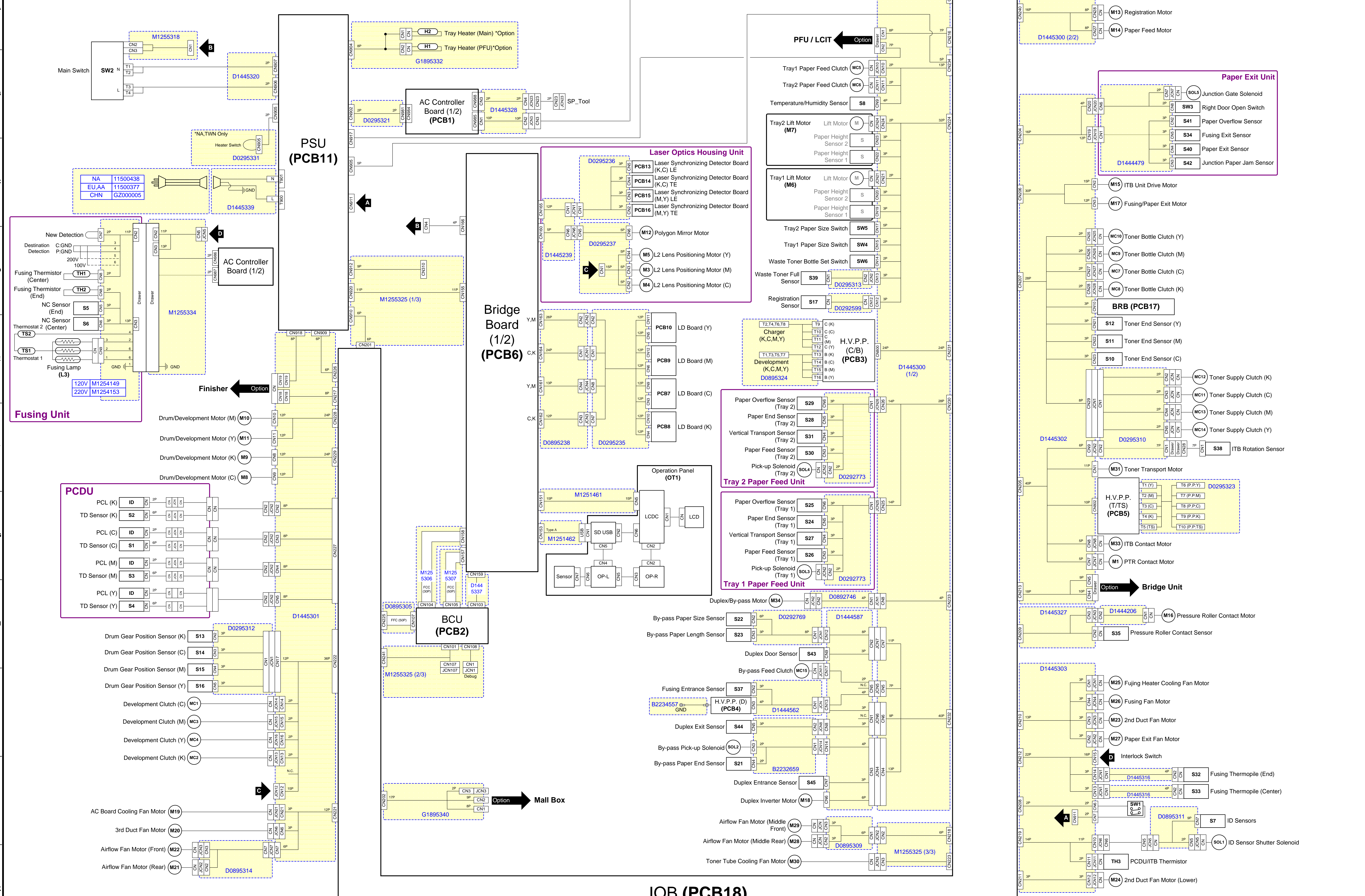


M124/M125 POINT TO POINT DIAGRAM (1/3)

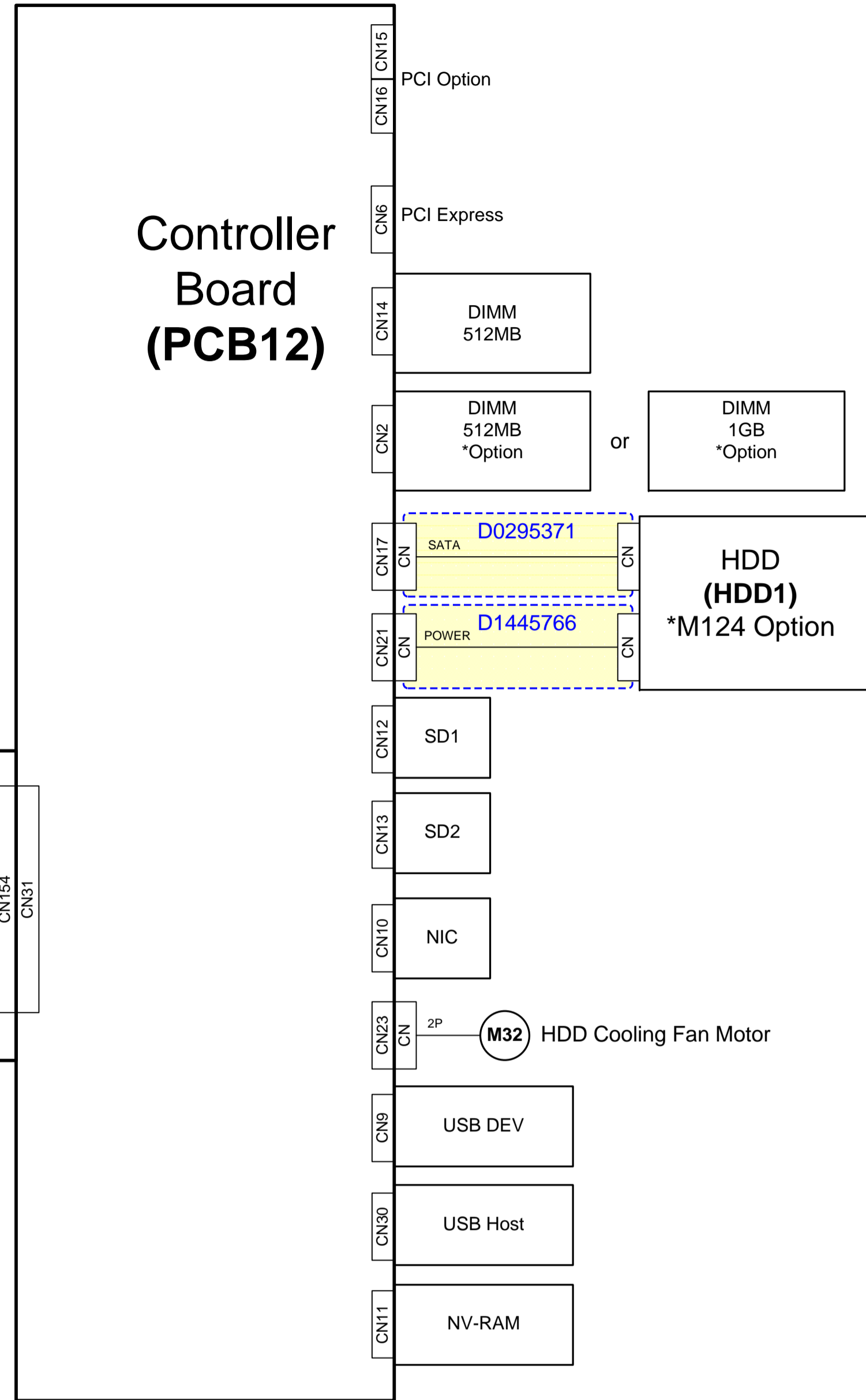


IOB (PCB18)

M124/M125 POINT TO TOINT DIAGRAM (2/3)

Controller Board (PCB12)

Bridge Board (2/2)



CN No	PCB	Pin No	Signal Name
CN161	Bridge Board	1	Yellow LD2 Data (+)
		2	Yellow LD2 Data (-)
		3	GND [0]
		4	GND [0]
		5	Yellow LD1 Data (-)
		6	Yellow LD1 Data (+)
		7	Magenta LD2 Data (+)
		8	Magenta LD2 Data (-)
		9	GND [0]
		10	GND [0]
		11	Magenta LD1 Data (-)
		12	Magenta LD1 Data (+)
		13	N.C.
CN162	Bridge Board	1	Black LD2 Data (+)
		2	Black LD2 Data (-)
		3	GND [0]
		4	GND [0]
		5	Black LD1 Data (-)
		6	Black LD1 Data (+)
		7	Cyan LD2 Data (+)
		8	Cyan LD2 Data (-)
		9	GND [0]
		10	GND [0]
		11	Cyan LD1 Data (-)
		12	Cyan LD1 Data (+)
		13	N.C.
CN163	Bridge Board	1	LD Power (+5VS)
		2	Yellow LD2 Quantity Light Adjustment DAC
		3	Yellow LD2 APC Control
		4	Yellow LD2 LD OFF
		5	GND [0]
		6	Harness VLDERR/Bridge Board GND [0]
		7	Yellow LD Error Search
		8	GND [0]
		9	Yellow LD1 LD OFF
		10	Yellow LD1 APC Control
		11	Yellow LD1 Quantity Light Adjustment DAC
		12	LD Power (+5VS)
		13	N.C.
CN164	Bridge Board	14	LD Power (+5VS)
		15	Magenta LD2 Quantity Light Adjustment DAC
		16	Magenta LD2 APC Control
		17	Magenta LD2 LD OFF
		18	GND [0]
		19	LDSV Power Error Search
		20	Magenta LD Error Search
		21	GND [0]
		22	Magenta LD1 LD OFF
		23	Magenta LD1 APC Control
		24	Magenta LD1 Quantity Light Adjustment DAC
		25	LD Power (+5VS)
		26	N.C.
CN165	Bridge Board	1	LD Power (+5VS)
		2	Cyan LD2 Quantity Light Adjustment DAC
		3	Cyan LD2 APC Control
		4	Cyan LD2 LD OFF
		5	GND [0]
		6	Harness VLDERR/Bridge Board GND [0]
		7	Cyan LD Error Search
		8	GND [0]
		9	Cyan LD1 LD OFF
		10	Cyan LD1 APC Control
		11	Cyan LD1 Quantity Light Adjustment DAC
		12	LD Power (+5VS)
		CN166	Bridge Board
14	Black LD2 Quantity Light Adjustment DAC		
15	Black LD2 APC Control		
16	Black LD2 LD OFF		
17	GND [0]		
18	Harness VLDERR/Bridge Board GND [0]		
19	Black LD Error Search		
20	GND [0]		
21	Black LD1 LD OFF		
22	Black LD1 APC Control		
23	Black LD1 Quantity Light Adjustment DAC		
24	LD Power (+5VS)		
CN167	Bridge Board		
		2	Power
		3	GND [0]
		4	Laser Synchronizing Detector Board (M,Y) LE Sig
		5	Power
		6	GND [0]
		7	Laser Synchronizing Detector Board (K,C) TE Sig
		8	Power
		9	GND [0]
		10	Laser Synchronizing Detector Board (K,C) LE Sig
		11	Power
		12	GND [0]
		CN168	Bridge Board
2	GND [0]		
3	Polygon Mirror Motor ON		
4	Polygon Mirror Motor Ready		
5	Polygon Mirror Motor Clock		
CN169	Bridge Board	1	REON DC N
		2	SVE
		3	ACSWON N
		4	GND [0]
		1	GND [0]
		2	GND [0]
		3	GND [0]
		4	SDMODE N
		5	LDET IN N OPU
		6	ENG ENABLE N OPU
		7	POMENG N OPU
		8	ECO SW N
		9	PROKUSB
		10	OPE CTLERR N OPU
		11	OPE LED N
12	SVE LPS		
13	SVE LPS		
14	SVE LPS		
15	SVE LPS		
CN170	Bridge Board	1	LPS
		2	USBOD (-)
		3	USBOD (+)
		4	GND [0]

CN No	PCB	Pin No	Signal Name
CN101	BCU	A1	GND [0]
		A2	ADF UART Transmission
		A3	ADF UART Reception
		A4	ADF Scanner Gate Signal
		A5	Scanner Drive Motor Error Signal
		A6	Scanner Drive Motor Enabling Signal
		A7	Scanner Drive Motor Mode 1 Signal
		A8	Scanner Drive Motor Mode 2 Signal
		A9	Scanner Drive Motor Clock Signal
		A10	Scanner Drive Motor Rotatory direction Signal
		A11	Scanner Drive Motor Reset Signal
		A12	Scanner Drive Motor Standard Voltage1 Signal
		A13	Scanner Drive Motor Standard Voltage2 Signal
		A14	Scanner Drive Motor Standard Voltage3 Signal
		A15	GND [0]
CN108	BCU	B1	GND [0]
		B2	Scanner(SBU)Power ON Signal
		B3	LED Error Signal
		B4	Lamp ON Signal
		B5	Platen Cover Sensor Signal
		B6	Scanner HP Sensor Signal
		B7	Original Size 5 Detection Signal
		B8	Unused
		B9	Original Size 3 Detection Signal
		B10	Original Size 5 Detection Signal
		B11	Original Size Detection ON Signal
		B12	Original Size Detection ON Signal
		B13	Return Factor Sensor Power ON Signal
		B14	ADF Original Set Detection Signal
		B15	GND [0]
CN104	BCU	1	5V Power
		2	UART Reception Data
		3	UART Transmission Data
		4	GND [0]
		1	SynchronizationSerial Transfer Clock
		2	SynchronizationSerialCS
		3	SynchronizationSerial Reception Data
		4	SynchronizationSerial Transmission Data
		5	Standard white board domain Effective Signal
		6	Manuscript reading domain Effective Signal
		7	GND [0]
		8	LVDS OE Control (CIS)
		9	LVDS OE Control (SBU)
		10	SMD Error Signal
		11	ADF Original Set Detection Signal
12	Registration Sensor Signal		
13	GND [0]		
14	Return Factor Sensor Power ON Signal		
15	IPU Interrupt (LEO/SICILY)		
16	Normal Mode Up		
17	SZM Reset		
18	FUKKI Signal		
19	GND [0]		
20	SLEEP Signal		
21	M2P Reset		
22	Trash Detection Signal		
23	PSU Power Control Signal		
24	LED Error Signal		
25	GND [0]		
26	Synchronization Serial Reception Data		
27	Synchronization Serial Mode		
28	Synchronization Serial Transmission Data		
29	Synchronization Serial CS		
30	Synchronization Serial Transfer Clock		
CN105	BCU	1	Chip Select0 Signal (LYRA)
		2	Chip Select 1 Signal (Sisily)
		3	Chip Select 2 Signal (Not)
		4	Chip Select 3 Signal (Not)
		5	Chip Select 4 Signal (RI)
		6	Chip Select 5 Signal (ICIB)
		7	GND [0]
		8	Address Bus 14
		9	Address Bus 15
		10	Address Bus 16
		11	Address Bus 17
		12	Address Bus 18
		13	Address Bus 19
		14	Address Bus 20
		15	Address Bus 21
16	Address Bus 22		
17	GND [0]		
18	Address Bus 23		
19	Address Bus 24		
20	Address Bus 25		
21	Address Bus 26		
22	Address Bus 27		
23	Address Bus 28		
24	Address Bus 29		
25	Address Bus 30		
26	GND [0]		
27	Data Bus 0		
28	Data Bus 1		
29	Data Bus 2		
30	Data Bus 3		
31	Data Bus 4		
32	Data Bus 5		
33	Data Bus 6		
34	Data Bus 7		
35	GND [0]		
36	Data Bus 8		
37	Data Bus 9		
38	Data Bus 10		
39	Data Bus 11		
40	Data Bus 12		
41	Data Bus 13		
42	Data Bus 14		
43	Data Bus 15		
44	GND [0]		
45	Address Bus 31		
46	IPU Lead Signal		
47	IPU Light Signal		
48	Address Latch Enable		
49	Unused		
50	GND [0]		
CN103	BCU	1	[5]
		2	[3.3]
		3	GND [0]

CN No	PCB	Pin No	Signal Name
CN917	PSU	1	PFULCIT GND [0]
		2	PFULCIT GND [0]
		3	PFULCIT GND [0]
		4	PFULCIT [24]
		5	PFULCIT [24]
CN918	PSU	6	PFULCIT [24]
		7	PFULCIT [24]
		1	Finisher GND [0]
		2	Finisher GND [0]
		3	Finisher GND [0]
CN911	PSU	4	Finisher GND [0]
		5	Finisher [24]
		6	Finisher [24]
		7	Finisher [24]
		8	Finisher [24]
CN902	PSU	9	N.C.
		1	24VS2-ON
		2	24VS1-ON
		1	AC-IN/L
		2	AC-IN/R
CN904	PSU	1	AC-L-IH
		2	AC-N-IH
		1	AC-L-SCAN
		2	AC-L-PCU
		3	AC-L-FEED
CN905	PSU	4	AC-L-BANK
		5	AC-N-SCAN
		6	AC-N-PCU
		7	AC-N-FEED
		8	AC-N-BANK
CN910	PSU	1	AC-L-ON
		2	AC-L
		1	5V
		2	GND [0]
		3	GND [0]
CN912	PSU	4	GND [0]
		5	GND [0]
		6	Ap 24V,At GND [0]
		7	[24]
		8	[24]
CN920	PSU	9	Ap 24V,At N.C.
		1	5VS
		2	[5]
		3	[5]
		4	GND [0]
CN907	PSU	5	GND [0]
		6	[24]
		7	N.C.
		8	5VE
		9	5VE
10	GND [0]		
11	GND [0]		
1	AC-N		
2	AC-N-ON		

CN No	PCB	Pin No	Signal Name
CN988	AC Contro Board	1	AC Contro Board Relay SP tool [24]
		2	AC Contro Board Relay SP tool TRG
CN986	AC Contro Board	1	HT1,2,4/L
		2	HT1/N
CN987	AC Contro Board	1	HT2/N
		2	HT4/N
CN11	PCB	T16	Development Y
		T2	Charger Y
		T3	Development M
		T4	Charger M
		T5	Development C
		T6	Charger C
		T7	Development K
		T8	Charger K
		T9	T Y
		T10	T C
		T11	T M
T12	T K		
T13	T S		

M124/M125 POINT TO POINT DIAGRAM (3/3)

CN No	PCB	Pin No	Signal Name
CN216	IOB	1	N.C.
		2	PFULCIT RXD
		3	PFULCIT TXD
		4	PFULCIT GND [0]
		5	PFULCIT GND [0]
		6	PFULCIT [5]
		7	PFULCIT GND [0]
		A1	Registration Sensor GND [0]
		A2	Registration Sensor Detection
		A3	Registration Sensor [5]
		A4	Waste Toner Full Sensor GND [0]
		A5	Waste Toner Full Sensor Detection
		A6	Waste Toner Full Sensor [5]
		A7	Waste Toner Bottle Set Switch Detection
		A8	Waste Toner Bottle Set Switch GND [0]
		A9	Tray1 Paper Size Switch Detection
A10	Tray1 Paper Size Switch GND [0]		
A11	Tray2 Paper Size Switch 1		
A12	Tray2 Paper Size Switch 2		
A13	Tray2 Paper Size Switch 3		
A14	Tray2 Paper Size Switch GND [0]		
A15	Tray2 Paper Size Switch 4		
A16	N.C.		
B1	Tray1 Lift Motor GND [0]		
B2	Tray1 Lift Motor Paper Height Sensor 1		
B3	Tray1 Lift Motor [5]		
B4	Tray1 Lift Motor GND [0]		
B5	Tray1 Lift Motor Paper Height Sensor 2		
B6	Tray1 Lift Motor [5]		
B7	Tray1 Lift Motor Control (-)		
B8	Tray1 Lift Motor Control (+)		
B9	Tray2 Lift Motor GND [0]		
B10	Tray2 Lift Motor Paper Height Sensor 1		
B11	Tray2 Lift Motor [5]		
B12	Tray2 Lift Motor GND [0]		
B13	Tray2 Lift Motor Paper Height Sensor 2		
B14	Tray2 Lift Motor [5]		
B15	Tray2 Lift Motor Control (-)		
B16	Tray2 Lift Motor Control (+)		
1	H.V.P.P. CB Charger AC K FB 1		
2	H.V.P.P. CB Charger AC M FB 2		
3	H.V.P.P. CB Charger AC M FB 3		
4	H.V.P.P. CB Charger AC Y FB 4		
5	H.V.P.P. CB Charger Filter Reshuffling		
6	H.V.P.P. CB Development Y PWM 4		
7	H.V.P.P. CB Development M PWM 3		
8	H.V.P.P. CB Development C PWM 2		
9	H.V.P.P. CB Development K PWM 1		
10	H.V.P.P. CB SC Search		
11	H.V.P.P. CB GND [0]		
12	H.V.P.P. CB +24VS2		
13	H.V.P.P. CB +24VS2		
14	H.V.P.P. CB GND [0]		
15	H.V.P.P. CB Charger DC K PWM 1		
16	H.V.P.P. CB Charger DC C PWM 2		
17	H.V.P.P. CB Charger DC M PWM 3		
18	H.V.P.P. CB Charger DC Y PWM 4		
19	H.V.P.P. CB Charger AC K PWM 1		
20	H.V.P.P. CB Charger AC M PWM 2		
21	H.V.P.P. CB Charger AC M PWM 3		
22	H.V.P.P. CB Charger AC Y PWM 4		
23	H.V.P.P. CB Charger AC Frequency		
24	H.V.P.P. CB Charger Trigger Signal		

CN No	PCB	Pin No	Signal Name
CN224	IOB	1	Drum/Development Motor K Gain
		2	Drum/Development Motor K CLock
		3	Drum/Development Motor K Brake
		4	Drum/Development Motor K Rotatory direction
		5	Drum/Development Motor K Start
		6	Drum/Development Motor K Lock
		7	Drum/Development Motor K [5]
		8	Drum/Development Motor K GND [0]
		9	Drum/Development Motor K GND [0]
		10	Drum/Development Motor K GND [0]
		11	Drum/Development Motor K +24VS2
		12	Drum/Development Motor K +24VS2
		13	Drum/Development Motor C Gain
		14	Drum/Development Motor C CLock
		15	Drum/Development Motor C Brake
		16	Drum/Development Motor C Rotatory direction
		17	Drum/Development Motor C Start
		18	Drum/Development Motor C Lock
		19	Drum/Development Motor C GND [0]
		20	Drum/Development Motor C GND [0]
		21	Drum/Development Motor C GND [0]
		22	Drum/Development Motor C GND [0]
		23	Drum/Development Motor C +24VS2
		24	Drum/Development Motor C +24VS2

CN No	PCB	Pin No	Signal Name
CN226	IOB	1	PSU Zero Cross Signal
		2	PSU Fusing Lamp TRIAC Control
		3	PSU Fusing Lamp Relay Control
		4	PSU Fusing Lamp Relay 24V Power
		5	PSU Tray Heater Relay Control

CN No	PCB	Pin No	Signal Name
CN217	IOB	1	N.C.
		2	Finisher RXD
		3	N.C.
		4	Finisher TXD
		5	Finisher [5]
		6	Finisher [5]
		7	Finisher GND [0]
		8	Finisher GND [0]

CN No	PCB	Pin No	Signal Name
CN204	IOB	1	Right Door Open Switch Detection
		2	Right Door Open Switch GND [0]
		3	Junction Gate Solenoid +24VS1
		4	Junction Gate Solenoid PWM
		5	Junction Paper Jam Sensor GND [0]
		6	Junction Paper Jam Sensor Detection
		7	Junction Paper Jam Sensor [5]
		8	Junction Paper Jam Sensor GND [0]
		9	Junction Paper Jam Sensor Detection
		10	Junction Paper Jam Sensor [5]
		11	Fusing Exit Sensor [5]
		12	Fusing Exit Sensor Detection
		13	Fusing Exit Sensor GND [0]
		14	Paper Overflow Sensor GND [0]
		15	Paper Overflow Sensor Detection
		16	Paper Overflow Sensor [5]

CN No	PCB	Pin No	Signal Name
CN232	IOB	A1	Duplex Entrance Sensor GND [0]
		A2	Duplex Entrance Sensor Detection
		A3	Duplex Entrance Sensor [5]
		A4	Duplex Inverter Motor B
		A5	Duplex Inverter Motor +24VS2
		A6	Duplex Inverter Motor A
		A7	Duplex Inverter Motor B
		A8	Duplex Inverter Motor +24VS2
		A9	Duplex Inverter Motor A
		A10	By-pass Paper End Sensor Detection
		A11	By-pass Paper End Sensor GND [0]
		A12	By-pass Pick-up Solenoid +24VS2
		A13	By-pass Pick-up Solenoid Control
		A14	H.V.P.P. D SC Search
		A15	H.V.P.P. D Separation PWM
		A16	H.V.P.P. D Separation PWM AC
		A17	H.V.P.P. D GND [0]
		A18	H.V.P.P. D +24VS2
		A19	By-pass Feed Clutch +24VS2
		A20	By-pass Feed Clutch Control
		B1	Fusing Entrance Sensor GND [0]
		B2	Fusing Entrance Sensor Detection
		B3	Fusing Entrance Sensor [5]
		B4	N.C.
B5	N.C.		
B6	N.C.		
B7	Fusing Exit Sensor GND [0]		
B8	Fusing Exit Sensor Detection		
B9	Fusing Exit Sensor [5]		
B10	Duplex Door Sensor GND [0]		
B11	Duplex Door Sensor Detection		
B12	Duplex Door Sensor [5]		
B13	By-pass Paper Length Sensor GND [0]		
B14	By-pass Paper Length Sensor Detection		
B15	By-pass Paper Length Sensor [5]		
B16	By-pass Paper Size Sensor Detection		
B17	By-pass Paper Size Sensor Detection 1		
B18	By-pass Paper Size Sensor GND [0]		
B19	By-pass Paper Size Sensor Detection 4		
B20	By-pass Paper Size Sensor Detection 3		

CN No	PCB	Pin No	Signal Name
CN233	IOB	1	DuplexBy-pass Motor A
		2	DuplexBy-pass Motor B
		3	AC Control Board Zero Cross Signal
		4	DuplexBy-pass Motor B

CN No	PCB	Pin No	Signal Name
CN240	IOB	1	Paper Feed Motor GND [0]
		2	Paper Feed Motor [5]
		3	Paper Feed Motor GND [0]
		4	Paper Feed Motor Brake

CN No	PCB	Pin No	Signal Name
CN240	IOB	5	Paper Feed Motor PWM
		6	Paper Feed Motor Rotatory direction
		7	Paper Feed Motor Encoder B
		8	Paper Feed Motor Encoder A
		9	Registration Motor +24VS1
		10	Registration Motor GND [0]
		11	Registration Motor [5]
		12	Registration Motor Brake
		13	Registration Motor PWM
		14	Registration Motor Rotatory direction
		15	Registration Motor Encoder B
		16	Registration Motor Encoder A

CN No	PCB	Pin No	Signal Name
CN205	IOB	1	Toner Transport Motor Clock
		2	Toner Transport Motor Rotatory direction
		3	Toner Transport Motor Start
		4	Toner Transport Motor Lock
		5	Toner Transport Motor [5]
		6	Toner Transport Motor GND [0]
		7	Toner Transport Motor GND [0]
		8	Toner Transport Motor GND [0]
		9	Toner Transport Motor +24VS1
		10	Toner Transport Motor +24VS1
		11	H.V.P.P. TTS SC Search
		12	H.V.P.P. TTS PTR - FB
		13	H.V.P.P. TTS PTR - PWM
		14	H.V.P.P. TTS PTR + PWM
		15	H.V.P.P. TTS ITB Y PWM
		16	H.V.P.P. TTS ITB M PWM
		17	H.V.P.P. TTS ITB C PWM
		18	H.V.P.P. TTS ITB K PWM
		19	H.V.P.P. TTS GND [0]
		20	H.V.P.P. TTS +24VS1
		21	ITB Contact Motor [5]
		22	ITB Contact Motor HP Detection
		23	ITB Contact Motor GND [0]
		24	ITB Contact Motor Control (-)
		25	ITB Contact Motor Control (+)
		26	PTR Contact Motor [5]
		27	PTR Contact Motor HP Detection
		28	PTR Contact Motor GND [0]
		29	PTR Contact Motor Control (-)
		30	PTR Contact Motor Control (+)
		31	ITB Unit Drive Motor Lock
		32	ITB Unit Drive Motor GND [0]
33	ITB Unit [5]		
34	ITB Unit GND [0]		
35	ITB Unit ITB New Detection		
36	ITB Unit +24VS1		
37	ID-chip Board [5]		
38	ID-chip Board SDA		
39	ID-chip Board GND [0]		
40	ID-chip Board SCL		
1	ITB Unit Drive Motor Gain B		
2	ITB Unit Drive Motor Control		
3	ITB Unit Drive Motor Encoder		
4	ITB Unit Drive Motor Gain A		
5	ITB Unit Drive Motor Clock		
6	ITB Unit Drive Motor Brake		
7	ITB Unit Drive Motor Rotatory direction		
8	ITB Unit Drive Motor Start		
9	ITB Unit Drive Motor Lock		
10	ITB Unit Drive Motor [5]		
11	ITB Unit Drive Motor GND [0]		
12	ITB Unit Drive Motor GND [0]		
13	ITB Unit Drive Motor GND [0]		
14	ITB Unit Drive Motor +24VS1		
15	ITB Unit Drive Motor +24VS1		
16	Fusing/Paper Exit Motor Gain		
17	Fusing/Paper Exit Motor Lock		
18	Fusing/Paper Exit Motor Brake		
19	Fusing/Paper Exit Motor Rotatory direction		
20	Fusing/Paper Exit Motor Start		
21	Fusing/Paper Exit Motor Lock		
22	Fusing/Paper Exit Motor [5]		
23	Fusing/Paper Exit Motor GND [0]		
24	Fusing/Paper Exit Motor GND [0]		
25	Fusing/Paper Exit Motor GND [0]		
26	Fusing/Paper Exit Motor +24VS1		
27	Fusing/Paper Exit Motor +24VS1		
28	N.C.		
29	N.C.		
30	N.C.		

CN No	PCB	Pin No	Signal Name
CN234	IOB	1	PSU +5VE
		2	PSU SBU Power ON Signal
		3	PSU +24VS2
		4	PSU Cooling Fan Motor Control
		5	PSU [5] Control
		6	Temperature/Humidity Sensor Temperature FB
		7	Temperature/Humidity Sensor GND [0]
		8	Temperature/Humidity Sensor Humidity FB
		9	Temperature/Humidity Sensor [5]
		10	Tray1 Paper Feed Clutch +24VS2
		11	Tray1 Paper Feed Clutch Control
		12	Tray2 Paper Feed Clutch +24VS2
		13	Tray2 Paper Feed Clutch Control
		A1	Pick-up Solenoid Tray 1 +24VS2
A2	Pick-up Solenoid Tray 1 Control		
A3	Paper Feed Sensor Tray 1 GND [0]		
A4	Paper Feed Sensor Tray 1 Detection		
A5	Paper Feed Sensor Tray 1 [5]		
A6	Vertical Transport Sensor Tray 1 GND [0]		
A7	Vertical Transport Sensor Tray 1 Detection		
A8	Vertical Transport Sensor Tray 1 [5]		
A9	Paper End Sensor Tray 1 GND [0]		
A10	Paper End Sensor Tray 1 Detection		
A11	Paper End Sensor Tray 1 [5]		
A12	Paper Overflow Sensor Tray 1 GND [0]		
A13	Paper Overflow Sensor Tray 1 Detection		
A14	Paper Overflow Sensor Tray 1 [5]		
B1	Pick-up Solenoid Tray 2 +24VS2		
B2	Pick-up Solenoid Tray 2 Control		
B3	Paper Feed Sensor GND [0]		
B4	Paper Feed Sensor Detection		
B5	Paper Feed Sensor [5]		
B6	Vertical Transport Sensor GND [0]		
B7	Vertical Transport Sensor Detection		
B8	Vertical Transport Sensor [5]		
B9	Paper End Sensor Tray 2 GND [0]		
B10	Paper End Sensor Tray 2 Detection		
B11	Paper End Sensor Tray 2 [5]		
B12	Paper Overflow Sensor Tray 2 GND [0]		
B13	Paper Overflow Sensor Tray 2 Detection		
B14	Paper Overflow Sensor Tray 2 [5]		
1	AC Control Board Relay Signal		
2	AC Control Board Relay Signal		
3	AC Control Board Zero Cross Signal		
4	AC Control Board Fusing HT Relay 24V		
5	AC Control Board GND [0]		
6	AC Control Board HT1 Triac Control		
7	AC Control Board HT3 Triac Control		
8	AC Control Board Relay Signal2		
9	AC Control Board Zero Cross Signal3		
10	AC Control Board IH Voltage FB		

CN No	PCB	Pin No	Signal Name
CN239	IOB	A1	Toner Supply Clutch K +24VS1
		A2	Toner Supply Clutch K Control
		A3	Toner Supply Clutch C +24VS1
		A4	Toner Supply Clutch C Control
		A5	Toner Supply Clutch M +24VS1
		A6	Toner Supply Clutch M Control
		A7	Toner Supply Clutch Y +24VS1
		A8	Toner Supply Clutch Y Control
		A9	Toner Bottle Clutch K +24VS1
		A10	Toner Bottle Clutch K Control

CN No	PCB	Pin No	Signal Name
CN207	IOB	A11	Toner Bottle Clutch C +24VS1
		A12	Toner Bottle Clutch C Control
		A13	Toner Bottle Clutch M +24VS1
		A14	Toner Bottle Clutch M Control
		B1	Toner Bottle Clutch Y +24VS1
		B2	Toner Bottle Clutch Y Control
		B3	Toner End Sensor Y Detection
		B4	Toner End Sensor Y GND [0]
		B5	Toner End Sensor Y [5]
		B6	Toner End Sensor M Detection
		B7	Toner End Sensor M GND [0]
		B8	Toner End Sensor M [5]
		B9	Toner End Sensor C Detection
		B10	Toner End Sensor C GND [0]
B11	Toner End Sensor C [5]		
B12	Toner End Sensor K Detection		
B13	Toner End Sensor K GND [0]		
B14	Toner End Sensor K [5]		

CN No	PCB	Pin No	Signal Name
CN213	IOB	A1	Bridge Unit / Tray Unit GND [0]
		A2	Bridge Unit / Tray Unit SV
		A3	Bridge Unit / Tray Unit N.C.
		A4	Bridge Unit / Tray Unit Transport Sensor
		A5	Bridge Unit / Tray Unit Junction Paper Jam Sensor
		A6	Bridge Unit / Tray Unit Motor RST
		A7	Bridge Unit / Tray Unit Motor Electric Reshuffling
		A8	Bridge Unit / Tray Unit GND [0]
		A9	Bridge Unit / Tray Unit [24]
		B1	Bridge Unit / Tray Unit [24]
		B2	Bridge Unit / Tray Unit GND [0]
		B3	Bridge Unit / Tray Unit Motor Enabling
		B4	Bridge Unit / Tray Unit Set Detection
		B5	Bridge Unit / Tray Unit Junction Gate SOL PWM
B6	Bridge Unit / Tray Unit Motor Clock		
B7	Bridge Unit / Tray Unit Cooling Fan Motor Control		
B8	Bridge Unit / Tray Unit Transport Cover Detection		
B9	Bridge Unit / Tray Unit Exit Cover Detection		
1	ID Sensors TM F FB		
2	ID Sensors TM C FB		
3	ID Sensors TM R FB		
4	ID Sensors TM F PWM		
5	ID Sensors TM C PWM		
6	ID Sensors TM R PWM		
7	ID Sensors P Diffused Reflection FB		
8	ID Sensors GND [0]		
9	ID Sensors [5]		
10	ID Sensor Shutter Solenoid +24VS1		
11	ID Sensor Shutter Solenoid Control		
12	PCDU/ITB Thermistor FB		
13	PCDU/ITB Thermistor GND [0]		
14	N.C.		

CN No	PCB	Pin No	Signal Name
CN221	IOB	1	3rd Duct Fan Motor [24]
		2	3rd Duct Fan Motor Lock
		3	3rd Duct Fan Motor Control
		4	Airflow Fan Motor (Front) [24]
		5	Airflow Fan Motor (Front) Lock
		6	Airflow Fan Motor (Front) Control
		7	Airflow Fan Motor (Rear) [24]
		8	Airflow Fan Motor (Rear) Lock
		9	Airflow Fan Motor (Rear) Control
		10	AC Board Cooling Fan Motor [24]
		11	AC Board Cooling Fan Motor Lock
		12	AC Board Cooling Fan Motor Control
CN222	IOB	A1	Drum Gear Position Sensor K GND [0]
		A2	Drum Gear Position Sensor K Detection
		A3	Drum Gear Position Sensor K [5]
		A4	Drum Gear Position Sensor C GND [0]
		A5	Drum Gear Position Sensor C Detection
		A6	Drum Gear Position Sensor C [5]
		A7	Drum Gear Position Sensor M GND [0]
		A8	Drum Gear Position Sensor M Detection
		A9	Drum Gear Position Sensor M [5]
		A10	Drum Gear Position Sensor Y GND [0]
		A11	Drum Gear Position Sensor Y Detection
		A12	Drum Gear Position Sensor Y [5]
		A13	Development Clutch C +24VS2
		A14	Development Clutch C Control
A15	Development Clutch M +24VS2		
A16	Development Clutch M Control		
A17	Development Clutch Y +24VS2		
A18	Development Clutch Y Control		
A19	Development Clutch K +24VS2		
B2	Development Clutch K Control		
1	N.C.		
B3	N.C.		
B4	L2 Lens Positioning Motor C/A		
B5	L2 Lens Positioning Motor C/B		
B6	L2 Lens Positioning Motor C [24]		
B7	L2 Lens Positioning Motor C/B		
B8	L2 Lens Positioning Motor C/A		
B9	L2 Lens Positioning Motor M/A		
B10	L2 Lens Positioning Motor M/B		
B11	L2 Lens Positioning Motor M [24]		
B12	L2 Lens Positioning Motor M/B		
B13	L2 Lens Positioning Motor M/A		
B14	L2 Lens Positioning Motor Y/A		
B15	L2 Lens Positioning Motor Y/B		
B16	L2 Lens Positioning Motor Y [24]		
B17	L2 Lens Positioning Motor Y/B		
B18	L2 Lens Positioning Motor Y/A		

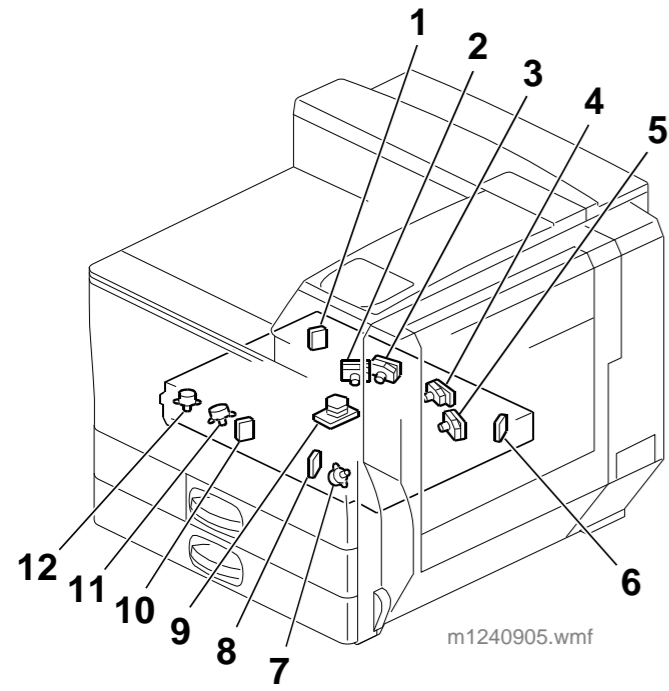
CN No	PCB	Pin No	Signal Name
CN211	IOB	1	2nd Duct Fan Motor (Lower) [24]
		2	2nd Duct Fan Motor (Lower) Lock
		3	2nd Duct Fan Motor (Lower) Control

CN No	PCB	Pin No	Signal Name
CN210	IOB	1	Fusing Heater Cooling Fan Motor Control
		2	Fusing Heater Cooling Fan Motor Lock
		3	Fusing Heater Cooling Fan Motor GND [0]
		4	Fusing Fan Motor [24]
		5	Fusing Fan Motor Lock
		6	Fusing Fan Motor Control
		7	2nd Duct Fan Motor [24]
CN208	IOB	8	2nd Duct Fan Motor Lock
		9	2nd Duct Fan Motor Control
		10	Paper Exit Fan Motor [24]
		11	Paper Exit Fan Motor Lock
		12	Paper Exit Fan Motor Control
		13	N.C.
		1	24VS2
		2	24VS1
CN212	IOB	1	Thermopile (Center) [5]
		2	Thermopile (Center) GND [0]
		3	Thermopile (Center) FB
		4	Thermopile (End) [5]
		5	Thermopile (End) GND [0]
		6	Thermopile (End) FB
		7	NC Sensor (End) 1 GND [0]
		8	NC Sensor (End) 1 Detection
		9	NC Sensor (End) 1 Compensation
		10	Fusing Unit New Detection GND [0]
		11	Fusing Unit New Detection
		12	NC Sensor (Center) 1 GND [0]
		13	NC Sensor (Center) 1 Detection
		14	NC Sensor (Center) 1 Compensation
15	GND [0] Set Detection (MFP)		
16	200V Set Detection		
17	100V Set Detection		
18	GND [0]		
19	Fusing Thermistor (End) FB		
20	Fusing Thermistor (Center) GND [0]		
21	Fusing TH Center (NC Sensor Detection) FB		
22	N.C.(NC Sensor Compensation FB)		

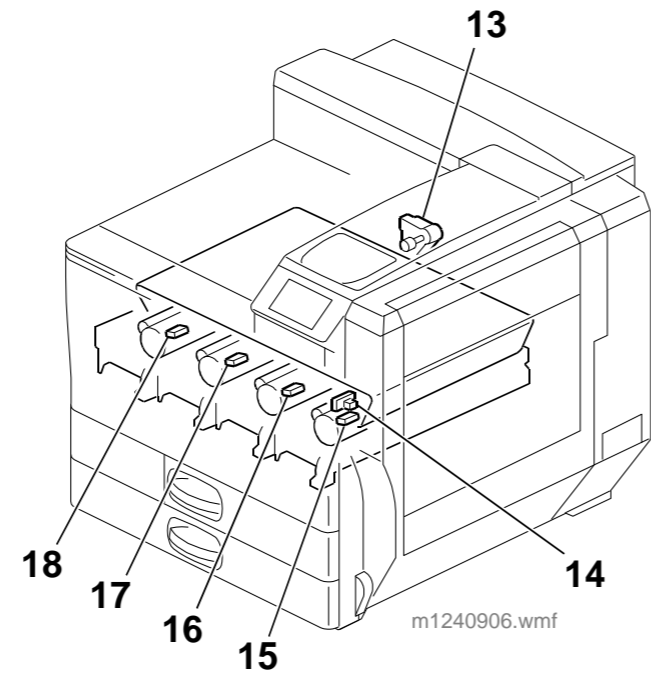
CN No	PCB	Pin No	Signal Name
CN209	IOB	1	Fusing Shutter Sensor GND [0]
		2	Fusing Shutter Sensor Output
		3	Fusing Shutter Sensor SV
		4	Pressure Roller Contact Sensor GND [0]
		5	Pressure Roller Contact Sensor Output
		6	Pressure Roller Contact Sensor [5]
		7	Pressure Roller Contact Motor B
		8	Pressure Roller Contact Motor 24VS1
		9	Pressure Roller Contact Motor A
		10	Pressure Roller Contact Motor /B
		11	Pressure Roller Contact Motor 24VS1
		12	Pressure Roller Contact Motor /A

CN No	PCB	Pin No	Signal Name
CN227	IOB		

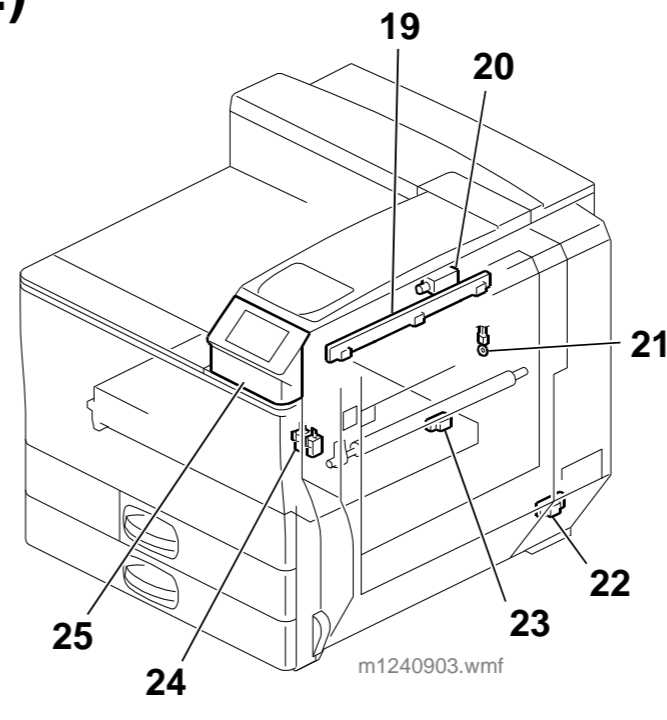
M124/M125 ELECTRICAL COMPONENT LAYOUT (1/2)



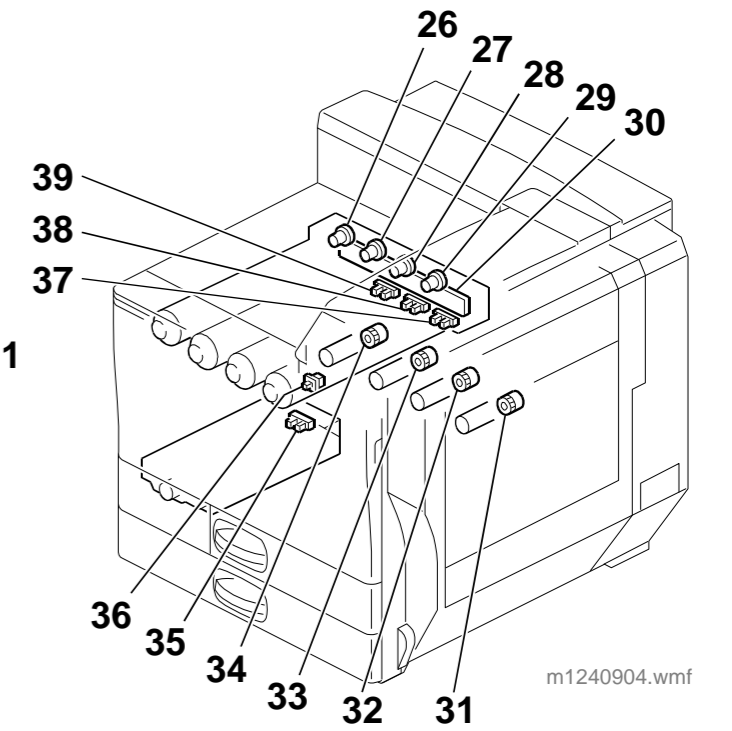
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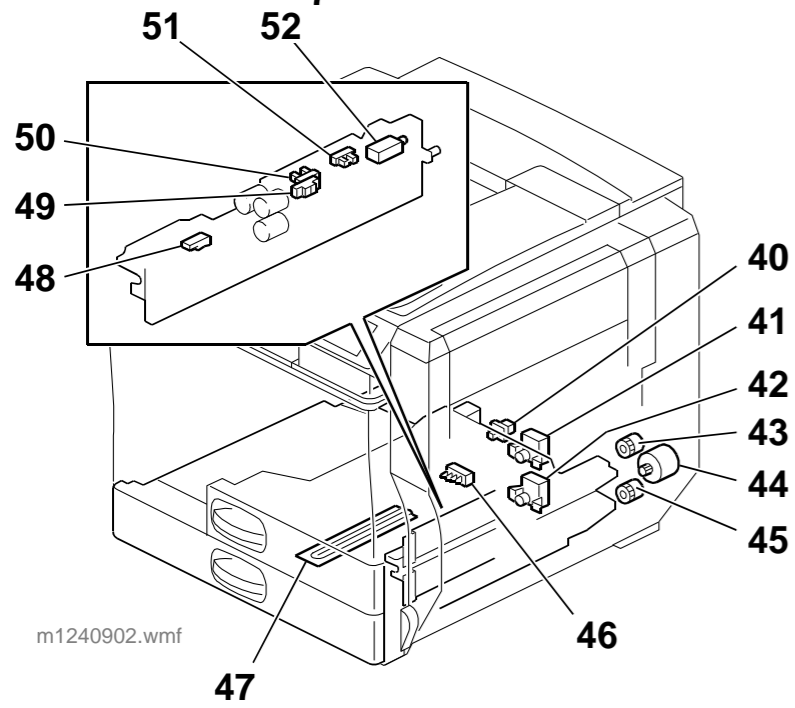
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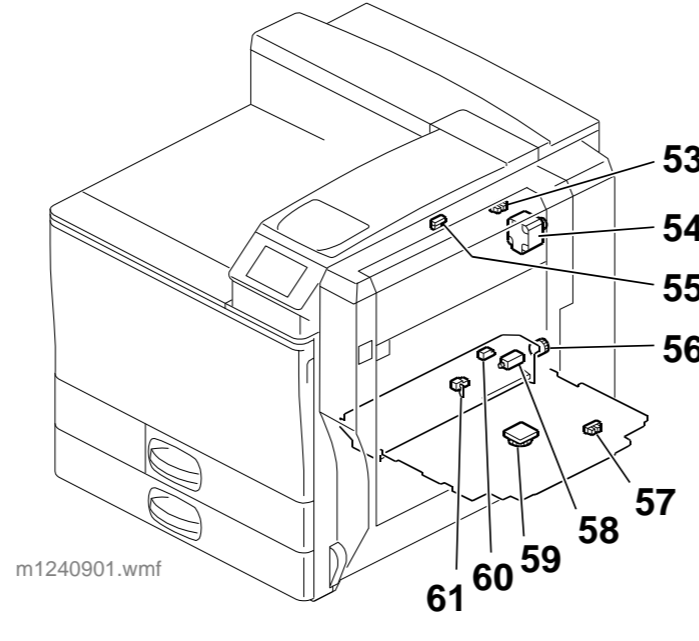
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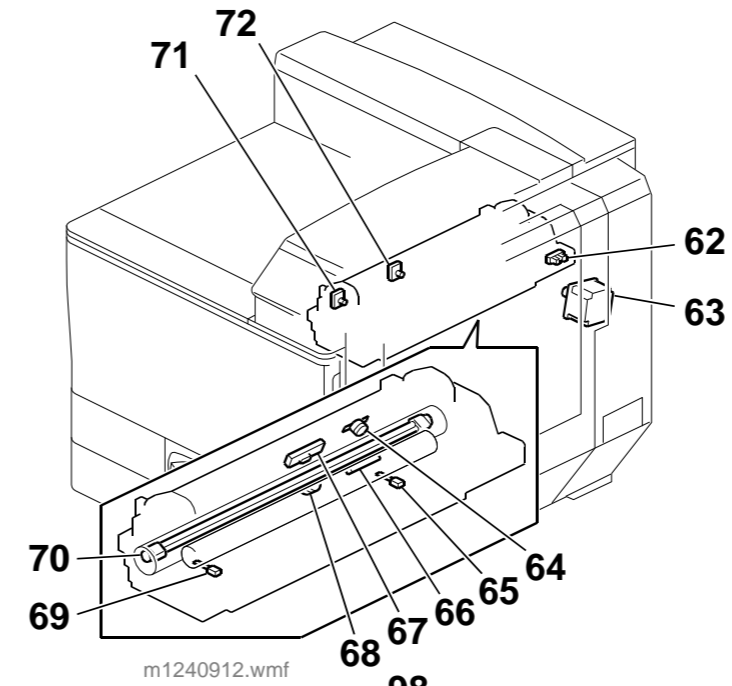
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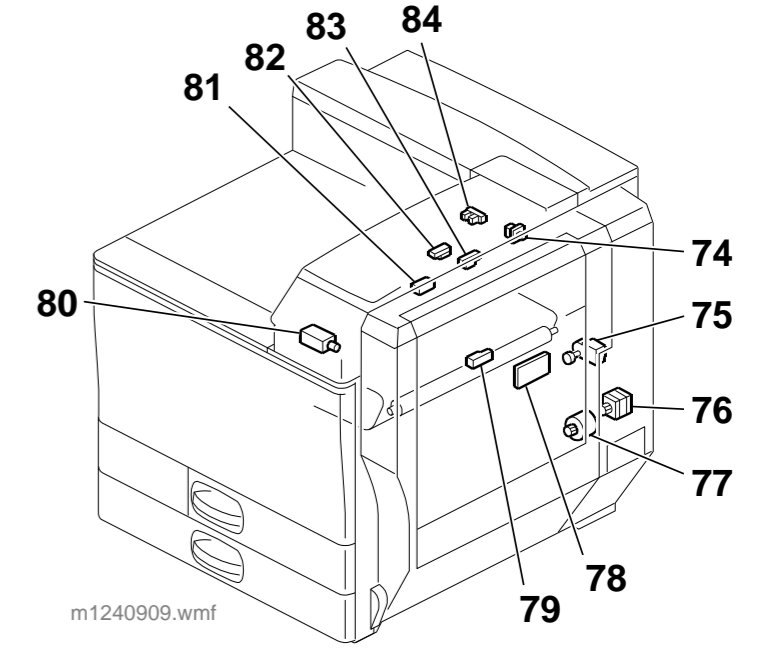
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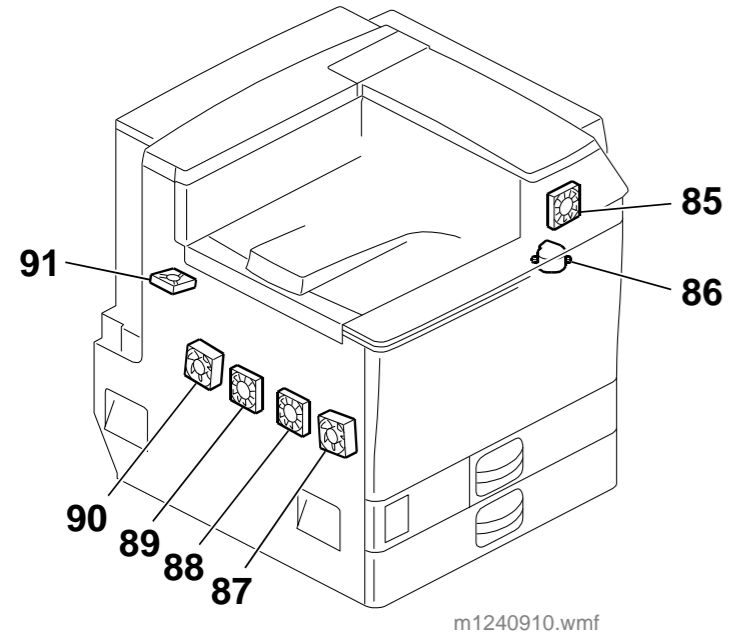
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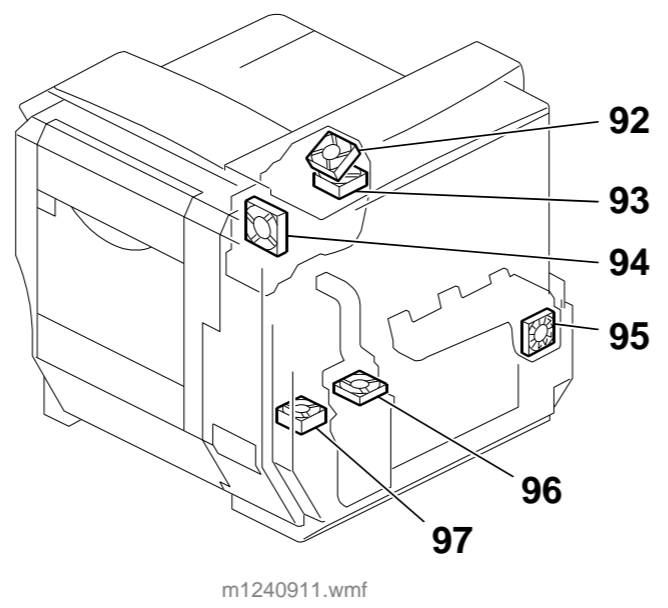
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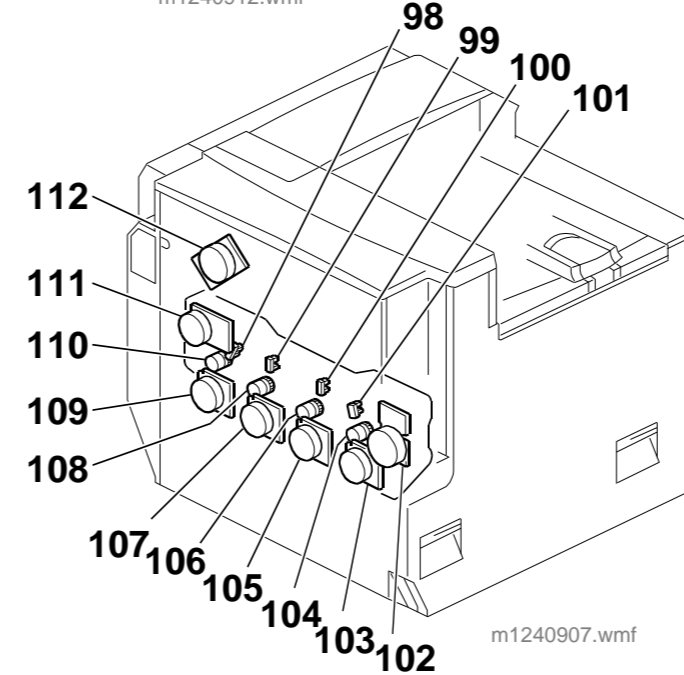
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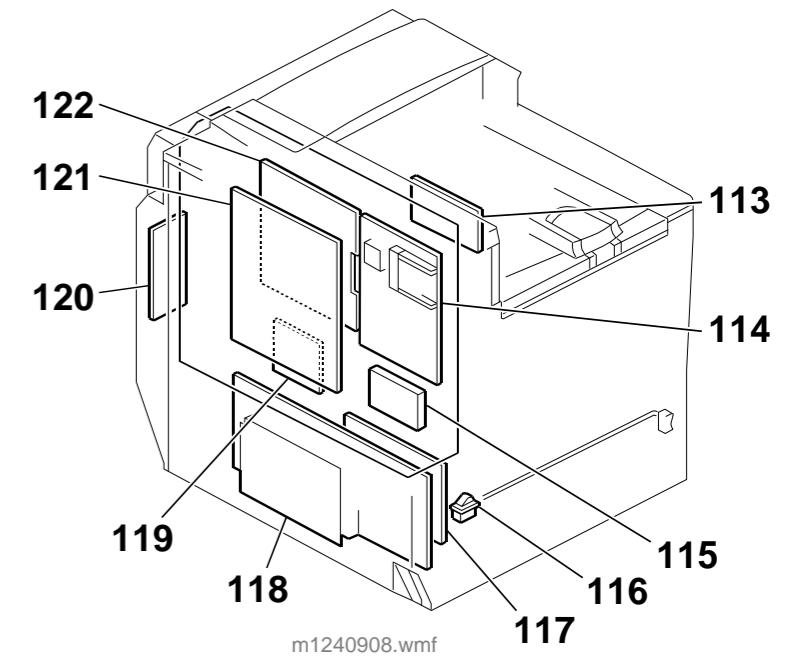
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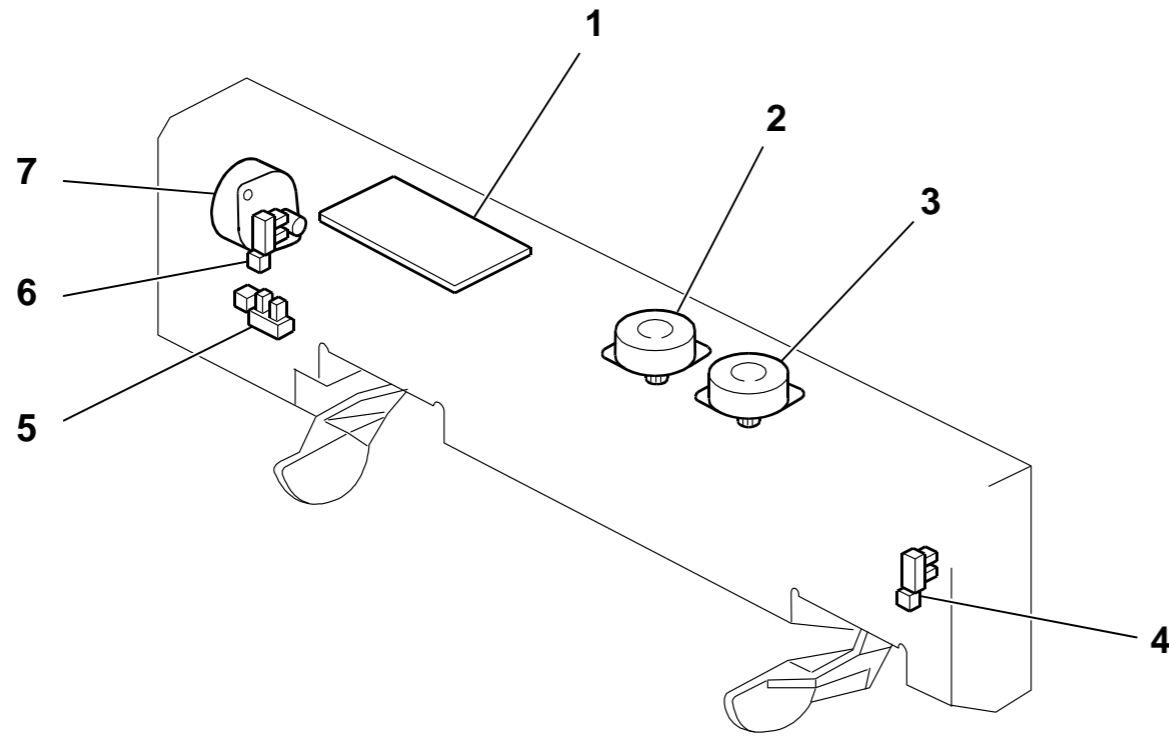
M124/M125 ELECTRICAL COMPONENT LAYOUT (2/2)

Symbol	Index No.	Description	P to P	Page
PCBs				
PCB1	120	AC Controller Board	B5-6	1/3
PCB2	119	BCU	H5-6	1/3
PCB3	117	H.V.P.P. (C/B)	E10	1/3
PCB4	78	H.V.P.P. (D)	I9	1/3
PCB5	113	H.V.P.P. (T/TS)	G13	1/3
PCB6	122	Bridge Board	E6	1/3
PCB7	5	LD Board (C)	E7	1/3
PCB8	4	LD Board (K)	F8	1/3
PCB9	3	LD Board (M)	E7	1/3
PCB10	2	LD Board (Y)	E7	1/3
PCB11	118	PSU	C4	1/3
PCB12	114	Controller Board	B2-3	2/3
PCB13	6	Laser Synchronizing Detector Board (K,C) LE	C8	1/3
PCB14	8	Laser Synchronizing Detector Board (K,C) TE	C8	1/3
PCB15	10	Laser Synchronizing Detector Board (M,Y) LE	C8	1/3
PCB16	1	Laser Synchronizing Detector Board (M,Y) TE	C8	1/3
PCB17	30	BRB	D13	1/3
PCB18	121	IOB	K8	1/3
Sensors				
S1	16	TD Sensor (C)	G2	1/3
S2	15	TD Sensor (K)	G2	1/3
S3	17	TD Sensor (M)	G2	1/3
S4	18	TD Sensor (Y)	H2	1/3
S5	66	NC Sensor (End)	D1	1/3
S6	67	NC Sensor (Center)	E1	1/3
S7	19	ID Sensors	J14	1/3
S8	22	Temperature / Humidity Sensor	B10	1/3
S10	37	Toner End Sensor (C)	E13	1/3
S11	38	Toner End Sensor (M)	E13	1/3
S12	39	Toner End Sensor (Y)	E13	1/3
S13	98	Drum Gear Position Sensor (K)	H3	1/3
S14	99	Drum Gear Position Sensor (C)	H3	1/3
S15	100	Drum Gear Position Sensor (M)	I3	1/3
S16	101	Drum Gear Position Sensor (Y)	I3	1/3
S17	23	Registration Sensor	D9	1/3
S21	61	By-pass Paper End Sensor	J9	1/3
S22	59	By-pass Paper Size Sensor	H9	1/3
S23	57	By-pass Paper Length Sensor	H9	1/3
S24	50	Paper End Sensor (Tray 1)	G9	1/3
S25	51	Paper Overflow Sensor (Tray 1)	G9	1/3
S26	48	Paper Feed Sensor (Tray 1)	G9	1/3
S27	49	Vertical Transport Sensor (Tray 1)	G9	1/3
S28	50	Paper End Sensor (Tray 2)	F9	1/3
S29	51	Paper Overflow Sensor (Tray 2)	F9	1/3
S30	48	Paper Feed Sensor (Tray 2)	F9	1/3
S31	49	Vertical Transport Sensor (Tray 2)	F9	1/3
S32	71	Thermopile (End)	J14	1/3
S33	72	Thermopile (Center)	J14	1/3
S34	83	Fusing Exit Sensor	B14	1/3
S35	62	Pressure Roller Contact Sensor	H13	1/3
S37	79	Fusing Entrance Sensor	I9	1/3
S38	14	ITB Rotation Sensor	F14	1/3
S39	35	Waste Toner Full Sensor	D9	1/3
S40	81	Paper Exit Sensor	C14	1/3
S41	84	Paper Overflow Sensor	B14	1/3
S42	82	Junction Paper Jam Sensor	C14	1/3
S43	53	Duplex Door Sensor	H9	1/3
S44	60	Duplex Exit Sensor	I9	1/3
S45	55	Duplex Entrance Sensor	J9	1/3

Symbol	Index No.	Description	P to P	Page
Motors				
M1	75	PTR Contact Motor	G13	1/3
M3	11	L2 Lens Positioning Motor (C)	D8	1/3
M4	7	L2 Lens Positioning Motor (M)	D8	1/3
M5	12	L2 Lens Positioning Motor (Y)	D8	1/3
M6	41	Tray1 Lift Motor	B9	1/3
M7	42	Tray2 Lift Motor	C9	1/3
M8	107	Drum/Development Motor (C)	F3	1/3
M9	109	Drum/Development Motor (K)	F3	1/3
M10	105	Drum/Development Motor (M)	F3	1/3
M11	103	Drum/Development Motor (Y)	F3	1/3
M12	9	Polygon Mirror Motor	D8	1/3
M13	77	Registration Motor	A13	1/3
M14	44	Paper Feed Motor	A13	1/3
M15	111	ITB Unit Drive Motor	C13	1/3
M16	63	Pressure Roller Contact Motor	H13	1/3
M17	112	Fusing/Paper Exit Motor	C13	1/3
M18	54	Duplex Inverter Motor	J9	1/3
M19	97	AC Board Cooling Fan	J2	1/3
M20	96	3rd Duct Fan	J2	1/3
M21	90	Airflow Fan (Rear)	K2	1/3
M22	87	Airflow Fan (Front)	K2	1/3
M23	92	2nd Duct Fan	I13	1/3
M24	93	2nd Duct Fan (Lower)	K13	1/3
M25	86	Fusing Heater Cooling Fan	I13	1/3
M26	94	Fusing Fan	I13	1/3
M27	85	Paper Exit Fan	I13	1/3
M28	89	Airflow Fan (Middle Rear)	J9	1/3
M29	88	Airflow Fan (Middle Front)	J9	1/3
M30	95	Toner Tube Cooling Fan	K9	1/3
M31	102	Toner Transport Motor	F13	1/3
M32	91	HDD Cooling Fan	F4	2/3
M33	13	ITB Contact Motor	G13	1/3
M34	76	Duplex/By-pass Motor	H9	1/3
Clutches				
MC1	108	Development Clutch (C)	I3	1/3
MC2	110	Development Clutch (K)	J2	1/3
MC3	106	Development Clutch (M)	I3	1/3
MC4	104	Development Clutch (Y)	I3	1/3
MC5	43	Tray1 Paper Feed Clutch	B10	1/3
MC6	45	Tray2 Paper Feed Clutch	B10	1/3
MC7	29	Toner Bottle Clutch (C)	D13	1/3
MC8	26	Toner Bottle Clutch (K)	D13	1/3
MC9	28	Toner Bottle Clutch (M)	D13	1/3
MC10	27	Toner Bottle Clutch (Y)	D13	1/3
MC11	32	Toner Supply Clutch (C)	E14	1/3
MC12	31	Toner Supply Clutch (K)	E14	1/3
MC13	33	Toner Supply Clutch (M)	F14	1/3
MC14	34	Toner Supply Clutch (Y)	F14	1/3
MC15	56	By-pass Feed Clutch	I9	1/3

Symbol	Index No.	Description	P to P	Page
Solenoids				
SOL1	20	ID Sensor Shutter Solenoid	J14	1/3
SOL2	58	By-pass Pick-up Solenoid	I9	1/3
SOL3	52	Pick-up Solenoid (Tray 1)	G9	1/3
SOL4	52	Pick-up Solenoid (Tray 2)	F9	1/3
SOL5	80	Junction Gate Solenoid	B14	1/3
Switches				
SW1	24	Interlock Switch	J13	1/3
SW2	116	Main Switch	B2	1/3
SW3	74	Right Door Open Switch	B14	1/3
SW4	40	Tray1 Paper Size Switch	D10	1/3
SW5	46	Tray2 Paper Size Switch	D10	1/3
SW6	36	Waste Toner Bottle Set Switch	D10	1/3
Thermistors				
TH1	65	Fusing Thermistor (Center)	D1	1/3
TH2	69	Fusing Thermistor (End)	D1	1/3
TH3	21	PCDU/ITB Thermistor	K13	1/3
Thermostats				
TS1	64	Thermostat 1	E1	1/3
TS2	68	Thermostat 2	E1	1/3
Lamps				
L3	70	Fusing Lamp	E1	1/3
Heaters				
H1	- - -	Tray Heater (PFU)	A5	1/3
H2	47	Tray Heater (Main)	A5	1/3
Others				
OT1	25	Operation Panel Unit	F7	1/3
HDD1	115	HDD	D5	2/3

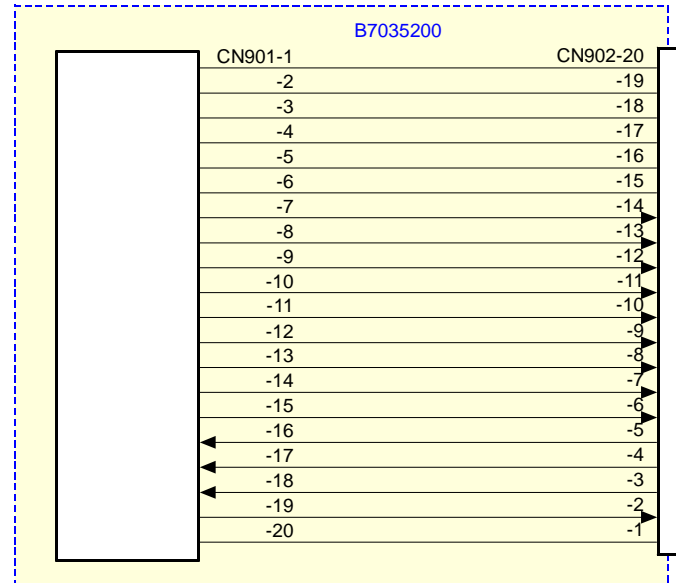
OUTPUT LOGGER UNIT (B703) ELECTRICAL COMPONENT LAYOUT



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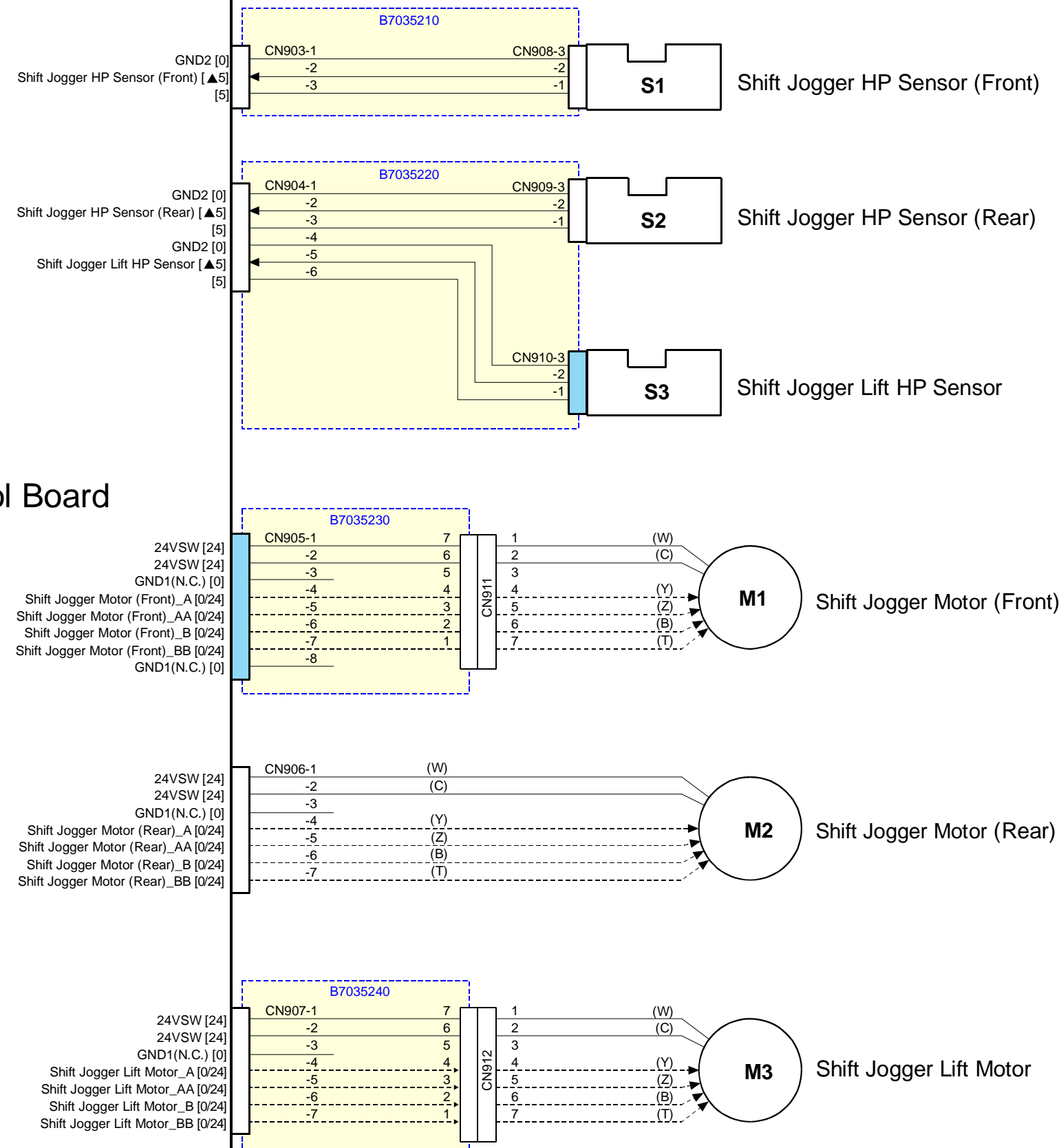
Symbol	Index No.	Description	P to P
Sensors			
S1	4	Shift Jogger HP Sensor (Front)	A7-B7
S2	6	Shift Jogger HP Sensor (Rear)	B7
S3	5	Shift Jogger Lift HP Sensor	C7
Motors			
M1	3	Shift Jogger Motor (Front)	C8-D8
M2	2	Shift Jogger Motor (Rear)	D8
M3	7	Shift Jogger Lift Motor	E8
PCB			
PCB1	1	Jogger Unit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

OUTPUT LOGGER UNIT (B703) POINT TO POINT DIAGRAM



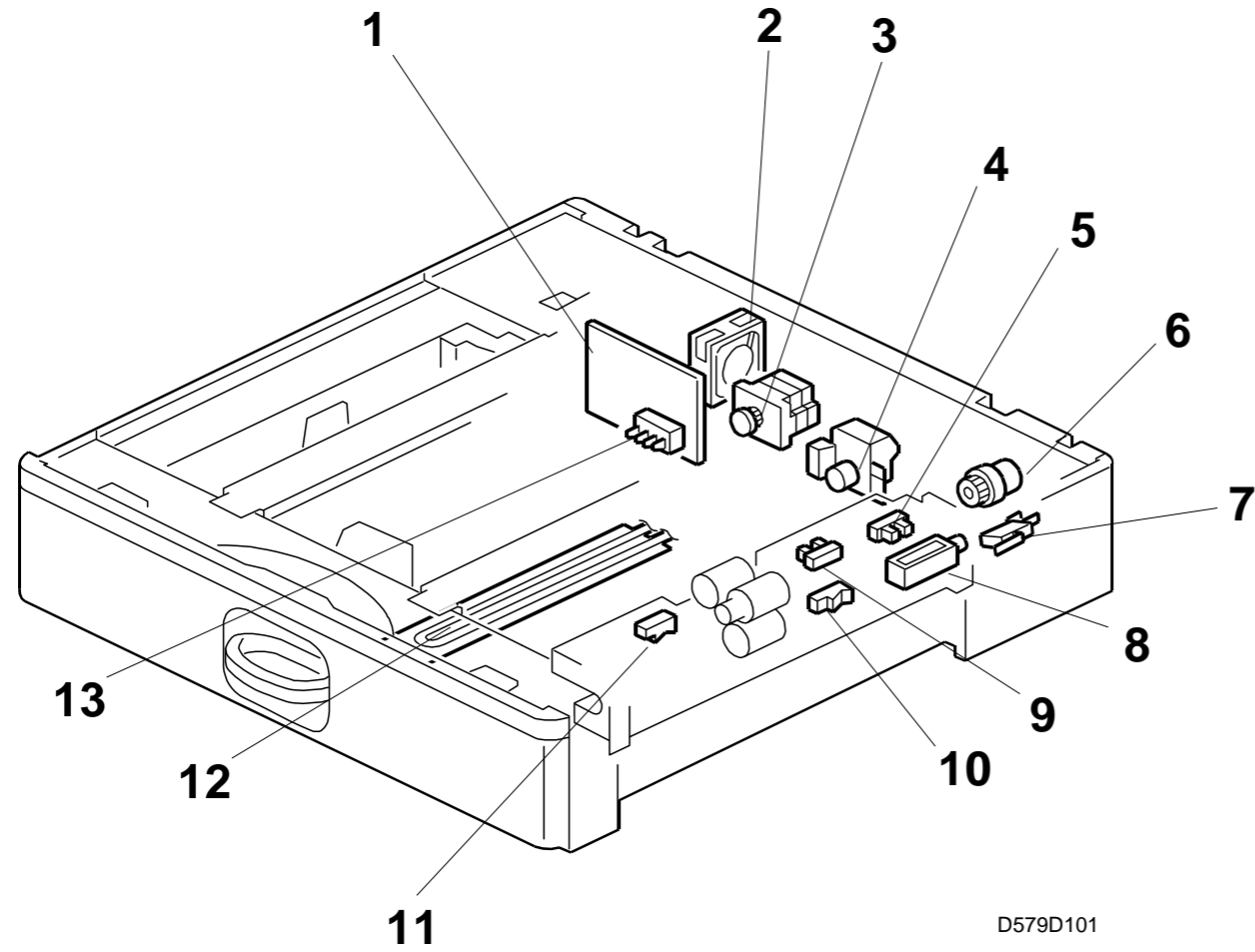
24VSW
 24VSW
 GND1
 GND1
 5V
 GND2
 SHIFT_JOGGER_F_CLK
 SHIFT_JOGGER_F_CW
 XSHIFT_JOGGER_F_ON
 SHIFT_JOGGER_R_CLK
 SHIFT_JOGGER_R_CW
 XSHIFT_JOGGER_R_ON
 SHIFT_JOGGER_ESC_CLK
 SHIFT_JOGGER_ESC_CW
 XSHIFT_JOGGER_ESC_ON
 SHIFT_JOGGER_F_HP
 SHIFT_JOGGER_R_HP
 SHIFT_JOGGER_ESC_HP
 ENABLE
 GND2

Jogger Unit Control Board (PCB1)



Signal Table	
	AC Line
	DC Line
	Plus Line
	Signal Direction
	Signal Direction
	Ready Low
	Ready High
	Voltage

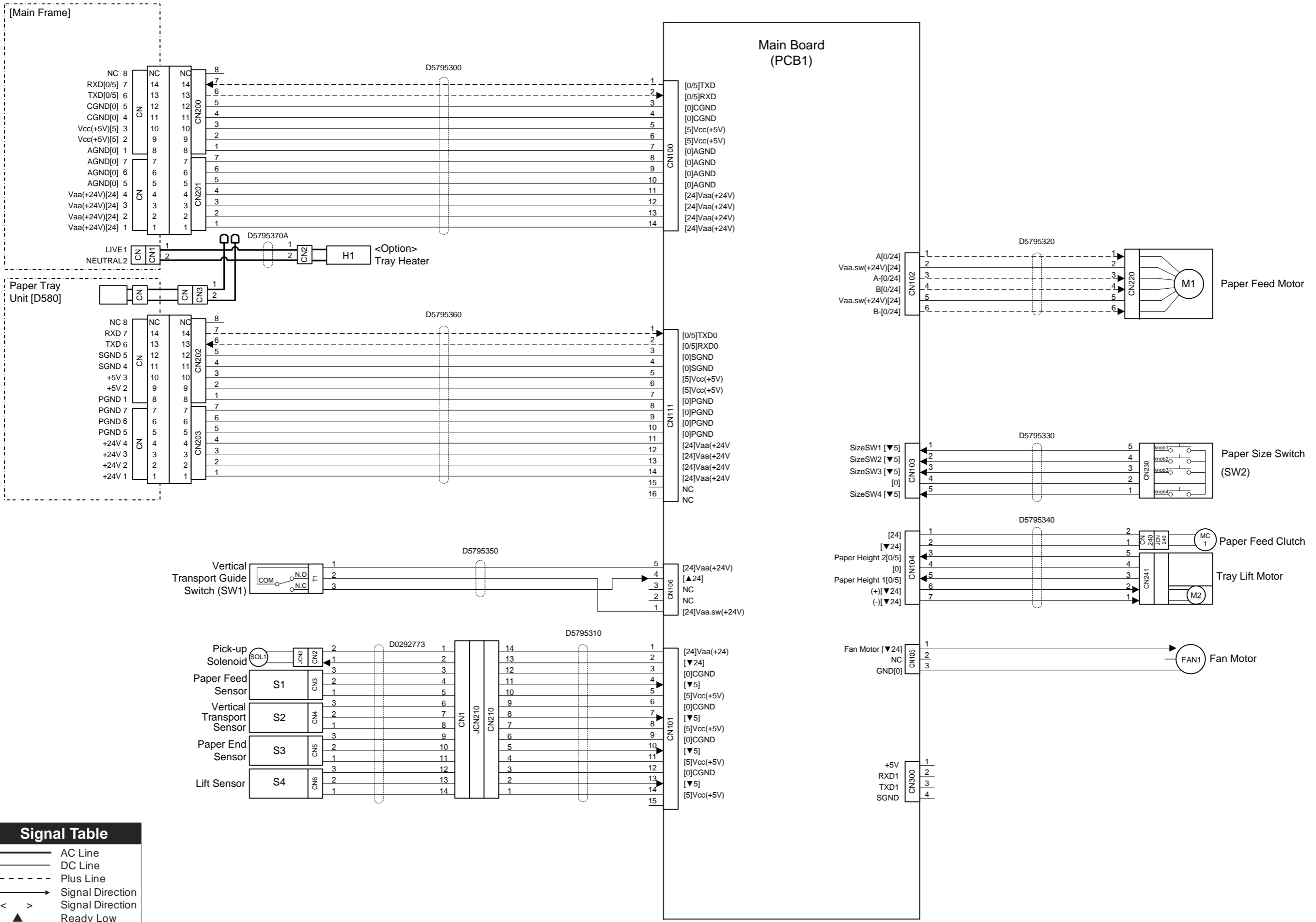
D579 ELECTRICAL COMPONENT LAYOUT



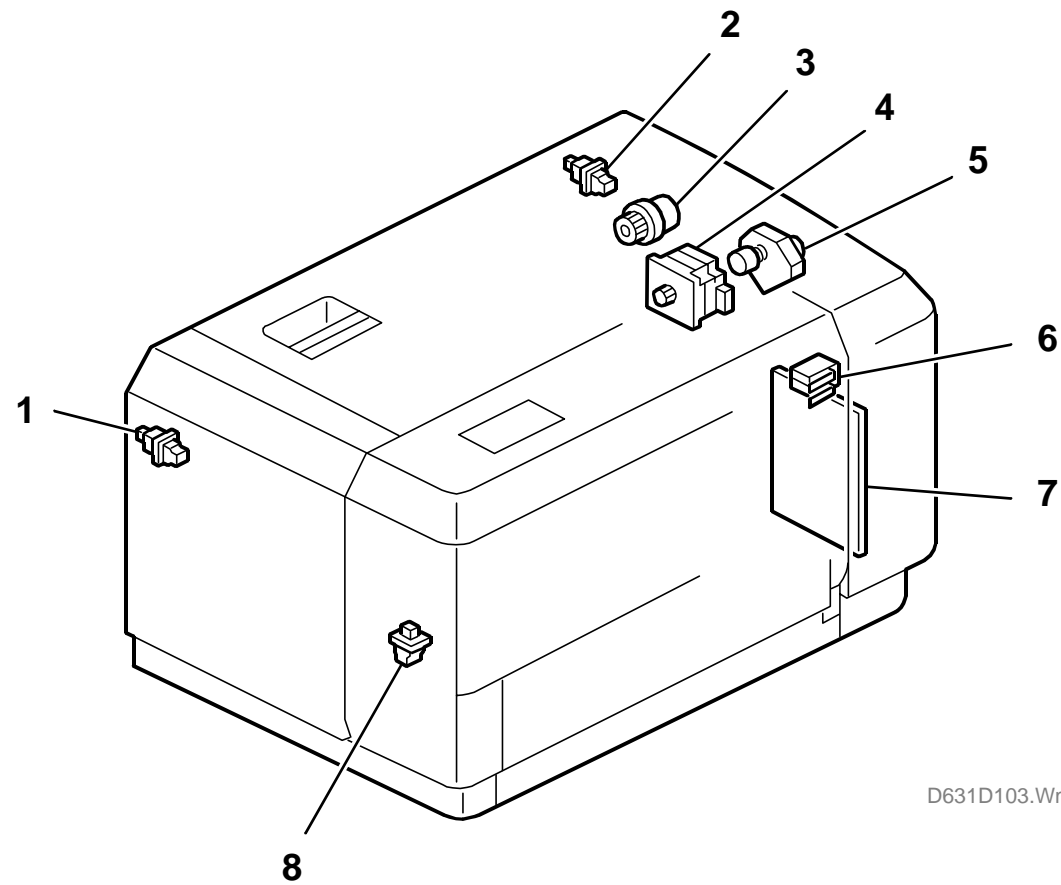
D579D101

Symbol	Name	Index No.	P to P
Motors			
M1	Paper Feed	3	C9
M2	Tray Lift	4	E9
Sensors			
S1	Paper Feed	11	F3
S2	Vertical Transport	10	F3
S3	Paper End	9	F3
S4	Lift	5	F3
Solenoids			
SOL1	Pick-up	8	E3
Switches			
SW1	Vertical Transport	7	E3
SW2	Paper Size	13	D9
Magnetic Clutches			
MC1	Paper Feed	6	E9
PCBs			
PCB1	Main Board	1	B6
Others			
H1	Optional Tray Heater	12	C3
Fan			
FAN1	Fan Motor	2	E9

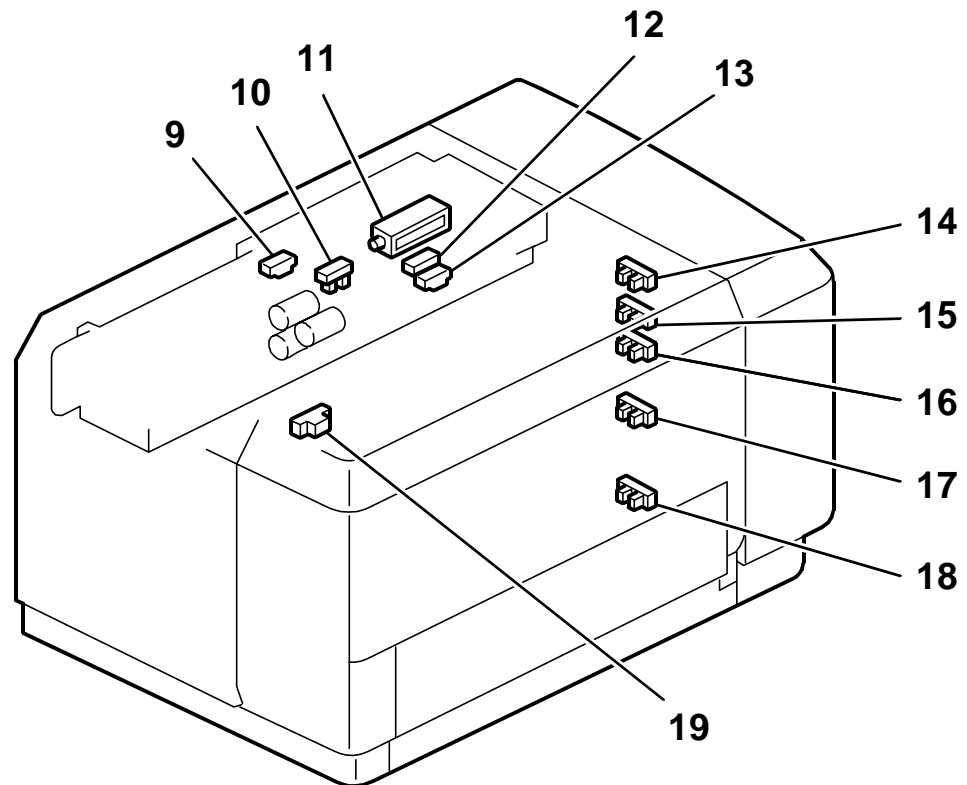
D579 POINT TO POINT DIAGRAM



LCIT (D631) ELECTRICAL COMPONENT LAYOUT



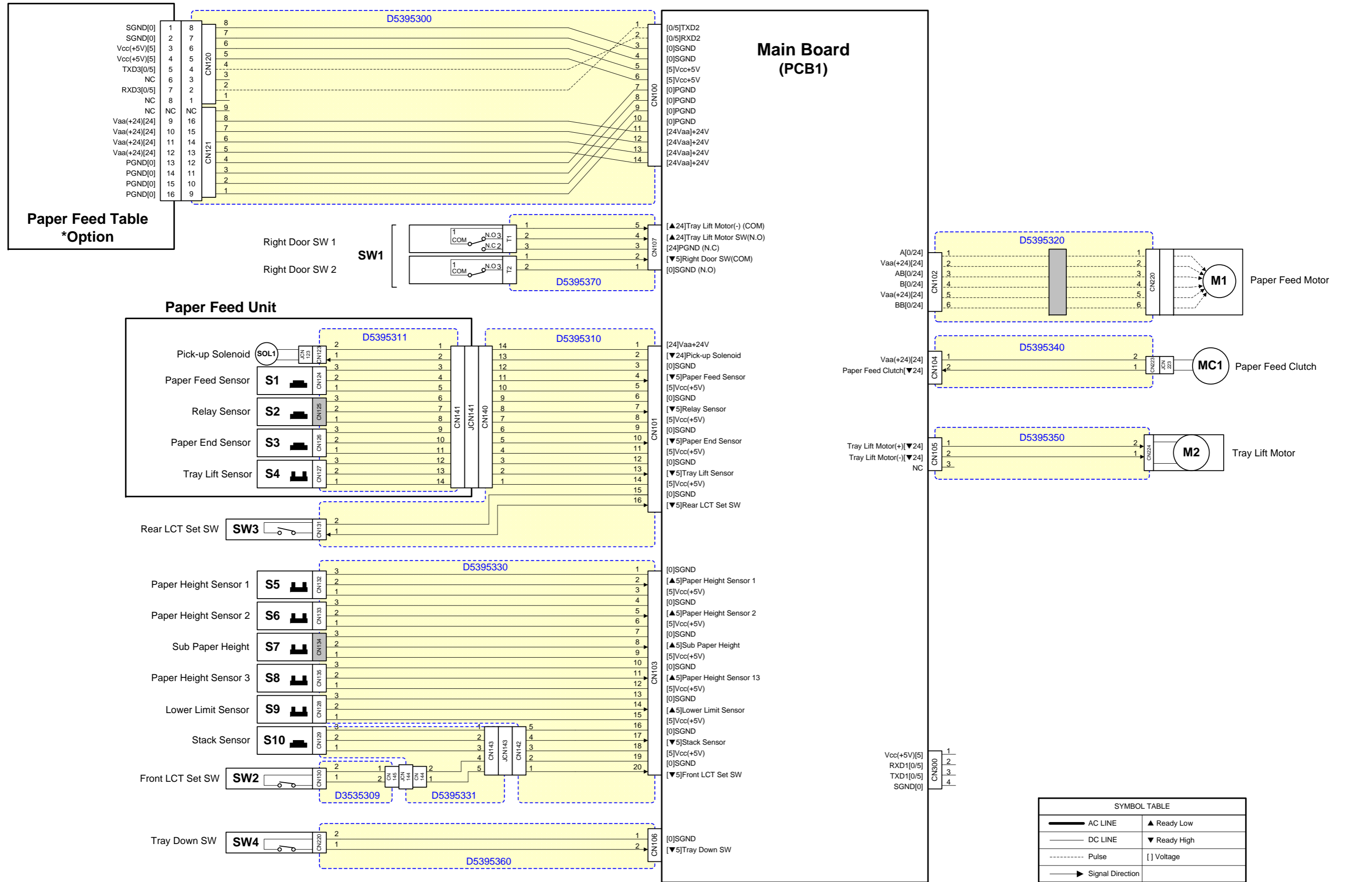
D631D103.Wmf



D631D104.Wmf

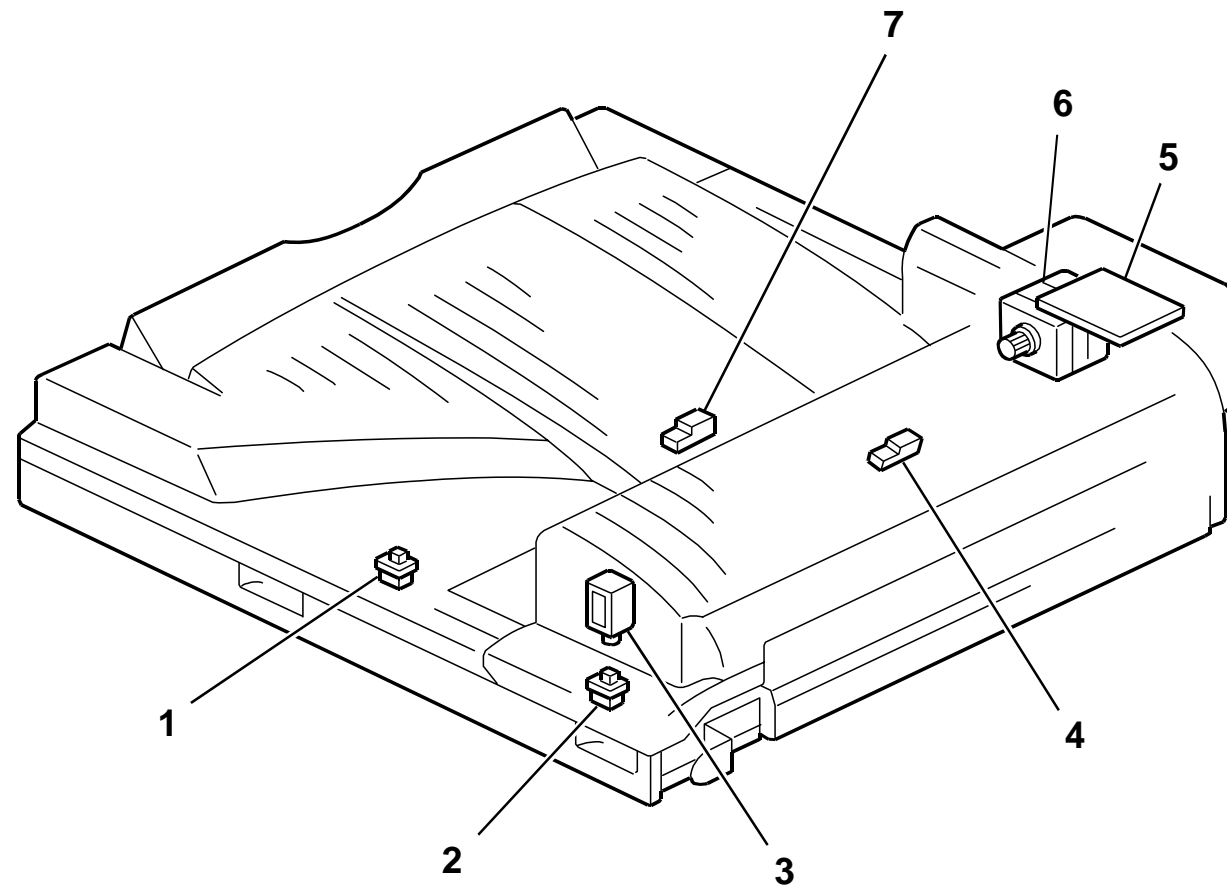
Symbol	Index No.	Description	P to P
Motors			
M1	4	Paper Feed Motor	C9
M2	5	Tray Lift Motor	C9
Magnetic Clutche			
MC1	3	Paper Feed Clutch	D9
PCB			
PCB1	7	Main Board	A6
Sensors			
S1	12	Paper Feed Sensor	D3
S2	9	Relay Sensor	D3
S3	13	Paper End Sensor	D3
S4	10	Tray Lift Sensor	D3
S5	14	Paper Height Sensor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

LCIT (D631) POINT TO POINT DIAGRAM



SYMBOL TABLE	
	AC LINE
	DC LINE
	Pulse
	Signal Direction
	Ready Low
	Ready High
[]	Voltage

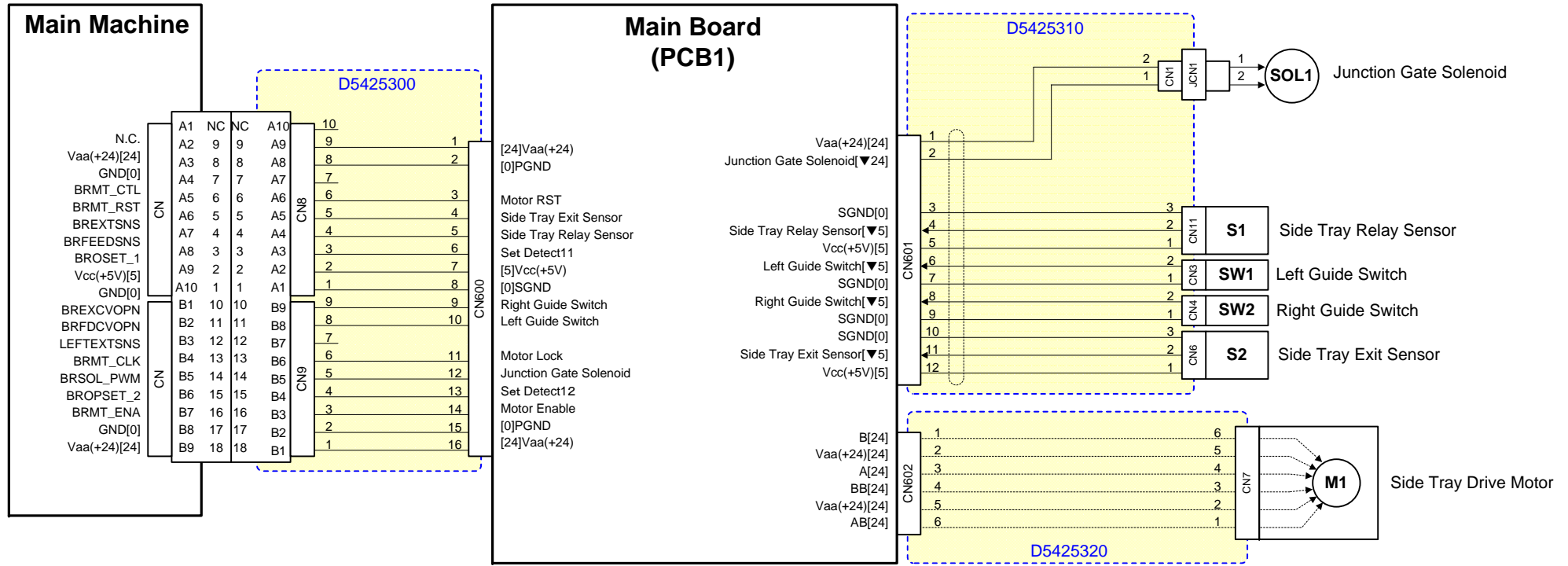
Bridge Unit (D634) ELECTRICAL COMPONENT LAYOUT



D634D102.Wmf

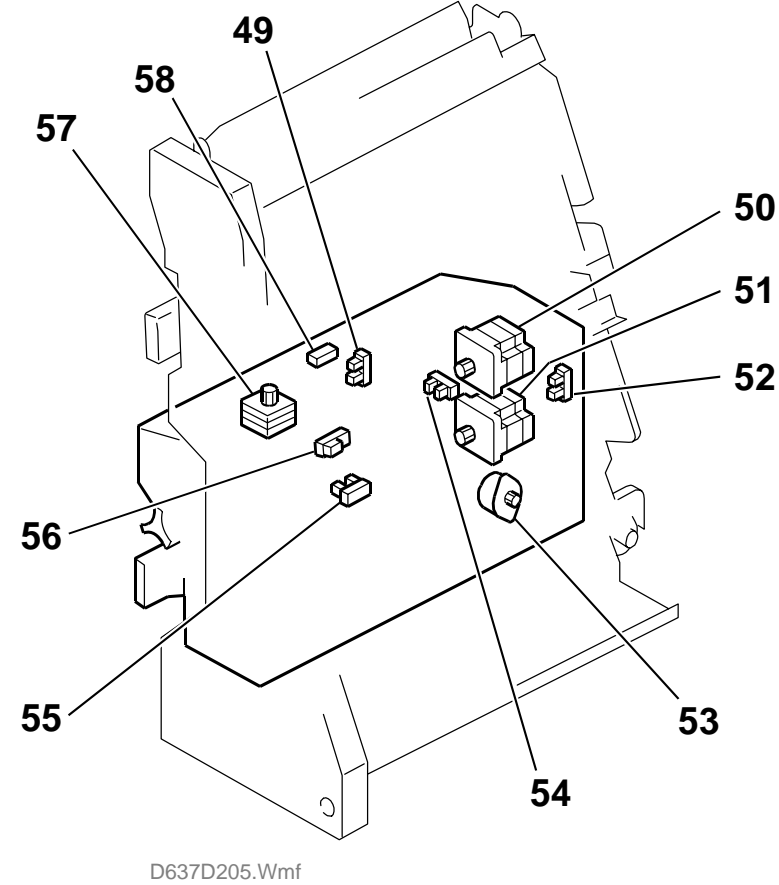
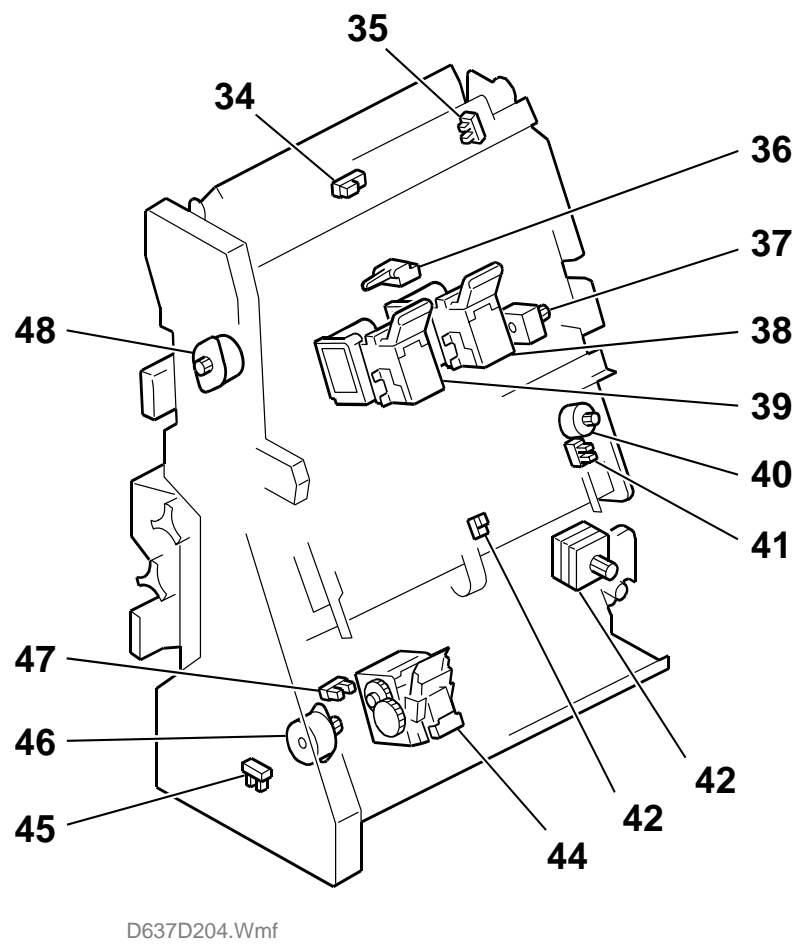
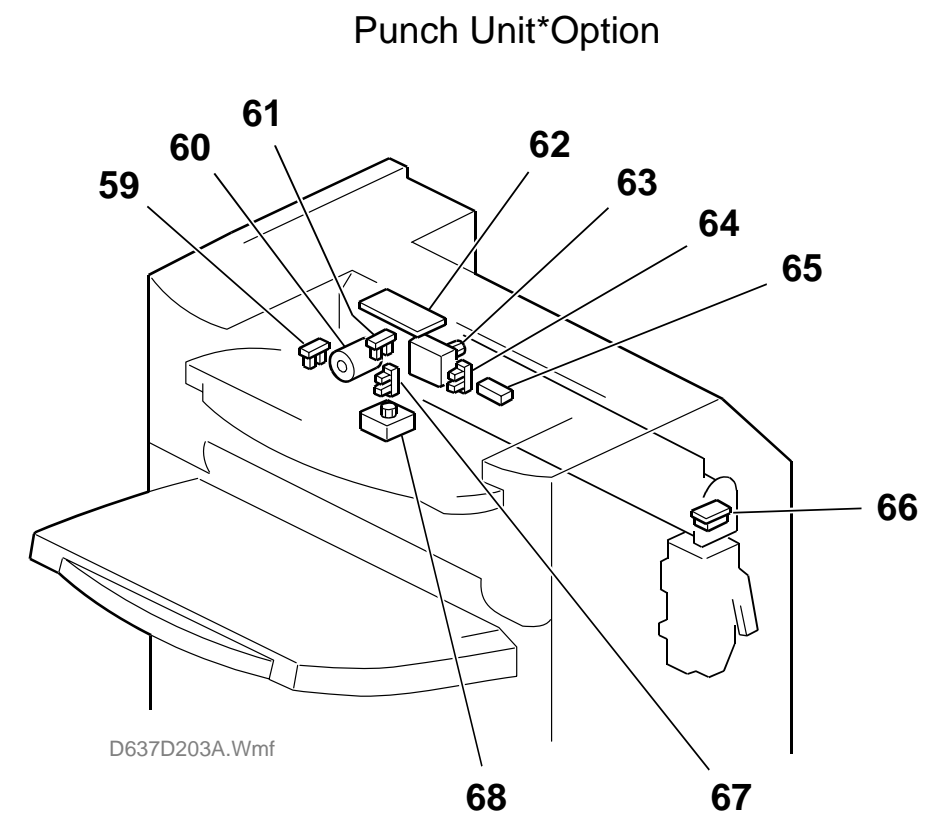
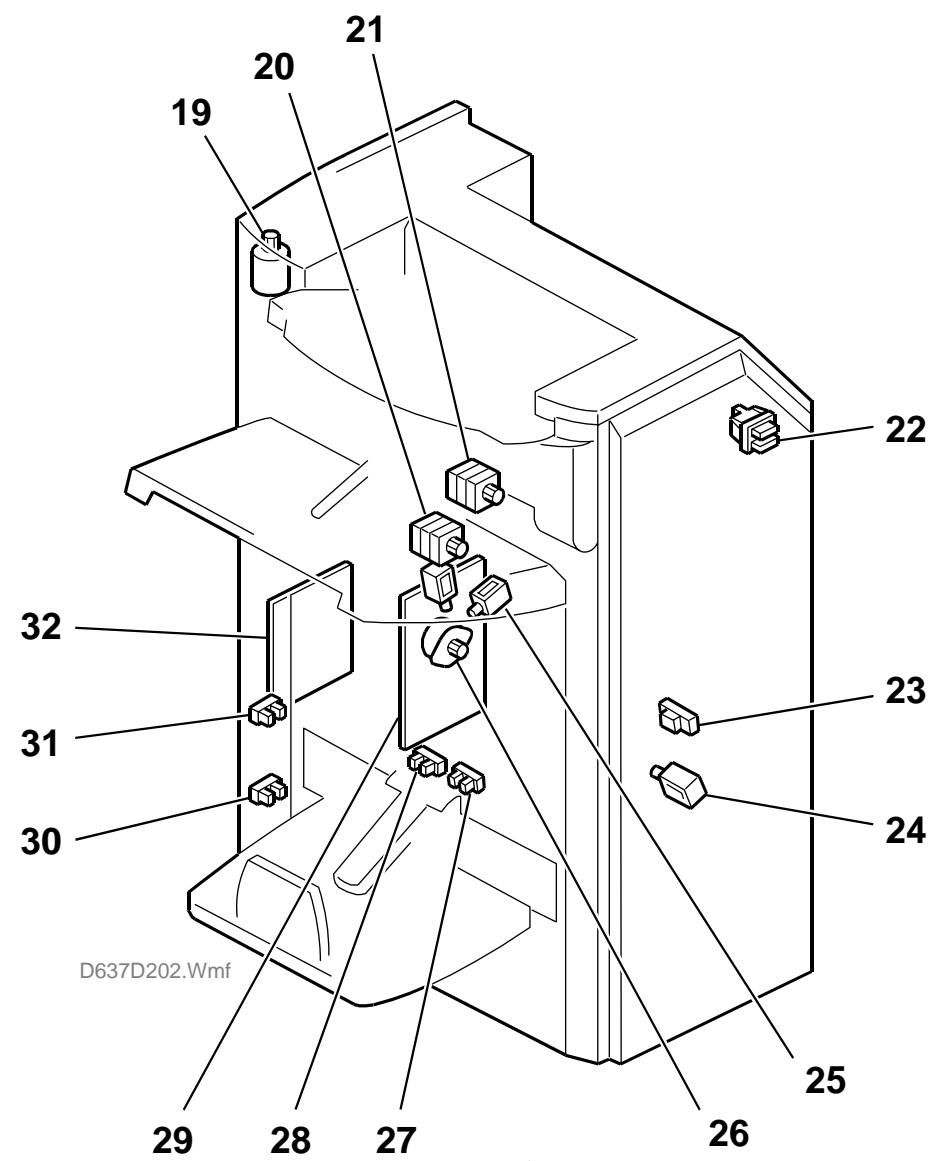
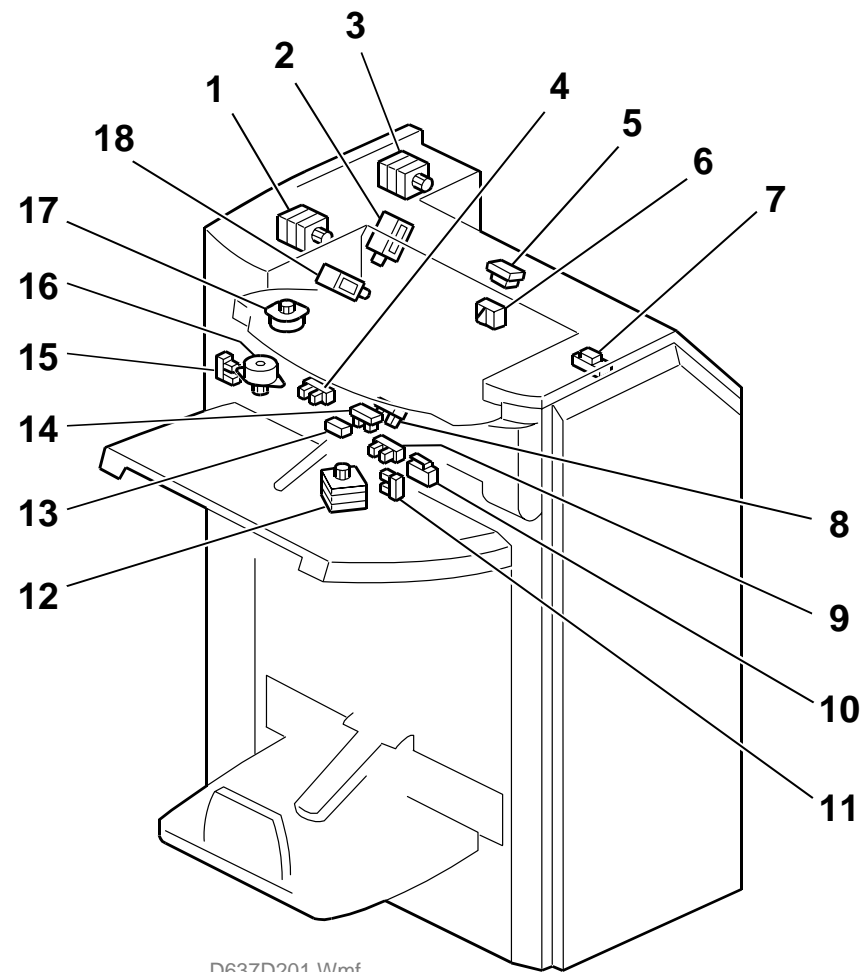
Symbol	Index No.	Description	P to P
Motor			
M1	6	Side Tray Drive Motor	E8
PCB			
PCB1	5	Main Board	C5
Sensors			
S1	7	Side Tray Relay Sensor	C8
S2	4	Side Tray Exit Sensor	D8
Solenoid			
SOL1	3	Junction Gate Solenoid	B8
Switches			
SW1	1	Left Guide Switch	C8
SW2	2	Right Guide Switch	D8

Bridge Unit (D634) POINT TO POINT DIAGRAM



SYMBOL TABLE	
	AC LINE
	DC LINE
	Pulse
	Signal Direction
	Ready Low
	Ready High
	Voltage

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

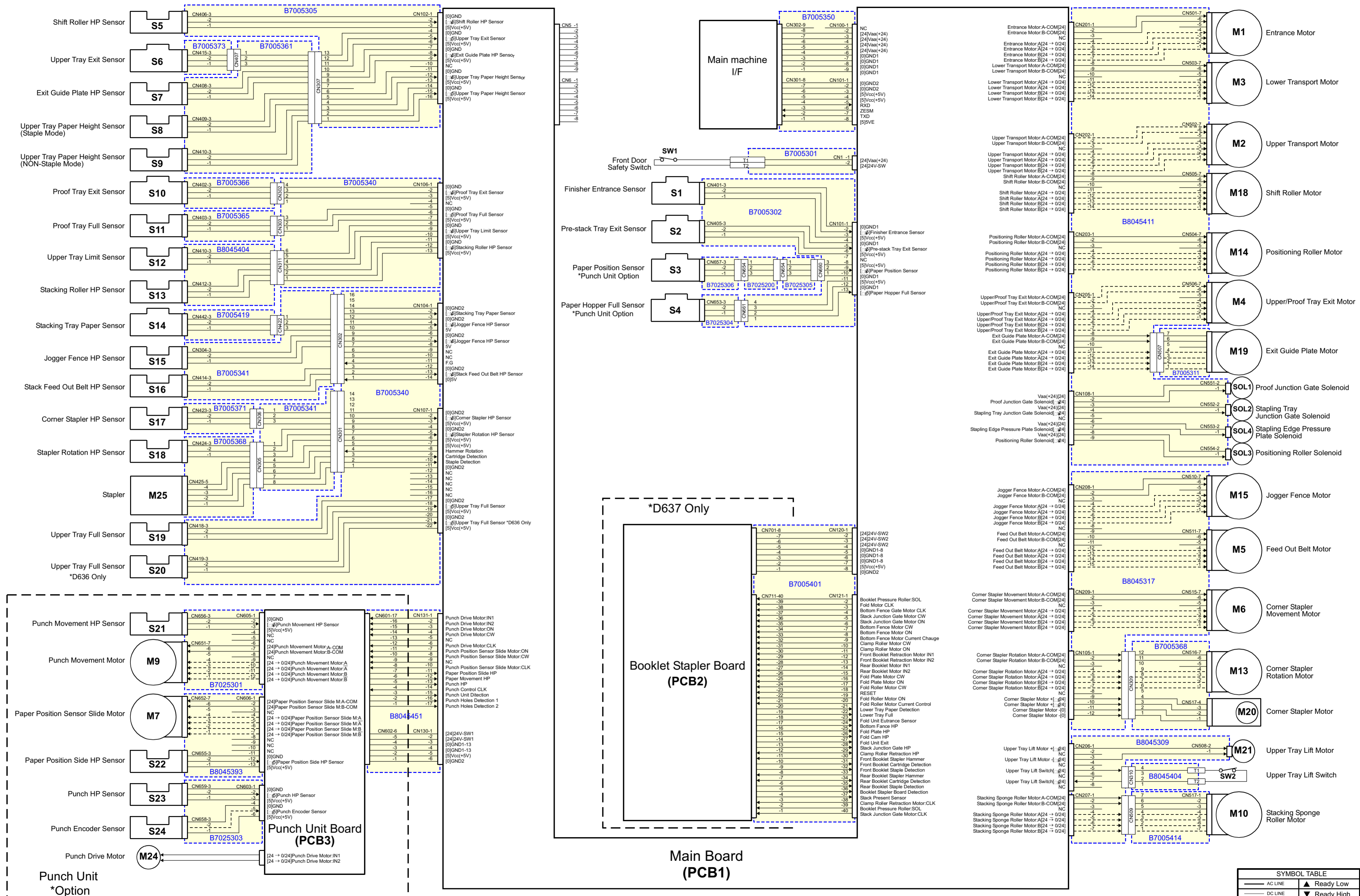


Finisher/Booklet Finisher (D636/D637) ELECTRICAL COMPONENT LAYOUT 2/2

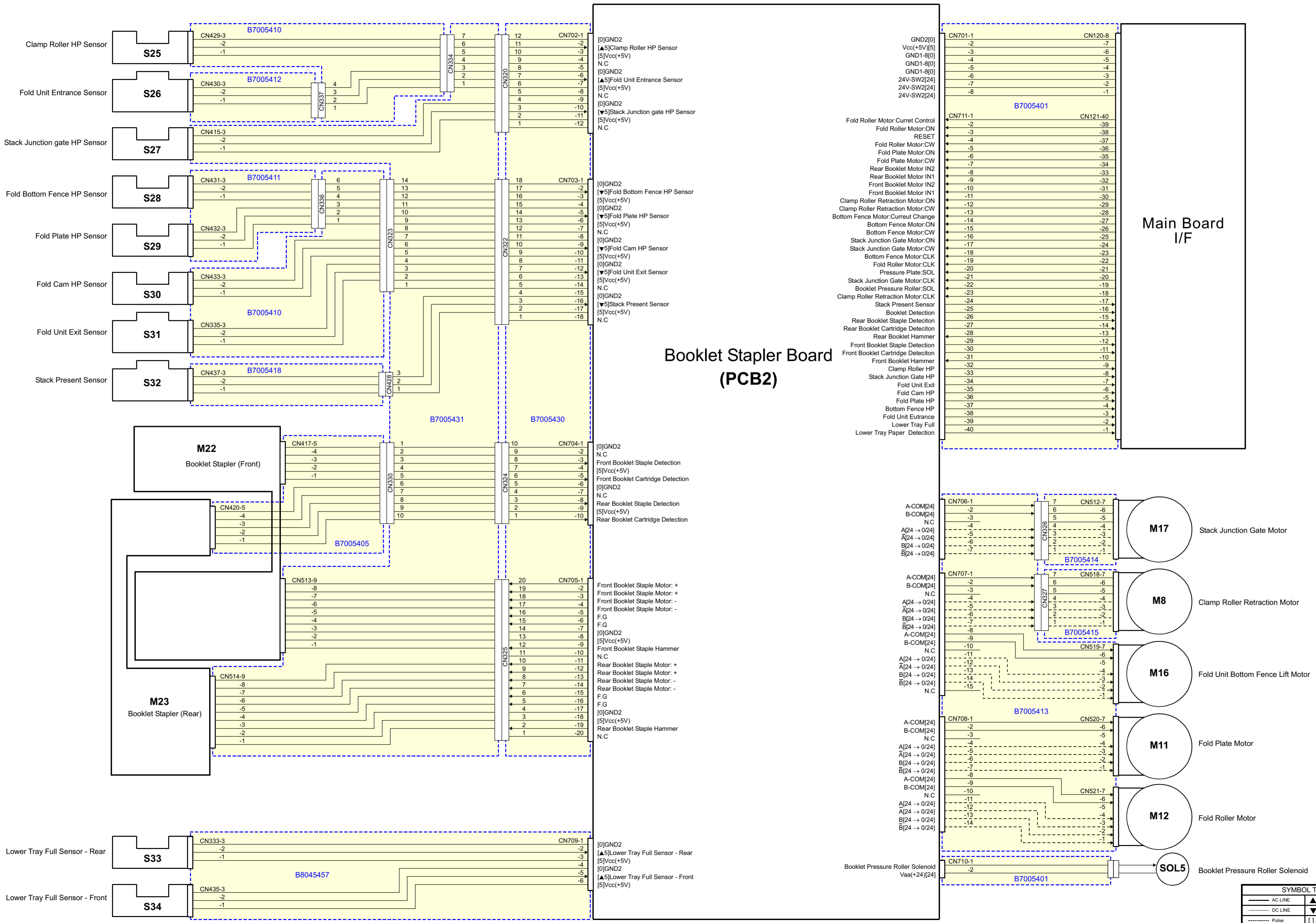
Symbol	Index No.	Description	P to P	Page
PCBs				
PCB1	29	Main Board	G6	1/2
PCB2	32	Booklet Stapler Board	D6	2/2
PCB3	62	Punch Unit Board	G3	1/2
Motors				
M1	21	Entrance Motor	A10	1/2
M2	3	Upper Transport Motor	B10	1/2
M3	20	Lower Transport Motor	A10	1/2
M4	1	Upper/Proof Tray Exit Motor	B10	1/2
M5	37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

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

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

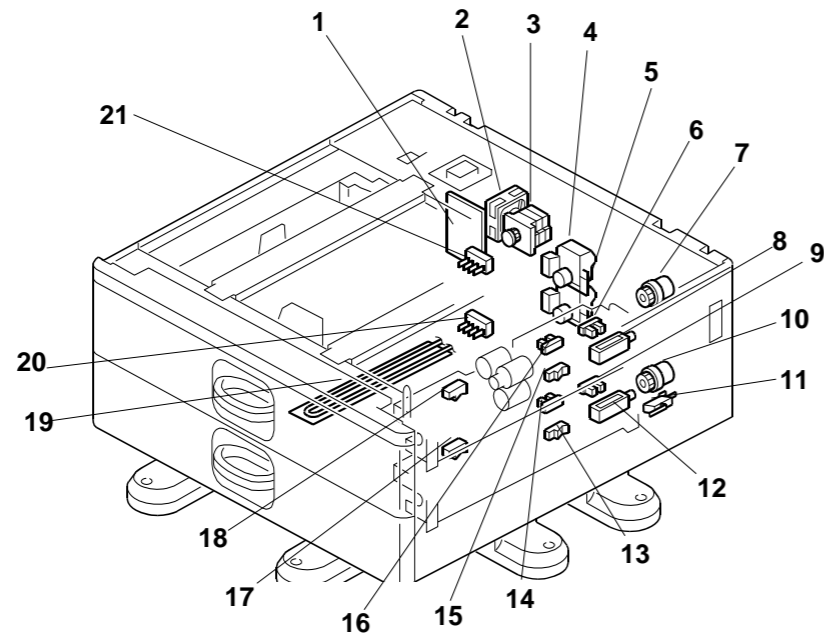


Finisher/Booklet Finisher (D636/D637) POINT TO POINT DIAGRAM 2/2



SYMBOL TABLE	
—	AC LINE
---	DC LINE
.....	Pulse
→	Signal Direction
▲	Ready Low
▼	Ready High
[]	Voltage

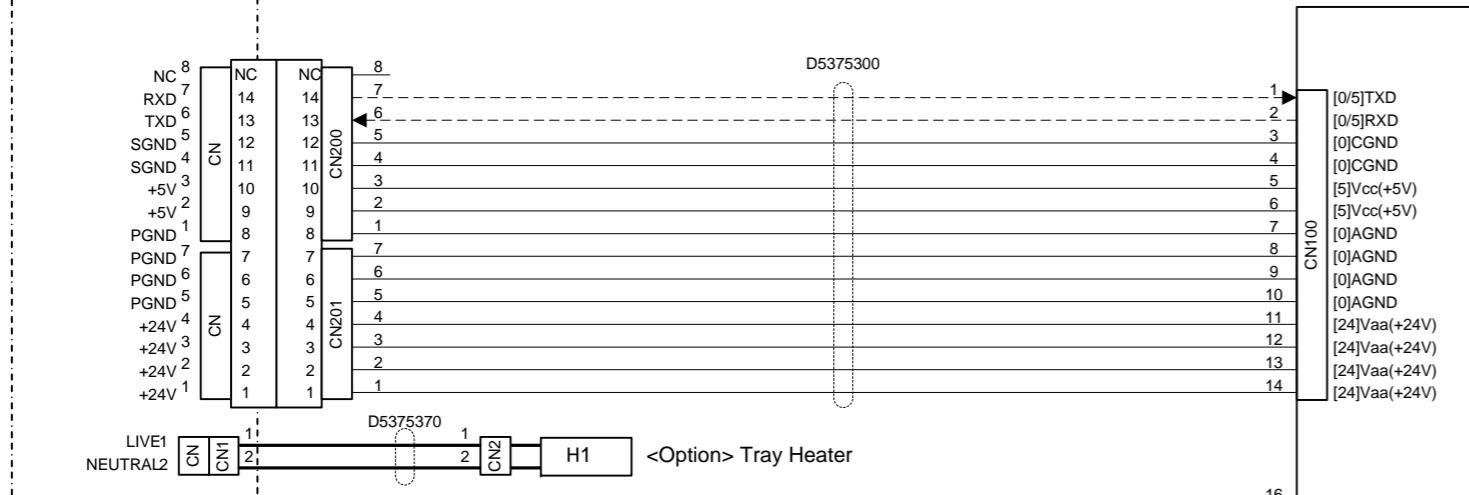
ELECTRICAL COMPONENT LAYOUT (D580)



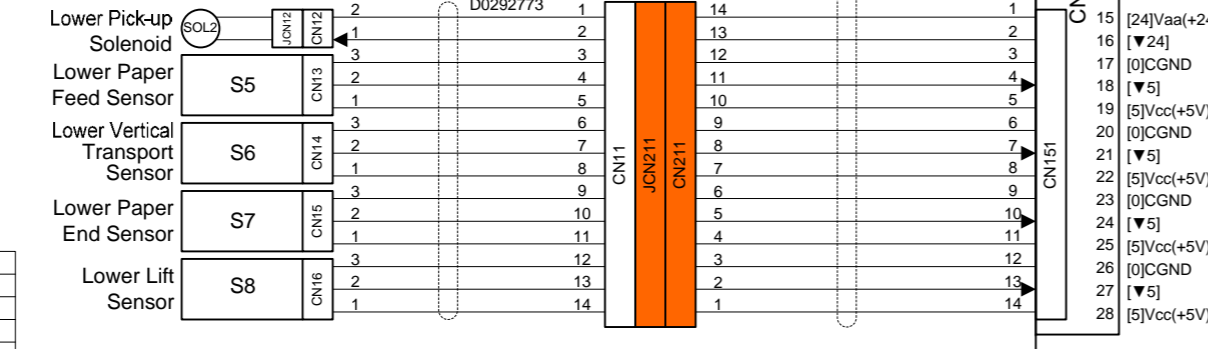
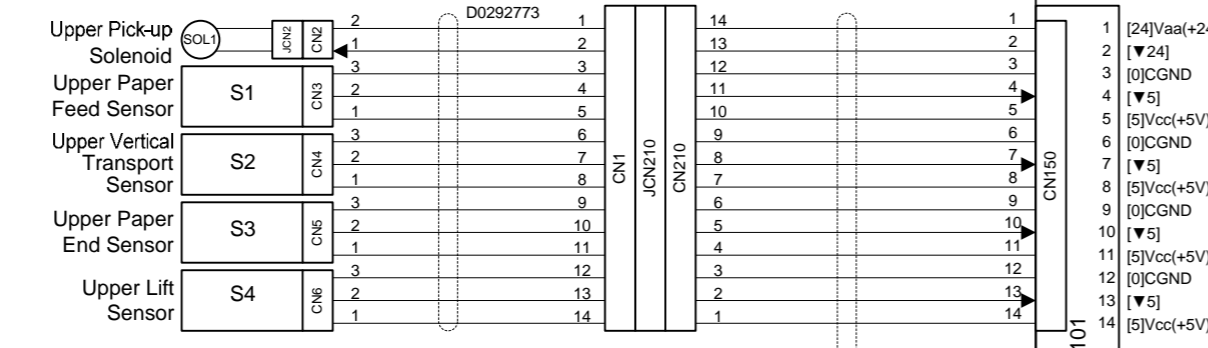
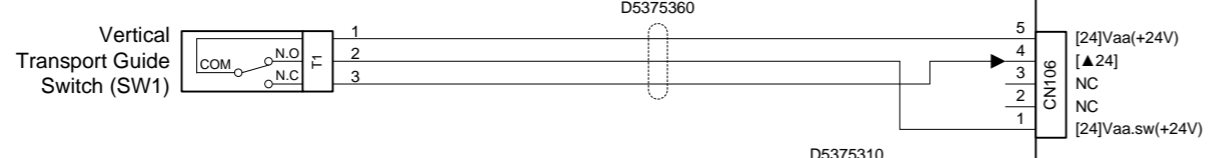
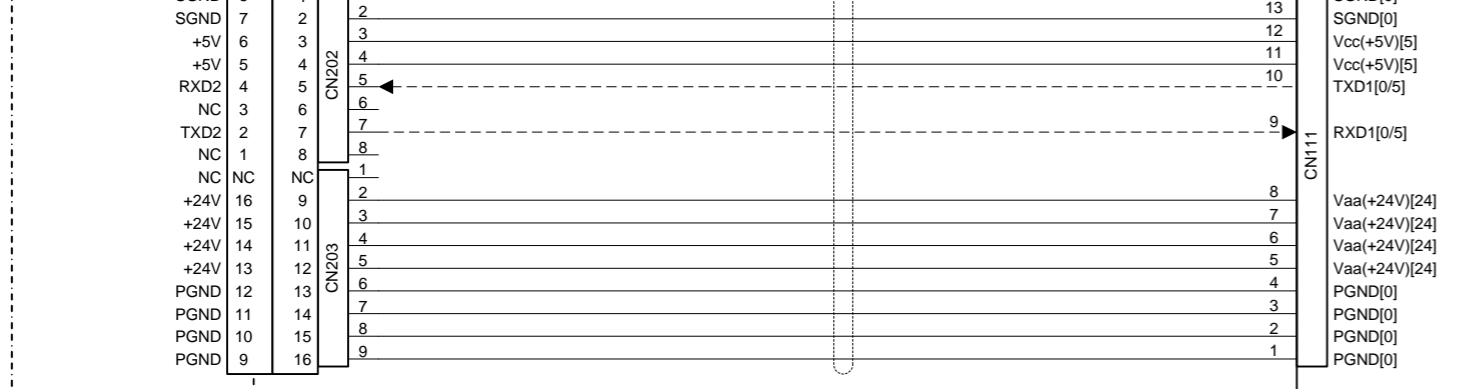
Symbol	Name	Index No.	P to P
Motors			
M1	Feed Motor	3	B9
M2	Upper Tray Lift Motor	4	E9
M3	Lower Tray Lift Motor	5	E9
Sensors			
S1	Upper Paper Feed	18	E3
S2	Upper Vertical Transport	15	E3
S3	Upper Paper End	16	F3
S4	Upper Lift	6	F3
S5	Lower Paper Feed	17	F3
S6	Lower Vertical Transport	13	F3
S7	Lower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

D580 POINT TO POINT DIAGRAM

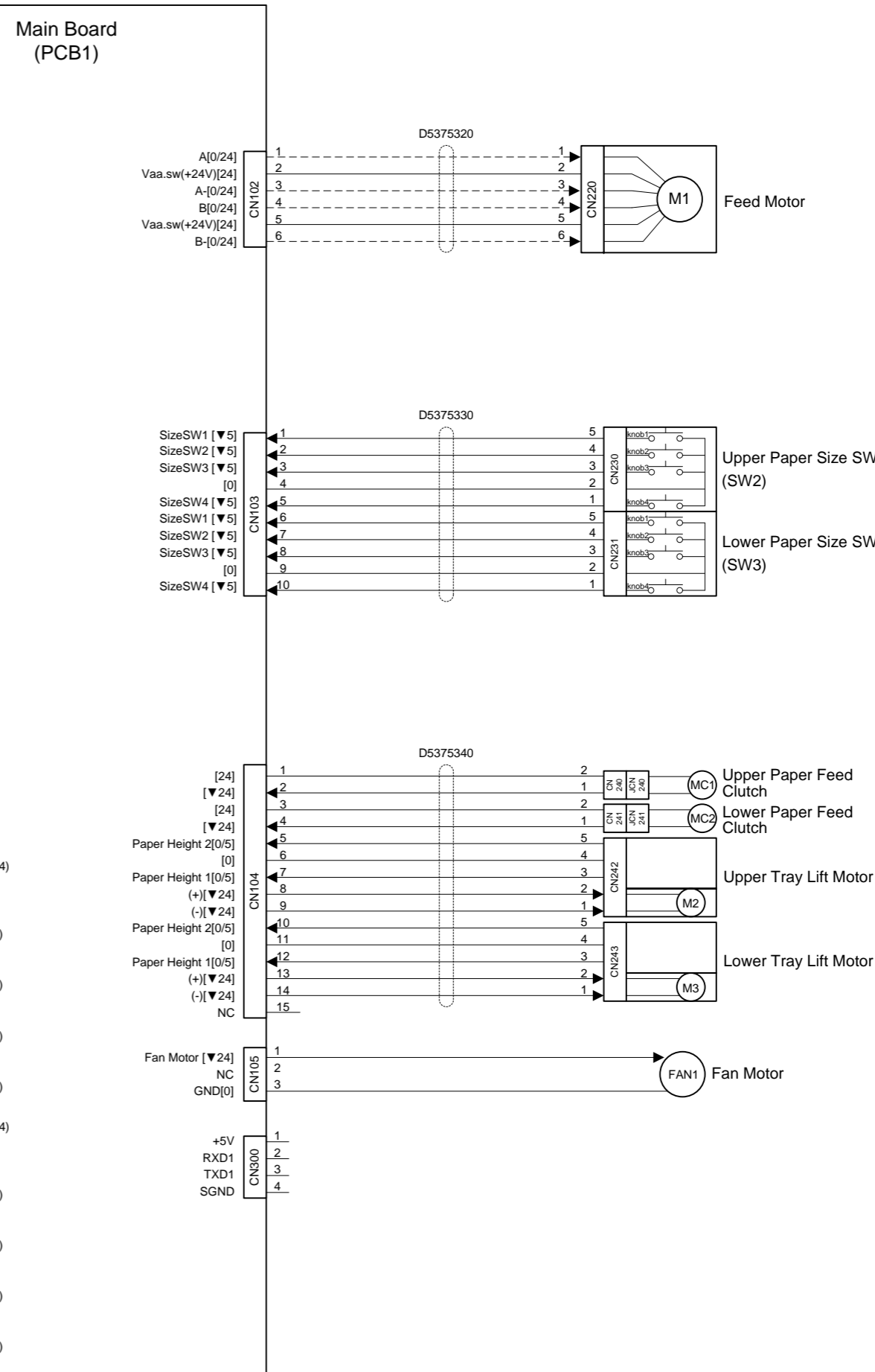
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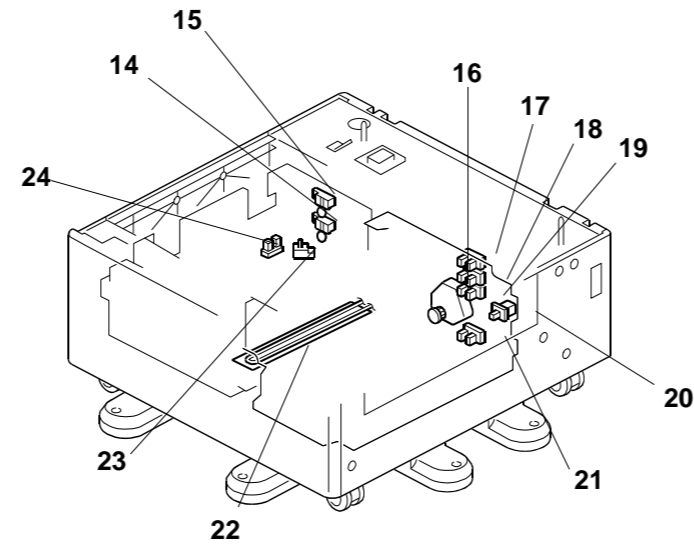
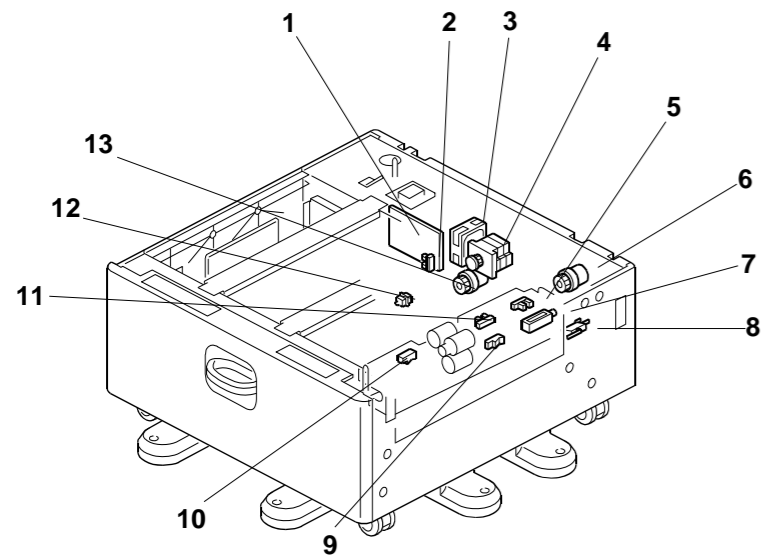
LCT[D539]



SYMBOL TABLE	
— AC LINE	▲ Ready Low
— DC LINE	▼ Ready High
⋯ Pulse Signal	[] Voltage
→ Signal Direction	



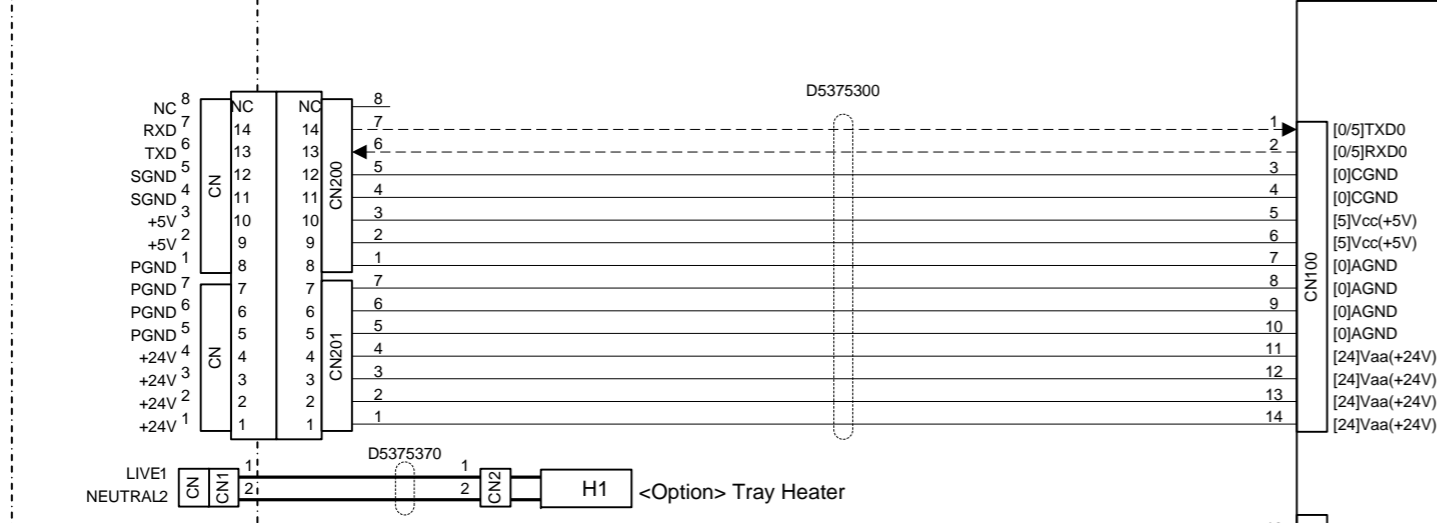
ELECTRICAL COMPONENT LAYOUT (D581)



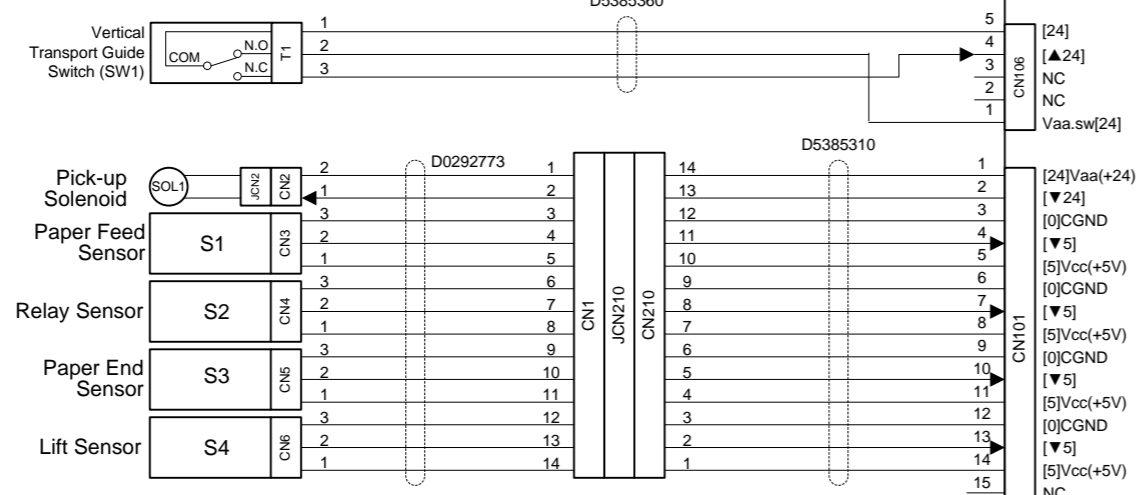
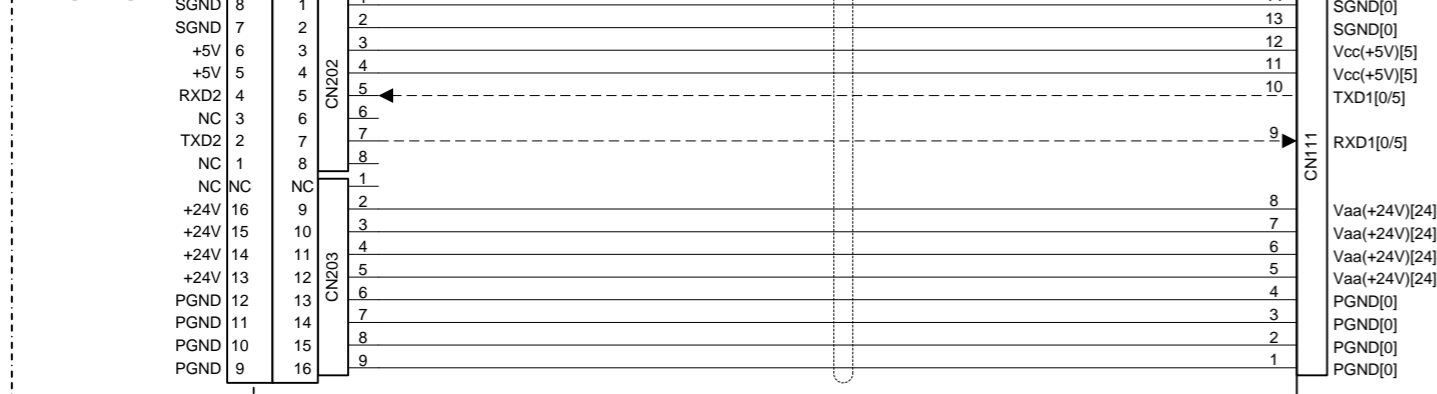
Symbol	Name	Index No.	P to P
Motors			
M1	Tray Motor	4	B9
M2	Tray Lift Motor	16	E9
Sensors			
S1	Paper Feed	10	E3
S2	Relay	9	E3
S3	Paper End	11	F3
S4	Lift	5	F3
S5	End Fence HP	24	C9
S6	Left Tray Paper End	23	C9
S7	Paper Height 4	15	C9
S8	Paper Height 5	14	C9
S9	Paper Height 1	17	D9
S10	Paper Height 2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

D581 POINT TO POINT DIAGRAM

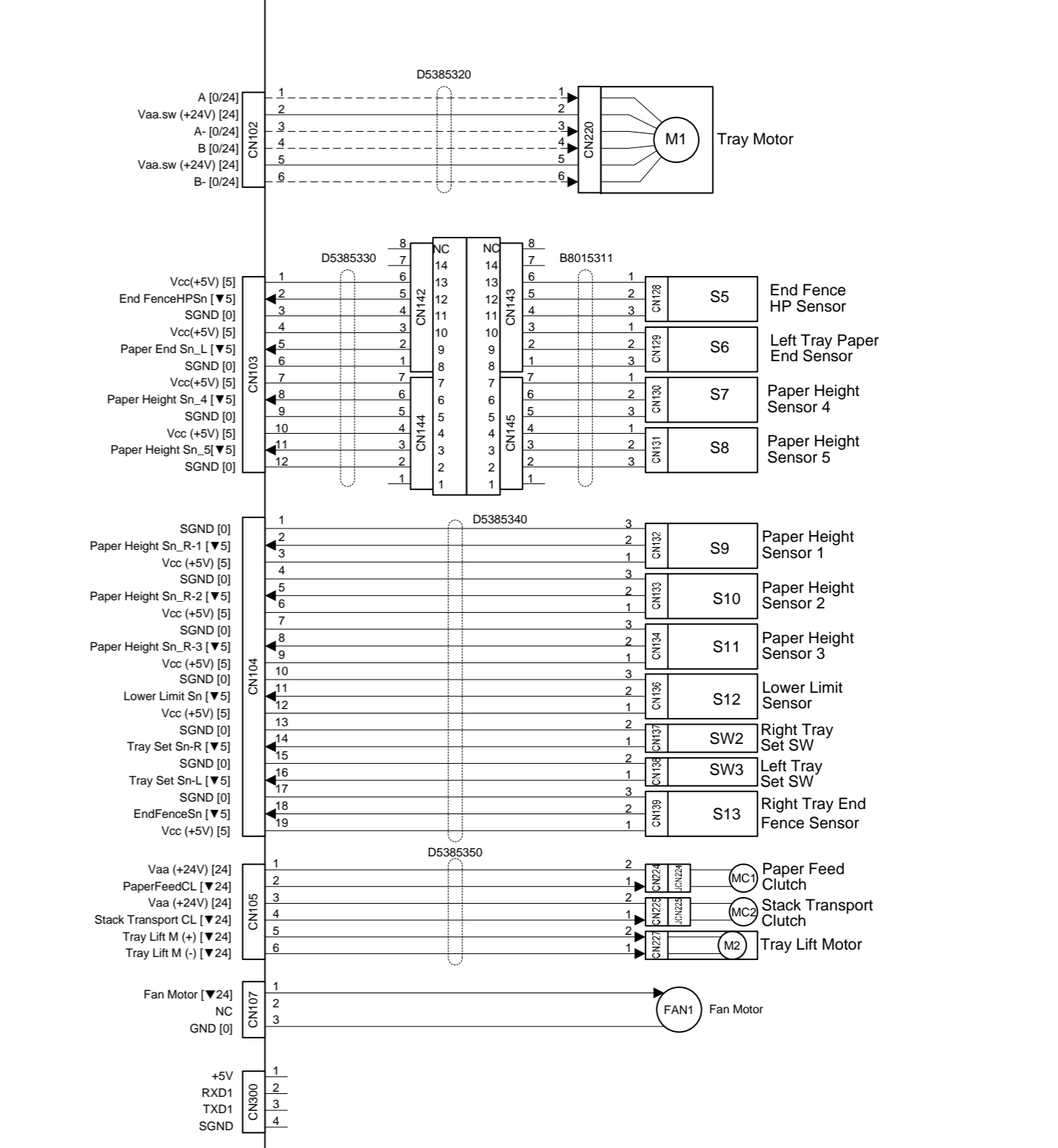
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LCT [D539]

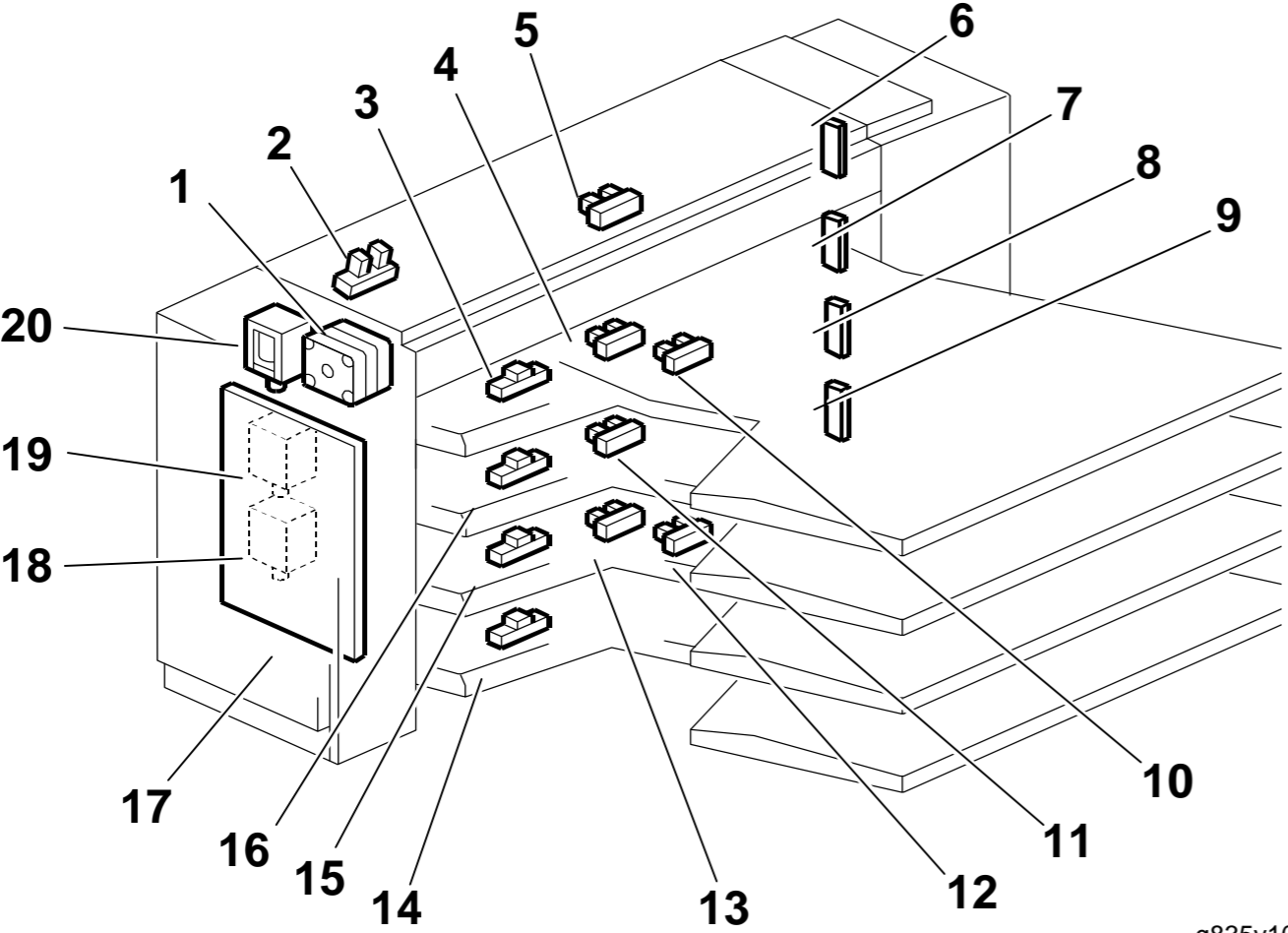


Main Board (PCB1)



SYMBOL TABLE	
AC LINE	Ready Low
DC LINE	Ready High
Pulse	[] Voltage
Signal Direction	

Mail Box (M413) ELECTRICAL COMPONENT LAYOUT



g835v103

Symbols	Description	Index No.	P-to-P
Motor			
M1	Main	1	G1
Sensors			
S1	Door Sensor	2	B1
S2	Tray 4 Paper Overflow	5	B1
S3	Tray 4 Paper	3	B2
S4	Tray 3 Paper Overflow	4	B2
S5	Tray 3 Paper	16	B2
S6	Tray 2 Paper Overflow	11	B3
S7	Upper Vertical	10	B3
S9	Tray 2 Paper	15	G3
S8	Tray 1 Paper Overflow	13	G3
S11	Lower Vertical	12	G4
S10	Tray 1 Paper	14	G4
Solenoids			
SOL1	Junction Gate Solenoid	18	G2
SOL2	Junction Gate Solenoid	19	G2
SOL3	Junction Gate Solenoid	20	G2
PCBs			
PCB1	Main Control	17	E6
PCB2	LED: Tray 4	6	B4
PCB3	LED: Tray 3	7	B4
PCB4	LED: Tray 2	8	G5
PCB5	LED: Tray 1	9	G5

Mail Box (M413) POINT TO POINT DIAGRAM

