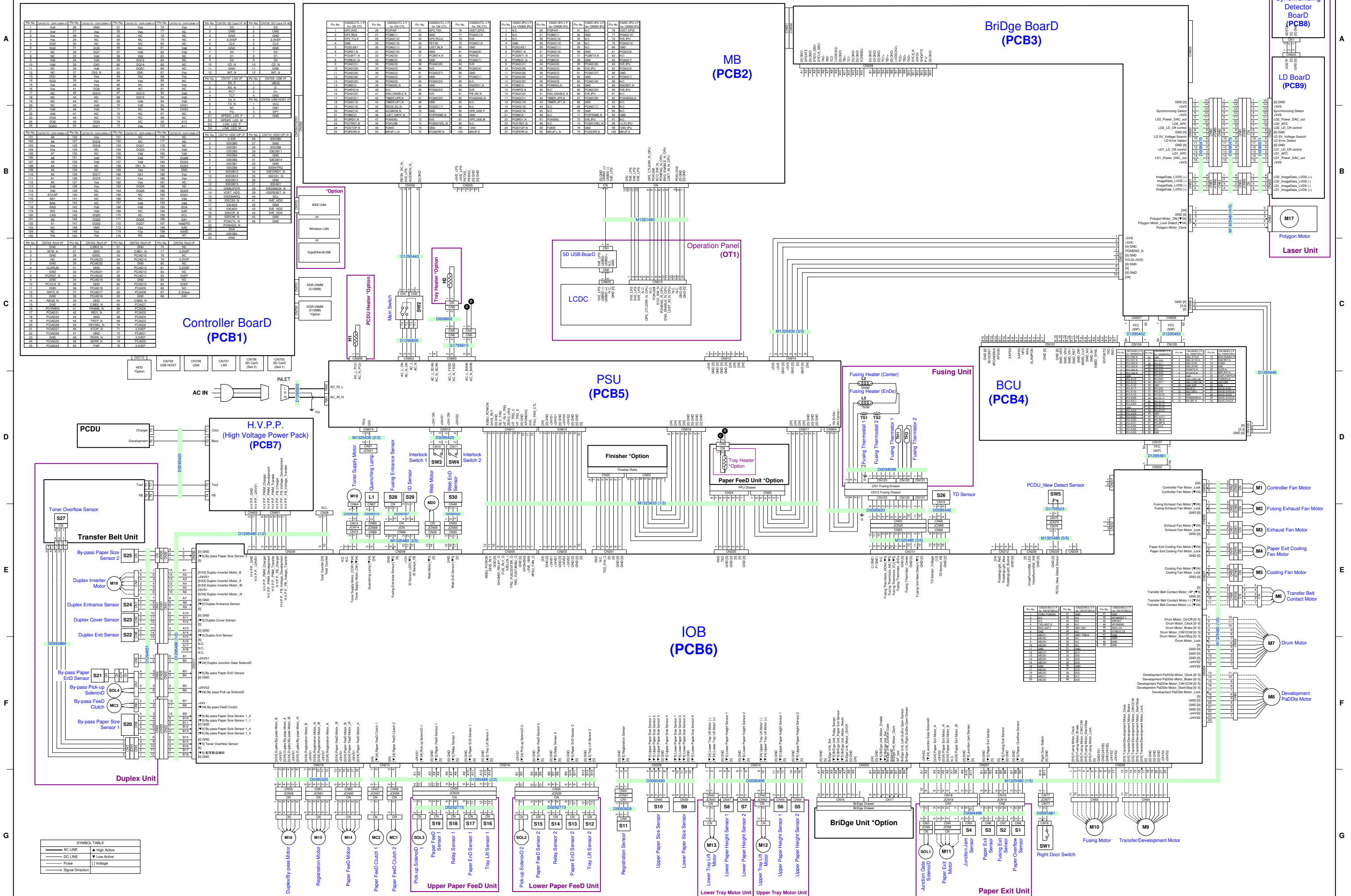
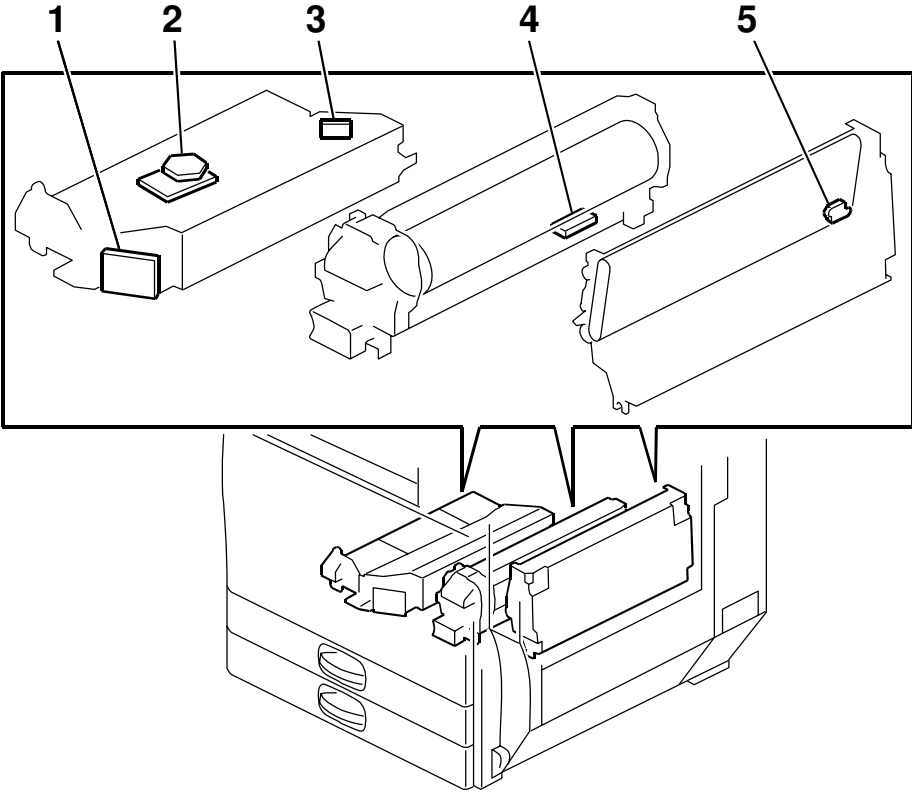


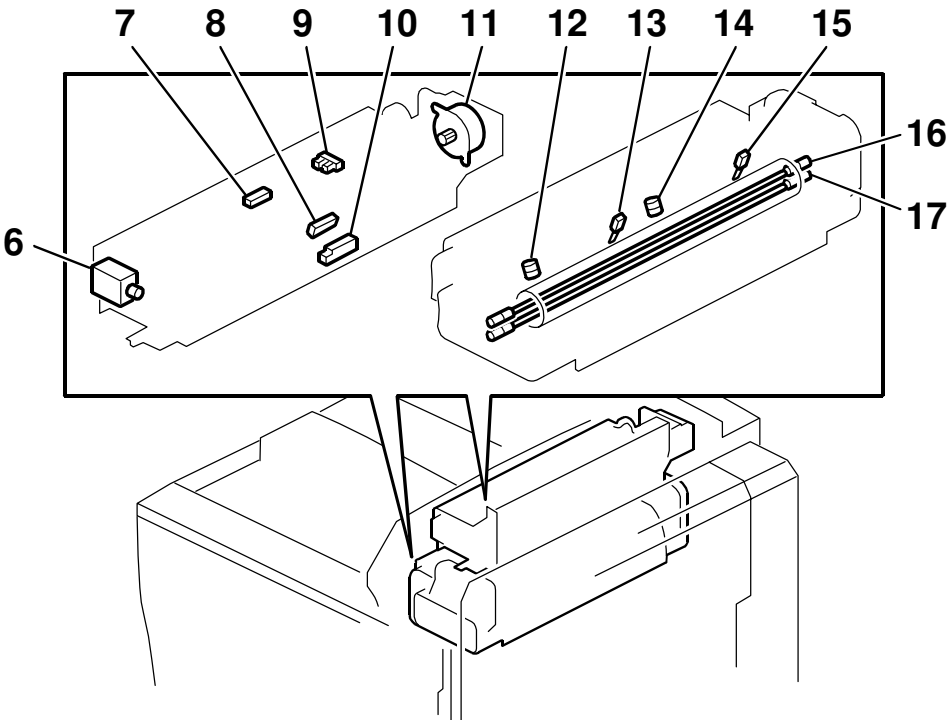
M132 POINT TO POINT DIAGRAM



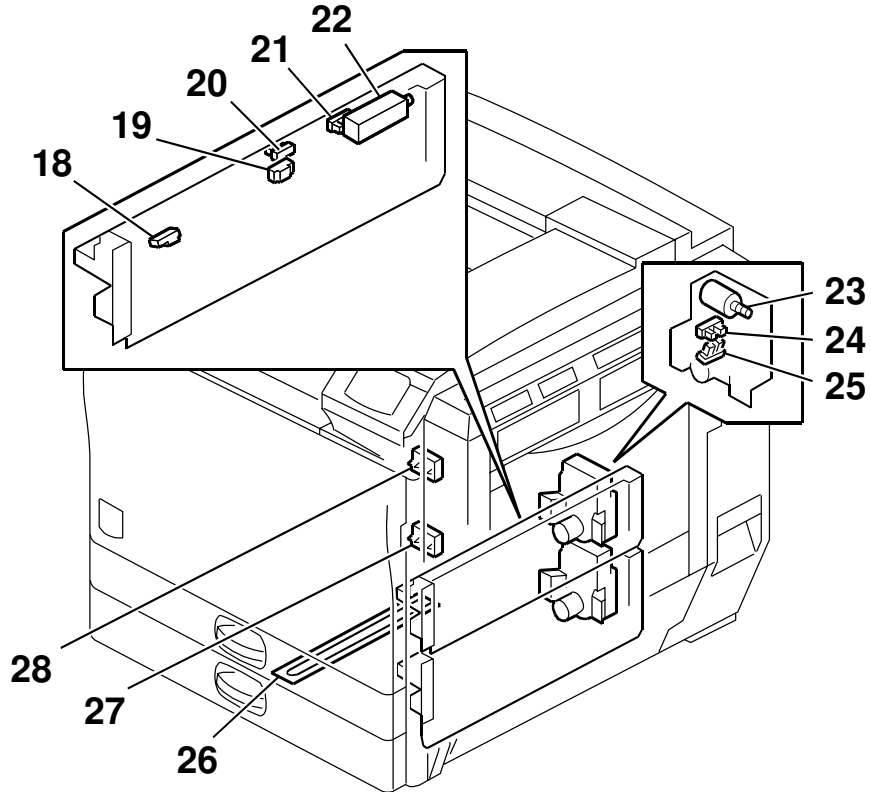
M132 ELECTRICAL COMPONENT LAYOUT 1/2



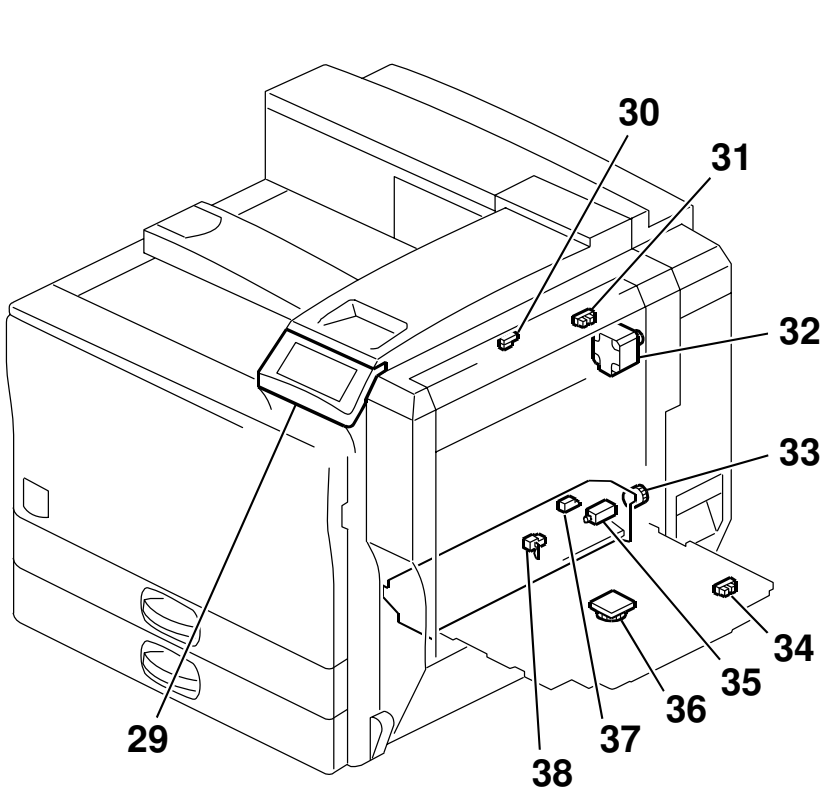
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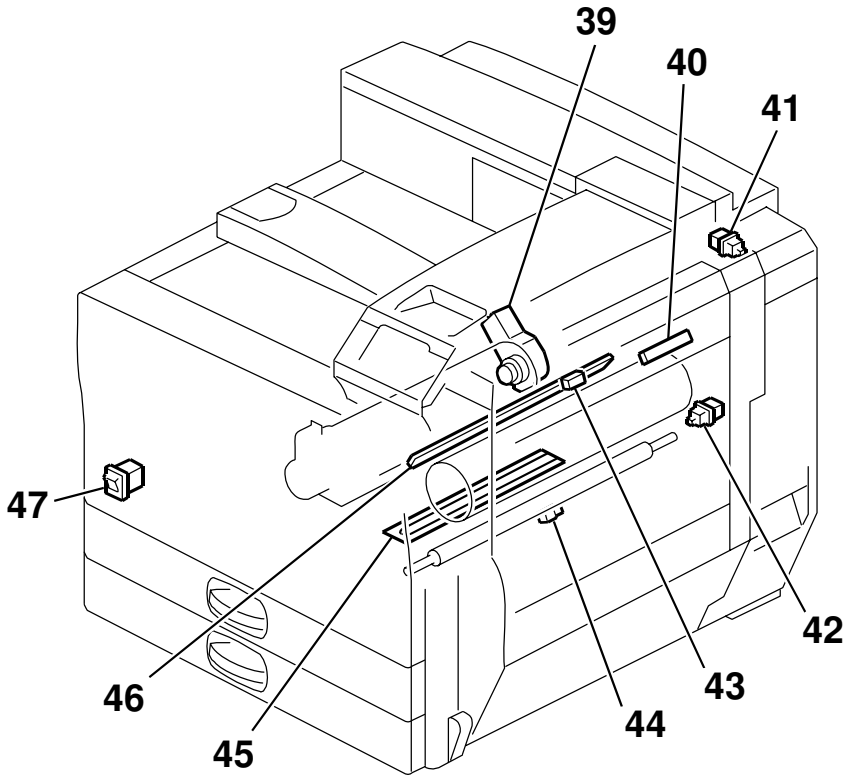
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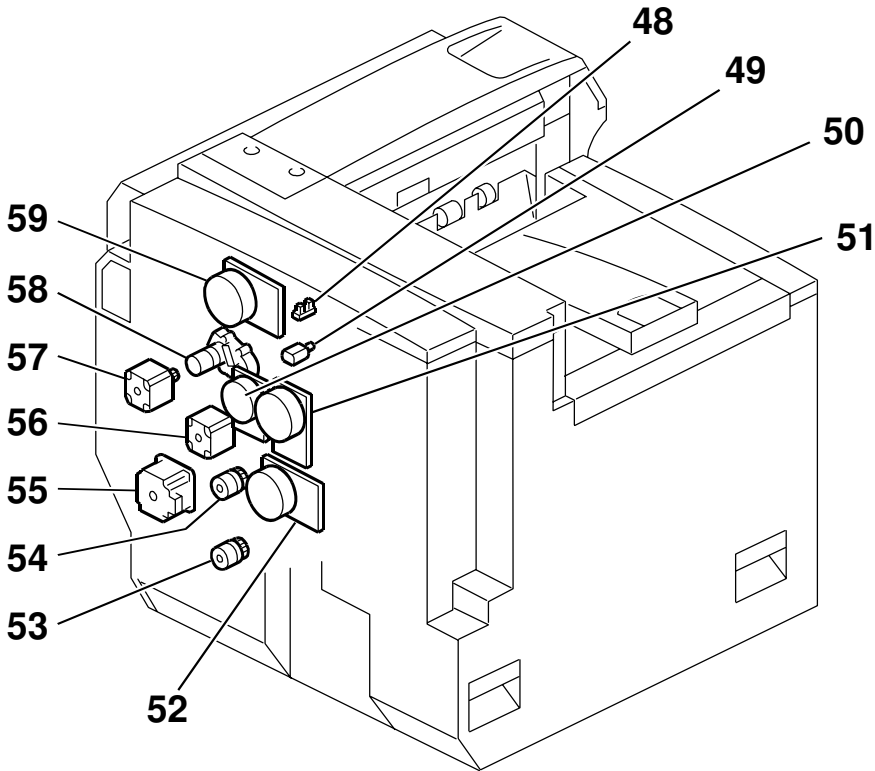


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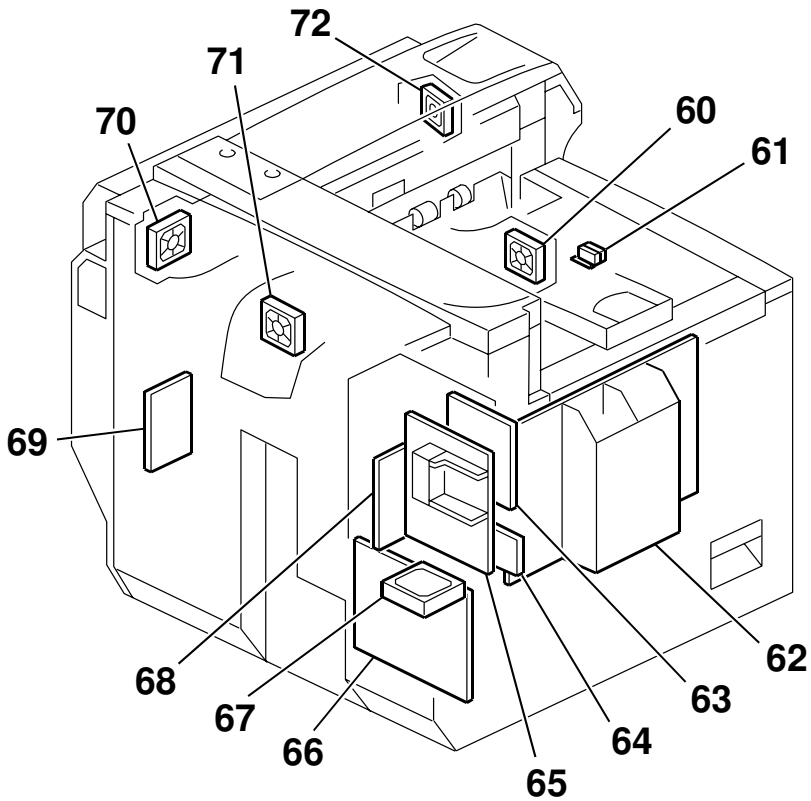


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M132 ELECTRICAL COMPONENT LAYOUT 2/2



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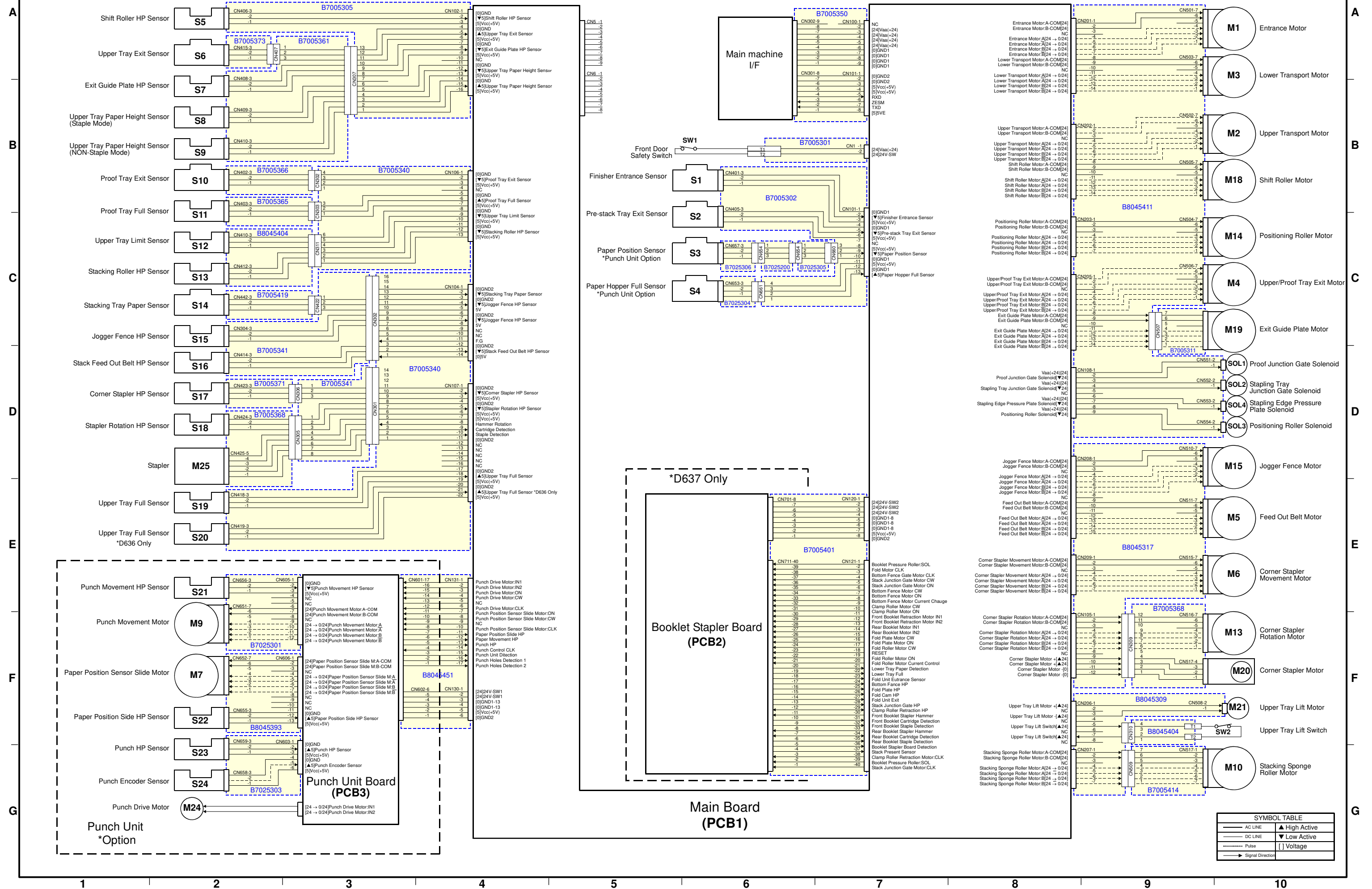


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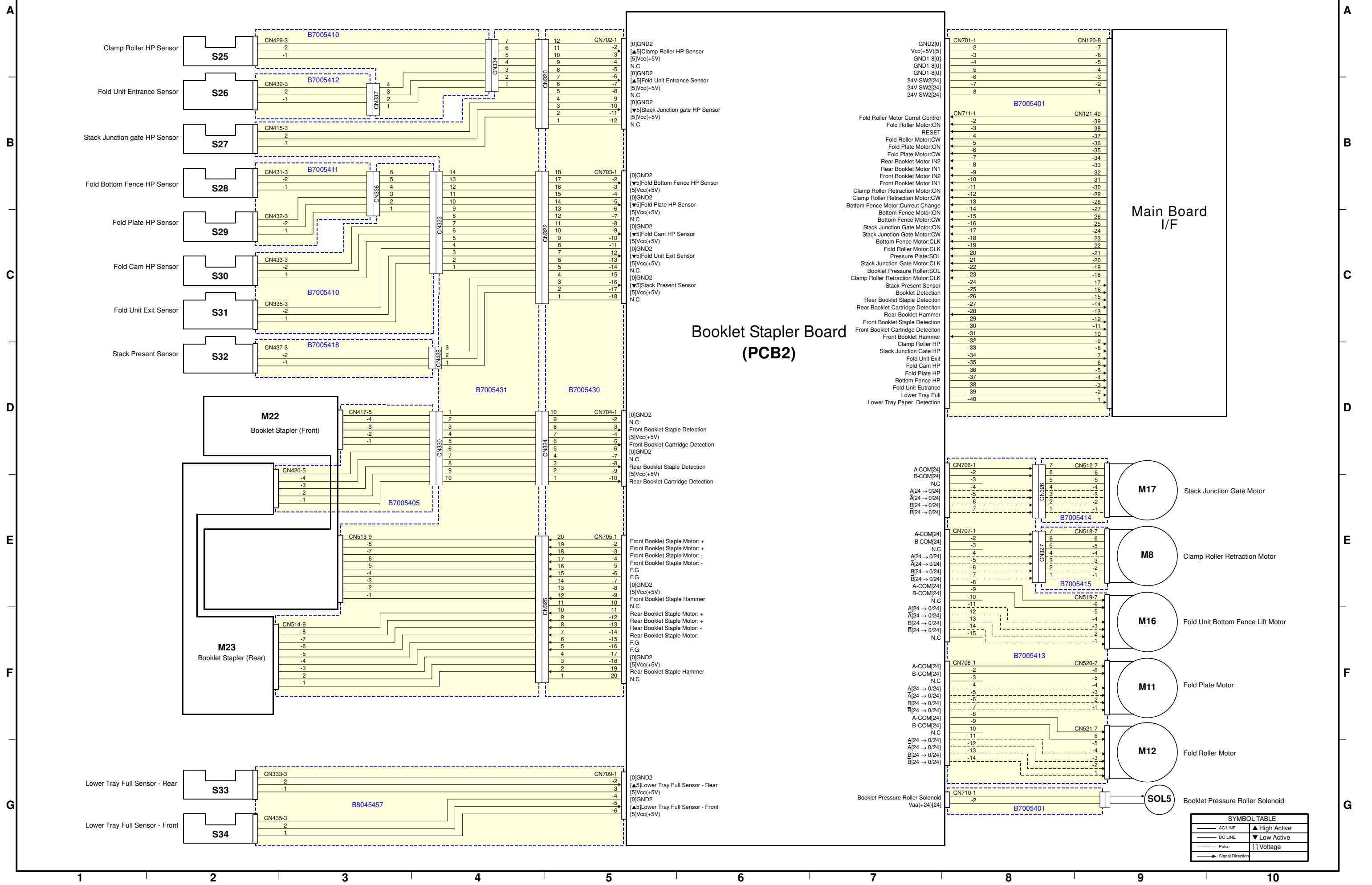
Symbol	Index No.	Description	P to P
Sensors			
S1	9	Paper Overflow Sensor	G8
S2	10	Fusing Exit Sensor	G8
S3	7	Paper Exit Sensor	G8
S4	8	Junction Jam Sensor	G8
S5	25	Upper Paper Height Sensor 2	G6
S6	24	Upper Paper Height Sensor 1	G6
S7	25	Lower Paper Height Sensor 2	G6
S8	24	Lower Paper Height Sensor 1	G6
S9	27	Lower Paper Size Sensor	G6
S10	28	Upper Paper Size Sensor	G5
S11	44	Registration Sensor	G5
S12	21	Tray Lift Sensor 2	G5
S13	20	Paper End Sensor 2	G5
S14	19	Relay Sensor 2	G5
S15	18	Paper Feed Sensor 2	G4
S16	21	Tray Lift Sensor 1	G4
S17	20	Paper End Sensor 1	G4
S18	19	Relay Sensor 1	G4
S19	18	Paper Feed Sensor 1	G4
S20	36	By-pass Paper Size Sensor 1	F1
S21	38	By-pass Paper End Sensor	F1
S22	37	Duplex Exit Sensor	E1
S23	31	Duplex Cover Sensor	E1
S24	30	Duplex Entrance Sensor	E1
S25	34	By-pass Paper Size Sensor 2	E1
S26	4	TD Sensor	D8
S27	5	Toner Overflow Sensor	E1
S28	43	Fusing Entrance Sensor	D3
S29	40	ID Sensor	D4
S30	48	Web End Sensor	D4
Motors			
M1	67	Controller Fan Motor	D10
M2	70	Fusing Exhaust Fan Motor	E10
M3	71	Exhaust Fan Motor	E10
M4	72	Paper Exit Cooling Fan Motor	E10
M5	60	Cooling Fan Motor	E10
M6	58	Transfer Belt Contact Motor	E10
M7	52	Drum Motor	F10
M8	50	Development Paddle Motor	F10
M9	51	Transfer/Development Motor	G9
M10	59	Fusing Motor	G9
M11	11	Paper Exit Motor	G8
M12	23	Upper Tray Lift Motor	G6
M13	23	Lower Tray Lift Motor	G6
M14	55	Paper Feed Motor	D3
M15	56	Registration Motor	D3
M16	57	Duplex/By-pass Motor	D3
M17	2	Polygon Motor	B10
M18	32	Duplex Inverter Motor	E1
M19	39	Toner Supply Motor	D3
M20	49	Web Motor	D4

Symbol	Index No.	Description	P to P
Magnetic Clutches			
MC1	53	Paper Feed Clutch 2	G3
MC2	54	Paper Feed Clutch 1	G3
MC3	33	By-pass Feed Clutch	F1
PCBs			
PCB1	65	Controller Board	C2
PCB2	68	MB	A6
PCB3	63	Bridge Board	A8
PCB4	64	BCU	D8
PCB5	62	PSU	D5
PCB6	66	IOB	F6
PCB7	69	H.V.P.P (High Voltage Power Pack)	D2
PCB8	3	Synchronizing Detector Board	A10
PCB9	1	LD Board	A10
Solenoids			
SOL1	6	Junction Gate Solenoid	G7
SOL2	22	Pick-up Solenoid 2	G4
SOL3	22	Pick-up Solenoid 1	G4
SOL4	35	By-pass Pick-up Solenoid	F1
Switches			
SW1	41	Right Door Switch	G8
SW2	47	Main Switch	C3-4
SW3.4	61	Interlock Switch 1,2	D4
SW5	42	PCDU New Detect Sensor	D8
Thermistors			
TH1	15	Fusing Thermistor 1	D7
TH2	13	Fusing Thermistor 2	D7
Thermostat			
TS1	12	Fusing Thermostat 1	D7
TS2	14	Fusing Thermostat 2	D7
Lamps			
L1	46	Quenching Lamp	D2
L2	16	Fusing Heater (Center)	D7
L3	17	Fusing Heater (Ends)	D7
Other			
OT1	29	Operation Panel	C6
H1	45	PCDU Heater *Option	C3
H2	26	Tray Heater *Option	C4

Finisher/Booklet Finisher (D636/D637) POINT TO POINT DIAGRAM 1/2

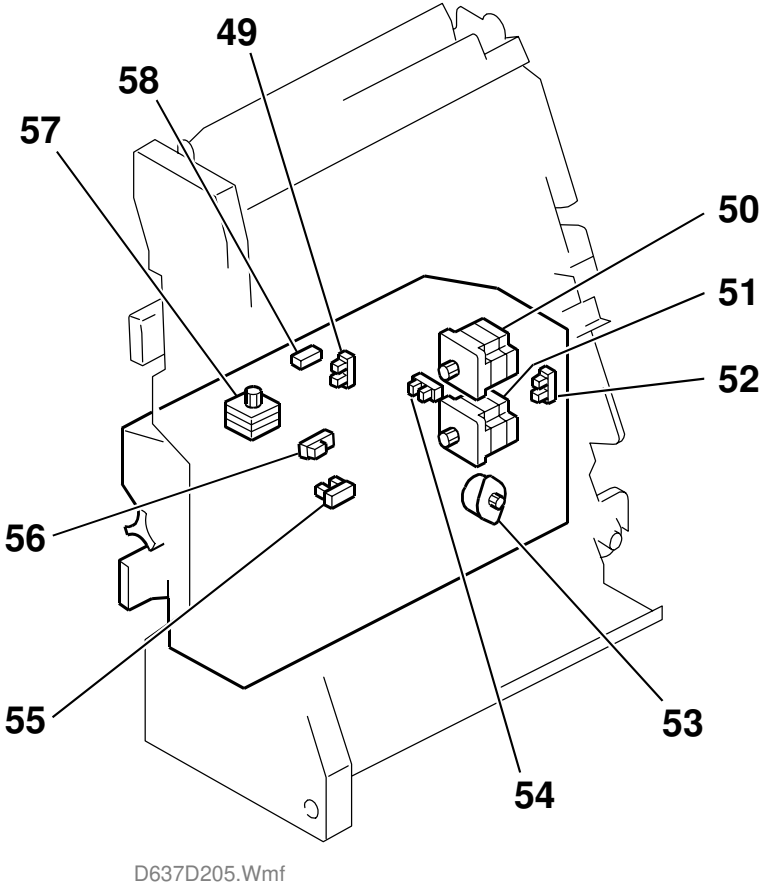
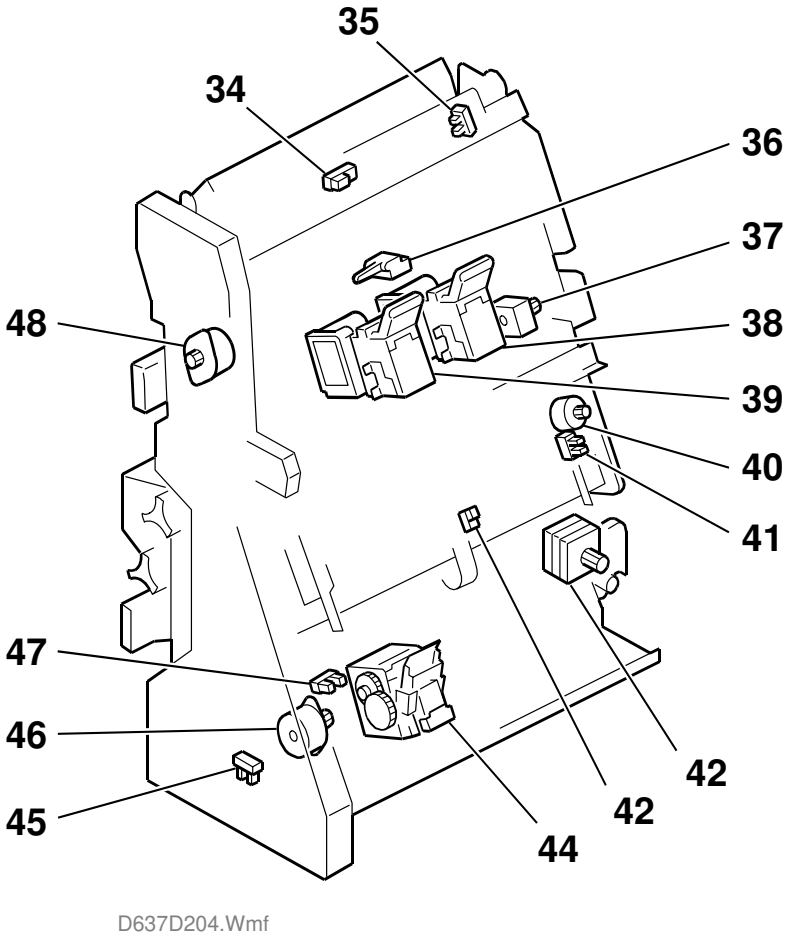
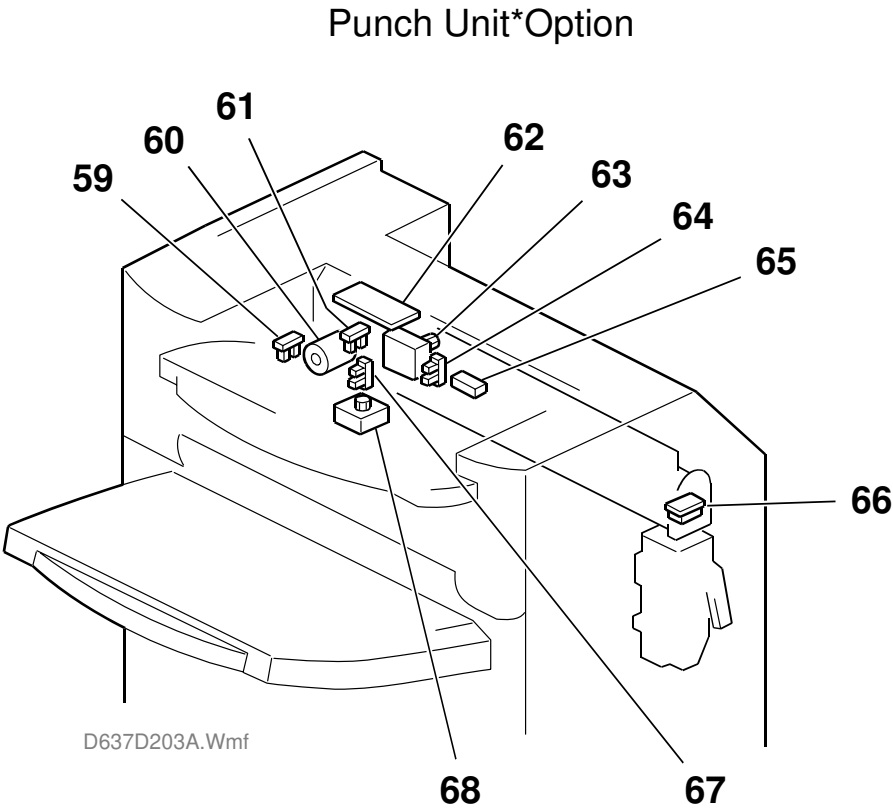
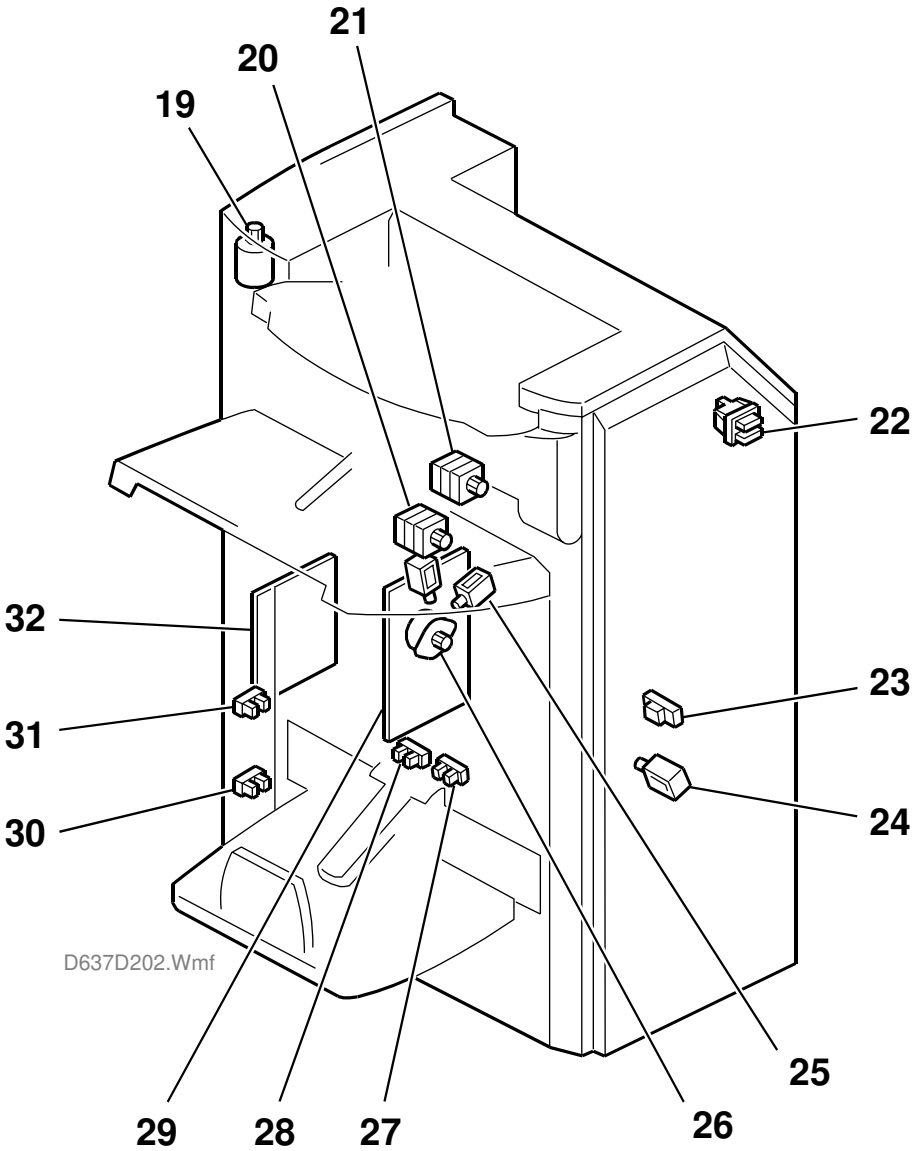
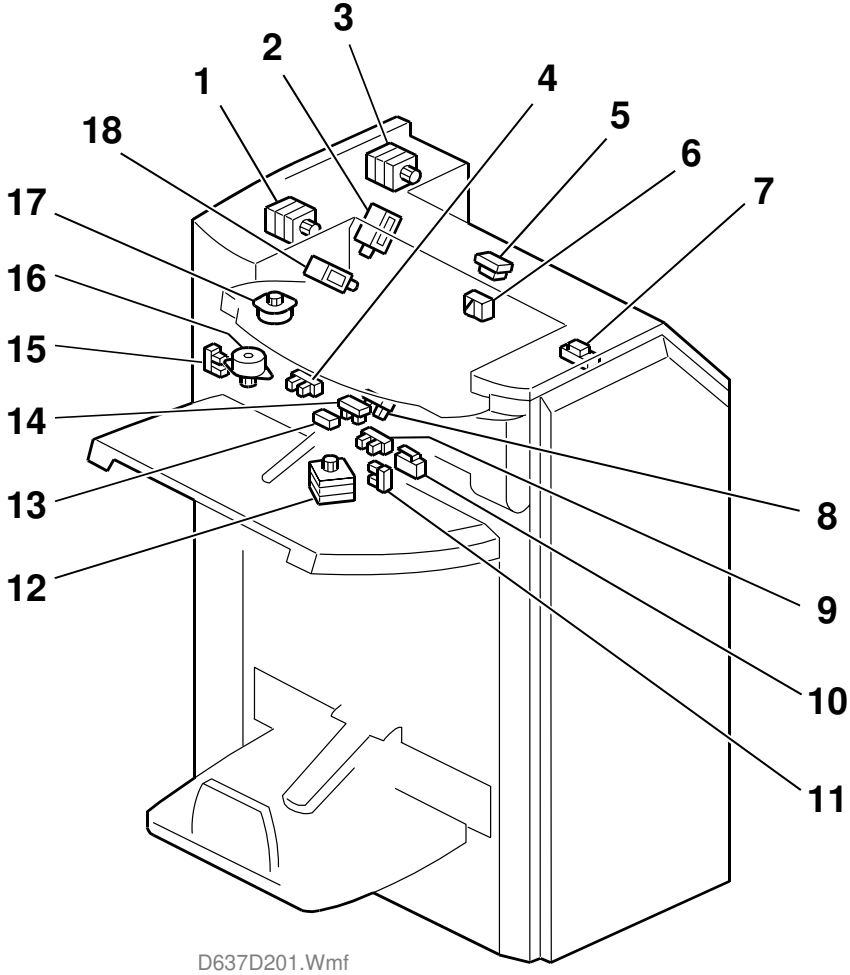


Finisher/Booklet Finisher (D636/D637) POINT TO POINT DIAGRAM 2/2



SYMBOL TABLE	
	AC LINE
	DC LINE
	Pulse
	Signal Direction
	▲ High Active
	▼ Low Active
	[] Voltage

Finisher/Booklet Finisher (D636/D637) ELECTRICAL COMPONENT LAYOUT 1/2

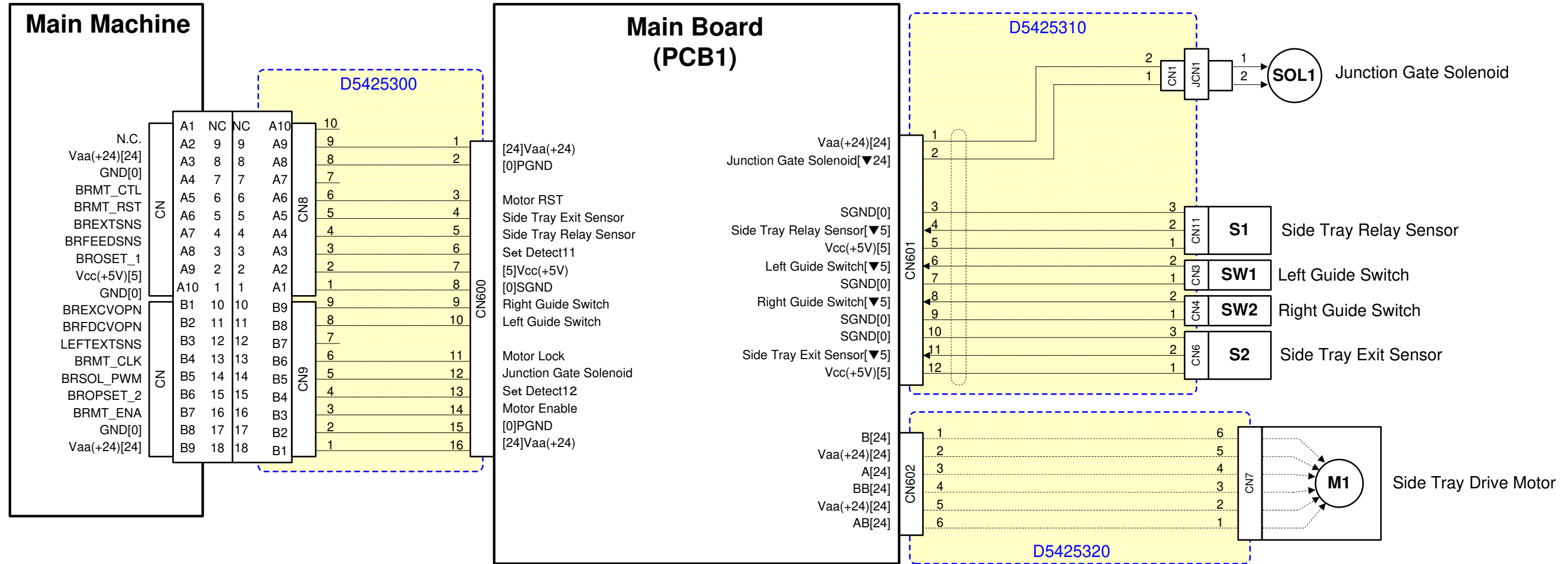


Finisher/Booklet Finisher (D636/D637) ELECTRICAL COMPONENT LAYOUT 2/2

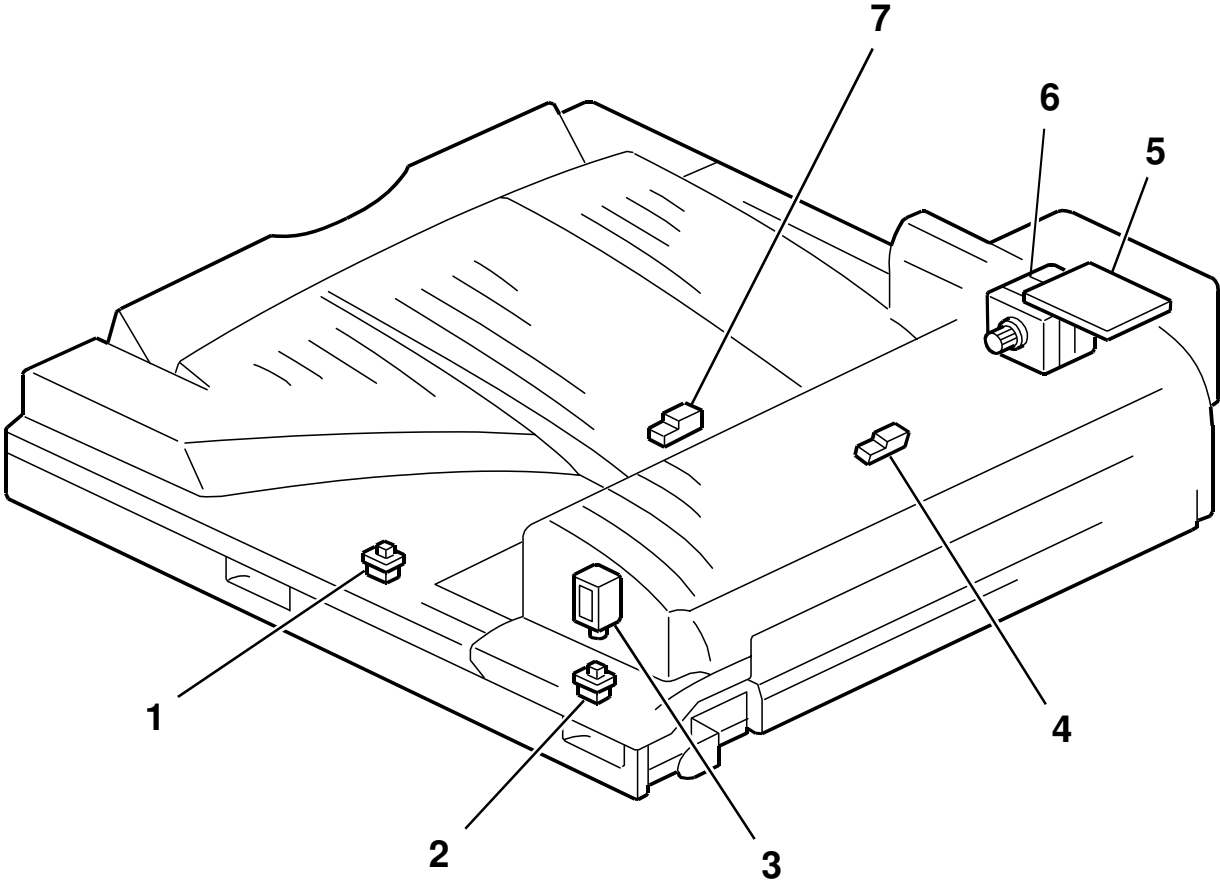
Symbol	Index No.	Description	P to P	Page
PCBs				
PCB1	29	Main Board	G6	1/2
PCB2	32	Booklet Stapler Board	D6	2/2
PCB3	62	Punch Unit Board	G3	1/2
Motors				
M1	21	Entrance Motor	A10	1/2
M2	3	Upper Transport Motor	B10	1/2
M3	20	Lower Transport Motor	A10	1/2
M4	1	Upper/Proof Tray Exit Motor	B10	1/2
M5	37	Feed Out Belt Motor	E10	1/2
M6	42	Corner Stapler Movement Motor	E10	1/2
M7	63	Paper Position Sensor Slide Motor	F2	1/2
M8	57	Clamp Roller Retraction Motor	E9	2/2
M9	68	Punch Movement Motor	F2	1/2
M10	12	Stacking Sponge Roller Motor	G10	1/2
M11	51	Fold Plate Motor	F9	2/2
M12	50	Fold Roller Motor	G9	2/2
M13	45	Corner Stapler Rotation Motor	F10	1/2
M14	26	Positioning Roller Motor	B10	1/2
M15	40	Jogger Fence Motor	D10	1/2
M16	53	Fold Unit Bottom Fence Lift Motor	F9	2/2
M17	48	Stack Junction Gate Motor	E9	2/2
M18	16	Shift Roller Motor	B10	1/2
M19	17	Exit Guide Plate Motor	B10	1/2
M20	44	Corner Stapler	F10	1/2
M21	19	Upper Tray Lift Motor	F10	1/2
M22	39	Booklet Stapler - Front	D2	1/2
M23	38	Booklet Stapler - Rear	F2	1/2
M24	60	Punch Drive Motor	G2	1/2
M25	44	Stapler	D2	1/2

Symbol	Index No.	Description	P to P	Page
Sensors				
S1	7	Finisher Entrance Sensor	B6	1/2
S2	23	Pre-stack Tray Exit Sensor	C6	1/2
S3	65	Paper Position Sensor	C6	1/2
S4	66	Punch Hopper Full Sensor	C6	1/2
S5	15	Shift Roller HP Sensor	A2	1/2
S6	13	Upper Tray Exit Sensor	A2	1/2
S7	4	Exit Guide Plate HP Sensor	B2	1/2
S8	14	Upper Tray Paper Height Sensor (Staple Mode)	B2	1/2
S9	8	Upper Tray Paper Height Sensor (Non-Staple Mode)	B2	1/2
S10	5	Proof Tray Exit Sensor	B2	1/2
S11	6	Proof Tray Full Sensor	C2	1/2
S12	9	Upper Tray Limit Sensor	C2	1/2
S13	11	Stacking Roller HP Sensor	C2	1/2
S14	43	Stapling Tray Paper Sensor	C2	1/2
S15	41	Jogger Fence HP Sensor	C2	1/2
S16	36	Stack Feed-Out Belt HP Sensor	D2	1/2
S17	46	Corner Stapler HP Sensor	D2	1/2
S18	47	Stapler Rotation HP Sensor	D2	1/2
S19	31	Upper Tray Full Sensor	E2	1/2
S20	30	Upper Tray Full Sensor (D636)	E2	1/2
S21	67	Punch Movement HP Sensor	E2	1/2
S22	64	Paper Position Side HP Sensor	F2	1/2
S23	61	Punch HP Sensor	G2	1/2
S24	59	Punch Encoder Sensor	G2	1/2
S25	49	Clamp Roller HP Sensor	A2	2/2
S26	56	Fold Unit Entrance Sensor	B2	2/2
S27	35	Stack Junction Gate HP Sensor	B2	2/2
S28	55	Fold Bottom Fence HP Sensor	B2	2/2
S29	52	Fold Plate HP Sensor	C2	2/2
S30	54	Fold Cam HP Sensor	C2	2/2
S31	58	Fold Unit Exit Sensor	C2	2/2
S32	34	Stack Present Sensor	D2	2/2
S33	28	Lower Tray Full Sensor - Rear	G2	2/2
S34	27	Lower Tray Full Sensor - Front	G2	2/2
Solenoids				
SOL1	18	Proof Junction Gate Solenoid	D10	1/2
SOL2	2	Stapling Tray Junction Gate	D10	1/2
SOL3	25	Positioning Roller Solenoid	D10	1/2
SOL4	24	Stapling Edge Pressure Plate Solenoid	D10	1/2
SOL5	33	Booklet Pressure Roller	G9	2/2
Switches				
SW1	22	Front Door Safety Switch	B6	1/2
SW2	10	Upper Tray Limit SW	F10	1/2

Bridge Unit (D634) POINT TO POINT DIAGRAM



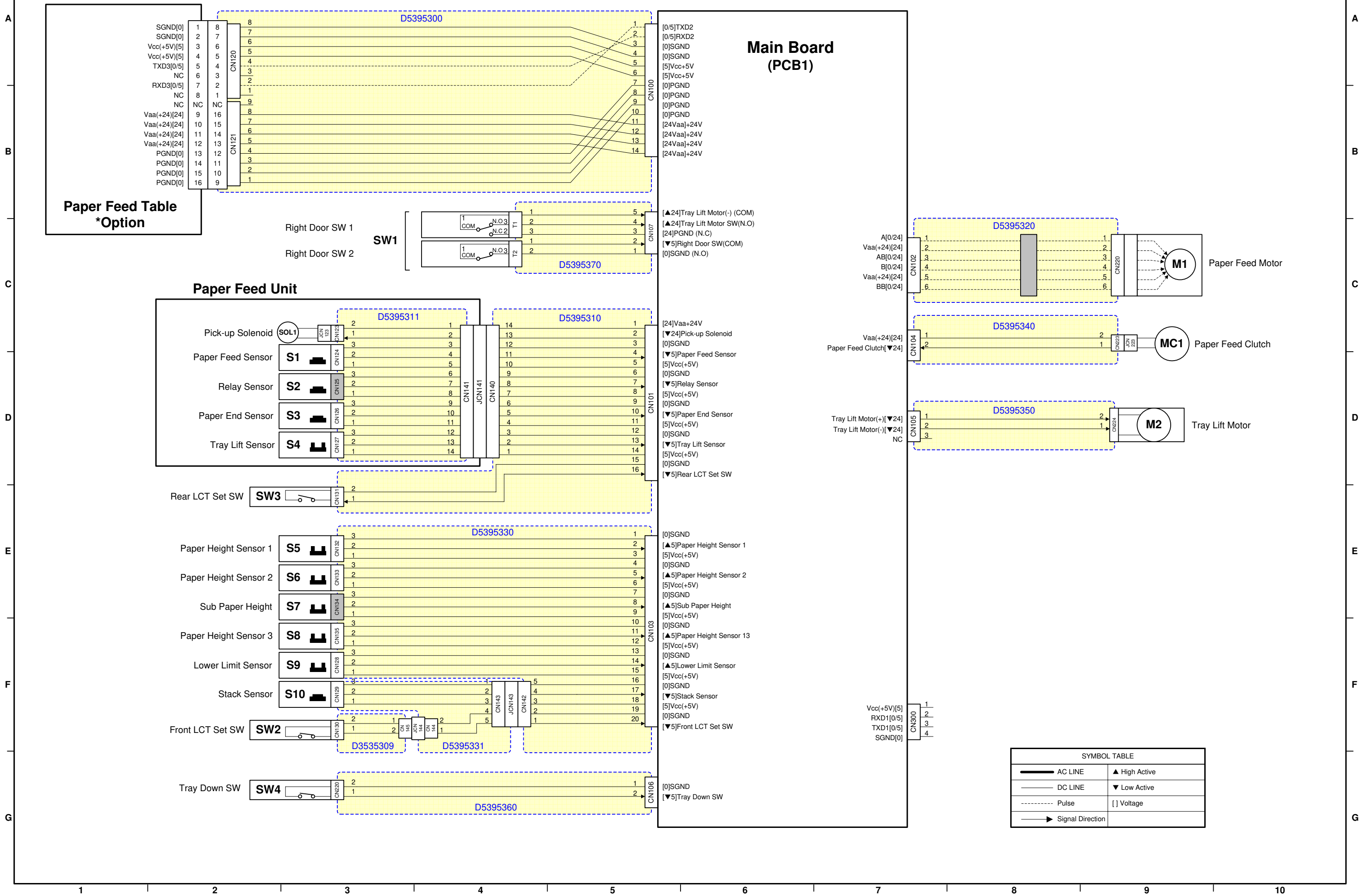
Bridge Unit (D634) ELECTRICAL COMPONENT LAYOUT



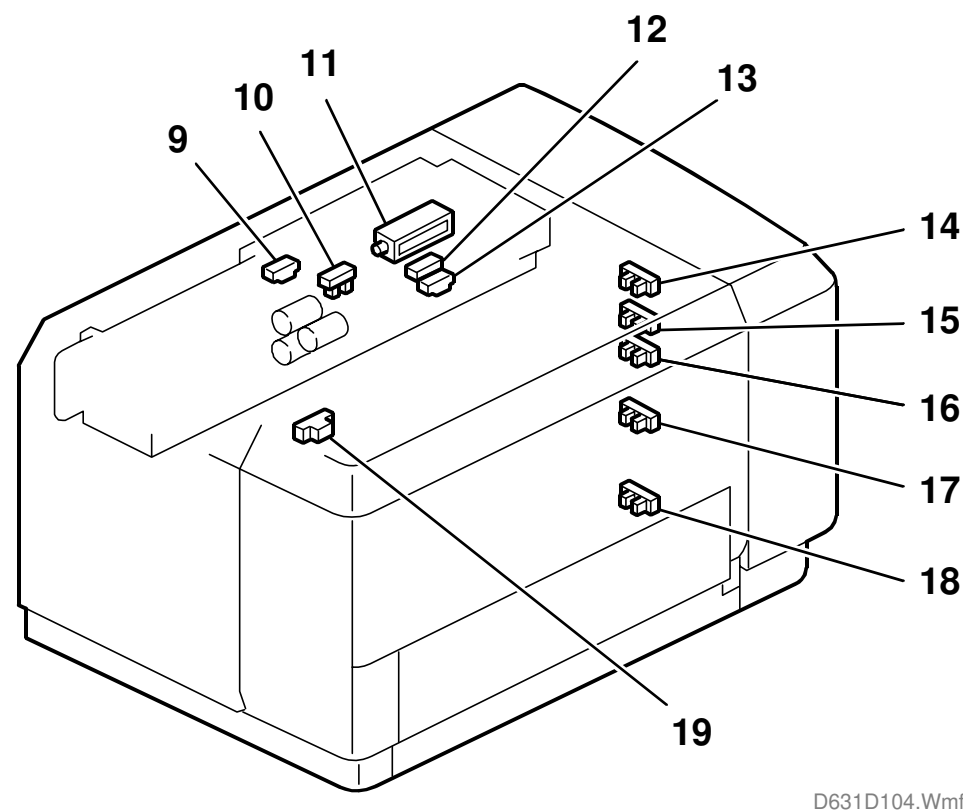
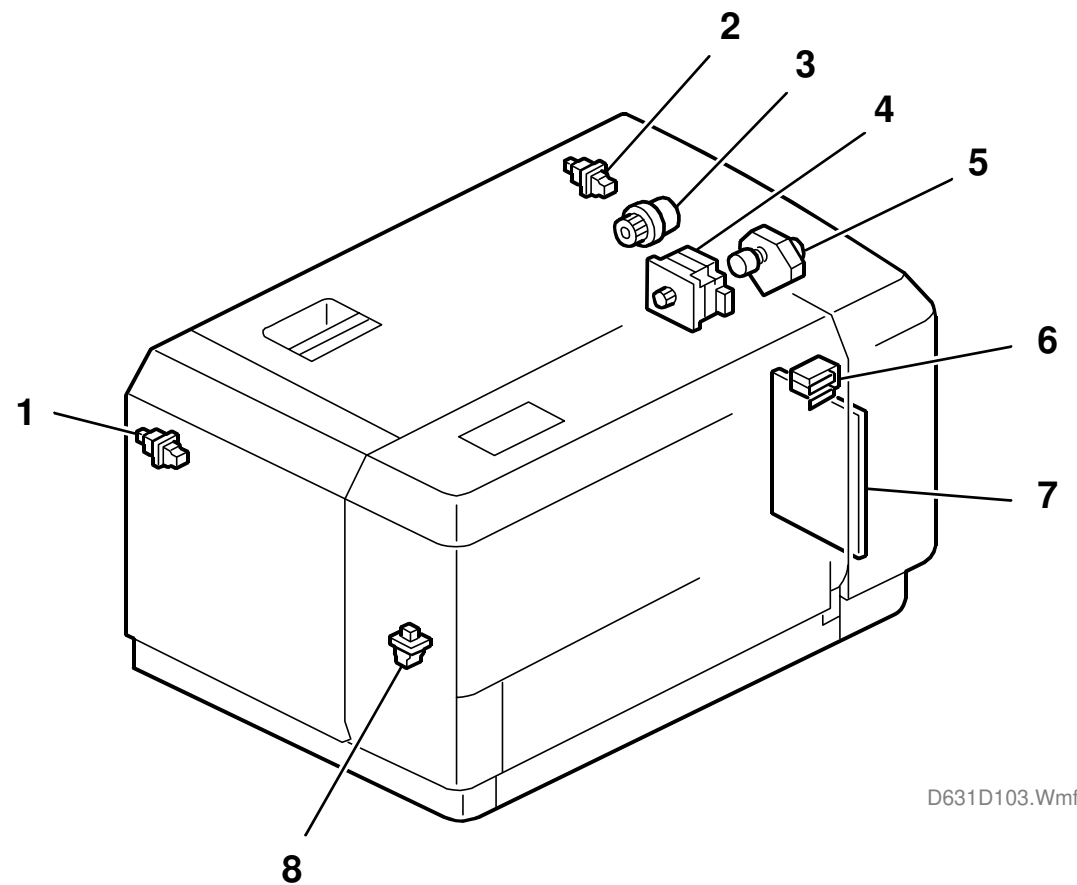
D634D102.Wmf

Symbol	Index No.	Description	P to P
Motor			
M1	6	Side Tray Drive Motor	E8
PCB			
PCB1	5	Main Board	C5
Sensors			
S1	7	Side Tray Relay Sensor	C8
S2	4	Side Tray Exit Sensor	D8
Solenoid			
SOL1	3	Junction Gate Solenoid	B8
Switchs			
SW1	1	Left Guide Switch	C8
SW2	2	Right Guide Switch	D8

LCIT (D631) POINT TO POINT DIAGRAM



LCIT (D631) ELECTRICAL COMPONENT LAYOUT



Symbol	Index No.	Description	P to P
Motors			
M1	4	Paper Feed Motor	C9
M2	5	Tray Lift Motor	C9
Magnetic Clutche			
MC1	3	Paper Feed Clutch	D9
PCB			
PCB1	7	Main Board	A6
Sensors			
S1	12	Paper Feed Sensor	D3
S2	9	Relay Sensor	D3
S3	13	Paper End Sensor	D3
S4	10	Tray Lift Sensor	D3
S5	14	Paper Height Sensor 1	E3
S6	15	Paper Height Sensor 2	E3
S7	16	Sub Paper Height	E3
S8	17	Paper Height Sensor 3	F3
S9	18	Lower Limit Sensor	F3
S10	19	Stack Sensor	F3
Solenoid			
SOL1	11	Pick-up Solenoid	C2
Switches			
SW1	6	Right Door SW 1,2	C4
SW2	1	Front LCT Set SW	F3
SW3	2	Rear LCT Set SW	E3
SW4	8	Tray Down SW	G3

1000-SHEET FINISHER (B408/D588) POINT TO POINT DIAGRAM

SYMBOL TABLE

—	DC Line	Active Low
- - -	Pulse Signal	Active High
→	Signal Direction	Voltage

Bridge Unit

Front Door Safety Switch SW2

Lower Tray Upper Limit Switch SW1

Upper Cover Switch SW3

Entrance Sn. S1

Paper Limit Sn. S2

Shift H.P. Sn. S4

Lower Tray Exit Sn. S9

Exit Guide Plate H.P. Sn. S7

Stapler H.P. Sn. S6

Stapler Tray Entrance Sn. S8

Lower Tray Lower Limit Sn. S11

Stack Height Sn. S10

Stapler Tray Paper Sn. S12

Stack Feed-out Belt H.P. Sn. S5

Jogger Fence H.P. Sn. S3

Main PCB (PCB 1)

N.C.

+24V

+24V

+24V

+24V

GND

GND

GND

GND

GND

GND

GND

GND

+5V

+5V

RXD

ZESM

TXD

+5V

+24V

+24V

[24] Front Door Safety Switch

+24V

[24] Lower Tray Upper Limit Switch

+24V

[24] Upper Cover Switch

[5] Entrance Sensor

GND

+5V

+5V

[5] Paper Limit Sensor

GND

GND

[5] Shift H.P. Sensor

+5V

N.C.

GND

[5] Lower Tray Exit Sensor

+5V

GND

[5] Exit Guide Plate H.P. Sensor

+5V

GND

[5] Stapler H.P. Sensor

+5V

[5] Stapler Tray Entrance Sensor

GND

+5V

GND

[5] Lower Tray Lower Limit Sensor

+5V

GND

[5] Stack Height Sensor

+5V

GND

[5] Stapler Tray Paper Sensor

+5V

GND

[5] Stack Feed-out Belt H.P. Sensor

+5V

GND

[5] Jogger Fence H.P. Sensor

+5V

+5V

Stapler Rotation Sensor [5]

Staple Sheet Sensor [5]

Staple Sensor [5]

GND

Staple Hammer Motor [- 24]

Staple Hammer Motor [- 24]

Staple Hammer Motor [+ 24]

Staple Hammer Motor [+ 24]

Upper Transport Motor M1

Exit Motor M7

Lower Transport Motor M2

Shift Motor M9

Exit Guide Plate Motor M6

Stack Feed-out Motor M5

Jogger Fence Motor M3

Stapler Motor M10

Lower Tray Lift Motor M8

Tray Junction Gate SOL1

Stapler Junction Gate SOL2

Positioning Roller SOL3

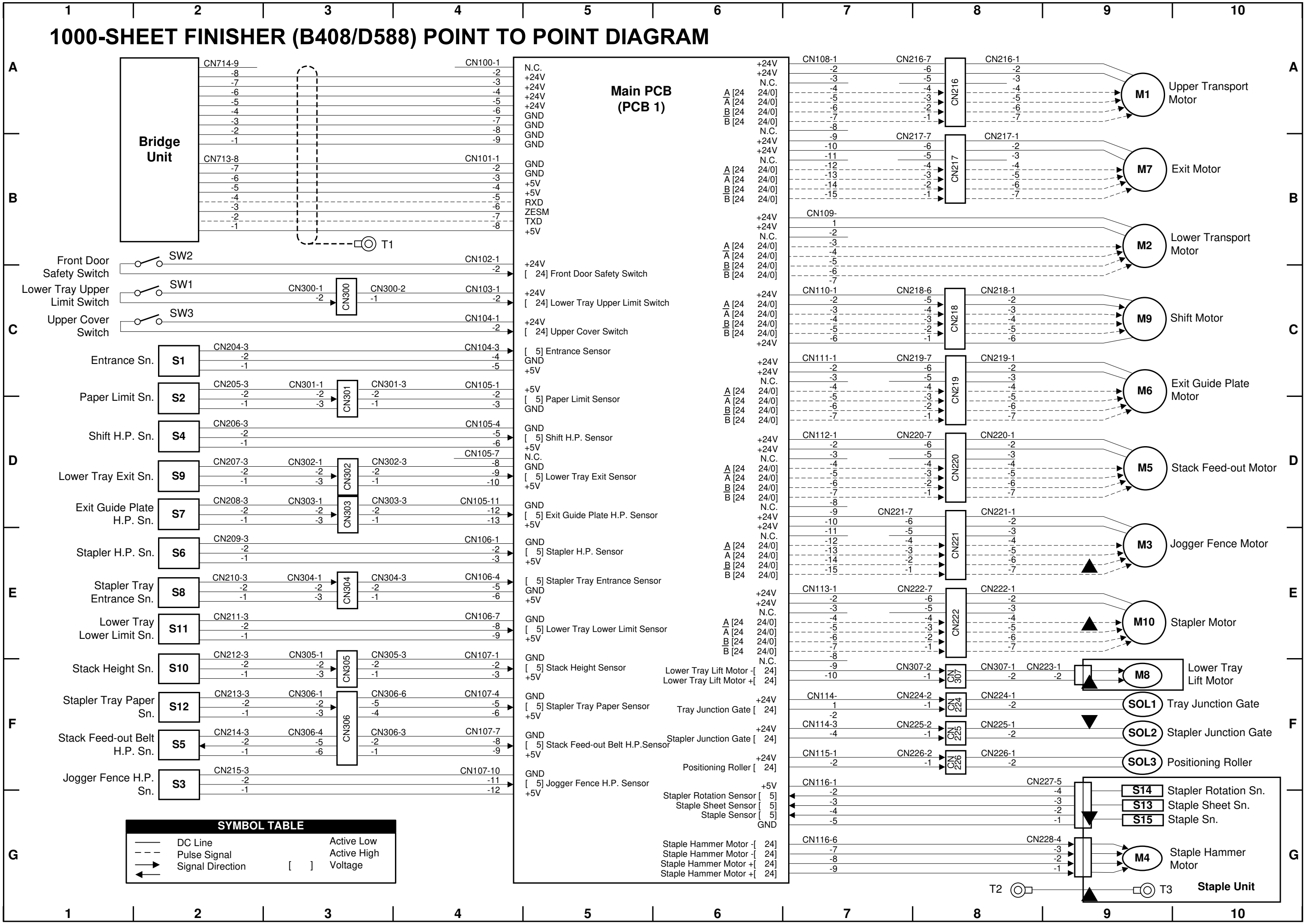
Stapler Rotation Sn. S14

Staple Sheet Sn. S13

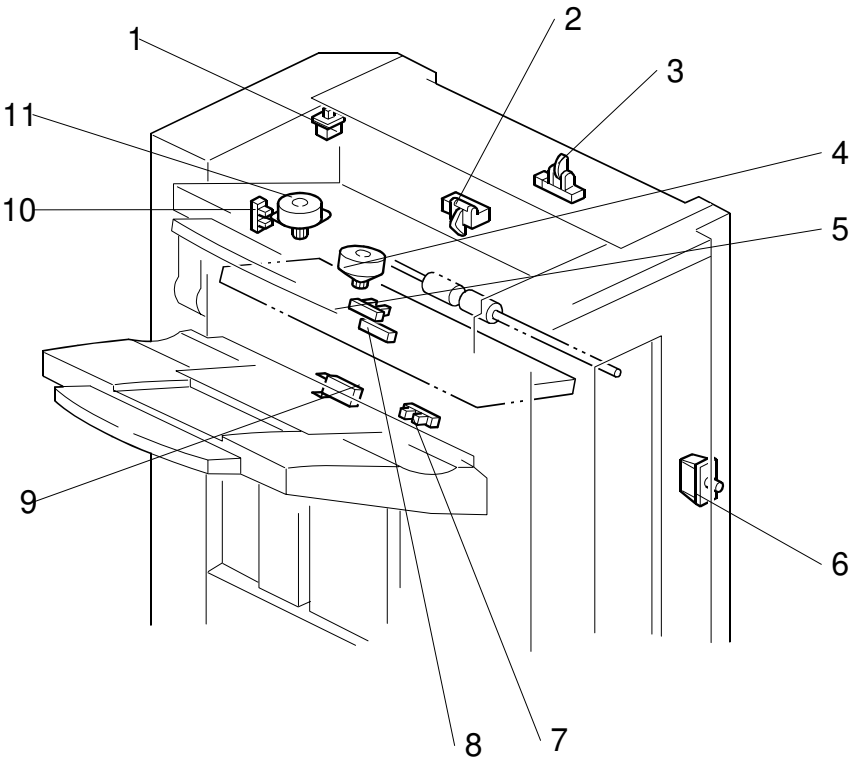
Staple Sn. S15

Staple Hammer Motor M4

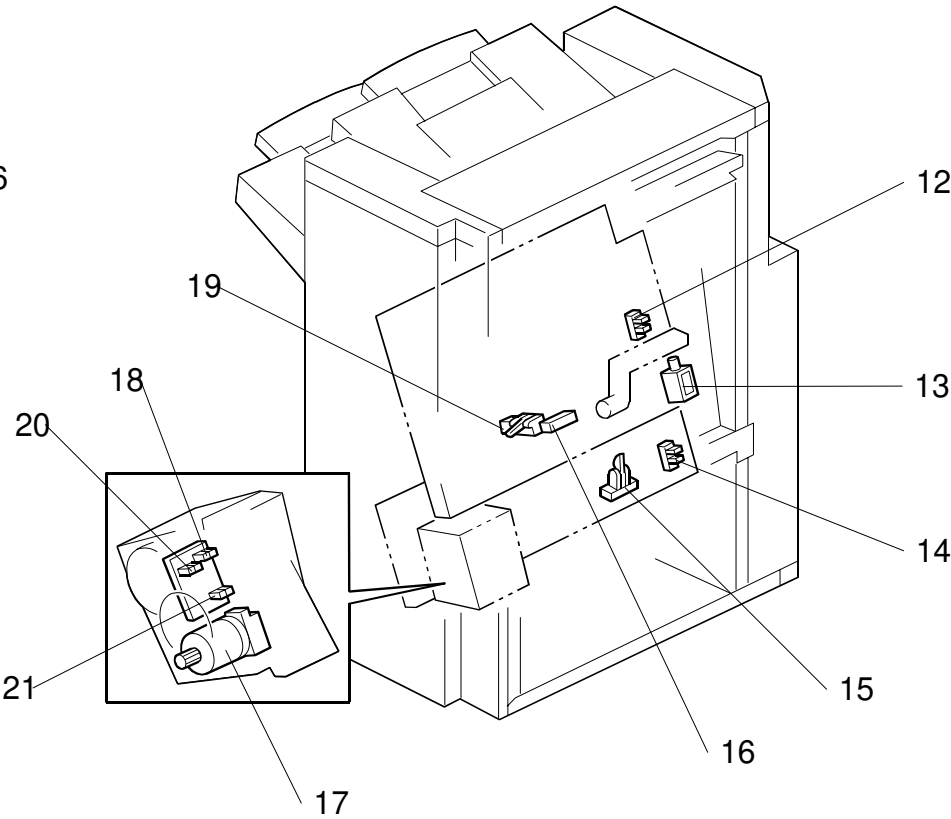
Staple Unit



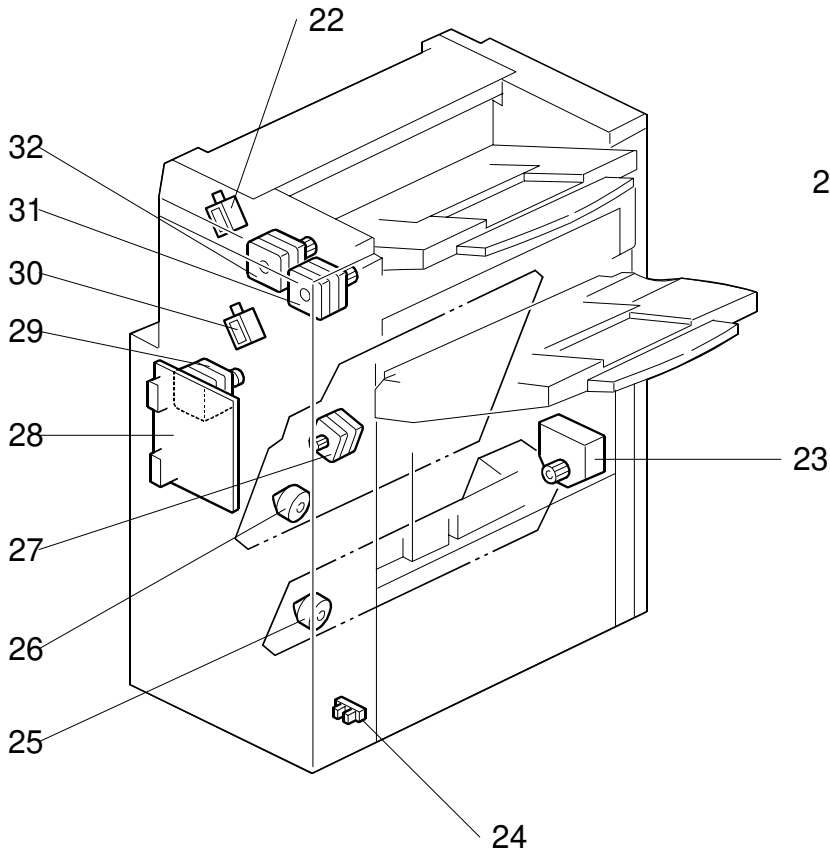
1000-SHEET FINISHER (B408/D588) ELECTRICAL COMPONENT LAYOUT



B408D102.WMF



B408D103.WMF

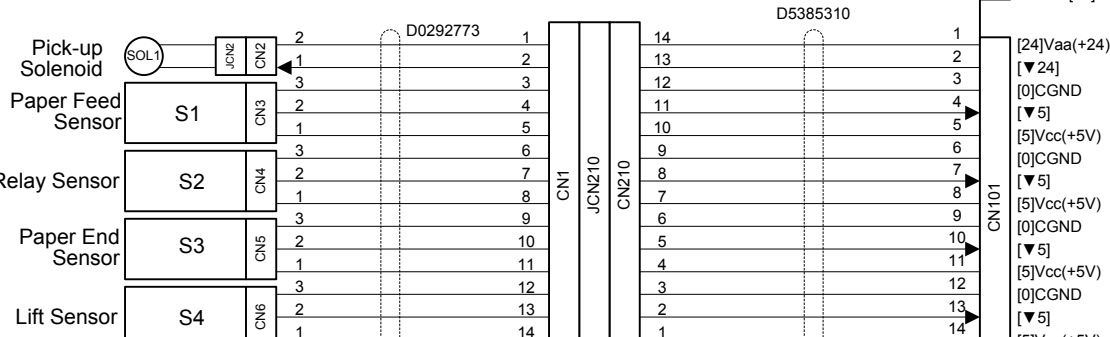
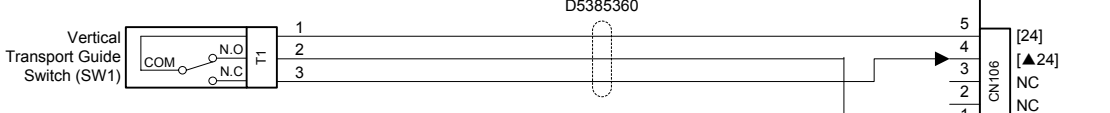
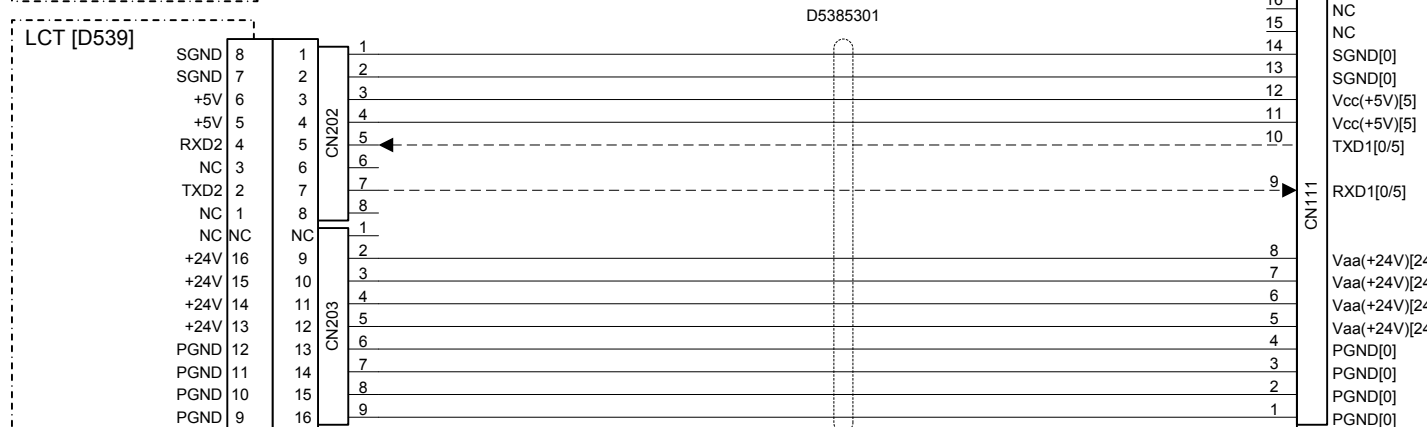
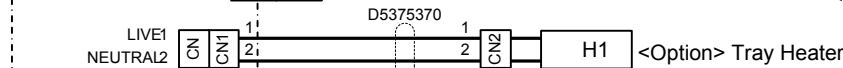
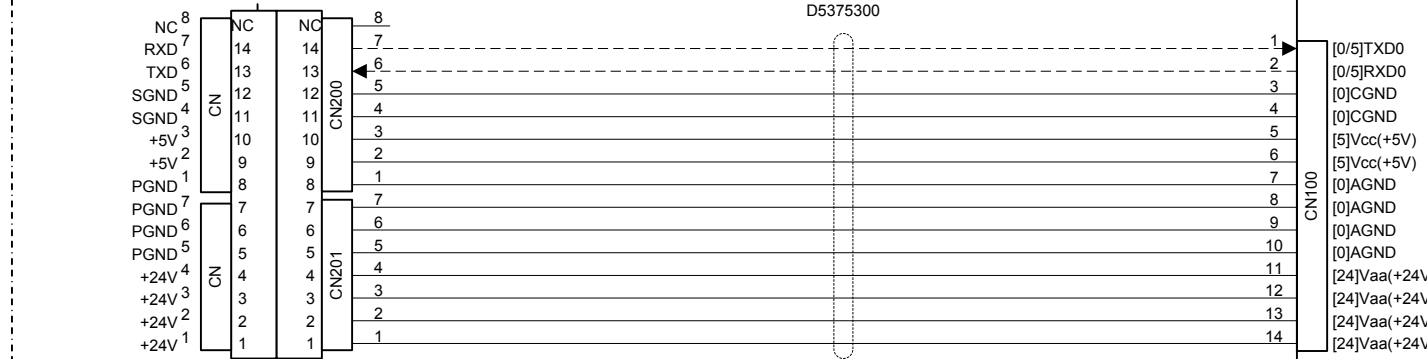


B408D104.WMF

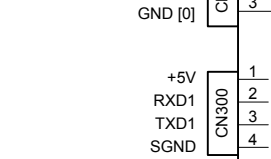
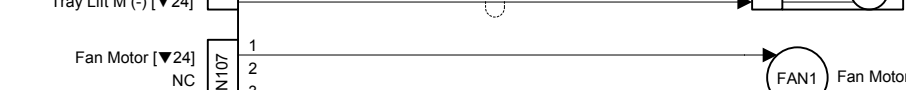
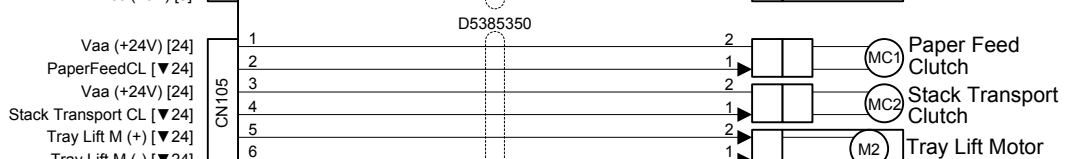
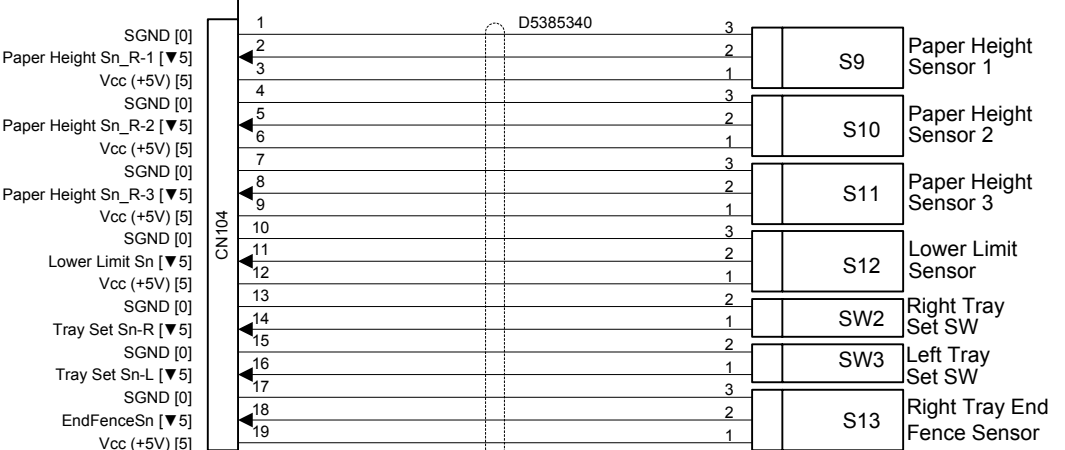
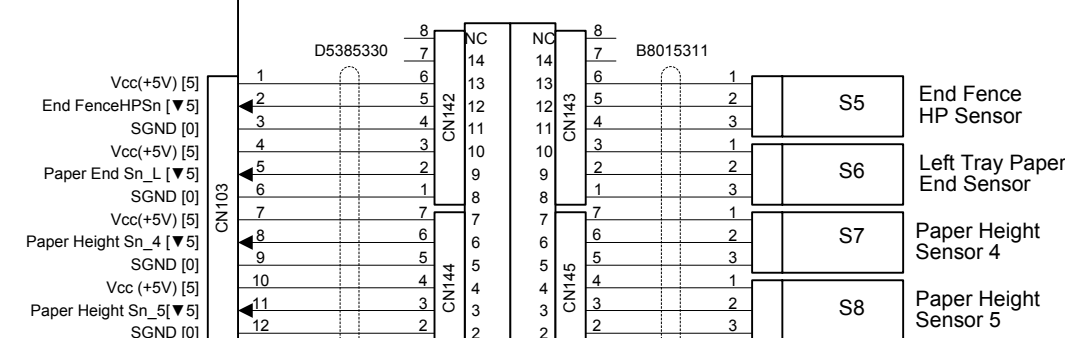
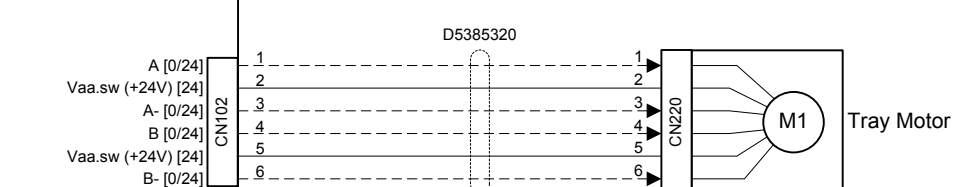
Symbol	Name	Index No.	P to P
Motors			
M1	Upper Transport	32	A9
M2	Lower Transport	29	B9
M3	Jogger Fence	26	E9
M4	Staple Hammer	17	G4
M5	Stack Feed-out	27	D9
M6	Exit Guide Plate	4	C9
M7	Exit	31	B9
M8	Lower Tray Lift	23	F9
M9	Shift	11	C9
M10	Stapler	25	E9
Sensors			
S1	Entrance	3	C2
S2	Paper Limit	2	D2
S3	Jogger Fence HP	12	F2
S4	Shift HP	10	D2
S5	Stack Feed-out Belt HP	19	F2
S6	Stapler HP	14	E2
S7	Exit Guide Plate HP	5	D2
S8	Stapler Tray Entrance	15	E2
S9	Lower Tray Exit	8	D2
S10	Stack Height	7	F2
S11	Lower Tray Lower Limit	24	E2
S12	Stapler Tray Paper	16	F2
S13	Staple Sheet	18	G9
S14	Stapler Rotation HP	20	G9
S15	Staple	21	G9
Solenoids			
SOL1	Tray Junction Gate	22	F9
SOL2	Stapler Junction Gate	30	F9
SOL3	Positioning Roller	13	F9
Switches			
SW1	Lower Tray Upper Limit	9	C2
SW2	Front Door Safety	6	C2
SW3	Upper Cover	1	C2
PCBs			
PCB1	Main	28	A5

D581 POINT TO POINT DIAGRAM

[Main Frame]



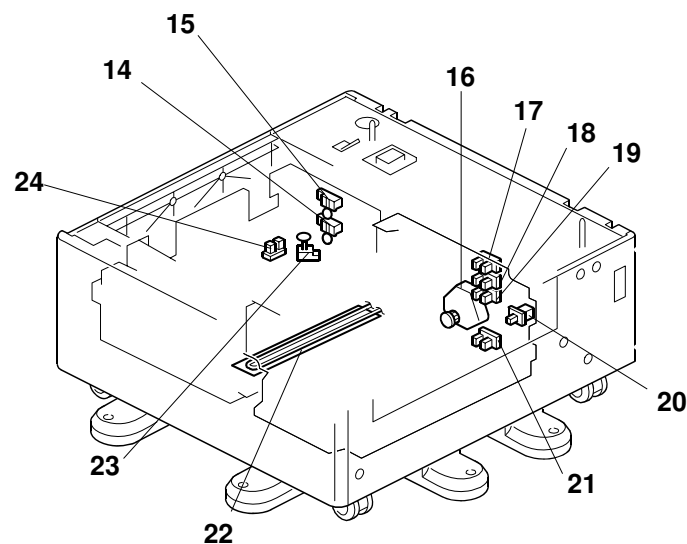
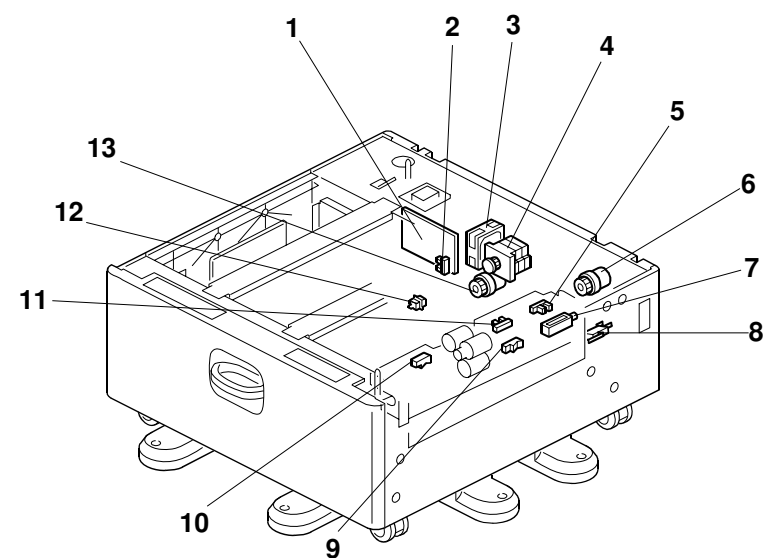
Main Board (PCB1)



SYMBOL TABLE

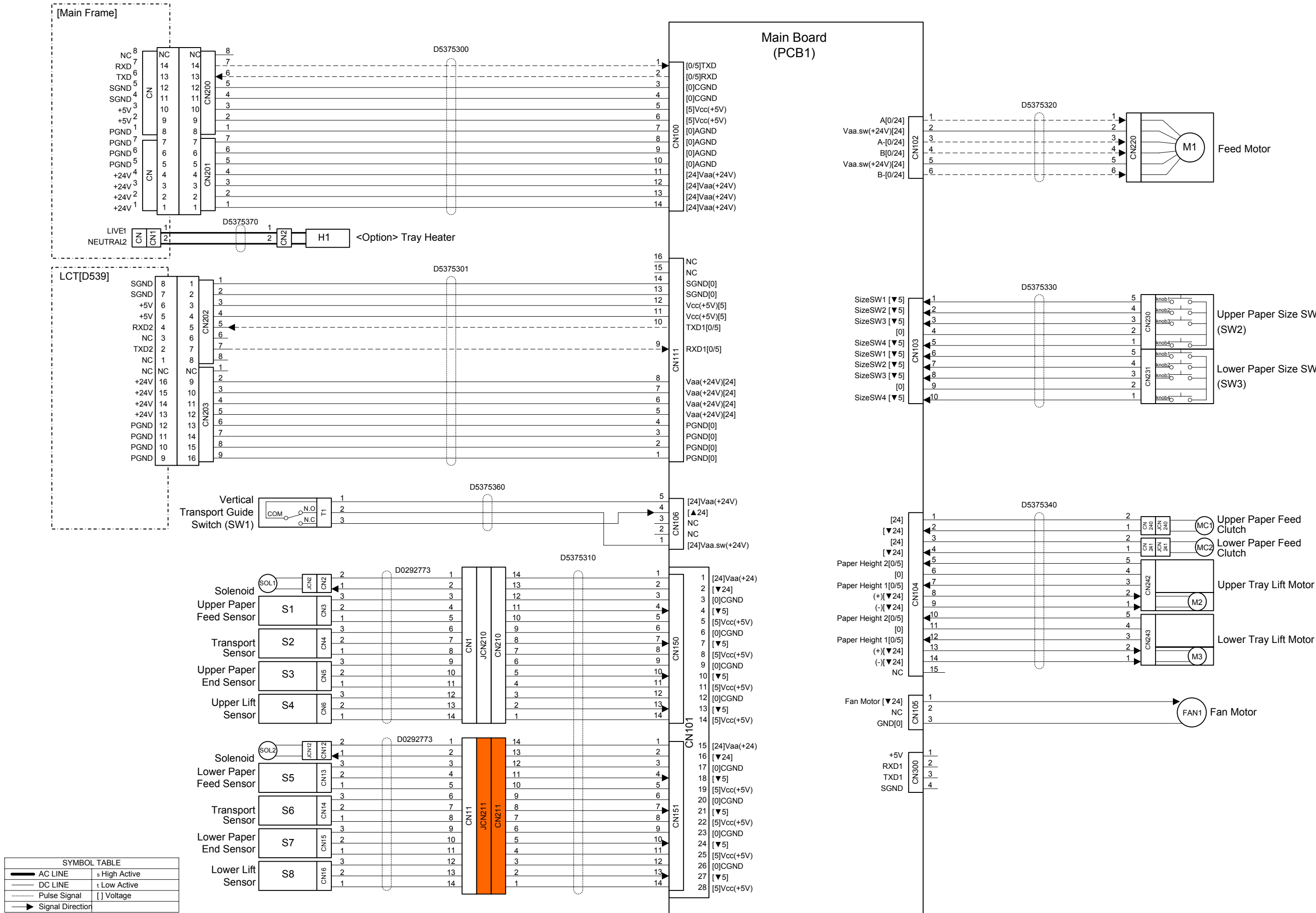
AC LINE	▲ High Active
DC LINE	▼ Low Active
Pulse	[] Voltage
Signal Direction	

ELECTRICAL COMPONENT LAYOUT (D581)

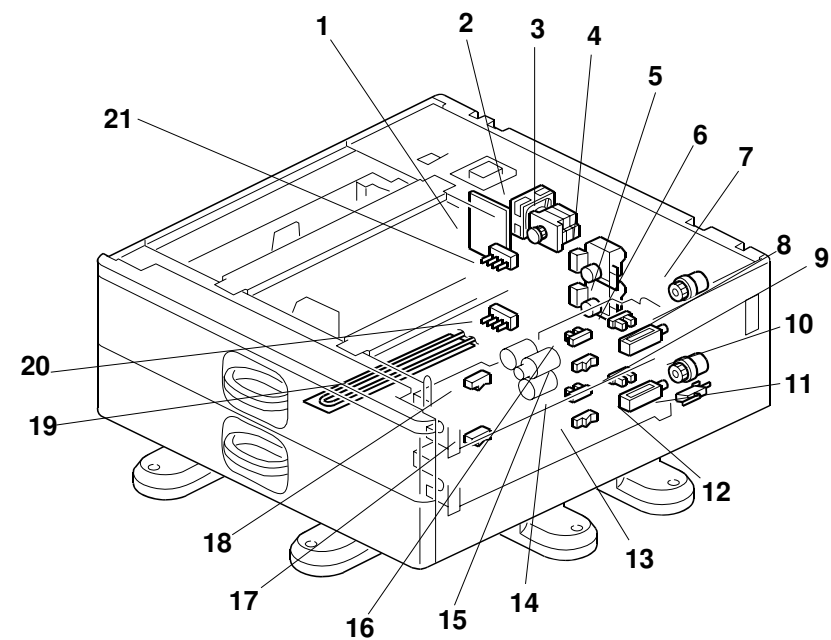


Symbol	Name	Index No.	P to P
Motors			
M1	Tray Motor	4	B9
M2	Tray Lift Motor	16	E9
Sensors			
S1	Paper Feed	10	E3
S2	Relay	9	E3
S3	Paper End	11	F3
S4	Lift	5	F3
S5	End Fence HP	24	C9
S6	Left Tray Paper End	23	C9
S7	Paper Height 4	15	C9
S8	Paper Height 5	14	C9
S9	Paper Height 1	17	D9
S10	Paper Height 2	18	D9
S11	Paper Height 3	19	D9
S12	Lower Limit	21	D9
S13	Right Tray End Fence	2	E9
Solenoids			
SOL1	Pick-up	7	E3
Switches			
SW1	Vertical Guide	8	D3
SW2	Right Tray Set	20	E9
SW3	Left Tray Set	12	E9
Magnetic Clutches			
MC1	Paper Feed	6	E9
MC2	Stack Transport	13	E9
PCBs			
PCB1	Main Board	1	B6
Others			
H1	Optional Tray Heater	22	C3
Fan			
FAN1	Fan Motor	3	F9

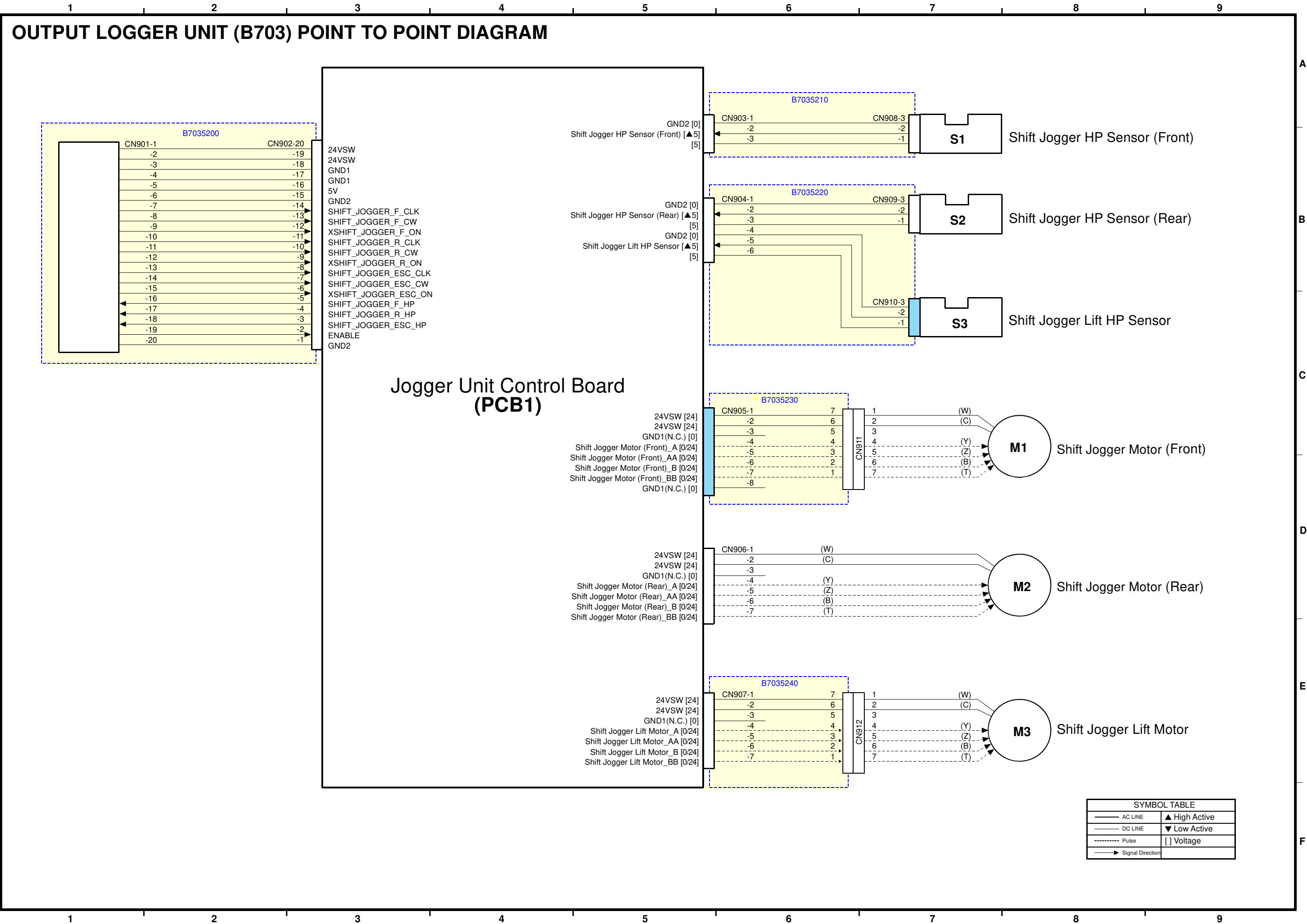
D580 POINT TO POINT DIAGRAM



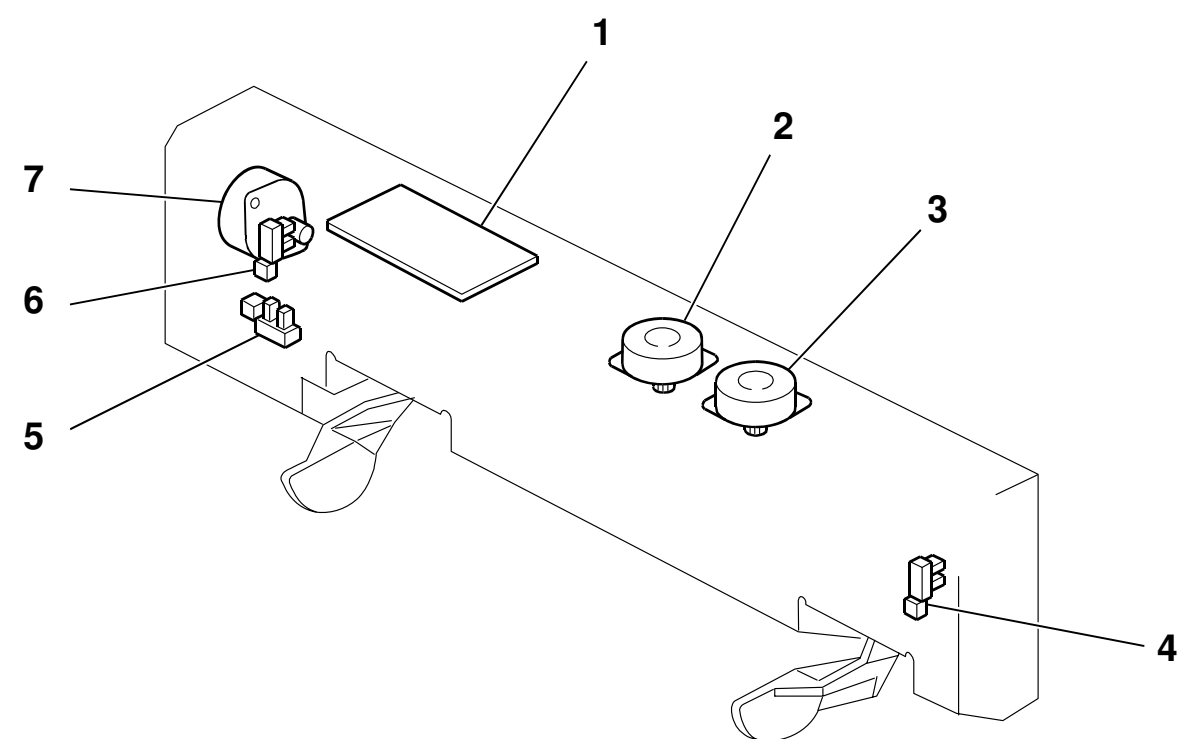
ELECTRICAL COMPONENT LAYOUT (D580)



Symbol	Name	Index No.	P to P
Motors			
M1	Feed Motor	3	B9
M2	Upper Tray Lift Motor	4	E9
M3	Lower Tray Lift Motor	5	E9
Sensors			
S1	Upper Paper Feed	18	E3
S2	Upper Vertical Transport	15	E3
S3	Upper Paper End	16	F3
S4	Upper Lift	6	F3
S5	Lower Paper Feed	17	F3
S6	Lower Vertical Transport	13	F3
S7	Lower Paper End	14	G3
S8	Lower Lift	9	G3
Solenoids			
SOL1	Lower Pick-up	8	E3
SOL1	Upper Pick-up	12	F3
Switches			
SW1	Vertical Transport Guide	11	D3
SW2	Upper Paper Size	21	C9
SW3	Lower Paper Size	20	D9
Magnetic Clutches			
MC1	Upper Paper Feed	7	E9
MC2	Lower Paper Feed	10	E9
PCBs			
PCB1	Main Board	1	B6
Others			
H1	Optional Tray Heater	19	C3
Fan			
FAN1	Fan Motor	2	F9



OUTPUT LOGGER UNIT (B703) ELECTRICAL COMPONENT LAYOUT



B7030901.Wmf

Symbol	Index No.	Description	P to P
Sensors			
S1	4	Shift Jogger HP Sensor (Front)	A7-B7
S2	6	Shift Jogger HP Sensor (Rear)	B7
S3	5	Shift Jogger Lift HP Sensor	C7
Motors			
M1	3	Shift Jogger Motor (Front)	C8-D8
M2	2	Shift Jogger Motor (Rear)	D8
M3	7	Shift Jogger Lift Motor	E8
PCB			
PCB1	1	Jogger Unit Control Board	C4