D027/D029 POINT TO POINT DIAGRAM (1/2)

Key card: coin rack (Serial)

Counter Interface Board (Option) (PCB1)

Key card:coin rack (parallel)

ID Sensors S1

To BICU

IOB to (BICU) CN225 to (CN111)

No.	Signal Name	No.	Signal Name
A1	FC Reset Control	B1	ADF-TXD
A2	Read	B2	ADF-RXD
A3	Write	B3	TRSOC1 Interruption Demand 1
A4	TRSOC1 Chip Select	B4	TRSOC1 Interrupt Demand 0
A5	TRSOC2 Chip Select	B5	TRSOC2 Interrupt Demand 1
A6	Address bus 2(A/D/B)	B6	TRSOC2 Interrupt Demand 0
A7	Address bus 21	B7	ID Sensor F-FB
A8	Address bus 22	B8	ID Sensor C-FB
A9	Address bus 3	B9	ID Sensor R-FB
A10	Address bus 24	B10	Power-on Reset
A11	Address bus 5	B11	Watchdog Timer Reset
A12	Address bus 6	B12	Data Bus 0(MSB)
A13	Address bus 7	B13	Data bus 1
A14	Address bus 28	B14	Data bus 2
A15	Address bus 29	B15	Data bus 3
A16	Address bus 30	B16	Data bus 4
A17	Address bus 31(LSB)	B17	Data Bus5
A18	I/O Sensor SDA	B18	Data Bus6
A19	I/O Sensor SCL	B19	Data Bus 7(LSB)
A20	GND	B20	GND

Tray Heater (Option) H1

Tray Heater (Option for PTU) H2

Anti-condensation Heater (Option) H3

Tray Heater switch

Main SW SW6

Interlock SW SW7

AC IN

PSU (PCB6)

PSU Fan 1 PSU Fan 2

Fuse List

Name	Rating	240V/100V
FU1	6A/15A	
FU2	6A/15A	
FU3	6A/15A	
FU4	6A/15A	
FU5	6A/15A	
FU6	6A/15A	
FU7	6A/15A	
FU8	6A/15A	
FU9	6A/15A	
FU10	6A/15A	
FU11	6A/15A	
FU12	6A/15A	
FU13	6A/15A	
FU14	6A/15A	
FU15	6A/15A	
FU16	6A/15A	

Finisher

1000-sheet Finisher B408 or 3000-sheet Finisher B865 or 2000-sheet booklet Finisher B804 (for B80/B82 Punch unit B782)

PTU

Two-tray PTU D351 or Tandem LCT D352

200-sheet LCT D353

PSU Control

IOB Power Source

Toner Supply Unit

Toner End sensor:K

Toner supply clutch: K

Toner supply clutch: M

Toner supply clutch: C

Toner supply clutch: Y

Toner Bottle clutch:K

Toner Bottle clutch:M

Toner Bottle clutch:C

Toner Bottle clutch:Y

RFID (PCB5)

Toner end sensor:Y

Toner end sensor:C

Toner end sensor:M

ITB Unit Drive Motor

Fusing/Paper Exit Motor

Drum Gear Position sensor:K

Drum Gear Position sensor:M

Drum Gear position sensor:C

Drum Gear position sensor:Y

Development clutch:K

Development clutch:M

Development clutch:C

Development clutch:Y

To L2 lens positioning motor in laser optics housing unit

Drum Motor:C

Drum Motor:Y

Drum Motor:K

Drum Motor:M

Fusing unit

Thermopile

New detection

Fusing area setting

Thermistor: Pressure Roller

Thermistor: Ends

Thermostat:Pressure Roller

Pressure roller fusing lamp

IH Inverter (PCB7)

IH Coil Unit

IH Inverter Fan

Relay Board

IH Control

PCU

To HVPS:C/B

PCL:K TD sensor S39

PCL:M TD sensor S40

PCL:C TD sensor S41

PCL:Y TD sensor S42

IOB (PCB4)

HVPS: TTS (PCB2)

Toner Transport motor

HVPS: C/B (PCB3)

To PCU

Temperature/Humidity sensor

1 bin tray

Mechanical counter:Bk

Mechanical counter:FC

Key counter

Japan:Key counter

NA:key counter, mechanical counter:Bk,FC

EU:key counter, mechanical counter:Bk

Shift tray unit D388 or Bridge unit D386

ITB Contact motor

PTR Contact motor

ITB Rotatin Sensor

ITB unit

ID Sensor Shutter solenoid

Third Duct fan

Ventilation Fan: Front

Ventilation Fan: Rear

IH Coil fan

Fusing fan

Second Duct fan

Paper Exit fan

Heating Roller Rotation sensor

Pressure Roller Contact sensor

Pressure Roller Contact motor

Duplex/By-pass Unit

Duplex inverter motor

Duplex Entrance Sensor

Duplex Exit Sensor

Bypass paper detection sensor

Bypass pick-up sensor

Fusing Entrance Sensor

Duplex Door Sensor

Bypass Paper Length Sensor

Bypass paper size sensor

Bypass feed clutch

Tray 1 Paper feed clutch

Tray 2 Paper feed clutch

Duplex/Bypass motor

Registration motor

Paper Feed motor

Registration sensor

Waste Toner sensor

Waste Toner cookie set switch

Tray1 set switch

Tray 2 Paper size switch

Tray lock solenoid

Tray1 Paper Height sensor 1

Tray1 Paper Height sensor 2

Tray1 Paper Lift Motor

Tray 2 Paper Height sensor 1

Tray 2 Paper Height sensor 2

Tray2 Paper Lift Motor

Tray pick-up solenoid

Tray1 Paper Feed sensor

Tray1 Vertical Transport sensor

Tray1 Paper End sensor

Tray1 Paper Lift sensor

Tray2 pick-up solenoid

Tray2 Paper Feed sensor

Tray2 Vertical Transport sensor

Tray2 Paper End sensor

Tray2 Paper Lift sensor

Paper Tray (Main)

DC Line

Pulse Signal

Signal Direction

Active High

Active Low

Voltage

D027/D029 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

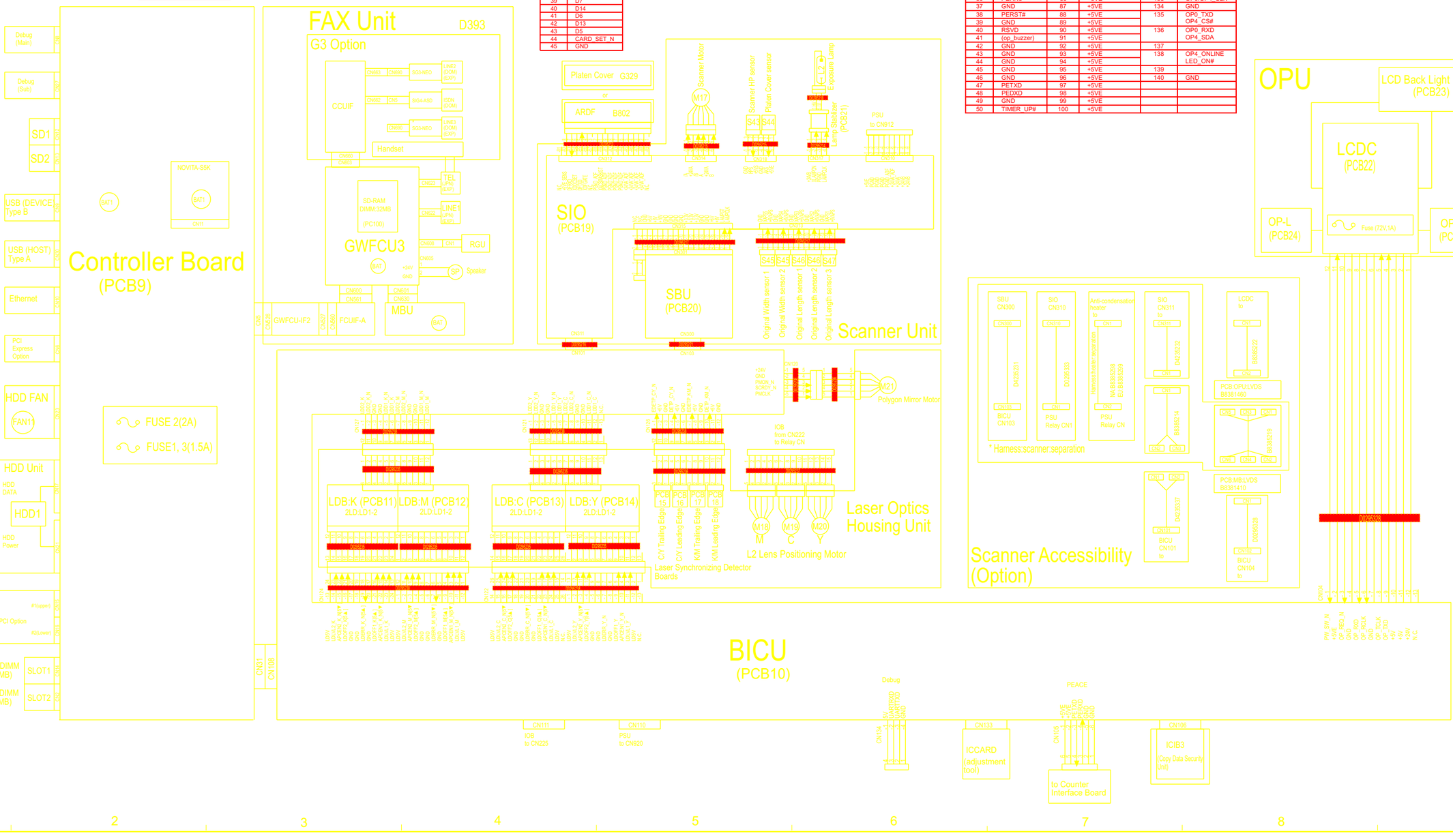
No.	Signal Name	No.	Signal Name
1	GND	31	5V
2	A29	32	5V
3	ICIB_CS_N	33	5V
4	ICIB_RD_N	34	GND
5	SYCLK_SBU	35	GND
6	D7	36	CNICIB_N
7	D5	37	ICIB_FGATE_N
8	D3	38	ICIB_LSYNC_N
9	D1	39	ICIB_CLK
10	GND	40	DO_G0
11	ICIB_INT	41	DO_G2
12	GND	42	GND
13	N.C	43	DO_G5
14	N.C	44	DO_G7
15	N.C	45	N.C
16	N.C	46	N.C
17	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	A19
21	A13
22	A17
23	A12
24	A10
25	A11
26	5V
27	A15
28	A16
29	A18
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 (Type-EX1) 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 OP0_CLK
28	GND	78	space(NC)		
29	PERP2	79	+5VE	128	OP2_TXD OP0_TXD
30	PERN2	80	+5VE		
31	GND	81	+5VE	129	OP2_REQ
32	PETP3	82	+5VE	130	OP2_RCLK
33	PETN3	83	+5VE	131	OP2_RXD OP0_RXD
34	GND	84	+5VE		
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 OP4_CS#
39	GND	89	+5VE		
40	RSVD	90	+5VE	136	OP0_RXD OP4_SDA
41	(op_buzzer)	91	+5VE		
42	GND	92	+5VE	137	
43	GND	93	+5VE	138	OP4_ONLINE LED_ON#
44	GND	94	+5VE		
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		



D027/D029 ELECTRICAL COMPONENT LAYOUT (1/2)

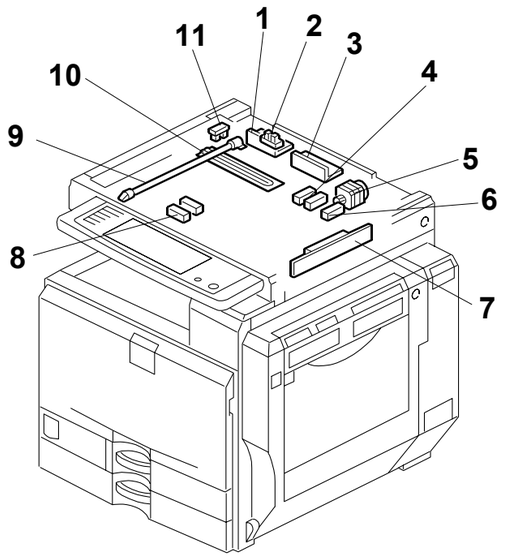
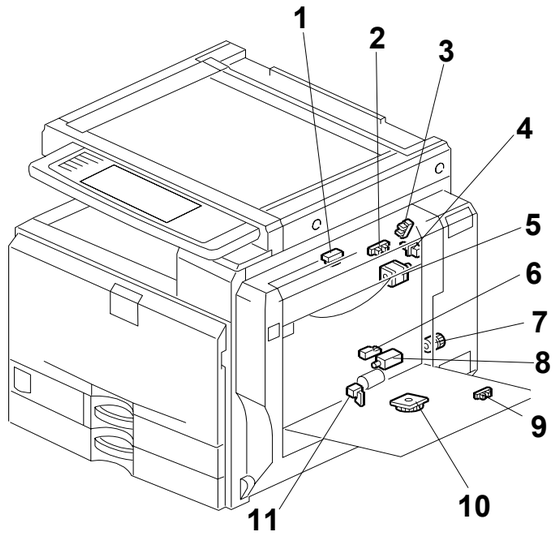


Fig-1 d027v101



d027v102 Fig-2

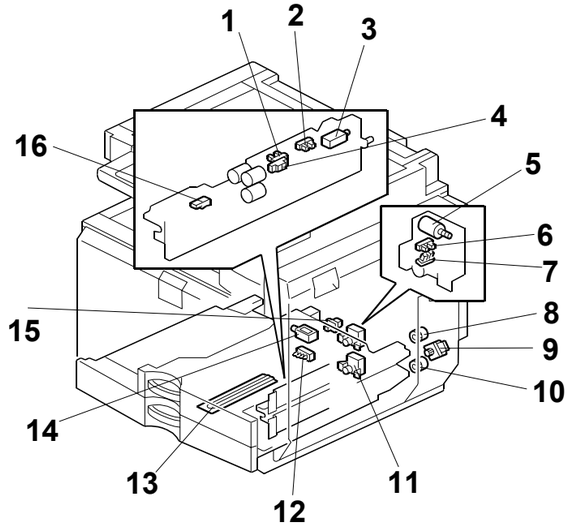
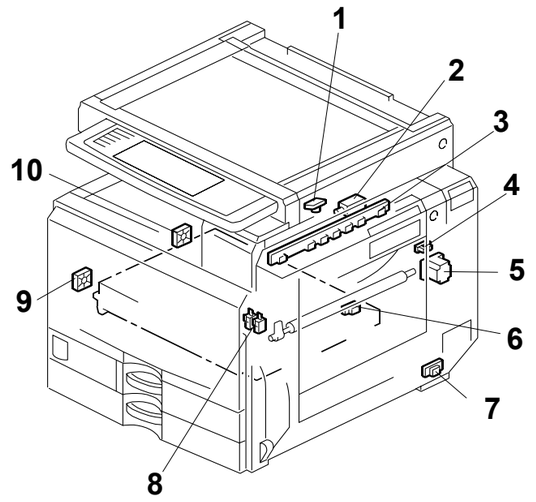
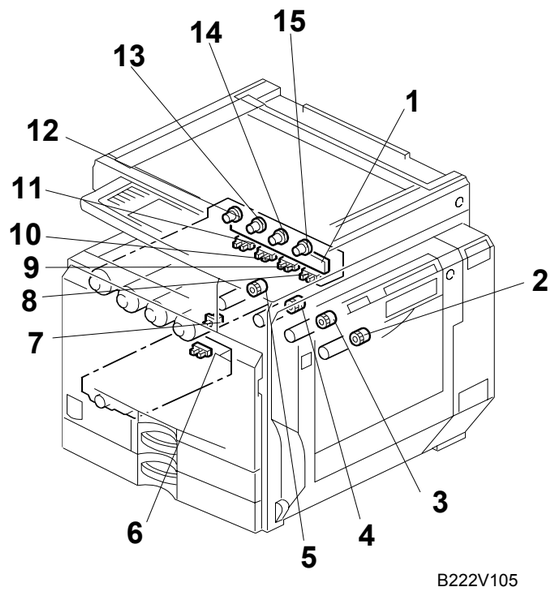


Fig-3 B222V103



d027V104 Fig-4



B222V105 Fig-5

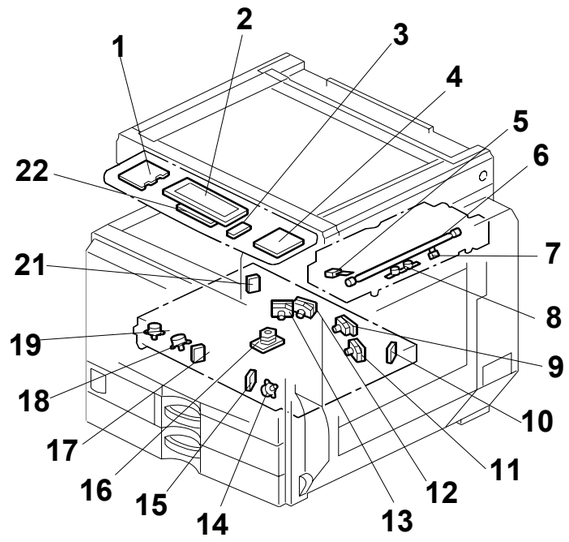


Fig-6 B222V106

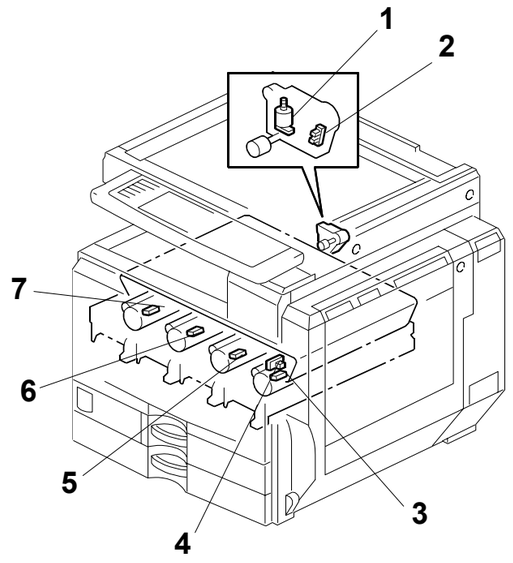
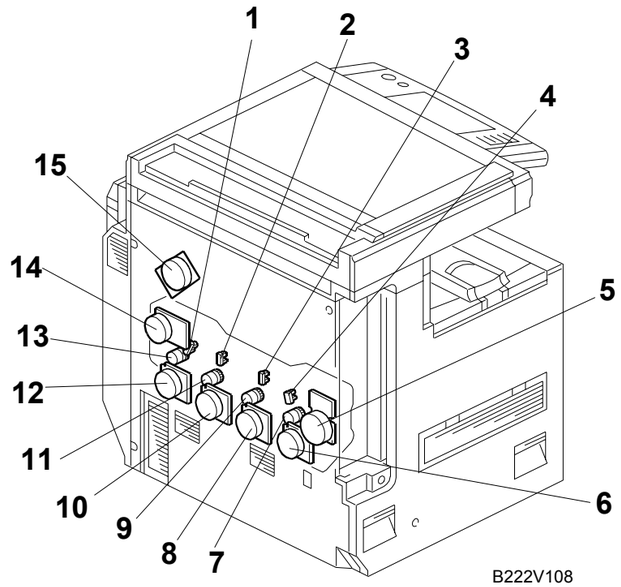


Fig-7 B222V107



B222V108 Fig-8

D027/D029 ELECTRICAL COMPONENT LAYOUT (2/2)

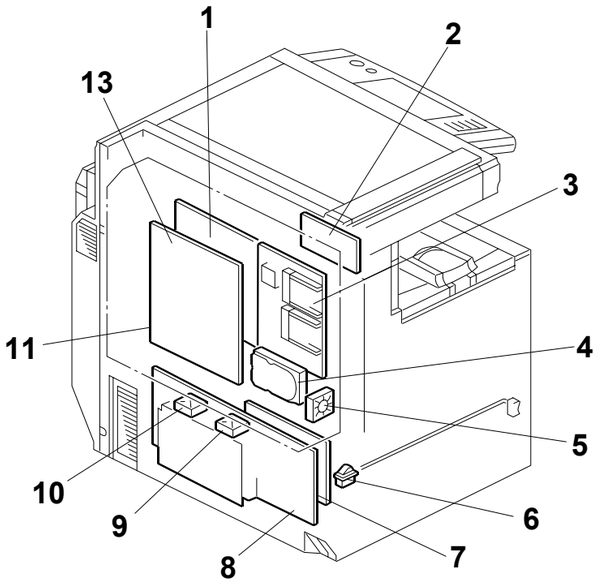


Fig-9 d027v109

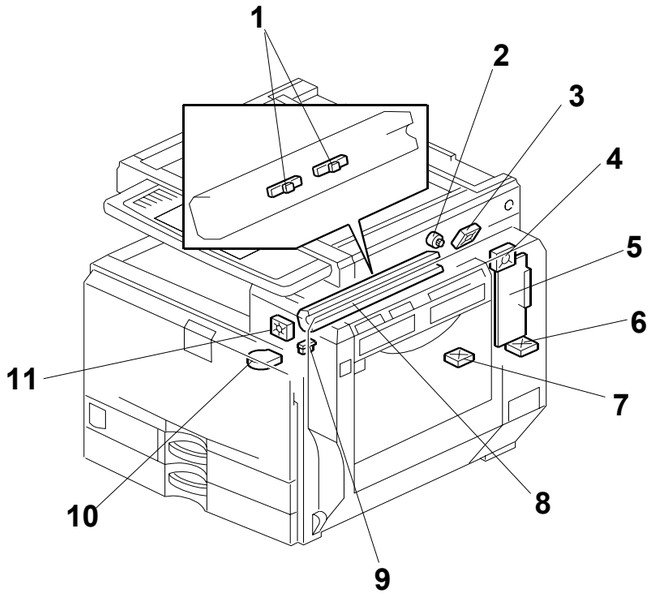
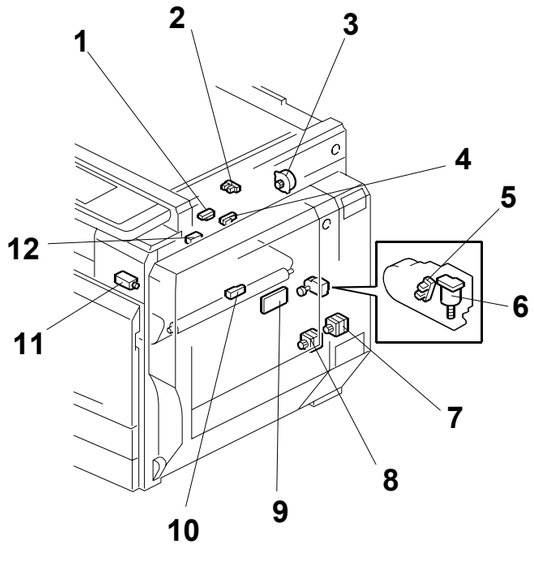


Fig-10 d027V110

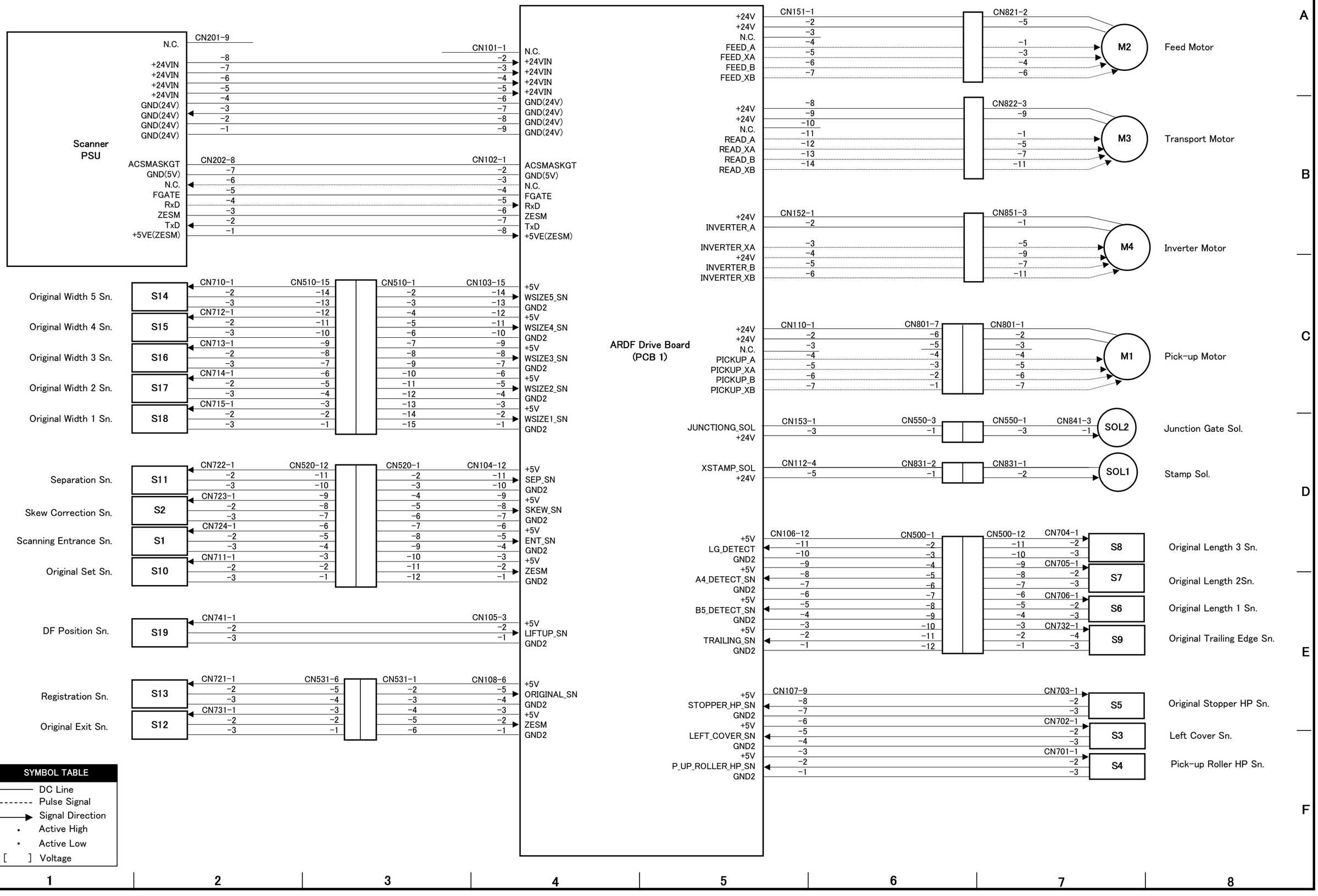


Symbol	Index No.	Description	P to P	Page
PCBs				
PCB1	-	Counter Interface Board	A2	1/2
PCB2	9-2	HVPS: TTS	D3	1/2
PCB3	9-7	HVPS: C/B	D3	1/2
PCB4	9-11	IOB	E8	1/2
PCB5	5-1	RFID	A9	1/2
PCB6	9-8	PSU	B6	1/2
PCB7	10-5	IH Inverter Board	C7	1/2
PCB8	11-9	HVPS - Discharge Plate	F3	1/2
PCB9	9-3	Controller Board	D2	1/2
PCB10	9-1	BICU	F5	1/2
PCB11	6-9	LDB: K	E3	2/2
PCB12	6-11	LDB: M	E4	2/2
PCB13	6-12	LDB: C	E4	2/2
PCB14	6-13	LDB: Y	E5	2/2
PCB15	6-21	Laser Synchronizing Detector Board-YC-TE	E5	2/2
PCB16	6-17	Laser Synchronizing Detector Board-YC-LE	E5	2/2
PCB17	6-15	Laser Synchronizing Detector Board-MK-TE	E5	2/2
PCB18	6-10	Laser Synchronizing Detector Board-MK-LE	E5	2/2
PCB19	1-3	SIO	C4	2/2
PCB20	1-6	SBU	D5	2/2
PCB21	1-1	Lamp Stabilizer	C6	2/2
PCB22	6-22	LCDC	C8	2/2
PCB23	6-2	LCD Back Light Driver	C9	2/2
PCB24	6-1	OPU-L	C8	2/2
PCB25	6-4	OPU-R	C8	2/2
Heaters				
H1	3-13	Tray Heater (Option)	A4	1/2
H2	3-13	Tray Heater (Option for PTU)	A4	1/2
H3	1-10	Anti-condensation Heater	B4	1/2

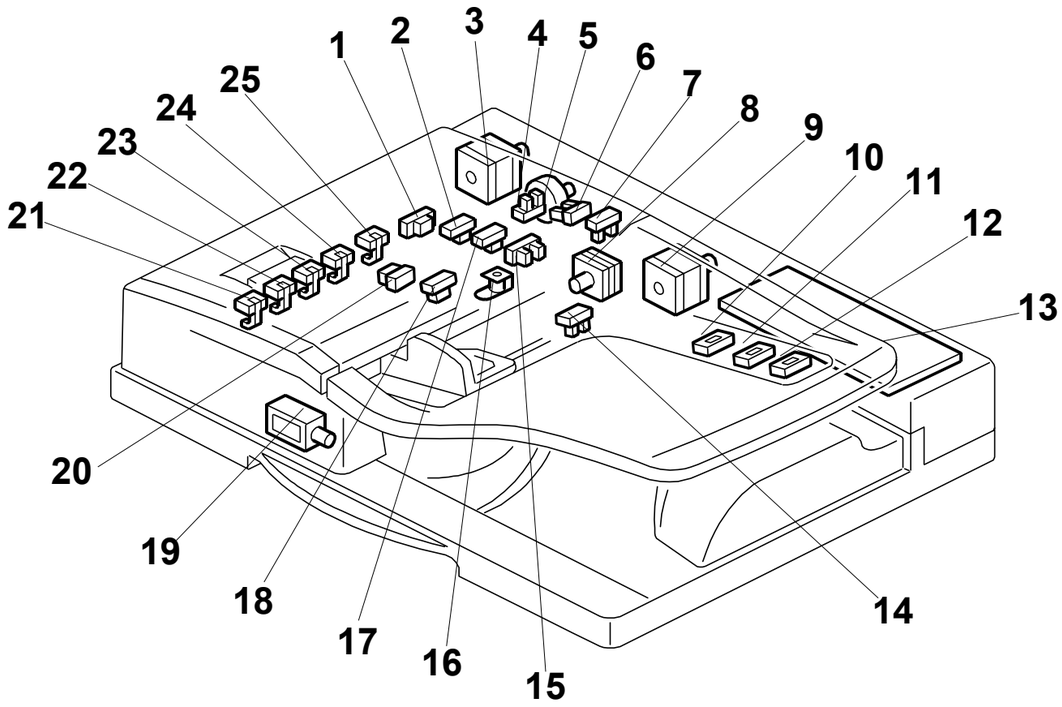
Symbol	Index No.	Description	P to P	Page
Sensors				
S1	4-3	ID Sensors	B1	1/2
S2	11-4	Junction Paper Jam	C1	1/2
S3	11-1	Paper Exit	C1	1/2
S4	11-12	Fusing Exit	C1	1/2
S5	11-2	Paper Overflow	C1	1/2
S6	2-1	Duplex Entrance	F2	1/2
S7	2-6	Duplex Exit	F2	1/2
S8	11-10	Fusing Entrance	F3	1/2
S9	2-2	Duplex Door	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	4-6	Registration	F6	1/2
S13	5-6	Waste Toner	F6	1/2
S14	3-6	Tray1 Paper Height Sensor1	F6	1/2
S15	3-7	Tray1 Paper Height Sensor2	F6	1/2
S16	3-6	Tray2 Paper Height Sensor1	F6	1/2
S17	3-7	Tray2 Paper Height Sensor2	F6	1/2
S18	3-16	Tray1 Paper Feed	F7	1/2
S19	3-4	Tray1 Vertical Transport	F7	1/2
S20	3-1	Tray1 Paper End	F7	1/2
S21	3-2	Tray1 Paper Lift	F7	1/2
S22	3-16	Tray2 Paper feed	F7	1/2
S23	3-4	Tray2 Vertical Transport	F7	1/2
S24	3-1	Tray2 Paper End	F7	1/2
S25	3-2	Tray2 Paper Lift	F7	1/2
S26	5-11	Toner End Sensor:K	A9	1/2
S27	5-10	Toner End Sensor:Y	B9	1/2
S28	5-8	Toner End Sensor:C	B9	1/2
S29	5-9	Toner End Sensor:M	B9	1/2
S30	8-1	Drum Gear Position Sensor:K	C9	1/2
S31	8-2	Drum Gear Position Sensor:M	C9	1/2
S32	8-3	Drum Gear Position Sensor:C	C9	1/2
S33	8-4	Drum Gear Position Sensor:Y	C9	1/2
S34	7-4	ITB Rotation	C3	1/2
S35	4-7	Temperature/Humidity	E3	1/2
S36	4-1	Thermopile	D4	1/2
S37	10-9	Heating Roller Rotation	E5	1/2
S38	4-4	Pressure Roller Contact	E5	1/2
S39	7-3	TD Sensor:K	D7	1/2
S40	7-5	TD Sensor:M	D7	1/2
S41	7-6	TD Sensor:C	E7	1/2
S42	7-7	TD Sensor:Y	E7	1/2
S43	1-11	Scanner H.P	C5	2/2
S44	1-2	Platen Cover	C5	2/2
S45	1-8	Original Width Sensor1,2	D5	2/2
S46	1-4	Original Length Sensor1,2	D6	2/2
S47	1-6	Original Length Sensor3	D6	2/2
FANs				
FAN1	10-7	Third Duct	E4	1/2
FAN2	4-9	Ventilation Fan - Front	D4	1/2
FAN3	4-10	Ventilation Fan - Rear	D4	1/2
FAN4	10-10	IH Coil	E4	1/2
FAN5	10-4	Fusing	E4	1/2
FAN6	10-3	Second Duct	E4	1/2
FAN7	10-11	Paper Exit	E4	1/2
FAN8	10-6	IH Inverter	C7	1/2
FAN9	9-10	PSU FAN1	C6	1/2
FAN10	9-9	PSU FAN2	C6	1/2
FAN11	9-5	HDD	D2	2/2
Others				
TS1	6-8	Thermostat - Pressure Roller	C5	1/2
TS2	6-8	Thermostat - Pressure Roller	C5	1/2
TS3	10-1	Thermostat - IH	C6	1/2
TH1	6-7	Thermistor - Pressure Roller	C5	1/2
TH2	6-5	Thermistor - Heating Roller	C5	1/2
HDD1	9-4	HDD	E2	2/2
-	10-8	IH Coil Unit	C6	1/2

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	3-9	Paper Feed	F5	1/2
M5	3-5	Tray1 Lift	F6	1/2
M6	3-11	Tray2 Lift	F6	1/2
M7	8-14	ITB Unit Drive	B9	1/2
M8	8-15	Fusing/Paper Exit	B9	1/2
M9	8-8	Drum/Development Motor:C	D9	1/2
M10	8-6	Drum/Development Motor:Y	D9	1/2
M11	8-12	Drum/Development Motor:K	E9	1/2
M12	8-10	Drum/Development Motor:M	E9	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	4-5	Pressure Roller Contact motor	E5	1/2
M17	1-5	Scanner Drive	C5	2/2
M18	6-14	L2 lens positioning motor:M	E5	2/2
M19	6-18	L2 lens positioning motor:C	E6	2/2
M20	6-19	L2 lens positioning motor:Y	E6	2/2
M21	6-16	Polygon Mirror	D6	2/2
Clutches				
MC1	2-7	By-pass Feed	F3	1/2
MC2	3-8	Tray1 Paper Feed	F4	1/2
MC3	3-10	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	A9	1/2
MC9	5-15	Toner Bottle Clutch - M	A9	1/2
MC10	5-14	Toner Bottle Clutch - C	A9	1/2
MC11	5-13	Toner Bottle Clutch - Y	A9	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	3-14	Tray Lock	F6	1/2
SOL4	3-3	Tray1 Pick-up	F7	1/2
SOL5	3-3	Tray2 Pick-up	F7	1/2
SOL6	4-2	ID Sensor Shutter	C3	1/2
Switches				
SW1	2-4	Right Door Open	C1	1/2
SW2	2-10	By-pass Paper detection	F3	1/2
SW3	5-7	Waste Toner Bottle Set	F6	1/2
SW4	3-15	Tray1 Set	F6	1/2
SW5	3-12	Tray2 Paper Size	F6	1/2
SW6	9-6	Main	B5	1/2
SW7	4-8	Interlock	B5	1/2
Lamps				
L1	6-6	Pressure Roller Fusing Lamp	C5	1/2
L2	1-9	Exposure Lamp	C6	1/2

ARDF (B802) POINT TO POINT DIAGRAM

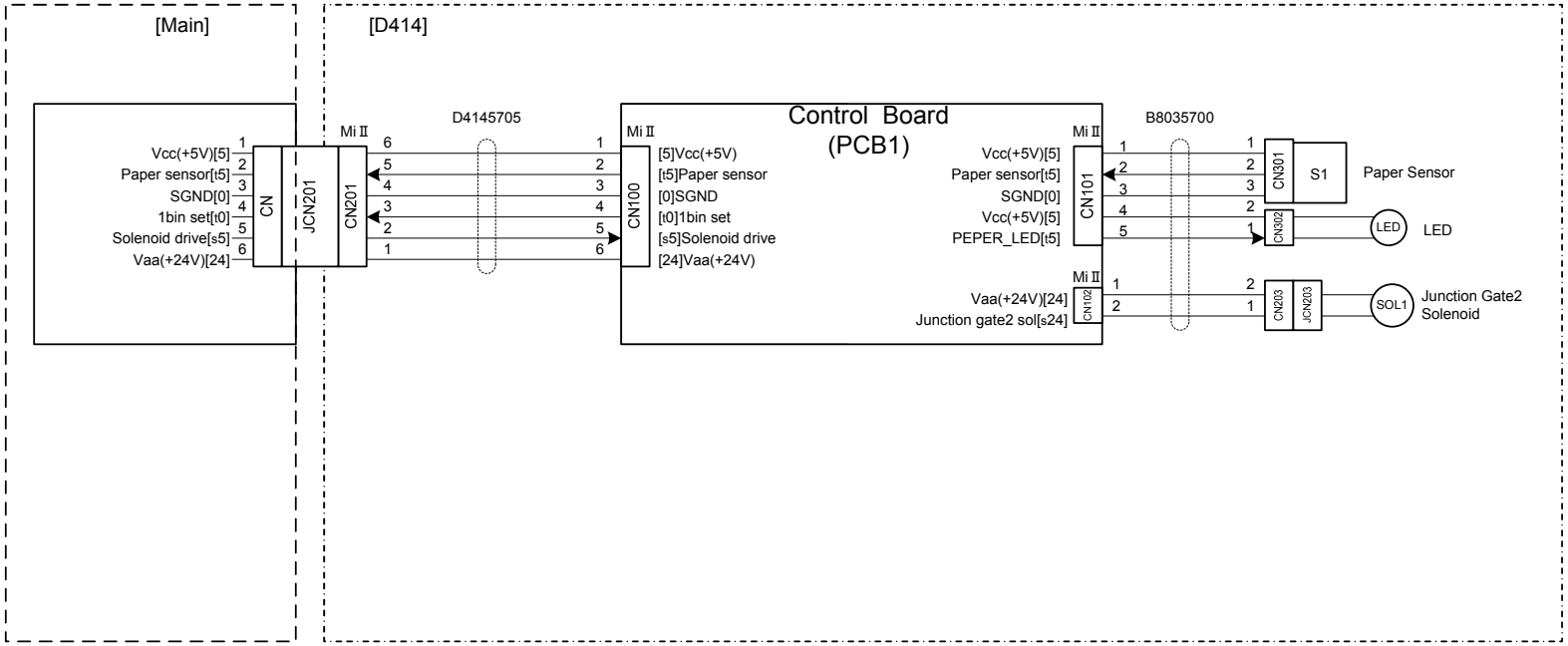


ARDF (B802) ELECTRICAL COMPONENT LAYOUT



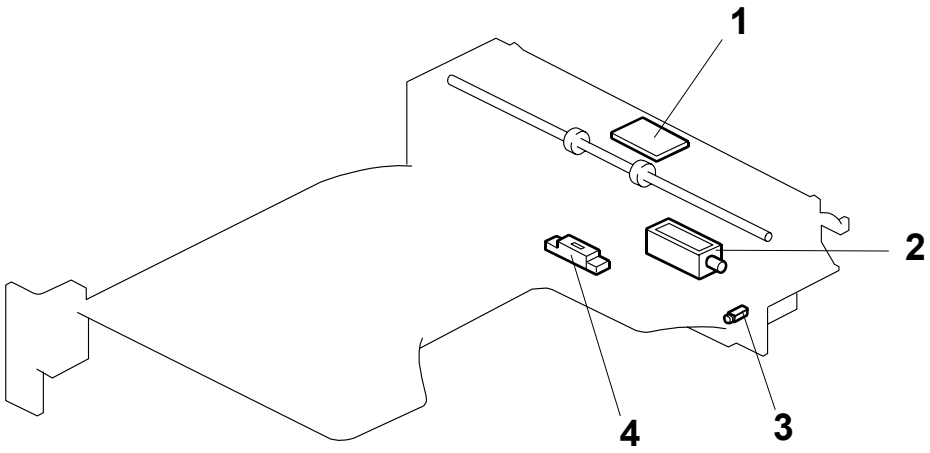
Symbol	Index No.	Description	P to P
Motors			
M1	5	Pick-up	C7
M2	9	Feed	A7
M3	3	Transport	B7
M4	8	Inverter	B7
Clutches			
S1	1	Scanning Entrance	D2
S2	2	Skew Correction	D2
S3	4	Left Cover	F7
S4	6	Pick-up Roller HP	F7
S5	7	Original Stopper HP	E7
S6	10	Original length 1	E7
S7	11	Original length 2	E7
S8	12	Original length 3	D7
S9	14	Original Trailing Edge	E7
S10	15	Original Set	E2
S11	17	Separation	D2
S12	18	Original Exit	E2
S13	20	Registration	E2
S14	21	Original Width 5	C2
S15	22	Original Width 4	C2
S16	23	Original Width 3	C2
S17	24	Original Width 2	C2
S18	25	Original Width 1	D2
S19	-	DF Position	E2
Solenoids			
SOL1	16	Stamp	D7
SOL2	19	Junction Gate	D7
PCB			
PCB1	13	ARDF Drive Board	F5

D414 POINT TO POINT DIAGRAM



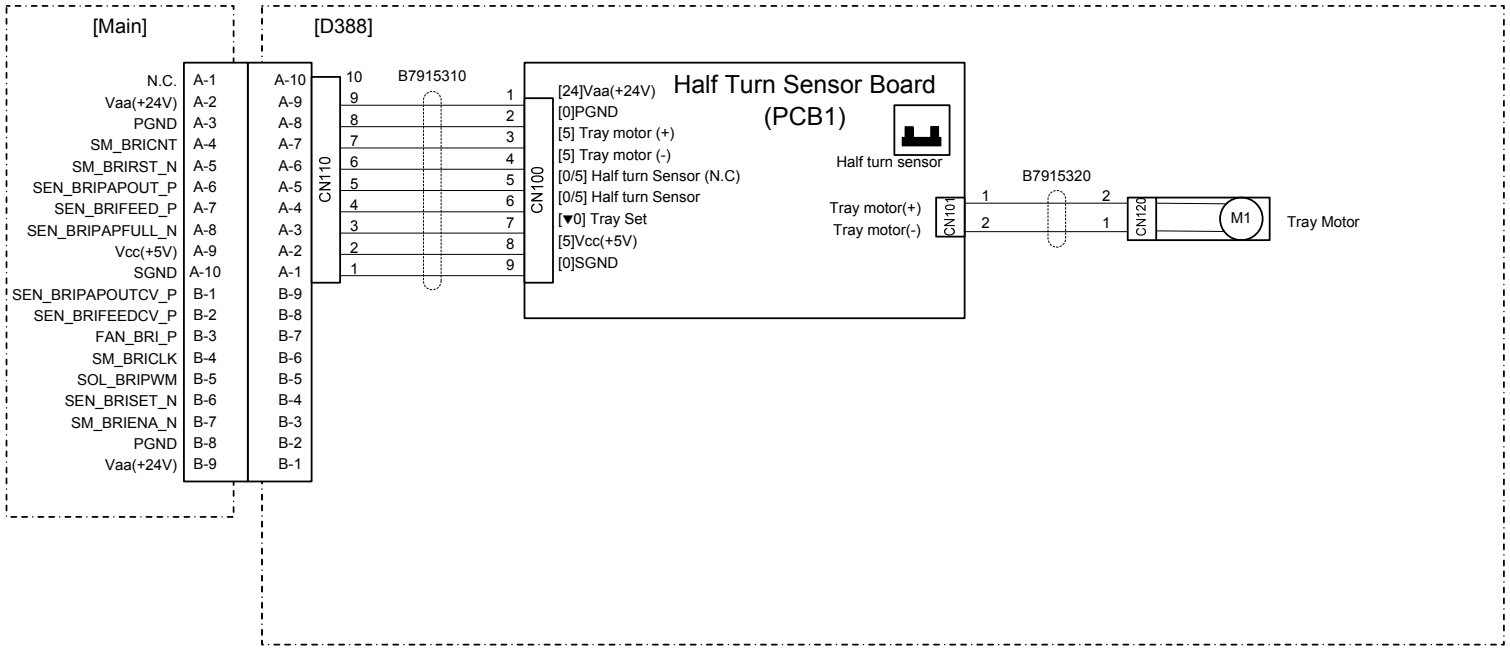
SYMBOL TABLE	
AC LINE	▲ High active
DC LINE	▼ Low active
Pulse	[ ] Voltage
Direction	

D414 ELECTRICAL COMPONENT LAYOUT



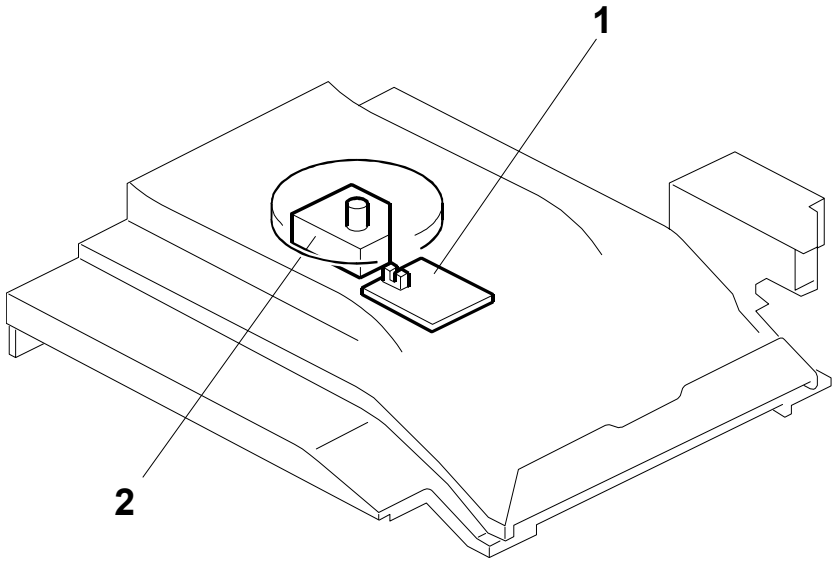
Symbol	Name	Index No.	P-to-P
Sensor			
S1	Paper	4	B5
Solenoid			
SOL1	Junction Gate 2 Solenoid	2	B6
PCB			
PCB1	Main Control Board	1	B4
LED			
LED	LED	3	B6

D388 POINT TO POINT DIAGRAM



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

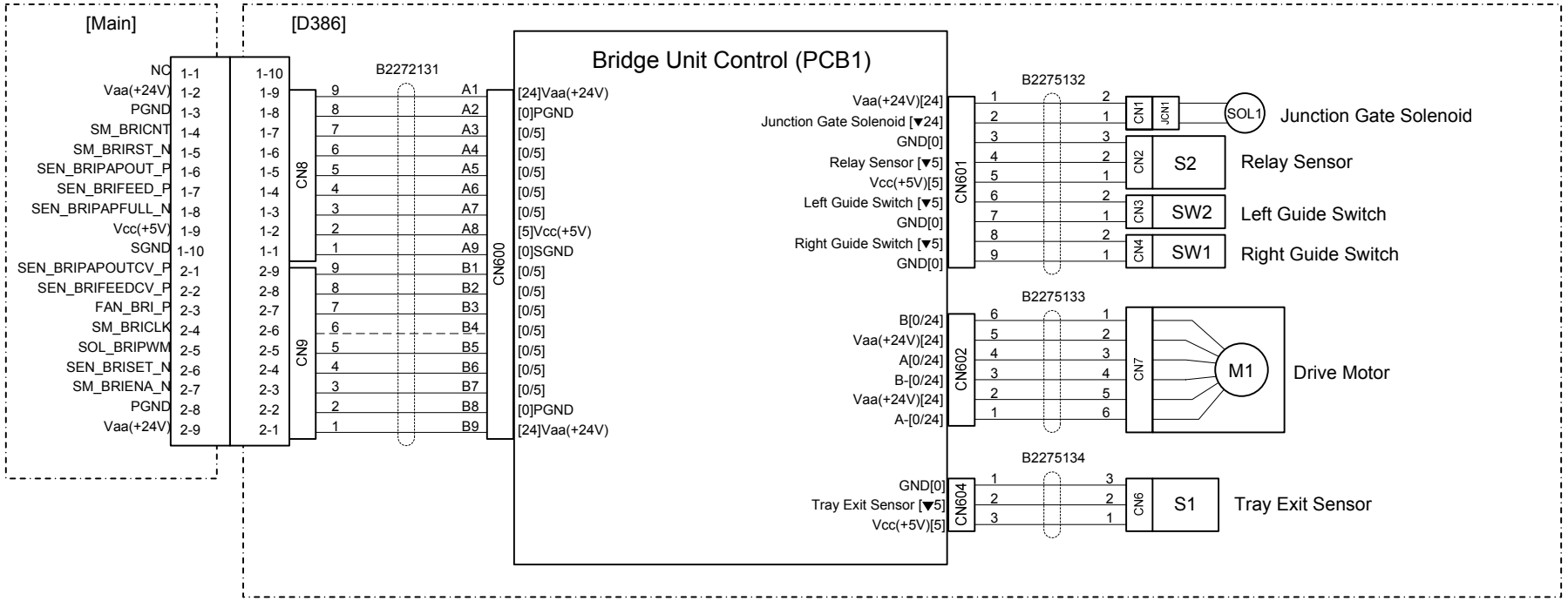
D388 ELECTRICAL COMPONENT LAYOUT



B791D102

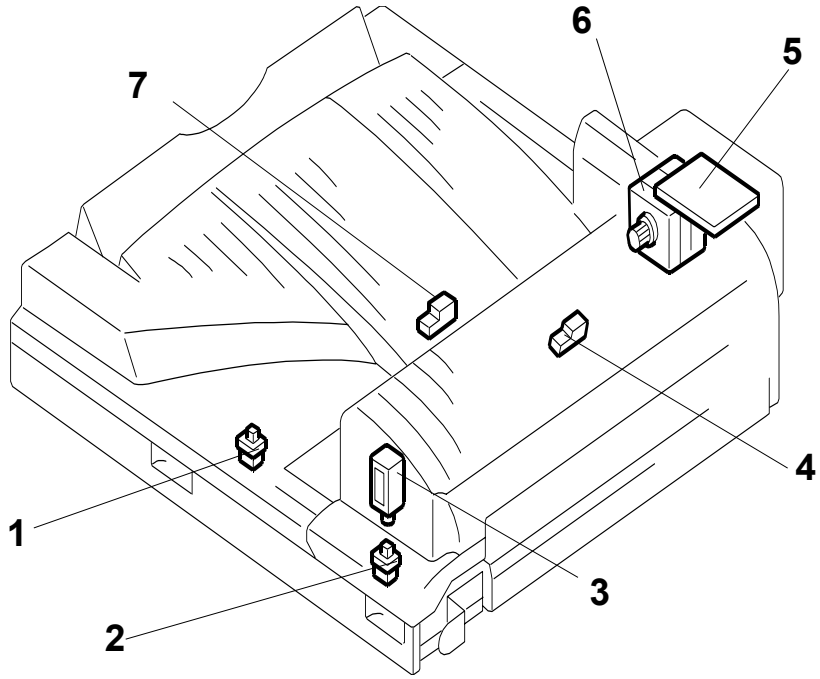
Symbol	Name	Index No.	P-to-P
Motors			
M1	Tray	1	B5
PCBs			
PCB1	Half Turn Sensor	2	B3-B4

D386 POINT TO POINT DIAGRAM



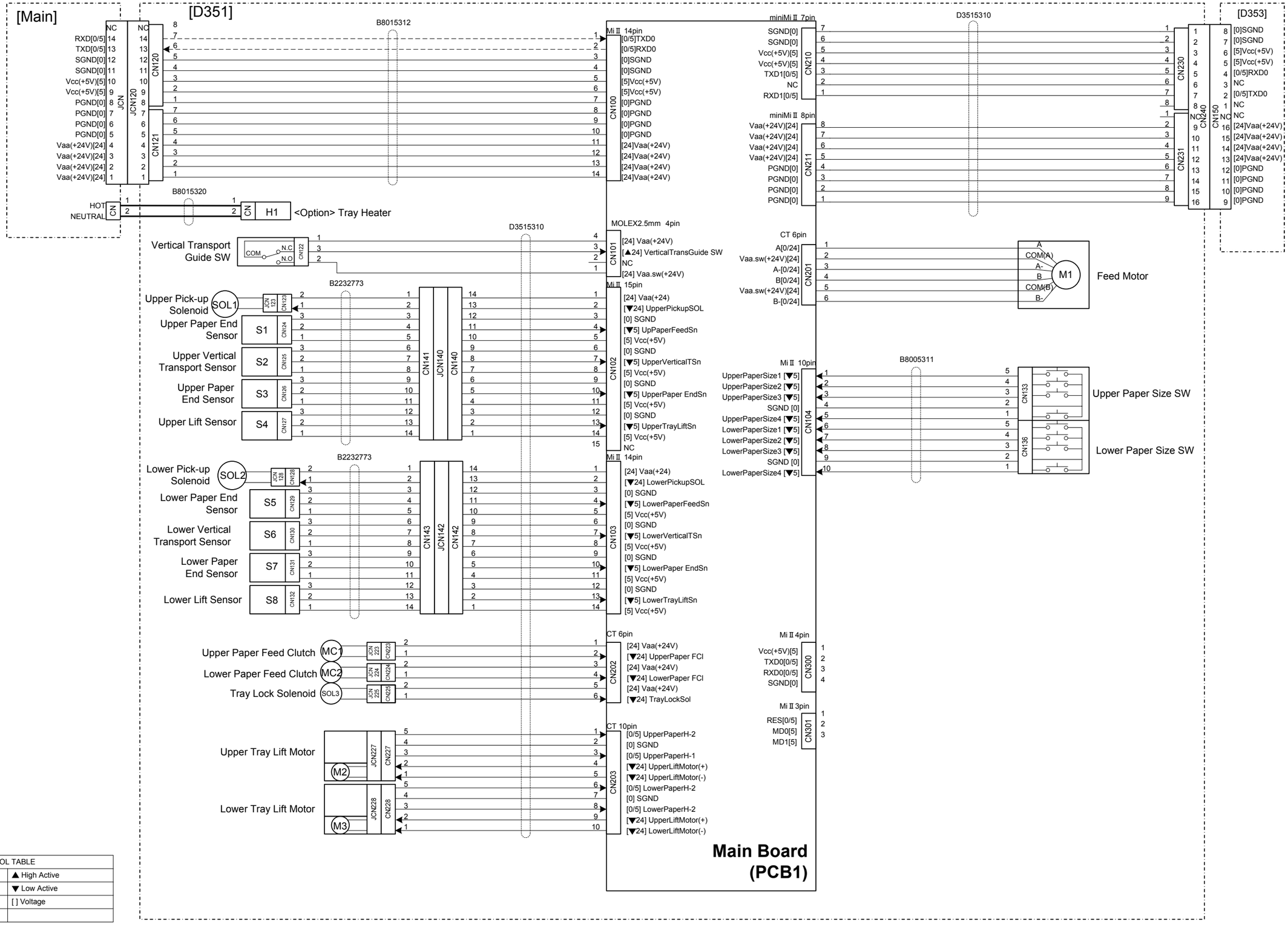
SYMBOL TABLE	
AC LINE	▲ High active
DC LINE	▼ Low active
Pulse	[ ] Voltage
Direction	

D386 ELECTRICAL COMPONENT LAYOUT



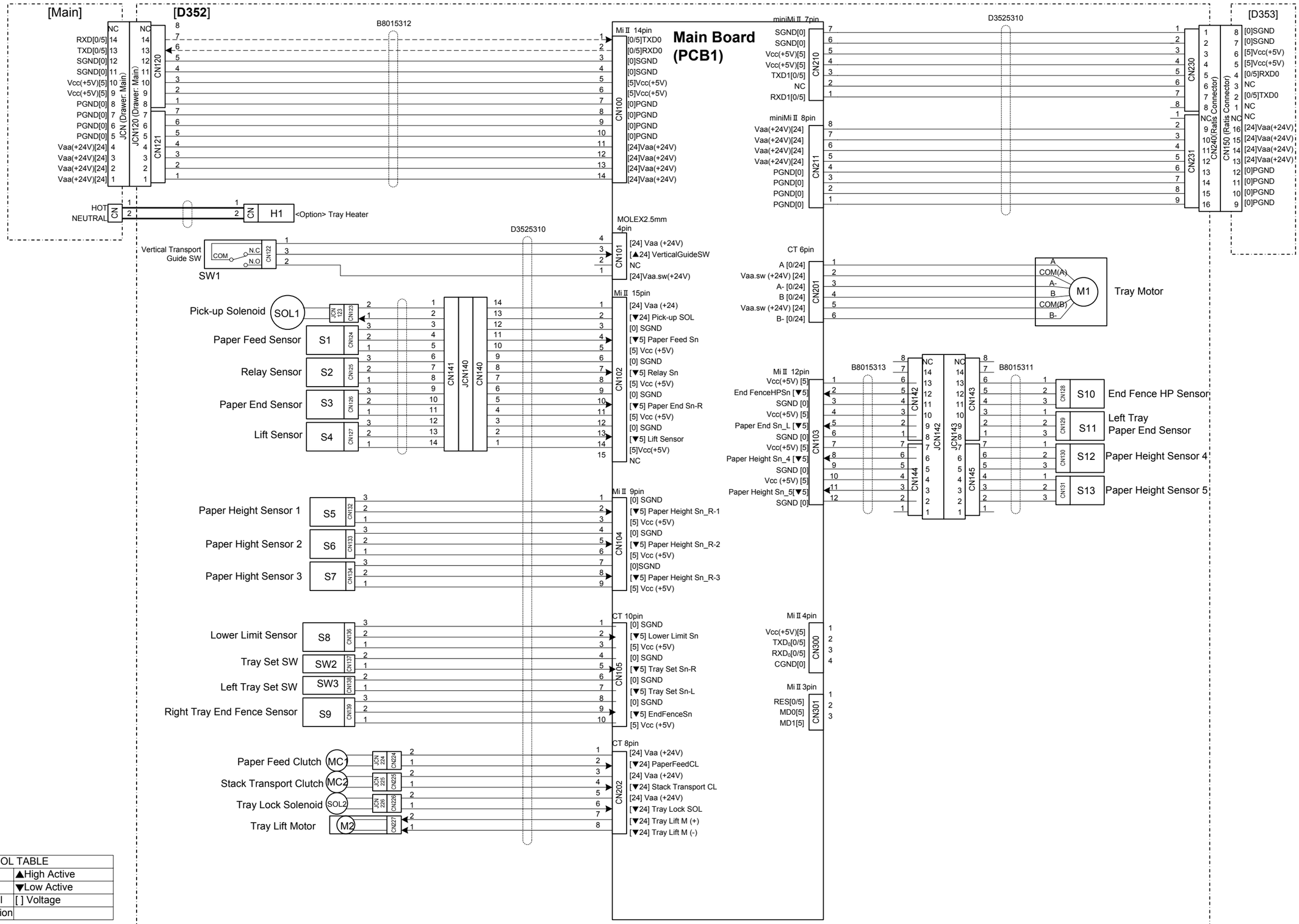
Symbol	Name	Index No.	P-to-P
Motors			
M1	Drive	6	B5
Sensors			
S1	Tray Exit	4	C5
S2	Relay	7	B5
Switches			
SW1	Right Guide	2	B5
SW2	Left Guide	1	B5
PCBs			
PCB1	Bridge Unit Control	5	B3-C4
Magnetic Clutches			
MC1	Junction Gate	3	B5

D351 POINT TO POINT DIAGRAM



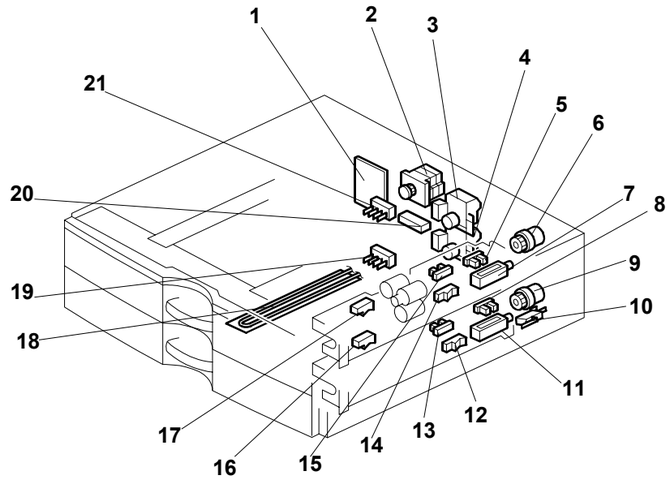
SYMBOL TABLE	
AC LINE	▲ High Active
DC LINE	▼ Low Active
Pulse Signal	[ ] Voltage
Signal Direction	

D352 POINT TO POINT DIAGRAM



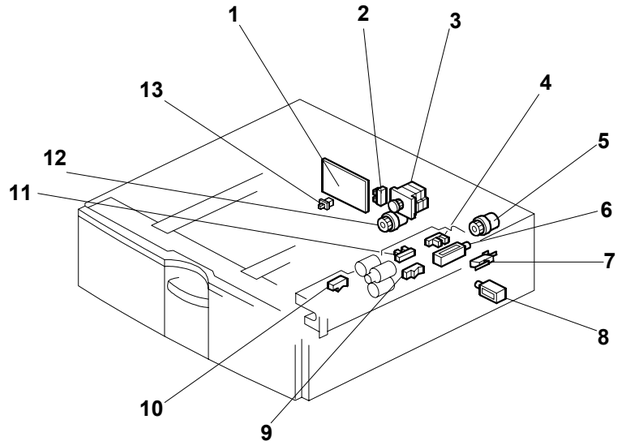
SYMBOL TABLE	
AC LINE	▲High Active
DC LINE	▼Low Active
Pulse Signal	[ ] Voltage
Signal Direction	

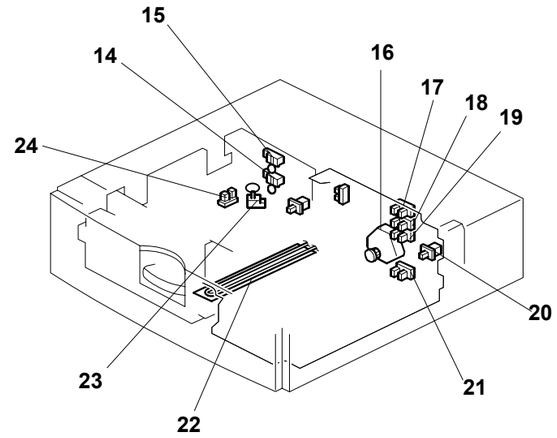
ELECTRICAL COMPONENT LAYOUT (D351)



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

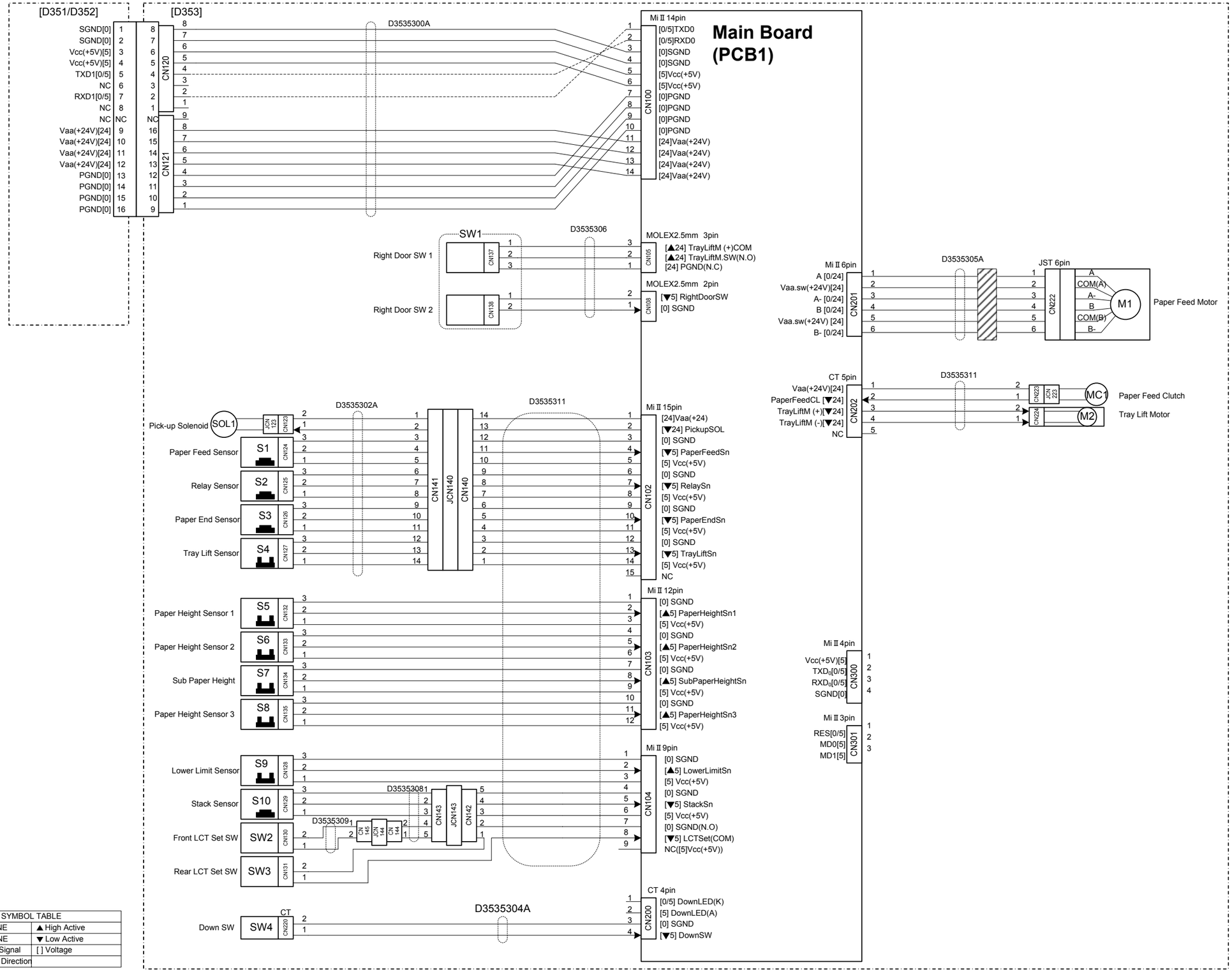
ELECTRICAL COMPONENT LAYOUT (D352)



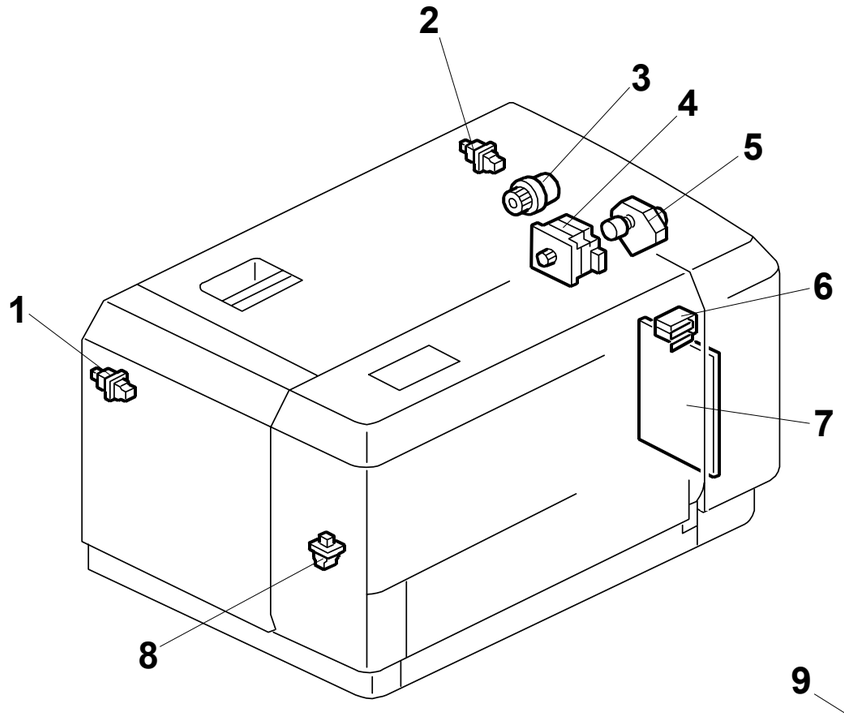


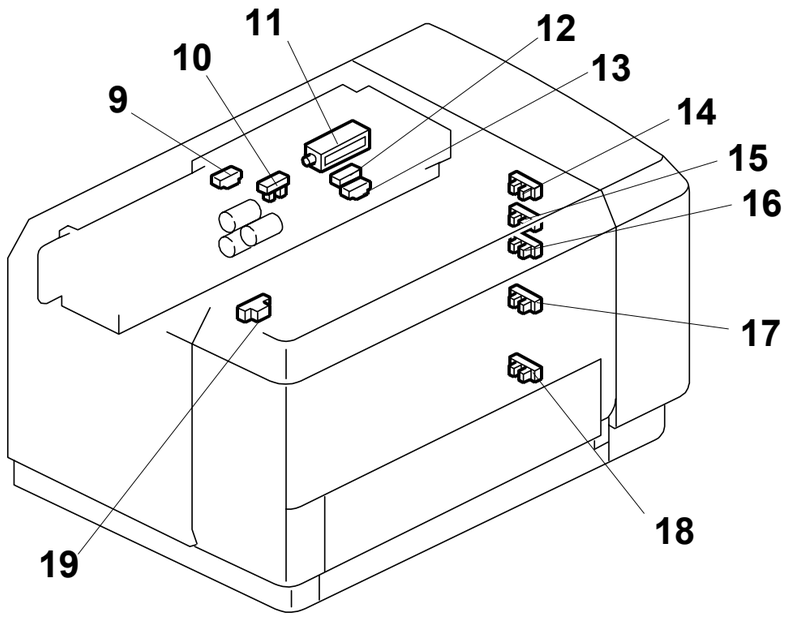
Symbol	Name	Index No.	P-to-P
Motors			
M1	Tray Motor	3	B7
M2	Tray Lift Motor	16	E3
Sensors			
S1	Paper Feed	10	C2
S2	Relay	9	C2
S3	Paper End	11	C2
S4	Lift	4	C2
S5	Paper Height 1	17	D2
S6	Paper Height 2	18	D2
S7	Paper Height 3	19	D2
S8	Lower Limit	21	D2
S9	Right Tray End Fence	2	E2
S10	End Fence HP	24	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



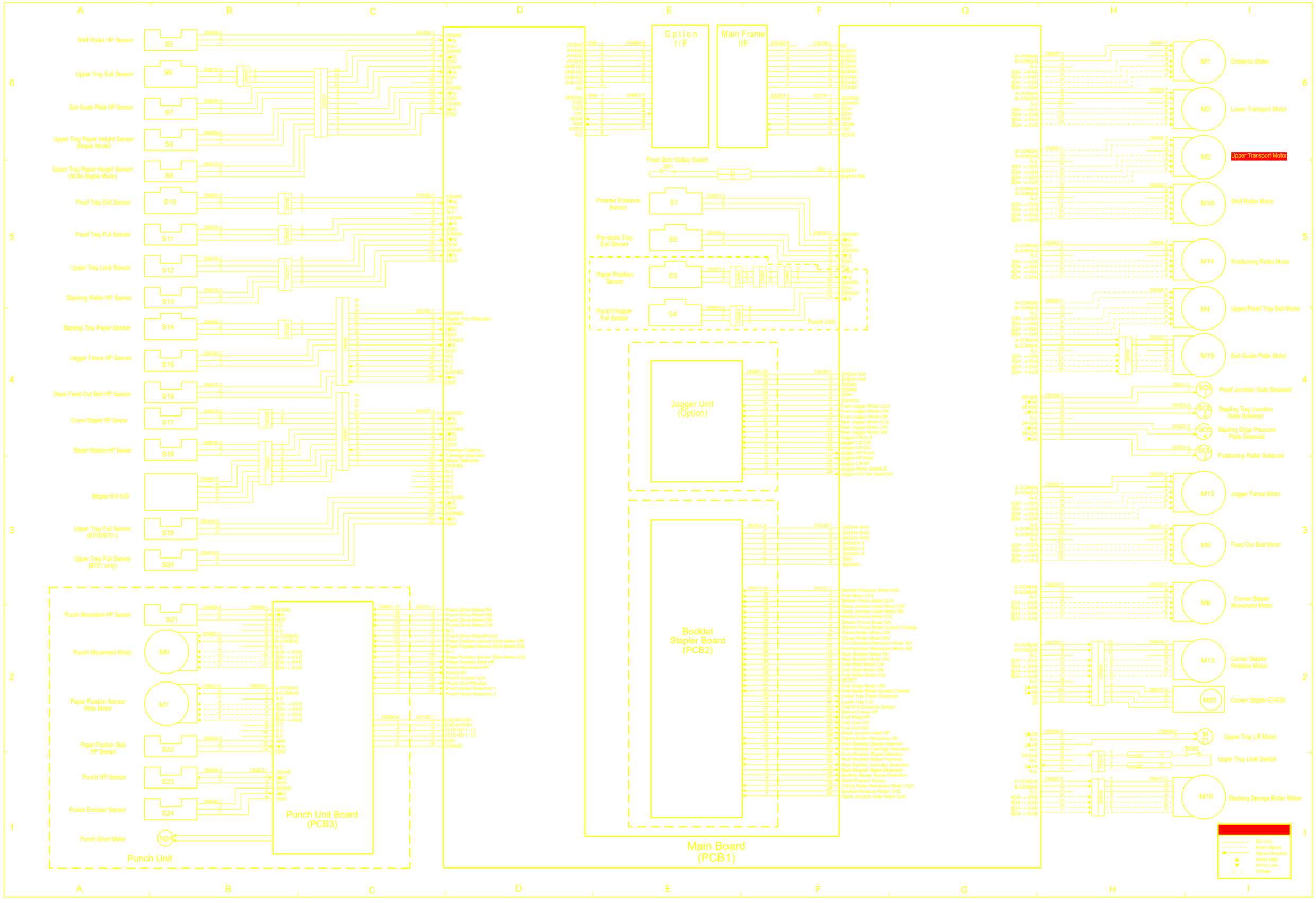
LCT 1200-Sheet (D353) ELECTRICAL COMPONENT LAYOUT



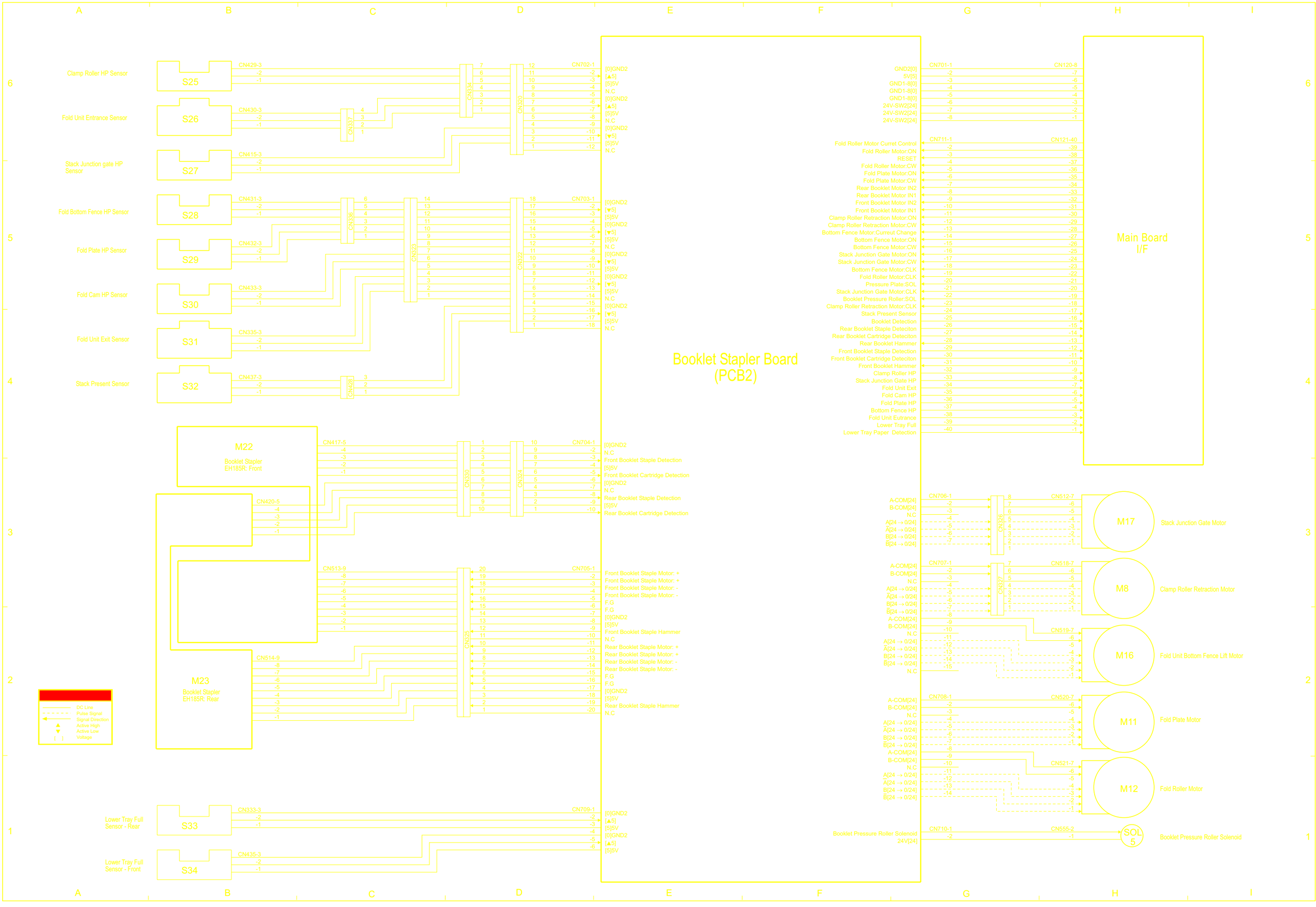


Symbol	Name	Index No.	P-to-P
Motors			
M1	Tray Motor	4	C9
M2	Tray Lift Motor	5	D9
Sensors			
S1	Paper Feed	12	D3
S2	Relay	9	D3
S3	Paper End	13	D3
S4	Tray Lift	10	E3
S5	Paper Height 1	14	E3
S6	Paper Height 2	15	E3
S7	Sub Paper Height	16	E3
S8	Paper Height 3	17	F3
S9	Lower Limit	18	F3
S10	Stack	19	F3
Solenoids			
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

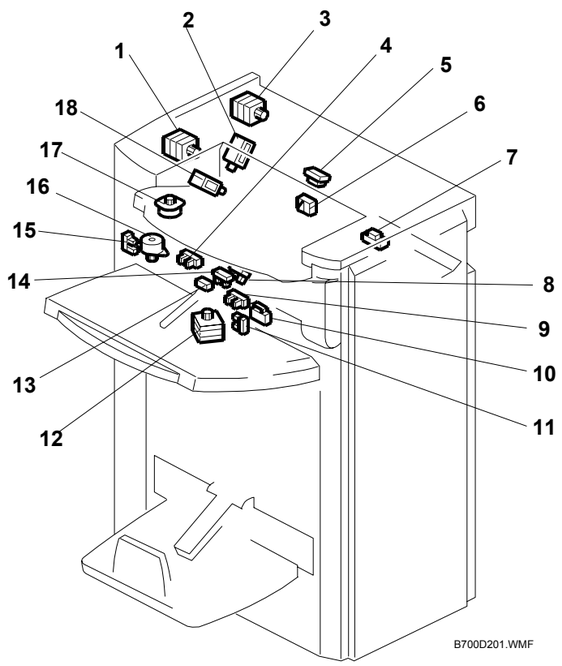
2000/3000 SHEET FINISHER(B804/B805)POINT TO POINT DIAGRAM(1/2)

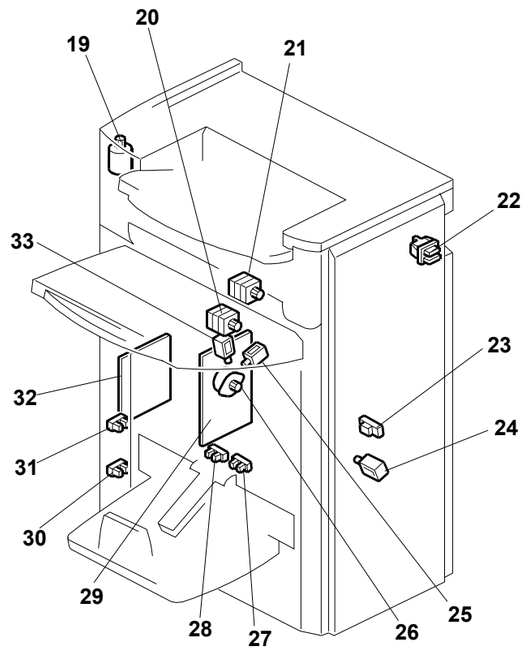


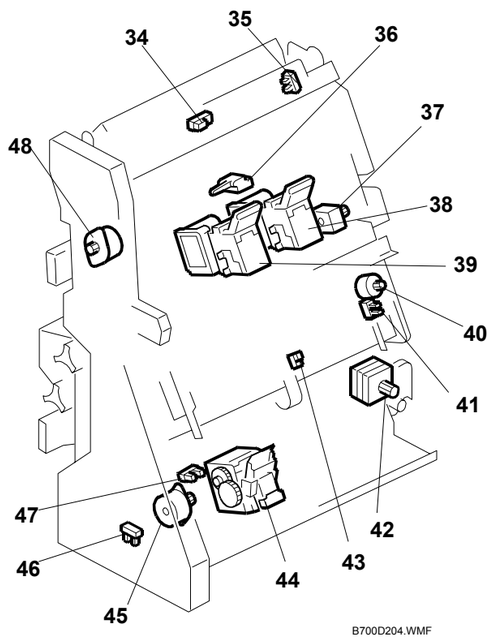
2000/3000 SHEET FINISHER(B804/B805)POINT TO POINT DIAGRAM(2/2)

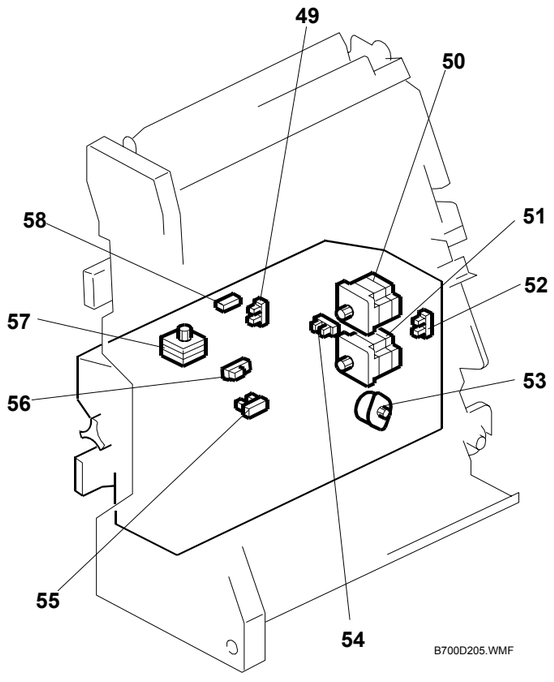


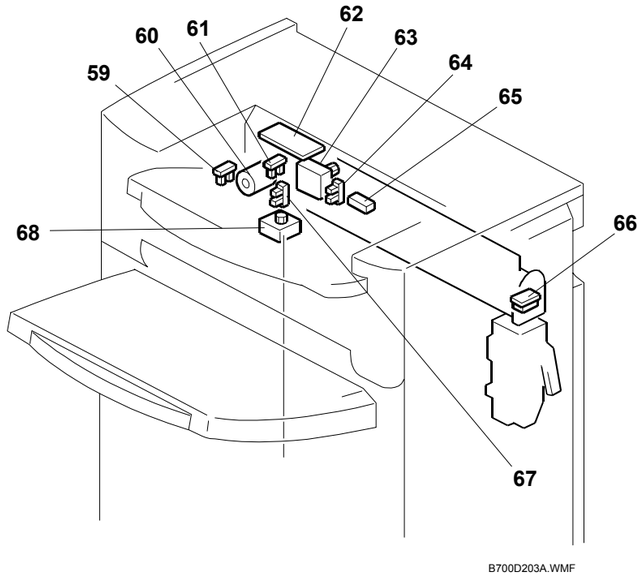
2000/3000 SHEET FINISHER (B804/B805) ELECTRICAL COMPONENT LAYOUT (1/2)









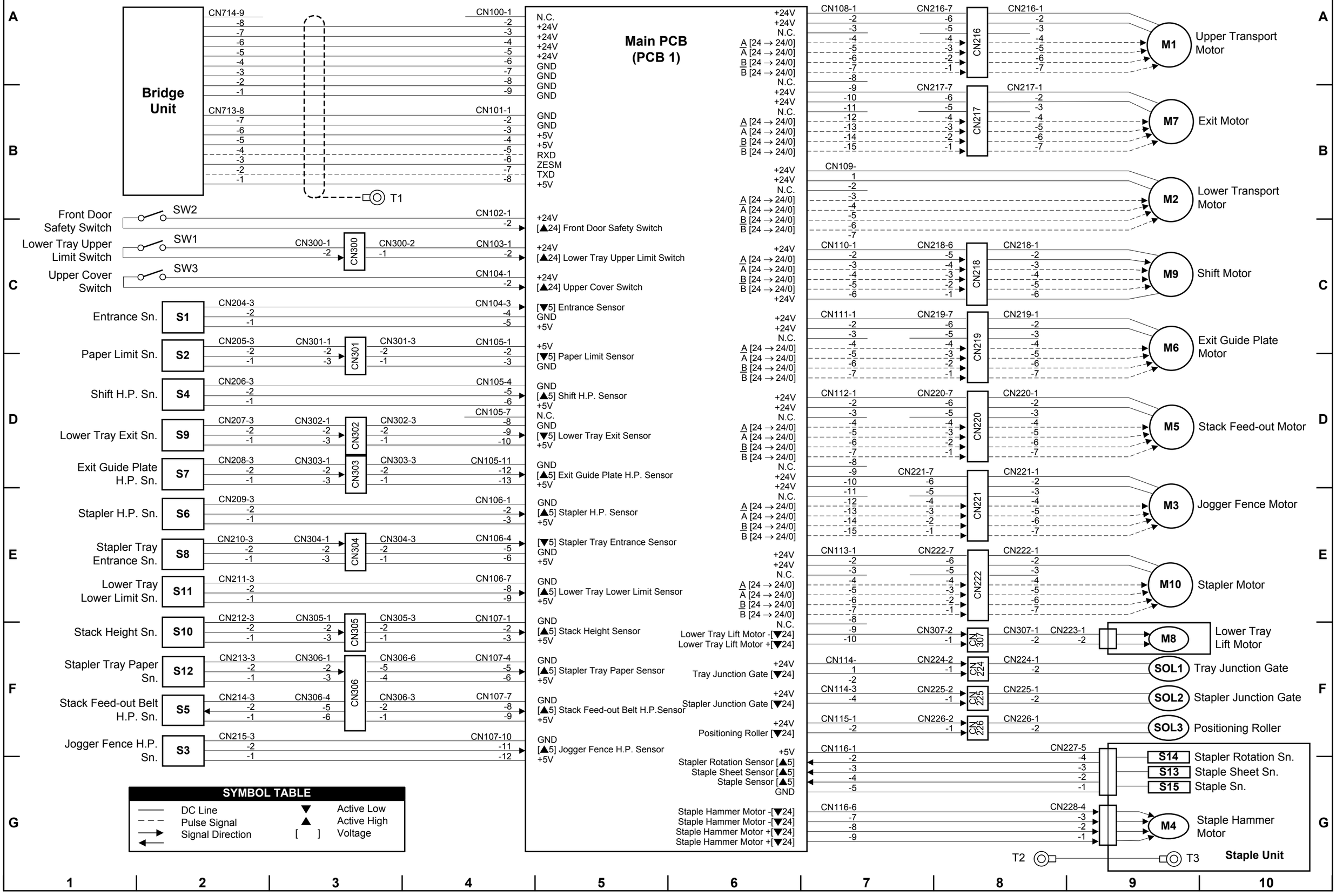


2000/3000 SHEET FINISHER (B804/B805) ELECTRICAL COMPONENT LAYOUT (2/2)

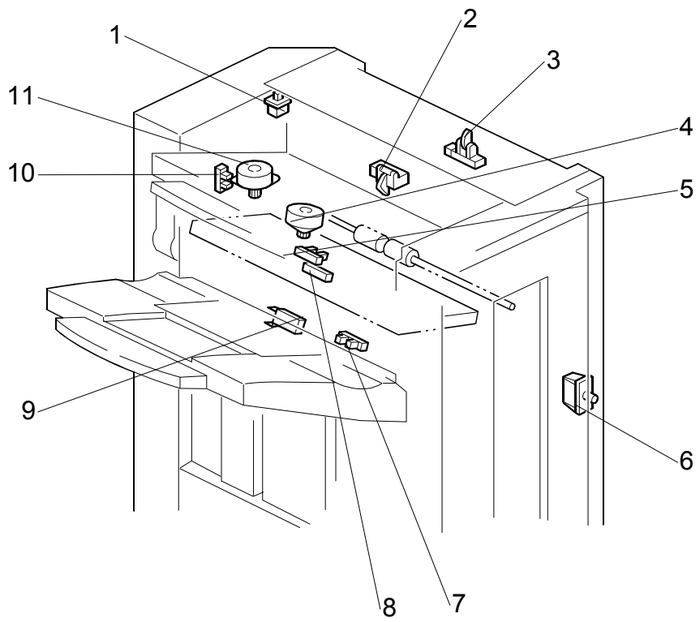
Symble	Name	Index No.	P to P	Page
Boards (PCB)				
PCB1	Main Board	29	E1	1/2
PCB2	Booklet Stapler Board	32	E4	2/2
PCB3	Punch Unit Board	62	C1	1/2
Motors				
M1	Entrance Motor	21	I6	1/2
M2	Upper Transport Motor	3	I5	1/2
M3	Lower Transport Motor	20	I6	1/2
M4	Upper/Proof Tray Exit Motor	1	I4	1/2
M5	Feed Out Belt Motor	37	I3	1/2
M6	Corner Stapler Movement Motor	42	I2	1/2
M7	Paper Position Sensor Slide	63	B2	1/2
M8	Clamp Roller Retraction Motor	57	H3	2/2
M9	Punch Movement Motor	68	B2	1/2
M10	Stacking Sponge Roller Motor	12	I1	1/2
M11	Fold Plate Motor	51	H2	2/2
M12	Fold Roller Motor	50	H1	2/2
M13	Corner Stapler Rotation Motor	45	I2	1/2
M14	Positioning Roller Motor	26	I5	1/2
M15	Jogger Fence Motor	40	I3	1/2
M16	Fold Unit Bottom Fence Lift	53	H2	2/2
M17	Stack Junction Gate Motor	48	H3	2/2
M18	Shift Roller Motor	16	15	1/2
M19	Exit Guide Plate Motor	17	I4	1/2
M20	Corner Stapler EH530	44	I2	1/2
M21	Upper Tray Lift Motor	19	I2	1/2
M22	Booklet Stapler EH185R: Front	39	B3	1/2
M23	Booklet Stapler EH185R: Rear	38	B2	1/2
M24	Punch Drive Motor	60	B1	1/2

Symble	Name	Index No.	P to P	Page
Sensors				
S1	Finisher Entrance Sensor	7	E5	1/2
S2	Pre-stack Tray Exit Sensor	23	E5	1/2
S3	Paper Position Sensor	65	E5	1/2
S4	Punch Hopper Full Sensor	66	E4	1/2
S5	Shift Roller HP Sensor	15	B6	1/2
S6	Upper Tray Exit Sensor	13	B6	1/2
S7	Exit Guide Plate HP Sensor	4	B6	1/2
S8	Upper Tray Paper Height Sensor (Staple Mode)	14	B6	1/2
S9	Upper Tray Paper Height Sensor (Non-Staple Mode)	8	B5	1/2
S10	Proof Tray Exit Sensor	5	B5	1/2
S11	Proof Tray Full Sensor	6	B5	1/2
S12	Upper Tray Limit Sensor	9	B5	1/2
S13	Stacking Roller HP Sensor	11	B5	1/2
S14	Stapling Tray Paper Sensor	43	B4	1/2
S15	Jogger Fence HP Sensor	41	B4	1/2
S16	Stack Feed-Out Belt HP Sensor	36	B4	1/2
S17	Corner Stapler HP Sensor	46	B4	1/2
S18	Stapler Rotation HP Sensor	47	B4	1/2
S19	Upper Tray Full Sensor	31	B3	1/2
S20	Upper Tray Full Sensor (B805	30	B3	1/2
S21	Punch Movement HP Sensor	67	B2	1/2
S22	Paper Position Side HP Sensor	64	B2	1/2
S23	Punch HP Sensor	61	B1	1/2
S24	Punch Encoder Sensor	59	B1	1/2
S25	Clamp Roller HP Sensor	49	B6	2/2
S26	Fold Unit Entrance Sensor	56	B6	2/2
S27	Stack Junction Gate HP Sensor	35	B5	2/2
S28	Fold Bottom Fence HP Sensor	55	B5	2/2
S29	Fold Plate HP Sensor	52	B5	2/2
S30	Fold Cam HP Sensor	54	B5	2/2
S31	Fold Unit Exit Sensor	58	B4	2/2
S32	Stack Present Sensor	34	B4	2/2
S33	Lower Tray Full Sensor - Rear	28	B1	2/2
S34	Lower Tray Full Sensor - Front	27	B1	2/2
Soleno				
SOL1	Proof Junction Gate Solenoid	18	I4	1/2
SOL2	Stapling Tray Junction Gate	2	I4	1/2
SOL3	Positioning Roller Solenoid	25	I4	1/2
SOL4	Stapling Edge Pressure Plate Solenoid	24	I4	1/2
SOL5	Booklet Pressure Roller	33	H5	2/2
Switch				
SW1	Front Door Safety Switch	22	E5	1/2
SW2	Upper Tray Limit SW	10	I1	1/2

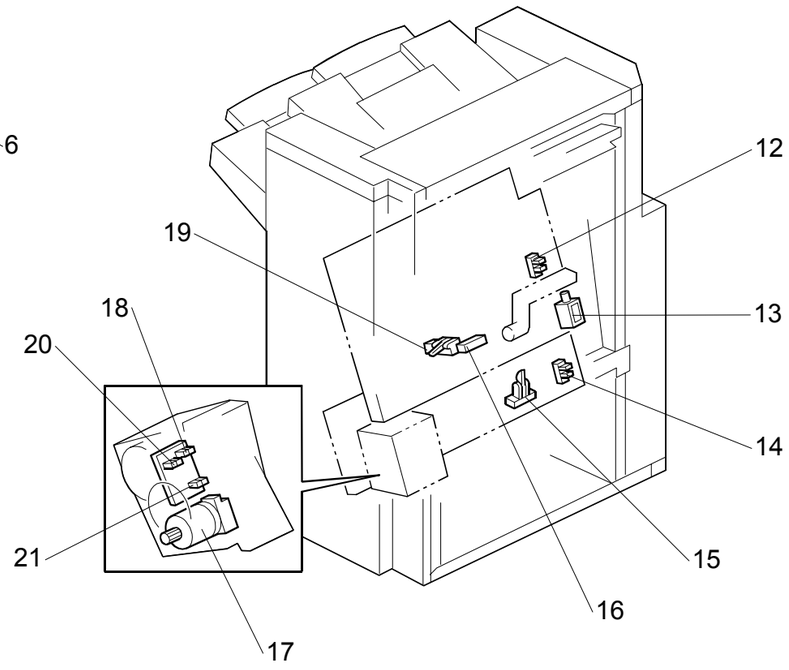
1000-SHEET FINISHER (B408) POINT TO POINT DIAGRAM



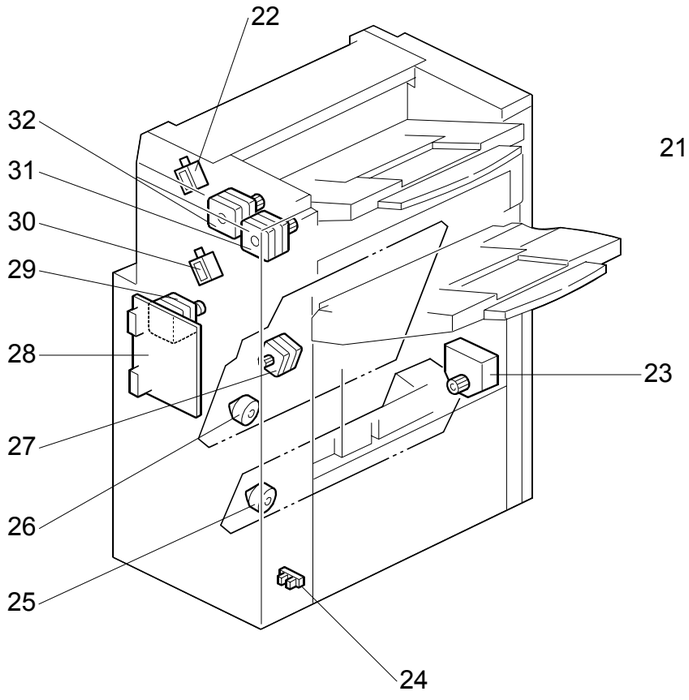
1000-SHEET FINISHER (B408) ELECTRICAL COMPONENT LAYOUT



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