D023/D025 POINT TO POINT DIAGRAM (1/2)

Key card: coin rack (Serial)

Counter Interface Board (Option) (PCB1)

Key card:coin rack (parallel)

ID Sensors

to BICU

IOB to (BICU) CN225 to (CN111)

SIO to CN310

BICU to CN110

PSU-fdu

Finisher

500-sheet Finisher D372 or 1000-sheet Finisher B793 or 1000-sheet Finisher B408

Toner Supply Unit

RFID (PCB5)

Tray Heater H1

Tray Heater H2

Anti-condensation Heater H3

Tray Heater switch

Main SW SW6

Interlock SW SW7

AC IN

Fuse List

PSU (PCB6)

PSU Fan 1 PSU Fan 2

PTU

One-tray PTU D387

Caster table B827

Two-tray PTU D351

Tandem LCT D352

200-sheet LCT D353

PSU control

IOB Power source

Drive Unit Fan

ITB Unit Drive Motor

Fusing/Paper Exit Motor

Fusing Unit

Thermopile

Thermostat

Fusing fan

Second Duct fan

Paper Exit fan

Third Duct fan

Ventilation Fan: Front

Ventilation Fan: Rear

PCU

To HVPS:C/B

IOB (PCB4)

HVPS: TTS (PCB2)

HVPS: C/B (PCB3)

To PCU

Temperature/Humidity sensor

ITB Contact motor

PTR Contact motor

ITB Rotatin Sensor

ITB unit

ID Sensor Shutter solenoid

Toner Transport motor

1 bin tray B839

Mechanical counter:Bk

Mechanical counter:Fc

Key counter

Shift tray unit D388

or

Bridge unit D386

Duplex/By-pass Unit

Paper Tray (Main)

Drum Motor:C

Drum Motor:Y

Drum Motor:K

Drum Motor:M

Development clutch:K

Development clutch:M

Development clutch:C

Development clutch:Y

To L2 lens positioning motor in laser optics housing unit

Toner Bottle clutch:K

Toner Bottle clutch:M

Toner Bottle clutch:C

Toner Bottle clutch:Y

Toner supply clutch: K

Toner supply clutch: M

Toner supply clutch: C

Toner supply clutch: Y

Toner Exit sensor:K

Toner end sensor:Y

Toner end sensor:C

Toner end sensor:M

Drum gear position sensor:K

Drum gear position sensor:M

Drum gear position sensor:C

Drum gear position sensor:Y

DC Line
Pulse Signal
Signal Direction
Active High
Active Low
Voltage

D023/D025 POINT TO POINT DIAGRAM (2/2)

BICU to (SIO)CN101 to (CN311)

No.	Signal Name
A1	GND
A2	XSFGATE
A3	GND
A4	SYDO_SBU
A5	SYCLK_SBU
A6	TA2-
A7	TB2-
A8	TC2-
A9	LVDSCK2-
A10	GND
A11	TB1-
A12	TC1-
A13	GND
A14	GND
A15	XCN_SBU
B1	GND
B2	GND
B3	GND
B4	TC1+
B5	TB1+
B6	GND
B7	LVDSCK2+
B8	TC2+
B9	TB2+
B10	TA2+
B11	XSYCS_SBU
B12	SYDI_SBU
B13	XSHGATE
B14	XSLSYNC
B15	GND

BICU to (SBU)CN103 to (CN300)

No.	Signal Name
A1	GND
A2	XSFGATE
A3	GND
A4	SYDO_SBU
A5	SYCLK_SBU
A6	TA2-
A7	TB2-
A8	TC2-
A9	LVDSCK2-
A10	GND
A11	TB1-
A12	TC1-
A13	GND
A14	GND
A15	XCN_SBU
B1	GND
B2	GND
B3	GND
B4	TC1+
B5	TB1+
B6	GND
B7	LVDSCK2+
B8	TC2+
B9	TB2+
B10	TA2+
B11	XSYCS_SBU
B12	SYDI_SBU
B13	XSHGATE
B14	XSLSYNC
B15	GND

BICU to (ICIB3) CN106

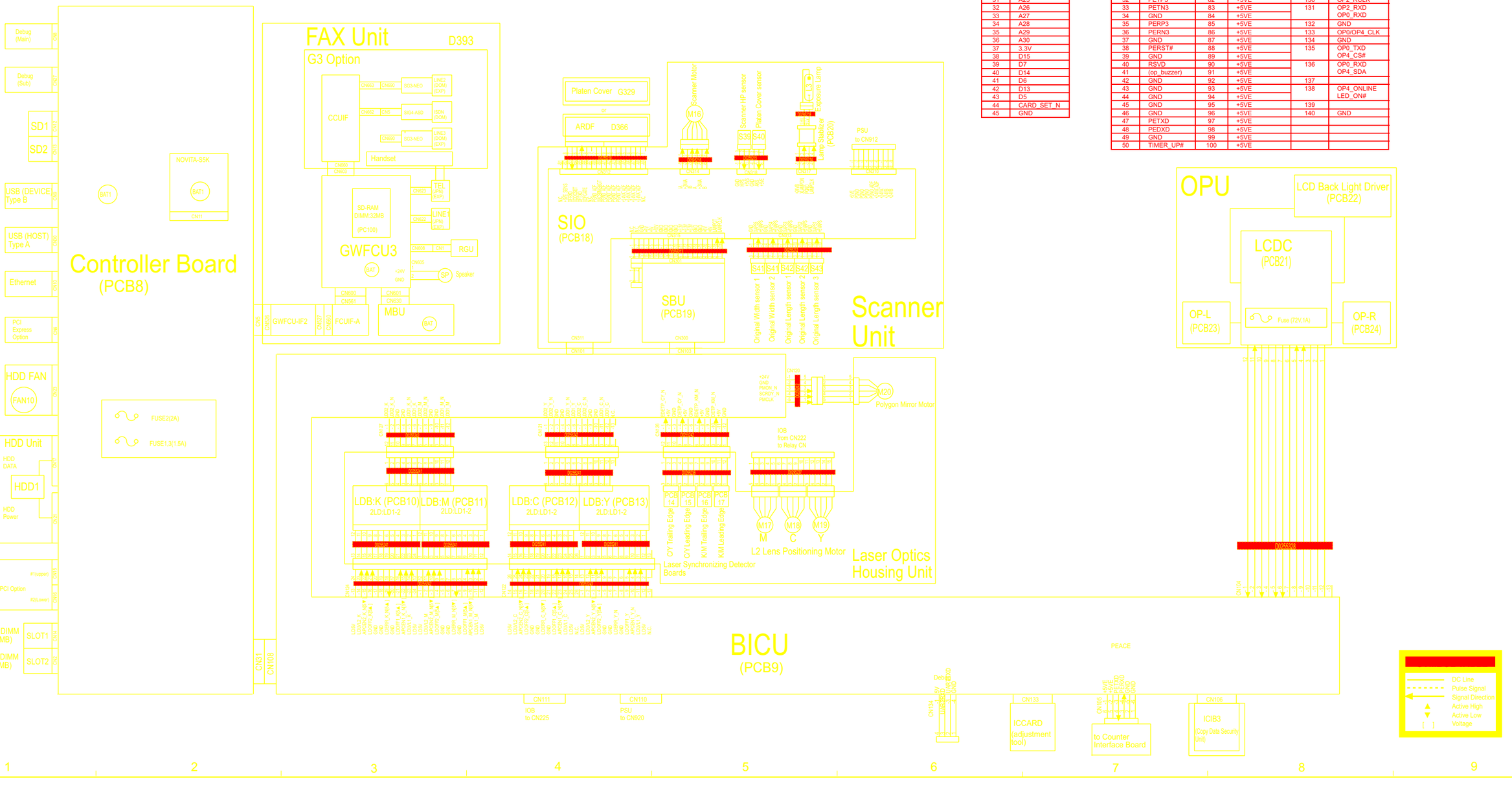
No.	Signal Name	No.	Signal Name
1	GND	31	5V
2	A29	32	5V
3	ICIB_CS_N	33	5V
4	ICIB_RD_N	34	GND
5	SYCLK_SBU	35	GND
6	D7	36	CNICIB_N
7	D5	37	ICIB_FGATE_N
8	D3	38	ICIB_LSYNC_N
9	D1	39	ICIB_CLK
10	GND	40	DO_G0
11	ICIB_INT	41	DO_G2
12	GND	42	GND
13	N.C	43	DO_G5
14	N.C	44	DO_G7
15	N.C	45	N.C
16	N.C	46	N.C
17	GND	47	GND
18	DO_G6	48	N.C
19	DO_G4	49	N.C
20	DO_G3	50	P.D
21	DO_G1	51	P.D
22	GND	52	ICIB_RST0_N
23	GND	53	D0
24	GND	54	D2
25	P.U	55	D4
26	GND	56	D6
27	GND	57	GND
28	GND	58	ICIB_WR_N
29	5V	59	GND
30	5V	60	A30

BICU to (ICCARD)CN133

No.	Signal Name
1	GND
2	D12
3	SWAP_N
4	D11
5	D4
6	D10
7	D3
8	D9
9	D2
10	D8
11	D1
12	D0
13	A21
14	GND
15	CARD_CS_N
16	A20
17	A22
18	A23
19	A14
20	A18
21	A13
22	A17
23	A12
24	A10
25	A11
26	5V
27	A15
28	A16
29	A19
30	A24
31	A25
32	A26
33	A27
34	A28
35	A29
36	A30
37	3.3V
38	D15
39	D7
40	D14
41	D6
42	D13
43	D5
44	CARD_SET_N
45	GND

BICU to (Controller) CN108 to (CN31)

No.	Signal Name	No.	Signal Name	No.	Signal Name
1	+24V	51	ENG_ENABLE#	101	+5VE
2	space(NC)	52	GND	102	+5VE
3	GND	53	PONSENS#	103	+5VE
4	GND	54	ENGRDY1#	104	+5VE
5	RSVD	55	GND	105	+5VE
6	WAKE#(NC)	56	PW_SW#	106	+5VE
7	GND	57	WKUP_L#	107	space(NC)
8	REFCLK1+	58	WKUP_E	108	GND
9	REFCLK1-	59	VDET_EPCI	109	GND
10	GND	60	PONENG#	110	GND
11	REFCLK0+	61	GND	111	space(NC)
12	REFCLK0-	62	PONPCI#	112	+12V
13	GND	63	PSAVE_FCU	113	+12V
14	PETP0	64	GND	114	+12V
15	PETN0	65	USB 0D+	115	+12V
16	GND	66	USB 0D-	116	+12V
17	PERP0	67	GND	117	+12V
18	PERN0	68	USB 1D+	118	+12V
19	GND	69	USB 1D-	119	+12V
20	PETP1	70	GND	120	+12V
21	PETN1	71	+5V	121	+12V
22	GND	72	space(NC)	122	+12V
23	PERP1	73	GND	123	+12V
24	PERN1	74	GND	124	+12V
25	GND	75	GND	125	space(NC)
26	PETP2	76	GND	126	GND
27	PETN2	77	GND	127	OP2_TCLK
28	GND	78	space(NC)		OP0_CLK
29	PERP2	79	+5VE	128	OP2_TXD
30	PERN2	80	+5VE		OP0_TXD
31	GND	81	+5VE	129	OP2_REQ
32	PETP3	82	+5VE	130	OP2_RCLK
33	PETN3	83	+5VE	131	OP2_RXD
34	GND	84	+5VE		OP0_RXD
35	PERP3	85	+5VE	132	GND
36	PERN3	86	+5VE	133	OP0/OP4_CLK
37	GND	87	+5VE	134	GND
38	PERST#	88	+5VE	135	OP0_TXD
39	GND	89	+5VE		OP4_CS#
40	RSVD	90	+5VE	136	OP0_RXD
41	(op_buzzer)	91	+5VE		OP4_SDA
42	GND	92	+5VE	137	
43	GND	93	+5VE	138	OP4_ONLINE
44	GND	94	+5VE		LED_ON#
45	GND	95	+5VE	139	
46	GND	96	+5VE	140	GND
47	PETXD	97	+5VE		
48	PEDXD	98	+5VE		
49	GND	99	+5VE		
50	TIMER_UP#	100	+5VE		



D023/D025 ELECTRICAL COMPONENT LAYOUT (1/2)

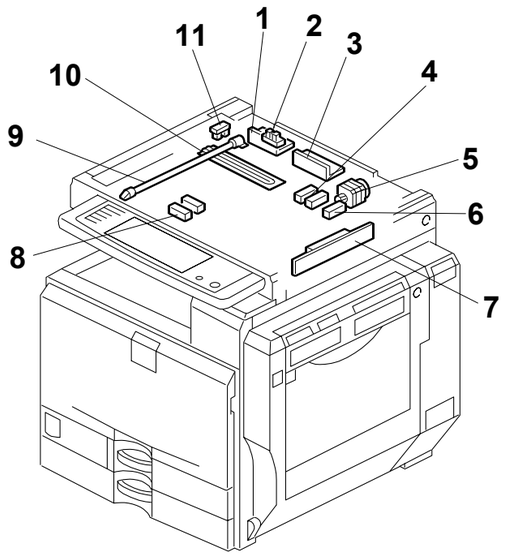
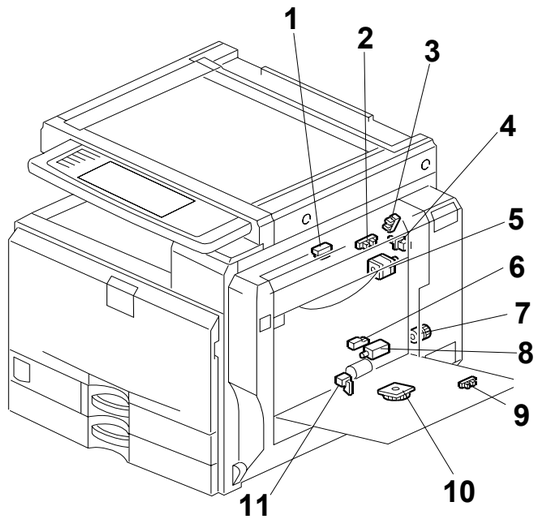


Fig-1 d027v101



d027v102 Fig-2

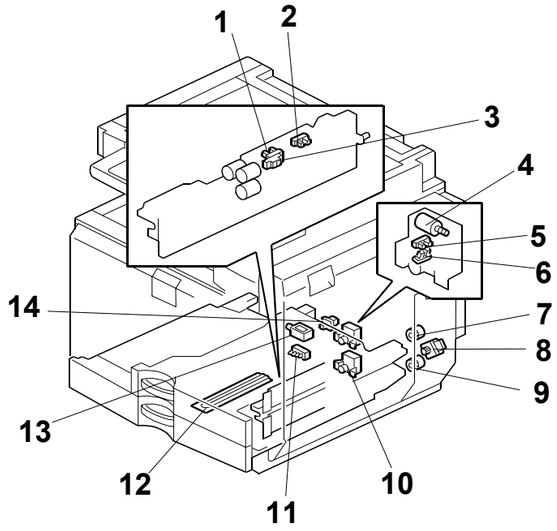
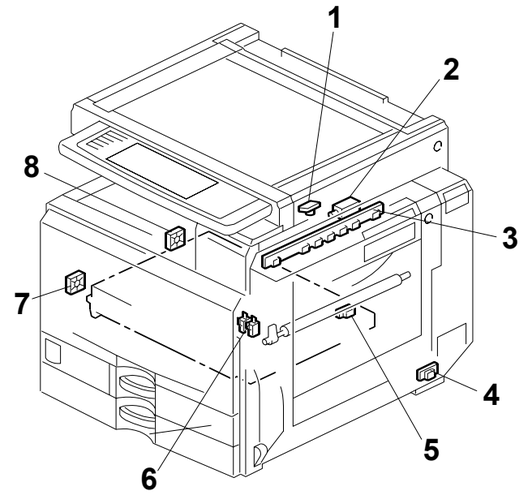


Fig-3 b230v103



d025V104 Fig-4

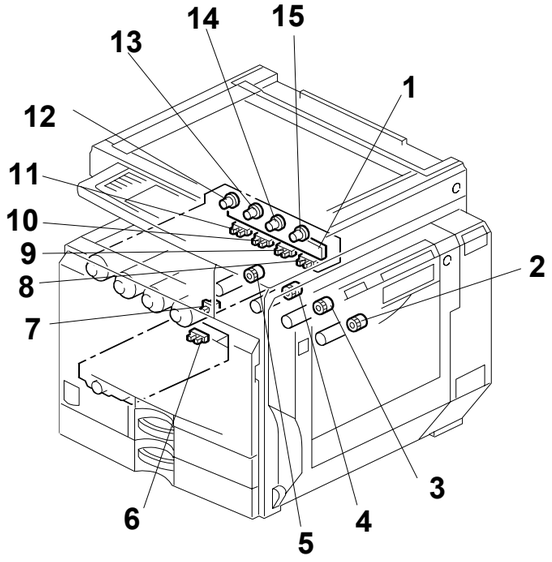


Fig-5 B222V105

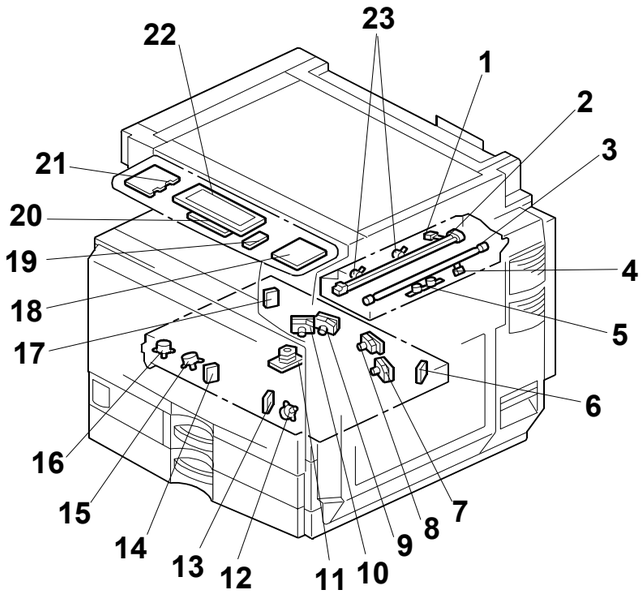


Fig-6 B230V106

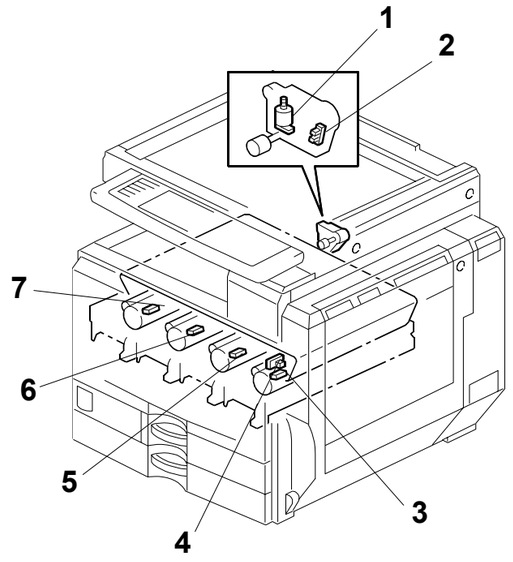
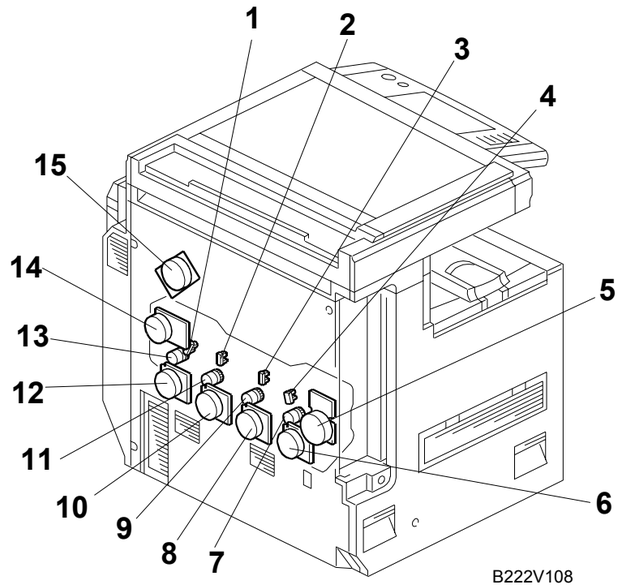


Fig-7 B222V107



B222V108 Fig-8

D023/D025 ELECTRICAL COMPONENT LAYOUT (2/2)

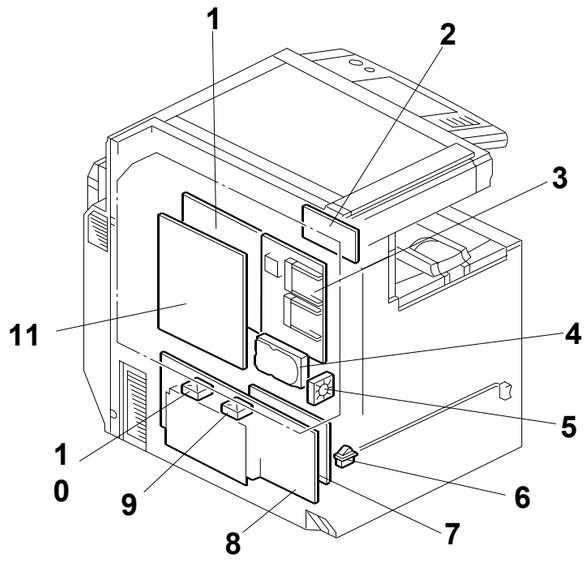


Fig-9 d027v109

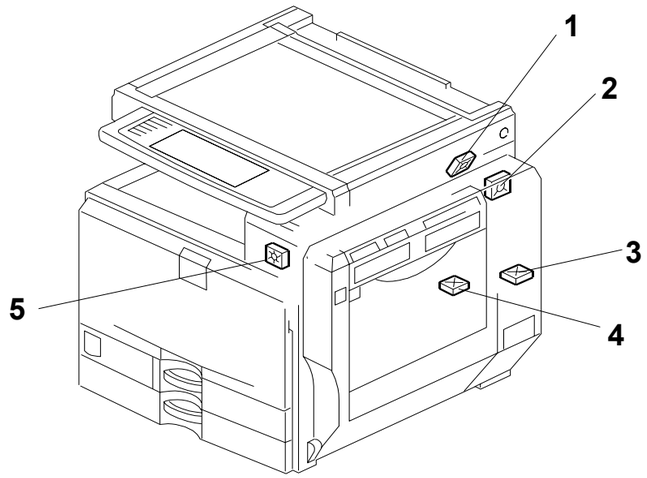


Fig-10 d025V110

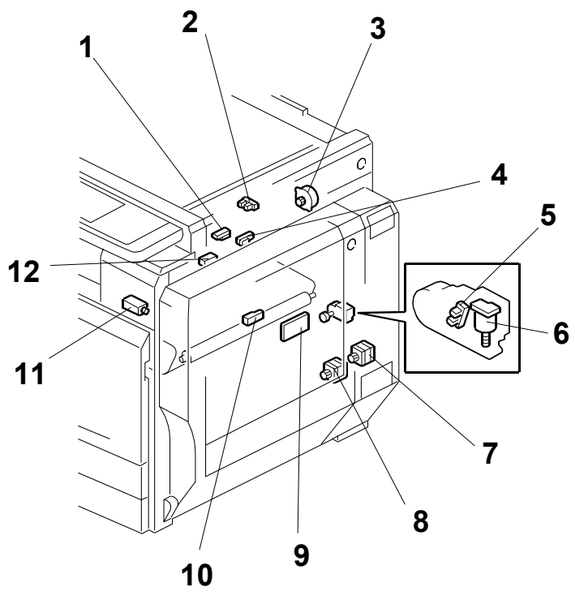


Fig-11 d027v111

Symbol	Index No.	Description	P to P	Page
PCBs				
PCB1	-	Counter Interface Board	A2	1/2
PCB2	9-2	HVPS: TTS	D3	1/2
PCB3	9-7	HVPS: C/B	D3	1/2
PCB4	9-11	IOB	E8	1/2
PCB5	5-1	RFID	A8	1/2
PCB6	9-8	PSU	B6	1/2
PCB7	11-9	HVPS - Discharge Plate	F3	1/2
PCB8	9-3	Controller Board	D2	1/2
PCB9	9-1	BICU	F5	1/2
PCB10	6-7	LDB: K	E3	1/2
PCB11	6-8	LDB: M	E3	1/2
PCB12	6-9	LDB: C	E4	1/2
PCB13	6-10	LDB: Y	E4	1/2
PCB14	6-17	Laser Synchronizing Detector Board-YC-TE	E5	1/2
PCB15	6-14	Laser Synchronizing Detector Board-YC-LE	E5	1/2
PCB16	6-13	Laser Synchronizing Detector Board-MK-TE	E5	1/2
PCB17	6-6	Laser Synchronizing Detector Board-MK-LE	E5	1/2
PCB18	1-3	SIO	D4	1/2
PCB19	1-7	SBU	D5	1/2
PCB20	1-1	Lamp Stabilizer	C5	1/2
PCB21	6-20	LCDC	C8	1/2
PCB22	6-22	LCD Back Light Driver	C9	1/2
PCB23	6-21	OPU-L	C8	1/2
PCB24	6-19	OPU-R	C8	1/2
Heaters				
H1	3-12	Tray Heater (Option)	A4	
H2	3-12	Tray Heater (Option for PTU)	A4	
H3	1-10	Anti-condensation Heater (Option)	B4	

Symbol	Index No.	Description	P to P	Page
Sensors				
S1	4-3	ID Sensors	B1	1/2
S2	11-4	Junction Paper Jam	C1	1/2
S3	11-1	Paper Exit	C1	1/2
S4	11-12	Fusing Exit	C1	1/2
S5	11-2	Paper Overflow	C1	1/2
S6	2-1	Duplex Entrance	F2	1/2
S7	2-6	Duplex Exit	F2	1/2
S8	11-10	Fusing Entrance	F3	1/2
S9	2-2	Duplex Door	F3	1/2
S10	2-9	By-pass Paper Length Sensor	F3	1/2
S11	2-10	By-pass Paper Size	F3	1/2
S12	4-5	Registration	F6	1/2
S13	5-6	Waste Toner	F6	1/2
S14	3-5	Tray1 Paper Height Sensor1	F6	1/2
S15	3-6	Tray1 Paper Height Sensor2	F6	1/2
S16	3-5	Tray2 Paper Height Sensor1	F6	1/2
S17	3-6	Tray2 Paper Height Sensor2	F6	1/2
S18	3-3	Tray1 Vertical Transport	F7	1/2
S19	3-1	Tray1 Paper End	F7	1/2
S20	3-2	Tray1 Paper Lift	F7	1/2
S21	3-3	Tray2 Vertical Transport	F7	1/2
S22	3-1	Tray2 Paper End	F7	1/2
S23	3-2	Tray2 Paper Lift	F7	1/2
S24	5-11	Toner End Sensor:K	A9	1/2
S25	5-10	Toner End Sensor:Y	B9	1/2
S26	5-8	Toner End Sensor:C	B9	1/2
S27	5-9	Toner End Sensor:M	B9	1/2
S28	8-1	Drum Gear Position Sensor:K	C9	1/2
S29	8-2	Drum Gear Position Sensor:M	C9	1/2
S30	8-3	Drum Gear Position Sensor:C	C9	1/2
S31	8-4	Drum Gear Position Sensor:Y	C9	1/2
S32	7-4	ITB Rotation	C3	1/2
S33	4-4	Temperature/Humidity	E3	1/2
S34	4-1	Thermopile	D4	1/2
S35	7-3	TD Sensor:K	D7	1/2
S36	7-5	TD Sensor:M	D7	1/2
S37	7-6	TD Sensor:C	E7	1/2
S38	7-7	TD Sensor:Y	E7	1/2
S39	1-11	Scanner H.P	C5	2/2
S40	1-2	Platen Cover	C5	2/2
S41	1-8	Original Width Sensor1,2	D5	2/2
S42	1-4	Original Length Sensor1,2	D6	2/2
S43	1-6	Original Length Sensor3	D6	2/2
FANs				
FAN1	10-4	Third Duct	E4	1/2
FAN2	4-7	Ventilation Fan - Front	D4	1/2
FAN3	4-8	Ventilation Fan - Rear	D4	1/2
FAN4	10-2	Fusing	E4	1/2
FAN5	10-1	Second Duct	E4	1/2
FAN6	10-5	Paper Exit	E4	1/2
FAN7	10-3	Drive Unit	C7	1/2
FAN8	9-10	PSU FAN1	C6	1/2
FAN9	9-9	PSU FAN2	C6	1/2
FAN10	9-5	HDD	D2	2/2
Others				
TS1	6-5	Thermostat - Pressure Roller	D5	1/2
TS2	6-23	Thermostat - Heating Roller	C5	1/2
TH1	6-4	Thermistor - Pressure Roller	D5	1/2
TH2	6-1	Thermistor - Heating Roller	D5	1/2
HDD1	9-4	HDD	E1	2/2

Symbol	Index No.	Description	P to P	Page
Motors				
M1	2-5	Duplex Inverter	F2	1/2
M2	11-7	Duplex/By-pass	F5	1/2
M3	11-8	Registration	F5	1/2
M4	3-8	Paper Feed	F5	1/2
M5	3-4	Tray1 Lift	F6	1/2
M6	3-10	Tray2 Lift	F6	1/2
M7	8-14	ITB Unit Drive	B8	1/2
M8	8-15	Fusing/Paper Exit	B8	1/2
M9	8-8	Drum/Development Motor:C	D8	1/2
M10	8-6	Drum/Development Motor:Y	D8	1/2
M11	8-12	Drum/Development Motor:K	E8	1/2
M12	8-10	Drum/Development Motor:M	E8	1/2
M13	7-1	ITB Contact	B3	1/2
M14	11-6	PTR Contact	C3	1/2
M15	8-5	Toner Transport	C3	1/2
M16	1-5	Scanner Drive	C5	2/2
M17	6-12	L2 lens positioning motor:M	E5	2/2
M18	6-15	L2 lens positioning motor:C	E5	2/2
M19	6-16	L2 lens positioning motor:Y	E5	2/2
M20	6-11	Polygon Mirror	D6	2/2
Clutches				
MC1	2-7	By-pass Feed	F3	1/2
MC2	3-7	Tray1 Paper Feed	F4	1/2
MC3	3-9	Tray2 Paper Feed	F4	1/2
MC4	5-2	Toner Supply Clutch:K	A9	1/2
MC5	5-3	Toner Supply Clutch:M	A9	1/2
MC6	5-4	Toner Supply Clutch:C	A9	1/2
MC7	5-5	Toner Supply Clutch:Y	A9	1/2
MC8	5-12	Toner Bottle Clutch - K	A8	1/2
MC9	5-15	Toner Bottle Clutch - M	A8	1/2
MC10	5-14	Toner Bottle Clutch - C	A8	1/2
MC11	5-13	Toner Bottle Clutch - Y	A8	1/2
MC12	8-13	Development Clutch:K	C9	1/2
MC13	8-11	Development Clutch:M	C9	1/2
MC14	8-9	Development Clutch:C	C9	1/2
MC15	8-7	Development Clutch:Y	C9	1/2
Solenoids				
SOL1	11-11	Junction Gate 1 Solenoid	C1	1/2
SOL2	2-8	By-pass Pick-up	F3	1/2
SOL3	3-13	Tray Lock	F6	1/2
SOL4	4-2	ID Sensor Shutter	C3	1/2
Switches				
SW1	2-4	Right Door Open	C1	1/2
SW2	2-11	By-pass Paper detection	F3	1/2
SW3	5-7	Waste Toner Bottle Set	F6	1/2
SW4	3-14	Tray1 Set	F6	1/2
SW5	3-11	Tray2 Paper Size	F6	1/2
SW6	9-6	Main	B5	1/2
SW7	4-6	Interlock	B5	1/2
Lamps				
L1	6-3	Pressure Roller Fusing Lamp	D5	1/2
L2	6-2	Heating Roller Fusing Lamp: Ends	D5	1/2
L2	6-2	Heating Roller Fusing Lamp: Cent	D5	1/2
L3	1-9	Exposure Lamp	C5	2/2

B789/D366 POINT TO POINT DIAGRAM

Main Frame

N.C.	CN201 - 9
+24V IN	〃 - 8
+24V IN	〃 - 7
+24V IN	〃 - 6
+24V IN	〃 - 5
GND1_IN	〃 - 4
GND1_IN	〃 - 3
GND1_IN	〃 - 2
GND1_IN	〃 - 1

ACSMASKGT	CN202 - 8
GND2_IN	〃 - 7
+5VIN	〃 - 6
XDFGATE	〃 - 5
RXD	〃 - 4
ZESM	〃 - 3
TXD	〃 - 2
5VEIN	〃 - 1

T1 F.G.

N.C.	CN100 - 1
[24]+24V	〃 - 2
[24]+24V	〃 - 3
[24]+24V	〃 - 4
[24]+24V	〃 - 5
[0]GND1	〃 - 6
[0]GND1	〃 - 7
[0]GND1	〃 - 8
[0]GND1	〃 - 9

ACSMASKGT	CN101 - 1
[0]GND2	〃 - 2
[5]+5V	〃 - 3
XDFGATE	〃 - 4
RXD	〃 - 5
ZESM	〃 - 6
TXD	〃 - 7
[5]+5VE	〃 - 8

+24V[24]	CN108 - 1
+24V[24]	〃 - 2
GND1[0]	〃 - 3
A[24　0/24]	〃 - 4
AB[24　0/24]	〃 - 5
B[24　0/24]	〃 - 6
BB[24　0/24]	〃 - 7
+24V[24]	〃 - 8
[▼24]	〃 - 9
+24V[24]	〃 -10
[▼24]	〃 -11
[▼24]	〃 -12
GND1[0]	〃 - 8
+24V[24]	〃 - 9

CN314 - 7	CN314 - 1
〃 - 6	〃 - 2
〃 - 5	〃 - 3
〃 - 4	〃 - 4
〃 - 3	〃 - 5
〃 - 2	〃 - 6
〃 - 1	〃 - 7

M1 Transport Motor

CN404 - 2	CN404 - 1
〃 - 1	〃 - 2

(T)	CN315 - 2	CN315 - 1	(W)
(Z)	〃 - 1	〃 - 2	(R)

SOL3 Stamp Solenoid

CN316 - 2	CN316 - 1	(C)
〃 - 1	〃 - 2	(C)

CL1 Feed Clutch

CN317 - 3
〃 - 2
〃 - 1

SOL1 Pick-up Solenoid

Original Width Sensor - S — S1

CN300 - 3
〃 - 2
〃 - 1

Original Width Sensor - M — S2

CN301 - 3
〃 - 2
〃 - 1

Original Width Sensor - L — S3

CN302 - 3
〃 - 2
〃 - 1

Original Width Sensor - LL — S4

CN303 - 3
〃 - 2
〃 - 1

Skew Correction Sensor — S5

CN304 - 3
〃 - 2
〃 - 1

CN400 - 1	CN400 - 17
〃 - 2	〃 - 16
〃 - 3	〃 - 15
〃 - 4	〃 - 14
〃 - 5	〃 - 13
〃 - 6	〃 - 12
〃 - 7	〃 - 11
〃 - 8	〃 - 10
〃 - 9	〃 - 9
〃 -10	〃 - 8
〃 -11	〃 - 7
〃 -12	〃 - 6
〃 - 13	〃 - 5
〃 - 14	〃 - 4
〃 -15	〃 - 3
〃 -16	〃 - 2
〃 -17	〃 - 1

N.C.	CN102 - 1
[0]GND2	〃 - 2
[▼5]	〃 - 3
[5]+5V	〃 - 4
[0]GND2	〃 - 5
[▼5]	〃 - 6
[5]+5V	〃 - 7
[0]GND2	〃 - 8
[▼5]	〃 - 9
[5]+5V	〃 -10
[0]GND2	〃 -11
[▼5]	〃 -12
[5]+5V	〃 - 13
[0]GND2	〃 - 14
[▼5]	〃 -15
[5]+5V	〃 -16
N.C.	〃 -17

+24V[24]	CN107 - 1
+24V[24]	〃 - 2
GND 1 (N.C.)	〃 - 3
A[24　0/24]	〃 - 4
AB[24　0/24]	〃 - 5
B[24　0/24]	〃 - 6
BB[24　0/24]	〃 - 7

(B)
(W)
(T)
(Z)
(R)
(Y)

M2 Feed Motor

Exit Sensor — S6

CN305 - 3
〃 - 2
〃 - 1

Original Set Sensor — S7

CN306 - 3
〃 - 2
〃 - 1

Registration Sensor — S8

CN307 - 3
〃 - 2
〃 - 1

CN401 - 1	CN401 - 3
〃 - 2	〃 - 2
〃 - 3	〃 - 1

CN402 - 1	CN402 - 3
〃 - 2	〃 - 2
〃 - 3	〃 - 1

CN403 - 1	CN403 - 3
〃 - 2	〃 - 2
〃 - 3	〃 - 1

[0]GND2	CN103 - 1
[▼5]	〃 - 2
[5]+5V	〃 - 3
[0]GND2	〃 - 4
[▼5]	〃 - 5
[5]+5V	〃 - 6
[0]GND2	〃 - 7
[▼5]	〃 - 8
[5]+5V	〃 - 9

DF Position Sensor — S9

CN308 - 3
〃 - 2
〃 - 1

Cover Sensor — S10

CN309 - 3
〃 - 2
〃 - 1

[0]GND	CN104 - 1
[▲5]	〃 - 2
[5]+5V	〃 - 3
[0]GND	〃 - 4
[▲5]	〃 - 5
[5]+5V	〃 - 6

+24V[24]	CN106 - 1
[▼24]	〃 - 2

(W)
(W)

SOL2 Inverter Solenoid

GND2[0]	CN105 - 1
[▼5]	〃 - 2
+5V[5]	〃 - 3
GND2[0]	〃 - 4
[▼5]	〃 - 5
+5V[5]	〃 - 6
GND2[0]	〃 - 7
[▼5]	〃 - 8
+5V[5]	〃 - 9
GND2[0]	〃 -10
[▼5]	〃 -11
+5V[5]	〃 -12

CN310 - 3
〃 - 2
〃 - 1

S11 Original Sensor

CN311 - 3
〃 - 2
〃 - 1

S12 Original Length Sensor -L

CN312 - 3
〃 - 2
〃 - 1

S13 Original Length Sensor - M

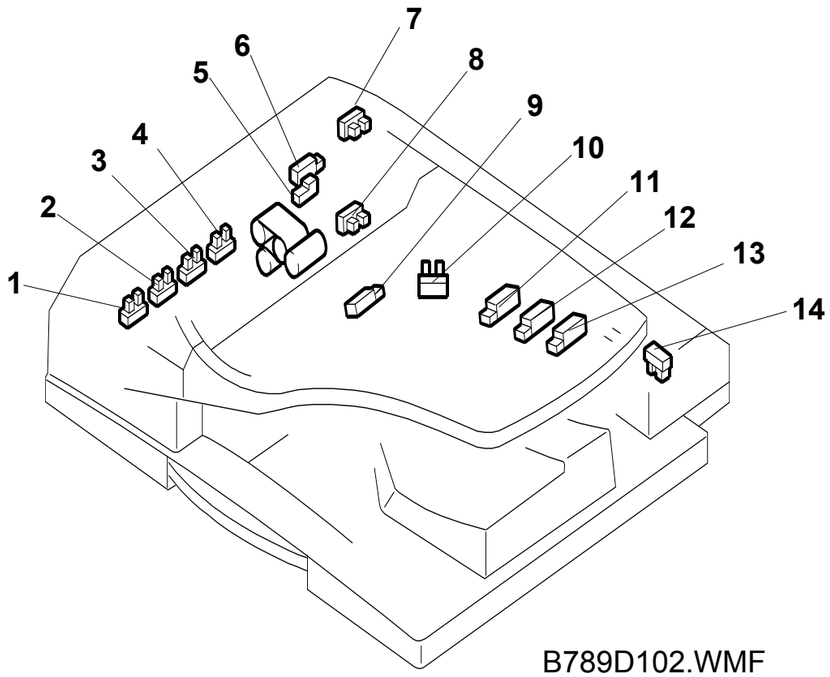
CN313 - 3
〃 - 2
〃 - 1

S14 Original Length Sensor - S

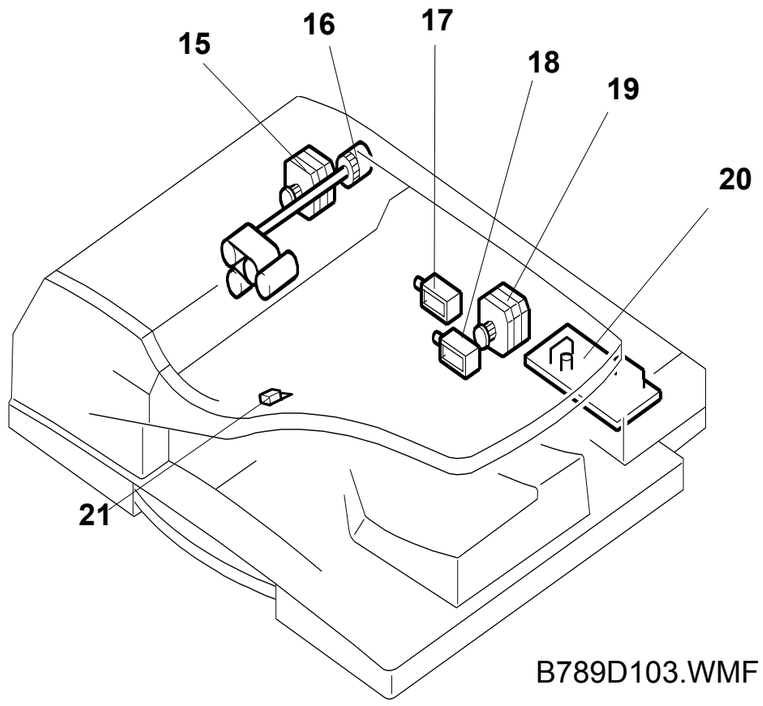
Main Board
PCB1

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

ARDF(B789/D366) ELECTRICAL COMPONENT LAYOUT



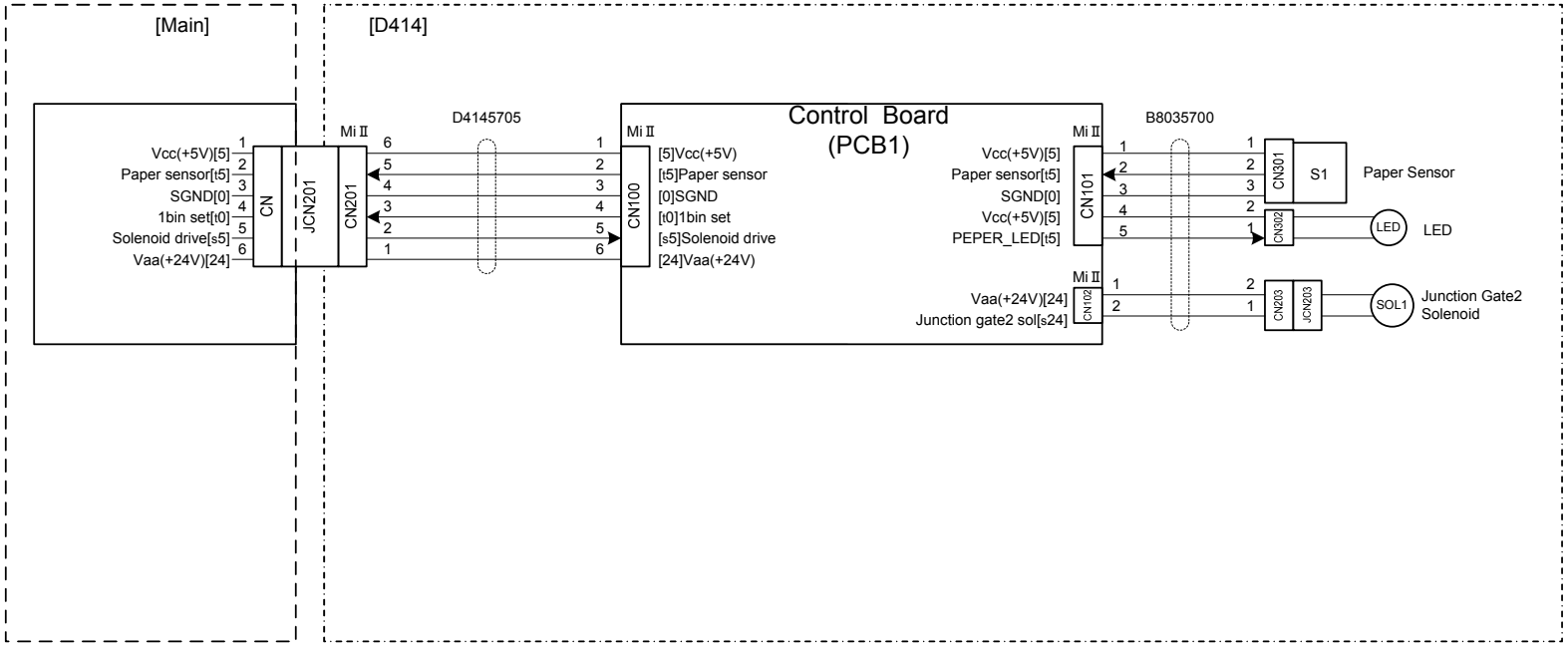
B789D102.WMF



B789D103.WMF

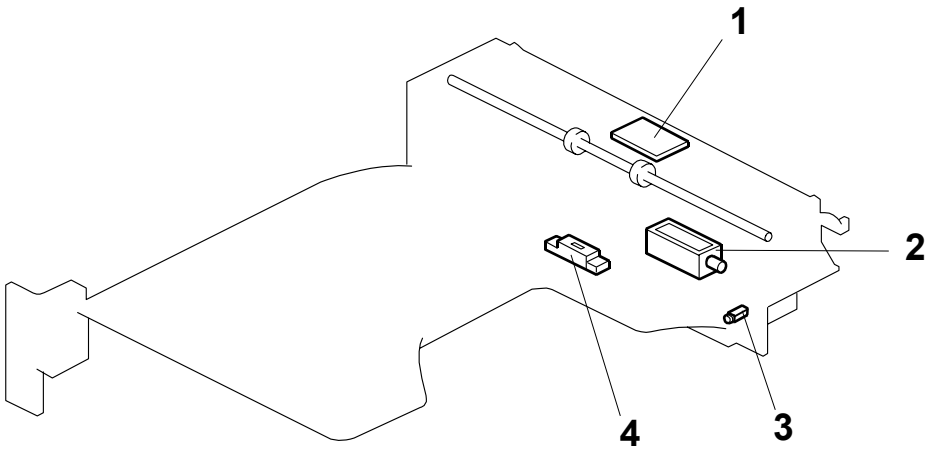
Symbol	Name	Index No.	P-to-P
Motors			
M1	Transport	15	I6
M2	Feed	19	I4
Sensors			
S1	Original Width S	4	A4
S2	Original Width M	3	A4
S3	Original Width L	2	A4
S4	Original Width LL	1	A4
S5	Skew Correction	5	A3
S6	Exit	9	A3
S7	Original Set	8	A3
S8	Registration	6	A2
S9	DF Position	14	A2
S10	Cover	7	A1
S11	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

D414 POINT TO POINT DIAGRAM



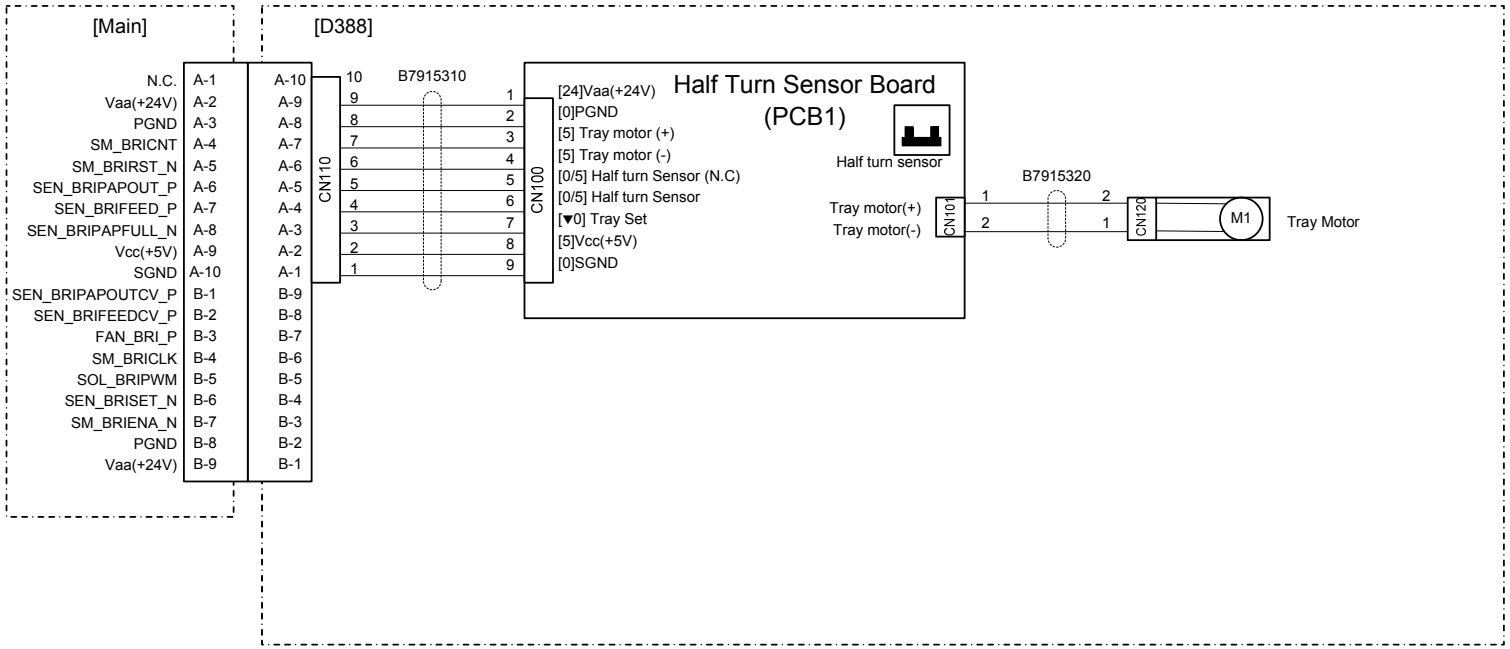
SYMBOL TABLE	
AC LINE	▲ High active
DC LINE	▼ Low active
Pulse	[ ] Voltage
Direction	

D414 ELECTRICAL COMPONENT LAYOUT



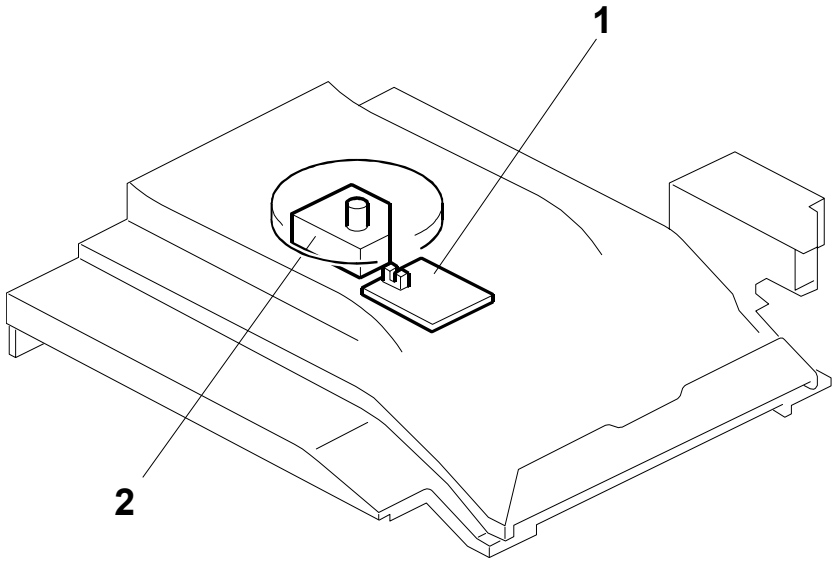
Symbol	Name	Index No.	P-to-P
Sensor			
S1	Paper	4	B5
Solenoid			
SOL1	Junction Gate 2 Solenoid	2	B6
PCB			
PCB1	Main Control Board	1	B4
LED			
LED	LED	3	B6

D388 POINT TO POINT DIAGRAM



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

D388 ELECTRICAL COMPONENT LAYOUT



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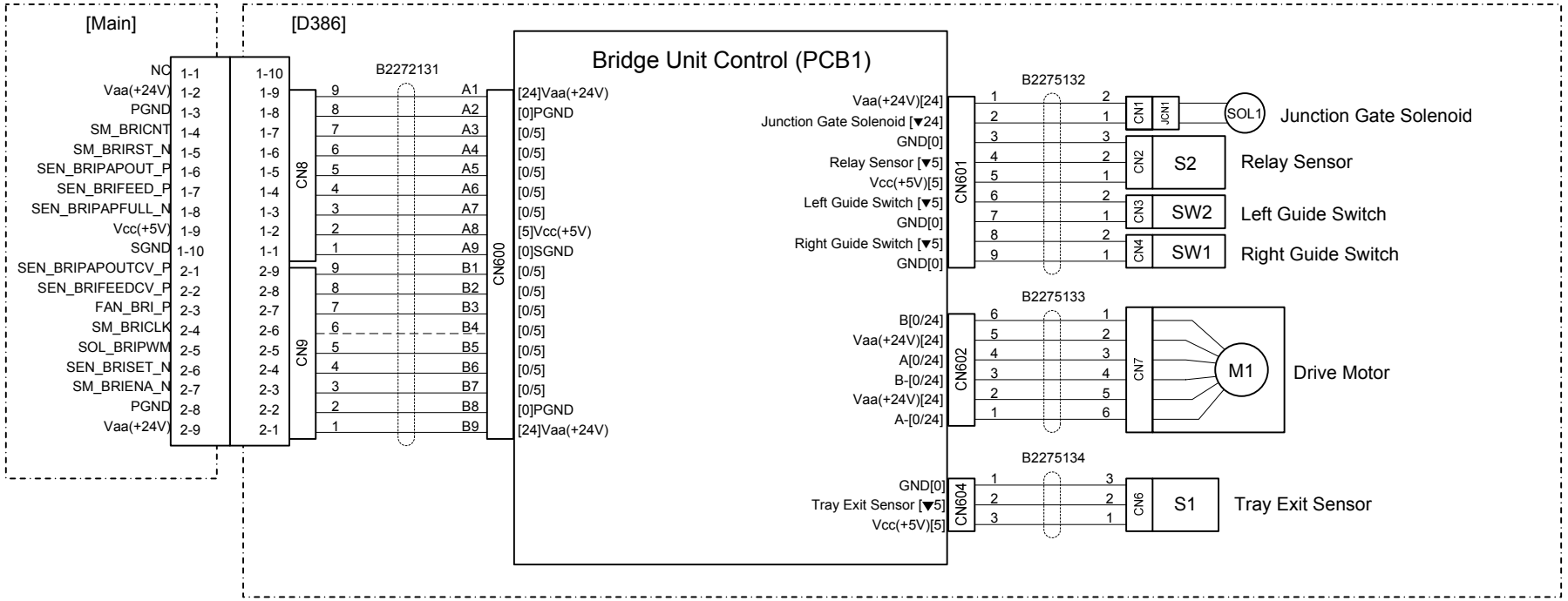
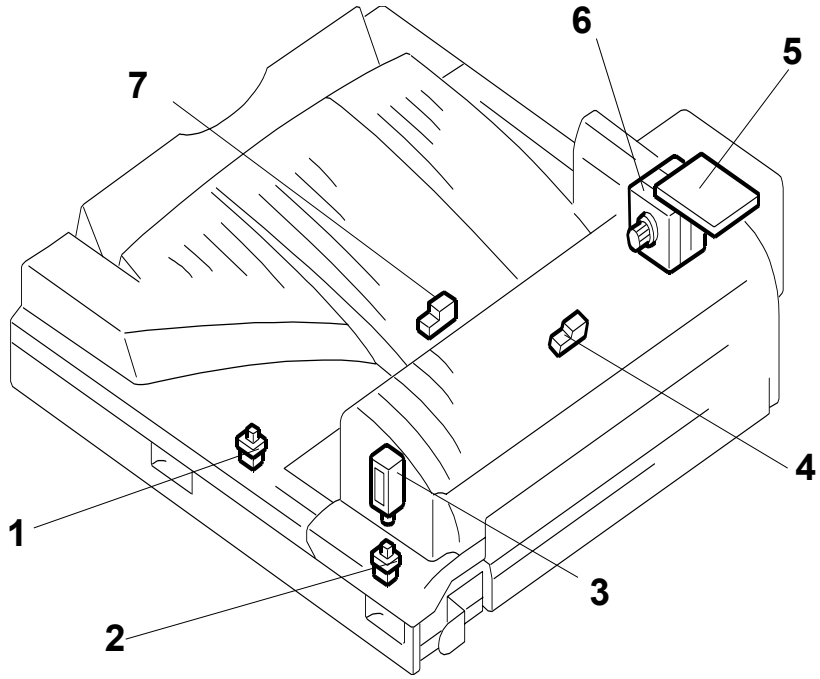
Symbol	Name	Index No.	P-to-P
Motors			
M1	Tray	1	B5
PCBs			
PCB1	Half Turn Sensor	2	B3-B4

D386 POINT TO POINT DIAGRAM



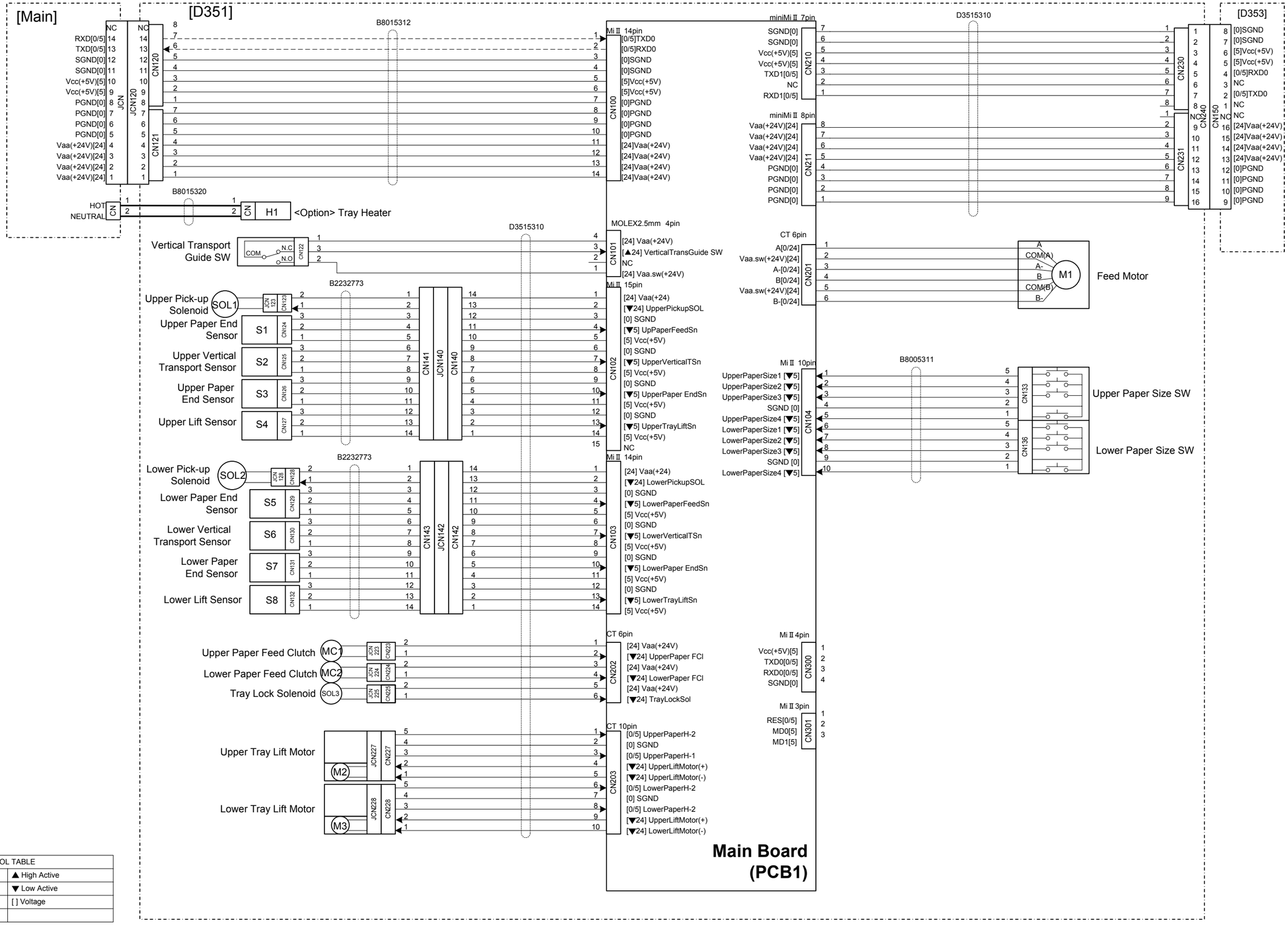
SYMBOL TABLE	
AC LINE	▲ High active
DC LINE	▼ Low active
Pulse	[ ] Voltage
Direction	

D386 ELECTRICAL COMPONENT LAYOUT



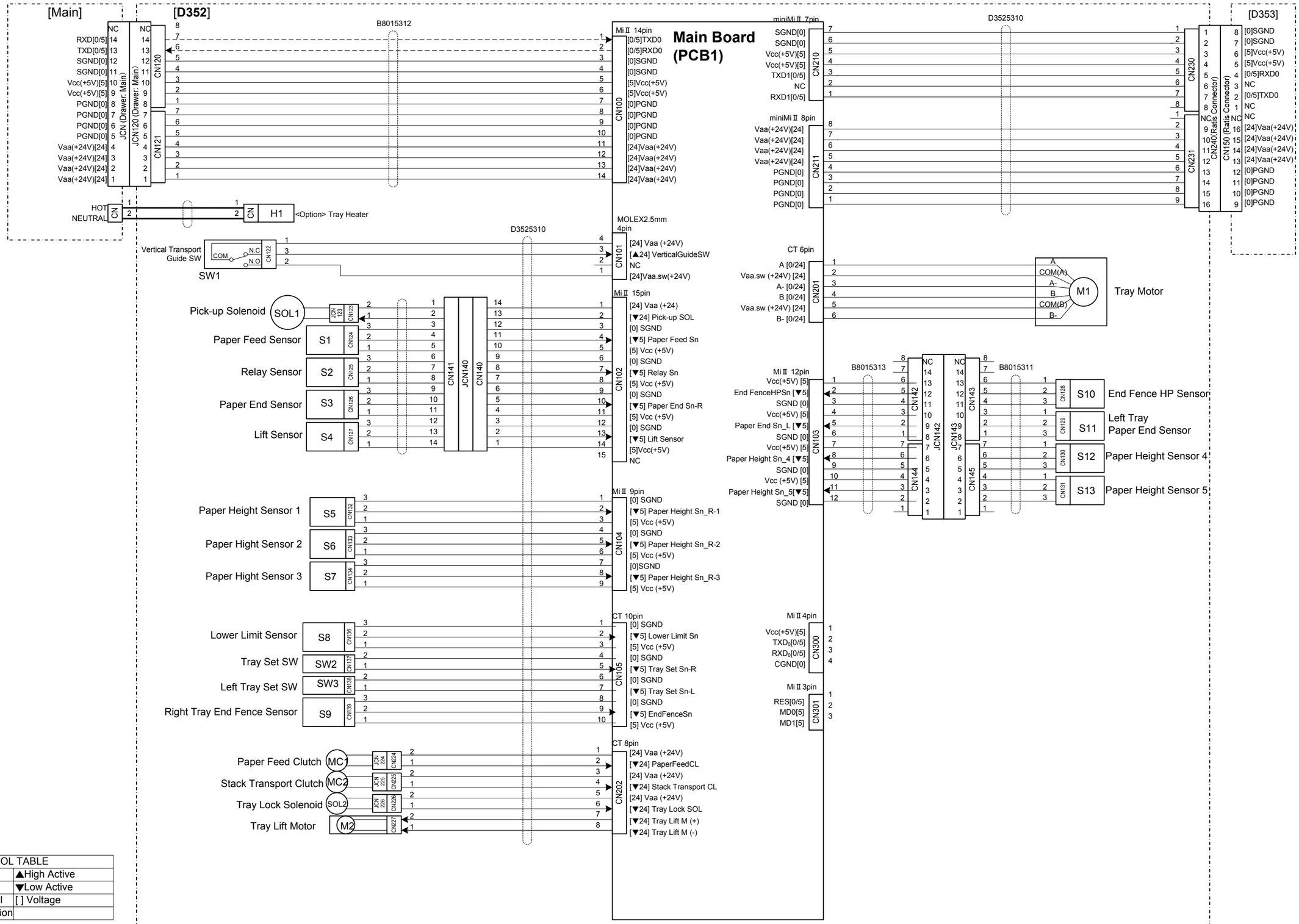
Symbol	Name	Index No.	P-to-P
Motors			
M1	Drive	6	B5
Sensors			
S1	Tray Exit	4	C5
S2	Relay	7	B5
Switches			
SW1	Right Guide	2	B5
SW2	Left Guide	1	B5
PCBs			
PCB1	Bridge Unit Control	5	B3-C4
Magnetic Clutches			
MC1	Junction Gate	3	B5

D351 POINT TO POINT DIAGRAM



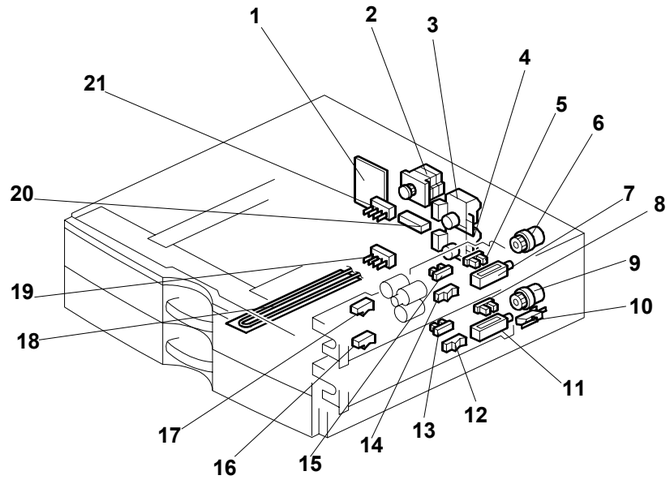
SYMBOL TABLE	
AC LINE	▲ High Active
DC LINE	▼ Low Active
Pulse Signal	[ ] Voltage
Signal Direction	

D352 POINT TO POINT DIAGRAM



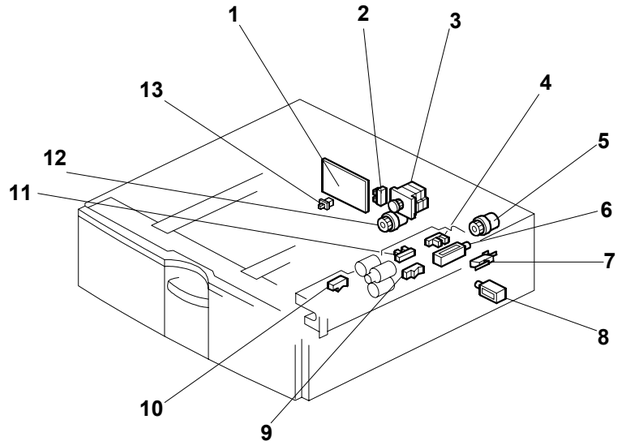
SYMBOL TABLE	
AC LINE	▲High Active
DC LINE	▼Low Active
Pulse Signal	[ ] Voltage
Signal Direction	

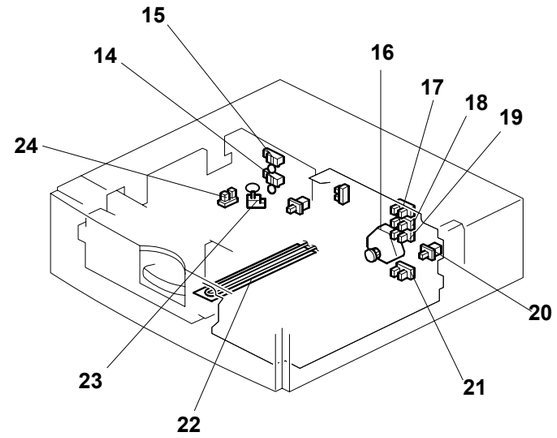
ELECTRICAL COMPONENT LAYOUT (D351)



Symbol	Name	Index No.	P-to-P
Motors			
M1	Feed Motor	2	B7
M2	Upper Tray Lift Motor	3	E3
M3	Lower Tray Lift Motor	4	E3
Sensors			
S1	Upper Paper Feed	17	C2
S2	Upper Vertical Transport 1	14	C2
S3	Upper Paper End	15	C2
S4	Upper Lift	5	C2
S5	Lower Paper Feed	16	D2
S6	Lower Vertical Transport 2	12	D2
S7	Lower Paper End	13	D2
S8	Lower Lift	8	D2
Solenoids			
SOL1	Upper Pick-up	7	C2
SOL2	Lower Pick-up	11	D2
SOL3	Tray Lock	20	E3
Switches			
SW1	Upper Paper Size	21	C7
SW2	Lower Paper Size	19	C7
SW3	Vertical Transport Guide	10	B2
Magnetic Clutches			
MC1	Upper Paper Feed	6	E3
MC2	Lower Paper Feed	9	E3
PCBs			
PCB1	Main Board	1	A5-F5
Others			
H1	Optional Tray Heater	18	B2-3

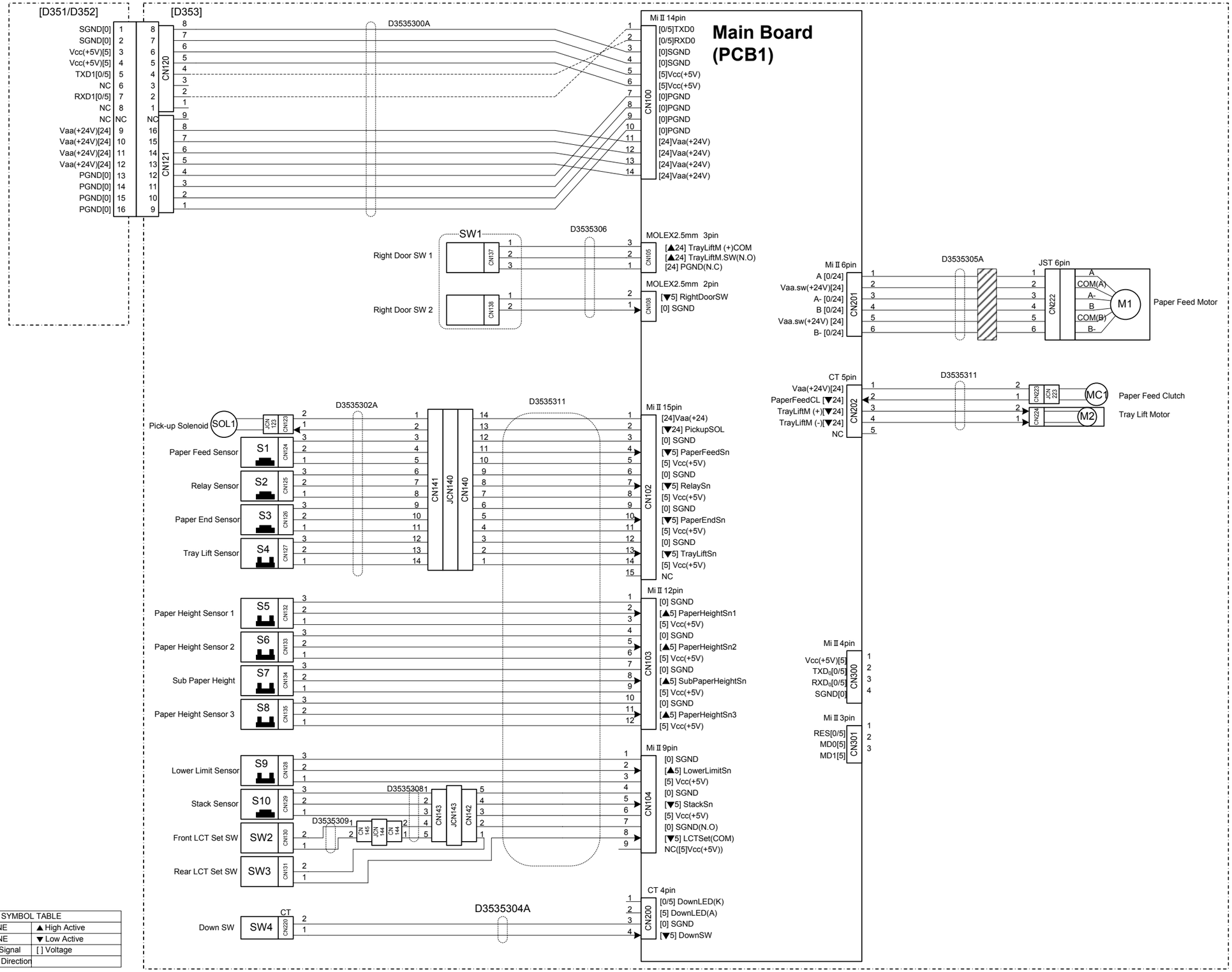
ELECTRICAL COMPONENT LAYOUT (D352)



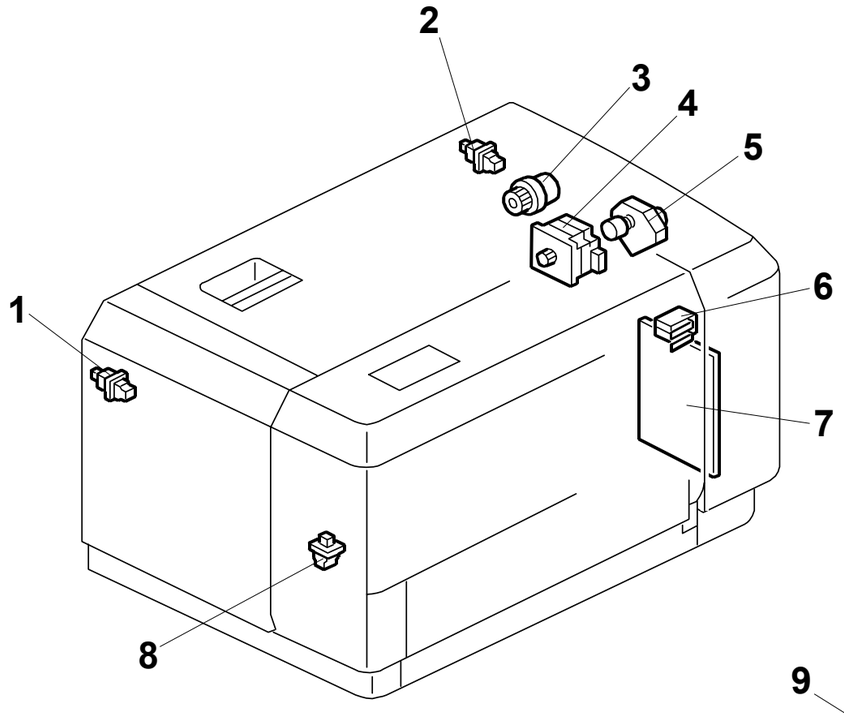


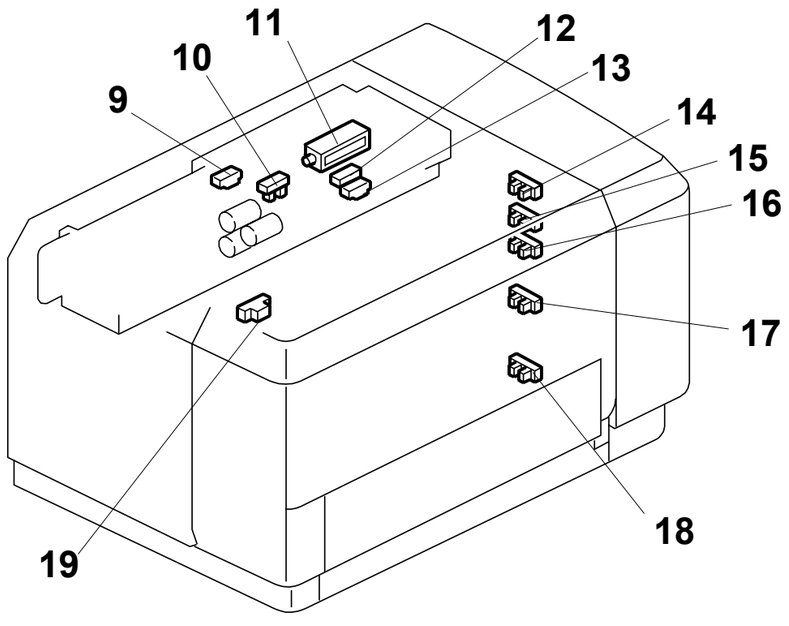
Symbol	Name	Index No.	P-to-P
Motors			
M1	Tray Motor	3	B7
M2	Tray Lift Motor	16	E3
Sensors			
S1	Paper Feed	10	C2
S2	Relay	9	C2
S3	Paper End	11	C2
S4	Lift	4	C2
S5	Paper Height 1	17	D2
S6	Paper Height 2	18	D2
S7	Paper Height 3	19	D2
S8	Lower Limit	21	D2
S9	Right Tray End Fence	2	E2
S10	End Fence HP	24	C7
S11	Left Tray Paper	23	C7
S12	Paper Height 4	15	C7
S13	Paper Height 5	14	D7
Solenoids			
SOL1	Pick-up	6	C2
SOL2	Tray Lock	8	E3
Switches			
SW1	Vertical Guide	7	B2
SW2	Right Tray Set	20	E2
SW3	Left Tray set	13	E2
Magnetic Clutches			
MC1	Paper Feed	5	E3
MC2	Stack Transport	12	E3
PCBs			
PCB1	Main Board	1	A5-F5
Others			
H1	Optional Tray Heater	22	B2-3

LCT 1200 Sheet (D353) POINT TO POINT DIAGRAM



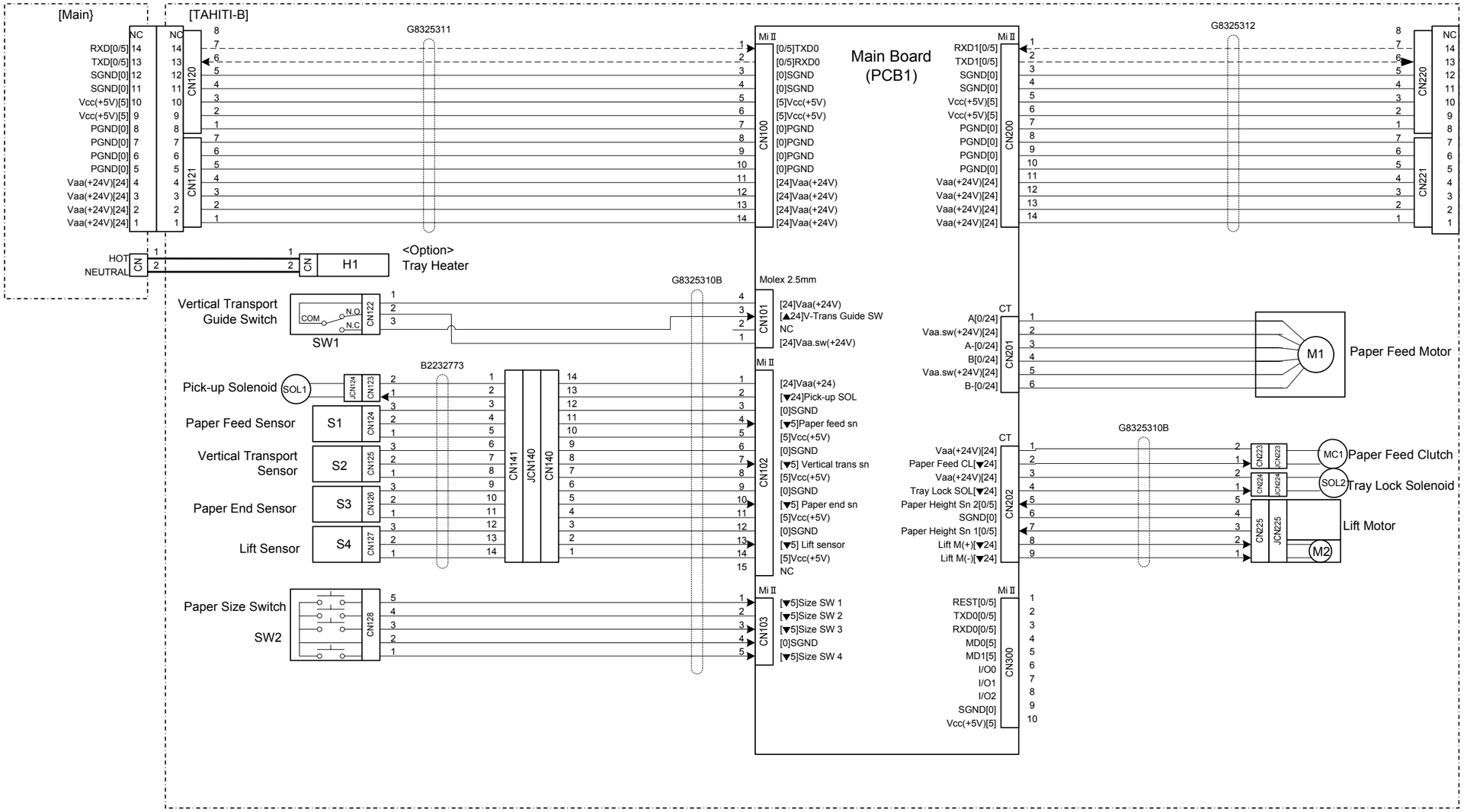
LCT 1200-Sheet (D353) ELECTRICAL COMPONENT LAYOUT





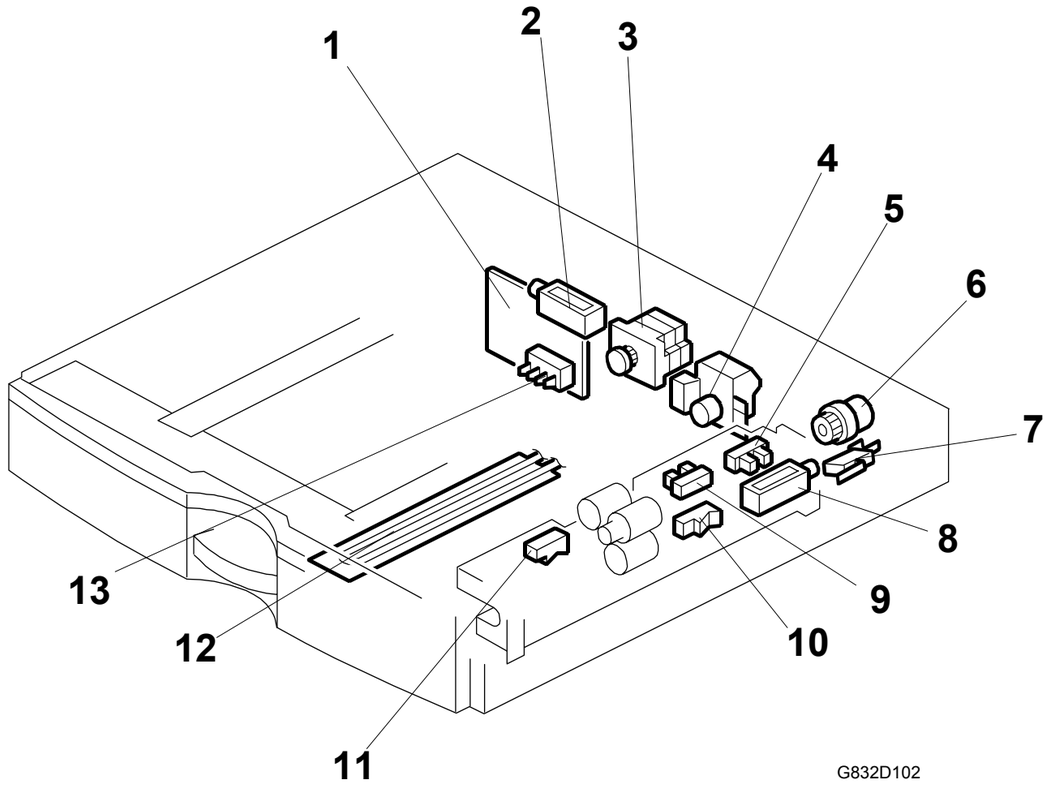
Symbol	Name	Index No.	P-to-P
Motors			
M1	Tray Motor	4	C9
M2	Tray Lift Motor	5	D9
Sensors			
S1	Paper Feed	12	D3
S2	Relay	9	D3
S3	Paper End	13	D3
S4	Tray Lift	10	E3
S5	Paper Height 1	14	E3
S6	Paper Height 2	15	E3
S7	Sub Paper Height	16	E3
S8	Paper Height 3	17	F3
S9	Lower Limit	18	F3
S10	Stack	19	F3
Solenoids			
SOL1	Pick-up	11	D3
Switches			
SW1	Right Door	L-6	C5
SW2	Front LCT Set	L-1	F3
SW3	Rear LCT Set	L-2	G3
SW4	Down	L-8	G3
Magnetic Clutches			
MC1	Paper Feed	11	D9
PCBs			
PCB1	Main	7	A6

D387 POINT TO POINT DIAGRAM



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

D387 ELECTRICAL COMPONENT LAYOUT



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Symbol	Name	Index No.	P-to-P
Motors			
M1	Paper Feed	3	C8
M2	Tray Lift	4	D8
Sensors			
S1	Paper Feed	11	D3
S2	Vertical Transport	10	D3
S3	Paper End	9	D3
S4	Lift	5	D3
Solenoids			
SOL1	Pick-up	8	D2
SOL2	Tray Lock	2	D8
Switches			
SW1	Vertical Transport Guide	7	C3
SW2	Paper Size	13	E2
Magnetic Clutches			
MC1	Paper Feed	6	D8
PCBs			
PCB1	Main Board	1	B6
Others			
H1	Optional Tray Heater	12	C3

B793 Point to Point Diagram

Main Frame

Main Board PCB1

Punch Unit

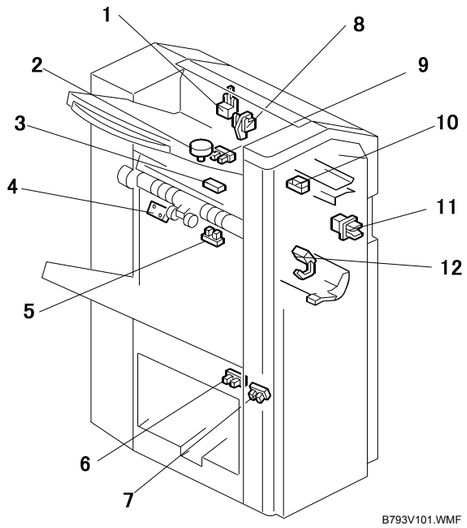
Punch Board

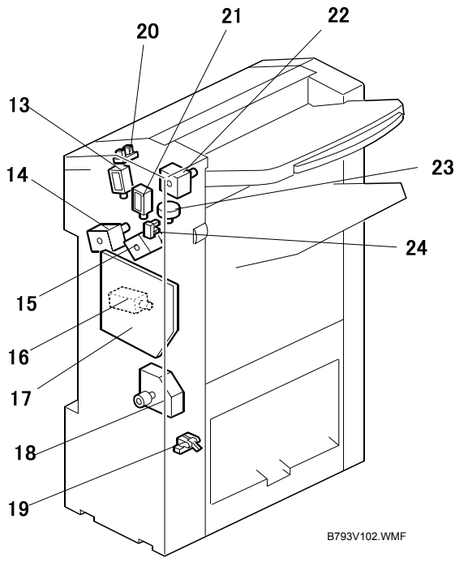
Interface Board

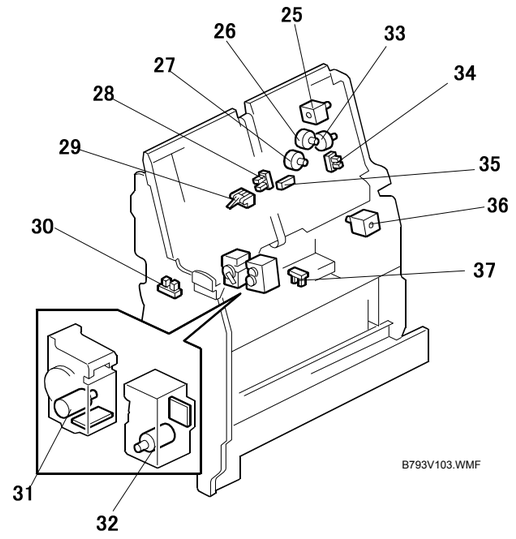
S1 Stapler Safety Sensor
S2 Staple Unit HP Sensor
S3 Stopper S HP Sensor
S4 Stack Feed Out HP Sensor
S5 Jogger HP Sensor
S6 Staple Tray Paper Sensor
S7 Fold Unit Exit Sensor
S8 Lower Clamp Roller HP Sensor
S9 Bottom Fence HP Sensor
S10 Fold Plate HP Sensor
S11 Fold Cam HP Sensor
S12 Fold Unit Entrance 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
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
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
M4 Exit Guide Plate Motor
M5 Upper Transport Motor
M6 Fold Roller Motor
M7 Fold Plate Motor
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
M19 Staple Folder Motor
M20 Staple Driver Motor
SOL1 Proof Tray Gate Solenoid
SOL2 Staple Tray Gate Solenoid
SOL3 Positioning Roller Solenoid
Staple Folder Unit
Staple Driver Unit

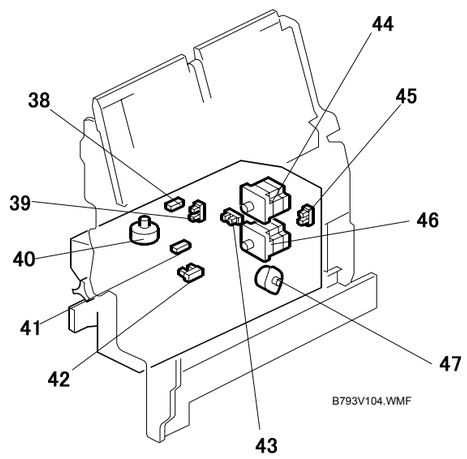
DC Line
Pulse Signal
Signal Direction
Active High
Active Low
Voltage

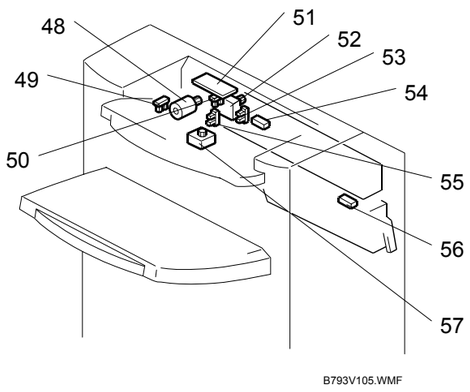
B793 ELECTRICAL COMPONENT LAYOUT





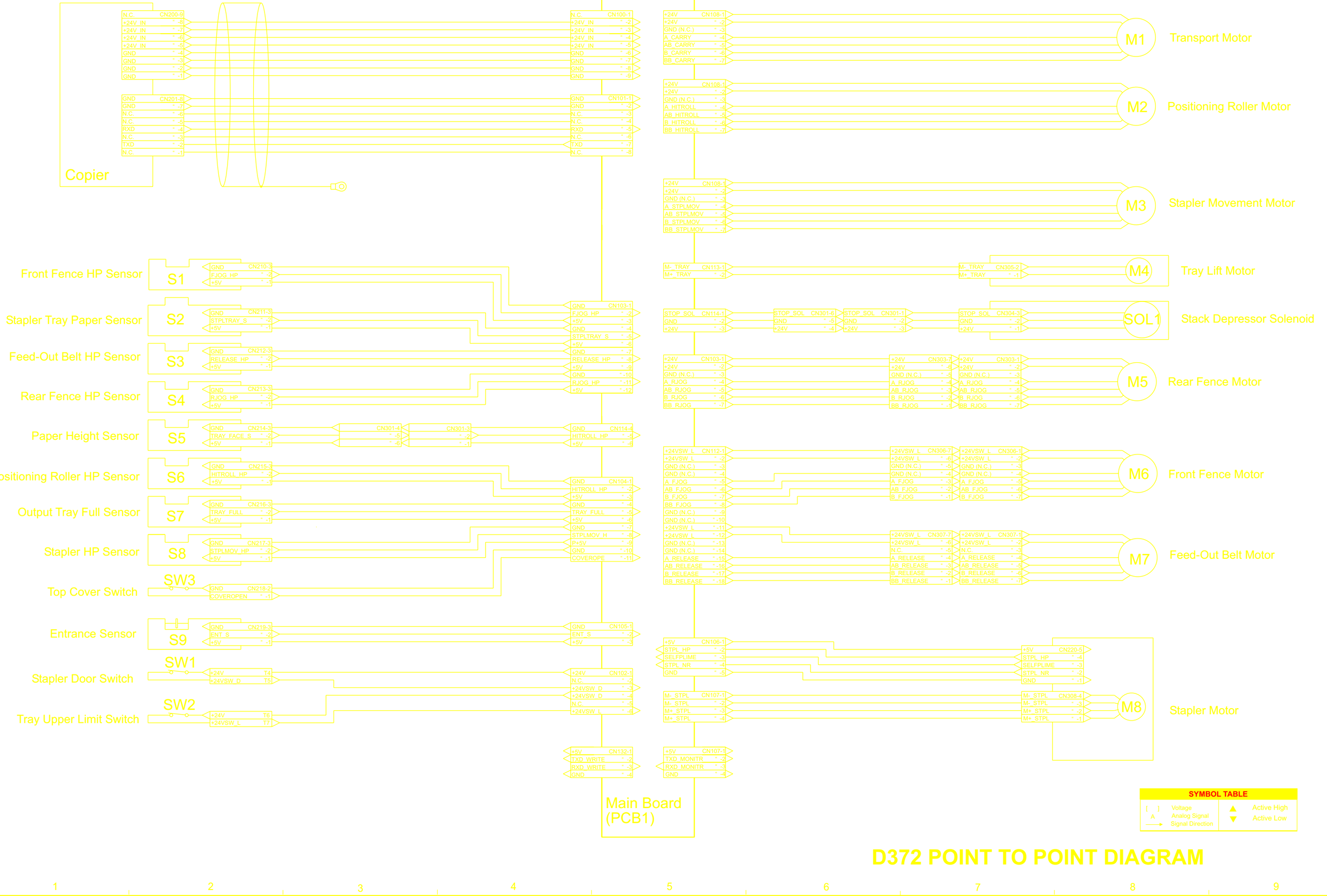






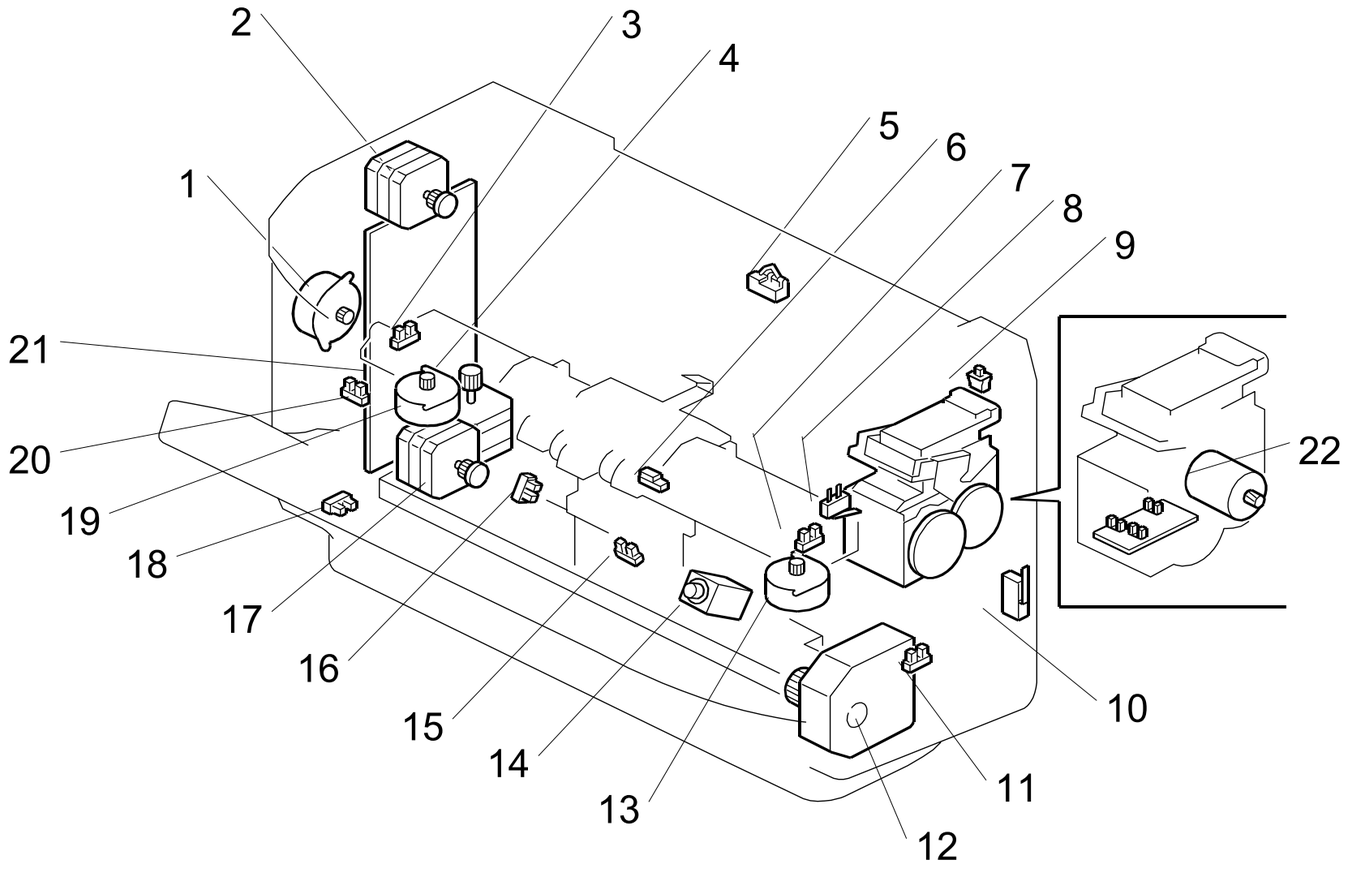
Symbol	Name	Index No.	P-to-P
Motors			
M1	Entrance	15	B6
M2	Lower Transport	14	B6
M3	Shift	23	B6
M4	Exit Guide Plate	2	C6
M5	Upper Transport	22	C6
M6	Fold Roller	44	D6
M7	Fold Plate	46	D7
M8	Bottom Fence Lift	47	A9
M9	Shift Tray	18	A9
M10	Stack Feed Out	25	A9
M11	Jogger	26	B9
M12	Upper Clamp Roller	33	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 Encorder	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



D372 POINT TO POINT DIAGRAM

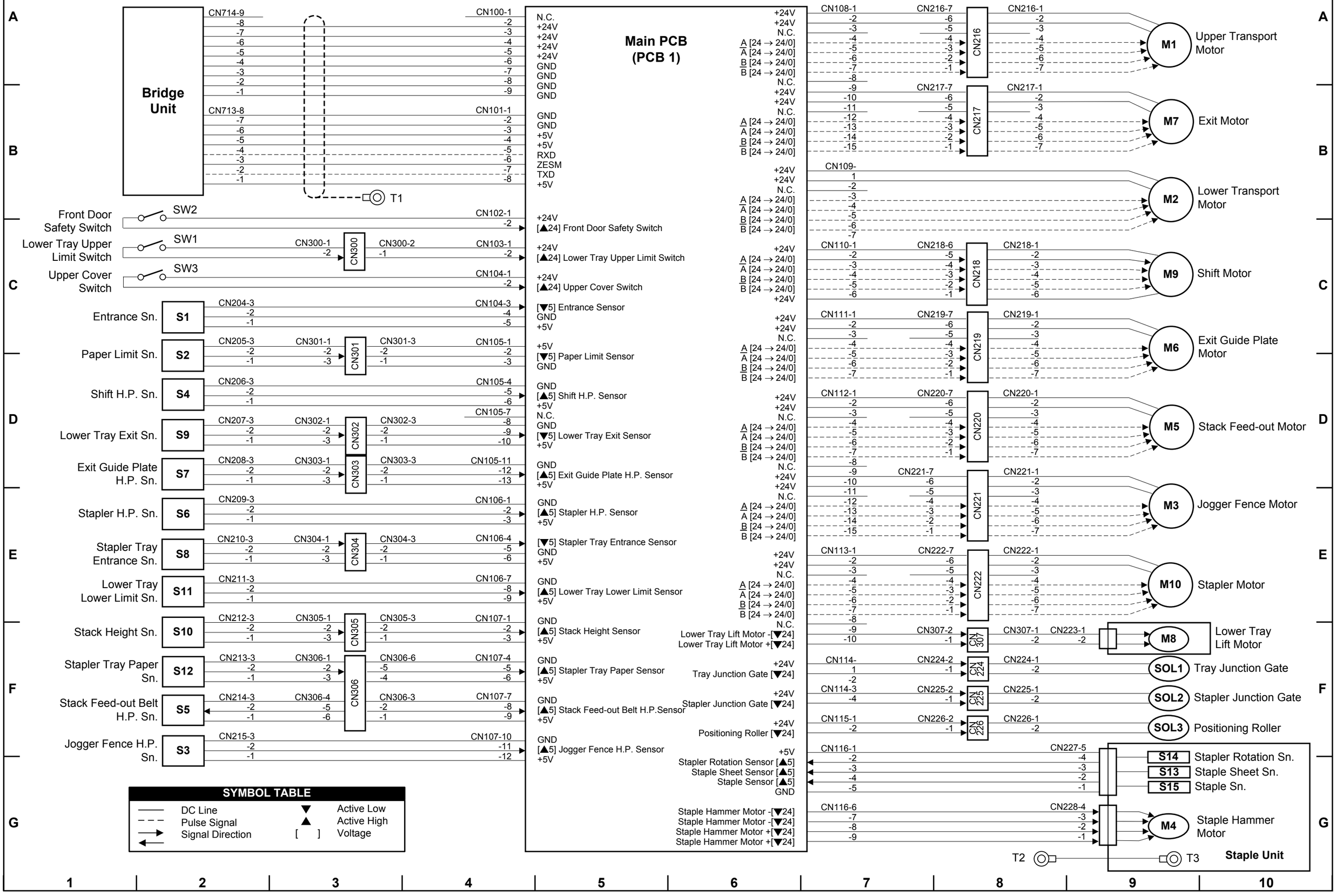
D372 ELECTRICAL COMPONENT LAYOUT



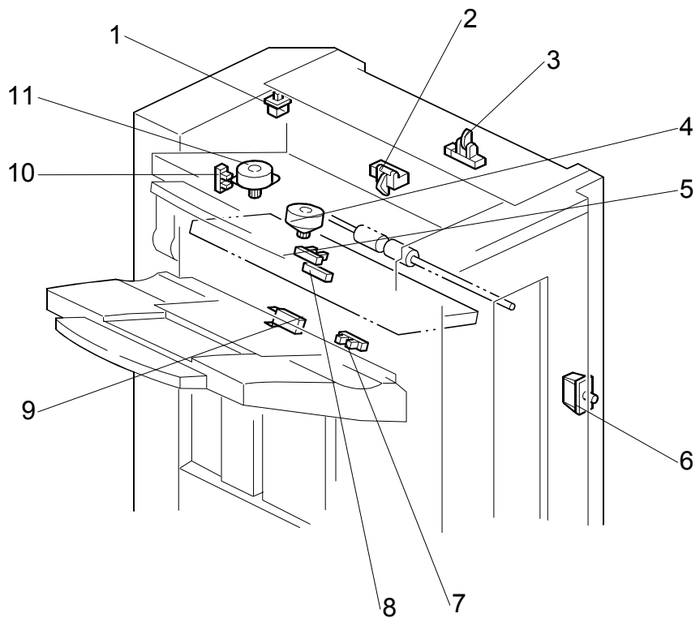
Symbol	Name	Index No.	P to P
Motors			
M1	Transport Motor	2	A8
M2	Positioning Roller Motor	1	A8
M3	Stapler Movement Motor	4	B8
M4	Tray Lift Motor	12	C8
M5	Rear Fence Motor	19	C8
M6	Front Fence Motor	13	D8
M7	Feed-Out Belt Motor	17	D8
M8	Stapler Motor	22	E8
Sensors			
S1	Front Fence HP Sensor	7	C2
S2	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

1000-SHEET FINISHER (B408) POINT TO POINT DIAGRAM



1000-SHEET FINISHER (B408) ELECTRICAL COMPONENT LAYOUT



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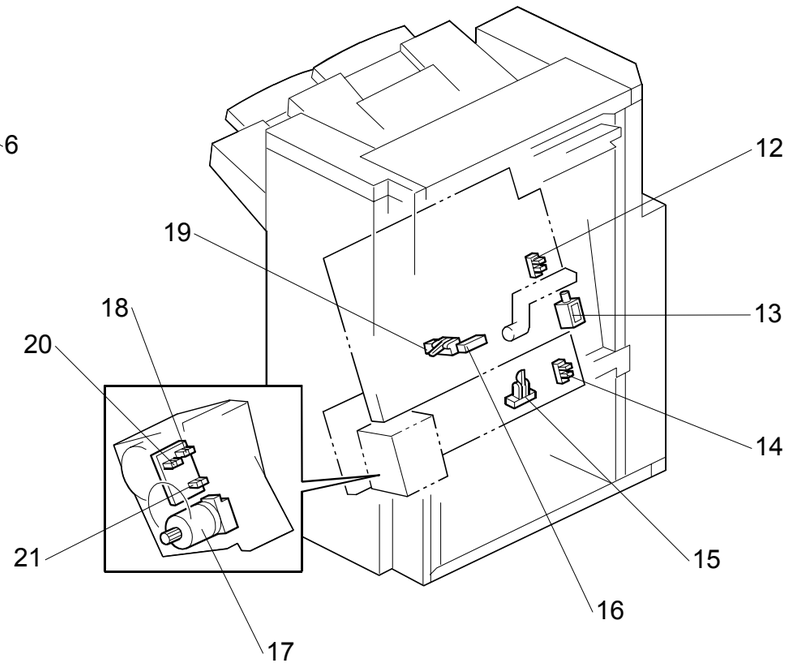

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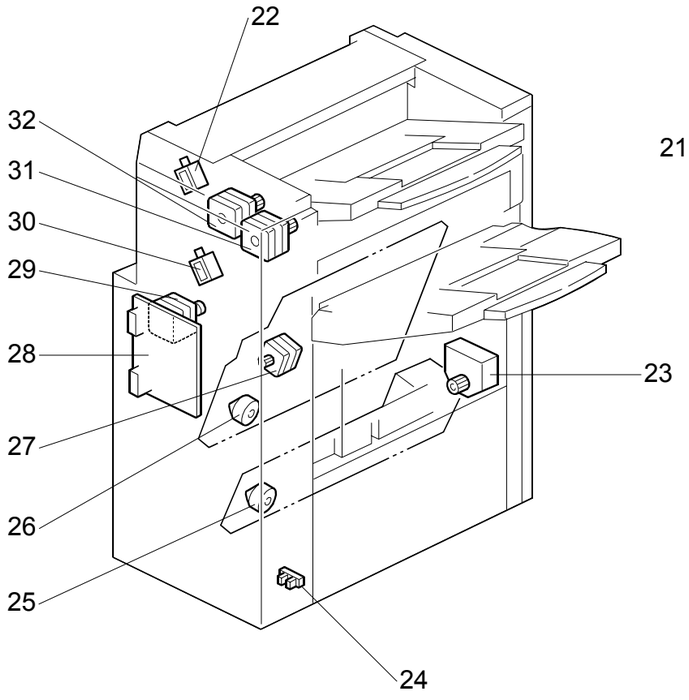

B408D104.WMF

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