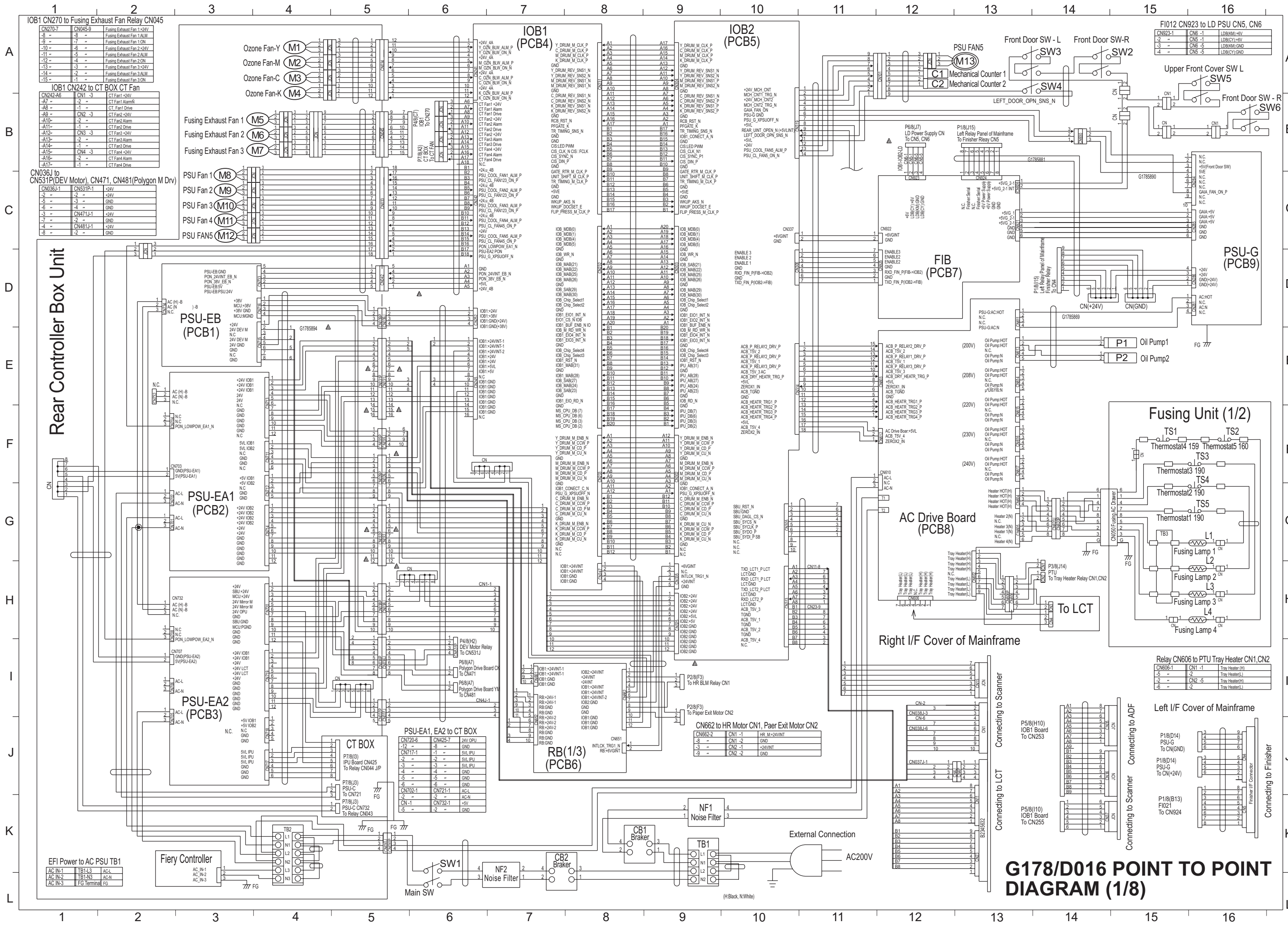
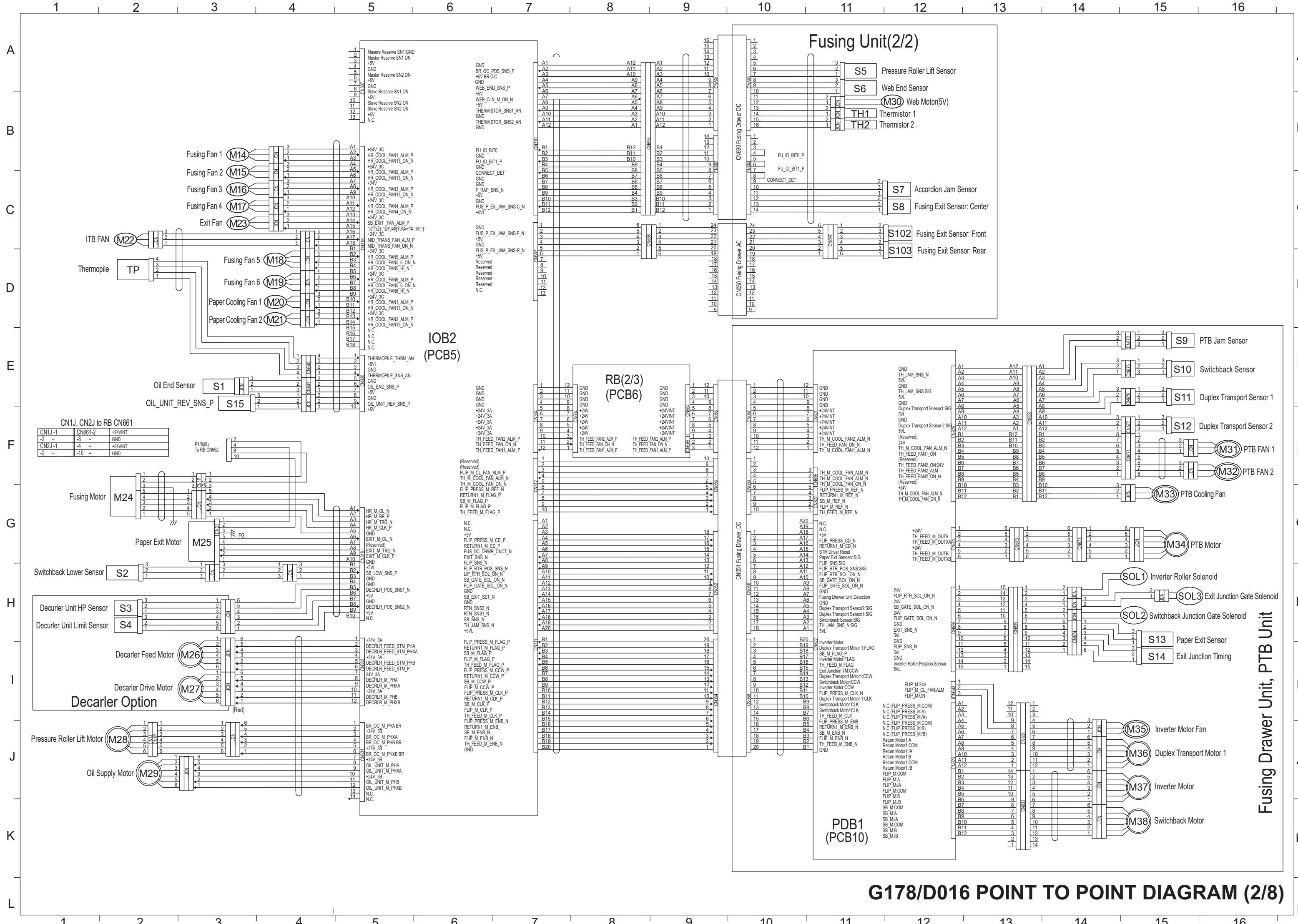
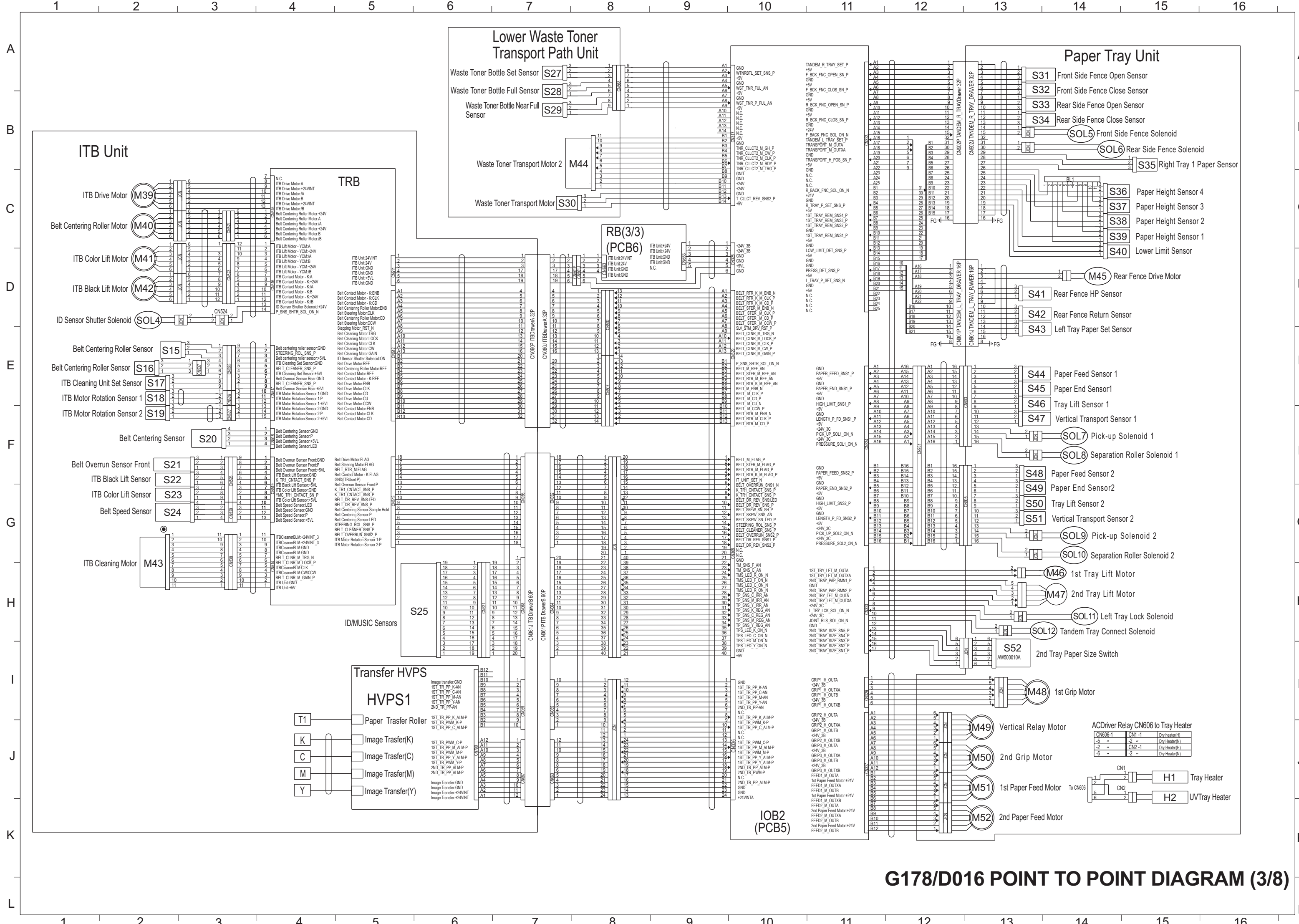


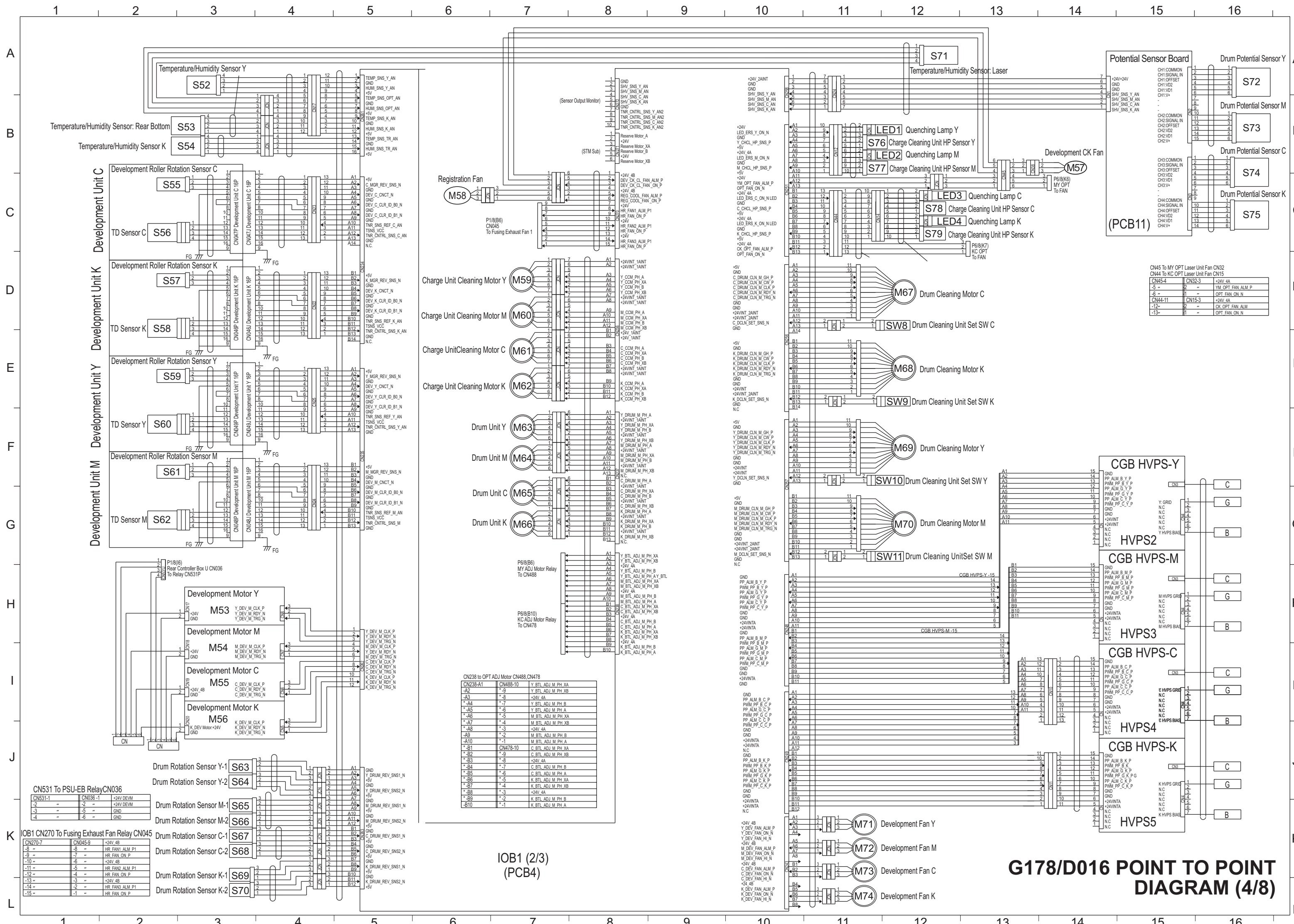




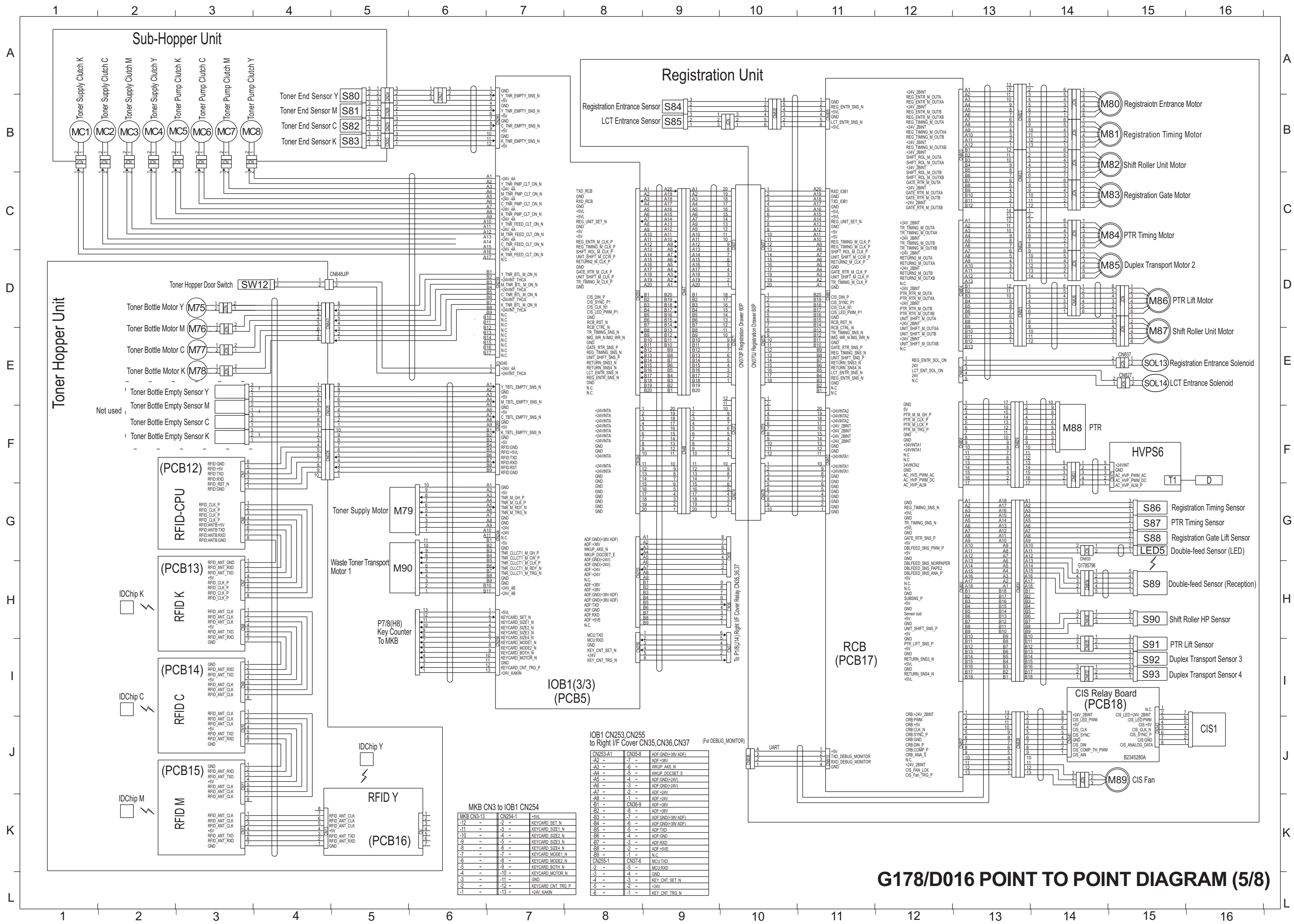
G178/D016 POINT TO POINT DIAGRAM (2/8)

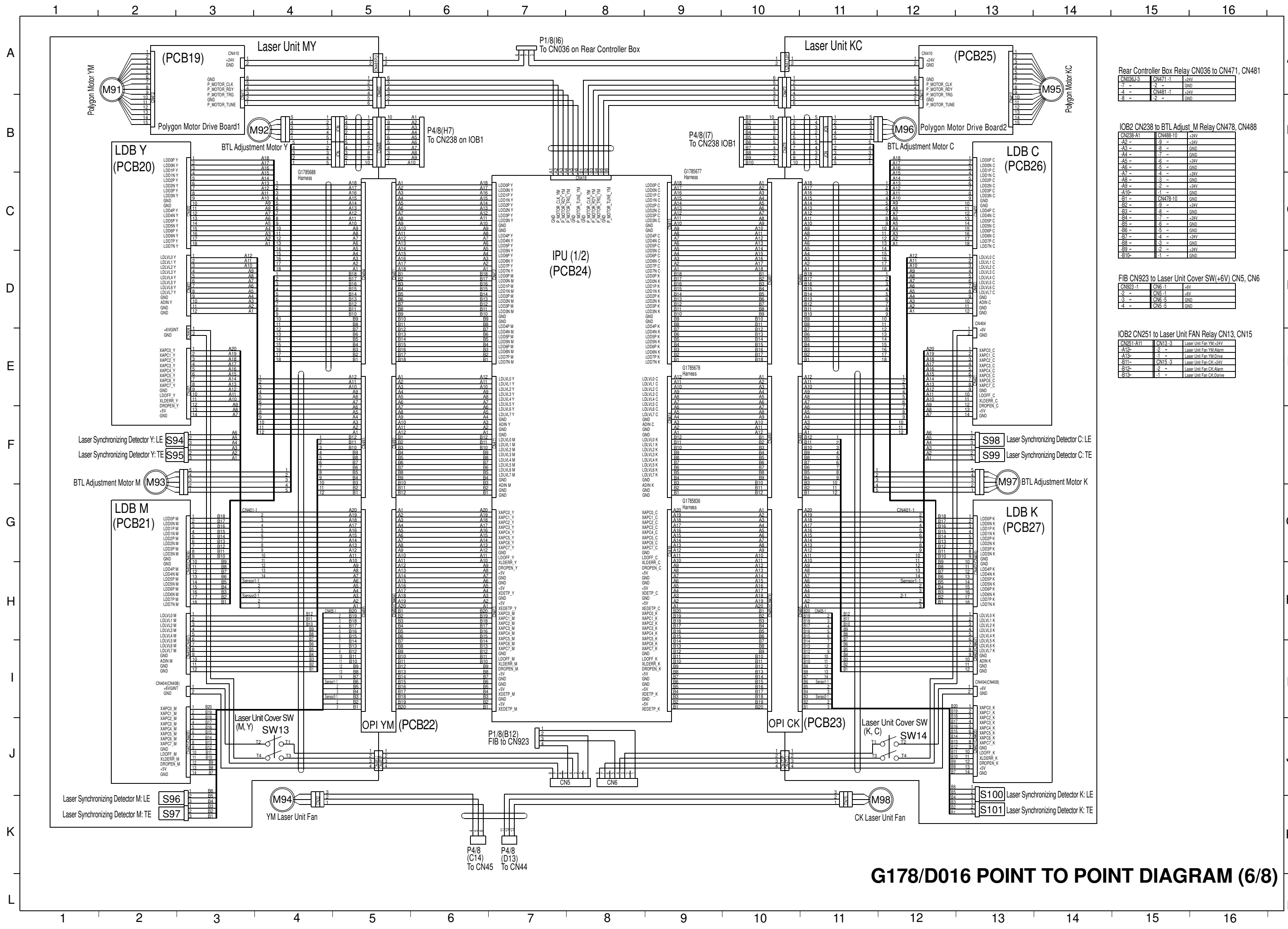


G178/D016 POINT TO POINT DIAGRAM (3/8)



G178/D016 POINT TO POINT
DIAGRAM (4/8)





Rear Controller Box Relay CN036 to CN471, CN481

CN036-1-3	CN471-1	+24V
7	2	GND
4	-	+24V
8	2	GND

IOB2 CN238 to BTL Adjust. M Relay CN478, CN488

CN238-A1	CN488-10	+24V
A2	3	+24V
A3	5	GND
A4	7	GND
A5	6	+24V
A6	5	GND
A7	4	+24V
A8	3	GND
A9	2	+24V
A10	1	GND
B1	CN478-10	GND
B2	3	+24V
B3	5	GND
B4	7	+24V
B5	6	GND
B6	5	GND
B7	4	+24V
B8	3	GND
B9	2	+24V
B10	1	GND

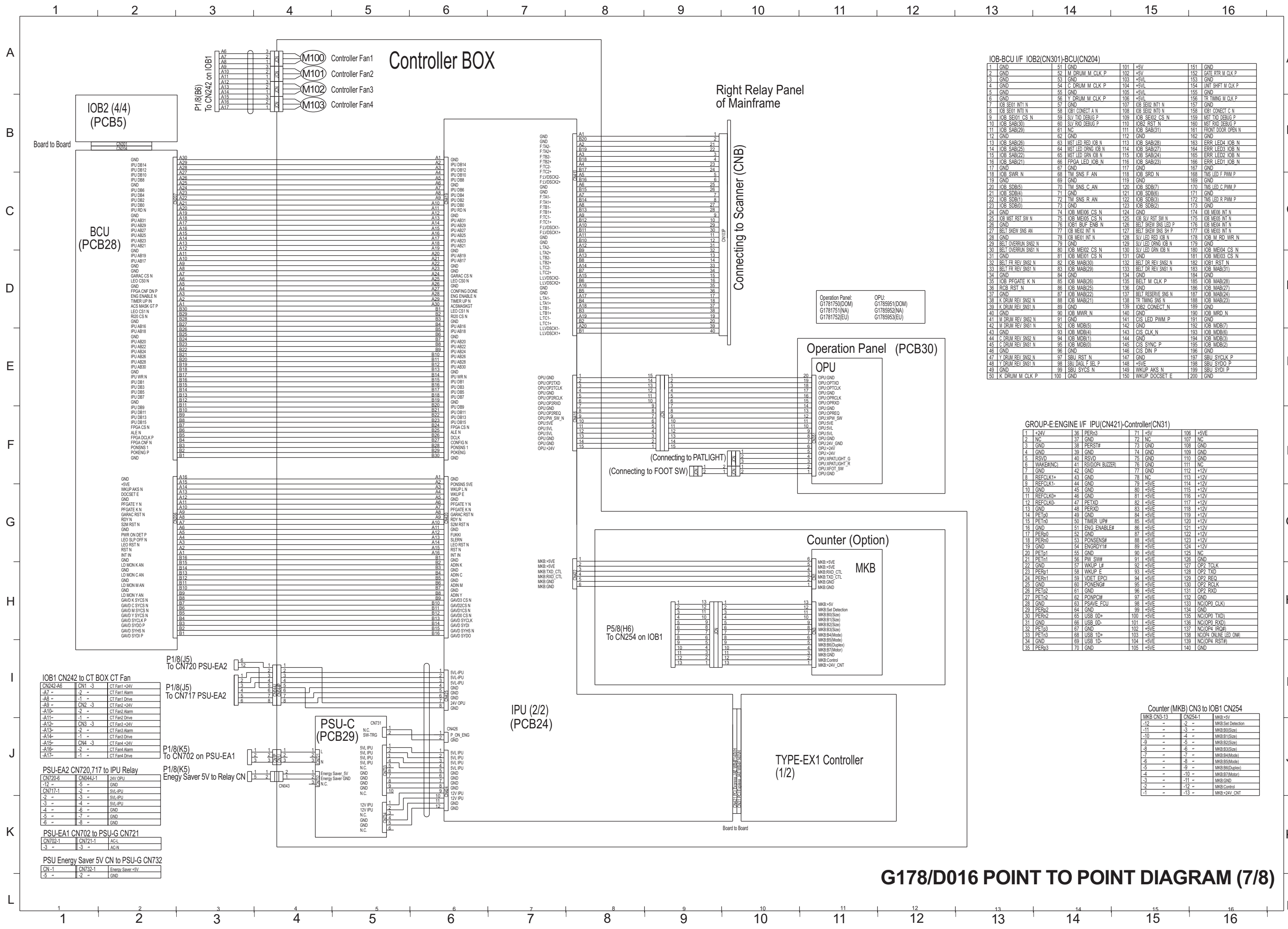
FIB CN923 to Laser Unit Cover SW(+6V) CN5, CN6

CN923-1	CN5-1	+5V
2	-	+5V
3	-	GND
4	-	GND

IOB2 CN251 to Laser Unit FAN Relay CN13, CN15

CN251-A11	CN13-3	Laser Unit Fan YM+24V
A12	2	Laser Unit Fan YM-Alarm
A13	1	Laser Unit Fan YM-Drive
B11	CN15-3	Laser Unit Fan CK+24V
B12	2	Laser Unit Fan CK-Alarm
B13	1	Laser Unit Fan CK-Drive

G178/D016 POINT TO POINT DIAGRAM (6/8)

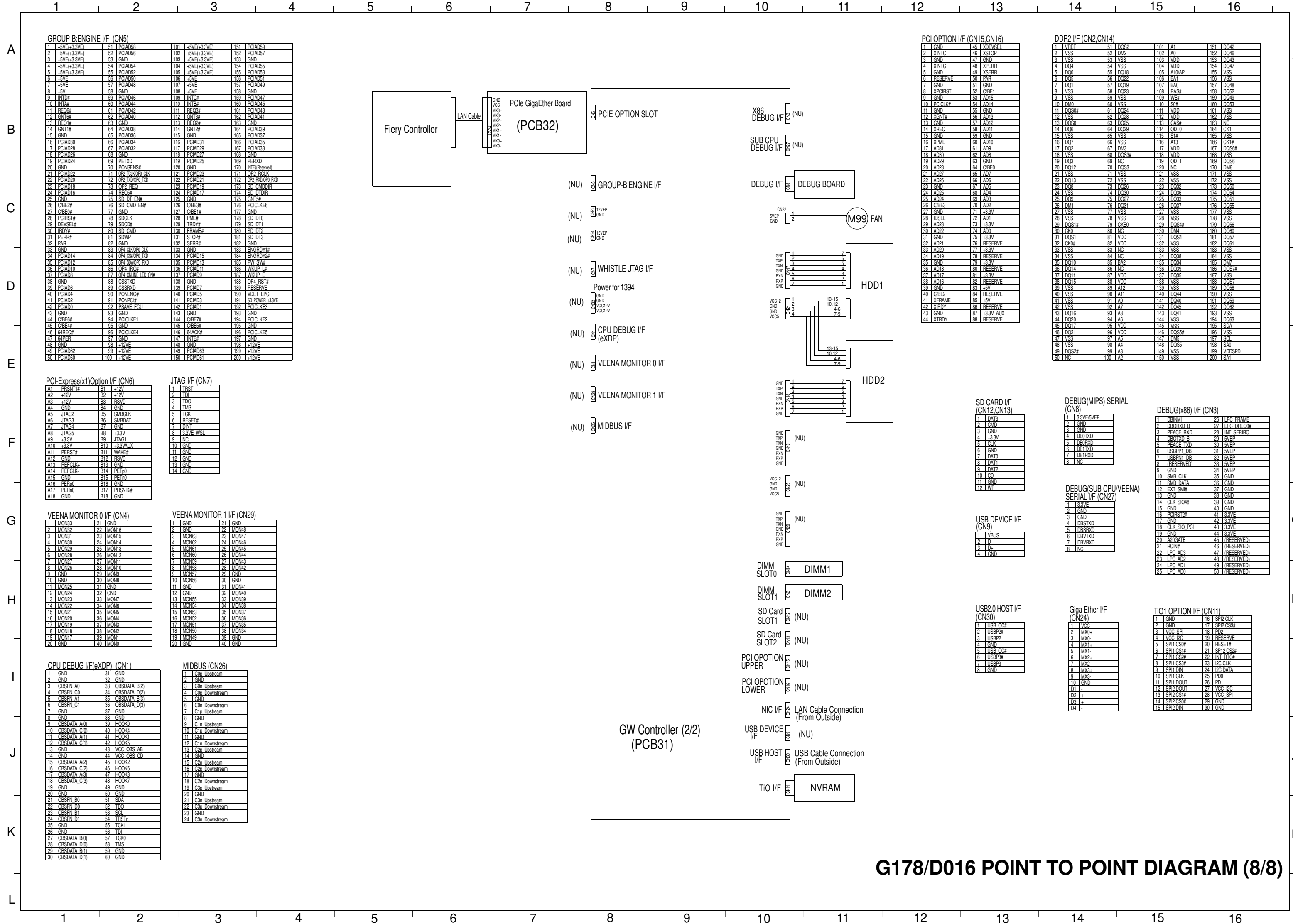


IOB-BCU I/F IOB2(CN301)-BCU(CN204)			
1 GND	51 GND	101 +5V	151 GND
2 GND	52 M. DRUM M. CLK P	102 +5V	152 GATE RTR M CLK P
3 GND	53 GND	103 +5V	153 GND
4 GND	54 C. DRUM M. CLK P	104 +5V	154 UNIT SHIFT M CLK P
5 GND	55 GND	105 +5V	155 GND
6 GND	56 Y. DRUM M. CLK P	106 +5V	156 TR. TIMING M CLK P
7 IOB SEI01 INT1 N	57 GND	107 IOB SEI02 INT1 N	157 GND
8 IOB SEI01 INT0 N	58 IOB1 CONNECT A N	108 IOB SEI02 INT0 N	158 IOB1 CONNECT C N
9 IOB SEI01 CS N	59 SVL TXD DEBUG P	109 IOB SEI02 CS N	159 MST TXD DEBUG P
10 IOB SAB(30)	60 SVL RXD DEBUG P	110 IOB2 RST N	160 MST RXD DEBUG P
11 IOB SAB(29)	61 NC	111 IOB SAB(31)	161 FRONT DOOR OPEN N
12 GND	62 GND	112 GND	162 GND
13 IOB SAB(26)	63 MST LED RED IOB N	113 IOB SAB(28)	163 ERR LED4 IOB N
14 IOB SAB(25)	64 MST LED ORNG IOB N	114 IOB SAB(27)	164 ERR LED3 IOB N
15 IOB SAB(22)	65 MST LED GRN IOB N	115 IOB SAB(24)	165 ERR LED2 IOB N
16 IOB SAB(21)	66 FPGA LED IOB N	116 IOB SAB(23)	166 ERR LED1 IOB N
17 GND	67 GND	117 GND	167 GND
18 IOB SWR N	68 TM SNS F AN	118 IOB SRD N	168 TMS LED F PWM P
19 GND	69 GND	119 GND	169 GND
20 IOB SDB(5)	70 TM SNS C AN	120 IOB SDB(7)	170 TMS LED C PWM P
21 IOB SDB(4)	71 GND	121 IOB SDB(6)	171 GND
22 IOB SDB(1)	72 TM SNS R AN	122 IOB SDB(3)	172 TMS LED R PWM P
23 IOB SDB(0)	73 GND	123 IOB SDB(2)	173 GND
24 GND	74 IOB MEI06 CS N	124 GND	174 IOB MEI06 INT N
25 IOB MST RST SW N	75 IOB MEI05 CS N	125 IOB SVL RST SW N	175 IOB MEI05 INT N
26 GND	76 IOB1 BLUF ENB N	126 BELT SKEW SNS LED P	176 IOB MEI04 INT N
27 BELT SKEW SNS AN	77 IOB MEI02 INT N	127 BELT SKEW SNS SH P	177 IOB MEI03 INT N
28 GND	78 IOB MEI01 INT N	128 SVL LED RED IOB N	178 IOB M. RD. WR. N
29 BELT OVERRUN SNS2 N	79 GND	129 SVL LED ORNG IOB N	179 GND
30 BELT OVERRUN SNS1 N	80 IOB MEI02 CS N	130 SVL LED GRN IOB N	180 IOB MEI04 CS N
31 GND	81 IOB MEI01 CS N	131 GND	181 IOB MEI03 CS N
32 BELT FR REV SNS2 N	82 IOB MAB(30)	132 BELT DR REV SNS2 N	182 IOB1 RST N
33 BELT FR REV SNS1 N	83 IOB MAB(29)	133 BELT DR REV SNS1 N	183 IOB MAB(31)
34 GND	84 GND	134 GND	184 GND
35 IOB PFGATE K N	85 IOB MAB(26)	135 BELT M CLK P	185 IOB MAB(28)
36 RCB RST N	86 IOB MAB(25)	136 GND	186 IOB MAB(27)
37 GND	87 IOB MAB(22)	137 BELT RESERVE SNS N	187 IOB MAB(24)
38 K. DRUM REV SNS2 N	88 IOB MAB(21)	138 TR. TIMING SNS N	188 IOB MAB(23)
39 K. DRUM REV SNS1 N	89 GND	139 IOB2 CONNECT N	189 GND
40 GND	90 IOB MWR N	140 GND	190 IOB MRD N
41 M. DRUM REV SNS2 N	91 GND	141 CIS LED PWM P	191 GND
42 M. DRUM REV SNS1 N	92 IOB MDB(5)	142 GND	192 IOB MDB(7)
43 GND	93 IOB MDB(4)	143 CIS CLK N	193 IOB MDB(6)
44 C. DRUM REV SNS2 N	94 IOB MDB(1)	144 GND	194 IOB MDB(3)
45 C. DRUM REV SNS1 N	95 IOB MDB(0)	145 CIS SYNC P	195 IOB MDB(2)
46 GND	96 GND	146 CIS DIN P	196 GND
47 Y. DRUM REV SNS2 N	97 SBU RST N	147 GND	197 SBU SYCLK P
48 Y. DRUM REV SNS1 N	98 SBU DAGL F SEL P	148 +5VE	198 SBU SYDO P
49 GND	99 SBU SYCS N	149 WKUP AKS N	199 SBU SYDI P
50 K. DRUM M. CLK P	100 GND	150 WKUP DOCSET E	200 GND

GROUP-E-ENGINE I/F IPU(CN421)-Controller(CN31)			
1 +24V	36 PERn3	71 +5V	106 +5VE
2 NC	37 GND	72 NC	107 NC
3 GND	38 PERST#	73 GND	108 GND
4 GND	39 GND	74 GND	109 GND
5 RSVD	40 RSVD	75 GND	110 GND
6 WAKE#(NC)	41 RSVD(OP4 BUZZER)	76 GND	111 NC
7 GND	42 GND	77 GND	112 +12V
8 REFCLK1+	43 GND	78 NC	113 +12V
9 REFCLK1-	44 GND	79 +5VE	114 +12V
10 GND	45 GND	80 +5VE	115 +12V
11 REFCLK0+	46 GND	81 +5VE	116 +12V
12 REFCLK0-	47 PETXD	82 +5VE	117 +12V
13 GND	48 PERXD	83 +5VE	118 +12V
14 PETp0	49 GND	84 +5VE	119 +12V
15 PETn0	50 TIMER UP#	85 +5VE	120 +12V
16 GND	51 ENG ENABLE#	86 +5VE	121 +12V
17 PERp0	52 GND	87 +5VE	122 +12V
18 PERn0	53 PONSNS#	88 +5VE	123 +12V
19 GND	54 ENGRDY1#	89 +5VE	124 +12V
20 PETp1	55 GND	90 +5VE	125 NC
21 PETn1	56 PW SW#	91 +5VE	126 GND
22 GND	57 WKUP LF	92 +5VE	127 OP2 TCLK
23 PERp1	58 WKUP E	93 +5VE	128 OP2 TXD
24 PERn1	59 VDET EPCI	94 +5VE	129 OP2 REQ
25 GND	60 PONENG#	95 +5VE	130 OP2 RCLK
26 PETp2	61 GND	96 +5VE	131 OP2 RXD
27 PETn2	62 PONPC#	97 +5VE	132 GND
28 GND	63 PSAVE FCU	98 +5VE	133 NC(OP0 CLK)
29 PERp2	64 GND	99 +5VE	134 GND
30 PERn2	65 USB 0D+	100 +5VE	135 NC(OP0 TXD)
31 GND	66 USB 0D-	101 +5VE	136 NC(OP0 RXD)
32 PETp3	67 GND	102 +5VE	137 NC(OP4 IRQ#)
33 PETn3	68 USB 1D+	103 +5VE	138 NC(OP4 ONLINE LED ON#)
34 GND	69 USB 1D-	104 +5VE	139 NC(OP4 RST#)
35 PERp3	70 GND	105 +5VE	140 GND

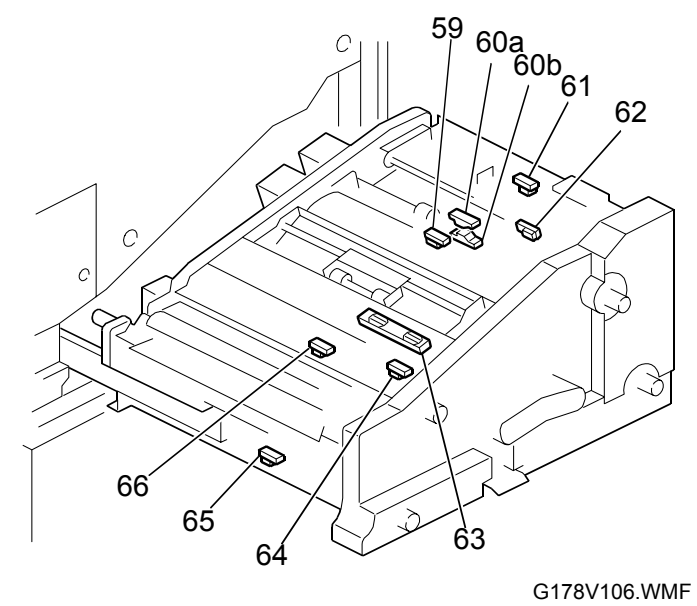
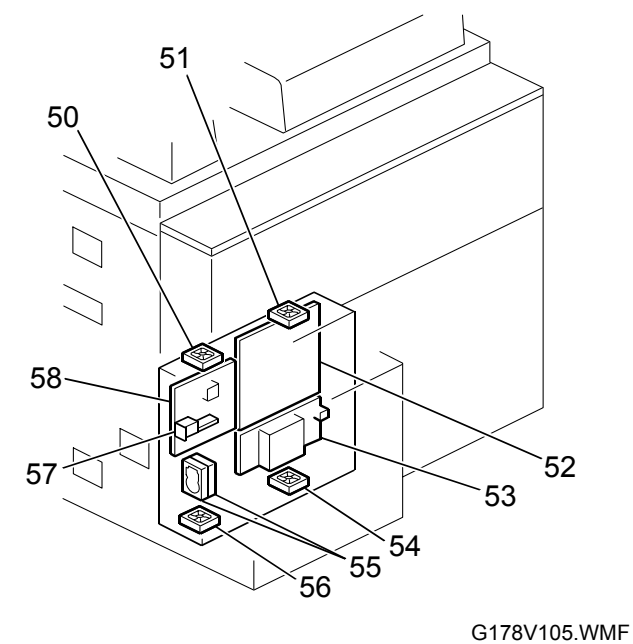
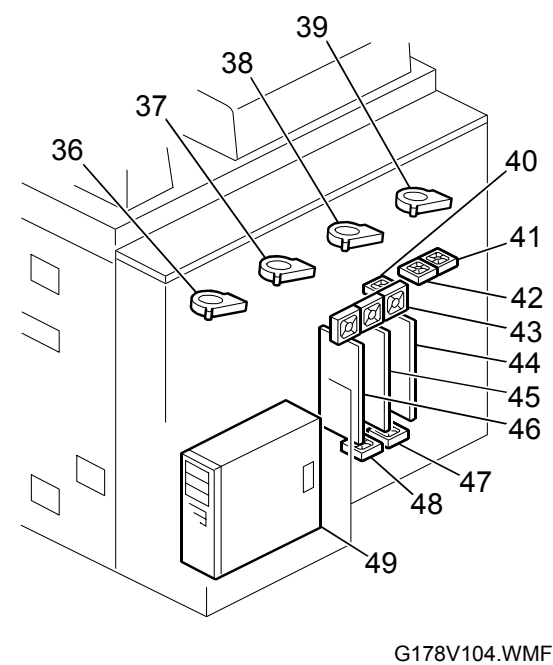
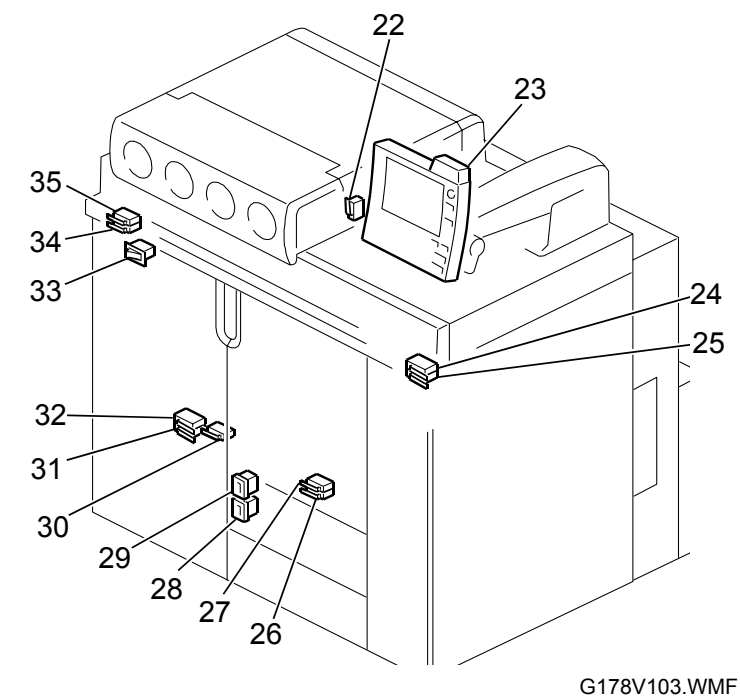
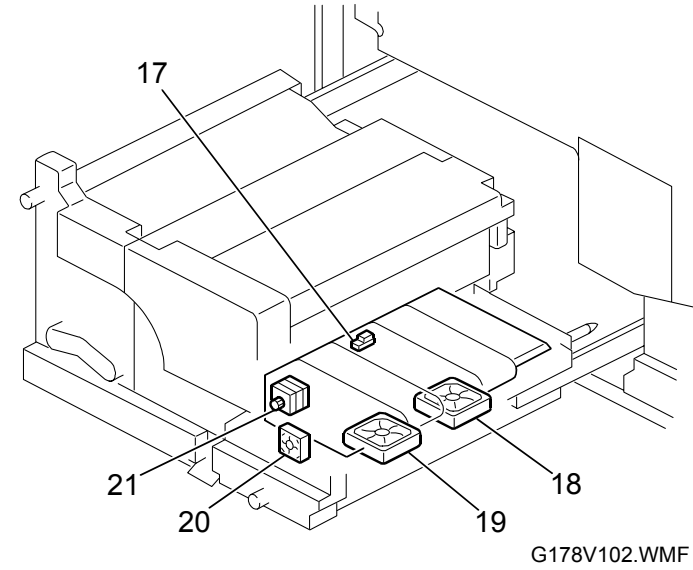
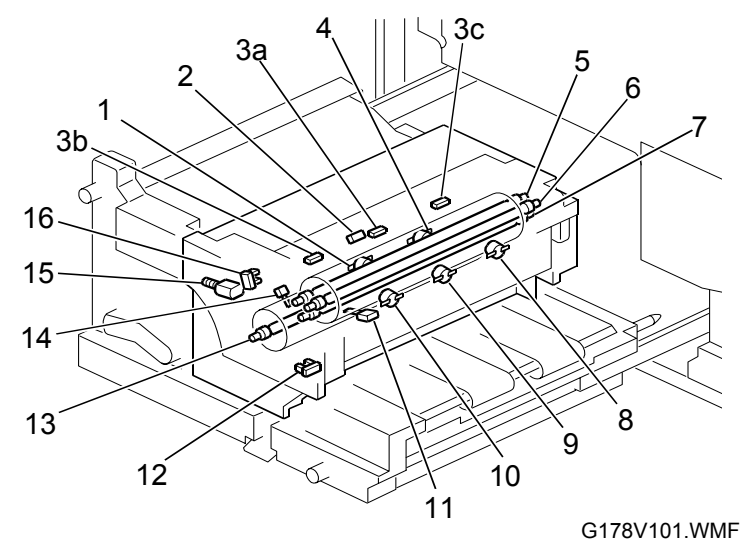
Counter (MKB) CN3 to IOB1 CN254			
MKB CN3-13	CN254-1	MKB +5V	
-12	-2	MKB Set Detection	
-11	-3	MKB B0(Size)	
-10	-4	MKB B1(Size)	
-9	-5	MKB B2(Size)	
-8	-6	MKB B3(Size)	
-7	-7	MKB B4(Size)	
-6	-8	MKB B5(Size)	
-5	-9	MKB B6(Duplex)	
-4	-10	MKB B7(Motor)	
-3	-11	MKB GND	
-2	-12	MKB Control	
-1	-13	MKB +24V_CNT	

G178/D016 POINT TO POINT DIAGRAM (7/8)

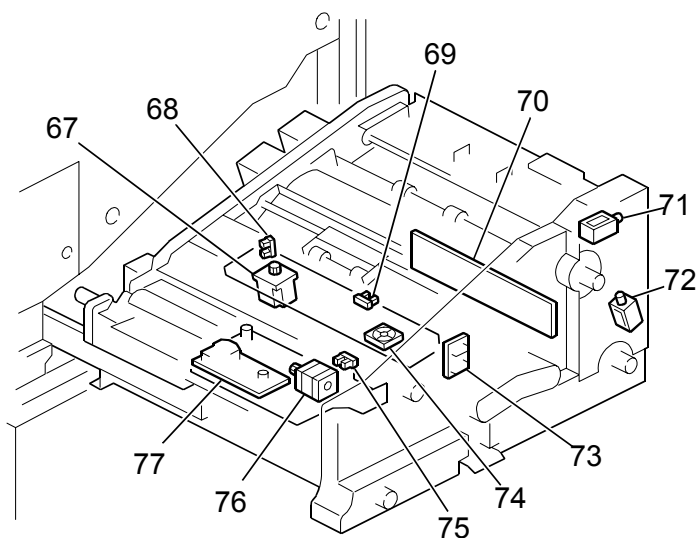


G178/D016 POINT TO POINT DIAGRAM (8/8)

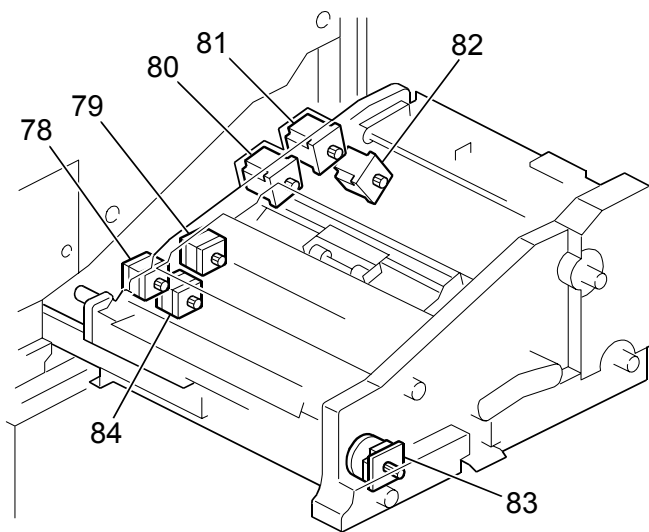
G178/D016 ELECTRICAL COMPONENT LAYOUT (1/5)



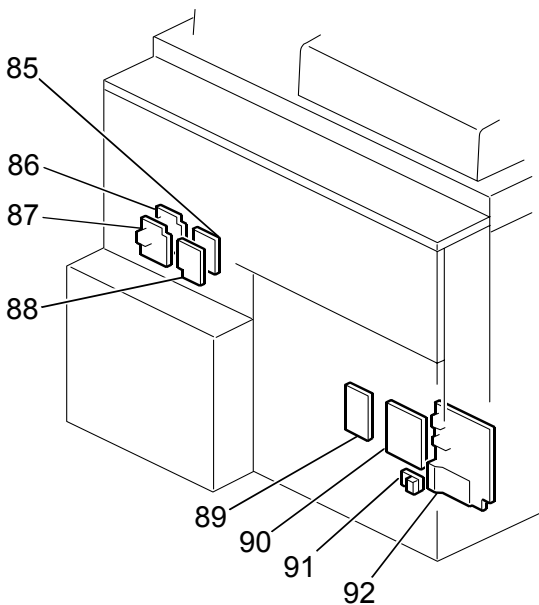
G178/D016 ELECTRICAL COMPONENT LAYOUT (2/5)



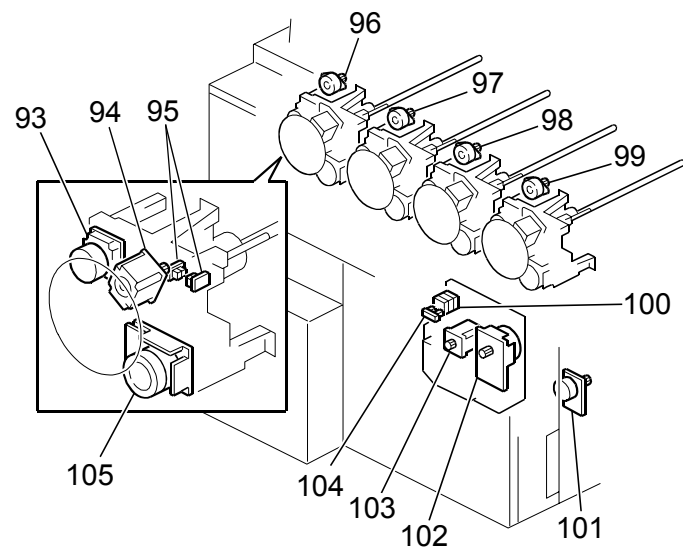
G178V107.WMF



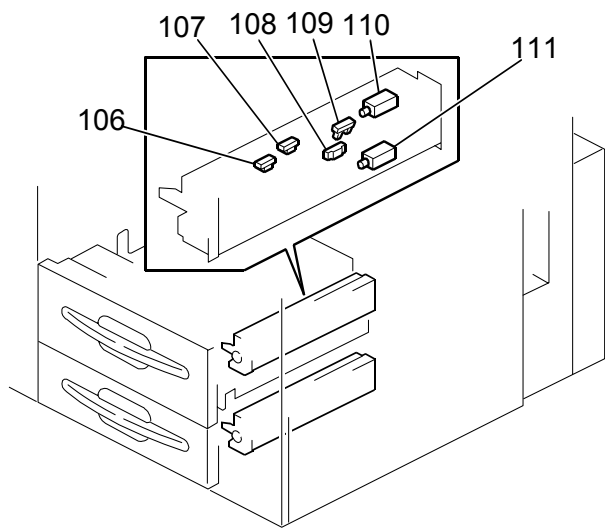
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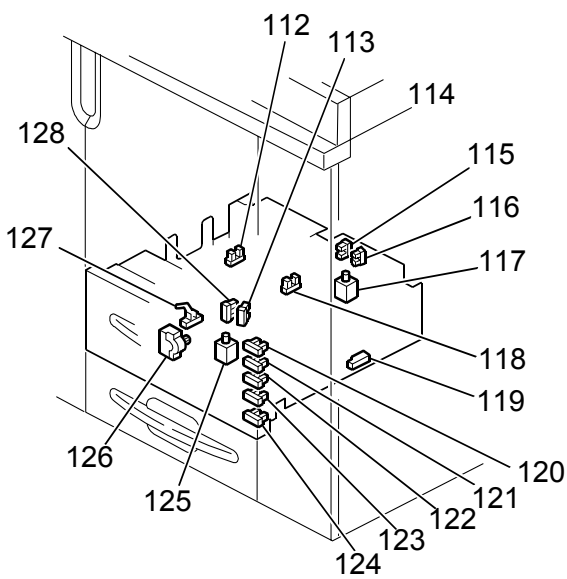
G178V109.WMF



G178V110.WMF

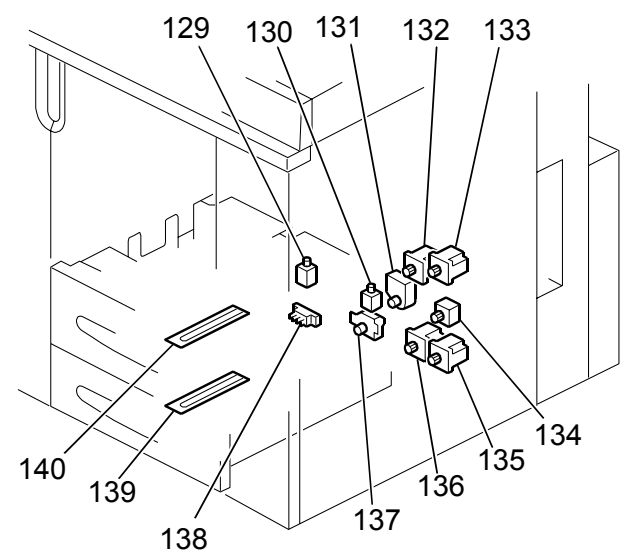


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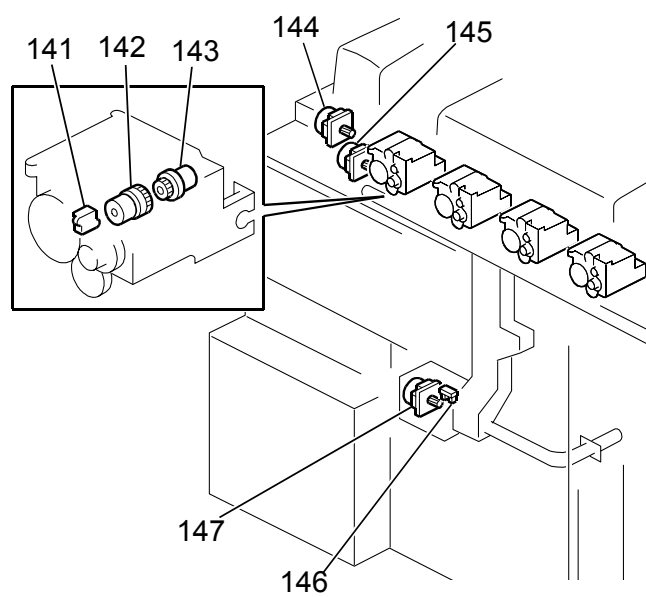


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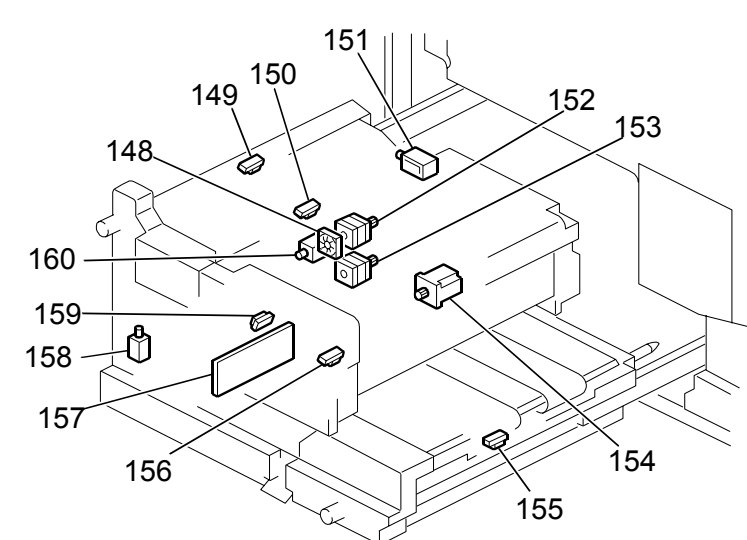
G178/D016 ELECTRICAL COMPONENT LAYOUT (3/5)



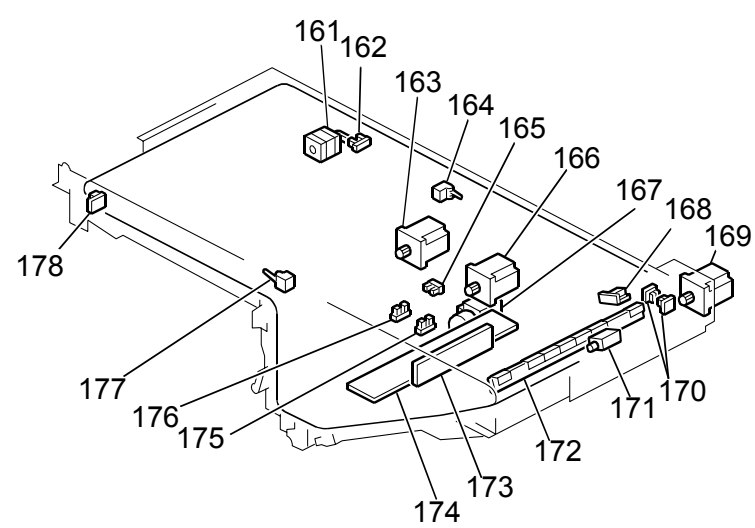
G178V113.WMF



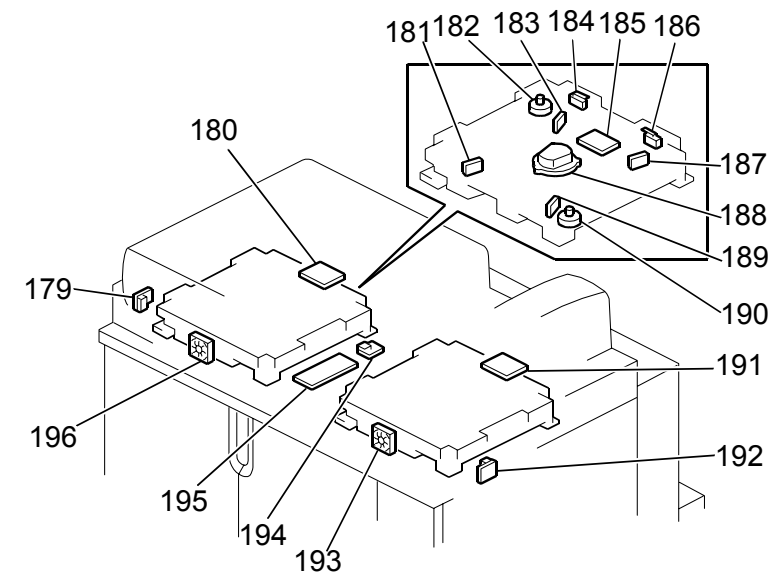
G178V114.WMF



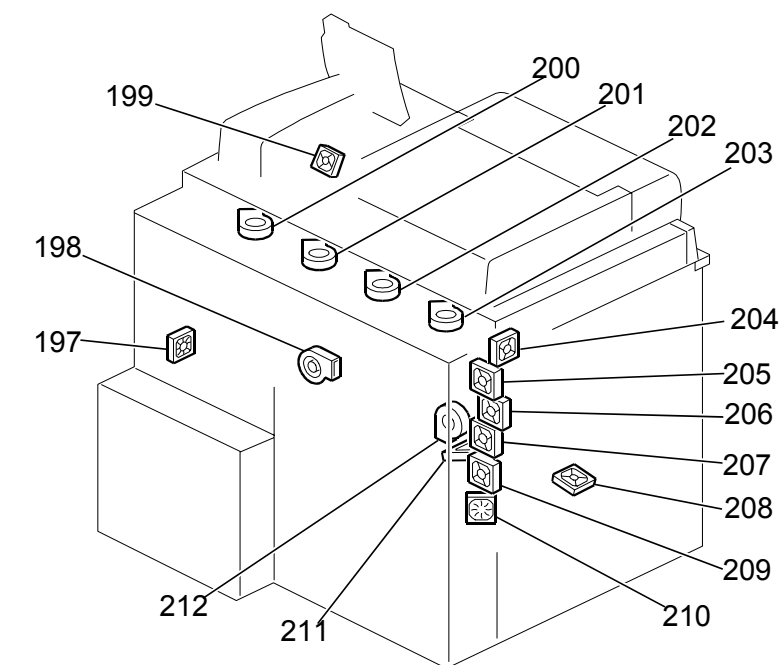
G178V115.WMF



G178V116.WMF

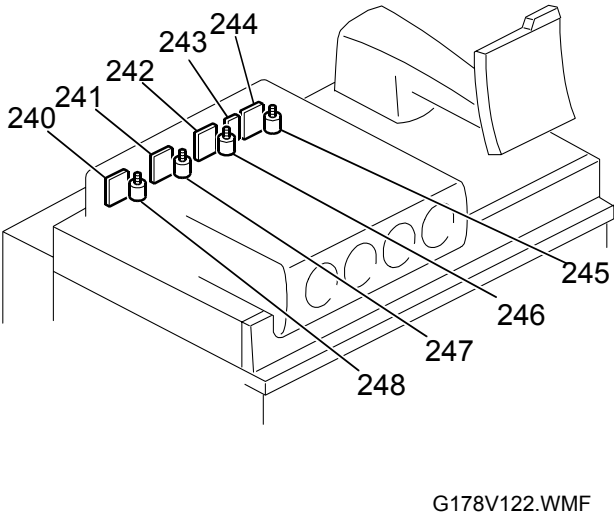
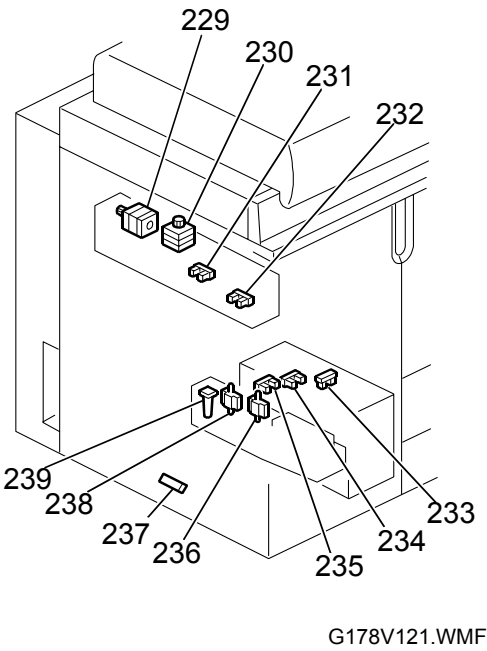
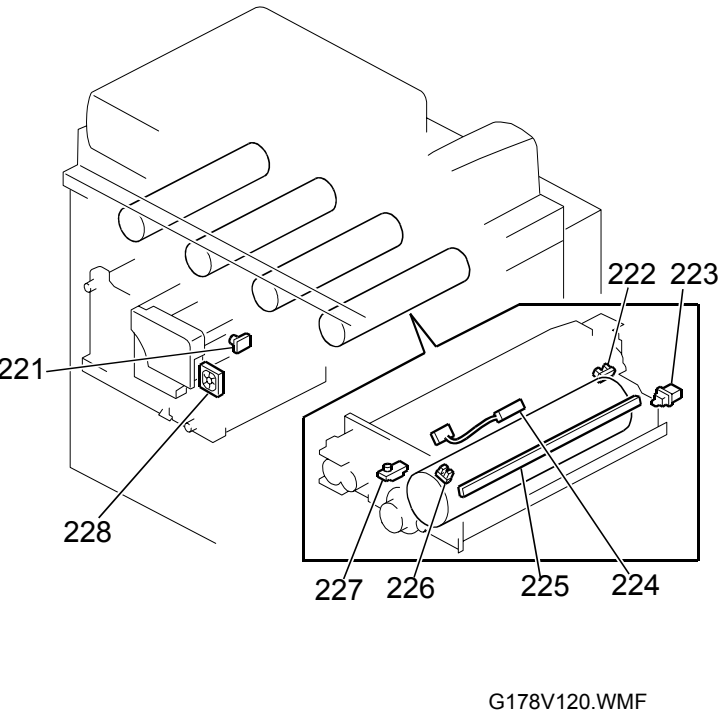
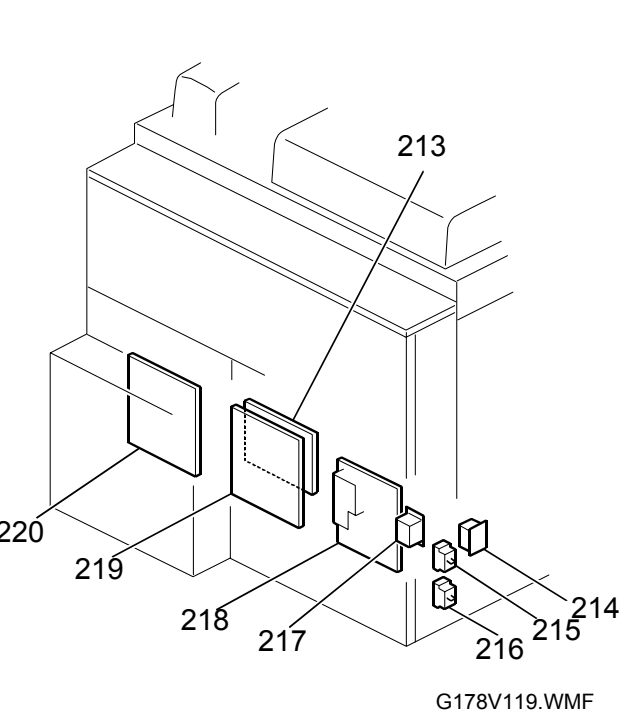


G178V117.WMF



G178V118.WMF

G178/D016 ELECTRICAL COMPONENT LAYOUT (4/5)



Symbol	Index No.	Description	P to P
Motors			
M1	39	Ozone Fan-Y	1-A4
M2	38	Ozone Fan-M	1-A4
M3	37	Ozone Fan-C	1-A4
M4	36	Ozone Fan-K	1-B4
M5	40	Fusing Exhaust Fan 1	1-B3
M6	42	Fusing Exhaust Fan 2	1-B3
M7	41	Fusing Exhaust Fan 3	1-B3
M8	43	PSU Fan 1	1-C3
M9	43	PSU Fan 2	1-C3
M10	43	PSU Fan 3	1-C3
M11	48	PSU Fan 4	1-C3
M12	47	PSU Fan5	1-C3
M13	208	Paper Cooling Fan 3	1-A13
M14	205	Fusing Fan 1	2-B3
M15	206	Fusing Fan 2	2-C3
M16	207	Fusing Fan 3	2-C3
M17	204	Fusing Fan 4	2-C3
M18	198	Fusing Fan 5	2-D4
M19	212	Fusing Fan 6	2-D4
M20	211	Paper Cooling Fan 1	2-D4
M21	209	Paper Cooling Fan 2	2-D4
M22	228	ITB FAN	2-C2
M23	210	Exit Fan	2-C3
M24	102	Fusing Motor	2-G2
M25	101	Paper Exit Motor	2-G3
M26	229	Decarler Feed Motor	2-I3
M27	230	Decarler Drive Motor	2-I3
M28	103	Pressure Roller Lift Motor	2-J2
M29	100	Oil Supply Motor	2-J2
M30	15	Web Motor	2-B12
M31	19	PTB FAN 1	2-F16
M32	18	PTB FAN 2	2-F16
M33	20	PTB Cooling Fan	2-G15
M34	21	PTB Motor	2-G15
M35	148	Inverter Motor Fan	2-J15
M36	154	Duplex Transport Motor 1	2-J15
M37	152	Inverter Motor	2-J15
M38	153	Switchback Motor	2-K15
M39	167	ITB Drive Motor	3-C2
M40	161	Belt Centering Roller Motor	3-C2
M41	163	ITB Color Lift Motor	3-D2
M42	166	ITB Black Lift Motor	3-D2
M43	167	ITB Cleaning Motor	3-G2
M44	147	Waste Toner Transport Motor 2	3-C8
M45	126	Rear Fence Drive Motor	3-D14
M46	131	1st Tray Lift Motor	3-H14
M47	137	2nd Tray Lift Motor	3-H14
M48	133	1st Grip Motor	3-I14
M49	134	Vertical Relay Motor	3-J13
M50	135	2nd Grip Motor	3-J13
M51	132	1st Paper Feed Motor	3-J13
M52	136	2nd Paper Feed Motor	3-K13
M53	105	Development Motor Y	4-H3
M54	105	Development Motor M	4-H3
M55	105	Development Motor C	4-I3
M56	105	Development Motor K	4-I3
M57	199	Development CK Fan	4-B14
M58	197	Registration Fan	4-C6
M59	99	Charge Unit Cleaning Motor Y	4-D7
M60	98	Charge Unit Cleaning Motor M	4-D7

Symbol	Index No.	Description	P to P
Motors			
M61	97	Charge UnitCleaning Motor C	4-E7
M62	96	Charge Unit Cleaning Motor K	4-E7
M63	94	Drum Motor Y	4-F7
M64	94	Drum Motor M	4-F7
M65	94	Drum Motor C	4-F7
M66	94	Drum Motor K	4-G7
M67	93	Drum Cleaning Motor C	4-D12
M68	93	Drum Cleaning Moto K	4-E12
M69	93	Drum Cleaning Moto Y	4-F12
M70	93	Drum Cleaning Moto M	4-G12
M71	203	Development Fan Y	4-K11
M72	202	Development Fan M	4-K11
M73	201	Development Fan C	4-K11
M74	200	Development Fan K	4-K11
M75	248	Toner Bottle Motor Y	5-D3
M76	247	Toner Bottle Motor M	5-D3
M77	246	Toner Bottle Motor C	5-E3
M78	245	Toner Bottle Motor K	5-E3
M79	144	Toner Supply Motor	5-G5
M80	82	Registration Entrance Motor	5-B15
M81	81	Registration Timing Motor	5-B15
M82	67	Shift Roller Unit Motor	5-B15
M83	80	Registration Gate Motor	5-C15
M84	78	PTR Timing Motor	5-C15
M85	84	Duplex Transport Motor 2	5-D15
M86	76	PTR Lift Motor	5-D15
M87	79	Shift Roller Unit Motor	5-D15
M88	83	PTR Motor	5-F14
M89	74	CIS Fan	5-J15
M90	145	Waste Toner Transport Motor 1	5-G5
M91	188	Polygon Motor YM	6-A2
M92	182	BTL Adjustment Motor Y	6-B4
M93	190	BTL Adjustment Motor M	6-F2
M94	196	YM Laser Unit Fan	6-K4
M95	188	Polygon Motor KC	6-A14
M96	182	BTL Adjustment Motor C	6-B12
M97	190	BTL Adjustment Motor K (Not used)	6-G13
M98	193	CK Laser Unit Fan	6-K11
M99	-	Controller Board Fan	8-C11
M100	50	Controller Fan1	7-A4
M101	51	Controller Fan2	7-A4
M102	56	Controller Fan3	7-A4
M103	54	Controller Fan4	7-B4
Sensors			
S1	239	Oil End Sensor	2-E3
S2	237	Switchback Lower Sensor	2-H2
S3	231	Decurler Unit HP Sensor	2-H2
S4	232	Decurler Unit Limit Sensor	2-H2
S5	12	Pressure Roller Lift Sensor	2-A11
S6	16	Web End Sensor	2-A11
S7	2	Accordion Jam Sensor	2-C12
S8	3	Fusing Exit Sensor: Center	2-C12
S9	17	PTB Jam Sensor	2-E16
S10	129	Switchback Sensor	2-E16
S11	156	Duplex Transport Sensor 1	2-E16
S12	155	Duplex Transport Sensor 2	2-F16
S13	149	Paper Exit Sensor	2-H15
S14	150	Exit Junction Timing Sensor	2-I15
S15	104	Oil Supply Unit Sensor	2-E3
S16	162	Belt Centering Roller Sensor	3-E2

G178/D016 ELECTRICAL COMPONENT LAYOUT (5/5)

Symbol	Index No.	Description	P to P
Sensors			
S17	165	ITB Cleaning Unit Set Sensor	3-E2
S18	164	Belt Overrun Sensor Rear	3-E2
S19	170	ITB Motor Rotation Sensor 1	3-E2
S20	170	ITB Motor Rotation Sensor 2	3-D2
S21	168	Belt Centering Sensor	3-F3
S22	177	Belt Overrun Sensor Front	3-F2
S23	175	ITB Black Lift Sensor	3-F2
S24	176	ITB Color Lift Sensor	3-G2
S25	178	Belt Speed Sensor	3-G2
S26	172	ID/MUSIC Sensors	3-H5
S27	233	Waste Toner Bottle Set Sensor	3-A7
S28	234	Waste Toner Bottle Full Sensor	3-A7
S29	235	Waste Toner Bottle Near-Full Sensor	3-B7
S30	146	Waste Toner Transport Motor 2 Sensor	3-C8
S31	113	Front Side Fence Open Sensor	3-A14
S32	128	Front Side Fence Close Sensor	3-A14
S33	116	Rear Side Fence Open Sensor	3-B14
S34	115	Rear Side Fence Close Sensor	3-B14
S35	119	Right Tray 1 Paper Sensor	3-B14
S36	123	Paper Height Sensor 4	3-C15
S37	122	Paper Height Sensor 3	3-C15
S38	121	Paper Height Sensor 2	3-C15
S39	120	Paper Height Sensor 1	3-C15
S40	124	Lower Limit Sensor	3-C15
S41	112	Rear Fence HP Sensor	3-D14
S42	118	Rear Fence Return Sensor	3-D14
S43	127	Left Tray Paper Sensor	3-D14
S44	106	Paper Feed Sensor 1	3-E14
S45	107	Paper End Sensor 1	3-E14
S46	109	Tray Lift Sensor 1	3-E14
S47	108	Vertical Transport Sensor 1	3-F14
S48	106	Paper Feed Sensor 2	3-F13
S49	107	Paper End Sensor 2	3-G13
S50	109	Tray Lift Sensor 2	3-G13
S51	108	Vertical Transport Sensor 2	3-G13
S52	179	Temperature/Humidity Sensor Y	4-A2
S53	91	Temperature/Humidity Sensor: Rear Bottom	4-B2
S54	192	Temperature/Humidity Sensor K	4-B2
S55	222	Development Roller Rotation Sensor C	4-C2
S56	227	TD Sensor C	4-C2
S57	222	Development Roller Rotation Sensor K	4-D2
S58	227	TD Sensor K	4-D2
S59	222	Development Roller Rotation Sensor Y	4-E2
S60	227	TD Sensor Y	4-F2
S61	222	Development Roller Rotation Sensor M	4-F2
S62	227	TD Sensor M	4-G2
S63	95	Drum Rotation Sensor Y-1	4-J3
S64	95	Drum Rotation Sensor Y-2	4-J3
S65	95	Drum Rotation Sensor M-1	4-J3
S66	95	Drum Rotation Sensor M-2	4-K3
S67	95	Drum Rotation Sensor C-1	4-K3
S68	95	Drum Rotation Sensor C-2	4-K3
S69	95	Drum Rotation Sensor K-1	4-K3
S70	95	Drum Rotation Sensor K-2	4-L3
S71	194	Temperature/Humidity Sensor: Laser Unit	4-A12
S72	224	Drum Potential Sensor Y	4-A16
S73	224	Drum Potential Sensor M	4-B16
S74	224	Drum Potential Sensor C	4-B16
S75	224	Drum Potential Sensor K	4-C16
S76	226	Charge Cleaning Unit HP Sensor Y	4-B12
S77	226	Charge Cleaning Unit HP Sensor M	4-B12
S78	226	Charge Cleaning Unit HP Sensor C	4-C12
S79	226	Charge Cleaning Unit HP Sensor K	4-C12

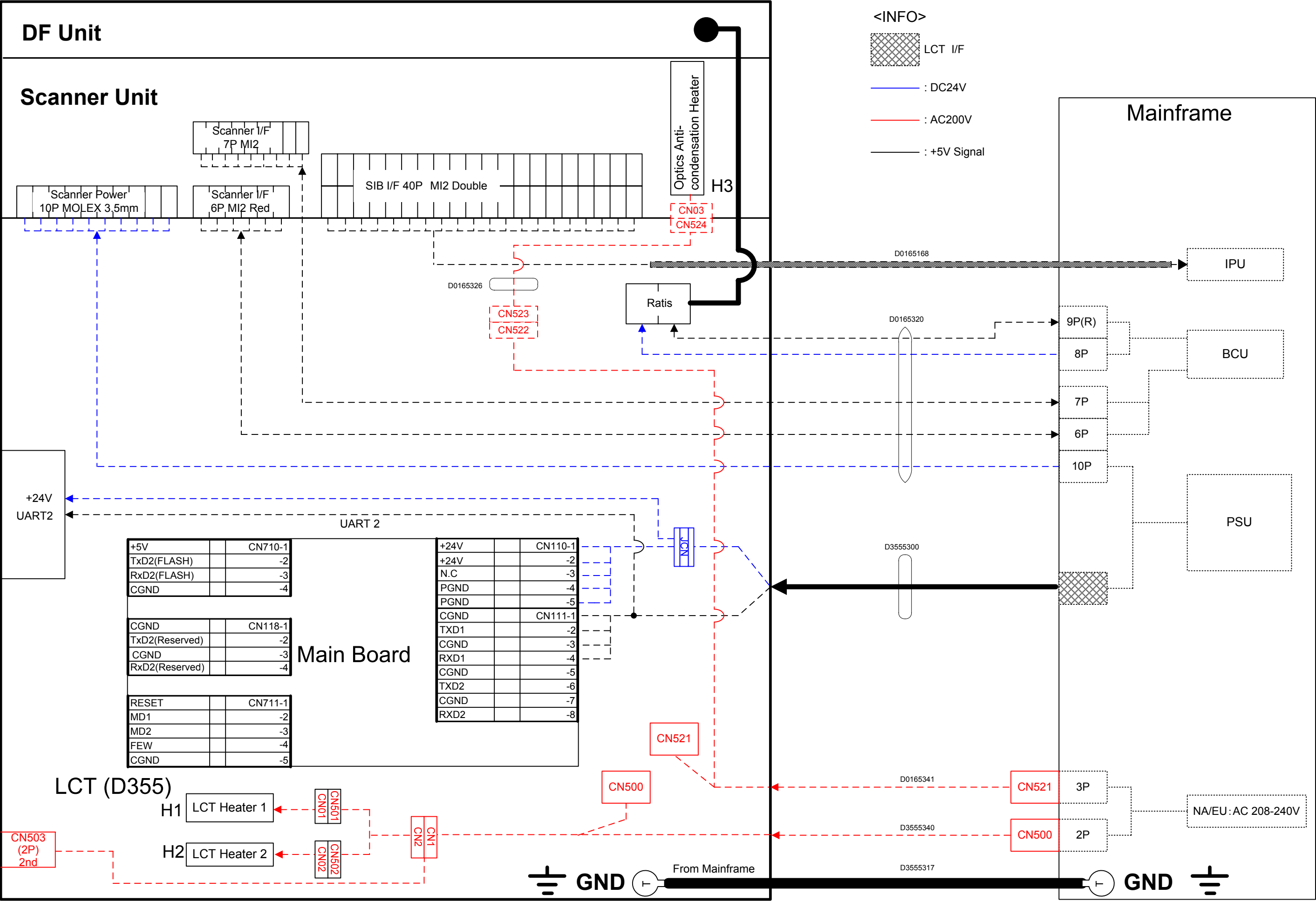
Symbol	Index No.	Description	P to P
Sensors			
S80	141	Toner End Sensor Y	5-B5
S81	141	Toner End Sensor M	5-B5
S82	141	Toner End Sensor C	5-B5
S83	141	Toner End Sensor K	5-B5
S84	62	Registration Entrance Sensor	5-B9
S85	61	LCT Entrance Sensor	5-B9
S86	59	Registration Timing Sensor	5-G15
S87	66	PTR Timing Sensor	5-G15
S88	69	Registration Gate Lift Sensor	5-G15
S89	60b	Double-feed Sensor (Reception)	5-H15
S90	68	Shift Roller HP Sensor	5-H15
S91	75	PTR Lift Sensor	5-I15
S92	65	Duplex Transport Sensor 3	5-I15
S93	64	Duplex Transport Sensor 4	5-I15
S94	183	Laser Synchronizing Detector Y: LE	6-F3
S95	181	Laser Synchronizing Detector Y: TE	6-F3
S96	189	Laser Synchronizing Detector M: LE	6-K2
S97	187	Laser Synchronizing Detector M: TE	6-K2
S98	183	Laser Synchronizing Detector C: LE	6-F13
S99	181	Laser Synchronizing Detector C: TE	6-F13
S100	189	Laser Synchronizing Detector K: LE	6-J13
S101	187	Laser Synchronizing Detector K: TE	6-K13
S102	3b	Fusing Exit Sensor: Front	2-C12
S103	3c	Fusing Exit Sensor: Rear	2-C12
PCBs			
PCB1	46	PSU-EB	1-D3
PCB2	44	PSU-EA1	1-F3
PCB3	45	PSU-EA2	1-I3
PCB4	220	IOB 1	1-A7 4-K7
PCB5	219	IOB 2	1-A10 2-C6 3-K10 5-I8 7-B2
PCB6	89	Relay Board	1-J8 2-E8 3-D8
PCB7	90	FIB	1-C13
PCB8	218	AC Drive Board	1-G12
PCB9	92	PSU-G	1-C16
PCB10	156	PDB1	2-K11
PCB11	192	Potential Sensor Board	4-A15
PCB12	243	RFID CPU	5-G3
PCB13	244	RFID K	5-H3
PCB14	242	RFID C	5-I3
PCB15	241	RFID M	5-K3
PCB16	240	RFID Y	5-K5
PCB17	70	RCB	5-I11
PCB18	73	CIS Relay Board	5-I15
PCB19	185	Polygon Motor Drive Board YM	6-B3
PCB20	-	LDB Y	6-B2
PCB21	-	LDB M	6-G2
PCB22	180	OPI YM	6-J5
PCB23	191	OPI CK	6-J10
PCB24	52	IPU	6-C8 7-I7
PCB25	185	Polygon Motor Drive Board CK	6-B12
PCB26	-	LDB C	6-B13
PCB27	-	LDB K	6-G13
PCB28	213	BCU	7-C2
PCB29	53	PSU-C	7-J5
PCB30	23	OPU	7-E11
PCB31	58	GW Controller	8-J8
PCB32	57	GigaEthernet Board	8-B7
Switches			
SW1	33	Main Switch	1-K6
SW2	26/27	Front Door SW - R	1-A14
SW3	31/32	Front Door SW - L	1-A13

Symbol	Index No.	Description	P to P
Switches			
SW4	30	Front Left Door Open Switch	1-B13
SW5	34/35	Upper Front Cover SW -L	1-A16
SW6	24/25	Upper Front Cover SW -R	1-B16
SW7	138	Paper Size Switch	3-I13
SW8	223	Drum Cleaning Unit Set SW C	4-D12
SW9	223	Drum Cleaning Unit Set SW K	4-E12
SW10	223	Drum Cleaning Unit Set SW Y	4-F12
SW11	223	Drum Cleaning UnitSet SW M	4-G12
SW12	22	Toner Hopper Door Switch	5-D4
SW13	184/186	Laser Unit MY Cover Switch	6-J4
SW14	184/186	Laser Unit CK Cover Switch	6-J12
Solenoids			
SOL1	160	Inverter Roller Solenoid	2-G14
SOL2	158	Switchback Junction Gate Solenoid	2-H14
SOL3	151	Exit Junction Gate Solenoid	2-G15
SOL4	171	ID Sensor Shutter Solenoid	3-D2
SOL5	125	Front Side Fence Solenoid	3-B14
SOL6	117	Rear Side Fence Solenoid	3-B14
SOL7	110	Pick-up Solenoid 1	3-F14
SOL8	111	Separation Roller Solenoid 1	3-F14
SOL9	110	Pick-up Solenoid 2	3-G14
SOL10	111	Separation Roller Solenoid 2	3-G14
SOL11	129	Left Tray Lock Solenoid	3-H14
SOL12	130	Tandem Tray Connect Solenoid	3-H14
SOL13	72	Registration Entrance Solenoid	5-E15
SOL14	71	LCT Entrance Solenoid	5-E15
Thermostats			
TS1	8	Thermostat 1	1-F15
TS2	9	Thermostat 2	1-F16
TS3	10	Thermostat 3	1-F15
TS4	1	Thermostat 4	1-G15
TS5	4	Thermostat 5	1-G15
Lamps			
L1	5	Fusing Lamp 1	1-G16
L2	6	Fusing Lamp 2	1-G16
L3	7	Fusing Lamp 3	1-H16
L4	13	Fusing Lamp 4	1-H16
HVPSes			
HVPS1	174	Image Transfer HVPS	3-I5
HVPS2	88	CGB HVPS-Y	4-G14
HVPS3	87	CGB HVPS-M	4-H14
HVPS4	85	CGB HVPS-C	4-I14
HVPS5	86	CGB HVPS-K	4-K14
HVPS6	77	Separation HVPS	5-F15
Clutches			
MC1	142	Toner Supply Clutch K	5-B2
MC2	142	Toner Supply Clutch C	5-B2
MC3	142	Toner Supply Clutch M	5-B2
MC4	142	Toner Supply Clutch Y	5-B3
MC5	143	Toner Pump Clutch K	5-B3
MC6	143	Toner Pump Clutch C	5-B3
MC7	143	Toner Pump Clutch M	5-B3
MC8	143	Toner Pump Clutch Y	5-B4
LEDs			
LED1	225	Quenching Lamp Y	4-B12
LED2	225	Quenching Lamp M	4-B12
LED3	225	Quenching Lamp C	4-C13
LED4	225	Quenching Lamp K	4-C13

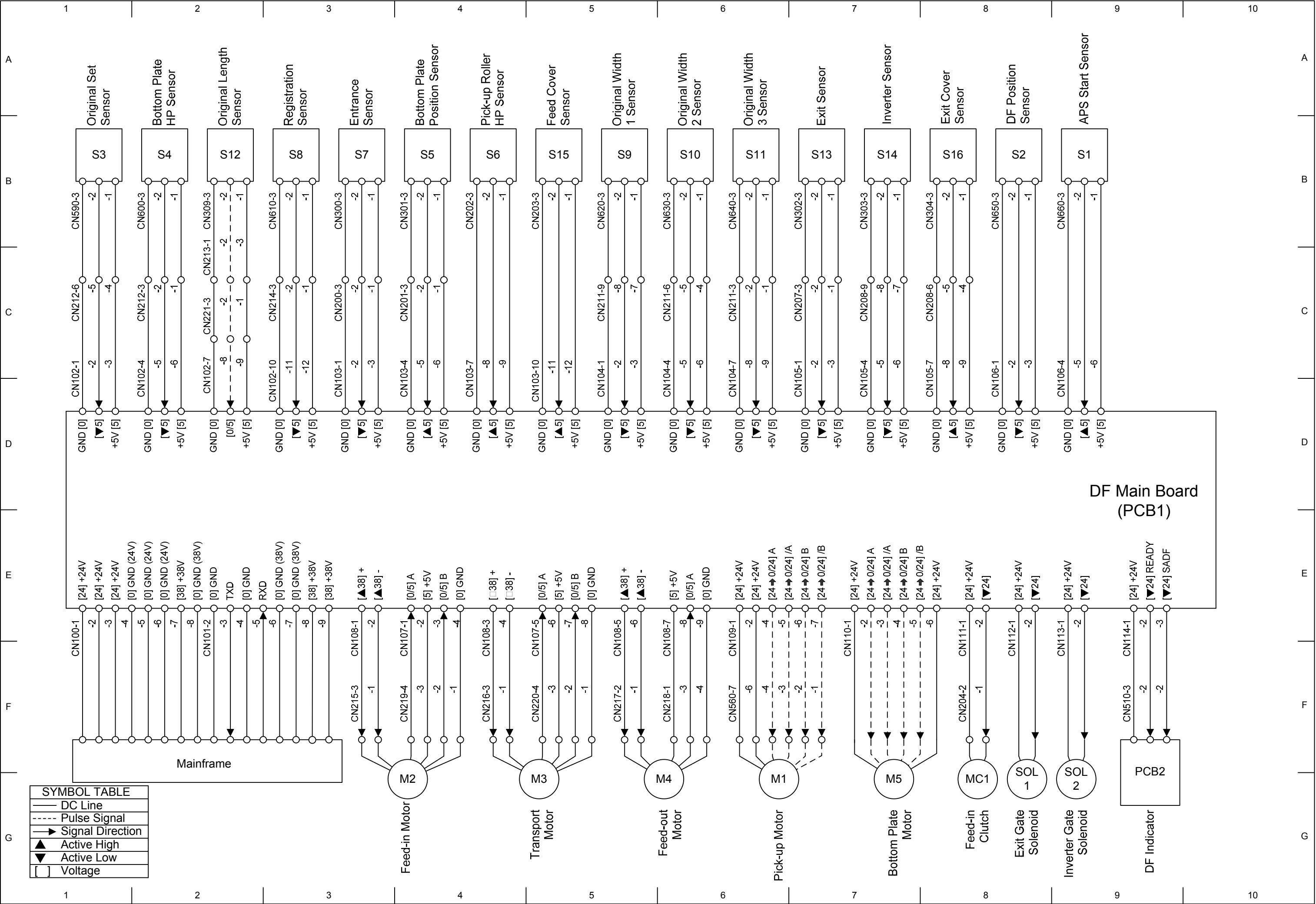
Counters			
C1	29	Mechanical Counter 1	1-A12
C2	28	Mechanical Counter 2	1-A12

Symbol	Index No.	Description	P to P
Others			
P1	236	Oil Pump 1	1-E15
P2	238	Oil Pump 2	1-E15
P3		Oil Pump 3	1-E16
P4		Oil Pump 4	1-E17
P5		Oil Pump 5	1-E18
P6		Oil Pump 6	1-E19
P7		Oil Pump 7	1-E20
P8		Oil Pump 8	1-E21
P9		Oil Pump 9	1-E22
P10		Oil Pump 10	1-E23
P11		Oil Pump 11	1-E24
CB1	216	Braker 2	1-L25
CB2	215	Braker 1	1-E26
TP1	221	Thermopile	2-D2
TH1	11	Thermistor 1	2-B11
TH2	14	Thermistor 2	2-B11
H1	140	Tray Heater	3-J15
H2	139	UVTray Heater	3-J15
CIS1	63	CIS	5-J16
LED5	60a	Double-feed Sensor (LED)	5-G15
ID Chip 1	-	ID Chip K	5-H2
ID Chip 2	-	ID Chip C	5-I2
ID Chip 3	-	ID Chip M	5-K2
ID Chip 4	-	ID Chip Y	5-J5
NVRAM	-	NVRAM	8-J11
HDD1	55	HDD1	8-D11
HDD2	55	HDD2	8-E11
DIMM1	-	DIMM1	8-H11
DIMM2	-	DIMM2	8-H11
CTL	49	Fiery Controller	8-B5

LCT-MF POINT TO POINT DIAGRAM (1/4)



LCT-MF POINT TO POINT DIAGRAM (2/4)

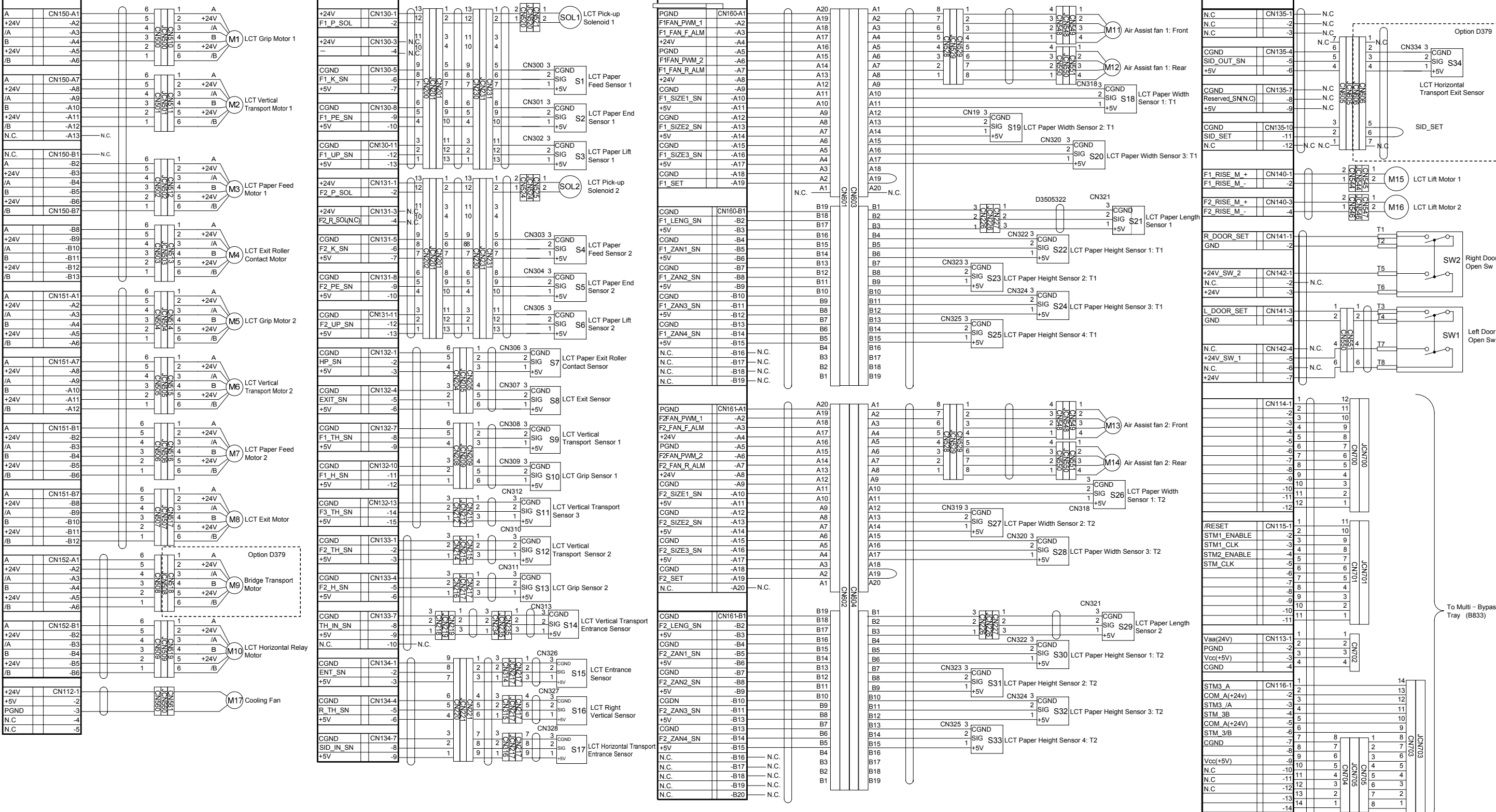


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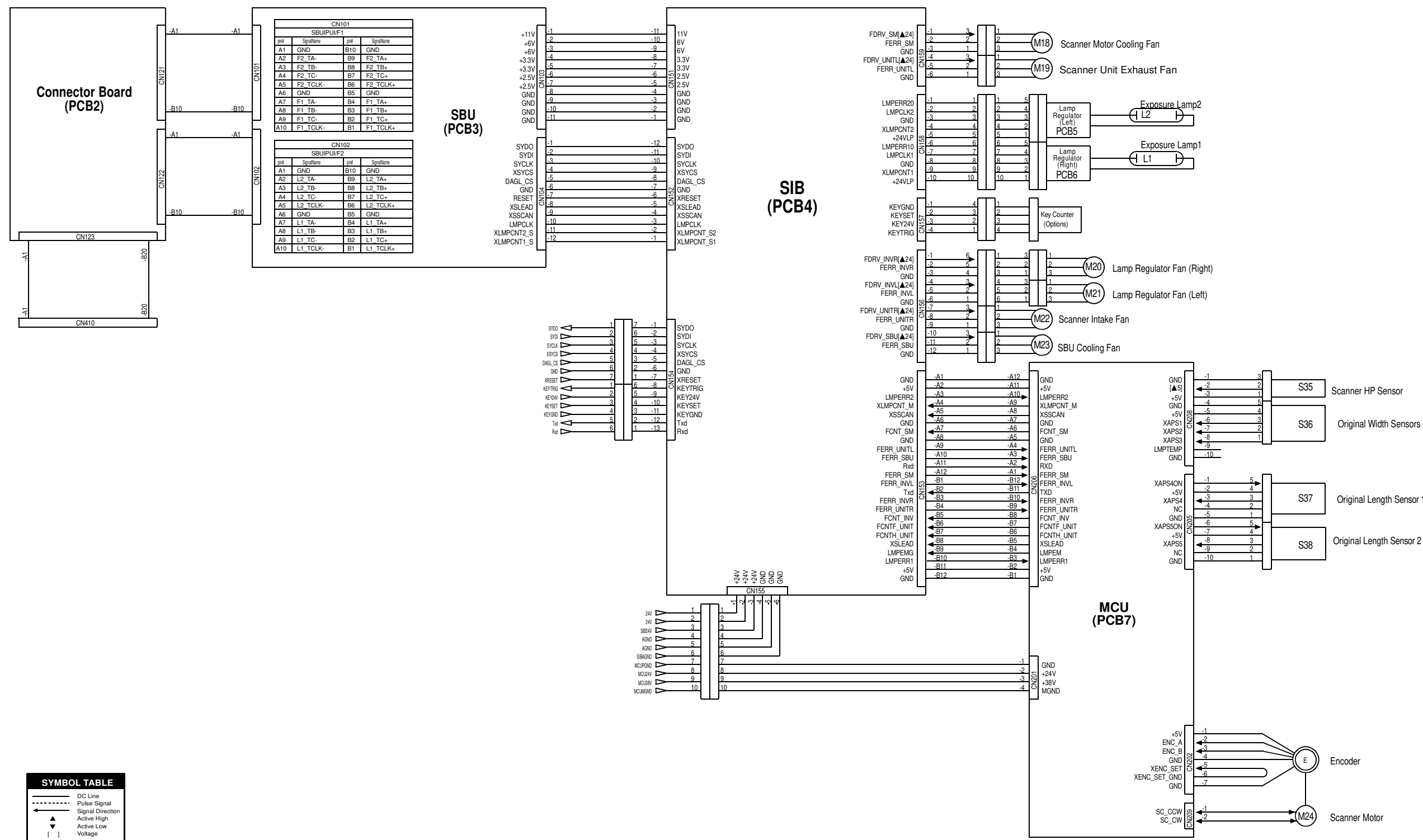
Main Board (PCB1)

Paper Feed/ Paper Transport SN

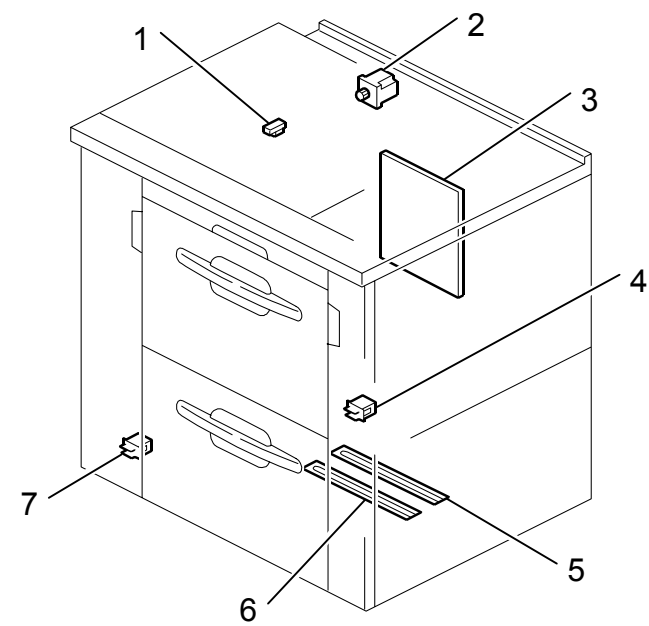
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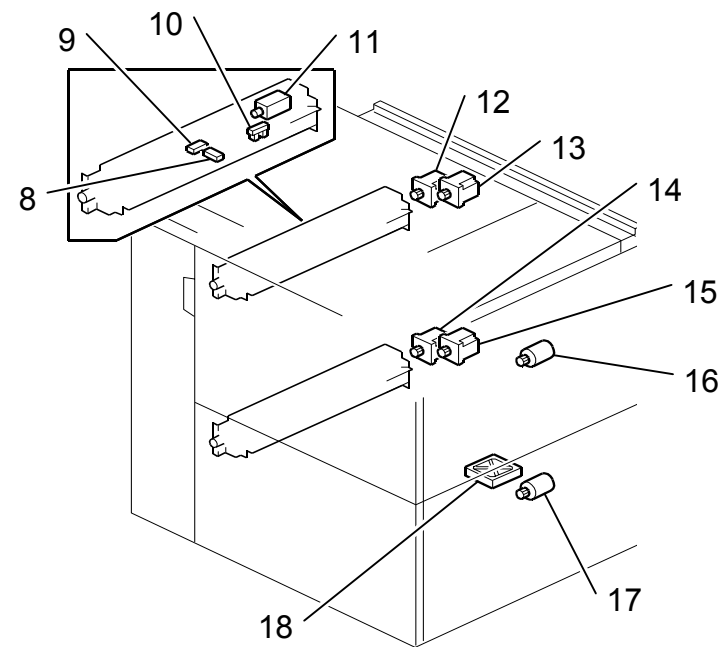
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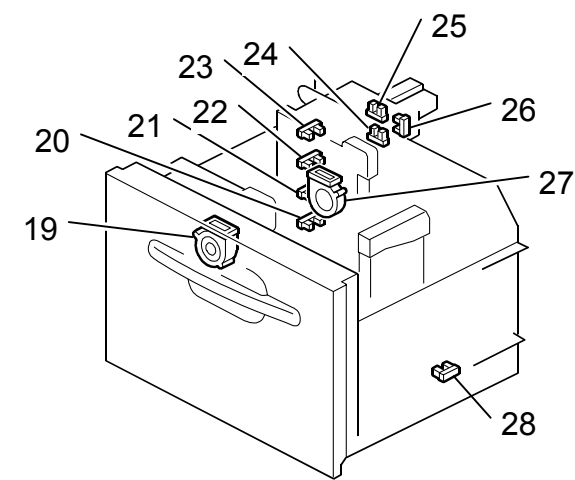
D016 (LCT-MF) ELECTRICAL COMPONENT LAYOUT (1/2)



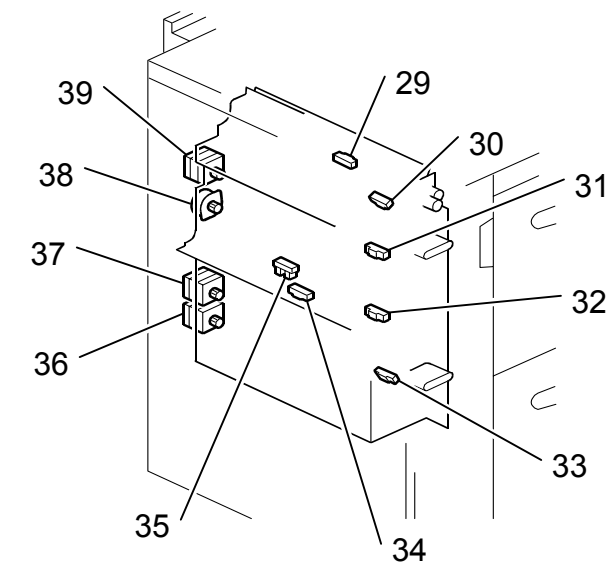
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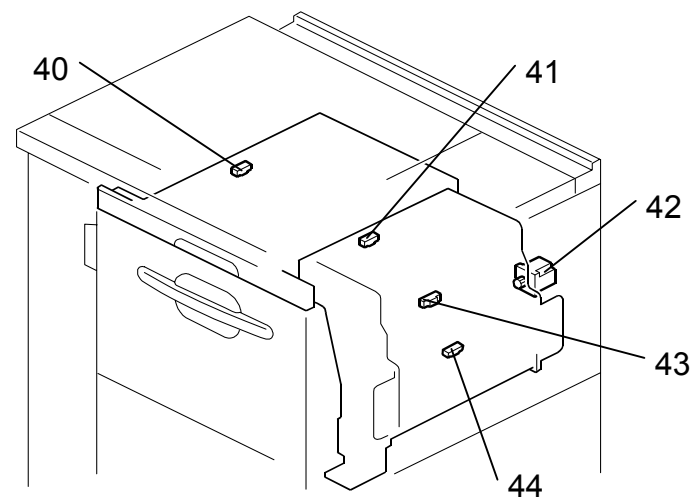
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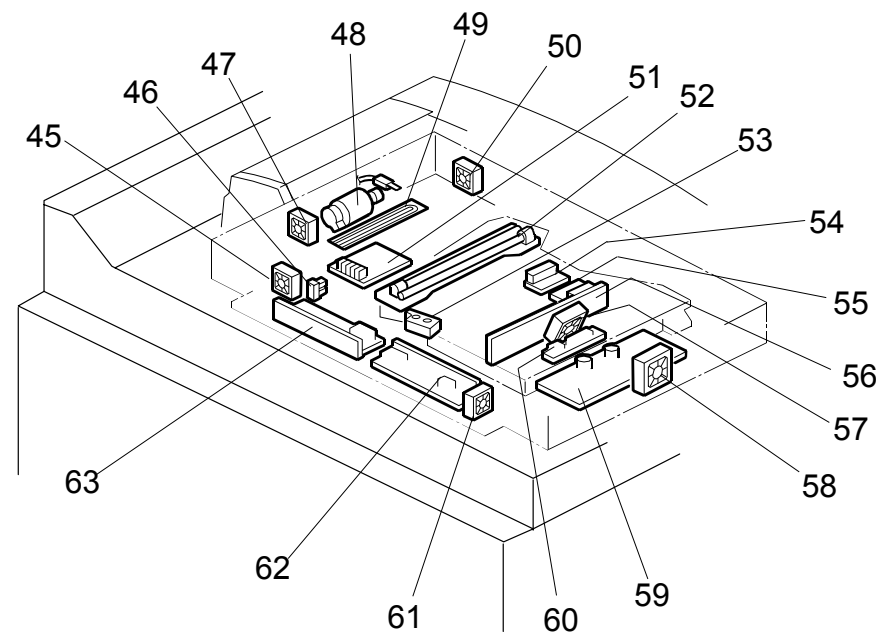
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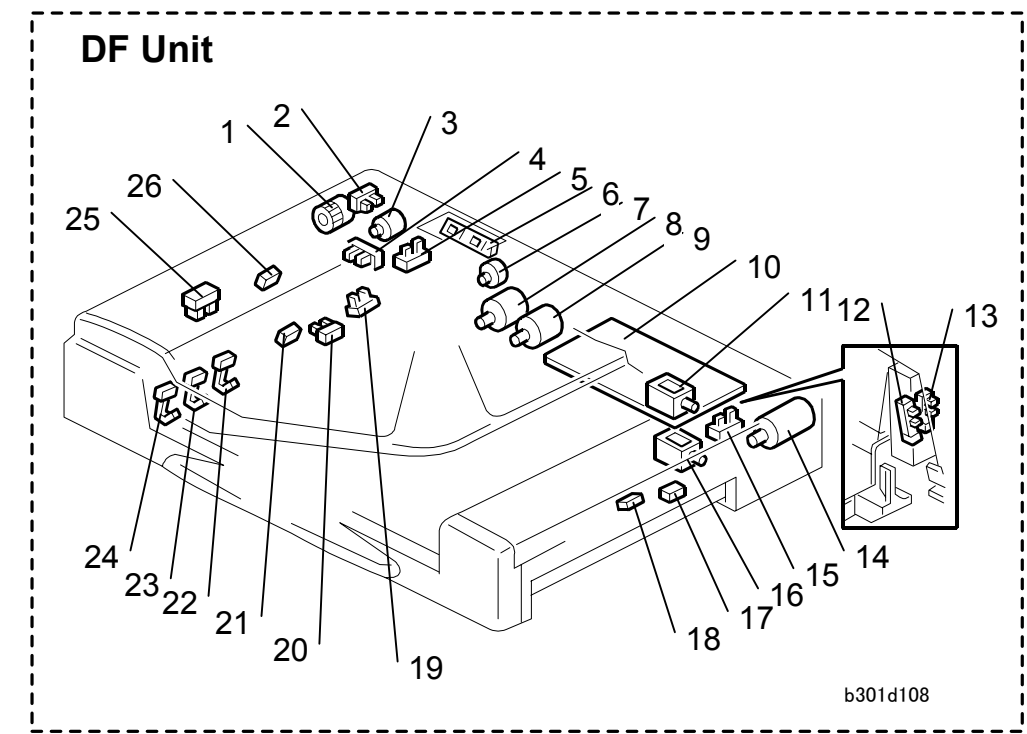
D355V204.WMF



D355V205.WMF



d016v352.WMF



b301d108

D016 (LCT-MF) ELECTRICAL COMPONENT LAYOUT (2/2)

Symbol	Index No.	Description	P to P	Page
Lamps				
L1	52	Exposure Lamp 1	A8	4/4
L2	52	Exposure Lamp 2	A8	4/4
Heaters				
H1	6	LCT Heater 1	E4	3/4
H2	5	LCT Heater 2	E4	3/4
H3	49	Optics Anti-condensation Heater	A5	4/4
PCBs				
PCB1	3	Main Board	A3	3/4
PCB2	60	Connector Board	A3	4/4
PCB3	56	SBU	A5	4/4
PCB4	59	SIB	B6	4/4
PCB5	63	Lamp Regulator (Left)	A7	4/4
PCB6	62	Lamp Regulator (Right)	A7	4/4
PCB7	51	MCU	C8	4/4
Switches				
SW1	7	Left Door Open Sw	D10	3/4
SW2	4	Right Door Open Sw	C10	3/4
Solenoids				
SOL1	11	LCT Pick-up Solenoid 1	B4	3/4
SOL2	11	LCT Pick-up Solenoid 2	C4	3/4

Symbol	Index No.	Description	P to P	Page
Motors				
M1	12	LCT Grip Motor 1	B2	3/4
M2	39	LCT Vertical Transport Motor 1	B2	3/4
M3	13	LCT Paper Feed Motor 1	C2	3/4
M4	38	LCT Exit Roller Contact Motor	C2	3/4
M5	14	LCT Grip Motor 2	D2	3/4
M6	36	LCT Vertical Transport Motor 2	D2	3/4
M7	15	LCT Paper Feed Motor 2	E2	3/4
M8	37	LCT Exit Motor	E2	3/4
M9	42	Bridge Transport Motor	E2	3/4
M10	2	LCT Horizontal Relay Motor	F2	3/4
M11	19	Air Assist fan 1: Front	B8	3/4
M12	27	Air Assist fan 1: Rear	B8	3/4
M13	19	Air Assist fan 2: Front	E8	3/4
M14	27	Air Assist fan 2: Rear	E8	3/4
M15	16	LCT Lift Motor 1	C10	3/4
M16	17	LCT Lift Motor 2	C10	3/4
M17	18	Cooling Fan	F2	3/4
M18	47	Scanner Motor Cooling Fan	A7	4/4
M19	50	Scanner Unit Exhaust Fan	A7	4/4
M20	61	Lamp Regulator Fan (Right)	B8	4/4
M21	45	Lamp Regulator Fan (Left)	B8	4/4
M22	58	Scanner Intake Fan	B7	4/4
M23	57	SBU Cooling Fan	B7	4/4
M24	48	Scanner Motor	D8	4/4

Symbol	Index No.	Description	P to P	Page
Sensors				
S1	9	LCT Paper Feed Sensor 1	B4	3/4
S2	8	LCT Paper End Sensor 1	B4	3/4
S3	10	LCT Paper Lift Sensor 1	C4	3/4
S4	9	LCT Paper Feed Sensor 2	C4	3/4
S5	8	LCT Paper End Sensor 2	C4	3/4
S6	10	LCT Paper Lift Sensor 2	D4	3/4
S7	35	LCT Paper Exit Roller Contact Sensor	D4	3/4
S8	34	LCT Exit Sensor	D4	3/4
S9	31	LCT Vertical Transport Sensor 1	E4	3/4
S10	30	LCT Grip Sensor 1	E4	3/4
S11	1	LCT Vertical Transport Sensor 3	E4	3/4
S12	32	LCT Vertical Transport Sensor 2	E4	3/4
S13	33	LCT Grip Sensor 2	E4	3/4
S14	29	LCT Vertical Transport Entrance Sensor	F4	3/4
S15	43	LCT Entrance Sensor	F4	3/4
S16	44	LCT Right Vertical Sensor	F4	3/4
S17	41	LCT Horizontal Transport Entrance Sensor	G4	3/4
S18	24	LCT Paper Width Sensor 1: T1	B8	3/4
S19	26	LCT Paper Width Sensor 2: T1	C7	3/4
S20	25	LCT Paper Width Sensor 3: T1	C8	3/4
S21	28	LCT Paper Length Sensor 1	C8	3/4
S22	20	LCT Paper Height Sensor 1: T1	C7	3/4
S23	21	LCT Paper Height Sensor 2: T1	D7	3/4
S24	22	LCT Paper Height Sensor 3: T1	D7	3/4
S25	23	LCT Paper Height Sensor 4: T1	D7	3/4
S26	24	LCT Paper Width Sensor 1: T2	E8	3/4
S27	26	LCT Paper Width Sensor 2: T2	E7	3/4
S28	25	LCT Paper Width Sensor 3: T2	E7	3/4
S29	28	LCT Paper Length Sensor 2	F8	3/4
S30	20	LCT Paper Height Sensor 1: T2	F7	3/4
S31	21	LCT Paper Height Sensor 2: T2	F7	3/4
S32	22	LCT Paper Height Sensor 3: T2	F7	3/4
S33	23	LCT Paper Height Sensor 4: T2	F7	3/4
S34	40	LCT Horizontal Transport Exit Sensor	B10	3/4
S35	46	Scanner HP Sensor	B8	4/4
S36	53	Original Width Sensors	C8	4/4
S37	54	Original Length Sensor 1	C8	4/4
S38	55	Original Length Sensor 2	C8	4/4

DF Unit

Symbol	Index No.	Description	P to P	Page
Motors				
M1	3	Pick-up	2-G6	2/4
M2	8	Feed-in	2-G4	2/4
M3	9	Transport	2-G5	2/4
M4	14	Feed-out	2-G6	2/4
M5	7	Bottom plate	2-G7	2/4
Sensors				
S1	12	APS Start	2-B9	2/4
S2	13	DF Position	2-B8	2/4
S3	19	Original Set	2-B1	2/4
S4	20	Bottom Plate HP	2-B2	2/4
S5	4	Bottom Plate Position	2-B4	2/4
S6	2	Pick-up Roller HP	2-B4	2/4
S7	26	Entrance	2-B3	2/4
S8	21	Registration	2-B3	2/4
S9	22	Original Width 1	2-B5	2/4
S10	23	Original Width 2	2-B6	2/4
S11	24	Original Width 3	2-B6	2/4
S12	25	Original Length	2-B2	2/4
S13	18	Exit	2-B7	2/4
S14	17	Inverter	2-B7	2/4
S15	5	Feed Cover	2-B5	2/4
S16	15	Exit Cover	2-B8	2/4
Solenoids				
SOL1	16	Exit Gate	2-G8	2/4
SOL2	11	Inverter Gate	2-G9	2/4
Magnetic Clutches				
MC1	1	Feed-in	2-G8	2/4
PCBs				
PCB1	10	DF Main	2-D9	2/4
PCB2	6	DF Indicator	2-G9	2/4