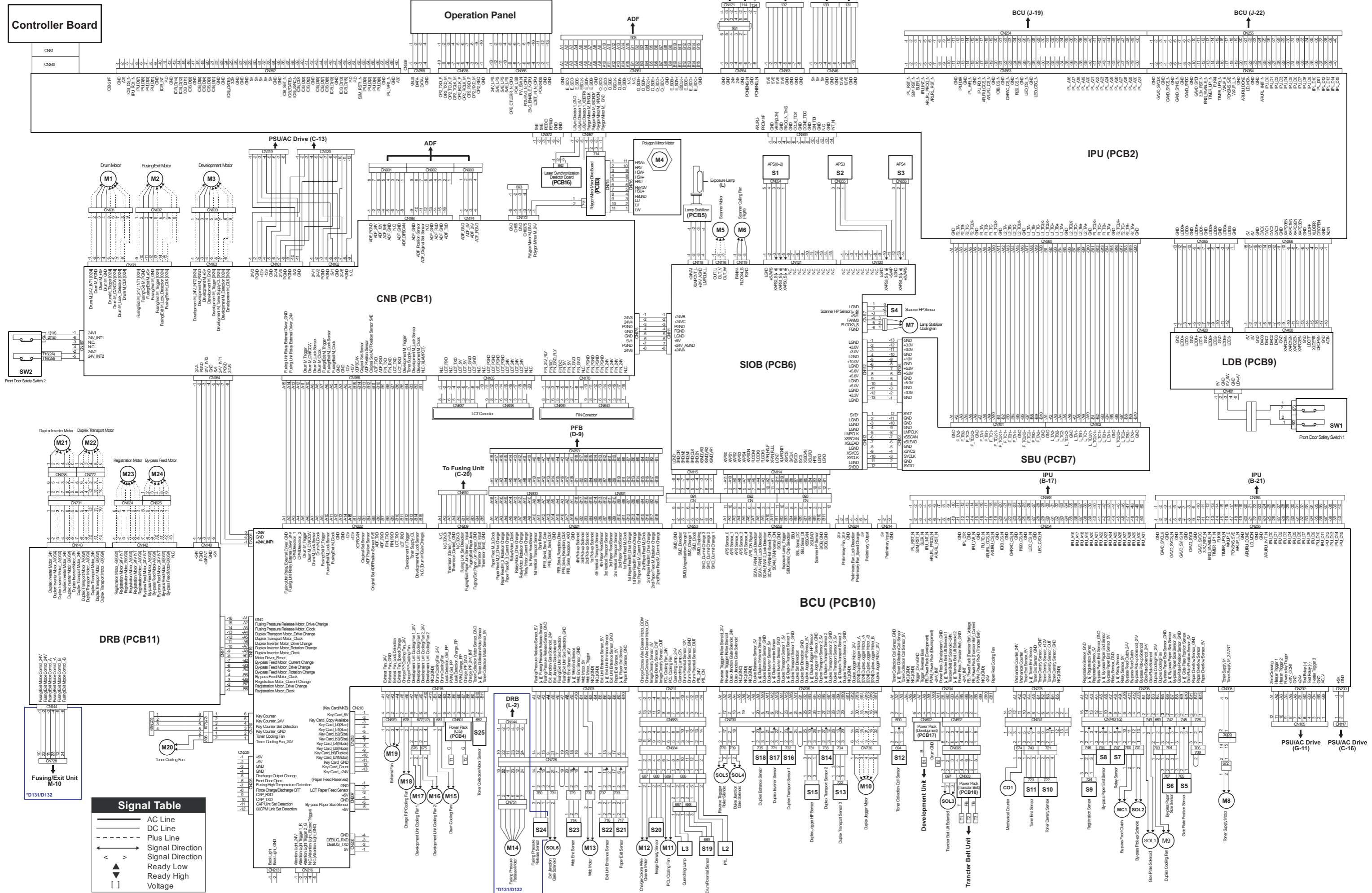


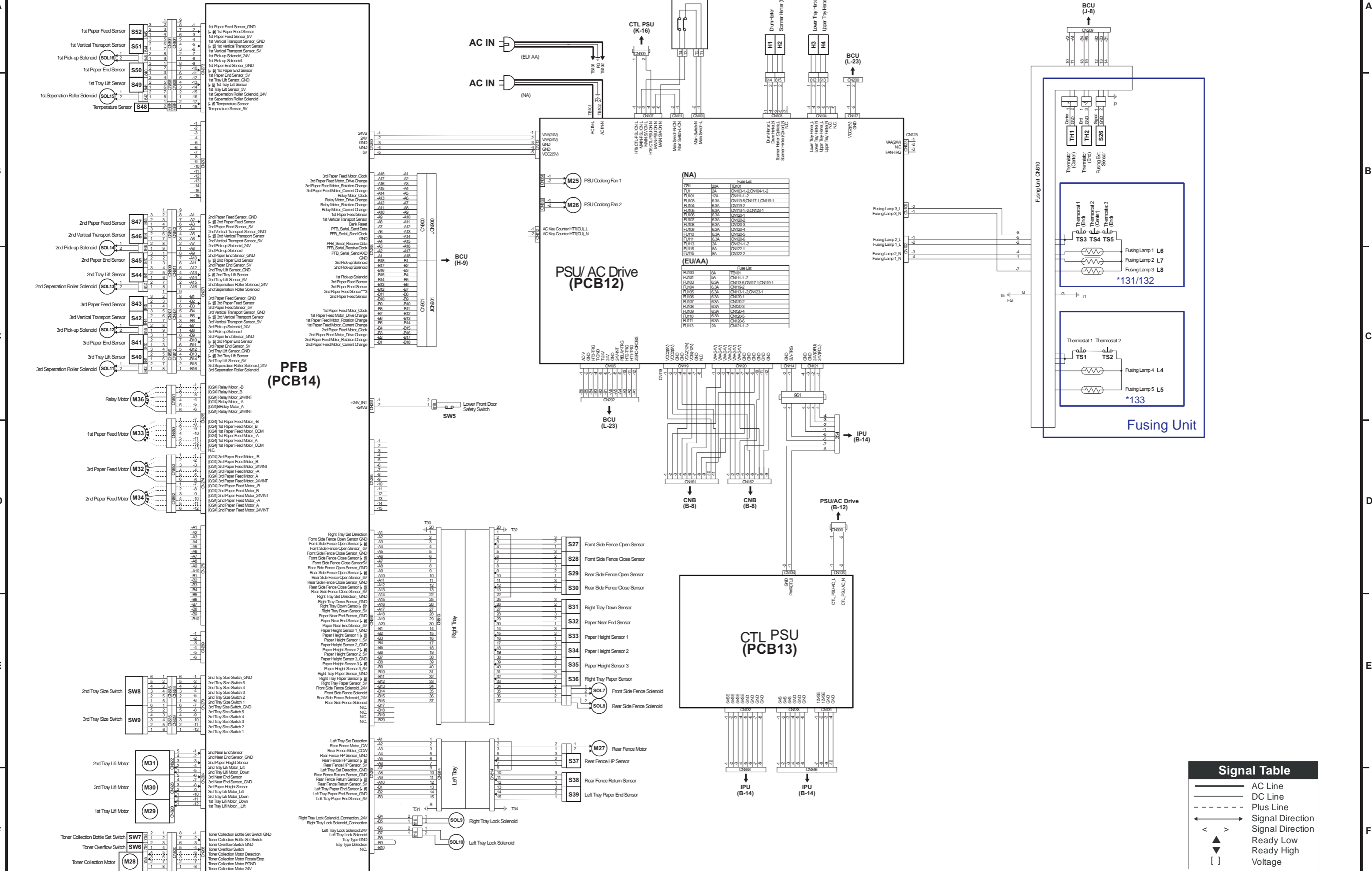
D131/D132/D133 POINT TO POINT DIAGRAM 1/4



Signal Table

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

D131/D132/D133 POINT TO POINT DIAGRAM 2/4



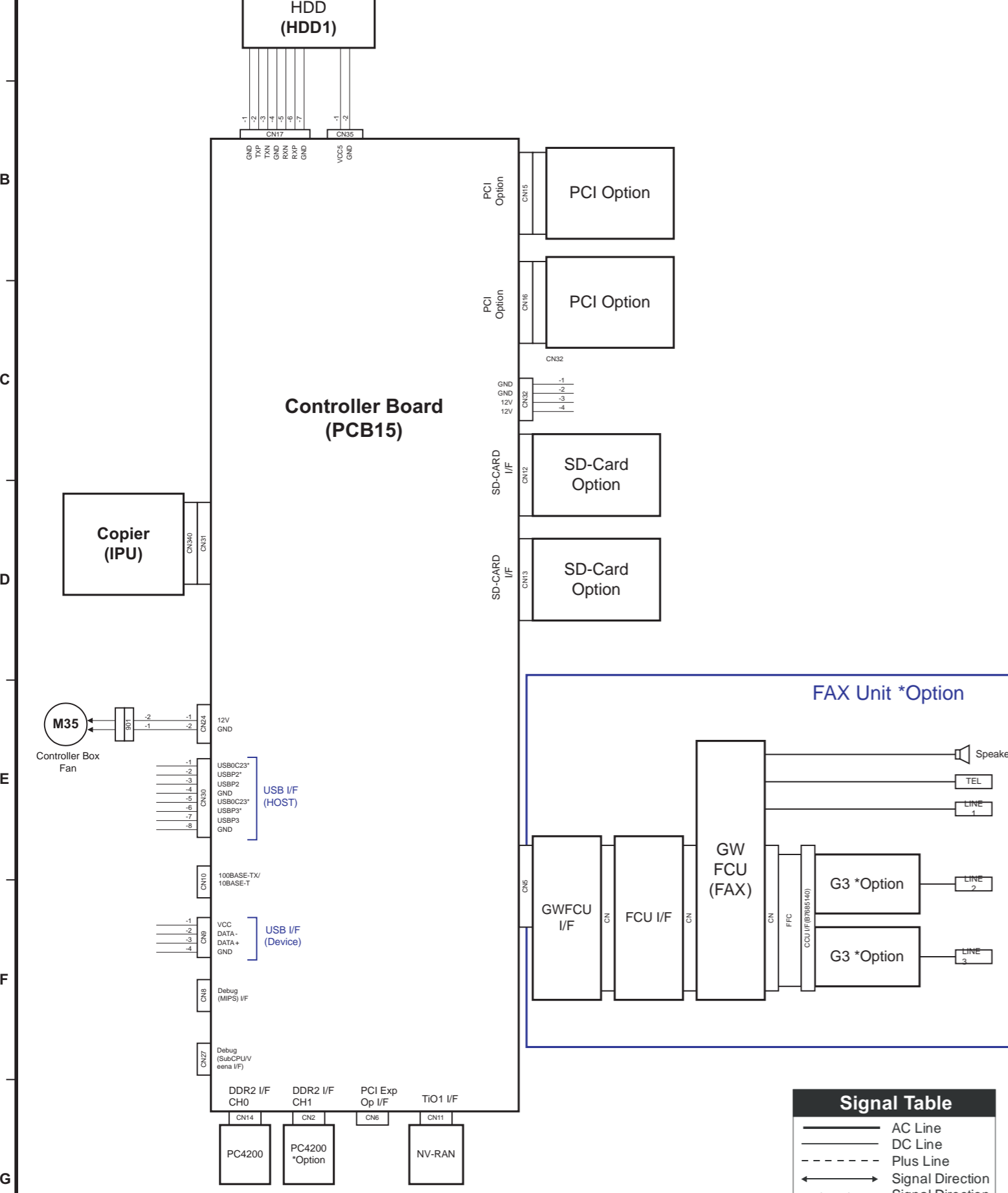
(NA)	
Part	Fuse List
FU1	20A TB01
FU2	2A CN103-1, CN104-1, 2
FU3	12A CN111-1, 2
FU4	6.3A CN115, CN117, 1, CN119-1
FU5	6.3A CN119-2
FU6	6.3A CN131-1, 2, CN132-1
FU7	6.3A CN132-2
FU8	6.3A CN133
FU9	6.3A CN134
FU10	6.3A CN135
FU11	6.3A CN136
FU12	2A CN151-1, 2
FU13	6A CN152-1
FU14	6A CN152-2

(EU/AA)	
Part	Fuse List
FU15	6A TB01
FU16	6A CN111-1, 2
FU17	6.3A CN115, CN117, 1, CN119-1
FU18	6.3A CN119-2
FU19	6.3A CN131-1, 2, CN132-1
FU20	6.3A CN132-2
FU21	6.3A CN133
FU22	6.3A CN134
FU23	6.3A CN135
FU24	6.3A CN136
FU25	2A CN151-1, 2
FU26	6A CN152-1

Signal Table	
—	AC Line
—	DC Line
- - - - -	Plus Line
→	Signal Direction
<	Signal Direction
▲	Ready Low
▼	Ready High
[]	Voltage

D131/D132/D133 POINT TO POINT DIAGRAM 3/4

A
B
C
D
E
F
G



Signal Table

—	AC Line
—	DC Line
---	Plus Line
→	Signal Direction
←	Signal Direction
▲	Ready Low
▼	Ready High
[]	Voltage

CN2 DDR-DIMM I/F

1	VTTREF	26	DM1	51	DQS2	76	DQ(31)	101	MA(1)	126	DQ(37)	151
2	GND	27	GND	52	DM2	77	GND	102	MA(0)	127	GND	152
3	GND	28	GND	53	GND	78	GND	103	VDDQ	128	GND	153
4	DQ(4)	29	DQS1*	54	GND	79	CKE0	104	VDDQ	129	DQS4*	154
5	DQ(0)	30	CK0	55	DQ(18)	80	CKE1	105	MA(10)	130	DM4	155
6	DQ(5)	31	DQS1	56	DQ(22)	81	VDDQ	106	BS1	131	DQS4	156
7	DQ(1)	32	CK0*	57	DQ(19)	82	VDDQ	107	BS0	132	GND	157
8	GND	33	GND	58	DQ(23)	83	N.C.	108	RAS*	133	GND	158
9	GND	34	GND	59	GND	84	N.C.	109	WE*	134	DQ(38)	159
10	DM0	35	DQ(10)	60	GND	85	BS2	110	CS0*	135	DQ(34)	160
11	DQS0*	36	DQ(14)	61	DQ(24)	86	N.C.	111	VDDQ	136	DQ(39)	161
12	GND	37	DQ(11)	62	DQ(28)	87	VDDQ	112	VDDQ	137	DQ(35)	162
13	DQS0	38	DQ(15)	63	DQ(25)	88	VDDQ	113	CAS*	138	GND	163
14	DQ(6)	39	GND	64	DQ(29)	89	MA(12)	114	ODT0	139	GND	164
15	GND	40	GND	65	GND	90	MA(11)	115	CS1*	140	DQ(44)	165
16	DQ(7)	41	GND	66	GND	91	MA(9)	116	MA(13)	141	DQ(40)	166
17	DQ(2)	42	GND	67	DM3	92	MA(7)	117	VDDQ	142	DQ(45)	167
18	GND	43	DQ(16)	68	DQS3*	93	MA(8)	118	VDDQ	143	DQ(41)	168
19	DQ(3)	44	DQ(20)	69	N.C.	94	MA(6)	119	ODT1	144	GND	169
20	DQ(12)	45	DQ(17)	70	DQS3	95	VDDQ	120	N.C.	145	GND	170
21	GND	46	DQ(21)	71	GND	96	VDDQ	121	GND	146	DQS5*	171
22	DQ(13)	47	GND	72	GND	97	MA(5)	122	GND	147	DM5	172
23	DQ(8)	48	GND	73	DQ(26)	98	MA(4)	123	DQ(32)	148	DQS5	173
24	GND	49	DQS2*	74	DQ(30)	99	MA(3)	124	DQ(36)	149	GND	174
25	DQ(9)	50	N.C.	75	DQ(27)	100	MA(2)	125	DQ(33)	150	GND	175

CN14 DDR-DIMM I/F

1	VTTREF	26	DM1	51	DQS2	76	DQ(31)	101	MA(1)	126	DQ(37)	151
2	GND	27	GND	52	DM2	77	GND	102	MA(0)	127	GND	152
3	GND	28	GND	53	GND	78	GND	103	VDDQ	128	GND	153
4	DQ(4)	29	DQS1*	54	GND	79	CKE0	104	VDDQ	129	DQS4*	154
5	DQ(0)	30	CK0	55	DQ(18)	80	CKE1	105	MA(10)	130	DM4	155
6	DQ(5)	31	DQS1	56	DQ(22)	81	VDDQ	106	BS1	131	DQS4	156
7	DQ(1)	32	CK0*	57	DQ(19)	82	VDDQ	107	BS0	132	GND	157
8	GND	33	GND	58	DQ(23)	83	N.C.	108	RAS*	133	GND	158
9	GND	34	GND	59	GND	84	N.C.	109	WE*	134	DQ(38)	159
10	DM0	35	DQ(10)	60	GND	85	BS2	110	CS0*	135	DQ(34)	160
11	DQS0*	36	DQ(14)	61	DQ(24)	86	N.C.	111	VDDQ	136	DQ(39)	161
12	GND	37	DQ(11)	62	DQ(28)	87	VDDQ	112	VDDQ	137	DQ(35)	162
13	DQS0	38	DQ(15)	63	DQ(25)	88	VDDQ	113	CAS*	138	GND	163
14	DQ(6)	39	GND	64	DQ(29)	89	MA(12)	114	ODT0	139	GND	164
15	GND	40	GND	65	GND	90	MA(11)	115	CS1*	140	DQ(44)	165
16	DQ(7)	41	GND	66	GND	91	MA(9)	116	MA(13)	141	DQ(40)	166
17	DQ(2)	42	GND	67	DM3	92	MA(7)	117	VDDQ	142	DQ(45)	167
18	GND	43	DQ(16)	68	DQS3*	93	MA(8)	118	VDDQ	143	DQ(41)	168
19	DQ(3)	44	DQ(20)	69	N.C.	94	MA(6)	119	ODT1	144	GND	169
20	DQ(12)	45	DQ(17)	70	DQS3	95	VDDQ	120	N.C.	145	GND	170
21	GND	46	DQ(21)	71	GND	96	VDDQ	121	GND	146	DQS5*	171
22	DQ(13)	47	GND	72	GND	97	MA(5)	122	GND	147	DM5	172
23	DQ(8)	48	GND	73	DQ(26)	98	MA(4)	123	DQ(32)	148	DQS5	173
24	GND	49	DQS2*	74	DQ(30)	99	MA(3)	124	DQ(36)	149	GND	174
25	DQ(9)	50	N.C.	75	DQ(27)	100	MA(2)	125	DQ(33)	150	GND	175

CN5

1	SVE	26	CBE2	51	AD58	76	SD_CMD_EN	101	SVE	126	CBE3	151
2	SVE	27	CBE0	52	AD56	77	GND	102	SVE	127	CBE1	152
3	SVE	28	PCIRST	53	GND	78	SDCLK	103	SVE	128	PME	153
4	SVE	29	DEVSEL	54	AD54	79	SDCD	104	SVE	129	TRDY	154
5	SVE	30	IRDY	55	AD52	80	SD_CMD	105	SVE	130	FRAME	155
6	SVE	31	PERR	56	AD50	81	SDWP	106	SVE	131	STOP	156
7	SVE	32	PAR	57	AD48	82	GND	107	SVE	132	SERR	157
8	SV	33	GND	58	AD46	83	OP4_SCL/OP0_CLK	108	SVE	133	GND	158
9	INTD	34	AD14	59	AD46	84	OP4_CS/OP0_TXD	109	INTC	134	AD15	159
10	INTA	35	AD12	60	AD44	85	OP4_SDA/OP0_RXD	110	INTB	135	AD13	160
11	REQ6	36	AD10	61	AD42	86	OP4_IRQ	111	REQ3	136	AD11	161
12	GNT6	37	AD8	62	AD40	87	OP4_ONLINE_LED_ON	112	GNT3	137	AD9	162
13	REQ1	38	GND	63	GND	88	TIMER_UP	113	REQ2	138	GND	163
14	GNT1	39	AD6	64	AD38	89	ENG_ENABLE	114	GNT2	139	AD7	164
15	GND	40	AD4	65	AD36	90	PONENG	115	GND	140	AD5	165
16	AD30	41	AD2	66	AD34	91	PONPC1	116	AD31	141	AD3	166
17	AD28	42	AD0	67	AD32	92	PSAVE_FCU	117	AD29	142	AD1	167
18	AD26	43	GND	68	GND	93	GND	118	AD27	143	GND	168
19	AD24	44	CBE6	69	PETXD	94	PC1CKE1	119	AD25	144	CBE7	169
20	GND	45	CBE4	70	SCL/ED_PONSENS	95	GND	120	GND	145	CBE5	170
21	AD22	46	BAREO	71	OP2_TCLK/OP0_CLK	96	PC1CKE4	121	AD23	146	BAAACK	171
22	AD20	47	B4PAR	72	OP2_TXD/OP0_TXD	97	GND	122	AD21	147	INTE	172
23	AD18	48	GND	73	OP2_REQ	98	12V	123	AD19	148	GND	173
24	AD16	49	AD22	74	RSVD	99	12V	124	AD17	149	AD23	174
25	GND	50	AD20	75	SD_DT_EN	100	12V	125	GND	150	AD21	175

CN15 PCI OPTION UPPER

1	GND	26	CBE3*	51	GND	76	reserved
2	INTC*	27	GND	52	CBE1*	77	3.3VEP
3	GND	28	DSSEL3 PCI	53	AD15	78	reserved
4	reserved	29	AD23	54	AD14	79	3.3VEP
5	GND	30	AD22	55	GND	80	reserved
6	CLKRUN	31	GND	56	AD13	81	3.3VEP
7	GND	32	AD21	57	AD12	82	reserved
8	PCIRST OPT*	33	AD20	58	AD11	83	5VEP
9	GND	34	AD19	59	GND	84	reserved
10	PCLK OPT1	35	GND	60	AD10	85	5VEP
11	GND	36	AD18	61	AD9	86	reserved
12	GNT1*	37	AD17	62	AD8	87	3.3V WSL
13	GND	38	AD16	63	GND	88	+24V
14	REQ1*	39	GND	64	CBE0*		
15	GND	40	CBE2*	65	AD7		
16	PME*	41	FRAME*	66	AD6		
17	AD(31)	42	IRDY*	67	AD5		
18	AD(30)	43	GND	68	AD4		
19	AD(29)	44	TRDY*	69	AD3		
20	AD(28)	45	DEVSEL*	70	AD2		
21	AD(27)	46	STOP*	71	3.3VEP		
22	AD(26)	47	GND	72	AD1		
23	GND	48	PERR*	73	3.3VEP		
24	AD(25)	49	SERR*	74	AD0		
25	AD(24)	50	PAR	75	3.3VEP		

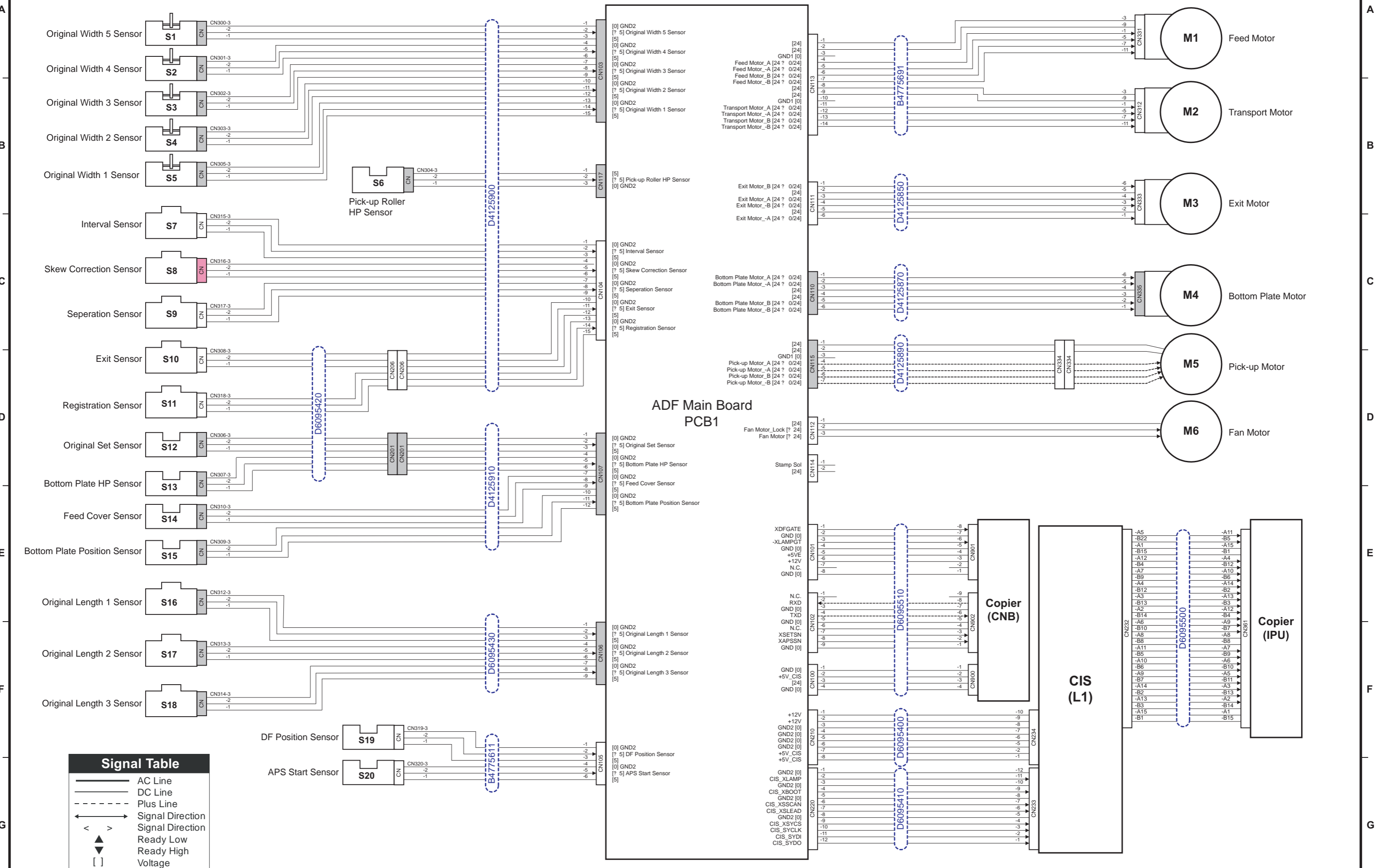
CN16 PCI OPTION LOWER

1	GND	26	CBE3*	51	GND	76	reserved
2	INTD*	27	GND	52	CBE1*	77	3.3VEP
3	GND	28	DSSEL3 PCI	53	AD15	78	reserved
4	reserved	29	AD23	54	AD14	79	3.3VEP
5	GND	30	AD22	55	GND	80	reserved
6	CLKRUN	31	GND	56	AD13	81	3.3VEP
7	GND	32	AD21	57	AD12	82	reserved
8	PCIRST OPT*	33	AD20	58	AD11	83	5VEP
9	GND	34	AD19	59	GND	84	reserved
10	PCLK OPT2	35	GND	60	AD10	85	5VEP
11	GND	36	AD18	61	AD9	86	reserved
12	GNT2*	37	AD17	62	AD8	87	3.3V WSL
13	GND	38	AD16	63	GND	88	+24V
14	REQ2*	39	GND	64	CBE0*		
15	GND	40	CBE2*	65	AD7		
16	PME*	41	FRAME*	66	AD6		
17	AD(31)	42	IRDY*	67	AD5		
18	AD(30)	43	GND	68	AD4		
19	AD(29)	44	TRDY*	69	AD3		
20	AD(28)	45	DEVSEL*	70	AD2		
21	AD(27)	46	STOP*	71	3.3VEP		
22	AD(26)	47	GND	72	AD1		
23	GND	48	PERR*	73	3.3VEP		
24	AD(25)	49	SERR*	74	AD0		
25	AD(24)	50	PAR	75	3.3VEP		

CN31

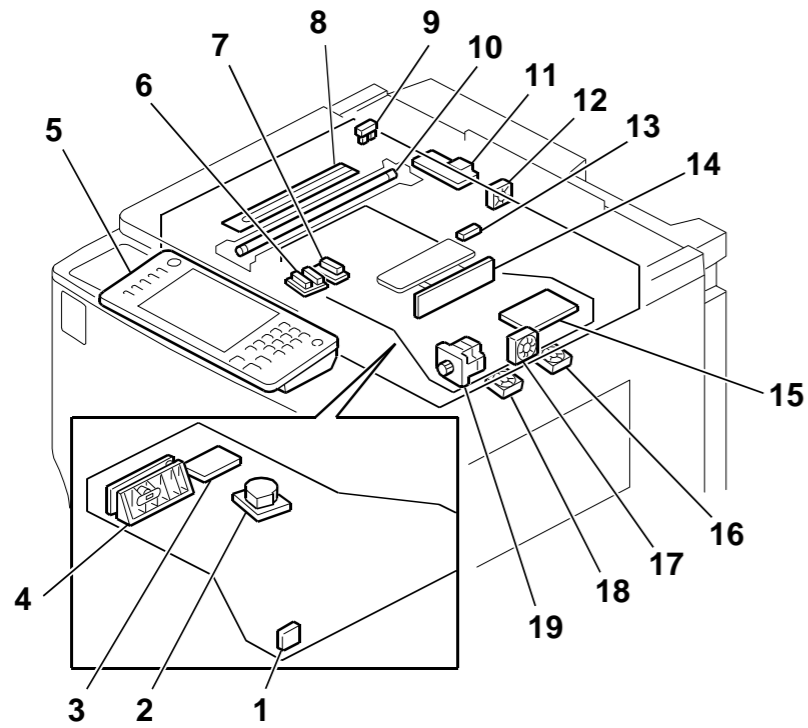
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2	N.C.	27	PETr2	52	GND	77	GND	102	+5VE IN	127	OP2_TCLK/OP0_TCLK
3	GND	28	GND	53	PONSENS*	78	N.C.	103	+5VE IN	128	OP2_TXD/OP0_TXD
4	GND	29	PERn2	54	ENGDRDY1*	79	+5VE IN	104	+5VE IN	129	OP2_REQ
5	RSVD	30	PERn2	55	GND	80	+5VE IN	105	+5VE IN	130	OP2_RCLK
6	WAKE*	31	GND	56	PW_SW*	81	+5VE IN	106	+5VE IN	131	OP2_RXD/OP0_RXD
7	GND	32	PETr3	57	WKPUP*	82	+5VE IN	107	N.C.	132	GND
8	REFCLK1+	33	PETr3	58	WKPUP E	83	+5VE IN	108	GND	133	OP4_CLK/OP0_CLK
9	REFCLK1-										

ADF (D131/D132/D133) POINT TO POINT DIAGRAM 4/4

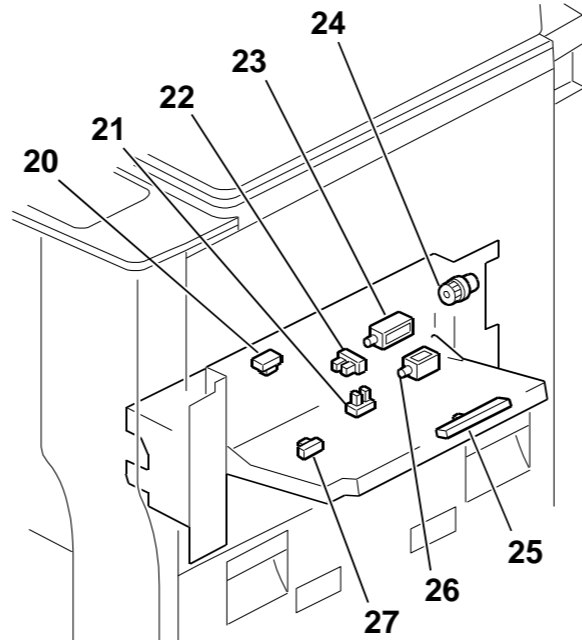


Signal Table	
	AC Line
	DC Line
	Plus Line
	Signal Direction
	Signal Direction
	Ready Low
	Ready High
	Voltage

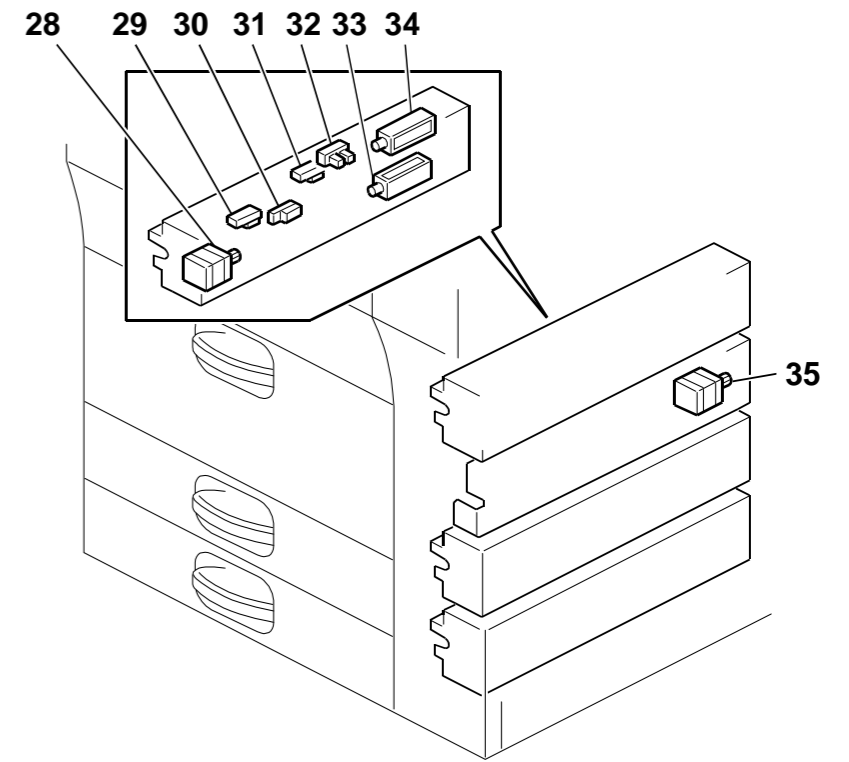
D131/D132/D133 ELECTRICAL COMPONENT LAYOUT (1/4)



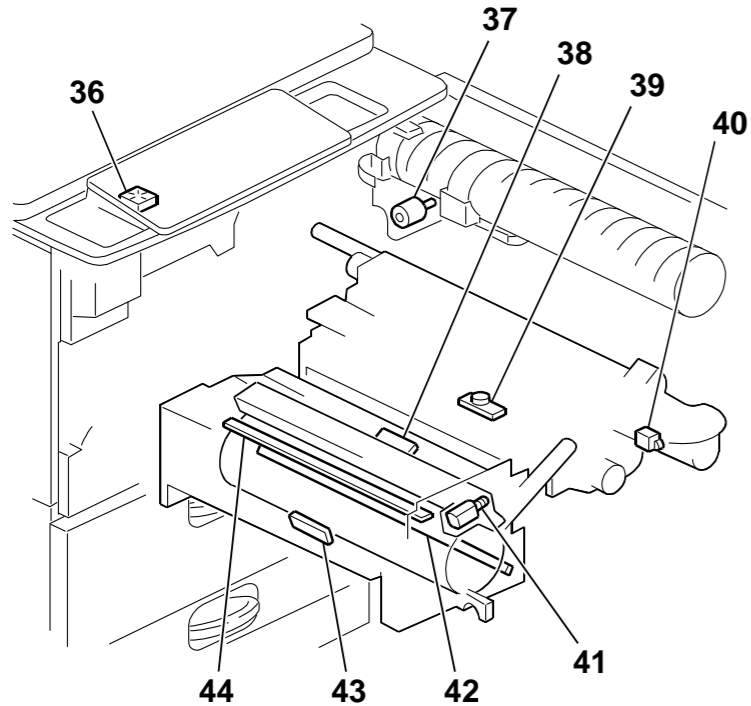
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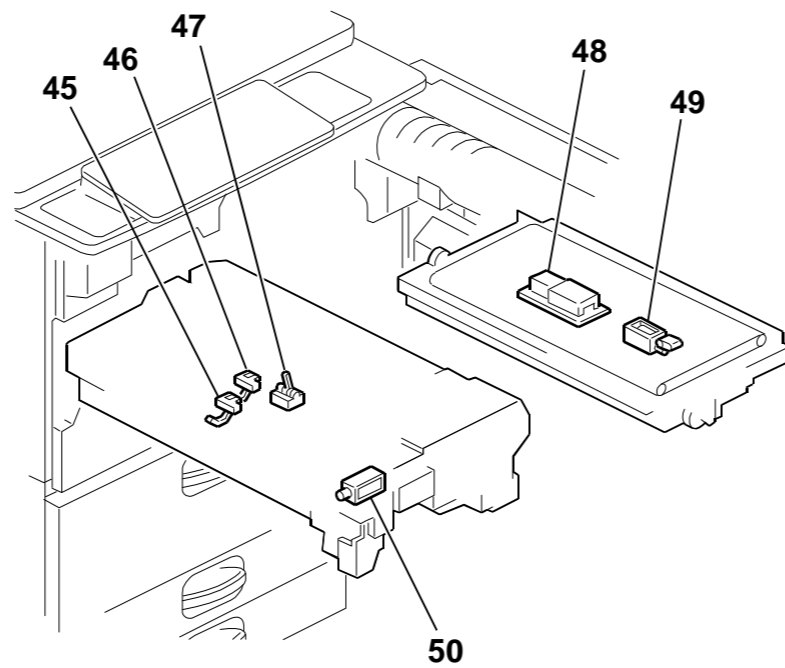
D1310912.wmf



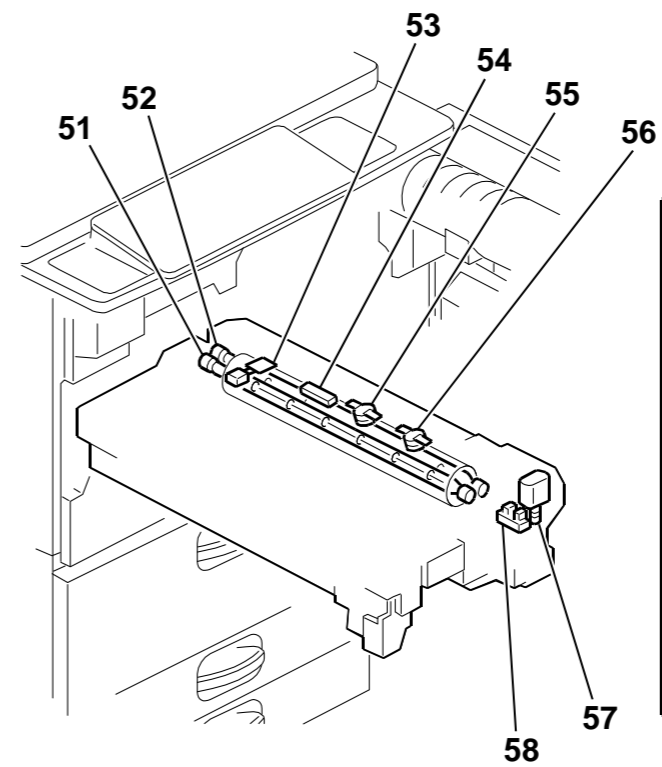
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D1310901.wmf

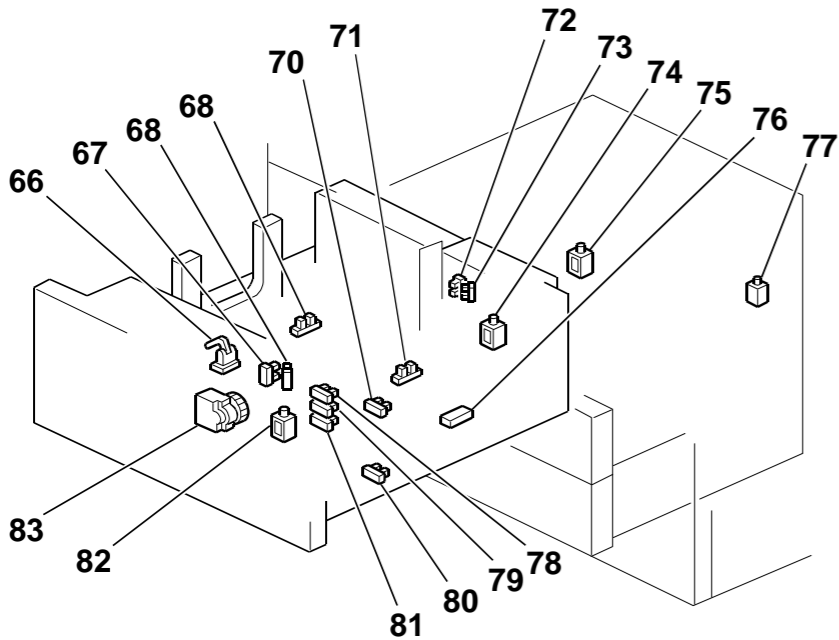


D1310910.wmf

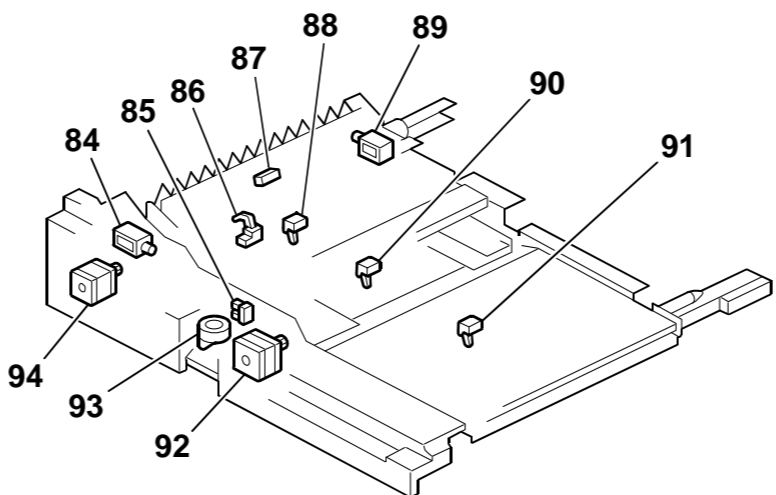


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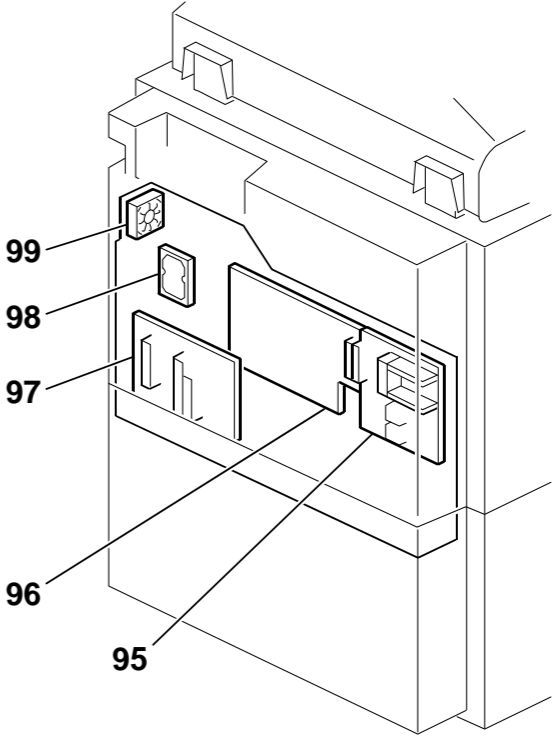
D131/D132/D133 ELECTRICAL COMPONENT LAYOUT (2/4)



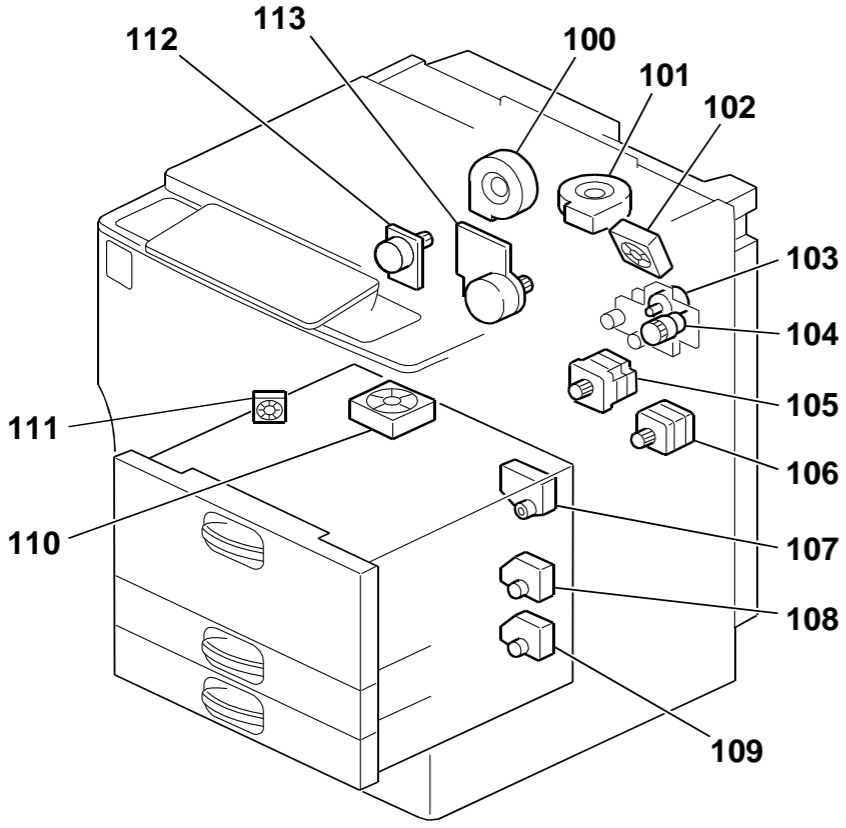
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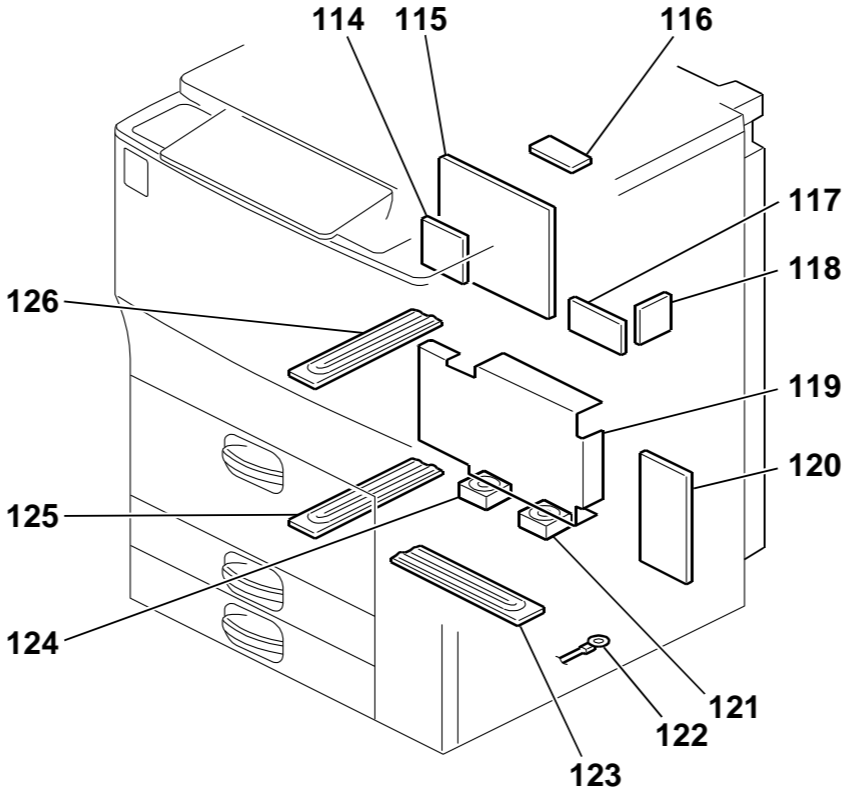
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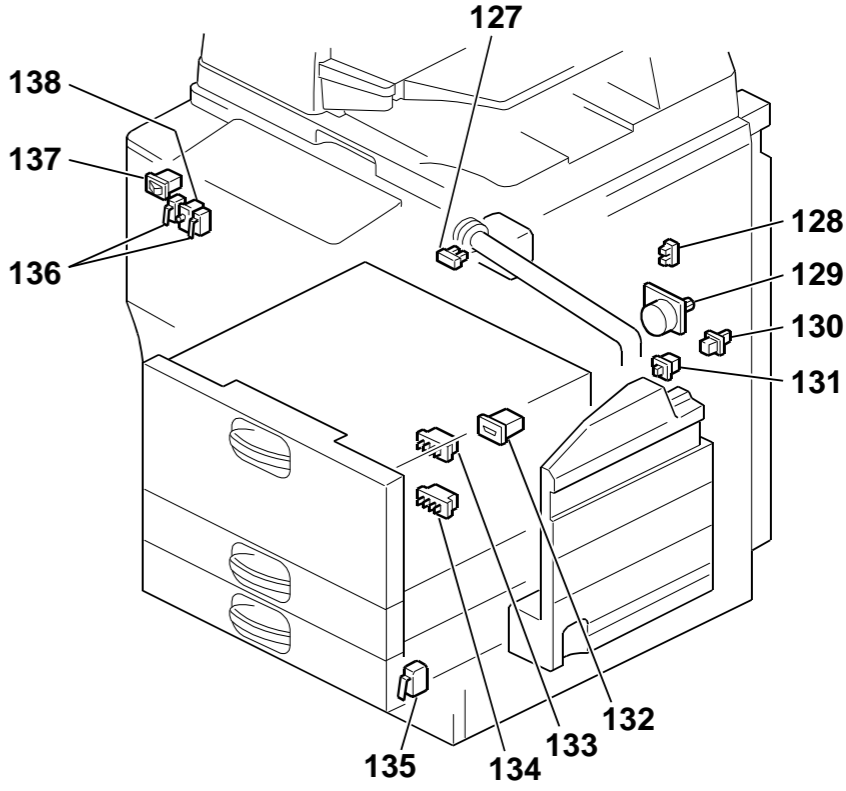
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D1310908.wmf



D1310906.wmf



D1310907.wmf

D131/D132/D133 ELECTRICAL COMPONENT LAYOUT (3/4)

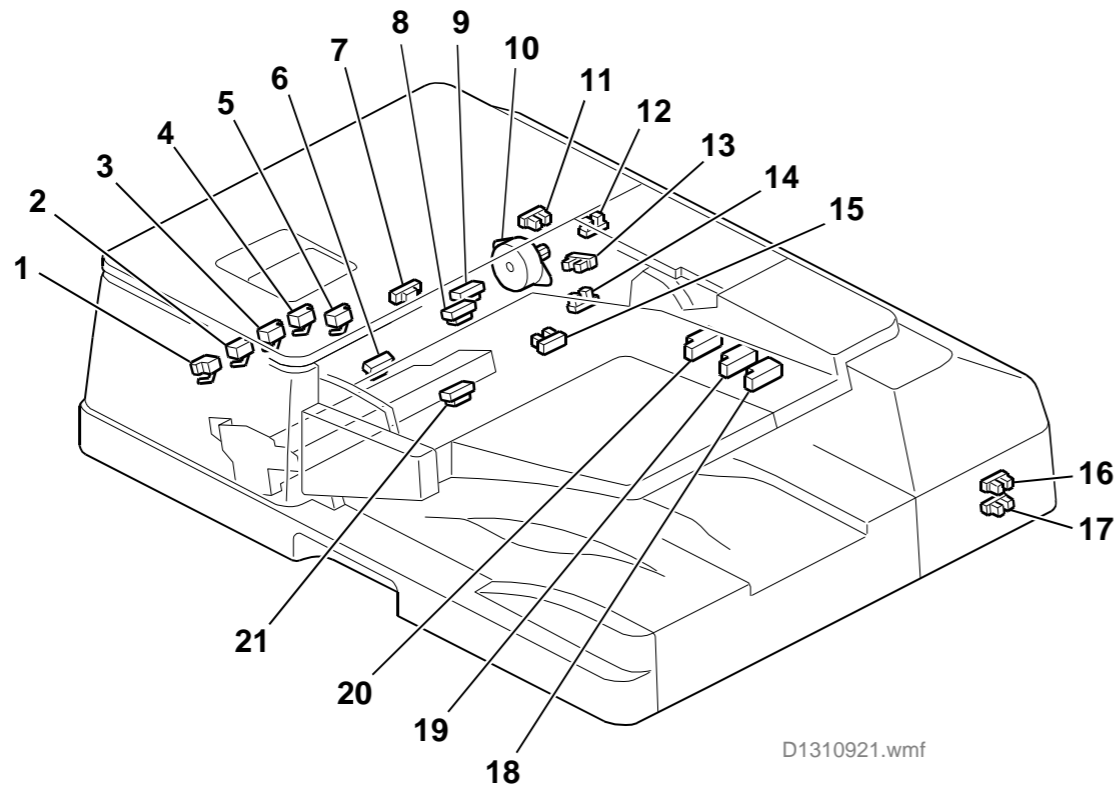
Symbol	Index No.	Description	P to P	Page
Sensors				
S1	6	Original Width Sensor 0-2	B6	1/4
S2	7	Original Length Sensor 3	B6	1/4
S3	13	Original Length Sensor 4	B6	1/4
S4	9	Scanner HP Sensor	C6	1/4
S5	22	Guide Plate Position Sensor	F8	1/4
S6	25	By-pass Paper Size Sensor	F8	1/4
S7	27	Relay Sensor	E8	1/4
S8	21	By-pass Paper End Sensor	E8	1/4
S9	20	Registration Sensor	F8	1/4
S10	39	Toner Density Sensor	F7	1/4
S11	40	Toner End Sensor	F7	1/4
S12	127	Toner Collection Coil Sensor	E6	1/4
S13	91	Duplex Transport Sensor 3	F6	1/4
S14	90	Duplex Transport Sensor 2	E6	1/4
S15	85	Duplex Jogger HP Sensor	F6	1/4
S16	88	Duplex Transport Sensor 1	E6	1/4
S17	87	Duplex Inverter Sensor	E6	1/4
S18	86	Duplex Entrance Sensor	E6	1/4
S19	38	Drum Potential Sensor	F5	1/4
S20	43	Image Density Sensor	F5	1/4
S21	45	Paper Exit Sensor	F5	1/4
S22	46	Exit Unit Entrance Sensor	F5	1/4
S23	58	Web End Sensor	F4	1/4
S24	64	Fusing Pressure Release Sensor *D131/D132	F4	1/4
S25	128	Toner Collection Motor Sensor	E4	1/4
S26	47	Fusing Exit Sensor	B8	2/4
S27	68	Front Side Fence Open Sensor	D4	2/4
S28	67	Front Side Fence Close Sensor	D4	2/4
S29	73	Rear Side Fence Open Sensor	D4	2/4
S30	72	Rear Side Fence Close Sensor	D4	2/4
S31	80	Right Tray Down Sensor	E4	2/4
S32	70	Paper Near End Sensor	E4	2/4
S33	78	Paper Height Sensor 1	E4	2/4
S34	79	Paper Height Sensor 2	E4	2/4
S35	81	Paper Height Sensor 3	E4	2/4
S36	76	Right Tray Paper Sensor	E4	2/4
S37	69	Rear Fence HP Sensor	E4	2/4
S38	71	Rear Fence Return Sensor	F4	2/4
S39	66	Left Tray Paper End Sensor	F4	2/4
S40	32	3rd Tray Lift Sensor	C1	2/4
S41	31	3rd Paper End Sensor	C1	2/4
S42	30	3rd Vertical Transport Sensor	C1	2/4
S43	29	3rd Paper Feed Sensor	C1	2/4
S44	32	2nd Tray Lift Sensor	C1	2/4
S45	31	2nd Paper End Sensor	C1	2/4
S46	30	2nd Vertical Transport Sensor	B1	2/4
S47	29	2nd Paper Feed Sensor	B1	2/4
S48	122	Temperature Sensor	B1	2/4
S49	32	1st Tray Lift Sensor	B1	2/4
S50	31	1st Paper End Sensor	A1	2/4
S51	30	1st Vertical Transport Sensor	A1	2/4
S52	29	1st Paper Feed Sensor	A1	2/4

Symbol	Index No.	Description	P to P	Page
Motors				
M1	113	Drum Motor	B1	1/4
M2	112	Fusing/Exit Motor	B2	1/4
M3	103	Development Motor	B2	1/4
M4	2	Polygon Mirror Motor	B5	1/4
M5	19	Scanner Motor	B5	1/4
M6	17	Scanner Colling Fan (Right)	B5	1/4
M7	12	Lamp Stabilizer CoolingFan	C7	1/4
M8	37	Toner Supply Motor	F9	1/4
M9	110	Duplex Cooling Fan	F8	1/4
M10	93	Duplex Jogger Motor	F6	1/4
M11	111	PCU Cooling Fan	F5	1/4
M12	41	Charge Corona Wire Cleaner Motor	F5	1/4
M13	57	Web Motor	F4	1/4
M14	65	Fusing Pressure Release Motor *D131/D132	F4	1/4
M15	102	Drum Cooling Fan	F3	1/4
M16	18	Development Unit Cooling Fan 2	F3	1/4
M17	16	Development Unit Cooling Fan 1	F3	1/4
M18	101	Charge P.P Cooling Fan	F3	1/4
M19	100	Exhaust Fan	E3	1/4
M20	36	Toner Cooling Fan	E2	1/4
M21	94	Duplex Inverter Motor	D1	1/4
M22	92	Duplex Transport Motor	D1	1/4
M23	105	Registration Motor	D1	1/4
M24	106	By-pass Feed Motor	D2	1/4
M25	121	PCU Cooling Fan 1	B4	2/4
M26	124	PCU Cooling Fan 2	B4	2/4
M27	83	Rear Fence Motor	E4	2/4
M28	129	Toner Collection Motor	F1	2/4
M29	107	1st Tray Lift Motor	F1	2/4
M30	109	3rd Tray Lift Motor	F1	2/4
M31	108	2nd Tray Lift Motor	E1	2/4
M32	28	3rd Paper Feed Motor	D1	2/4
M33	28	1st Paper Feed Motor	D1	2/4
M34	28	2nd Paper Feed Motor	D1	2/4
M35	99	Controller Box Fan	E1	3/4
M36	35	Relay Motor	C1	2/4
Clutch				
MC1	24	By-pass Feed Clutch	F8	1/4
MC2	104	Toner Supply Clutch	-	-

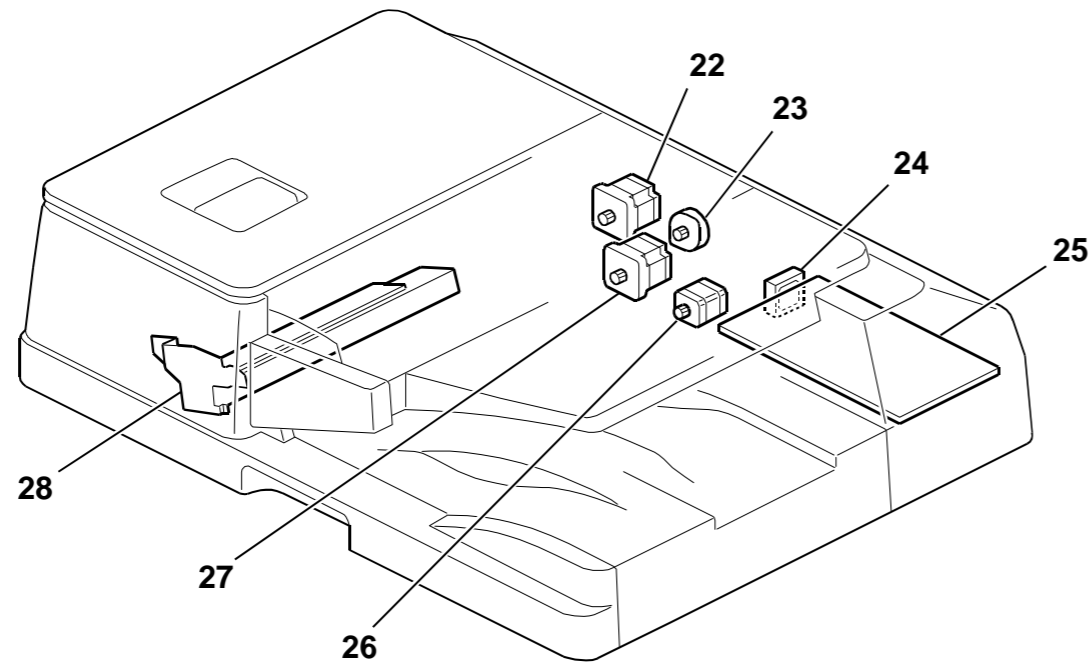
Symbol	Index No.	Description	P to P	Page
PCBs				
PCB1	114	CNB (Connection Board)	C3	1/4
PCB2	96	IPU (Image Processing Control Unit)	E8	1/4
PCB3	3	Polygon Mirror Motor Drive Board	B4	1/4
PCB4	116	Power Pack (C,G) *Charge	E4	1/4
PCB5	11	Lamp Stabilizer	B5	1/4
PCB6	15	SIOB	D6	1/4
PCB7	14	SBU (Sensor Board Unit)	D7	1/4
PCB9	4	LDB (Laser Drive Board)	C9	1/4
PCB10	115	BCU (Base Engine Control Unit)	D6	1/4
PCB11	117	DRB (Drive Board)	E1	1/4
PCB12	119	PSU/AC Drive	C5	2/4
PCB13	97	CTL PSU (Controller PSU)	E6	2/4
PCB14	120	PFB (Paper Feed Board)	C2	2/4
PCB15	95	Controller Board	C2	3/4
PCB16	1	Laser Synchronization Detector Board	B4	1/4
PCB17	118	Power Pack (Development)	E7	1/4
PCB18	48	Power Pack (Trancter Belt)	F7	1/4
Solenoids				
SOL1	26	Guide Plate Solenoid	F8	1/4
SOL2	23	By-pass Pick-up Solenoid	F8	1/4
SOL3	49	Trancter Belt Lift Solenoid	F7	1/4
SOL4	89	Dulex Janction Gate Solenoid	E5	1/4
SOL5	84	Reverse Triggger Roller Solenoid	E5	1/4
SOL6	50	Exit Janction Gate Solenoid	F4	1/4
SOL7	82	Front Side Fence Solenoid	E4	2/4
SOL8	74	Rear Side Fence Solenoid	E4	2/4
SOL9	77	Right Tray Lock Solenoid	F4	2/4
SOL10	75	Left Tray Lock Solenoid	F4	2/4
SOL11	33	3rd Seperration Roller Solenoid	C1	2/4
SOL12	34	3rd Pick-up Solenoid	C1	2/4
SOL13	33	2nd Seperration Roller Solenoid	C1	2/4
SOL14	34	2nd Pick-up Solenoid	C1	2/4
SOL15	33	1st Seperration Roller Solenoid	B1	2/4
SOL16	34	1st Pick-up Solenoid	A1	2/4
Switches				
SW1	136	Front Door Safety Switch 1	C9	1/4
SW2	138	Front Door Safety Switch 2	C1	1/4
SW5	135	Lower Front Door Safety Switch	C3	2/4
SW6	130	Toner Overflow Switch	F1	2/4
SW7	131	Toner Collection Bottle Set Switch	F1	2/4
SW8	133	2nd Tray Size Switch	F1	2/4
SW9	134	3rd Tray Size Switch	E1	2/4
SW10	137	Main Switch	A5	2/4

Symbol	Index No.	Description	P to P	Page
Thermistors				
TH1	54	Thermistor (Center)	B8	2/4
TH2	53	Thermistor (End)	B8	2/4
Thermostats				
TS1	55	Thermostat 1 *D131/D132	C8	2/4
TS2	56	Thermostat 2 *D131/D132	C8	2/4
TS3	61	Thermostat 1 (End) *D133	B8	2/4
TS4	62	Thermostat 2 (Center) *D133	B8	2/4
TS5	63	Thermostat 3 (End) *D133	B8	2/4
Herterers				
H1	126	Drum Herter	A6	2/4
H2	8	Scanner Herter (Option)	A6	2/4
H3	123	Lower Tray Herter	A6	2/4
H4	125	Upper Tray Herter	A6	2/4
Lamps				
L1	10	Exposure Lamp	E5	1/4
L2	42	PTL	F5	1/4
L3	44	Quenching Lamp	F5	1/4
L4	51	Fusing Lamp 4 *D131/D132	C8	2/4
L5	52	Fusing Lamp 5 *D131/D132	C8	2/4
L6	59	Fusing Lamp 1 *D133	C8	2/4
L7	60	Fusing Lamp 2 *D133	C8	2/4
L8	-	Fusing Lamp 3 *D133	C8	2/4
Others				
CO1	132	Mechanical Counter	F7	1/4
HDD1	98	HDD	A2	3/4
OT1	5	Operation Panel	A4	1/4

ADF (For D131/D132/D133) ELECTRICAL COMPONENT LAYOUT (4/4)

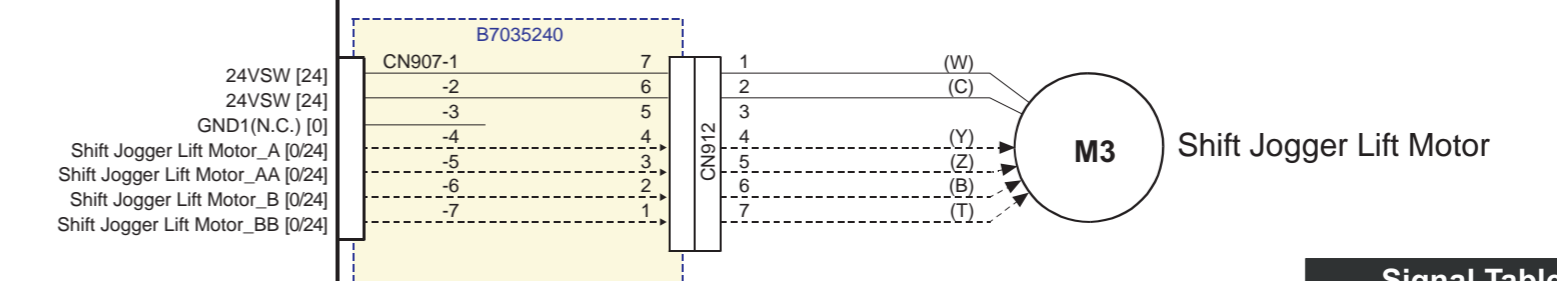
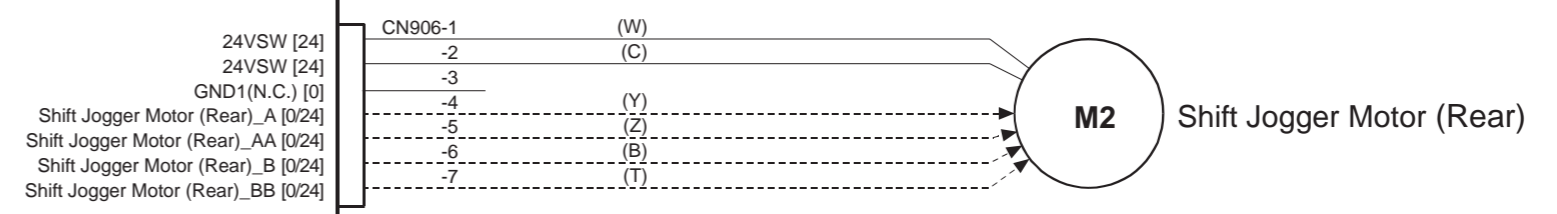
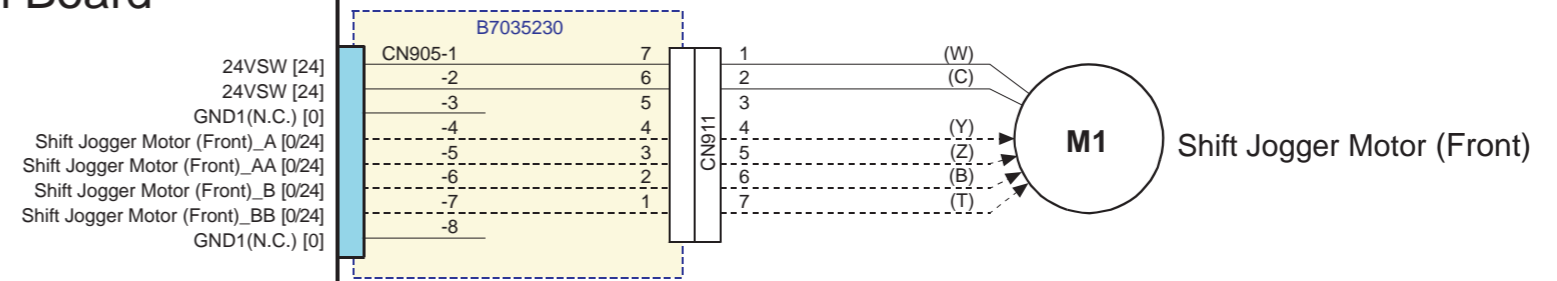
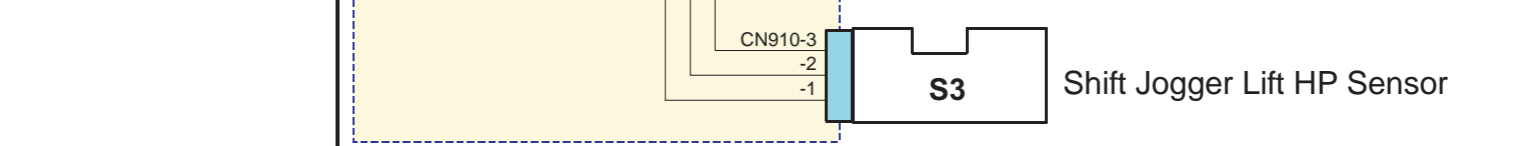
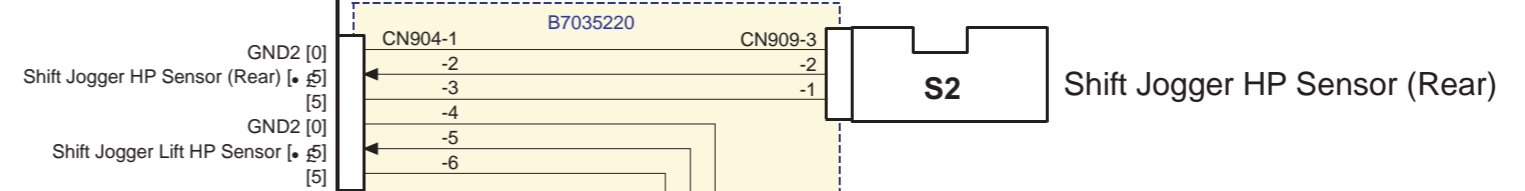
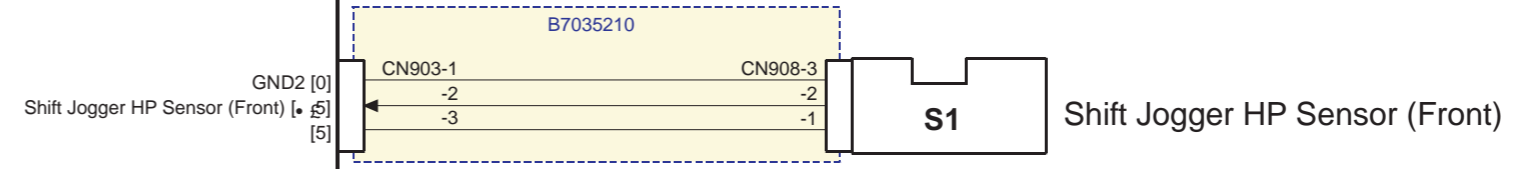
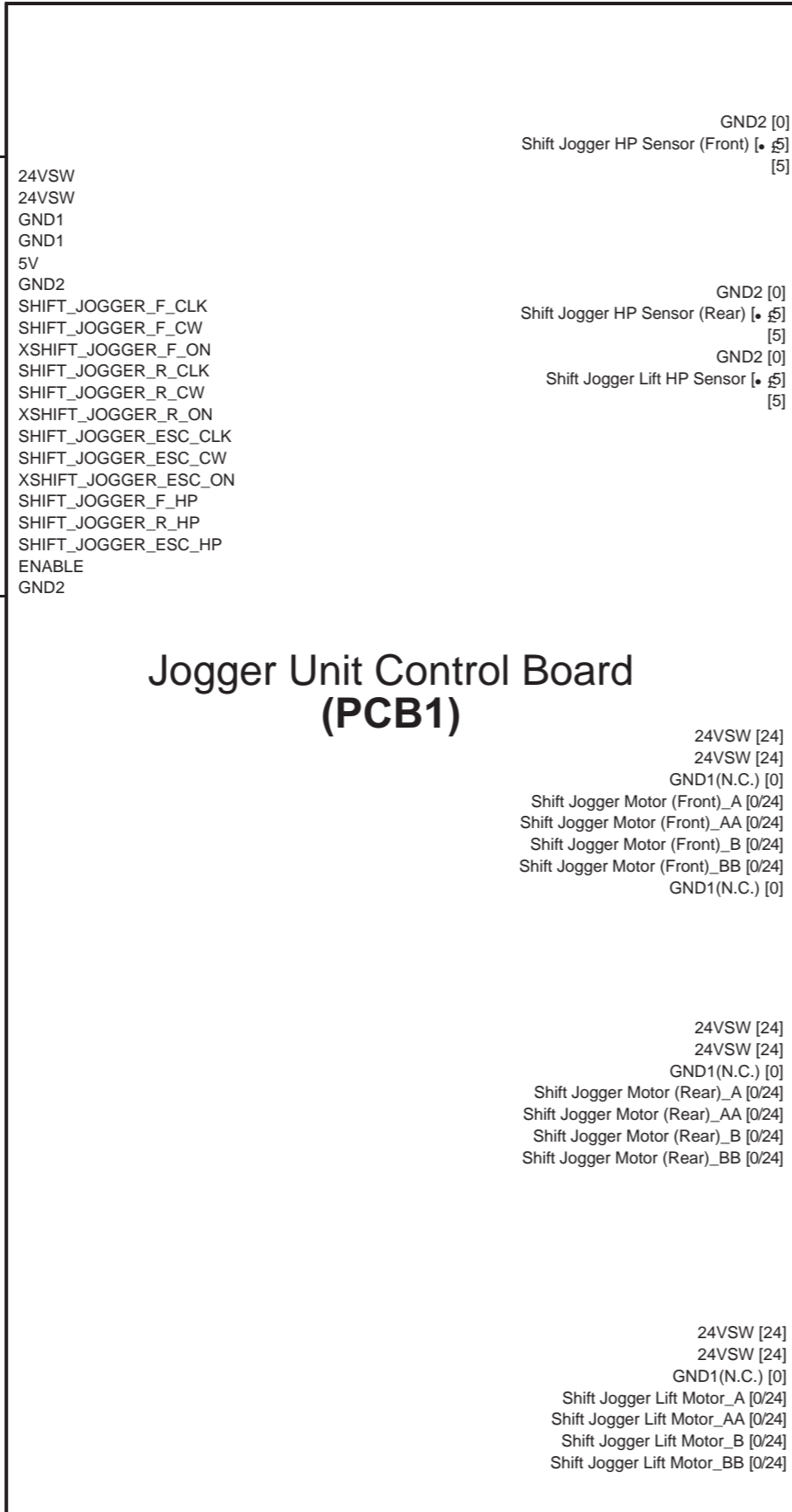
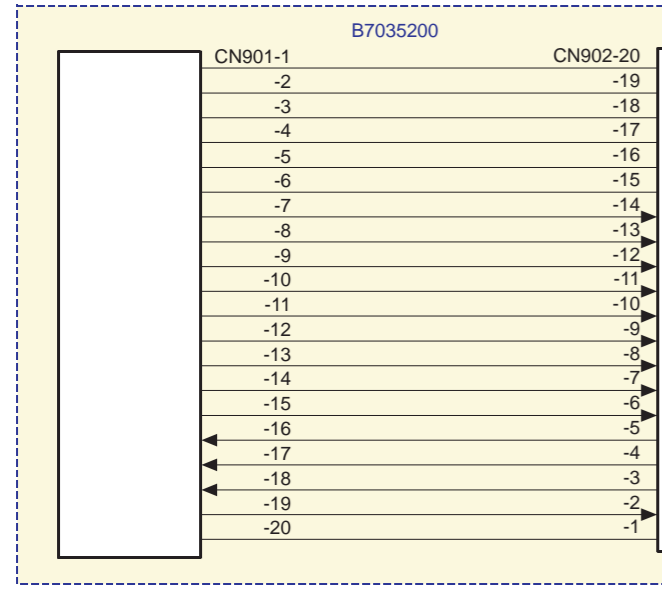


Symbol	Index No.	Description	P to P	Page
Sensors				
S1	1	Original Width 5 Sensor	A2	4/4
S2	2	Original Width 4 Sensor	A2	4/4
S3	3	Original Width 3 Sensor	B2	4/4
S4	4	Original Width 2 Senso	B2	4/4
S5	5	Original Width 1 Sensor	B2	4/4
S6	11	Pick-up Roller HP Sensor	B3	4/4
S7	7	Interval Sensor	C2	4/4
S8	9	Skew Correction Sensor	C2	4/4
S9	8	Seperation Sensor	C2	4/4
S10	21	Exit Sensor	D2	4/4
S11	6	Registration Sensor	D2	4/4
S12	14	Original Set Sensor	D2	4/4
S13	15	Bottom Plate HP Sensor	D2-E2	4/4
S14	12	Feed Cover Sensor	E2	4/4
S15	13	Bottom Plate Position Sensor	E2	4/4
S16	18	Original Length 1 Sensor	E2	4/4
S17	19	Original Length 2 Sensor	F2	4/4
S18	20	Original Length 3 Sensor	F2	4/4
S19	16	DF Position Sensor	F3	4/4
S20	17	APS Start Sensor	G3	4/4



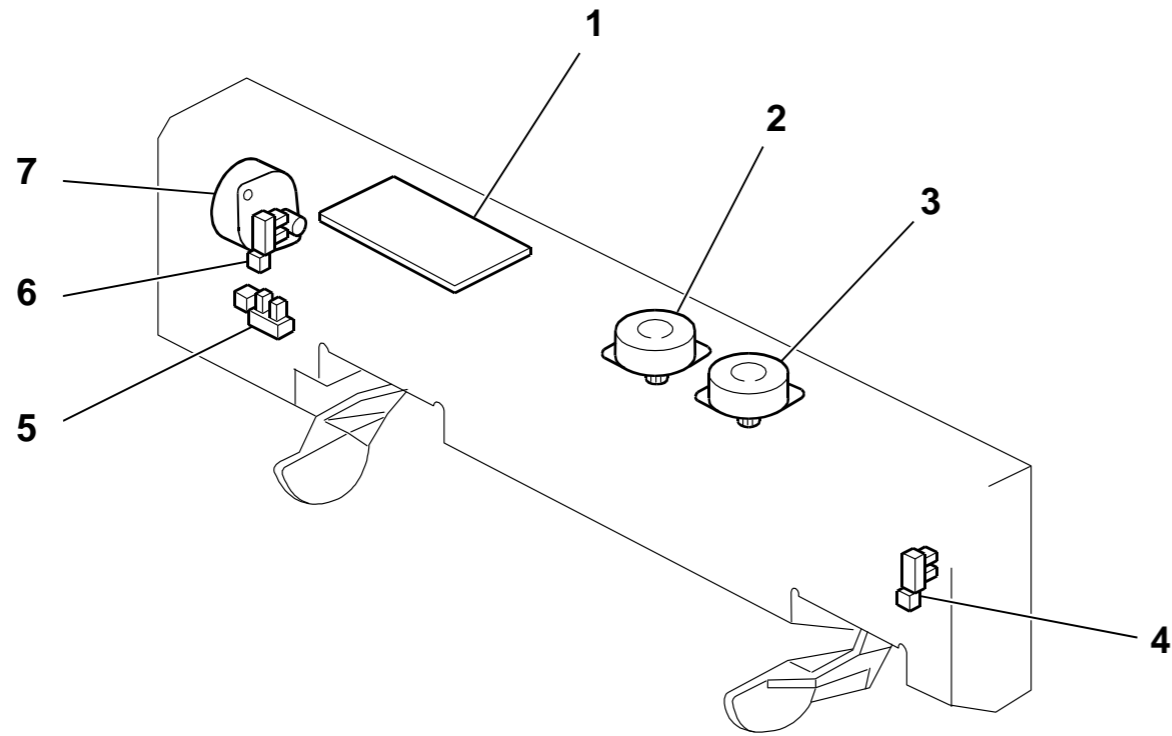
Symbol	Index No.	Description	P to P	Page
Motors				
M1	22	Feed Motor	A8	4/4
M2	27	Transport Motor	B8	4/4
M3	26	Exit Motor	B8	4/4
M4	23	Bottom Plate Motor	C8	4/4
M5	10	Pick-up Motor	D8	4/4
M6	24	Fan Motor	D8	4/4
PCB				
PCB1	25	ADF Main Board	D6	4/4
Lamp				
L1	28	CIS	F8-F9	4/4

OUTPUT LOGGER UNIT (B703) POINT TO POINT DIAGRAM



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

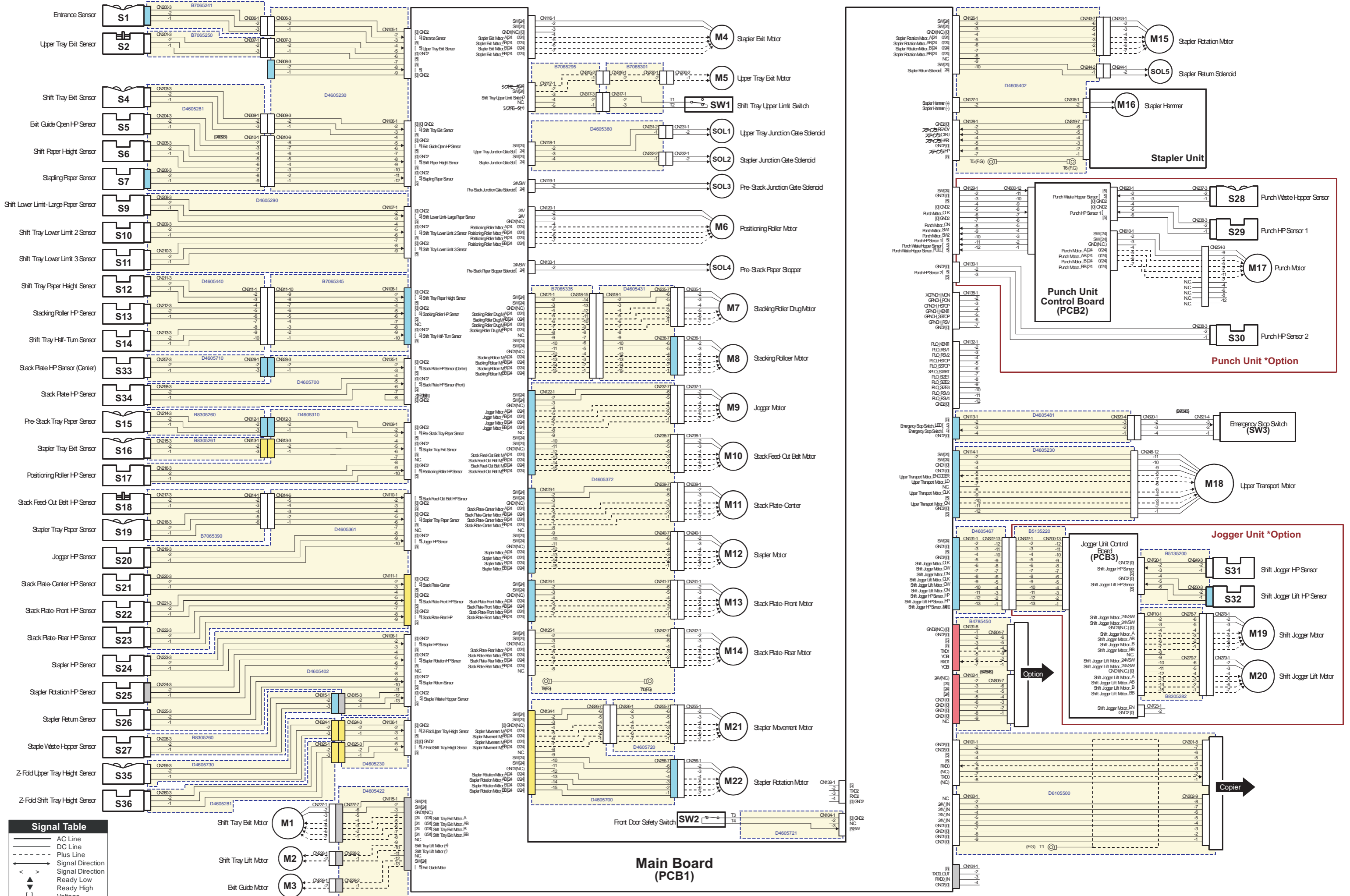
OUTPUT LOGGER UNIT (B703) ELECTRICAL COMPONENT LAYOUT



B7030901.Wmf

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

3000-SHEET FINISHER (D610) POINT TO POINT DIAGRAM



Signal Table

—	AC Line
—	DC Line
—	Plus Line
→	Signal Direction
↔	Signal Direction
◀	Ready Low
▶	Ready High
⬇	Voltage

Main Board (PCB1)

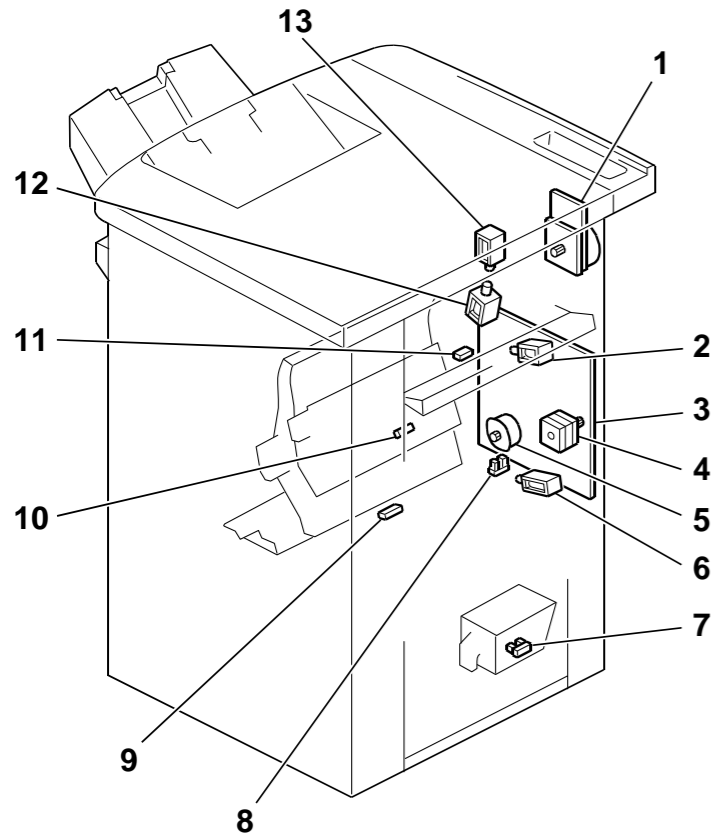
Jogger Unit *Option

Punch Unit Control Board (PCB2)

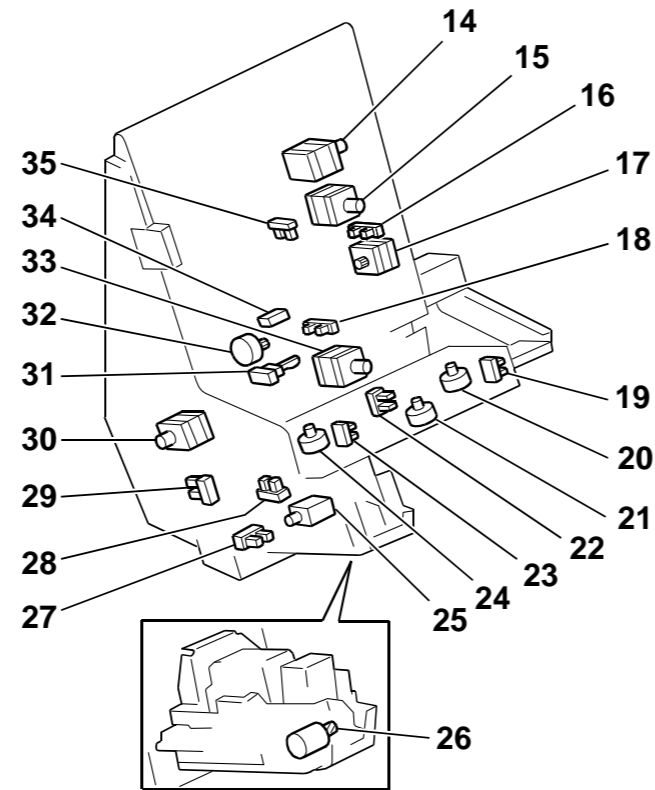
Stapler Unit

Copier

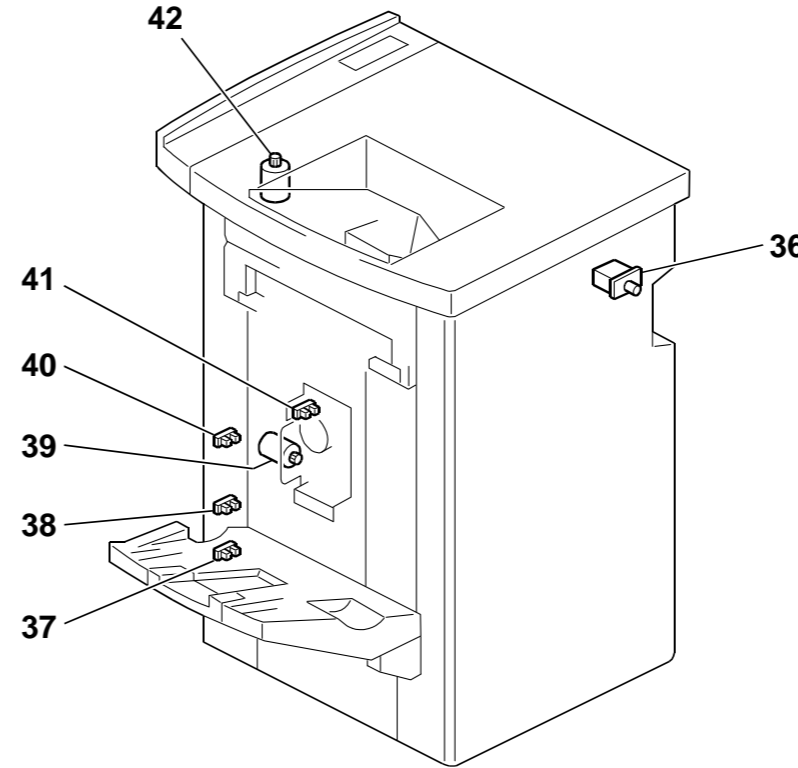
3000-SHEET FINISHER (D610) ELECTRICAL COMPONENT LAYOUT



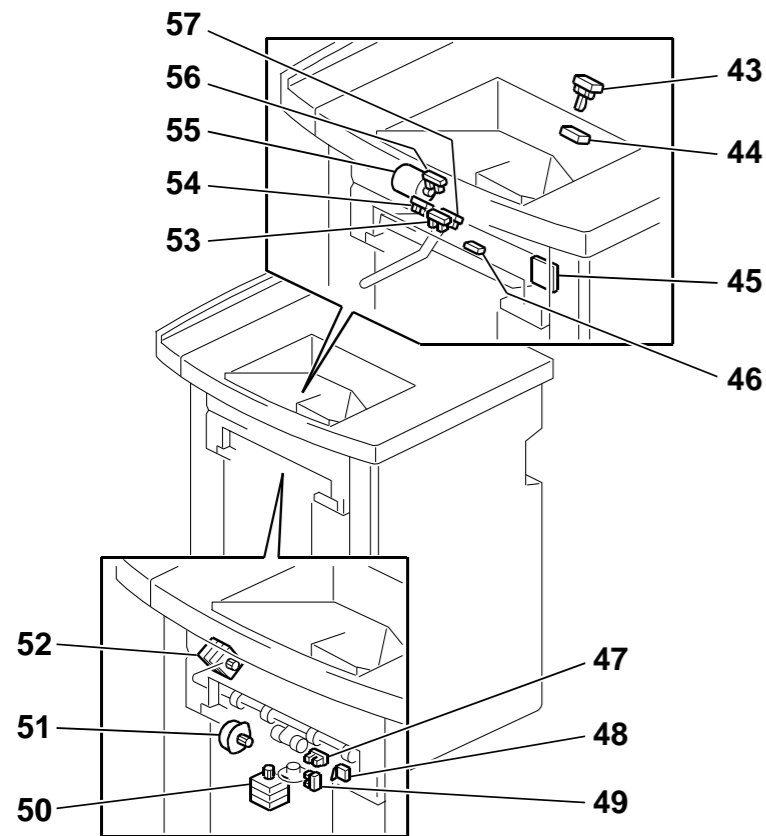
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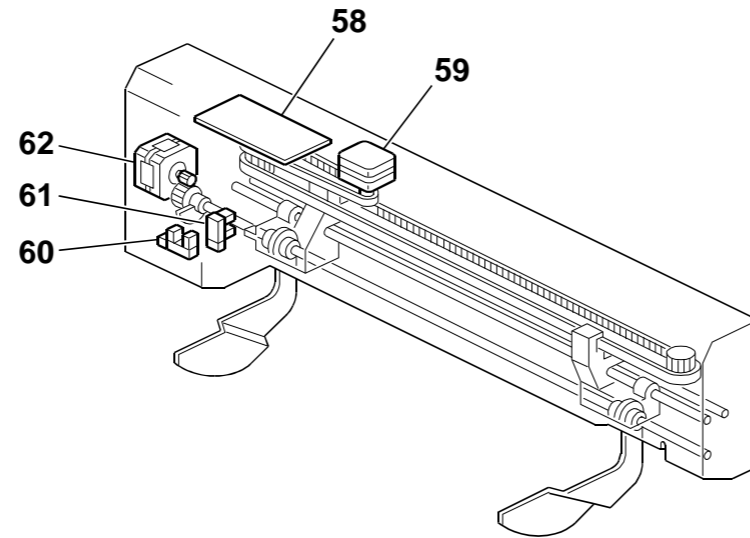
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D6100903.wmf

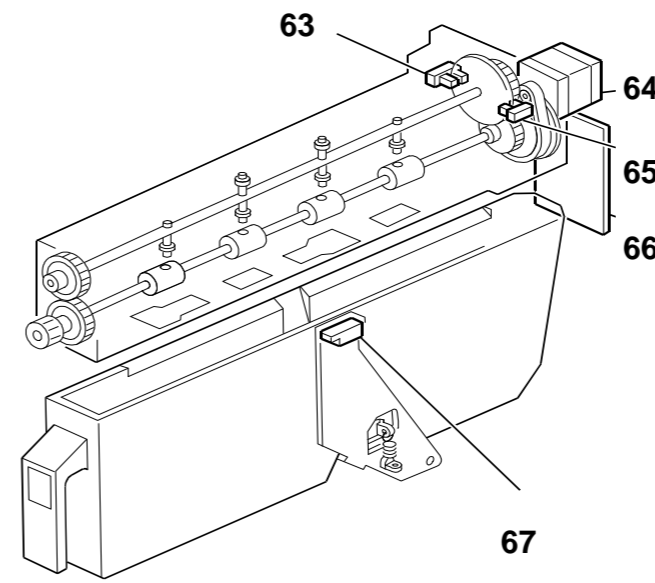


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***Jogger Unit (Option)**

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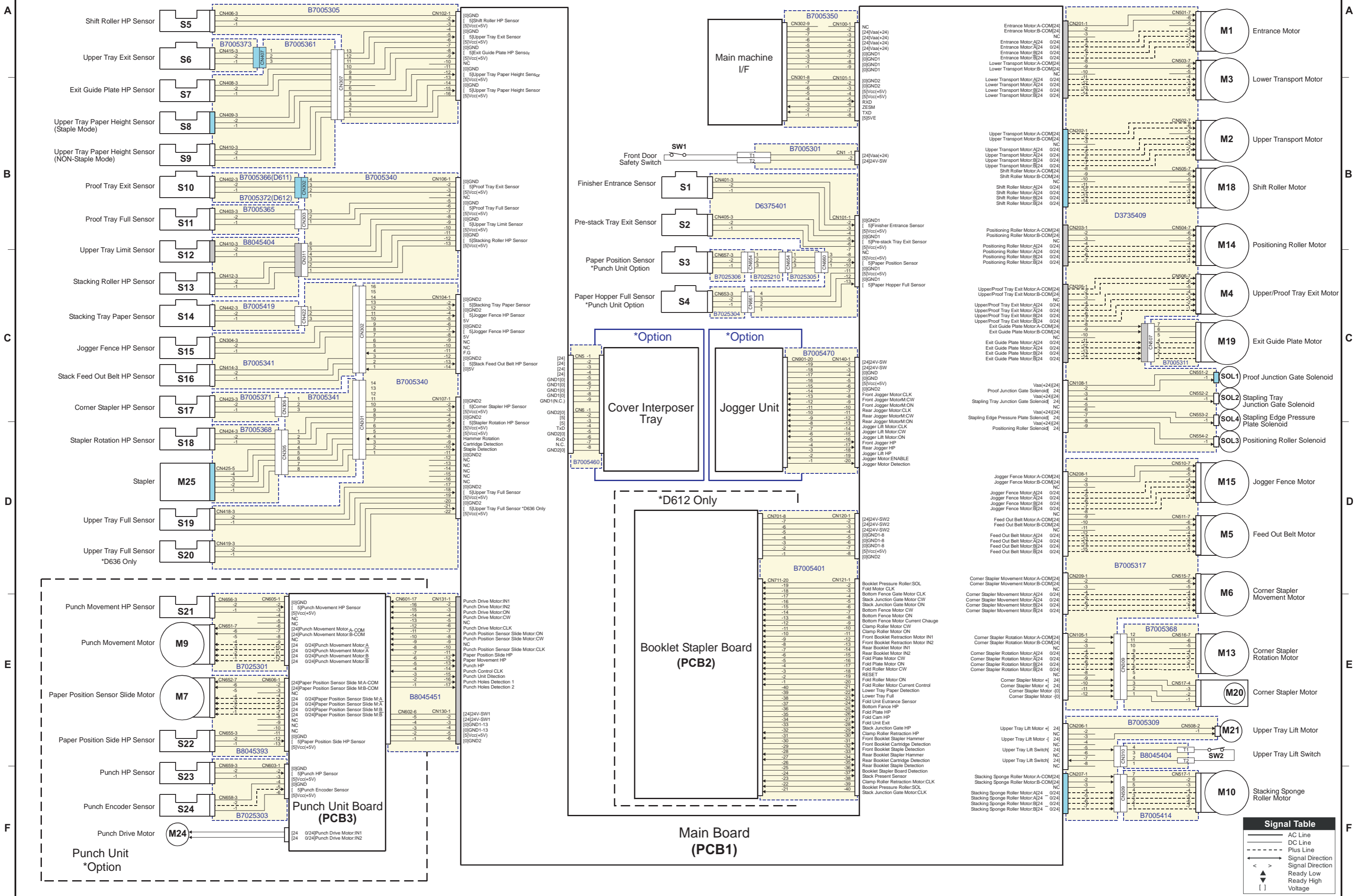
***Punch Unit (Option)**

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Symbol	Index No.	Description	P to P
Sensors			
S1	11	Entrance Sensor	A1
S2	43	Upper Tray Exit Sensor	A1
S4	46	Shift Tray Exit Sensor	B1
S5	56	Exit Guide Open HP Sensor	B1
S6	57	Shift Paper Height Sensor	B1
S7	53	Stapling Paper Sensor	B1
S9	40	Shift Lower Limit-Large Paper Sensor	B1
S10	38	Shift Tray Lower Limit 2 Sensor	B1
S11	37	Shift Tray Lower Limit 3 Sensor	B1
S12	47	Shift Tray Paper Height Sensor	C1
S13	49	Stacking Roller HP Sensor	C1
S14	41	Shift Tray Half-Turn Sensor	C1
S15	10	Pre-Stack Tray Paper Sensor	C1
S16	9	Stapler Tray Exit Sensor	D1
S17	8	Positioning Roller HP Sensor	D1
S18	31	Stack Feed-Out Belt HP Sensor	D1
S19	34	Stapler Tray Paper Sensor	D1
S20	35	Jogger HP Sensor	D1
S21	22	Stack Plate-Center HP Sensor	D1
S22	23	Stack Plate-Front HP Sensor	E1
S23	19	Stack Plate-Rear HP Sensor	E1
S24	29	Stapler HP Sensor	E1
S25	27	Stapler Rotation HP Sensor	E1
S26	28	Stapler Return Sensor	E1
S27	7	Staple Waste Hopper Sensor	E1
S28	67	Punch Waste Hopper Sensor	B9
S29	63	Punch HP Sensor 1	B9
S30	65	Punch HP Sensor 2	C9
S31	61	Shift Jogger HP Sensor	D9
S32	60	Shift Jogger Lift HP Sensor	D9
S33	18	Stack Plate HP Sensor (Center)	C1
S34	16	Stack Plate HP Sensor	C1
S35	44	Z-Fold Upper Tray Height Sensor	E1
S36	54	Z-Fold Shift Tray Height Sensor	F1

Symbol	Index No.	Description	P to P
Motors			
M1	52	Shift Tray Exit Motor	F2
M2	42	Shift Tray Lift Motor	F2
M3	55	Exit Guide Motor	F2
M4	4	Stapler Exit Motor	A5
M5	39	Upper Tray Exit Motor	A5
M6	5	Positioning Roller Motor	B5
M7	50	Stacking Roller Drive Motor	C5
M8	51	Stacking Roller Motor	C5
M9	15	Jogger Motor	C5
M10	14	Stack Feed-Out Belt Motor	D5
M11	21	Stack Plate-Center	D5
M12	33	Stapler Motor	D5
M13	24	Stack Plate-Front Motor	D5
M14	20	Stack Plate-Rear Motor	E5
M15	30	Stapler Rotation Motor	A8
M16	26	Stapler Return Solenoid	B8
M17	64	Punch Motor	C9
M18	1	Upper Transport Motor	D9
M19	59	Shift Jogger Motor	E9
M20	62	Shift Jogger Lift Motor	E9
M21	32	Stapler Movement Motor	E5
M22	17	Stapler Rotation Motor	F5
PCB			
PCB1	3	Main Board	F5
PCB2	66	Punch Unit Control Board	C8
PCB3	58	Jogger Unit Control Board	D8
Solenoids			
SOL1	13	Upper Tray Junction Gate Solenoid	B5
SOL2	12	Stapler Junction Gate Solenoid	B5
SOL3	2	Pre-Stack Junction Gate Solenoid	B5
SOL4	6	Pre-Stack Paper Stopper	C5
SOL5	25	Stapler Return Solenoid	A8
Switches			
SW1	48	Shift Tray Upper Limit Switch	B5
SW2	36	Front Door Safety Switch	F5
SW3	45	Emergency Stop Switch	C9

2000/3000 SHEET FINISHER (D611/D612) POINT TO POINT DIAGRAM (1/2)



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

2000/3000 SHEET FINISHER (D611/D612) POINT TO POINT DIAGRAM (2/2)

A

A

B

B

C

C

D

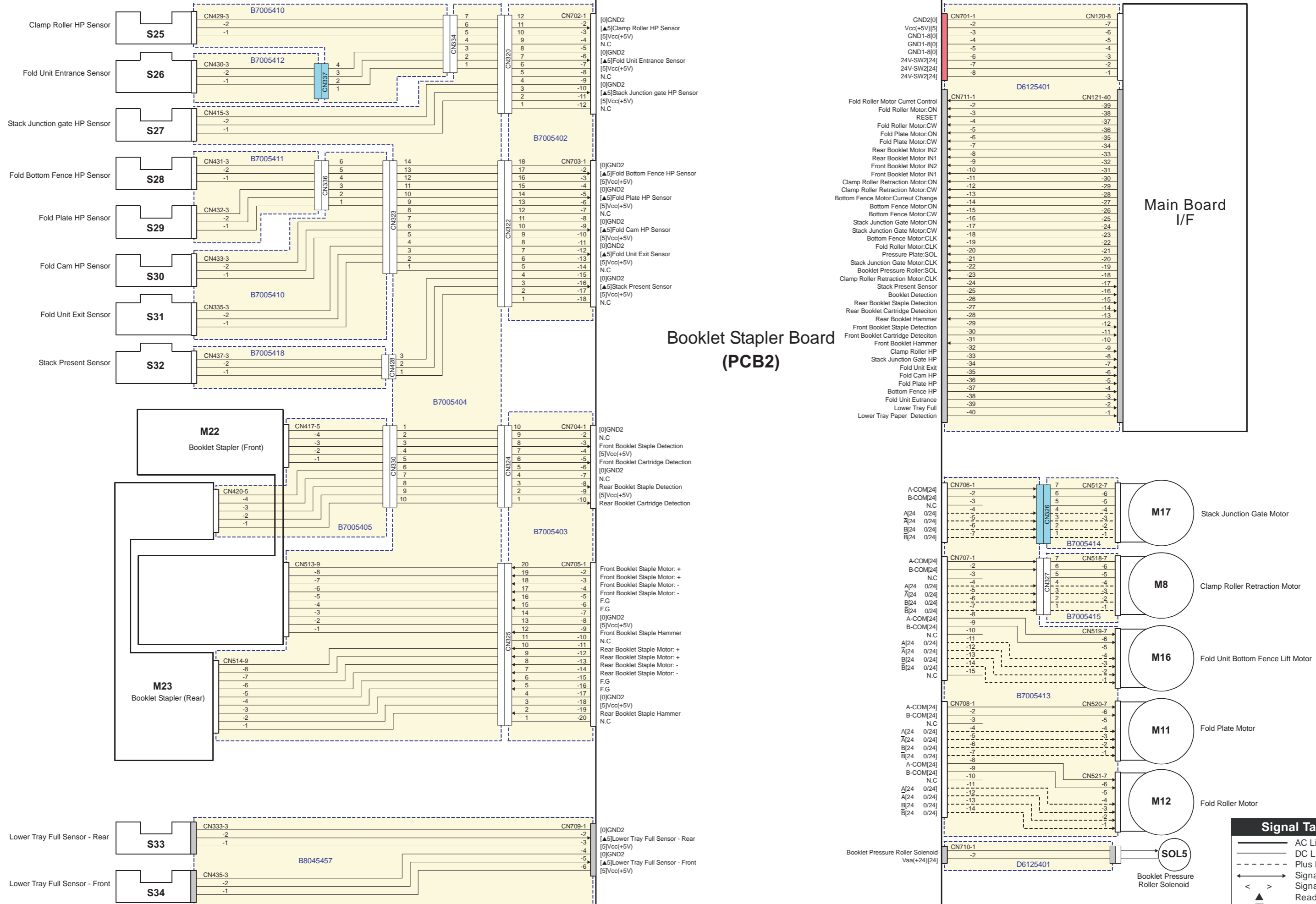
D

E

E

F

F

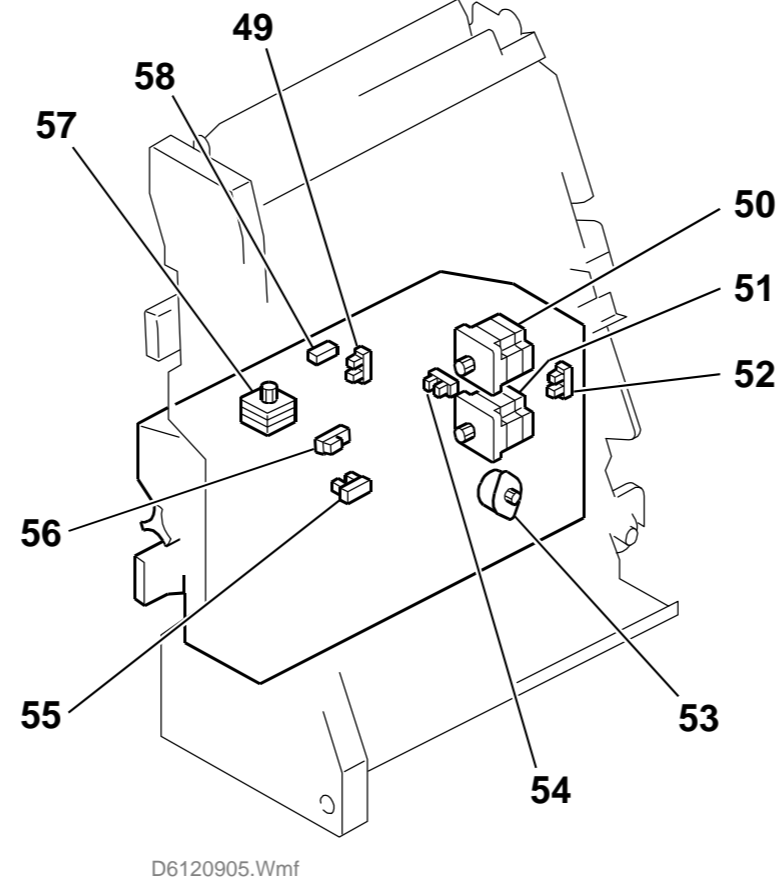
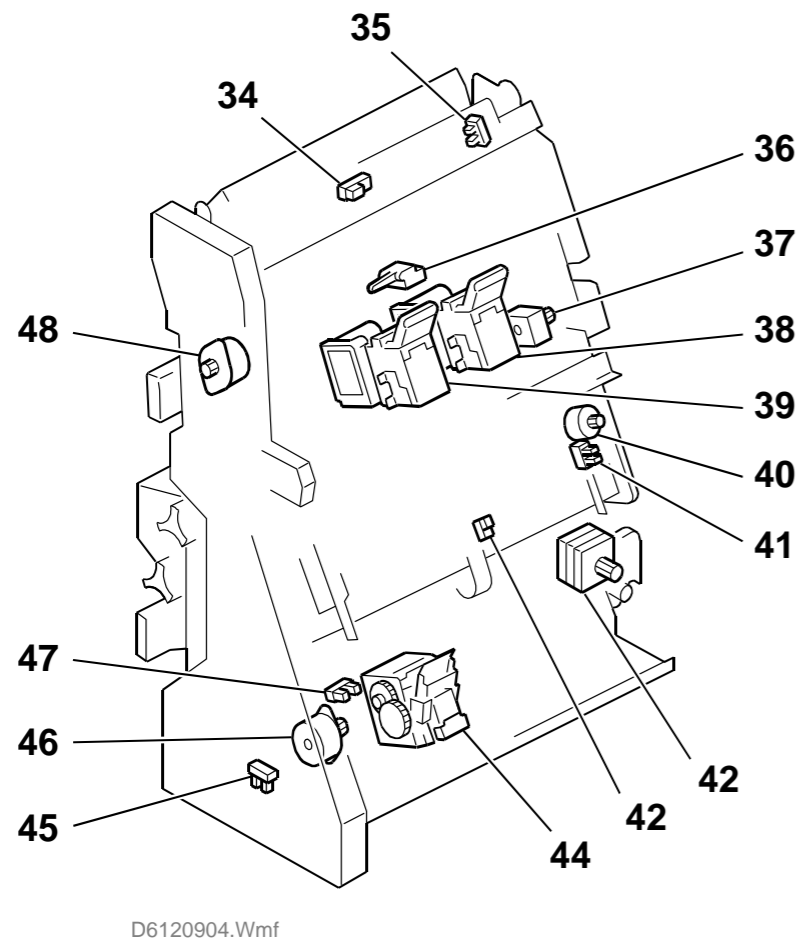
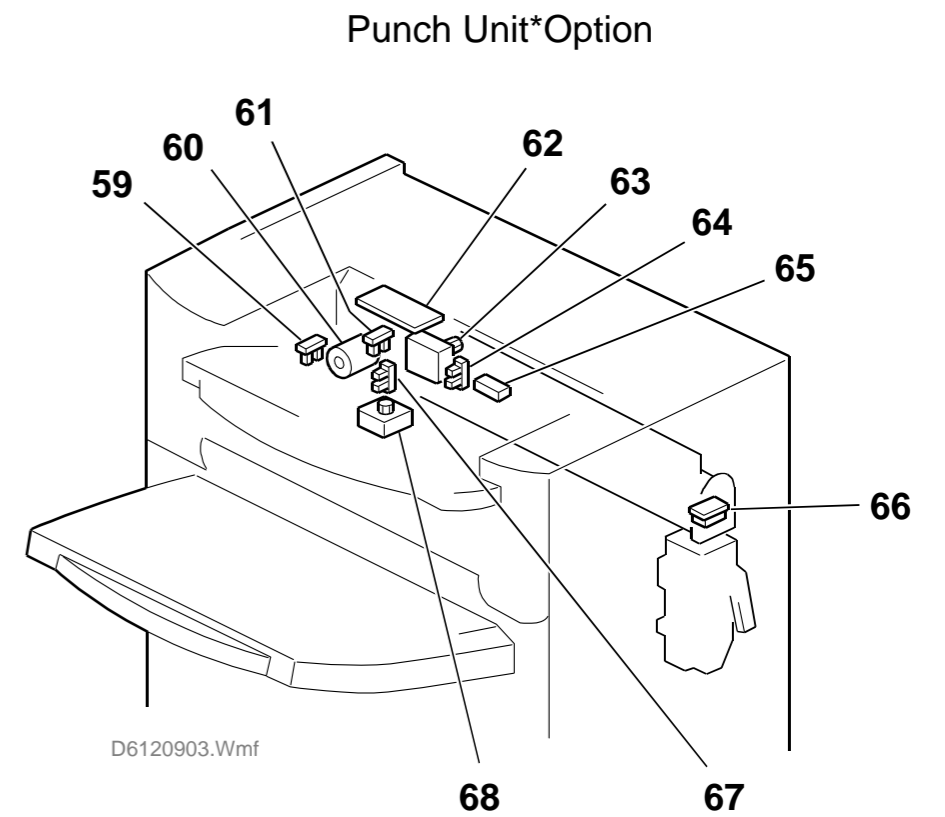
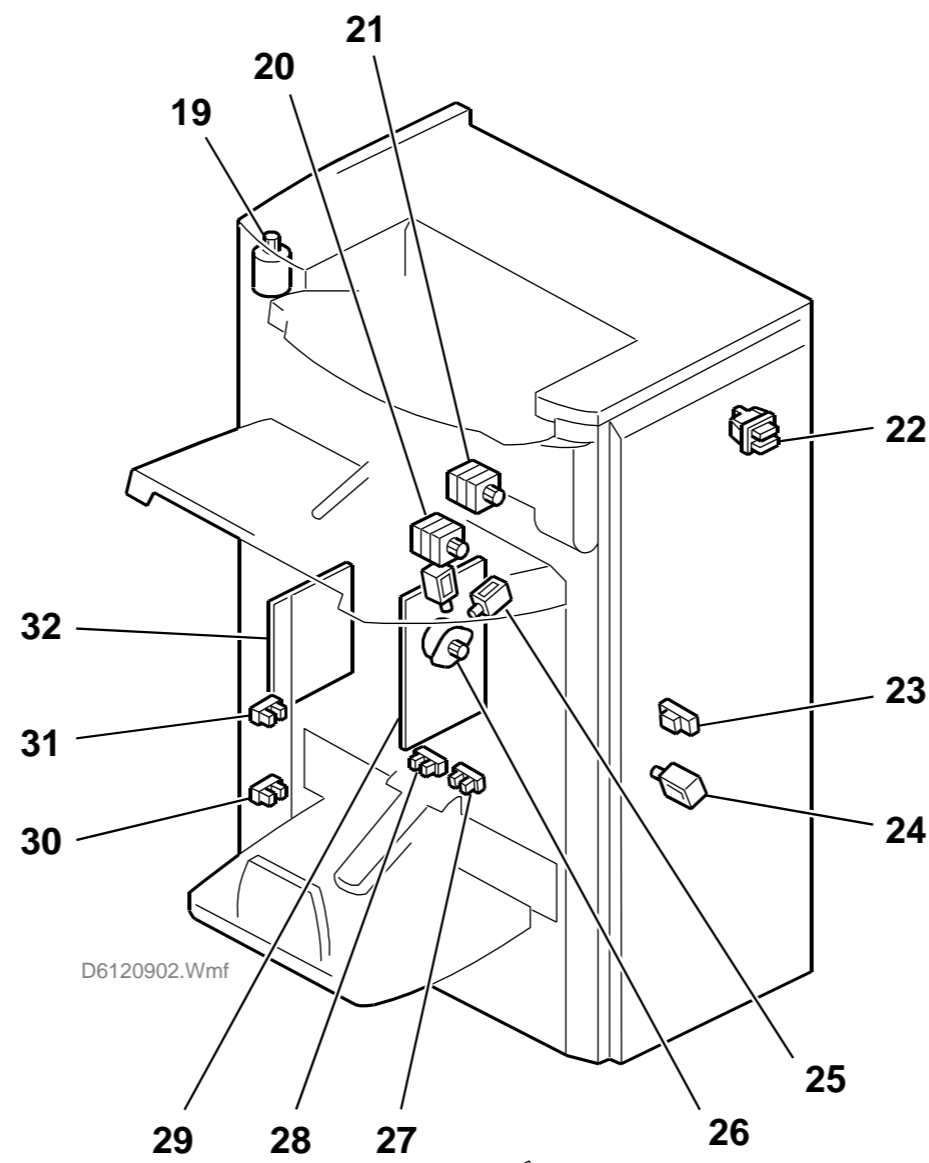
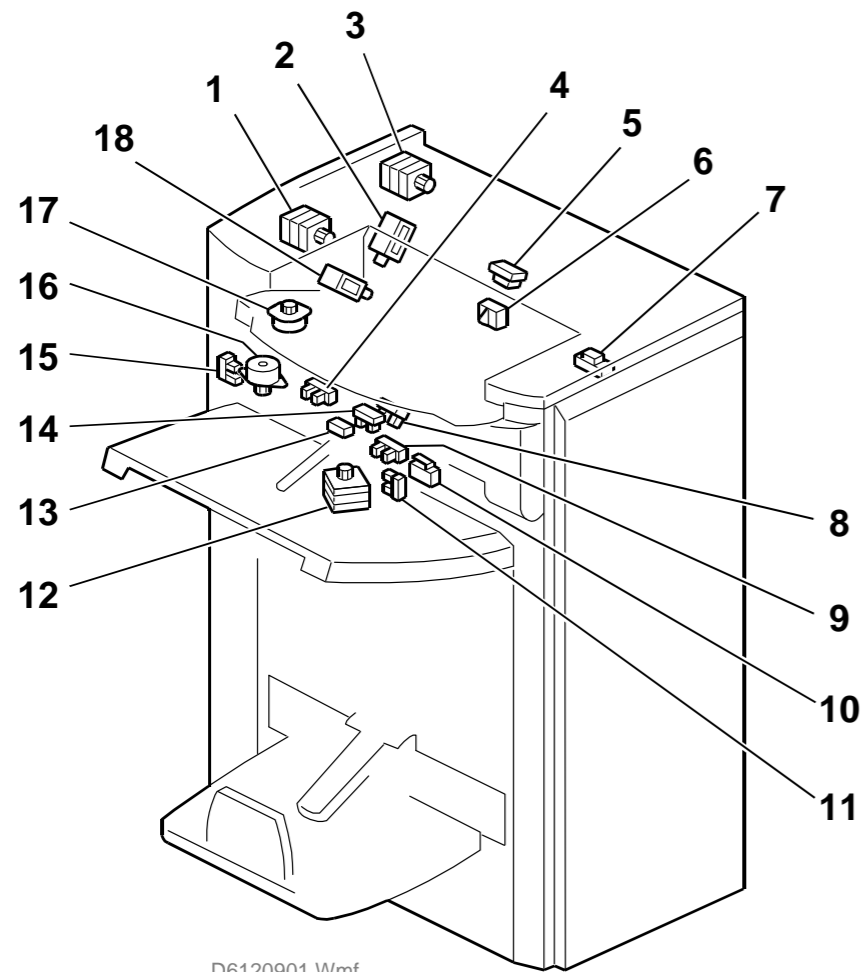


Main Board I/F

Booklet Stapler Board (PCB2)

Signal Table	
—	AC Line
—	DC Line
- - - -	Plus Line
←	Signal Direction
→	Signal Direction
▲	Ready Low
▼	Ready High
[]	Voltage

2000/3000 SHEET FINISHER (D611/D612) ELECTRICAL COMPONENT LAYOUT 1/2

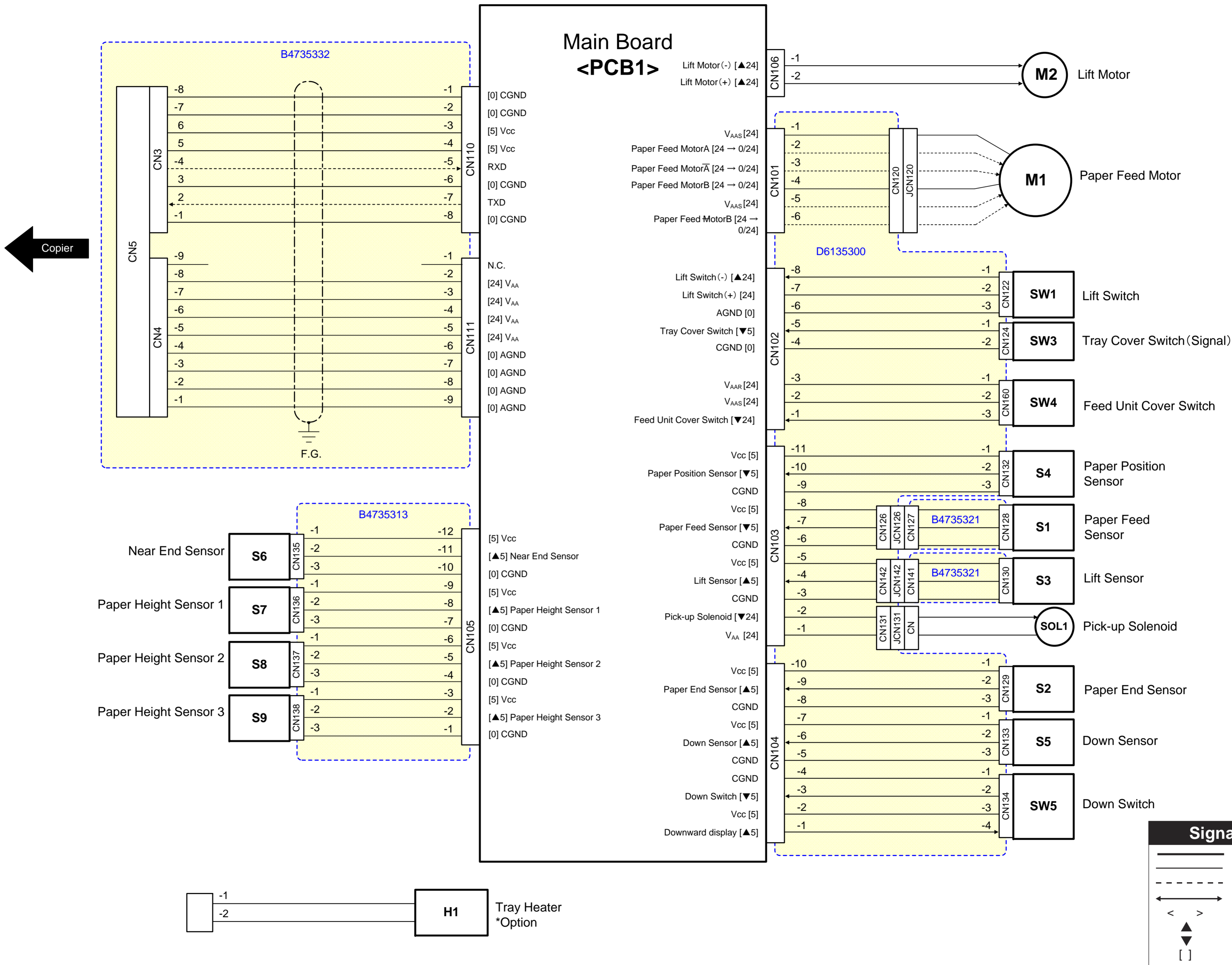


2000/3000 SHEET FINISHER (D611/D612) ELECTRICAL COMPONENT LAYOUT 2/2

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

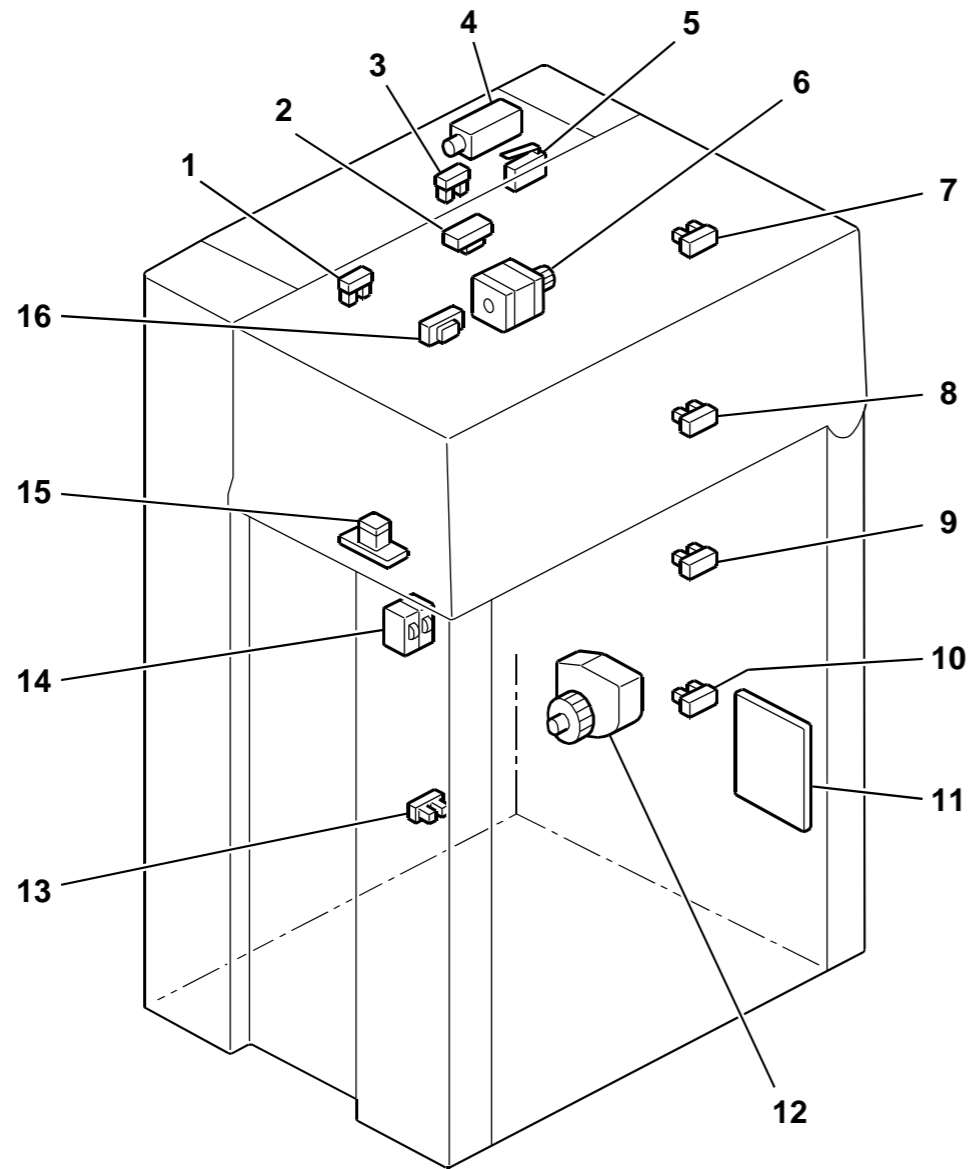
Symbol	Index No.	Description	P to P	Page
PCBs				
PCB1	29	Main Board	G6	1/2
PCB2	32	Booklet Stapler Board	D6	2/2
PCB3	62	Punch Unit Board	G3	1/2
Motors				
M1	21	Entrance Motor	A10	1/2
M2	3	Upper Transport Motor	B10	1/2
M3	20	Lower Transport Motor	A10	1/2
M4	1	Upper/Proof Tray Exit Motor	B10	1/2
M5	37	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

LCT (D613) POINT TO POINT DIAGRAM



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

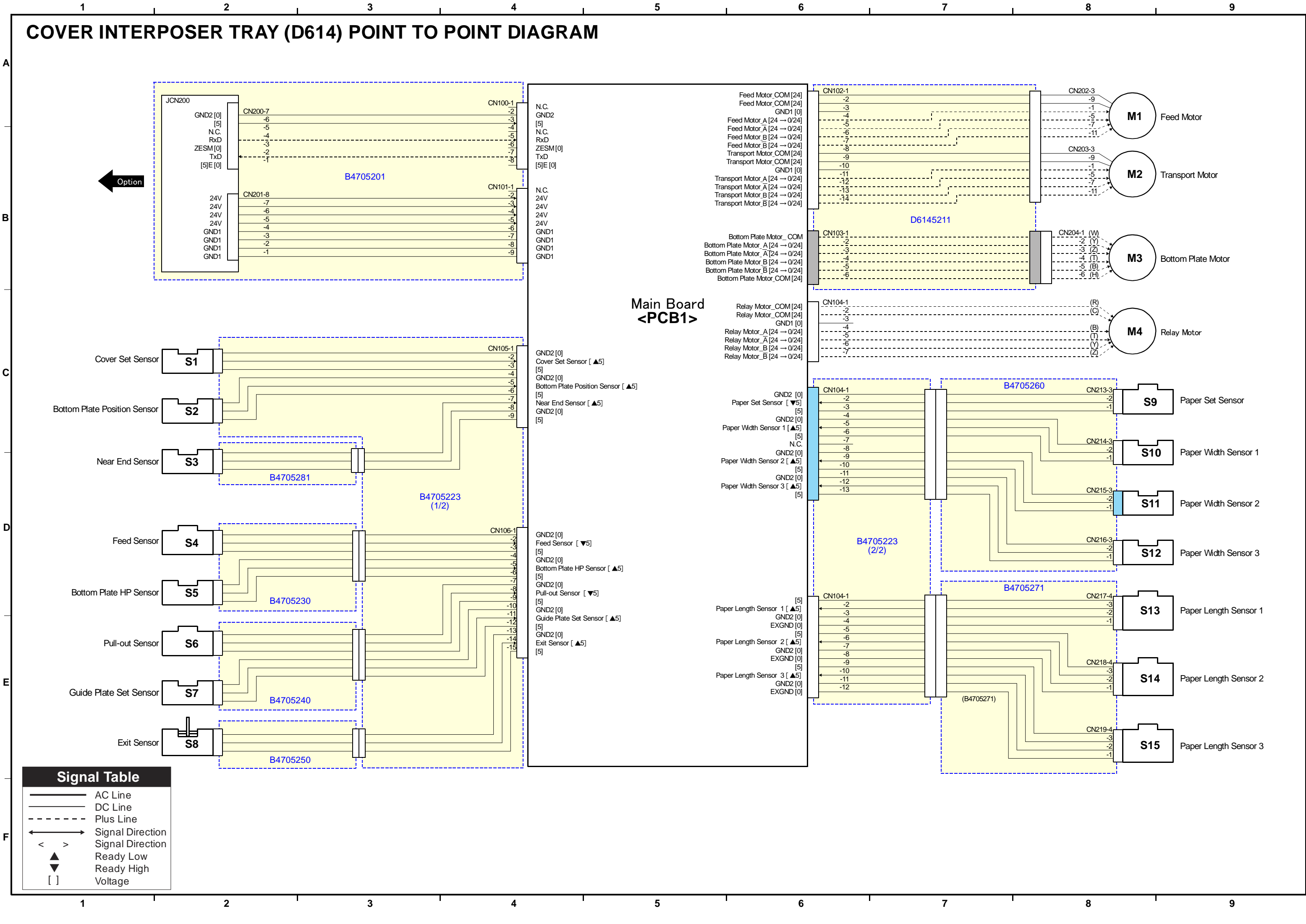
LCT (D613) ELECTRICAL COMPONENT LAYOUT



D6130901.wmf

Symbol	Index No.	Description	P to P
Sensors			
S1	1	Paper Feed Sensor	D8-D9
S2	2	Paper End Sensor	E8-E9
S3	3	Lift Sensor	E8-E9
S4	16	Paper Position Sensor	D8-D9
S5	13	Down Sensor	F8-F9
S6	7	Near End Sensor	E3
S7	8	Paper Height Sensor 1	E3
S8	9	Paper Height Sensor 2	E3
S9	10	Paper Height Sensor 3	F3
Motors			
M1	6	Paper Feed Motor	A8-A9
M2	12	Lift Motor	A8-A9
PCB			
PCB1	11	Main Board	A5-A6
Solenoid			
SOL1	4	Pick-up Solenoid	E9
Switches			
SW1,3	14	Lift Switch / Tray Cover Switch (Signal)	C8-C9
SW4	5	Feed Unit Cover Switch	D8-D9
SW5	15	Down Switch	F8-F9
Other			
H1	-	Tray Heater *Option	G4

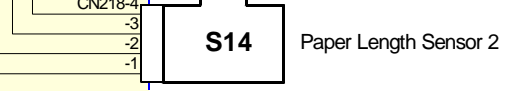
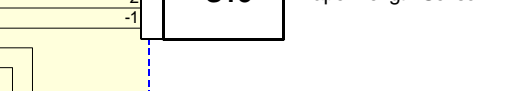
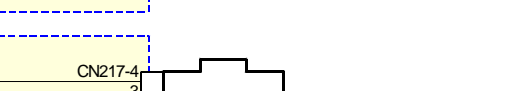
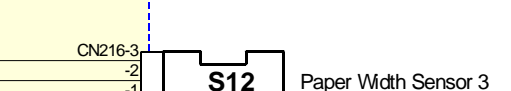
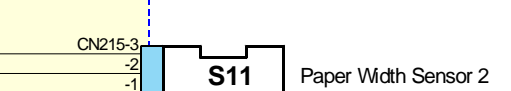
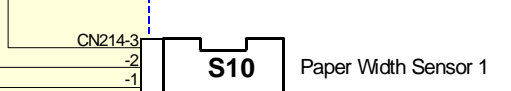
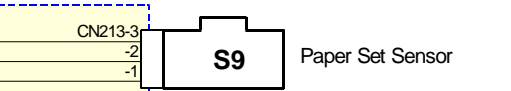
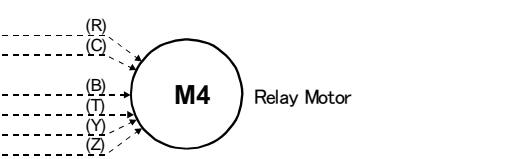
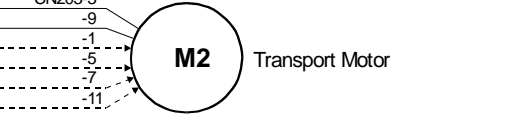
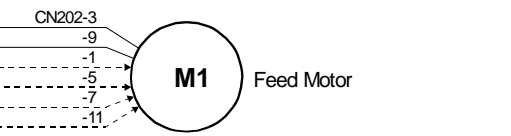
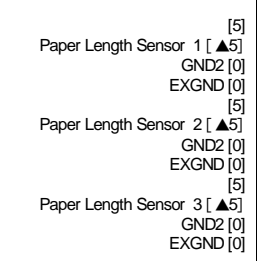
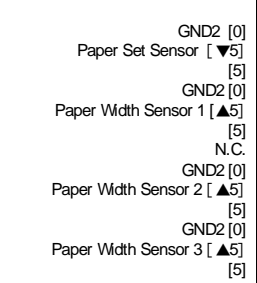
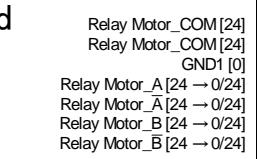
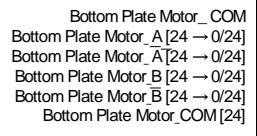
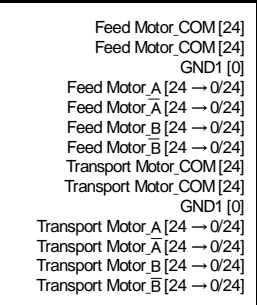
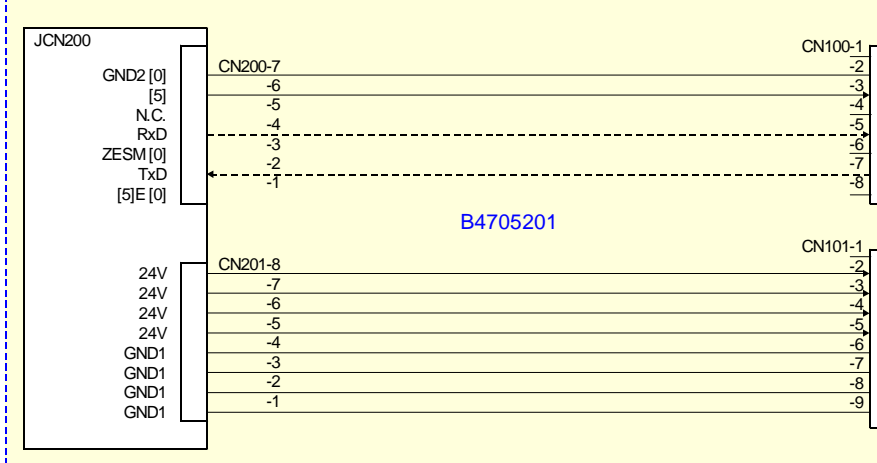
COVER INTERPOSER TRAY (D614) POINT TO POINT DIAGRAM



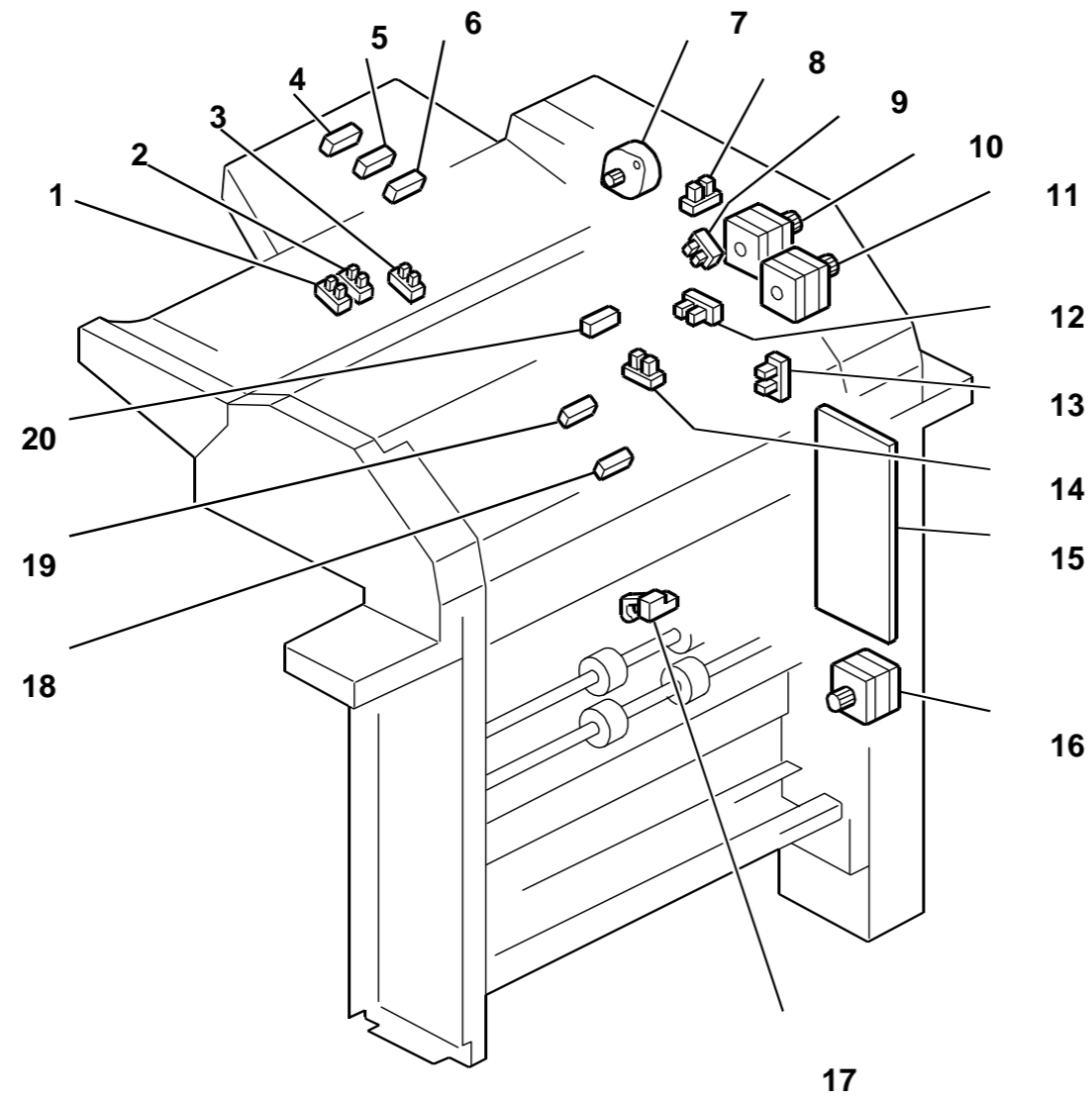
Main Board
<PCB1>

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

Option



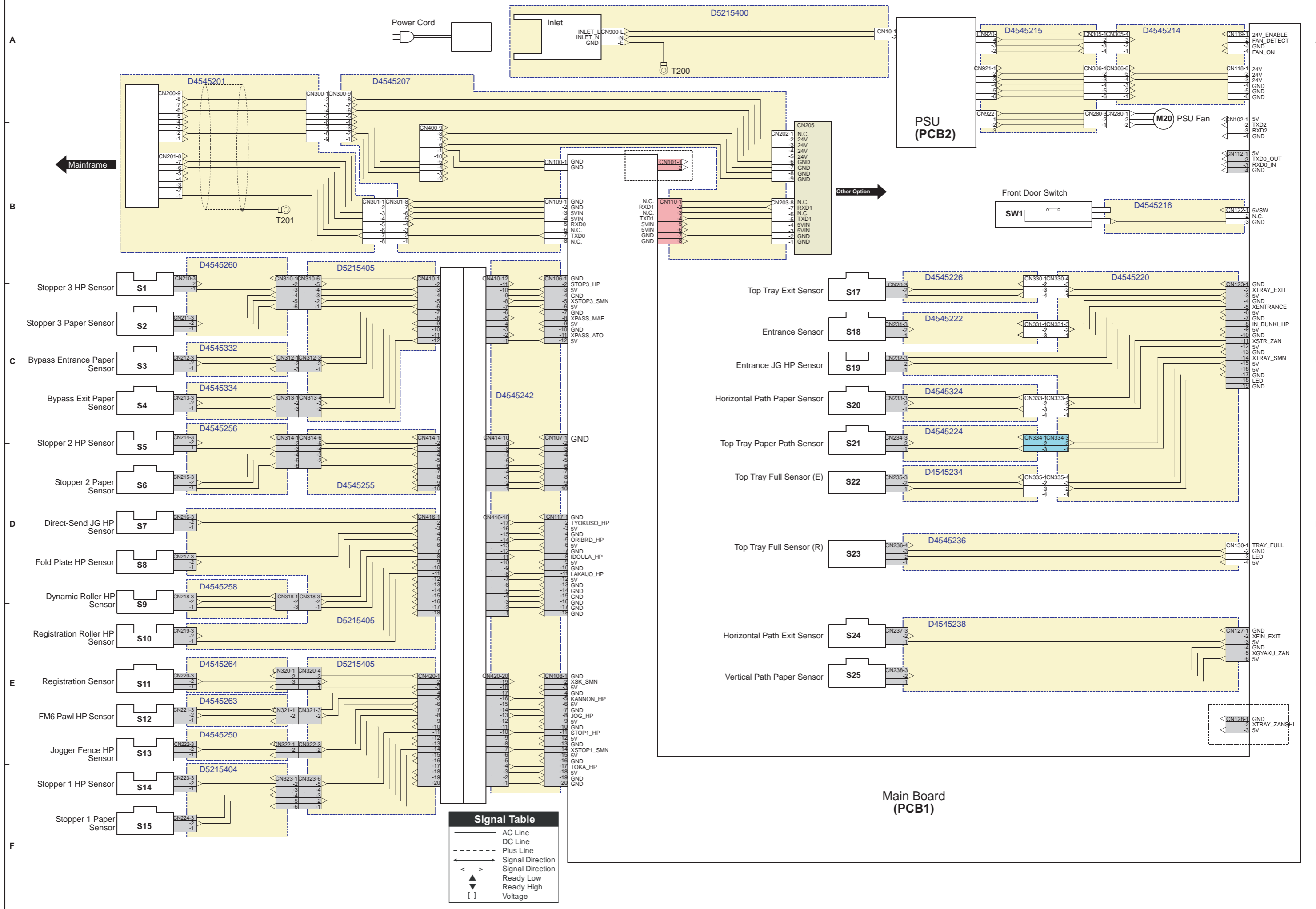
COVER INTERPOSER TRAY (D614) ELECTRICAL COMPONENT LAYOUT



D6140901.wmf

Symbol	Index No.	Description	P to P
Sensors			
S1	8	Cover Set Sensor	C2
S2	9	Bottom Plate Position Sensor	C2
S3	12	Near End Sensor	D2
S4	19	Feed Sensor	D2
S5	14	Bottom Plate HP Sensor	D2
S6	18	Pull-out Sensor	E2
S7	13	Guide Plate Set Sensor	E2
S8	17	Exit Sensor	E2
S9	20	Paper Set Sensor	C8
S10	3	Paper Width Sensor 1	C8
S11	2	Paper Width Sensor 2	D8
S12	1	Paper Width Sensor 3	D8
S13	6	Paper Length Sensor 1	D8
S14	5	Paper Length Sensor 2	E8
S15	4	Paper Length Sensor 3	E8
Motors			
M1	10	Feed Motor	A8
M2	11	Transport Motor	B8
M3	7	Bottom Plate Motor	B8
M4	16	Relay Motor	C8
PCB			
PCB1	15	Main Board	

MULTI FOLDING UNIT (D615) POINT TO POINT DIAGRAM (1/2)



Signal Table	
—	AC Line
—	DC Line
- - - -	Plus Line
→	Signal Direction
←	Signal Direction
<	Ready Low
>	Ready High
▲	Voltage
▼	Voltage
[]	Voltage

Main Board (PCB1)

PSU (PCB2)

Mainframe

Other Option

Front Door Switch
SW1

CN128-1
GND
XTRAY_ZANS-H
5V

CN127-1
GND
XFIN_EXIT
5V
GND
XGYAKU_ZAN
5V

CN122-1
5VSW
N.C.
GND

CN112-1
5V
TXD0_OUT
RXD0_IN
GND

CN119-1
24V_ENABLE
FAN_DETECT
GND
FAN_ON

CN118-1
24V
24V
24V
GND
GND
GND

CN110-1
N.C.
RXD1
N.C.
TXD1
N.C.
5VIN
5VIN
GND
GND

CN101-1
N.C.
RXD1
N.C.
TXD1
N.C.
5VIN
5VIN
GND
GND

CN100-1
GND
GND

CN920-1
24V
24V
24V
GND
GND
GND

CN921-1
24V
24V
24V
GND
GND
GND

CN922-1
24V
24V
24V
GND
GND
GND

CN205-1
N.C.
24V
24V
24V
24V
GND
GND
GND
GND

CN203-8
N.C.
RXD1
N.C.
TXD1
N.C.
5VIN
5VIN
GND
GND

CN202-1
N.C.
24V
24V
24V
24V
GND
GND
GND

CN200-9
24V
24V
24V
GND
GND
GND

CN306-1
24V
24V
24V
GND
GND
GND

CN305-1
24V
24V
24V
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CN306-1
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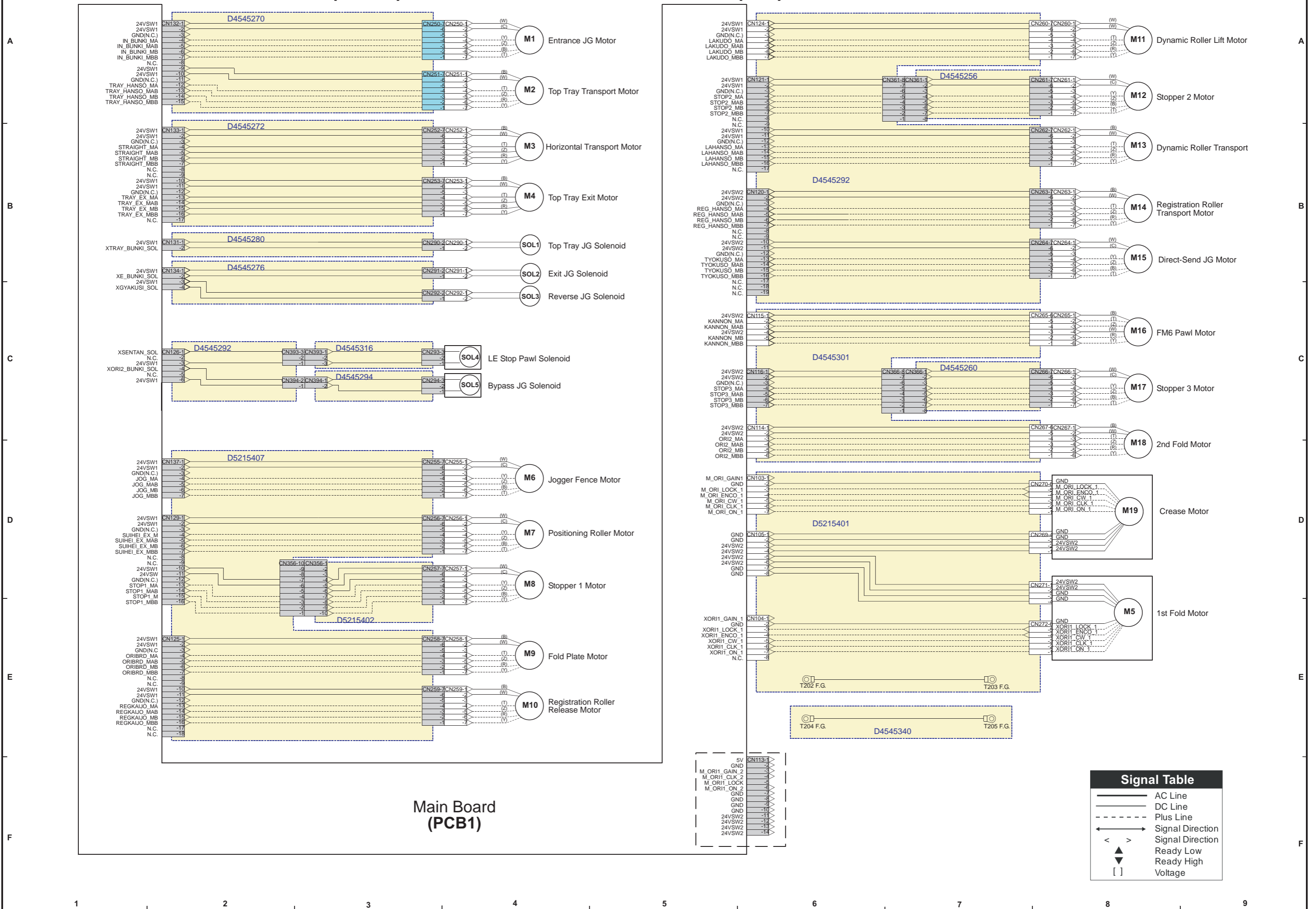
CN306-1
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GND

CN306-1
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GND
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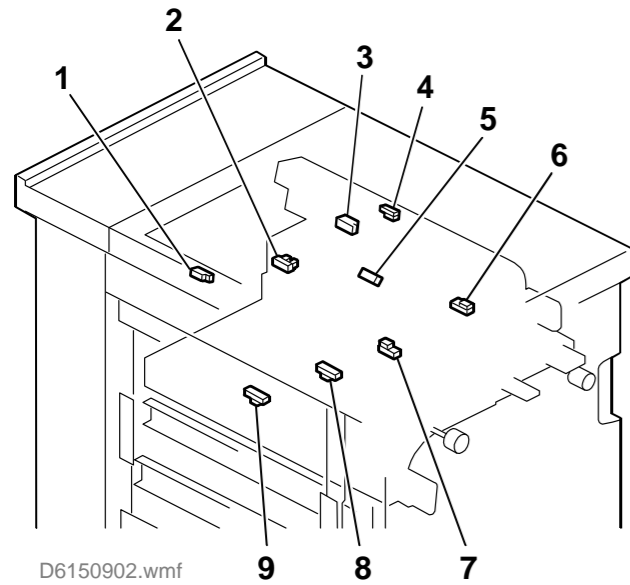
CN306-1
24V
24V
24V
GND
GND
GND

CN306-1
24V
24V
24V
GND
GND
GND

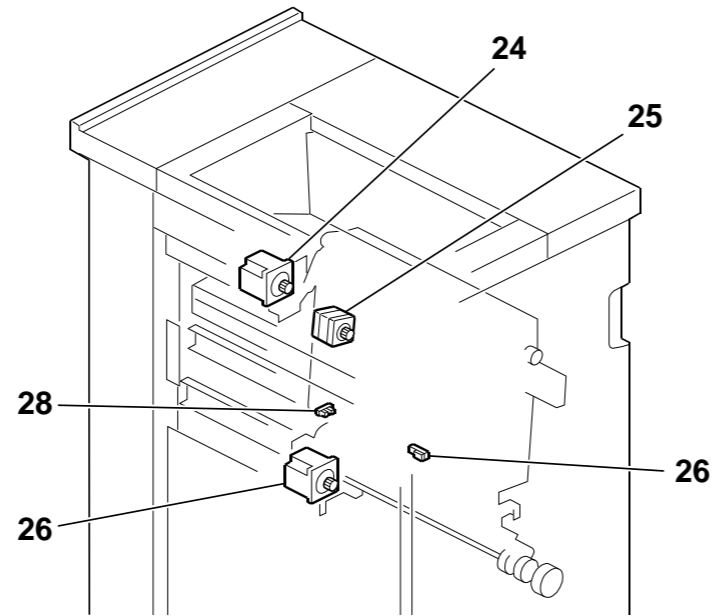
MULTI FOLDING UNIT (D615) POINT TO POINT DIAGRAM (2/2)



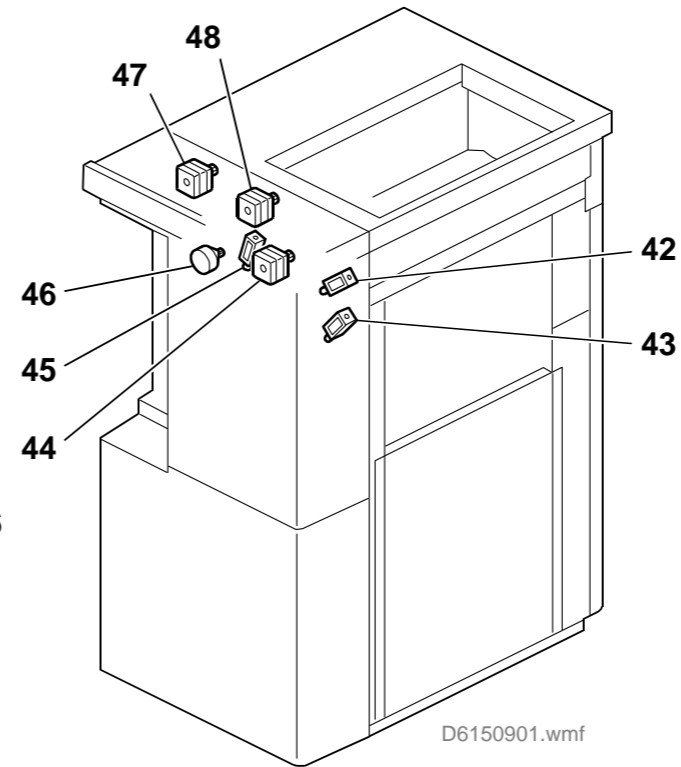
MULTI FOLDING UNIT (D615) ELECTRICAL COMPONENT LAYOUT



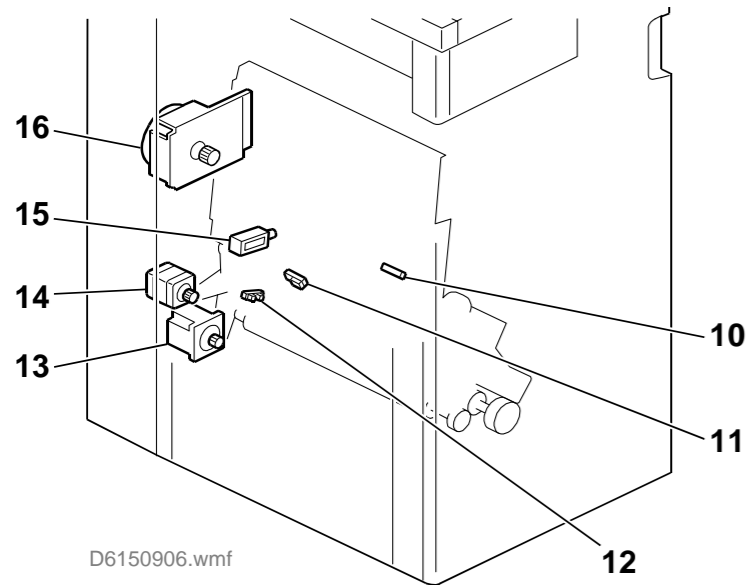
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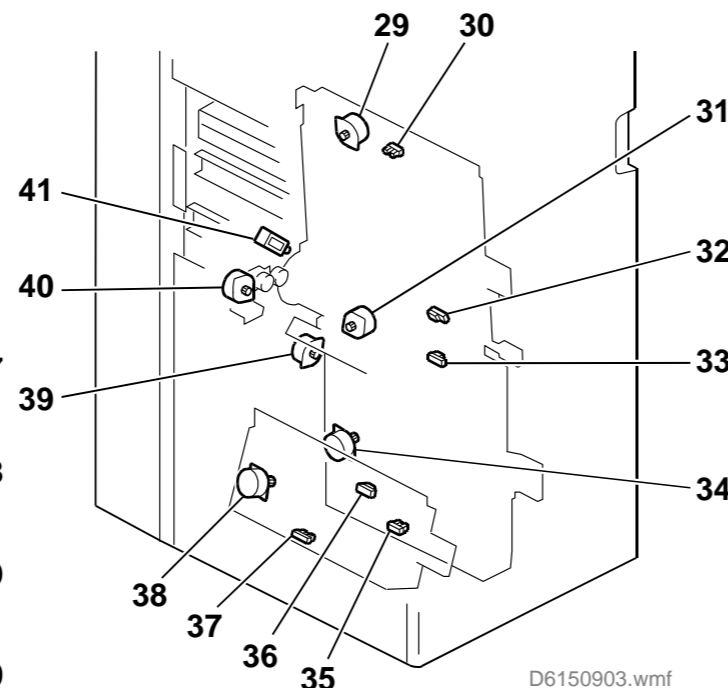
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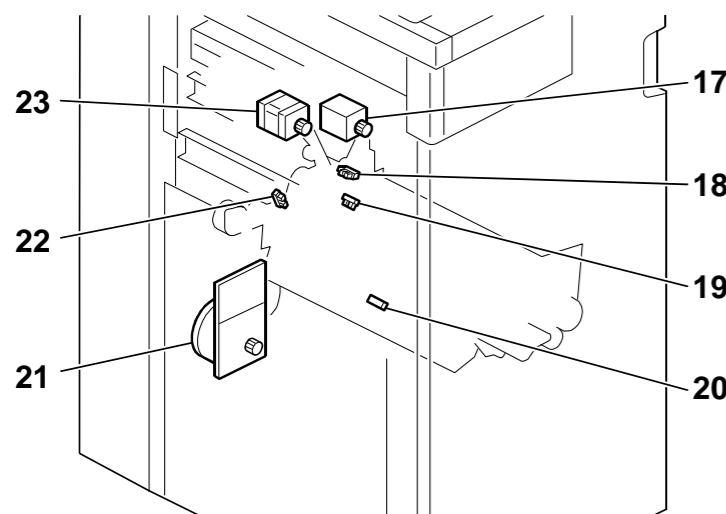
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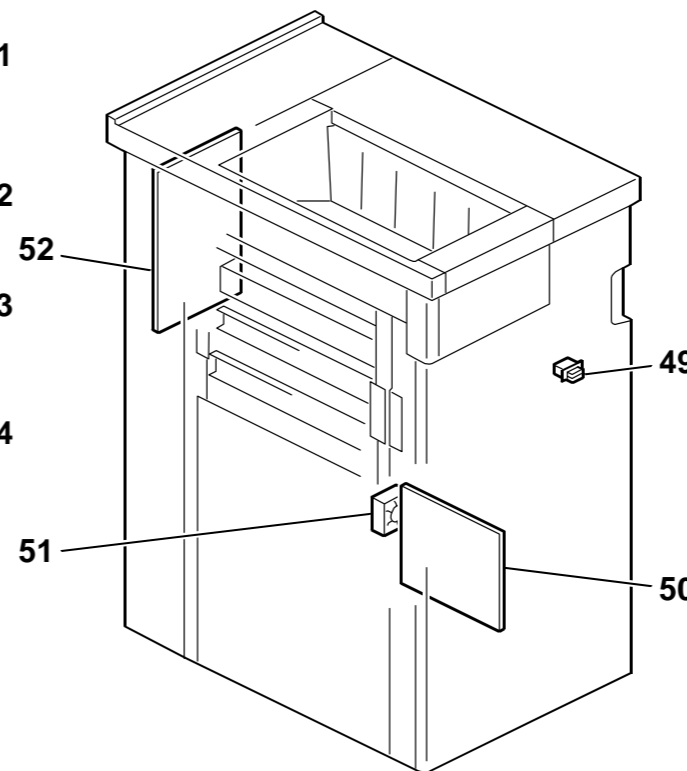
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D6150903.wmf



D6150905.wmf



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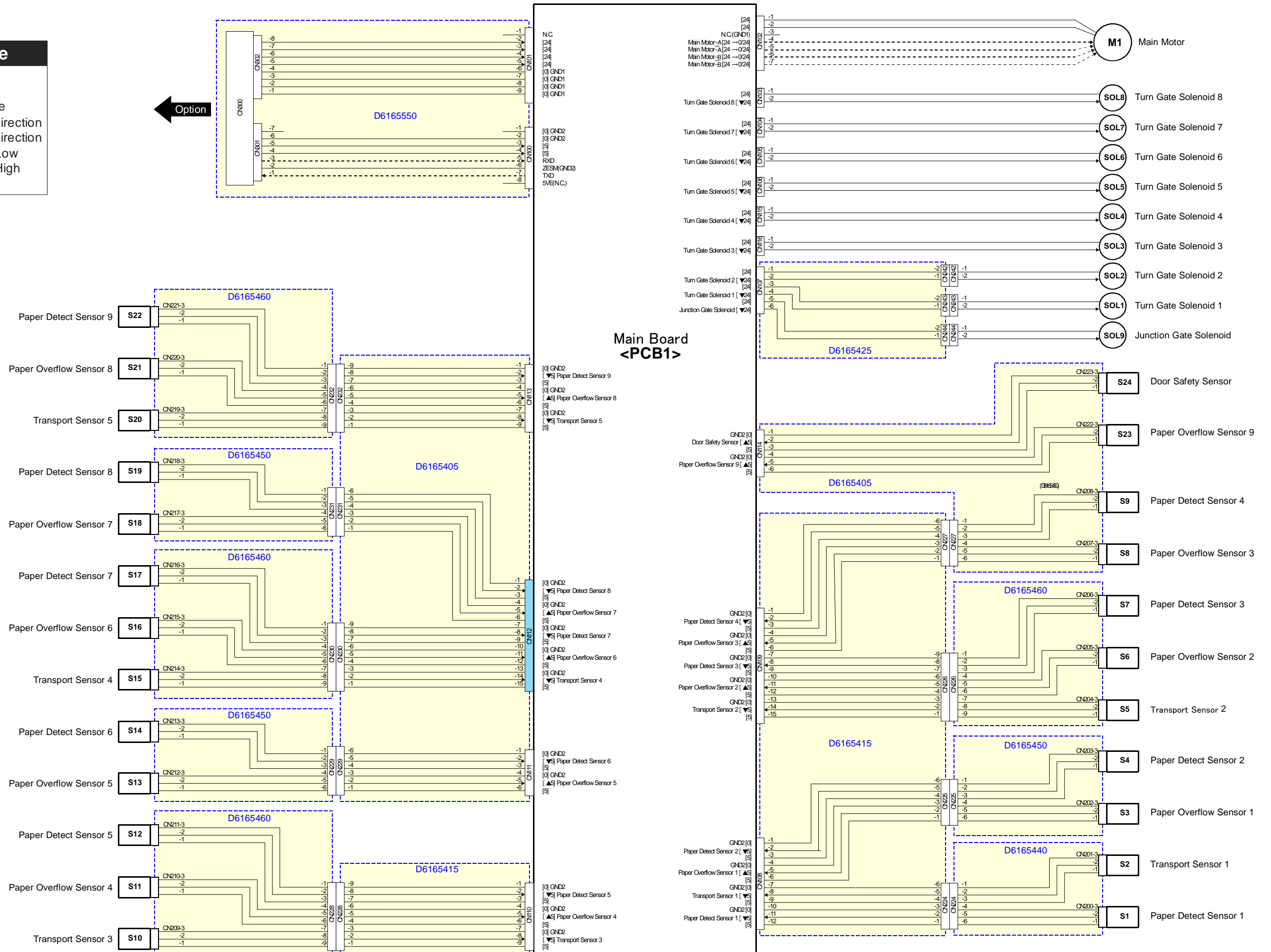
Symbol	Index No.	Description	P to P	Page
Sensors				
S1	37	Stopper 3 HP Sensor	C1	1/2
S2	36	Stopper 3 Paper Sensor	C1	1/2
S3	10	Bypass Entrance Paper Sensor	C1	1/2
S4	11	Bypass Exit Paper Sensor	C1	1/2
S5	30	Stopper 2 HP Sensor	C1-D1	1/2
S6	32	Stopper 2 Paper Sensor	D1	1/2
S7	22	Direct-Send JG HP Sensor	D1	1/2
S8	19	Fold Plate HP Sensor	D1	1/2
S9	28	Dynamic Roller HP Sensor	D1-E1	1/2
S10	12	Registration Roller HP Sensor	E1	1/2
S11	26	Registration Sensor	E1	1/2
S12	20	FM6 Pawl HP Sensor	E1	1/2
S13	18	Jogger Fence HP Sensor	E1	1/2
S14	35	Stopper 1 HP Sensor	F1	1/2
S15	33	Stopper 1 Paper Sensor	F1	1/2
S17	4	Top Tray Exit Sensor	C6	1/2
S18	6	Entrance Sensor	C6	1/2
S19	2	Entrance JG HP Sensor	C6	1/2
S20	7	Horizontal Path Paper Sensor	C6	1/2
S21	5	Top Tray Paper Path Sensor	C6-D6	1/2
S22	3	Top Tray Full Sensor (E)	D6	1/2
S23	1	Top Tray Full Sensor (R)	D6	1/2
S24	9	Horizontal Path Exit Sensor	E6	1/2
S25	8	Vertical Path Paper Sensor	E6	1/2
Motors				
M1	46	Entrance JG Motor	A4	2/2
M2	44	Top Tray Transport Motor	A4	2/2
M3	47	Horizontal Transport Motor	B4	2/2
M4	48	Top Tray Exit Motor	B4	2/2
M5	21	1st Fold Motor	E8	2/2
M6	31	Jogger Fence Motor	D4	2/2
M7	39	Positioning Roller Motor	D4	2/2
M8	34	Stopper 1 Motor	D4	2/2
M9	27	Fold Plate Motor	E4	2/2
M10	17	Registration Roller Release Motor	E4	2/2
M11	24	Dynamic Roller Lift Motor	A8	2/2
M12	29	Stopper 2 Motor	A8	2/2
M13	25	Dynamic Roller Transport	B8	2/2
M14	23	Registration Roller Transport Motor	B8	2/2
M15	40	Direct-Send JG Motor	B8	2/2
M16	14	FM6 Pawl Motor	C8	2/2
M17	38	Stopper 3 Motor	C8	2/2
M18	13	2nd Fold Motor	D8	2/2
M19	16	Crease Motor	D8	2/2
M20	51	PSU Fan Motor	A8	1/2
PCBs				
PCB1	52	Main Board	F7,F4	1/2,2/2
PCB2	50	PSU	A7	1/2
Solenoids				
SOL1	45	Top Tray JG Solenoid	B4	2/2
SOL2	43	Exit JG Solenoid	B4	2/2
SOL3	42	Reverse JG Solenoid	C4	2/2
SOL4	41	LE Stop Pawl Solenoid	C4	2/2
SOL5	15	Bypass JG Solenoid	C4	2/2
Switch				
SW1	49	Front Door Switch	B7	1/2

9-BIN MAILBOX (D616) POINT TO POINT DIAGRAM

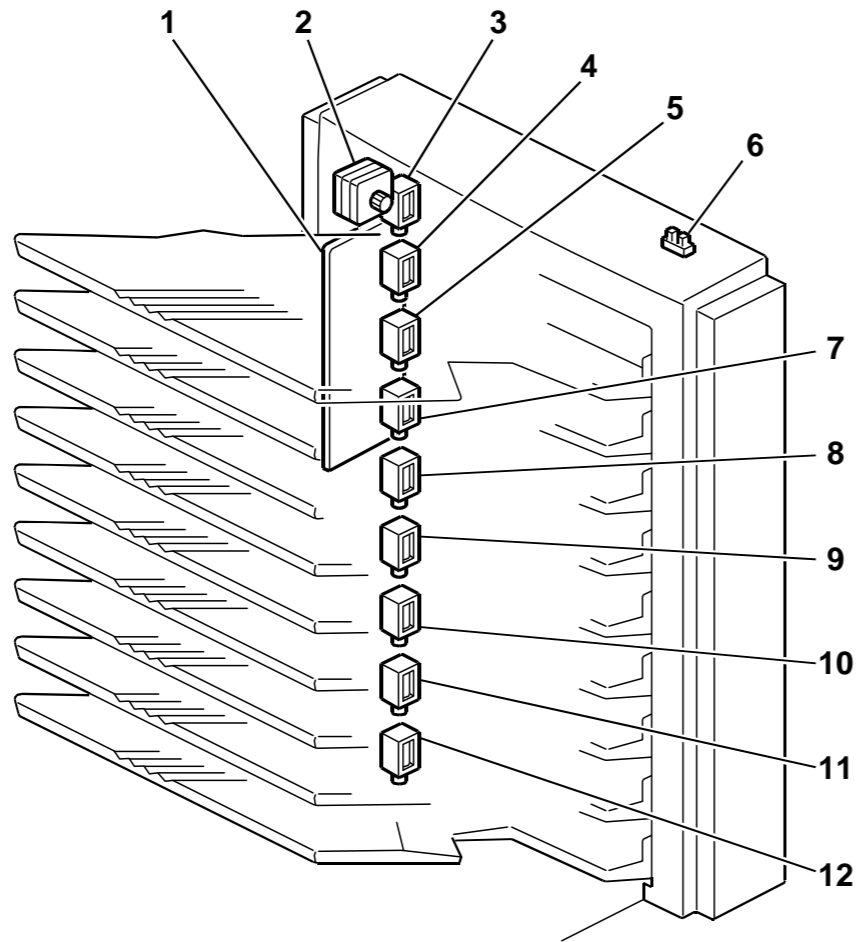
Signal Table

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

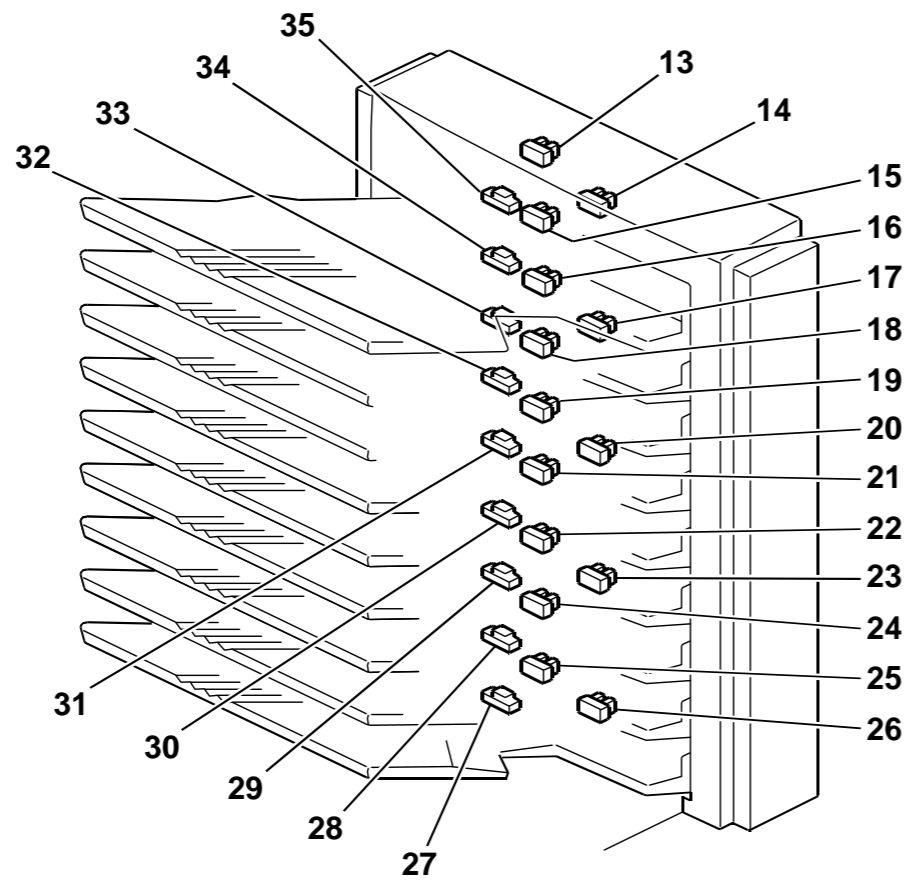
Option



9-BIN MAIL BOX (D616) ELECTRICAL COMPONENT LAYOUT



D6160901.wmf



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Symbol	Index No.	Description	P to P
Sensors			
S1	35	Paper Detect Sensor 1	F8
S2	26	Transport Sensor 1	E8
S3	13	Paper Overflow Sensor 1	E8
S4	34	Paper Detect Sensor 2	E8
S5	23	Transport Sensor 2	E8
S6	15	Paper Overflow Sensor 2	D8
S7	33	Paper Detect Sensor 3	D8
S8	16	Paper Overflow Sensor 3	D8
S9	32	Paper Detect Sensor 4	D8
S10	20	Transport Sensor 3	F2
S11	18	Paper Overflow Sensor 4	F2
S12	31	Paper Detect Sensor 5	E2
S13	19	Paper Overflow Sensor 5	E2
S14	30	Paper Detect Sensor 6	E2
S15	17	Transport Sensor 4	D2
S16	21	Paper Overflow Sensor 6	D2
S17	29	Paper Detect Sensor 7	D2
S18	22	Paper Overflow Sensor 7	D2
S19	28	Paper Detect Sensor 8	C2
S20	14	Transport Sensor 5	C2
S21	24	Paper Overflow Sensor 8	C2
S22	27	Paper Detect Sensor 9	C2
S23	25	Paper Overflow Sensor 9	C8
S24	6	Door Safety Sensor	C8
Motor			
M1	2	Main Motor	A8
PCB			
PCB1	1	Main Board	C5
Solenoids			
SOL1	3	Turn Gate Solenoid 1	C8
SOL2	4	Turn Gate Solenoid 2	B8
SOL3	5	Turn Gate Solenoid 3	B8
SOL4	7	Turn Gate Solenoid 4	B8
SOL5	8	Turn Gate Solenoid 5	B8
SOL6	9	Turn Gate Solenoid 6	B8
SOL7	10	Turn Gate Solenoid 8	B8
SOL8	11	Turn Gate Solenoid 8	B8
SOL9	12	Junction Gate Solenoid	C8