

A

A

B

B

C

C

D

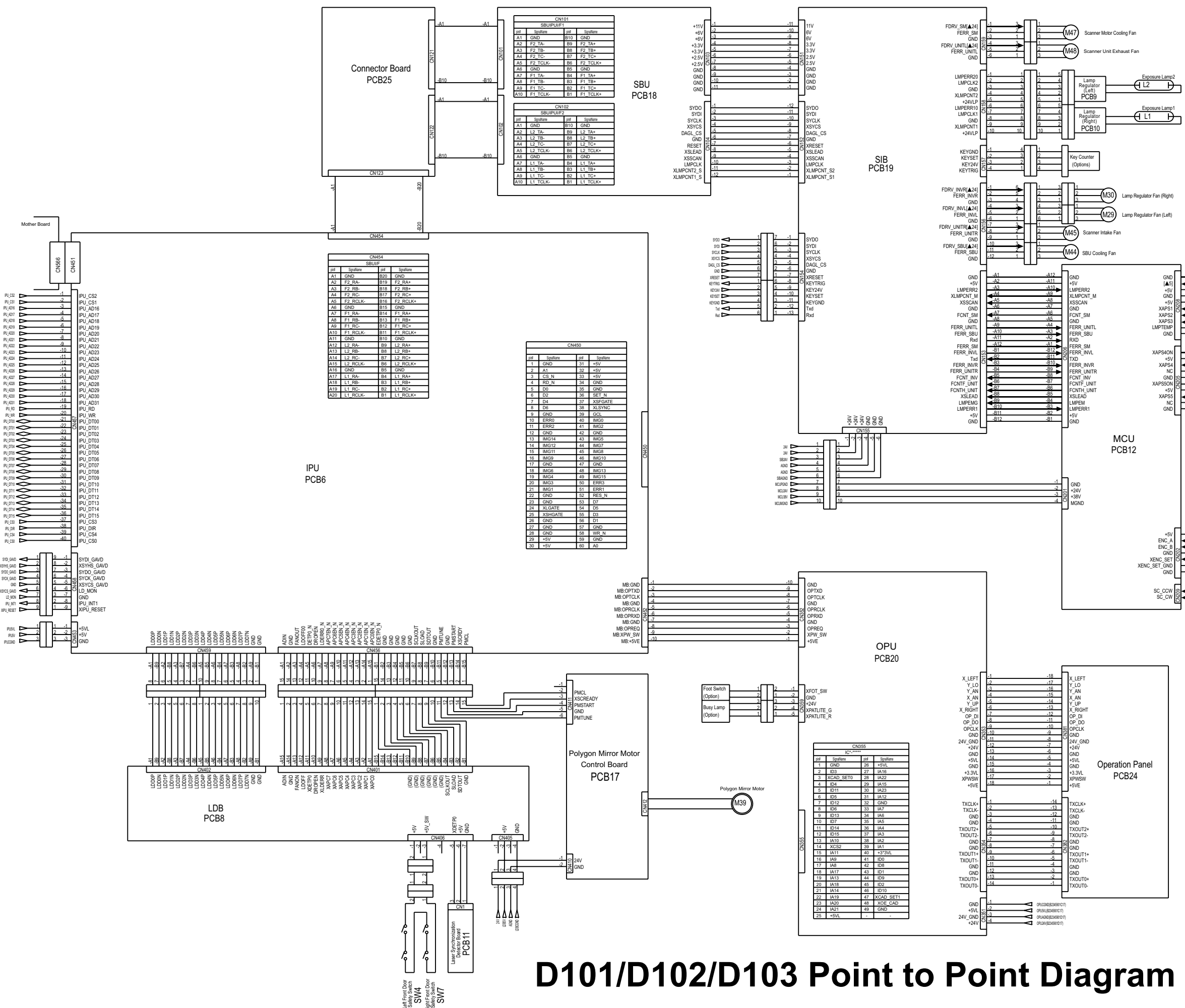
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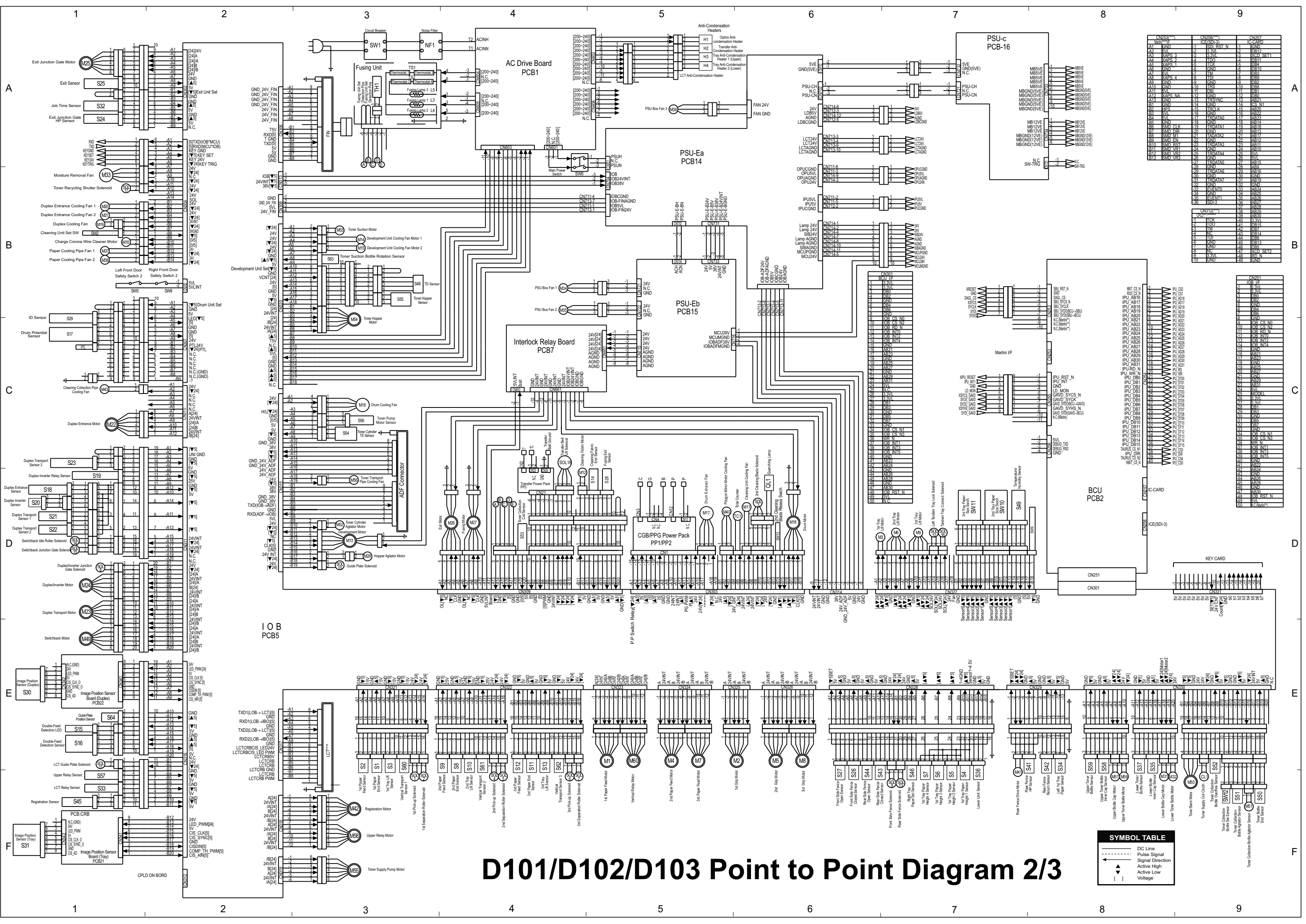
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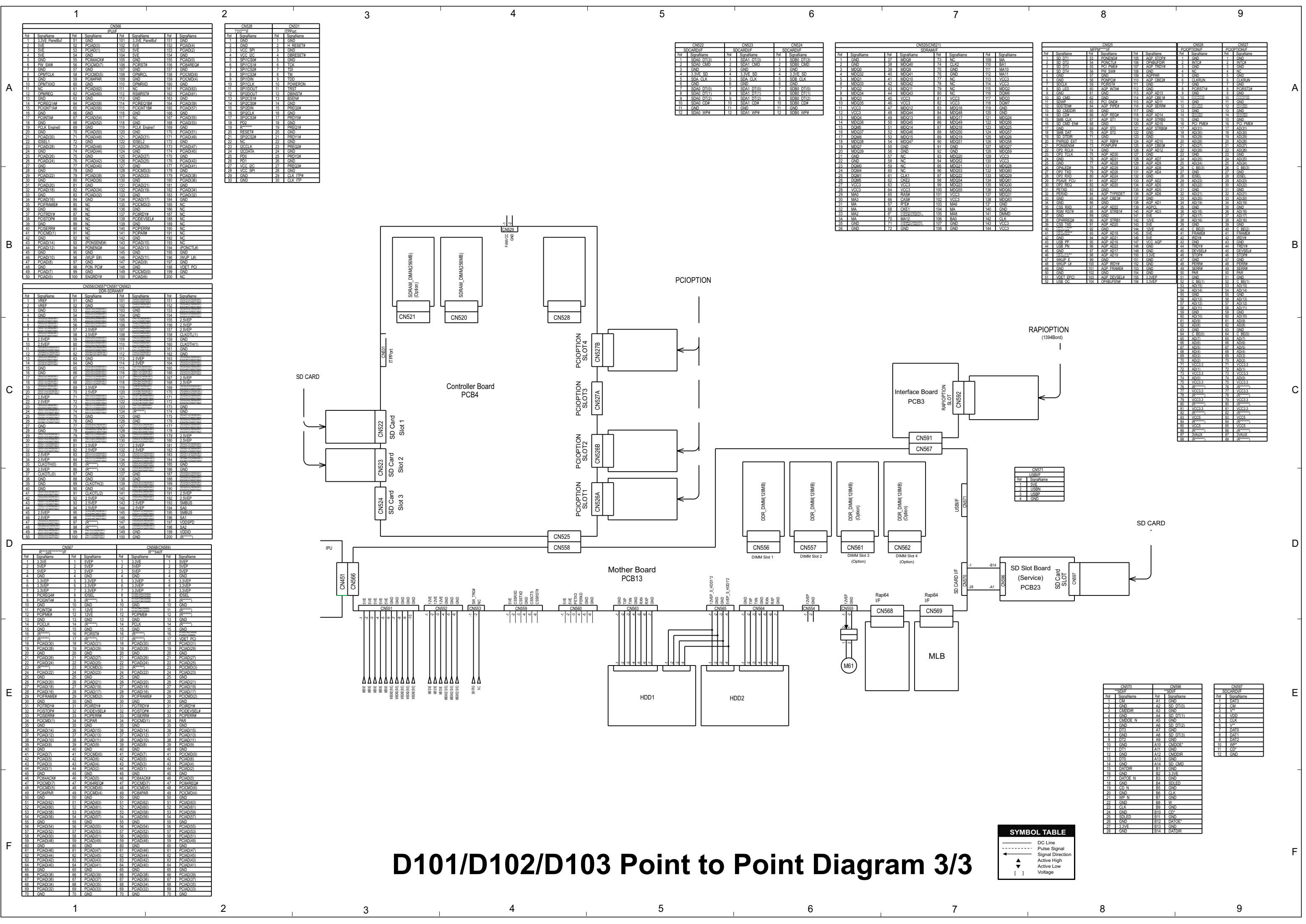


D101/D102/D103 Point to Point Diagram 1/3

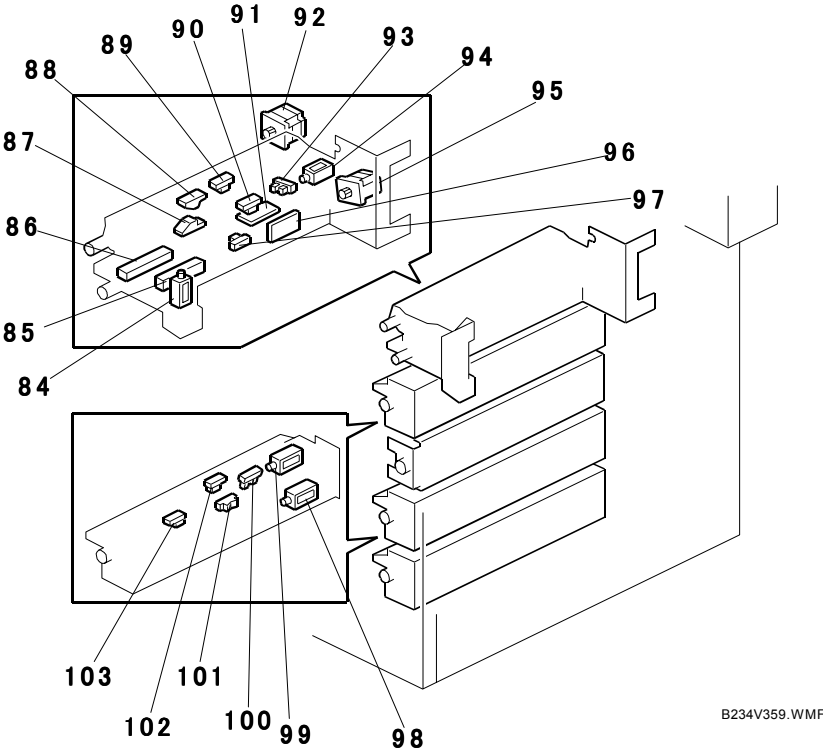
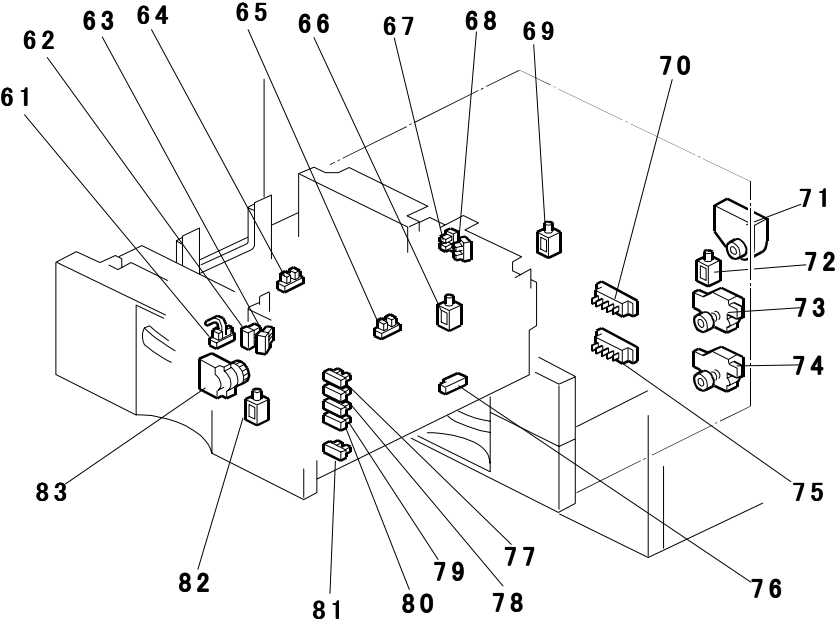
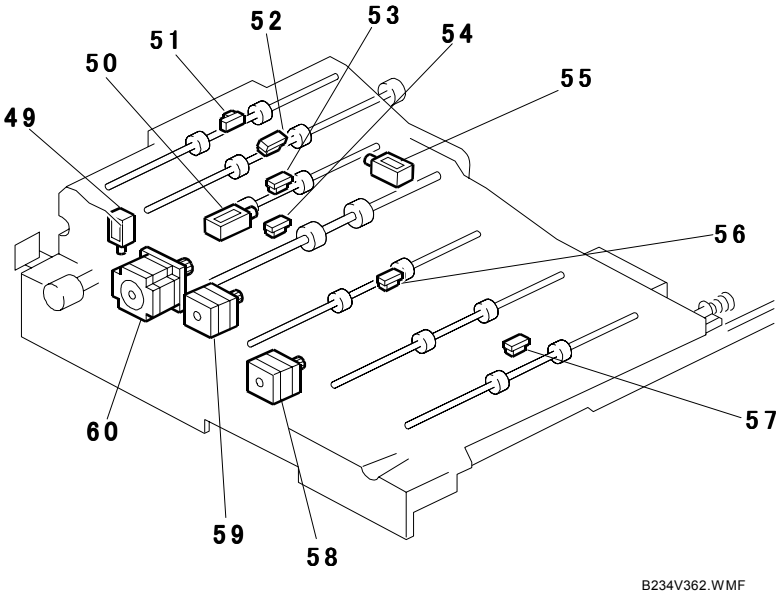
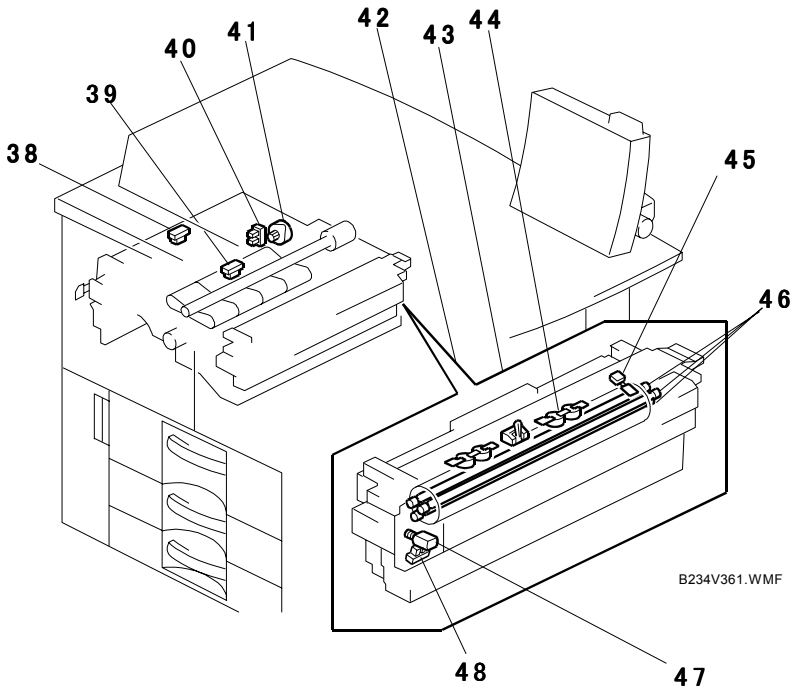
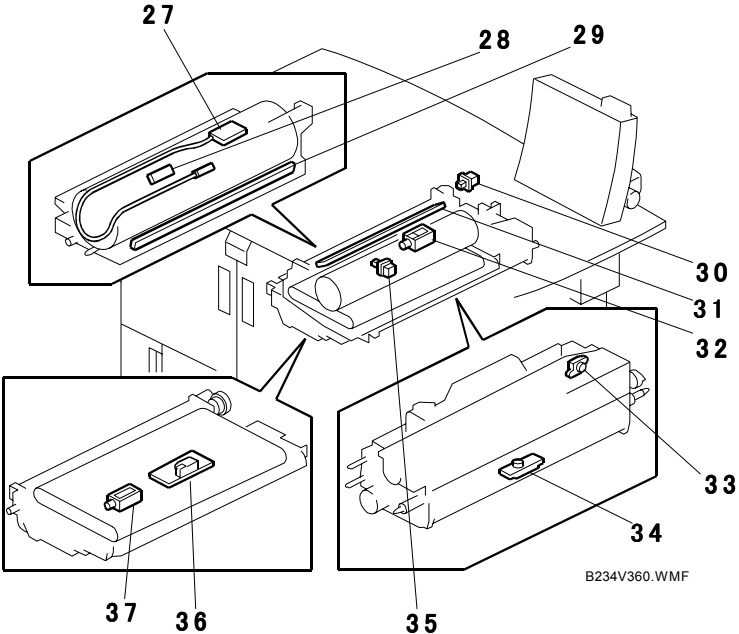
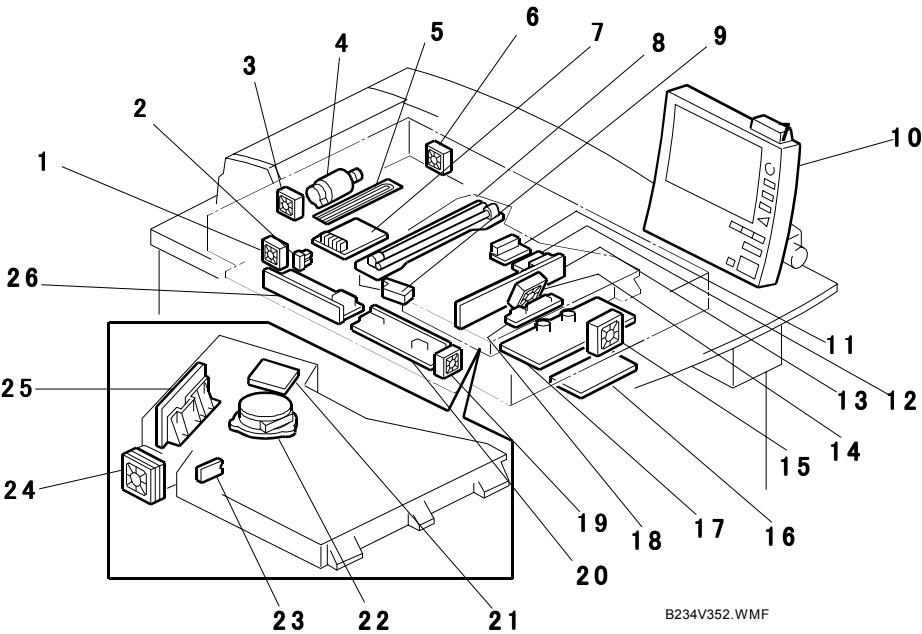
SYMBOL TABLE	
—	DC Line
---	Pulse Signal
→	Signal Direction
▲	Active High
▼	Active Low
[]	Voltage



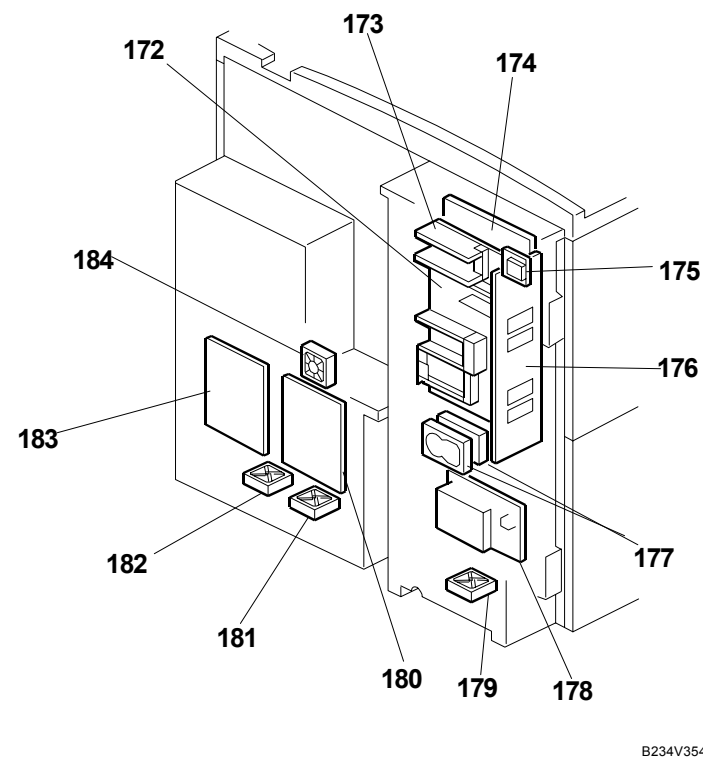
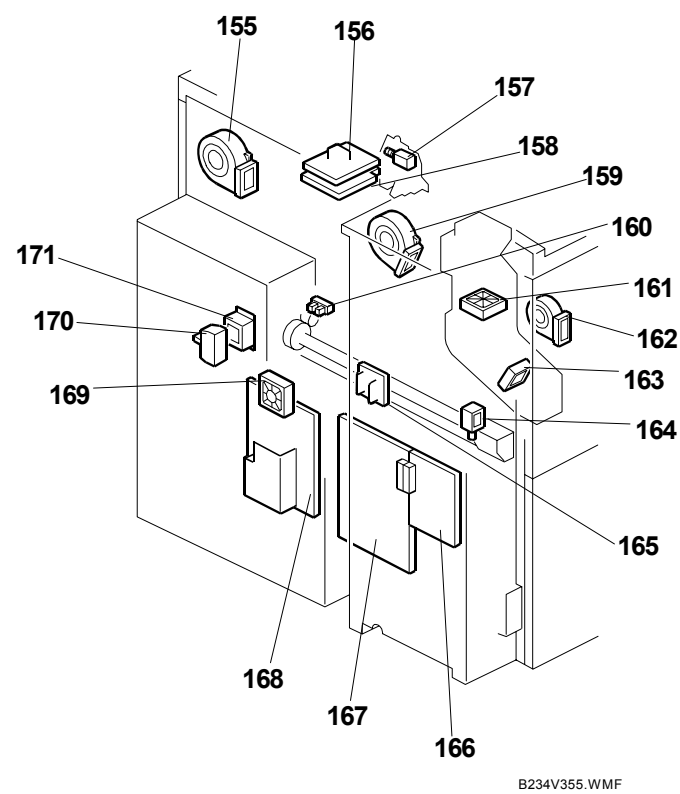
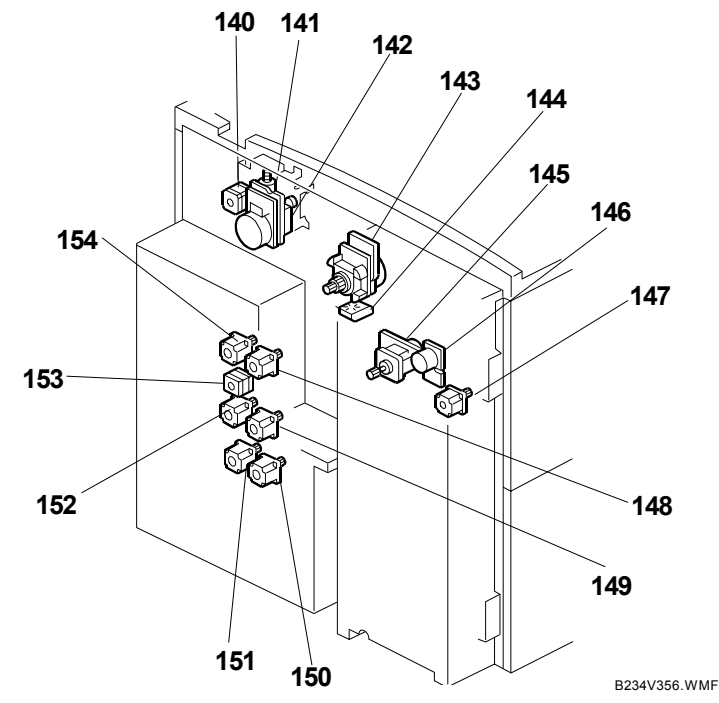
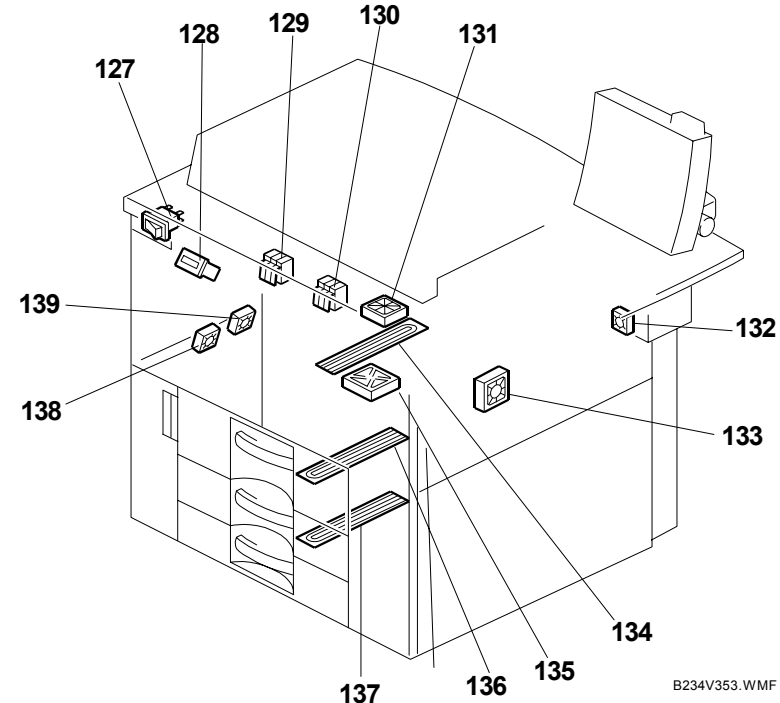
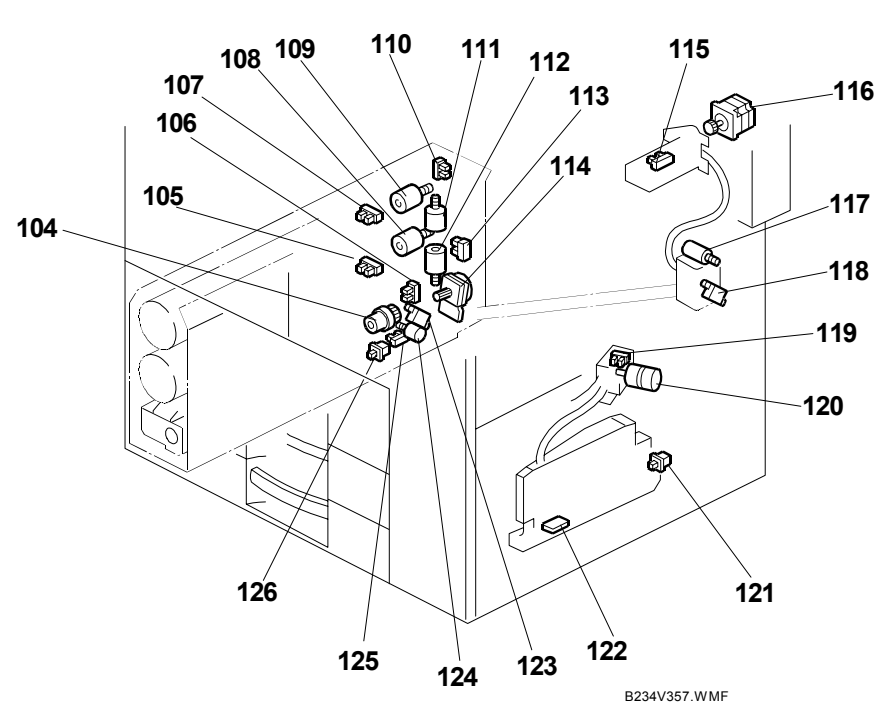
D101/D102/D103 Point to Point Diagram 2/3



D101/D102/D103 ELECTRICAL COMPONENT LAYOUT (1/3)



D101/D102/D103 ELECTRICAL COMPONENT LAYOUT (2/3)



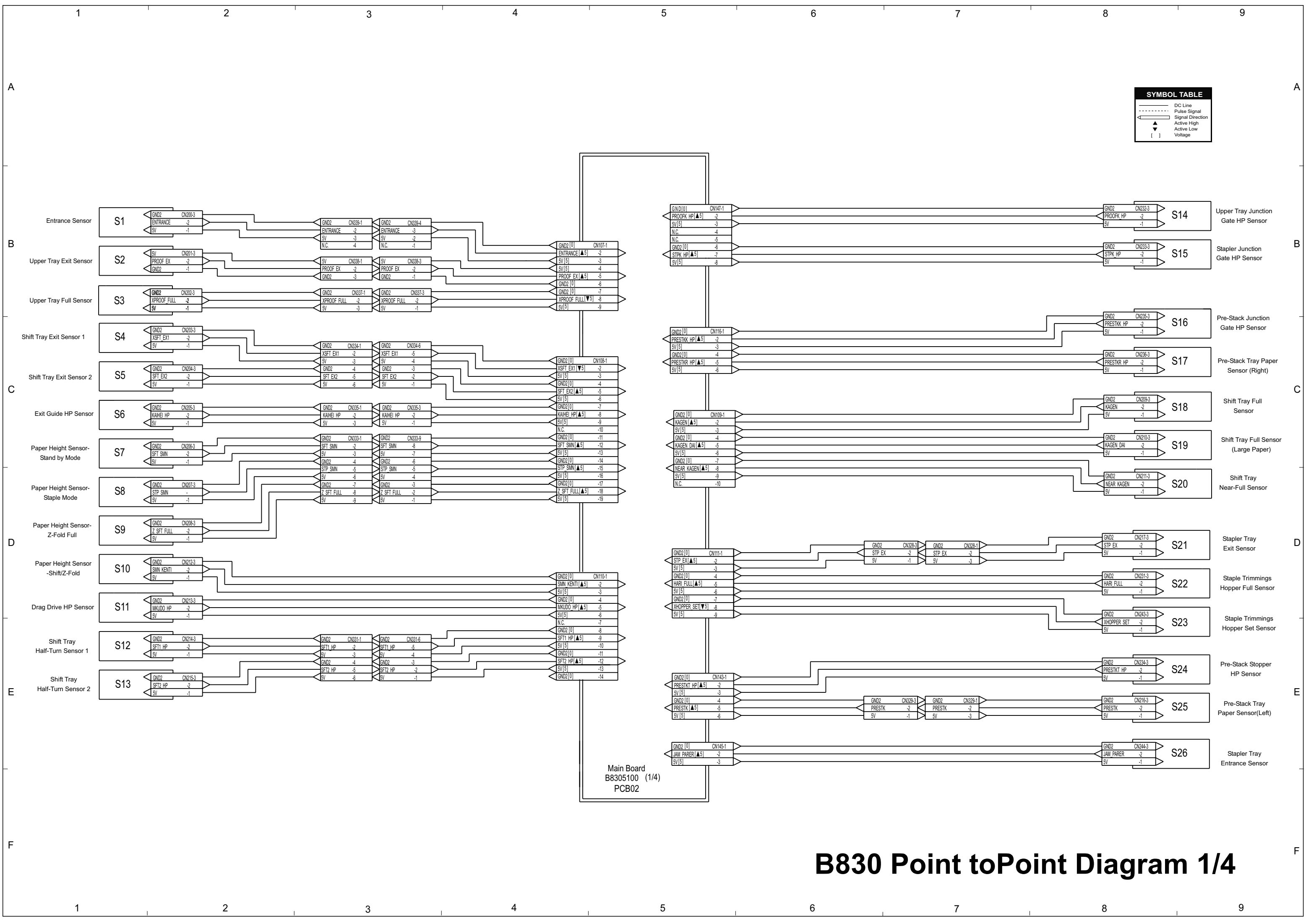
D101/D102/D103 ELECTRICAL COMPONENT LAYOUT (3/3)

Symbol	Index No.	Name	P to P
Clutches			
CL1	104	Toner Supply Coil Clutch	2-F9
Heaters			
H1	5	Optics Anti-condensation Heater	2-A5
H2	134	Transfer Anti-Condensation eater	2-A5
H3	136	Tray Anti-Condensation Heater 1 (Upper)	2-A5
H4	137	Tray Anti-Condensation Heater 2 (Lower)	2-A5
Lamps			
L1	8	Exposure Lamp 1	1-A8
L2	8	Exposure Lamp 2	1-A8
L3	46	Fusing Lamp 1	2-A3
L4	46	Fusing Lamp 2	2-A3
L5	46	Fusing Lamp 3	2-A3
L6	29	PTL	2-C1
QL1	31	Quenching Lamp	2-D6
Motors			
M1	148	1st Paper Feed Motor	2-E5
M2	154	1st Grip Motor	2-E6
M3	71	1st Tray Lift Motor	2-D7
M4	149	2nd Paper Feed Motor	2-E5
M5	152	2nd Grip Motor	2-E6
M6	73	2nd Tray Lift Motor	2-D7
M7	150	3rd Paper Feed Motor	2-E5
M8	151	3rd Grip Motor	2-E6
M9	74	3rd Tray Lift Motor	2-D7
M10	157	Charge Corona Wire Cleaner Motor	2-B1
M11	131	Cleaning Unit Cooling Fan	2-D6
M12	47	Cleaning Fabric Motor	2-D4
M13	142	Development Motor	2-D3
M14	132	Development Unit Cooling Fan Motor 1	2-B3
M15	133	Development Unit Cooling Fan Motor 2	2-B3
M16	155	Drum Cooling Fan	2-C3
M17	159	Drum Exhaust Fan	2-D5
M18	143	Drum Motor	2-D6
M19	135	Duplex Cooling Fan	2-B1
M20	138	Duplex Entrance Cooling Fan 1	2-B1
M21	139	Duplex Entrance Cooling Fan 2	2-B1
M22	147	Duplex Entrance Motor	2-C1
M23	58	Duplex Transport Motor	2-D1
M24	60	Duplex Inverter Motor	2-D1
M25	41	Exit Junction Gate Motor	2-A1
M26	146	Exit Motor	2-D4
M27	145	Fusing Motor	2-D4
M28	141	Hopper Agitator Motor	2-D3
M29	1	Lamp Regulator Fan (Left)	1-B8
M30	19	Lamp Regulator Fan (Right)	1-B8
M31	108	Lower Bottle Cap Motor	2-F8
M32	112	Lower Toner Bottle Motor	2-F8
M33	162	Moisture Removal Fan	2-B1
M34	182	PSU Box Fan 1	2-B4
M35	181	PSU Box Fan 2	2-B4
M36	184	PSU Box Fan 3	2-A5
M37	161	Paper Cooling Pipe Fan 1	2-B1
M38	163	Paper Cooling Pipe Fan 2	2-B1

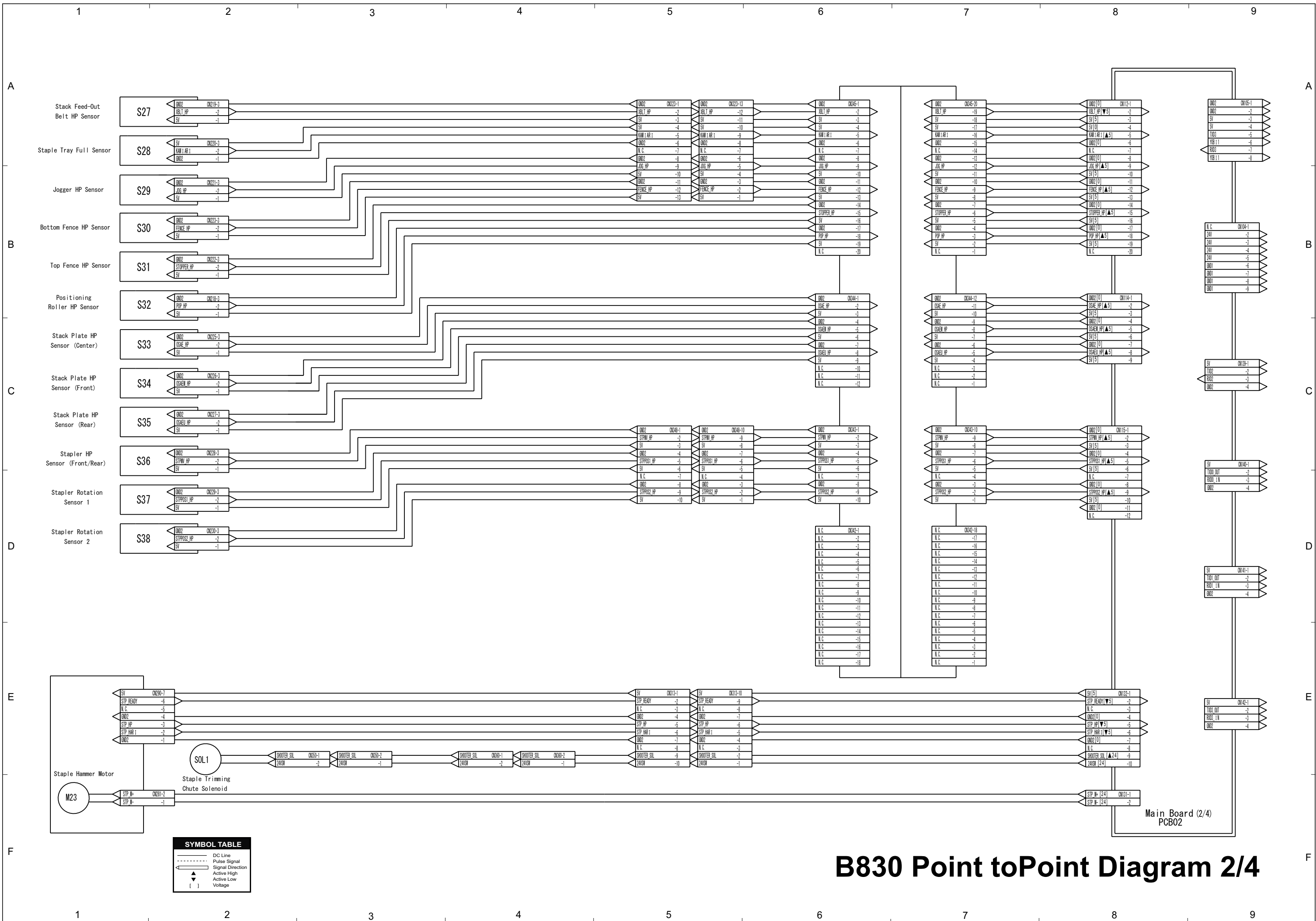
Symbol	Index No.	Name	P to P
M39	22	Polygon Mirror Motor	1-E5
M40	24	Polygon Mirror Motor Cooling Fan	2-D5
M41	83	Rear Fence Drive Motor	2-F7
M42	92	Registration Motor	2-F3
M43	144	Cleaning Collection Pipe Cooling Fan	2-C1
M44	14	SBU Cooling Fan	1-B7
M45	15	Scanner Intake Fan	1-B7
M46	4	Scanner Motor	1-D8
M47	3	Scanner Motor Cooling Fan	1-A7
M48	6	Scanner Unit Exhaust Fan	1-A7
M49	59	Switchback Motor	2-E1
M50	114	Toner Bank Motor	2-F9
M51	124	Toner Collection Bottle Agitator Motor	2-F9
M52	117	Toner Cylinder Agitator Motor	2-D3
M53	120	Toner Suction Motor	2-B3
M54	140	Toner Supply Motor	2-C3
M55	116	Toner Supply Pump Motor	2-F3
M56	169	Toner Transport Pipe Cooling Fan	2-D3
M57	109	Upper Bottle Cap Motor	2-F8
M58	95	Upper Relay Motor	2-F3
M59	111	Upper Toner Bottle Motor	2-F8
M60	153	Vertical Relay Motor	2-E5
M61	179	Controller Box Cooling Fan	3-E6
PCBs			
PCB1	168	AC Drive Board	2-A4
PCB2	166	BCU	2-D8
PCB3	173	Interface Board	3-C7
PCB4	172	Controller Board	3-C4
PCB5	167	IOB	2-E2
PCB6	174	IPU	1-C3
PCB7	165	Interlock Relay Board	2-C4
PCB8	25	LDB	1-E2
PCB9	26	Lamp Regulator (Left)	1-A7
PCB10	20	Lamp Regulator (Right)	1-A7
PCB11	23	Laser Synchronization Detector Board	1-F4
PCB12	7	MCU	1-C8
PCB13	176	Mother Board	3-D5
PCB14	183	PSU-Ea	2-B5
PCB15	180	PSU-Eb	2-C5
PCB16	178	PSU-c	2-A7
PCB17	21	Polygon Mirror Motor Control Board	1-E5
PCB18	13	SBU	1-A5
PCB19	17	SIB	1-B6
PCB20	16	OPU	1-D6
PCB21	96	Image Position Sensor Board (Tray)	2-F1
PCB22	91	Image Position Sensor Board (Duplex)	2-E1
PCB23	175	SD Slot Board (Service)	3-D7
PCB24	10	Operation Panel	1-E8
PCB25	18	Connector Board	1-A3
PCB26		Not in the machine.	
Power Packs			
PP1	158	CGB Power Pack	2-D5
PP2	156	PPG Power Pack	2-D5
PP3	36	Transfer Power Pack	2-D4

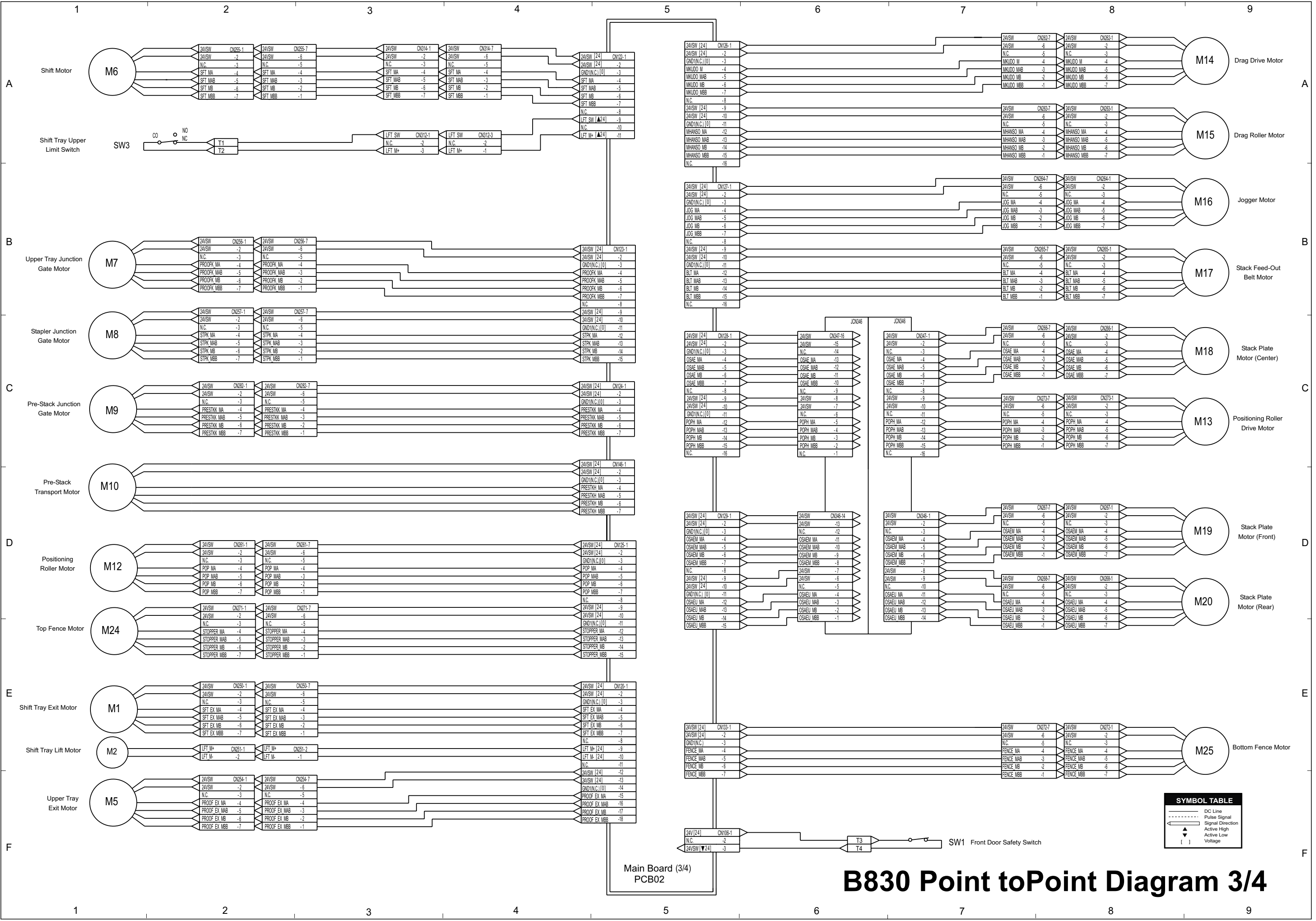
Symbol	Index No.	Name	P to P
Sensors			
S1	102	1st Paper End Sensor	2-E3
S2	103	1st Paper Feed Sensor	2-E3
S3	100	1st Tray Lift Sensor	2-E3
S4	77	1st Tray Paper Height 1 Sensor	2-F7
S5	78	1st Tray Paper Height 2 Sensor	2-F7
S6	79	1st Tray Paper Height 3 Sensor	2-F7
S7	80	1st Tray Paper Height 4 Sensor	2-F7
S8	102	2nd Paper End Sensor	2-E4
S9	103	2nd Paper Feed Sensor	2-E4
S10	100	2nd Tray Lift Sensor	2-E4
S11	102	3rd Paper End Sensor	2-E4
S12	103	3rd Paper Feed Sensor	2-E4
S13	100	3rd Tray Lift Sensor	2-E4
S14	48	Cleaning Fabric End Sensor	2-D5
S15	87	Double-Feed Detection LED	2-E1
S16	88	Double-Feed Detection Sensor	2-E1
S17	27	Drum Potential Sensor	2-C1
S18	52	Duplex Entrance Sensor	2-D1
S19	51	Duplex Inverter Relay Sensor	2-D1
S20	53	Duplex Inverter Sensor	2-D1
S21	54	Duplex Transport Sensor 1	2-D1
S22	56	Duplex Transport Sensor 2	2-D1
S23	57	Duplex Transport Sensor 3	2-C1
S24	40	Exit Junction Gate HP Sensor	2-A1
S25	38	Exit Sensor	2-A1
S26	62	Front Side Fence Closed Sensor	2-F6
S27	63	Front Side Fence Open Sensor	2-F6
S28	43	Fusing Exit Sensor	2-D5
S29	28	ID Sensor	2-C1
S30	86	Image Position Sensor (Duplex)	2-E1
S31	85	Image Position Sensor (Tray)	2-F1
S32	39	Job Time Sensor	2-A1
S33	90	LCT Relay Sensor	2-F1
S34	61	Left 1st Tray Paper Sensor	2-E8
S35	113	Lower Bottle Inner Cap Sensor	2-E8
S36	81	Lower Limit Sensor	2-F7
S37	105	Lower Toner Bottle Sensor	2-E8
S38	11	Original Length Sensor 1	1-C8
S39	12	Original Length Sensor 2	1-C8
S40	9	Original Width Sensors	1-C8
S41	64	Rear Fence HP Sensor	2-E8
S42	65	Rear Fence Return Sensor	2-E8
S43	67	Rear Side Fence Closed Sensor	2-F6
S44	68	Rear Side Fence Open Sensor	2-F6
S45	89	Registration Sensor	2-F1
S46	76	Right Tray Paper Set Sensor	2-F7
S47	2	Scanner HP Sensor	1-B8
S48	34	TD Sensor	2-B3
S49	122	Temperature/Humidity Sensor	2-D7
S50	123	Toner Bottle End Sensor	2-F9
S51	125	Toner Collection Bottle Agitator Sensor	2-F9
S52	106	Toner Collection Bottle Overflow Sensor	2-E9
S53	160	Toner Collection Coil Sensor	2-D4

Symbol	Index No.	Name	P to P
S54	118	Toner Cylinder TE Sensor	2-C3
S55	33	Toner Hopper Sensor	2-B3
S56	115	Toner Pump Motor Sensor	2-C3
S57	97	Upper Relay Sensor	2-F1
S58	110	Upper Toner Bottle Inner Cap Sensor	2-E8
S59	107	Upper Toner Bottle Sensor	2-E8
S60	101	Vertical Transport Sensor 1	2-E3
S61	101	Vertical Transport Sensor 2	2-E4
S62	101	Vertical Transport Sensor 3	2-E4
S63	119	Toner Suction Bottle Rotation Sensor	2-B3
S64	93	Guide Plate Position Sensor	2-E1
Solenoids			
SOL1	99	1st Pick-up Solenoid	2-E3
SOL2	98	1st Separation Roller Solenoid	2-E3
SOL3	32	2nd Cleaning Blade Solenoid	2-D6
SOL4	99	2nd Pick-up Solenoid	2-E4
SOL5	98	2nd Separation Roller Solenoid	2-E4
SOL6	99	3rd Pick-up Solenoid	2-E4
SOL7	98	3rd Separation Roller Solenoid	2-E4
SOL8	49	Duplex/Inverter Junction Gate Solenoid	2-D1
SOL9	82	Front Side Fence Solenoid	2-F7
SOL10	94	Guide Plate Solenoid	2-D3
SOL11	84	LCT Guide Plate Solenoid	2-E1
SOL12	69	Left Tandem Tray Lock Solenoid	2-D7
SOL13	66	Rear Side Fence Solenoid	2-F7
SOL14	50	Switchback Idle Roller Solenoid	2-D1
SOL15	55	Switchback Junction Gate Solenoid	2-D1
SOL16	72	Tandem Tray Connect Solenoid	2-D7
SOL17	164	Toner Recycling Shutter Solenoid	2-B1
SOL18	37	Transfer Belt Lift Solenoid	2-C4
Switches			
SW1	170	Circuit Breaker	2-A3
SW2	30	Cleaning Unit Set SW	2-B1
SW3		Not in the machine.	2-A3
SW4	129	Left Front Door Safety Switch	1-F4
SW5	129	Left Front Door Safety Switch 2	2-B1
SW6	127	Main Power Switch	2-A4
SW7	130	Right Front Door Safety Switch	1-F4
SW8	130	Right Front Door Safety Switch 2	2-B2
SW9	121	Toner Suction Bottle Set Switch	2-D8
SW10	70	2nd Tray Paper Size Switches	2-D7
SW11	75	3rd Tray Paper Size Switches	2-D7
SW12	126	Toner Collection Bottle Set Switch	2-F9
SW13	35	2nd Cleaning Blade Release Switch	2-D6
TC			
TC1	128	Total Counter	2-D6
TH			
TH1	45	Thermistor	2-A3
TS			
TS1	42	Thermostat 1	2-A3
TS2	44	Thermostat 2	2-A3
Other			
HDD	177	HDD 1	3-E5
HDD	177	HDD 2	3-E6
NF1	171	Noise Filter	2-A3

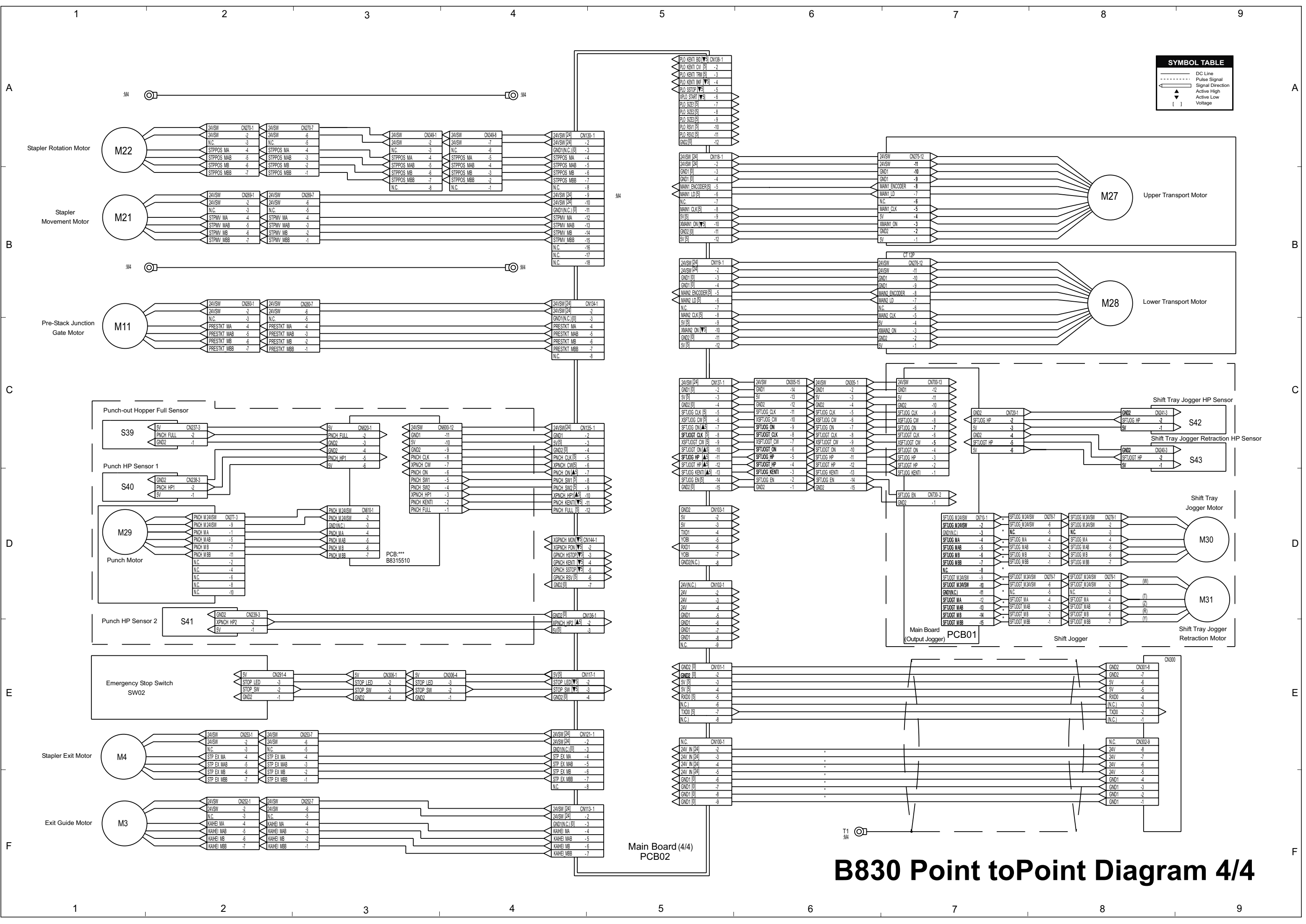


B830 Point toPoint Diagram 1/4





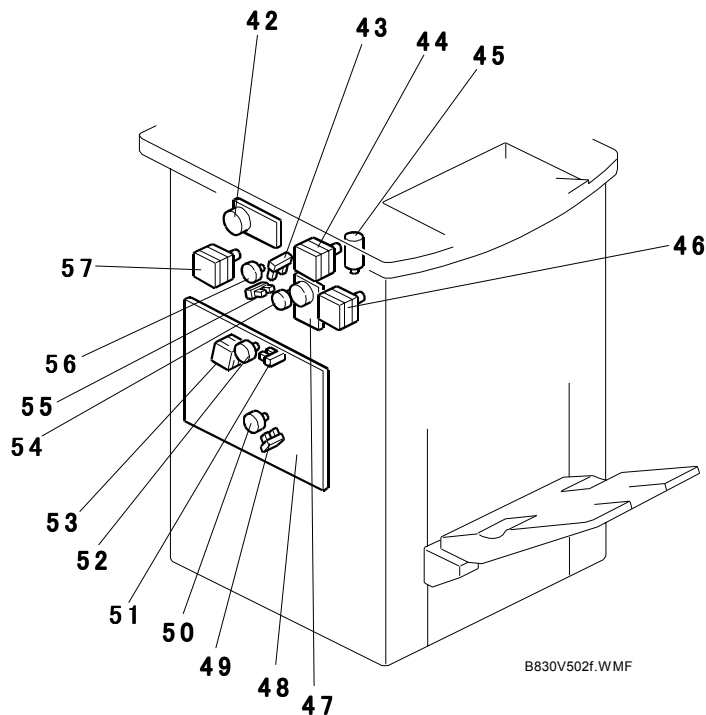
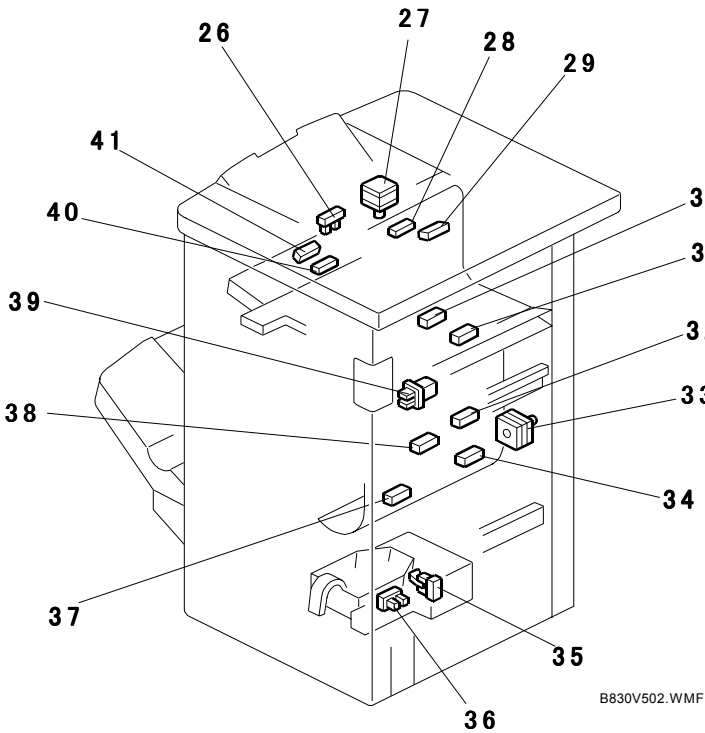
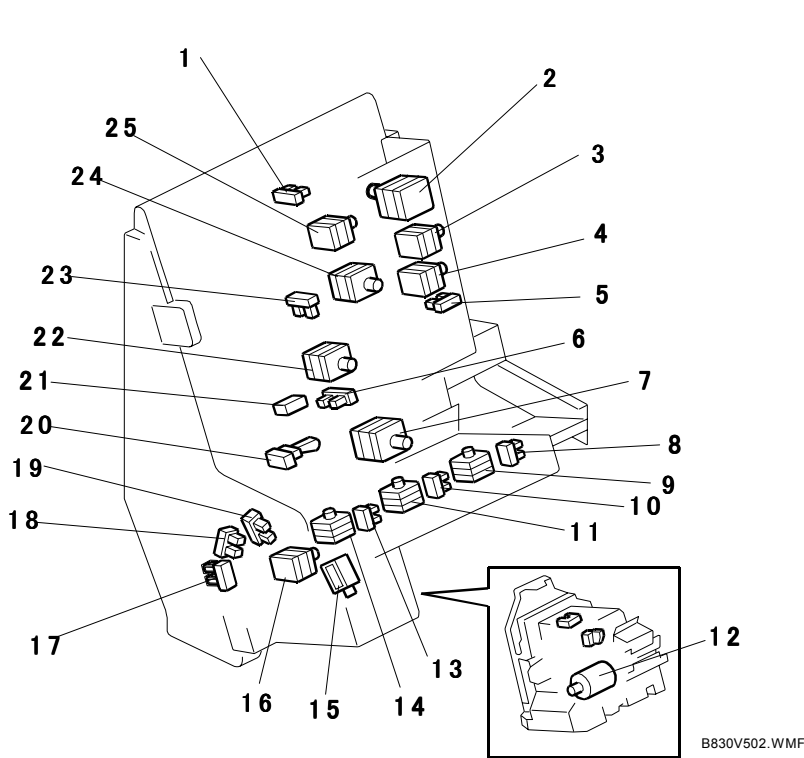
B830 Point toPoint Diagram 3/4



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

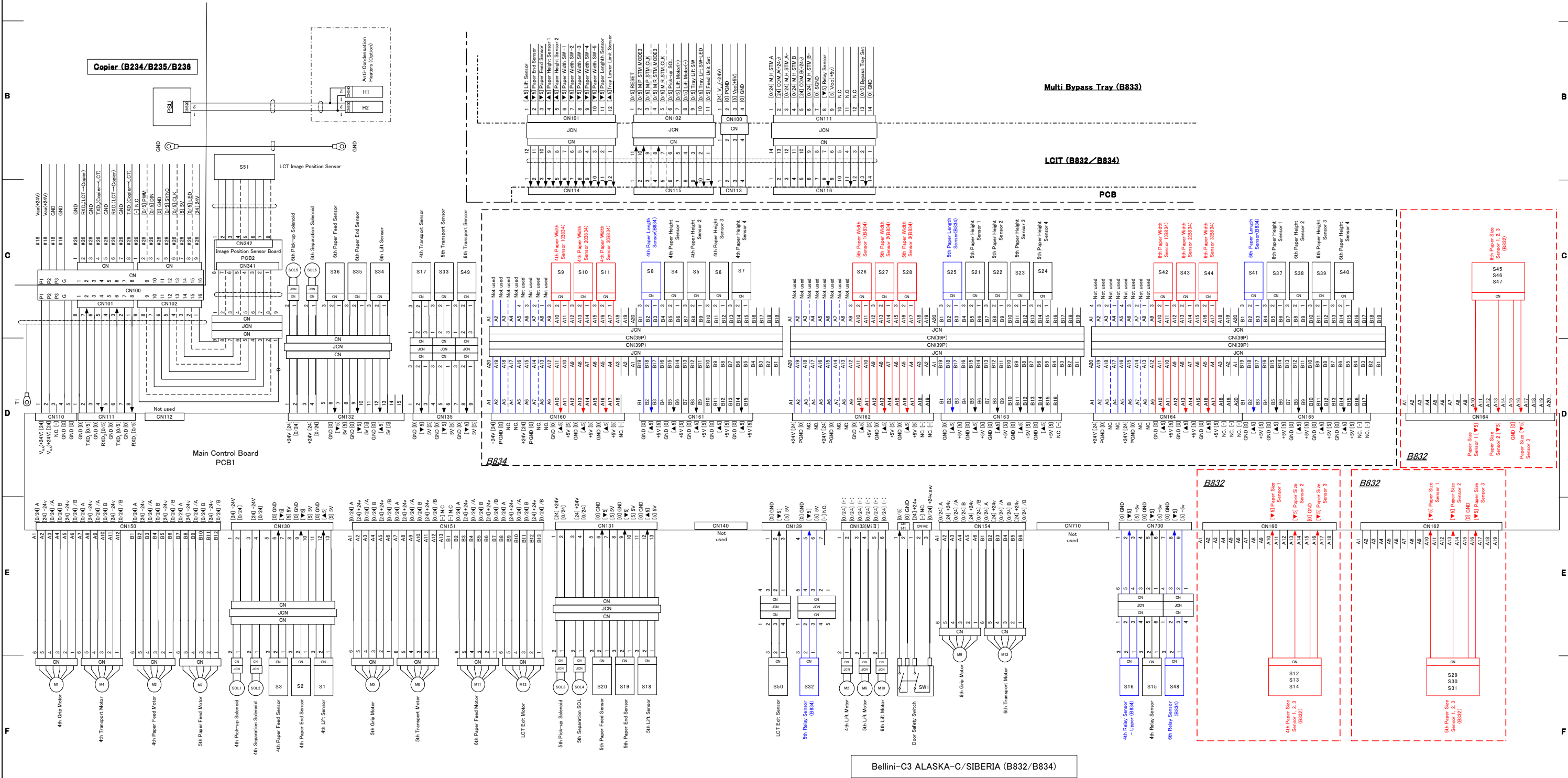
B830 Point toPoint Diagram 4/4

B830 ELECTRICAL COMPONENT LAYOUT

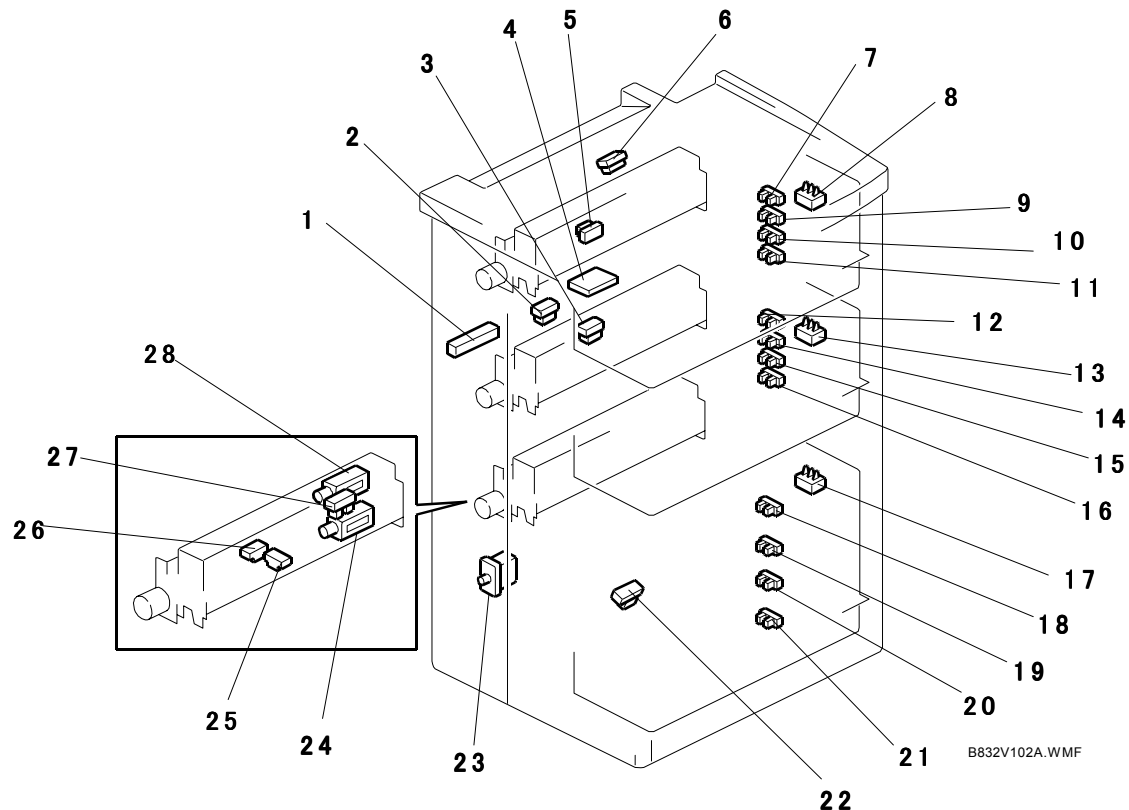


Symbol	Index No.	Description	P to P
Motors			
M1	46	Shift Tray Exit Motor	3-E1
M2	45	Shift Tray Lift Motor	3-E1
M3	27	Exit Guide Motor	4-F1
M4	33	Stapler Exit Motor	4-E1
M5	44	Upper Tray Exit Motor	3-F1
M6	67	Shift Motor	3-A1
M7	54	Upper Tray Junction Gate Motor	3-B1
M8	56	Stapler Junction Gate Motor	3-C1
M9	52	Pre-Stack Junction Gate Motor	3-C1
M10	53	Pre-Stack Transport Motor	3-D1
M11	50	Pre-Stack Stopper Motor	4-C1
M12	4	Positioning Roller Motor	3-D1
M13	3	Positioning Roller Drive Motor	3-C9
M14	71	Drag Drive Motor	3-A9
M15	72	Drag Roller Motor	3-A9
M16	24	Jogger Motor	3-B9
M17	25	Stack Feed-Out Belt Motor	3-B9
M18	11	Stack Plate Motor (Center)	3-C9
M19	14	Stack Plate Motor (Front)	3-D9
M20	9	Stack Plate Motor (Rear)	3-D9
M21	7	Stapler Movement Motor	4-B1
M22	16	Stapler Rotation Motor	4-A1
M23	12	Staple Hammer Motor	2-F1
M24	2	Top Fence Motor	3-E1
M25	22	Bottom Fence Motor	3-E9
M26	42	Upper Transport Motor	4-B8
M28	47	Lower Transport Motor	4-B8
M29	57	Punch Motor	4-D1
M30	58	Shift Tray Jogger Motor	4-D9
M31	74	Shift Tray Jogger Retraction Motor	4-D9
PCB			
PCB1	77	Main Board (Output Jogger)	4-E7
PCB2	48	Main Board	1-E5
Sensors			
S1	31	Entrance Sensor	1-B1
S2	29	Upper Tray Exit Sensor	1-B1
S3	28	Upper Tray Full Sensor	1-B1
S4	41	Shift Tray Exit Sensor 1	1-C1
S5	40	Shift Tray Exit Sensor 2	1-C1
S6	26	Exit Guide HP Sensor	1-C1
S7	60	Paper Height Sensor – Standby Mode	1-C1
S8	61	Paper Height Sensor – Staple Mode	1-D1
S9	62	Paper Height Sensor – Z-Fold Full	1-D1
S10	76	Paper Height Sensor – Shift/Z-Fold	1-D1
S11	64	Drag Drive HP Sensor	1-D1
S12	65	Shift Tray Half-Turn Sensor 1	1-E1
S13	66	Shift Tray Half-Turn Sensor 2	1-E1
S14	55	Upper Tray Junction Gate HP Sensor	1-B9
S15	43	Stapler Junction Gate HP Sensor	1-B9
S16	51	Pre-Stack Junction Gate HP Sensor	1-C9
S17	38	Pre-Stack Tray Paper Sensor (Right)	1-C9
S18	68	Shift Tray Full Sensor	1-C9
S19	70	Shift Tray Full Sensor (Large Paper)	1-C9
S20	69	Shift Tray Near-Full Sensor	1-D9
S21	37	Stapler Tray Exit Sensor	1-D9
S22	36	Staple Trimmings Hopper Full Sensor	1-D9
S23	35	Staple Trimmings Hopper Set Sensor	1-E9
S24	49	Pre-Stack Stopper HP Sensor	1-E9
S25	34	Pre-Stack Tray Paper Sensor (Left)	1-E9
S26	30	Stapler Tray Entrance Sensor	1-E9
S27	20	Stack Feed-Out Belt HP Sensor	2-A1
S28	21	Staple Tray Full Sensor	2-A1
S29	23	Jogger HP Sensor	2-B1
S30	6	Bottom Fence HP Sensor	2-B1
S31	1	Top Fence HP Sensor	2-B1
S32	5	Positioning Roller HP Sensor	2-B1
S33	10	Stack Plate HP Sensor (Center)	2-C1
S34	13	Stack Plate HP Sensor (Front)	2-C1
S35	8	Stack Plate HP Sensor (Rear)	2-C1
S36	17	Stapler HP Sensor (Front/Rear)	2-C1
S37	19	Stapler Rotation Sensor 1	2-D1
S38	18	Stapler Rotation Sensor 2	2-D1

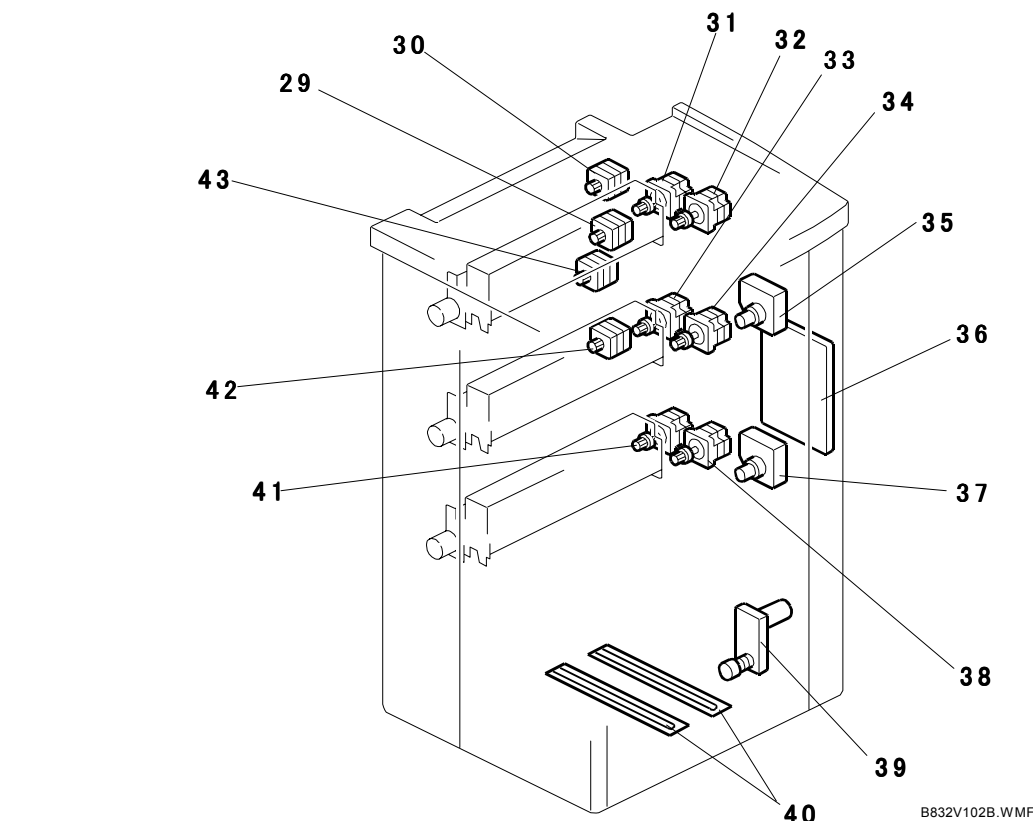
B832/B834 Point to Point Diagram



B832 ELECTRICAL COMPONENT LAYOUT

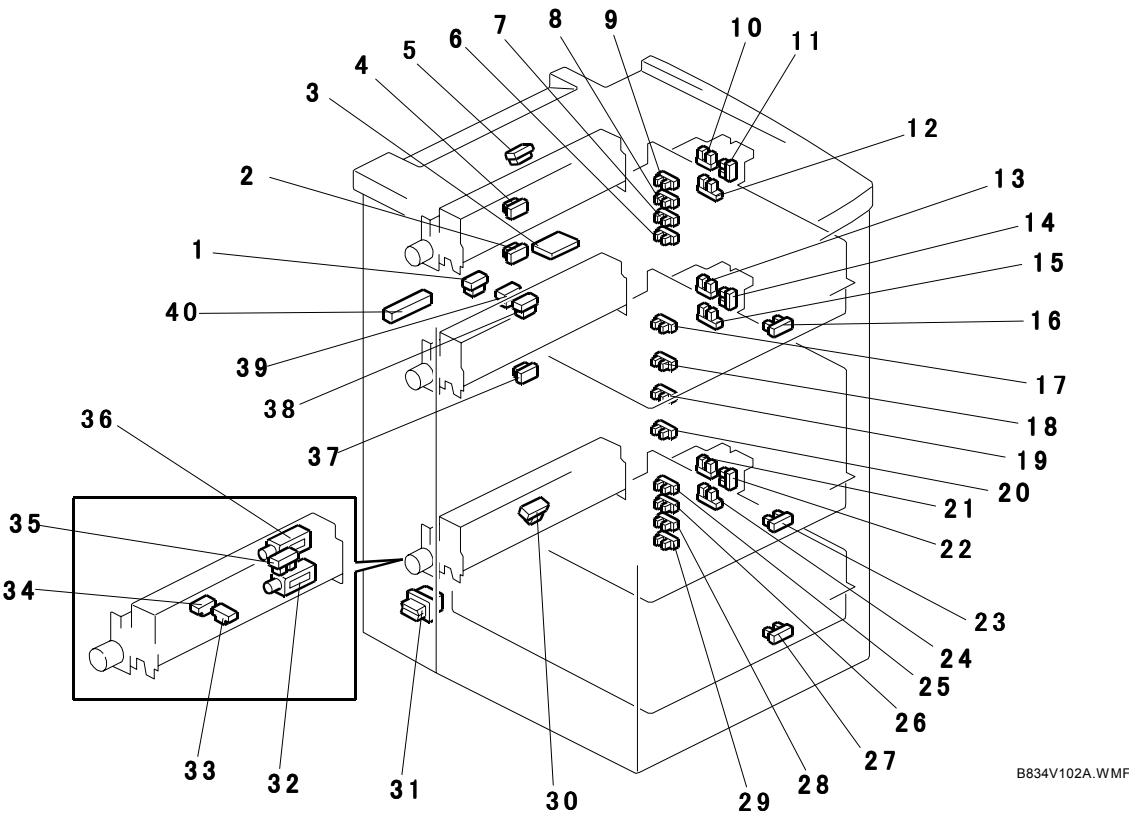


Symbol	Index No.	Description	P to P
Motors			
M1	31	4th Grip Motor	F1
M2	35	4th Lift Motor	F6
M3	32	4th Paper Feed Motor	F2
M4	30	4th Transport Motor	F1
M5	33	5th Grip Motor	F3
M6	37	5th Lift Motor	F6
M7	34	5th Paper Feed Motor	F2
M8	29	5th Transport Motor	F3
M9	41	6th Grip Motor	E7
M10	39	6th Lift Motor	F6
M11	38	6th Paper Feed Motor	F3
M12	42	6th Transport Motor	E7
M13	43	LCT Exit Motor	F4
PCBs			
PCB1	36	Main Control Board	D2
PCB2	4	Image Position Sensor Board	C2
Sensors			
S1	27	4th Lift Sensor	F3
S2	25	4th Paper End Sensor	F2
S3	26	4th Paper Feed Sensor	F2
S4	11	4th Paper Height Sensor 1	C5
S5	10	4th Paper Height Sensor 2	C5
S6	9	4th Paper Height Sensor 3	C5
S7	7	4th Paper Height Sensor 4	C5
S8	—	4th Paper Length Sensor (B834)	—
S9	—	4th Paper Width Sensor 1 (B834)	—
S10	—	4th Paper Width Sensor 2 (B834)	—
S11	—	4th Paper Width Sensor 3 (B834)	—
S12	8	4th Paper Size Sensor 1 (B832)	F9
S13	8	4th Paper Size Sensor 2 (B832)	F9
S14	8	4th Paper Size Sensor 3 (B832)	F9
S15	5	4th Relay Sensor	F8
S16	—	4th Relay Sensor - Upper (B834)	—
S17	6	4th Transport Sensor	C3
S18	27	5th Lift Sensor	F5
S19	25	5th Paper End Sensor	F4
S20	26	5th Paper Feed Sensor	F4
S21	16	5th Paper Height Sensor 1	C7
S22	15	5th Paper Height Sensor 2	C7
S23	14	5th Paper Height Sensor 3	C7
S24	12	5th Paper Height Sensor 4	C7
S25	—	5th Paper Length Sensor (B834)	—
S26	—	5th Paper Width Sensor 1 (B834)	—
S27	—	5th Paper Width Sensor 2 (B834)	—
S28	—	5th Paper Width Sensor 3 (B834)	—
S29	13	5th Paper Size Sensor 1 (B832)	F10
S30	13	5th Paper Size Sensor 2 (B832)	F10



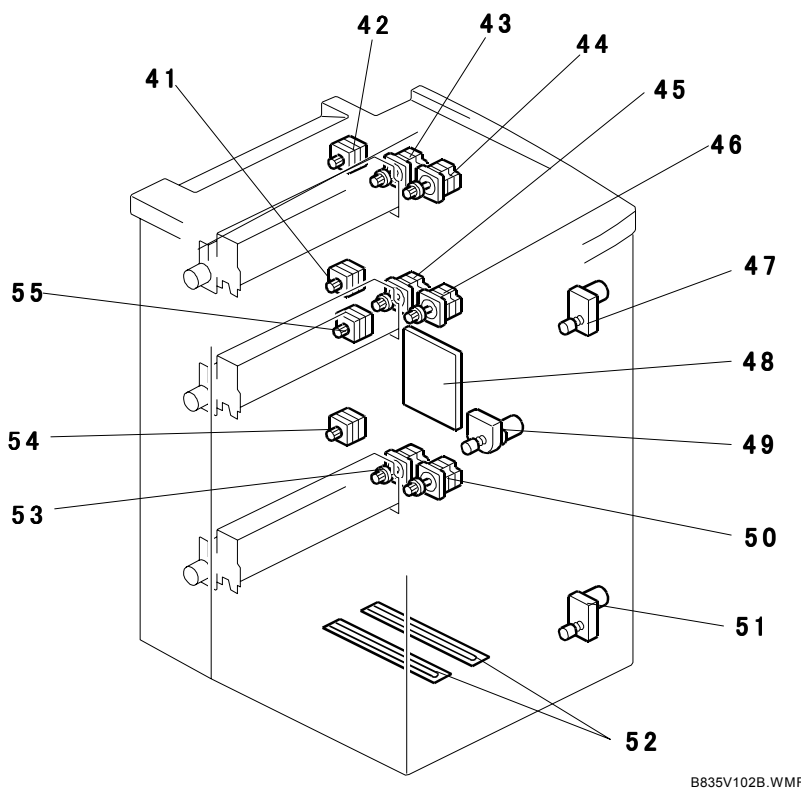
Symbol	Index No.	Description	P to P
S31	13	5th Paper Size Sensor 3 (B832)	F10
S32	—	5th Relay Sensor (B834)	—
S33	3	5th Transport Sensor	C3
S34	27	6th Lift Sensor	C3
S35	25	6th Paper End Sensor	C3
S36	26	6th Paper Feed Sensor	C3
S37	21	6th Paper Height Sensor 1	C9
S38	20	6th Paper Height Sensor 2	C9
S39	19	6th Paper Height Sensor 3	C9
S40	18	6th Paper Height Sensor 4	C9
S41	—	6th Paper Length Sensor (B834)	—
S42	—	6th Paper Width Sensor 1 (B834)	—
S43	—	6th Paper Width Sensor 2 (B834)	—
S44	—	6th Paper Width Sensor 3 (B834)	—
S45	17	6th Paper Size Sensor 1 (B832)	C10
S46	17	6th Paper Size Sensor 2 (B832)	C10
S47	17	6th Paper Size Sensor 3 (B832)	C10
S48	—	6th Relay Sensor (B834)	—
S49	22	6th Transport Sensor	C3
S50	2	LCT Exit Sensor	F5
S51	1	LCT Image Position Sensor	B2
Solenoids			
SOL1	28	4th Pick-up Solenoid	F2
SOL2	24	4th Separation Solenoid	F2
SOL3	28	5th Pick-up Solenoid	F4
SOL4	24	5th Separation SOL	F4
SOL5	28	6th Pick-up Solenoid	C2
SOL6	24	6th Separation Solenoid	C2
Switches			
SW1	23	Door Safety Switch	F6
Other			
H1, H2	40	Anti-Condensation Heaters	B3

B834 ELECTRICAL COMPONENT LAYOUT



Symbol	Index No.	Description	P to P
Motors			
M1	43	4th Grip Motor	F1
M2	47	4th Lift Motor	F6
M3	44	4th Paper Feed Motor	F2
M4	42	4th Transport Motor	F1
M5	45	5th Grip Motor	F3
M6	49	5th Lift Motor	F6
M7	46	5th Paper Feed Motor	F2
M8	41	5th Transport Motor	F3
M9	53	6th Grip Motor	E7
M10	51	6th Lift Motor	F6
M11	50	6th Paper Feed Motor	F3
M12	54	6th Transport Motor	E7
M13	55	LCT Exit Motor	F4
PCBs			
PCB1	48	Main Control Board	D2
PCB2	3	Image Position Sensor Board	C2
Sensors			
S1	35	4th Lift Sensor	F3
S2	33	4th Paper End Sensor	F2
S3	34	4th Paper Feed Sensor	F2
S4	9	4th Paper Height Sensor 1	C5
S5	8	4th Paper Height Sensor 2	C5
S6	7	4th Paper Height Sensor 3	C5
S7	6	4th Paper Height Sensor 4	C5
S8	16	4th Paper Length Sensor (B834)	C4
S9	12	4th Paper Width Sensor 1 (B834)	C4
S10	11	4th Paper Width Sensor 2 (B834)	C4
S11	10	4th Paper Width Sensor 3 (B834)	C4
S12	—	4th Paper Size Sensor 1 (B832)	—
S13	—	4th Paper Size Sensor 2 (B832)	—
S14	—	4th Paper Size Sensor 3 (B832)	—
S15	2	4th Relay Sensor	F8
S16	4	4th Relay Sensor - Upper (B834)	F8
S17	5	4th Transport Sensor	C3
S18	35	5th Lift Sensor	F5
S19	33	5th Paper End Sensor	F4
S20	34	5th Paper Feed Sensor	F4
S21	20	5th Paper Height Sensor 1	C7
S22	19	5th Paper Height Sensor 2	C7
S23	18	5th Paper Height Sensor 3	C7
S24	17	5th Paper Height Sensor 4	C7
S25	23	5th Paper Length Sensor (B834)	C7
S26	15	5th Paper Width Sensor 1 (B834)	C6
S27	14	5th Paper Width Sensor 2 (B834)	C6
S28	13	5th Paper Width Sensor 3 (B834)	C6
S29	—	5th Paper Size Sensor 1 (B832)	—
S30	—	5th Paper Size Sensor 2 (B832)	—

Symbol	Index No.	Description	P to P
S31	—	5th Paper Size Sensor 3 (B832)	—
S32	39	5th Relay Sensor (B834)	F6
S33	38	5th Transport Sensor	C3
S34	35	6th Lift Sensor	C3
S35	33	6th Paper End Sensor	C3
S36	34	6th Paper Feed Sensor	C3
S37	29	6th Paper Height Sensor 1	C9
S38	28	6th Paper Height Sensor 2	C9
S39	26	6th Paper Height Sensor 3	C9
S40	25	6th Paper Height Sensor 4	C9
S41	27	6th Paper Length Sensor (B834)	C8
S42	24	6th Paper Width Sensor 1 (B834)	C8
S43	22	6th Paper Width Sensor 2 (B834)	C8
S44	21	6th Paper Width Sensor 3 (B834)	C8
S45	—	6th Paper Size Sensor 1 (B832)	—
S46	—	6th Paper Size Sensor 2 (B832)	—
S47	—	6th Paper Size Sensor 3 (B832)	—
S48	37	6th Relay Sensor (B834)	F8
S49	30	6th Transport Sensor	C3
S50	1	LCT Exit Sensor	F5
S51	40	LCT Image Position Sensor	B2
Solenoids			
SOL1	36	4th Pick-up Solenoid	F2
SOL2	32	4th Separation Solenoid	F2
SOL3	36	5th Pick-up Solenoid	F4
SOL4	32	5th Separation SOL	F4
SOL5	36	6th Pick-up Solenoid	C2
SOL6	32	6th Separation Solenoid	C2
Switches			
SW1	31	Door Safety Switch	F6
Other			
H1, H2	52	Anti-Condensation Heaters	B3



Multi Bypass Tray BY5000 (B833)Point to Point Diagram

SYMBOL TABLE

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

LCIT RT5000/RT5010
(B832/B834)

Transport Unit

Feed Unit

Lift Sensor [▲5]
Paper End Sensor [▼5]
Paper Feed Sensor [▼5]
Paper Height Sensor 1 [▲5]
Paper Height Sensor 2 [▲5]
Paper Width SW -1 [▼5]
Paper Width SW -2 [▼5]
Paper Width SW -3 [▼5]
Paper Width SW -4 [▼5]
Paper Width SW -5 [▼5]
Paper Length Sensor [▼5]
Tray Lower Limit Sensor [▲5]

RESET [0/5]
M_P_STM_MODE3 [0/5]
M_P_STM_CLK [0/5]
M_R_STM_MODE3 [0/5]
M_R_STM_CLK [0/5]
Pick-up SOL [0/5]
Lift Motor (+) [0/5]
Lift Motor (-) [0/5]
Tray Lift SW [0/5]
Tray Lift SW-LED [0/5]
Feed Unit Set [0/5]

Vaa(+24V) [24]
PGND [0]
Vcc(+5V) [5]
SGND [0]

M_H_STM_A [0/24]
COM_A(+24V) [24]
M_H_STM_A [0/24]
M_H_STM_B [0/24]
COM_B(+24V) [24]
M_H_STM_B [0/24]
SGND [0]
Relay Sensor [▼5]
Vcc(+5V) [5]
NC
NC
NC
Bypass Tray Set [0/5]
GND [0]

Relay Motor

A
COM(A)
A-
B
COM(B)
B-

S8

Relay Sensor

Bypass Unit Control Board
PCB1

M_P_STM_A [0/24]
COM_A(+24V) [24]
M_P_STM_A [0/24]
M_P_STM_B [0/24]
COM_B(+24V) [24]
M_P_STM_B [0/24]

M_R_STM_A [0/24]
COM_A(+24V) [24]
M_R_STM_A [0/24]
M_R_STM_B [0/24]
COM_B(+24V) [24]
M_R_STM_B [0/24]
NC

SGND [0]
[▲5]
Vcc(+5V) [5]
SGND [0]
[▲5]
Vcc(+5V) [5]
SW_LED(K) [0/5]
SW_LED(A) [5]
SW- [0/5]
SW+ [0/5]
Vaa(+24V) [24]
[▼24]

SGND [0]
[▲5]
Vcc(+5V) [5]
SGND [0]
[▲5]
Vcc(+5V) [5]

(-) [0/24]
(+) [0/24]

SGND [0]
[▼5]
Vcc(+5V) [5]
SGND [0]
[▼5]
Vcc(+5V) [5]
[▼5]
[▼5]
[▼5]
[▼5]
SGND [0]
NC

Feed Motor

Transport Motor

Lift Sensor

Paper Feed Sensor

Tray Lower
Limit Sensor

Tray Lift Switch

Pick-up SOL

Paper Height Sensor1

Paper Height Sensor2

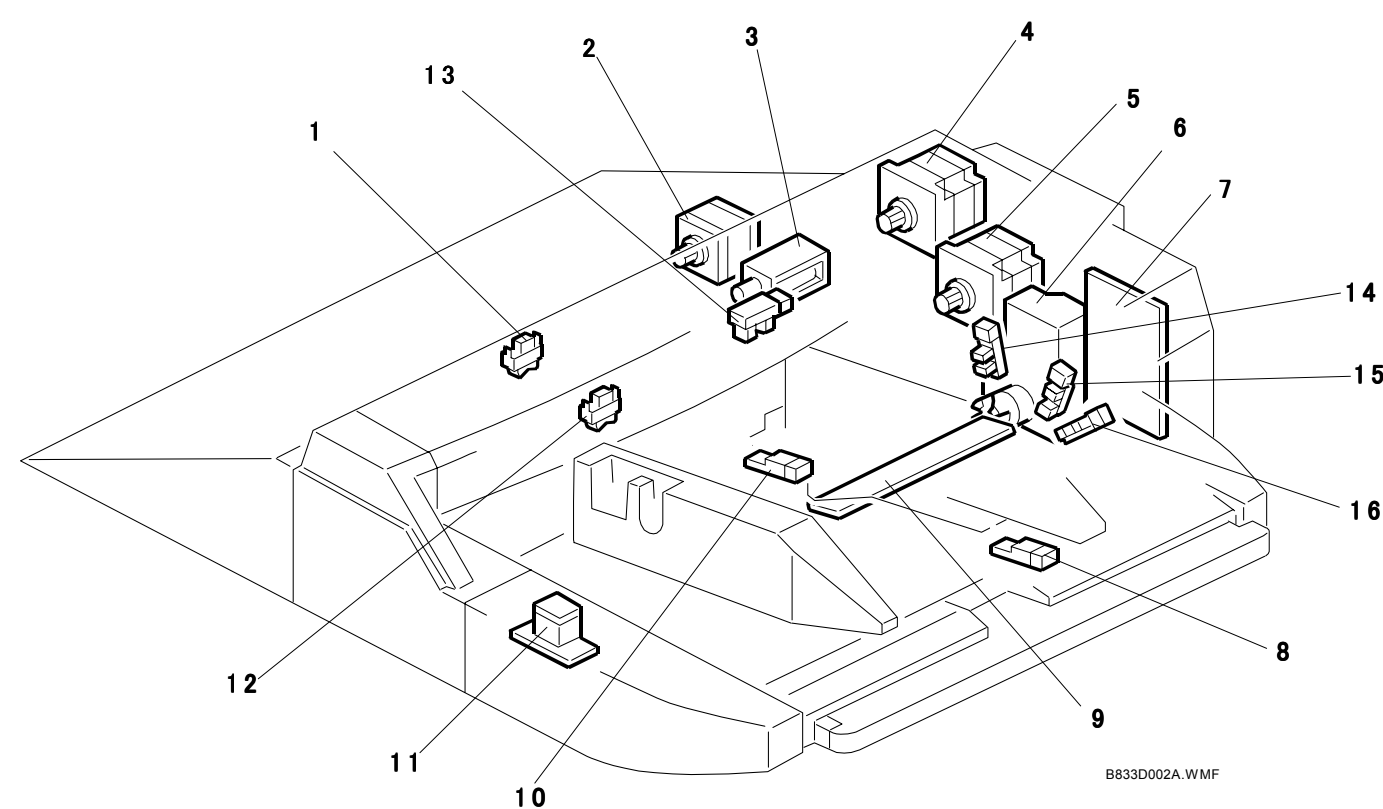
Lift Motor

Paper End
Sensor

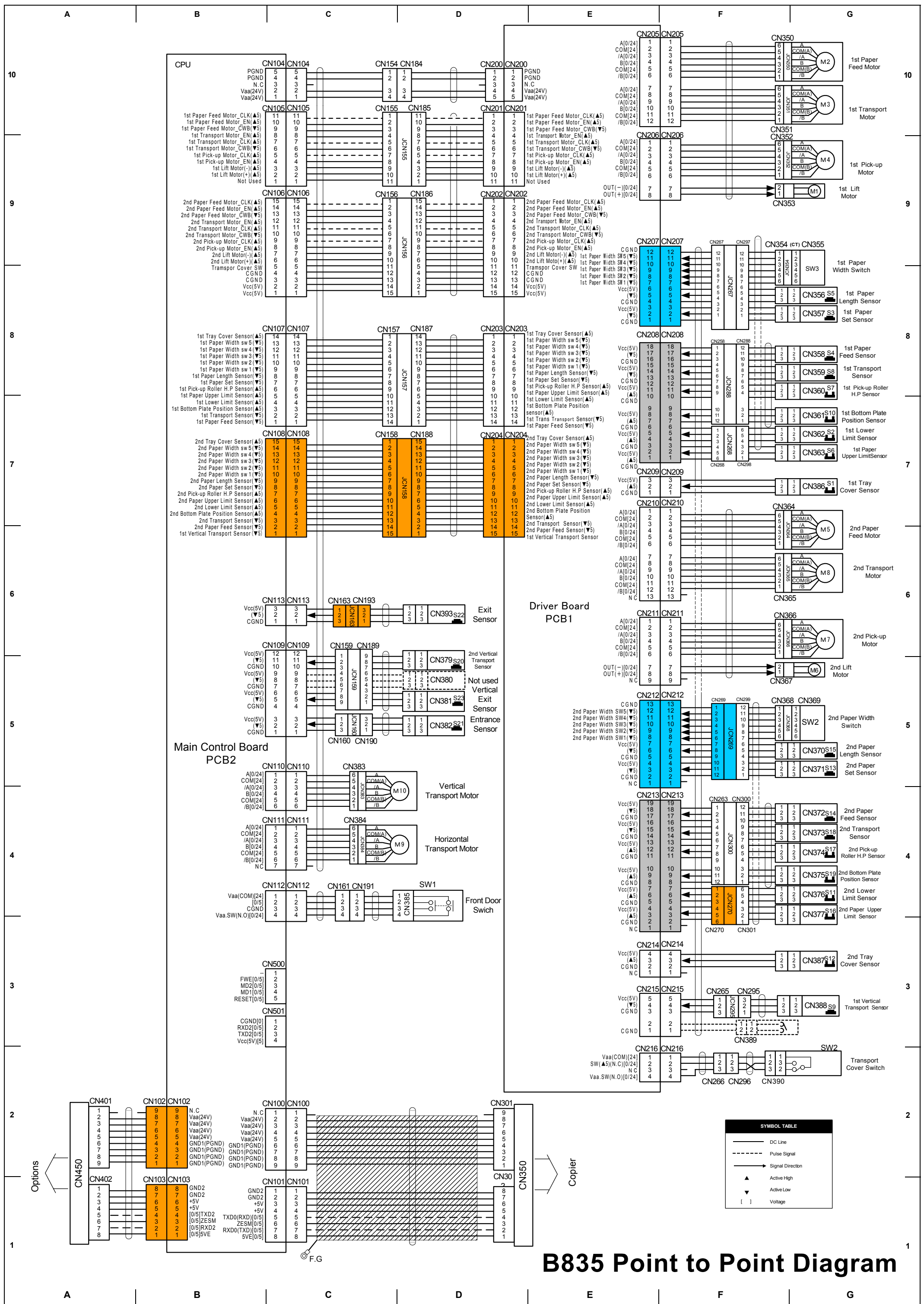
Paper Length
Sensor

Paper Width
Switch

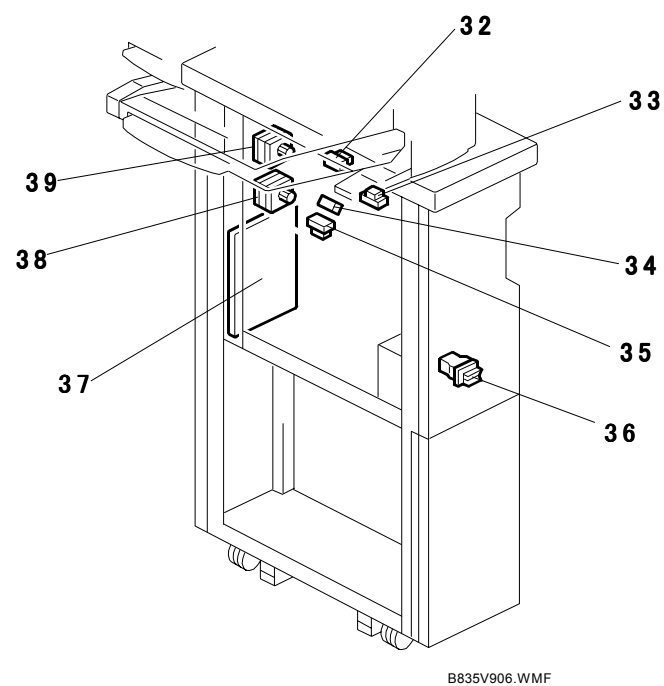
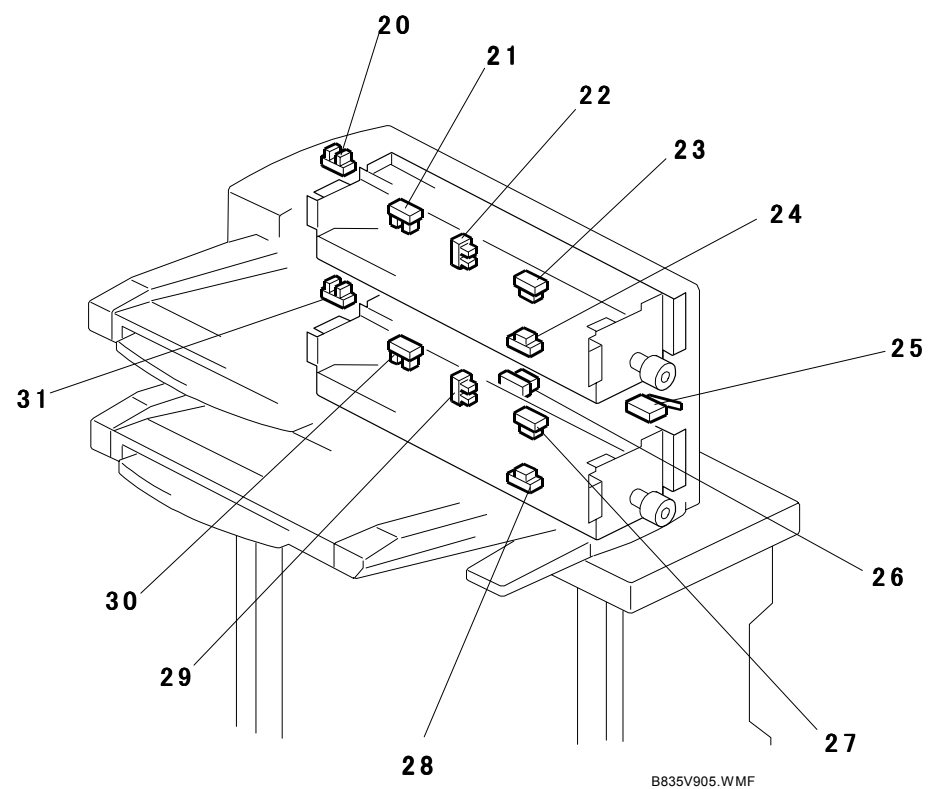
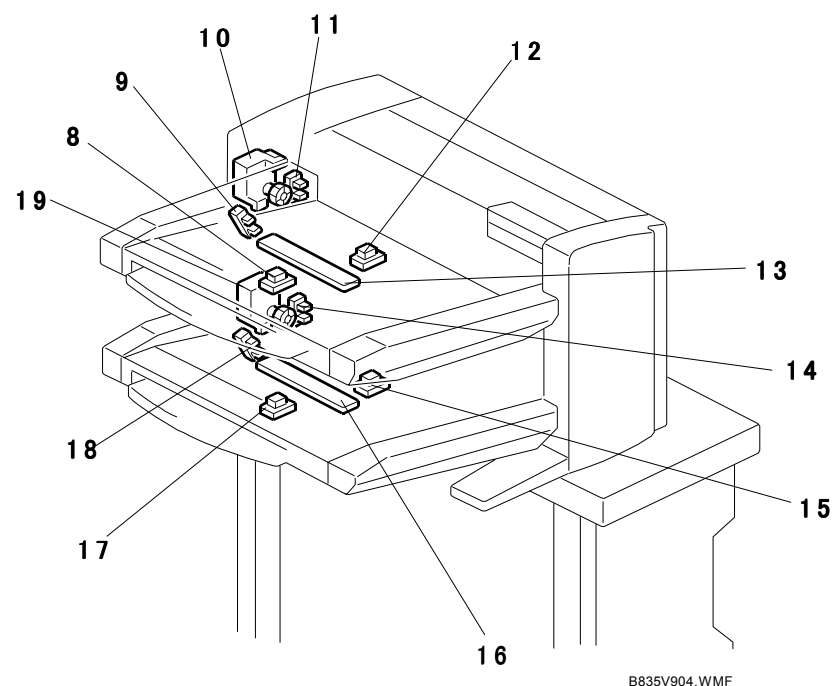
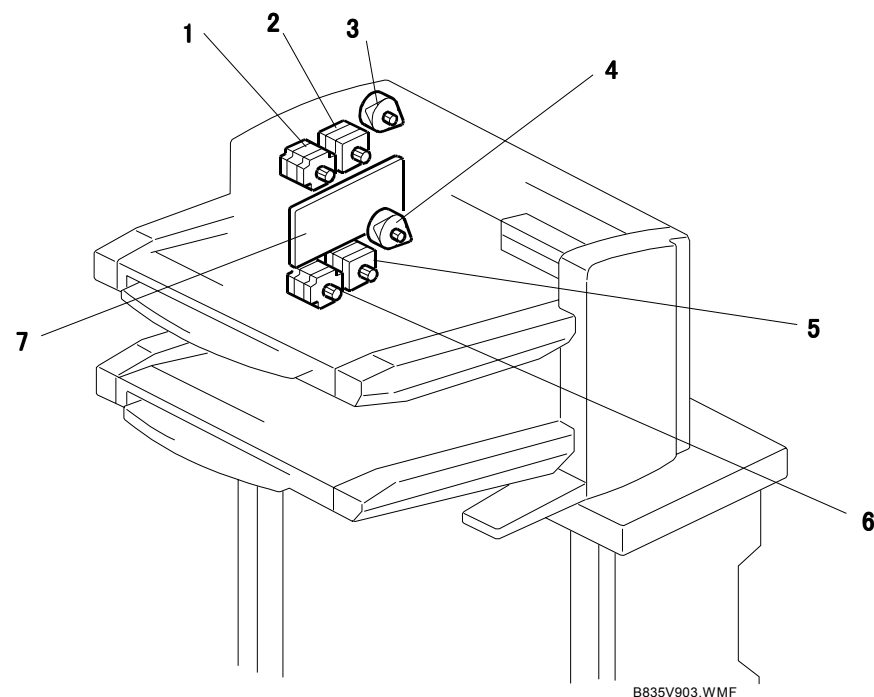
B833 ELECTRICAL COMPONENT LAYOUT



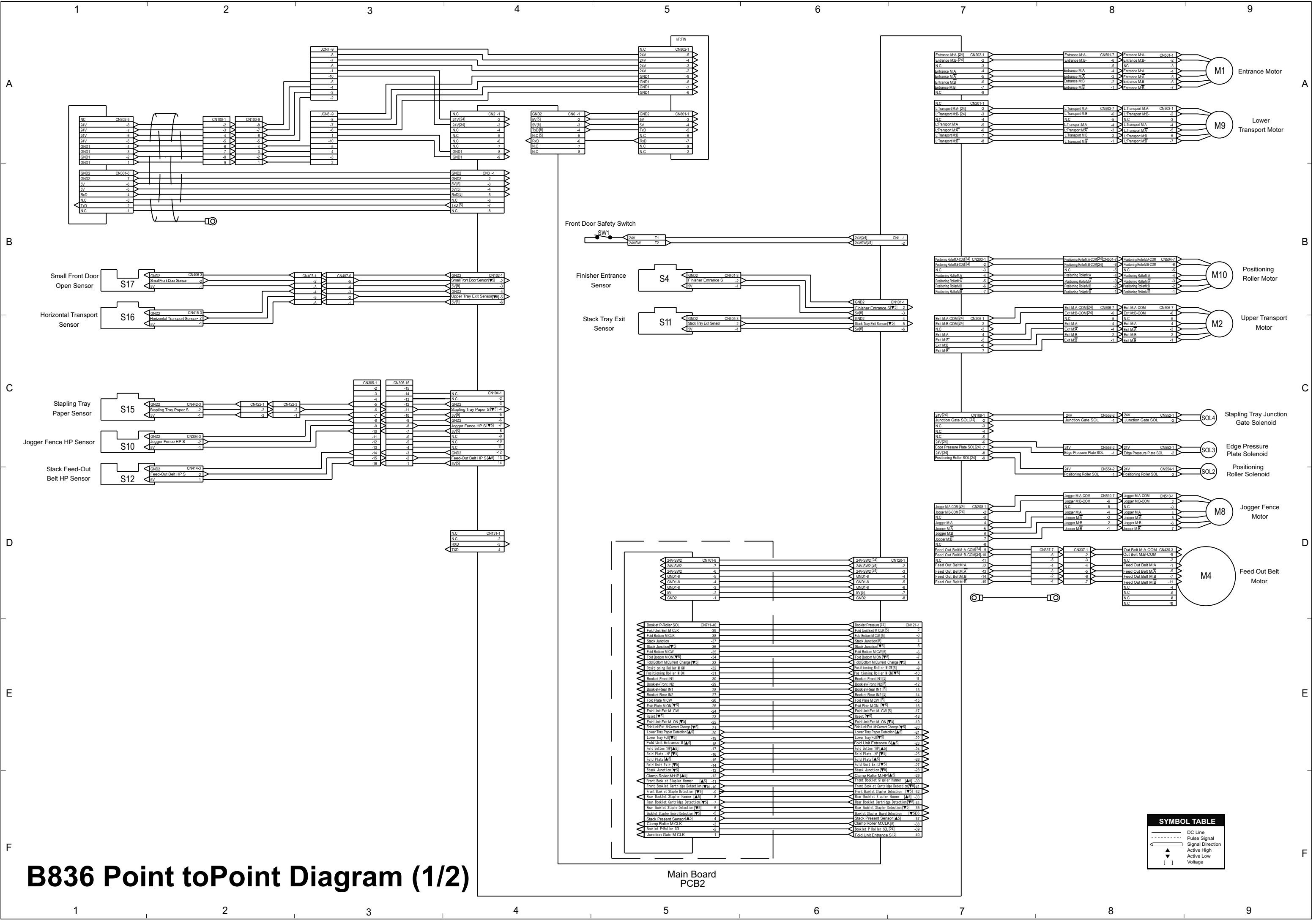
Symbol	Index No.	Description	P to P
Motors			
M1	5	Feed Motor	B9
M2	6	Lift Motor	F9
M3	2	Relay Motor	F3
M4	4	Transport Motor	C9
PCBs			
PCB1	7	Bypass Unit Control Board	F6
Sensors			
S1	13	Lift Sensor	D9
S2	14	Tray Lower Limit Sensor	D9
S3	10	Paper End Sensor	F10
S4	12	Paper Feed Sensor	D9
S5	16	Paper Height Sensor 1	E9
S6	15	Paper Height Sensor 2	E9
S7	8	Paper Length Sensor	E10
S8	1	Relay Sensor	F3
Solenoids			
SOL1	3	Pick-up Solenoid	E9
Switches			
SW1	11	Tray Lift Switch	D9
SW2	9	Paper Width Switches	G10



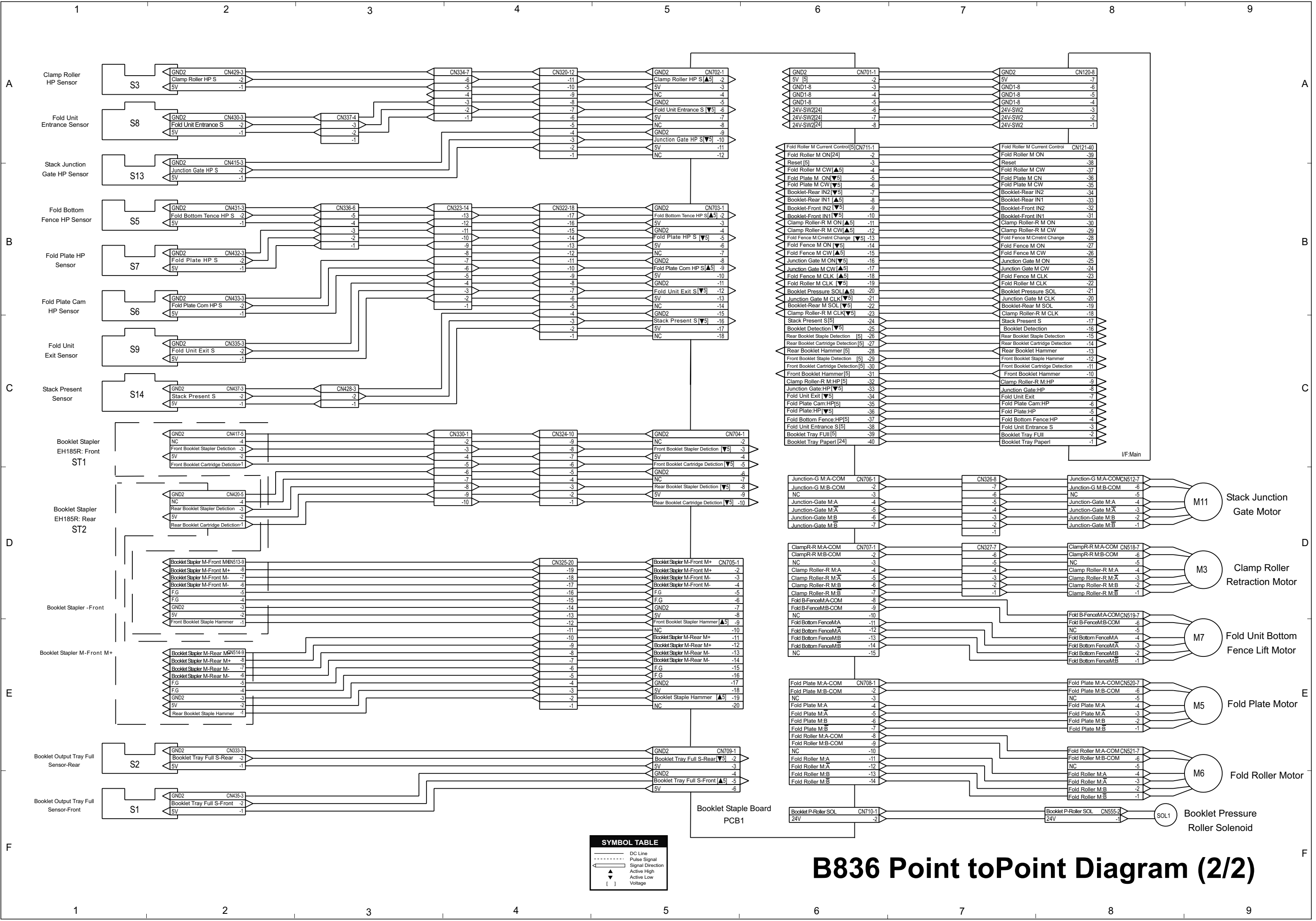
B835 ELECTRICAL COMPONENT LAYOUT



Symbol	Index No.	Description	P to P
Motors			
M1	10	1st Lift Motor	G9
M2	1	1st Paper Feed Motor	G10
M3	3	1st Pick-up Motor	G10
M4	2	1st Transport Motor	G9
M5	6	2nd Feed Motor	G6
M6	19	2nd Lift Motor	G5
M7	4	2nd Pick-up Motor	G6
M8	5	2nd Transport Motor	G6
M9	38	Horizontal Transport Motor	C4
M10	39	Vertical Transport Motor	C4
PCBs			
PCB1	7	Driver Board	E6
PCB2	37	Main Control Board	E5
Sensors			
S1	20	1st Tray Cover Sensor	G7
S2	11	1st Lower Limit Sensor	G7
S3	12	1st paper set sensor	G8
S4	24	1st Paper Feed Sensor	G8
S5	8	1st Paper Length Sensors	G8
S6	9	1st paper upper limit sensor	G7
S7	21	1st Pick-up Roller HP Sensor	G8
S8	23	1st Transport Sensor	G8
S9	26	1st Vertical Transport Sensor	G3
S10	22	1st bottom plate position sensor	G7
S11	14	2nd Lower Limit Sensor	G4
S12	31	2nd tray cover sensor	G3
S13	15	2nd paper set sensor	G5
S14	28	2nd Paper Feed Sensor	G4
S15	17	2nd Paper Length Sensor	G5
S16	18	2nd paper upper limit sensor	G4
S17	30	2nd Pick-up Roller HP Sensor	G4
S18	27	2nd Transport Sensor	G4
S19	29	2nd bottom plate position sensor	G4
S20	32	2nd Vertical Transport Sensor	D5
S21	33	Entrance Sensor	D5
S22	35	Exit Sensor	D6
S23	34	Vertical Exit Sensor	D5
Switches			
SW1	36	Front Door Switch	D4
SW2	25	Transport Cover Switch	G2
SW3	13	1st Paper Width Switch	G8
SW4	16	2nd Paper Width Switch	G5

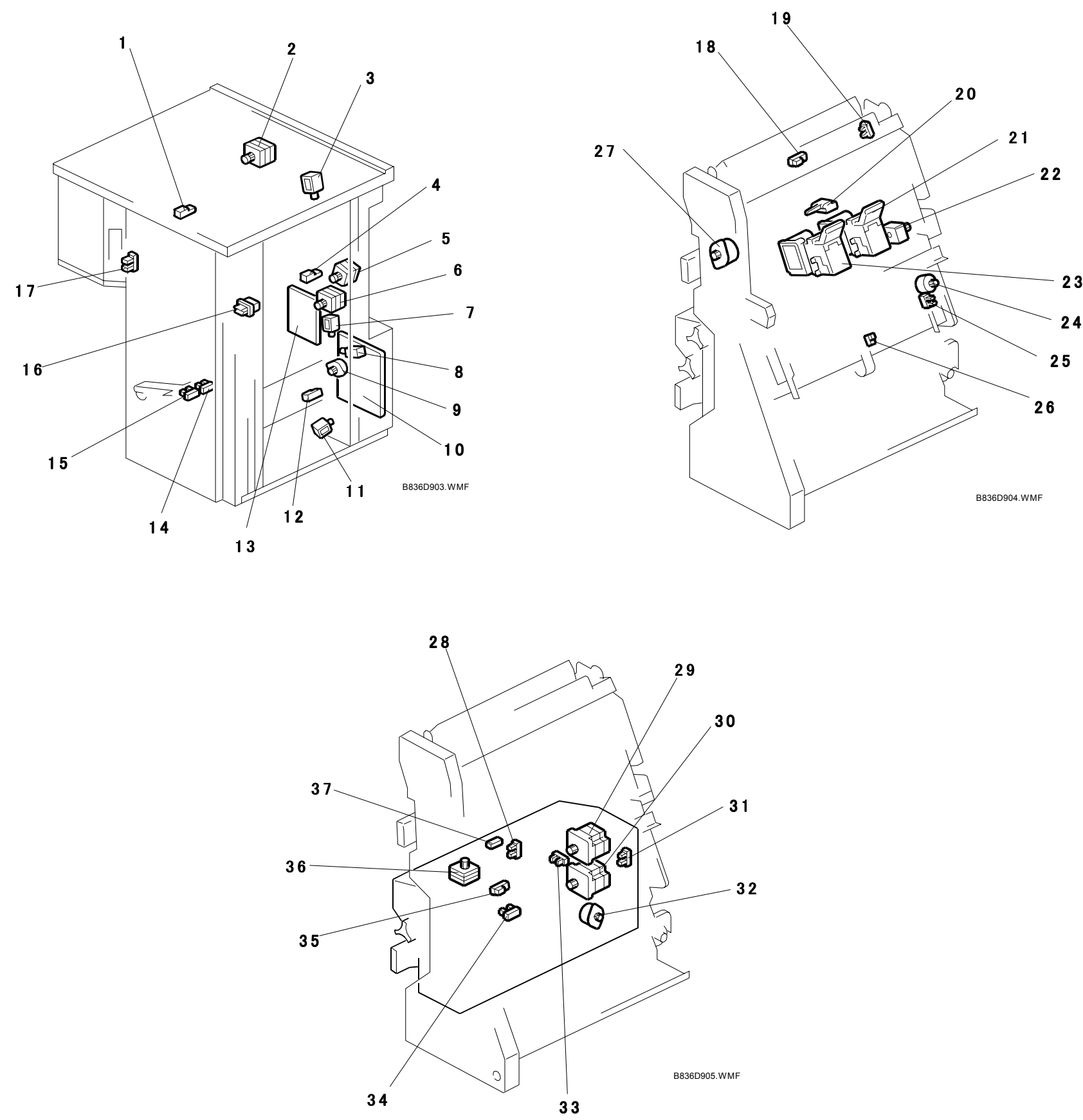


B836 Point toPoint Diagram (1/2)



B836 Point toPoint Diagram (2/2)

B836 ELECTRICAL COMPONENT LAYOUT



Symbol	Index No.	Description	P to P
Motors			
M1	5	Entrance Motor	1-A9
M2	2	Upper Transport Motor	1-C9
M3	36	Clamp Roller Retraction Motor	2-D9
M4	22	Feed Out Belt Motor	1-D9
M5	30	Fold Plate Motor	2-E9
M6	29	Fold Roller Motor	2-F9
M7	32	Fold Unit Bottom Fence Lift Motor	2-E9
M8	24	Jogger Fence Motor	1-D9
M9	6	Lower Transport Motor	1-A9
M10	10	Positioning Roller Motor	1-B9
M11	27	Stack Junction Gate Motor	2-D9
PCBs			
PCB1	13	Booklet Stapler Board	2-F5
PCB2	9	Main Board	1-F5
Sensors			
S1	15	Booklet Output Tray Full Sensor – Front	2-F1
S2	14	Booklet Output Tray Full Sensor – Rear	2-E1
S3	28	Clamp Roller HP Sensor	2-A1
S4	4	Finisher Entrance Sensor	1-B5
S5	34	Fold Bottom Fence HP Sensor	2-B1
S6	33	Fold Plate Cam HP Sensor	2-B1
S7	31	Fold Plate HP Sensor	2-B1
S8	35	Fold Unit Entrance Sensor	2-A1
S9	37	Fold Unit Exit Sensor	2-C1
S10	25	Jogger Fence HP Sensor	1-C1
S11	12	Stack Tray Exit Sensor	1-C5
S12	20	Stack Feed-Out Belt HP Sensor	1-D1
S13	19	Stack Junction Gate HP Sensor	2-B1
S14	18	Stack Present Sensor	2-C1
S15	26	Stapling Tray Paper Sensor	1-C1
S16	1	Horizontal Transport Sensor	1-C1
S17	17	Small Front Door Open Sensor	1-D1
Solenoids			
SOL1	7	Booklet Pressure Roller Solenoid	2-F8
SOL2	8	Positioning Roller Solenoid	1-D9
SOL3	11	Edge Pressure Plate Solenoid	1-C9
SOL4	3	Stapling Tray Junction Gate Solenoid	1-C9
Switches			
SW1	16	Front Door Safety Switch	1-B5
Others			
ST1	23	Booklet Stapler - Front	2-C2
ST2	21	Booklet Stapler - Rear	2-D2