323	MDQ284
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286	VCC3	325	MDQ286
287	VCC3	326	MDQ287
288	VCC3	327	MDQ288
289	VCC3	328	MDQ289
290	VCC3	329	MDQ290
291	VCC3	330	MDQ291
292	VCC3	331	MDQ292
293	VCC3	332	MDQ293
294	VCC3	333	MDQ294
295	VCC3	334	MDQ295
296	VCC3	335	MDQ296
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304	VCC3	343	MDQ304
305	VCC3	344	MDQ305
306	VCC3	345	MDQ306
307	VCC3	346	MDQ307
308	VCC3	347	MDQ308
309	VCC3	348	MDQ309
310	VCC3	349	MDQ310
311	VCC3	350	MDQ311
312	VCC3	351	MDQ312
313	VCC3	352	MDQ313
314	VCC3	353	MDQ314
315	VCC3	354	MDQ315
316	VCC3	355	MDQ316
317	VCC3	356	MDQ317
318	VCC3	357	MDQ318
319	VCC3	358	MDQ319
320	VCC3	359	MDQ320
321	VCC3	360	MDQ321
322	VCC3	361	MDQ322
323	VCC3	362	MDQ323
324	VCC3	363	MDQ324
325	VCC3	364	MDQ325
326	VCC3	365	MDQ326
327	VCC3	366	MDQ327
328	VCC3	367	MDQ328
329	VCC3	368	MDQ329
330	VCC3	369	MDQ330
331	VCC3	370	MDQ331
332	VCC3	371	MDQ332
333	VCC3	372	MDQ333
334	VCC3	373	MDQ334
335	VCC3	374	MDQ335
336	VCC3	375	MDQ336
337	VCC3	376	MDQ337
338	VCC3	377	MDQ338
339	VCC3	378	MDQ339

CN528	
Pin#	Signal Name
1	GND
2	GND
3	VCC SP1
4	VCC SP2
5	SP1 CS#
6	SP1 CS#
7	SP1 CS#
8	SP1 CS#
9	SP1 CS#
10	SP1 CS#
11	SP1 CS#
12	SP1 CS#
13	SP1 CS#
14	SP1 CS#
15	SP1 CS#
16	SP1 CS#
17	SP1 CS#
18	SP1 CS#
19	SP1 CS#
20	SP1 CS#
21	SP1 CS#
22	SP1 CS#
23	SP1 CS#
24	SP1 CS#
25	SP1 CS#
26	SP1 CS#
27	SP1 CS#
28	SP1 CS#
29	SP1 CS#
30	SP1 CS#

CN530			
DEBUG BOARD I/F			
Pin#	Signal Name	Pin#	Signal Name
1	DBORXD_B	26	LPC FRAM
2	DBORXD_B	27	DRQ0
3	DBORXD_B	28	INT_SERRIO
4	DBORXD_B	29	SVEP
5	DBORXD_B	30	SVEP
6	USBPDA_DB	31	SVEP
7	USBPDA_DB	32	SVEP
8	RESERVE	33	RESERVE
9	GND	34	SVEP
10	SMB_CLK	35	GND
11	SMB_DATA	36	GND
12	EXT_SMB	37	GND
13	GND	38	GND
14	CLK_SICH4	39	GND
15	GND	40	GND
16	PKIRST2	41	3.3V- SHA
17	GND	42	3.3V- SHA
18	CLK_SICPD0	43	3.3V- SHA
19	GND	44	3.3V- SHA
20	H_ADGATE	45	RESERVE
21	R_ADGATE	46	RESERVE
22	LPC_AD0	47	RESERVE
23	LPC_AD0	48	RESERVE
24	LPC_AD0	49	RESERVE
25	LPC_AD0	50	RESERVE

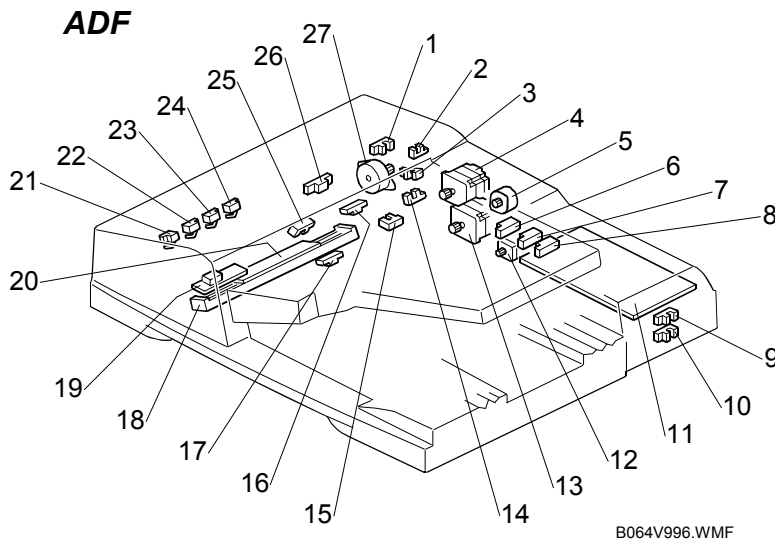
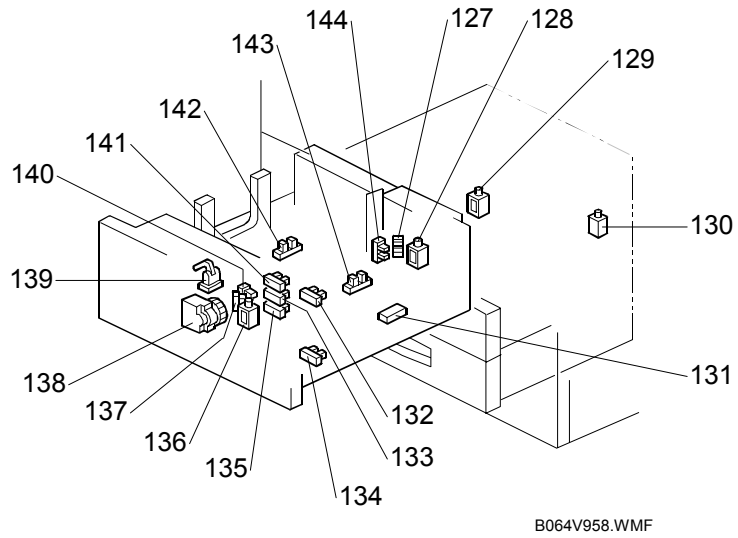
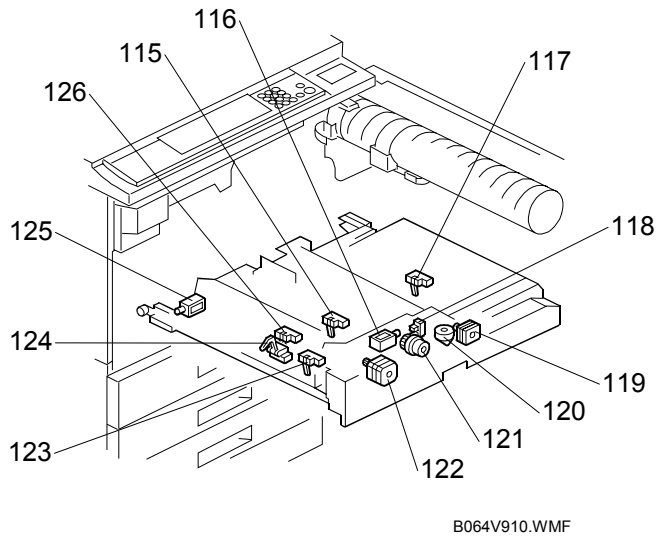
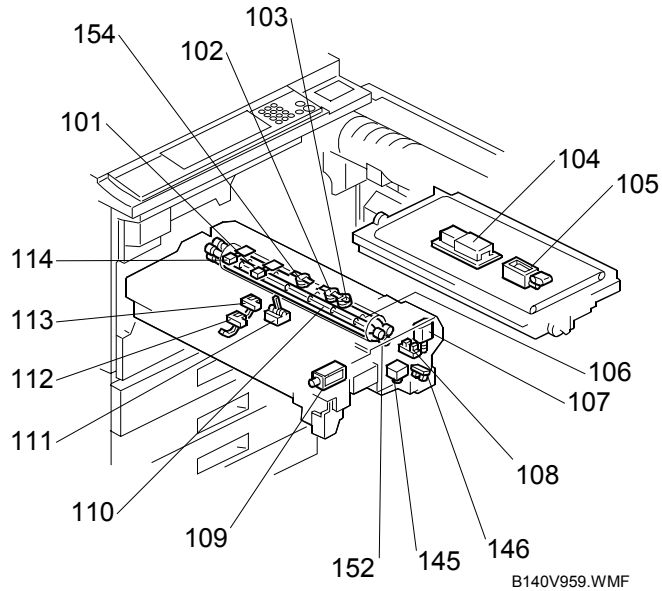
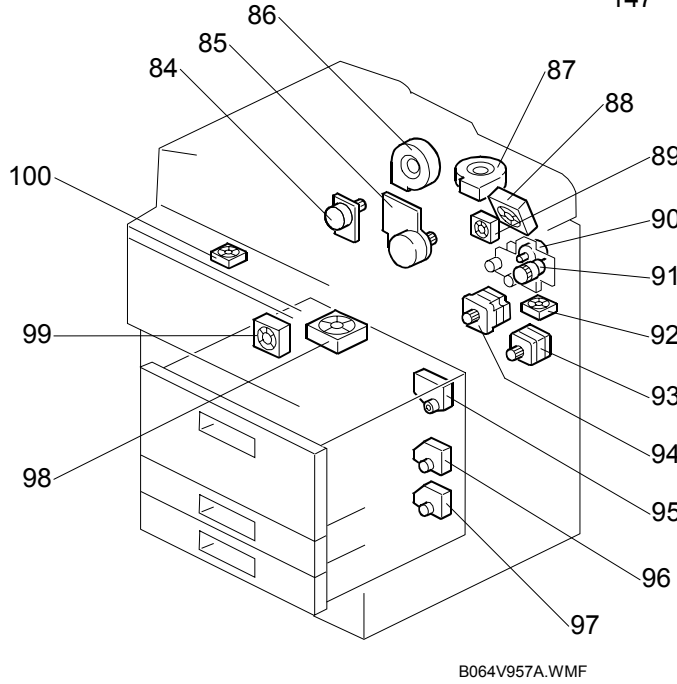
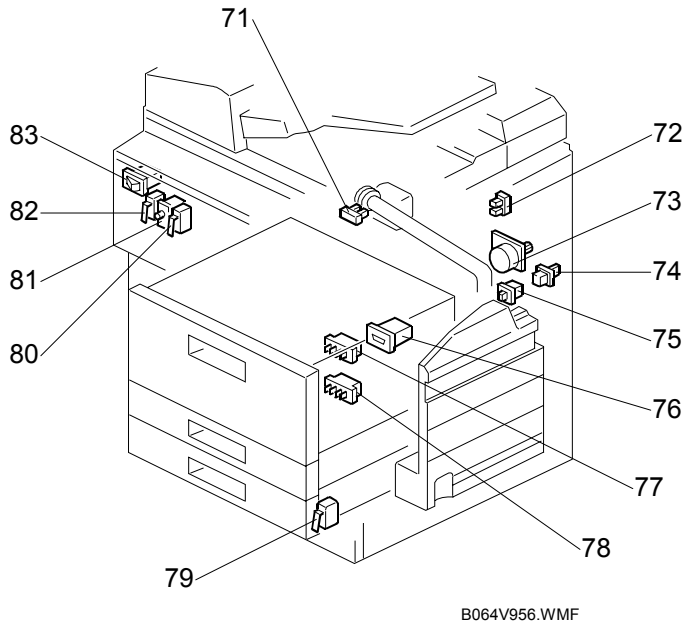
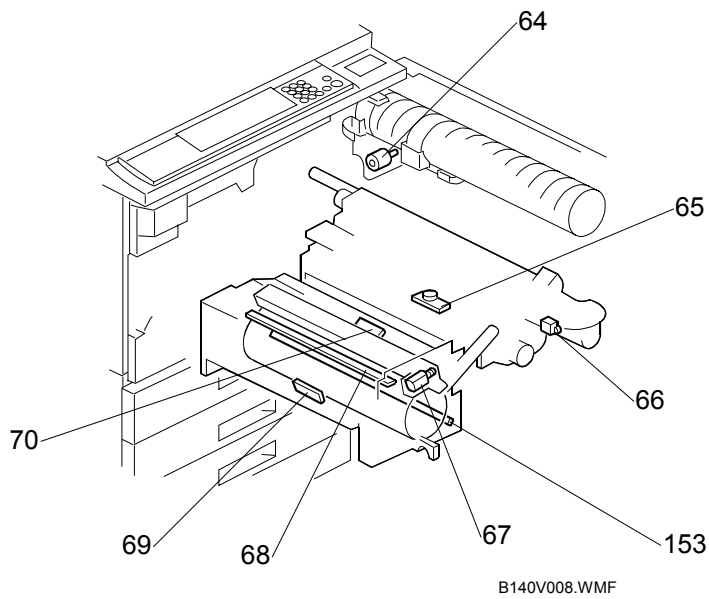
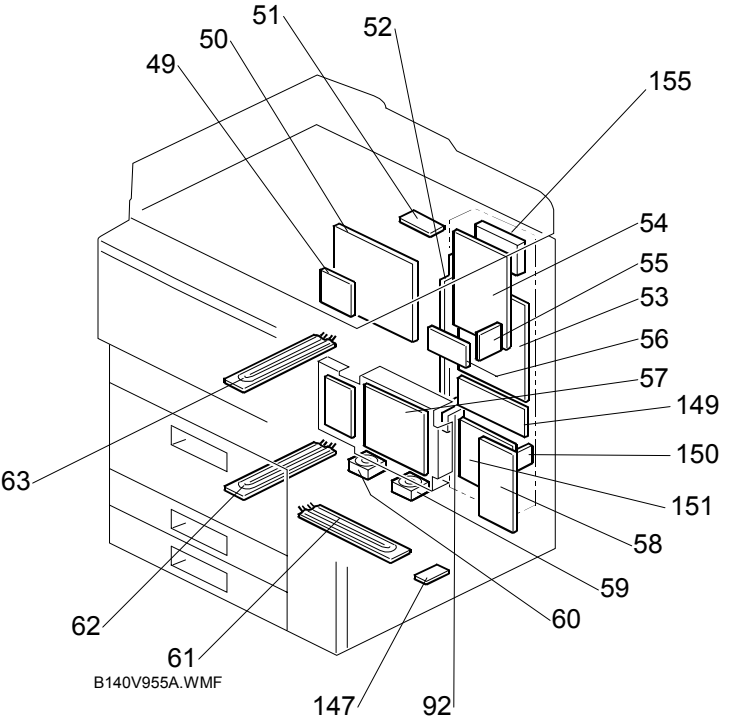
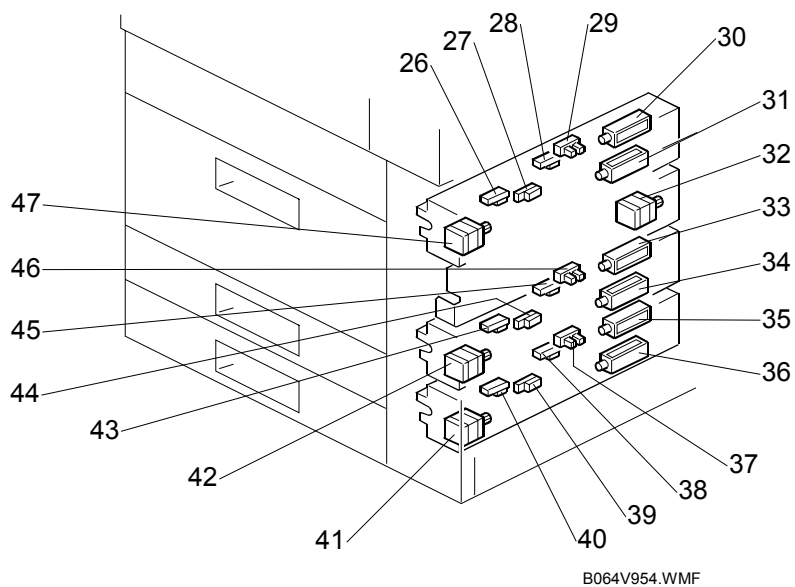
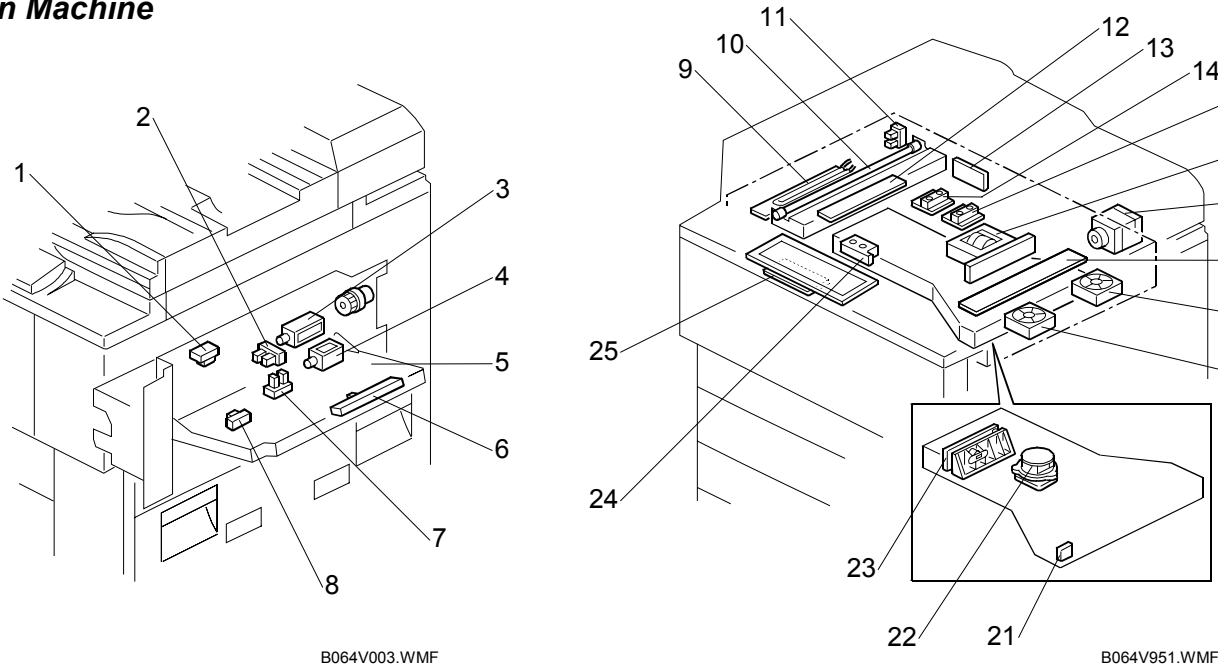
CN522		CN523		CN524	
SD CAR I/F		SD CAR I/F		SD CAR I/F	
Pin#	Signal Name	Pin#	Signal Name	Pin#	Signal Name
1	SDA1 DT(1)	1	SDA1 DT(1)	1	SD8B DT(3)
2	SDA1 DT(0)	2	SDA1 CMD	2	SDA CMD
3	3.3V	3	3.3V	3	3.3V
4	3.3V	4	3.3V	4	3.3V
5	SDA CLK	5	SDA CLK	5	SD8B CLK
6	3.3V	6	3.3V	6	3.3V
7	SDA1 DT(0)	7	SDA1 DT(0)	7	SD8B DT(0)
8	SDA1 DT(1)	8	SDA1 DT(1)	8	SD8B DT(1)
9	SDA1 DT(2)	9	SDA1 DT(2)	9	SD8B DT(2)
10	SDA CD#	10	SDA1 CD#	10	SD8B CD#
11	3.3V	11	3.3V	11	3.3V
12	SDA WP#	12	SDA1 WP#	12	SD8B WP#

CN534	
Pin#	Signal Name
1	ENGRDY_N
2	GND
3	GND
4	PCCLK IPV
5	GND
6	IDSEL1
7	GND
8	GND
9	GND
10	XRD1
11	AD31
12	AD29
13	AD27
14	AD25
15	CBE3
16	AD23
17	AD21
18	AD19
19	AD17
20	CBE2
21	XRD2
22	XFRAME
23	XTRDY
24	XSTRDY
25	XSTRDY
26	CBE1
27	AD15
28	AD13
29	AD11
30	AD9
31	CBE0
32	AD7
33	AD5
34	AD3
35	AD1
36	GND
37	GND
38	GND
39	GND
40	GND



B246/B248/B249/B250/B252/B253 ELECTRICAL COMPONENT LAYOUT (1/2)

Main Machine



ADF

B246/B248/B249/B250/B252/B253 ELECTRICAL COMPONENT LAYOUT (2/2)

Main Machine

Symbol	Index No.	Description	P to P
Motors			
M1	92	Bottom Side Cooling Fan	E6 (3/3)
M2	89	CPU Cooling Fan	E3 (3/3)
M3	22	Polygonal Mirror	J1 (1/3)
M4	100	Toner Cooling Fan	G4 (1/3)
M5	85	Drum	A2 (1/3)
M6	84	Fusing/Exit	B2 (1/3)
M7	90	Development	B2 (1/3)
M8	122	Duplex Inverter	A7 (1/3)
M9	120	Duplex Transport	A7 (1/3)
M10	94	Registration	A6 (1/3)
M11	93	By-pass Feed	
M12	17	Scanner	E4 (1/3)
M13	86	Exhaust Fan	C6 (1/3)
M14	87	Charge Power Pack Cooling Fan	C6 (1/3)
M15	19	Development Unit Cooling Fan 1	C6 (1/3)
M16	20	Development Unit Cooling Fan 2	C6 (1/3)
M17	88	Drum Cooling Fan	D6 (1/3)
M18	107	Web	E6 (1/3)
M19	67	Charge Corona Wire Cleaner	E6
M20	99	PCU Cooling Fan	E6 (1/3)
M21	121	Jogger	G6 (1/3)
M22	64	Toner Supply	J6 (1/3)
M23	98	Duplex Cooling Fan	J6 (1/3)
M24	32	Lower Relay	A6 (1/3)
M25	47	1st Paper Feed	C5 (2/3)
M26	41	3rd Paper Feed	C5 (2/3)
M27	42	2nd Paper Feed	C5 (2/3)
M28	96	2nd Tray Lift	B6 (2/3)
M29	97	3rd Tray Lift	B6 (2/3)
M30	95	1st Tray Lift	B7 (2/3)
M31	73	Toner Collection	B7 (2/3)
M32	138	Rear Fence	E6 (2/3)
M33	59	PSU Cooling Fan 1	E2 (2/3)
M34	60	PSU Cooling Fan 2	E2 (2/3)
M35	145	Fusing Pressure Release Motor	D6 (1/3)
Sensors			
S1	24	Original Width	D4 (1/3)
S2	14	Original Length 1	D4 (1/3)
S3	15	Original Length 2	E4 (1/3)
S4	11	Scanner HP	E4 (1/3)
S5	72	Toner Collection Motor	D6 (1/3)
S6	108	Web End	E6 (1/3)
S7	113	Exit Unit Entrance	E6 (1/3)
S8	112	Paper Exit	E6 (1/3)
S9	69	Image Density (ID)	E6 (1/3)
S10	70	Drum Potential	F6 (1/3)
S11	124	Duplex Entrance	F6 (1/3)
S12	126	Duplex Inverter	F6 (1/3)
S13	123	Duplex Transport 1	F6 (1/3)
S14	118	Duplex Jogger HP	G6 (1/3)
S15	115	Duplex Transport 2	G6 (1/3)
S16	117	Duplex Transport 3	G6 (1/3)
S17	71	Toner Collection Coil	G6 (1/3)

Symbol	Index No.	Description	P to P
S18	66	Toner End	H6 (1/3)
S19	65	Toner Density (TD)	H6 (1/3)
S20	1	Registration	I6 (1/3)
S21	7	By-pass Paper End	I6 (1/3)
S22	8	Relay	I6 (1/3)
S23	6	By-pass Paper Size	J6 (1/3)
S24	2	Guide Plate Position	J6 (1/3)
S25	26	1st Paper Feed	B2 (2/3)
S26	27	1st Vertical Transport	B2 (2/3)
S27	28	1st Paper End	B2 (2/3)
S28	29	1st Tray Lift	B2 (2/3)
S29	43	2nd Paper Feed	B3 (2/3)
S30	44	2nd Vertical Transport	B3 (2/3)
S31	45	2nd Paper End	B3 (2/3)
S32	46	2nd Tray Lift	B3 (2/3)
S33	40	3rd Paper Feed	B4 (2/3)
S34	39	3rd Vertical Transport	B4 (2/3)
S35	38	3rd Paper End	B4 (2/3)
S36	37	3rd Tray Lift	B4 (2/3)
S37	137	Front Side Fence Open	E5 (2/3)
S38	140	Front Side Fence Close	E5 (2/3)
S39	127	Rear Side Fence Open	E5 (2/3)
S40	144	Rear Side Fence Close	E5 (2/3)
S41	134	Right Tray Down	E5 (2/3)
S42	132	Near End	E5 (2/3)
S43	141	Paper Height 1	E5 (2/3)
S44	133	Paper Height 2	E5 (2/3)
S45	135	Paper Height 3	E6 (2/3)
S46	131	Right Tray Paper	E6 (2/3)
S47	142	Rear Fence HP	E6 (2/3)
S48	143	Rear Fence Return	E7 (2/3)
S49	139	Left Tray Paper	E7 (2/3)
S50	111	Fusing Exit	I2 (2/3)
S51	146	Fusing Pressure Release Sensor	D6 (1/3)
S52	147	Thermal / Humidity Sensor	I6 (1/3)
Switches			
SW1	80	Front Cover Safety 1	I4 (1/3)
SW2	82	Front Cover Safety 2	I4 (1/3)
SW3	81	Front Door Safety	A4 (1/3)
SW4	77	2nd Paper Size	B6 (2/3)
SW5	78	3rd Paper Size	B6 (2/3)
SW6	75	Toner Collection Bottle Set	B7 (2/3)
SW7	74	Toner Overflow	B7 (2/3)
SW8	79	Lower Front Door Safety	D4 (2/3)
SW9	83	Main	I4 (2/3)
Solenoids			
SOL1	109	Exit Junction Gate	D6 (1/3)
SOL2	117	Reverse Trigger Roller	F6 (1/3)
SOL3	125	Duplex Junction Gate	F6 (1/3)
SOL4	105	Transfer Belt Lift	H6 (1/3)
SOL5	3	By-pass Pick-up	I6 (1/3)
SOL6	4	Guide Plate	J6 (1/3)
SOL7	30	1st Pick-up	A2 (2/3)
SOL8	31	1st Separation Roller	A3 (2/3)
SOL9	32	2nd Pick-up	B3 (2/3)
SOL10	34	2nd Separation Roller	B3 (2/3)

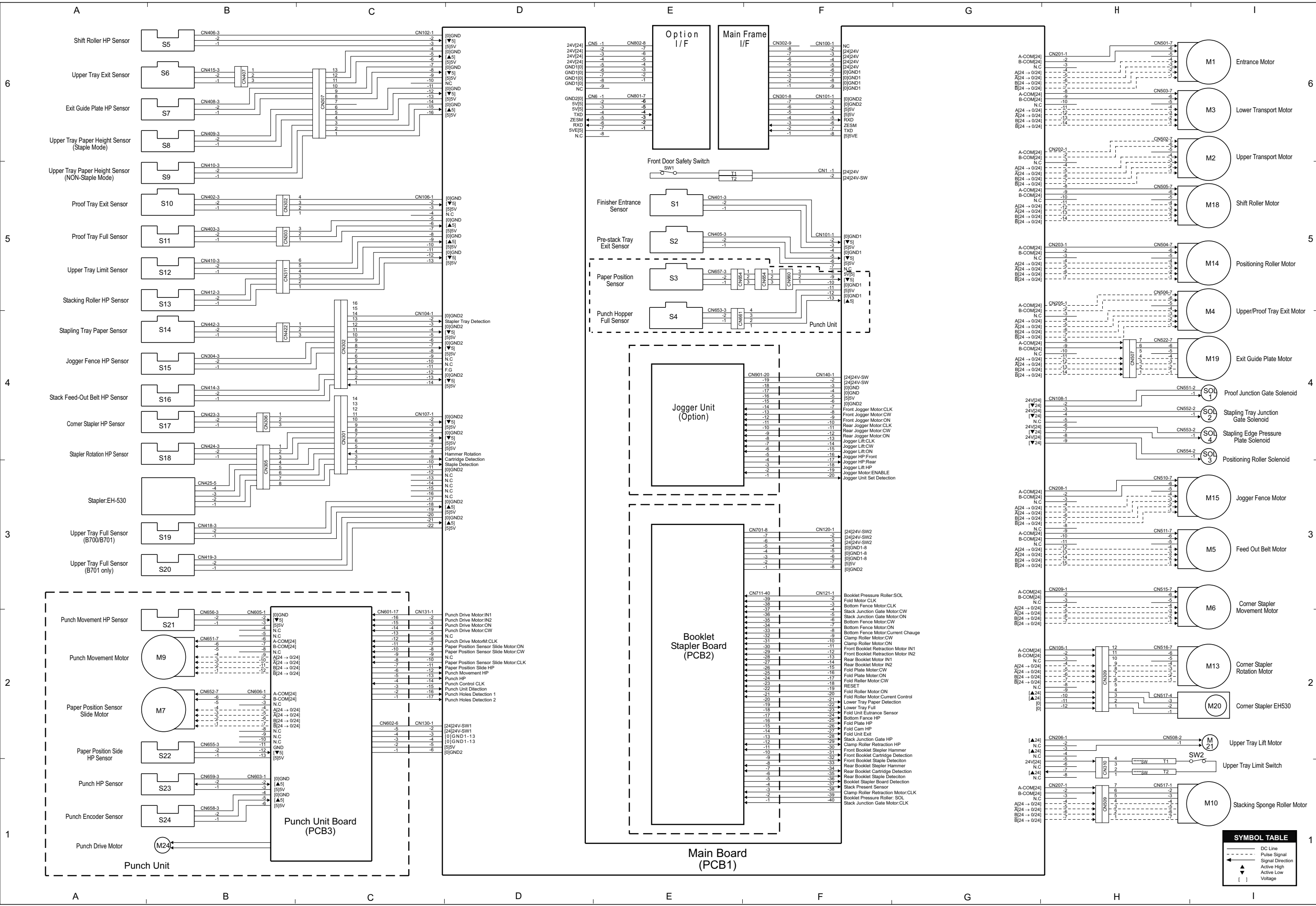
Symbol	Index No.	Description	P to P
SOL11	35	3rd Pick-up	B4 (2/3)
SOL12	36	3rd Separation Roller	B4 (2/3)
SOL13	136	Front Side Fence	E6 (2/3)
SOL14	128	Rear Side Fence	E6 (2/3)
SOL15	130	Right Tray Lock	E7 (2/3)
SOL16	129	Left Tray Lock	E7 (2/3)
Magnetic Clutches			
MC1	122	Duplex Transport	F6 (1/3)
MC2	5	By-pass Feed	I6 (1/3)
MC3	91	Toner Supply	B1 (1/3)
PCBs			
PCB1	52	Mother	E5 (3/3)
PCB3	53	Controller	E4 (3/3)
PCB4	54	IPU (Image Processing Control Unit)	H2 (1/3)
PCB5	18	VIB (Video Interface Board)	G4 (1/3)
PCB6	16	SBU (Sensor Board Unit)	F4 (1/3)
PCB7	25	Operation Panel	G4 (1/3)
PCB8	23	LDB (Laser Drive Board)	H3 (1/3)
PCB9	49	CNB (Connection Board)	C3 (1/3)
PCB10	56	DRB (Drive Board)	A5 (1/3)
PCB11	50	BCU (Base Engine Control Unit)	H5 (1/3)
PCB12	13	SDRB (Scanner Drive Board)	E4 (1/3)
PCB13	12	Lamp Regulator	J6 (1/3)
PCB14	58	PFC (Paper Feed Control)	C3 (2/3)
PCB15	57	PSU	F2 (2/3)
PCB16	149	External Controller Interfase Board	G4 (3/3)
PCB17	150	CSS	F6 (3/3)
PCB18	151	Controller PSU	I5 (3/3)
Lamps			
L1	68	Quenching Lamp	F6 (1/3)
L2	10	Exposure Lamp	J6 (1/3)
L3	110	Fusing Lamp 1	I3 (2/3)
L4	106	Fusing Lamp 2	I3 (2/3)
L5	152	Fusing Lamp 3	I3 (2/3)
L6	153	PTL	F6 (1/3)
Power Packs			
PP1	51	Charge	D6 (1/3)
PP2	55	Development	H6 (1/3)
PP3	104	Transfer	H6 (1/3)
Others			
CO1	—	Key Counter (Option)	E4 (1/3)
CO2	76	Mechanical Counter	H6 (1/3)
H1	63	Drum	G1 (2/3)
H2	9	Scanner (Option)	G1 (2/3)
H3	61	Lower Tray	G1 (2/3)
H4	62	Upper Tray	G1 (2/3)
LSD1	21	Laser Synchronization Detector	J2 (1/3)
TH1	101	Thermistor 1	I2 (2/3)
TH2	114	Thermistor 2	I2 (2/3)
TS1	102	Thermostat 1	I3 (2/3)

Symbol	Index No.	Description	P to P
TS2	103	Thermostat 2	I3 (2/3)
TS3	154	Thermostat 3	I3 (2/3)
HDD1	155	HDD	

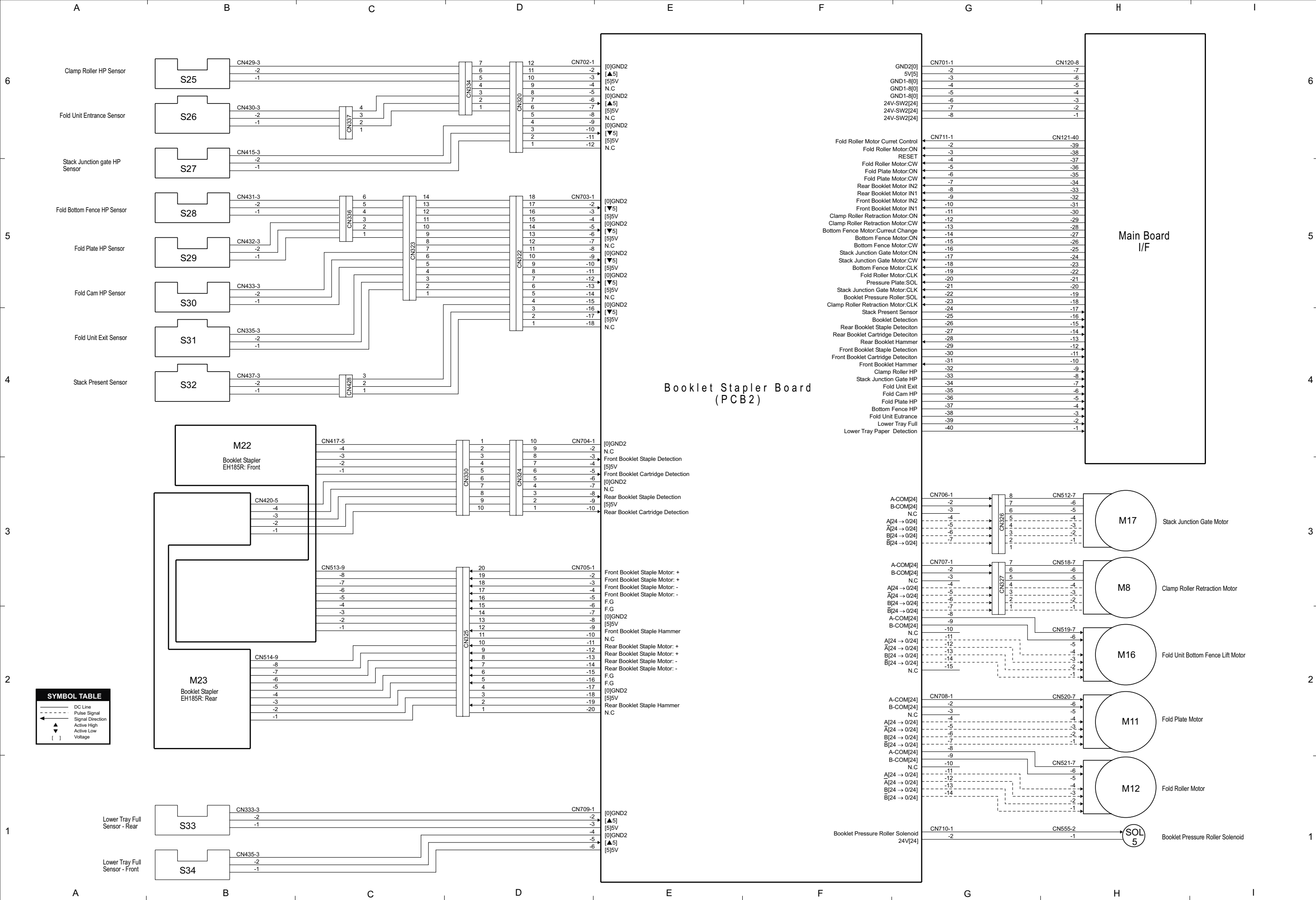
ADF

Symbol	Index No.	Description	P to P
Motors			
M1	4	Feed	J3
M2	13	Transport	J4
M3	12	Exit	J4
M4	27	Pick-up	J5
M5	5	Bottom Plate	J5
Sensors			
S1	14	Original Set	A1
S2	15	Bottom Plate HP	A1
S3	3	Bottom Plate Position	A2
S4	2	Feed Cover	A2
S5	24	Original Width 1	A2
S6	23	Original Width 2	A3
S7	22	Original Width 3	A3
S8	21	Original Width 4	A3
S9	1	Pick-up Roller HP	A4
S10	8	Original Length 3	A4
S11	7	Original Length 2	A5
S12	6	Original Length 1	A5
S13	9	DF Position	A5
S14	10	APS Start	A6
S15	26	Interval	A6
S16	16	Skew Correction	A6
S17	17	Exit	A7
S18	25	Registration	A7
PCBs			
PCB1	11	DF Main	E4
PCB2	20	CIS	G7
PCB3	19	CIS Power Supply	H7
Lamps			
L1	18	CIS	I7

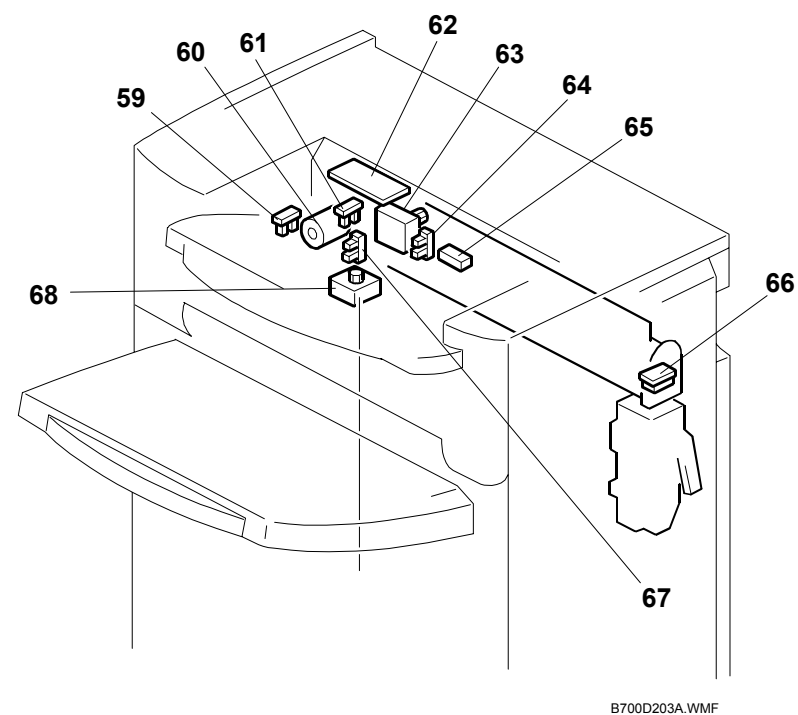
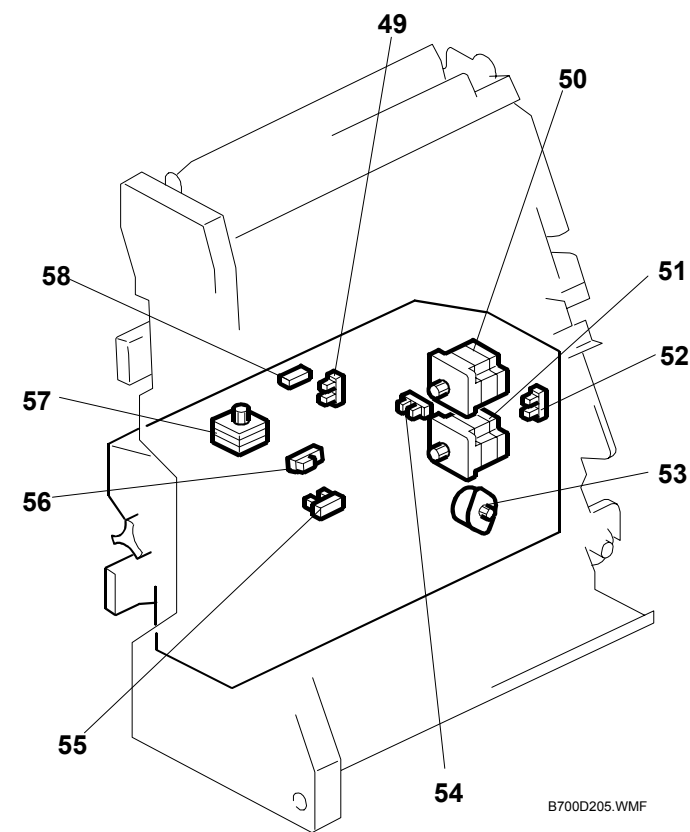
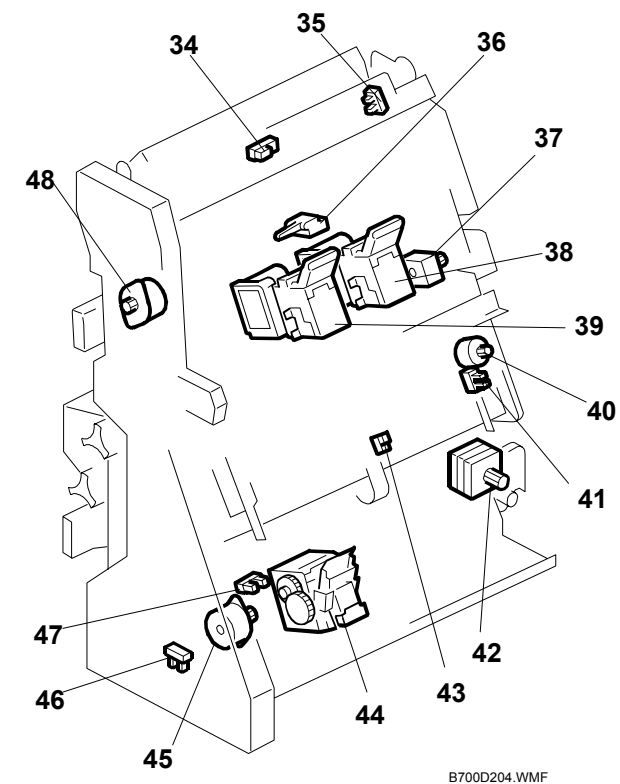
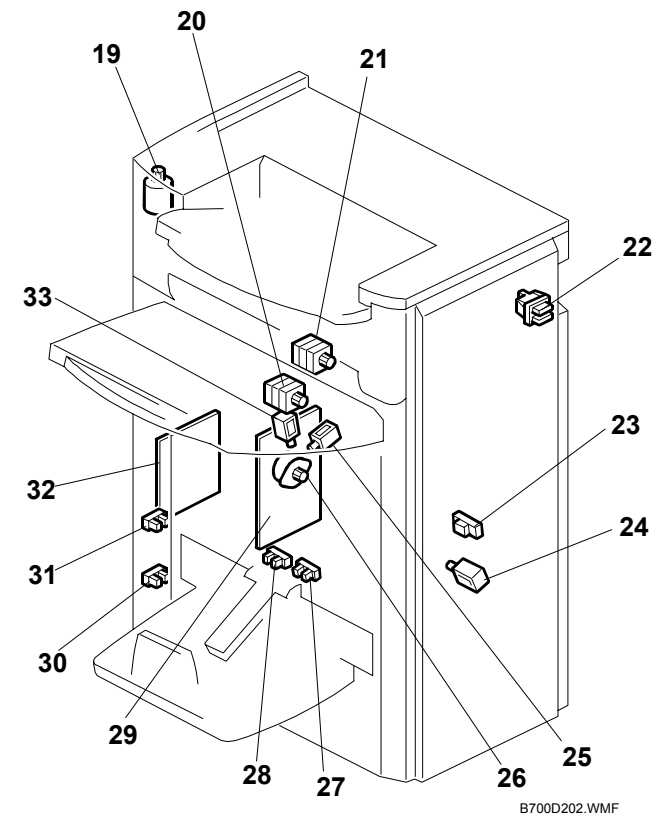
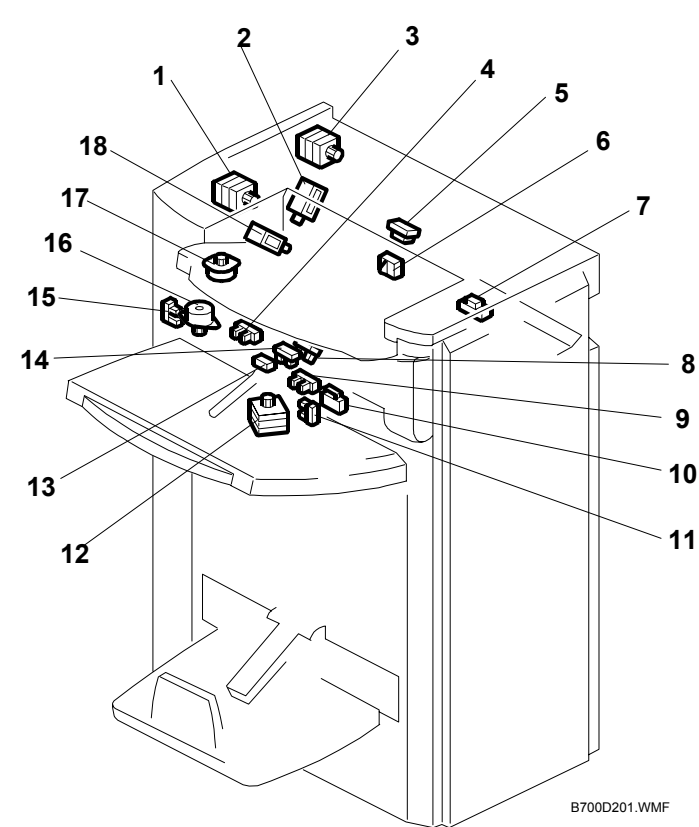
2000/3000 SHEET FINISHER(B700/B701)POINT TO POINT DIAGRAM(1/2)



2000/3000 SHEET FINISHER(B700/B701)POINT TO POINT DIAGRAM(2/2)



2000/3000 SHEET FINISHER(B700/B701) ELECTRICAL COMPONENT LAYOUT (1/2)

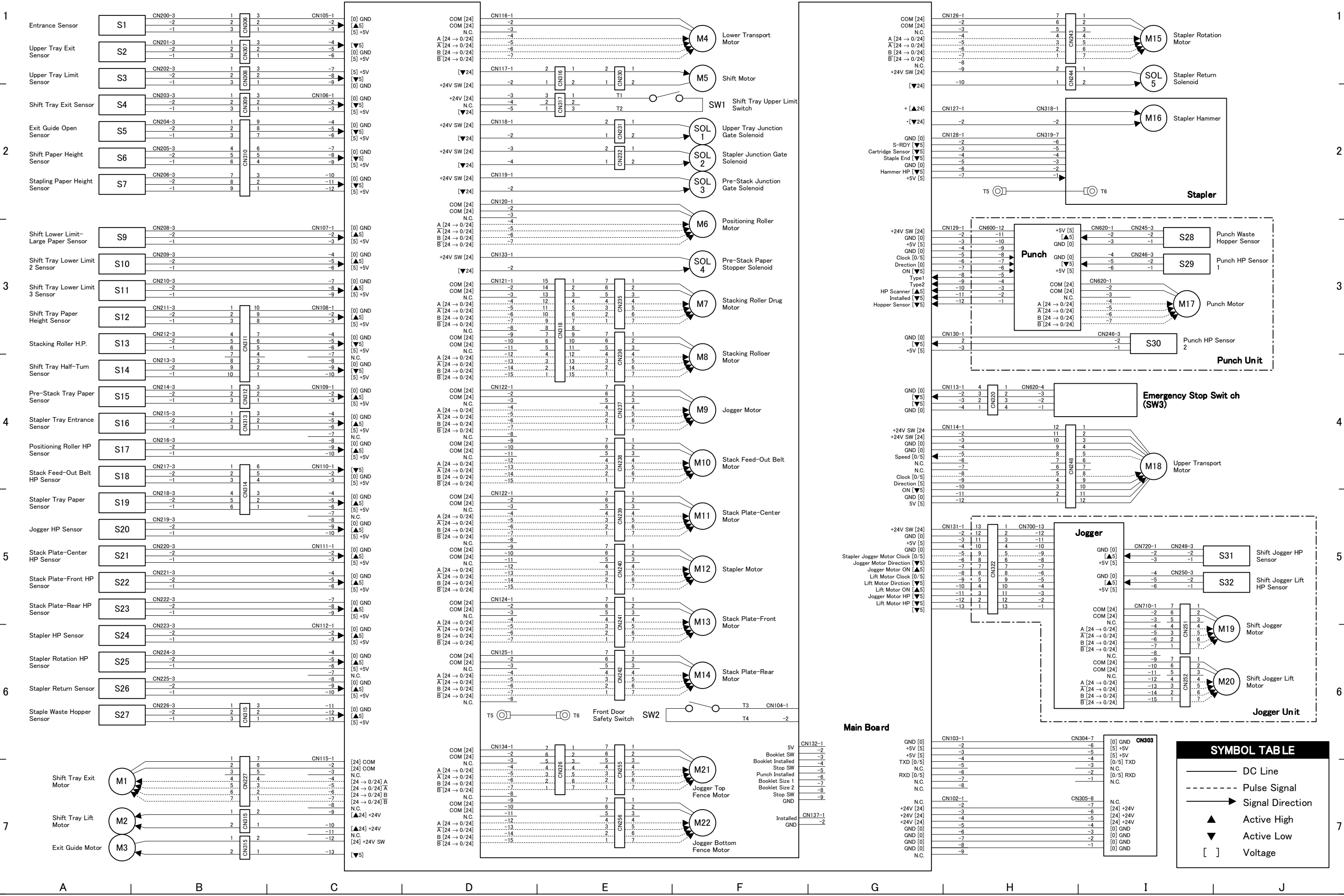


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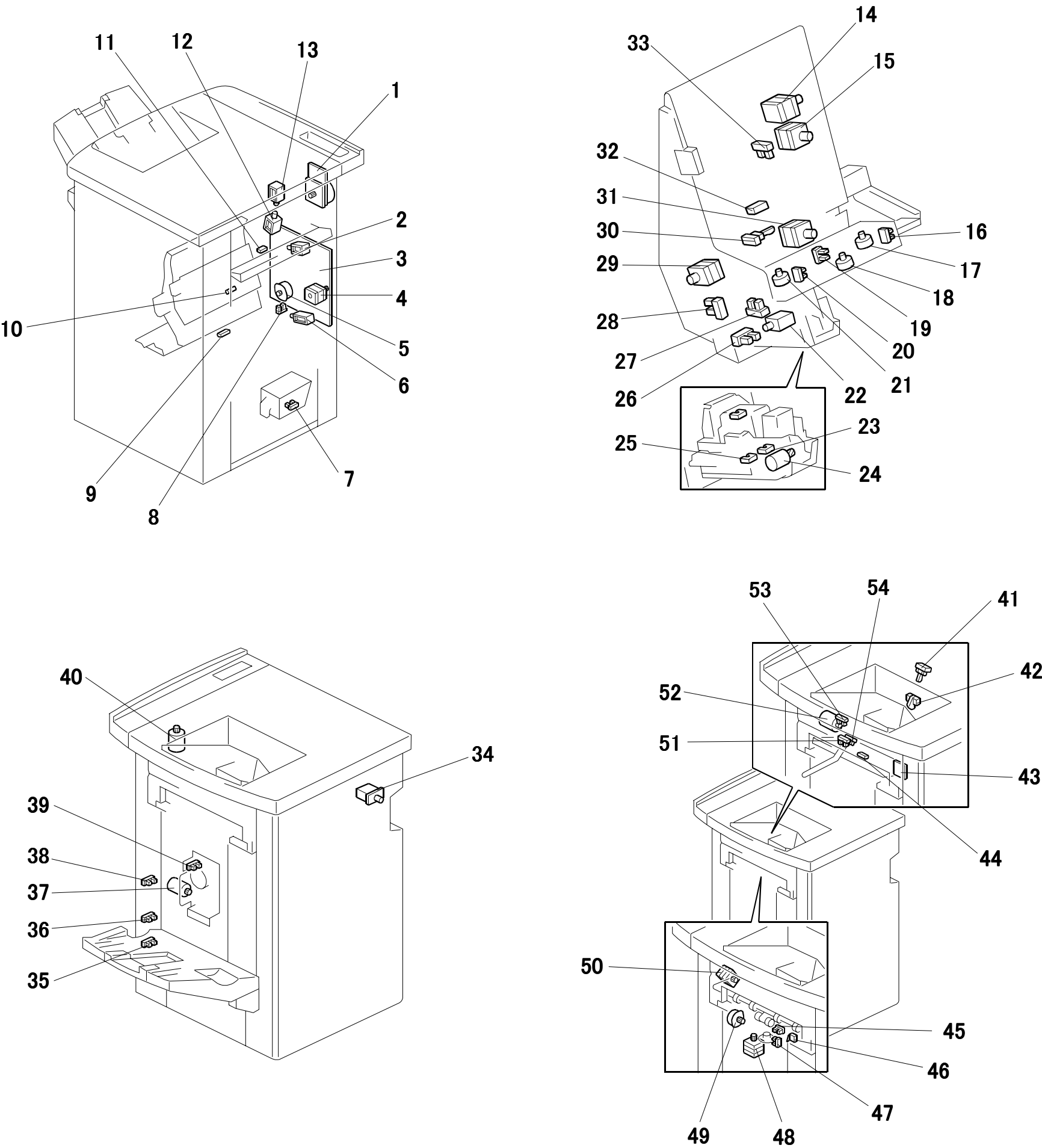
Symble	Name	Index No.	P to P	Page
Boards (PCB)				
PCB1	Main Board	29	E1	1/2
PCB2	Booklet Stapler Board	32	E4	2/2
PCB3	Punch Unit Board	62	C1	1/2
Motors				
M1	Entrance Motor	21	I6	1/2
M2	Upper Transport Motor	3	I5	1/2
M3	Lower Transport Motor	20	I6	1/2
M4	Upper/Proof Tray Exit Motor	1	I4	1/2
M5	Feed Out Belt Motor	37	I3	1/2
M6	Corner Stapler Movement Motor	42	I2	1/2
M7	Paper Position Sensor Slide Motor	63	B2	1/2
M8	Clamp Roller Retraction Motor	57	H3	2/2
M9	Punch Movement Motor	68	B2	1/2
M10	Stacking Sponge Roller Motor	12	I1	1/2
M11	Fold Plate Motor	51	H2	2/2
M12	Fold Roller Motor	50	H1	2/2
M13	Corner Stapler Rotation Motor	45	I2	1/2
M14	Positioning Roller Motor	26	I5	1/2
M15	Jogger Fence Motor	40	I3	1/2
M16	Fold Unit Bottom Fence Lift Motor	53	H2	2/2
M17	Stack Junction Gate Motor	48	H3	2/2
M18	Shift Roller Motor	16	I5	1/2
M19	Exit Guide Plate Motor	17	I4	1/2
M20	Corner Stapler EH530	44	I2	1/2
M21	Upper Tray Lift Motor	19	I2	1/2
M22	Booklet Stapler EH185R: Front	39	B3	1/2
M23	Booklet Stapler EH185R: Rear	38	B2	1/2
M24	Punch Drive Motor	60	B1	1/2

Symble	Name	Index No.	P to P	Page
Sensors				
S1	Finisher Entrance Sensor	7	E5	1/2
S2	Pre-stack Tray Exit Sensor	23	E5	1/2
S3	Paper Position Sensor	65	E5	1/2
S4	Punch Hopper Full Sensor	66	E4	1/2
S5	Shift Roller HP Sensor	15	B6	1/2
S6	Upper Tray Exit Sensor	13	B6	1/2
S7	Exit Guide Plate HP Sensor	4	B6	1/2
S8	Upper Tray Paper Height Sensor (Staple Mode)	14	B6	1/2
S9	Upper Tray Paper Height Sensor (Non-Staple Mode)	8	B5	1/2
S10	Proof Tray Exit Sensor	5	B5	1/2
S11	Proof Tray Full Sensor	6	B5	1/2
S12	Upper Tray Limit Sensor	9	B5	1/2
S13	Stacking Roller HP Sensor	11	B5	1/2
S14	Stapling Tray Paper Sensor	43	B4	1/2
S15	Jogger Fence HP Sensor	41	B4	1/2
S16	Stack Feed-Out Belt HP Sensor	36	B4	1/2
S17	Corner Stapler HP Sensor	46	B4	1/2
S18	Stapler Rotation HP Sensor	47	B4	1/2
S19	Upper Tray Full Sensor (B700/B701)	31	B3	1/2
S20	Upper Tray Full Sensor (B701 only)	30	B3	1/2
S21	Punch Movement HP Sensor	67	B2	1/2
S22	Paper Position Side HP Sensor	64	B2	1/2
S23	Punch HP Sensor	61	B1	1/2
S24	Punch Encoder Sensor	59	B1	1/2
S25	Clamp Roller HP Sensor	49	B6	2/2
S26	Fold Unit Entrance Sensor	56	B6	2/2
S27	Stack Junction Gate HP Sensor	35	B5	2/2
S28	Fold Bottom Fence HP Sensor	55	B5	2/2
S29	Fold Plate HP Sensor	52	B5	2/2
S30	Fold Cam HP Sensor	54	B5	2/2
S31	Fold Unit Exit Sensor	58	B4	2/2
S32	Stack Present Sensor	34	B4	2/2
S33	Lower Tray Full Sensor - Rear	28	B1	2/2
S34	Lower Tray Full Sensor - Front	27	B1	2/2
Solenoids				
SOL1	Proof Junction Gate Solenoid	18	I4	1/2
SOL2	Stapling Tray Junction Gate Solenoid	2	I4	1/2
SOL3	Positioning Roller Solenoid	25	I4	1/2
SOL4	Stapling Edge Pressure Plate Solenoid	24	I4	1/2
SOL5	Booklet Pressure Roller Solenoid	33	H5	2/2
Switches				
SW1	Front Door Safety Switch	22	E5	1/2
SW2	Upper Tray Limit SW	10	I1	1/2

3000-SHEET FINISHER (B706) POINT TO POINT DIAGRAM



3000-SHEET FINISHER (B706) ELECTRICAL COMPONENT LAYOUT

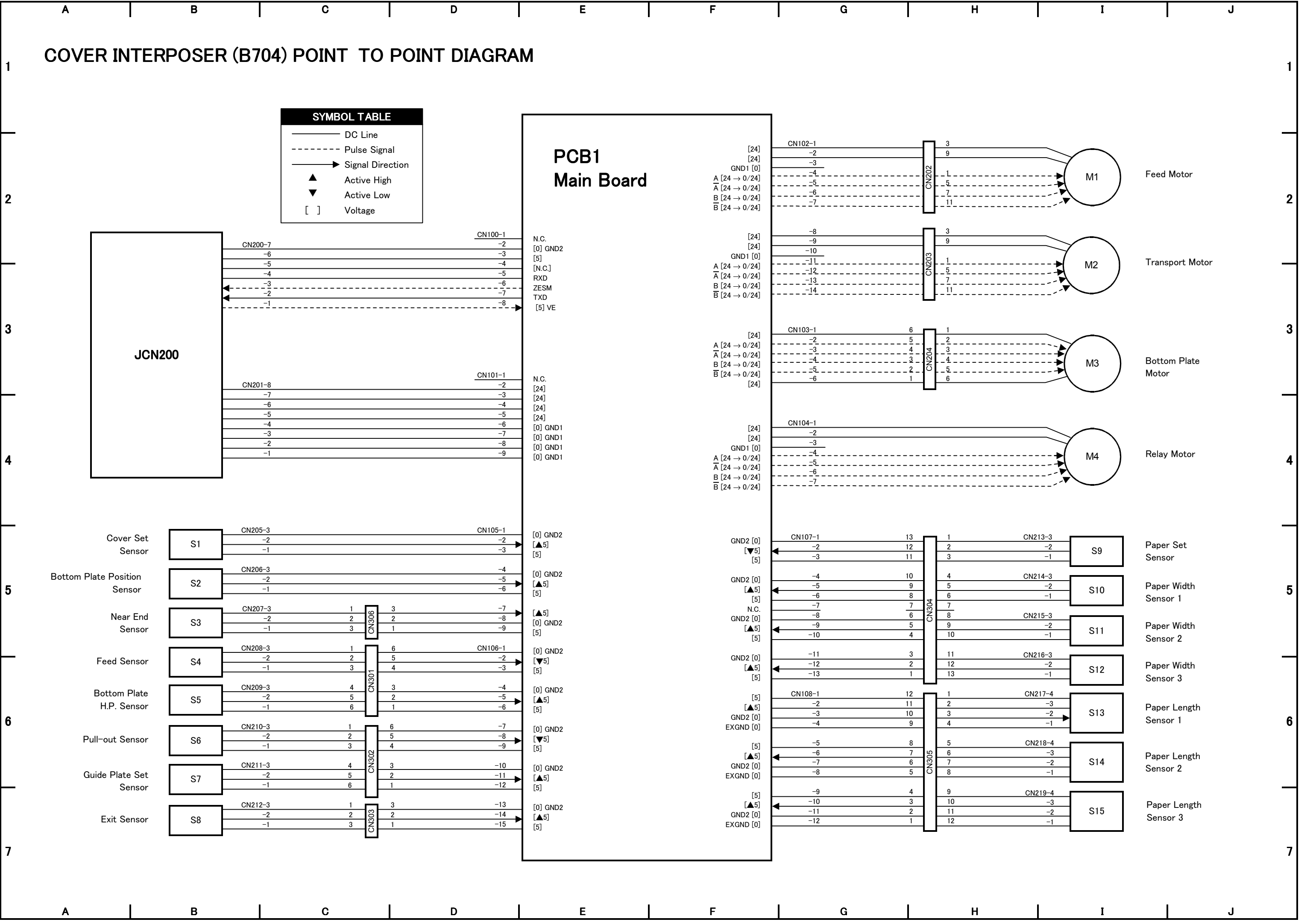


Symbol	Index No.	Description	P to P
Sensors			
S1	11	Entrance Sensor	A1
S2	41	Upper Tray Exit Sensor	A1
S3	42	Upper Tray Limit Sensor	A1
S4	44	Shift Tray Exit Sensor	A2
S5	53	Exit Guide Open Sensor	A2
S6	54	Shift Paper Height Sensor	A2
S7	51	Stapling Paper Height Sensor	A2
S9	38	Shift Lower Limit - Large Paper Sensor	A3
S10	36	Shift Lower Limit 2 Sensor	A3
S11	35	Shift Lower Limit 3 Sensor	A3
S12	45	Shift Tray Paper Height Sensor	A3
S13	47	Stacking Roller HP	A3
S14	39	Shift Tray Half-Turn Sensor	A4
S15	10	Pre-Stack Tray Paper Sensor	A4
S16	9	Stapler Tray Entrance Sensor	A4
S17	8	Positioning Roller HP Sensor	A4
S18	30	Stack Feed-Out Belt HP Sensor	A4
S19	32	Stapler Tray Paper Sensor	A5
S20	33	Jogger HP Sensor	A5
S21	19	Stack Plate-Center HP Sensor	A5
S22	20	Stack Plate-Front HP Sensor	A5
S23	16	Stack Plate-Rear HP Sensor	A5
S24	28	Stapler HP Sensor	A6
S25	26	Stapler Rotation HP Sensor	A6
S26	27	Stapler Return Sensor	A6
S27	7	Staple Waste Hopper Sensor	A6
S28	-	Punch Waste Hopper Sensor	I3
S29	-	Punch HP Sensor 1	I3
S30	-	Punch HP Sensor 2	I3
S31	-	Shift Jogger HP Sensor	J5
S32	-	Shift Jogger Lift HP Sensor	J5
Motors			
M1	50	Shift Tray Exit Motor	A7
M2	40	Shift Tray Lift Motor	A7
M3	52	Exit Guide Motor	A7
M4	4	Lower Transport Motor	F1
M5	37	Shift Motor	F1
M6	5	Positioning Roller Motor	F3
M7	48	Stacking Roller Drug Motor	F3
M8	49	Stacking Roller Motor	F3
M9	15	Jogger Motor	F4
M10	14	Stack Feed-Out Belt Motor	F4
M11	18	Stack Plate-Center Motor	F5
M12	31	Stapler Motor	F5
M13	21	Stack Plate-Front Motor	F5
M14	17	Stack Plate-Rear Motor	F6
M15	29	Stapler Rotation Motor	I1
M16	24	Stapler Hammer Motor	I2
M17	-	Punch Motor	I3
M18	1	Upper Transport Motor	I4
M19	-	Shift Jogger Motor	J6
M20	-	Shift Jogger Lift Motor	J6
Solenoids			
SOL1	13	Upper Tray Junction Gate Solenoid	F2
SOL2	12	Stapler Junction Gate Solenoid	F2
SOL3	2	Pre-Stack Junction Gate Solenoid	F2
SOL4	6	Pre-Stack Paper Stopper Solenoid	F3
SOL5	22	Stapler Return Solenoid	I2
Switches			
SW1	46	Shift Tray Upper Limit Switch	F2
SW2	34	Front Door Safety Switch	E6
SW3	43	Emergency Stop Switch	I4
PCBs			
PCB	3	Main Board	-

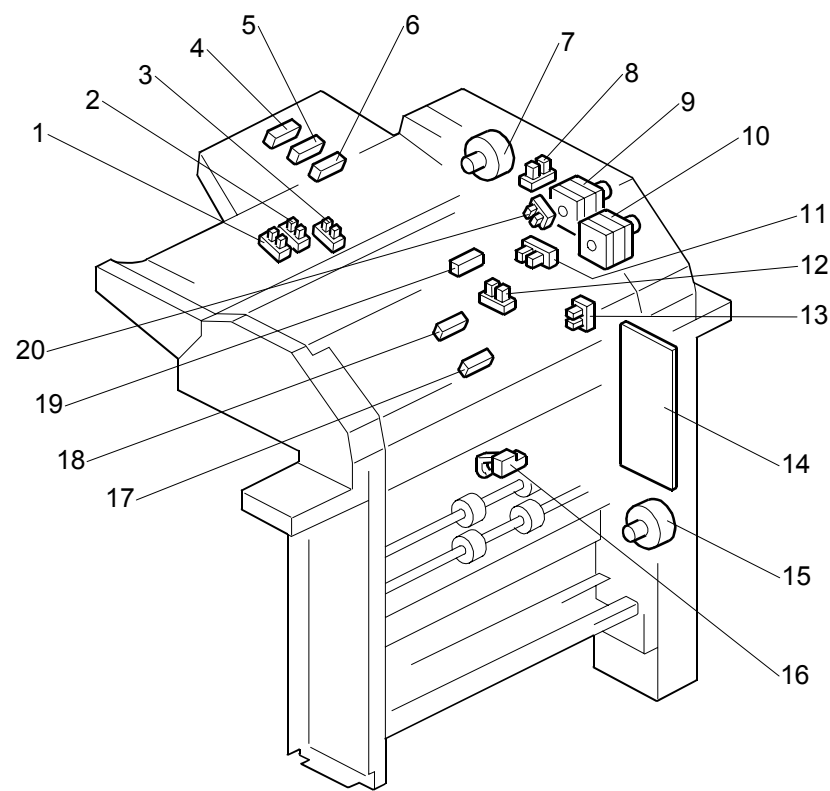
COVER INTERPOSER (B704) POINT TO POINT DIAGRAM

SYMBOL TABLE	
	DC Line
	Pulse Signal
	Signal Direction
	Active High
	Active Low
[]	Voltage

PCB1
Main Board



COVER INTERPOSER (B704) ELECTRICAL COMPONENT LAYOUT



B470V002.WMF

Symbol	Index No.	Description	P to P
Motors			
M1	9	Feed	I2
M2	10	Transport	I2-I3
M3	7	Bottom Plate	I3
M4	15	Relay	I4
Sensors			
S1	8	Cover Set	B5
S2	20	Bottom Plate Position	B5
S3	11	Near End	B5
S4	18	Feed	B6
S5	12	Bottom Plate HP	B6
S6	17	Pull-out	B6
S7	13	Guide Plate Set	B6-B7
S8	16	Exit	B7
S9	19	Paper Set	I5
S10	3	Paper Width 1	I5
S11	2	Paper Width 2	I5
S12	1	Paper Width 3	I6
S13	6	Paper Length 1	I6
S14	5	Paper Length 2	I6
S15	4	Paper Length 3	I7
PCBs			
PCB1	14	Main	E2-E7