

A
B
C
D
E
F

A
B
C
D
E
F

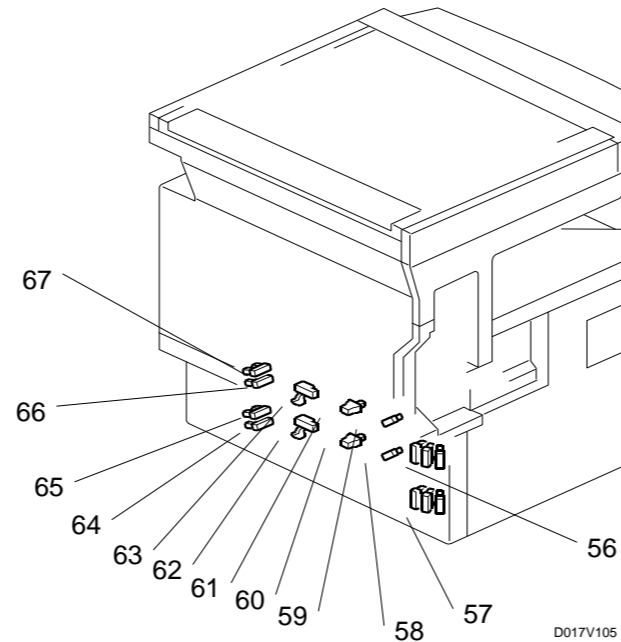
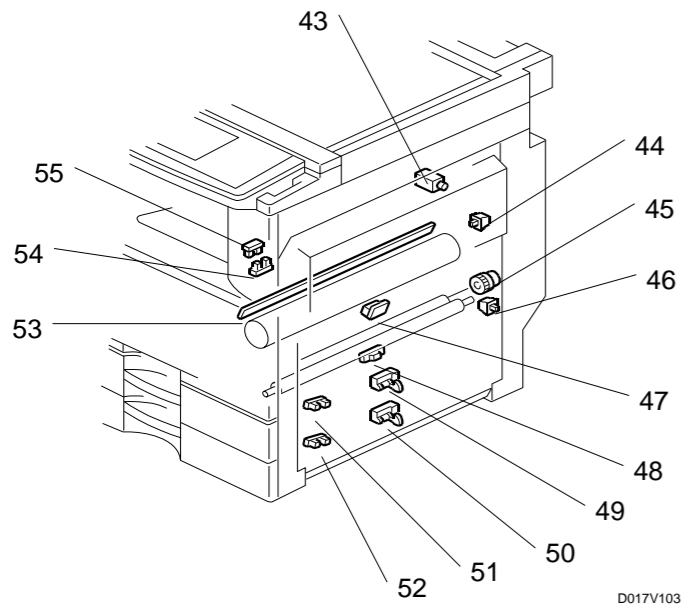
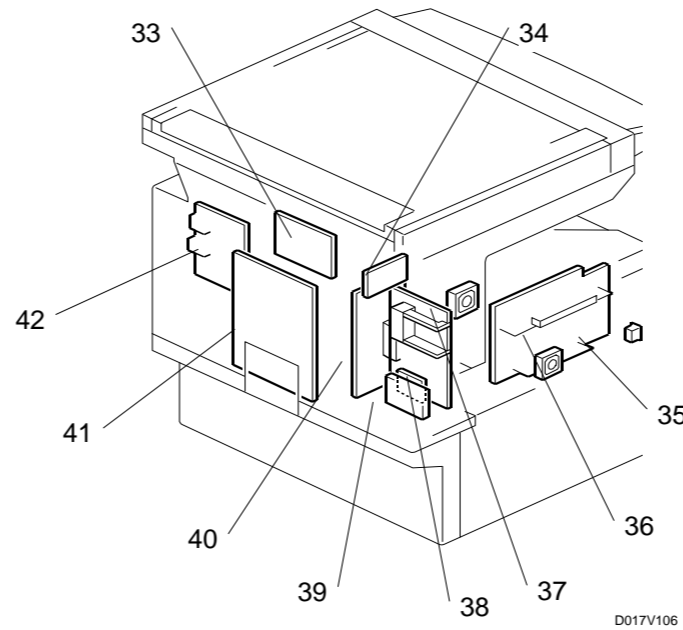
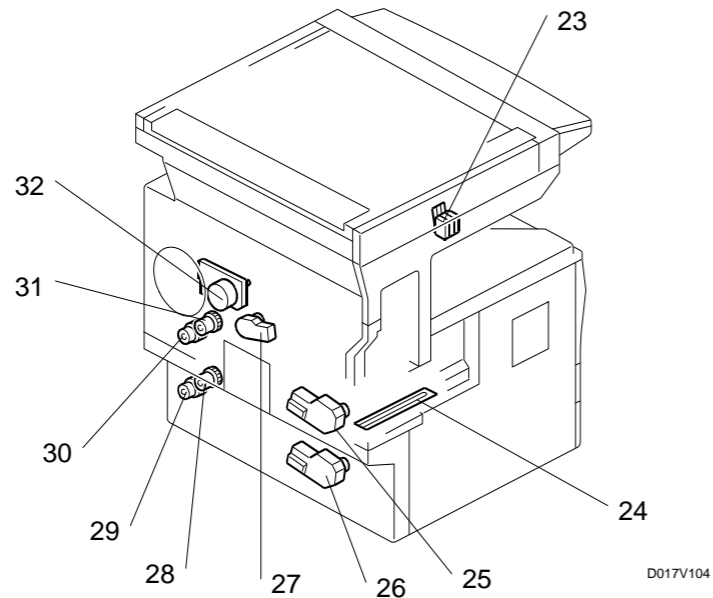
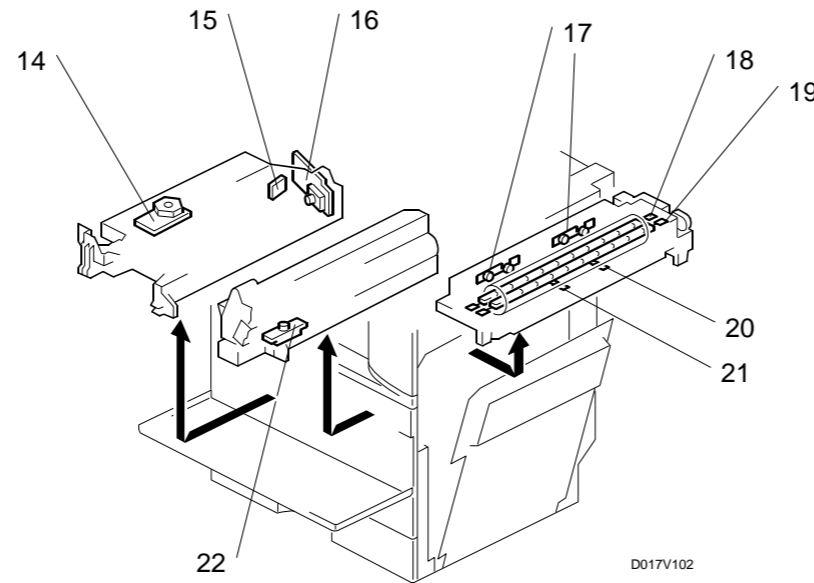
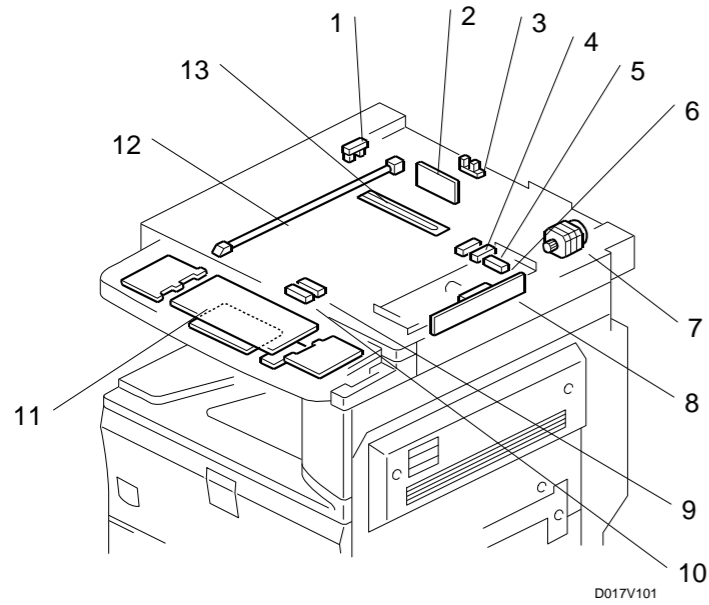
(D017/D018/D019/D020/D084/D085) POINT TO POINT DIAGRAM

*1 Option Unit for all models
 *2 Standard Unit for NA/EU models of R-C5
 Standard Unit for NA/EU/AA models of R-C5.5

SYMBOL TABLE

[]	Voltage	Ready Low
A	Analog Signal	Ready High
→	Signal Direction	

(D017/D018/D019/D020/D084/D085) ELECTRICAL COMPONENT LAYOUT



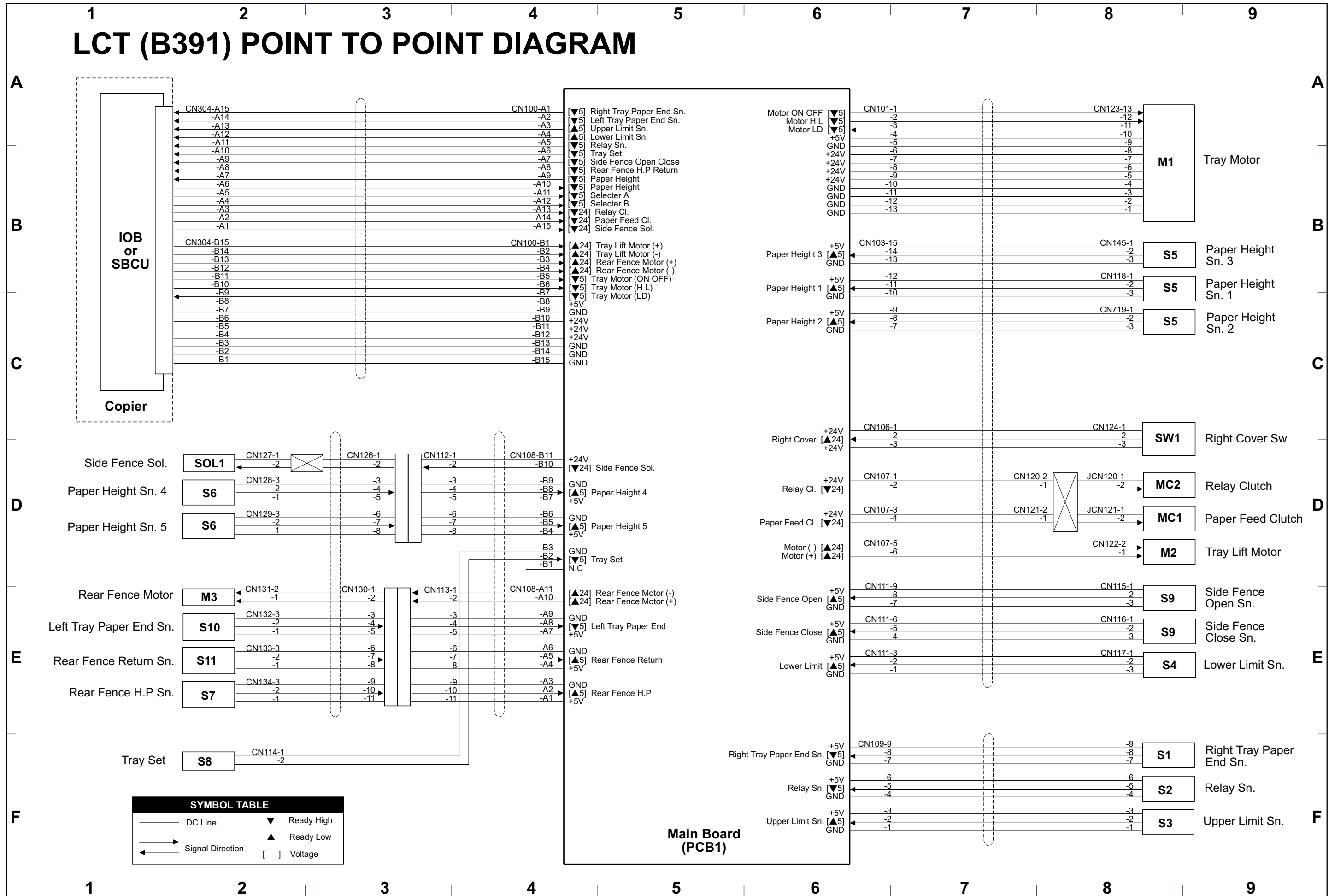
Symbol	Name	Index No.	P to P
Motors			
M1	Upper Paper Lift Motor	25	A1
M2	Lower Paper Lift Motor	26	A1
M3	Main Motor	32	A2
M4	Toner Supply Motor	27	A2
M5	Exhaust Fan Motor	37	B3
M6	Polygon Mirror Motor	14	E7
M7	Scanner Motor	7	C7/E7
Magnetic Clutches			
MC1	Upper Paper Feed Clutch	31	A3
MC2	Upper Relay Clutch	30	A3
MC3	Lower Paper Feed Clutch	28	A4
MC4	Lower Relay Clutch	29	A4
MC5	Registration Clutch	45	A6
Switches			
SW1	New PCU Detect SW	44	A1
SW2	1st Tray Detect Switch	61	A4
SW3	2nd Tray Detect Switch	60	A5
SW4	Right Cover Switch	46	A5
SW5	Interlock Switches	23	A6
SW6	Main Switch	35	D1

Symbol	Name	Index No.	P to P
Sensors			
S1	1st Paper Lift Sensor	59	A1
S2	2nd Paper Lift Sensor	58	A1
S3	TD Sensor	22	A1
S4	1st Paper End Sensor	51	A2
S5	Upper Relay Sensor	49	A2
S6	2nd Paper End Sensor	52	A3
S7	Lower Relay Sensor	50	A3
S8	1st Paper Height Sensor	67	A3
S9	1st Paper Height Sensor	66	A3
S10	2nd Paper Height Sensor	65	A3
S11	2nd Paper Height Sensor	64	A4
S12	1st Bottom Fence Sensor	56	A4
S13	1st Bottom Fence Sensor	56	A4
S14	1st Bottom Fence Sensor	56	A4
S15	1st Side Fence Sensor	63	A4
S16	2nd Bottom Fence Sensor	57	A4
S17	2nd Bottom Fence Sensor	57	A5
S18	2nd Bottom Fence Sensor	57	A5
S19	2nd Side Fence Sensor	62	A5
S20	ID Sensor	47	A5
S21	Registration Sensor	48	A5
S22	Paper Exit Sensor	54	A8

Symbol	Name	Index No.	P to P
Sensors			
S23	Paper Overflow Sensor	55	A8
S24	Scanner HP Sensor	1	B6
S25	Platen Cover Sensor	3	B6
S26	APS1:Original Width	9	B7/D7
S27	APS2:Original Width	10	B7/D7
S28	APS3:Original Length	4	C7/D7
S29	APS4:Original Length	5	C7/D7
S30	APS5:Original Length	6	C7/D7
PCBs			
PCB1	BCU (Base Engine Control)	41	B4
PCB2	Operation Panel	11	B3
PCB3	PSU (Power Supply Unit)	36	D2
PCB4	High Voltage Supply	42	B5
PCB5	IPU (Image Processing)	40	E4
PCB6	CTL (Controller)	38	E3
PCB7	LDD (Laser Diode Driver)	16	E3
PCB8	SBU (Scanner Board)	8	C5/D5
PCB9	SIU (Scanner Interface)	34	C5/DE5
PCB10	SIO (Scanner In Out)	33	C6/D6
PCB11	Lamp Stabilizer	2	C6/D6

Symbol	Name	Index No.	P to P
Solenoids			
SOL1	Fusing Drive Release Solenoid	43	A9
Lamps			
L1	Quenching Lamp	53	A2
L2	Fusing Lamp Main	18	C1
L3	Secondary Fusing Lamp	19	D1
L4	Exposure Lamp	12	C7/E7
Heaters			
H1	Anti-Condensation Heater (Option)	13	E2
H2	Tray Heater (Option)	24	E2
Others			
TS1	Thermostats	17	C1
TH1	Thermistor Main	21	D1
TH2	Thermistor Sub	20	D1
LSD1	LSDB (Laser Synchronization Detector Board)	15	E2
HDD1	HDD	39	F3
CO1	Mechanical Counter (Option)	-	A6
CO2	Key Counter (Option)	-	A7

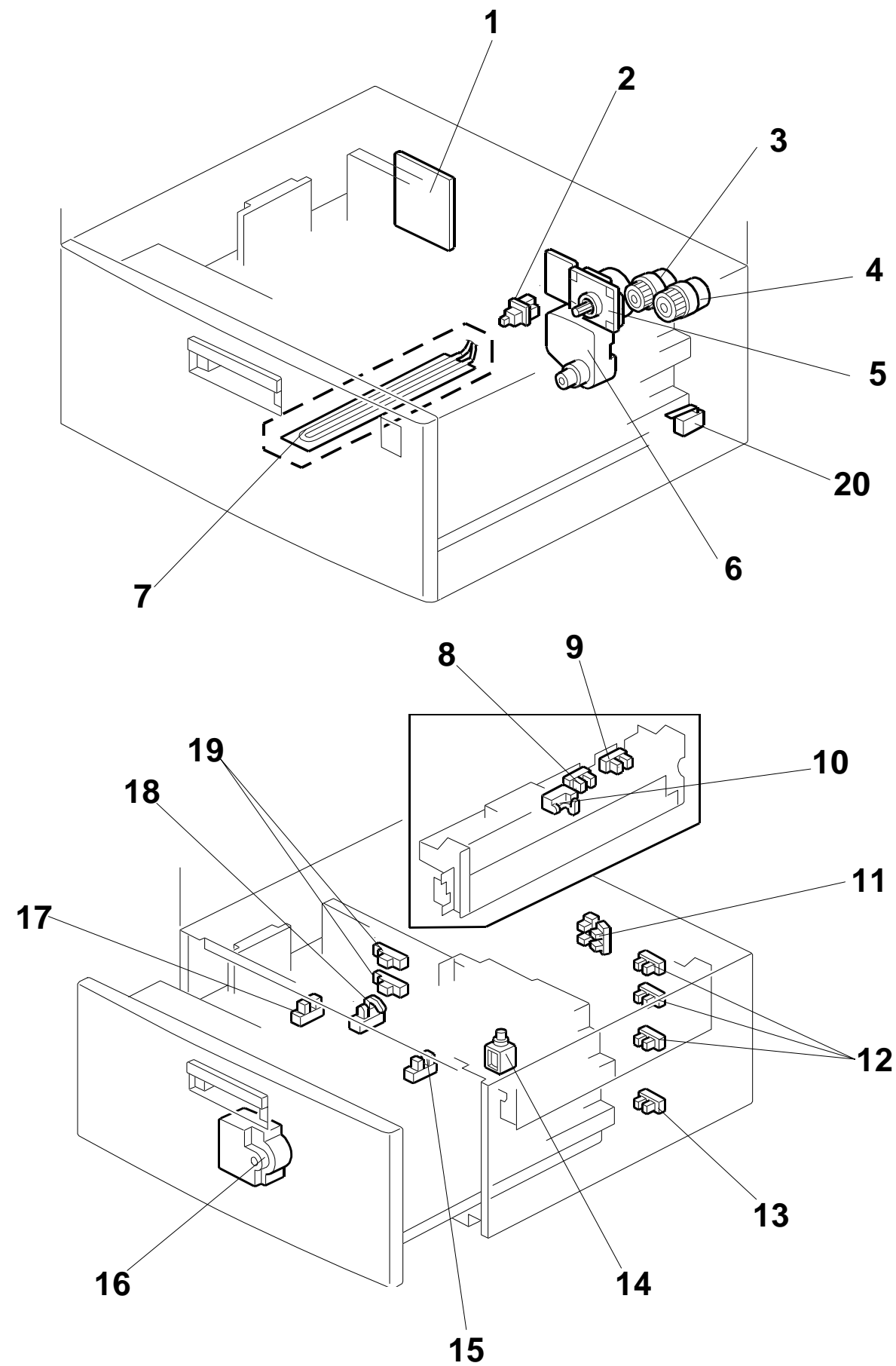
LCT (B391) POINT TO POINT DIAGRAM



SYMBOL TABLE			
—	DC Line	▼	Ready High
→	Signal Direction	▲	Ready Low
		[]	Voltage

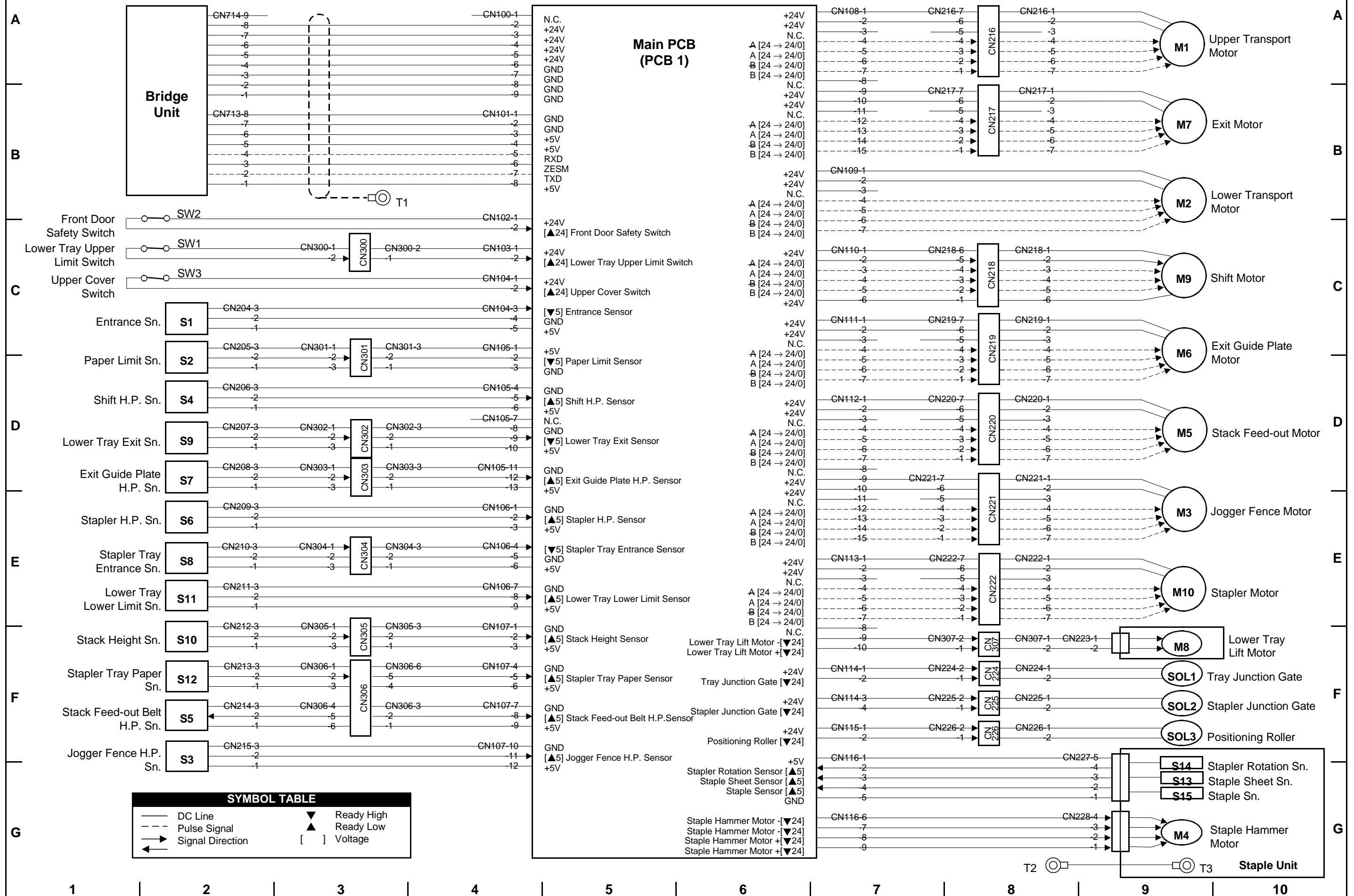
Main Board (PCB1)

LCT (B391) ELECTRICAL COMPONENT LAYOUT

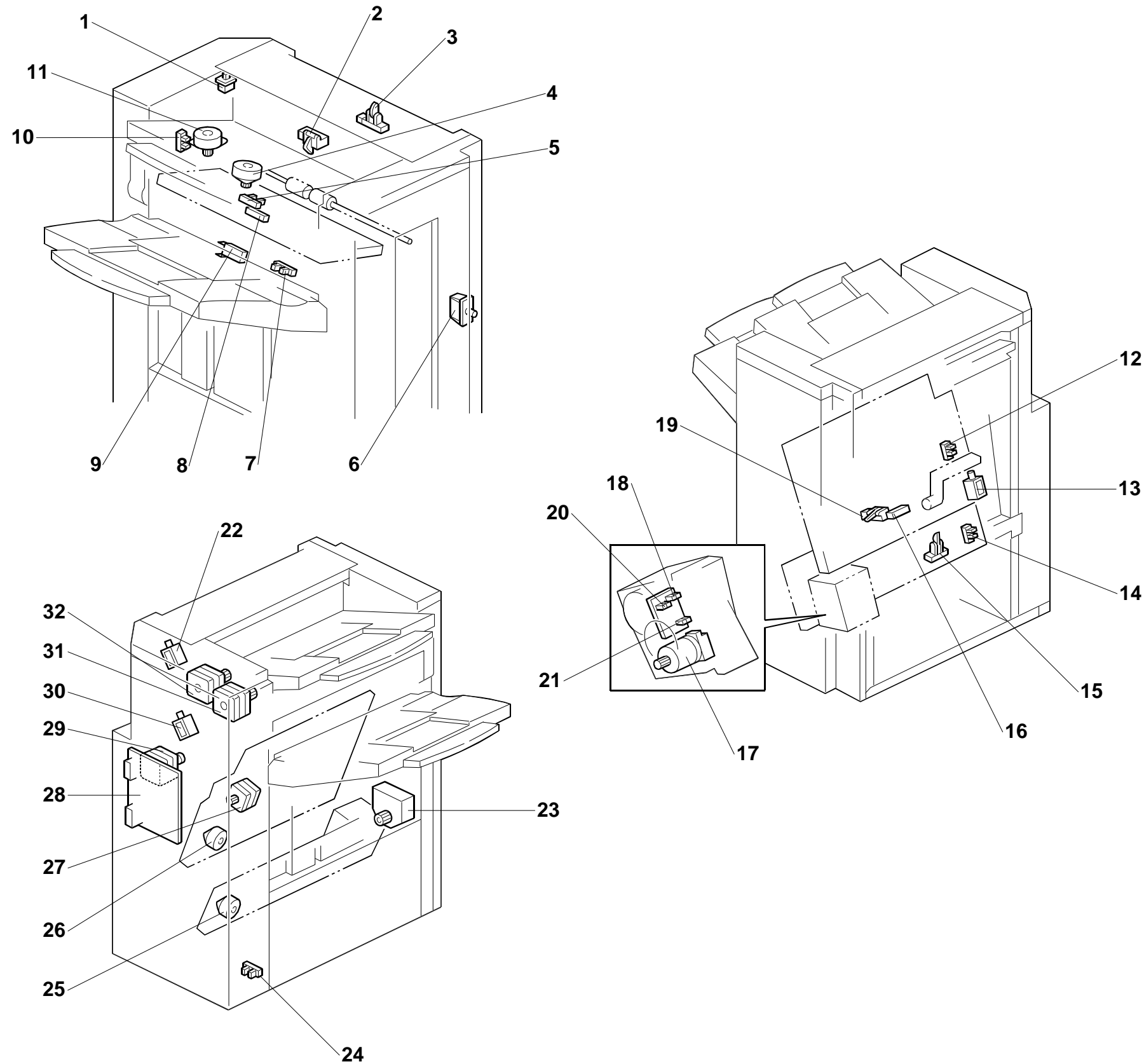


Symbol	Name	Index No.	P to P
Motors			
M1	Tray Motor	5	B8
M2	Tray Lift Motor	6	D8
M3	Rear Fence Motor	16	E2
Sensors			
S1	Right Tray Paper End	8	F8
S2	Relay	10	F8
S3	Upper Limit	9	F8
S4	Lower Limit	13	E8
S5	Paper Height 1, 2, 3	12	B8, C8
S6	Paper Height 4, 5	19	D2
S7	Rear Fence Home Position	17	E2
S8	Tray	2	F2
S9	Side Fence Open/Closed	11	E8
S10	Rear Fence Return	15	E2
S11	Left Tray Paper End	18	E2
Solenoids			
SOL1	Side Fence	14	D2
Magnetic Clutches			
MC1	Paper Feed	4	D8
MC2	Relay	3	D8
PCBs			
PCB1	Main	1	F5
Switches			
SW1	Right Cover	20	D8

1000-SHEET FINISHER (B408) Point to Point Diagram

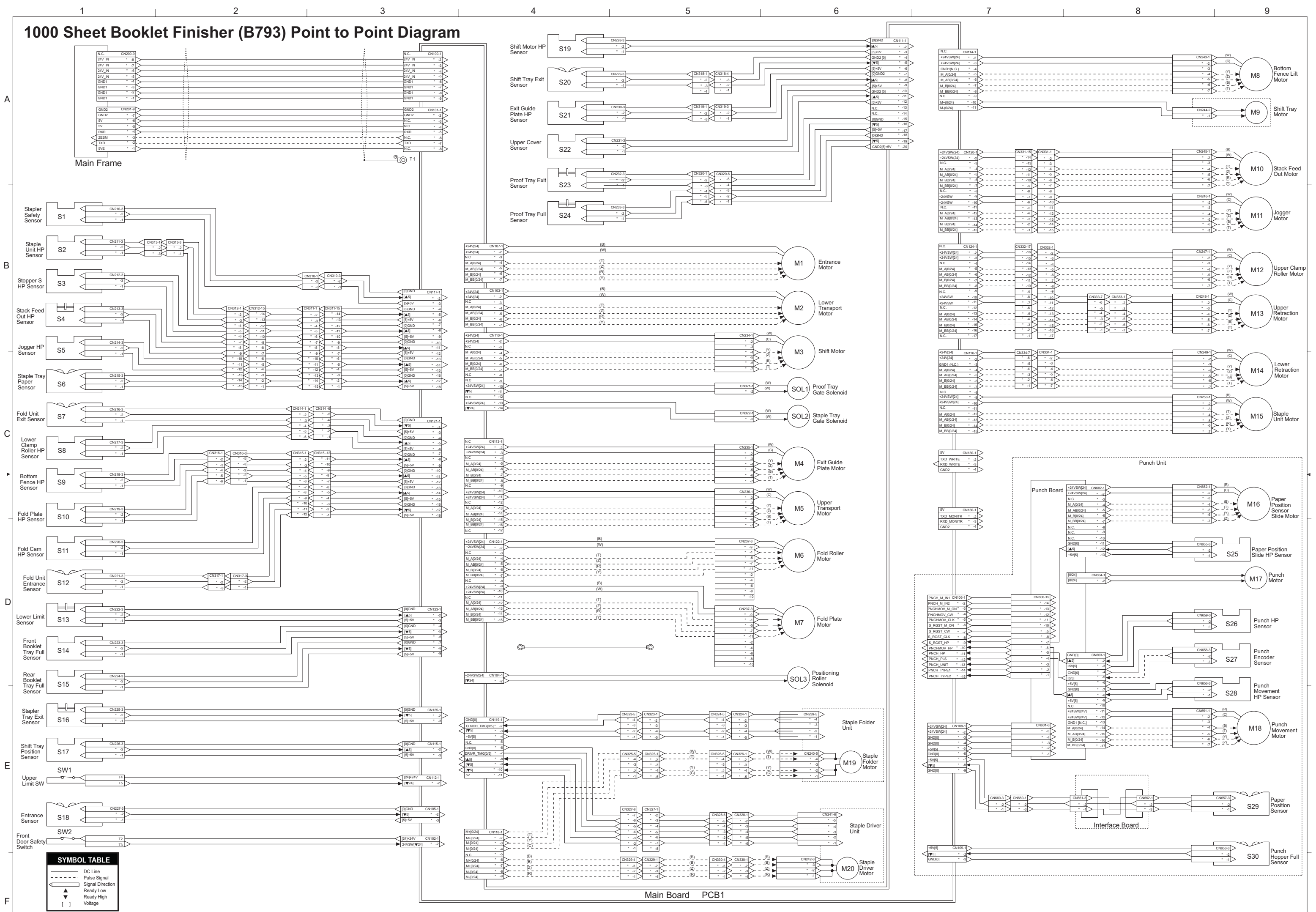


1000-SHEET FINISHER (B408) ELECTRICAL COMPONENT LAYOUT



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

1000 Sheet Booklet Finisher (B793) Point to Point Diagram



SYMBOL TABLE

—	DC Line
---	Pulse Signal
→	Signal Direction
⬆	Ready Low
⬆	Ready High
[]	Voltage

A
B
C
D
E
F

Main Frame

Main Board PCB1

Punch Unit

Interface Board

Staple Folder Unit

Staple Driver Unit

M8 Bottom Fence Lift Motor

M9 Shift Tray Motor

M10 Stack Feed Out Motor

M11 Jogger Motor

M12 Upper Clamp Roller Motor

M13 Upper Retraction Motor

M14 Lower Retraction Motor

M15 Staple Unit Motor

M16 Paper Position Sensor Slide Motor

M17 Punch Motor

M18 Punch Movement Motor

S25 Paper Position Slide HP Sensor

S26 Punch HP Sensor

S27 Punch Encoder Sensor

S28 Punch Movement HP Sensor

S29 Paper Position Sensor

S30 Punch Hopper Full Sensor

M1 Entrance Motor

M2 Lower Transport Motor

M3 Shift Motor

SOL1 Proof Tray Gate Solenoid

SOL2 Staple Tray Gate Solenoid

M4 Exit Guide Plate Motor

M5 Upper Transport Motor

M6 Fold Roller Motor

M7 Fold Plate Motor

SOL3 Positioning Roller Solenoid

M19 Staple Folder Motor

M20 Staple Driver Motor

S19 Shift Motor HP Sensor

S20 Shift Tray Exit Sensor

S21 Exit Guide Plate HP Sensor

S22 Upper Cover Sensor

S23 Proof Tray Exit Sensor

S24 Proof Tray Full Sensor

S1 Stapler Safety Sensor

S2 Staple Unit HP Sensor

S3 Stopper S HP Sensor

S4 Stack Feed Out HP Sensor

S5 Jogger HP Sensor

S6 Staple Tray Paper Sensor

S7 Fold Unit Exit Sensor

S8 Lower Clamp Roller HP Sensor

S9 Bottom Fence HP Sensor

S10 Fold Plate HP Sensor

S11 Fold Cam HP Sensor

S12 Fold Unit Entrance Sensor

S13 Lower Limit Sensor

S14 Front Booklet Tray Full Sensor

S15 Rear Booklet Tray Full Sensor

S16 Stapler Tray Exit Sensor

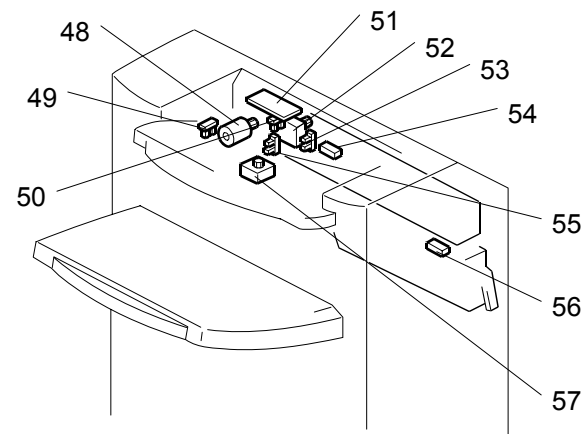
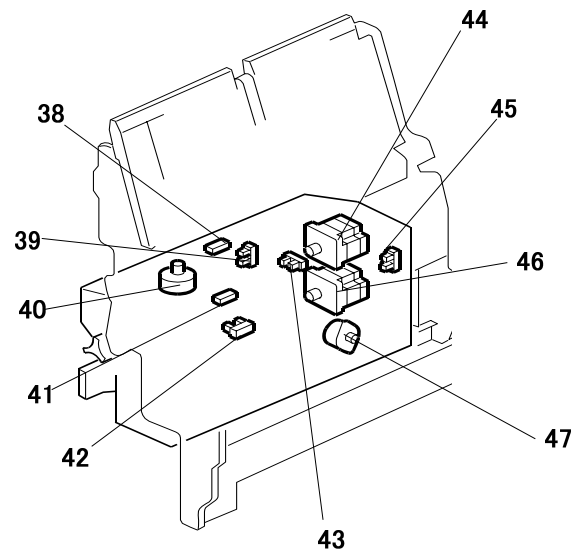
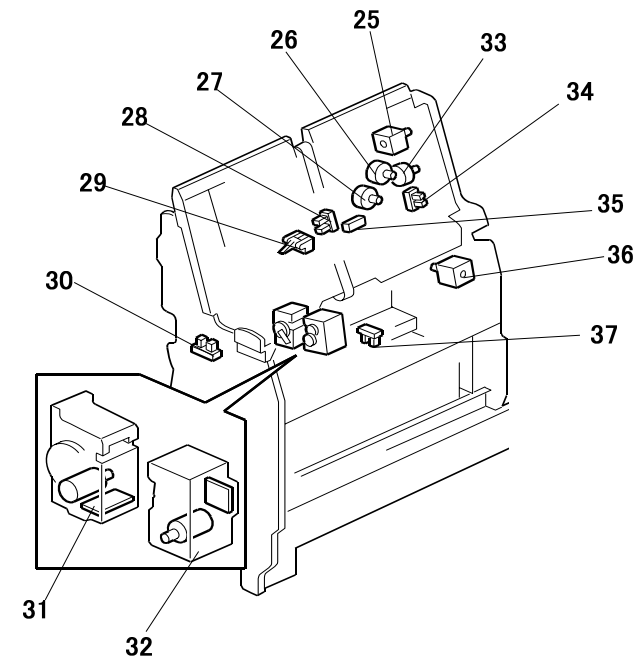
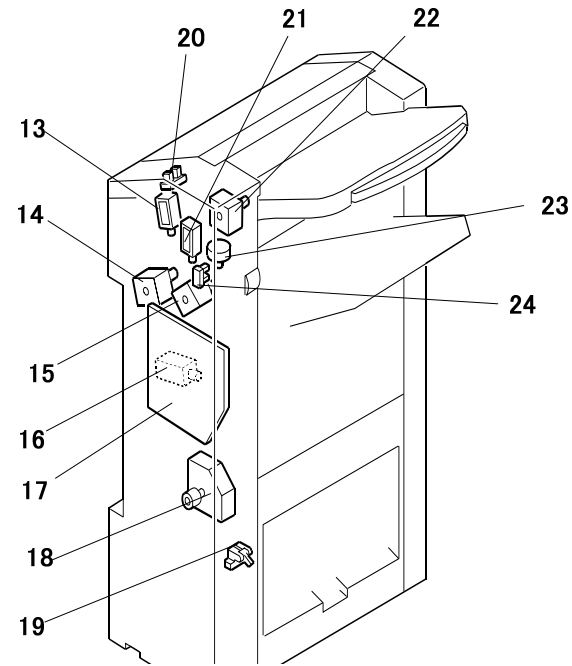
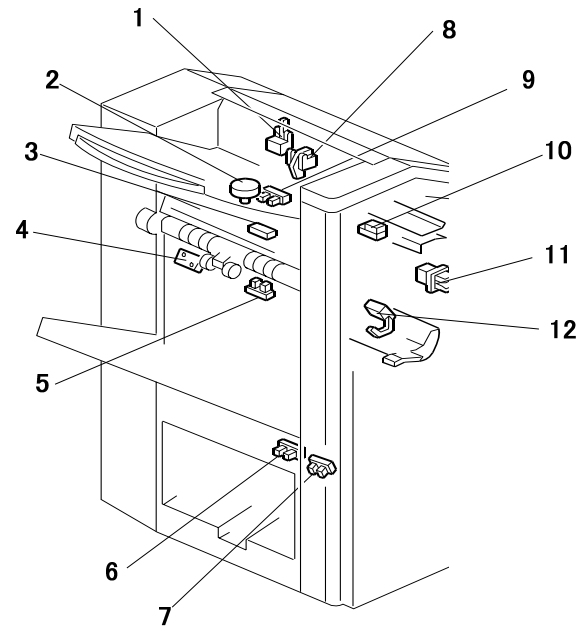
S17 Shift Tray Position Sensor

SW1 Upper Limit SW

S18 Entrance Sensor

SW2 Front Door Safety Switch

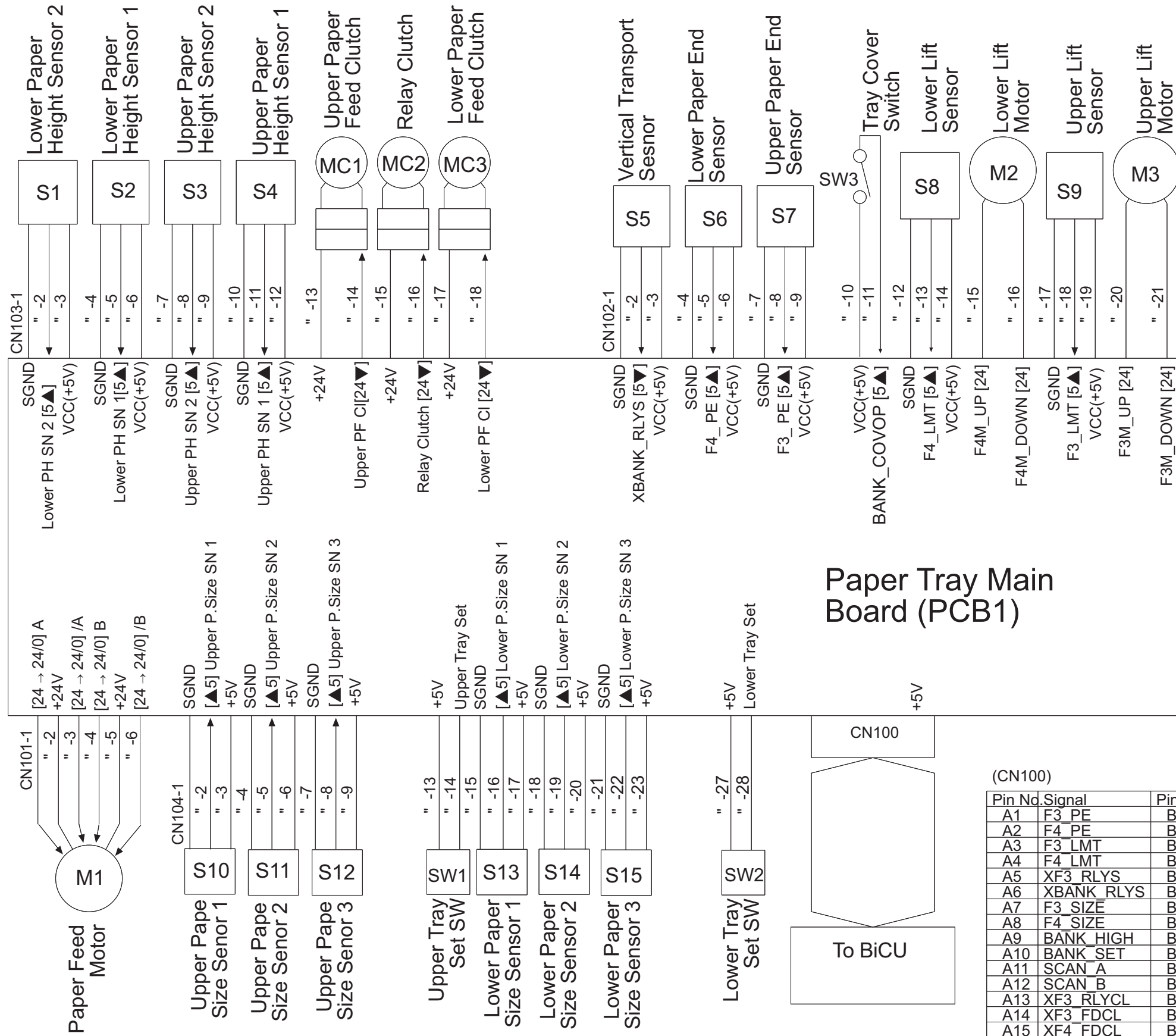
1000 SHEET BOOKLET FINISHER (B793) ELECTRICAL COMPONENT LAYOUT



Symbol	Name	Index No.	P-to-P
Motors			
M1	Entrance	15	B6
M2	Lower Transport	14	B6
M3	Shift	23	B6
M4	Exit Guide Plate	2	C6
M5	Upper Transport	22	C6
M6	Fold Roller	44	D6
M7	Fold Plate	46	D7
M8	Bottom Fence Lift	47	A9
M9	Shift Tray	18	A9
M10	Stack Feed Out	25	A9
M11	Jogger	26	B9
M12	Upper Clamp Roller	33	B9
M13	Upper Retraction	27	B9
M14	Lower Retraction	40	C9
M15	Staple Unit	36	C9
M16	Paper Position Sensor Slide	52	C9
M17	Punch	48	D9
M18	Punch Movement	57	E9
M19	Staple Folder	32	E6
M20	Staple Driver	31	F6

Sensors			
S1	Stapler Safety	37	B1
S2	Staple Unit HP	30	B1
S3	Stack S HP	28	B1
S4	Stack Feed Out HP	29	B1
S5	Jogger HP	34	B1
S6	Staple Tray Paper	35	C1
S7	Fold Unit Exit	38	C1
S8	Lower Clamp Roller HP	39	C1
S9	Bottom Fence HP	42	C1
S10	Fold Plate HP	45	C1
S11	Fold Cam HP	43	D1
S12	Fold Unit Entrance	41	D1
S13	Lower Limit	19	D1
S14	Front Booklet Tray Full	7	D1
S15	Rear Booklet Tray Full	6	D1
S16	Stapler Tray Exit	12	E1
S17	Shift Tray Position	5	E1
S18	Entrance	10	E1
S19	Shift Motor HP	24	A4
S20	Shift Tray Exit	3	A4
S21	Exit Guide Plate HP	9	A4
S22	Upper Cover	20	A4
S23	Proof Tray Exit	1	A4
S24	Proof Tray Full	8	B4
S25	Paper Position Slide HP	53	D9
S26	Punch HP	50	D9
S27	Punch Encoder	49	D9
S28	Punch Movement HP	50	E9
S29	Paper Position	54	E9
S30	Punch Hopper Full	56	F9
Solenoids			
SOL1	Proof Tray Gate	13	C6
SOL2	Staple Tray Gate	21	C6
SOL3	Positioning Roller	16	D6
Switches			
SW1	Upper Limit	4	E1
SW2	Front Door Safety	11	E1
PCBs			
PCB1	Main Board	17	A3-F7
PCB2	Punch Board	51	C7-E8

Paper Feed Unit (D331) POINT TO POINT BLOCK DIAGRAM



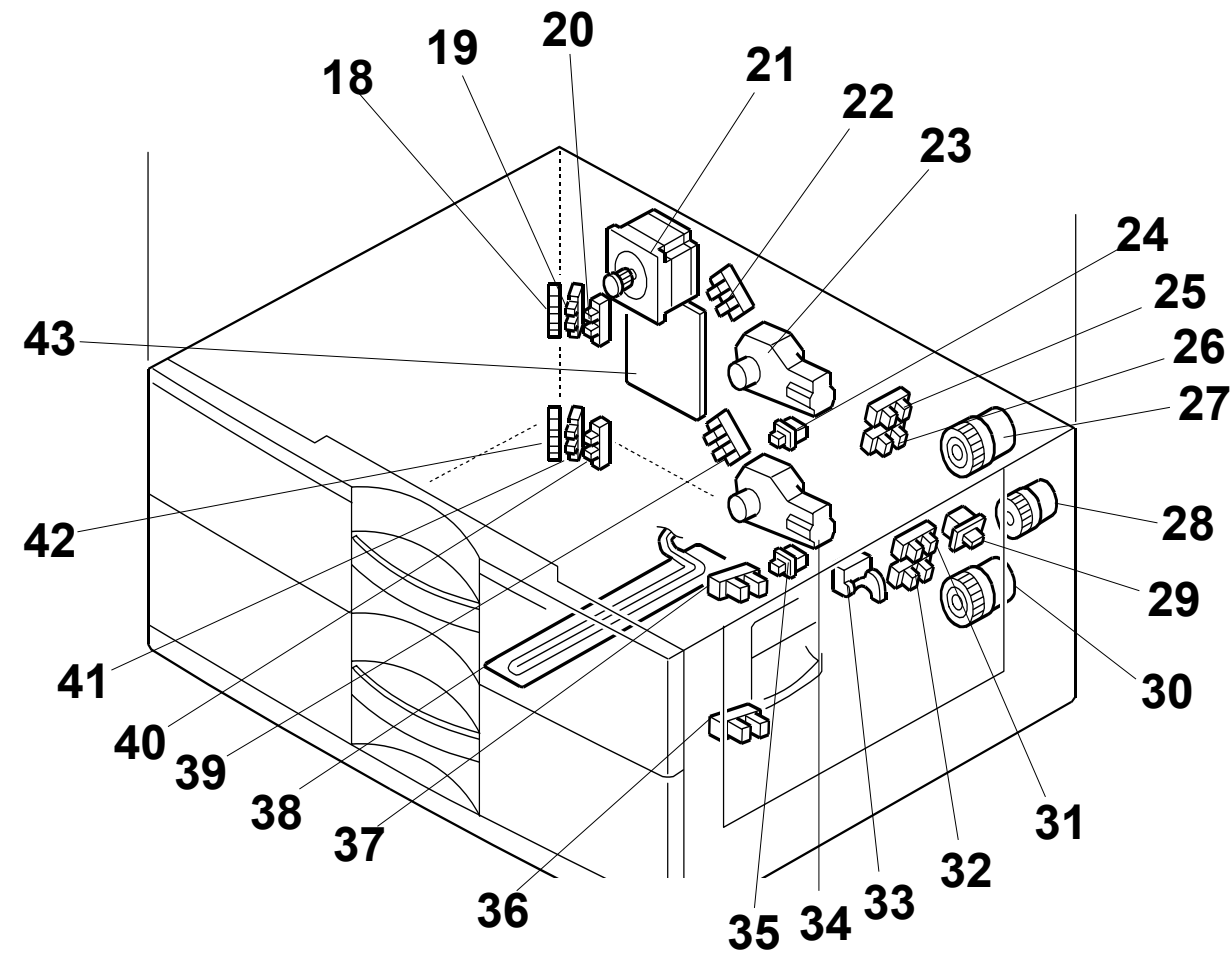
SYMBOL TABLE

	Signal Direction
	Ready Low
	Ready High
[]	Voltage

(CN100)

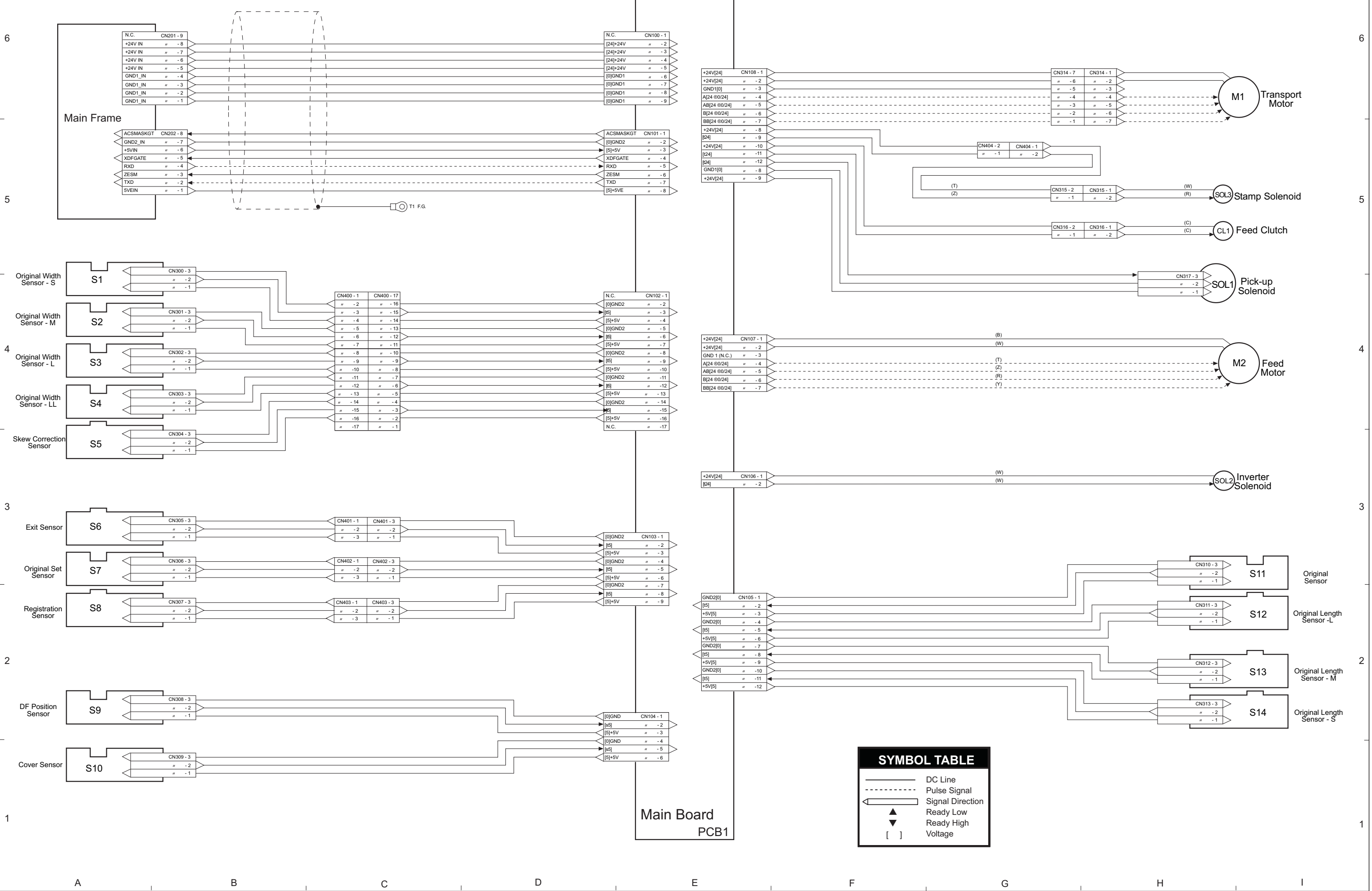
Pin No.	Signal	Pin No.	Sign
A1	F3_PE	B1	F3M_UP
A2	F4_PE	B2	F3M_DN
A3	F3_LMT	B3	F4M_UP
A4	F4_LMT	B4	F4M_DN
A5	XF3_RLYS	B5	XBANK_MON
A6	XBANK_RLYS	B6	High spd
A7	F3_SIZE	B7	XBANK_MLD
A8	F4_SIZE	B8	+5V
A9	BANK_HIGH	B9	GND
A10	BANK_SET	B10	+24VL
A11	SCAN_A	B11	+24VL
A12	SCAN_B	B12	+24VL
A13	XF3_RLYCL	B13	GND
A14	XF3_FDCL	B14	GND
A15	XF4_FDCL	B15	GND

Paper Feed Unit (D331) ELECTRICAL COMPONENT LAYOUT

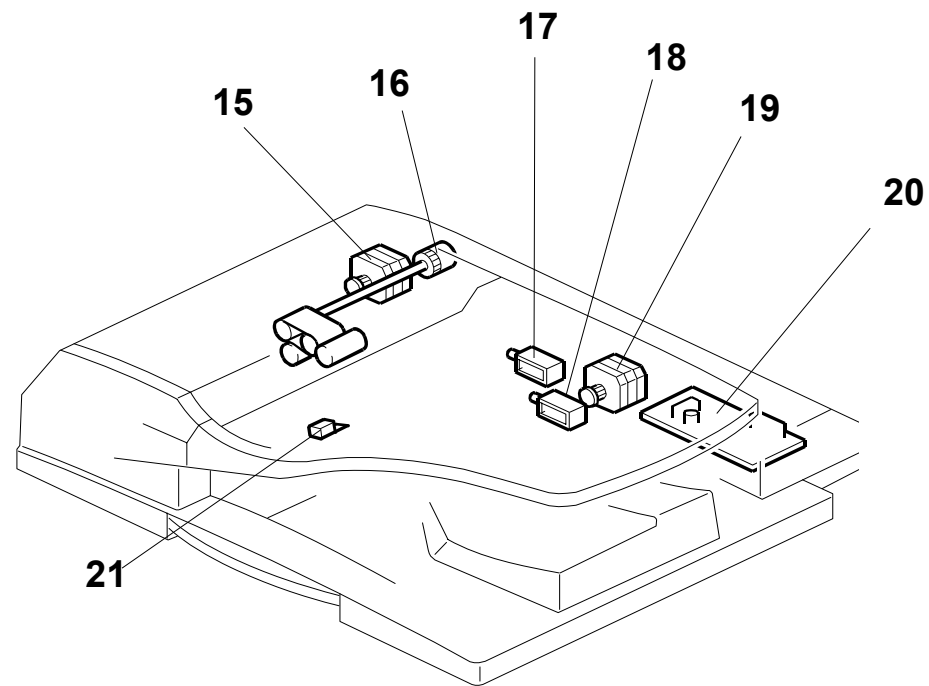
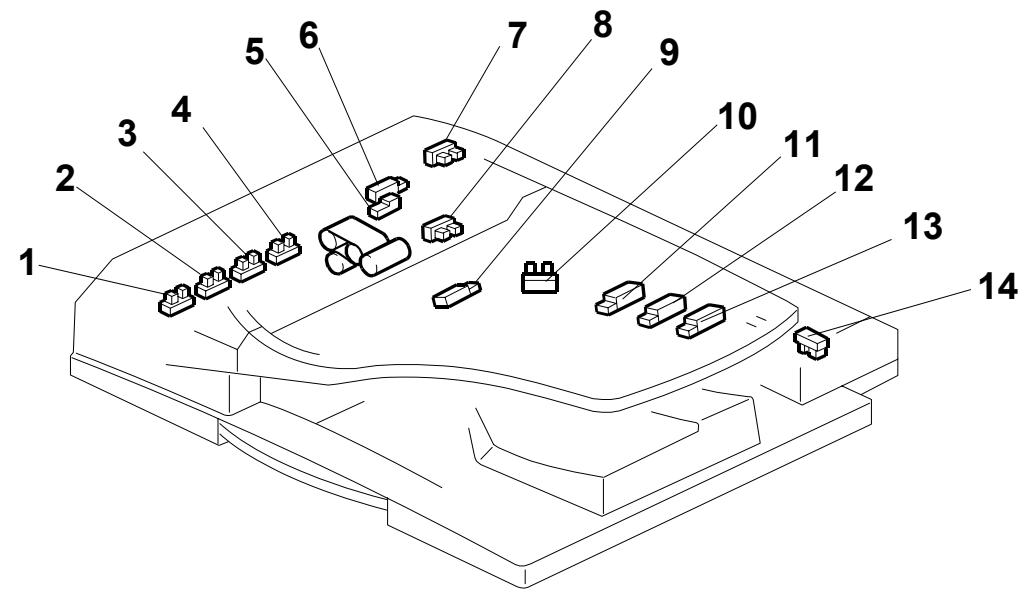


Symbol	Description	Index No.	P to P
Motors			
M1	Paper Feed	21	E2
M2	Lower Lift	34	B7
M3	Upper Lift	23	B7
Sensors			
S1	Lower Paper Height 2	32	B2
S2	Lower Paper Height 1	31	B2
S3	Upper Paper Height 2	26	B3
S4	Upper Paper Height 1	25	B3
S5	Vertical Transport	33	B5
S6	Lower Paper End	36	B5
S7	Upper Paper End	37	B5
S8	Lower Lift	39	B6
S9	Upper Lift	22	B6
S10	Upper Paper Size 1	18	E3
S11	Upper Paper Size 2	19	E3
S12	Upper Paper Size 3	20	E3
S13	Lower Paper Size 1	42	E4
S14	Lower Paper Size 2	41	E4
S15	Lower Paper Size 3	40	E5
Switches			
SW1	Upper Tray Set	24	E4
SW2	Lower Tray Set	35	E5
SW3	Tray Cover	29	B6
Magnetic Clutches			
MC1	Upper Paper Feed	27	B3
MC2	Relay	28	B4
MC3	Lower Paper Feed	30	B4
PCB			
PCB1	Paper Tray Main	43	C-D/2-7

ARDF (D366) POINT TO POINT DIAGRAM

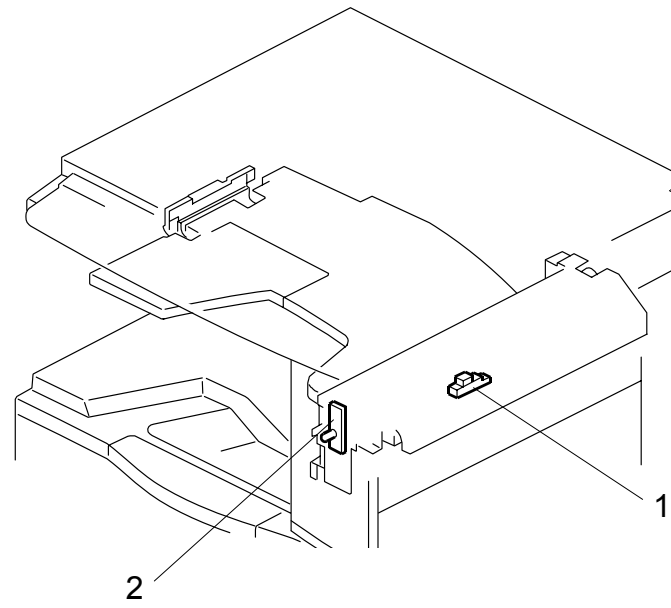


ARDF (D366) ELECTRICAL COMPONENT LAYOUT



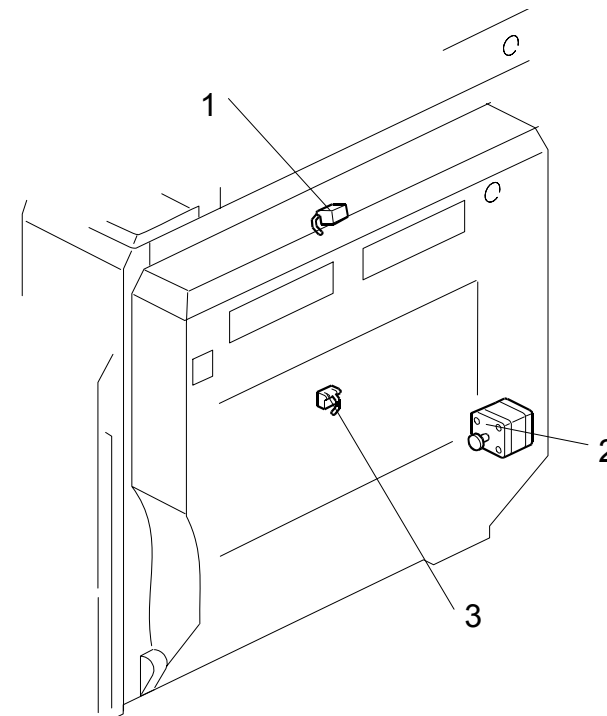
Symbol	Name	Index No.	P-to-P
Motors			
M1	Transport	15	I6
M2	Feed	19	I4
Sensors			
S1	Original Width S	4	A4
S2	Original Width M	3	A4
S3	Original Width L	2	A4
S4	Original Width LL	1	A4
S5	Skew Correction	5	A3
S6	Exit	9	A3
S7	Original Set	8	A3
S8	Registration	6	A2
S9	DF Position	14	A2
S10	Cover	7	A1
S11	Original	10	I3
S12	Original Length L	13	I2
S13	Original Length M	12	I2
S14	Original Length S	11	I2
Solenoids			
SOL1	Pick-up	17	H4
SOL2	Inverter	18	H3
SOL3	Stamp	21	H5
Magnetic Clutches			
MC1	Feed	16	H5
PCBs			
PCB1	Main Board	20	E1-6

1-BIN TRAY (D367)/BRIDGE UNIT (D368)/DUPLEX UNIT (D369)/BY-PASS TRAY (D370)/ INTERCHANGE UNIT (D371) ELECTRICAL COMPONENT LAYOUT



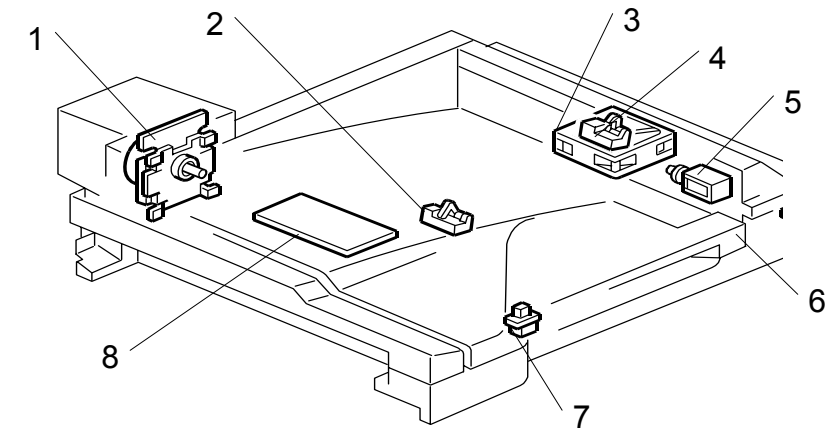
1-BIN TRAY UNIT (D367)

Symbol	Name	Index No.	P to P
Sensors			
S1	Paper	1	A8
LEDs			
LED1	1 Bin Exit Tray	2	A8



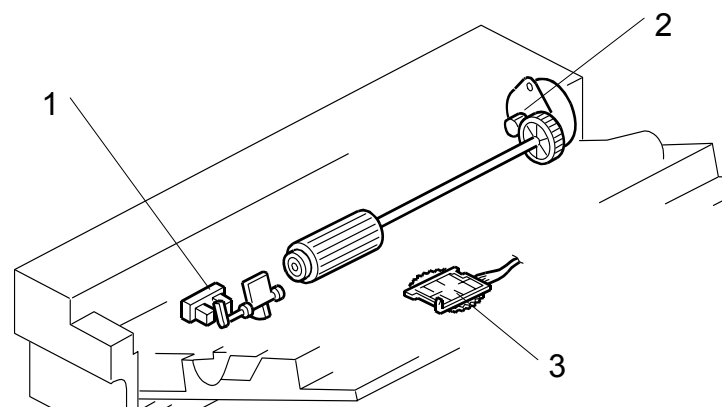
Duplex Unit (D369)

Symbol	Name	Index No.	P to P
Motor			
M1	Duplex/By-pass	2	B1
Sensors			
S1	Duplex Entrance	1	B1
S2	Duplex Exit	3	B1



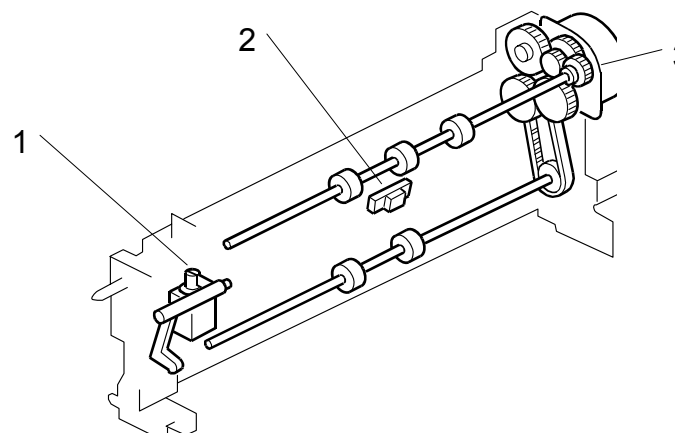
BRIDGE UNIT (D368)

Symbol	Name	Index No.	P to P
Motors			
M1	Cooling Fan	4	
M2	Drive Motor	1	
Sensors			
S1	Tray Exit	3	
S2	Relay	2	
Switches			
SW2	Right Guide	6	
SW3	Left Guide	7	
Solenoids			
SOL1	Junction Gate	5	
PCBs			
PCB1	Bridge Unit Control Board	8	



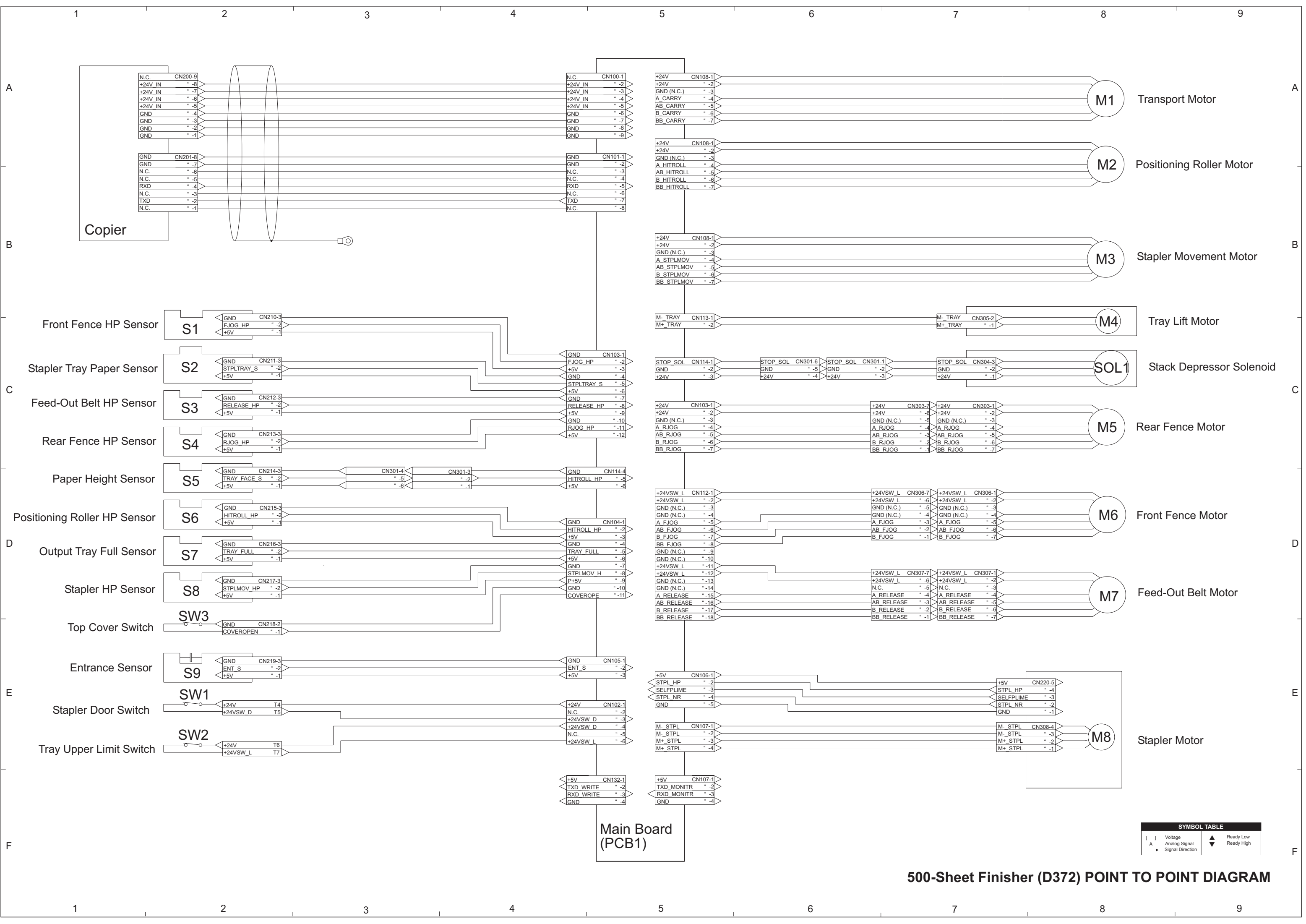
By-pass Tray Unit (D370)

Symbol	Name	Index No.	P to P
Motor			
M1	By-pass Tray	2	C1
Sensors			
S1	Paper End	1	C2
S2	Paper Size	3	C2



Interchange Unit (D371)

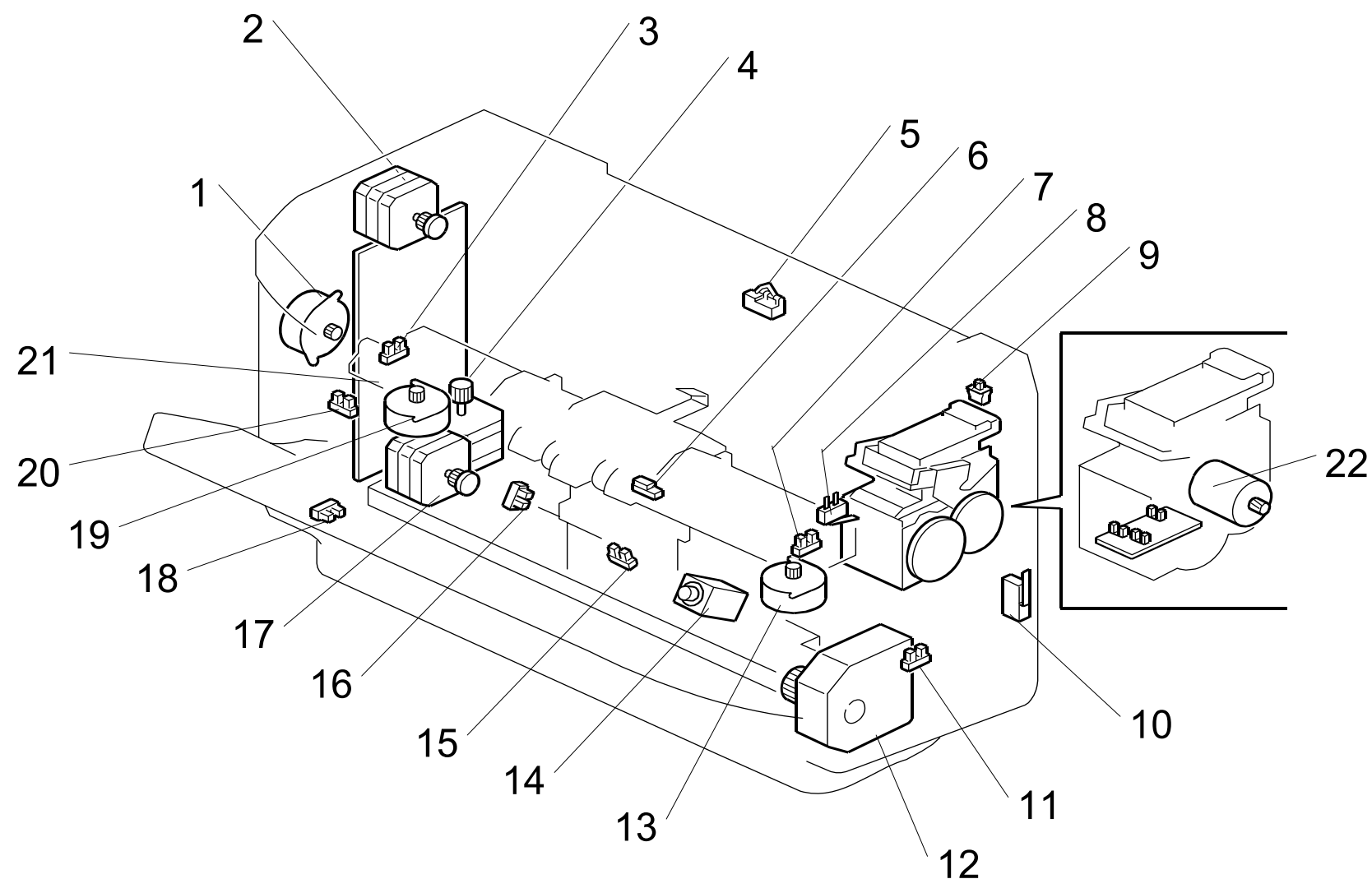
Symbol	Name	Index No.	P to P
Motor			
M1	Interchange	3	A8
Sensor			
S1	Junction Gate Jam	2	A9
Solenoid			
SOL1	Junction Gate	1	A8



SYMBOL TABLE			
[]	Voltage	Ready Low	⬇
A	Analog Signal	Ready High	⬆
→	Signal Direction		

500-Sheet Finisher (D372) POINT TO POINT DIAGRAM

500-Sheet Finisher (D372) ELECTRICAL COMPONENT LAYOUT



Symbol	Name	Index No.	P to P
Motors			
M1	Transport Motor	2	A8
M2	Positioning Roller Motor	1	A8
M3	Stapler Movement Motor	4	B8
M4	Tray Lift Motor	12	C8
M5	Rear Fence Motor	19	C8
M6	Front Fence Motor	13	D8
M7	Feed-Out Belt Motor	17	D8
M8	Stapler Motor	22	E8
Sensors			
S1	Front Fence HP Sensor	7	C2
S2	Stapler Tray Paper	6	C2
S3	Feed-Out Belt HP	15	C2
S4	Rear Fence HP Sensor	3	C2
S5	Paper Height Sensor	16	D2
S6	Positioning Roller HP Sensor	20	D2
S7	Output Tray Full Sensor	18	D2
S8	Stapler HP Sensor	11	D2
S9	Entrance Sensor	5	E2

Symbol	Name	Index No.	P to P
Switches			
SW1	Stapler Door Switch	10	E2
SW2	Tray Upper Limit Switch	8	E2
SW3	Top Cover Switch	9	E2
Solenoid			
SOL1	Stack Depressor	14	C8
PCB			
PCB1	Main Board	21	F5