B230/B237 POINT TO POINT DIAGRAM(1/2)

SYMBOL TABLE

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

IOB 1/2
(PCB4)

IOB 2/2
(PCB4)

SBU
(PCB6)

SIO
(PCB7)

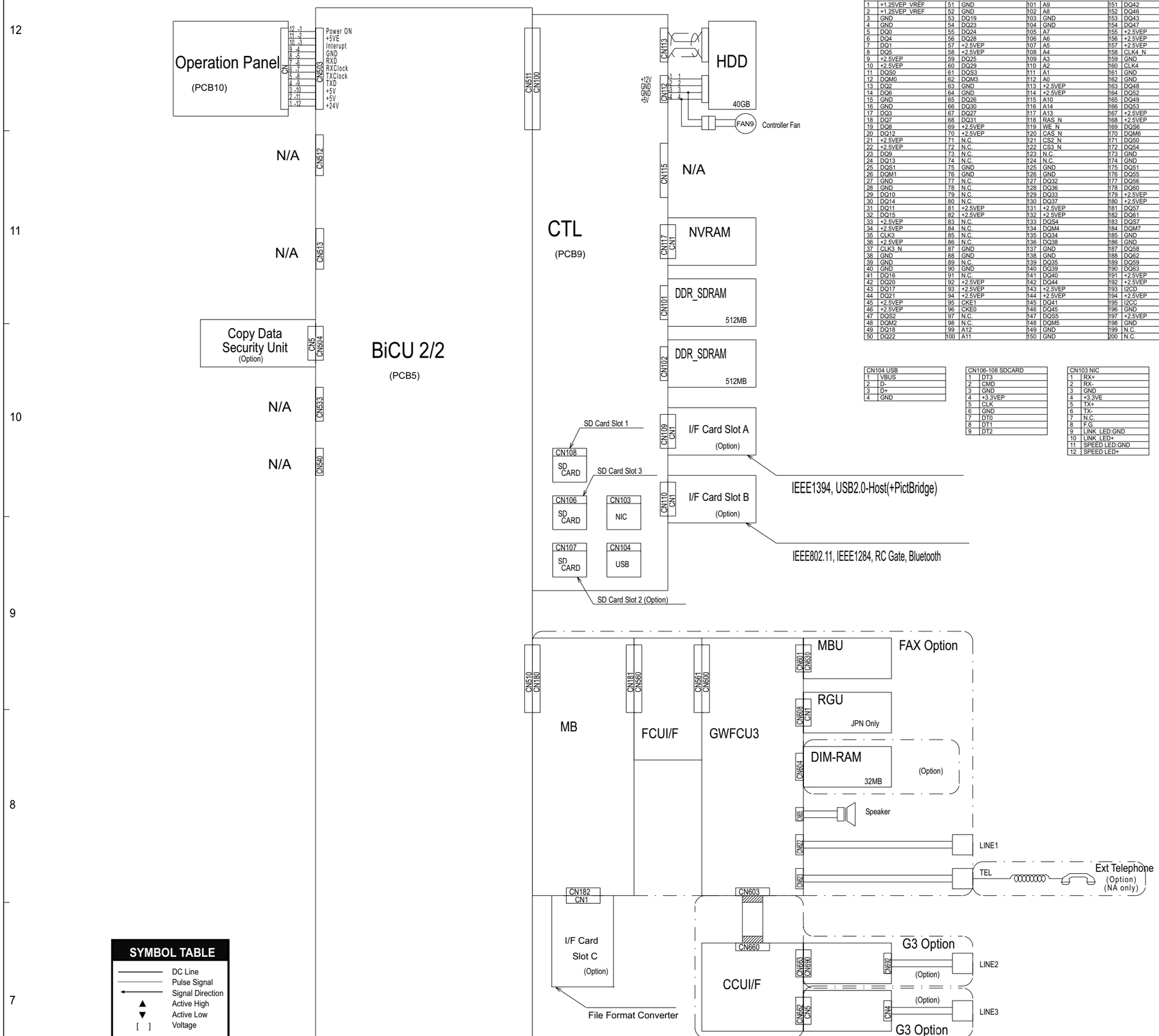
BiCU 1/2
(PCB5)

PSU
(PCB8)

High Voltage Supply Baord
(PCB2)

CN206-CN532					
1	WR:TRIO2	18	GND	35	A25
2	GND	19	D6	36	A26
3	RD:TRIO2	20	D7/LSB1	37	GND
4	GND	21	GND	38	A27
5	POWER_ON_ENG	22	FB:ID Sensor:Center	39	A28
6	FB:ID Sensor:Rear	23	FB:ID Sensor:Front	40	GND
7	CS:TRIO22	24	INT0:TRIO22	41	A29
8	CS:TRIO21	25	INT1:TRIO22	42	A30
9	POWER_ON_RESET	26	INT0:TRIO21	43	GND
10	D0(MSB)	27	INT1:TRIO21	44	A31(LSB)
11	D1	28	A20(MSB)	45	GND
12	GND	29	A21	46	RXD:ARDF
13	D2	30	A22	47	TXD:ARDF
14	D3	31	GND	48	RESET
15	GND	32	A23	49	SDA:RFID
16	D4	33	A24	50	SCL:RFID
17	D5	34	GND		

B230/B237 POINT TO POINT DIAGRAM(2/2)



CN101-CN102 DDR_SDRAM							
1	+1.25VEP_VREF	51	GND	101	A9	151	DQ42
2	+1.25VEP_VREF	52	GND	102	A8	152	DQ46
3	GND	53	DQ19	103	GND	153	DQ43
4	GND	54	DQ23	104	GND	154	DQ47
5	DQ0	55	DQ24	105	A7	155	+2.5VEP
6	DQ4	56	DQ28	106	A6	156	+2.5VEP
7	DQ1	57	+2.5VEP	107	A5	157	+2.5VEP
8	DQ5	58	+2.5VEP	108	A4	158	CLK4_N
9	+2.5VEP	59	DQ25	109	A3	159	GND
10	+2.5VEP	60	DQ29	110	A2	160	CLK4
11	DQS0	61	DQS3	111	A1	161	GND
12	DQM0	62	DQM3	112	A0	162	GND
13	DQ2	63	GND	113	+2.5VEP	163	DQ48
14	DQ6	64	GND	114	+2.5VEP	164	DQ52
15	GND	65	DQ26	115	A10	165	DQ49
16	GND	66	DQ30	116	A14	166	DQ53
17	DQ3	67	DQ27	117	A13	167	+2.5VEP
18	DQ7	68	DQ31	118	RAS_N	168	+2.5VEP
19	DQ8	69	+2.5VEP	119	WE_N	169	DQS6
20	DQ12	70	+2.5VEP	120	CAS_N	170	DQM6
21	+2.5VEP	71	N.C.	121	CS2_N	171	DQ50
22	+2.5VEP	72	N.C.	122	CS3_N	172	DQ54
23	DQ9	73	N.C.	123	N.C.	173	GND
24	DQ13	74	N.C.	124	N.C.	174	GND
25	DQS1	75	GND	125	GND	175	DQ51
26	DQM1	76	GND	126	GND	176	DQ55
27	GND	77	N.C.	127	DQ32	177	DQ56
28	GND	78	N.C.	128	DQ36	178	DQ60
29	DQ10	79	N.C.	129	DQ33	179	+2.5VEP
30	DQ14	80	N.C.	130	DQ37	180	+2.5VEP
31	DQ11	81	+2.5VEP	131	+2.5VEP	181	DQ57
32	DQ15	82	+2.5VEP	132	+2.5VEP	182	DQ61
33	+2.5VEP	83	N.C.	133	DQS4	183	DQS7
34	+2.5VEP	84	N.C.	134	DQM4	184	DQM7
35	CLK3	85	N.C.	135	DQ34	185	GND
36	+2.5VEP	86	N.C.	136	DQ38	186	GND
37	CLK3_N	87	GND	137	GND	187	DQ58
38	GND	88	GND	138	GND	188	DQ62
39	GND	89	N.C.	139	DQ35	189	DQ59
40	GND	90	GND	140	DQ39	190	DQ63
41	DQ16	91	N.C.	141	DQ40	191	+2.5VEP
42	DQ20	92	+2.5VEP	142	DQ44	192	+2.5VEP
43	DQ17	93	+2.5VEP	143	+2.5VEP	193	I2CD
44	DQ21	94	+2.5VEP	144	+2.5VEP	194	+2.5VEP
45	+2.5VEP	95	CKE1	145	DQ41	195	I2CC
46	+2.5VEP	96	CKE0	146	DQ45	196	GND
47	DQS2	97	N.C.	147	DQS5	197	+2.5VEP
48	DQM2	98	N.C.	148	DQM5	198	GND
49	DQ18	99	A12	149	GND	199	N.C.
50	DQ22	100	A11	150	GND	200	N.C.

CN511-CN100 BiCU-CTL							
1	+5VE(+3.3VE)	51	PCIAD58	101	+5VE(+3.3VE)	151	PCIAD59
2	+5VE(+3.3VE)	52	PCIAD56	102	+5VE(+3.3VE)	152	PCIAD57
3	+5VE(+3.3VE)	53	GND	103	+5VE(+3.3VE)	153	GND
4	+5VE(+3.3VE)	54	PCIAD54	104	+5VE(+3.3VE)	154	PCIAD55
5	+5VE(+3.3VE)	55	PCIAD52	105	+5VE(+3.3VE)	155	PCIAD53
6	+5VE	56	PCIAD50	106	+5VE	156	PCIAD51
7	+5VE	57	PCIAD48	107	+5VE	157	PCIAD49
8	+5V	58	GND	108	+5VE	158	GND
9	INTD#	59	PCIAD46	109	INTC#	159	PCIAD47
10	INTA#	60	PCIAD44	110	INTB#	160	PCIAD45
11	REQ6#	61	PCIAD42	111	REQ3#	161	PCIAD43
12	GNT6#	62	PCIAD40	112	GNT3#	162	PCIAD41
13	REQ1#	63	GND	113	REQ2#	163	GND
14	GNT1#	64	PCIAD38	114	GNT2#	164	PCIAD39
15	GND	65	PCIAD36	115	GND	165	PCIAD37
16	PCIAD30	66	PCIAD34	116	PCIAD31	166	PCIAD35
17	PCIAD28	67	PCIAD32	117	PCIAD29	167	PCIAD33
18	PCIAD26	68	GND	118	PCIAD27	168	GND
19	PCIAD24	69	PETXD	119	PCIAD25	169	PERXD
20	GND	70	PONSENS#	120	GND	170	INTF#
21	PCIAD22	71	OP2_TCLK	121	PCIAD23	171	OP2_RCLK
22	PCIAD20	72	OP2_TXD	122	PCIAD21	172	OP2_RXD
23	PCIAD18	73	OP2_REQ	123	PCIAD19	173	SD_CMDDIR
24	PCIAD16	74	REQ5#	124	PCIAD17	174	SD_DTDIR
25	GND	75	SD_DT_EN#	125	GND	175	GNT5#
26	C/BE2#	76	SD_CMD_EN#	126	C/BE3#	176	PCICLKE6
27	C/BE0#	77	GND	127	C/BE1#	177	GND
28	PCIRST#	78	SDCLK	128	PME#	178	SD_DT0
29	DEVSEL#	79	SDCD#	129	TRDY#	179	SD_DT1
30	IRDY#	80	SD_CMD#	130	FRAME#	180	SD_DT2
31	PERR#	81	SDWP	131	STOP#	181	SD_DT3
32	PAR	82	GND	132	SERR#	182	GND
33	GND	83	OP0_CLK/OP4_CLK	133	GND	183	ENGRDY1#
34	PCIAD14	84	OP0_TXD/OP4_CS#	134	PCIAD15	184	ENGRDY2#
35	PCIAD12	85	OP0_RXD/OP4_SDA	135	PCIAD13	185	PW_SW#
36	PCIAD10	86	OP4_IRQ#	136	PCIAD11	186	WKUP_L#
37	PCIAD8	87	OP4_ONLINE_LED_ON#	137	PCIAD9	187	WKUP_E
38	GND	88	CSSTXD	138	GND	188	OP4_RST#
39	PCIAD6	89	CSSRXD	139	PCIAD7	189	RESERVE
40	PCIAD4	90	PONENG#	140	PCIAD5	190	VDET_EPCI
41	PCIAD2	91	PONPCI#	141	PCIAD3	191	SD_POWER_+3.3VE
42	PCIAD0	92	PSAVE_FCU	142	PCIAD1	192	PCICLKE3
43	GND	93	GND	143	GND	193	GND
44	C/BE6#	94	PCICLKE1	144	C/BE7#	194	PCICLKE2
45	C/BE4#	95	GND	145	C/BE5#	195	GND
46	64REQ#	96	PCICLKE4	146	64ACK#	196	PCICLKE5
47	64PAR	97	GND	147	INTE#	197	GND
48	GND	98	+12VE	148	GND	198	+12VE
49	PCIAD62	99	+12VE	149	PCIAD63	199	+12VE
50	PCIAD60	100	+12VE	150	PCIAD61	200	+12VE

CN104 USB	
1	VBUS
2	D-
3	D+
4	GND

CN106-108 SDCARD	
1	DT3
2	CMD
3	GND
4	+3.3VEP
5	CLK
6	GND
7	DT0
8	DT1
9	DT2

CN103 NIC	
1	RX+
2	RX-
3	GND
4	+3.3VE
5	TX+
6	TX-
7	N.C.
8	F.G.
9	LINK_LED:GND
10	LINK_LED+
11	SPEED LED:GND
12	SPEED LED+

CN117 NVRAM	
1	GND
2	GND
3	+3.3VE
4	+3.3VE
5	SPI1CS0!
6	SPI1CS1!
7	SPI1CS2!
8	SPI1CS3!
9	SPI1DOUT
10	SPI1CLK
11	SPI1DIN
12	SPI2DIN
13	SPI2CS1!
14	SPI2CS0!
15	SPI2DOUT
16	SPI2CLK
17	FRAMBankSEL
18	Tio Option
19	FRAMBankSEL
20	RESERVE
21	FRAMBankSEL
22	RTCINT
23	I2CCLK
24	I2CDATA
25	Tio Option
26	Tio Option
27	+3.3VE
28	+3.3VE
29	GND
30	GND

CN113 HDD	
1	RESET!
2	GND
3	DD7
4	DD8
5	DD6
6	DD9
7	DD5
8	DD10
9	DD4
10	DD11
11	DD3
12	DD12
13	DD2
14	DD13
15	DD1
16	DD14
17	DD0
18	DD15
19	GND
20	GND
21	DMARQ
22	GND
23	DIOW!
24	GND
25	DIOR!
26	GND
27	IORDY!
28	CSEL
29	DMACK!
30	GND
31	INTRQ
32	N.C.
33	DA1
34	N.C.
35	DA0
36	DA2
37	CS0!
38	CS1!
39	N.C.
40	GND

CN109-110 I/F CARD SLOT			
1	GND	45	XDEVSEL
2	XINT_C	46	XSTOP
3	GND	47	GND
4	N.C.	48	XPERR
5	GND	49	XSERR
6	CLKRUN	50	PAR
7	GND	51	GND
8	XRST	52	C/BE1
9	GND	53	AD15
10	CLKT	54	AD14
11	GND	55	GND
12	XGNT5	56	AD13
13	GND	57	AD12
14	XREQ5	58	AD11
15	GND	59	GND
16	XPME	60	AD10
17	AD31	61	AD9
18	AD30	62	AD8
19	AD29	63	GND
20	AD28	64	C/BE0
21	AD27	65	AD7
22	AD26	66	AD6
23	GND	67	AD5
24	AD25	68	AD4
25	AD24	69	AD3
26	C/BE3	70	AD2
27	GND	71	+3.3VEP
28	IDSEL	72	AD1
29	AD23	73	+3.3VEP
30	AD22	74	AD0
31	GND	75	+3.3VEP
32	AD21	76	N.C.
33	AD20	77	+3.3VEP
34	AD19	78	N.C.
35	GND	79	+3.3VEP
36	AD18	80	N.C.
37	AD17	81	+3.3VEP
38	AD16	82	N.C.
39	GND	83	+5VEP
40	C/BE2	84	N.C.
41	XFRAME	85	+5VEP
42	XIRDY	86	N.C.
43	GND	87	+3.3Vaux
44	XTRDY	88	N.C.

CN510-CN180 BiCU-MB							
1	+5VE	36	PCIAD0	71	+5VE	106	PCIAD5
2	+5VE	37	GND	72	+5VE	107	PCIAD3
3	+5VE	38	C/BE6#	73	+5VE	108	PCIAD1
4	+5VE	39	C/BE4#	74	+5VE	109	GND
5	+5VE	40	64REQ#	75	INTC#	110	C/BE7#
6	+5VE	41	64PAR	76	INTB#	111	C/BE5#
7	REQ6#	42	GND	77	REQ3#	112	64ACK#
8	GNT6#	43	PCIAD62	78	GNT3#	113	INTE#
9	GND	44	PCIAD60	79	REQ2#	114	GND
10	PCIAD30	45	PCIAD58	80	GNT2#	115	PCIAD63
11	PCIAD28	46	PCIAD56	81	GND	116	PCIAD61
12	PCIAD26	47	GND	82	PCIAD31	117	PCIAD59
13	PCIAD24	48	PCIAD54	83	PCIAD29	118	PCIAD57
14	GND	49	PCIAD52	84	PCIAD27	119	GND
15	PCIAD22	50	PCIAD50	85	PCIAD25	120	PCIAD55
16	PCIAD20	51	PCIAD48	86	GND	121	PCIAD53
17	PCIAD18	52	GND	87	PCIAD23	122	PCIAD51
18	PCIAD16	53	PCIAD46	88	PCIAD21	123	PCIAD49
19	GND	54	PCIAD44	89	PCIAD19	124	GND
20	C/BE2#	55	PCIAD42	90	PCIAD17	125	PCIAD47
21	C/BE0#	56	PCIAD40	91	GND	126	PCIAD45
22	PCIRST#	57	GND	92	C/BE3#	127	PCIAD43
23	DEVSEL#	58	PCIAD38	93	C/BE1#	128	PCIAD41
24	IRDY#	59	PCIAD36	94	PME#	129	GND
25	PERR#	60	PCIAD34	95	TRDY#	130	PCIAD39
26	PAR	61	PCIAD32	96	FRAME#	131	PCIAD37
27	GND	62	GND	97	STOP#	132	PCIAD35
28	PCIAD14	63	PONENG#	98	SERR#	133	PCIAD33
29	PCIAD12	64	PONPCI#	99	GND	134	VDET_EPCI
30	PCIAD10	65	PSAVE_FCU	100	PCIAD15	135	PCICLKE3
31	PCIAD8	66	+24V	101	PCIAD13	136	GND
32	GND	67	+24V	102	PCIAD11	137	PCICLKE2
33	PCIAD6	68	+24V	103	PCIAD9	138	GND
34	PCIAD4	69	(+5VE)	104	GND	139	PCICLKE5
35	PCIAD2	70	(+5VE)	105	PCIAD7	140	GND

SYMBOL TABLE

———	DC Line
·····	Pulse Signal
←———	Signal Direction
▲	Active High
▼	Active Low
[ ]	Voltage

B230/B237 ELECTRICAL COMPONENT LAYOUT (1/2)

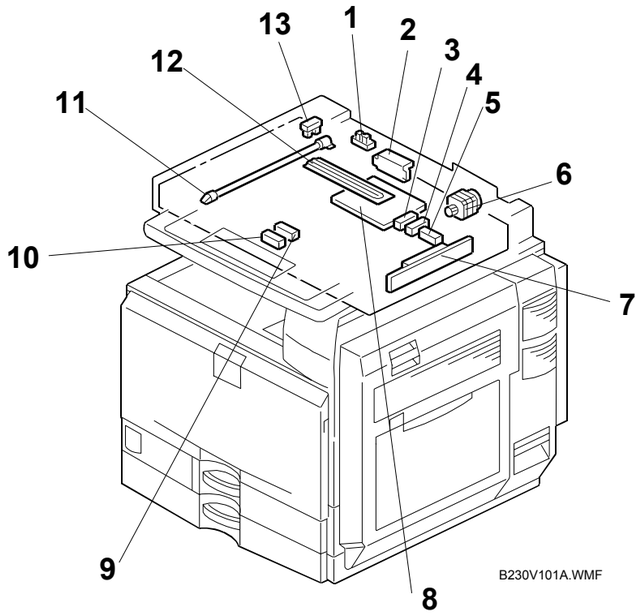


Fig-1

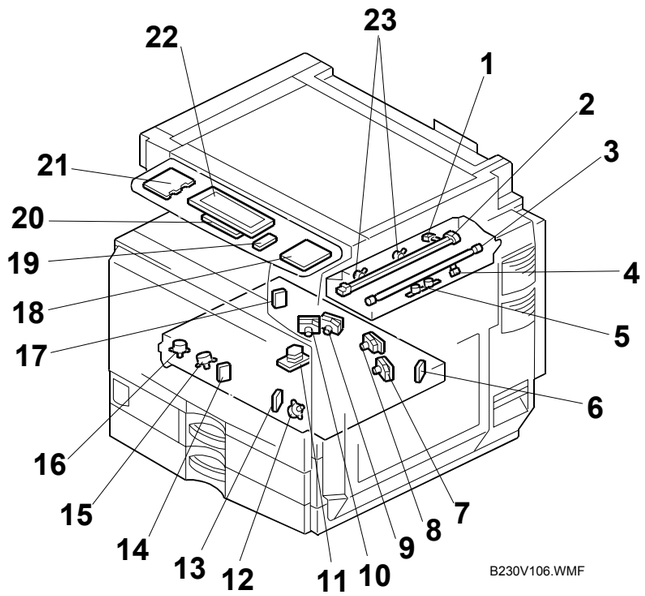


Fig-2

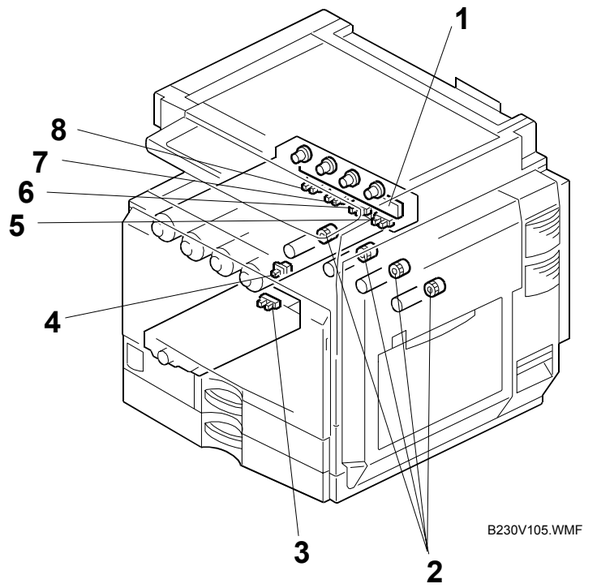


Fig-3

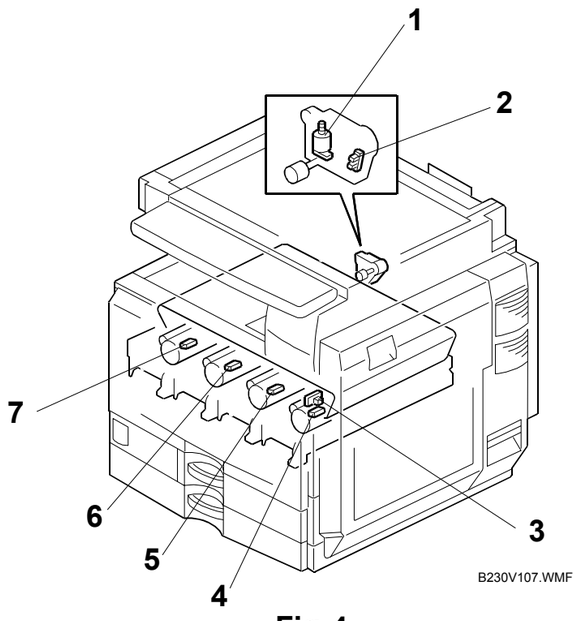


Fig-4

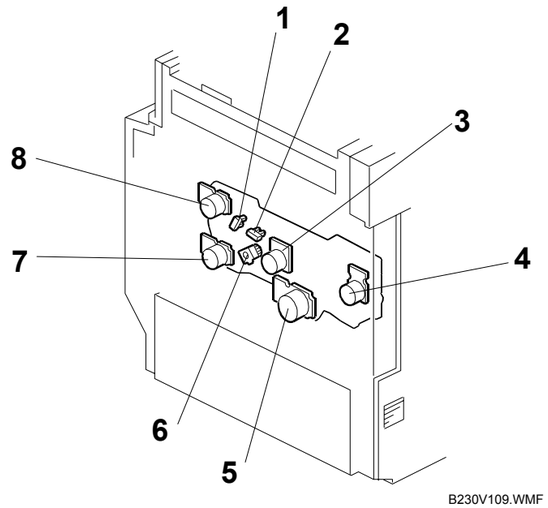


Fig-5

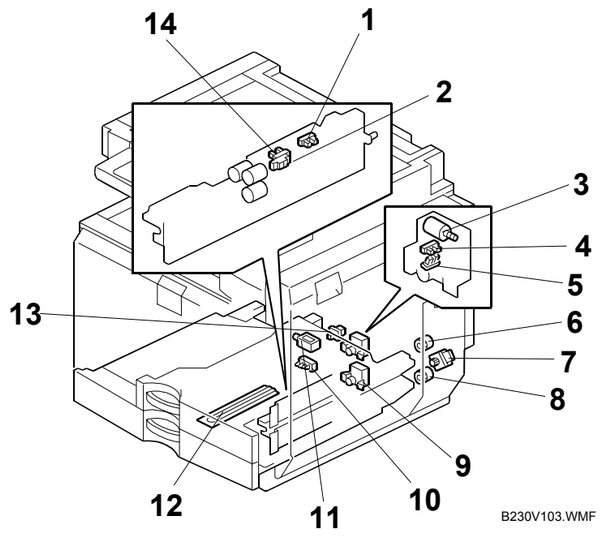


Fig-6

B230/B237 ELECTRICAL COMPONENT LAYOUT (2/2)

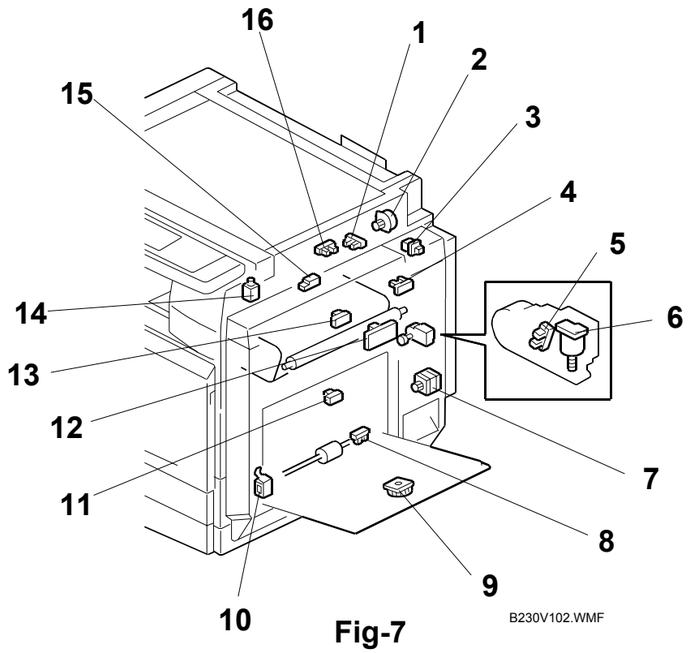


Fig-7

B230V102.WMF

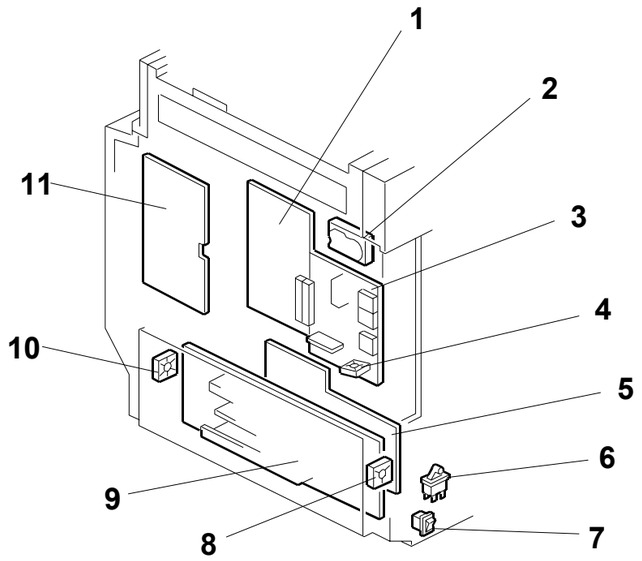
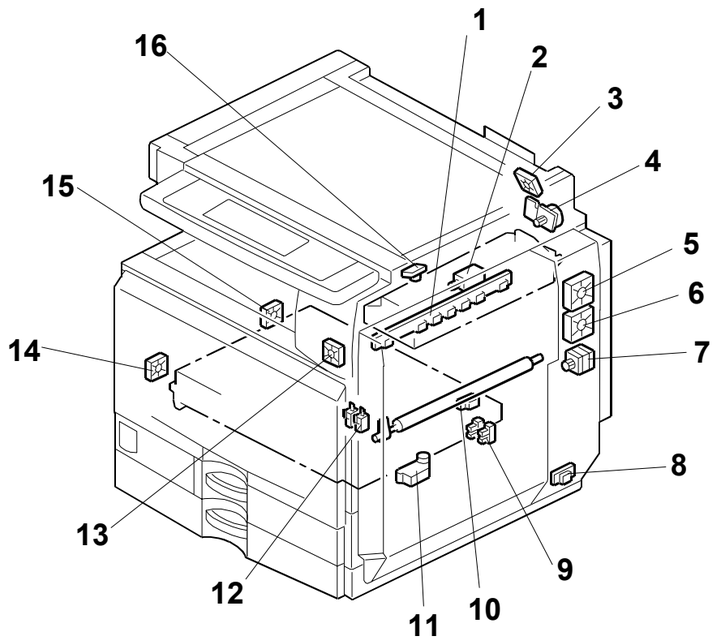


Fig-8

B230V108.WMF



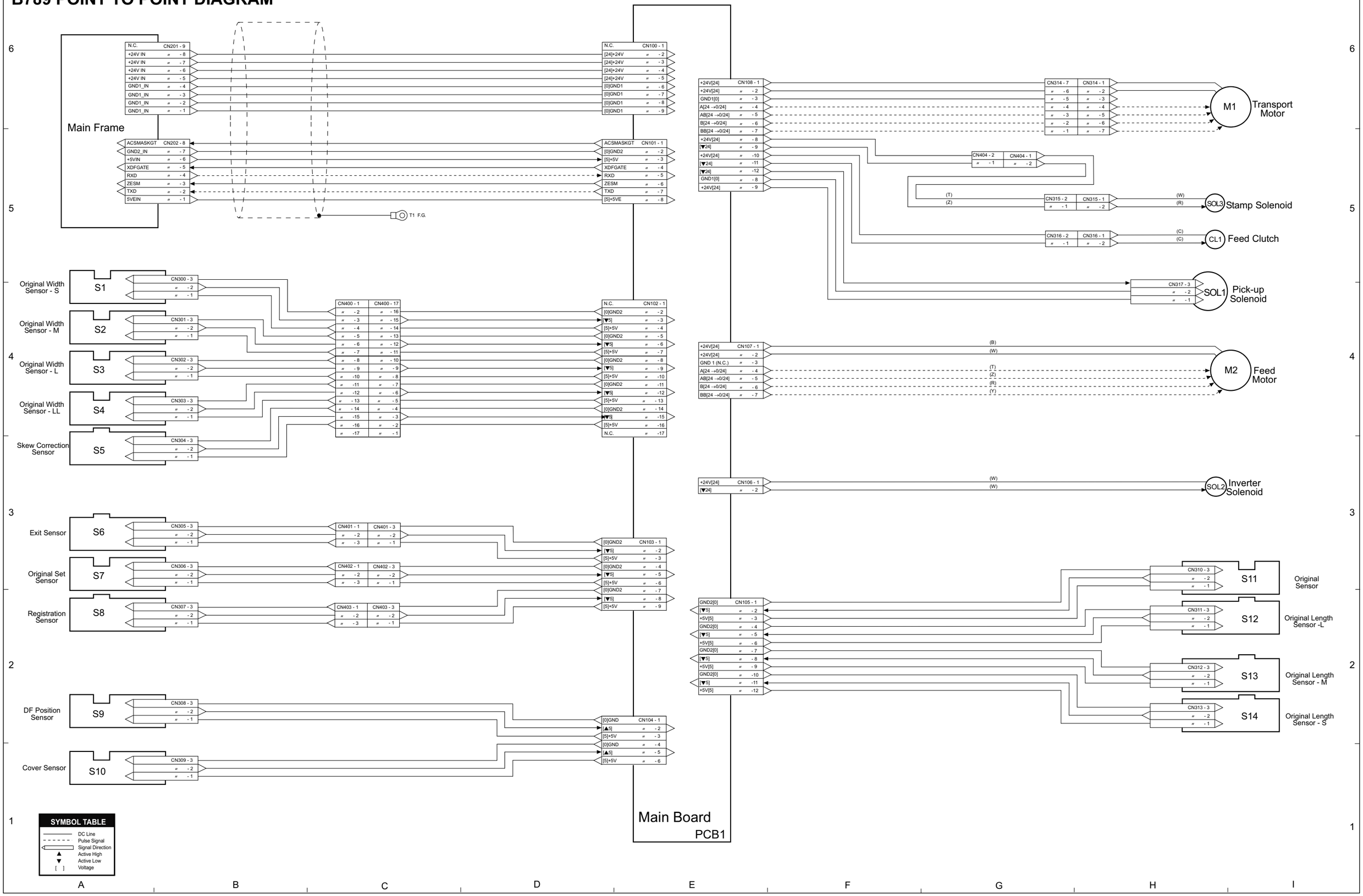
B230V104.WMF

Fig-9

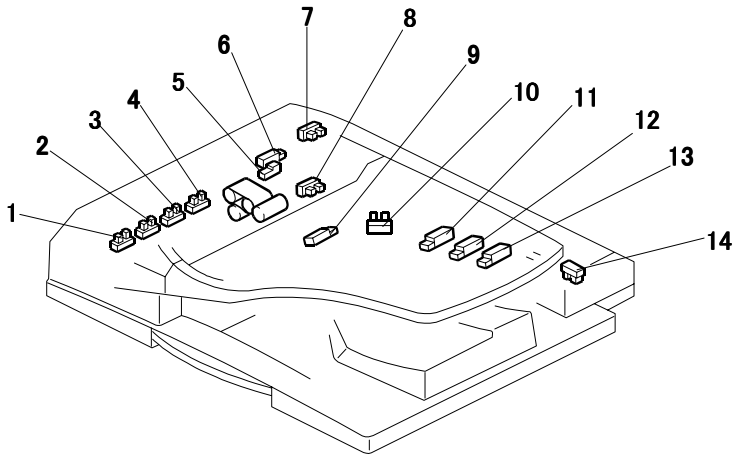
Symbol	Index No.	Description	P to P
Motors			
M1	9-4	Fusing Paper Exit Motor	A6
M2	7-2	Duplex Inverter Motor	B6
M3	5-5	Development Drive Motor-CMY	D6
M4	5-7	Drum/Development Drive Motor-K	D6
M5	5-8	Image Transfer Belt Unit Drive Motor	E6
M6	7-6	Paper Transfer Roller Contact Motor	E6
M7	9-11	Shutter Motor	F6
M8	4-1	Image Transfer Belt Contact Motor	F6
M9	5-3	Drum Drive Motor-CMY	F6
M10	5-4	Toner Transport Motor	H6
M11	7-7	Duplex/By-pass Motor	C4
M12	9-7	Registration Motor	C4
M13	6-7	Paper Feed Motor	C4
M14	6-3	Tray Lift Motor 1	E4
M15	6-9	Tray Lift Motor 2	E4
M16	2-12	WTL Positioning Motor-M	C3
M17	2-15	WTL Positioning Motor-C	C3
M18	2-16	WTL Positioning Motor-Y	C3
M19	2-11	Polygon Motor	C2
M20	1-6	Scanner Drive Motor	F3
Clutches			
CL1	6-6	Tray 1 Paper Feed Clutch	A6
CL2	6-8	Tray 2 Paper Feed Clutch	A6
CL3	5-6	Development Clutch	E6
CL4,5,6,7	3-2	Toner Supply Clutch	G6
CL8	3-9	Toner Bottle Clutch - K	H6
CL9	3-10	Toner Bottle Clutch - Y	H6
CL10	3-12	Toner Bottle Clutch - C	H6
CL11	3-11	Toner Bottle Clutch - M	H6
Solenoids			
SOL1	6-11	Tray Lock Solenoid	E4
SOL2	7-10	By-pass Solenoid	F5
SOL3	9-2	ID Sensor Shutter Solenoid	I4
SOL4	7-14	Junction Gate Solenoid	B6
Switches			
SW1	7-3	Right Cover Open Switch	B6
SW2	6-13	Tray 1 Set Switch	E4
SW3	3-4	Waste Toner Bottle Set Switch	E3
SW4	8-6	Main Switch	I3
SW5	9-12	Front Door Switch (Interlock SW)	I2
SW6	8-7	Anti-condensation Heater Switch (Option)	I2

Symbol	Index No.	Description	P to P
Sensors			
S1	9-1	ID Sensor	C6
S2	9-10	Registration Sensor	C6
S3	5-1	Drum Gear Position Sensor - K	D6
S4	5-2	Drum Gear Position Sensor - CMY	D6
S5, S6	9-9	Shutter Positioning Sensor	F6
S7	3-7	Toner End Sensor - Y	G6
S8	3-5	Toner End Sensor - C	G6
S9	3-6	Toner End Sensor - M	G6
S10	3-8	Toner End Sensor - K	H6
S11	4-3	Image Transfer Belt Rotation Sensor	I6
S12,15	6-2	Paper Feed Sensor	B4
S13, 126	6-14	Paper End Sensor	B4
S14,17	6-1	Paper Lift Sensor	B4
S18	6-4	Tray 1 Paper Height Sensor 1	D4
S19	6-5	Tray 1 Paper Height Sensor 2	E4
S20,S21	6-9	Tray2 Paper Height Sensor 1,2 (Tray Lift Motor	E4
S22	7-9	By-pass Paper Size Sensor	E5
S23	7-8	By-pass Paper Detection Sensor	F5
S24	7-13	Fusing Entrance Sensor	F5
S25	7-11	Duplex Entrance Sensor	F4
S26	7-4	Duplex Exit Sensor	F4
S27	4-4	TD Sensor - K	F5
S28	4-6	TD Sensor - C	G5
S29	4-7	TD Sensor - Y	G5
S30	4-5	TD Sensor - M	G5
S31	7-15	Fusing Exit Sensor	D3
S32	3-3	Waste Toner Sensor	E3
S33	6-10	Tray 2 Paper Size Switch	E3
S34	9-8	Temperature/Humidity Sensor	F3
S35	9-16	Thermopile	G3
S36	7-16	Paper Exit Sensor	-
S37	7-1	Paper Overflow Sensor	-
S38	1-9	Original Width Sensor 1	E2
S39	1-10	Original Width Sensor 2	F2
S40	1-3	Original Length Sensor 1	F2
S41	1-4	Original Length Sensor 2	F2
S42	1-5	Original Length Sensor 3	F2
S43	1-13	Scanner H.P. Sensor	F2
S44	1-1	Platen Cover Sensor	F2
(M6)	7-5	Paper Transfer Roller H.P. Sensor	E6
(M8)	4-2	Image Transfer Belt Contact Sensor	F6
PCBs			
PCB1	3-1	RFID Antenna Board	G6
PCB2	8-11	High Voltage Supply Board	D4
PCB3	7-12	High Voltage Supply Board - Discharge Plate	F5
PCB4	8-5	IOB	B5,B3
PCB5	8-1	BICU	E1,C10
PCB6	1-7	SBU	D2
PCB7	1-8	SIO	E2
PCB8	8-9	PSU (Power Supply Unit)	H2
PCB9	8-3	Controller	D11
PCB10	2-20	LCD Controller	B12
-	2-18	Operation Panel Board - Right	-
-	2-19	LCD Back Light Driver	-
-	2-21	Operation Panel Board - Left	-
-	2-22	LCD	-
PCB11	2-7	LD Unit-M	B2
PCB12	2-8	LD Unit-K	B2
PCB13	2-9	LD Unit-C	B2
PCB14	2-10	LD Unit-Y	B3
PCB16	2-17	Laser Synchronizing Detector Board-CY-E	C2
PCB17	2-14	Laser Synchronizing Detector Board-CY-S	C2
PCB18	2-13	Laser Synchronizing Detector Board-KM-E	C2
PCB19	2-6	Laser Synchronizing Detector Board-KM-S	C2
PCB20	1-2	Lamp Stabilizer	G2
Lamps			
L1	2-3	Pressure Roller Fusing Lamp	I3
L2	2-2	Heating Roller Fusing Lamp	I3
L3	1-11	Exposure Lamp	G3
Heaters			
H1	1-12	Anti-condensation Heater - Scanner (Option)	I2
H2	6-12	Anti-condensation Heater - Tray (Option)	I2
FANs			
FAN1	9-3	Toner Supply Tube Fan	A6
FAN2	9-13	Fusing Fan	A6
FAN3	9-5	Fusing/Paper Exit Fan	B6
FAN4	9-6	Drive Unit Fan	B6
FAN5	9-14	Ventilation Fan - Front	I6
FAN6	9-15	Ventilation Fan - Rear	I6
FAN7	8-10	PSU Fan 1	H1
FAN8	8-8	PSU Fan 2	H1
FAN9	8-4	Controller Fan	E12
Others			
TH01	2-23	Thermostat - Heating Roller	I3
TH02	2-5	Thermostat - Pressure Roller	I3
TH1	2-1	Thermistor - Heating Roller	I4
TH2	2-4	Thermistor - Pressure Roller	I3
HDD	8-2	HDD	E12

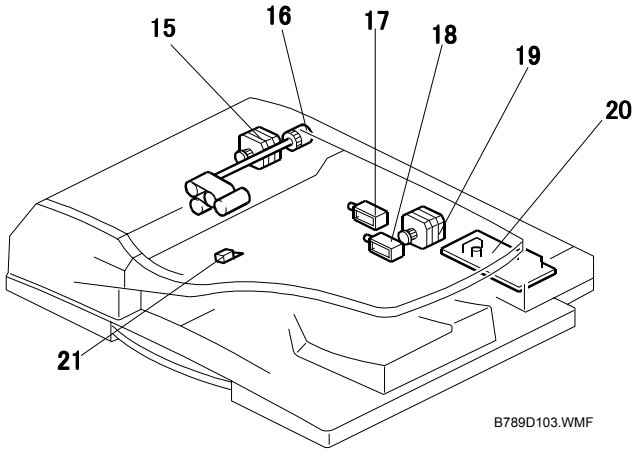
B789 POINT TO POINT DIAGRAM



ELECTRICAL COMPONENT LAYOUT (B789)



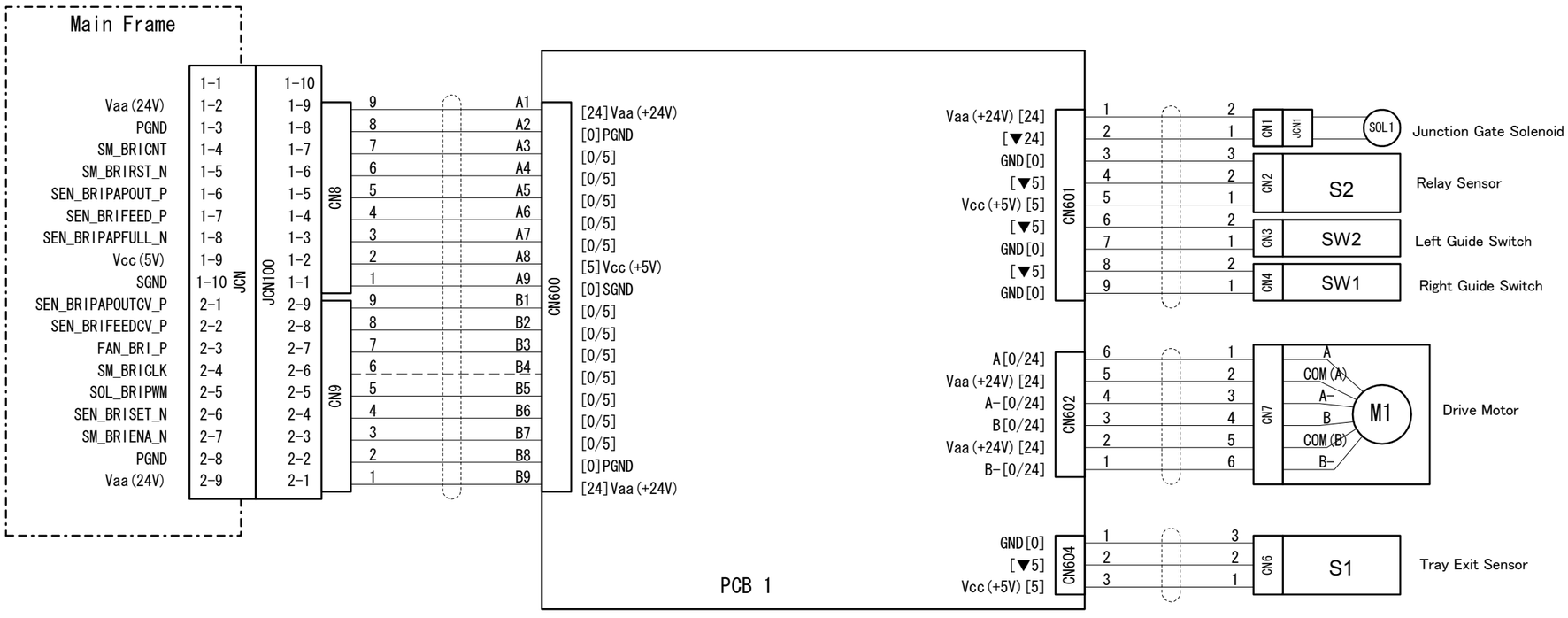
B789D102.WMF



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

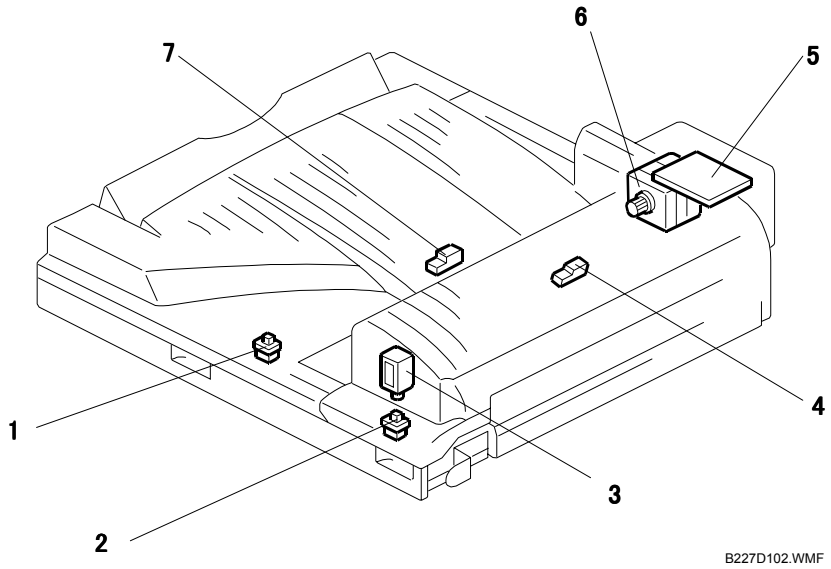
B227 Point to Point Diagram



SYMBOL TABLE

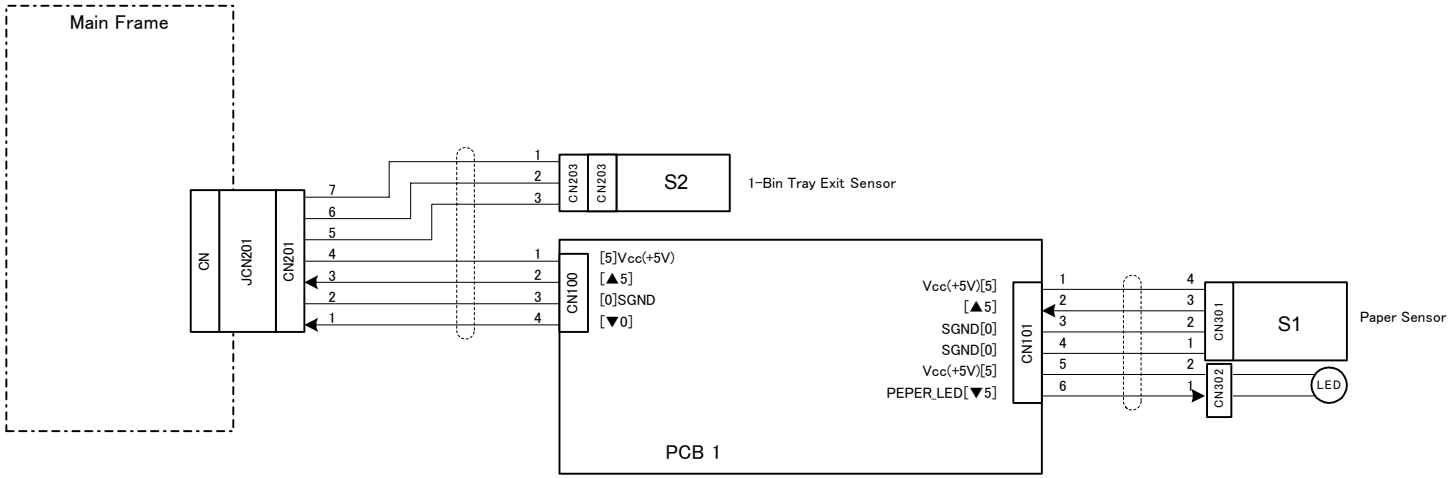
———	DC Line
- - - - - - -	Pulse Signal
———→	Signal Direction
▲	Active High
▼	Active Low
[ ]	Voltage

ELECTRICAL COMPONENT LAYOUT (B227)



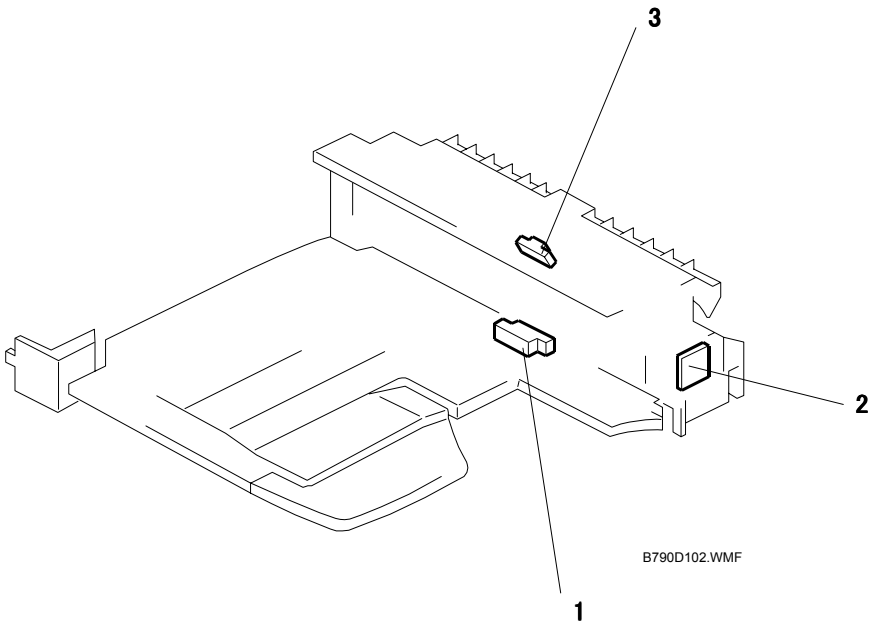
Symbol	Name	Index No.	P-to-P
Motors			
M1	Drive	6	B5
Sensors			
S1	Tray Exit	4	C5
S2	Relay	7	B5
Switches			
SW1	Right Guide	2	B5
SW2	Left Guide	1	B5
PCBs			
PCB1	Bridge Unit Control	5	B3-C4
Magnetic Clutches			
MC1	Junction Gate	3	B5

B790 Point to Point Diagram



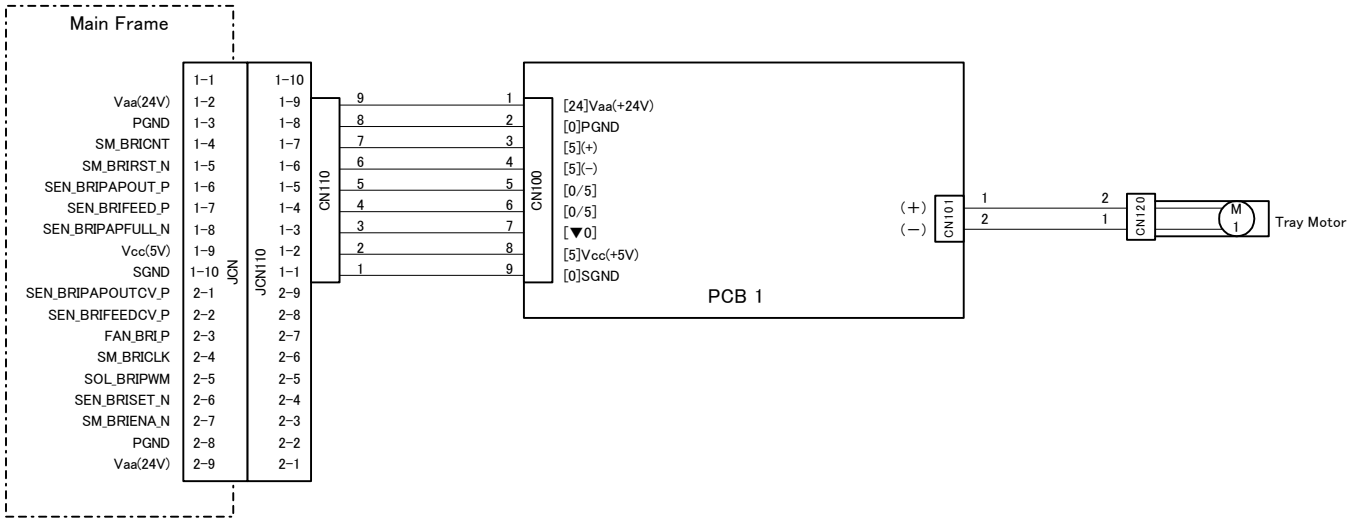
SYMBOL TABLE	
———	DC Line
- - - - - -	Pulse Signal
———→	Signal Direction
▲	Active High
▼	Active Low
[ ]	Voltage

ELECTRICAL COMPONENT LAYOUT (B790)



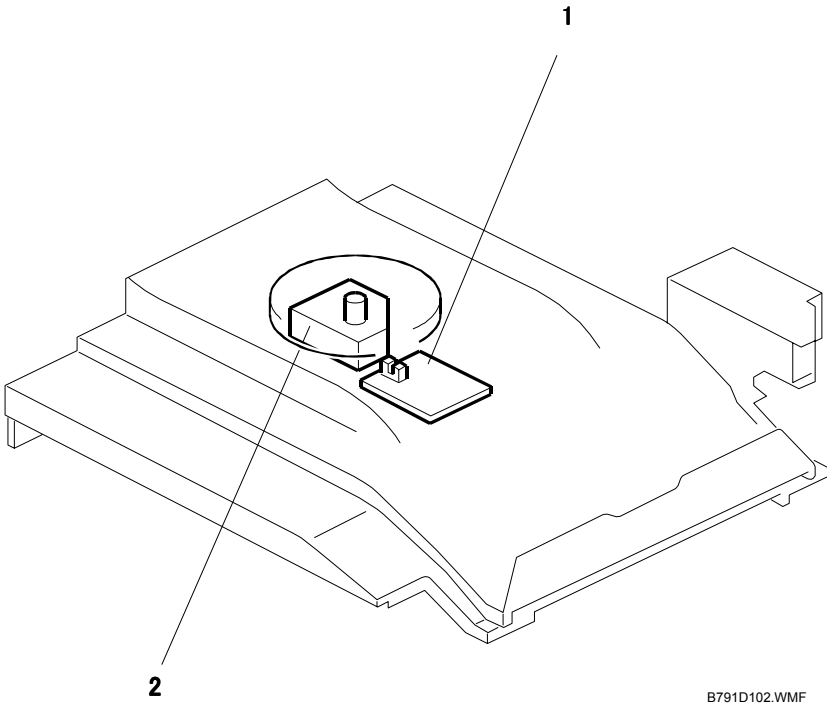
Symbol	Name	Index No.	P-to-P
Sensors			
S1	Paper	1	B5
S2	1-Bin Tray Exit	3	B3
PCBs			
PCB1	LED Control Board	2	B3-4

B791 Point to Point Diagram



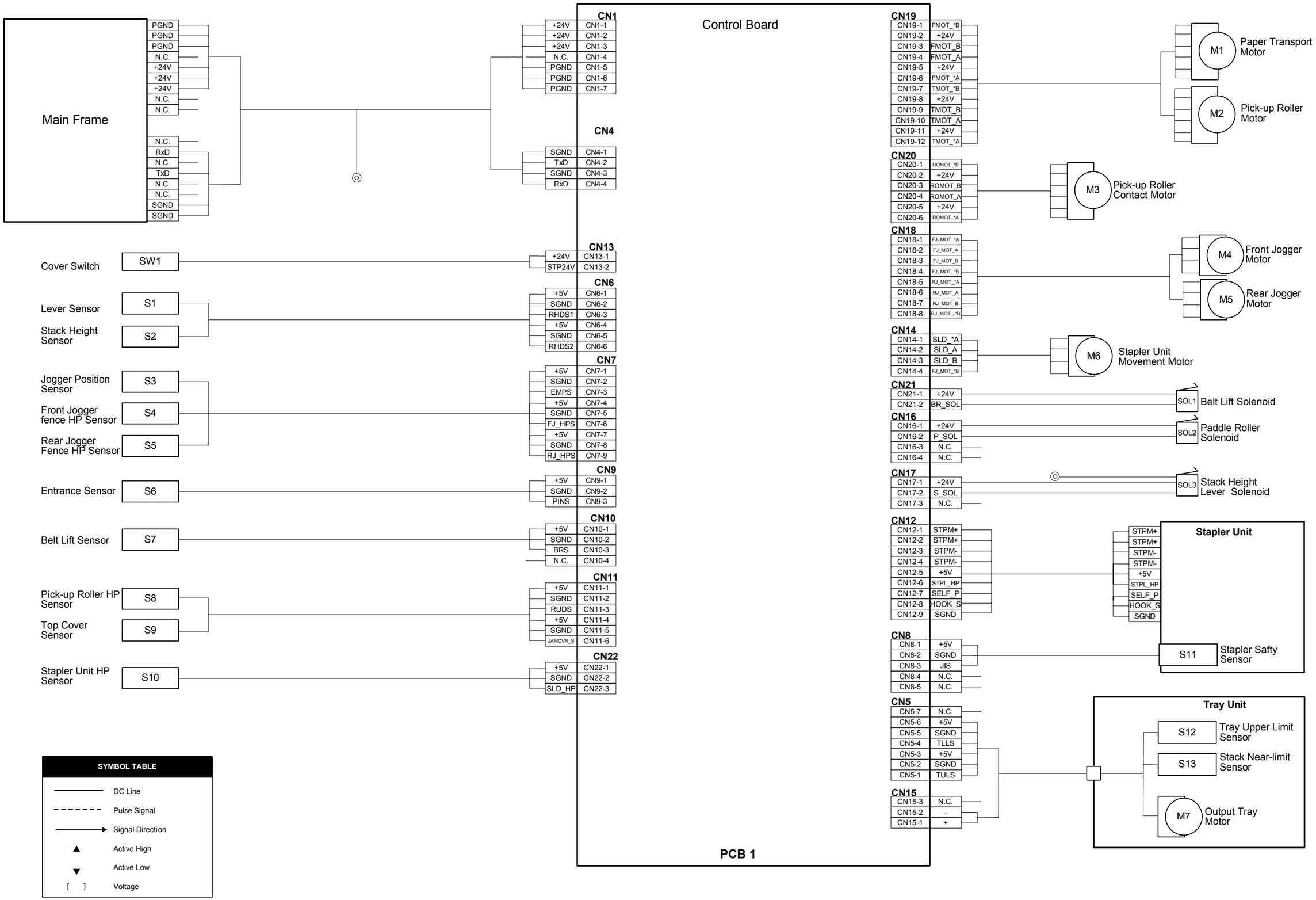
SYMBOL TABLE	
———	DC Line
- - - - - -	Pulse Signal
———→	Signal Direction
▲	Active High
▼	Active Low
[ ]	Voltage

ELECTRICAL COMPONENT LAYOUT (B791)

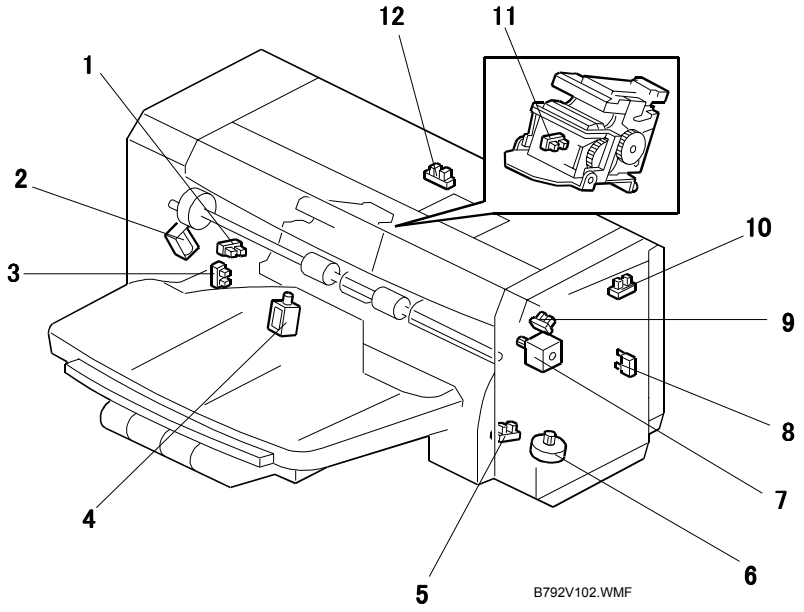


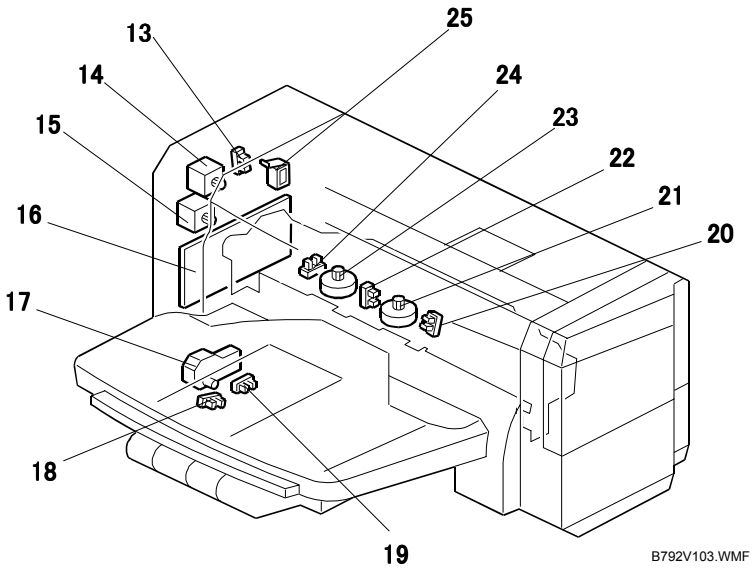
Symbol	Name	Index No.	P-to-P
Motors			
M1	Tray	1	B5
PCBs			
PCB1	Half Turn Sensor Board	2	B3-C4

B792 POINT TO POINT DIAGRAM



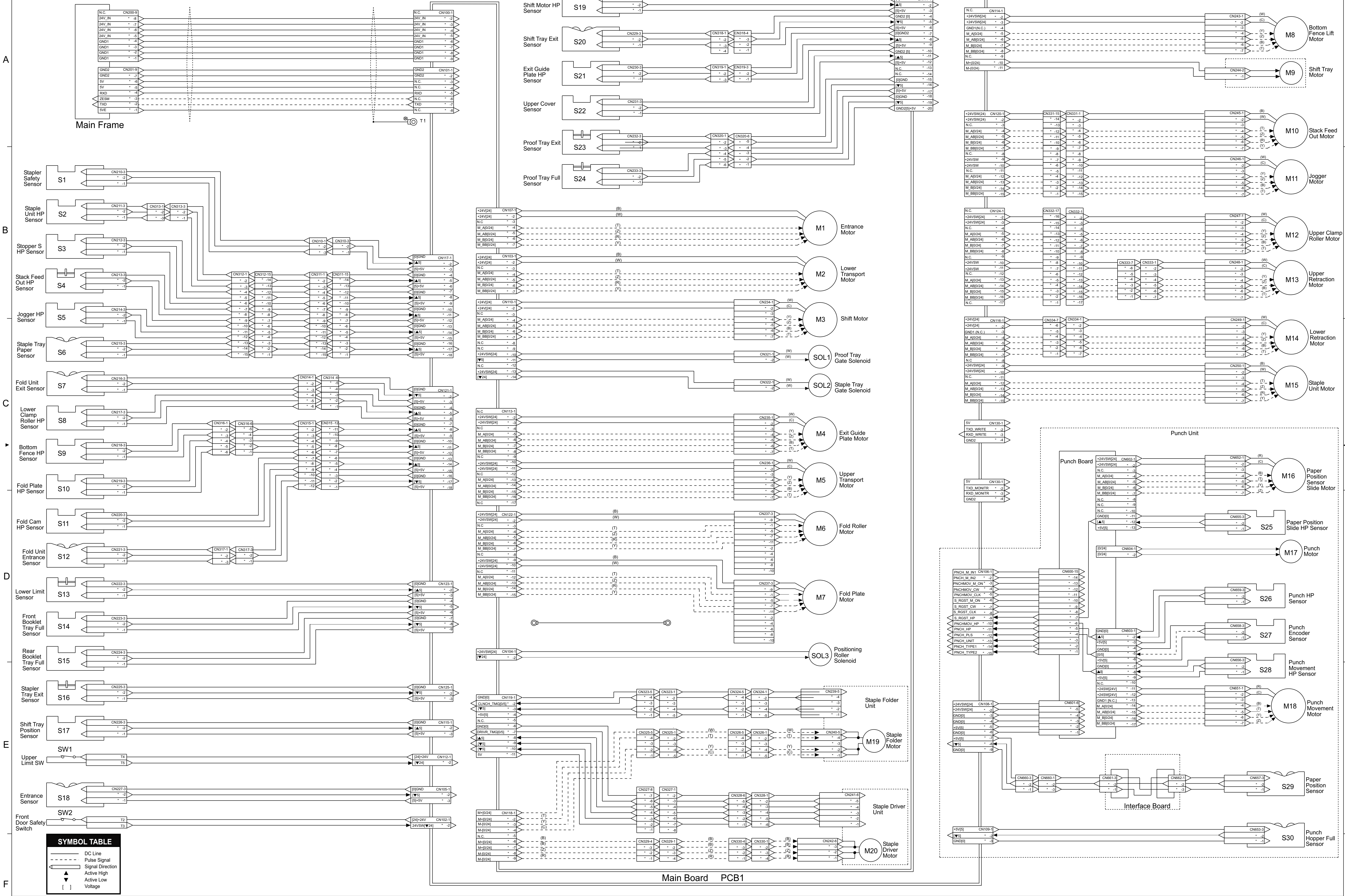
ELECTRICAL COMPONENT LAYOUT (B792)





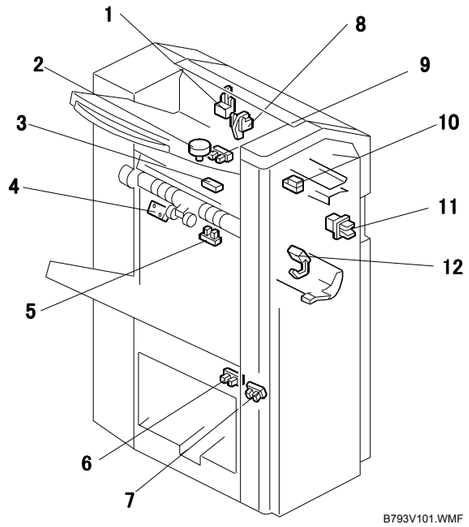
Symbol	Name	Index No.	P-to-P
Motors			
M1	Paper Transport	14	I1
M2	Pick-up Roller	15	I2
M3	Pick-Up Roller Contact	7	H2
M4	Front Jogger	21	I3
M5	Rear Jogger	23	I3
M6	Stapler Unit Movement	6	H3
M7	Output Tray	17	I7
Sensors			
S1	Lever	1	B3
S2	Stack Height	3	B3
S3	Jogger Position	24	B4
S4	Front Jogger Fence HP	20	B4
S5	Rear Jogger Fence HP	22	B4
S6	Entrance	12	B5
S7	Belt Lift	13	B5
S8	Pick-Up Roller HP	9	B5
S9	Top Cover	10	B6
S10	Stapler Unit HP	5	B6
S11	Stapler Safety	11	I5
S12	Tray Upper Limit	19	I6
S13	Stack Near-limit	18	I6
Solenoids			
SOL1	Belt Lift	25	I4
SOL2	Paddle Roller	2	I4
SOL3	Stack Height Lever	4	I4
Switches			
SW1	Cover	8	B3
PCBs			
PCB1	Control	16	E1-G7

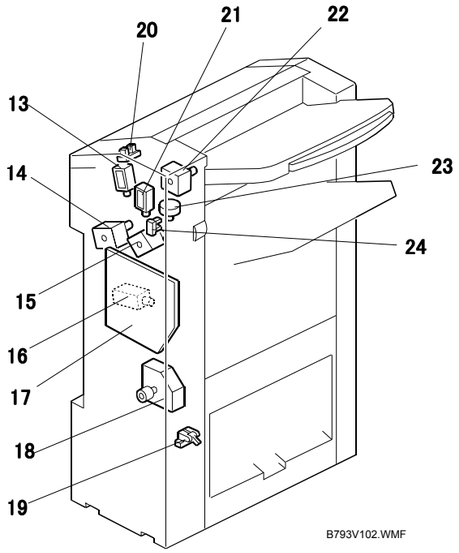
B793 Point to Point Diagram

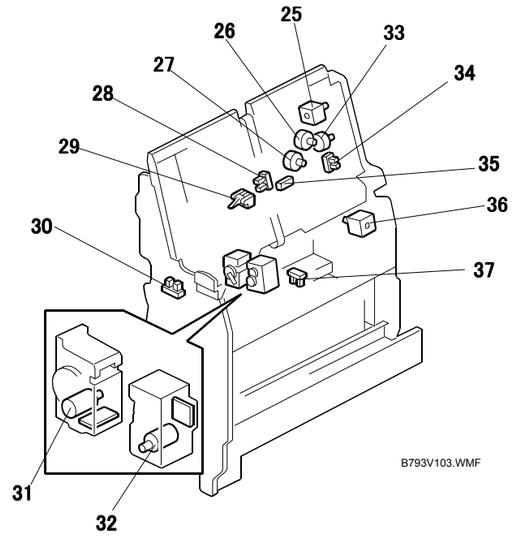


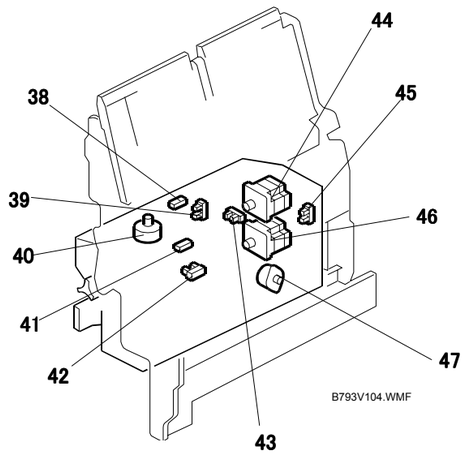
Main Frame
T1
Stapler Safety Sensor S1
Staple Unit HP Sensor S2
Stopper S HP Sensor S3
Stack Feed Out HP Sensor S4
Jogger HP Sensor S5
Staple Tray Paper Sensor S6
Fold Unit Exit Sensor S7
Lower Clamp Roller HP Sensor S8
Bottom Fence HP Sensor S9
Fold Plate HP Sensor S10
Fold Cam HP Sensor S11
Fold Unit Entrance Sensor S12
Lower Limit Sensor S13
Front Booklet Tray Full Sensor S14
Rear Booklet Tray Full Sensor S15
Stapler Tray Exit Sensor S16
Shift Tray Position Sensor S17
Upper Limit SW SW1
Entrance Sensor S18
Front Door Safety Switch SW2
SYMBOL TABLE
DC Line
Pulse Signal
Signal Direction
Active High
Active Low
[ ] Voltage
Shift Motor HP Sensor S19
Shift Tray Exit Sensor S20
Exit Guide Plate HP Sensor S21
Upper Cover Sensor S22
Proof Tray Exit Sensor S23
Proof Tray Full Sensor S24
M1 Entrance Motor
M2 Lower Transport Motor
M3 Shift Motor
SOL1 Proof Tray Gate Solenoid
SOL2 Staple Tray Gate Solenoid
M4 Exit Guide Plate Motor
M5 Upper Transport Motor
M6 Fold Roller Motor
M7 Fold Plate Motor
SOL3 Positioning Roller Solenoid
Staple Folder Unit
M19 Staple Folder Motor
Staple Driver Unit
M20 Staple Driver Motor
Main Board PCB1
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
Punch Unit
Punch Board
M16 Paper Position Sensor Slide Motor
S25 Paper Position Slide HP Sensor
M17 Punch Motor
S26 Punch HP Sensor
S27 Punch Encoder Sensor
S28 Punch Movement HP Sensor
M18 Punch Movement Motor
Interface Board
S29 Paper Position Sensor
S30 Punch Hopper Full Sensor

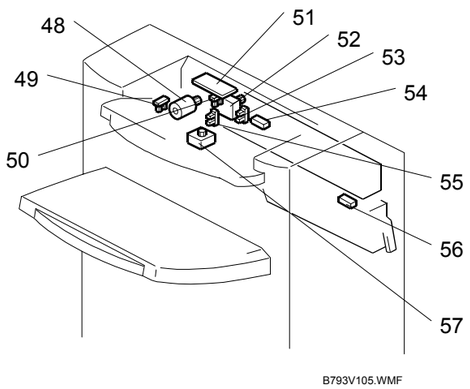
B793 ELECTRICAL COMPONENT LAYOUT







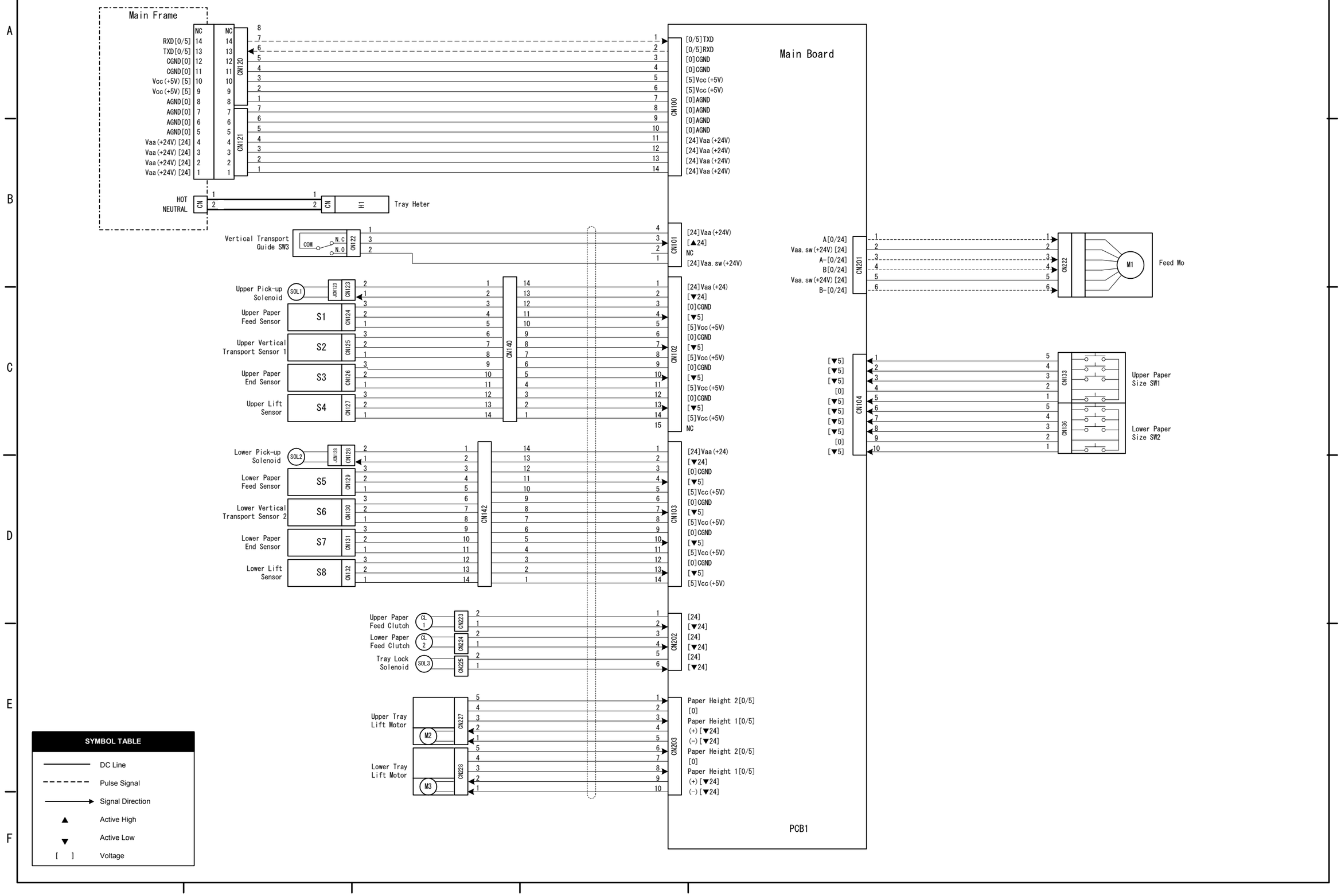




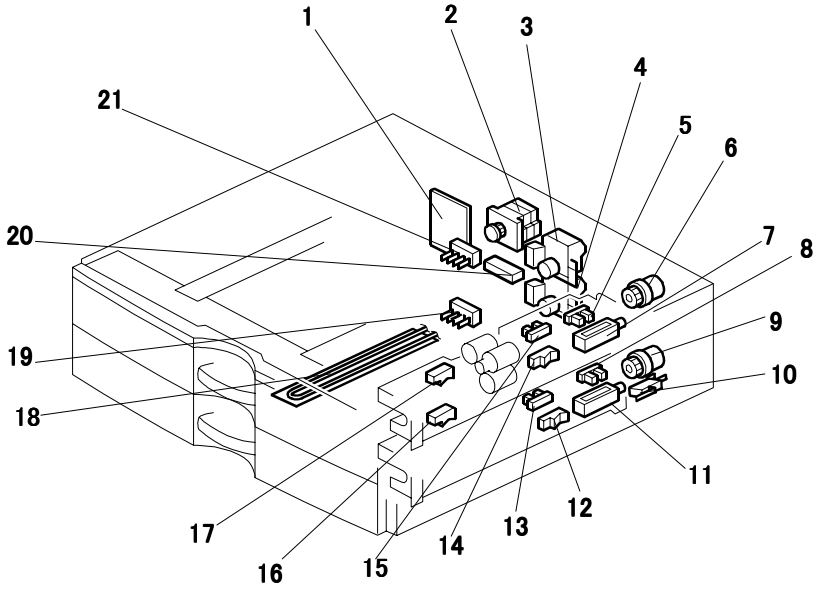
Symbol	Name	Index No.	P-to-P
Motors			
M1	Entrance	15	B6
M2	Lower Transport	14	B6
M3	Shift	23	B6
M4	Exit Guide Plate	2	C6
M5	Upper Transport	22	C6
M6	Fold Roller	44	D6
M7	Fold Plate	46	D7
M8	Bottom Fence Lift	47	A9
M9	Shift Tray	18	A9
M10	Stack Feed Out	25	A9
M11	Jogger	26	B9
M12	Upper Clamp Roller	33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

B800 Point to Point Diagram



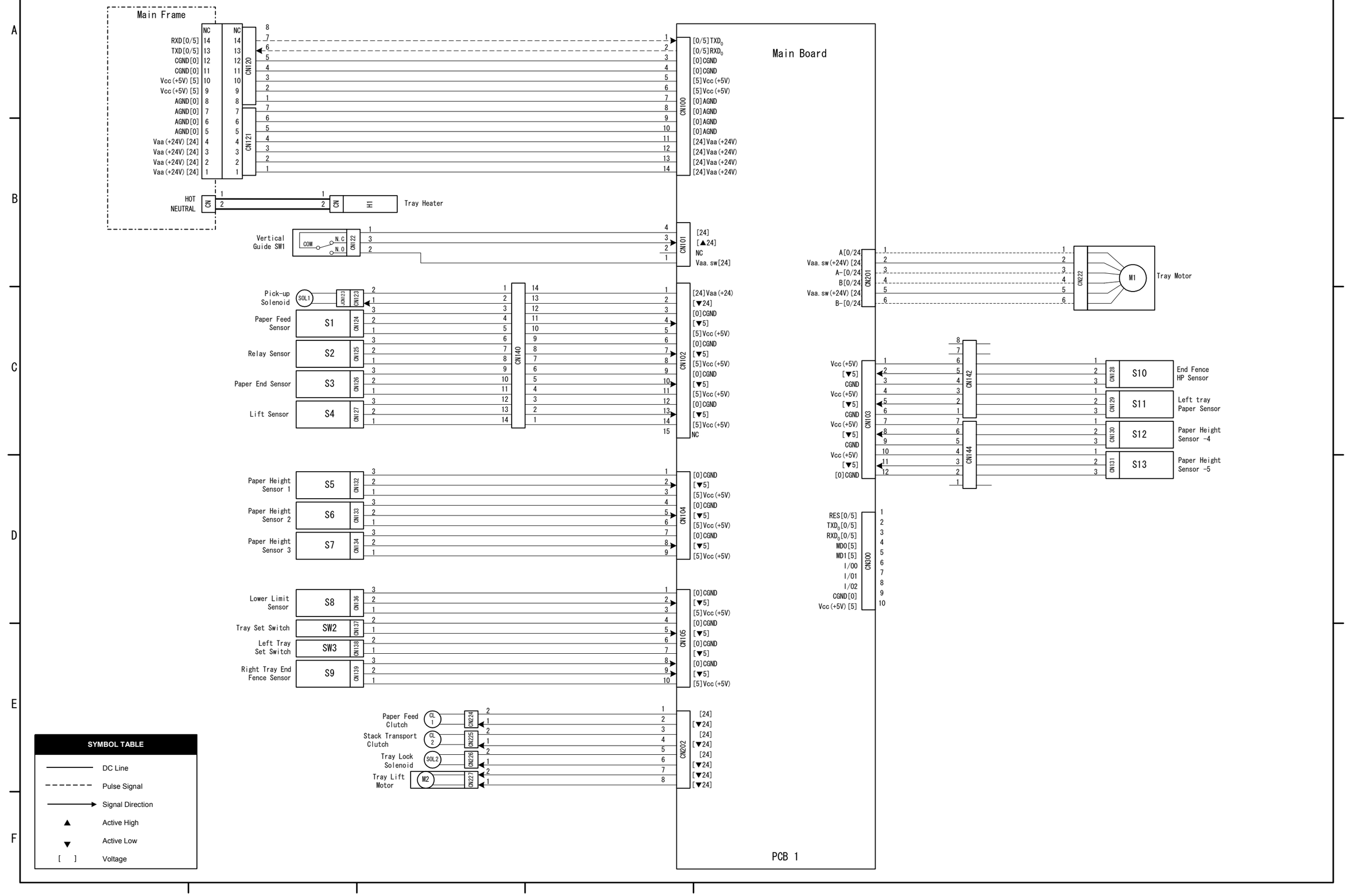
ELECTRICAL COMPONENT LAYOUT (B800)



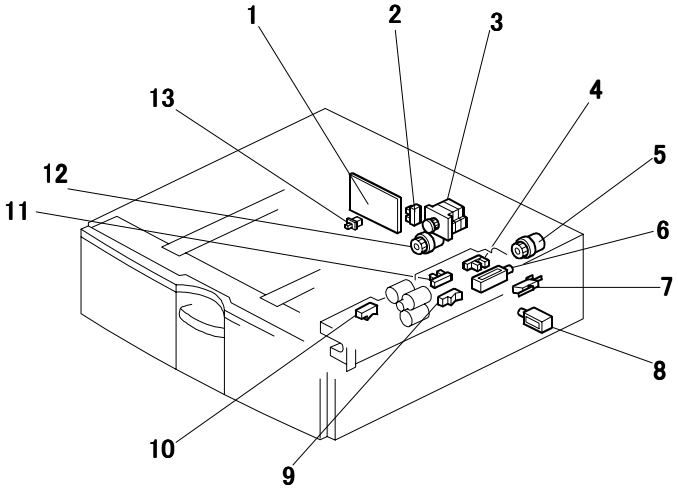
B800D103.WMF

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

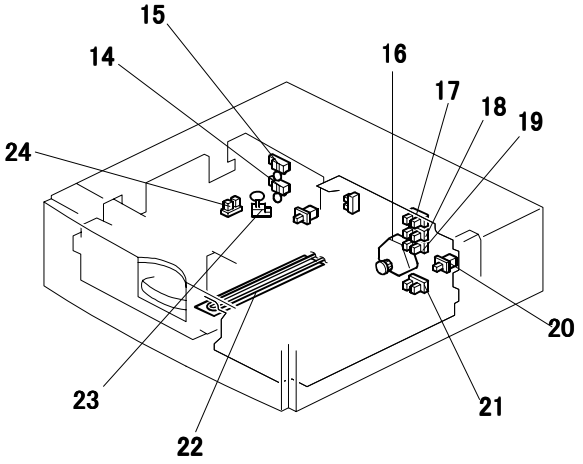
B801 Point to Point Diagram



ELECTRICAL COMPONENT LAYOUT (B801)



B801D102.WMF



B801D103.WMF

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