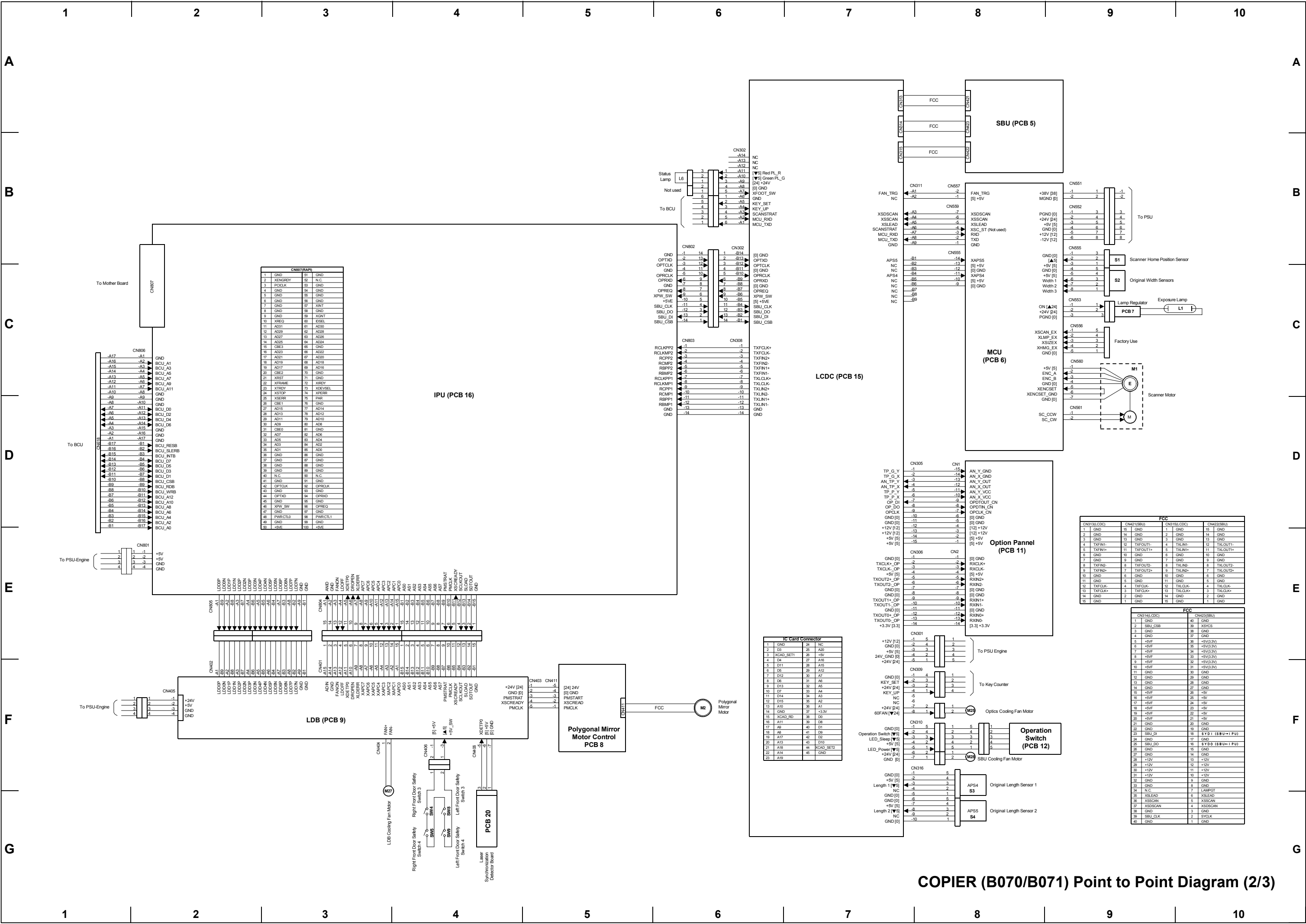
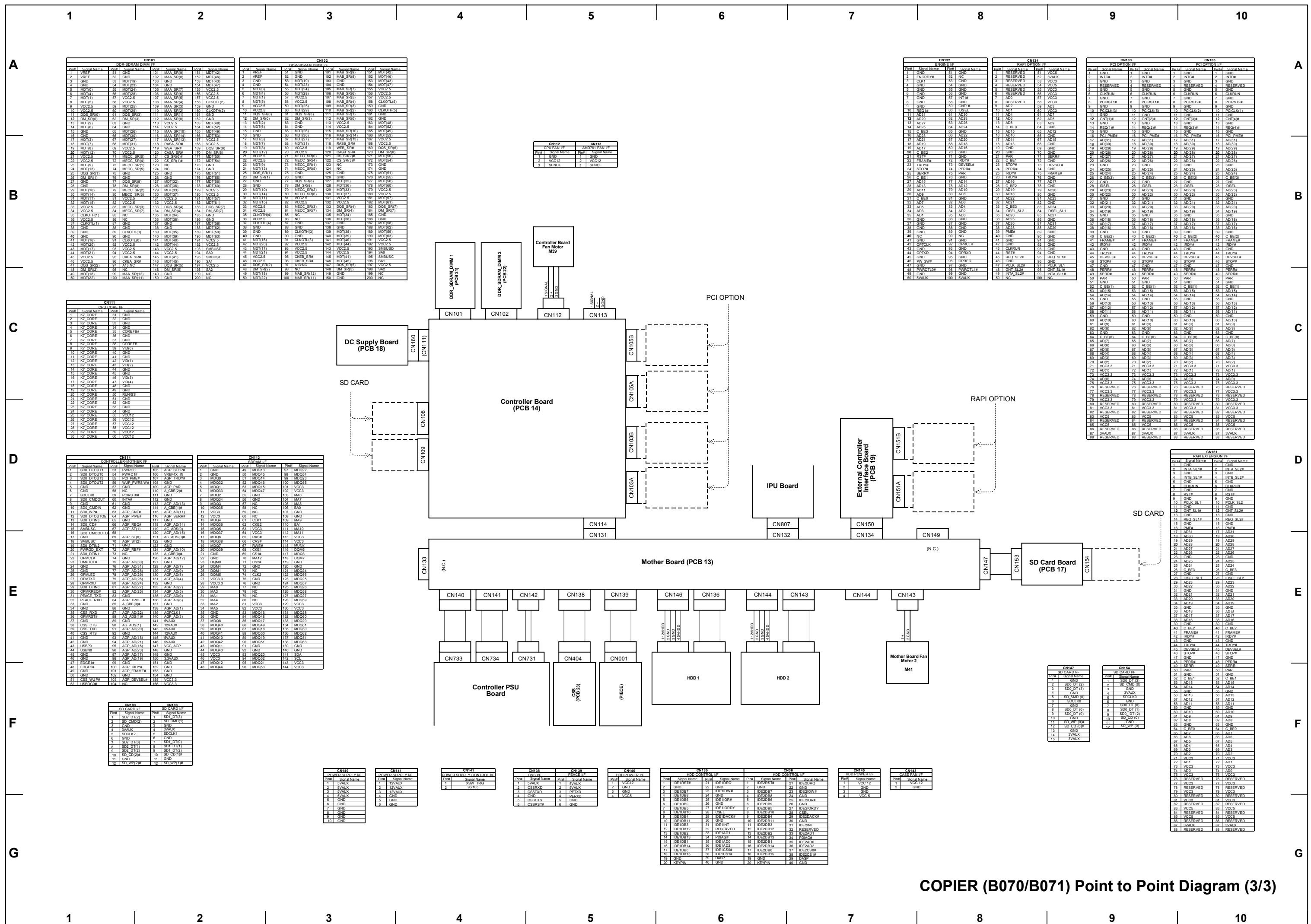


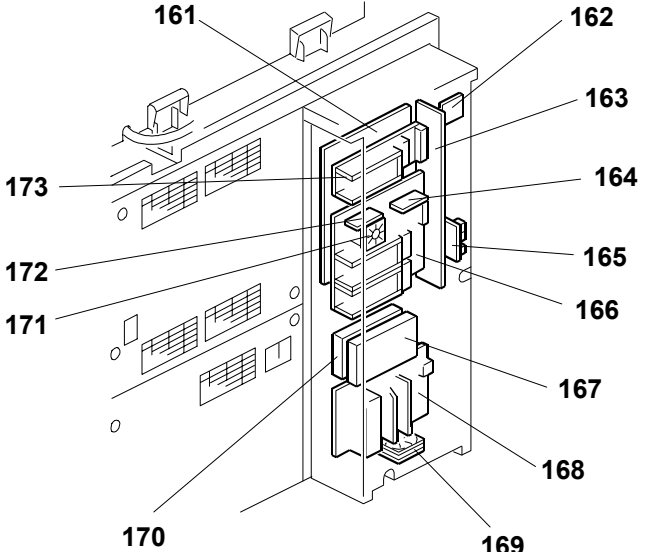
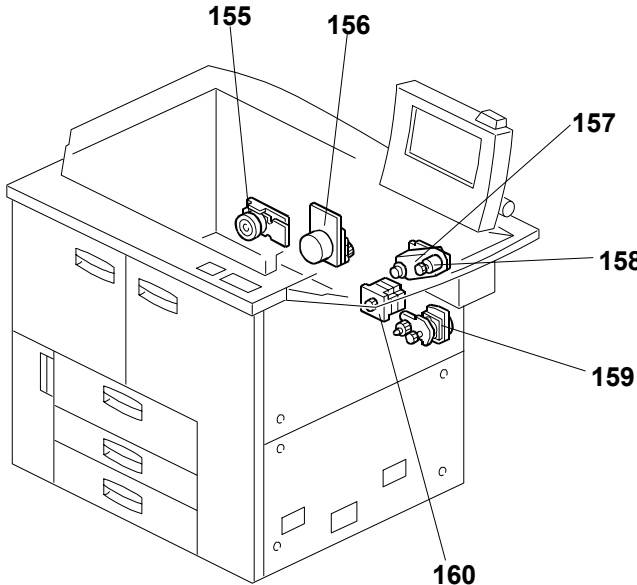
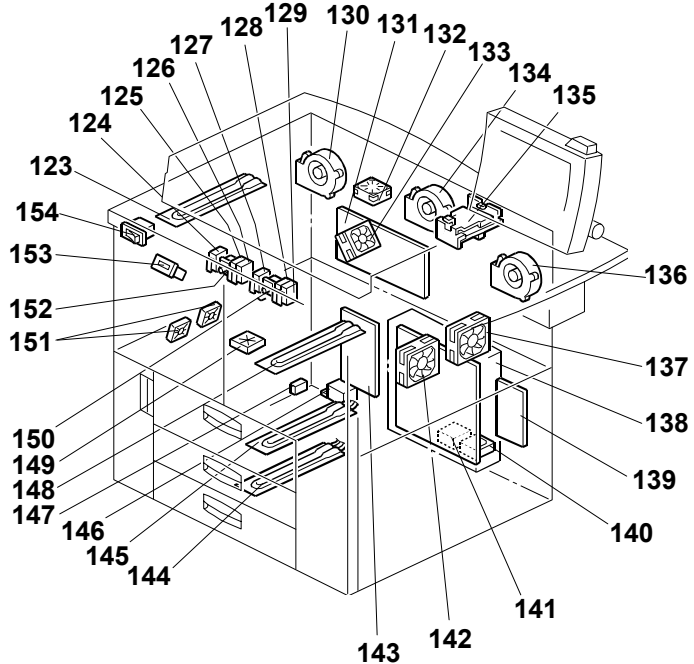
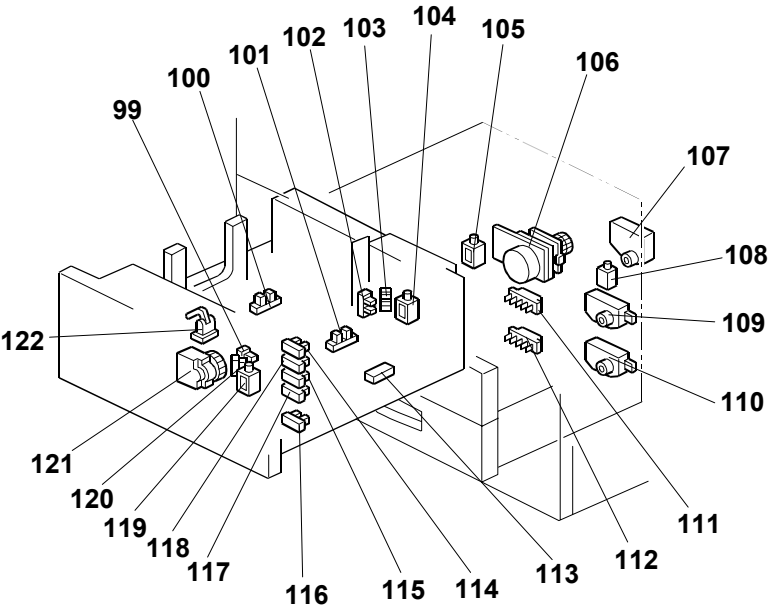
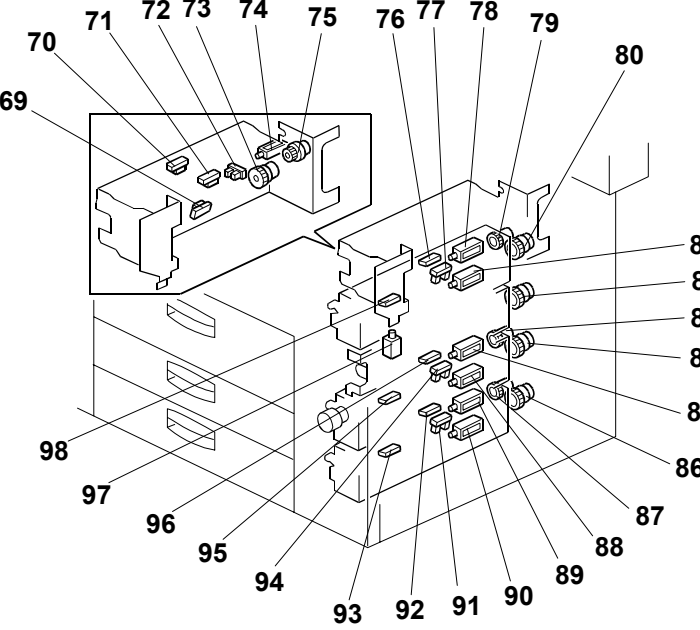
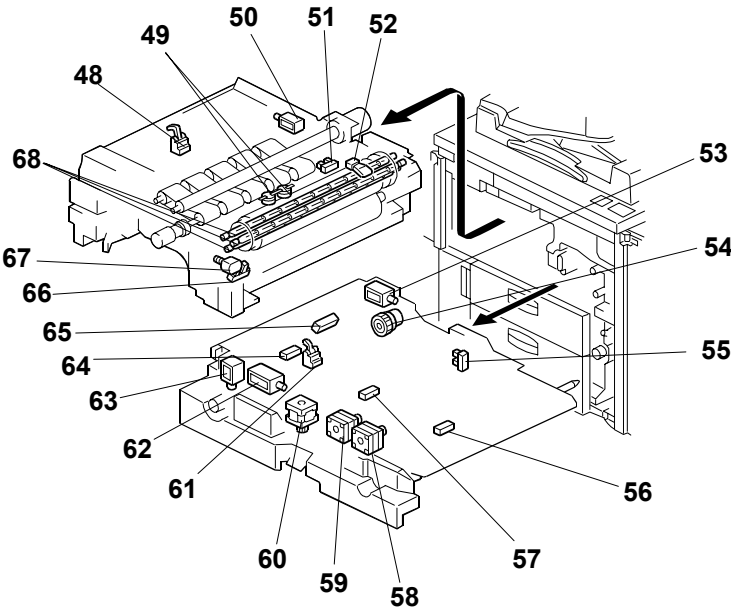
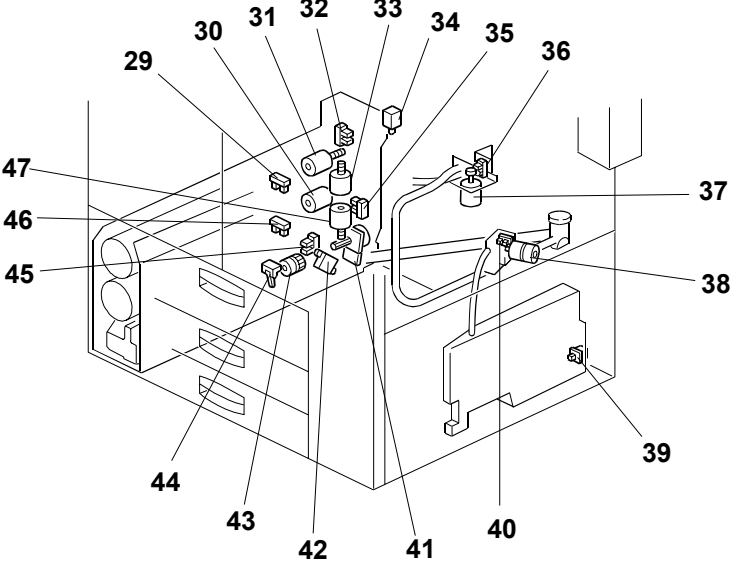
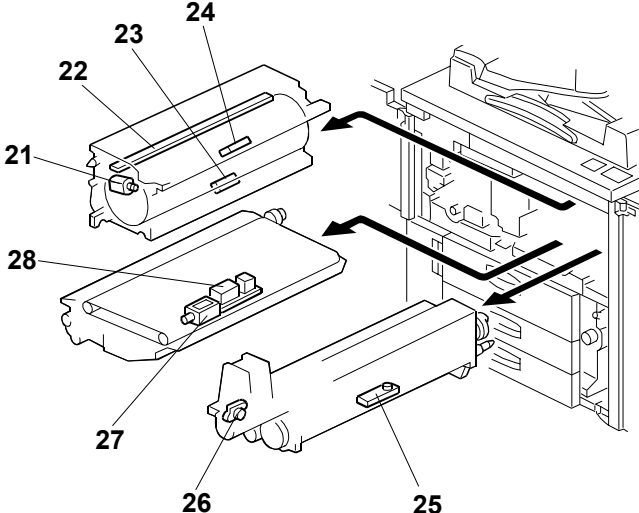
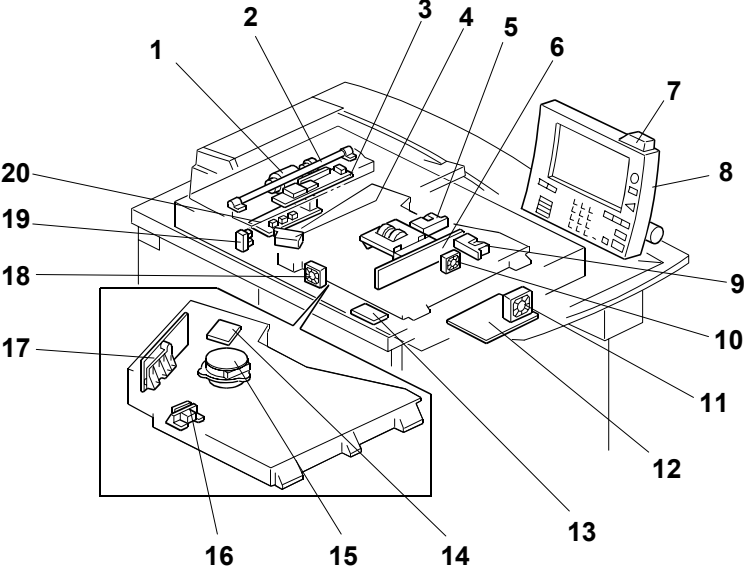




COPIER (B070/B071) Point to Point Diagram (2/3)



ELECTRICAL COMPONENT LAYOUT (B070/B071) (1/2)



ELECTRICAL COMPONENT LAYOUT (B070/B071) (2/2)

Symbol	Index No.	Description	P to P	Page
Motors				
M1	1	Scanner	C9 ~ D9	2/3
M2	15	Polygonal Mirror	F6	2/3
M3	156	Drum	D5	1/3
M4	157	Development	D5	1/3
M5	37	Toner Supply Pump	D5	1/3
M6	41	Toner Bank	F1	1/3
M7	33	Upper Toner Bottle	G1	1/3
M8	31	Upper Bottle Cap	F1	1/3
M9	47	Lower Toner Bottle	G1	1/3
M10	30	Lower Bottle Cap	G1	1/3
M11	21	Charge Corona Wire Cleaner	G7	1/3
M12	155	Fusing/Exit	D5	1/3
M13	106	Paper Feed	C3	1/3
M14	159	Relay	F9	1/3
M15	107	1st Tray Lift	C3	1/3
M16	109	2nd Tray Lift	E1	1/3
M17	110	3rd Tray Lift	E1	1/3
M18	160	Registration	D6	1/3
M19	67	Web	G6	1/3
M20	121	Rear Fence Drive	C1	1/3
M21	60	Jogger	G9	1/3
M22	59	Duplex Transport 1	G9	1/3
M23	58	Duplex Transport 2	G9	1/3
M24	38	Toner Suction	D5	1/3
M25	11	Optics Cooling Fan	F8	2/3
M26	18	Polygonal Mirror Motor Cooling Fan	F5	1/3
M28	10	SBU Cooling Fan	F8	2/3
M29	136	Drum Cooling Fan	F4	1/3
M30	142	Development Unit Cooling Fan 1	F4	1/3
M31	137	Development Unit Cooling Fan 2	F4	1/3
M32	133	Paper Cooling Pipe Fan 1	F5	1/3
M33	132	Paper Cooling Pipe Fan 2	F4	1/3
M34	149	Duplex Cooling Fan	F5	1/3
M35	134	Exhaust Fan	F5	1/3
M36	130	Steam Removal Fan	F5	1/3
M37	151	Duplex Entrance Cooling Fan 1	F5	1/3
M38	154	Duplex Entrance Cooling Fan 2	F5	1/3
M39	171	Controller Board Fan	B5	3/3
M40	169	Mother Board Fan 1	F7	3/3
M42	140	PSU Cooling Fan 1	-	-
M43	141	PSU Cooling Fan 2	-	-

Symbol	Index No.	Description	P to P	Page
Sensors				
S1	19	Scanner HP	C9	2/3
S2	4	Original Width	C9	2/3
S3	5	Original Length 1	F8	2/3
S4	9	Original Length 2	G8	2/3
S5	24	Drum Potential	F7	1/3
S6	25	Toner Density (TD)	F4	1/3
S7	23	Image Density (ID)	F7	1/3
S8	26	Toner Hopper	F4	1/3
S9	36	Toner Supply Pump Motor Rotation	D5	1/3
S10	29	Upper Toner Bottle	F1	1/3
S11	46	Lower Toner Bottle	G1	1/3
S12	32	Upper Bottle Inner Cap	F1	1/3
S13	35	Lower Bottle Inner Cap	G1	1/3
S14	44	Toner Collection Bottle	F1	1/3
S15	45	Toner Overflow	F1	1/3
S16	42	Toner Near End	F1	1/3
S17	76	1st Paper Feed	A1	1/3
S18	96	2nd Paper Feed	A1	1/3
S19	92	3rd Paper Feed	B1	1/3
S20	77	1st Tray Lift	A1	1/3
S21	94	2nd Tray Lift	B1	1/3
S22	91	3rd Tray Lift	B1	1/3
S23	98	1st Paper End	A1	1/3
S24	95	2nd Paper End	A1	1/3
S25	93	3rd Paper End	B1	1/3
S26	100	Rear Fence HP	C1	1/3
S27	101	Rear Fence Return	C1	1/3
S28	120	Front Side Fence Open	D1	1/3
S29	99	Front Side Fence Closed	D1	1/3
S30	103	Rear Side Fence Open	D1	1/3
S31	102	Rear Side Fence Closed	D1	1/3
S32	116	Lower Limit	D1	1/3
S33	114	1st Tray Paper Height 1	D1	1/3
S34	118	1st Tray Paper Height 2	D1	1/3
S35	115	1st Tray Paper Height 3	D1	1/3
S36	117	1st Tray Paper Height 4	D1	1/3
S37	122	Left 1st Tray Paper	C1	1/3
S38	113	Right 1st Tray Paper	D1	1/3
S39	61	Duplex Inverter	F8	1/3
S40	65	Duplex Entrance	F8	1/3
S41	64	Duplex Transport 1	F8	1/3
S42	57	Duplex Transport 2	F8	1/3
S43	56	Duplex Transport 3	G8	1/3
S44	55	Jogger HP	F8	1/3
S45	71	LCT Relay	F10	1/3
S46	69	Relay	F10	1/3
S47	70	Registration	G10	1/3
S48	72	Guide Plate Position	F10	1/3
S49	66	Web End	G6	1/3
S50	51	Fusing Exit	G6	1/3
S51	48	Exit	G6	1/3
S52	40	Toner Suction Motor Rotation	D5	1/3
S53	39	Toner Suction Bottle Set	B3	1/3

Symbol	Index No.	Description	P to P	page
Switches				
SW1	154	Main Power	B5	1/3
SW2	127	Right Front Door Safety 1	C6	1/3
SW3	150	Right Front Door Safety 2	B3	1/3
SW4	128	Right Front Door Safety 3	G4	2/3
SW5	129	Right Front Door Safety 4	G4	2/3
SW6	124	Left Front Door Safety 1	C6	1/3
SW7	152	Left Front Door Safety 2	B3	1/3
SW8	125	Left Front Door Safety 3	G4	2/3
SW9	126	Left Front Door Safety 4	G4	2/3
SW10	111	2nd Tray Paper Size	E2	1/3
SW11	112	3rd Tray Paper Size	E2	1/3

Symbol	Index No.	Description	P to P	Page
Solenoids				
SOL1	27	Transfer Belt Lift	G7	1/3
SOL2	78	1st Pick-up	A1	1/3
SOL3	85	2nd Pick-up	B1	1/3
SOL4	89	3rd Pick-up	B1	1/3
SOL5	81	1st Separation Roller	B1	1/3
SOL6	88	2nd Separation Roller	B1	1/3
SOL7	90	3rd Separation Roller	C1	1/3
SOL8	119	Front Side Fence	D1	1/3
SOL9	104	Rear Side Fence	D1	1/3
SOL10	108	Tandem Tray Connect	C3	1/3
SOL11	105	Left 1st Tray Lock	C3	1/3
SOL12	63	Duplex Inverter Gate	G8	1/3
SOL13	62	Reverse Roller	G8	1/3
SOL14	53	Inverter Guide Plate	G8	1/3
SOL15	74	Guide Plate	F10	1/3
SOL16	50	Inverter Gate	G6	1/3
SOL17	34	Toner Recycling Shutter	F5	1/3
SOL18	97	LCT Guide Plate	F10	1/3

Symbol	Index No.	Description	P to P	Page
Magnetic Clutches				
MC1	43	Toner Supply Coil	F1	1/3
MC2	158	Toner Supply Roller	D5	1/3
MC3	79	1st Paper Feed	B1	1/3
MC4	83	2nd Paper Feed	C1	1/3
MC5	87	3rd Paper Feed	C1	1/3
MC6	54	Inverter Exit Roller	G8	1/3
MC7	80	1st Vertical Transport	B1	1/3
MC8	84	2nd Vertical Transport	C1	1/3
MC9	86	3rd Vertical Transport	C1	1/3
MC10	73	Upper Relay	F9	1/3
MC11	75	LCT Relay	F10	1/3
MC12	82	Lower Relay	F1	1/3

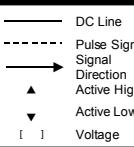
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PCBs				
PCB1	131	BCU	D4,F4 ~ E10,F10	1/3
PCB2	138	PSU-Engine	B6	1/3
PCB3	168	PSU-Controller	A8 ~ B8	1/3
PCB4	139	IOB	A2,A3 ~ G2,G3	1/3
PCB5	6	SBU	A8 ~ B8	2/3
PCB6	20	MCU	B8 ~ D8	2/3
PCB7	3	Lamp Regulator	C9	2/3
PCB8	14	Polygonal Mirror Motor Control Board	F5	2/3
PCB9	17	LDB	F2 ~ F4	2/3
PCB10	143	AC Drive Board	A5	1/3
PCB11	8	Operation Panel	D8 ~ E8	2/3
PCB12	13	Operation Switch Board	F8	2/3
PCB13	163	Mother Board	E4 ~ E8	3/3
PCB14	166	Controller Board	C4,C5 ~ D4,D5	3/3
PCB15	12	LCDC	A7 ~ G7	2/3
PCB16	161	IPU	B2,B6 ~ E2,E6	2/3
PCB17	162	SD Card Board	E8 ~ E9	3/3
PCB18	172	DC Supply Board	C3	3/3
PCB19	173	External Controller Interface Board	D7	3/3
PCB20	16	Laser Synchronization Detector Board	G4	2/3
PCB21	164	DDR – SDRAM-DIMM 1	C4	3/3
PCB22	167	DDR – SDRAM-DIMM 2	C4	3/3
PCB23	165	CSS Board	F5	3/3

Symbol	Index No.	Description	P to P	Page
Lamps				
L1	2	Exposure Lamp	C10	1/3
L2	68	Fusing Lamp 1	A4	1/3
L3	68	Fusing Lamp 2	A4	1/3
L4	68	Fusing Lamp 3	A4	1/3
L5	22	Quenching Lamp	G7	1/3
L6	7	Status Lamp	B6	2/3

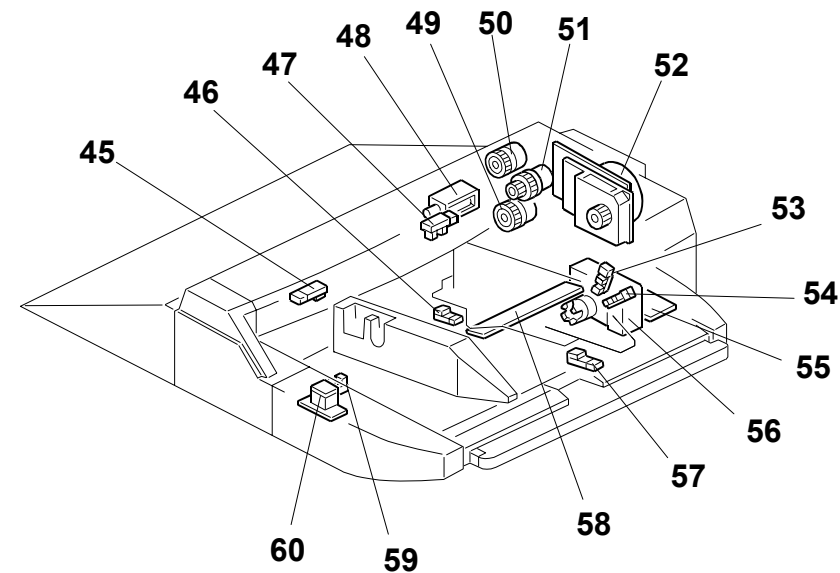
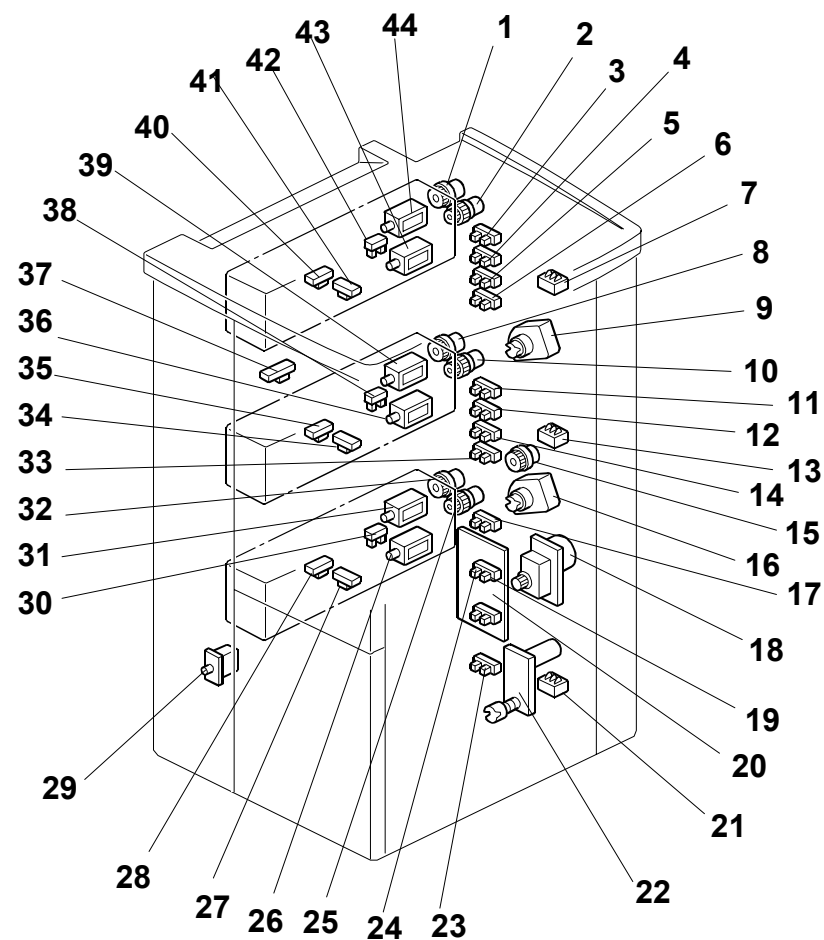
Symbol	Index No.	Description	P to P	Page
Power Packs				
PP1	135	CGB (Charge, Grid, Bias)	F6	1/3
PP2	28	Transfer	G7	1/3

Symbol	Index No.	Description	P to P	Page
Others				
CB1	147	Circuit Breaker	A4	1/3
H2	123	Optics Anti-condensation Heater (option)	A6	1/3
H3	148	Drum Anti-condensation Heater (option)	A6	1/3
H4	145	Tray Anti-Condensation Heater 1 (option)	A6	1/3
H5	144	Tray Anti-Condensation Heater 2 (option)	A6	1/3
HDD 1	167	HDD 1	E6	3/3
HDD 2	170	HDD 2	E6	3/3
NF1	146	Noise Filter	A4	1/3
TC1	153	Total Counter	F5	1/3
TH1	52	Fusing Thermistor	A4	1/3
TS1	49	Thermostat 1	A4	1/3
TS2	49	Thermostat 2	A4	1/3

G



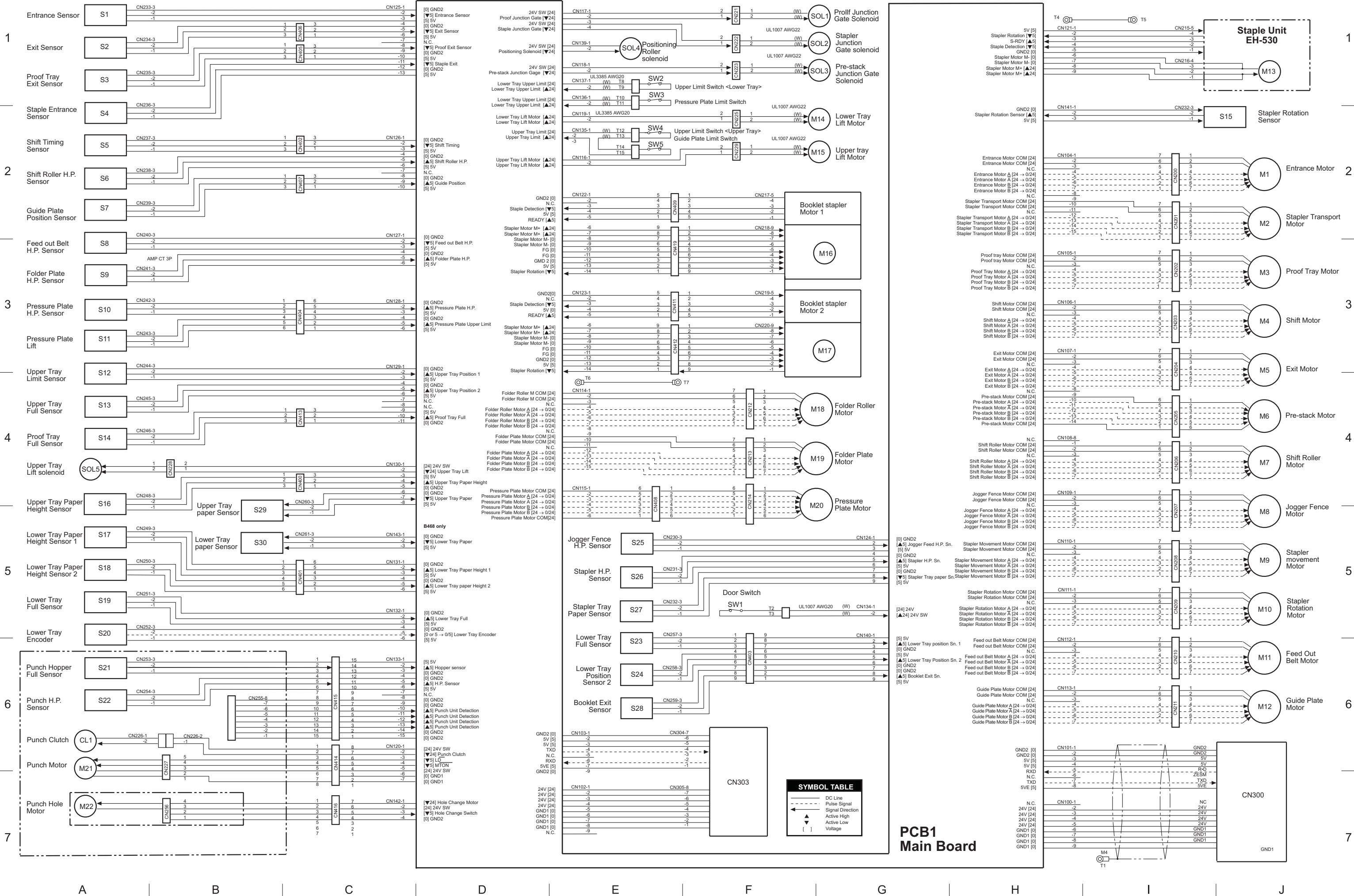
ELECTRICAL COMPONENT LAYOUT LCT(B511)/BY-PASS TRAY (B512)



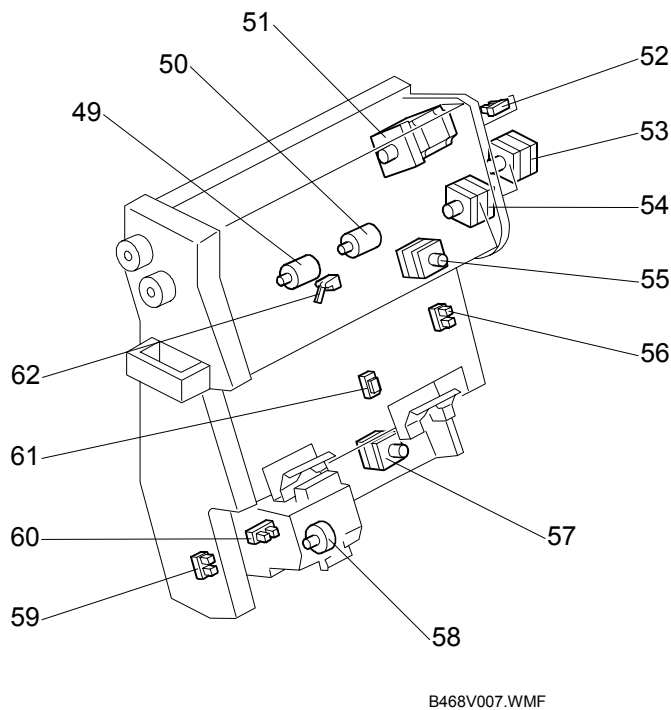
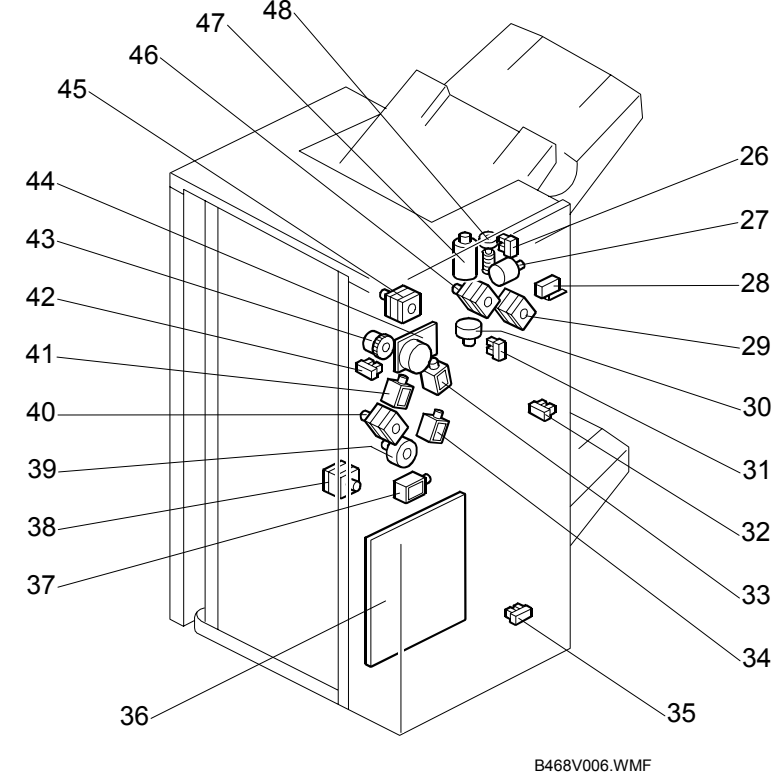
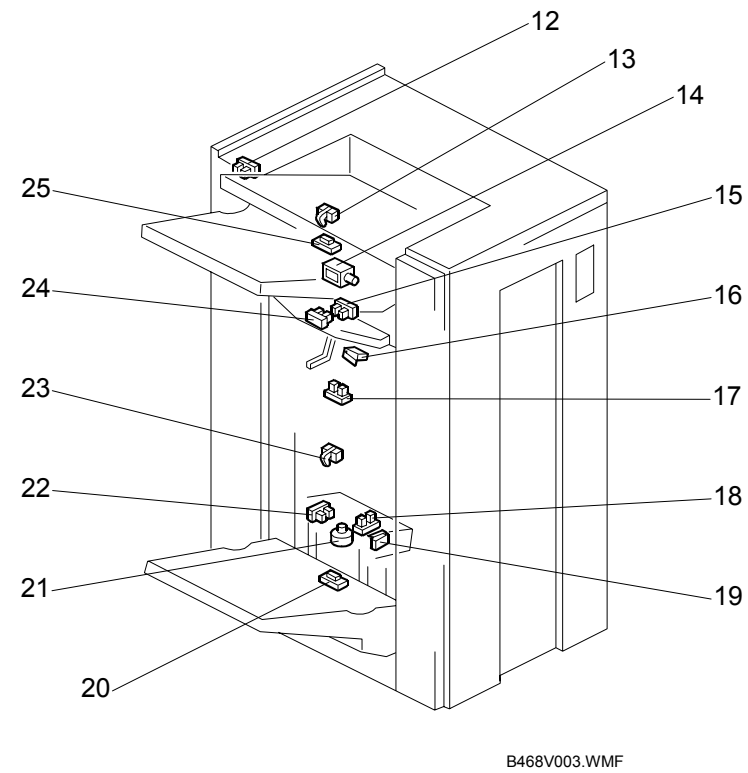
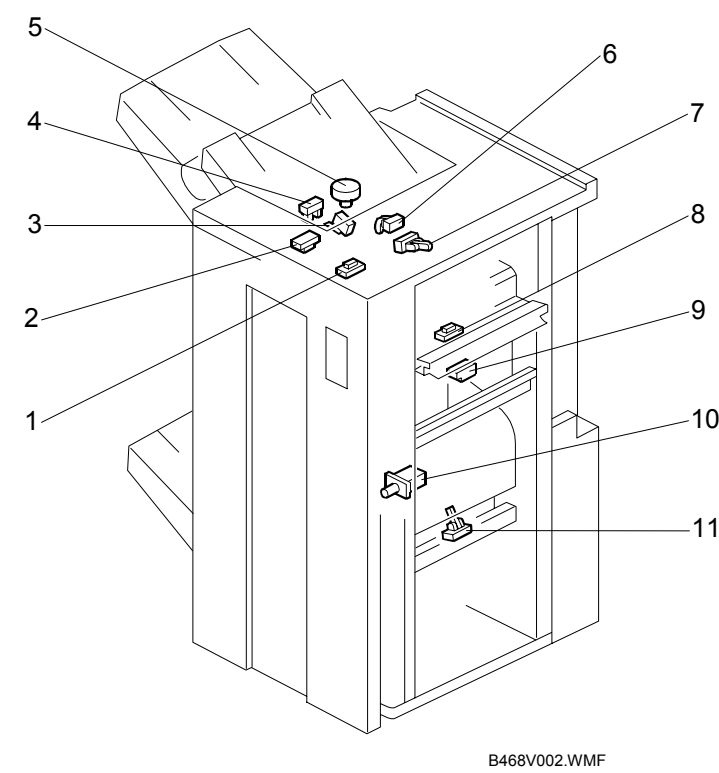
Symbol	Index No.	Description	P to P
Motors			
M1	18	LCT	G2
M2	9	1st Lift	G2
M3	16	2nd Lift	G2
M4	22	3rd Lift	G3
M5	52	Tray (By-pass Tray)	A7
M6	56	Tray Lift (By-pass Tray)	A10
Sensors			
S1	3	1st Paper Height 1	G3
S2	4	1st Paper Height 2	G3
S3	5	1st Paper Height 3	G3
S4	6	1st Paper Height 4	G4
S5	11	2nd Paper Height 1	G4
S6	12	2nd Paper Height 2	G4
S7	14	2nd Paper Height 3	G4
S8	33	2nd Paper Height 4	G4
S9	17	3rd Paper Height 1	G5
S10	19	3rd Paper Height 2	G5
S11	24	3rd Paper Height 3	G5
S12	23	3rd Paper Height 4	G5
S13	37	Exit	G5
S14	40	1st Paper Feed	G8
S15	41	1st Paper End	G8
S16	42	1st Lift	G8
S17	35	2nd Paper Feed	G9
S18	34	2nd Paper End	G9
S19	38	2nd Lift	G9
S20	28	3rd Paper Feed	G9
S21	27	3rd Paper End	G9
S22	30	3rd Lift	G10
S23	45	Paper Feed (By-pass Tray)	B8
S24	47	Tray Lift (By-pass Tray)	B8
S25	59	Lower Limit (By-pass Tray)	B8
S26	46	Paper End (By-pass Tray)	B9
S27	57	Paper Length (By-pass Tray)	B9
S28	53	Paper Height 1 (By-pass Tray)	B9
S29	54	Paper Height 2 (By-pass Tray)	B9

Symbol	Index No.	Description	P to P
Switches			
SW1	29	Front Door Safety	G5 ~ G6
SW2	7	1st Paper Size	G6
SW3	13	2nd Paper Size	G6
SW4	21	3rd Paper Size	G6
SW5	60	Tray Lift (By-pass Tray)	B8
SW6	58	Paper Width (By-pass Tray)	B9
Magnetic Clutches			
MC1	15	Transport	G3
MC2	2	1st Paper Feed	G7
MC3	1	1st Grip	G7
MC4	10	2nd Paper Feed	G7
MC5	8	2nd Grip	G7
MC6	25	3rd Paper Feed	G8
MC7	32	3rd Grip	G8
MC8	49	Transport (By-pass Tray)	G7
MC9	51	Paper Feed (By-pass Tray)	G7
MC10	50	Grip (By-pass Tray)	A8
Solenoids			
SOL1	44	1st Separation Roller	G7
SOL2	36	2nd Separation Roller	G7
SOL3	26	3rd Separation Roller	G7
SOL4	43	1st Pick-up	G8
SOL5	39	2nd Pick-up	G9
SOL6	31	3rd Pick-up	G10
SOL7	48	Pick-up (By-pass Tray)	A8
PCBs			
PCB1	20	LCT Control	E2 ~ E10
PCB2	55	By-pass Tray	C5 ~ C10
Heaters			
H1	-	Anti-condensation Heater 1	C5
H2	-	Anti-condensation Heater 2	C5

3000-SHEET FINISHER (B468) POINT TO POINT DIAGRAM



3000-SHEET FINISHER (B468) ELECTRICAL COMPONENT LAYOUT

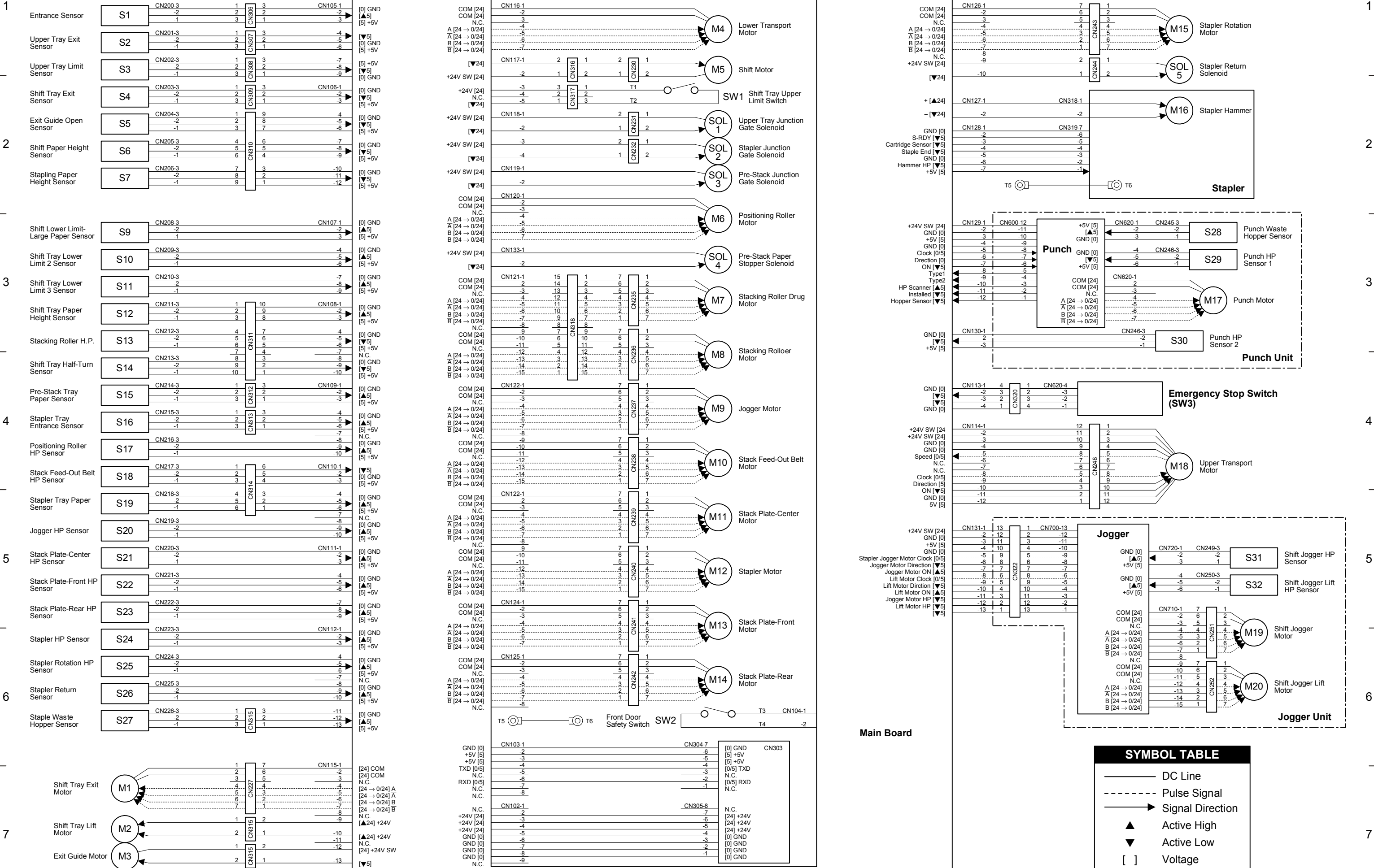


Symbol	Index No.	Description	P to P
Motors			
M1	40	Entrance Motor	J2
M2	38	Stapler Transport Motor	J2
M3	45	Proof Tray Motor	J3
M4	46	Shift Drive Motor	J3
M5	29	Exit Motor	J3
M6	39	Pre-Stack Motor	J4
M7	30	Shift Roller Motor	J4
M8	55	Jogger Motor	J5
M9	57	Stapler Movement Motor	J5
M10	58	Stapler Rotation Motor	J5
M11	54	Feed Out Belt Motor	J6
M12	5	Guide Plate Motor	J6
M14	47	Lower Tray Lift Motor	G2
M15	27	Upper Tray Lift Motor	G2
M16	48	Booklet Stapler Motor 1*	G3
M17	50	Booklet Stapler Motor 2*	G3
M18	51	Folder Roller Motor*	G4
M19	53	Folder Plate Motor*	G4
M20	21	Pressure Plate Motor*	G4
M21	44	Punch Motor	A7
Sensors			
S1	8	Finisher Entrance Sensor	A1
S2	2	Exit Sensor	A1
S3	7	Proof Tray Exit Sensor	A1
S4	11	Stapler Entrance Sensor	A2
S5	1	Shift Timing Sensor	A2
S6	31	Shift Roller HP Sensor	A2

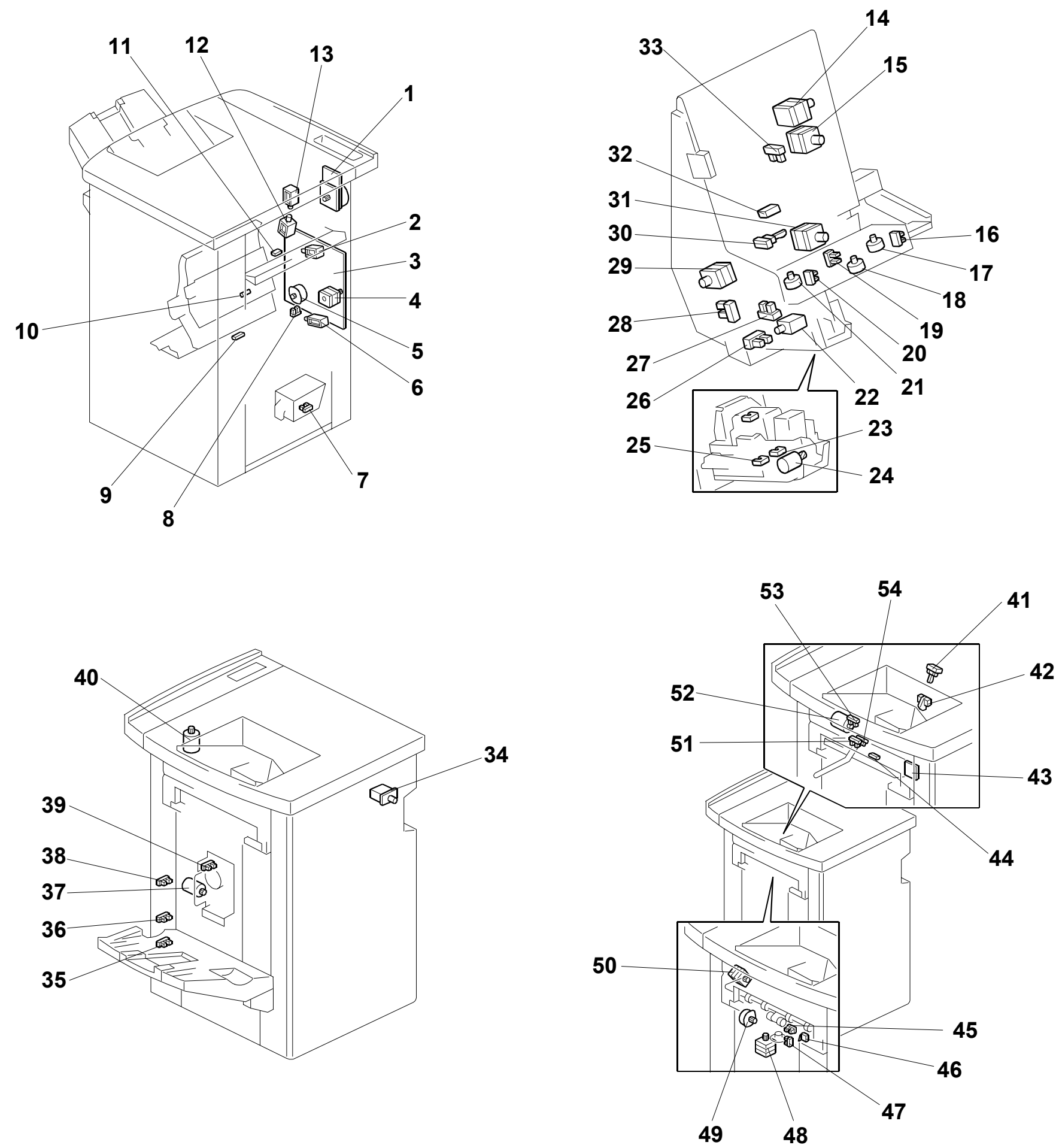
Symbol	Index No.	Description	P to P
S7	4	Guide Plate Position Sensor	A2
S8	62	Feed Out Belt HP Sensor	A3
S9	52	Folder Plate HP Sensor*	A3
S10	18	Pressure Plate HP Sensor	A3
S11	22	Pressure Plate Lift Sensor*	A3
S12	12	Upper Tray Limit Sensor	A4
S13	32	Upper Tray Full Sensor	A4
S14	6	Proof Tray Full Sensor	A4
S15	60	Stapler Rotation Sensor	J2
S16	13	Upper Tray Paper Height Sensor*	A5
S17	15	Paper Height Sensor 1* (Lower Tray)	A5
S18	24	Paper Height Sensor 2* (Lower Tray)	A5
S19	35	Lower Tray Full Sensor (Saddle Stitch Mode)	A5
S20	48	Lower Tray Encoder	A6
S21	9	Punch Hopper Full Sensor	A6
S22	42	Punch HP Sensor	A6
S23	23	Lower Tray Full Sensor (Sort/Shift mode)	E6
S24	26	Lower Tray Position Sensor	E6
S25	56	Jogger Fence HP Sensor	E5
S26	59	Stapler HP Sensor	E5
S27	61	Stapler Tray Paper Sensor	E5
S28	17	Booklet Exit Sensor	E6

Symbol	Index No.	Description	P to P
S29	25	Upper Tray Paper Sensor*	B5
S30	20	Lower Tray Paper Sensor*	B5
Switches			
SW1	10	Door Switch	F5
SW2	16	Upper Limit Switch (Lower Tray)	E1
SW3	19	Pressure Plate Limit Switch*	E1
SW4	28	Upper Limit Switch* (Upper Tray)	E2
SW5	3	Guide Plate Limit Switch	E2
Solenoids			
SOL1	41	Proof Junction Gate Solenoid	G1
SOL2	33	Stapler Junction Gate Solenoid	G1
SOL3	34	Pre-Stack Junction Gate Solenoid	G1
SOL4	37	Positioning Roller Solenoid	E1
SOL5	14	Upper Tray Lift Solenoid *	A4
Magnetic Clutches			
CL1	43	Punch Clutch	A6
PCBs			
PCB1	36	Main Board	D, H

3000-SHEET FINISHER (B478) POINT TO POINT DIAGRAM



3000-SHEET FINISHER (B478) ELECTRICAL COMPONENT LAYOUT



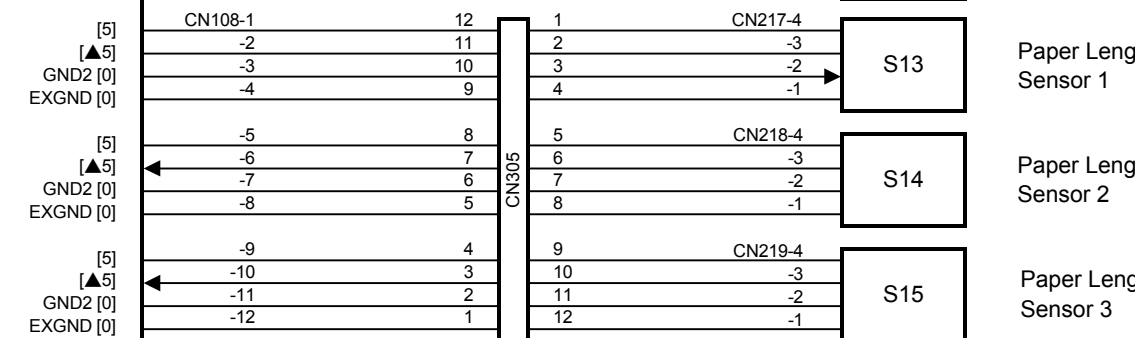
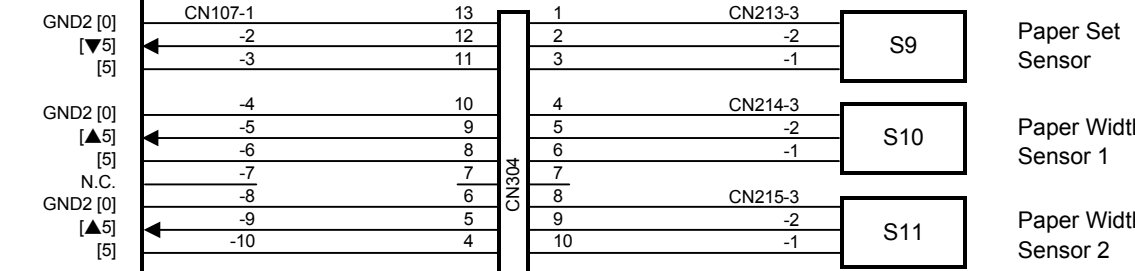
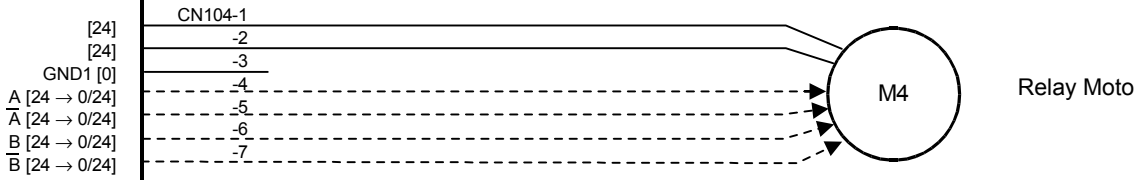
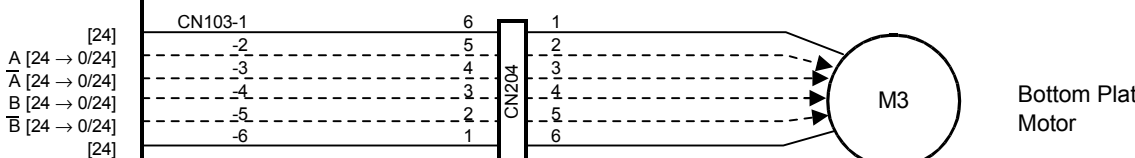
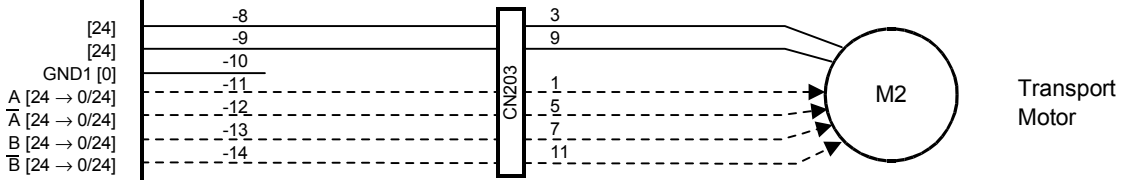
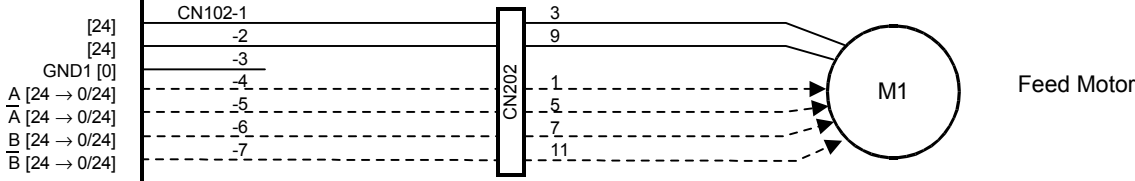
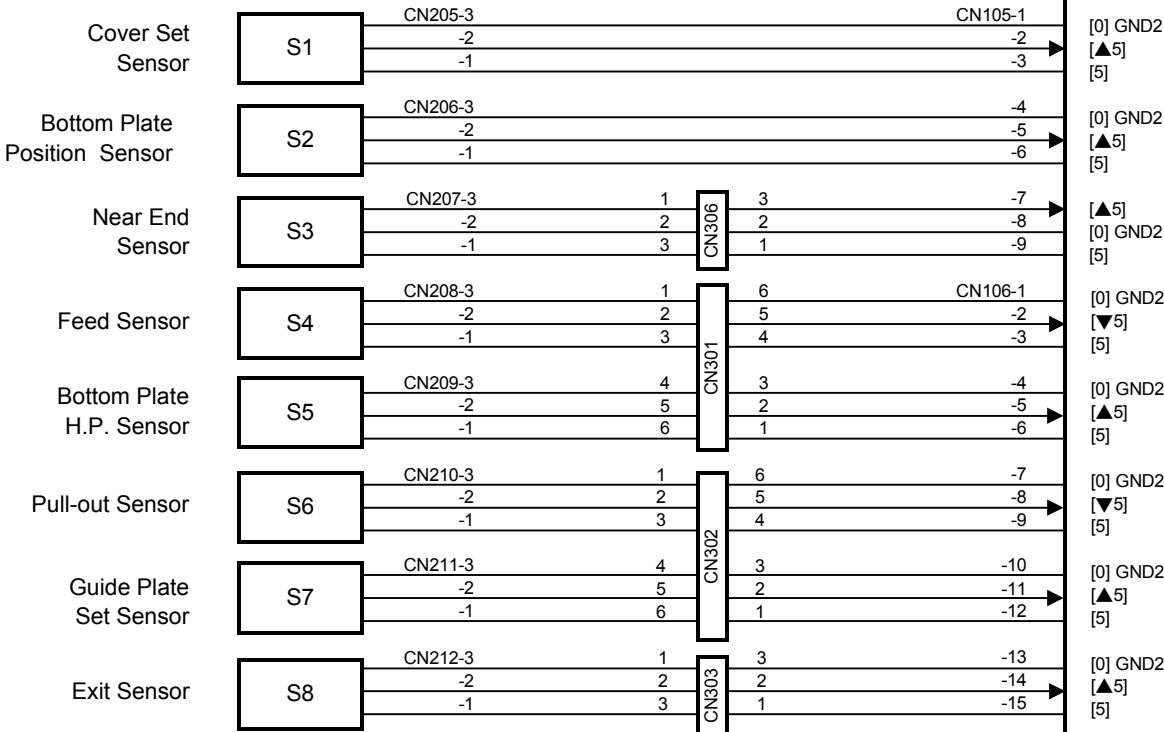
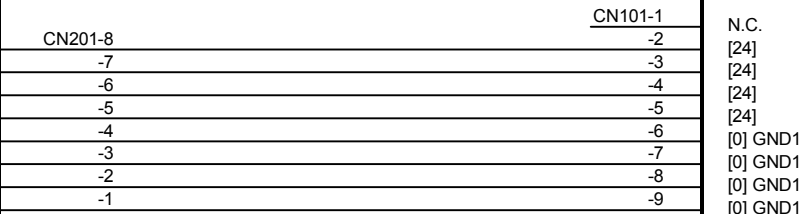
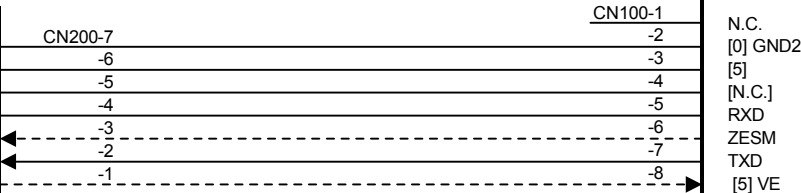
Symbol	Index No.	Description	P to P
Sensors			
S1	11	Entrance Sensor	A1
S2	41	Upper Tray Exit Sensor	A1
S3	42	Upper Tray Limit Sensor	A1
S4	44	Shift Tray Exit Sensor	A2
S5	53	Exit Guide Open Sensor	A2
S6	54	Shift Paper Height Sensor	A2
S7	51	Stapling Paper Height Sensor	A2
S9	38	Shift Lower Limit - Large 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 TRAY (B470) POINT TO POINT DIAGRAM

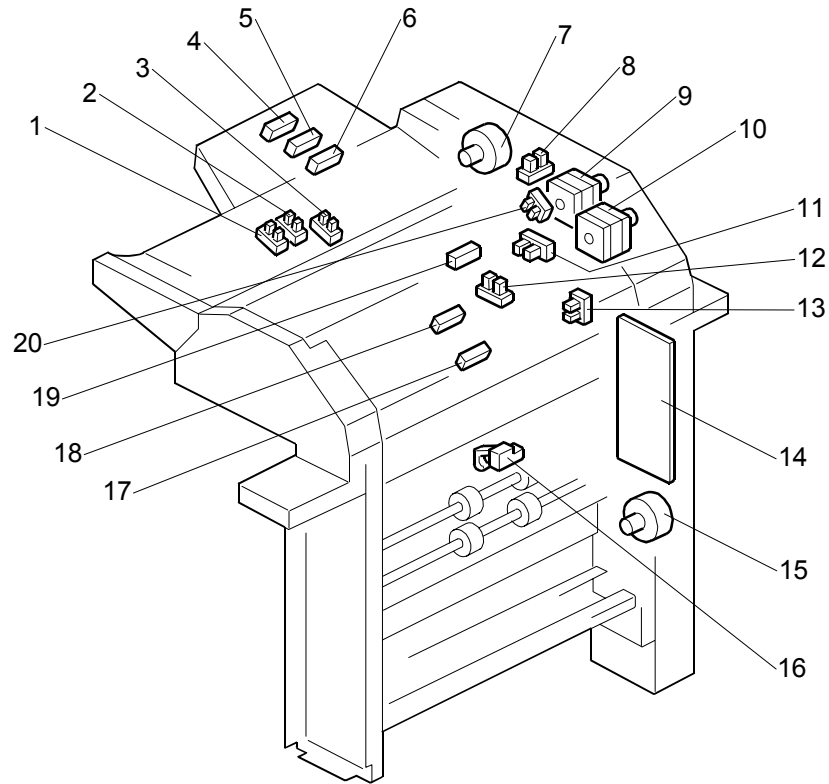
SYMBOL TABLE	
	DC Line
	Pulse Signal
	Signal Direction
	Active High
	Active Low
[]	Voltage

PCB1
Main Board

CN300



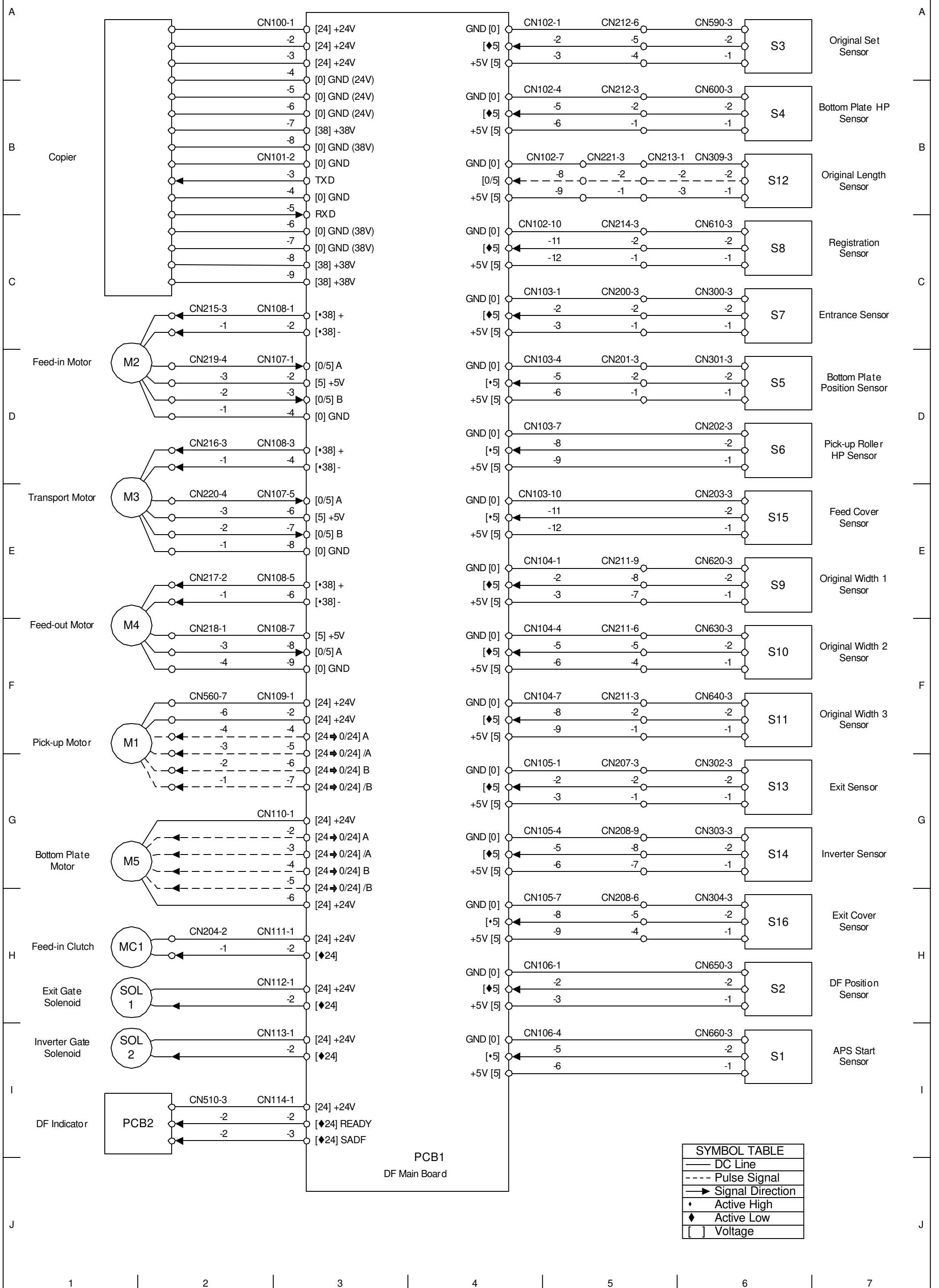
COVER INTERPOSER TRAY (B470) ELECTRICAL COMPONENT LAYOUT



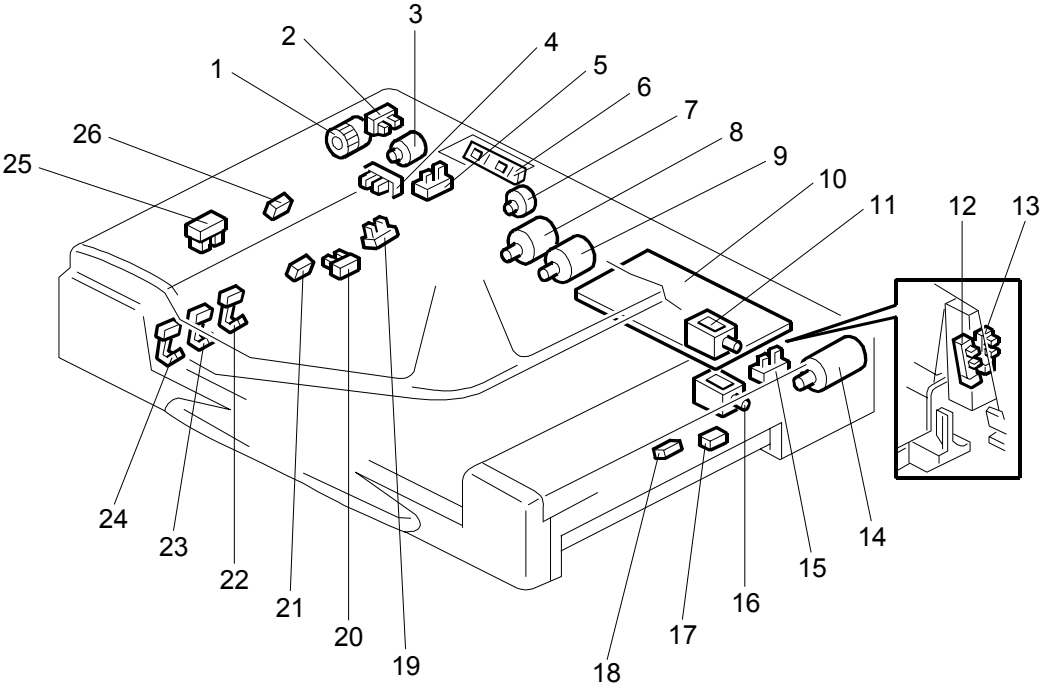
B470V002.WMF

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

POINT TO POINT DIAGRAM (ADF: B301)



ELECTRICAL COMPONENT LAYOUT (ADF: B301)



B301S108.WMF

Symbol	Index No.	Description	P to P
Motors			
M1	3	Pick-up	F1
M2	8	Feed-in	D1
M3	9	Transport	E1
M4	14	Feed-out	F1
M5	7	Bottom plate	G1
Sensors			
S1	12	APS Start	I6
S2	13	DF Position	H6
S3	19	Original Set	A6
S4	20	Bottom Plate HP	B6
S5	4	Bottom Plate Position	D6
S6	2	Pick-up Roller HP	D6
S7	26	Entrance	C7
S8	21	Registration	C6
S9	22	Original Width 1	E6
S10	23	Original Width 2	F6
S11	24	Original Width 3	F6
S12	25	Original Length	B6
S13	18	Exit	G6
S14	17	Inverter	G6
S15	5	Feed Cover	E6
S16	15	Exit Cover	H6
Solenoids			
SOL1	16	Exit Gate	H1
SOL2	11	Inverter Gate	I1

Symbol	Index No.	Description	P to P
Magnetic Clutches			
MC1	1	Feed-in	H1
PCBs			
PCB1	10	DF Main	J4
PCB2	6	DF Indicator	I1
PCB1	10	DF Main	J4
PCB2	6	DF Indicator	I1