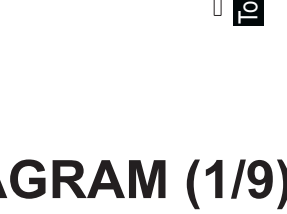
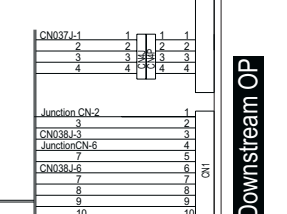
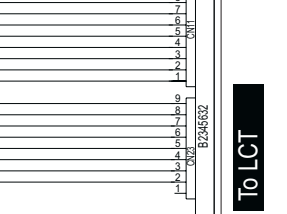
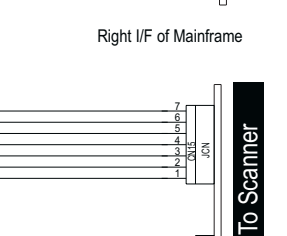
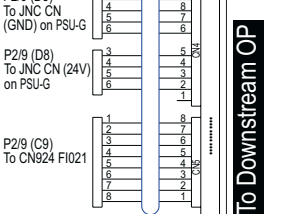
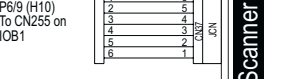
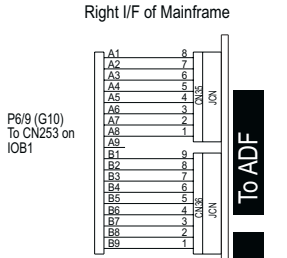


IOB1 CN270 - Fusing Exhaust Fan CN045			IOB1 CN242 - CT BOX CT FAN		
CN270-7	CN045-9	Fusing EX FAN1-24V	CN242-A6	CN1-3	CT FAN1-24V
-8	-8	Fusing EX FAN1-ALM	-A7	-2	CT FAN1-ALM
-9	-7	Fusing EX FAN1-ON	-A8	-1	CT FAN1-DRV
-10	-6	Fusing EX FAN2-24V	-A9	CN2-3	CT FAN2-24V
-11	-5	Fusing EX FAN2-ALM	-A10	-2	CT FAN2-ALM
-12	-4	Fusing EX FAN2-ON	-A11	-1	CT FAN2-DRV
-13	-3	Fusing EX FAN3-24V	-A12	CN3-3	CT FAN3-24V
-14	-2	Fusing EX FAN3-ALM	-A13	-2	CT FAN3-ALM
-15	-1	Fusing EX FAN3-ON	-A14	-1	CT FAN3-DRV
			-A15	-2	CT FAN3-ALM
			-A17	-1	CT FAN3-DRV

Rear Controller Box Unit Relay CN036J - CN531P (DEV Mtr, CN471, CN481 Polygon Drv)		
CN036-1	CN531P-1	+34V
-2	-2	+34V
-5	-3	GND
-6	-4	GND
-3	CN471J-1	+24V
-7	-2	GND
-4	CN481J-1	+34V
-8	-2	GND



PSU-EA1, EA2 - CT BOX		
CN720-6	CN257-7	34V GPU
-12	-8	GND
CN717-1	-1	SVL IPU
-2	-2	SVL IPU
-3	-3	SVL IPU
-4	-4	GND
-5	-5	GND
-6	-6	GND
CN702-1	CN211-1	AC-L
-2	-2	AC-N
Junction CN-1	CN732-1	EN Saver +5V
-5	-2	EN Saver GND

D095/M077 POINT TO POINT DIAGRAM (1/9)

**IOB2 (2/5)
(PCB5)**

MCH_CNT1+24
MCH_CNT2+24
PSU-G
PSU-G
REAR_UNT_OPENS
REAR_UNT_OPEN
LEFT_DOOR_OPN
LEFT_DOOR_OPNS
PSU_COOL_FANS+
PSU_COOL_FANS:ALM
PSU_COOL_FANS:D

+5VGO
+5VG

+6VGI
GN

ENABLE 3
ENABLE 2
ENABLE 1
RXD_FIN_P (FIB->IOB2)
GN
TXD_FIN_P (IOB2->FIB)

ACB_P_RELAY2_DR
ACB_TSV_2
ACB_P_RELAY1_DR
ACB_TSV_1
ACB_P_RELAY3_DR
ACB_TSV_3
ACB_DRY_HEATR
ACB_DRY+5
ACB_ZEROX1_IN
ACB_TGND
ACB_HEATR_TR
ACB_HEATR_TR
ACB_HEATR_TR
ACB_HEATR_TR
ACB_GAIA_RLY_TRG
ACB_TSV4
ACB_ZEROX2

FIO12 CN923 - LD PW Junction CN5, CN6

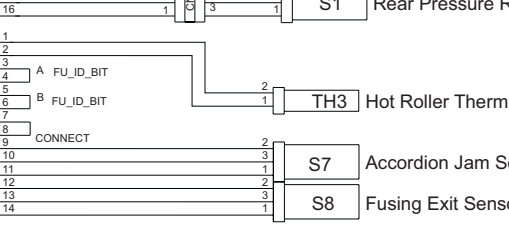
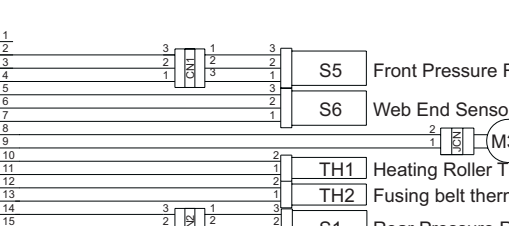
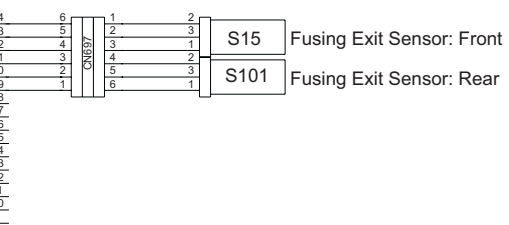
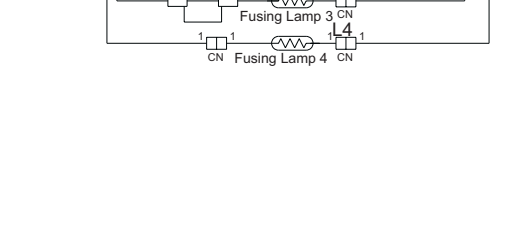
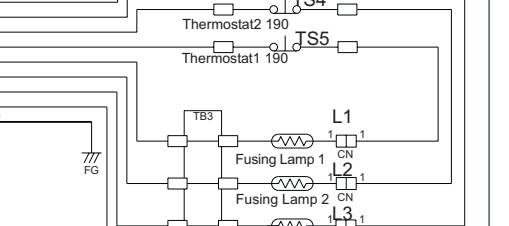
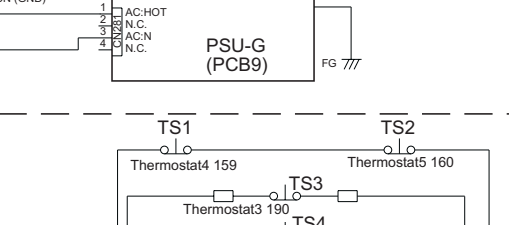
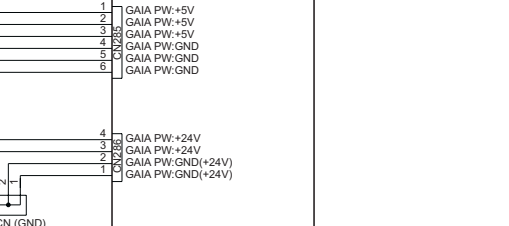
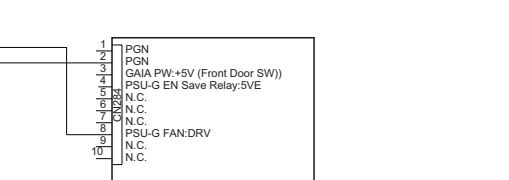
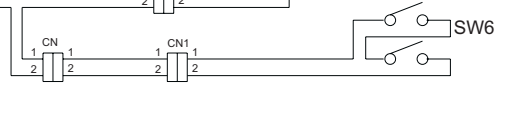
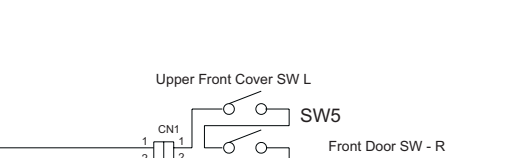
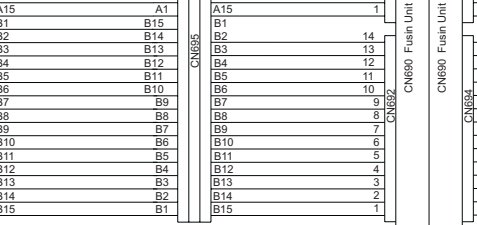
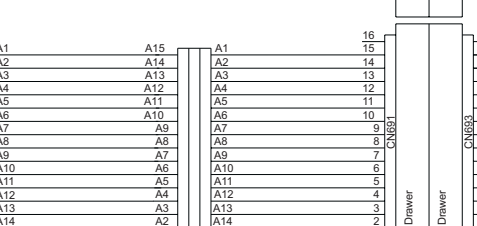
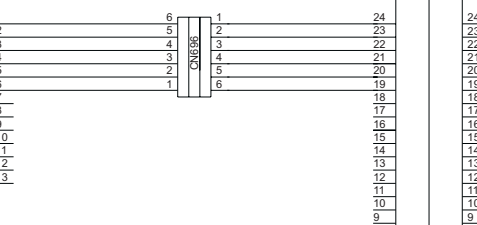
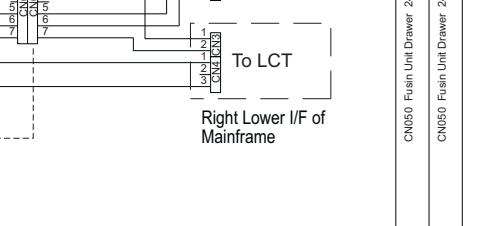
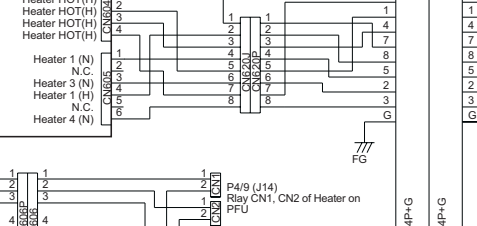
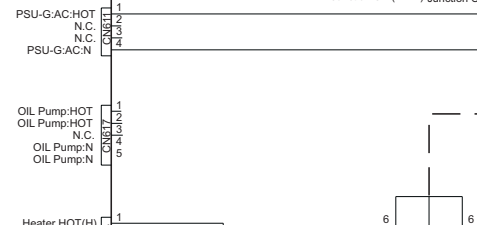
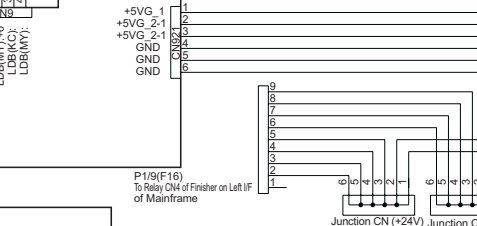
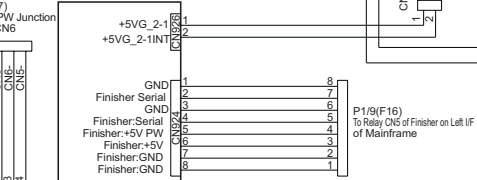
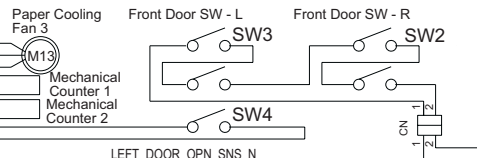
CN923-1	CN6 -1	LDB(KM)+6V
.. -2	CN6 -1	LDB(CY)+6V
.. -3	CN6 -5	LDB(KM):G
.. -4	CN6 -5	LDB(CY):G

**FIB
(PCB7)**

**AC Drive Board
(PCB8)**

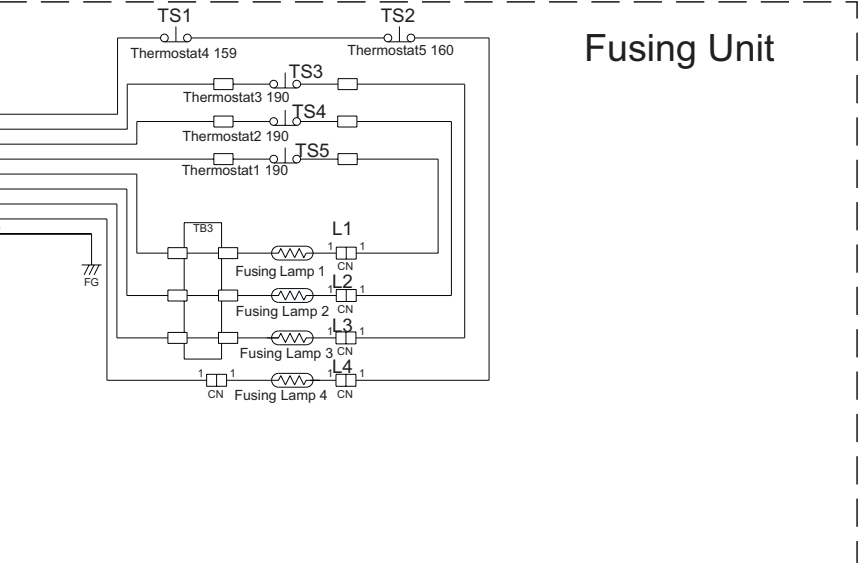
FUS_P_EX_JAM_SNS-F:N-GND
FUS_P_EX_JAM_SNS-
FUS_P_EX_JAM_SNS-F+5V
FUS_P_EX_JAM_SNS-R:GND
FUS_P_EX_JAM_SNS-R:OUT
FUS_P_EX_JAM_SNS-R+5V
Reserved 1:GND
Reserved 1:OUT
Reserved 1+5V
Reserved 2:GND
Reserved 2:OUT
Reserved 2+5V
N.C.

BR_OC_POS_F-
BR_OC_POS_F-SNS_P
BR_OC_POS_F-
WEB_END_SNS_P-
WEB_END_SNS_P-
WEB_END_SNS_P-
WEB_CLN_M:DRV
WEB_CLN_M
THERMISTOR_SNS
THERMISTOR_SN
THERMISTOR_SNS
THERMISTOR_SNS
BR_OC_POS_R-
BR_OC_POS_R-SNS_P
BR_OC_POS_R-
N.
THERMISTOR_SNS3
THERMISTOR_SNS3:
FU_ID_BIT0_P
FU_ID_BIT0-G
FU_ID_BIT1_P
FU_ID_BIT1-G
Fusing
Fusing
Accordion JAM
Accordion JAM
Accordion JAM
BR_OC_POS_C-
BR_OC_POS_C-
BR_OC_POS_C-

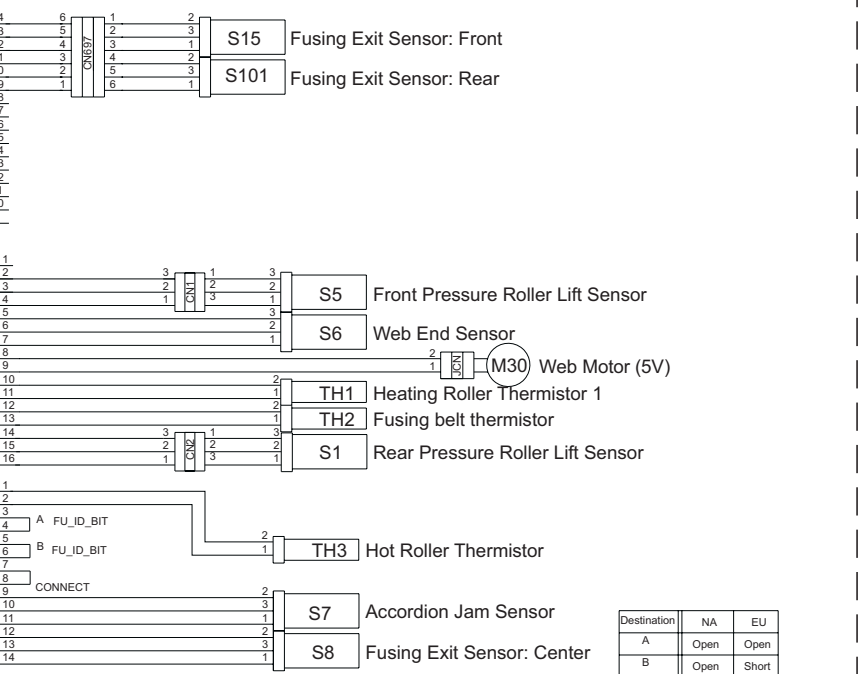


Relay CN606 ~ PFU Heater CN1,CN2

CN606-1	CN1 -1	Heater (H)
.. -5	-2	Heater (L)
.. -2	CN2 -5	Heater (H)
.. -6	-2	Heater (L)

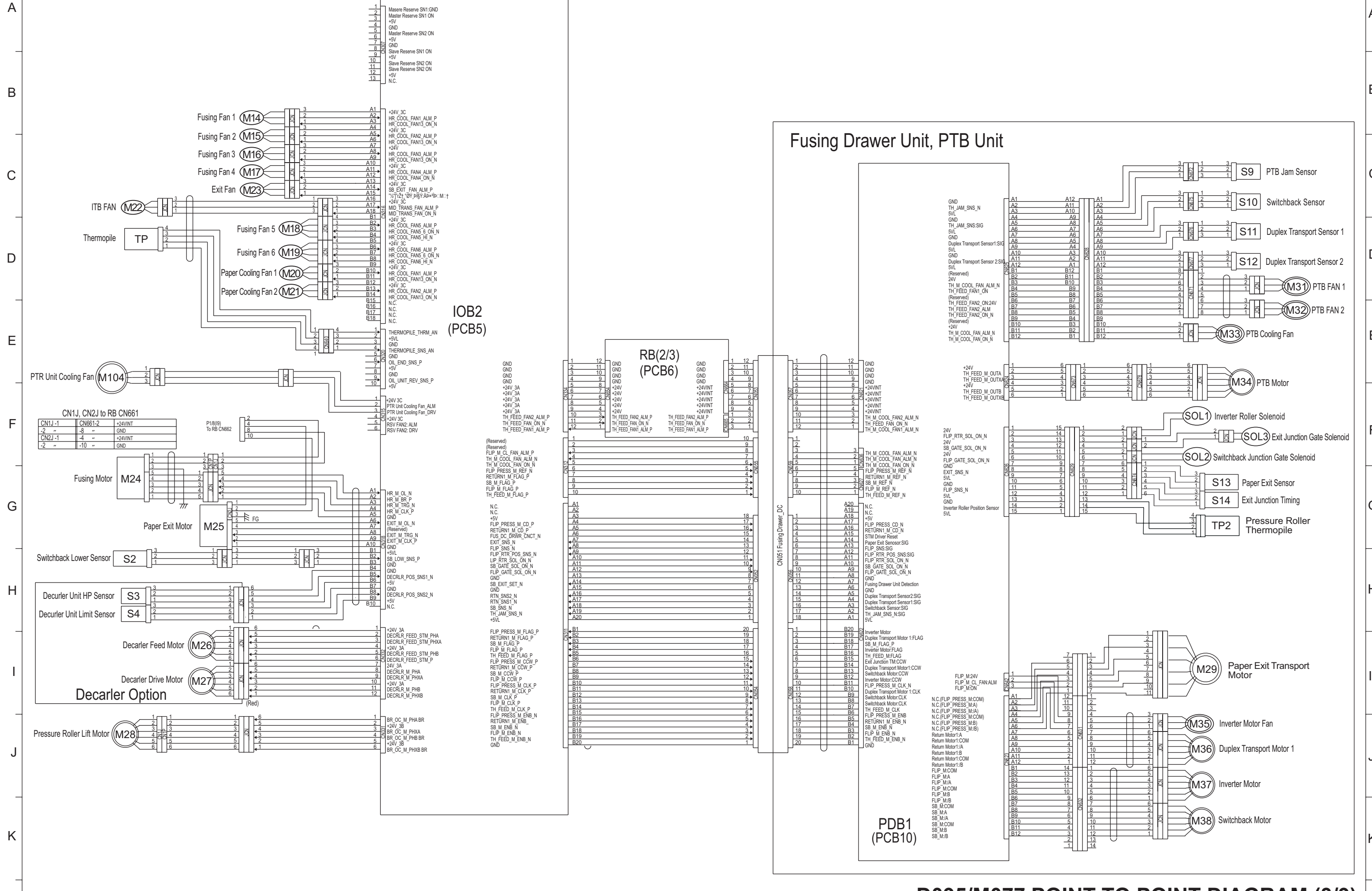


Fusing Unit

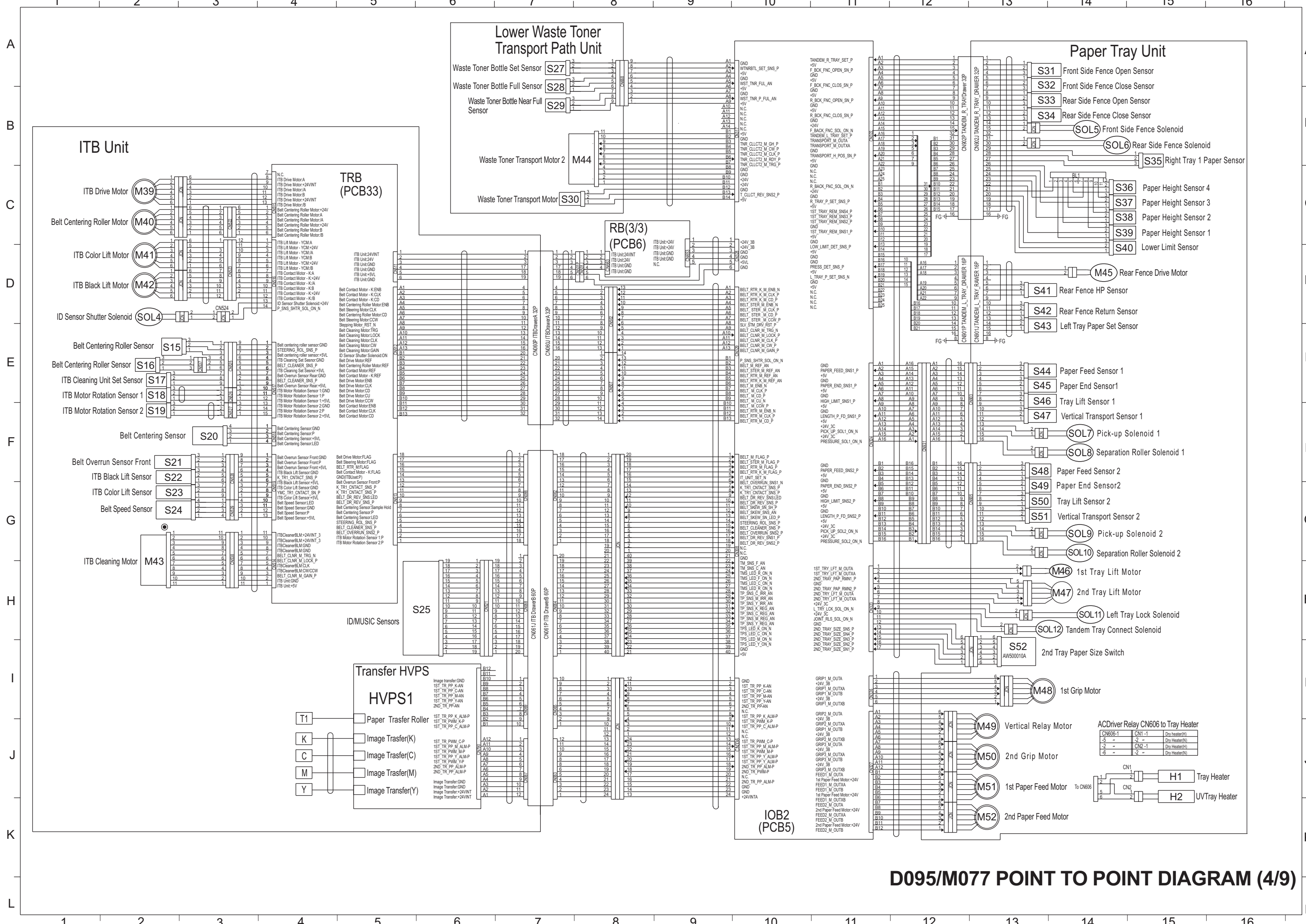


Destination	NA	EU
A	Open	Open
B	Open	Short

**D095/M077 POINT TO POINT
DIAGRAM (2/9)**

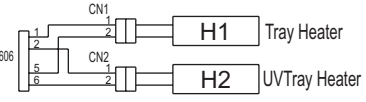


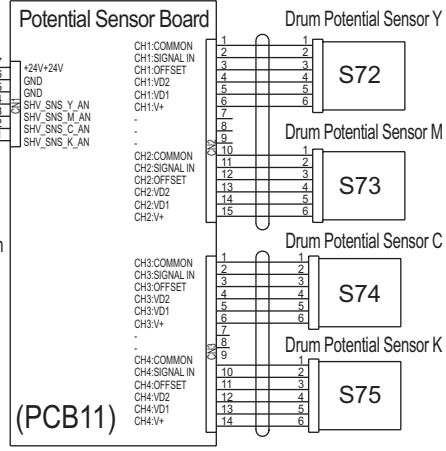
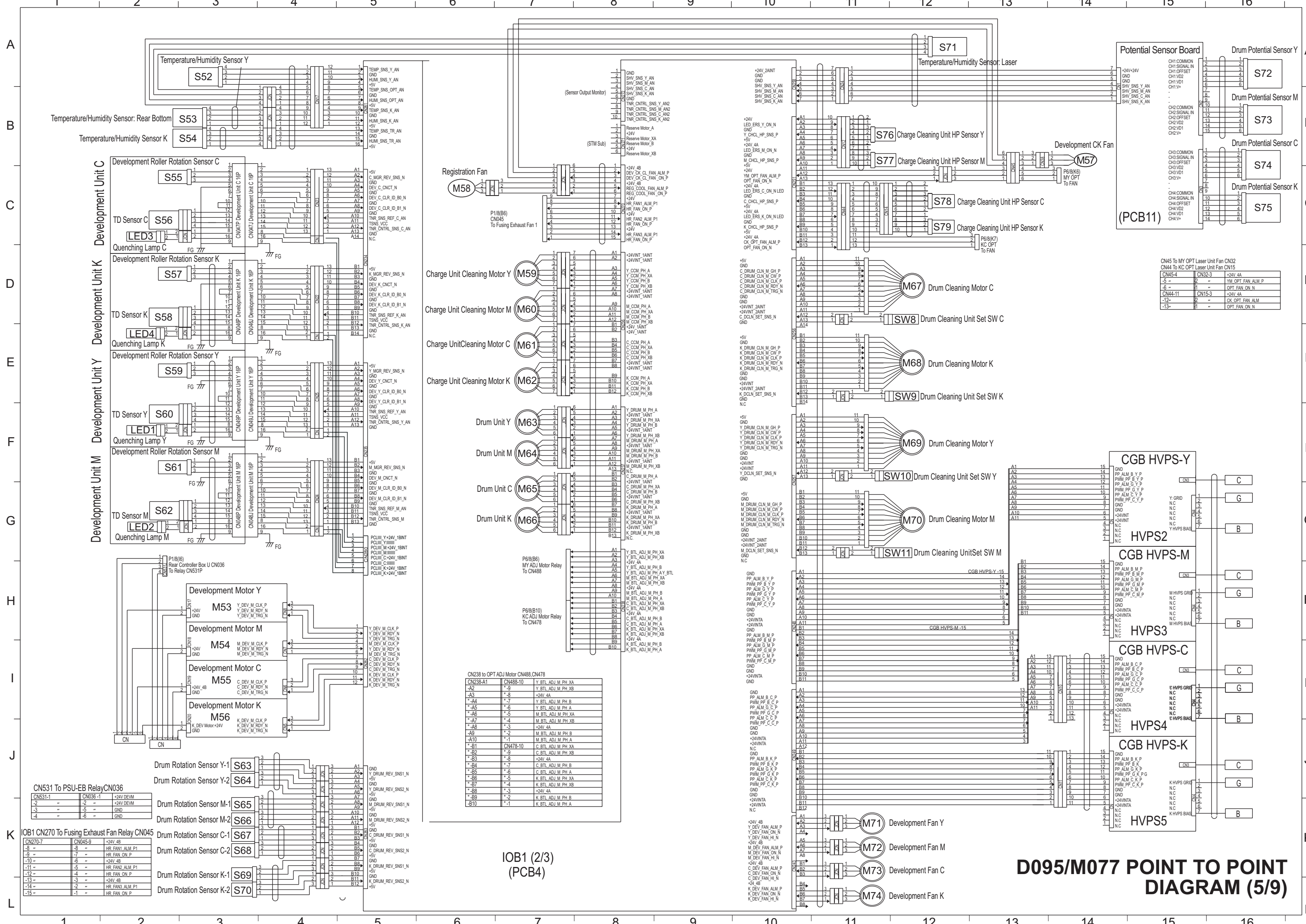
D095/M077 POINT TO POINT DIAGRAM (3/9)



D095/M077 POINT TO POINT DIAGRAM (4/9)

Relay	Terminal	Component
CN606-1	-1	Dry Heater(H)
	-2	Dry Heater(H)
CN2	-1	Dry Heater(H)
	-2	Dry Heater(H)





CN45 To MY OPT Laser Fan CN32
CN44 To KC OPT Laser Unit Fan CN15

CN45-4	CN32-3	+24V_4A
-5	-1	YM OPT_FAN_ALM_P
-6	-2	OPT_FAN_ON_N
CN44-11	CN15-3	+24V_4A
-12	-2	CK OPT_FAN_ALM
-13	-1	OPT_FAN_ON_N

CN238 to OPT ADJ Motor CN488, CN478

CN238-A1	CN488-10	Y_BTL_ADJ_M_PH_XA
-A2	-9	Y_BTL_ADJ_M_PH_XB
-A3	-8	+24V_4A
-A4	-7	Y_BTL_ADJ_M_PH_B
-A5	-6	Y_BTL_ADJ_M_PH_A
-A6	-5	M_BTL_ADJ_M_PH_XA
-A7	-4	M_BTL_ADJ_M_PH_XB
-A8	-3	+24V_4A
-A9	-2	M_BTL_ADJ_M_PH_B
-A10	-1	M_BTL_ADJ_M_PH_A
-B1	CN478-10	C_BTL_ADJ_M_PH_XA
-B2	-9	C_BTL_ADJ_M_PH_XB
-B3	-8	+24V_4A
-B4	-7	C_BTL_ADJ_M_PH_B
-B5	-6	C_BTL_ADJ_M_PH_A
-B6	-5	K_BTL_ADJ_M_PH_XA
-B7	-4	K_BTL_ADJ_M_PH_XB
-B8	-3	+24V_4A
-B9	-2	K_BTL_ADJ_M_PH_B
-B10	-1	K_BTL_ADJ_M_PH_A

CN531 To PSU-EB Relay CN036

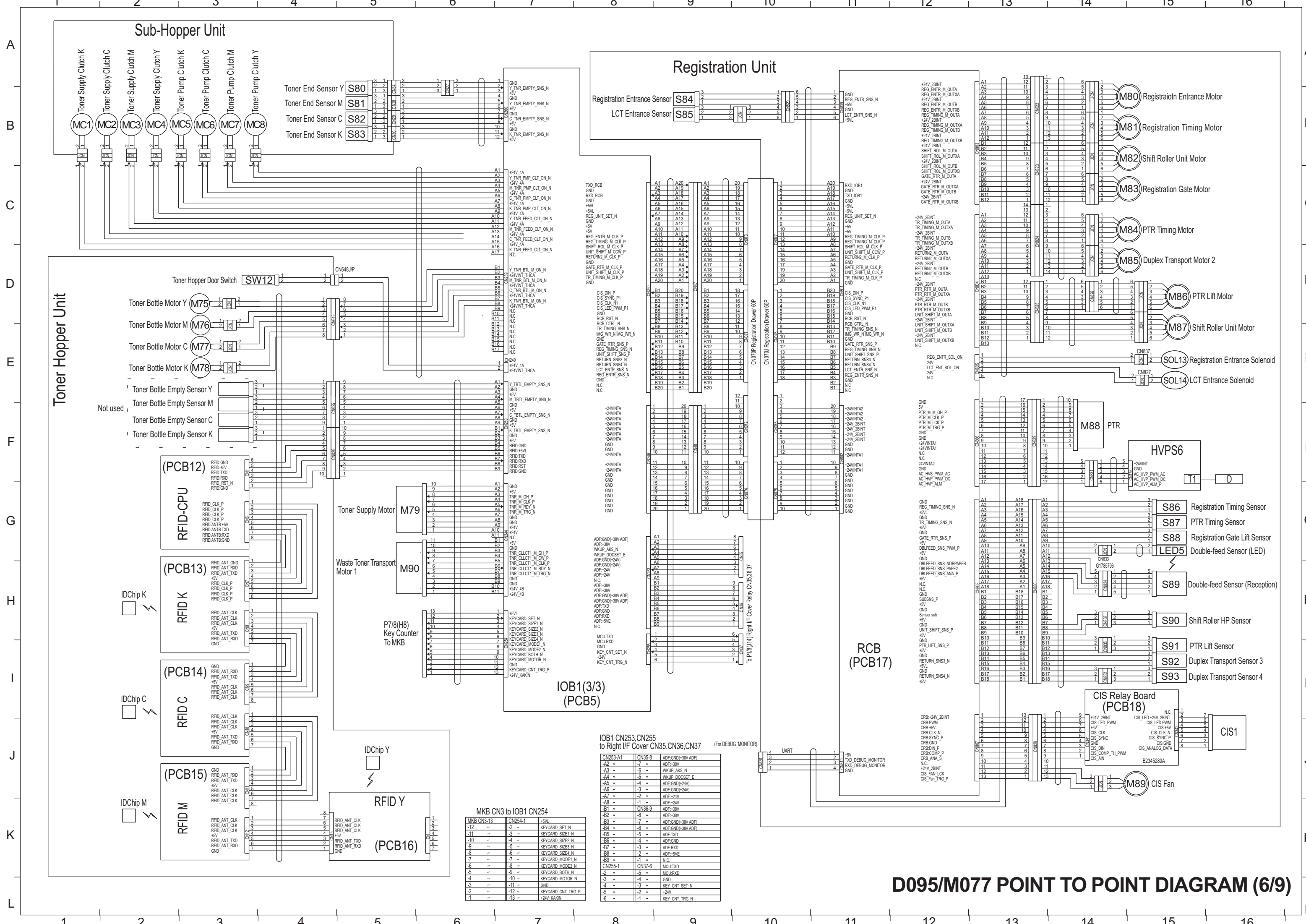
CN531-1	CN036-1	+24V_DEVM
-2	-2	+24V_DEVM
-3	-5	GND
-4	-6	GND

IOB1 CN270 To Fusing Exhaust Fan Relay CN045

CN270-7	CN045-9	+24V_4B
-8	-8	HR_FAN1_ALM_P1
-9	-7	HR_FAN_ON_P
-10	-6	+24V_4B
-11	-5	HR_FAN2_ALM_P1
-12	-4	HR_FAN_ON_P
-13	-3	+24V_4B
-14	-2	HR_FAN3_ALM_P1
-15	-1	HR_FAN_ON_P

IOB1 (2/3)
(PCB4)

**D095/M077 POINT TO POINT
DIAGRAM (5/9)**



Sub-Hopper Unit

Registration Unit

Toner Hopper Unit

(PCB12) RFID-CPU

RFID_GND
RFID_+5V
RFID_TXD
RFID_RXD
RFID_RST_N
RFID_GND

RFID_CLK_P
RFID_CLK_P
RFID_ANT_TXD
RFID_ANT_TXD
RFID_ANT_RXD
RFID_ANT_RXD

(PCB13) RFID K

RFID_ANT_CLK
RFID_ANT_CLK
RFID_ANT_CLK
RFID_ANT_TXD
RFID_ANT_TXD
RFID_ANT_RXD
RFID_ANT_RXD

(PCB14) RFID C

GND
RFID_ANT_RXD
RFID_ANT_TXD
RFID_ANT_CLK
RFID_ANT_CLK
RFID_ANT_TXD
RFID_ANT_RXD

(PCB15) RFID M

GND
RFID_ANT_RXD
RFID_ANT_TXD
RFID_ANT_CLK
RFID_ANT_CLK
RFID_ANT_TXD
RFID_ANT_RXD

RFID Y (PCB16)

RFID_ANT_CLK
RFID_ANT_CLK
RFID_ANT_CLK
RFID_ANT_TXD
RFID_ANT_TXD
RFID_ANT_RXD
RFID_ANT_RXD

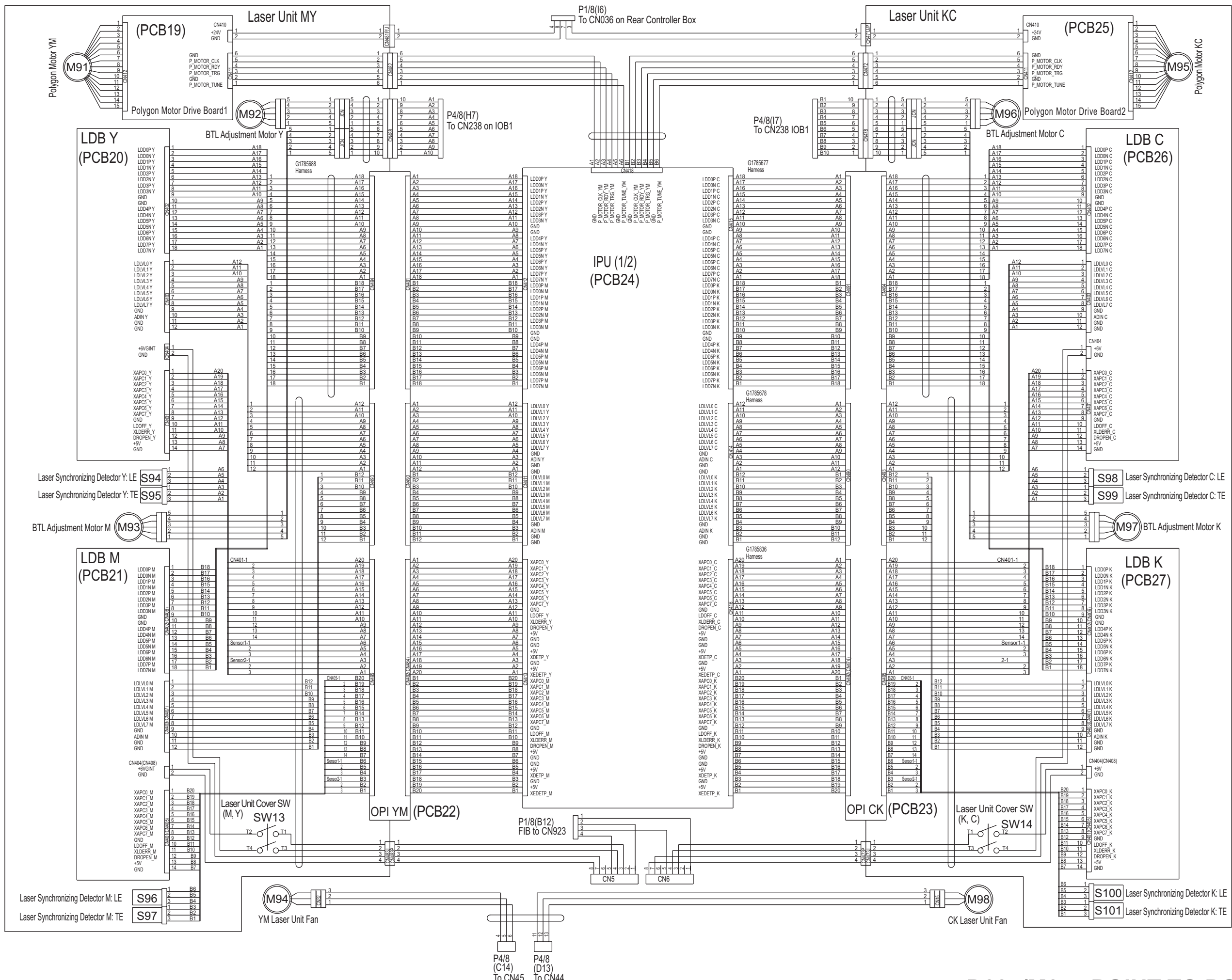
MKB CN3 to IOB1 CN254

MKB CN3-T3	CN254-1	+5V
-12	-2	KEYCARD SET_N
-11	-3	KEYCARD_SIZE1_N
-10	-4	KEYCARD_SIZE2_N
-9	-5	KEYCARD_SIZE3_N
-8	-6	KEYCARD_SIZE4_N
-7	-7	KEYCARD_MODE1_N
-6	-8	KEYCARD_MODE2_N
-5	-9	KEYCARD_BOTH_N
-4	-10	KEYCARD MOTOR_N
-3	-11	GND
-2	-12	KEYCARD CNT_TRG_P
-1	-13	+24V_KAKIN

IOB1 CN253, CN255 to Right I/F Cover CN35, CN36, CN37 (For DEBUG_MONITOR)

CN253-A1	CN35-8	ADF-GND(+38V ADF)
-A2	-7	ADF+38V
-A3	-6	WKUP_AKS_N
-A4	-5	WKUP_DOCSET_E
-A5	-4	ADF-GND(+24V)
-A6	-3	ADF-GND(+24V)
-A7	-2	ADF+24V
-A8	-1	ADF+24V
-B1	CN36-9	ADF+38V
-B2	-8	ADF+38V
-B3	-7	ADF-GND(+38V ADF)
-B4	-6	ADF-GND(+38V ADF)
-B5	-5	ADF-TXD
-B6	-4	ADF-GND
-B7	-3	ADF-RXD
-B8	-2	ADF+5VE
-B9	-1	N.C.
CN255-1	CN37-6	MCU_TXD
-2	-5	MCU_RXD
-3	-4	GND
-4	-3	KEY CNT SET_N
-5	-2	+24V
-6	-1	KEY CNT TRG_N

D095/M077 POINT TO POINT DIAGRAM (6/9)



Rear Controller Box Relay CN036 to CN471, CN481

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

IOB2 CN238 to BTL Adjust. M Relay CN478, CN488

CN238-A1	CN488-10	+24V
-A2	-9	+24V
-A3	-8	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	-9	+24V
-B3	-8	GND
-B4	-7	+24V
-B5	-6	GND
-B6	-5	GND
-B7	-4	+24V
-B8	-3	GND
-B9	-2	+24V
-B10	-1	GND

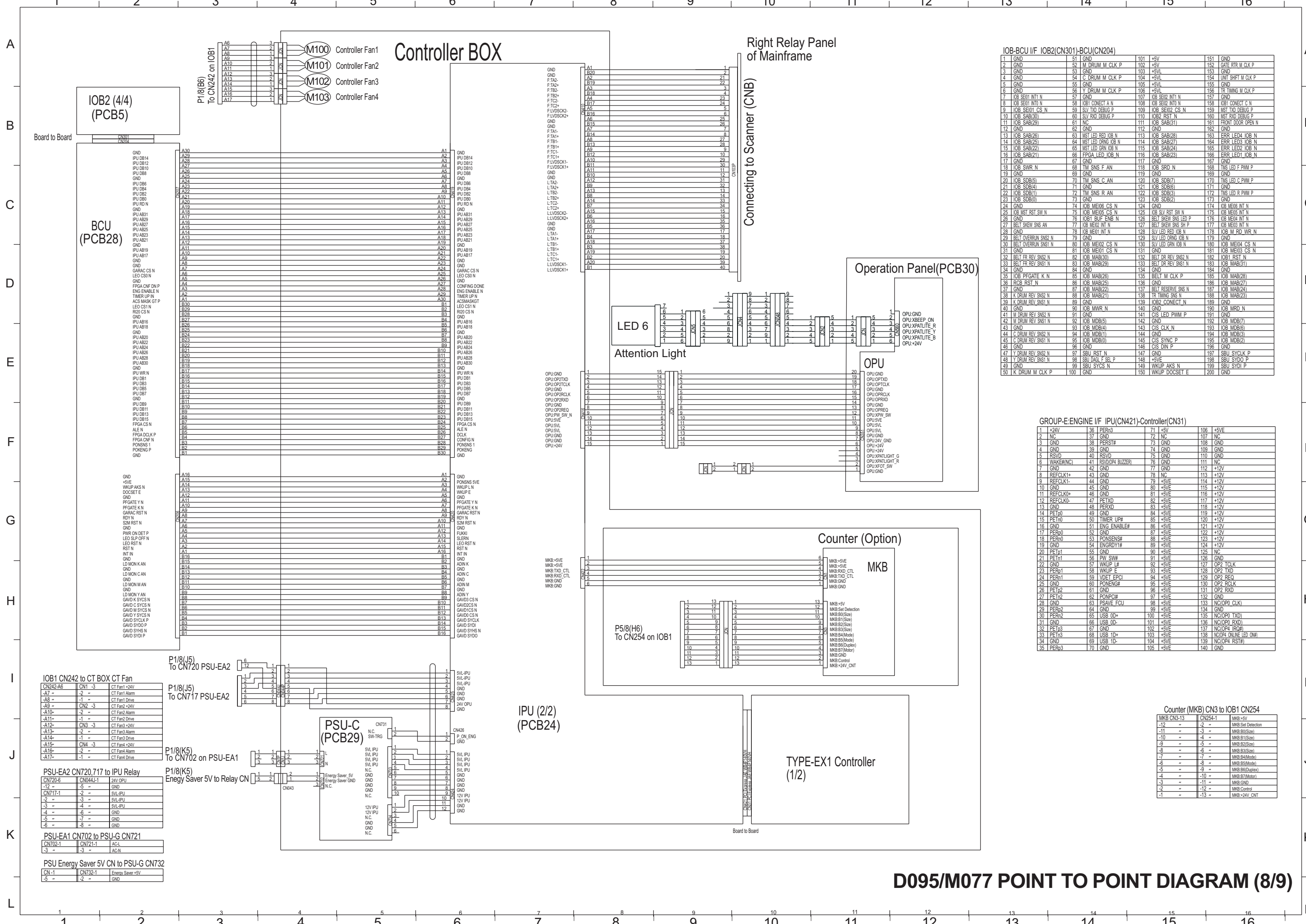
FIB CN923 to Laser Unit Cover SW(+6V) CN5, CN6

CN923-1	CN5-1	+6V
-2	-1	+6V
-3	-5	GND
-4	-5	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

D095/M077 POINT TO POINT DIAGRAM (7/9)



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 SHFT 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 CONECT A N	108 IOB SEI02 INT0 N	158 IOB1 CONECT C N
9 IOB SEI01 CS N	59 SVL TXD DEBUG P	109 IOB SEI02 CS N	159 MIST TXD DEBUG P
10 IOB SAB(20)	60 SVL RXD DEBUG P	110 IOB2 RST N	160 MIST 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 MIST LED RED IOB N	113 IOB SAB(28)	163 ERR LED4 IOB N
14 IOB SAB(25)	64 MIST LED ORNG IOB N	114 IOB SAB(27)	164 ERR LED3 IOB N
15 IOB SAB(22)	65 MIST 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 MIST 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 CONECT 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 +5V	198 SBU SYDD 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 PER#3	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 RSV0	40 RSV0	75 GND	110 GND
6 WAKE#(NC)	41 RSV0(P4 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 PET#0	49 GND	84 +5VE	119 +12V
15 PET#0	50 TIMER UP#	85 +5VE	120 +12V
16 GND	51 ENG ENABLE#	86 +5VE	121 +12V
17 PER#0	52 GND	87 +5VE	122 +12V
18 PER#0	53 PONSNS#	88 +5VE	123 +12V
19 GND	54 ENGRDY1#	89 +5VE	124 +12V
20 PET#1	55 GND	90 +5VE	125 NC
21 PET#1	56 PW SW#	91 +5VE	126 GND
22 GND	57 WKUP LF	92 +5VE	127 OP2 TCLK
23 PER#1	58 WKUP E	93 +5VE	128 OP2 TXD
24 PER#1	59 VDET EPCI	94 +5VE	129 OP2 REQ
25 GND	60 PONSNG#	95 +5VE	130 OP2 RCLK
26 PET#2	61 GND	96 +5VE	131 OP2 RXD
27 PET#2	62 PONSNG#	97 +5VE	132 GND
28 GND	63 PSVAIVE FCU	98 +5VE	133 NC(OP0 CLK)
29 PER#2	64 GND	99 +5VE	134 GND
30 PER#2	65 USB 0D+	100 +5VE	135 NC(OP0 TXD)
31 GND	66 USB 0D-	101 +5VE	136 NC(OP0 RXD)
32 PET#3	67 GND	102 +5VE	137 NC(OP4 IRQ#)
33 PET#3	68 USB 1D+	103 +5VE	138 NC(OP4 ONLINE LED ON#)
34 GND	69 USB 1D-	104 +5VE	139 NC(OP4 RST#)
35 PER#3	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(Mode)
-6 -	-8 -	MKB-B5(Mode)
-5 -	-9 -	MKB-B6(Duplex)
-4 -	-10 -	MKB-B7(Motor)
-3 -	-11 -	MKB-GND
-2 -	-12 -	MKB-Control
-1 -	-13 -	MKB+24V_CNT

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

A B C D E F G H I J K L

1	+5VE(+3.3VE)	51	PCIAD58	101	+5VE(+3.3VE)	151	PCIAD59
2	+5VE(+3.3VE)	52	PCIAD56	102	+5VE(+3.3VE)	152	PCIAD57
3	+5VE(+3.3VE)	53	GND	103	+5VE(+3.3VE)	153	GND
4	+5VE(+3.3VE)	54	PCIAD54	104	+5VE(+3.3VE)	154	PCIAD55
5	+5VE(+3.3VE)	55	PCIAD52	105	+5VE(+3.3VE)	155	PCIAD53
6	+5VE	56	PCIAD50	106	+5VE	156	PCIAD51
7	+5VE	57	PCIAD48	107	+5VE	157	PCIAD49
8	+5V	58	GND	108	+5VE	158	GND
9	INTD#	59	PCIAD46	109	INTC#	159	PCIAD47
10	INTA#	60	PCIAD44	110	INTB#	160	PCIAD45
11	REQB#	61	PCIAD42	111	REQA#	161	PCIAD43
12	GNT#	62	PCIAD40	112	GNT#	162	PCIAD41
13	REQ1#	63	GND	113	REQ2#	163	GND
14	GNT1#	64	PCIAD38	114	GNT2#	164	PCIAD39
15	GND	65	PCIAD38	115	GND	165	PCIAD37
16	PCIAD30	66	PCIAD34	116	PCIAD31	166	PCIAD35
17	PCIAD28	67	PCIAD32	117	PCIAD29	167	PCIAD33
18	PCIAD26	68	GND	118	PCIAD27	168	GND
19	PCIAD24	69	PETXD	119	PCIAD25	169	PERXD
20	GND	70	PONSENS#	120	GND	170	INT#(Reserved)
21	PCIAD22	71	OP2 TJUXOP1 CLK	121	PCIAD23	171	OP2 RCLK
22	PCIAD20	72	OP2 TJUXOP1 TXD	122	PCIAD21	172	OP2 RUXOP1 RXD
23	PCIAD18	73	OP2 REQ	123	PCIAD19	173	SD CMDDIR
24	PCIAD16	74	REQS#	124	PCIAD17	174	SD DTDIR
25	GND	75	SD DT EN#	125	GND	175	GNT5#
26	CBE2#	76	SD CMD EN#	126	CBE3#	176	PCICLK6
27	CBE0#	77	GND	127	CBE1#	177	GND
28	PCIRST#	78	SDCLK	128	PME#	178	SD DT0
29	DEVSEL#	79	SDCD#	129	TRDY#	179	SD DT1
30	IRDY#	80	SD CMD	130	FRAME#	180	SD DT2
31	PERP#	81	SDWP	131	STOP#	181	SD DT3
32	PAR	82	GND	132	SERR#	182	GND
33	GND	83	OP4 CLKOP1 CLK	133	GND	183	ENGRDY1#
34	PCIAD14	84	OP4 CS#OP1 D0	134	PCIAD15	184	ENGRDY2#
35	PCIAD12	85	OP4 SDAOP1 RXD	135	PCIAD13	185	PW SW#
36	PCIAD10	86	OP4 IRO#	136	PCIAD11	186	WKUP L#
37	PCIAD8	87	OP4 ONLINE LED ON#	137	PCIAD9	187	WKUP E
38	GND	88	CSSTXD	138	GND	188	OP4 RST#
39	PCIAD6	89	CSSRXD	139	PCIAD7	189	RESERVE
40	PCIAD4	90	PONEN#	140	PCIAD5	190	VDET EPIC1
41	PCIAD2	91	PONPCH#	141	PCIAD3	191	SD POWER +3.3VE
42	PCIAD0	92	PSAVIE FCU	142	PCIAD1	192	PCICLK3
43	GND	93	GND	143	GND	193	GND
44	CBE6#	94	PCICLKE1	144	CBE7#	194	PCICLKE2
45	CBE4#	95	GND	145	CBE5#	195	GND
46	64REQ#	96	PCICLKE4	146	64ACK#	196	PCICLKE5
47	64PER	97	GND	147	INTF#	197	GND
48	GND	98	+12VE	148	GND	198	+12VE
49	PCIAD2	99	+12VE	149	PCIAD63	199	+12VE
50	PCIAD0	100	+12VE	150	PCIAD61	200	+12VE

A1	PRNST1#	B1	+12V
A2	+12V	B2	+12V
A3	+12V	B3	RSVD
A4	GND	B4	GND
A5	JTAG2	B5	SMBCLK
A6	JTAG3	B6	SMBDAT
A7	JTAG4	B7	GND
A8	JTAG5	B8	+3.3V
A9	+3.3V	B9	JTAG1
A10	+3.3V	B10	+3.3VAUX
A11	PERST#	B11	WAKE#
A12	GND	B12	RSVD
A13	REFCLK+	B13	GND
A14	REFCLK-	B14	PETp0
A15	GND	B15	PETp0
A16	PER#0	B16	GND
A17	PER#0	B17	PRNST2#
A18	GND	B18	GND

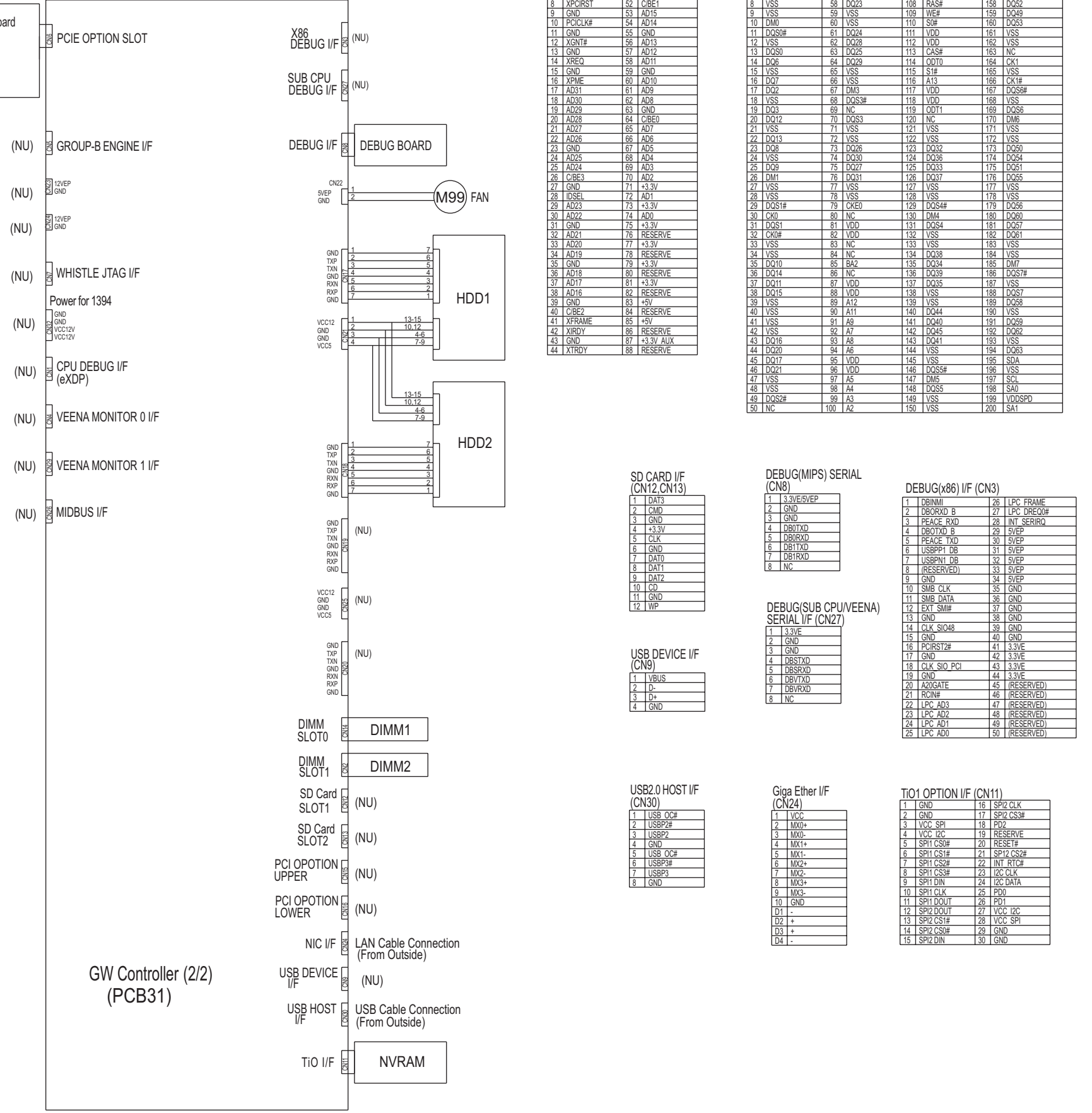
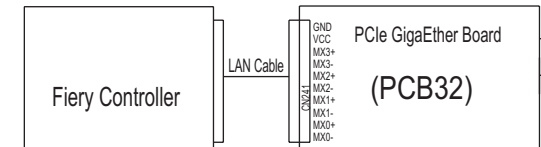
1	TRST
2	TDI
3	TDO
4	TMS
5	TCK
6	RESET#
7	DINT
8	3.3VE WSL
9	NC
10	GND
11	GND
12	GND
13	GND
14	GND

1	MON33	21	GND
2	MON32	22	MON16
3	MON31	23	MON15
4	MON30	24	MON14
5	MON29	25	MON13
6	MON28	26	MON12
7	MON27	27	MON11
8	MON26	28	MON10
9	GND	29	MON9
10	GND	30	MON8
11	MON25	31	GND
12	MON24	32	GND
13	MON23	33	MON7
14	MON22	34	MON6
15	MON21	35	MON5
16	MON20	36	MON4
17	MON19	37	MON3
18	MON18	38	MON2
19	MON17	39	MON1
20	GND	40	MON0

1	GND	21	GND
2	GND	22	MON48
3	MON63	23	MON47
4	MON62	24	MON46
5	MON61	25	MON45
6	MON60	26	MON44
7	MON59	27	MON43
8	MON58	28	MON42
9	MON57	29	GND
10	MON56	30	GND
11	GND	31	MON41
12	GND	32	MON40
13	MON55	33	MON39
14	MON54	34	MON38
15	MON53	35	MON37
16	MON52	36	MON36
17	MON51	37	MON35
18	MON50	38	MON34
19	MON49	39	GND
20	GND	40	GND

1	GND	31	GND
2	GND	32	GND
3	OBSFN A0	33	OBSDATA B(2)
4	OBSFN C0	34	OBSDATA D(2)
5	OBSFN A1	35	OBSDATA B(3)
6	OBSFN C1	36	OBSDATA D(3)
7	GND	37	GND
8	GND	38	GND
9	OBSDATA A(0)	39	HOOK0
10	OBSDATA C(0)	40	HOOK4
11	OBSDATA A(1)	41	HOOK1
12	OBSDATA C(1)	42	HOOK5
13	GND	43	VCC_OBS_AB
14	GND	44	VCC_OBS_CD
15	OBSDATA A(2)	45	HOOK2
16	OBSDATA C(2)	46	HOOK6
17	OBSDATA A(3)	47	HOOK3
18	OBSDATA C(3)	48	HOOK7
19	GND	49	GND
20	GND	50	GND
21	OBSFN B0	51	SDA
22	OBSFN D0	52	TDO
23	OBSFN B1	53	SCL
24	OBSFN D1	54	TRSTn
25	GND	55	TCK1
26	GND	56	TDI
27	OBSDATA B(0)	57	TCK0
28	OBSDATA D(0)	58	TMS
29	OBSDATA B(1)	59	GND
30	OBSDATA D(1)	60	GND

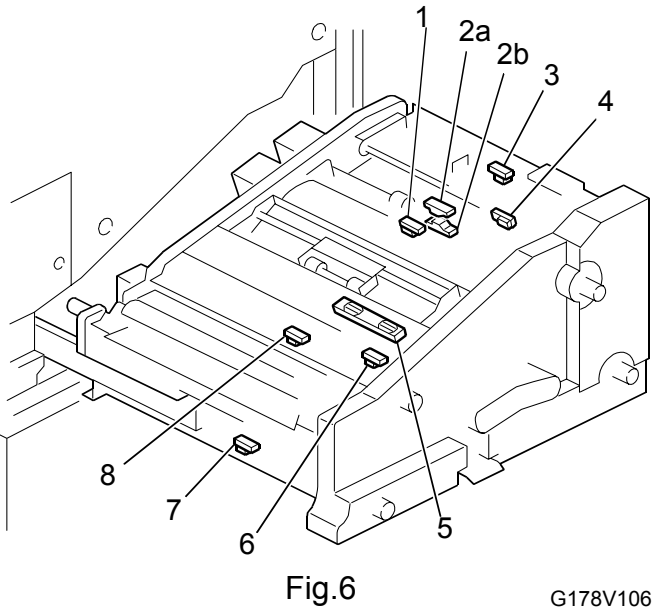
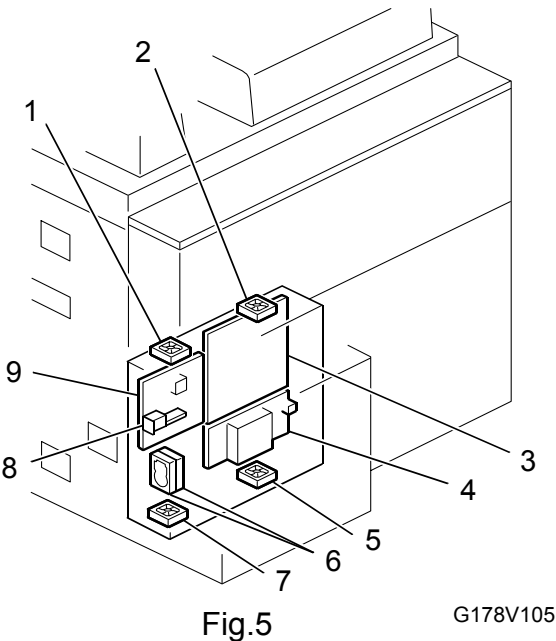
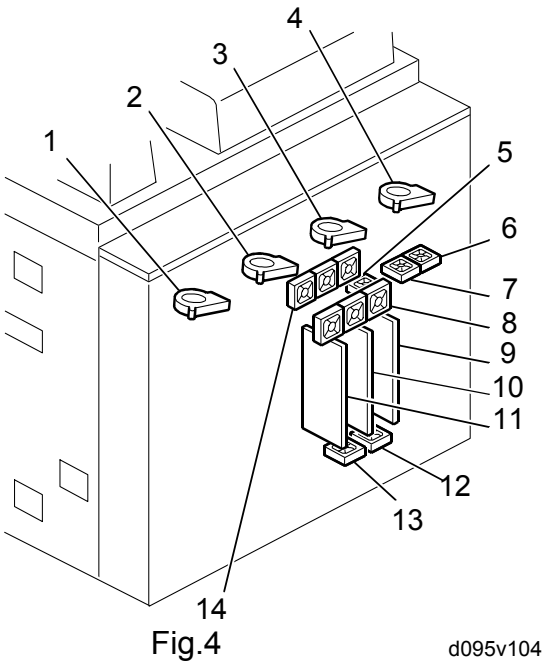
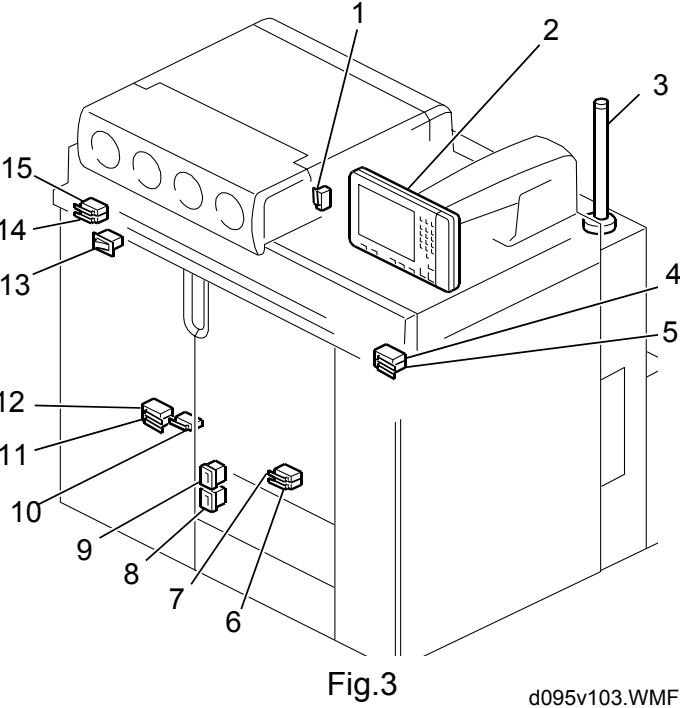
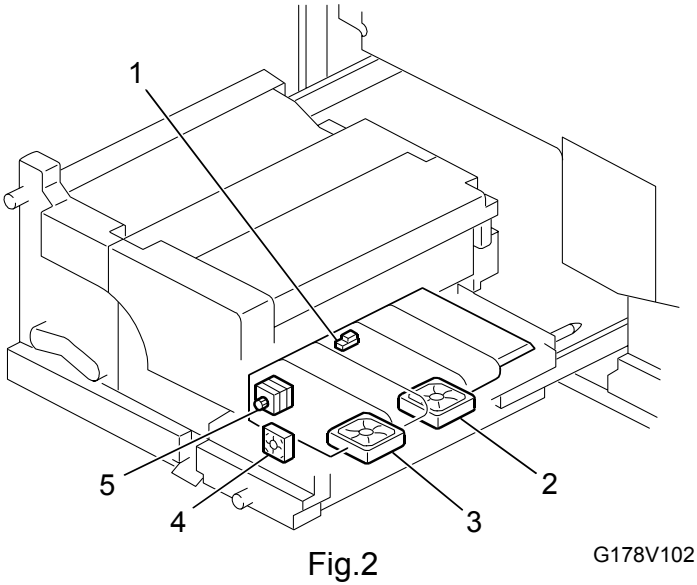
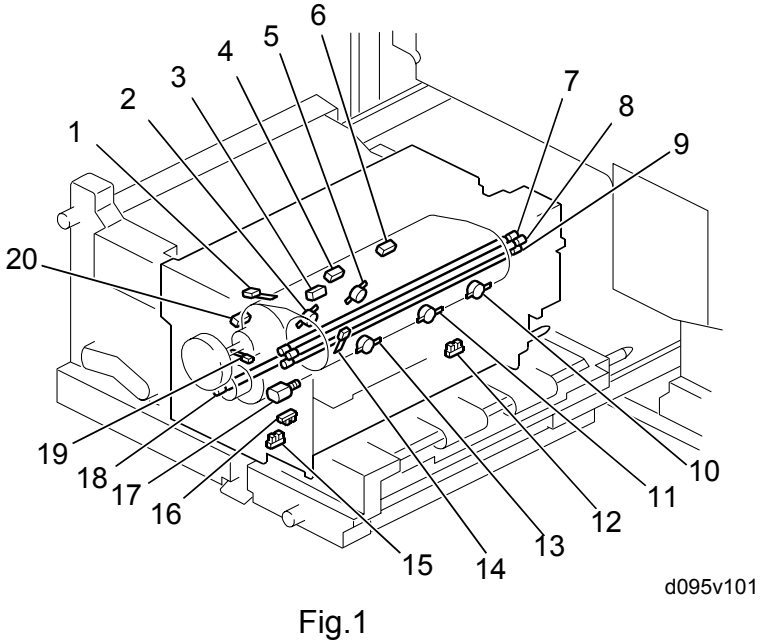
1	C0p Upstream
2	GND
3	C0n Upstream
4	C0p Downstream
5	GND
6	C0n Downstream
7	C1p Upstream
8	GND
9	C1n Upstream
10	C1p Downstream
11	GND
12	C1n Downstream
13	C2p Upstream
14	GND
15	C2n Upstream
16	C2p Downstream
17	GND
18	C2n Downstream
19	C3p Upstream
20	GND
21	C3n Upstream
22	C3p Downstream
23	GND
24	C3n Downstream



1	GND	45	XDEVSEL
2	XINTC	46	XSTOP
3	GND	47	GND
4	XINTC	48	XPERR
5	GND	49	XERR
6	RESERVE	50	PAR
7	GND	51	GND
8	XPICRST	52	CBE1
9	GND	53	AD15
10	PCICLK#	54	AD14
11	GND	55	GND
12	XGNT#	56	AD13
13	GND	57	AD12
14	XREQ	58	AD11
15	GND	59	GND
16	XPME	60	AD10
17	AD03	61	AD09
18	AD29	62	AD8
19	AD29	63	GND
20	AD28	64	CBE0
21	AD27	65	AD7
22	AD26	66	AD6
23	GND	67	AD5
24	AD25	68	AD4
25	AD24	69	AD3
26	CBE3	70	AD2
27	GND	71	+3.3V
28	IDSEL	72	AD1
29	AD23	73	+3.3V
30	AD22	74	AD0
31	GND	75	+3.3V
32	AD21	76	RESERVE
33	AD20	77	+3.3V
34	AD19	78	RESERVE
35	GND	79	+3.3V
36	AD18	80	RESERVE
37	AD17	81	+3.3V
38	AD16	82	RESERVE
39	GND	83	+5V
40	CBE2	84	RESERVE
41	XFRAME	85	+5V
42	XPRODY	86	RESERVE
43	GND	87	+3.3V AUX
44	XTRDY	88	RESERVE

1	VREF	51	DQS2	101	A1	151	DQ4
2	VSS	52	DM2	102	A0	152	DQ4E
3	VSS	53	VSS	103	VDD	153	DQ4S
4	DQ4	54	VSS	104	VDD	154	DQ4T
5	DQ0	55	DQ18	105	A10AP	155	VSS
6	DQ5	56	DO22	106	BA1	156	VSS
7	DQ1	57	DQ19	107	BA0	157	DQ4H
8	VSS	58	DO23	108	RAS#	158	DQ52
9	VSS	59	VSS	109	WE#	159	DQ49
10	DM0	60	VSS	110	SOP	160	DQ53
11	DQS#	61	DQ24	111	VDD	161	VSS
12	VSS	62	DO29	112	VDD	162	VSS
13	DQ0S0	63	DO25	113	CAS#	163	NC
14	DQ6	64	DO28	114	ODT0	164	CK1
15	VSS	65	VSS	115	S1#	165	VSS
16	DQ7	66	VSS	116	A13	166	CK1#
17	DQ2	67	DM3	117	VDD	167	DQ56#
18	VSS	68	DQS3#	118	VDD	168	VSS
19	DQ3	69	NC	119	ODT1	169	DQ56
20	DO12	70	DQS3	120	NC	170	DM6
21	VSS	71	VSS	121	VSS	171	VSS
22	DO13	72	VSS	122	VSS	172	VSS
23	DQ8	73	DO28	123	DO28	173	DQ60
24	VSS	74	DO30	124	DO36	174	DQ54
25	DO9	75	DO27	125	DO33	175	DO51
26	DM1	76	DO31	126	DO37	176	DO55
27	VSS	77	VSS	127	VSS	177	VSS
28	VSS	78	VSS	128	VSS	178	VSS
29	DQS1#	79	CKE0	129	DQS4#	179	DQ56
30	CK0	80	NC	130	DM4	180	DQ60
31	DO51	81	VDD	131	DQ54	181	DQ57
32	CK#	82	VDD	132	VSS	182	DO61
33	VSS	83	NC	133	VSS	183	VSS
34	VSS	84	NC	134	DO38	184	VSS
35	DO10	85	BA2	135	DO34	185	DM7
36	DO14	86	NC	136	DO39	186	DQ57#
37	DQ11	87	VDD	137	DQ35	187	VSS
38	DO15	88	VDD	138	VSS	188	DO57
39	VSS	89	A12	139	VSS	189	DQ58
40	CBE2	90	A11	140	DQ44	190	VSS
41	VSS	91	A9	141	DO40	191	DQ59
42	VSS	92	A7	142	DO45	192	DO62
43	DO16	93	A8	143	DO41	193	VSS
44	DO20	94	A6	144	VSS	194	DO63
45	DO17	95	VDD	145	VSS	195	SDA
46	DO21	96	VDD	146	DQS5#	196	VSS
47	VSS	97	A5	147	DM5	197	SCL
48	VSS	98	A4	148	DQS5	198	SA0
49	DQS2#	99	A3	149	VSS	199	

D095/M077 ELECTRICAL COMPONENT LAYOUT (1/5)



D095/M077 ELECTRICAL COMPONENT LAYOUT (2/5)

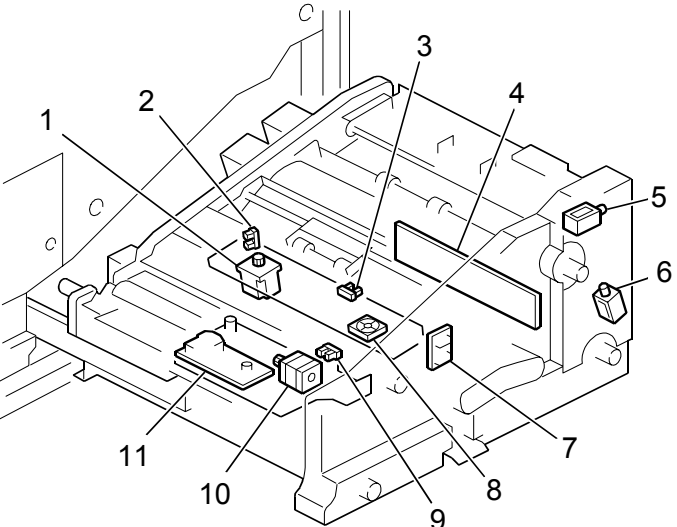


Fig.7 G178V107

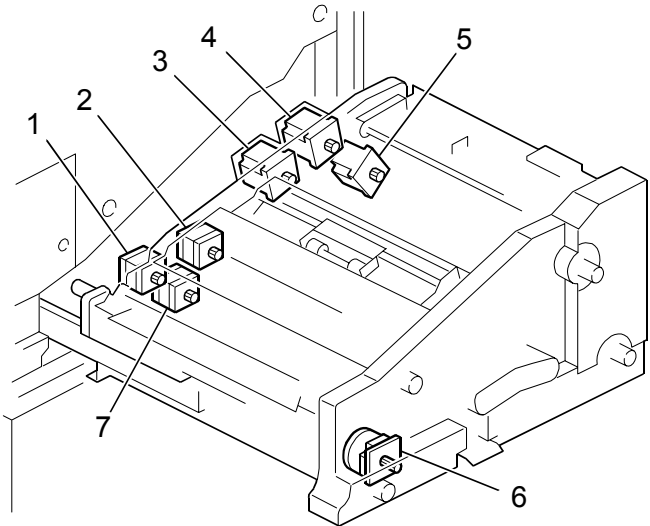


Fig.8 G178V108

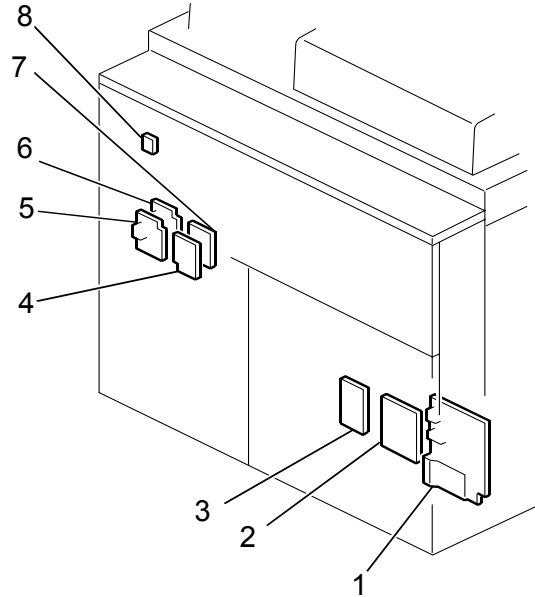


Fig.9 d095v109

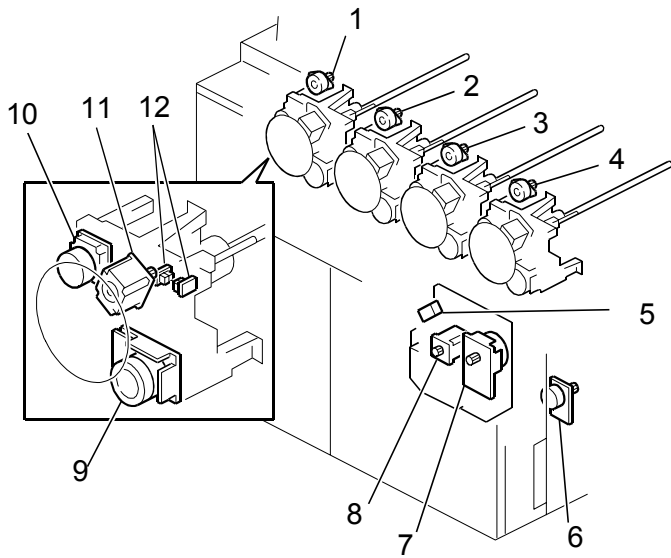


Fig.10 d095v110

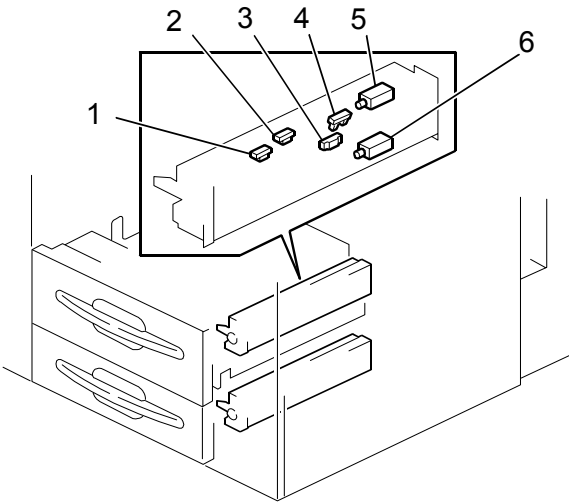


Fig.11 G178V111

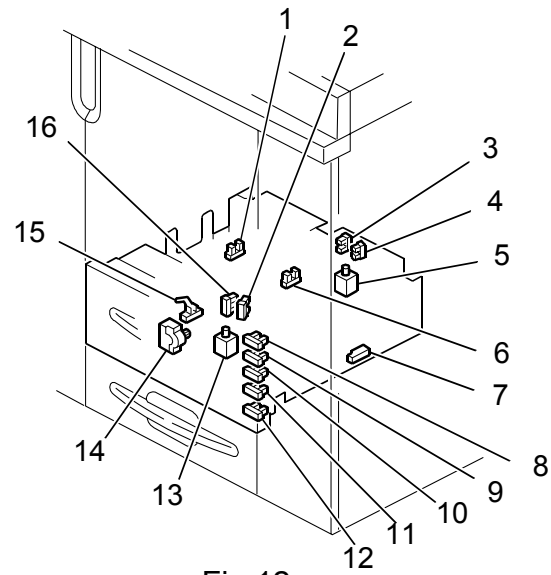


Fig.12 G178V112

D095/M077 ELECTRICAL COMPONENT LAYOUT (3/5)

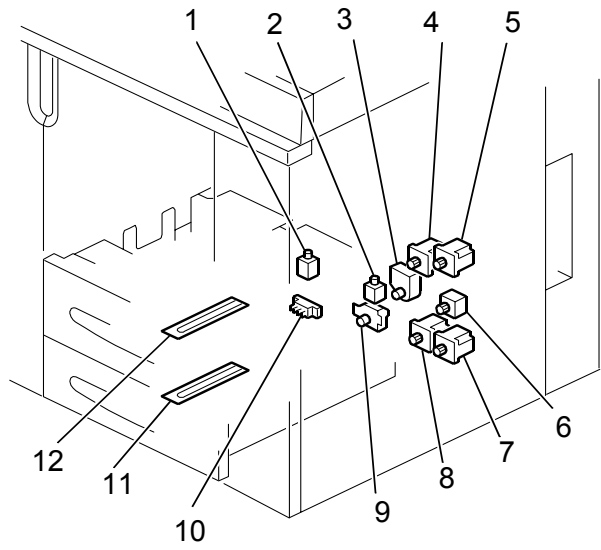


Fig.13

d095v113

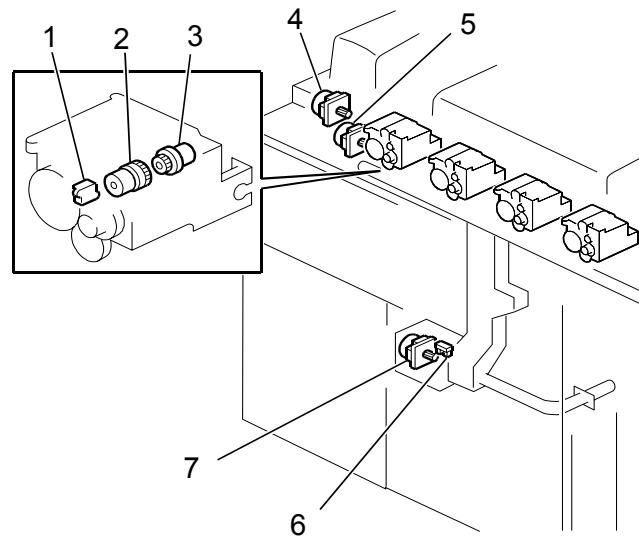


Fig.14

d095v114

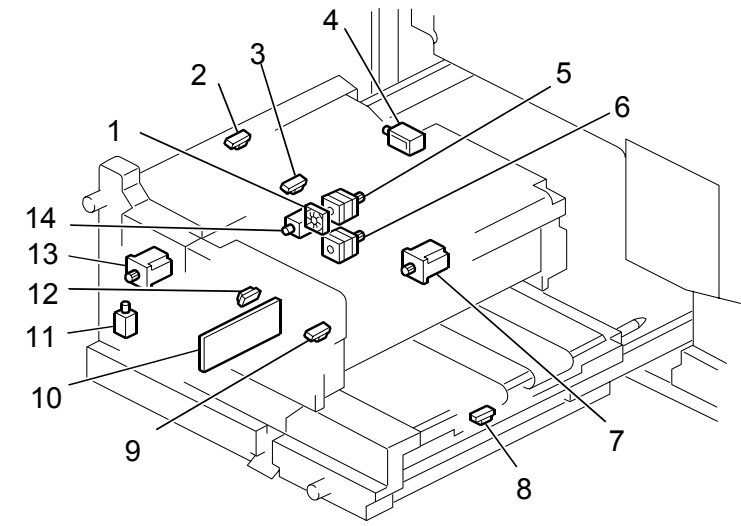


Fig.15

d095v115

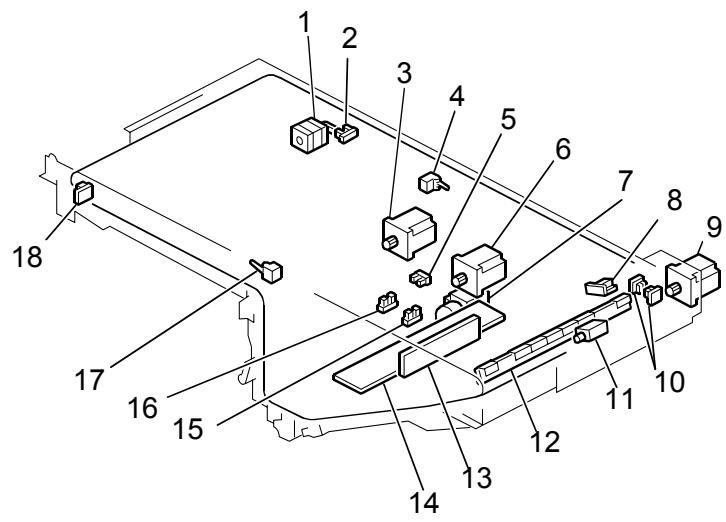


Fig.16

G178V116

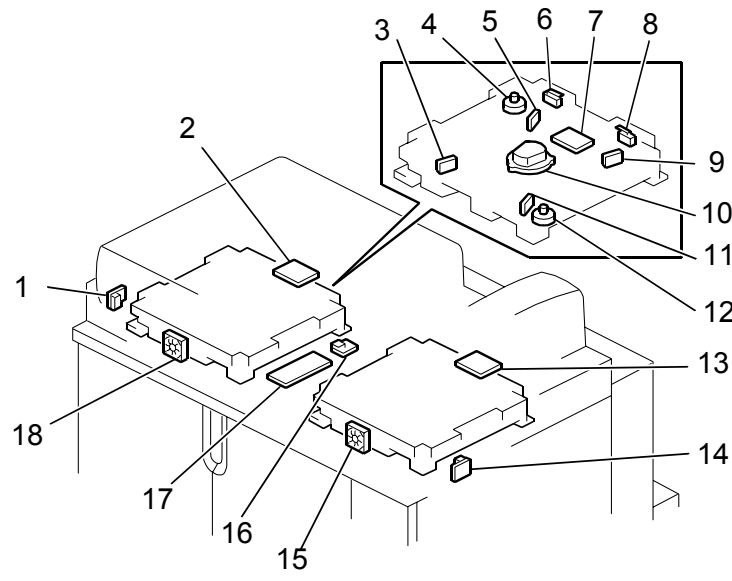


Fig.17

G178V117

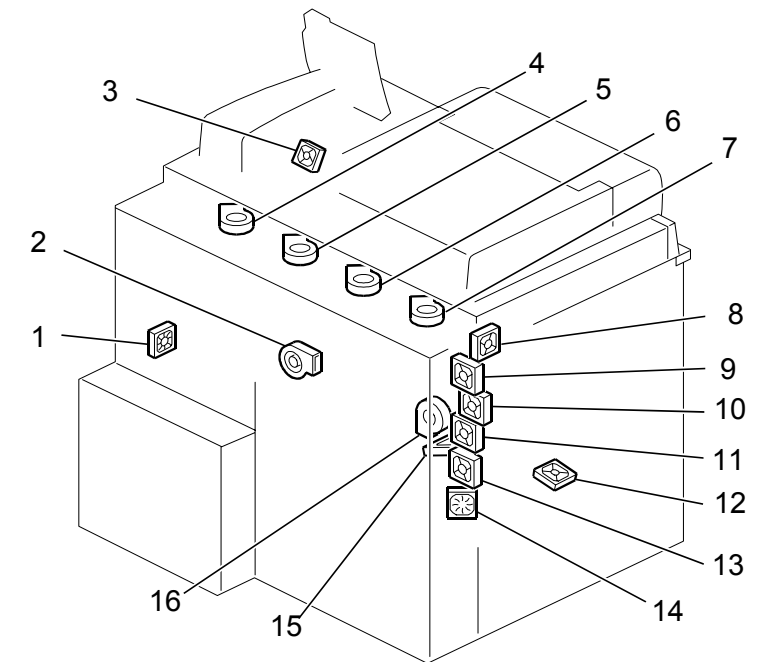
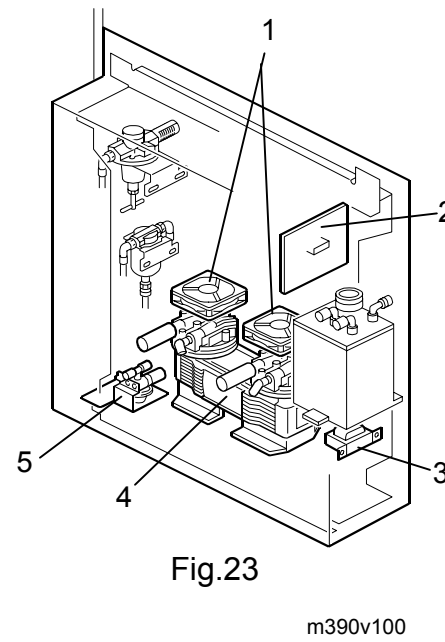
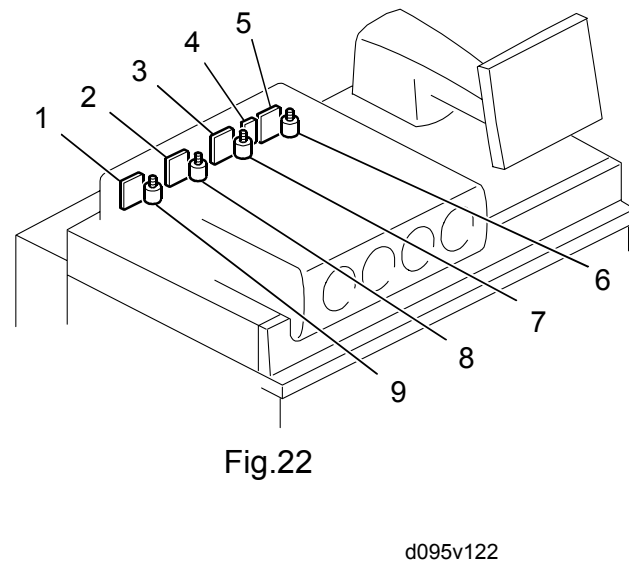
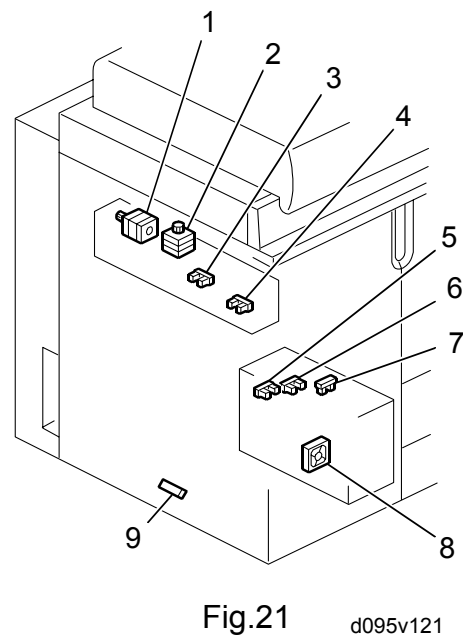
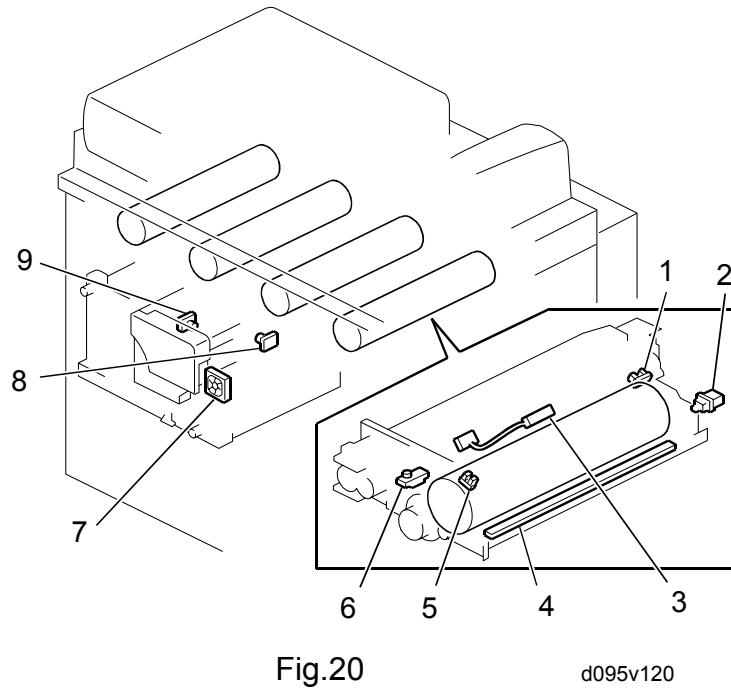
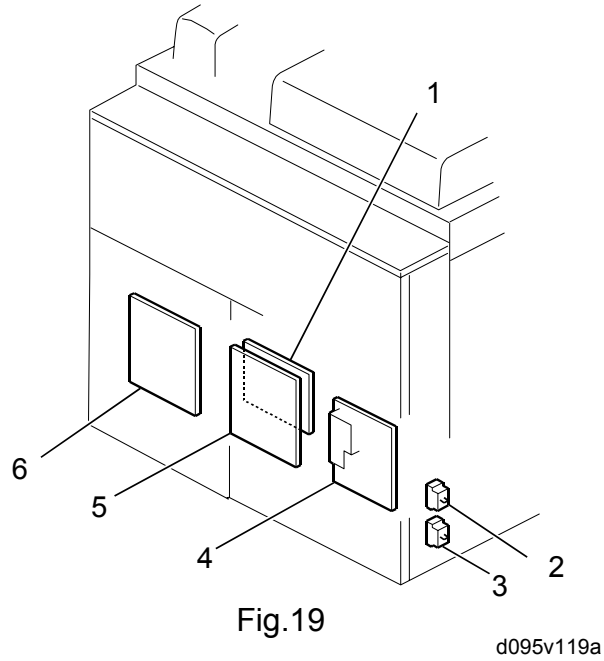


Fig.18

G178V118

D095/M077 ELECTRICAL COMPONENT LAYOUT (4/5)



Symbol	Index No.	Description	P to P
Motors			
M1	Fig.4-4	Ozone Fan-Y	1-B7
M2	Fig.4-3	Ozone Fan-M	1-B7
M3	Fig.4-2	Ozone Fan-C	1-B7
M4	Fig.4-1	Ozone Fan-K	1-C7
M5	Fig.4-5	Fusing Exhaust Fan 1	1-C5
M6	Fig.4-7	Fusing Exhaust Fan 2	1-C5
M7	Fig.4-6	Fusing Exhaust Fan 3	1-C5
M8	Fig.4-8	PSU Fan 1	1-D6
M9	Fig.4-8	PSU Fan 2	1-D6
M10	Fig.4-8	PSU Fan 3	1-D6
M11	Fig.4-13	PSU Fan 4	1-D6
M12	Fig.4-12	PSU Fan5	1-D6
M13	Fig.18-12	Paper Cooling Fan 3	2-A7
M14	Fig.18-9	Fusing Fan 1	3-B3
M15	Fig.18-10	Fusing Fan 2	3-B3
M16	Fig.18-11	Fusing Fan 3	3-C3
M17	Fig.18-8	Fusing Fan 4	3-C3
M18	Fig.18-2	Fusing Fan 5	3-D4
M19	Fig.18-16	Fusing Fan 6	3-D4
M20	Fig.18-15	Paper Cooling Fan 1	3D4
M21	Fig.18-13	Paper Cooling Fan 2	3-D4
M22	Fig.20-7	ITB FAN	3-C2
M23	Fig.18-14	Exit Fan	3-C3
M24	Fig.10-7	Fusing Motor	3-G2
M25	Fig.10-6	Paper Exit Motor	3-G3
M26	Fig.21-1	Decarler Feed Motor	3-I3
M27	Fig.21-2	Decarler Drive Motor	3-I3
M28	Fig.10-8	Pressure Roller Lift Motor	3-J2
M29	Fig.15-13	Paper Exit Transport Motor	3-I15
M30	Fig.1-17	Web Motor	2-J12
M31	Fig.2-3	PTB FAN 1	3-D16
M32	Fig.2-2	PTB FAN 2	3-E16
M33	Fig.2-4	PTB Cooling Fan	3-E15
M34	Fig.2-5	PTB Motor	3-E15
M35	Fig.15-1	Inverter Motor Fan	3-J15
M36	Fig.15-7	Duplex Transport Motor 1	3-J15
M37	Fig.15-5	Inverter Motor	3-J15
M38	Fig.15-6	Switchback Motor	3-K15
M39	Fig.16-9	ITB Drive Motor	4-C2
M40	Fig.16-1	Belt Centering Roller Motor	4-C2
M41	Fig.16-3	ITB Color Lift Motor	4-D2
M42	Fig.16-6	ITB Black Lift Motor	4-D2
M43	Fig.16-7	ITB Cleaning Motor	4-G2
M44	Fig.16-7	Waste Toner Transport Motor 2	4-C8
M45	Fig.12-14	Rear Fence Drive Motor	4-D14
M46	Fig.13-3	1st Tray Lift Motor	4-H14
M47	Fig.13-9	2nd Tray Lift Motor	4-H14
M48	Fig.13-5	1st Grip Motor	4-I14
M49	Fig.13-6	Vertical Relay Motor	4-J13
M50	Fig.13-7	2nd Grip Motor	4-J13
M51	Fig.13-4	1st Paper Feed Motor	4-J13
M52	Fig.13-8	2nd Paper Feed Motor	4-K13
M53	Fig.10-9	Development Motor Y	5-H3
M54	Fig.10-9	Development Motor M	5-H3
M55	Fig.10-9	Development Motor C	5-I3
M56	Fig.10-9	Development Motor K	5-I3
M57	Fig.18-3	Development CK Fan	5-B14
M58	Fig.18-1	Registration Fan	5-C6
M59	Fig.10-4	Charge Unit Cleaning Motor Y	5-D7
M60	Fig.10-3	Charge Unit Cleaning Motor M	5-D7
M61	Fig.10-2	Charge Unit Cleaning Motor C	5-D7
M62	Fig.10-1	Charge Unit Cleaning Motor K	5-D7
M63	Fig.10-11	Drum Motor Y	5-F7

Symbol	Index No.	Description	P to P
Motors			
M64	Fig.10-11	Drum Motor M	5-F7
M65	Fig.10-11	Drum Motor C	5-G7
M66	Fig.10-11	Drum Motor K	5-G7
M67	Fig.10-10	Drum Cleaning Motor C	5-C12
M68	Fig.10-10	Drum Cleaning Moto K	5-E12
M69	Fig.10-10	Drum Cleaning Moto Y	5-F12
M70	Fig.10-10	Drum Cleaning Moto M	5-G12
M71	Fig.18-7	Development Fan Y	5-K11
M72	Fig.18-6	Development Fan M	5-K11
M73	Fig.18-5	Development Fan C	5-K11
M74	Fig.18-4	Development Fan K	5-L11
M75	Fig.22-9	Toner Bottle Motor Y	6-D3
M76	Fig.22-8	Toner Bottle Motor M	6-D3
M77	Fig.22-7	Toner Bottle Motor C	6-E3
M78	Fig.22-6	Toner Bottle Motor K	6-E3
M79	Fig.14-4	Toner Supply Motor	6-G5
M80	Fig.8-5	Registration Entrance Motor	6-B15
M81	Fig.8-4	Registration Timing Motor	6-B15
M82	Fig.7-1	Shift Roller Unit Motor	6-B15
M83	Fig.8-3	Registration Gate Motor	6-C15
M84	Fig.8-1	PTR Timing Motor	6-C15
M85	Fig.8-7	Duplex Transport Motor 2	6-D15
M86	Fig.7-10	PTR Lift Motor	6-D15
M87	Fig.8-2	Shift Roller Unit Motor	6-D15
M88	Fig.8-6	PTR Motor	6-F14
M89	Fig.7-8	CIS Fan	6-J15
M90	Fig.14-5	Waste Toner Transport Motor 1	6-G5
M91	Fig.17-10	Polygon Motor YM	7-A2
M92	Fig.17-4	BTL Adjustment Motor Y	7-B4
M93	Fig.17-12	BTL Adjustment Motor M	7-F2
M94	Fig.17-18	YM Laser Unit Fan	7-K4
M95	Fig.17-10	Polygon Motor KC	7-A14
M96	Fig.17-4	BTL Adjustment Motor C	7-B12
M97	Fig.17-12	BTL Adjustment Motor K (Not used)	7-G13
M98	Fig.17-15	CK Laser Unit Fan	7-K11
M99	-	Controller Board Fan	9-C11
M100	Fig.5-1	Controller Fan1	8-A4
M101	Fig.5-2	Controller Fan2	8-A4
M102	Fig.5-7	Controller Fan3	8-A4
M103	Fig.5-5	Controller Fan4	8-B4
M104	Fig.21-8	PTR Unit Cooling Fan	3-E2
M105	Fig.4-14	Plotter Cooling Fan 1	1-A7
M106	Fig.4-14	Plotter Cooling Fan 2	1-A7
M107	Fig.4-14	Plotter Cooling Fan 3	1-B7
Sensors			
S1	Fig.1-12	Rear Pressure Roller Lift Sensor	2-J11
S2	Fig.21-9	Switchback Lower Sensor	3-H2
S3	Fig.21-3	Decurler Unit HP Sensor	3-H2
S4	Fig.21-4	Decurler Unit Limit Sensor	3-H2
S5	Fig.1-15	Front Pressure Roller Lift Sensor	2-J11
S6	Fig.1-16	Web End Sensor	2-J11
S7	Fig.1-3	Accordion Jam Sensor	2-K11
S8	Fig.1-4	Fusing Exit Sensor: Center	2-L11
S9	Fig.2-1	PTB Jam Sensor	3-C15
S10	Fig.15-12	Switchback Sensor	3-C15
S11	Fig.15-9	Duplex Transport Sensor 1	3-D15
S12	Fig.15-8	Duplex Transport Sensor 2	3-D15
S13	Fig.15-2	Paper Exit Sensor	3-G15
S14	Fig.15-3	Exit Junction Timing Sensor	3-G15
S15	Fig.1-20	Fusing Exit Sensor: Front	2-H11
S16	Fig.16-2	Belt Centering Roller Sensor	4-E2

D095/M077 ELECTRICAL COMPONENT LAYOUT (5/5)

Symbol	Index No.	Description	P to P
Sensors			
S17	Fig.16-5	ITB Cleaning Unit Set Sensor	4-E2
S18	Fig.16-4	Belt Overrun Sensor Rear	4-E2
S19	Fig.16-10	ITB Motor Rotation Sensor 1	4-E2
S20	Fig.16-10	ITB Motor Rotation Sensor 2	4-D2
S21	Fig.16-8	Belt Centering Sensor	4-F3
S22	Fig.16-17	Belt Overrun Sensor Front	4-F2
S23	Fig.16-15	ITB Black Lift Sensor	4-F2
S24	Fig.16-16	ITB Color Lift Sensor	4-G2
S25	Fig.16-18	Belt Speed Sensor	4-G2
S26	Fig.16-12	ID/MUSIC Sensors	4-H5
S27	Fig.21-7	Waste Toner Bottle Set Sensor	4-A7
S28	Fig.21-6	Waste Toner Bottle Full Sensor	4-A7
S29	Fig.21-5	Waste Toner Bottle Near-Full Sensor	4-B7
S30	Fig.14-6	Waste Toner Transport Motor 2 Sensor	4-C8
S31	Fig.12-2	Front Side Fence Open Sensor	4-A14
S32	Fig.12-16	Front Side Fence Close Sensor	4-A14
S33	Fig.12-4	Rear Side Fence Open Sensor	4-B14
S34	Fig.12-3	Rear Side Fence Close Sensor	4-B14
S35	Fig.12-7	Right Tray 1 Paper Sensor	4-B14
S36	Fig.12-11	Paper Height Sensor 4	4-C15
S37	Fig.12-10	Paper Height Sensor 3	4-C15
S38	Fig.12-9	Paper Height Sensor 2	4-C15
S39	Fig.12-8	Paper Height Sensor 1	4-C15
S40	Fig.12-12	Lower Limit Sensor	4-C15
S41	Fig.12-1	Rear Fence HP Sensor	4-D14
S42	Fig.12-6	Rear Fence Return Sensor	4-D14
S43	Fig.12-15	Left Tray Paper Sensor	4-D14
S44	Fig.11-1	Paper Feed Sensor 1	4-E14
S45	Fig.11-2	Paper End Sensor 1	4-E14
S46	Fig.11-4	Tray Lift Sensor 1	4-E14
S47	Fig.11-3	Vertical Transport Sensor 1	4-F14
S48	Fig.11-1	Paper Feed Sensor 2	4-F13
S49	Fig.11-2	Paper End Sensor 2	4-G13
S50	Fig.11-4	Tray Lift Sensor 2	4-G13
S51	Fig.11-3	Vertical Transport Sensor 2	4-G13
S52	Fig.17-1	Temperature/Humidity Sensor Y	5-A2
S53	Fig.9-8	Temperature/Humidity Sensor: Rear Top Right	5-B2
S54	Fig.17-14	Temperature/Humidity Sensor K	5-B2
S55	Fig.20-1	Development Roller Rotation Sensor C	5-C2
S56	Fig.20-6	TD Sensor C	5-C2
S57	Fig.20-1	Development Roller Rotation Sensor K	5-D2
S58	Fig.20-6	TD Sensor K	5-D2
S59	Fig.20-1	Development Roller Rotation Sensor Y	5-E2
S60	Fig.20-6	TD Sensor Y	5-F2
S61	Fig.20-1	Development Roller Rotation Sensor M	5-F2
S62	Fig.20-6	TD Sensor M	5-G2
S63	Fig.10-12	Drum Rotation Sensor Y-1	5-J3
S64	Fig.10-12	Drum Rotation Sensor Y-2	5-J3
S65	Fig.10-12	Drum Rotation Sensor M-1	5-J3
S66	Fig.10-12	Drum Rotation Sensor M-2	5-K3
S67	Fig.10-12	Drum Rotation Sensor C-1	5-K3
S68	Fig.10-12	Drum Rotation Sensor C-2	5-K3
S69	Fig.10-12	Drum Rotation Sensor K-1	5-K3
S70	Fig.10-12	Drum Rotation Sensor K-2	5-L3
S71	Fig.17-16	Temperature/Humidity Sensor: Laser Unit	5-A12
S72	Fig.20-3	Drum Potential Sensor Y	5-A16
S73	Fig.20-3	Drum Potential Sensor M	5-B16
S74	Fig.20-3	Drum Potential Sensor C	5-B16
S75	Fig.20-3	Drum Potential Sensor K	5-C16
S76	Fig.20-5	Charge Cleaning Unit HP Sensor Y	5-B12
S77	Fig.20-5	Charge Cleaning Unit HP Sensor M	5-B12
S78	Fig.20-5	Charge Cleaning Unit HP Sensor C	5-C12
S79	Fig.20-5	Charge Cleaning Unit HP Sensor K	5-C12

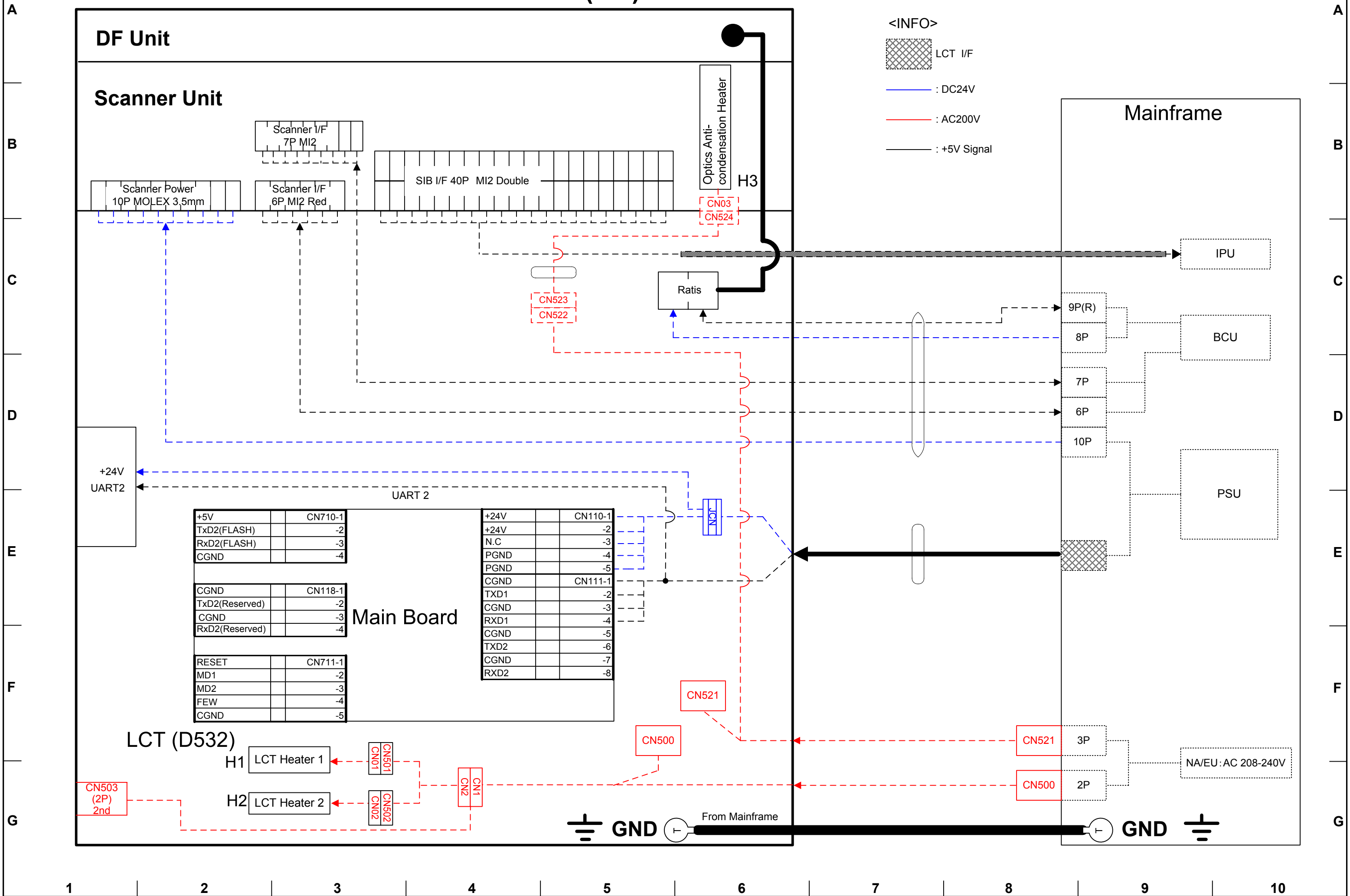
Symbol	Index No.	Description	P to P
Sensors			
S80	Fig.14-1	Toner End Sensor Y	6-B5
S81	Fig.14-1	Toner End Sensor M	6-B5
S82	Fig.14-1	Toner End Sensor C	6-B5
S83	Fig.14-1	Toner End Sensor K	6-B5
S84	Fig.6-4	Registration Entrance Sensor	6-B9
S85	Fig.6-3	LCT Entrance Sensor	6-B9
S86	Fig.6-1	Registration Timing Sensor	6-G15
S87	Fig.6-8	PTR Timing Sensor	6-G15
S88	Fig.7-3	Registration Gate Lift Sensor	6-G15
S89	Fig.6-2b	Double-feed Sensor (Reception)	6-H15
S90	Fig.7-2	Shift Roller HP Sensor	6-H15
S91	Fig.7-9	PTR Lift Sensor	6-H15
S92	Fig.6-7	Duplex Transport Sensor 3	6-H15
S93	Fig.6-6	Duplex Transport Sensor 4	6-H15
S94	Fig.17-5	Laser Synchronizing Detector Y: LE	7-F3
S95	Fig.17-3	Laser Synchronizing Detector Y: TE	7-F3
S96	Fig.17-11	Laser Synchronizing Detector M: LE	7-K2
S97	Fig.17-9	Laser Synchronizing Detector M: TE	7-K2
S98	Fig.17-5	Laser Synchronizing Detector C: LE	7-F13
S99	Fig.17-3	Laser Synchronizing Detector C: TE	7-F13
S100	Fig.17-11	Laser Synchronizing Detector K: LE	7-J13
S101	Fig.1-6	Fusing Exit Sensor: Rear	2-H11
PCBs			
PCB1	Fig.4-9	PSU-EB	1-E4
PCB2	Fig.4-10	PSU-EA1	1-H4
PCB3	Fig.4-11	PSU-EA2	1-J4
PCB4	Fig.19-6	IOB 1	1-B11 5-K7 6-I8
PCB5	Fig.19-5	IOB 2	1-C14 2-B2 3-E6 4-K10 8-B2
PCB6	Fig.9-3	Relay Board	1-J10 3-F8 4-D8
PCB7	Fig.9-2	FIB	2-D6
PCB8	Fig.19-4	AC Drive Board	2-F6
PCB9	Fig.9-1	PSU-G	2-E11
PCB10	Fig.15-10	PDB1	3-K11
PCB11	Fig.17-17	Potential Sensor Board	5-A15
PCB12	Fig.22-4	RFID CPU	6-G3
PCB13	Fig.22-5	RFID K	6-H3
PCB14	Fig.22-3	RFID C	6-I3
PCB15	Fig.22-2	RFID M	6-K3
PCB16	Fig.22-1	RFID Y	6-K5
PCB17	Fig.7-4	RCB	6-H11
PCB18	Fig.7-7	CIS Relay Board	6-I14
PCB19	Fig.17-7	Polygon Motor Drive Board YM	7-B3
PCB20	-	LDB Y	7-B2
PCB21	-	LDB M	7-G2
PCB22	Fig.17-2	OPI YM	7-J5
PCB23	Fig.17-13	OPI CK	7-J10
PCB24	Fig.5-3	IPU	7-C8 8-J7
PCB25	Fig.17-7	Polygon Motor Drive Board CK	7-B12
PCB26	-	LDB C	7-B13
PCB27	-	LDB K	7-G13
PCB28	Fig.19-1	BCU	8-C2
PCB29	Fig.5-4	PSU-C	8-J5
PCB30	Fig.3-2	OPU	8-D12
PCB31	Fig.5-9	GW Controller	9-J8
PCB32	Fig.5-8	GigaEthernet Board	9-B7
PCB33	Fig.16-13	TRB	4-C5

Symbol	Index No.	Description	P to P
Switches			
SW1	Fig.3-13	Main Switch	1-I2
SW2	Fig.3-6/7	Front Door SW - R	2-A9
SW3	Fig.3-11/12	Front Door SW - L	2-A8
Switches			
SW4	Fig.3-10	Front Left Door Open Switch	2-B9
SW5	Fig.3-14/15	Upper Front Cover SW -L	2-A11
SW6	Fig.3-4/5	Upper Front Cover SW -R	2-A12
SW7	Fig.13-10	Paper Size Switch	4-I13
SW8	Fig.20-2	Drum Cleaning Unit Set SW C	5-D12
SW9	Fig.20-2	Drum Cleaning Unit Set SW K	5-E12
SW10	Fig.20-2	Drum Cleaning Unit Set SW Y	5-F12
SW11	Fig.20-2	Drum Cleaning Unit Set SW M	5-G12
SW12	Fig.3-1	Toner Hopper Door Switch	6-D4
SW13	Fig.17-6/8	Laser Unit MY Cover Switch	7-J4
SW14	Fig.17-6/8	Laser Unit CK Cover Switch	7-J12
Solenoids			
SOL1	Fig.15-14	Inverter Roller Solenoid	3-G15
SOL2	Fig.15-11	Switchback Junction Gate Solenoid	3-F14
SOL3	Fig.15-4	Exit Junction Gate Solenoid	3-F15
SOL4	Fig.16-11	ID Sensor Shutter Solenoid	4-D2
SOL5	Fig.12-13	Front Side Fence Solenoid	4-B14
SOL6	Fig.12-5	Rear Side Fence Solenoid	4-B14
SOL7	Fig.11-5	Pick-up Solenoid 1	4-F14
SOL8	Fig.11-6	Separation Roller Solenoid 1	4-F14
SOL9	Fig.11-5	Pick-up Solenoid 2	4-G14
SOL10	Fig.11-6	Separation Roller Solenoid 2	4-G14
SOL11	Fig.13-1	Left Tray Lock Solenoid	4-H14
SOL12	Fig.13-2	Tandem Tray Connect Solenoid	4-H14
SOL13	Fig.7-6	Registration Entrance Solenoid	6-E15
SOL14	Fig.7-5	LCT Entrance Solenoid	6-E15
Thermostats			
TS1	Fig.1-10	Thermostat 1	2-F11
TS2	Fig.1-11	Thermostat 2	2-F11
TS3	Fig.1-13	Thermostat 3	2-E11
TS4	Fig.1-2	Thermostat 4	2-E11
TS5	Fig.1-5	Thermostat 5	2-E12
Lamps			
L1	Fig.1-7	Fusing Lamp 1	2-F12
L2	Fig.1-8	Fusing Lamp 2	2-G12
L3	Fig.1-9	Fusing Lamp 3	2-G12
L4	Fig.1-18	Fusing Lamp 4	2-G12
HVPSes			
HVPS1	Fig.16-14	Image Transfer HVPS	4-I5
HVPS2	Fig.9-4	CGB HVPS-Y	5-G14
HVPS3	Fig.9-5	CGB HVPS-M	5-H14
HVPS4	Fig.9-7	CGB HVPS-C	5-I14
HVPS5	Fig.9-6	CGB HVPS-K	5-K14
HVPS6	Fig.7-11	Separation HVPS	6-F15
Clutches			
MC1	Fig.14-2	Toner Supply Clutch K	6-B2
MC2	Fig.14-2	Toner Supply Clutch C	6-B2
MC3	Fig.14-2	Toner Supply Clutch M	6-B2
MC4	Fig.14-2	Toner Supply Clutch Y	6-B3
MC5	Fig.14-3	Toner Pump Clutch K	6-B3
MC6	Fig.14-3	Toner Pump Clutch C	6-B3
MC7	Fig.14-3	Toner Pump Clutch M	6-B3
MC8	Fig.14-3	Toner Pump Clutch Y	6-B4
LEDs			
LED1	Fig.20-4	Quenching Lamp Y	5-F2
LED2	Fig.20-4	Quenching Lamp M	5-G2
LED3	Fig.20-4	Quenching Lamp C	5-C2
LED4	Fig.20-4	Quenching Lamp K	5-E2
Counters			
C1	Fig.3-9	Mechanical Counter 1	2-A7
C2	Fig.3-8	Mechanical Counter 2	2-A7

Symbol	Index No.	Description	P to P
Others			
CB1	Fig.19-3	Braker 2	1-G2
CB2	Fig.19-2	Braker 1	1-F2
TP1	Fig.20-8	Heation Roller Thermopile	3-D2
TP2	Fig.20-9	Pressure Roller Thermopile	3-H15
TH1	Fig.1-14	Heating Roller Thermistor	2-J11
TH2	Fig.1-1	Fusing Belt Thermistor	2-J11
TH3	Fig.1-19	Hot Roller Thermistor	2-K11
H1	Fig.13-12	Tray Heater	4-J15
H2	Fig.13-11	UVTray Heater	4-J15
CIS1	Fig.6-5	CIS	6-J16
LED5	Fig.6-2a	Double-feed Sensor (LED)	6-G15
LED6	Fig.3-3	Attention Light	8-E8
ID Chip 1	-	ID Chip K	6-H2
ID Chip 2	-	ID Chip C	6-I2
ID Chip 3	-	ID Chip M	6-K2
ID Chip 4	-	ID Chip Y	6-J5
NVRAM	-	NVRAM	9-J11
HDD1	Fig.5-6	HDD1	9-D11
HDD2	Fig.5-6	HDD2	9-E11
DIMM1	-	DIMM1	9-H11
DIMM2	-	DIMM2	9-H11
V1	Fig.10-5	Electrical Valve	-

Symbol	Index No.	Description	P to P
Air Separator Unit (Option)			
FAN1, 2	Fig.23-1	Compressor Fan 1, 2	1-B6
-	Fig.23-2	CCB	1-A5
-	Fig.23-3	Transformer	1-B3
-	Fig.23-4	Compressor	1-B3
SOL1	Fig.23-5	Electrical Valve	1-B6

D095 LCT-MF POINT TO POINT DIAGRAM (1/4)



- <INFO>
- LCT I/F
 - : DC24V
 - : AC200V
 - : +5V Signal

+5V	CN710-1	+24V	CN110-1
TxD2(FLASH)	-2	+24V	-2
RxD2(FLASH)	-3	N.C	-3
CGND	-4	PGND	-4
		PGND	-5
		CGND	CN111-1
CGND	CN118-1	TXD1	-2
TxD2(Reserved)	-2	CGND	-3
CGND	-3	RXD1	-4
RxD2(Reserved)	-4	CGND	-5
		TXD2	-6
		CGND	-7
RESET	CN711-1	RXD2	-8
MD1	-2		
MD2	-3		
FEW	-4		
CGND	-5		

Main Board

LCT (D532)

H1 LCT Heater 1
H2 LCT Heater 2

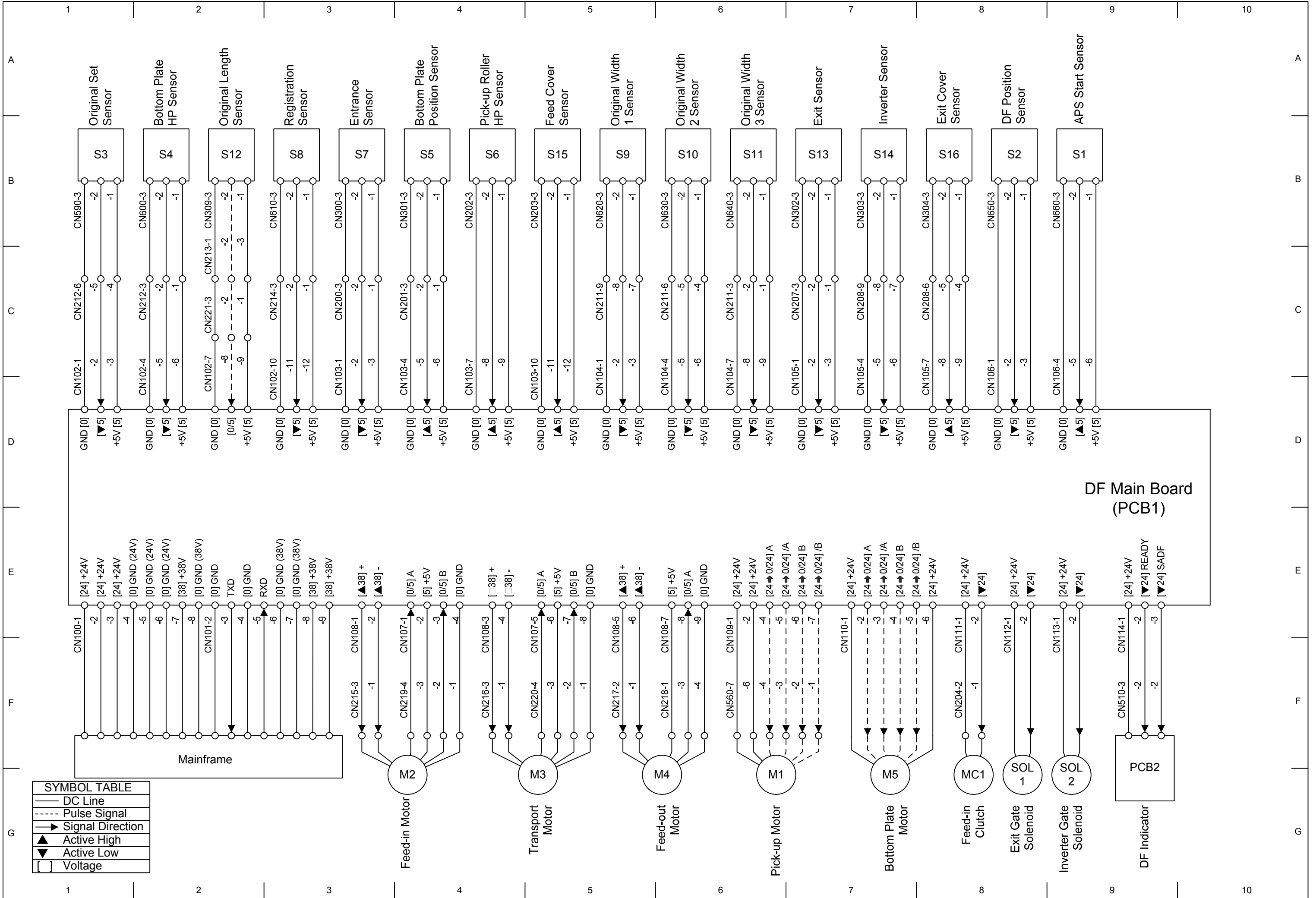
GND

From Mainframe

GND

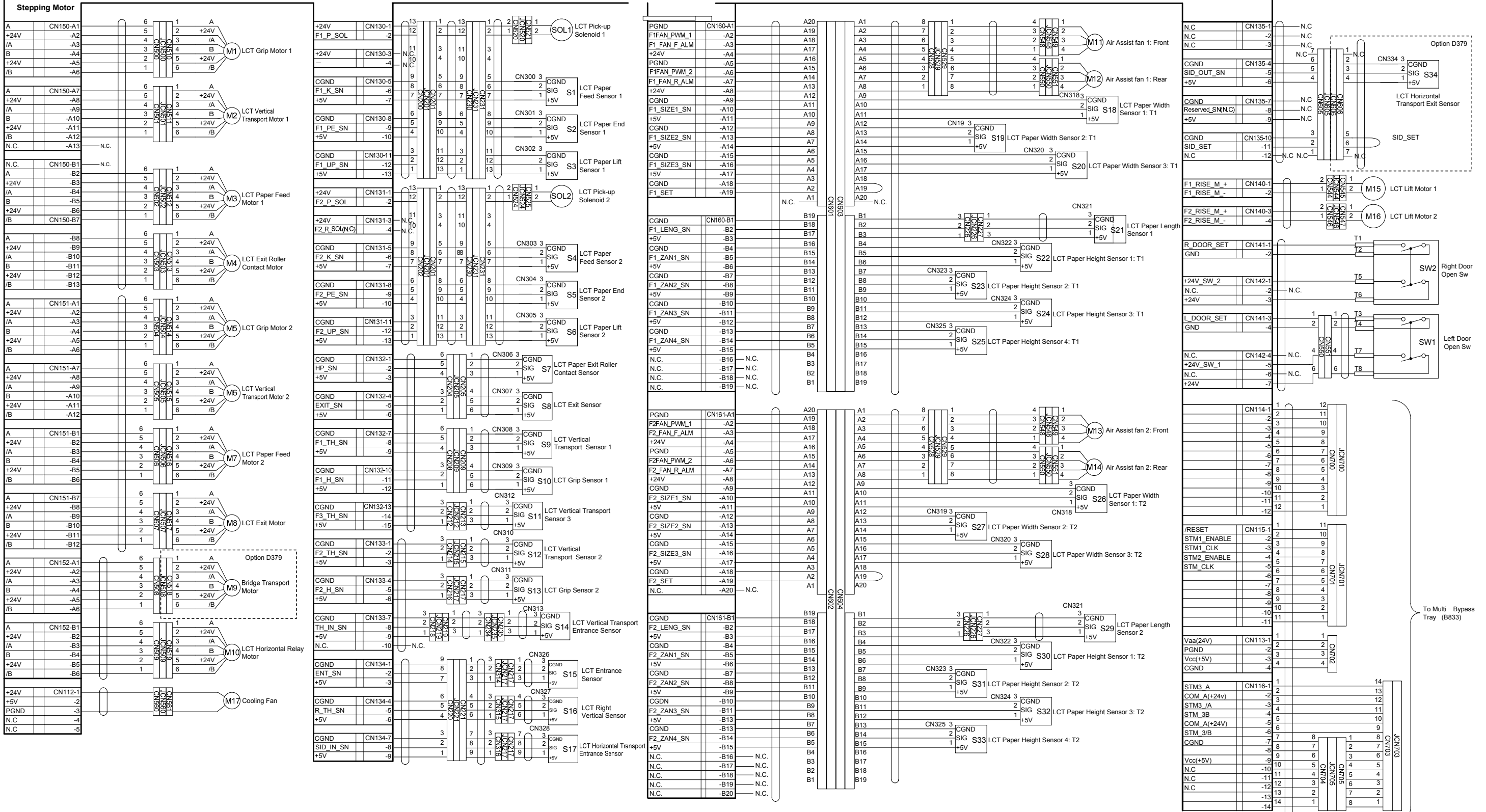
NA/EU: AC 208-240V

D095 LCT-MF POINT TO POINT DIAGRAM (2/4)

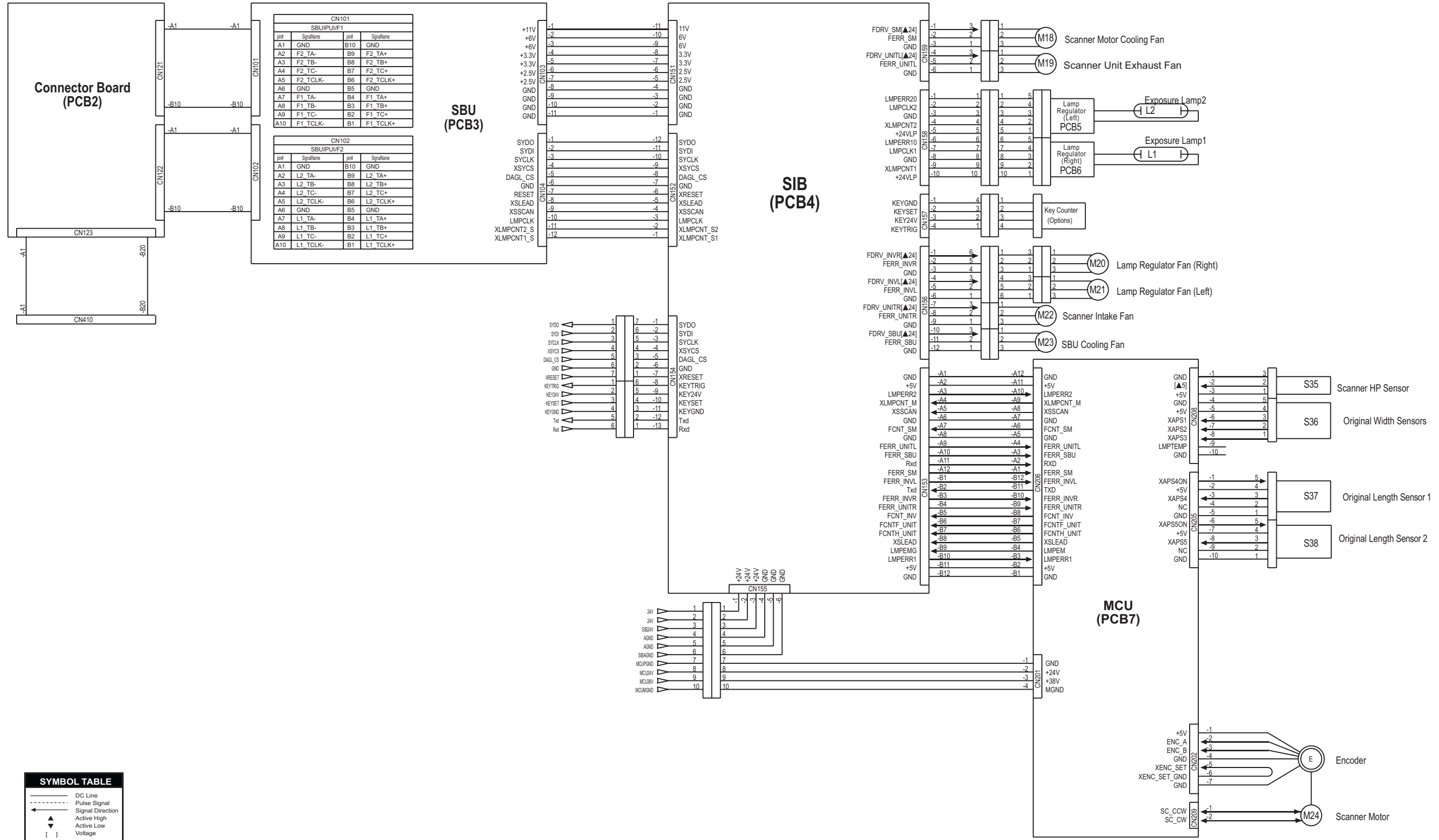


D095 LCT-MF POINT TO POINT DIAGRAM (3/4)

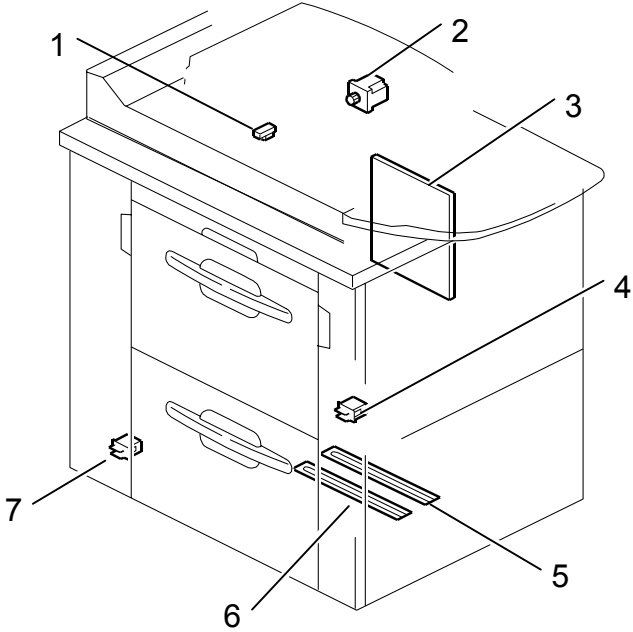
Paper Feed/ Paper Transport SN



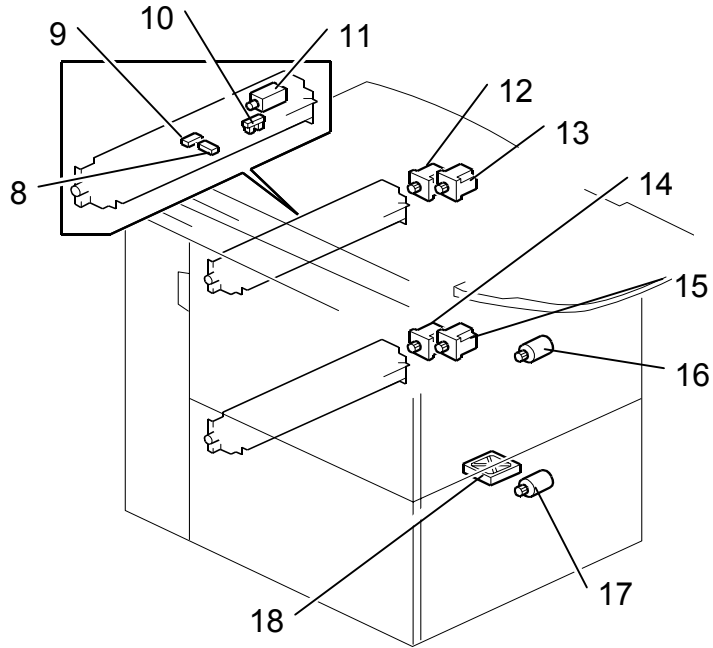
D095 LCT-MF POINT TO POINT DIAGRAM (4/4)



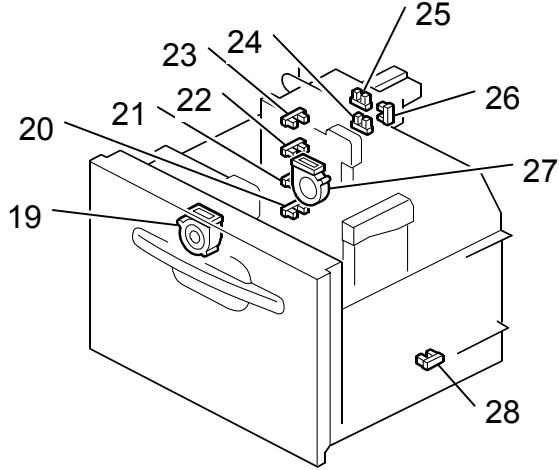
D095 (LCT-MF) ELECTRICAL COMPONENT LAYOUT (1/2)



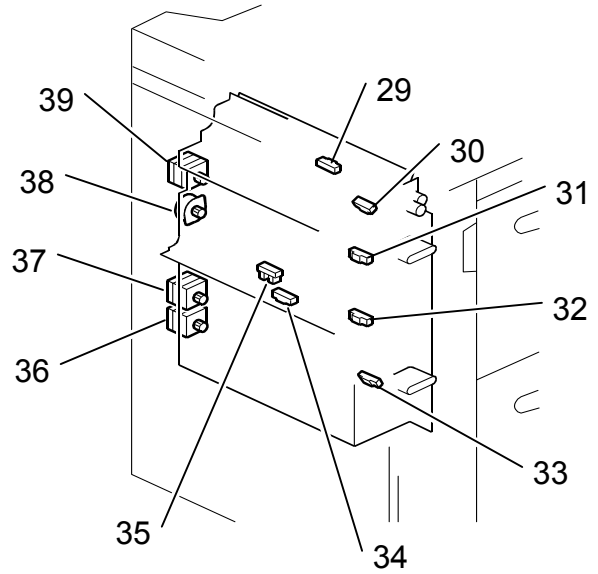
d532v301



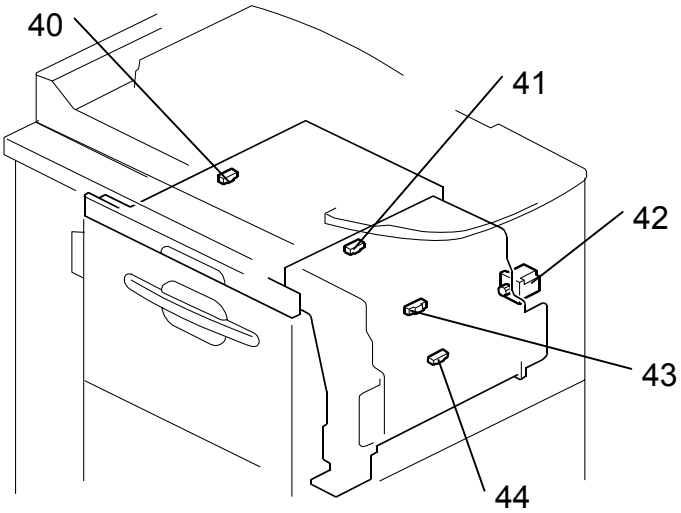
d532v301



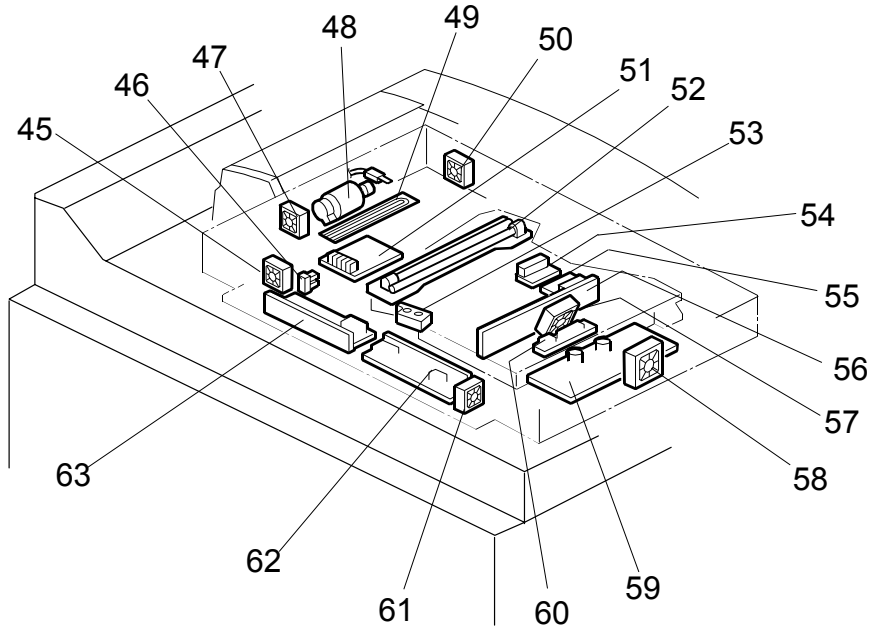
D355V203.WMF



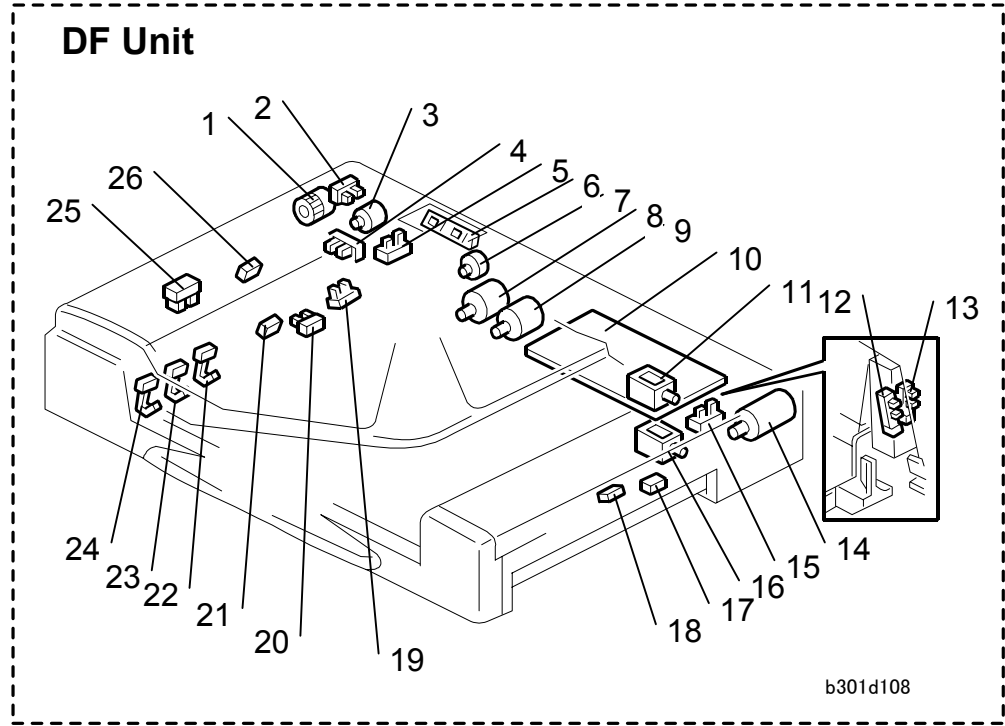
d532v303



d532v304



d016v352.WMF



b301d108

D095 (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