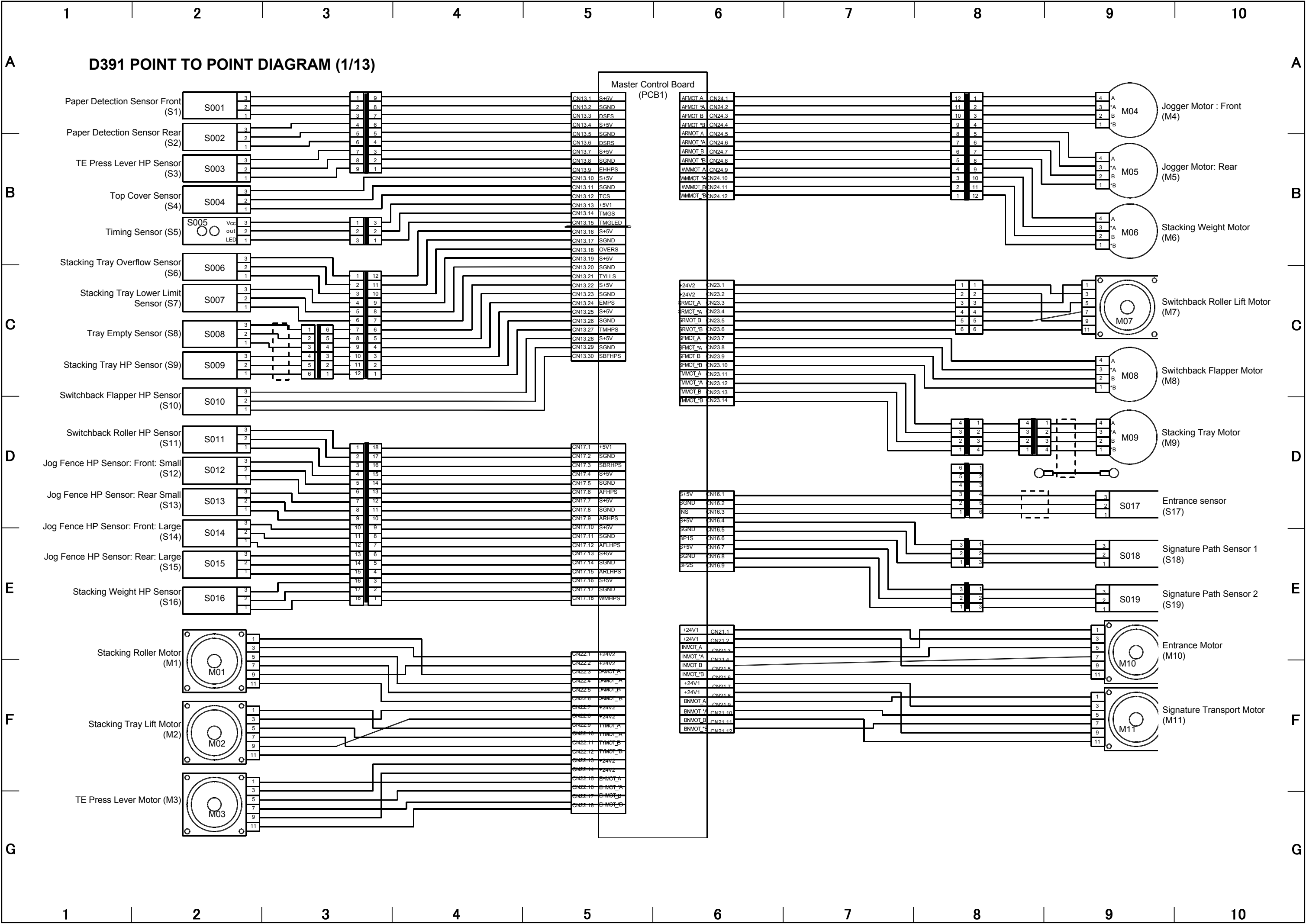
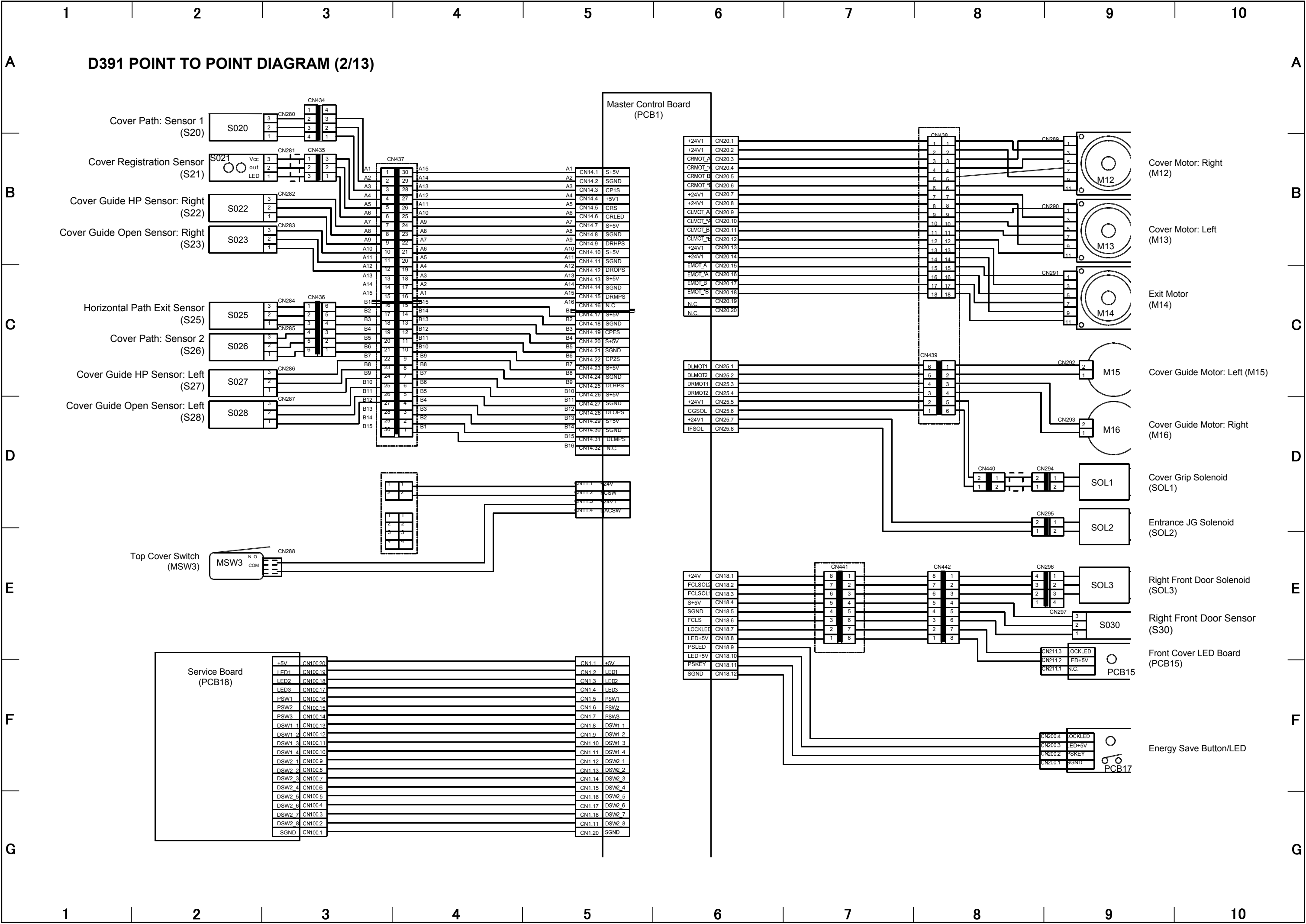
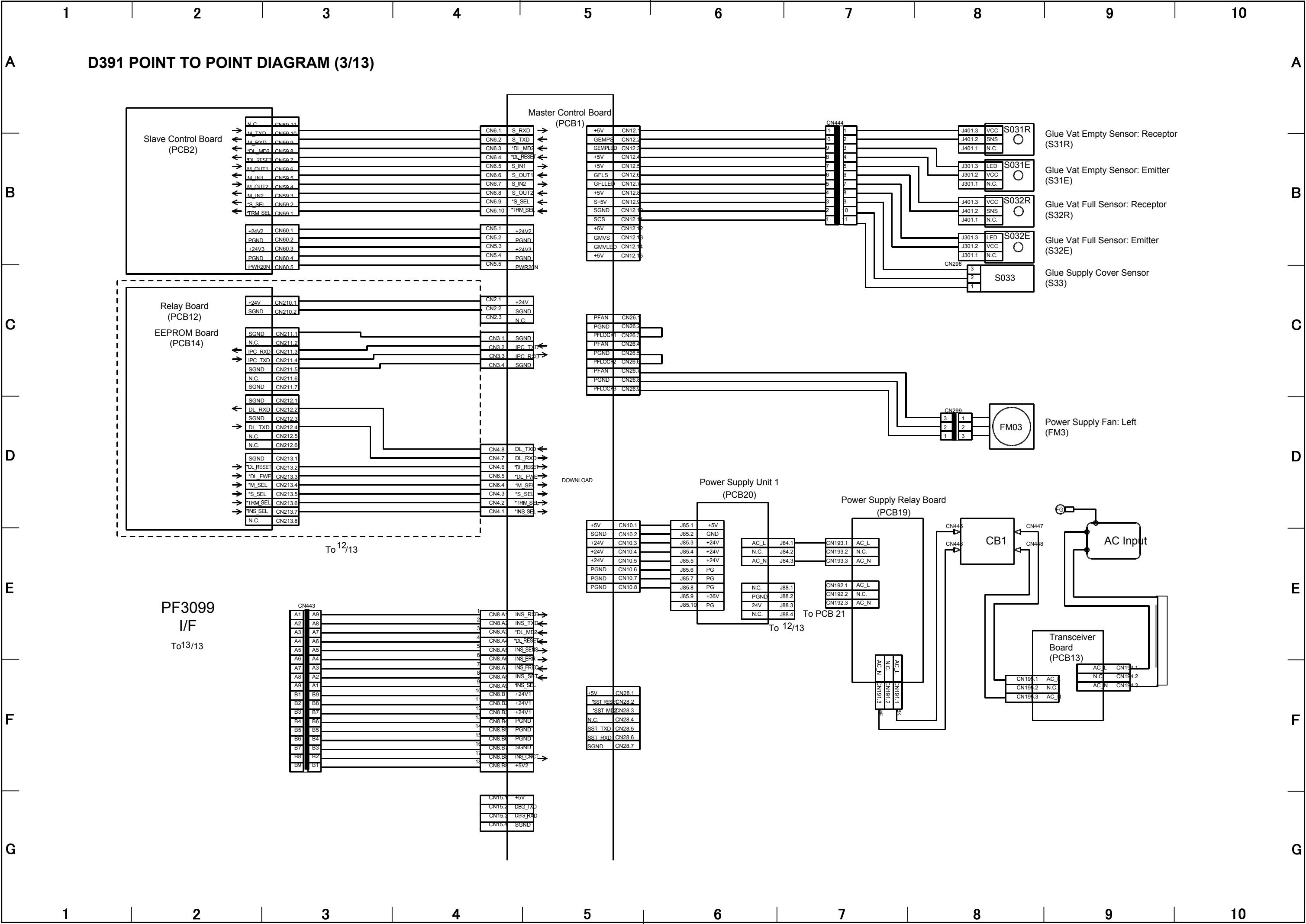








D391 POINT TO POINT DIAGRAM (4/13)

Slave Control Board (PCB2)

Sub Grip Relay Board 4 (PCB10)

Sub Grip Relay Board 2 (PCB8)

Sub Grip Relay Board 3 (PCB9)

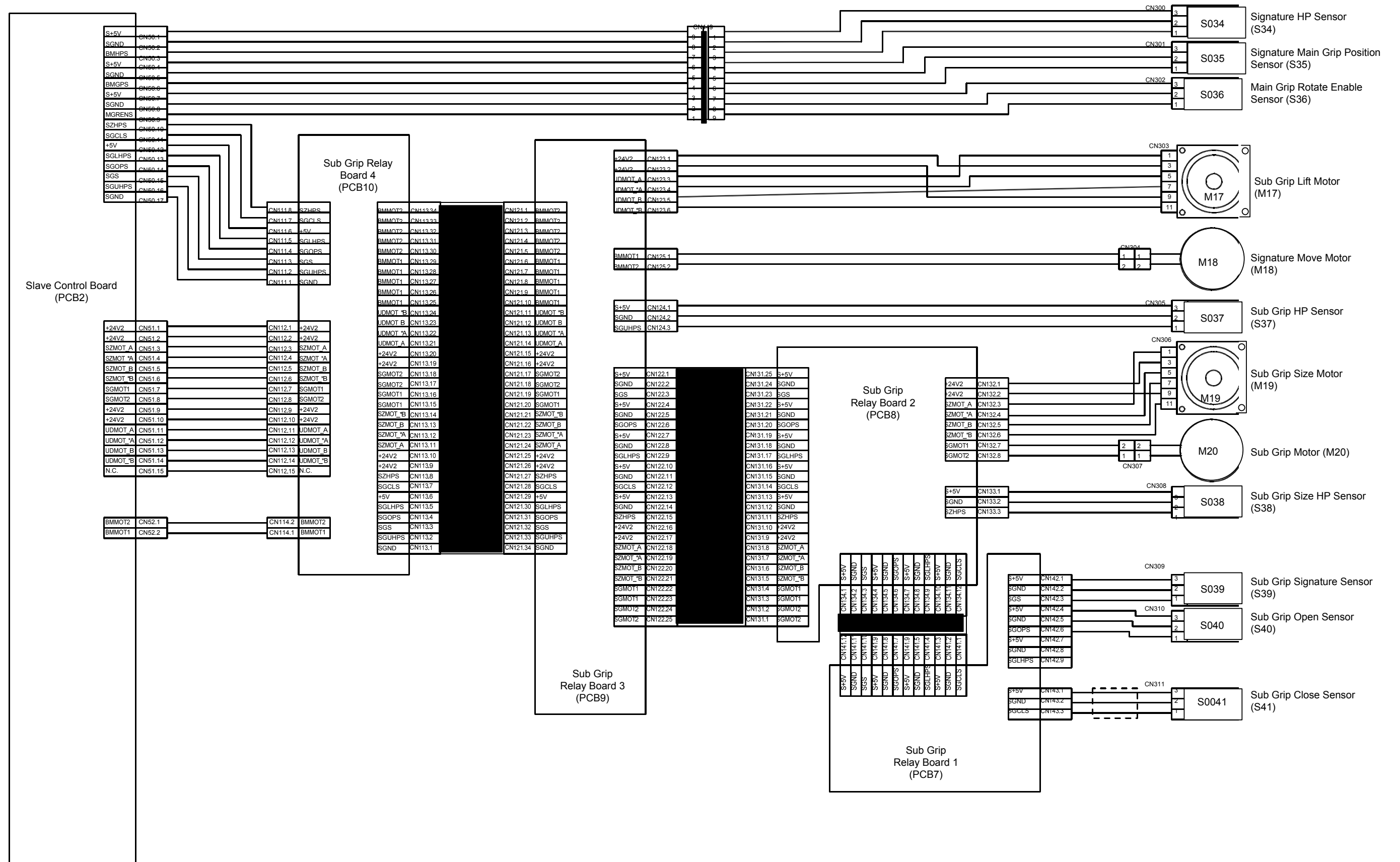
Sub Grip Relay Board 1 (PCB7)

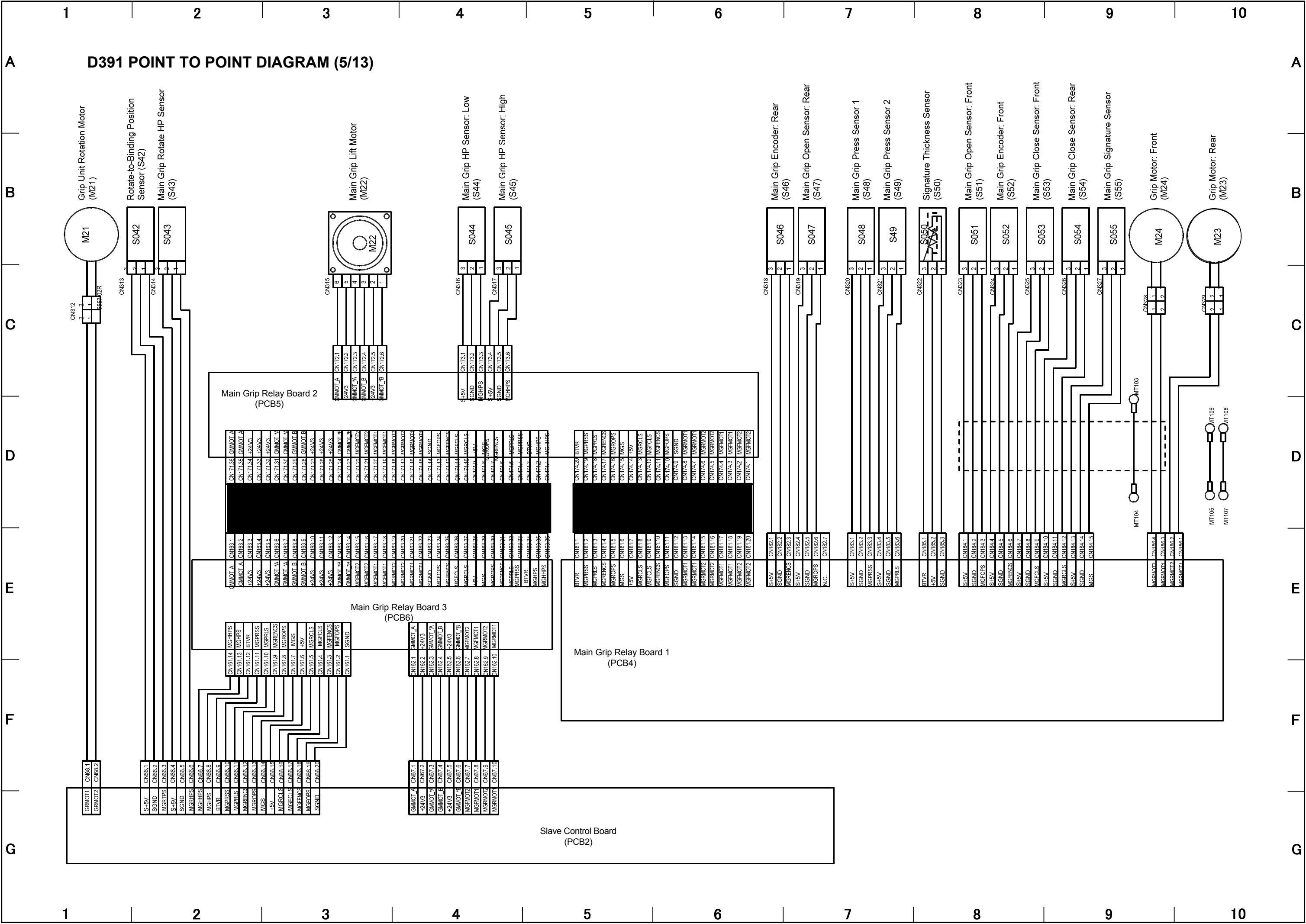
Sensors and Motors:

- S034: Signature HP Sensor (S34)
- S035: Signature Main Grip Position Sensor (S35)
- S036: Main Grip Rotate Enable Sensor (S36)
- M17: Sub Grip Lift Motor (M17)
- M18: Signature Move Motor (M18)
- S037: Sub Grip HP Sensor (S37)
- M19: Sub Grip Size Motor (M19)
- M20: Sub Grip Motor (M20)
- S038: Sub Grip Size HP Sensor (S38)
- S039: Sub Grip Signature Sensor (S39)
- S040: Sub Grip Open Sensor (S40)
- S0041: Sub Grip Close Sensor (S41)

Connectors:

- CN50.1 - CN50.17
- CN51.1 - CN51.15
- CN52.1 - CN52.2
- CN111.1 - CN111.15
- CN112.1 - CN112.15
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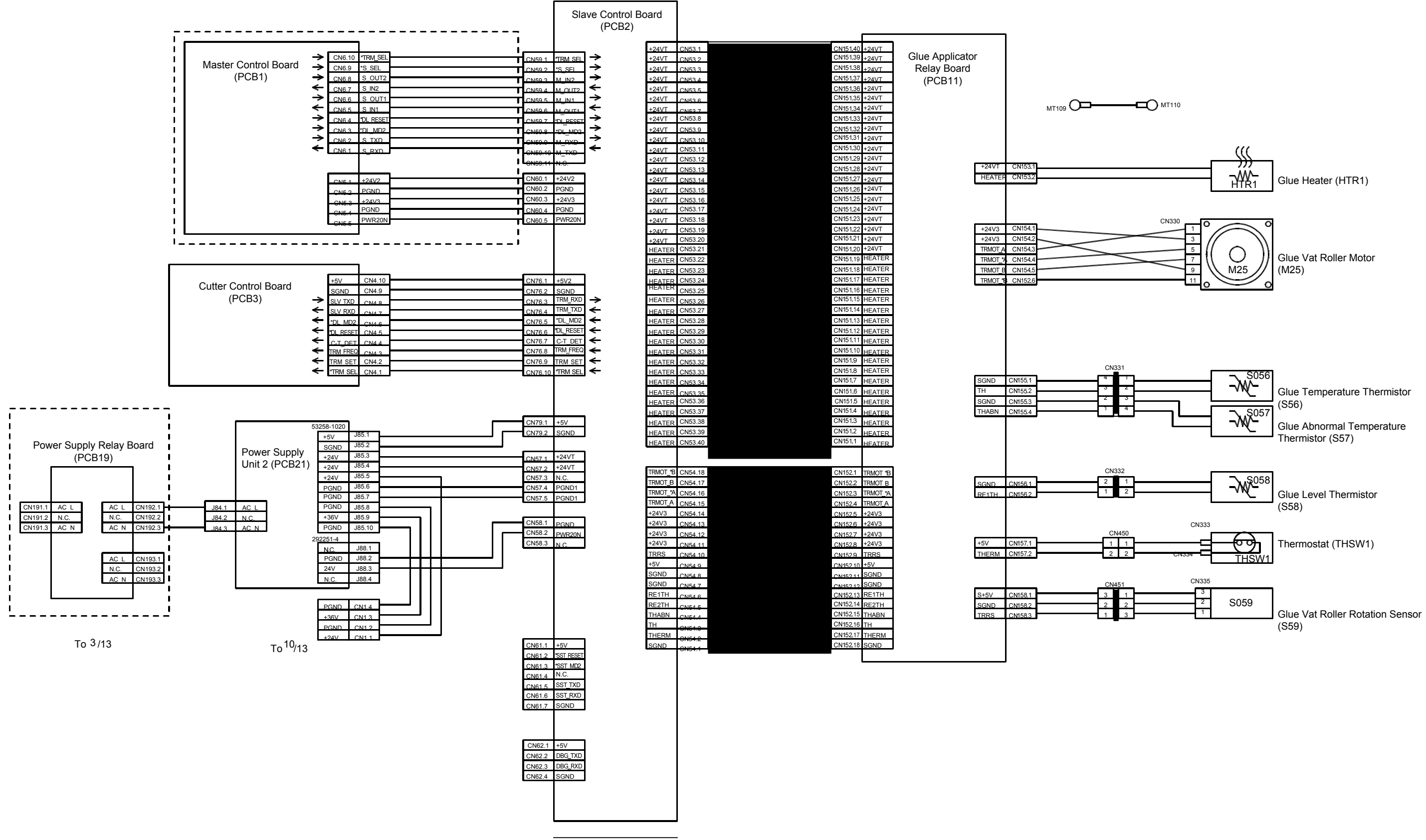


D391 POINT TO POINT DIAGRAM (6/13)

The diagram illustrates the electrical connections for the D391 system, organized into several main sections:

- Master Control Board (PCB1):** Contains various control signals and power inputs. Key connections include:
 - Signal lines: CN6.10 (TRM_SEL), CN6.9 (*S_SEL), CN6.8 (S_OUT2), CN6.7 (S_IN2), CN6.6 (S_OUT1), CN6.5 (S_IN1), CN6.4 (DL_RESET), CN6.3 (DL_MD2), CN6.2 (S_TXD), CN6.1 (S_RXD).
 - Power lines: CN6.1 (+24V2), CN6.2 (PGND), CN6.3 (+24V3), CN6.4 (PGND), CN6.5 (PWR20N).
- Slave Control Board (PCB2):** Receives signals from PCB1 and controls various actuators. Key connections include:
 - Signal lines: CN59.1 (TRM_SEL), CN59.2 (*S_SEL), CN59.3 (M_IN2), CN59.4 (M_OUT2), CN59.5 (M_IN1), CN59.6 (M_OUT1), CN59.7 (DL_RESET), CN59.8 (DL_MD2), CN59.9 (M_RXD), CN59.10 (M_TXD), CN59.11 (N.C.).
 - Power lines: CN60.1 (+24V2), CN60.2 (PGND), CN60.3 (+24V3), CN60.4 (PGND), CN60.5 (PWR20N).
- Cutter Control Board (PCB3):** Controls the cutter. Key connections include:
 - Signal lines: CN4.10 (+5V), CN4.9 (SGND), CN4.8 (SLV_TXD), CN4.7 (SLV_RXD), CN4.6 (*DL_MD2), CN4.5 (DL_RESET), CN4.4 (C-T_DET), CN4.3 (TRM_FREQ), CN4.2 (TRM_SET), CN4.1 (*TRM_SEL).
 - Power lines: CN76.1 (+5V2), CN76.2 (SGND), CN76.3 (TRM_RXD), CN76.4 (TRM_TXD), CN76.5 (*DL_MD2), CN76.6 (DL_RESET), CN76.7 (C-T_DET), CN76.8 (TRM_FREQ), CN76.9 (TRM_SET), CN76.10 (*TRM_SEL).
- Power Supply Relay Board (PCB19):** Manages power distribution. Key connections include:
 - AC lines: CN191.1 (AC L), CN191.2 (N.C.), CN191.3 (AC N).
 - AC lines: CN192.1 (AC L), CN192.2 (N.C.), CN192.3 (AC N).
 - AC lines: CN193.1 (AC L), CN193.2 (N.C.), CN193.3 (AC N).
- Power Supply Unit 2 (PCB21):** Provides power to the system. Key connections include:
 - Power lines: J85.1 (+5V), J85.2 (SGND), J85.3 (+24V), J85.4 (+24V), J85.5 (+24V), J85.6 (PGND), J85.7 (PGND), J85.8 (PGND), J85.9 (+36V), J85.10 (PGND).
 - Power lines: J88.1 (N.C.), J88.2 (PGND), J88.3 (24V), J88.4 (N.C.).
 - Power lines: CN1.4 (PGND), CN1.3 (+36V), CN1.2 (PGND), CN1.1 (+24V).
- Glue Applicator Relay Board (PCB11):** Controls the glue application process. Key connections include:
 - Power lines: CN153.1 (+24V), CN153.2 (HEATER), CN153.3 (+24V), CN153.4 (+24V), CN153.5 (+24V), CN153.6 (+24V), CN153.7 (+24V), CN153.8 (+24V), CN153.9 (+24V), CN153.10 (+24V), CN153.11 (+24V), CN153.12 (+24V), CN153.13 (+24V), CN153.14 (+24V), CN153.15 (+24V), CN153.16 (+24V), CN153.17 (+24V), CN153.18 (+24V), CN153.19 (+24V), CN153.20 (HEATER), CN153.21 (HEATER), CN153.22 (HEATER), CN153.23 (HEATER), CN153.24 (HEATER), CN153.25 (HEATER), CN153.26 (HEATER), CN153.27 (HEATER), CN153.28 (HEATER), CN153.29 (HEATER), CN153.30 (HEATER), CN153.31 (HEATER), CN153.32 (HEATER), CN153.33 (HEATER), CN153.34 (HEATER), CN153.35 (HEATER), CN153.36 (HEATER), CN153.37 (HEATER), CN153.38 (HEATER), CN153.39 (HEATER), CN153.40 (HEATER).
 - Power lines: CN152.1 (TRMOT_B), CN152.2 (TRMOT_B), CN152.3 (TRMOT_A), CN152.4 (TRMOT_A), CN152.5 (+24V3), CN152.6 (+24V3), CN152.7 (+24V3), CN152.8 (+24V3), CN152.9 (TRRS), CN152.10 (+5V), CN152.11 (SGND), CN152.12 (SGND), CN152.13 (RE1TH), CN152.14 (RE2TH), CN152.15 (THABN), CN152.16 (TH), CN152.17 (THERM), CN152.18 (SGND).
- Other Components:**
 - Glue Heater (HTR1):** Connected to CN153.1 (+24V) and CN153.2 (HEATER).
 - Glue Vat Roller Motor (M25):** Connected to CN154.1 (+24V3), CN154.2 (+24V3), CN154.3 (TRMOT_A), CN154.4 (TRMOT_A), CN154.5 (TRMOT_B), CN154.6 (TRMOT_B).
 - Glue Temperature Thermistor (S56):** Connected to CN155.1 (SGND), CN155.2 (TH), CN155.3 (SGND), CN155.4 (THABN).
 - Glue Abnormal Temperature Thermistor (S57):** Connected to CN155.1 (SGND), CN155.2 (TH), CN155.3 (SGND), CN155.4 (THABN).
 - Glue Level Thermistor (S58):** Connected to CN156.1 (SGND), CN156.2 (RE1TH).
 - Thermostat (THSW1):** Connected to CN157.1 (+5V), CN157.2 (THERM).
 - Glue Vat Roller Rotation Sensor (S59):** Connected to CN158.1 (+5V), CN158.2 (SGND), CN158.3 (TRRS).

The diagram also includes various other components and connections, such as the Power Supply Unit 1 (PCB20), the Glue Vat Roller Motor (M25), and the Glue Vat Roller Rotation Sensor (S59).



D391 POINT TO POINT DIAGRAM (7/13)

Slave Control Board (PCB2)

Row A: Spine Plate HP Sensor: Left (S60), Spine Fold Close Sensor: Left (S61), Spine Plate Open Sensor (S62), Spine Plate Close Sensor (S63), Book Exit Sensor: Emitter (S64E), Leading Edge Sensor: Emitter (S65E).

Row B: Spine Plate HP Sensor: Right (S66), Signature Exit Path HP Sensor (S67), Signature Path Exit Press Sensor (S68), Spine Fold Close Sensor: Right (S69).

Row C: Book Exit Sensor: Receptor (S64R), Leading Edge Sensor: Receptor (S65R).

Row D: Registration Unit HP Sensor (S70), Cover Horizontal Registration Sensor: Small (S71), Cover Horizontal Registration Sensor: Large (S72).

Row E: Glue Vat HP Sensor (S73), Glue Vat HP Sensor: Front (S74).

Row F: Spine Plate Motor (M26).

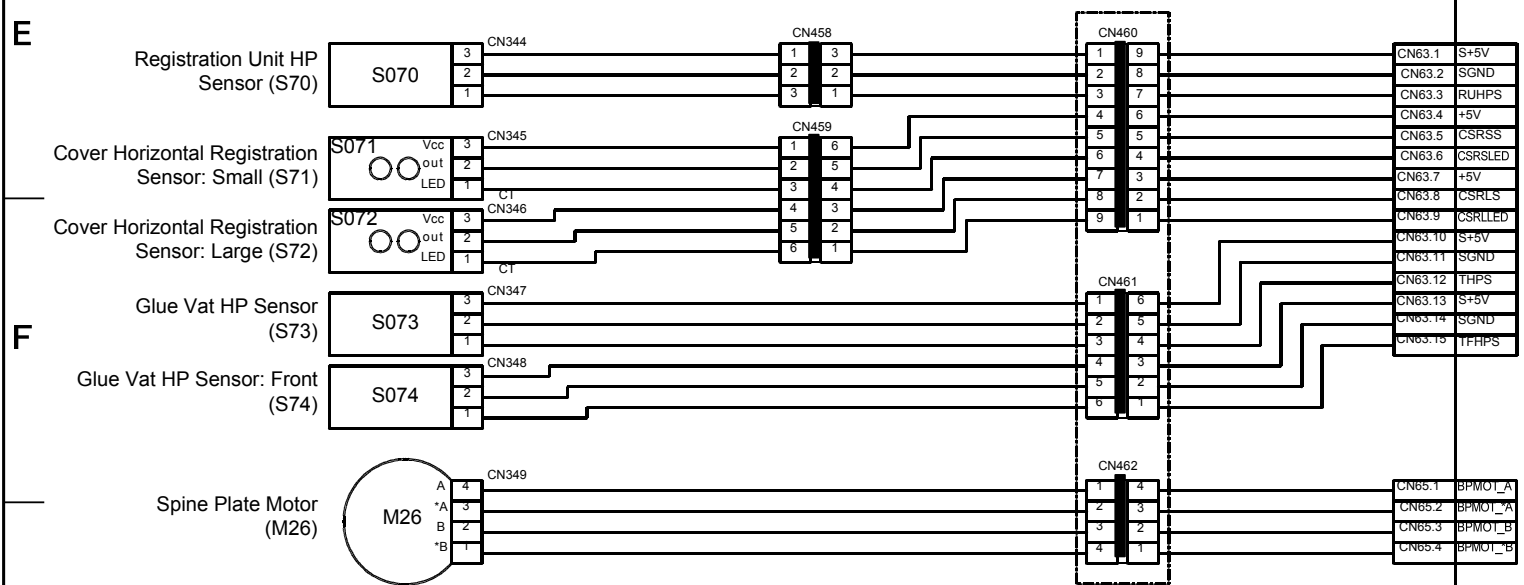
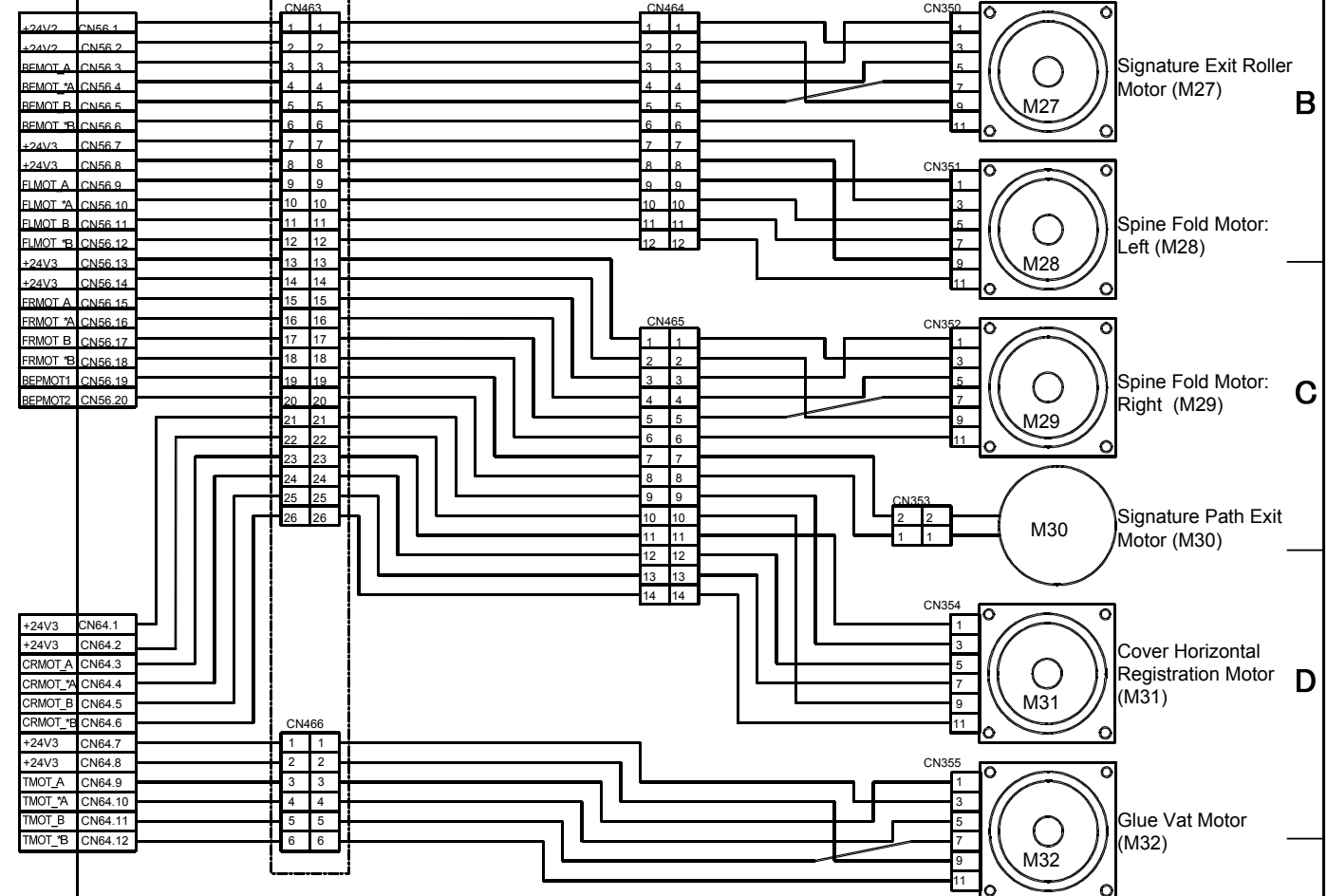
Row G: Signature Exit Roller Motor (M27), Spine Fold Motor: Left (M28), Spine Fold Motor: Right (M29), Signature Path Exit Motor (M30), Cover Horizontal Registration Motor (M31), Glue Vat Motor (M32).

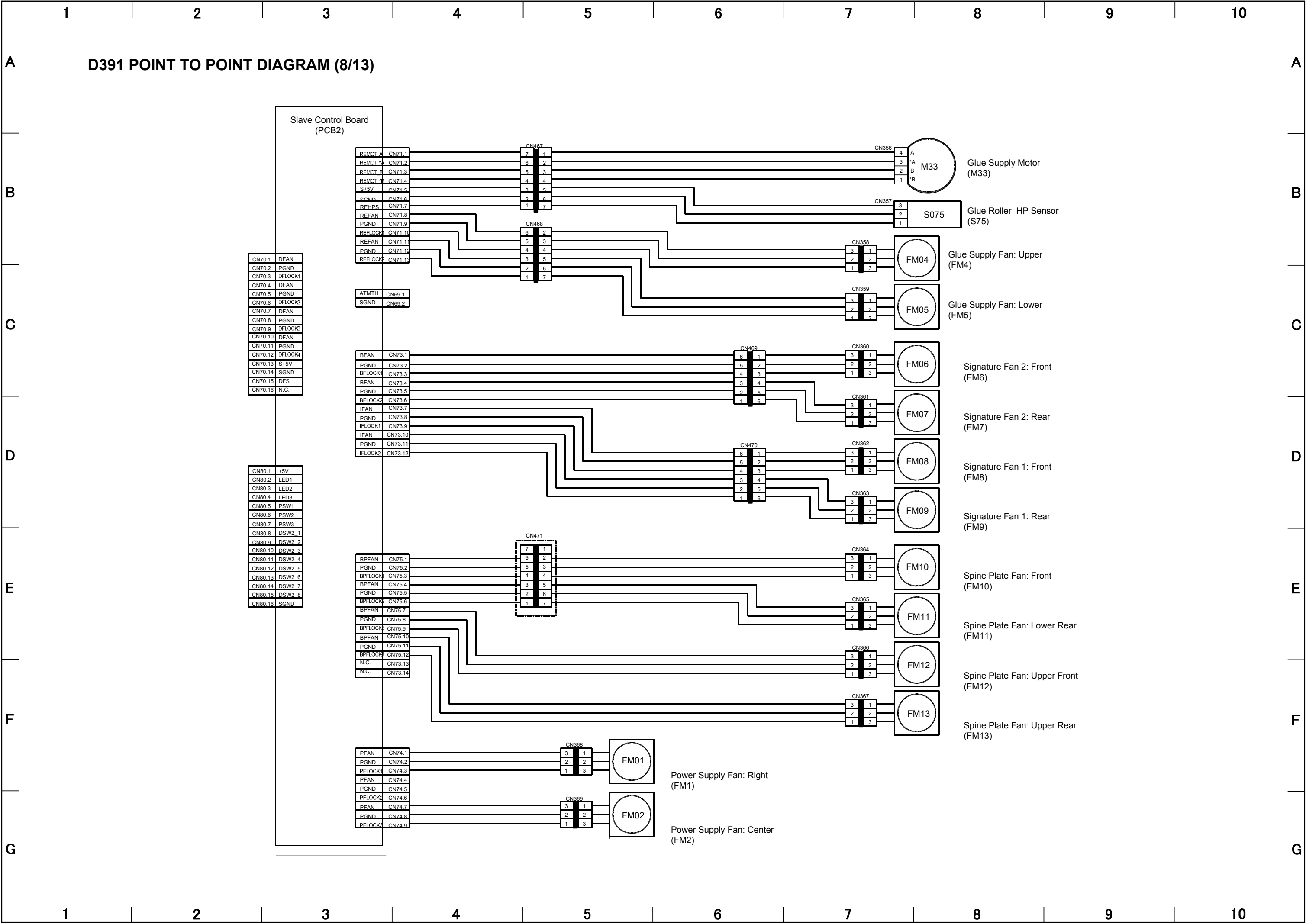
Connections: The diagram shows a complex network of wires connecting various components. Key connection points include:

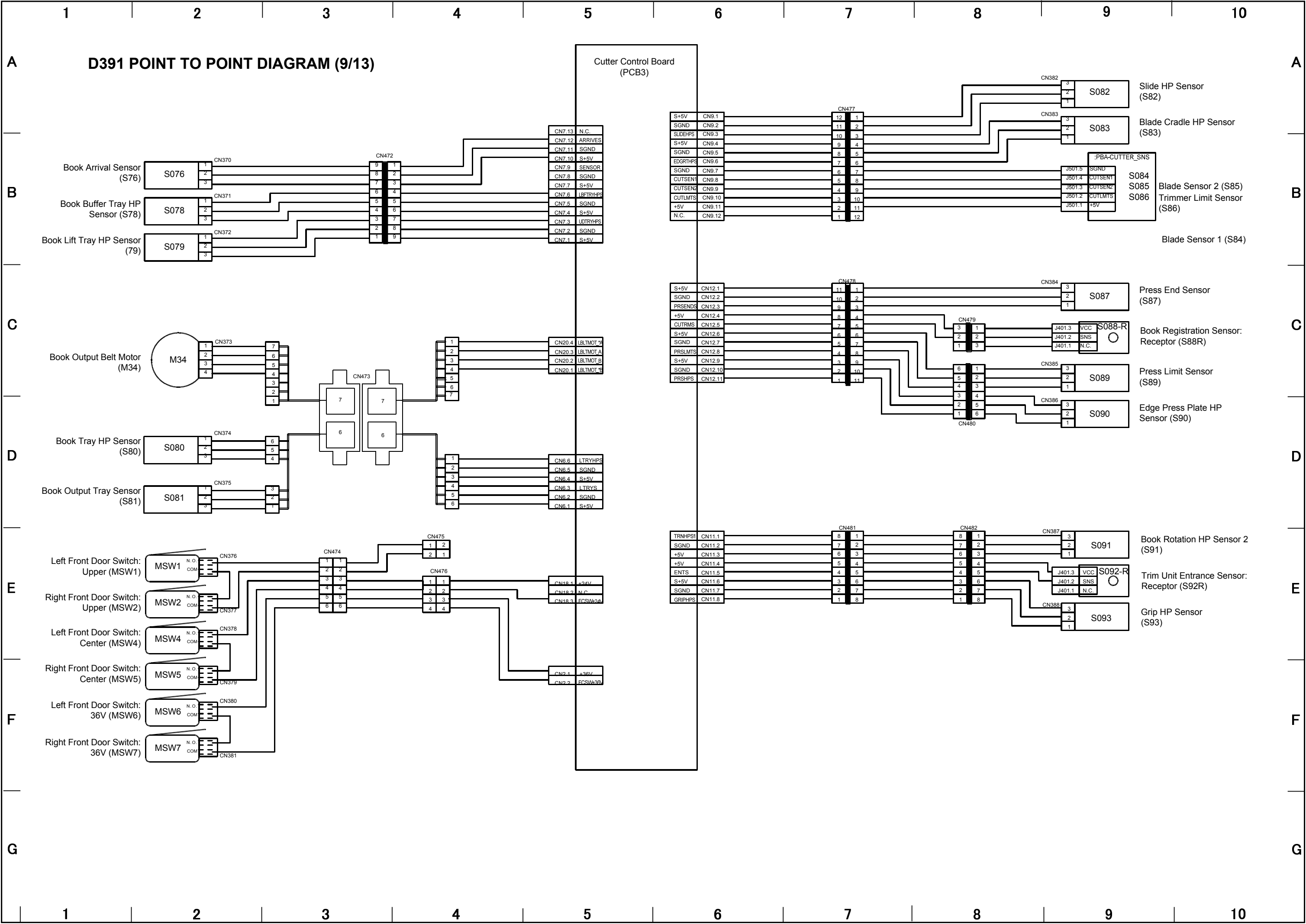
- Row A:** S60 (CN336), S61 (CN337, CN452), S62 (CN338), S63 (CN339), S64E (J301.3, J301.2, J301.1), S65E (J301.3, J301.2, J301.1).
- Row B:** S66 (CN340), S67 (CN341), S68 (CN342, CN453), S69 (CN343, CN454).
- Row C:** S64R (J401.3, J401.2, J401.1), S65R (J401.3, J401.2, J401.1).
- Row D:** S70 (CN344), S71 (CN345), S72 (CN346).
- Row E:** S73 (CN347), S74 (CN348).
- Row F:** M26 (CN349).
- Row G:** M27 (CN350), M28 (CN351), M29 (CN352), M30 (CN353), M31 (CN354), M32 (CN355).

Slave Control Board (PCB2) Pin Headers:

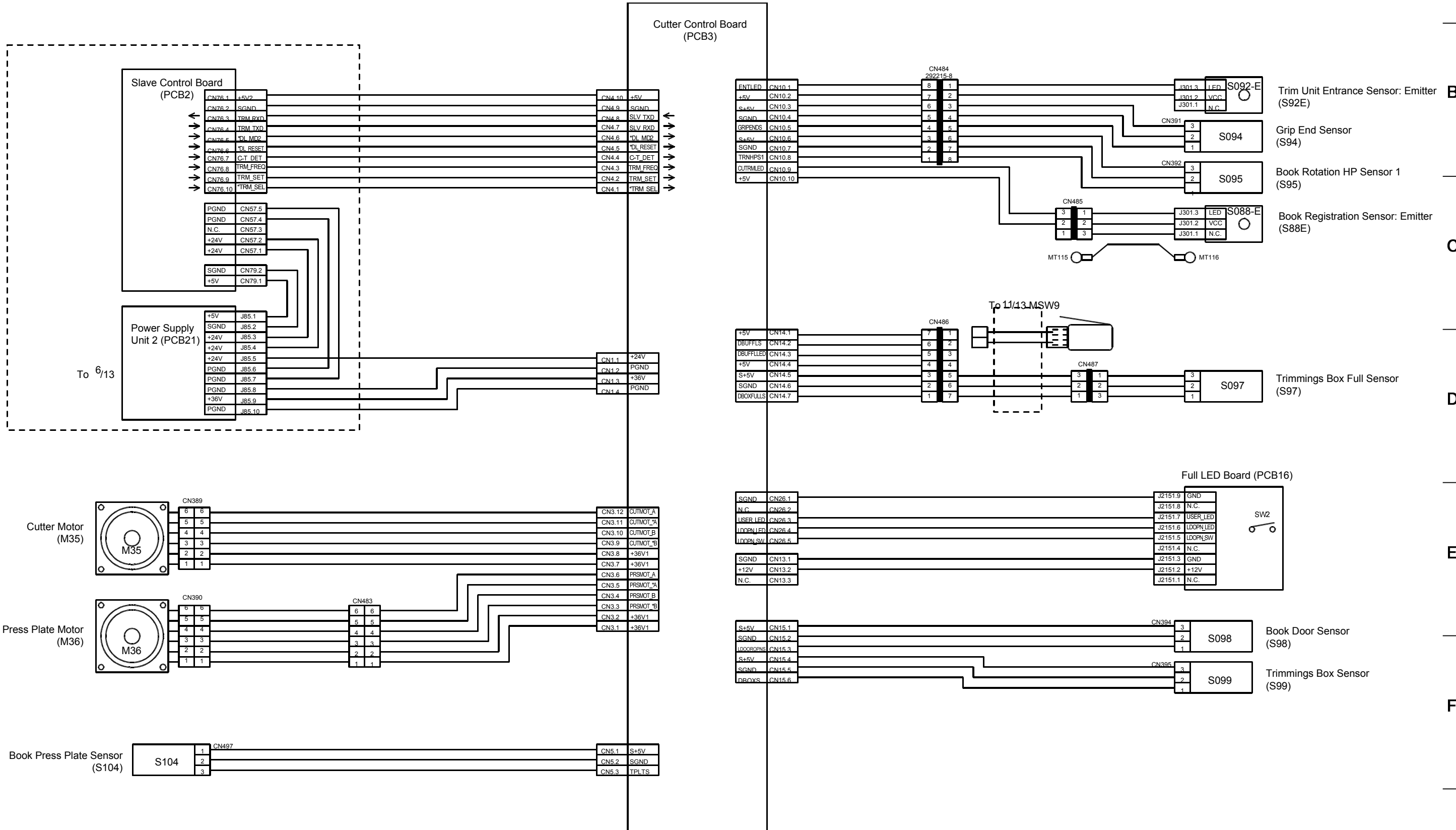
- Header 1 (A1-A16):** A1, A2, A3, A4, A5, A6, A7, A8, A9, A10, A11, A12, A13, A14, A15, A16.
- Header 2 (B1-B17):** B1, B2, B3, B4, B5, B6, B7, B8, B9, B10, B11, B12, B13, B14, B15, B16, B17.
- Header 3 (CN63.1-CN63.15):** CN63.1, CN63.2, CN63.3, CN63.4, CN63.5, CN63.6, CN63.7, CN63.8, CN63.9, CN63.10, CN63.11, CN63.12, CN63.13, CN63.14, CN63.15.
- Header 4 (CN65.1-CN65.4):** CN65.1, CN65.2, CN65.3, CN65.4.
- Header 5 (CN66.1-CN66.12):** CN66.1, CN66.2, CN66.3, CN66.4, CN66.5, CN66.6, CN66.7, CN66.8, CN66.9, CN66.10, CN66.11, CN66.12.
- Header 6 (CN64.1-CN64.12):** CN64.1, CN64.2, CN64.3, CN64.4, CN64.5, CN64.6, CN64.7, CN64.8, CN64.9, CN64.10, CN64.11, CN64.12.

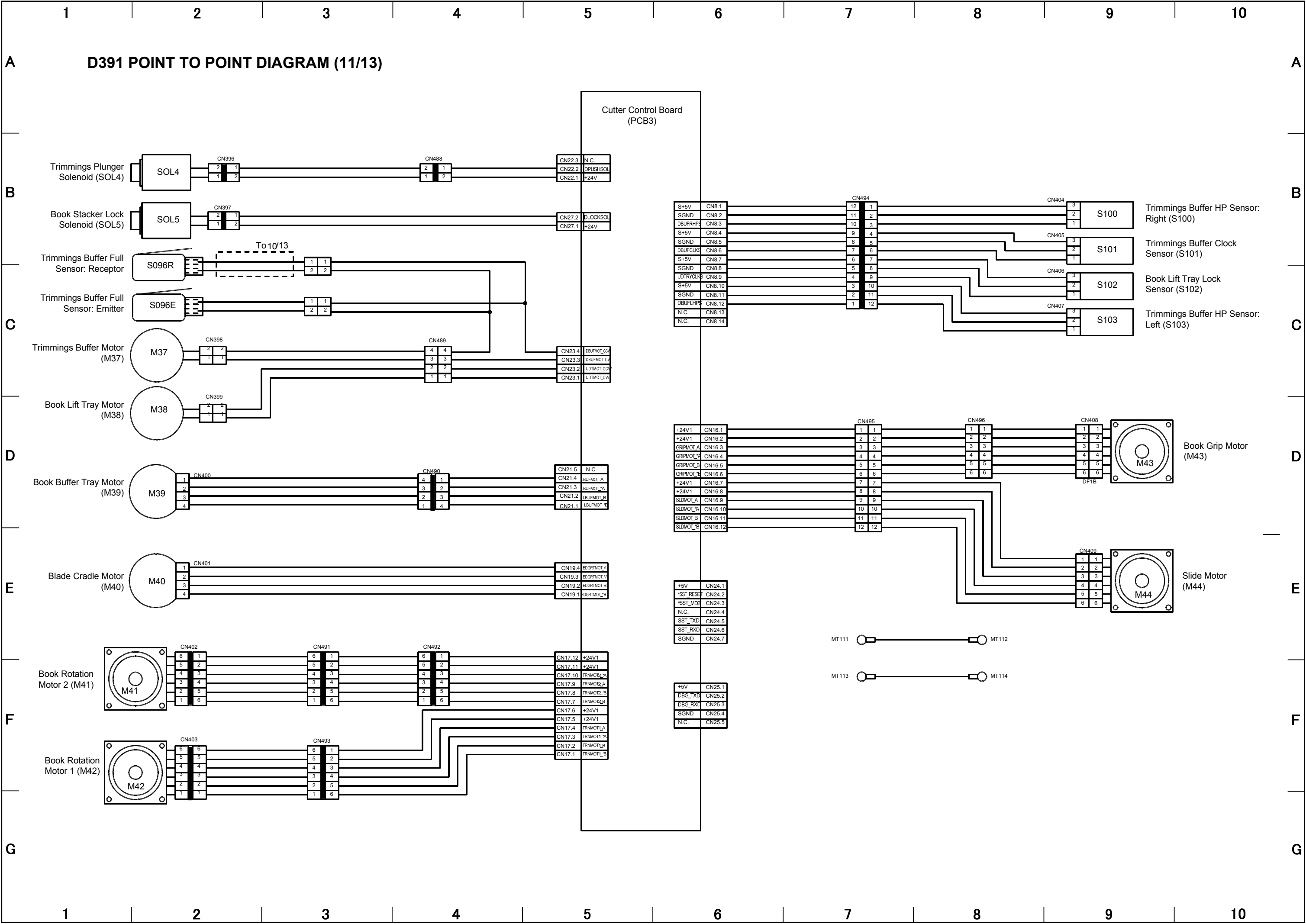


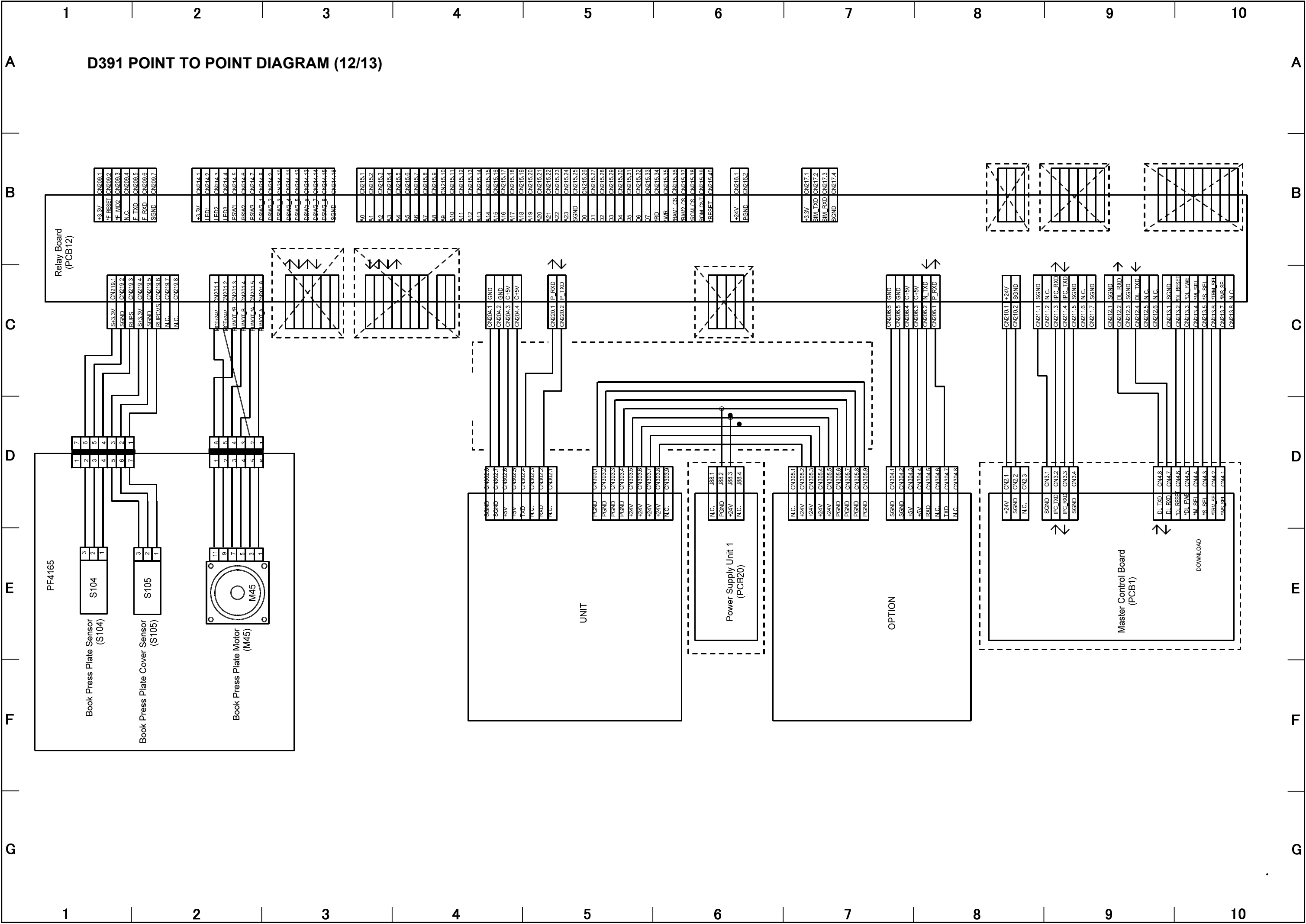


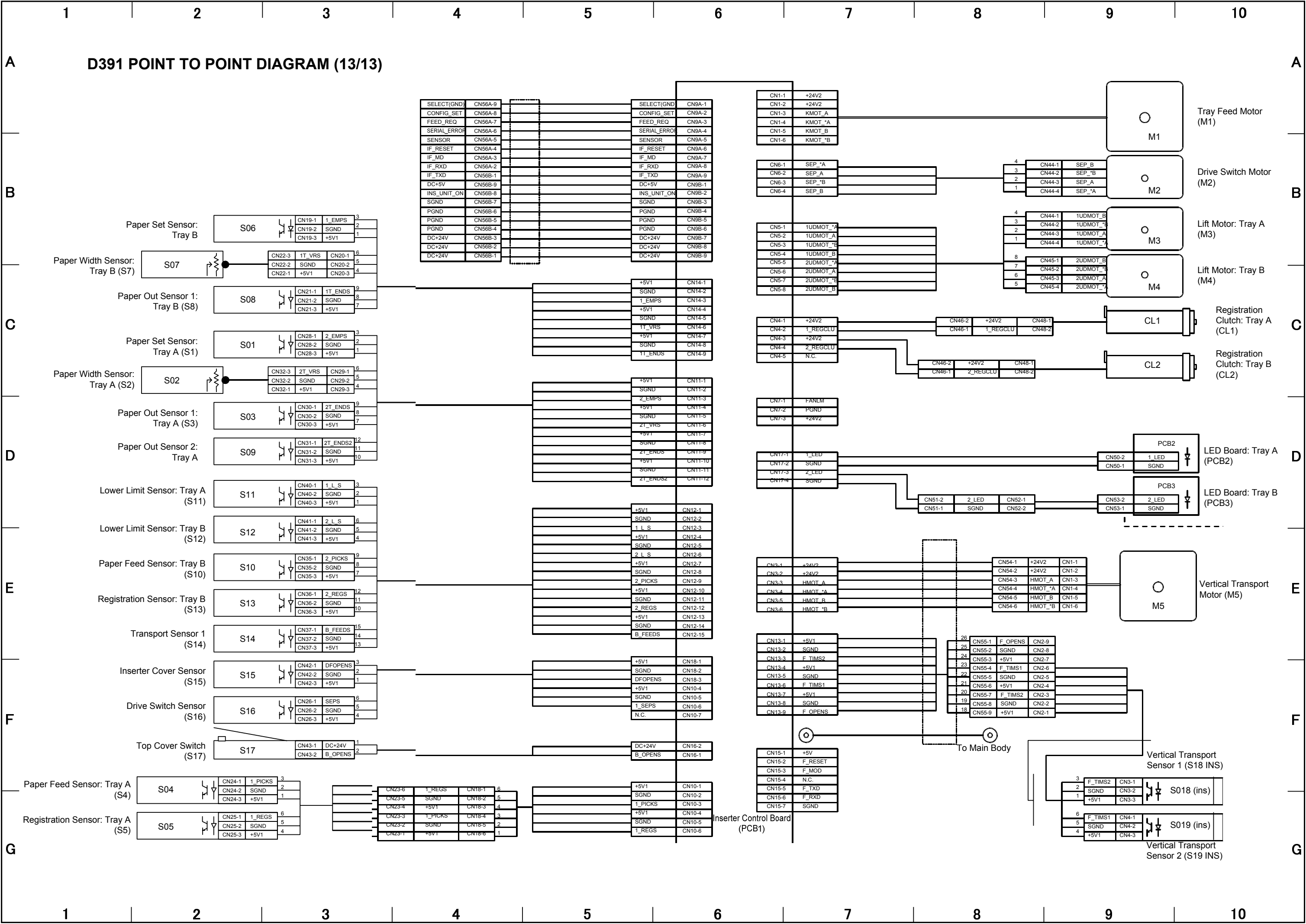


D391 POINT TO POINT DIAGRAM (10/13)

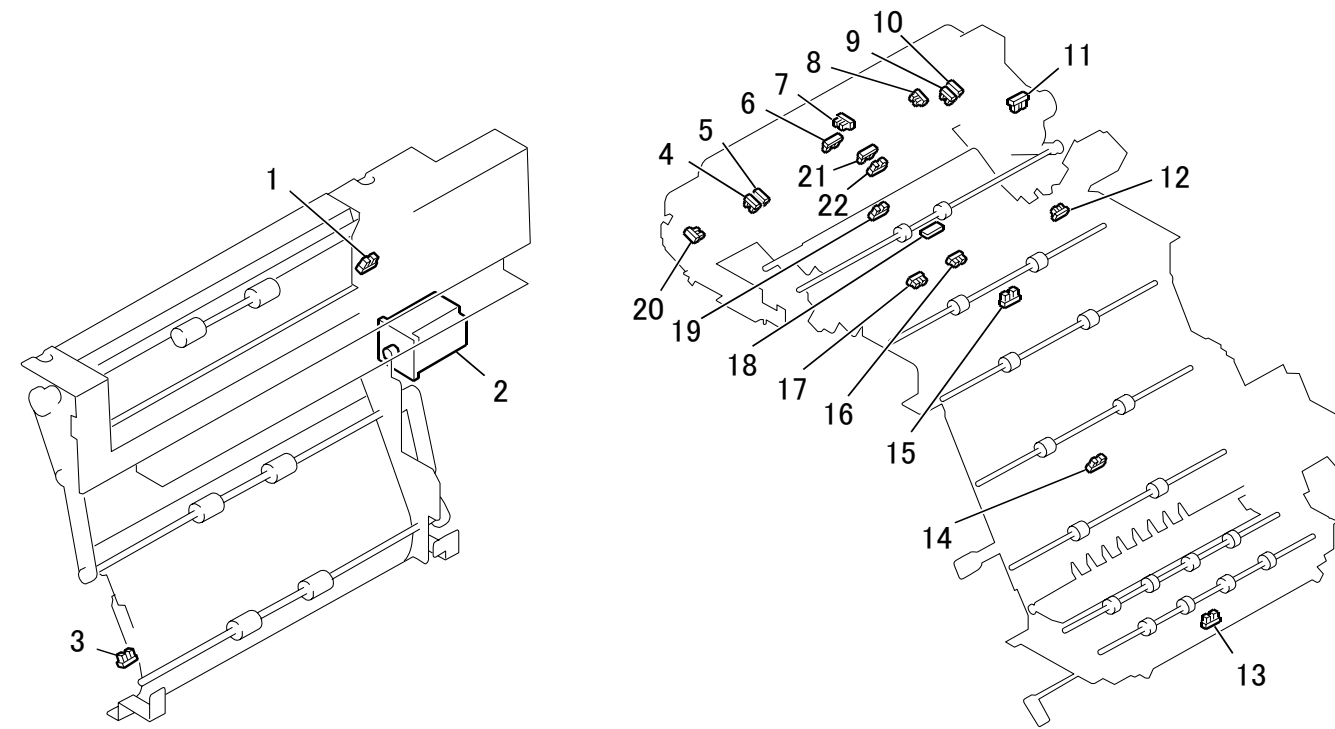




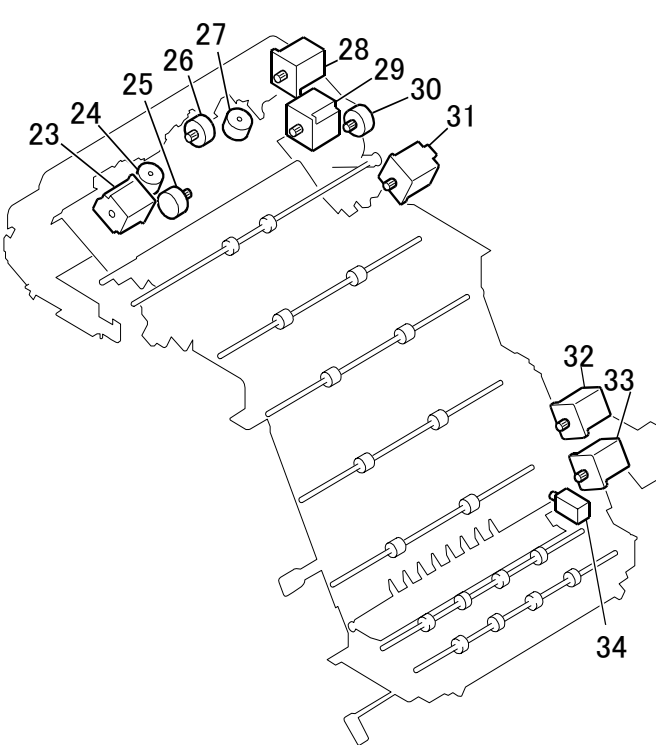




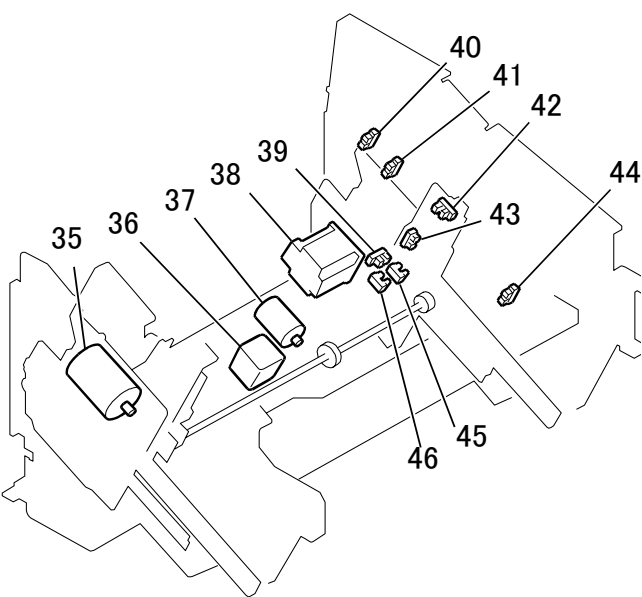
D391 ELECTRICAL COMPONENT LAYOUT (1/4)



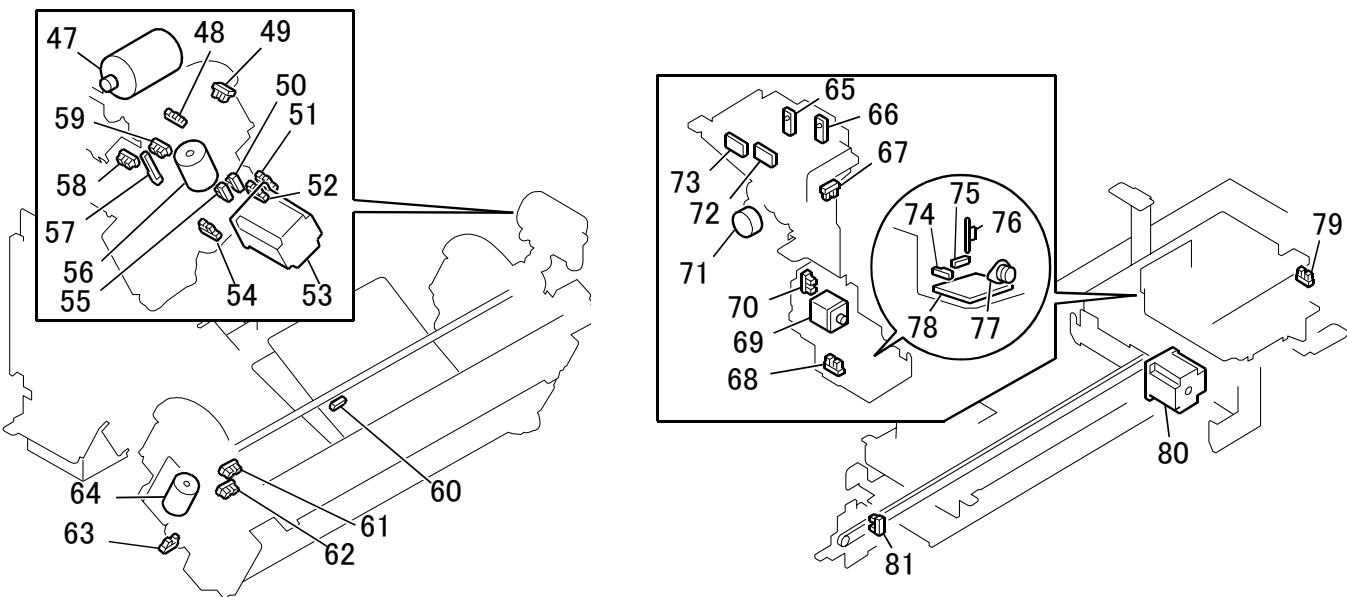
D391V035.WMF



D391V038.WMF

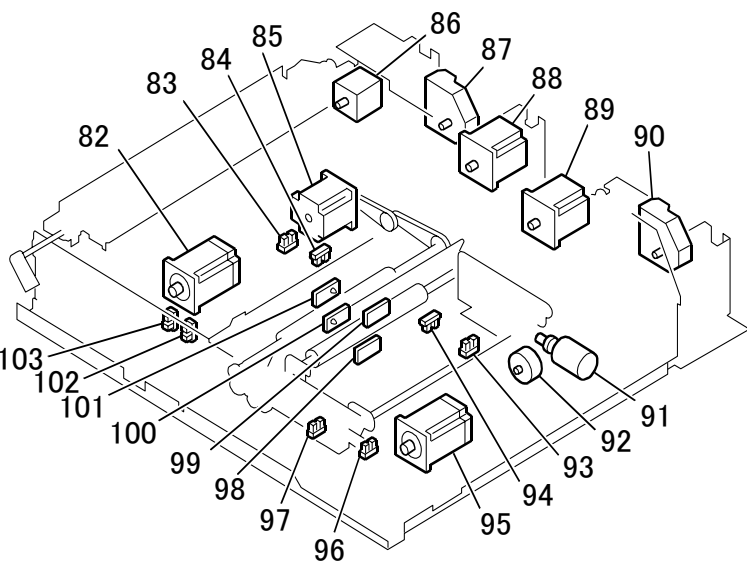


D391V041.WMF

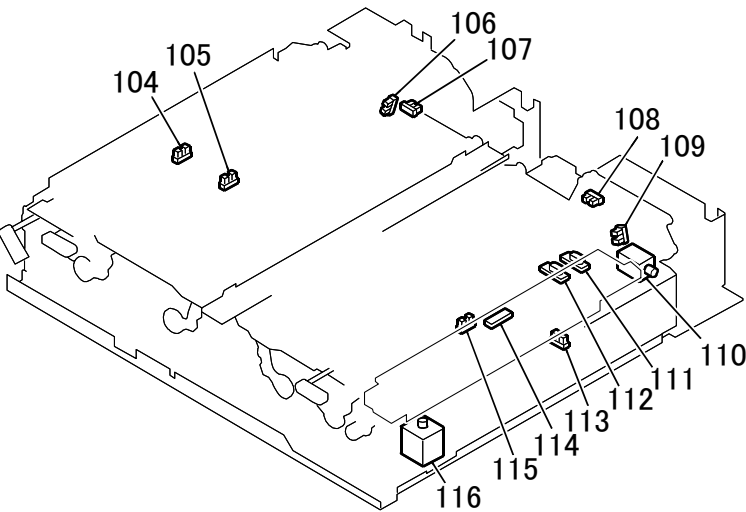


D391V043.WMF

D391V044.WMF

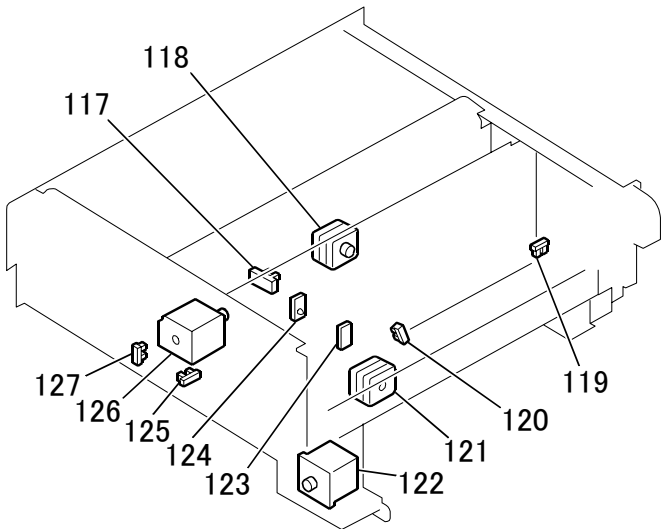


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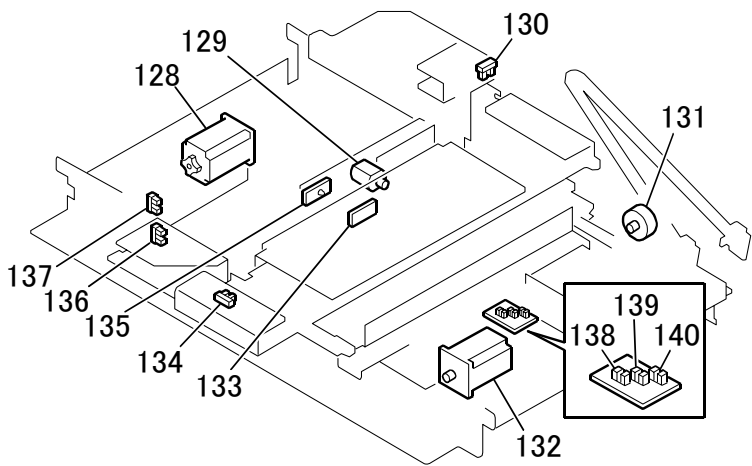


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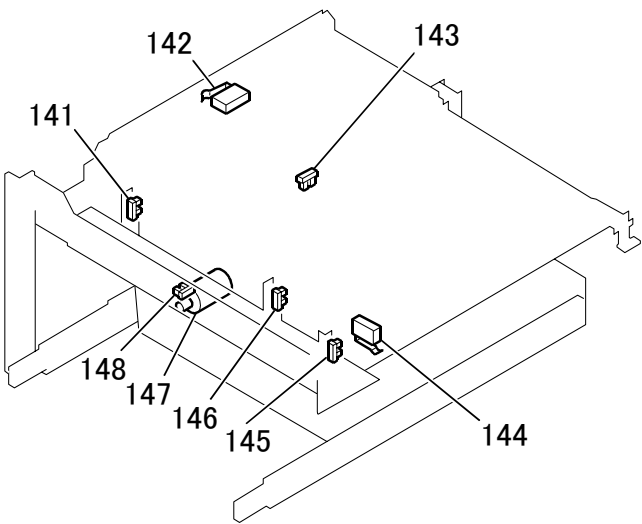
D391 ELECTRICAL COMPONENT LAYOUT (2/4)



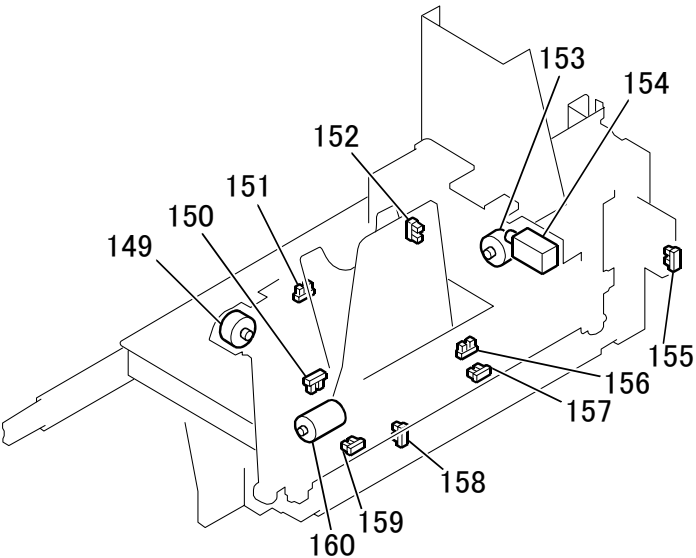
D391V055.WMF



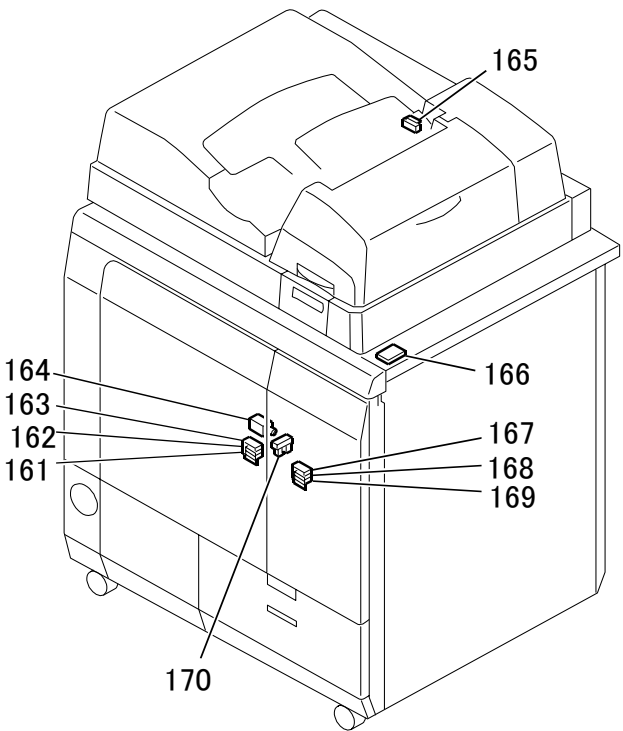
D391V057.WMF



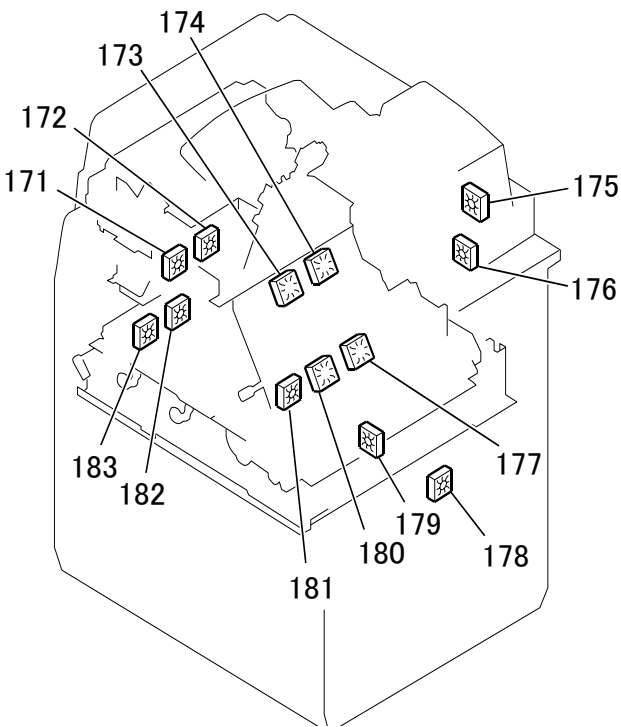
D391V060.WMF



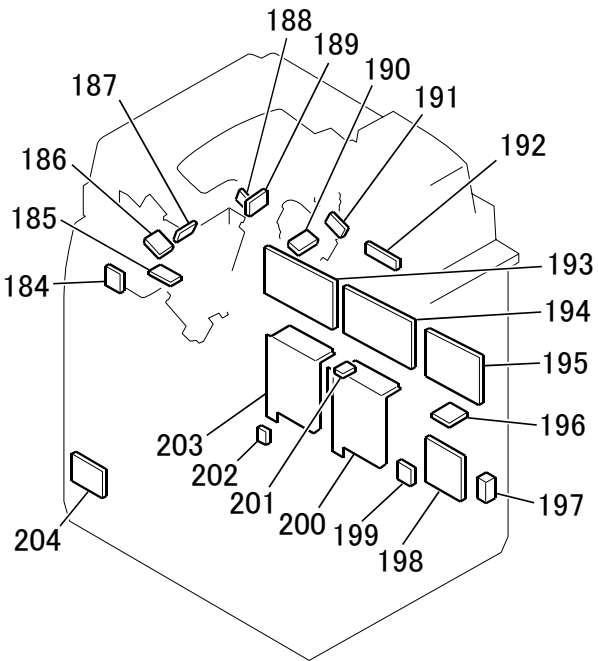
D391V062.WMF



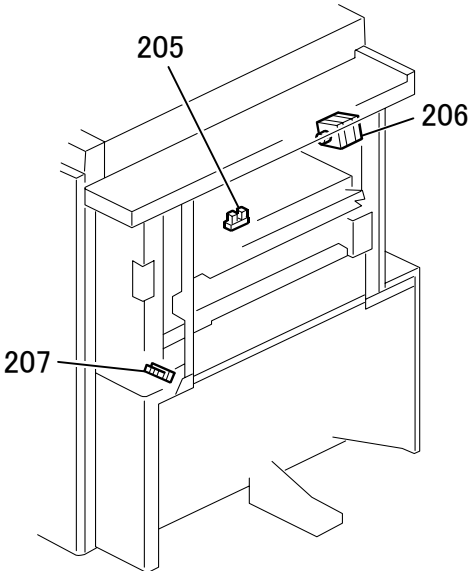
D391V065.WMF



D391V067.WMF

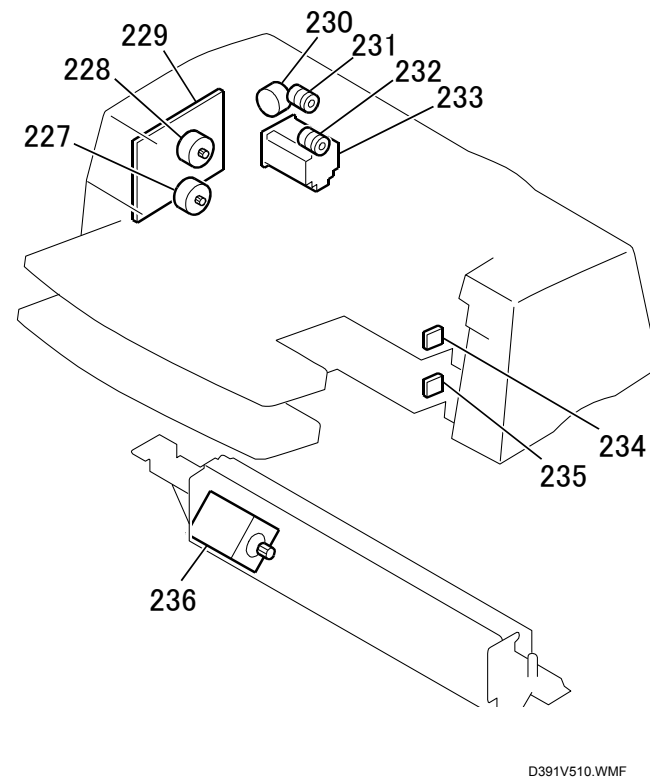
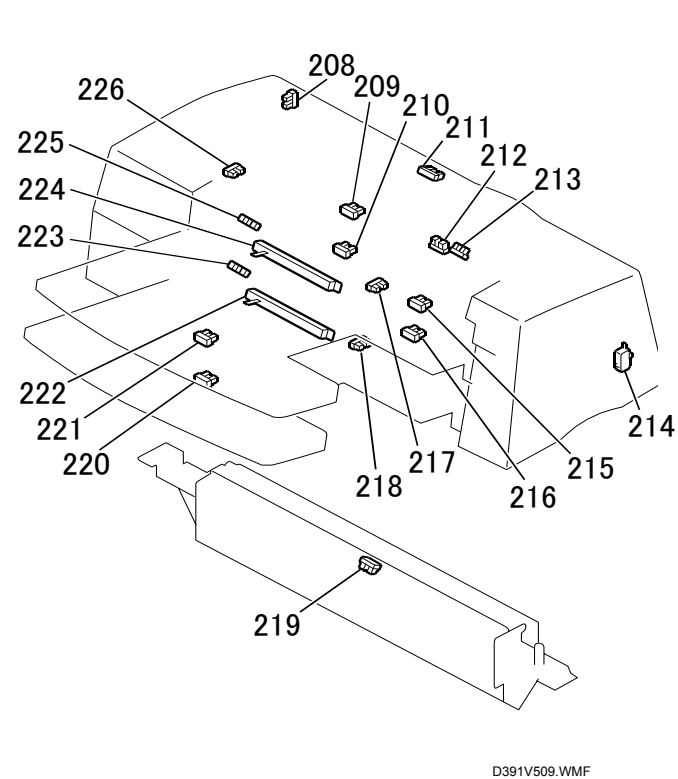


D391V069.WMF



D391V101.WMF

D391 ELECTRICAL COMPONENT LAYOUT (3/4)



Main Frame			
Symbol	Index No.	Description	P to P
Switches			
MSW1	163	Left Front Door Switch: Upper (MSW1)	9-E2
MSW2	167	Right Front Door Switch: Upper (MSW2)	9-E2
MSW3	165	Top Cover Switch (MSW3)	2-E2
MSW4	162	Left Front Door Switch: Center (MSW4)	9-E2
MSW5	168	Right Front Door Switch: Center (MSW5)	9-F2
MSW6	161	Left Front Door Switch: 36V (MSW6)	9-F2
MSW7	169	Right Front Door Switch: 36V (MSW7)	9-F2
PCB			
CB1	197	Breaker Switch (CB1)	3-E8
PCB01	193	Master Control Board (PCB1)	1-A5 2-B5 3-B5 6-B2 12-E9
PCB02	194	Slave Control Board (PCB2)	3-B2 4-B1 5-G5 6-B5 7-A6 8-B3 10-B2
PCB03	195	Cutter Control Board (PCB3)	6-C2 9-B5 10-B5 11-A5
PCB04	191	Main Grip Relay Board 1 (PCB4)	5-E5
PCB05	190	Main Grip Relay Board 2 (PCB5)	5-D2
PCB06	189	Main Grip Relay Board 3 (PCB6)	5-E3
PCB07	188	Sub Grip Relay Board 1 (PCB7)	4-F7
PCB08	187	Sub Grip Relay Board 2 (PCB8)	4-D7
PCB09	186	Sub Grip Relay Board 3 (PCB9)	4-F5
PCB10	185	Sub Grip Relay Board 4 (PCB10)	4-C3
PCB11	192	Glue Applicator Relay Board (PCB11)	6-B7
PCB12	198	Relay Board (PCB12)	3-C2
PCB13	196	Transceiver Board (PCB13)	3-F9
PCB14	198	EEPROM Board (PCB14)	3-C2
PCB15	202	Front Cover LED Board (PCB15)	2-F9
PCB16	204	Full LED Board (PCB16)	10-E9
PCB17	166, 201	Energy Save Button/LED Board (PCB17)	2-F9
PCB18	184	Service Board (PCB18)	2-F2
PCB19	199	Power Supply Relay Board (PCB19)	3-E6 6-D1
PCB20	200	Power Supply Unit 1 (PCB20)	3-E6 12-E6
PCB21	203	Power Supply Unit 2 (PCB21)	6-D3 10-D2
Fans			
FM01	178	Power Supply Fan: Right (FM1)	8-F6
FM02	179	Power Supply Fan: Center (FM2)	8-G6
FM03	181	Power Supply Fan: Left (FM3)	3-D8
FM04	175	Glue Supply Fan: Upper (FM4)	8-B8
FM05	176	Glue Supply Fan: Lower (FM5)	8-C8
FM06	173	Signature Fan 2: Front (FM6)	8-C8
FM07	174	Signature Fan 2: Rear (FM7)	8-D8
FM08	180	Signature Fan 1: Front (FM8)	8-D8
FM09	177	Signature Fan 1: Rear (FM9)	8-D8
FM10	183	Spine Plate Fan: Front (FM10)	8-E8
FM11	182	Spine Plate Fan: Lower Rear (FM11)	8-E8
FM12	171	Spine Plate Fan: Upper Front (FM12)	8-F8
FM13	172	Spine Plate Fan: Upper Rear (FM13)	8-F8

D391 ELECTRICAL COMPONENT LAYOUT (4/4)

Main Frame			
Symbol	Index No.	Description	P to P
Heaters			
HTR1	78	Glue Heater (HTR1)	6-B9
Thermostats			
THSW1	77	Thermostat (THSW1)	6-E9
Solenoids			
SOL1	110	Cover Grip Solenoid (SOL1)	2-D9
SOL2	34	Entrance JG Solenoid (SOL2)	2-D9
SOL3	164	Right Front Door Solenoid (SOL3)	2-E9
SOL4	129	Trimmings Plunger Solenoid (SOL4)	11-B2
SOL5	154	Book Stacker Lock Solenoid (SOL5)	11-B2
Motors			
M01	28	Stacking Roller Motor (M1)	1-F2
M02	29	Stacking Tray Lift Motor (M2)	1-F2
M03	31	TE Press Lever Motor (M3)	1-G2
M04	24	Jogger Motor : Front (M4)	1-A9
M05	27	Jogger Motor: Rear (M5)	1-B9
M06	26	Stacking Weight Motor (M6)	1-B9
M07	23	Switchback Roller Lift Motor (M7)	1-C9
M08	30	Switchback Flapper Motor (M8)	1-C9
M09	25	Stacking Tray Motor (M9)	1-D9
M10	33	Entrance Motor (M10)	1-E9
M11	32	Signature Transport Motor (M11)	1-F9
M12	89	Cover Motor: Right (M12)	2-B9
M13	88	Cover Motor: Left (M13)	2-B9
M14	86	Exit Motor (M14)	2-C9
M15	87	Cover Guide Motor: Left (M15)	2-C9
M16	90	Cover Guide Motor: Right (M16)	2-D9
M17	38	Sub Grip Lift Motor (M17)	4-C9
M18	35	Signature Move Motor (M18)	4-C9
M19	36	Sub Grip Size Motor (M19)	4-D9
M20	37	Sub Grip Motor (M20)	4-D9
M21	47	Grip Unit Rotation Motor (M21)	5-B1
M22	53	Main Grip Lift Motor (M22)	5-B3
M23	64	Grip Motor: Rear (M23)	5-B10
M24	56	Grip Motor: Front (M24)	5-B9
M25	69	Glue Vat Roller Motor (M25)	6-C9
M26	92	Spine Plate Motor (M26)	7-G2
M27	85	Signature Exit Roller Motor (M27)	7-B10
M28	82	Spine Fold Motor: Left (M28)	7-B10
M29	95	Spine Fold Motor: Right (M29)	7-C10
M30	91	Signature Path Exit Motor (M30)	7-C10
M31	116	Cover Horizontal Registration Motor (M31)	7-D10
M32	80	Glue Vat Motor (M32)	7-D10
M33	71	Glue Supply Motor (M33)	8-B8
M34	153	Book Output Belt Motor (M34)	9-C2
M35	132	Cutter Motor (M35)	10-E2
M36	128	Edge Press Plate Motor (M36)	10-F2
M37	147	Trimmings Buffer Motor (M37)	11-C2
M38	160	Book Lift Tray Motor (M38)	11-D2
M39	149	Book Buffer Tray Motor (M39)	11-D2
M40	131	Blade Cradle Motor (M40)	11-E2
M41	118	Book Rotation Motor 2 (M41)	11-F2
M42	121	Book Rotation Motor 1 (M42)	11-F2
M43	126	Book Grip Motor (M43)	11-D10
M44	122	Slide Motor (M44)	11-E10
M45	206	Book Press Plate Motor	12-E2

Main Frame			
Symbol	Index No.	Description	P to P
Sensors			
S001	17	Paper Detection Sensor: Front (S1)	1-A2
S002	16	Paper Detection Sensor: Rear(S2)	1-B2
S003	12	TE Press Lever HP Sensor (S3)	1-B2
S004	7	Top Cover Sensor (S4)	1-B2
S005	2,18	Timing Sensor (S5)	1-B2
S006	8	Stacking Tray Overflow Sensor (S6)	1-C2
S007	20	Stacking Tray Lower Limit Sensor (S7)	1-C2
S008	19	Tray Empty Sensor (S8)	1-C2
S009	22	Stacking Tray HP Sensor (S9)	1-C2
S010	11	Switchback Flapper HP Sensor (S10)	1-D2
S011	21	Switchback Roller HP Sensor (S11)	1-D2
S012	5	Jog Fence HP Sensor: Front: Small (S12)	1-D2
S013	9	Jog Fence HP Sensor: Rear Small (S13)	1-D2
S014	4	Jog Fence HP Sensor: Front: Large (S14)	1-E2
S015	10	Jog Fence HP Sensor: Rear: Large (S15)	1-E2
S016	6	Stacking Weight HP Sensor (S16)	1-E2
S017	13	Entrance sensor (S17)	1-D9
S018	3,14	Signature Path Sensor 1 (S18)	1-E9
S019	1,15	Signature Path Sensor 2 (S19)	1-E9
S020	115	Cover Path: Sensor 1 (S20)	2-A2
S021	114	Cover Registration Sensor (S21)	2-B2
S022	108	Cover Guide HP Sensor: Right (S22)	2-B2
S023	109	Cover Guide Open Sensor: Right (S23)	2-B2
S025	104	Horizontal Path Exit Sensor (S25)	2-C2
S026	105	Cover Path: Sensor 2 (S26)	2-C2
S027	107	Cover Guide HP Sensor: Left (S27)	2-C2
S028	106	Cover Guide Open Sensor: Left (S28)	2-D2
S030	170	Right Front Door Sensor (S30)	2-E9
S031E	65	Glue Vat Empty Sensor: Emitter (S31E)	3-B8
S031R	73	Glue Vat Empty Sensor: Receptor (S31R)	3-B8
S032E	66	Glue Vat Full Sensor: Emitter (S32E)	3-B8
S032R	72	Glue Vat Full Sensor: Receptor (S32R)	3-B8
S033	79	Glue Supply Cover Sensor (S33)	3-C8
S034	40	Signature HP Sensor (S34)	4-A9
S035	44	Signature Main Grip Position Sensor (S35)	4-B9
S036	41	Main Grip Rotate Enable Sensor (S36)	4-B9
S037	39	Sub Grip HP Sensor (S37)	4-C9
S038	43	Sub Grip Size HP Sensor (S38)	4-E9
S039	42	Sub Grip Signature Sensor (S39)	4-E9
S040	46	Sub Grip Open Sensor (S40)	4-E9
S041	45	Sub Grip Close Sensor (S41)	4-F9
S042	48	Rotate-to-Binding Position Sensor (S42)	5-B2
S043	49	Main Grip Rotate HP Sensor (S43)	5-B2
S044	52	Main Grip HP Sensor: Low (S44)	5-B4
S045	51	Main Grip HP Sensor: High (S45)	5-B4
S046	54	Main Grip Encoder: Rear (S46)	5-B6
S047	59	Main Grip Open Sensor: Rear (S47)	5-B7
S048	50	Main Grip Press Sensor 1 (S48)	5-B7
S049	55	Main Grip Press Sensor 2 (S49)	5-B7
S050	57	Signature Thickness Sensor (S50)	5-B8
S051	61	Main Grip Open Sensor: Front (S51)	5-B8
S052	63	Main Grip Encoder: Front (S52)	5-B8
S053	62	Main Grip Close Sensor: Front (S53)	5-B8
S054	58	Main Grip Close Sensor: Rear (S54)	5-B9
S055	60	Main Grip Signature Sensor (S55)	5-B9
S056	74	Glue Temperature Thermistor (S56)	6-D9

Main Frame			
Symbol	Index No.	Description	P to P
S057	75	Glue Abnormal Temperature Thermistor (S57)	6-D9
S058	76	Glue Level Thermistor (S58)	6-D9
S059	68	Glue Vat Roller Rotation Sensor (S59)	6-E9
S060	83	Spine Plate HP Sensor: Left (S60)	7-B2
S061	84	Spine Fold Close Sensor: Left (S61)	7-B2
S062	103	Spine Plate Open Sensor (S62)	7-B2
S063	102	Spine Plate Close Sensor (S63)	7-B2
S064E	99	Book Exit Sensor: Emitter (S64E)	7-C2
S064R	101	Book Exit Sensor: Receptor (S64R)	7-D2
S065E	98	Leading Edge Sensor: Emitter (S65E)	7-C2
S065R	100	Leading Edge Sensor: Receptor (S65R)	7-E2
S066	93	Spine Plate HP Sensor: Right (S66)	7-C2
S067	96	Signature Exit Path HP Sensor (S67)	7-C2
S068	97	Signature Path Exit Press Sensor (S68)	7-D2
S069	94	Spine Fold Close Sensor: Right (S69)	7-D2
S070	113	Registration Unit HP Sensor (S70)	7-E2
S071	112	Cover Horizontal Registration Sensor: Small (S71)	7-E2
S072	111	Cover Horizontal Registration Sensor: Large (S72)	7-F2
S073	70	Glue Vat HP Sensor (S73)	7-F2
S074	81	Glue Vat HP Sensor: Front (S74)	7-F2
S075	67	Glue Roller HP Sensor (S75)	8-B8
S076	157	Book Arrival Sensor (S76)	9-B2
S078	158	Book Buffer Tray HP Sensor (S78)	9-B2
S079	159	Book Lift Tray HP Sensor (79)	9-B2
S080	151	Book Tray HP Sensor (S80)	9-D2
S081	156	Book Output Tray Sensor (S81)	9-D2
S082	125	Slide HP Sensor (S82)	9-A9
S083	134	Blade Cradle HP Sensor (S83)	9-A9
S084	140	Blade Sensor 1 (S84)	9-B9
S085	139	Blade Sensor 2 (S85)	9-B9
S086	138	Trimmer Limit Sensor (S86)	9-B9
S087	130	Press End Sensor (S87)	9-C9
S088E	133	Book Registration Sensor: Emitter (S88E)	10-C9
S088R	135	Book Registration Sensor: Receptor (S88R)	9-C9
S089	137	Press Limit Sensor (S89)	9-C9
S090	136	Edge Press Plate HP Sensor (S90)	9-D9
S091	117	Book Rotation HP Sensor 2 (S91)	9-E9
S092E	123	Trim Unit Entrance Sensor: Emitter (S92E)	10-B9
S092R	124	Trim Unit Entrance Sensor: Receptor (S92R)	9-E9
S093	127	Grip HP Sensor (S93)	9-E9
S094	119	Grip End Sensor (S94)	10-B9
S095	120	Book Rotation HP Sensor 1 (S95)	10-B9
S96R	142	Trimmings Buffer Full Sensor: Receptor	11-C2
S96E	144	Trimmings Buffer Full Sensor: Emitter	11-C2
S097	143	Trimmings Box Full Sensor (S97)	10-D9
S098	152	Book Door Sensor (S98)	10-F9
S099	155	Trimmings Box Sensor (S99)	10-F9
S100	146	Trimmings Buffer HP Sensor: Right (S100)	11-B9
S101	148	Trimmings Buffer Clock Sensor (S101)	11-B9
S102	150	Book Lift Tray Lock Sensor (S102)	11-C9
S103	141	Trimmings Buffer HP Sensor: Left (S103)	11-C9
S104	145	Book Press Plate Sensor (S104)	10-F2 12-E1
S105	207	Book Press Plate Cover Sensor(S105)	12-E2

Inserter			
Symbol	Index No.	Description	P to P
Motors			
M1	233	Tray Feed Motor (M1)	13-A9
M2	230	Drive Switch Motor (M2)	13-B9
M3	228	Lift Motor: Tray A (M3)	13-B9
M4	227	Lift Motor: Tray B (M4)	13-C9
M5	232	Vertical Transport Motor (M5)	13-E9
PCB			
PCB1	229	Inserter Control Board (PCB1)	13-G6
PCB2	234	LED Board: Tray A (PCB2)	13-D9
PCB3	235	LED Board: Tray B (PCB3)	13-D9
Switches			
S17	214	Top Cover Switch (S17)	13-F2
Magnetic Clutches			
CL1	231	Registration Clutch: Tray A (CL1)	13-C9
CL2	232	Registration Clutch: Tray B (CL2)	13-C9
Sensors			
S01	215	Paper Set Sensor: Tray A (S1)	13-C2
S02	224	Paper Width Sensor: Tray A (S2)	13-C2
S03	217	Paper Out Sensor 1: Tray A (S3)	13-D2
S04	209	Paper Feed Sensor: Tray A (S4)	13-F2
S05	211	Registration Sensor: Tray A (S5)	13-G2
S06	216	Paper Set Sensor: Tray B (S6)	13-B2
S07	222	Paper Width Sensor: Tray B (S7)	13-B2
S08	220	Paper Out Sensor 1: Tray B (S8)	13-C2
S09	221	Paper Out Sensor 2: Tray A (S9)	13-D2
S10	210	Paper Feed Sensor: Tray B (S10)	13-E2
S11	225	Lower Limit Sensor: Tray A (S11)	13-D2
S12	223	Lower Limit Sensor: Tray B (S12)	13-E2
S13	212	Registration Sensor: Tray B (S13)	13-E2
S14	213	Transport Sensor 1 (S14)	13-E2
S15	226	Inserter Cover Sensor (S15)	13-F2
S16	208	Drive Switch Sensor (S16)	13-F2
S18	3	Vertical Transport Sensor 1 (S18 INS)	13-F9
S19	219	Vertical Transport Sensor 2 (S19 INS)	13-G9