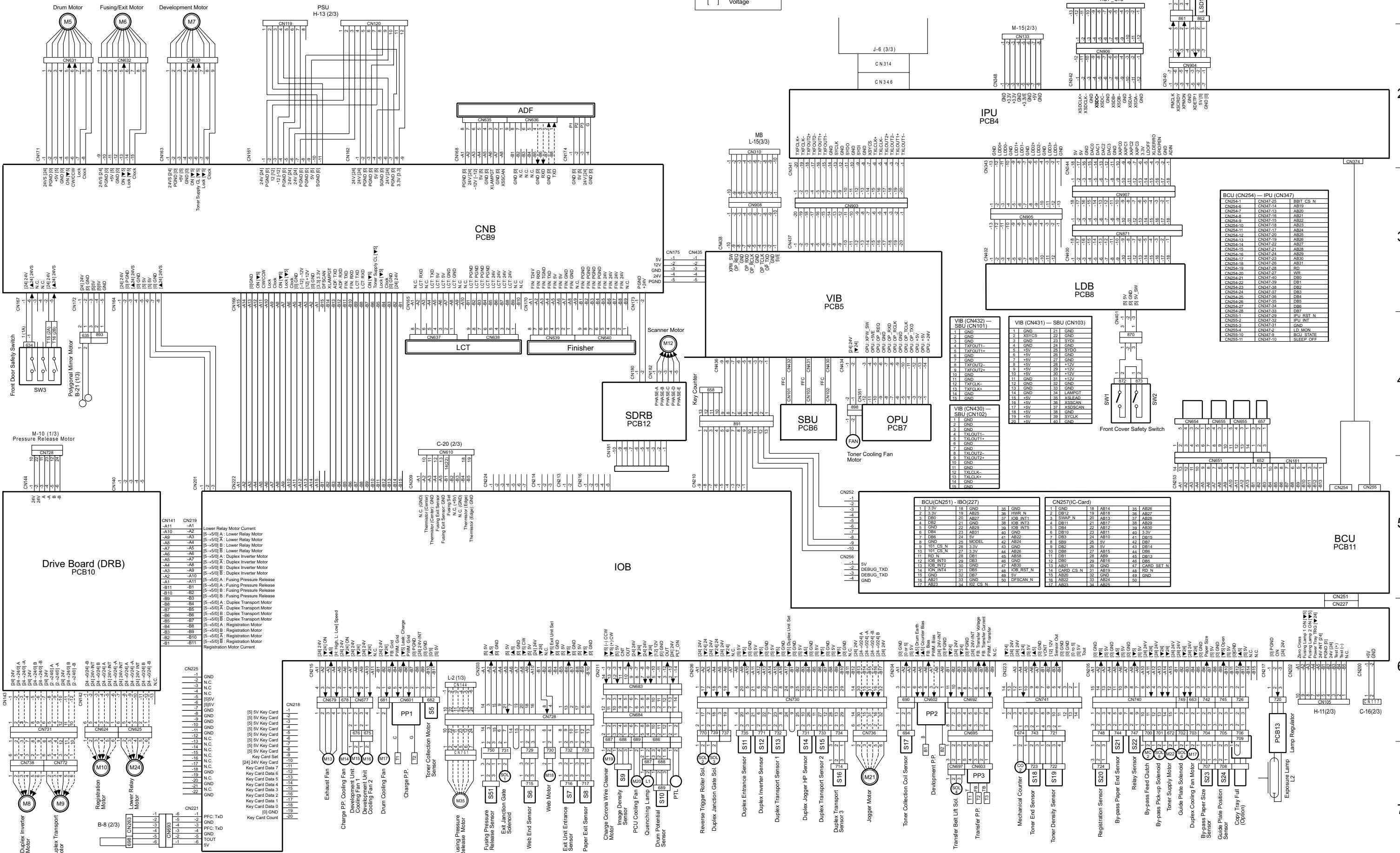
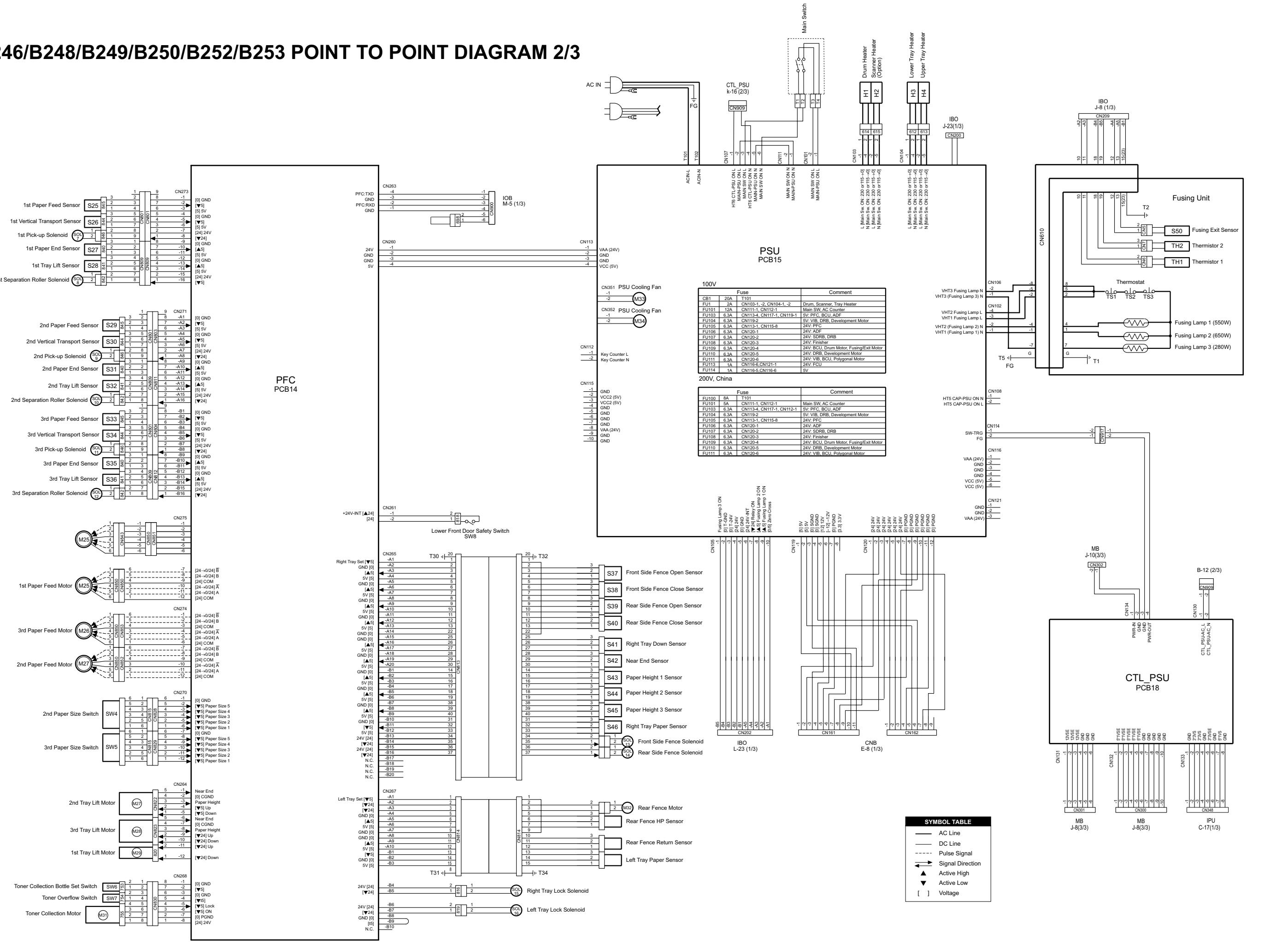
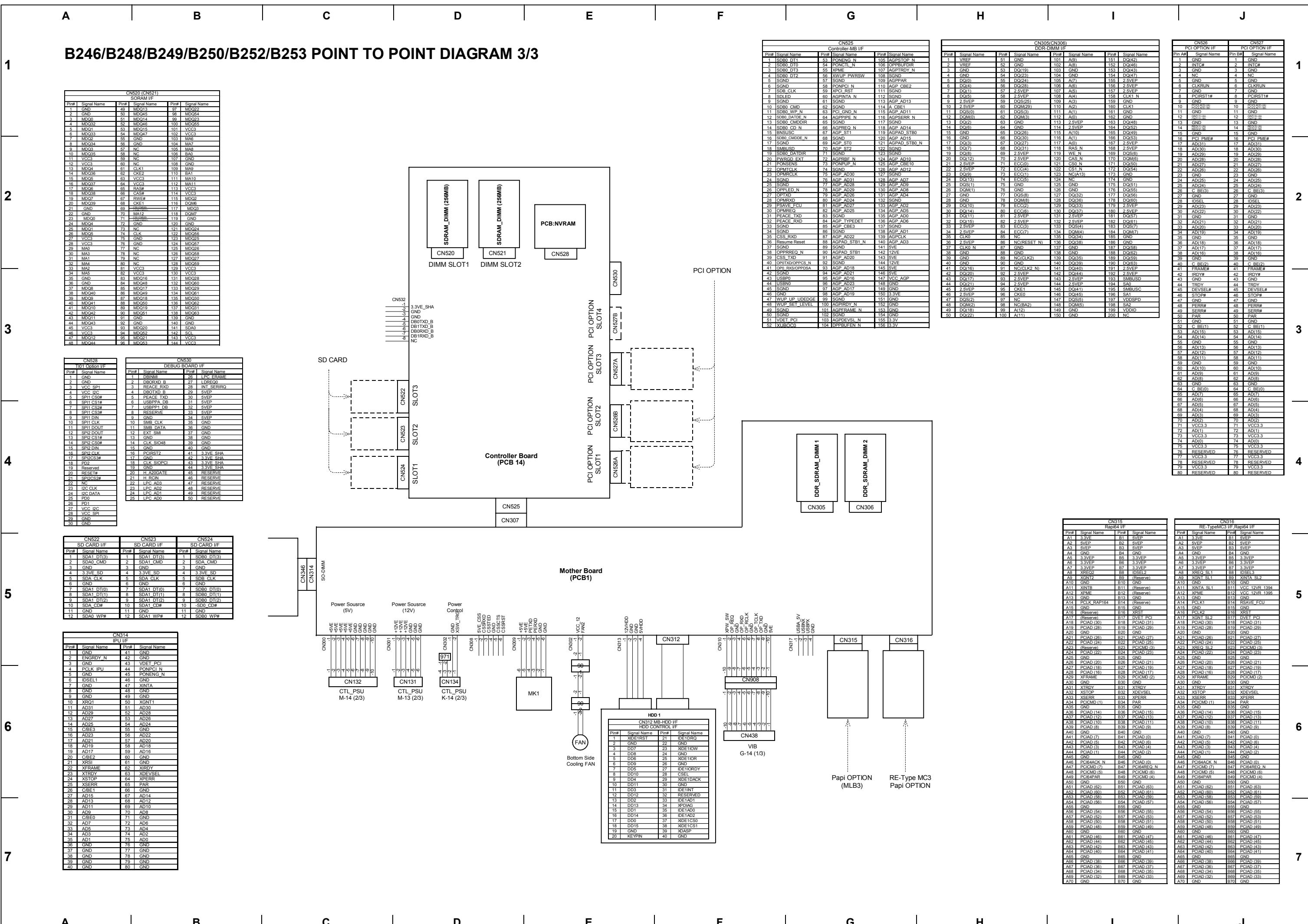


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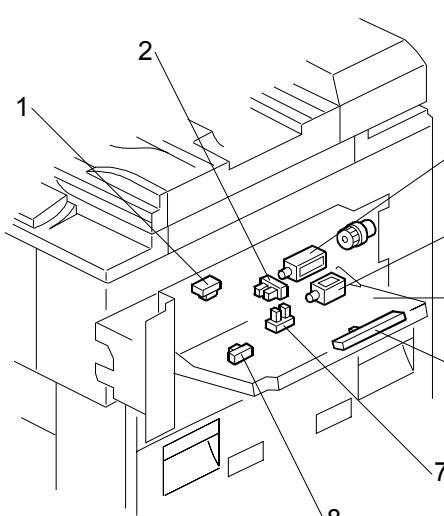
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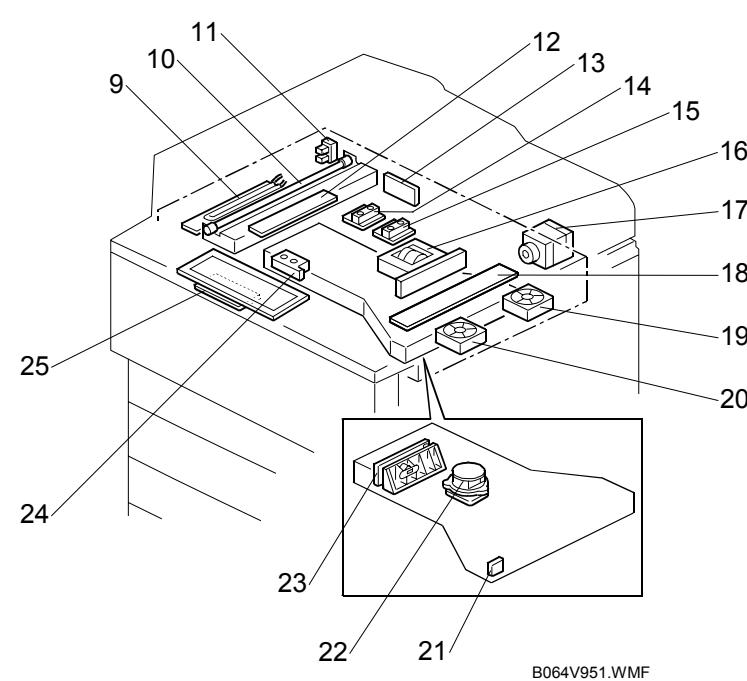


# B246/B248/B249/B250/B252/B253 ELECTRICAL COMPONENT LAYOUT (1/2)

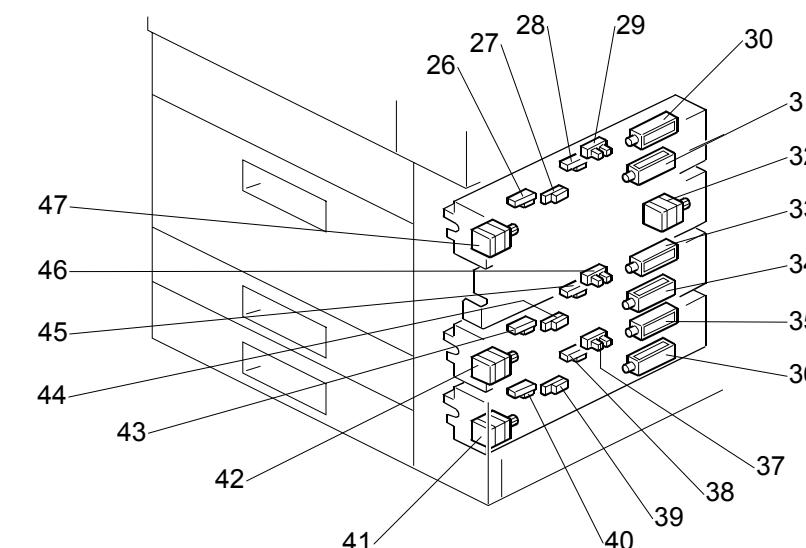
## Main Machine



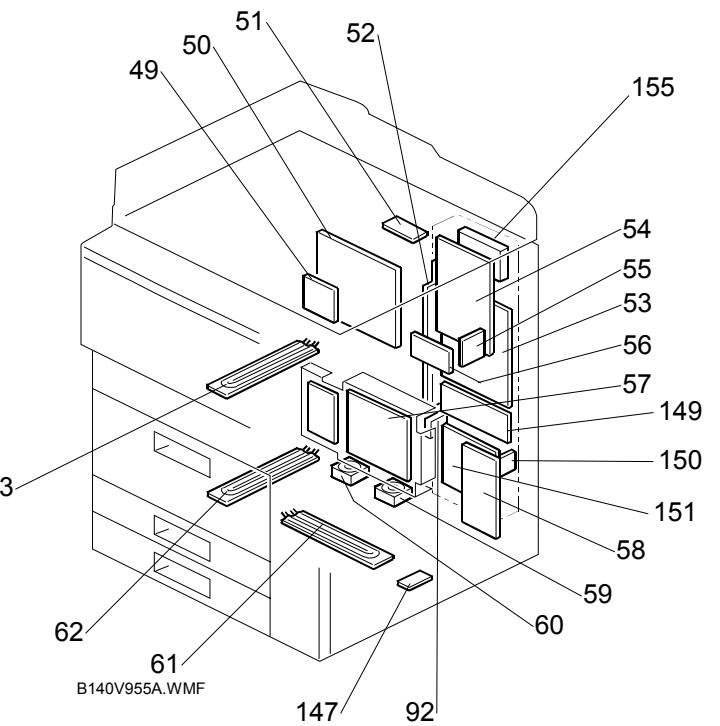
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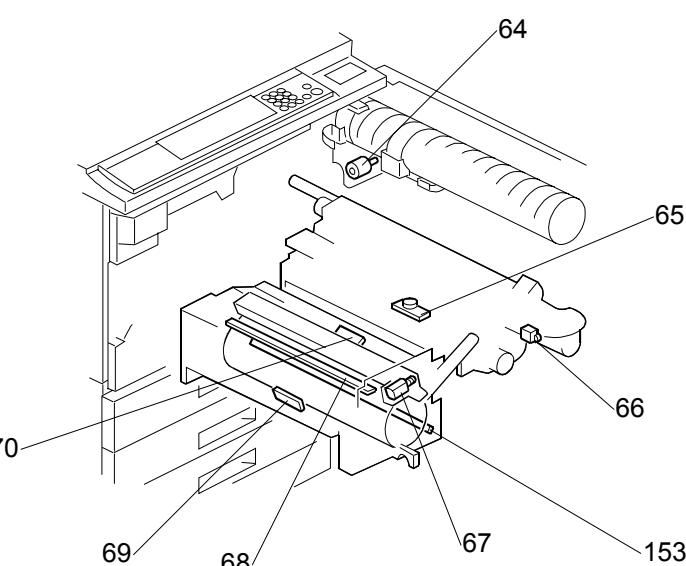
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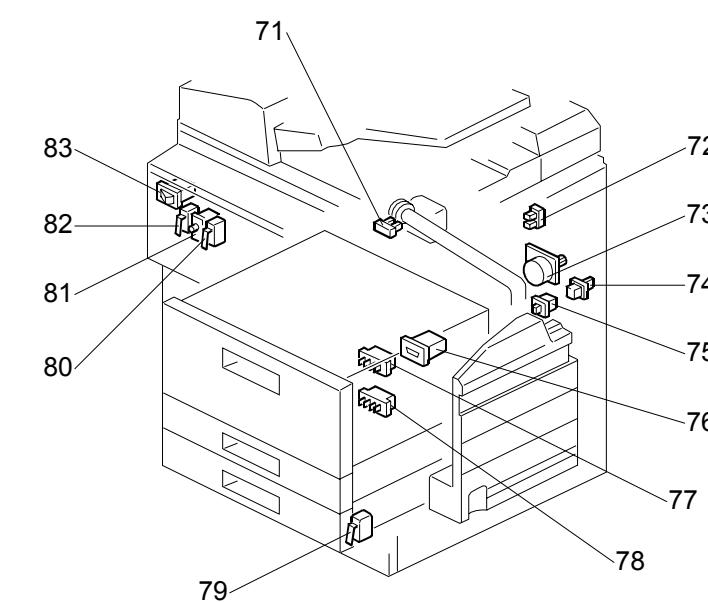
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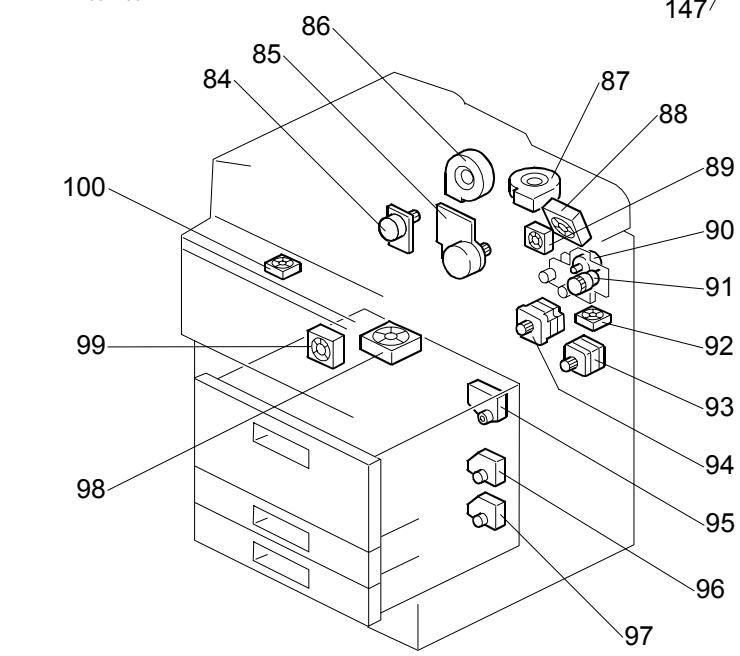
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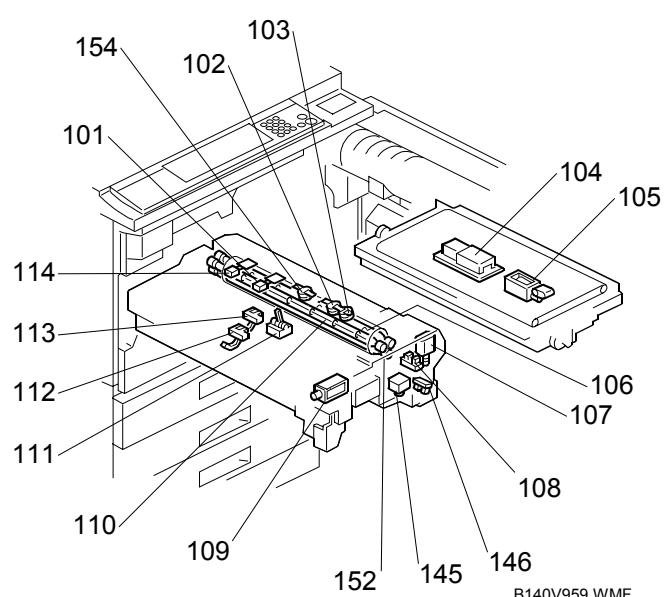
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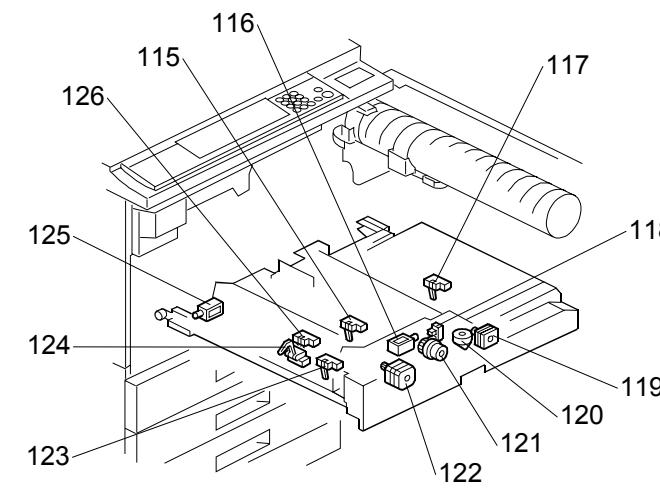
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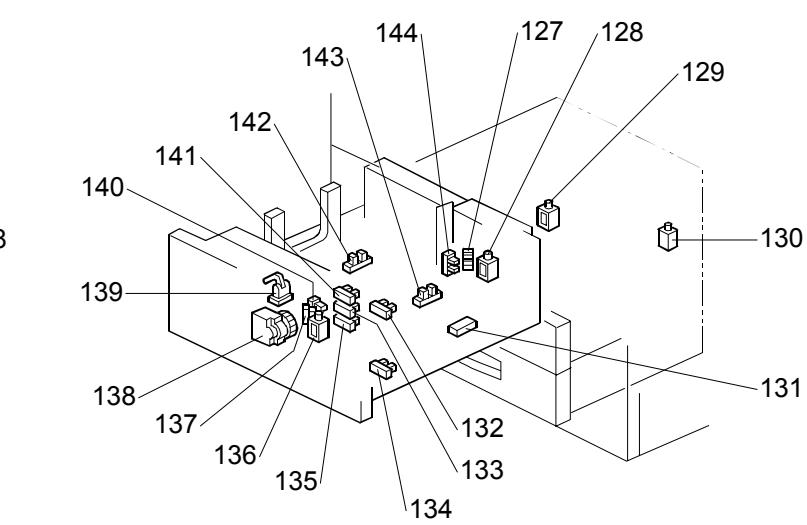
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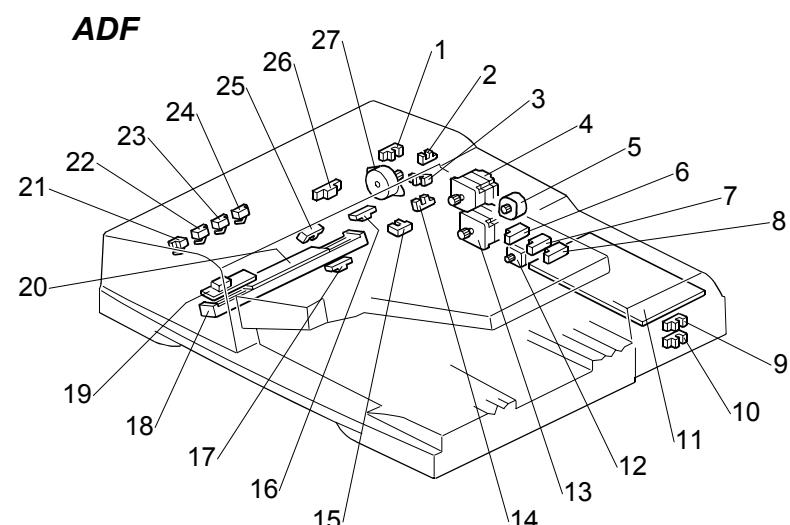
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B064V910.WMF



B064V958.WMF



B064V996.WMF

## ADF

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

## Main Machine

Symbol	Index No.	Description	P to P
<b>Motors</b>			
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)
<b>Sensors</b>			
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)

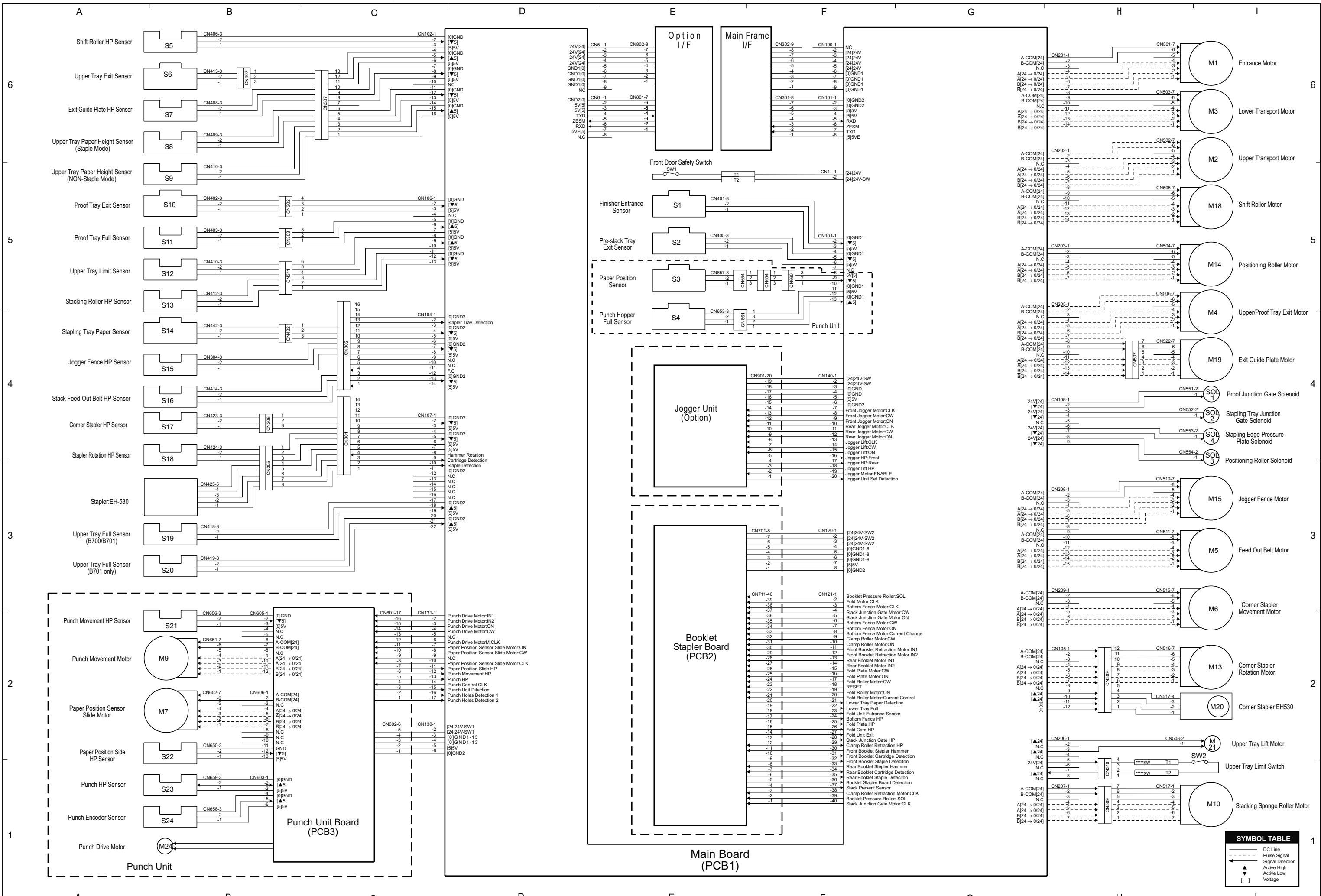
Symbol	Index No.	Description	P to P
<b>Switches</b>			
SW1	80	Front Cover Safety 1	I4 (1/3)
SW2	82	Front Cover Safety 2	I4 (1/3)
SW3	81	Front Door Safety	A4 (1/3)
SW4	77	2nd Paper Size	B6 (2/3)
SW5	78	3rd Paper Size	B6 (2/3)
SW6	75	Toner Collection Bottle Set	B7 (2/3)
SW7	74	Toner Overflow	B7 (2/3)
SW8	79	Lower Front Door Safety	D4 (2/3)
SW9	83	Main	I4 (2/3)
<b>Solenoids</b>			
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
<b>Magnetic Clutches</b>			
MC1	122	Duplex Transport	F6 (1/3)
MC2	5	By-pass Feed	I6 (1/3)
MC3	91	Toner Supply	B1 (1/3)
<b>PCBs</b>			
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)
<b>Lamps</b>			
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)
<b>Power Packs</b>			
PP1	51	Charge	D6 (1/3)
PP2	55	Development	H6 (1/3)
PP3	104	Transfer	H6 (1/3)
<b>Others</b>			
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)

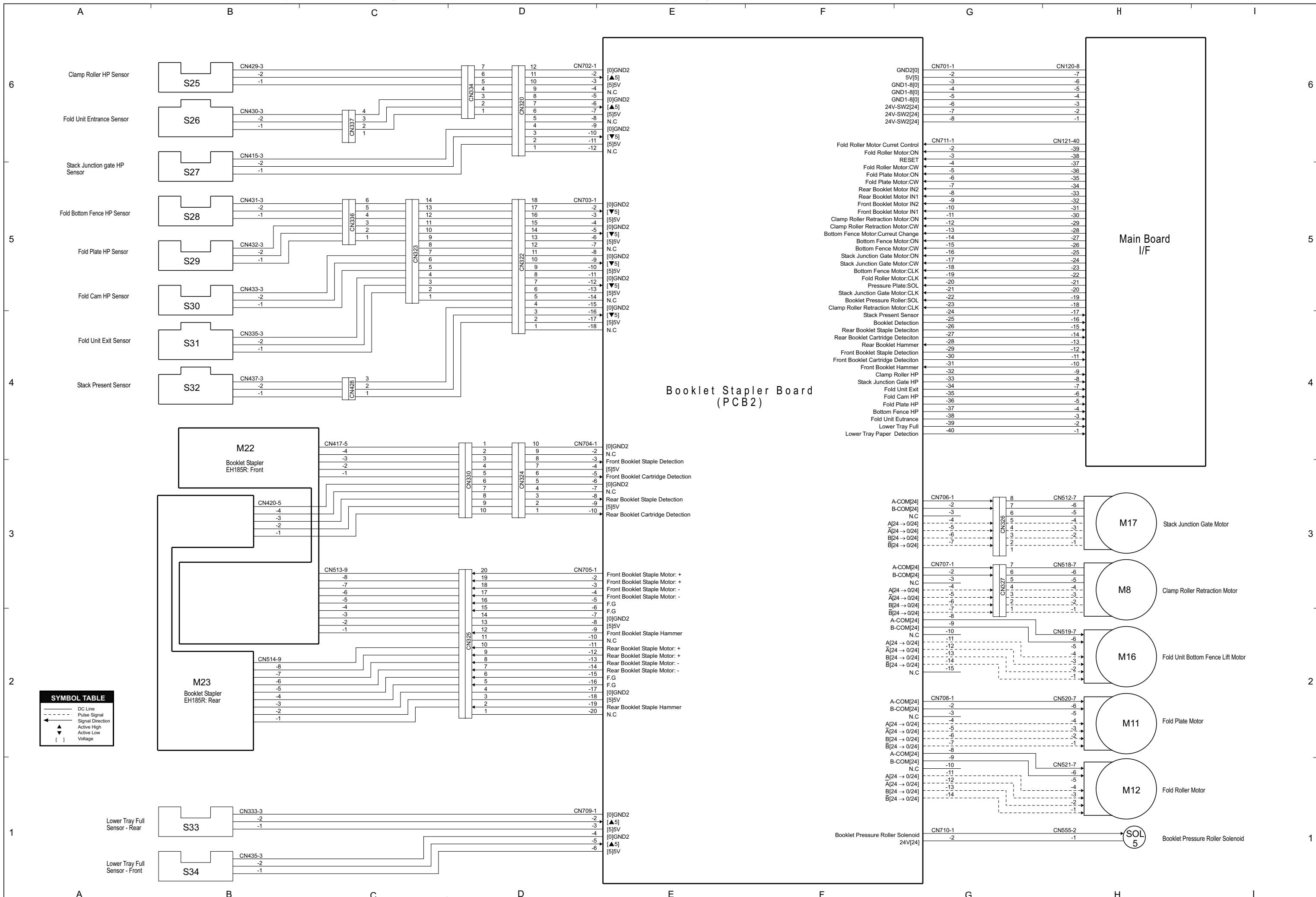
## ADF

Symbol	Index No.	Description	P to P
<b>Motors</b>			
M1	4	Feed	J3
M2	13	Transport	J4
M3	12	Exit	J4
M4	27	Pick-up	J5
M5	5	Bottom Plate	J5
<b>Sensors</b>			
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
<b>PCBs</b>			
PCB1	11	DF Main	E4
PCB2	20	CIS	G7
PCB3	19	CIS Power Supply	H7
<b>Lamps</b>			
L1	18	CIS	I7

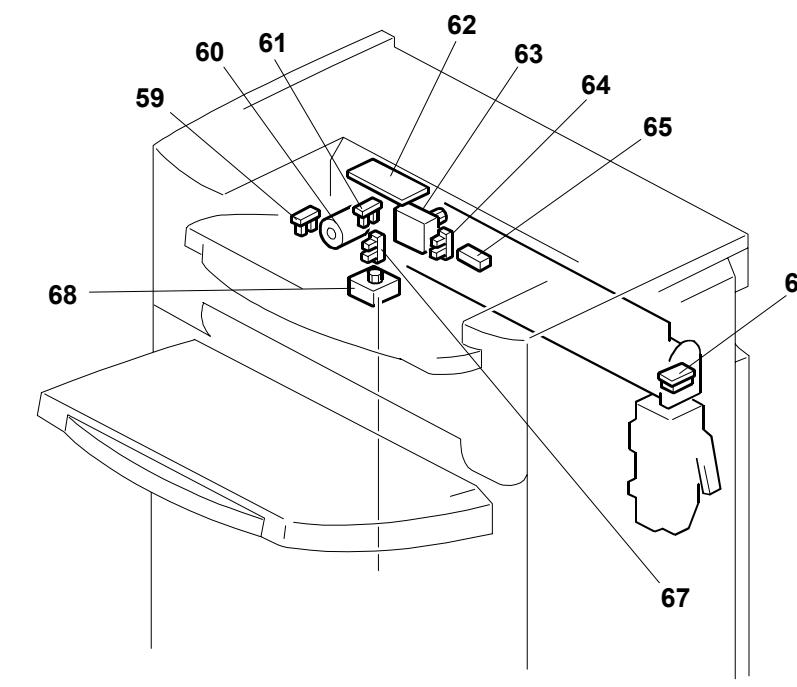
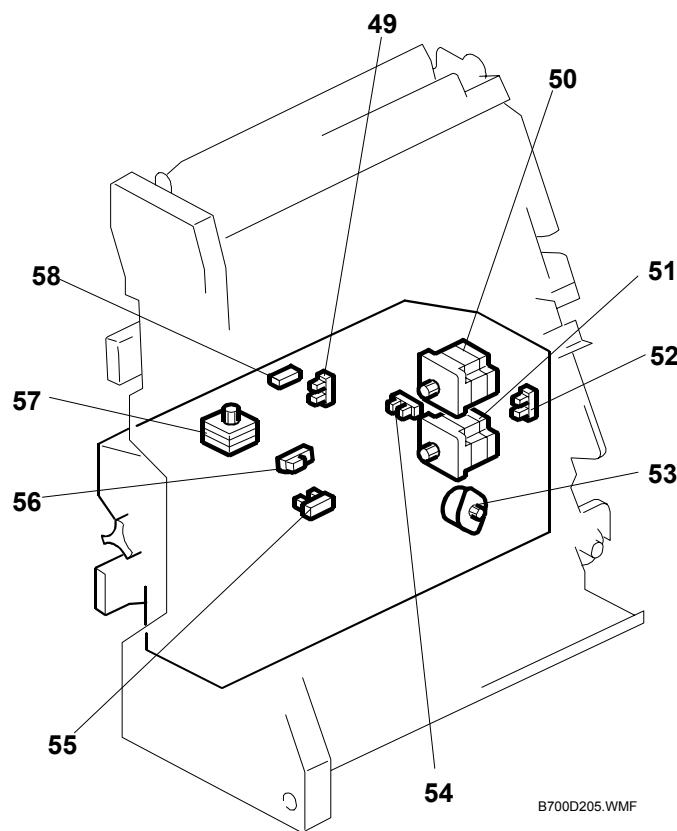
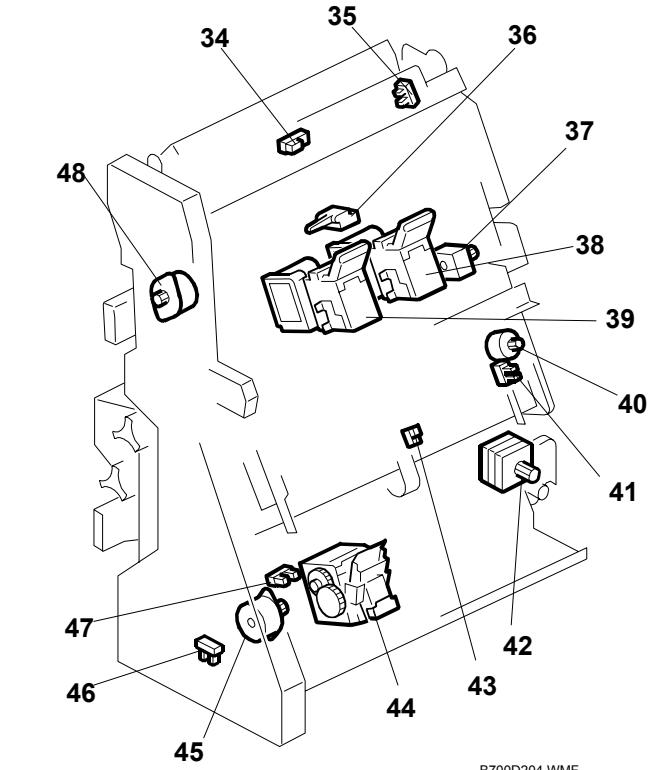
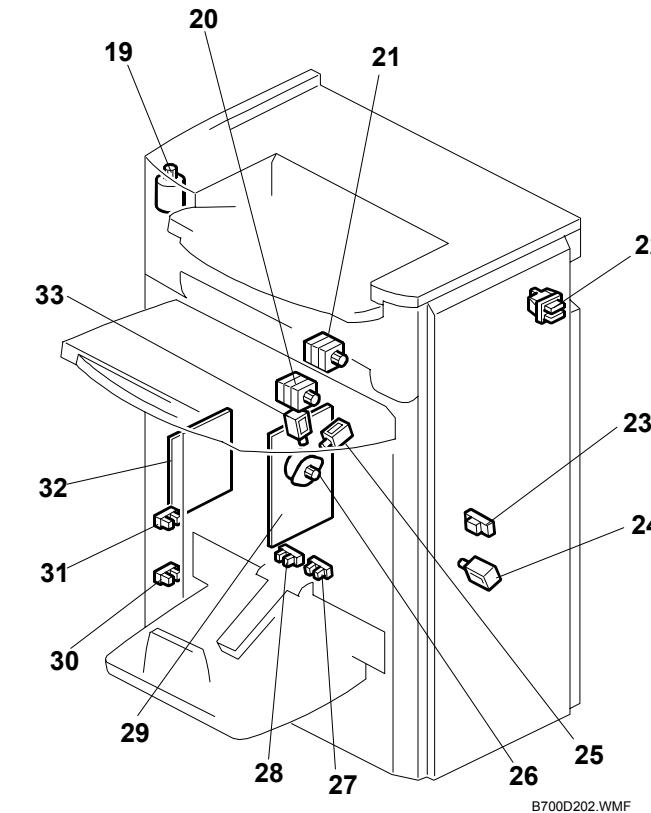
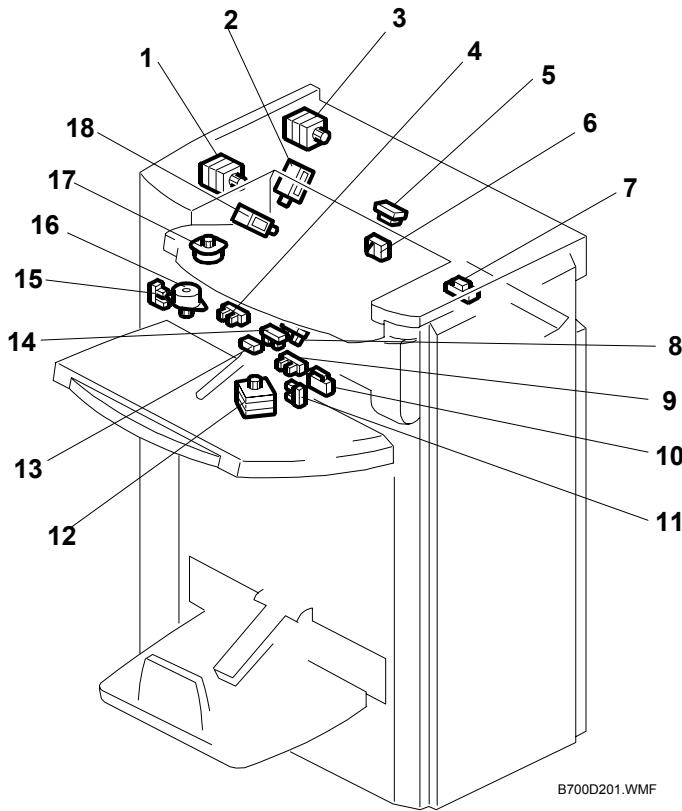
**2000/3000 SHEET FINISHER(B700/B701)POINT TO POINT DIAGRAM(1/2)**



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



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

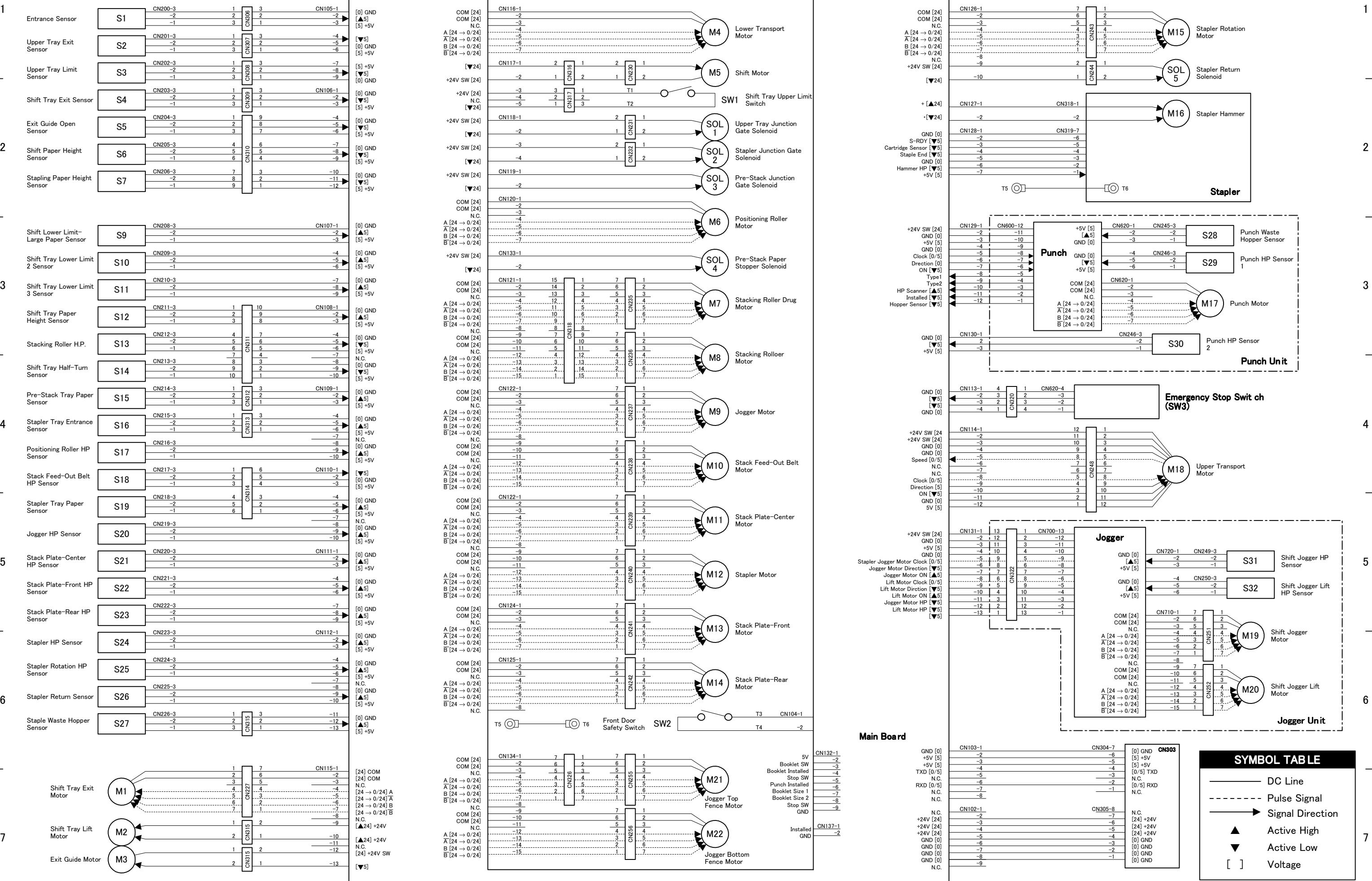


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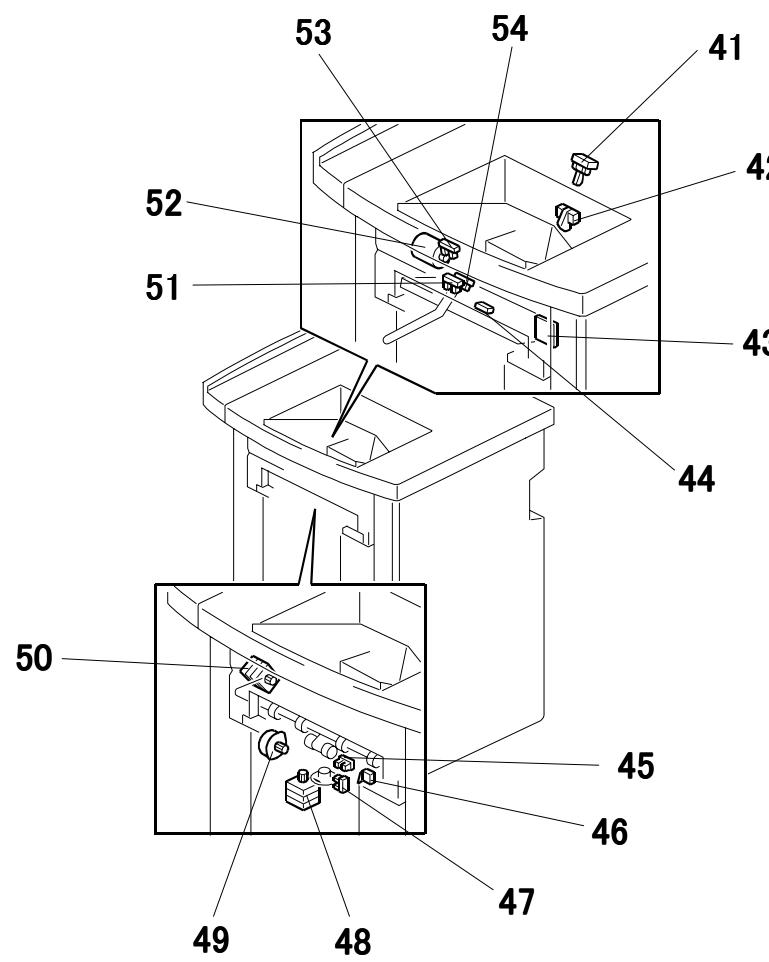
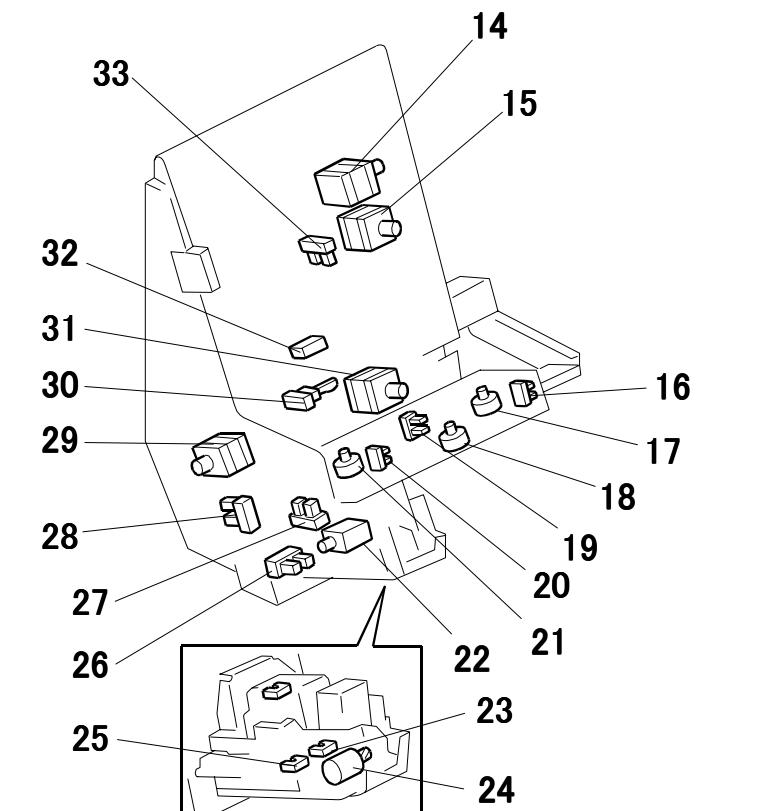
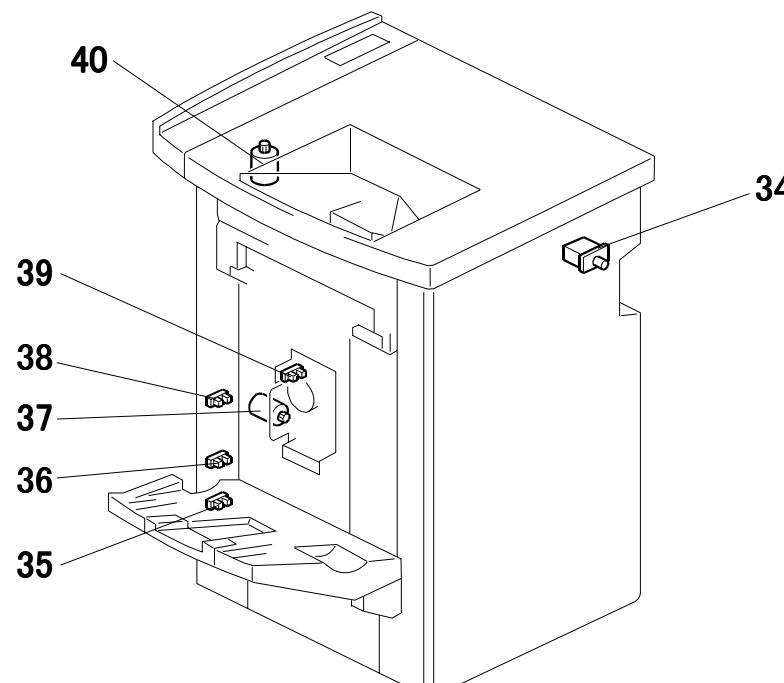
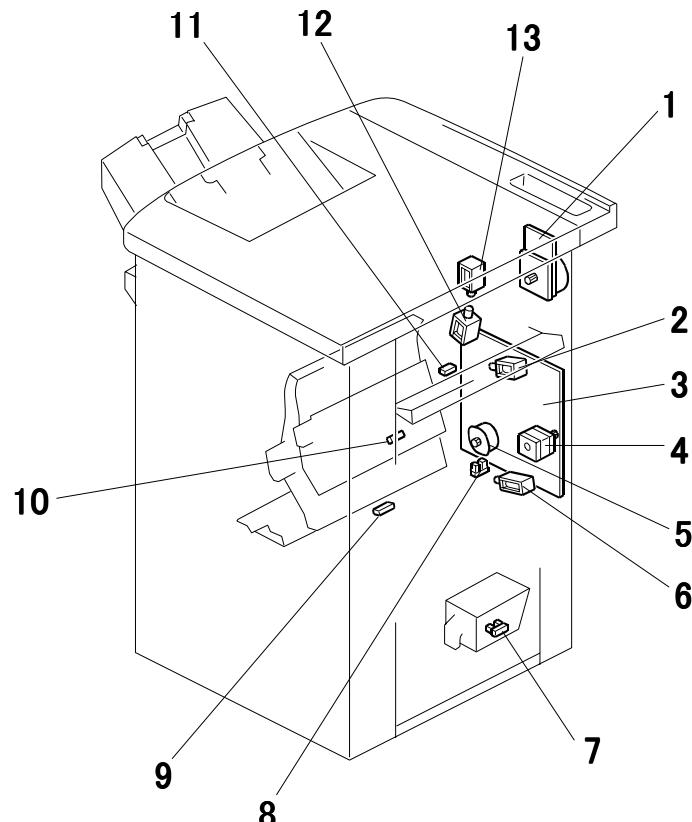
Symble	Name	Index No.	P to P	Page
<b>Boards (PCB)</b>				
PCB1	Main Board	29	E1	1/2
PCB2	Booklet Stapler Board	32	E4	2/2
PCB3	Punch Unit Board	62	C1	1/2
<b>Motors</b>				
M1	Entrance Motor	21	I6	1/2
M2	Upper Transport Motor	3	I5	1/2
M3	Lower Transport Motor	20	I6	1/2
M4	Upper/Proof Tray Exit Motor	1	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
<b>Sensors</b>				
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
<b>Solenoids</b>				
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
<b>Switches</b>				
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

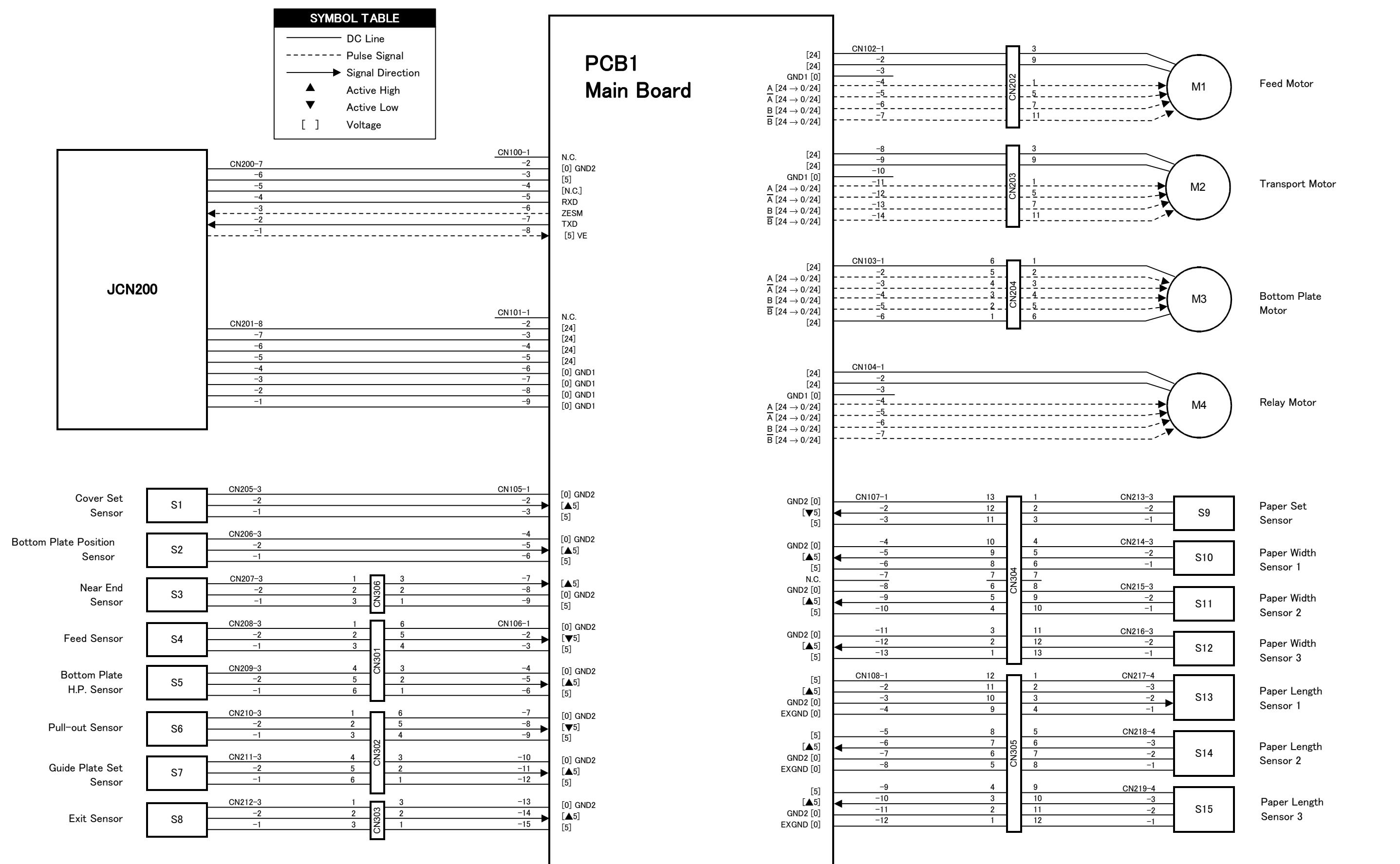


# 3000-SHEET FINISHER (B706) ELECTRICAL COMPONENT LAYOUT

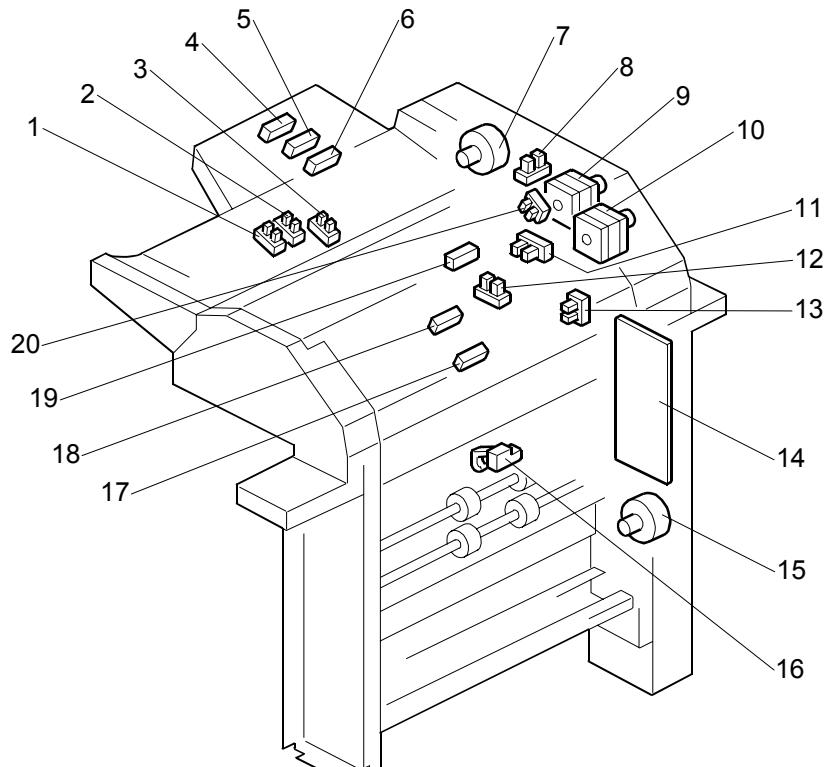


Symbol	Index No.	Description	P to P
<b>Sensors</b>			
S1	11	Entrance Sensor	A1
S2	41	Upper Tray Exit Sensor	A1
S3	42	Upper Tray Limit Sensor	A1
S4	44	Shift Tray Exit Sensor	A2
S5	53	Exit Guide Open Sensor	A2
S6	54	Shift Paper Height Sensor	A2
S7	51	Stapling Paper Height Sensor	A2
S9	38	Shift Lower Limit - 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
<b>Motors</b>			
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
<b>Solenoids</b>			
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
<b>Switches</b>			
SW1	46	Shift Tray Upper Limit Switch	F2
SW2	34	Front Door Safety Switch	E6
SW3	43	Emergency Stop Switch	I4
<b>PCBs</b>			
PCB	3	Main Board	-

## **COVER INTERPOSER (B704) POINT TO POINT DIAGRAM**



# COVER INTERPOSER (B704) ELECTRICAL COMPONENT LAYOUT



B470V002.WMF

Symbol	Index No.	Description	P to P
<b>Motors</b>			
M1	9	Feed	I2
M2	10	Transport	I2-I3
M3	7	Bottom Plate	I3
M4	15	Relay	I4
<b>Sensors</b>			
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
<b>PCBs</b>			
PCB1	14	Main	E2-E7