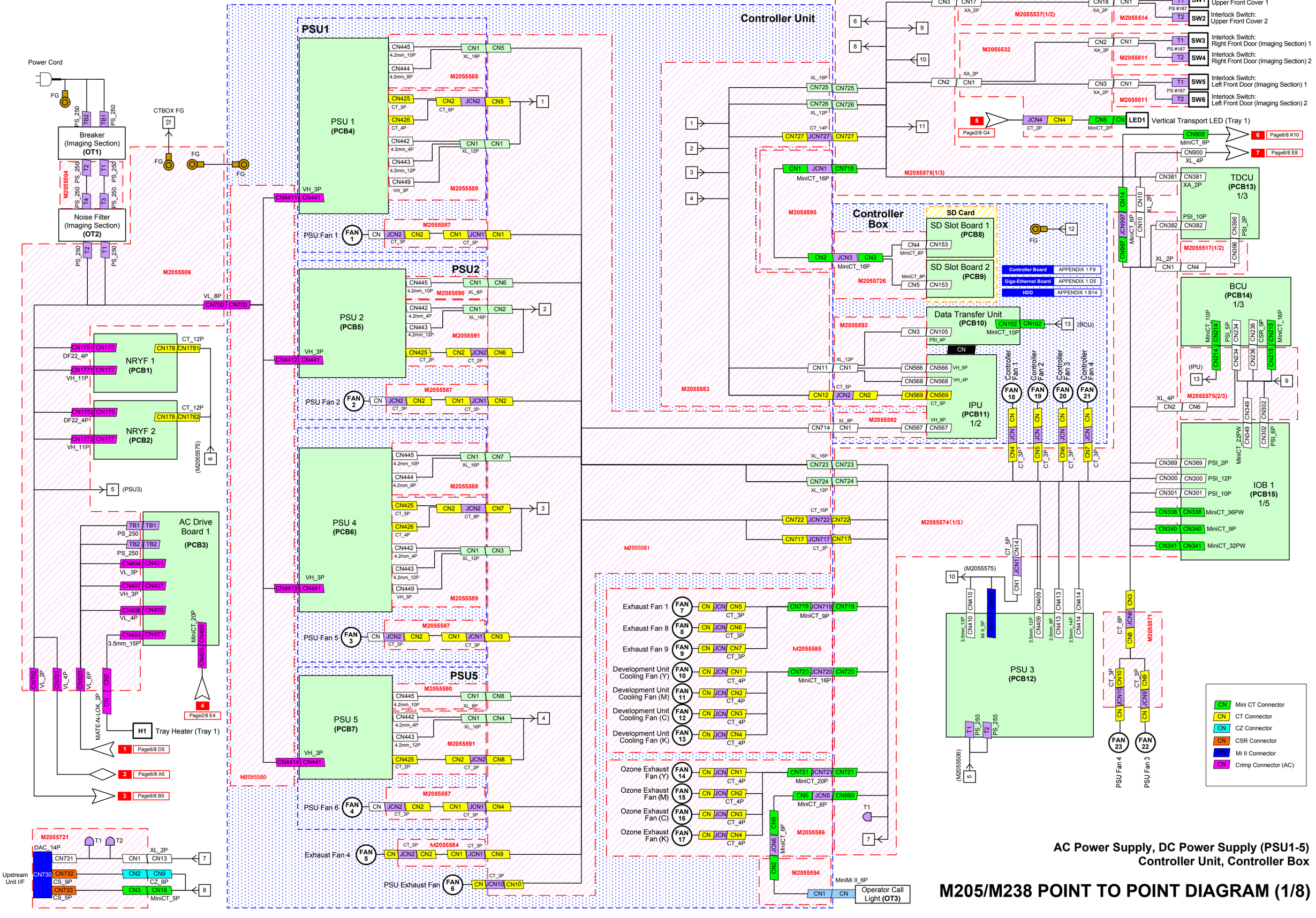
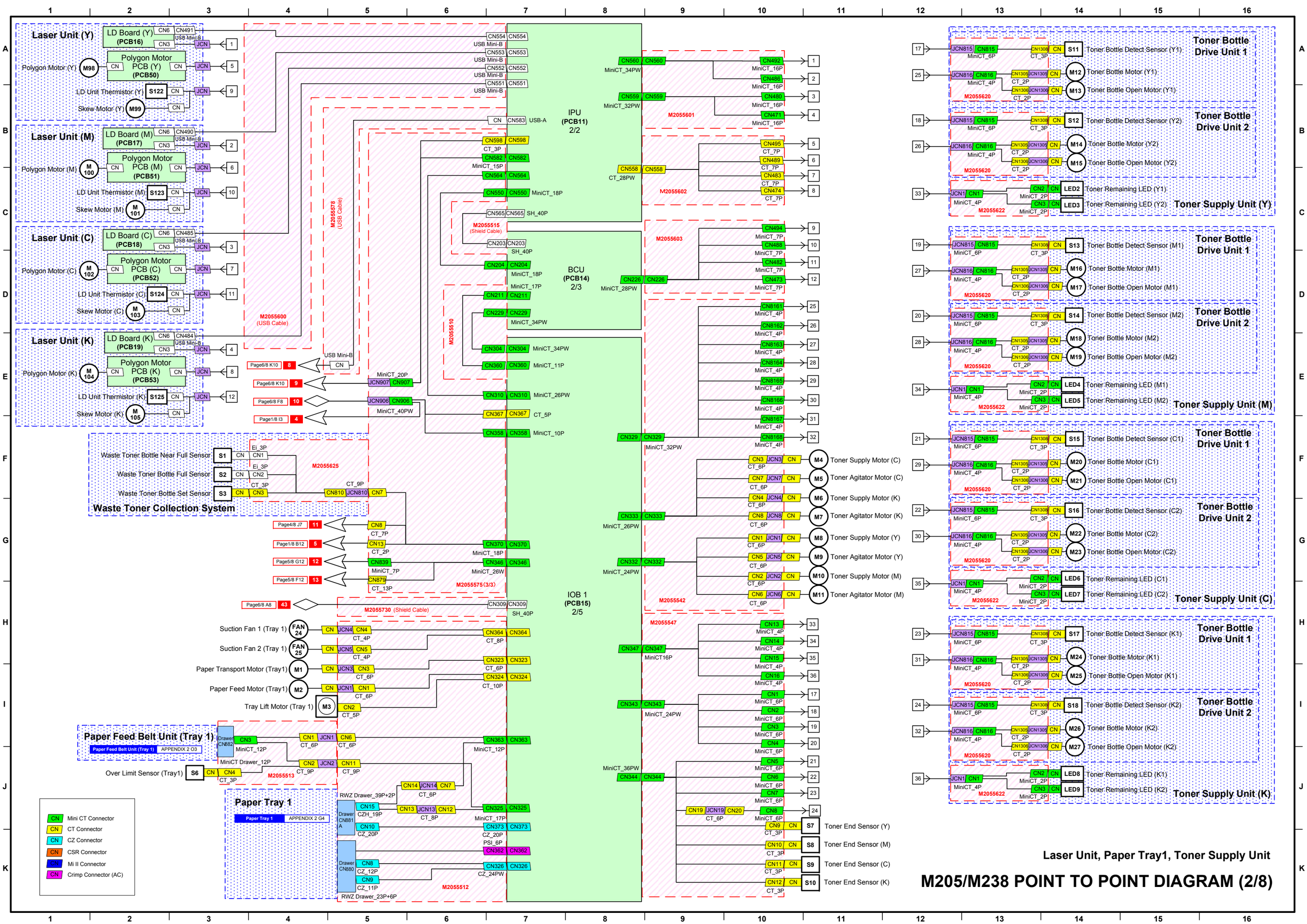
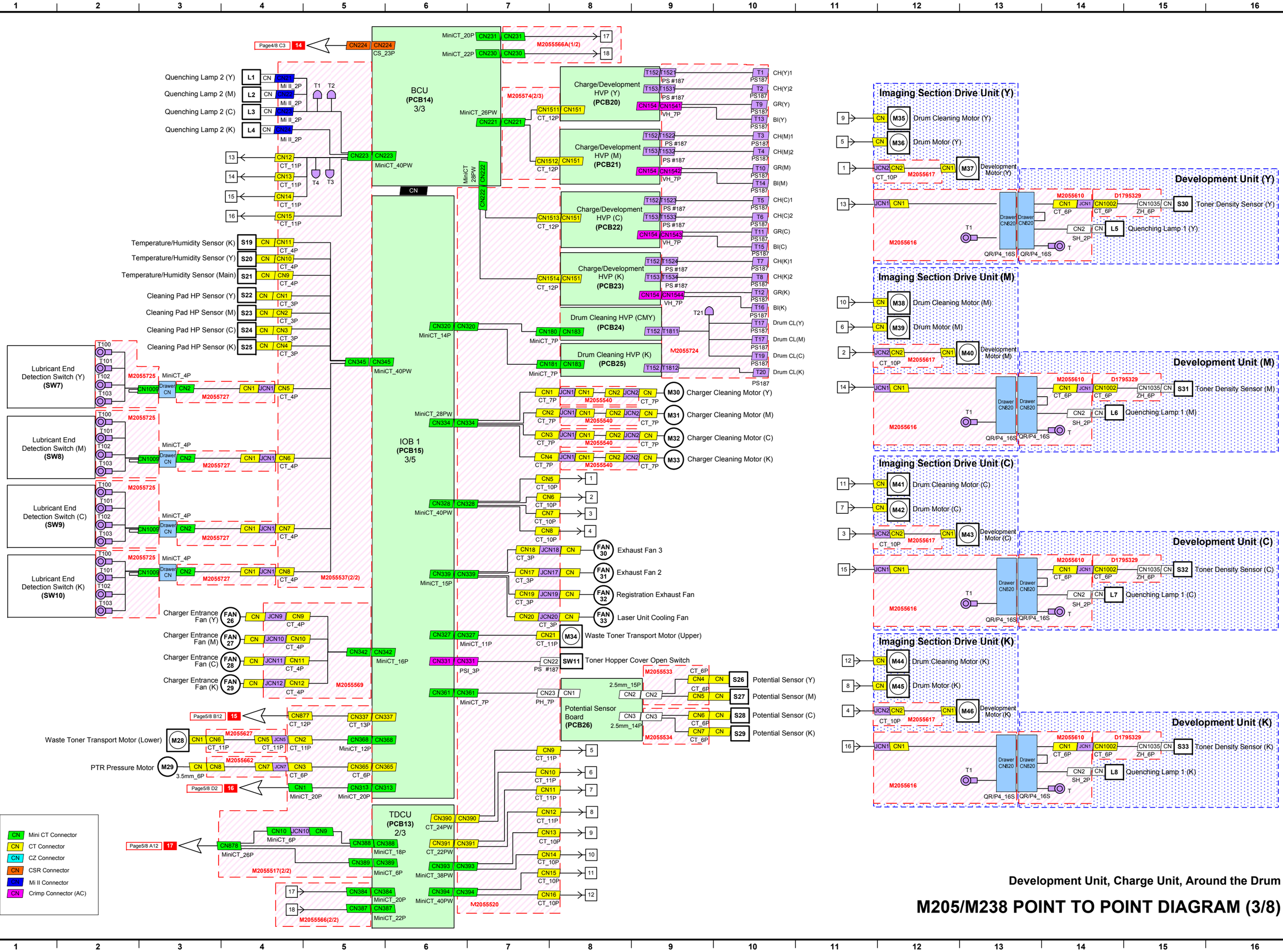
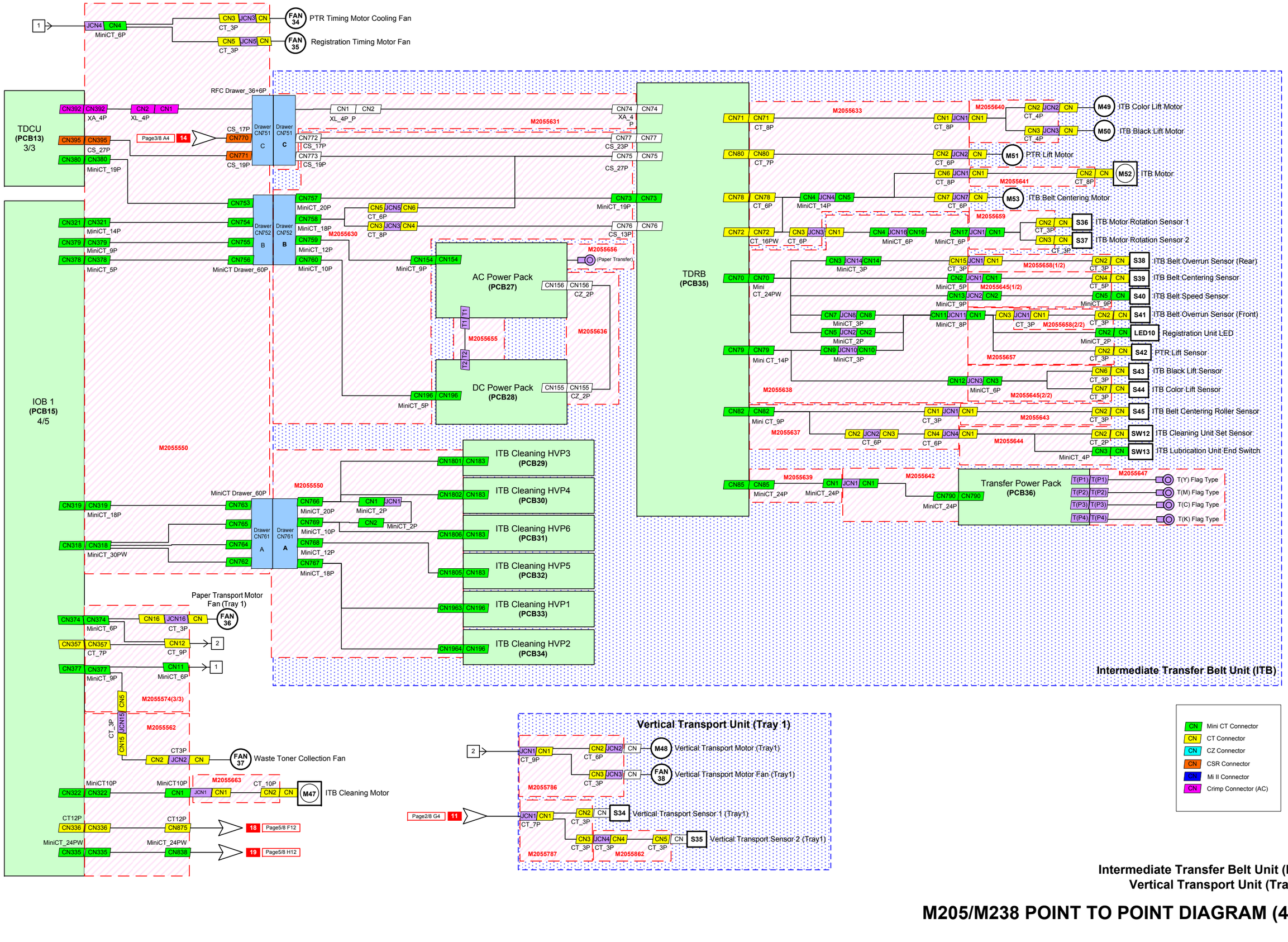

Power Cord
FG
Breaker (Imaging Section) (OT1)
Noise Filter (Imaging Section) (OT2)
M2055504
M2055506
CTBOX FG
PSU1
PSU 1 (PCB4)
PSU2
PSU 2 (PCB5)
PSU 4 (PCB6)
PSU5
PSU 5 (PCB7)
PSU Fan 1
PSU Fan 2
PSU Fan 5
PSU Fan 6
Exhaust Fan 4
PSU Exhaust Fan
M2055588
M2055589
M2055590
M2055591
M2055587
M2055580
NRYF 1 (PCB1)
NRYF 2 (PCB2)
(PSU3)
AC Drive Board 1 (PCB3)
H1 Tray Heater (Tray 1)
Page2/8 E4
Page6/8 D5
Page6/8 A5
Page6/8 B5
M2055721
DAC_14P
Upstream Unit I/F
Controller Unit
M2055537(1/2)
M2055514
M2055532
M2055511
Interlock Switch: Upper Front Cover 1
Interlock Switch: Upper Front Cover 2
Interlock Switch: Right Front Door (Imaging Section) 1
Interlock Switch: Right Front Door (Imaging Section) 2
Interlock Switch: Left Front Door (Imaging Section) 1
Interlock Switch: Left Front Door (Imaging Section) 2
LED1 Vertical Transport LED (Tray 1)
Page2/8 G4
Page6/8 K10
Page6/8 E8
M2055575(1/3)
M2055595
Controller Box
SD Card
SD Slot Board 1 (PCB8)
SD Slot Board 2 (PCB9)
Controller Board APPENDIX 1 F9
Giga-Ethernet Board APPENDIX 1 D5
HDD APPENDIX 1 B14
M2055726
M2055593
Data Transfer Unit (PCB10)
M2055583
IPU (PCB11) 1/2
M2055592
M2055581
M2055574(1/3)
Controller Fan 1
Controller Fan 2
Controller Fan 3
Controller Fan 4
FAN 18
FAN 19
FAN 20
FAN 21
TDCU (PCB13) 1/3
M2055517(1/2)
BCU (PCB14) 1/3
M2055575(2/3)
IOB 1 (PCB15) 1/5
PSU 3 (PCB12)
M2055571
M2055585
M2055586
M2055594
Exhaust Fan 1
Exhaust Fan 8
Exhaust Fan 9
Development Unit Cooling Fan (Y)
Development Unit Cooling Fan (M)
Development Unit Cooling Fan (C)
Development Unit Cooling Fan (K)
Ozone Exhaust Fan (Y)
Ozone Exhaust Fan (M)
Ozone Exhaust Fan (C)
Ozone Exhaust Fan (K)
Operator Call Light (OT3)
PSU Fan 4
PSU Fan 3
Mini CT Connector
CT Connector
CZ Connector
CSR Connector
Mi II Connector
Crimp Connector (AC)
AC Power Supply, DC Power Supply (PSU1-5)
Controller Unit, Controller Box
M205/M238 POINT TO POINT DIAGRAM (1/8)

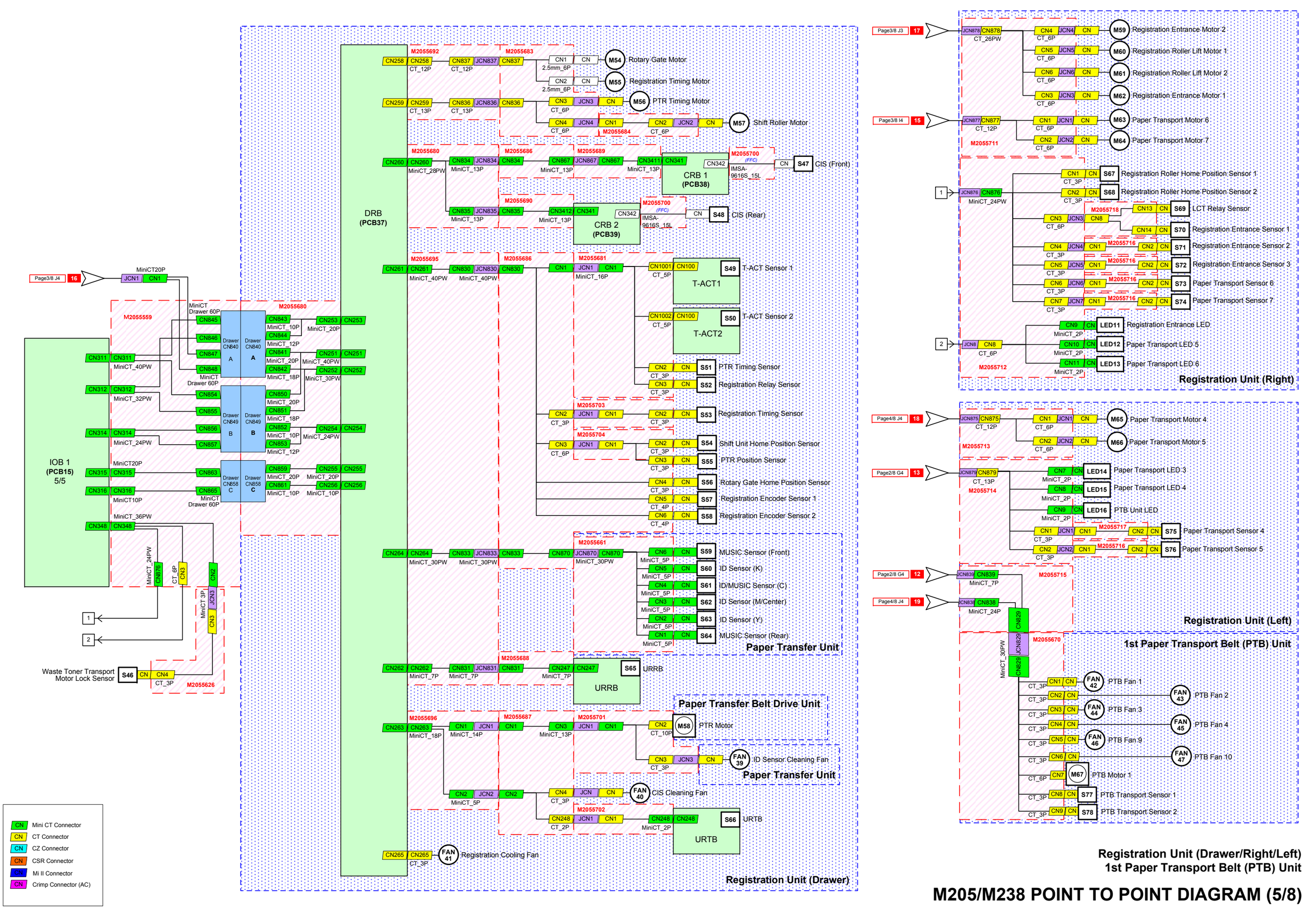

Laser Unit (Y)
LD Board (Y) (PCB16)
Polygon Motor PCB (Y) (PCB50)
Polygon Motor (Y) M98
LD Unit Thermistor (Y) S122
Skew Motor (Y) M99
Laser Unit (M)
LD Board (M) (PCB17)
Polygon Motor PCB (M) (PCB51)
Polygon Motor (M) M100
LD Unit Thermistor (M) S123
Skew Motor (M) M101
Laser Unit (C)
LD Board (C) (PCB18)
Polygon Motor PCB (C) (PCB52)
Polygon Motor (C) M102
LD Unit Thermistor (C) S124
Skew Motor (C) M103
Laser Unit (K)
LD Board (K) (PCB19)
Polygon Motor PCB (K) (PCB53)
Polygon Motor (K) M104
LD Unit Thermistor (K) S125
Skew Motor (K) M105
M2055600 (USB Cable)
M2055578 (USB Cable)
IPU (PCB11) 2/2
BCU (PCB14) 2/3
IOB 1 (PCB15) 2/5
M2055601
M2055602
M2055603
M2055515 (Shield Cable)
M2055510
M2055730 (Shield Cable)
M2055542
M2055547
M2055575 (3/3)
Waste Toner Bottle Near Full Sensor S1
Waste Toner Bottle Full Sensor S2
Waste Toner Bottle Set Sensor S3
Waste Toner Collection System
M2055625
Suction Fan 1 (Tray 1) FAN 24
Suction Fan 2 (Tray 1) FAN 25
Paper Transport Motor (Tray1) M1
Paper Feed Motor (Tray1) M2
Tray Lift Motor (Tray 1) M3
Paper Feed Belt Unit (Tray 1)
Paper Feed Belt Unit (Tray 1) APPENDIX 2 O3
Over Limit Sensor (Tray1) S6
M2055513
Paper Tray 1
Paper Tray 1 APPENDIX 2 G4
M2055512
RWZ Drawer_39P+2P
RWZ Drawer_23P+6P
Mini CT Connector
CT Connector
CZ Connector
CSR Connector
Mi II Connector
Crimp Connector (AC)
Toner Bottle Drive Unit 1
Toner Bottle Drive Unit 2
Toner Supply Unit (Y)
Toner Supply Unit (M)
Toner Supply Unit (C)
Toner Supply Unit (K)
Toner Bottle Detect Sensor (Y1)
Toner Bottle Motor (Y1) M12
Toner Bottle Open Motor (Y1) M13
Toner Bottle Detect Sensor (Y2)
Toner Bottle Motor (Y2) M14
Toner Bottle Open Motor (Y2) M15
Toner Remaining LED (Y1) LED2
Toner Remaining LED (Y2) LED3
Toner Bottle Detect Sensor (M1)
Toner Bottle Motor (M1) M16
Toner Bottle Open Motor (M1) M17
Toner Bottle Detect Sensor (M2)
Toner Bottle Motor (M2) M18
Toner Bottle Open Motor (M2) M19
Toner Remaining LED (M1) LED4
Toner Remaining LED (M2) LED5
Toner Bottle Detect Sensor (C1)
Toner Bottle Motor (C1) M20
Toner Bottle Open Motor (C1) M21
Toner Bottle Detect Sensor (C2)
Toner Bottle Motor (C2) M22
Toner Bottle Open Motor (C2) M23
Toner Remaining LED (C1) LED6
Toner Remaining LED (C2) LED7
Toner Bottle Detect Sensor (K1)
Toner Bottle Motor (K1) M24
Toner Bottle Open Motor (K1) M25
Toner Bottle Detect Sensor (K2)
Toner Bottle Motor (K2) M26
Toner Bottle Open Motor (K2) M27
Toner Remaining LED (K1) LED8
Toner Remaining LED (K2) LED9
Toner Supply Motor (C) M4
Toner Agitator Motor (C) M5
Toner Supply Motor (K) M6
Toner Agitator Motor (K) M7
Toner Supply Motor (Y) M8
Toner Agitator Motor (Y) M9
Toner Supply Motor (M) M10
Toner Agitator Motor (M) M11
Toner End Sensor (Y) S7
Toner End Sensor (M) S8
Toner End Sensor (C) S9
Toner End Sensor (K) S10
Laser Unit, Paper Tray1, Toner Supply Unit
M205/M238 POINT TO POINT DIAGRAM (2/8)


BCU (PCB14) 3/3
IOB 1 (PCB15) 3/5
TDCU (PCB13) 2/3
CN
Quenching Lamp 2 (Y)
Quenching Lamp 2 (M)
Quenching Lamp 2 (C)
Quenching Lamp 2 (K)
Temperature/Humidity Sensor (K)
Temperature/Humidity Sensor (Y)
Temperature/Humidity Sensor (Main)
Cleaning Pad HP Sensor (Y)
Cleaning Pad HP Sensor (M)
Cleaning Pad HP Sensor (C)
Cleaning Pad HP Sensor (K)
Lubricant End Detection Switch (Y) (SW7)
Lubricant End Detection Switch (M) (SW8)
Lubricant End Detection Switch (C) (SW9)
Lubricant End Detection Switch (K) (SW10)
Charger Entrance Fan (Y)
Charger Entrance Fan (M)
Charger Entrance Fan (C)
Charger Entrance Fan (K)
Waste Toner Transport Motor (Lower)
PTR Pressure Motor
Charge/Development HVP (Y) (PCB20)
Charge/Development HVP (M) (PCB21)
Charge/Development HVP (C) (PCB22)
Charge/Development HVP (K) (PCB23)
Drum Cleaning HVP (CMY) (PCB24)
Drum Cleaning HVP (K) (PCB25)
Potential Sensor Board (PCB26)
Charger Cleaning Motor (Y)
Charger Cleaning Motor (M)
Charger Cleaning Motor (C)
Charger Cleaning Motor (K)
Exhaust Fan 3
Exhaust Fan 2
Registration Exhaust Fan
Laser Unit Cooling Fan
Waste Toner Transport Motor (Upper)
Toner Hopper Cover Open Switch
Potential Sensor (Y)
Potential Sensor (M)
Potential Sensor (C)
Potential Sensor (K)
Imaging Section Drive Unit (Y)
Drum Cleaning Motor (Y)
Drum Motor (Y)
Development Motor (Y)
Development Unit (Y)
Toner Density Sensor (Y)
Quenching Lamp 1 (Y)
Imaging Section Drive Unit (M)
Drum Cleaning Motor (M)
Drum Motor (M)
Development Motor (M)
Development Unit (M)
Toner Density Sensor (M)
Quenching Lamp 1 (M)
Imaging Section Drive Unit (C)
Drum Cleaning Motor (C)
Drum Motor (C)
Development Motor (C)
Development Unit (C)
Toner Density Sensor (C)
Quenching Lamp 1 (C)
Imaging Section Drive Unit (K)
Drum Cleaning Motor (K)
Drum Motor (K)
Development Motor (K)
Development Unit (K)
Toner Density Sensor (K)
Quenching Lamp 1 (K)
Mini CT Connector
CT Connector
CZ Connector
CSR Connector
Mi II Connector
Crimp Connector (AC)
Development Unit, Charge Unit, Around the Drum
M205/M238 POINT TO POINT DIAGRAM (3/8)



Intermediate Transfer Belt Unit (ITB)
Vertical Transport Unit (Tray 1)

M205/M238 POINT TO POINT DIAGRAM (4/8)



M205/M238 POINT TO POINT DIAGRAM (5/8)

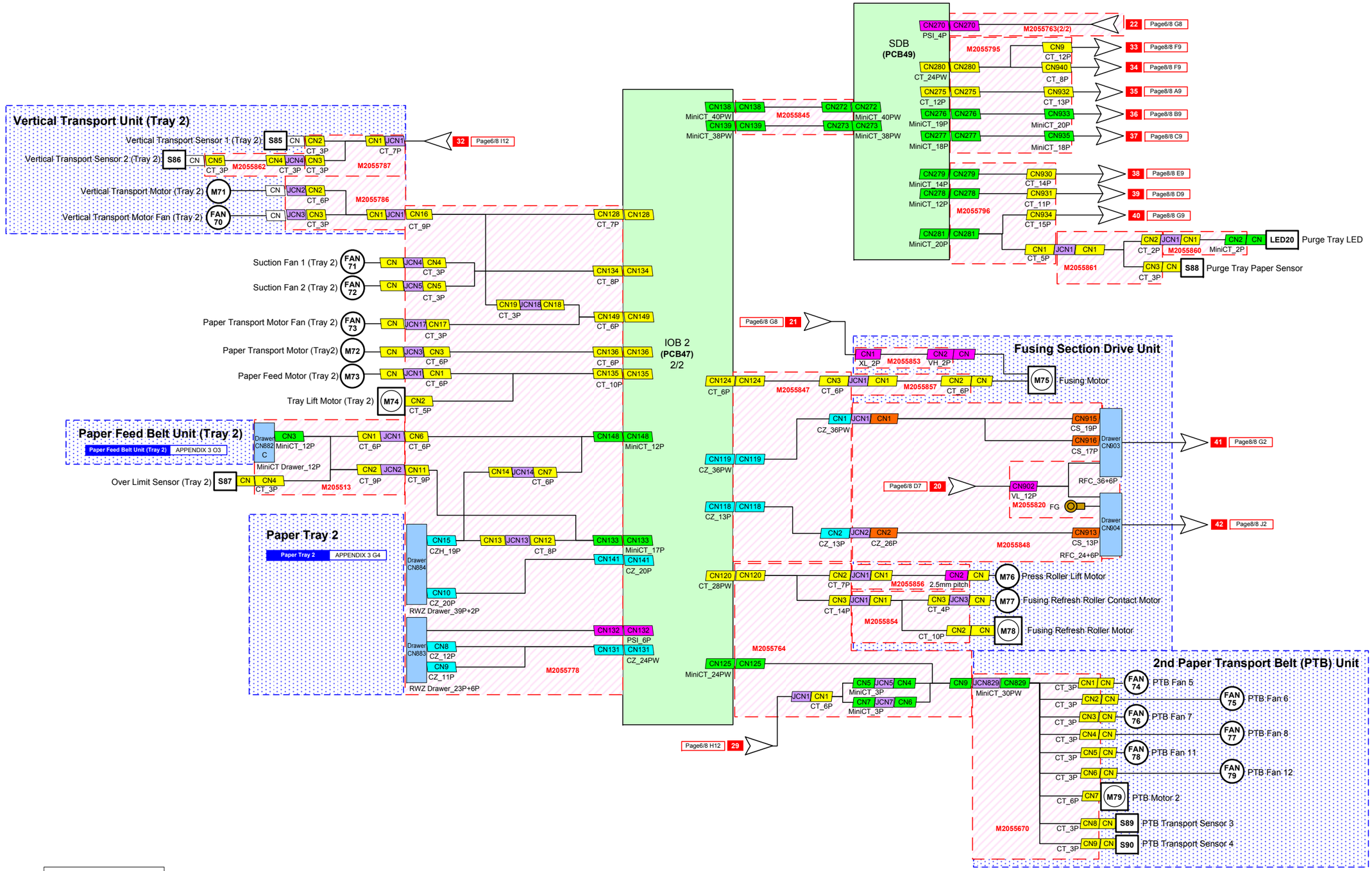
CN Mini CT Connector
CN CT Connector
CN CZ Connector
CN CSR Connector
CN Mi II Connector
CN Crimp Connector (AC)

AC Power Switch (SW14)
T1 PS_250
T2 PS_250
T3 PS_250
T4 PS_250
CN701 VL_4P
Page1/8 J2 2
Page1/8 J2 3
CN702 VL_2P
3 CN1 CN3 VL_8P
M2055761(1/5)
M2055760
M2055756
NRYF 3 (PCB44)
NRYF 4 (PCB45)
CN925 CN925 VL_3P
CN922 CN922 XL_8P
CN175 CN175 DF22_4P
CN177 CN177 VH_11P
CN1754 CN1754 DF22_4P
CN1774 CN1774 VH_11P
CN178 CN1783 CT_12P
CN178 CN1784 CT_12P
AC Drive Board 2 (PCB46)
CN404 CN404 VL_3P
CN407 CN407 VH_3P
CN406 CN406 VL_3P
CN923 CN923 VL_8P
M2055757
CN921 CN921 VL_2P
M2055755
CN924 CN924 XL_4P
M2055759
CN403 CN403 3.5mm_15P
CN2 CN H2 MATE-N-LOK_2P
Tray Heater (Tray2)
Page1/8 J2 1
CN905 VL_6P
CN902 VL_12P
20 Page7/8 F11
CN405 CN405 MiniCT_40PW
Page2/8 H4 43
M2055730
CN110 CN110 SH_40P
CN145 CN145 MiniCT_5P
CN111 CN111 MiniCT_10P
CN116 CN116 PSI_6P
CN143 CN143 CT_15P
CN144 CN144 MiniCT_40PW
IOB 2 (PCB47) 1/2
5 CN7426 CN7426 CT_8P
4 CN7416 CN7416 XL_12P
9 CN7467 CN7467 CT Crimp Connector_2P
8 CN7457 CN7457 XL_16P
13 CN7428 CN7428 CT Crimp Connector_8P
14 CN7418 CN7418 XL_12P
17 CN7469 CN7469 CT Crimp Connector_2P
16 CN7459 CN7459
Power Cord
FG
TB1 TB2 PS_250
Breaker (Fusing Section) (OT4)
Noise Filter (Fusing Section) (OT5)
T1 T2 T3 T4
M2055753
M2055754
CN1 CN1 VL_4P
Interlock Switch: Right Front Door (Fusing Section) SW15 T1 PS_2P M2055849 CN1 CN2 XA_2P
Interlock Switch: Left Front Door (Fusing Section) SW16 T1 PS_2P M2055849 CN1 CN3 XA_2P
Vertical Transport LED (Tray 2) LED17 CN CN5 MiniCT_2P CN4 JCN4 CT_2P
M2055532
30
Page1/8 C16 7
CN1 CN9 XA_2P
CN900 XL_4P
CN906 MiniCT_40PW
Page2/8 E4 10
21 CN13 XL_2P
M2055762
Downstream Unit I/F
CN961 (Signal) CN962 CSR_9P CN963 CSR_5P (AC)
CN147 CN147 CZ_9P
CN103 CN103 CZ_5P
T1 T2
21 CN13 XL_2P
Page7/8 E9 21 CN4 XL_2P
Page7/8 B13 22 CN271 PSI_4P
6 CN7406 CN7406 XL_16P
7 CN7 CN7 CT_3P
10 CN7447 CN7447 XL_8P
11 CN8 CN8 CT_3P
14 CN7408 CN7408 XL_16P
15 CN9 CN9 CT_3P
18 CN7449 CN7449 XL_8P
19 CN10 CN10 CT_3P
CN142 CN142 MiniCT_16P
CN117 CN117 PSI_12P
CN105 CN105 PSI_4P
CN127 CN127 MiniCT_24PW
Exhaust Fan 5 FAN 52 CN JCN CN1 CT_3P
Exhaust Fan 6 FAN 53 CN JCN CN2 CT_3P
Exhaust Fan 7 FAN 54 CN JCN CN3 CT_3P
Paper Exit Inverter Motor Fan FAN 55 CN JCN11 CN11 CT_3P
De-curler Motor Cooling Fan FAN 56 CN JCN12 CN12 CT_3P
Anti-condensation Fan FAN 57 CN JCN2 CN2
Pressure Roller Exhaust Fan FAN 58 CN JCN4 CN4
JCN1 CN5 CT_12P
M2055763
M2055776
Page2/8 E4 9
Page1/8 B16 6
Page2/8 E4 8
CN122 CN122 MiniCT_28PW
CN946 MiniCT_20P
CN947 MiniCT_18P
22 23
Drawer CN945 Drawer CN945
MiniCT Drawer_60P
CN496 MiniCT_20P
CN947 MiniCT_18P
CN948 MiniCT_12P
CN949 MiniCT_10P
CN3 JCN3 CN CT_3P FAN 59 Pressure Roller Intake Fan 1
CN4 JCN4 CN CT_3P FAN 60 Pressure Roller Intake Fan 2
CN5 JCN5 CN CT_3P FAN 61 Pressure Roller Intake Fan 3
CN10 JCN10 CN11 CT_2P
CN2 JCN2 CN CT_5P M68 Fusing Web Motor
CN6 JCN6 CN CT_4P M69 Cleaning Web Contact Motor
CN7 JCN1 CN8 CT_8P
CN2 CN CT_4P S79 Pressure Roller Thermopile (Center)
CN3 CN CT_4P S80 Pressure Roller Thermopile (Edge)
M2055843
CN8 CN CT_4P S81 Web End Sensor
M2055842
CN9 CZH_6P Drawer CN954 Drawer CN954 RIZ_6P CN1 CZH_6P
CN3 CN CT_3P S82 Cleaning Web Contact Sensor
CN2 CN CT_3P S83 Fusing Cleaning Unit Set Sensor
M2055844
Fuser Unit
CN108 CN108 CT_10P
CN2 CN CT_10P M70 Paper Cooling Belt Motor
CN137 CN137 XA_3P
CN7 JCN1 CN1 CT_3P
M2055813
CN2 CN XL_4P OT6 Paper Coolant Pump
CN109 CN109 MiniCT_32PW
CN6 JCN1 CN1 MiniCT_32PW
CN2 JCN2 CN CT_4P FAN 62 Paper Cooling Belt Fan 1
CN3 JCN3 CN CT_4P FAN 63 Paper Cooling Belt Fan 2
CN4 JCN4 CN CT_4P FAN 64 Paper Cooling Belt Fan 3
CN5 JCN5 CN CT_4P FAN 65 Paper Cooling Belt Fan 4
CN6 JCN6 CN CT_4P FAN 66 Paper Cooling Belt Fan 5
CN7 JCN7 CN CT_4P FAN 67 Paper Cooling Belt Fan 6
CN8 JCN8 CN CT_4P FAN 68 Paper Cooling Belt Fan 7
CN9 JCN9 CN CT_4P FAN 69 Paper Cooling Belt Fan 8
CN130 CN130 CT_12P
CN1 CT_12P 23 Page8/8 E2
CN129 CN129 CT_24PW
CN5 MiniCT_18P 24 Page8/8 I9
CN146 CN146 MiniCT_10P
CN3 CT_5P 25 Page8/8 B2
CN4 CT_5P 26 Page8/8 C2
M2055768
M2055815
CN15 JCN1 CN1 CT_2P
M2055814
CN2 CT_4P SW17 Paper Cooling Remain Switch 1
SW18 Paper Cooling Remain Switch 2
Radiator Unit
CN107 CN107 MiniCT_28PW
CN13 CT_12P 27 Page8/8 B2
CN12 CT_15P 28 Page8/8 C2
CN121 CN121 MiniCT_18P
CN941 MiniCT_12P 22
CN942 MiniCT_10P 23
CN2 CT_6P 29 Page7/8 I9
CN126 CN126 MiniCT_40PW
CN11 CT_8P 30 Page8/8 D2
CN14 CT_9P 31 Page8/8 I9
CN16 CT_2P 30
CN17 CT_7P 32 Page7/8 C6
CN4 JCN1 CN1 CT_4P
M2055841
CN2 CN CT_4P S84 Heating Roller Thermopile
CN19 JCN20 CN20 CT_2P
CN3 CN2 LED18 MiniCT_2P Fusing Entrance LED
CN18 JCN1 CN1 CT_2P
M2055837
CN2 CN MiniCT_2P LED19 Fusing Unit LED
CN106 CN106 CT_2P
CN1 JCN1 CN1 CT_2P
M2055835
CN2 CT_2P SW19 Main Power Switch (Push Switch)
M2055840
Operation Panel
CN5 MiniCT_20PW
CN9 MiniCT_6P
CN
USB Mini-B
D1945286 (USB Cable)
CN6 JCN6 CN5 MiniCT_20PW
CN10 JCN10 CN9 MiniCT_6P
CN CN USB Mini-B
D1945289 (USB Cable)
CN CN MiniMi II_20P
CN CN MiniMi II_6P
CN CN USB Mini-B
LCDC (PCB48)
M2055815
M2055768
M2055814
M2055813
M2055841
M2055837
M2055835
M2055840
M2055843
M2055842
M2055844

PSU6
PSU 6 (PCB40)
CN445 CN445 4.2mm_10P
CN444 CN444 4.2mm_8P
CN425 CN425 CT_5P
CN426 CN426 CT_4P
CN442 CN442 4.2mm_4P
CN443 CN443 4.2mm_12P
CN449 CN449 VH_3P
CN1 XL_16P
CN2 JCN2 CT_8P
CN1 XL_12P
M2055589
CN441 CN2 VH_3P M2055761(2/5) 3
6
5
4
PSU Fan 7 FAN 48 CN JCN2 CN2 CT_3P M2055587 CN1 JCN1 CT_3P 7
PSU7
PSU 7 (PCB41)
CN445 CN445 4.2mm_10P
CN442 CN442 4.2mm_4P
CN443 CN443 4.2mm_12P
CN425 CN425 CT_2P
CN441 CN3 VH_3P
M2055590
CN1 XL_8P
CN1 XL_16P
M2055591
CN2 JCN2 CT_2P
M2055761(3/5) 3
10
8
9
PSU Fan 8 FAN 49 CN JCN2 CN2 CT_3P M2055587 CN1 JCN1 CT_3P 11
PSU8
PSU 8 (PCB42)
CN445 CN445 4.2mm_10P
CN444 CN444 4.2mm_8P
CN425 CN425 CT_5P
CN426 CN426 CT_4P
CN442 CN442 4.2mm_4P
CN443 CN443 4.2mm_12P
CN449 CN449 VH_3P
CN1 XL_16P
CN2 JCN2 CT_8P
CN1 XL_12P
M2055589
CN441 CN4 VH_3P M2055761(4/5) 3
14
13
12
PSU Fan 9 FAN 50 CN JCN2 CN2 CT_3P M2055587 CN1 JCN1 CT_3P 15
PSU9
PSU 9 (PCB43)
CN445 CN445 4.2mm_10P
CN442 CN442 4.2mm_4P
CN443 CN443 4.2mm_12P
CN425 CN425 CT_2P
CN441 CN5 VH_3P
M2055590
CN1 XL_8P
CN1 XL_16P
M2055591
CN2 JCN2 CT_2P
M2055761(5/5) 3
M2055587
18
16
17
PSU Fan 10 FAN 51 CN JCN2 CN2 CT_3P CN1 JCN1 CT_3P 19

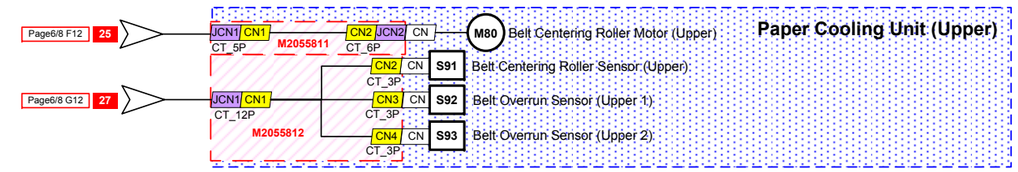
AC Power Supply, DC Power Supply (PSU6-9), Fuser Unit

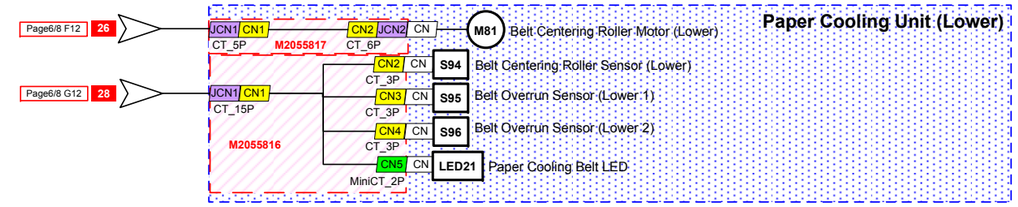
M205/M238 POINT TO POINT DIAGRAM (6/8)

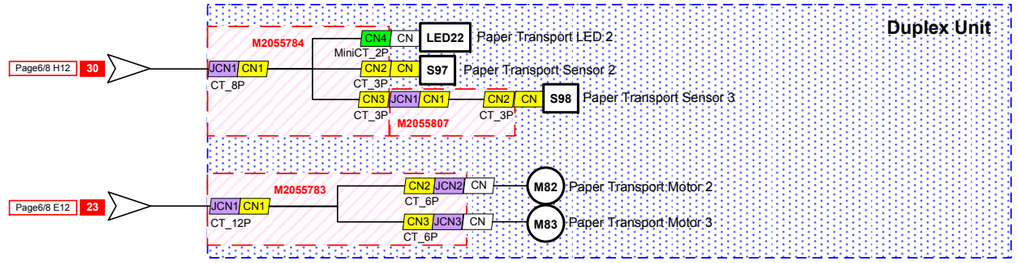


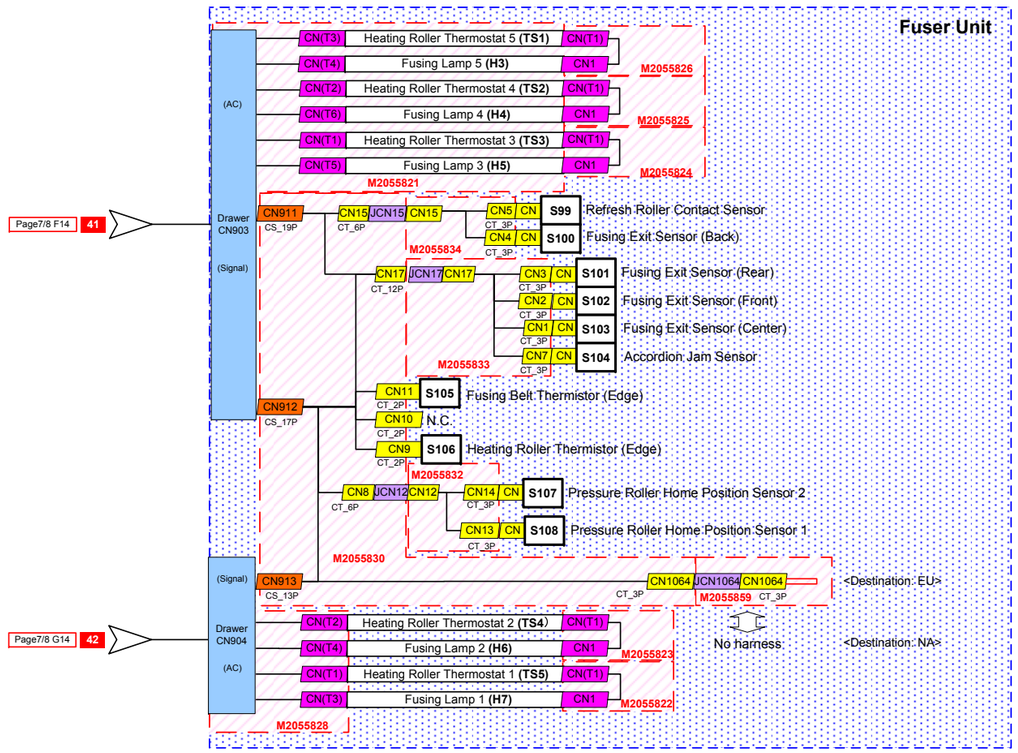
Paper Tray 2, Vertical Transport Unit (Tray 2)
2nd Paper Transport Belt (PTB) Unit, Fusing Section Drive Unit

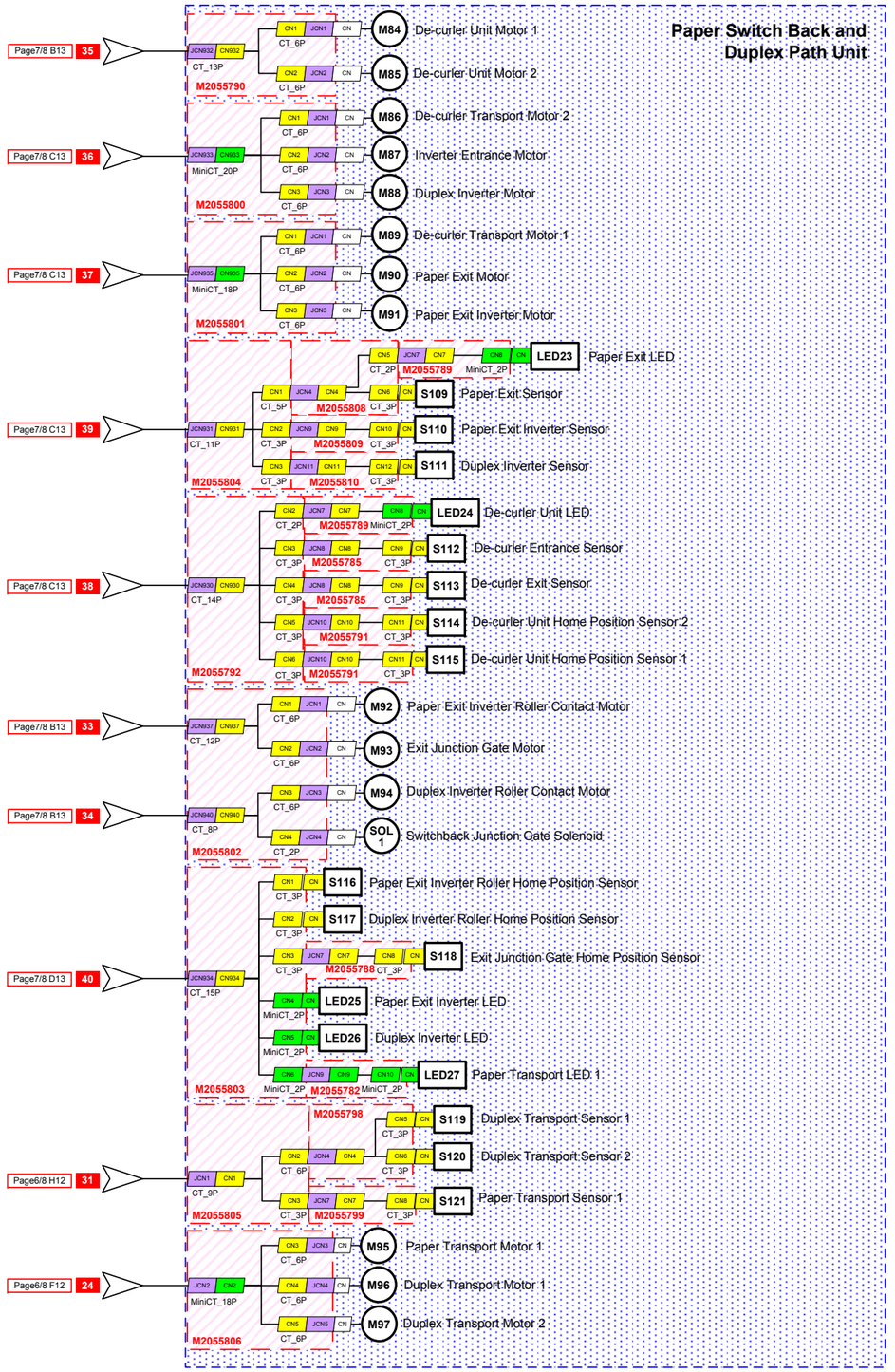
M205/M238 POINT TO POINT DIAGRAM (7/8)





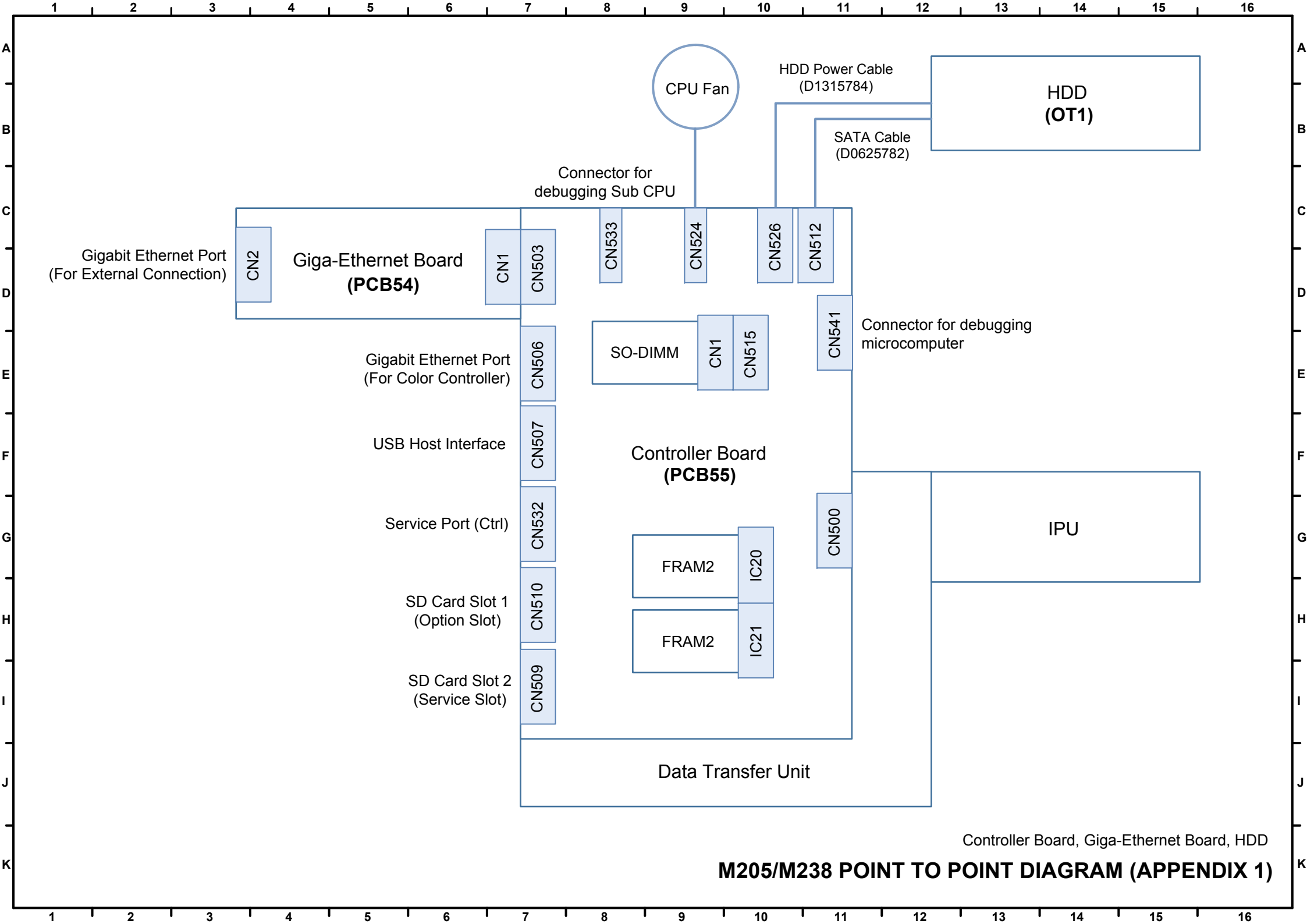






Paper Switch Back and Duplex Path Unit, Duplex Unit
Fuser Unit, Paper Cooling Unit

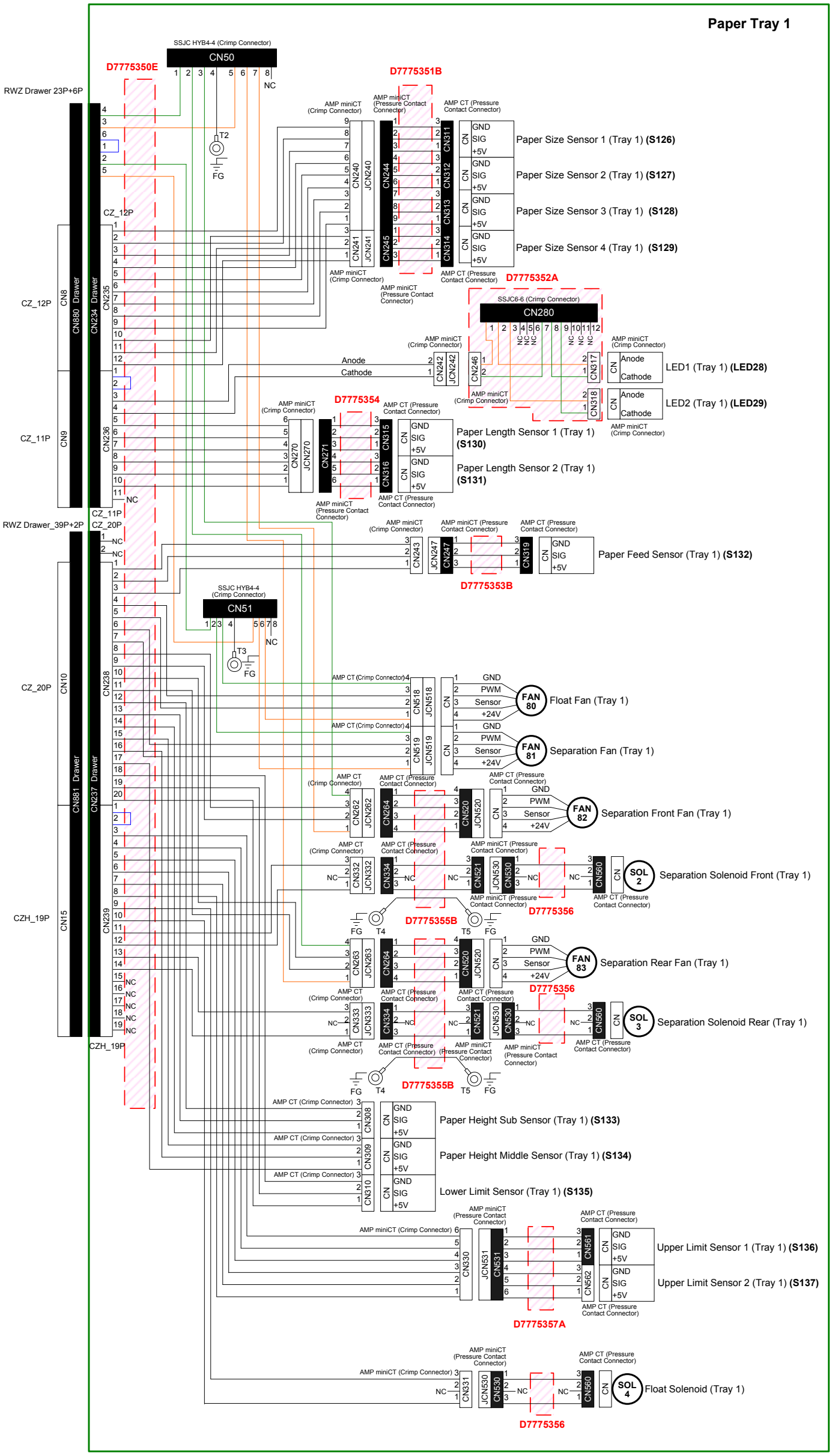
M205/M238 POINT TO POINT DIAGRAM (8/8)



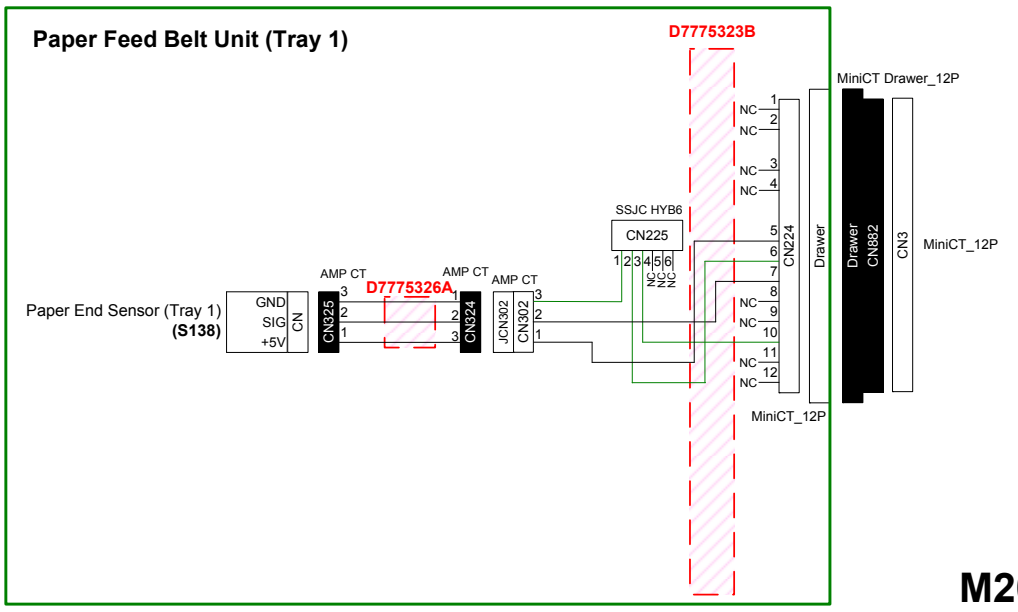
Controller Board, Giga-Ethernet Board, HDD

M205/M238 POINT TO POINT DIAGRAM (APPENDIX 1)

Paper Tray 1



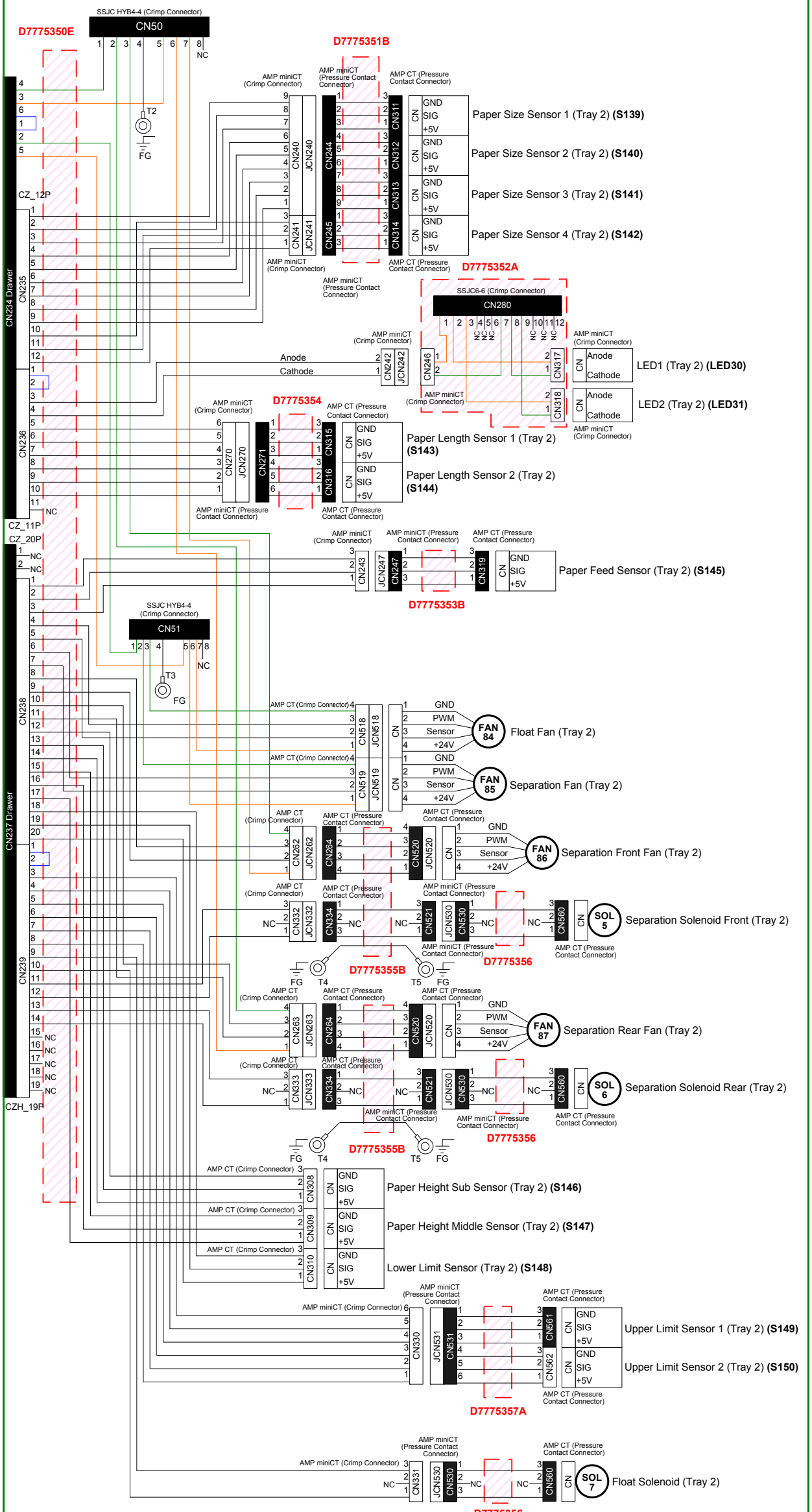
Paper Feed Belt Unit (Tray 1)



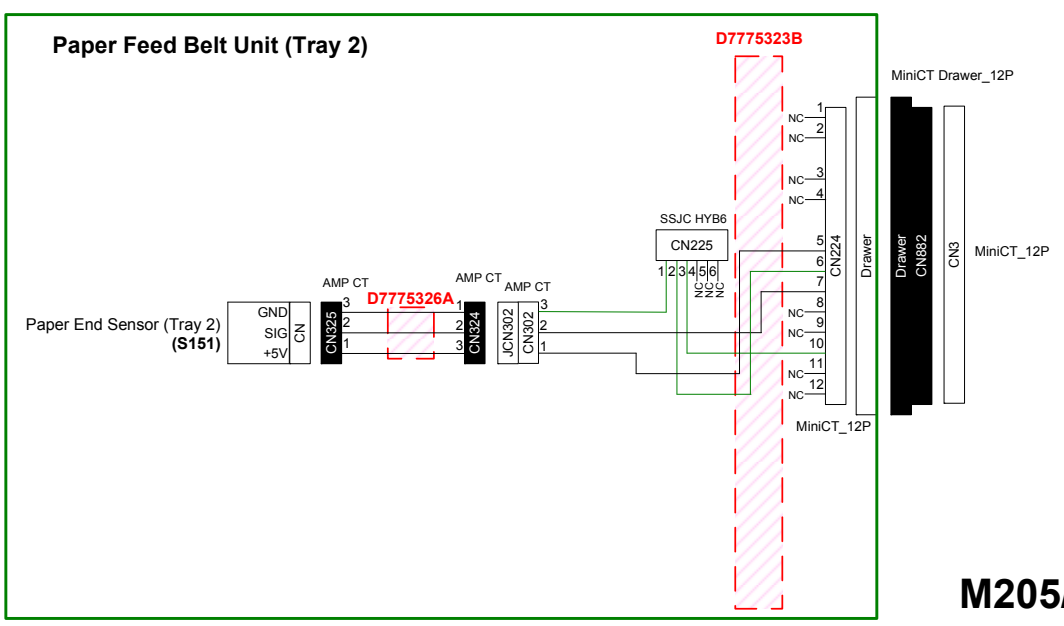
Paper Tray 1, Paper Feed Belt Unit (Tray 1)

M205/M238 POINT TO POINT DIAGRAM (APPENDIX 2)

Paper Tray 2



Paper Feed Belt Unit (Tray 2)



Paper Tray 2, Paper Feed Belt Unit (Tray 2)

M205/M238 POINT TO POINT DIAGRAM (APPENDIX 3)

IOB1 Pin Assign Information

Connector		Signal Information			
No.	Pin No.	Signal Name	Direction	H	L
CN300	1	+24V_PSU5	P	-	-
	2	+24V_PSU5	P	-	-
	3	+24V_PSU5	P	-	-
	4	+24V_PSU2	P	-	-
	5	+24V_PSU2	P	-	-
	6	+24V_PSU3	P	-	-
	7	GND	G	-	-
	8	GND	G	-	-
	9	GND	G	-	-
	10	GND	G	-	-
	11	GND	G	-	-
	12	+24V_PSU3	P	-	-
CN301	1	+24V_PSU3B	P	-	-
	2	+24V_PSU3B	P	-	-
	3	+24V_PSU3A	P	-	-
	4	+24VS_PSU1	P	-	-
	5	+24VS_PSU1	P	-	-
	6	GND	G	-	-
	7	GND	G	-	-
	8	GND	G	-	-
	9	GND	G	-	-
	10	GND	G	-	-
CN302	1	5V	P	-	-
	2	GND	G	-	-
	3	+5VS	P	Front Doors (Imaging Section), Toner Supply Front Cover: Close	Front Doors (Imaging Section), Toner Supply Front Cover: Open
	4	IL_PSU1_4	N	-	-
	5	IL_PSU1_4	O	Front Doors (Imaging/Fusing Section), Toner Supply Front Cover: Close	Front Doors (Imaging/Fusing Section), Toner Supply Front Cover: Open
	6	IL_PSU1_4	O	Front Doors (Imaging/Fusing Section), Toner Supply Front Cover: Close	Front Doors (Imaging/Fusing Section), Toner Supply Front Cover: Open
CN303	1	M_IOB_WAKE_N	O	-	-
	2	GND	G	-	-
	3	TP_AN1	O	-	-
	4	TP_AN3	O	-	-
	5	TP_AN5	O	-	-
	6	TP_AN7	O	-	-
	7	M_VODKA_INT2_P	O	-	-
	8	M_IOBRDWR_N	I	-	-
	9	M_IOBWS_N	I	-	-
	10	M_VODKA_CS3_N	I	-	-
	11	M_IOBFPGA_CONFCS_N	I	-	-
	12	M_IOB_DATA(30)	B	-	-
	13	M_IOB_DATA(28)	B	-	-
	14	M_IOB_DATA(26)	B	-	-
	15	M_IOB_DATA(24)	B	-	-
	16	M_IOB_AD(20)	I	-	-
	17	M_IOB_AD(18)	I	-	-
	18	M_IOB_AD(16)	I	-	-
	19	M_IOB_AD(14)	I	-	-
	20	M_IOB_AD(12)	I	-	-
	21	M_IOB_AD(10)	I	-	-
	22	M_IOB_AD(8)	I	-	-
	23	M_IOB_AD(6)	I	-	-
	24	M_IOB_AD(4)	I	-	-
	25	M_IOB_AD(2)	I	-	-
	26	M_IOB_AD(0)	I	-	-
	27	S_ALE_N	I	-	-
	28	S_VODKA_INT2_P	O	-	-
	29	S_VODKA_CS4_N	I	-	-
	30	S_VODKA_CS2_N	I	-	-
	31	S_IOBWS_N	I	-	-
	32	S_IOB_DATA(30)	B	-	-
	33	S_IOB_DATA(28)	B	-	-
	34	S_IOB_DATA(26)	B	-	-
	35	S_IOB_DATA(24)	B	-	-
	36	GND	G	-	-
	37	S_IOB_AD(20)	I	-	-
	38	S_IOB_AD(18)	I	-	-
	39	S_IOB_AD(16)	I	-	-
	40	S_IOB_AD(14)	I	-	-
	41	S_IOB_AD(12)	I	-	-
	42	S_IOB_AD(10)	I	-	-
	43	S_IOB_AD(8)	I	-	-
	44	S_IOB_AD(6)	I	-	-
	45	S_IOB_AD(4)	I	-	-
	46	S_IOB_AD(2)	I	-	-
	47	S_IOB_AD(0)	I	-	-
	48	GND	G	-	-
	49	IOB1_MASK_SAFE	O	-	-
	50	S_IOB_RST	I	Reset On	Reset Off
	51	M_IOB_RST	I	Reset On	Reset Off
	52	GND	G	-	-
	53	TP_AN0	O	-	-
	54	TP_AN2	O	-	-
	55	TP_AN4	O	-	-
	56	TP_AN6	O	-	-
	57	M_VODKA_INT3_P	O	-	-
	58	M_IOBRD_N	I	-	-
	59	M_VODKA_CS2_N	I	-	-
	60	M_IOBFPGA_CS_N	I	-	-
	61	M_IOB_DATA(31)	B	-	-
	62	M_IOB_DATA(29)	B	-	-
	63	M_IOB_DATA(27)	B	-	-
	64	M_IOB_DATA(25)	B	-	-
	65	M_IOB_AD(21)	I	-	-
	66	M_IOB_AD(19)	I	-	-
	67	M_IOB_AD(17)	I	-	-
	68	M_IOB_AD(15)	I	-	-
	69	M_IOB_AD(13)	I	-	-
	70	M_IOB_AD(11)	I	-	-
	71	M_IOB_AD(9)	I	-	-
	72	M_IOB_AD(7)	I	-	-
	73	M_IOB_AD(5)	I	-	-
	74	M_IOB_AD(3)	I	-	-
	75	M_IOB_AD(1)	I	-	-
	76	IOB_FPGA_DREQ_N	O	-	-
	77	S_VODKA_INT3_P	O	-	-
	78	S_IOBFPGA_CS_N	I	-	-
	79	S_VODKA_CS3_N	I	-	-
	80	S_IOBRD_N	I	-	-
	81	S_RDWR_N	I	-	-
	82	S_IOB_DATA(31)	B	-	-
	83	S_IOB_DATA(29)	B	-	-
	84	S_IOB_DATA(27)	B	-	-
	85	S_IOB_DATA(25)	B	-	-
	86	GND	G	-	-
	87	S_IOB_AD(21)	I	-	-
	88	S_IOB_AD(19)	I	-	-
	89	S_IOB_AD(17)	I	-	-
	90	S_IOB_AD(15)	I	-	-
	91	S_IOB_AD(13)	I	-	-
	92	S_IOB_AD(11)	I	-	-
	93	S_IOB_AD(9)	I	-	-
	94	S_IOB_AD(7)	I	-	-
	95	S_IOB_AD(5)	I	-	-
	96	S_IOB_AD(3)	I	-	-
	97	S_IOB_AD(1)	I	-	-
	98	GND	G	-	-
	99	N.C.	N	-	-
	100	S_IOB_WAKE_N	O	-	-

IOB1 Pin Assign Information

Connector		Signal Information			
No.	Pin No.	Signal Name	Direction	H	L
CN304	1	GND	G	-	-
	2	CRGTISN	O	No Paper	Paper
	3	CRGTIMT_ER	O	Error	Normal
	4	CRGTIMT_CC	I	-	-
	5	CRGTIMT_CLK	I	-	-
	6	CRGTIMT_EN_N	I	Excitation Off	Excitation On
	7	N.C.	N	-	-
	8	N.C.	N	-	-
	9	N.C.	N	-	-
	10	N.C.	N	-	-
	11	CSU_MT_FLG	O	Error	Normal
	12	CSU_MT_CC	I	-	-
	13	CSU_MT_CCW	I	CW	CCW
	14	CSU_MT_CLK	I	-	-
	15	CSU_MT_EN_N	I	Excitation Off	Excitation On
	16	CRO_MT_CLK	I	-	-
	17	CRO_MT_EN_N	I	Excitation Off	Excitation On
	18	CRO_MT_FLG	O	Error	Normal
	19	CRO_MT_CC2	I	-	-
	20	CRO_MT_CC1	I	-	-
	21	N.C.	N	-	-
	22	CCSCEFNLT	N	-	-
	23	CRGCLFN	N	-	-
	24	N.C.	N	-	-
	25	N.C.	N	-	-
	26	N.C.	N	-	-
	27	N.C.	N	-	-
	28	N.C.	N	-	-
	29	N.C.	N	-	-
	30	N.C.	N	-	-
	31	N.C.	N	-	-
	32	N.C.	N	-	-
	33	CSUHPSN	O	Interrupt	Not Interrupt
	34	CROHPSN	O	Interrupt	Not Interrupt
CN309	1	N.C.	N	-	-
	2	N.C.	N	-	-
	3	S_IOB2_D(24)	B	-	-
	4	S_IOB2_D(25)	B	-	-
	5	S_IOB2_D(26)	B	-	-
	6	S_IOB2_D(27)	B	-	-
	7	S_IOB2_D(28)	B	-	-
	8	S_IOB2_D(29)	B	-	-
	9	S_IOB2_D(30)	B	-	-
	10	S_IOB2_D(31)	B	-	-
	11	S_IOB2_RD_N	O	-	-
	12	S_IOB2_RDWR_N	O	-	-
	13	S_IOB2_VODKA_CS0_N	O	-	-
	14	S_IOB2_VODKA_CS1_N	O	-	-
	15	S_IOB2_VODKA_CS2_N	O	-	-
	16	S_IOB2_VODKA_CS3_N	O	-	-
	17	S_IOB2_WS_N	O	-	-
	18	S_IOB2_A(0)	O	-	-
	19	S_IOB2_A(1)	O	-	-
	20	S_IOB2_A(2)	O	-	-
	21	S_IOB2_A(3)	O	-	-
	22	S_IOB2_A(4)	O	-	-
	23	S_IOB2_A(5)	O	-	-
	24	S_IOB2_A(6)	O	-	-
	25	S_IOB2_A(7)	O	-	-
	26	S_IOB2_A(8)	O	-	-
	27	S_IOB2_A(9)	O	-	-
	28	S_IOB2_A(10)	O	-	-
	29	S_IOB2_A(11)	O	-	-
	30	S_IOB2_A(12)	O	-	-
	31	S_IOB2_A(13)	O	-	-
	32	S_IOB2_A(14)	O	-	-
	33	S_IOB2_A(15)	O	-	-
	34	S_IOB2_A(16)	O	-	-
	35	S_IOB2_A(17)	O	-	-
	36	S_IOB2_A(18)	O	-	-
	37	S_IOB2_A(19)	O	-	-
	38	N.C.	N	-	-
	39	N.C.	N	-	-
	40	GND	G	-	-
CN310	1	IPU_PFGATE_K_N	I	-	-
	2	IPU_PFGATE_Y_N	I	-	-
	3	IPU_PFGATE_M_N	I	-	-
	4	IPU_PFGATE_C_N	I	-	-
	5	GND	G	-	-
	6	SYCS_Y	O	-	-
	7	SYDO_Y	O	-	-
	8	SYDI_Y	I	-	-
	9	CLK_SY_Y	O	-	-
	10	GND	G	-	-
	11	SYCS_M	O	-	-
	12	SYDO_M	O	-	-
	13	SYDI_M	I	-	-
	14	CLK_SY_M	O	-	-
	15	GND	G	-	-
	16	SYCS_C	O	-	-
	17	SYDO_C	O	-	-
	18	SYDI_C	I	-	-
	19	CLK_SY_C	O	-	-
	20	GND	G	-	-
	21	SYCS_K	O	-	-
	22	SYDO_K	O	-	-
	23	SYDI_K	I	-	-
	24	CLK_SY_K	O	-	-
	25	GND	G	-	-
	26	N.C.	N	-	-
CN311	1	GND	G	-	-
	2	GND	G	-	-
	3	GND	G	-	-
	4	GND	G	-	-
	5	GND	G	-	-
	6	GND	G	-	-
	7	GND	G	-	-
	8	CRO_MT_CLK	O	-	-
	9	CRO_MT_EN_N	O	Excitation Off	Excitation On
	10	CRO_MT_CC2	O	-	-
	11	CRO_MT_CC1	O	-	-
	12	CRO_MT_FLG	I	Error	Normal
	13	CRGTIMT_CLK	O	-	-
	14	CRGTIMT_EN_N	O	Excitation Off	Excitation On
	15	CRGTIMT_CC	O	-	-
	16	CRGTIMT_FLG	I	Error	Normal
	17	+5VS_DRB	P	-	-
	18	+5VS_DRB	P	-	-
	19	GND	G	-	-
	20	GND	G	-	-
	21	GND	G	-	-
	22	ZCRB2_CIS_SYNC	O	-	-
	23	ZCRB2_CIS_CLK	O	-	-
	24	ZCRB2_LED1_B_CC	O	-	-
	25	ZCRB2_LED1_G_CC	O	-	-
	26	ZCRB2_LED1_R_CC	O	-	-
	27	GND	G	-	-
	28	GND	G	-	-
	29	GND	G	-	-
	30	ZCRB1_CIS_VOUT2	I	-	-
	31	ZCRB1_CIS_VOUT1	I	-	-
	32	ZCRB1_CIS_VOUT0	I	-	-
	33	ZCRB1_COMP_TH_PWM	O	-	-
	34	ZCRB1_CIS_MODE	O	-	-
	35	ZCRB1_CIS_SYNC	O	-	-
	36	ZCRB1_CIS_CLK	O	-	-
	37	ZCRB1_LED1_B_CC	O	-	-
	38	ZCRB1_LED1_G_CC	O	-	-
	39	ZCRB1_LED1_R_CC	O	-	-
	40	GND	G	-	-

IOB1 Pin Assign Information

Connector		Signal Information			
No.	Pin No.	Signal Name	Direction	H	L
CN312	1	CRGDRW_A_CNCT	I	Not Set	Set
	2	TTSTISN	I	No Paper	Paper
	3	CRGRYSN	I	No Paper	Paper
	4	ZURTB_GAIN	O	-	-
	5	ZURTB_OUT_A	O	-	-
	6	ZURTB_OUT_-A	O	-	-
	7	TTSTIMT_CLK	O	-	-
	8	TTSTIMT_EN_N	O	Excitation Off	Excitation On
	9	TTSTIMT_CC	O	-	-
	10	TTSTIMT_FLG	I	Error	Normal
	11	CSU_MT_CLK	O	-	-
	12	CSU_MT_EN_N	O	Excitation Off	Excitation On
	13	CSU_MT_CCW	O	CCW	CW
	14	CSU_MT_CC	O	-	-
	15	CSU_MT_FLG	I	Error	Normal
	16	N.C.	N	-	-
	17	CRGDRW_B_CNCT	I	Not Set	Set
	18	GND	G	-	-
	19	CROHPSN	I	Interrupt	Not Interrupt
	20	CSUHPSN	I	Interrupt	Not Interrupt
	21	CRGTISN	I	No Paper	Paper
	22	TT2DSSN	I	Interrupt	Not Interrupt
	23	URRB_XURB_SMODE_D	I	-	-
	24	URRB_XURB_DF	I	-	-
	25	URRB_CLR	O	-	-
	26	URRB_URB_GAIN	O	-	-
	27	ZCRB2_CIS_VOUT2	I	-	-
	28	ZCRB2_CIS_VOUT1	I	-	-
	29	ZCRB2_CIS_VOUT0	I	-	-
	30	ZCRB2_COMP_TH_PWM	O	-	-
	31	ZCRB2_CIS_MODE	O	-	-
	32	N.C.	N	-	-
CN313	1	GND	G	-	-
	2	GND	G	-	-
	3	GND	G	-	-
	4	GND	G	-	-
	5	GND	G	-	-
	6	GND	G	-	-
	7	GND	G	-	-
	8	GND	G	-	-
	9	GND	G	-	-
	10	GND	G	-	-
	11	+24VS_DRB2	P	-	-
	12	+24VS_DRB2	P	-	-
	13	+24VS_DRB2	P	-	-
	14	+24VS_DRB2	P	-	-
	15	+24VS_DRB2	P	-	-
	16	+24VS_DRB1	P	-	-
	17	+24VS_DRB1	P	-	-
	18	+24VS_DRB1	P	-	-
	19	+24VS_DRB1	P	-	-
	20	+24VS_DRB1	P	-	-
CN314	1	N.C	N	-	-
	2	N.C	N	-	-
	3	RESET_DRB	O	Reset On	Reset Off
	4	CPASLEN2_A	I	-	-
	5	CPASLEN2_B	I	-	-
	6	CPASLEN_A	I	-	-
	7	CPASLEN_B	I	-	-
	8	T2BDRMT_STA_N	O	Disable	Enable
	9	T2BDRMT_LOK	I	Error	Normal
	10	T2BDRMT_CLK	O	-	-
	11	T2BDRMT_GA	O	Low Speed Drive Set	High Speed Drive Set
	12	T2BDRMT_CW	O	CW	CCW
	13	CRG_CLFN_LOK	I	Error	Normal
	14	CRG_CLFN	O	Disable	Enable
	15	STMREFDA_DRB_LD	O	-	-
	16	STMREFDA_DRB_CLK	O	-	-
	17	STMREFDA_DRB_DI	O	-	-
	18	STMREFDA_DRB_DO	I	-	-
	19	TACT-SNS2_LED_ON	O	-	-
	20	ZTACT-SNS2_D	I	Paper	No Paper
	21	ZTACT-SNS2_AO	I	-	-
	22	TACT-SNS1_LED_ON	O	-	-
	23	ZTACT-SNS1_D	I	Paper	No Paper
	24	ZTACT-SNS1_AO	I	-	-
CN315	1	GND	G	-	-
	2	TPSTPSNY_L-C	O	-	-
	3	TPSTPSNY_V-C2	I	-	-
	4	TPSTPSNY_V-C	I	-	-
	5	TPSTPSNM_L-C	O	-	-
	6	TPSTPSNM_V-C2	I	-	-
	7	TPSTPSNM_V-C	I	-	-
	8	TPSTPSNC_L-C	O	-	-
	9	TPSTPSNC_V-C2	I	-	-
	10	TPSTPSNC_V-C	I	-	-
	11	TPSTPSNK_L-C	O	-	-
	12	TPSTPSNK_V-C2	I	-	-
	13	TPSTPSNK_V-C	I	-	-
	14	TPSTPSNF_L-C	O	-	-
	15	TPSTPSNF_V-C2	I	-	-
	16	TPSTPSNF_V-C	I	-	-
	17	+3.3VS_DRB	P	-	-
	18	+3.3VS_DRB	P	-	-
	19	GND	G	-	-
	20	GND	G	-	-
CN316	1	CCSCEFNLT_LOK	I	Error	Normal
	2	CCSCEFNLT	N	-	-
	3	TPSCEFN_LOK	I	Error	Normal
	4	TPSCEFN	O	Disable	Enable
	5	RESERVE_SNS	N	-	-
	6	TPSTPSNR_L-C	O	-	-
	7	TPSTPSNR_V-C2	I	-	-
	8	TPSTPSNR_V-C	I	-	-
	9	GND	G	-	-
	10	CRGDRW_C_CNCT	I	Not Set	Set
CN318	1	DRW_A_CONECT	I	Not Set	Set
	2	ZHITCL1_PP_1T_FB_CC	I	-	-
	3	ZHITCL1_PP_1T_CCCV	O	Voltage Regulator	Current Regulator
	4	ZHITCL1_PP_1T_FB	I	-	-
	5	ZHITCL1_PP_1T_LK	I	Error	Normal
	6	ZHITCL1_PP_1T_PWM	O	-	-
	7	GND	G	-	-
	8	+24VS_PSU3A	P	-	-
	9	ZHITCL2_PP_1T_FB_CC	I	-	-
	10	ZHITCL2_PP_1T_CCCV	O	Voltage Regulator	Current Regulator
	11	ZHITCL2_PP_1T_FB	I	-	-
	12	ZHITCL2_PP_1T_LK	I	Error	Normal
	13	ZHITCL2_PP_1T_PWM	O	-	-
	14	GND	G	-	-
	15	+24VS_PSU3A	P	-	-
	16	ZHITCL5_PP_1T_FB_CC	I	-	-
	17	ZHITCL5_PP_1T_CCCV	O	Voltage Regulator	Current Regulator
	18	ZHITCL5_PP_1T_FB	I	-	-
	19	ZHITCL5_PP_1T_LK	I	Error	Normal
	20	ZHITCL5_PP_1T_PWM	O	-	-
	21	GND	G	-	-
	22	+24VS_PSU3A	P	-	-
	23	ZHITCL6_PP_1T_FB_CC	I	-	-
	24	ZHITCL6_PP_1T_CCCV	O	Voltage Regulator	Current Regulator
	25	ZHITCL6_PP_1T_FB	I	-	-
	26	ZHITCL6_PP_1T_LK	I	Error	Normal
	27	ZHITCL6_PP_1T_PWM	O	-	-
	28	GND	G	-	-
	29	+24VS_PSU3A	P	-	-
	30	GND	G	-	-

IOB1 Pin Assign Information

Connector		Signal Information			
No.	Pin No.	Signal Name	Direction	H	L
CN319	1	ZHITCL3_PP_2T_PWM	O	-	-
	2	ZHITCL3_PP_2T_FB_CC	I	-	-
	3	ZHITCL3_PP_2T_CCCV	O	Voltage Regulator	Current Regulator
	4	N.C.	N	-	-
	5	ZHITCL3_PP_2T_FB	I	-	-
	6	ZHITCL3_PP_2T_LK	I	Error	Normal
	7	N.C.	N	-	-
	8	GND	G	-	-
	9	+24VS_PSU3A	P	-	-
	10	ZHITCL4_PP_2T_PWM	O	-	-
	11	ZHITCL4_PP_2T_FB_CC	I	-	-
	12	ZHITCL4_PP_2T_CCCV	O	Voltage Regulator	Current Regulator
	13	N.C.	N	-	-
	14	ZHITCL4_PP_2T_FB	I	-	-
	15	ZHITCL4_PP_2T_LK	I	Error	Normal
	16	N.C.	N	-	-
	17	GND	G	-	-
	18	+24VS_PSU3A	P	-	-
CN320	1	ZHPCLYMC_PP_1T_FB_CC	I	-	-
	2	ZHPCLYMC_PP_1T_CCCV	O	Voltage Regulator	Current Regulator
	3	ZHPCLYMC_PP_1T_FB	I	-	-
	4	ZHPCLYMC_PP_1T_LK	I	Error	Normal
	5	ZHPCLYMC_PP_1T_PWM	O	-	-
	6	GND	G	-	-
	7	+24VS_PSU3A	P	-	-
	8	ZHPCLK_PP_1T_FB_CC	I	-	-
	9	ZHPCLK_PP_1T_CCCV	O	Voltage Regulator	Current Regulator
	10	ZHPCLK_PP_1T_FB	I	-	-
	11	ZHPCLK_PP_1T_LK	I	Error	Normal
	12	ZHPCLK_PP_1T_PWM	O	-	-
	13	GND	G	-	-
	14	+24VS_PSU3A	P	-	-
CN321	1	TTIDRW_B_CNCT	I	Not Set	Set
	2	PMAEDSW	I	Not End	End
	3	GND	G	-	-
	4	PMAEDSW_CNCT	I	Not Set	Set
	5	TCLSTSW	I	Not Set	Set
	6	CRG_LE_LED-K	I	LED Off	LED On
	7	GND	G	-	-
	8	GND	G	-	-
	9	TT2CASN	I	Interrupt	Not Interrupt
	10	TT2CAMT_FLG	I	Error	Normal
	11	TT2CAMT_CC	O	-	-
	12	TT2CAMT_FR	O	CCW	CW
	13	TT2CAMT_EN	O	Excitation Off	Excitation On
	14	TT2CAMT_CLK	O	Error	Normal
CN322	1	GND	G	-	-
	2	+5V	P	-	-
	3	TCL_MT_GA	O	Low Speed Drive Set	High Speed Drive Set
	4	TCL_MT_CLK	O	-	-
	5	TCL_MT_LOK	I	Error	Normal
	6	TCL_MT_STA_N	O	Disable	Enable
	7	GND	G	-	-
	8	GND	G	-	-
	9	+24VS_PSU3A	P	-	-
	10	+24VS_PSU3A	P	-	-
CN323	1	CFFCVMT_A	O	-	-
	2	+24V_PSU3A1	P	-	-
	3	CFFCVMT_XA	O	-	-
	4	CFFCVMT_B	O	-	-
	5	+24V_PSU3A1	P	-	-
	6	CFFCVMT_XB	O	-	-
CN324	1	CFFFDMT_A	O	-	-
	2	+24VS_TRAY	P	-	-
	3	CFFFDMT_XA	O	-	-
	4	CFFFDMT_B	O	-	-
	5	+24VS_TRAY	P	-	-
	6	CFFFDMT_XB	O	-	-
	7	CFFUDMT_A	O	-	-
	8	CFFUDMT_XA	O	-	-
	9	CFFUDMT_B	O	-	-
	10	CFFUDMT_XB	O	-	-
CN325	1	+5V	P	-	-
	2	CF1BL_SS	I	Not Set	Set
	3	CFFPESN	I	No Paper	Paper
	4	CFFULSN	N	-	-
	5	CFFBQSN	N	-	-
	6	GND	G	-	-
	7	GND	G	-	-
	8	CFFOLSN	I	Interrupt	Not Interrupt
	9	+5V	P	-	-
	10	GND	G		
	11	CF2_SS	I		
	12	GND	G	-	-
	13	C1RULSN1	I	Not Detect	Detect
	14	+5V	P	-	-
	15	GND	N	-	-
	16	C1RULSN2	N	-	-
	17	+5V	N	-	-
CN326	A1	GND	G		
	A2	CFFSZSN1	I	Interrupt	Not Interrupt
	A3	+5V	P	-	-
	A4	GND	G	-	-
	A5	CFFSZSN2	I	Interrupt	Not Interrupt
	A6	+5V	P	-	-
	A7	GND	G		
	A8	CFFSZSN3	I	Interrupt	Not Interrupt
	A9	+5V	P	-	-
	A10	GND	G	-	-
	A11	CFFSZSN4	I	Interrupt	Not Interrupt
	A12	+5V	P	-	-
	B1	GND	G	-	-
	B2	CF1_SS	I	Not Set	Set
	B3	+5V_LE1	O	-	-
	B4	CFTFDLE1	O	LED Off	LED On
	B5	GND	G	-	-
	B6	CFFSLSN1	I	Interrupt	Not Interrupt
	B7	+5V	P	-	-
	B8	GND	G		
	B9	CFFSLSN2	I	Interrupt	Not Interrupt
	B10	+5V	P	-	-
	B11	N.C.	N		
	B12	N.C.	N	-	-
CN327	1	+5V	P	-	-
	2	GND	G	-	-
	3	LWSCVMTUP_GA	O	High Speed Drive Set	Low Speed Drive Set
	4	LWSCVMTUP_CW	O	CW	CCW
	5	LWSCVMTUP_CLK	O	-	-
	6	LWSCVMTUP_LOK_N	I	Error	Normal
	7	LWSCVMTUP_STA_N	O	Disable	Enable
	8	GND	G	-	-
	9	GND	G	-	-
	10	+24V_PSU2_1	P	-	-
	11	+24V_PSU2_1	P	-	-

IOB1 Pin Assign Information

Connector		Signal Information			
No.	Pin No.	Signal Name	Direction	H	L
CN328	1	GND	G	-	-
	2	+5V	P	-	-
	3	ODV_MTY_GA	O	High Speed Drive Set	Low Speed Drive Set
	4	ODV_MTY_CLK	O	-	-
	5	ODV_MTY_LOK	I	Error	Normal
	6	ODV_MTY_STA_N	O	Disable	Enable
	7	GND	G	-	-
	8	GND	G	-	-
	9	+24V_PSU2_5	P	-	-
	10	+24V_PSU2_5	P	-	-
	11	GND	G	-	-
	12	+5V	P	-	-
	13	ODV_MTM_GA	O	High Speed Drive Set	Low Speed Drive Set
	14	ODV_MTM_CLK	O	-	-
	15	ODV_MTM_LOK	I	Error	Normal
	16	ODV_MTM_STA_N	O	Disable	Enable
	17	GND	G	-	-
	18	GND	G	-	-
	19	+24V_PSU2_4	P	-	-
	20	+24V_PSU2_4	P	-	-
	21	GND	G	-	-
	22	+5V	P	-	-
	23	ODV_MTC_GA	O	High Speed Drive Set	Low Speed Drive Set
	24	ODV_MTC_CLK	O	-	-
	25	ODV_MTC_LOK	I	Error	Normal
	26	ODV_MTC_STA_N	O	Disable	Enable
	27	GND	G	-	-
	28	GND	G	-	-
	29	+24V_PSU2_3	P	-	-
	30	+24V_PSU2_3	P	-	-
	31	GND	G	-	-
	32	+5V	P	-	-
	33	ODV_MTK_GA	O	High Speed Drive Set	Low Speed Drive Set
	34	ODV_MTK_CLK	O	-	-
	35	ODV_MTK_LOK	I	Error	Normal
	36	ODV_MTK_STA_N	O	Disable	Enable
	37	GND	G	-	-
	38	GND	G	-	-
	39	+24V_PSU2_2	P	-	-
	40	+24V_PSU2_2	P	-	-
CN329	1	+24VS_TSB	P	-	-
	2	NTBDRMTY1	O	-	-
	3	NTBOCMTY1_A	O	-	-
	4	NTBOCMTY1_B	O	-	-
	5	+24VS_TSB	P	-	-
	6	NTBDRMTY2	O	-	-
	7	NTBOCMTY2_A	O	-	-
	8	NTBOCMTY2_B	O	-	-
	9	+24VS_TSB	P	-	-
	10	NTBDRMTM1	O	-	-
	11	NTBOCMTM1_A	O	-	-
	12	NTBOCMTM1_B	O	-	-
	13	+24VS_TSB	P	-	-
	14	NTBDRMTM2	O	-	-
	15	NTBOCMTM2_A	O	-	-
	16	NTBOCMTM2_B	O	-	-
	17	+24VS_TSB	P	-	-
	18	NTBDRMTC1	O	-	-
	19	NTBOCMTC1_A	O	-	-
	20	NTBOCMTC1_B	O	-	-
	21	+24VS_TSB	P	-	-
	22	NTBDRMTC2	O	-	-
	23	NTBOCMTC2_A	O	-	-
	24	NTBOCMTC2_B	O	-	-
	25	+24VS_TSB	P	-	-
	26	NTBDRMTK1	O	-	-
	27	NTBOCMTK1_A	O	-	-
	28	NTBOCMTK1_B	O	-	-
	29	+24VS_TSB	P	-	-
	30	NTBDRMTK2	O	-	-
	31	NTBOCMTK2_A	O	-	-
	32	NTBOCMTK2_B	O	-	-
CN331	1	+24V_PSU5_1	P		
	3	+24VS_TSB	P	Toner Hopper Cover: Close	Toner Hopper Cover: Open
CN332	1	NTNSPMTY_A	O	-	-
	2	+24V_PSU5_1	P	-	-
	3	NTNSPMTY_XA	O	-	-
	4	NTNSPMTY_B	O	-	-
	5	N.C.	N	-	-
	6	NTNSPMTY_XB	O	-	-
	7	NTNRTMTY_A	O	-	-
	8	+24V_PSU5_1	P	-	-
	9	NTNRTMTY_XA	O	-	-
	10	NTNRTMTY_B	O	-	-
	11	N.C.	N	-	-
	12	NTNRTMTY_XB	O	-	-
	13	NTNSPMTM_A	O	-	-
	14	+24V_PSU5_1	P	-	-
	15	NTNSPMTM_XA	O	-	-
	16	NTNSPMTM_B	O	-	-
	17	N.C.	N	-	-
	18	NTNSPMTM_XB	O	-	-
	19	NTNRTMTM_A	O	-	-
	20	+24V_PSU5_1	P	-	-
	21	NTNRTMTM_XA	O	-	-
	22	NTNRTMTM_B	O	-	-
	23	N.C.	N	-	-
	24	NTNRTMTM_XB	O	-	-
CN333	1	NTNSPMTC_A	O	-	-
	2	+24V_PSU5_1	P	-	-
	3	NTNSPMTC_XA	O	-	-
	4	NTNSPMTC_B	O	-	-
	5	N.C.	N	-	-
	6	NTNSPMTC_XB	O	-	-
	7	NTNRTMTC_A	O	-	-
	8	+24V_PSU5_1	P	-	-
	9	NTNRTMTC_XA	O	-	-
	10	NTNRTMTC_B	O	-	-
	11	N.C.	N	-	-
	12	NTNRTMTC_XB	O	-	-
	13	N.C.	N	-	-
	14	NTNSPMTK_A	O	-	-
	15	+24V_PSU5_1	P	-	-
	16	NTNSPMTK_XA	O	-	-
	17	NTNSPMTK_B	O	-	-
	18	N.C.	N	-	-
	19	NTNSPMTK_XB	O	-	-
	20	NTNRTMTK_A	O	-	-
	21	+24V_PSU5_1	P	-	-
	22	NTNRTMTK_XA	O	-	-
	23	NTNRTMTK_B	O	-	-
	24	N.C.	N	-	-
	25	NTNRTMTK_XB	O	-	-
	26	N.C.	N	-	-

IOB1 Pin Assign Information

Connector		Signal Information			
No.	Pin No.	Signal Name	Direction	H	L
CN334	1	+24VS_PSU3A	P	-	-
	2	+24VS_PSU3A	P	-	-
	3	N.C.	N	-	-
	4	PCC_MTY_A	O	-	-
	5	PCC_MTY_XA	O	-	-
	6	PCC_MTY_B	O	-	-
	7	PCC_MTY_XB	O	-	-
	8	+24VS_PSU3A	P	-	-
	9	+24VS_PSU3A	P	-	-
	10	N.C.	N	-	-
	11	PCC_MTM_A	O	-	-
	12	PCC_MTM_XA	O	-	-
	13	PCC_MTM_B	O	-	-
	14	PCC_MTM_XB	O	-	-
	15	+24VS_PSU3A	P	-	-
	16	+24VS_PSU3A	P	-	-
	17	N.C.	N	-	-
	18	PCC_MTC_A	O	-	-
	19	PCC_MTC_XA	O	-	-
	20	PCC_MTC_B	O	-	-
	21	PCC_MTC_XB	O	-	-
	22	+24VS_PSU3A	P	-	-
	23	+24VS_PSU3A	P	-	-
	24	N.C.	N	-	-
	25	PCC_MTK_A	O	-	-
	26	PCC_MTK_XA	O	-	-
	27	PCC_MTK_B	O	-	-
	28	PCC_MTK_XB	O	-	-
CN335	1	N.C.	N	-	-
	2	CTFDRMT1_B	O	-	-
	3	CTFDRMT1_A	O	-	-
	4	CTFDRMT1_XB	O	-	-
	5	CTFDRMT1_XA	O	-	-
	6	N.C.	N	-	-
	7	+24VS_PSU3A	P	-	-
	8	CTFBQFN1_LOK	I	Error	Normal
	9	CTFBQFN1_2_3	O	Disable	Enable
	10	+24VS_PSU3A	P	-	-
	11	CTFBQFN2_LOK	I	Error	Normal
	12	CTFBQFN1_2_3	O	Disable	Enable
	13	+24VS_PSU3A	P	-	-
	14	CTFBQFN3_LOK	I	Error	Normal
	15	CTFBQFN1_2_3	O	Disable	Enable
	16	+24VS_PSU3A	P	-	-
	17	CTFBQFN4_LOK	I	Error	Normal
	18	CTFBQFN4_9_10	O	Disable	Enable
	19	+24VS_PSU3A	P	-	-
	20	CTFBQFN9_LOK	I	Error	Normal
	21	CTFBQFN4_9_10	O	Disable	Enable
	22	+24VS_PSU3A	P	-	-
	23	CTFBQFN10_LOK	I	Error	Normal
	24	CTFBQFN4_9_10	O	Disable	Enable
CN336	1	CFDCVMT4_A	O	-	-
	2	+24VS_PSU1_1	P	-	-
	3	CFDCVMT4_XA	O	-	-
	4	CFDCVMT4_B	O	-	-
	5	+24VS_PSU1_1	P	-	-
	6	CFDCVMT4_XB	O	-	-
	7	CFDCVMT5_A	O	-	-
	8	+24VS_PSU1_1	P	-	-
	9	CFDCVMT5_XA	O	-	-
	10	CFDCVMT5_B	O	-	-
	11	+24VS_PSU1_1	P	-	-
	12	CFDCVMT5_XB	O	-	-
CN337	1	CFDCVMT6_A	O	-	-
	2	+24VS_PSU1_1	P	-	-
	3	CFDCVMT6_XA	O	-	-
	4	CFDCVMT6_B	O	-	-
	5	+24VS_PSU1_1	P	-	-
	6	CFDCVMT6_XB	O	-	-
	7	CFDCVMT7_A	O	-	-
	8	+24VS_PSU1_1	P	-	-
	9	CFDCVMT7_XA	O	-	-
	10	CFDCVMT7_B	O	-	-
	11	+24VS_PSU1_1	P	-	-
	12	CFDCVMT7_XB	O	-	-
	13	N.C.	N	-	-
CN338	1	+24V_PSU5_1	P	-	-
	2	QPS_FN1_LOK	I	Error	Normal
	3	QPS_FN1_2	O	Disable	Enable
	4	+24V_PSU5_1	P	-	-
	5	QPS_FN2_LOK	I	Error	Normal
	6	QPS_FN1_2	O	Disable	Enable
	7	+24V_PSU5_1	P	-	-
	8	QPS_FN5_LOK	I	Error	Normal
	9	QPS_FN5_6	O	Disable	Enable
	10	+24V_PSU5_1	P	-	-
	11	QPS_FN6_LOK	I	Error	Normal
	12	QPS_FN5_6	O	Disable	Enable
	13	+24V_PSU2_1	P	-	-
	14	MMIEHFN4_LOK	I	Error	Normal
	15	MMIEHFN2_3_4	O	Disable	Enable
	16	+24V_PSU5_1	P	-	-
	17	QPSEHFN_LOK	I	Error	Normal
	18	QPSEHFN	O	Disable	Enable
	19	+24V_PSU5_1	P	-	-
	20	QPS_FN3_LOK	I	Error	Normal
	21	QPS_FN3_4	O	Disable	Enable
	22	+24V_PSU5_1	P	-	-
	23	QPS_FN4_LOK	I	Error	Normal
	24	QPS_FN3_4	O	Disable	Enable
	25	+24V_PSU5_1	P	-	-
	26	QCT_FN1_LOK	I	Error	Normal
	27	QCT_FN1_2	O	Disable	Enable
	28	+24V_PSU5_1	P	-	-
	29	QCT_FN2_LOK	I	Error	Normal
	30	QCT_FN1_2	O	Disable	Enable
	31	+24V_PSU5_1	P	-	-
	32	QCT_FN3_LOK	I	Error	Normal
	33	QCT_FN3_4	O	Disable	Enable
	34	+24V_PSU5_1	P	-	-
	35	QCT_FN4_LOK	I	Error	Normal
	36	QCT_FN3_4	O	Disable	Enable
CN339	1	+24V_PSU2_1	N	-	-
	2	WWRCLFN2_LOK	N	-	-
	3	WWRCLFN	N	-	-
	4	+24V_PSU2_1	P	-	-
	5	WWRCLFN1_LOK	I	Error	Normal
	6	WWRCLFN	O	Disable	Enable
	7	+24V_PSU2_1	P	-	-
	8	CRGEHFN_LOK	I	Error	Normal
	9	CRGEHFN	O	Disable	Enable
	10	+24V_PSU2_1	P	-	-
	11	MMIEHFN2_LOK	I	Error	Normal
	12	MMIEHFN2_3_4	O	Disable	Enable
	13	+24V_PSU2_1	P	-	-
	14	MMIEHFN3_LOK	I	Error	Normal
	15	MMIEHFN2_3_4	O	Disable	Enable
CN340	1	+24V_PSU2_1	P	-	-
	2	MMIEHFN1_LOK	I	Error	Normal
	3	MMIEHFN1_8_9	O	Disable	Enable
	4	+24V_PSU2_1	P	-	-
	5	MMIEHFN8_LOK	I	Error	Normal
	6	MMIEHFN1_8_9	O	Disable	Enable
	7	+24V_PSU2_1	P	-	-
	8	MMIEHFN9_LOK	I	Error	Normal
	9	MMIEHFN1_8_9	O	Disable	Enable

IOB1 Pin Assign Information

Connector		Signal Information			
No.	Pin No.	Signal Name	Direction	H	L
CN341	1	GND	G	-	-
	2	ODVCLFNY_PWM	O	-	-
	3	ODVCLFNY_LOK_N	I	Error	Normal
	4	+24V_PSU5_2	P	-	-
	5	GND	G	-	-
	6	ODVCLFNM_PWM	O	-	-
	7	ODVCLFNM_LOK_N	I	Error	Normal
	8	+24V_PSU5_2	P	-	-
	9	GND	G	-	-
	10	ODVCLFNC_PWM	O	-	-
	11	ODVCLFNC_LOK_N	I	Error	Normal
	12	+24V_PSU5_3	P	-	-
	13	GND	G	-	-
	14	ODVCLFNK_PWM	O	-	-
	15	ODVCLFNK_LOK_N	I	Error	Normal
	16	+24V_PSU5_3	P	-	-
	17	GND	G	-	-
	18	MOZEFFNY_PWM	O	-	-
	19	MOZEFFNY_LOK_N	I	Error	Normal
	20	+24V_PSU5_4	P	-	-
	21	GND	G	-	-
	22	MOZEFFNM_PWM	O	-	-
	23	MOZEFFNM_LOK_N	I	Error	Normal
	24	+24V_PSU5_4	P	-	-
	25	GND	G	-	-
	26	MOZEFFNC_PWM	O	-	-
	27	MOZEFFNC_LOK_N	I	Error	Normal
	28	+24V_PSU5_5	P	-	-
	29	GND	G	-	-
	30	MOZEFFNK_PWM	O	-	-
	31	MOZEFFNK_LOK_N	I	Error	Normal
	32	+24V_PSU5_5	P	-	-
CN342	1	+24V_PSU2_1	P	-	-
	2	PCGINFNY_LOK_N	I	Error	Normal
	3	GND	G	-	-
	4	PCGINFNY_PWM	O	-	-
	5	+24V_PSU2_1	P	-	-
	6	PCGINFNM_LOK_N	I	Error	Normal
	7	GND	G	-	-
	8	PCGINFNM_PWM	O	-	-
	9	+24V_PSU2_1	P	-	-
	10	PCGINFNC_LOK_N	I	Error	Normal
	11	GND	G	-	-
	12	PCGINFNC_PWM	O	-	-
	13	+24V_PSU2_1	P	-	-
	14	PCGINFNK_LOK_N	I	Error	Normal
	15	GND	G	-	-
	16	PCGINFNK_PWM	O	-	-
CN343	1	GND	G	-	-
	2	NTBOCSNY1	I	Open	Close
	3	+5V	P	-	-
	4	GND	G	-	-
	5	NTBEXSNY1	I	Not Set	Set
	6	+5V	P	-	-
	7	GND	G	-	-
	8	NTBOCSNY2	I	Open	Close
	9	+5V	P	-	-
	10	GND	G	-	-
	11	NTBEXSNY2	I	Not Set	Set
	12	+5V	P	-	-
	13	GND	G	-	-
	14	NTBOCSNM1	I	Open	Close
	15	+5V	P	-	-
	16	GND	G	-	-
	17	NTBEXSNM1	I	Not Set	Set
	18	+5V	P	-	-
	19	GND	G	-	-
	20	NTBOCSNM2	I	Open	Close
	21	+5V	P	-	-
	22	GND	G	-	-
	23	NTBEXSNM2	I	Not Set	Set
	24	+5V	P	-	-
CN344	1	GND	G	-	-
	2	NTBOCSNC1	I	Open	Close
	3	+5V	P	-	-
	4	GND	G	-	-
	5	NTBEXSNC1	I	Not Set	Set
	6	+5V	P	-	-
	7	GND	G	-	-
	8	NTBOCSNC2	I	Open	Close
	9	+5V	P	-	-
	10	GND	G	-	-
	11	NTBEXSNC2	I	Not Set	Set
	12	+5V	P	-	-
	13	GND	G	-	-
	14	NTBOCSNK1	I	Open	Close
	15	+5V	P	-	-
	16	GND	G	-	-
	17	NTBEXSNK1	I	Not Set	Set
	18	+5V	P	-	-
	19	GND	G	-	-
	20	NTBOCSNK2	I	Open	Close
	21	+5V	P	-	-
	22	GND	G	-	-
	23	NTBEXSNK2	I	Not Set	Set
	24	+5V	P	-	-
	25	GND	G	-	-
	26	NTNEDSNY	I	Not End	End
	27	+5V	P	-	-
	28	GND	G	-	-
	29	NTNEDSNM	I	Not End	End
	30	+5V	P	-	-
	31	GND	G	-	-
	32	NTNEDSNC	I	Not End	End
	33	+5V	P	-	-
	34	GND	G	-	-
	35	NTNEDSNK	I	Not End	End
	36	+5V	P	-	-

IOB1 Pin Assign Information

Connector		Signal Information			
No.	Pin No.	Signal Name	Direction	H	L
CN345	1	GND	G	-	-
	2	PCCHPSNY	I	Interrupt	Not Interrupt
	3	+5V	P	-	-
	4	GND	G	-	-
	5	PCCHPSNM	I	Interrupt	Not Interrupt
	6	+5V	P	-	-
	7	GND	G	-	-
	8	PCCHPSNC	I	Interrupt	Not Interrupt
	9	+5V	P	-	-
	10	GND	G	-	-
	11	PCCHPSNK	I	Interrupt	Not Interrupt
	12	+5V	P	-	-
	13	GND	G	-	-
	14	PHCEDSWY_CNCT	I	Not Set	Set
	15	GND	G	-	-
	16	PHCEDSWY	I	Not End	End
	17	GND	G	-	-
	18	PHCEDSWM_CNCT	I	Not Set	Set
	19	GND	G	-	-
	20	PHCEDSWM	I	Not End	End
	21	GND	G	-	-
	22	PHCEDSWC_CNCT	I	Not Set	Set
	23	GND	G	-	-
	24	PHCEDSWC	I	Not End	End
	25	GND	G	-	-
	26	PHCEDSWK_CNCT	I	Not Set	Set
	27	GND	G	-	-
	28	PHCEDSWK	I	Not End	End
	29	TTI_TH_TH	I	-	-
	30	GND	G	-	-
	31	TTI_TH_RHV	I	-	-
	32	+3.3V	P	-	-
	33	PPC_THY_TH	I	-	-
	34	GND	G	-	-
	35	PPC_THY_RHV	I	-	-
	36	+3.3V	P	-	-
	37	PPC_THK_TH	I	-	-
	38	GND	G	-	-
	39	PPC_THK_RHV	I	-	-
	40	+3.3V	P	-	-
CN346	1	GND	G	-	-
	2	CTFPVSN1	I	No Paper	Paper
	3	+5V	P	-	-
	4	GND	G	-	-
	5	CTFPVSN2	I	No Paper	Paper
	6	+5V	P	-	-
	7	GND	G	-	-
	8	TSPJSSNUL	I	Interrupt	Not Interrupt
	9	+5V	P	-	-
	10	GND	G	-	-
	11	TSPJSSNUP	I	Interrupt	Not Interrupt
	12	+5V	P	-	-
	13	N.C.	N		
	14	GND	G	-	-
	15	CFDCVSN4	I	No Paper	Paper
	16	+5V	P	-	-
	17	GND	G	-	-
	18	CFDCVSN5	I	No Paper	Paper
	19	+5V	P		
	20	CFDCVLE3_LED-K	O	LED Off	LED On
	21	CFDCVLE3_LED-A	O	-	-
	22	CFDCVLE4_LED-K	O	LED Off	LED On
	23	CFDCVLE4_LED-A	O	-	-
	24	CTF_LE_LED-K	O	LED Off	LED On
	25	CTF_LE_LED-A	O	-	-
	26	N.C.	N	-	-
CN347	1	NTBRQLEY1_LED-K	O	LED Off	LED On
	2	NTBRQLEY1_LED-A	O	-	-
	3	NTBRQLEY2_LED-K	O	LED Off	LED On
	4	NTBRQLEY2_LED-A	O	-	-
	5	NTBRQLEM1_LED-K	O	LED Off	LED On
	6	NTBRQLEM1_LED-A	O	-	-
	7	NTBRQLEM2_LED-K	O	LED Off	LED On
	8	NTBRQLEM2_LED-A	O	-	-
	9	NTBRQLEC1_LED-K	O	LED Off	LED On
	10	NTBRQLEC1_LED-A	O	-	-
	11	NTBRQLEC2_LED-K	O	LED Off	LED On
	12	NTBRQLEC2_LED-A	O	-	-
	13	NTBRQLEK1_LED-K	O	LED Off	LED On
	14	NTBRQLEK1_LED-A	O		
	15	NTBRQLEK2_LED-K	O	LED Off	LED On
	16	NTBRQLEK2_LED-A	O	-	-
CN348	1	GND	G	-	-
	2	N.C.	N	-	-
	3	+5V	P	-	-
	4	GND	G	-	-
	5	LMWLKSN	I	Interrupt	Not Interrupt
	6	+5V	P	-	-
	7	GND	G	-	-
	8	CRRHPSN1	I	Interrupt	Not Interrupt
	9	+5V	P	-	-
	10	GND	G	-	-
	11	CRRHPSN2	I	Interrupt	Not Interrupt
	12	+5V	P	-	-
	13	GND	G	-	-
	14	CLCRYSN	I	No Paper	Paper
	15	+5V	P	-	-
	16	GND	G	-	-
	17	CRGINSN1	I	No Paper	Paper
	18	+5V	P	-	-
	19	GND	G	-	-
	20	CRGINSN2	I	No Paper	Paper
	21	+5V	P	-	-
	22	GND	G	-	-
	23	CRGINSN3	I	No Paper	Paper
	24	+5V	P	-	-
	25	GND	G	-	-
	26	CFDCVSN6	I	No Paper	Paper
	27	+5V	P	-	-
	28	GND	G	-	-
	29	CFDCVSN7	I	No Paper	Paper
	30	+5V	P	-	-
	31	CFDCVLE5_LED-K	O	LED Off	LED On
	32	CFDCVLE5_LED-A	O	-	-
	33	CFDCVLE6_LED-K	O	LED Off	LED On
	34	CFDCVLE6_LED-A	O	-	-
	35	CRGINLE_LED-K	O	LED Off	LED On
	36	CRGINLE_LED-A	O	-	-
CN349	1	5V_NRYF	P	-	-
	2	ENG_PSU_ON_N	O	Off	On
	3	5VX_NRYF	P	-	-
	4	PON_ENG_N	O	Off	On
	5	T1_5V	I	-	-
	6	T1_GND	I	-	-
	7	T2_5V	I	-	-
	8	T2_GND	I	-	-
	9	N.C.	N	-	-
	10	N.C.	N	-	-
	11	N.C.	N	-	-
	12	PSU5_24V_TRG_N	O	Off	On
	13	GND	G	-	-
	14	ZPSU4_ENB_N	O	Off	On
	15	GND	G	-	-
	16	PSU2_24V_TRG_N	O	Off	On
	17	GND	G	-	-
	18	+5VX	P	-	-
	19	GND	G	-	-
	20	GND	G	-	-
	21	PSU3_ENB_N	O	Off	On
	22	PSU3_24V_TRG_N	O	Off	On

IOB1 Pin Assign Information

Connector		Signal Information			
No.	Pin No.	Signal Name	Direction	H	L
CN357	1	CFFPFMT_A	O	-	-
	2	+24VS_PSU1_1	P	-	-
	3	CFFPFMT_XA	O	-	-
	4	CFFPFMT_B	O	-	-
	5	+24VS_PSU1_1	P	-	-
	6	CFFPFMT_XB	O	-	-
	7	N.C.	N	-	-
CN358	1	IOB2_SER_RST	N	-	-
	2	RSTSER_N	N	-	-
	3	IOB2_RST	O	Reset On	Reset Off
	4	IOB2_WAKE_N	I	-	-
	5	VODKA_S4_INT	I	-	-
	6	VODKA_S5_INT	I	-	-
	7	VODKA_S6_INT	I	-	-
	8	IOB1_CVR_OPN	O	Front Doors (Imaging Section), Toner Supply Front Cover: Open	Front Doors (Imaging Section), Toner Supply Front Cover: Close
	9	IOB2_CVR_OPN	I	Front Doors (Fusing Section): Open	Front Doors (Fusing Section): Close
	10	ACSW_STAT_N	I	Off	On
CN360	1	GND	G	-	-
	2	M2P_RST_P3	I	-	-
	3	PP_PWM_ENB_N	O	Disable	Enable
	4	PSU1_ENB_N	O	Off	On
	5	PON_ENG	I	Off	On
	6	ACSW_STAT_N	O	Off	On
	7	GND	G	-	-
	8	WWR_TSK	I	-	-
	9	WWR_TSC	I	-	-
	10	WWR_TSM	I	-	-
	11	WWR_TSY	I	-	-
CN361	1	+24VS_PSU3A	P	-	-
	2	GND	G	-	-
	3	GND	G	-	-
	4	ZPHRVS_SIGNAL_OUT1	I	-	-
	5	ZPHRVS_SIGNAL_OUT2	I	-	-
	6	ZPHRVS_SIGNAL_OUT3	I	-	-
	7	ZPHRVS_SIGNAL_OUT4	I	-	-
CN362	1	+24VS_PSU3A1	P	-	-
	2	+24VS_PSU3B1	P	-	-
	3	+24VS_PSU3B2	P	-	-
	4	+24VS_TRAY	P	-	-
	5	GND	G	-	-
	6	GND	G	-	-
CN363	1	CFFULSL1	N	-	-
	2	+24V_PSU3A2	N	-	-
	3	CFFULSL2	N	-	-
	4	+24V_PSU3A3	N	-	-
	5	CFFBQSL	N	-	-
	6	+24V_PSU3A4	N	-	-
	7	CFFFTSL	N	-	-
	8	+24V_PSU3A4	N	-	-
	9	CE1SESL1	O	-	-
	10	+24V_PSU3A5	P	-	-
	11	CE1SESL2	O	-	-
	12	+24V_PSU3A5	P	-	-
CN364	1	GND	G	-	-
	2	CFFBQFN1_PWM	O	-	-
	3	CFFBQFN1_LOK	I	Error	Normal
	4	+24VS_PSU3B1	P	-	-
	5	GND	G	-	-
	6	CFFBQFN2_PWM	O	-	-
	7	CFFBQFN2_LOK	I	Error	Normal
	8	+24VS_PSU3B2	P	-	-
CN365	1	TT2DSMT_A	O	-	-
	2	+24VS_PSU3A	P	-	-
	3	TT2DSMT_XA	O	-	-
	4	TT2DSMT_B	O	-	-
	5	+24VS_PSU3A	P	-	-
	6	TT2DSMT_XB	O	-	-
CN367	1	+5VS	P	Front Doors (Imaging Section), Toner Supply Front Cover: Close	Front Doors (Imaging Section), Toner Supply Front Cover: Open
	2	GND	G	-	-
	3	N.C.	N	-	-
	4	IOB2_GND	O	-	-
	5	IOB2_+5VS	I	Front Doors (Fusing Section): Close	Front Doors (Fusing Section): Open
CN368	1	+5V	P	-	-
	2	GND	G	-	-
	3	LWSCVMTUN_GA	O	High Speed Drive Set	Low Speed Drive Set
	4	LWSCVMTUN_CW	O	CW	CCW
	5	LWSCVMTUN_CLK	O	-	-
	6	LWSCVMTUN_LOK_N	I	Error	Normal
	7	LWSCVMTUN_STA_N	O	Disable	Enable
	8	GND	G	-	-
	9	GND	G	-	-
	10	+24V_PSU2_1	P	-	-
	11	+24V_PSU2_1	P	-	-
	12	N.C.	N	-	-
CN369	1	+24VS_PSU3	P	-	-
	2	GND	N	-	-
CN370	1	GND	G	-	-
	2	LWBSTSN	I	Not Set	Set
	3	+5V	P	-	-
	4	GND	G	-	-
	5	LWBFLSN	I	Full	Not Full
	6	+5V	P	-	-
	7	GND	G	-	-
	8	LWBNFSN	I	Full	Not Full
	9	+5V	P	-	-
	10	GND	G	-	-
	11	CFFPFSN1	I	No Paper	Paper
	12	+5V	P	-	-
	13	GND	G	-	-
	14	CFFPFSN2	I	No Paper	Paper
	15	+5V	P	-	-
	16	CFFPFLE_LED-K	O	LED Off	LED On
	17	CFFPFLE_LED-A	O	-	-
	18	N.C.	N	-	-
CN373	1	GND	G	-	-
	2	CFFFDSN	I	No Paper	Paper
	3	+5V	P	-	-
	4	CFFFTFN_PWM	O	-	-
	5	CFFFTFN_LK	I	Error	Normal
	6	CFFSEFN_PWM	O	-	-
	7	CFFSEFN_LK	I	Error	Normal
	8	CE1SEFNFR_PWM	O	-	-
	9	CE1SEFNFR_LK	I	Error	Normal
	10	CE1SEFNBC_PWM	O	-	-
	11	CE1SEFNBC_LK	I	Error	Normal
	12	GND	G	-	-
	13	CFFRQSNLS	I	Interrupt	Not Interrupt
	14	+5V	P	-	-
	15	GND	G	-	-
	16	CFFRQSNMI	I	Interrupt	Not Interrupt
	17	+5V	P	-	-
	18	GND	G	-	-
	19	CFFLLSN	I	Interrupt	Not Interrupt
	20	+5V	P	-	-
CN377	1	+24VS_PSU3A	P	-	-
	2	CTRMCFN_LOK	I	Error	Normal
	3	CTRMCFN	O	Disable	Enable
	4	+24VS_PSU3A	P	-	-
	5	CRGMCFN_LOK	I	-	-
	6	CTRMCFN	O	-	-
	7	+24VS_PSU3A	P	-	-
	8	MFN3_LOK	I	-	-
	9	MFN3	O	-	-

IOB2 Pin Assign Information

Connector		Signal Information			
No.	Pin No.	Signal Name	Direction	H	L
CN103	1	T2_5V4_GND	O	-	-
	2	T2_24V_GND	O	-	-
	3	T2_24V	P	-	-
	4	T2_5V3_GND	O	-	-
	5	T2_5V	P	-	-
CN105	1	+24V_PSU9	P	-	-
	2	+24V_PUS9	P	-	-
	3	GND	G	-	-
	4	GND	G	-	-
CN106	1	ACSW_STAT_N	I	-	-
	2	GND	G	-	-
CN107	1	MPIRQSW1	I	-	-
	2	GND	G	-	-
	3	GND	G	-	-
	4	TSTHPSNUP	I	Detect (Home Position)	Not Detect
	5	+5V	P	-	-
	6	N.C.	N	-	-
	7	N.C.	N	-	-
	8	N.C.	N	-	-
	9	GND	G	-	-
	10	TSTORSNUF	I	Detect	Not Detect
	11	+5V	P	-	-
	12	GND	G	-	-
	13	TSTORSNUS	I	Detect	Not Detect
	14	+5V	P	-	-
	15	GND	G	-	-
	16	TSTHPSNUN	I	Detect (Home Position)	Not Detect
	17	+5V	P	-	-
	18	MPI_LE_LED-K	O	Off	On
	19	MPI_LE_LED-A	O	-	-
	20	N.C.	N	-	-
	21	GND	G	-	-
	22	TSTORSNDF	I	Detect	Not Detect
	23	+5V	P	-	-
	24	GND	G	-	-
	25	TSTORSNDS	I	Detect	Not Detect
	26	+5V	P	-	-
	27	N.C.	N	-	-
	28	N.C.	N	-	-
CN108	1	GND	G	-	-
	2	+5V	P	-	-
	3	MPICVMT_CLK	O	-	-
	4	MPICVMT_CW	O	CW	CCW
	5	MPICVMT_LOK_N	I	Error	Normal
	6	MPICVMT_STA_N	O	Stop	Start
	7	GND	G	-	-
	8	GND	G	-	-
	9	+24VS_PSU8_1	P	-	-
	10	+24VS_PSU8_1	P	-	-
CN109	1	+24V_PSU7_1	P	-	-
	2	CPACLFN1_LOK	I	Error	Normal
	3	GND	G	-	-
	4	CPACLFN1_PWM	O	-	-
	5	+24V_PSU7_1	P	-	-
	6	CPACLFN2_LOK	I	Error	Normal
	7	GND	G	-	-
	8	CPACLFN2_PWM	O	-	-
	9	+24V_PSU7_1	P	-	-
	10	CPACLFN3_LOK	I	Error	Normal
	11	GND	G	-	-
	12	CPACLFN3_PWM	O	-	-
	13	+24V_PSU7_1	P	-	-
	14	CPACLFN4_LOK	I	Error	Normal
	15	GND	G	-	-
	16	CPACLFN4_PWM	O	-	-
	17	+24V_PSU7_1	P	-	-
	18	CPACLFN5_LOK	I	Error	Normal
	19	GND	G	-	-
	20	CPACLFN5_PWM	O	-	-
	21	+24V_PSU7_1	P	-	-
	22	CPACLFN6_LOK	I	Error	Normal
	23	GND	G	-	-
	24	CPACLFN6_PWM	O	-	-
	25	+24V_PSU7_3	P	-	-
	26	CPACLFN7_LOK	I	Error	Normal
	27	GND	G	-	-
	28	CPACLFN7_PWM	O	-	-
	29	+24V_PSU7_3	P	-	-
	30	CPACLFN8_LOK	I	Error	Normal
	31	GND	G	-	-
	32	CPACLFN8_PWM	O	-	-
CN110	1	N.C.	N	-	-
	2	N.C.	N	-	-
	3	S_IOB2_D(24)	B	-	-
	4	S_IOB2_D(25)	B	-	-
	5	S_IOB2_D(26)	B	-	-
	6	S_IOB2_D(27)	B	-	-
	7	S_IOB2_D(28)	B	-	-
	8	S_IOB2_D(29)	B	-	-
	9	S_IOB2_D(30)	B	-	-
	10	S_IOB2_D(31)	B	-	-
	11	S_IOB2_RD_N	I	-	-
	12	S_IOB2_RDWR_N	I	-	-
	13	S_IOB2_VODKA_CS0_N	I	-	-
	14	S_IOB2_VODKA_CS1_N	I	-	-
	15	S_IOB2_VODKA_CS2_N	I	-	-
	16	N.C.	N	-	-
	17	S_IOB2_WS_N	I	-	-
	18	S_IOB2_A(0)	I	-	-
	19	S_IOB2_A(1)	I	-	-
	20	S_IOB2_A(2)	I	-	-
	21	S_IOB2_A(3)	I	-	-
	22	S_IOB2_A(4)	I	-	-
	23	S_IOB2_A(5)	I	-	-
	24	S_IOB2_A(6)	I	-	-
	25	S_IOB2_A(7)	I	-	-
	26	S_IOB2_A(8)	I	-	-
	27	S_IOB2_A(9)	I	-	-
	28	S_IOB2_A(10)	I	-	-
	29	S_IOB2_A(11)	I	-	-
	30	S_IOB2_A(12)	I	-	-
	31	S_IOB2_A(13)	I	-	-
	32	S_IOB2_A(14)	I	-	-
	33	S_IOB2_A(15)	I	-	-
	34	S_IOB2_A(16)	I	-	-
	35	S_IOB2_A(17)	I	-	-
	36	S_IOB2_A(18)	I	-	-
	37	S_IOB2_A(19)	I	-	-
	38	N.C.	N	-	-
	39	N.C.	N	-	-
	40	GND	G	-	-
CN111	1	ACSW_STAT_N	O	-	-
	2	IOB2_CVR_OPN	O	Open	Close
	3	IOB1_CVR_OPN	I	Open	Close
	4	VODKA_S6_INT	O	Interrupt	Not Interrupt
	5	VODKA_S5_INT	O	Interrupt	Not Interrupt
	6	VODKA_S4_INT	O	Interrupt	Not Interrupt
	7	IOB2_WAKE_N	O	Error	Normal
	8	IOB2_RST	I	Reset On	Reset Off
	9	RSTSER_N	I	Reset Off	Reset On
	10	IOB2_SER_RST	I	Reset On	Reset Off

IOB2 Pin Assign Information

Connector		Signal Information			
No.	Pin No.	Signal Name	Direction	H	L
CN116	1	+5V_PSU2	P	-	-
	2	GND	G	-	-
	3	+5VS	P	-	-
	4	N.C.	N	-	-
	5	IL_PSU6_8	P	-	-
	6	IL_PSU6_8	P	-	-
CN117	1	+24VS_PSU6	P	-	-
	2	+24VS_PSU6	P	-	-
	3	+24VS_PSU8	P	-	-
	4	+24VS_PSU8	P	-	-
	5	+24V_PSU7	P	-	-
	6	+24V_PSU7	P	-	-
	7	GND	G	-	-
	8	GND	G	-	-
	9	GND	G	-	-
	10	GND	G	-	-
	11	GND	G	-	-
	12	GND	G	-	-
CN118	1	GND	G	-	-
	2	N.C.	N	-	-
	3	N.C.	N	-	-
	4	N.C.	N	-	-
	5	N.C.	N	-	-
	6	N.C.	N	-	-
	7	N.C.	N	-	-
	8	N.C.	N	-	-
	9	N.C.	N	-	-
	10	N.C.	N	-	-
	11	FU_ID1_P	I	-	-
	12	FU_ID0_P	I	-	-
	13	GND	G	-	-
CN119	A1	N.C.	N	-	-
	A2	N.C.	N	-	-
	A3	N.C.	N	-	-
	A4	+5V	P	-	-
	A5	FRRCASN	I	Not Detect	Detect (Home Position)
	A6	GND	G	-	-
	A7	+5V	P	-	-
	A8	FFUEOSNBC	I	No Paper	Paper
	A9	GND	G	-	-
	A10	+5V	P	-	-
	A11	GND	G	-	-
	A12	FFUEOSNR	I	No Paper	Paper
	A13	+5V	P	-	-
	A14	GND	G	-	-
	A15	FFUEOSNF	I	No Paper	Paper
	A16	+5V	P	-	-
	A17	GND	G	-	-
	A18	FFUEOSNC	I	No Paper	Paper
	B1	N.C.	N	-	-
	B2	GND	G	-	-
	B3	FBL_TSEG_SN	I	-	-
	B4	GND	G	-	-
	B5	FCB_TS_SN	I	-	-
	B6	GND	G	-	-
	B7	FFH_TSEG_SN	I	-	-
	B8	+5V	P	-	-
	B9	GND	G	-	-
	B10	FBLPQSN	I	No Paper	Paper
	B11	+5V	P	-	-
	B12	FPCHPSNB	I	Detect (Home Position)	Not Detect
	B13	GND	G	-	-
	B14	+5V	P	-	-
	B15	FPCHPSNA	I	Detect (Home Position)	Not Detect
	B16	GND	G	-	-
	B17	FU_SET1_N	I	Not Set	Set
	B18	N.C.	N	-	-
CN120	A1	FFUDSMT_A	O	-	-
	A2	+24VS_PSU8_1	P	-	-
	A3	FFUDSMT_XA	O	-	-
	A4	FFUDSMT_B	O	-	-
	A5	+24VS_PSU8_1	P	-	-
	A6	FFUDSMT_XB	O	-	-
	A7	+24VS_PSU8_3	P	-	-
	A8	MSTOCSL	O	-	-
	A9	N.C.	N	-	-
	A10	N.C.	N	-	-
	A11	N.C.	N	-	-
	A12	N.C.	N	-	-
	A13	N.C.	N	-	-
	A14	N.C.	N	-	-
	B1	FRRCAMT_A	O	-	-
	B2	FRRCAMT_XA	O	-	-
	B3	FRRCAMT_XB	O	-	-
	B4	FRRCAMT_B	O	-	-
	B5	FRRDRMT_GA	O	Low Speed	High Speed
	B6	FRRDRMT_CLK	O	-	-
	B7	FRRDRMT_BRK_N	O	Brake Off	Brake On
	B8	FRRDRMT_CW	O	CW	CCW
	B9	FRRDRMT_STA_N	O	Stop	Start
	B10	FRRDRMT_LOK_N	I	Error	Normal
	B11	GND	G	-	-
	B12	GND	G	-	-
	B13	+24VS_PSU8_1	P	-	-
	B14	+24VS_PSU8_1	P	-	-
CN121	1	FFP_TSCT_SN-A	I	-	-
	2	+5VS_ID	P	-	-
	3	GND	G	-	-
	4	FFP_TSCT_SN	I	-	-
	5	FFP_TSEG_SN-A	I	-	-
	6	+5VS_ID	P	-	-
	7	GND	G	-	-
	8	FFP_TSEG_SN	I	-	-
	9	GND	G	-	-
	10	FWBEDSN	I	End	Not End
	11	+5V	P	-	-
	12	N.C.	N	-	-
	13	GND	G	-	-
	14	FWBCASN	I	Not Detect	Detect (Home Position)
	15	+5V	P	-	-
	16	GND	G	-	-
	17	FWBSTSN_N	I	Not Set	Set
	18	+5V	P	-	-

IOB2 Pin Assign Information

Connector		Signal Information			
No.	Pin No.	Signal Name	Direction	H	L
CN122	1	FU_SET3_N	I	Not Set	Set
	2	GND	G	-	-
	3	FFPSFFN1_PWM	O	-	-
	4	FFPSFFN1_LOK	I	-	-
	5	+24VS_PSU8_4	P	-	-
	6	GND	G	-	-
	7	FFPSFFN2_PWM	O	-	-
	8	FFPSFFN2_LOK	I	-	-
	9	+24VS_PSU8_4	P	-	-
	10	GND	G	-	-
	11	FFPSFFN3_PWM	O	-	-
	12	FFPSFFN3_LOK	I	-	-
	13	+24VS_PSU8_2	P	-	-
	14	N.C.	N	-	-
	15	GND	G	-	-
	16	+24VS_FWBCEMT	P	-	-
	17	FWBCEMT_A	O	-	-
	18	FWBCEMT_XA	O	-	-
	19	FWBCEMT_B	O	-	-
	20	FWBCEMT_XB	O	-	-
	21	FWBCAMT_A	O	-	-
	22	FWBCAMT_XA	O	-	-
	23	FWBCAMT_XB	O	-	-
	24	FWBCAMT_B	O	-	-
	25	N.C.	N	-	-
	26	N.C.	N	-	-
	27	N.C.	N	-	-
	28	N.C.	N	-	-
CN123	1	ZPESNF_NMI	O	Reset Off	Reset On
	2	N.C.	O	-	-
	3	+5VS_ID	P	-	-
	4	N.C.	O	-	-
	5	N.C.	I	-	-
	6	GND	G	-	-
	7	N.C.	O	-	-
	8	ZPESNF_TXD0	O	-	-
	9	ZPESNF_RXD0	I	-	-
	10	+3.3V	P	-	-
	11	ZPESNR_NMI	O	Reset Off	Reset On
	12	N.C.	O	-	-
	13	+5VS_ID	P	-	-
	14	N.C.	O	-	-
	15	N.C.	I	-	-
	16	GND	G	-	-
	17	N.C.	O	-	-
	18	ZPESNR_TXD0	O	-	-
	19	ZPESNR_RXD0	I	-	-
	20	+3.3V	P	-	-
CN124	1	FFUDRMT_GA	O	High Speed	Low Speed
	2	FFUDRMT_LOK_N	I	Error	Normal
	3	FFUDRMT_BRK	O	Brake On	Brake Off
	4	FFUDRMT_STA_N	O	Stop	Start
	5	FFUDRMT_CLK	O	-	-
	6	GND	G	-	-
CN125	1	N.C.	N	-	-
	2	CTFDRMT2_B	O	-	-
	3	CTFDRMT2_A	O	-	-
	4	CTFDRMT2_XB	O	-	-
	5	CTFDRMT2_XA	O	-	-
	6	N.C.	N	-	-
	7	+24VS_PSU8_2	P	-	-
	8	CTFBQFN5_LOK	I	Error	Normal
	9	CTFBQFN5_7	G	Off	On
	10	+24VS_PSU8_2	P	-	-
	11	CTFBQFN6_LOK	I	Error	Normal
	12	CTFBQFN5_7	G	Off	On
	13	+24VS_PSU8_2	P	-	-
	14	CTFBQFN7_LOK	I	Error	Normal
	15	CTFBQFN5_7	G	Off	On
	16	+24VS_PSU8_2	P	-	-
	17	CTFBQFN8_LOK	I	Error	Normal
	18	CTFBQFN8_12	G	Off	On
	19	+24VS_PSU8_2	P	-	-
	20	CTFBQFN11_LOK	I	Error	Normal
	21	CTFBQFN8_12	G	Off	On
	22	+24VS_PSU8_2	P	-	-
	23	CTFBQFN12_LOK	I	Error	Normal
	24	CTFBQFN8_12	G	Off	On
CN126	1	GND	G	-	-
	2	RDPCVSN1_N	I	No Paper	Paper
	3	+5V	P	-	-
	4	GND	G	-	-
	5	RDPCVSN2_N	I	No Paper	Paper
	6	+5V	P	-	-
	7	GND	G	-	-
	8	CFDCVSN1_N	I	No Paper	Paper
	9	+5V	P	-	-
	10	GND	G	-	-
	11	CFDCVSN2_N	I	No Paper	Paper
	12	+5V	P	-	-
	13	GND	G	-	-
	14	CFDCVSN3_N	I	No Paper	Paper
	15	+5V	P	-	-
	16	CFDCVLE2_LED-K	O	Off	On
	17	CFDCVLE2_LED-A	O	-	-
	18	CFSPFLE_LED-K	O	Off	On
	19	CFSPFLE_LED-A	O	-	-
	20	N.C.	N	-	-
	21	GND	G	-	-
	22	CFSPFSN1_N	I	No Paper	Paper
	23	+5V	P	-	-
	24	GND	G	-	-
	25	CFSPFSN2_N	I	No Paper	Paper
	26	+5V	P	-	-
	27	GND	G	-	-
	28	CTFPVSN3_N	I	No Paper	Paper
	29	+5V	P	-	-
	30	GND	G	-	-
	31	CTFPVSN4_N	I	No Paper	Paper
	32	+5V	P	-	-
	33	FFH_TS_SN-A	I	-	-
	34	+5VS_ID	P	-	-
	35	GND	G	-	-
	36	FFH_TS_SN	I	-	-
	37	FFUINLE_LED-K	O	Off	On
	38	FFUINLE_LED-A	O	-	-
	39	FFU_LE_LED-K	O	Off	On
	40	FFU_LE_LED-A	O	-	-

IOB2 Pin Assign Information

Connector		Signal Information			
No.	Pin No.	Signal Name	Direction	H	L
CN127	1	+24V_PSU9_1	P		
	2	MMIDCFN_LOK	I	Error	Normal
	3	MMIDCFN	G	Off	On
	4	+24V_PSU9_1	P	-	-
	5	FFPEFFN1_LOK	I	Error	Normal
	6	GND	G	-	-
	7	FFPEFFN1_PWM	O	-	-
	8	+24V_PSU9_1	P	-	-
	9	REXMCFN_LOK	I	Error	Normal
	10	REXMCFN_BDCMCFN	G	Off	On
	11	N.C.	N	-	-
	12	N.C.	N	-	-
	13	+24V_PSU9_1	P	-	-
	14	BDCMCFN_LOK	I	Error	Normal
	15	REXMCFN_BDCMCFN	G	Off	On
	16	+24V_PSU9_1	P	-	-
	17	MMIEHFN5_LOK	I	Error	Normal
	18	MMIEHFN5_7	G	Off	On
	19	+24V_PSU9_1	P	-	-
	20	MMIEHFN6_LOK	I	Error	Normal
	21	MMIEHFN5_7	G	Off	On
	22	+24V_PSU9_1	P	-	-
	23	MMIEHFN7_LOK	I	Error	Normal
	24	MMIFN5_7	G	Off	On
CN128	1	CFSPFMT_A	O	-	-
	2	+24VS_PSU6_5	P	-	-
	3	CFSPFMT_XA	O	-	-
	4	CFSPFMT_B	O	-	-
	5	+24VS_PSU6_5	P	-	-
	6	CFSPFMT_XB	O	-	-
	7	N.C.	N	-	-
CN129	A1	CFDCVMT1_A	O	-	-
	A2	+24VS_PSU6_4	P	-	-
	A3	CFDCVMT1_XA	O	-	-
	A4	CFDCVMT1_B	O	-	-
	A5	+24VS_PSU6_4	P	-	-
	A6	CFDCVMT1_XB	O	-	-
	A7	N.C.	N	-	-
	A8	N.C.	N	-	-
	A9	N.C.	N	-	-
	A10	N.C.	N	-	-
	A11	N.C.	N	-	-
	A12	N.C.	N	-	-
	B1	RDPCVMT1_A	O	-	-
	B2	+24VS_PSU6_4	P	-	-
	B3	RDPCVMT1_XA	O	-	-
	B4	RDPCVMT1_B	O	-	-
	B5	+24VS_PSU6_4	P	-	-
	B6	RDPCVMT1_XB	O	-	-
	B7	RDPCVMT2_A	O	-	-
	B8	+24VS_PSU6_4	P	-	-
	B9	RDPCVMT2_XA	O	-	-
	B10	RDPCVMT2_B	O	-	-
	B11	+24VS_PSU6_4	P	-	-
	B12	RDPCVMT2_XB	O	-	-
CN130	1	CFDCVMT2_A	O	-	-
	2	+24VS_PSU6_5	P	-	-
	3	CFDCVMT2_XA	O	-	-
	4	CFDCVMT2_B	O	-	-
	5	+24VS_PSU6_5	P	-	-
	6	CFDCVMT2_XB	O	-	-
	7	CFDCVMT3_A	O	-	-
	8	+24VS_PSU6_5	P	-	-
	9	CFDCVMT3_XA	O	-	-
	10	CFDCVMT3_B	O	-	-
	11	+24VS_PSU6_5	P	-	-
	12	CFDCVMT3_XB	O	-	-
CN131	A1	GND	G	-	-
	A2	CFSSZSN1	I	Interrupt	Not Interrupt
	A3	+5V	P	-	-
	A4	GND	G	-	-
	A5	CFSSZSN2	I	Interrupt	Not Interrupt
	A6	+5V	P	-	-
	A7	GND	G		
	A8	CFSSZSN3	I	Interrupt	Not Interrupt
	A9	+5V	P		
	A10	GND	G	-	-
	A11	CFSSZSN4	I	Interrupt	Not Interrupt
	A12	+5V	P	-	-
	B1	GND	G	-	-
	B2	CF2_SS	I	Not Set	Set
	B3	+5V_LE2	O	-	-
	B4	CFSLE1	O	Off	On
	B5	GND	G	-	-
	B6	CFSSLSN1	I	Interrupt	Not Interrupt
	B7	+5V	P	-	-
	B8	GND	G	-	-
	B9	CFSSLSN2	I	Interrupt	Not Interrupt
	B10	+5V	P	-	-
	B11	N.C.	N	-	-
	B12	N.C.	N	-	-
CN132	1	+24VS_PSU9_2	P	-	-
	2	+24VS_PSU9_4	P	-	-
	3	+24VS_PSU9_9	P	-	-
	4	+24VS_TRAY	P	-	-
	5	GND	G	-	-
	6	GND	G	-	-
CN133	1	+5V	P	-	-
	2	CF2BL_SS	I	Not Set	Set
	3	CFSPESN	I	No Paper	Paper
	4	N.C.	N	-	-
	5	CFSBQSN	I	No Paper	Paper
	6	GND	G	-	-
	7	GND	G	-	-
	8	CFSOLSN	I	Interrupt	Not Interrupt
	9	+5V	P	-	-
	10	GND	G	-	-
	11	CF2_SS2	I	Not Set	Set
	12	GND	G	-	-
	13	CFSULSN1	I	No Paper	Paper
	14	+5V	P	-	-
	15	GND	G	-	-
	16	CFSULSN2	I	No Paper	Paper
	17	+5V	P	-	-
CN134	1	GND	G	-	-
	2	CFSBQFN1_PWM	O	-	-
	3	CFSBQFN1_LOK	I	Error	Normal
	4	+24VS_PSU9_3	P	-	-
	5	GND	G	-	-
	6	CFSBQFN2_PWM	O	-	-
	7	CFSBQFN2_LOK	I	Error	Normal
	8	+24VS_PSU9_3	P	-	-
CN135	1	CFSFDMT_A	O	-	-
	2	+24VS_TRAY	P	-	-
	3	CFSFDMT_XA	O	-	-
	4	CFSFDMT_B	O	-	-
	5	+24VS_TRAY	P	-	-
	6	CFSFDMT_XB	O	-	-
	7	CFSUDMT_A	O	-	-
	8	CFSUDMT_XA	O	-	-
	9	CFSUDMT_B	O	-	-
	10	CFSUDMT_XB	O	-	-

IOB2 Pin Assign Information

Connector		Signal Information			
No.	Pin No.	Signal Name	Direction	H	L
CN136	1	CFSCVMT_A	O	-	-
	2	+24V_PSU9_2	P	-	-
	3	CFSCVMT_XA	O	-	-
	4	CFSCVMT_B	O	-	-
	5	+24V_PSU9_2	P	-	-
	6	CFSCVMT_XB	O	-	-
CN137	1	MPILCPU_ON	P	-	-
	2	MPILCPU_ENC	I	-	-
	3	GND	G	-	-
CN138	1	BDCPZMT1_EN_N	O	Excitation Off	Excitation On
	2	BDCPZMT1_CCW	O	CCW	CW
	3	BDCPZMT1_CLK	O	-	-
	4	BDCPZMT1_HL	O	Current Low	Current High
	5	BDCPZMT2_EN_N	O	Excitation Off	Excitation On
	6	BDCPZMT2_CCW	O	CCW	CW
	7	BDCPZMT2_CLK	O	-	-
	8	BDCPZMT2_HL	O	Current Low	Current High
	9	BDCCVMT2_EN_N	O	Excitation Off	Excitation On
	10	BDCCVMT2_CLK	O	-	-
	11	BDCCVMT2_HL	O	Current Low	Current High
	12	BDCCVMT1_EN_N	O	Excitation Off	Excitation On
	13	BDCCVMT1_CLK	O	-	-
	14	BDCCVMT1_HL	O	Current Low	Current High
	15	EEX_MT_EN_N	O	Excitation Off	Excitation On
	16	EEX_MT_CLK	O	-	-
	17	EEX_MT_HL	O	Current Low	Current High
	18	RRVINMT_EN	O	Excitation Off	Excitation On
	19	RRVINMT_CLK	O	-	-
	20	RRVINMT_HL	O	Current Low	Current High
	21	EEXRVMT_EN_N	O	Excitation Off	Excitation On
	22	EEXRVMT_CCW	O	CCW	CW
	23	EEXRVMT_CLK	O	-	-
	24	EEXRVMT_HL	O	Current Low	Current High
	25	RDR_MT_EN_N	O	Excitation Off	Excitation On
	26	RDR_MT_CCW	O	CCW	CW
	27	RDR_MT_CLK	O	-	-
	28	RDR_MT_HL	O	Current Low	Current High
	29	EERCAMT_EN_N	O	Excitation Off	Excitation On
	30	EERCAMT_CLK	O	-	-
	31	EERCAMT_HL	O	Current Low	Current High
	32	EEC_MT_EN_N	O	Excitation Off	Excitation On
	33	EEC_MT_CLK	O	-	-
	34	EEC_MT_HL	O	Current Low	Current High
	35	RRRCAMT_EN_N	O	Excitation Off	Excitation On
	36	RRRCAMT_CLK	O	-	-
	37	RRRCAMT_HL	O	Current Low	Current High
	38	RRC_SL_ON_N	O	Off	On
	39	EEXCASL_ON_N	O	Off	On
	40	RESET_SDB	O	Reset On	Reset Off
CN139	1	+5V	P	-	-
	2	+5V	P	-	-
	3	BDC_LE_LED-K	O	Off	On
	4	EEX_LE_LED-K	O	Off	On
	5	REX_LE_LED-K	O	Off	On
	6	RDR_LE_LED-K	O	Off	On
	7	CFDCVLE1_LED-K	O	Off	On
	8	EPT_LE_LED-K	O	Off	On
	9	BDCPZMT1_FLG	I	Error	Normal
	10	BDCPZMT2_FLG	I	Error	Normal
	11	BDCCVMT2_FLG	I	Error	Normal
	12	BDCCVMT1_FLG	I	Error	Normal
	13	EEX_MT__FLG	I	Error	Normal
	14	RRVINMT_FLG	I	Error	Normal
	15	EEXRVMT_FLG	I	Error	Normal
	16	RDR_MT_FLG	I	Error	Normal
	17	EERCAMT_FLG	I	Error	Normal
	18	EEC_MT_FLG	I	Error	Normal
	19	RRRCAMT_FLG	I	Error	Normal
	20	N.C.	N	-	-
	21	DET_+24VS_SDB1	I	Error	Normal
	22	DET_+24VS_SDB2	I	Error	Normal
	23	DET_+24VS_SDB3	I	Error	Normal
	24	SDB_CLFN_N	G	Off	On
	25	SDB_CLFN_LK	I	Error	Normal
	26	BDCINSN_N	I	No Paper	Paper
	27	BDCOUSN_N	I	No Paper	Paper
	28	BDCHPSN1	I	Detect (Home Position)	Not Detect
	29	BDCHPSN2	I	Detect (Home Position)	Not Detect
	30	EEX_SN_N	I	No Paper	Paper
	31	EEXRVSN_N	I	No Paper	Paper
	32	RDR_SN_N	I	No Paper	Paper
	33	EERHPSN	I	Detect (Home Position)	Not Detect
	34	RRRHPSN	I	Detect (Home Position)	Not Detect
	35	EECHPSN	I	Detect (Home Position)	Not Detect
	36	EPTPQSN	I	Paper	No Paper
	37	GND	G	-	-
	38	GND	G	-	-
CN140	1	BDCPZMT1_REF	O	-	-
	2	BDCPZMT2_REF	O	-	-
	3	BDCCVMT2_REF	O	-	-
	4	BDCCVMT1_REF	O	-	-
	5	EEX_MT_REF	O	-	-
	6	RRVINMT_REF	O	-	-
	7	EEXRVMT_REF	O	-	-
	8	RDR_MT_REF	O	-	-
	9	EERCAMT_REF	O	-	-
	10	EEC_MT_REF	O	-	-
	11	RRRCAMT_REF	O	-	-
CN141	1	GND	G	-	-
	2	CFSFDSN	I	No Paper	Paper
	3	+5V	P	-	-
	4	CFSFTFN_PWM	O	-	-
	5	CFSFTFN_LOK	I	-	-
	6	CFSSEFN_PWM	O	-	-
	7	CFSSEFN_LOK	I	-	-
	8	CE2SEFNFR_PWM	O	-	-
	9	CE2SEFNFR_LOK	I	-	-
	10	CE2SEFNBC_PWM	O	-	-
	11	CE2SEFNBC_LOK	I	-	-
	12	GND	G	-	-
	13	CSFRQSNLS	I	Interrupt	Not Interrupt
	14	+5V	P	-	-
	15	GND	G	-	-
	16	CFSRQSNM	I	Interrupt	Not Interrupt
	17	+5V	P	-	-
	18	GND	G	-	-
	19	CFSLLSN	I	Interrupt	Not Interrupt
	20	+5V	P	-	-

IOB2 Pin Assign Information

Connector		Signal Information			
No.	Pin No.	Signal Name	Direction	H	L
CN142	1	+24V_CNT	O	-	-
	2	KMT_CT2	O	-	-
	3	N.C.	N	-	-
	4	N.C.	N	-	-
	5	+24V_PSU9_1	P	-	-
	6	QPS_FN7_LOK	I	Error	Normal
	7	QPS_FN7_8	G	Off	On
	8	+24V_PSU9_1	P	-	-
	9	QPS_FN8_LOK	I	Error	Normal
	10	QPS_FN7_8	G	Off	On
	11	+24V_PSU9_1	P	-	-
	12	QPS_FN9_LOK	I	Error	Normal
	13	QPS_FN9_10	G	Off	On
	14	+24V_PSU9_1	P	-	-
	15	QPS_FN10_LOK	I	Error	Normal
	16	QPS_FN9_10	G	Off	On
CN143	1	+5V_NRYF3_4	P	-	-
	2	F_PSU2_ON_N	I	Relay Off	Relay On
	3	+5V_NRYF3_4	P	-	-
	4	F_PSU_ON_N	I	Relay Off	Relay On
	5	PSU6_24VS_ENB_N	O	Off	On
	6	GND	G	-	-
	7	PSU7_24V_TRG_N	O	Off	On
	8	GND	G	-	-
	9	PSU8_24VS_ENB_N	O	Off	On
	10	GND	G	-	-
	11	PSU9_24V_TRG_N	O	Off	On
	12	GND	G	-	-
	13	N.C.	N	-	-
	14	N.C.	N	-	-
	15	N.C.	N	-	-
CN144	1	GND	G	-	-
	2	N.C.	N	-	-
	3	TTRG_24V	O	-	-
	4	N.C.	N	-	-
	5	N.C.	N	-	-
	6	T2_24V	O	-	-
	7	AC_PRY_TRG	O	Relay On	Relay Off
	8	N.C.	N	-	-
	9	AC_PRY_TRG2	O	Relay Off	Relay On
	10	N.C.	N	-	-
	11	+24V_PSU9_1	P	-	-
	12	AC_JRY_TRG	O	Relay On	Relay Off
	13	+5V	P	-	-
	14	ACD1_AC_ZEROX	I	-	-
	15	GND	G	-	-
	16	ACD1_AC_HT_TRG1	O	Heater On	Heater Off
	17	N.C.	N	-	-
	18	N.C.	N	-	-
	19	N.C.	N	-	-
	20	ACD1_AC_HT_TRG5	O	Heater On	Heater Off
	21	GND	G	-	-
	22	N.C.	N	-	-
	23	TTRG_24V	O	-	-
	24	N.C.	N	-	-
	25	N.C.	N	-	-
	26	T2_24V	O	-	-
	27	AC_PRY_TRG	O	Relay On	Relay Off
	28	N.C.	N	-	-
	29	AC_PRY_TRG2	O	Relay Off	Relay On
	30	ACD2_AC_DET	I	-	-
	31	+24V_PSU9_1	P	-	-
	32	AC_JRY_TRG	O	Relay On	Relay Off
	33	+5V	P	-	-
	34	ACD2_AC_ZEROX	I	-	-
	35	GND	G	-	-
	36	ACD2_AC_HT_TRG1	O	Heater On	Heater Off
	37	N.C.	N	-	-
	38	ACD2_AC_HT_TRG3	O	Heater On	Heater Off
	39	N.C.	N	-	-
	40	ACD2_AC_HT_TRG5	O	Heater On	Heater Off
CN145	1	+5VS	P	-	-
	2	GND	G	-	-
	3	N.C.	N	-	-
	4	IOB1_GND	O	-	-
	5	IOB1_+5VS	I	-	-
CN146	1	TSTDRMTUP_A	O	-	-
	2	TSTDRMTUP_XA	O	-	-
	3	N.C.	N	-	-
	4	TSTDRMTUP_B	O	-	-
	5	TSTDRMTUP_XB	O	-	-
	6	TSTDRMTUN_A	O	-	-
	7	TSTDRMTUN_XA	O	-	-
	8	N.C.	N	-	-
	9	TSTDRMTUN_B	O	-	-
	10	TSTDRMTUN_XB	O	-	-
CN147	1	+5V	P	-	-
	2	+5V	P	-	-
	3	+5V	P	-	-
	4	RXD_RPPI	O	-	-
	5	N.C.	N	-	-
	6	TXD_RPPI	I	-	-
	7	GND	G	-	-
	8	GND	G	-	-
	9	GND	G	-	-
CN148	1	N.C.	N	-	-
	2	N.C.	N	-	-
	3	N.C.	N	-	-
	4	N.C.	N	-	-
	5	N.C.	N	-	-
	6	N.C.	N	-	-
	7	CFSFTSL	O	-	-
	8	+24V_PSU9_7	O	-	-
	9	CE2SESLFR	O	-	-
	10	+24V_PSU9_8	O	-	-
	11	CE2SESLBC	O	-	-
	12	+24V_PSU9_8	O	-	-

BCU Pin Assign Information

Connector		Signal Information			
No.	Pin No.	Signal Name	Direction	H	L
CN202	1	M_IOB_WAKE	I	Normal	Error
	2	GND	G	-	-
	3	TP_AN1	I	-	-
	4	TP_AN3	I	-	-
	5	TP_AN5	I	-	-
	6	TP_AN7	I	-	-
	7	M_VODKA_INT2_P	I	-	-
	8	M_IOBRDWR_N	O	-	-
	9	M_IOBWS_N	O	-	-
	10	M_VODKA_CS3_N	O	-	-
	11	M_IOBFPGA_CONFCS_N	O	-	-
	12	M_IOB_DATA(30)	B	-	-
	13	M_IOB_DATA(28)	B	-	-
	14	M_IOB_DATA(26)	B	-	-
	15	M_IOB_DATA(24)	B	-	-
	16	M_IOB_AD(20)	O	-	-
	17	M_IOB_AD(18)	O	-	-
	18	M_IOB_AD(16)	O	-	-
	19	M_IOB_AD(14)	O	-	-
	20	M_IOB_AD(12)	O	-	-
	21	M_IOB_AD(10)	O	-	-
	22	M_IOB_AD(8)	O	-	-
	23	M_IOB_AD(6)	O	-	-
	24	M_IOB_AD(4)	O	-	-
	25	M_IOB_AD(2)	O	-	-
	26	M_IOB_AD(0)	O	-	-
	27	S_ALE_N	O	-	-
	28	S_VODKA_INT2_P	I	-	-
	29	S_VODKA_CS4_N	O	-	-
	30	S_VODKA_CS2_N	O	-	-
	31	S_IOBWS_N	O	-	-
	32	S_IOB_DATA(30)	B	-	-
	33	S_IOB_DATA(28)	B	-	-
	34	S_IOB_DATA(26)	B	-	-
	35	S_IOB_DATA(24)	B	-	-
	36	S_IOB_AD(20)	G	-	-
	37	S_IOB_AD(18)	O	-	-
	38	S_IOB_AD(16)	O	-	-
	39	S_IOB_AD(14)	O	-	-
	40	S_IOB_AD(12)	O	-	-
	41	S_IOB_AD(10)	O	-	-
	42	S_IOB_AD(8)	O	-	-
	43	S_IOB_AD(6)	O	-	-
	44	S_IOB_AD(4)	O	-	-
	45	S_IOB_AD(2)	O	-	-
	46	S_IOB_AD(0)	O	-	-
	47	S_IOB_AD(2)	O	-	-
	48	S_IOB_AD(0)	G	-	-
	49	FFUIDSDA	N	-	-
	50	S_IOB_RST	O	-	-
	51	M_IOB_RST	O	-	-
	52	TAGIDSCL	G	-	-
	53	TP_AN0	I	-	-
	54	TP_AN2	I	-	-
	55	TP_AN4	I	-	-
	56	TP_AN6	I	-	-
	57	M_VODKA_INT3_P	I	-	-
	58	M_IOBRD_N	O	-	-
	59	M_VODKA_CS2_N	O	-	-
	60	M_IOBFPGA_CS_N	O	-	-
	61	M_IOB_DATA(31)	B	-	-
	62	M_IOB_DATA(29)	B	-	-
	63	M_IOB_DATA(27)	B	-	-
	64	M_IOB_DATA(25)	B	-	-
	65	M_IOB_AD(21)	O	-	-
	66	M_IOB_AD(19)	O	-	-
	67	M_IOB_AD(17)	O	-	-
	68	M_IOB_AD(15)	O	-	-
	69	M_IOB_AD(13)	O	-	-
	70	M_IOB_AD(11)	O	-	-
	71	M_IOB_AD(9)	O	-	-
	72	M_IOB_AD(7)	O	-	-
	73	M_IOB_AD(5)	O	-	-
	74	M_IOB_AD(3)	O	-	-
	75	M_IOB_AD(1)	O	-	-
	76	IOB_FPGA_DREQ1_N	I	-	-
	77	S_VODKA_INT3_P	I	-	-
	78	S_IOBFPGA_CS_N	O	-	-
	79	S_VODKA_CS3_N	O	-	-
	80	S_IOBRD_N	O	-	-
	81	S_RDWR_N	O	-	-
	82	S_IOB_DATA(31)	B	-	-
	83	S_IOB_DATA(29)	B	-	-
	84	S_IOB_DATA(27)	B	-	-
	85	S_IOB_DATA(25)	B	-	-
	86	GND	G	-	-
	87	S_IOB_AD(21)	O	-	-
	88	S_IOB_AD(19)	O	-	-
	89	S_IOB_AD(17)	O	-	-
	90	S_IOB_AD(15)	O	-	-
	91	S_IOB_AD(13)	O	-	-
	92	S_IOB_AD(11)	O	-	-
	93	S_IOB_AD(9)	O	-	-
	94	S_IOB_AD(7)	O	-	-
	95	S_IOB_AD(5)	O	-	-
	96	S_IOB_AD(3)	O	-	-
	97	S_IOB_AD(1)	O	-	-
	98	GND	G	-	-
	99	FFUIDSCL	N	-	-
	100	S_IOB_WAKE	I	Normal	Error
CN203	1	IPU_D(16)	B	-	-
	2	IPU_D(17)	B	-	-
	3	IPU_D(18)	B	-	-
	4	IPU_D(19)	B	-	-
	5	IPU_D(20)	B	-	-
	6	IPU_D(21)	B	-	-
	7	IPU_D(22)	B	-	-
	8	IPU_D(23)	B	-	-
	9	IPU_D(24)	B	-	-
	10	IPU_D(25)	B	-	-
	11	IPU_D(26)	B	-	-
	12	IPU_D(27)	B	-	-
	13	IPU_D(28)	B	-	-
	14	IPU_D(29)	B	-	-
	15	IPU_D(30)	B	-	-
	16	IPU_D(31)	B	-	-
	17	IPU_RD_N	O	-	-
	18	IPU_CS2_N	O	-	-
	19	IPU_RDWR_N	O	-	-
	20	IPU_CS1_N	O	-	-
	21	IPU_CS0_N	O	-	-
	22	IPU_WS_N	O	-	-
	23	IPU_A(1)	O	-	-
	24	IPU_A(2)	O	-	-
	25	IPU_A(3)	O	-	-
	26	IPU_A(4)	O	-	-
	27	IPU_A(5)	O	-	-
	28	IPU_A(6)	O	-	-
	29	IPU_A(7)	O	-	-
	30	IPU_A(8)	O	-	-
	31	IPU_A(9)	O	-	-
	32	IPU_A(10)	O	-	-
	33	IPU_A(11)	O	-	-
	34	IPU_A(12)	O	-	-
	35	IPU_A(13)	O	-	-
	36	IPU_A(14)	O	-	-
	37	IPU_A(15)	O	-	-
	38	IPU_A(16)	O	-	-
	39	IPU_A(17)	O	-	-
	40	GND	G	-	-

BCU Pin Assign Information

Connector		Signal Information			
No.	Pin No.	Signal Name	Direction	H	L
CN204	1	M2P_RST	O	-	-
	2	S2M_RST	O	-	-
	3	IPU_INT_N	I	-	-
	4	GND	G	-	-
	5	TIMERUP0_N	I	-	-
	6	TIMERUP1_N	I	-	-
	7	ENGENABLE_N	I	-	-
	8	FUKKI	I	-	-
	9	GND	G	-	-
	10	VPFGATE_K_N	I	-	-
	11	VPFGATE_S_N	N	-	-
	12	ADF_RXD	I	-	-
	13	ADF_TXD	O	-	-
	14	GND	G	-	-
	15	IPU_WAKE	I	Normal	Error
	16	PON_ENG	I	-	-
	17	ACSW_STAT_N	O	-	-
	18	PSU_ENB	O	-	-
CN211	1	WWR_TSY	O	-	-
	2	WWR_TSM	O	-	-
	3	WWR_TSC	O	-	-
	4	WWR_TSK	O	-	-
	5	GND	G	-	-
	6		I	-	-
	7	PON_ENG	O	-	-
	8	PSU_ENB	I	-	-
	9	ACSW_STAT_N	I	-	-
	10		O	-	-
	11		G	-	-
	12	TAGIDSCL	N	-	-
	13	TAGIDSDA	N	-	-
	14	OST_VCC	N	-	-
	15	OST_VCC	N	-	-
	16	ODVHPSNS	N	-	-
	17	PHRHPSNS	N	-	-
CN214	1		G	-	-
	2	SYDI_VTEC	I	-	-
	3	SYDO_VTEC	O	-	-
	4	SYCLK_VTEC	O	-	-
	5	GND	G	-	-
	6	SYCS_VTEC_K_N	O	-	-
	7	SYCS_VTEC_C_N	I	-	-
	8	SYCS_VTEC_M_N	I	-	-
	9	SYCS_VTEC_Y_N	I	-	-
	10	SYCS_VTEC_S_N	I	-	-
CN215	1	M_SPICS_SDCARD	O	-	-
	2	GND	G	-	-
	3	M_SO_SDCARD	O	-	-
	4	GND	G	-	-
	5	M_SCLK_SDCARD	O	-	-
	6	M_SI_SDCARD	I	-	-
	7	GND	G	-	-
	8	+3.3V	P	-	-
	9	S_SPICS_SDCARD	O	-	-
	10	GND	G	-	-
	11	S_SO_SDCARD	O	-	-
	12	GND	G	-	-
	13	S_SCLK_SDCARD	O	-	-
	14	S_SI_SDCARD	I	-	-
	15	GND	G	-	-
	16	+3.3V	P	-	-
CN221	1	N.C.	N	-	-
	2	PCG_PPM_LK	I	Error	Normal
	3	PCG_PPM_DC	O	-	-
	4	PCG_PPM_FB	I	Error	Normal
	5	PCG_PPM_AC	O	-	-
	6	PCG_PPY_LK	I	Error	Normal
	7	PCG_PPY_DC	O	-	-
	8	PCG_PPY_FB	I	Error	Normal
	9	PCG_PPY_AC	O	-	-
	10	GND	G	-	-
	11	GND	G	-	-
	12	+24VS	P	-	-
	13	+24VS	P	-	-
	14	N.C.	N	-	-
	15	ODV_PPM_LK	I	Error	Normal
	16	ODV_PPM_PWM	O	-	-
	17	ODV_PPM_CLK	I	Error	Normal
	18	ODV_PPM_AC	O	-	-
	19	ODV_PPY_LK	I	Error	Normal
	20	ODV_PPY_PWM	O	-	-
	21	ODV_PPY_CLK	I	Error	Normal
	22	ODV_PPY_AC	O	-	-
	23	GND	G	-	-
	24	GND	G	-	-
	25	+24VS	P	-	-
	26	+24VS	P	-	-
CN222	1	N.C.	N	-	-
	2	N.C.	N	-	-
	3	PCG_PPK_LK	I	Error	Normal
	4	PCG_PPK_DC	O	-	-
	5	PCG_PPK_FB	I	Error	Normal
	6	PCG_PPK_AC	O	-	-
	7	PCG_PPC_LK	I	Error	Normal
	8	PCG_PPC_DC	O	-	-
	9	PCG_PPC_FB	I	Error	Normal
	10	PCG_PPC_AC	O	-	-
	11	GND	G	-	-
	12	GND	G	-	-
	13	+24VS	P	-	-
	14	+24VS	P	-	-
	15	N.C.	N	-	-
	16	N.C.	N	-	-
	17	ODV_PPK_LK	I	Error	Normal
	18	ODV_PPK_PWM	O	-	-
	19	ODV_PPK_CLK	I	Error	Normal
	20	ODV_PPK_AC	O	-	-
	21	ODV_PPC_LK	I	Error	Normal
	22	ODV_PPC_PWM	O	-	-
	23	ODV_PPC_CLK	I	Error	Normal
	24	ODV_PPC_AC	O	-	-
	25	GND	G	-	-
	26	GND	G	-	-
	27	+24VS	P	-	-
	28	+24VS	P	-	-

BCU Pin Assign Information

Connector		Signal Information			
No.	Pin No.	Signal Name	Direction	H	L
CN223	1	OST_SCL_Y	I	-	-
	2	OST_SDA_Y	B	-	-
	3	OST_SNY_PWM	O	-	-
	4	OST_VCC	P	-	-
	5	OST_SNY_FB	I	-	-
	6	GND	G	-	-
	7	+24V_PCL	P	-	-
	8	PHR_PLY_PWM	O	-	-
	9	PMARQSWY	N	-	-
	10	GND	N	-	-
	11	OST_SCL_M	O	-	-
	12	OST_SDA_M	B	-	-
	13	OST_SNM_PWM	O	-	-
	14	OST_VCC	P	-	-
	15	OST_SNM_FB	I	-	-
	16	GND	G	-	-
	17	+24V_PCL	P	-	-
	18	PHR_PLM_PWM	O	-	-
	19	PMARQSWM	N	-	-
	20	GND	N	-	-
	21	OST_SCL_C	O	-	-
	22	OST_SDA_C	B	-	-
	23	OST_SNC_PWM	O	-	-
	24	OST_VCC	P	-	-
	25	OST_SNC_FB	I	-	-
	26	GND	G	-	-
	27	+24V_PCL	P	-	-
	28	PHR_PLC_PWM	O	-	-
	29	PMARQSWC	N	-	-
	30	GND	N	-	-
	31	OST_SCL_K	O	-	-
	32	OST_SDA_K	B	-	-
	33	OST_SNK_PWM	O	-	-
	34	OST_VCC	P	-	-
	35	OST_SNK_FB	I	-	-
	36	GND	G	-	-
	37	+24V_PCL	P	-	-
	38	PHR_PLK_PWM	O	-	-
	39	PMARQSWK	N	-	-
	40	GND	N	-	-
CN224	1	GND	G	-	-
	2	TT1_PPK_FB	I	-	-
	3	TT1_PPK_LK	I	Error	Normal
	4	TT1_PPK_PWM	O	-	-
	5	TT1_PPC_FB	I	-	-
	6	TT1_PPC_LK	I	Error	Normal
	7	TT1_PPC_PWM	O	-	-
	8	TT1_PPM_FB	I	-	-
	9	TT1_PPM_LK	I	Error	Normal
	10	TT1_PPM_PWM	O	-	-
	11	TT1_PPY_FB	I	-	-
	12	TT1_PPY_LK	I	Error	Normal
	13	TT1_PPY_PWM	O	-	-
	14	TT2_PP_FB	I	-	-
	15	TT2_PP_LK	I	Error	Normal
	16	TT2_PP_PWM_DC_CC	O	-	-
	17	TT2_PP_PWM_DC_CV	N	-	-
	18	TT2_PP_FB_C	N	-	-
	19	TT2_PP_CCCV	N	-	-
	20	TT2_PP_B_PWM_DC	N	-	-
	21	TT2_PP_DUTY_AC	N	-	-
	22	TT2_PP_AC_LK	N	-	-
	23	TT2_PP_PWM_AC	N	-	-
CN226	1	WWR_TSY	I	-	-
	2	GND	G	-	-
	3	WWRSKMTY_A-	O	-	-
	4	WWRSKMTY_B-	O	-	-
	5	+24V_SK_YM	P	-	-
	6	WWRSKMTY_B	O	-	-
	7	WWRSKMTY_A	O	-	-
	8	WWR_TSM	I	-	-
	9	GND	G	-	-
	10	WWRSKMTM_A-	O	-	-
	11	WWRSKMTM_B-	O	-	-
	12	+24V_SK_YM	P	-	-
	13	WWRSKMTM_B	O	-	-
	14	WWRSKMTM_A	O	-	-
	15	WWR_TSC	I	-	-
	16	GND	G	-	-
	17	WWRSKMTC_A-	O	-	-
	18	WWRSKMTC_B-	O	-	-
	19	+24V_SK_CK	P	-	-
	20	WWRSKMTC_B	O	-	-
	21	WWRSKMTC_A	O	-	-
	22	WWR_TSK	I	-	-
	23	GND	G	-	-
	24	WWRSKMTK_A-	O	-	-
	25	WWRSKMTK_B-	O	-	-
	26	+24V_SK_CK	P	-	-
	27	WWRSKMTK_B	O	-	-
	28	WWRSKMTK_A	O	-	-
CN227	1	+5V	P	-	-
	2	KEY_CRD_SET_N	I	Not Set	Set
	3	KEY_D1	O	-	-
	4	KEY_D2	O	-	-
	5	KEY_D3	O	-	-
	6	KEY_D4	O	-	-
	7	KEY_D5	O	-	-
	8	KEY_D6	O	-	-
	9	KEY_D7	O	-	-
	10	KEY_D8	O	-	-
	11	GND	G	-	-
	12	KEY_UP	O	-	-
	13	24V_CNT	P	-	-
	14	N.C.	N	-	-
	15	GND	G	-	-
	16	KEY_CNT_SET_N	I	-	-
	17	24V_CNT	P	-	-
	18	KEY_CNT_DRV	O	-	-
CN229	1	CGR_MT_EN	O	-	-
	2	CGR_MT_CLK	O	-	-
	3	CUNSHMT_EN	O	-	-
	4	CUNSHMT_CLK	O	-	-
	5	CUNSHMT_FR	O	-	-
	6	CUNSHMT_HL	O	-	-
	7	CUNSHMT_ER	I	Error	Normal
	8	CSR_MT_EN	O	-	-
	9	CSR_MT_CLK	O	-	-
	10	CSR_MT_HL	O	-	-
	11	CSR_MT_ER	I	Error	Normal
	12	CRGTIMT_EN	O	-	-
	13	CRGTIMT_CLK	O	-	-
	14	CRGTIMT_HL	O	-	-
	15	CRGTIMT_ER	I	Error	Normal
	16	CSUHPSN	I	Interrupt	Not Interrupt
	17	GND	G	-	-
	18	CGRHPSN	I	Interrupt	Not Interrupt
	19	CRGTISN	I	Interrupt	Not Interrupt
	20	CLRYSN2	N	-	-
	21	MHDRYSN3	N	-	-
	22	CLRYSN1	I	No Paper	Paper
	23	CRGINMT_EN	O	-	-
	24	CRGINMT_CLK	O	-	-
	25	CRGINMT_HL	O	-	-
	26	CRGINMT_ER	I	Error	Normal
	27	STM_MODE_DRB	O	-	-
	28	MHDRYSL2	O	-	-
	29	CLRYSL1	O	-	-
	30	MHDRYSL1	O	-	-
	31	MHDRYSN2	N	-	-
	32	CGR_MT_HL1	O	-	-
	33	CGR_MT_HL2	O	-	-
	34	CGR_MT_ER	I	Error	Normal

BCU Pin Assign Information

Connector		Signal Information			
No.	Pin No.	Signal Name	Direction	H	L
CN230	1	EEXRVMT_ER	I	Error	Normal
	2	EEXRVMT_HL	O	-	-
	3	EEXRVMT_FR	O	-	-
	4	EEXRVMT_CLK	O	-	-
	5	EEXRVMT_EN	O	-	-
	6	RDPRVMT_ER	I	Error	Normal
	7	RDPRVMT_HL	O	-	-
	8	RDPRVMT_FR	O	-	-
	9	RDPRVMT_CLK	O	-	-
	10	RDPRVMT_EN	O	-	-
	11	STM_MODE	O	-	-
	12	CRGCAMT_FR	O	-	-
	13	EEXRYMT_ER	I	Error	Normal
	14	EEXRYMT_HL	O	-	-
	15	EEXRYMT_CLK	O	-	-
	16	EEXRYMT_EN	O	-	-
	17	RDPCVMT1_ER	I	Error	Normal
	18	RDPCVMT1_HL	O	-	-
	19	RDPCVMT1_CLK	O	-	-
	20	RDPCVMT1_EN	O	-	-
	21	CRGINMT2_FR	O	-	-
	22	DET_TDCU_24VS1	I	Not Detect	Detect
CN231	1	TT_FGATE	O	-	-
	2	GND	G	-	-
	3	TTSTISN	N	-	-
	4	GND	G	-	-
	5	MOT_STOP2	O	-	-
	6	MOT_STOP1	O	-	-
	7	TPS_FN	O	-	-
	8	PHRHPSNS	N	-	-
	9	PHRHPSNK	I	Not Detect	Detect (Home Position)
	10	PHRHPSNC	I	Not Detect	Detect (Home Position)
	11	PHRHPSNM	I	Not Detect	Detect (Home Position)
	12	PHRHPSNY	I	Not Detect	Detect (Home Position)
	13	GND	G	-	-
	14	DOOROPEN	O	-	-
	15	GND	G	-	-
	16	TXD_TDCU_S	O	-	-
	17	RXD_TDCU_S	I	-	-
	18	TXD_TDCU_M	O	-	-
	19	RXD_TDCU_M	I	-	-
	20	GND	G	-	-
CN234	1	+5V	P	-	-
	2	GND	G	-	-
	3	+24V	P	-	-
	4	GND	G	-	-
	5	+24VS	P	-	-
CN236	1	TXD_LCT1	O	-	-
	2	GND	G	-	-
	3	RXD_LCT1	I	-	-
	4	TXD_LCT2	O	-	-
	5	GND	G	-	-
	6	RXD_LCT2	I	-	-
	7	TXD_LCT3	O	-	-
	8	GND	G	-	-
	9	RXD_LCT3	I	-	-

DRB Pin Assign Information

Connector		Signal Information			
No.	Pin No.	Signal Name	Direction	H	L
CN251	1	GND	G	-	-
	2	GND	G	-	-
	3	+5VS_DRB	P	-	-
	4	+5VS_DRB	P	-	-
	5	CRGTIMT_FLG	O	Error	Normal
	6	CRGTIMT_CC	I	Current Low	Current High
	7	CRGTIMT_EN_N	I	Excitation Off	Excitation On
	8	CRGTIMT_CLK	I	-	-
	9	CRO_MT_FLG	O	Error	Normal
	10	CRO_MT_CC1	I	-	-
	11	CRO_MT_CC2	I	-	-
	12	CRO_MT_EN_N	I	Excitation Off	Excitation On
	13	CRO_MT_CLK	I	-	-
	14	GND	G	-	-
	15	GND	G	-	-
	16	GND	G	-	-
	17	GND	G	-	-
	18	GND	G	-	-
	19	GND	G	-	-
	20	CRGDRW_A_CNCT1	I	-	-
	21	GND	G	-	-
	22	ZCRB1_LED1_R_CC	I	-	-
	23	ZCRB1_LED1_G_CC	I	-	-
	24	ZCRB1_LED1_B_CC	I	-	-
	25	ZCRB1_CIS_CLK	I	-	-
	26	ZCRB1_CIS_SYNC	I	-	-
	27	ZCRB1_CIS_MODE	I	-	-
	28	ZCRB1_COMP_TH_PWM	I	-	-
	29	ZCRB1_CIS_VOUT0	O	-	-
	30	ZCRB1_CIS_VOUT1	O	-	-
	31	ZCRB1_CIS_VOUT2	O	-	-
	32	GND	G	-	-
	33	GND	G	-	-
	34	GND	G	-	-
	35	ZCRB2_LED1_R_CC	I	-	-
	36	ZCRB2_LED1_G_CC	I	-	-
	37	ZCRB2_LED1_B_CC	I	-	-
	38	ZCRB2_CIS_CLK	I	-	-
	39	ZCRB2_CIS_SYNC	I	-	-
	40	CRGDRW_B_CNCT1	I	-	-
CN252	1	CSU_MT_FLG	O	Error	Normal
	2	CSU_MT_CC	I	Current Low	Current High
	3	CSU_MT_CCW	I	CCW	CW
	4	CSU_MT_EN_N	I	Excitation Off	Excitation On
	5	CSU_MT_CLK	I	-	-
	6	TTSTIMT_FLG	O	Error	Normal
	7	TTSTIMT_CC	I	Current Low	Current High
	8	TTSTIMT_EN_N	I	Excitation Off	Excitation On
	9	TTSTIMT_CLK	I	-	-
	10	ZURTB_OUT_-A	I	-	-
	11	ZURTB_OUT_A	I	-	-
	12	ZURTB_GAIN	I	-	-
	13	CRGRYSN_SNS_N	O	No Paper	Paper
	14	TTSTISN_SNS_N	O	No Paper	Paper
	15	CRGDRW_A_CNCT2	O	Not Set	Set
	16	ZCRB2_CIS_MODE	I	-	-
	17	ZCRB2_COMP_TH_PWM	I	-	-
	18	ZCRB2_CIS_VOUT0	O	-	-
	19	ZCRB2_CIS_VOUT1	O	-	-
	20	ZCRB2_CIS_VOUT2	O	-	-
	21	ZURRB_URB_GAIN	I	-	-
	22	ZURRB_CLR	I	Clear (discharge electric charge)	-
	23	ZURRB_DF	O	Not Double-Feed	Double-Feed
	24	ZURRB_SMODE_D	O	-	-
	25	TT2DSSN_SNS	O	Interrupt	Not Interrupt
	26	CRGTISN_SNS_N	O	No Paper	Paper
	27	CSUHPSN_SNS	O	Interrupt	Not Interrupt
	28	CROHPSN_SNS	O	Interrupt	Not Interrupt
	29	GND	G	-	-
	30	CRGDRW_B_CNCT2	O	Not Set	Set

DRB Pin Assign Information

Connector		Signal Information			
No.	Pin No.	Signal Name	Direction	H	L
CN253	1	+24VS_DRB1	P	-	-
	2	+24VS_DRB1	P	-	-
	3	+24VS_DRB1	P	-	-
	4	+24VS_DRB1	P	-	-
	5	+24VS_DRB1	P	-	-
	6	+24VS_DRB2	P	-	-
	7	+24VS_DRB2	P	-	-
	8	+24VS_DRB2	P	-	-
	9	+24VS_DRB2	P	-	-
	10	+24VS_DRB2	P	-	-
	11	GND	G	-	-
	12	GND	G	-	-
	13	GND	G	-	-
	14	GND	G	-	-
	15	GND	G	-	-
	16	GND	G	-	-
	17	GND	G	-	-
	18	GND	G	-	-
	19	GND	G	-	-
	20	GND	G	-	-
CN254	1	T2BDRMT_CW	I	CW	CCW
	2	T2BDRMT_GA	I	Low Speed Drive Set	High Speed Drive Set
	3	T2BDRMT_CLK	I	-	-
	4	T2BDRMT_LOK	O	Error	Normal
	5	T2BDRMT_STA_N	I	Disable	Enable
	6	CPASLEN_ENC-B	O	-	-
	7	CPASLEN_ENC-A	O	-	-
	8	CPASLEN2_ENC-B	O	-	-
	9	CPASLEN2_ENC-A	O	-	-
	10	RESET_DRB	I	Reset On	Reset Off
	11	N.C	N	-	-
	12	N.C	N	-	-
	13	ZTACT-SNS1_AO	O	-	-
	14	ZTACT-SNS1_DO	O	Paper	No Paper
	15	ZTACT-SNS1_LED_ON	I	-	-
	16	ZTACT-SNS2_AO	O	-	-
	17	ZTACT-SNS2_DO	O	Paper	No Paper
	18	ZTACT-SNS2_LED_ON	I	-	-
	19	STMREFDA_DO	O	-	-
	20	STMREFDA_DI	I	-	-
	21	STMREFDA_CLK	I	-	-
	22	STMREFDA_LD	I	-	-
	23	N.C	N	-	-
	24	CRG_CLFN_LOK	O	Error	Normal
CN255	1	GND	G	-	-
	2	GND	G	-	-
	3	+3.3VS_DRB	P	-	-
	4	+3.3VS_DRB	P	-	-
	5	TPSTPSNF_V-C	O	-	-
	6	TPSTPSNF_V-C2	O	-	-
	7	TPSTPSNF_L-C	I	-	-
	8	TPSTPSNK_V-C	O	-	-
	9	TPSTPSNK_V-C2	O	-	-
	10	TPSTPSNK_L-C	I	-	-
	11	TPSTPSNC_V-C	O	-	-
	12	TPSTPSNC_V-C2	O	-	-
	13	TPSTPSNC_L-C	I	-	-
	14	TPSTPSNM_V-C	O	-	-
	15	TPSTPSNM_V-C2	O	-	-
	16	TPSTPSNM_L-C	I	-	-
	17	TPSTPSNY_V-C	O	-	-
	18	TPSTPSNY_V-C2	O	-	-
	19	TPSTPSNY_L-C	I	-	-
	20	CRGDRW_C_CNCT1	I	-	-
CN256	1	CRGDRW_C_CNCT2	O	-	-
	2	GND	G	-	-
	3	TPSTPSNR_V-C	O	-	-
	4	TPSTPSNR_V-C2	O	-	-
	5	TPSTPSNR_L-C	I	-	-
	6	TT2DSSNLT_SNS	O	Interrupt	Not Interrupt
	7	TPS_CEFN_ON_N	I	Disable	Enable
	8	TPS_CEFN_LOK	O	Error	Normal
	9	N.C	N	-	-
	10	CCS_CEFN_LOK	O	Error	Normal
CN258	1	CRO_MT_A	O	-	-
	2	+24VS_DRB2	P	-	-
	3	CRO_MT_XA	O	-	-
	4	CRO_MT_B	O	-	-
	5	+24VS_DRB2	P	-	-
	6	CRO_MT_XB	O	-	-
	7	CRGTIMT_A	O	-	-
	8	+24VS_DRB1	P	-	-
	9	CRGTIMT_XA	O	-	-
	10	CRGTIMT_B	O	-	-
	11	+24VS_DRB1	P	-	-
	12	CRGTIMT_XB	O	-	-
CN259	1	TTSTIMT_A	O	-	-
	2	+24VS_DRB1	P	-	-
	3	TTSTIMT_XA	O	-	-
	4	TTSTIMT_B	O	-	-
	5	+24VS_DRB1	P	-	-
	6	TTSTIMT_XB	O	-	-
	7	CSU_MT_A	O	-	-
	8	+24VS_DRB1	P	-	-
	9	CSU_MT_XA	O	-	-
	10	CSU_MT_B	O	-	-
	11	+24VS_DRB1	P	-	-
	12	CSU_MT_XB	O	-	-
	13	N.C	N	-	-
CN260	1	ZCRB1_CIS_VOUT2	I	-	-
	2	ZCRB1_CIS_VOUT1	I	-	-
	3	ZCRB1_CIS_VOUT0	I	-	-
	4	+5VS_DRB	P	-	-
	5	ZCRB1_COMP_TH_PWM	O	-	-
	6	ZCRB1_CIS_MODE	O	-	-
	7	ZCRB1_CIS_SYNC	O	-	-
	8	ZCRB1_CIS_CLK	O	-	-
	9	GND	G	-	-
	10	ZCRB1_LED1_B_CC	O	-	-
	11	ZCRB1_LED1_G_CC	O	-	-
	12	ZCRB1_LED1_R_CC	O	-	-
	13	+24VS_DRB2	P	-	-
	14	N.C.	N	-	-
	15	ZCRB2_CIS_VOUT2	I	-	-
	16	ZCRB2_CIS_VOUT1	I	-	-
	17	ZCRB2_CIS_VOUT0	I	-	-
	18	+5VS_DRB	P	-	-
	19	ZCRB2_COMP_TH_PWM	O	-	-
	20	ZCRB2_CIS_MODE	O	-	-
	21	ZCRB2_CIS_SYNC	O	-	-
	22	ZCRB2_CIS_CLK	O	-	-
	23	GND	G	-	-
	24	ZCRB2_LED1_B_CC	O	-	-
	25	ZCRB2_LED1_G_CC	O	-	-
	26	ZCRB2_LED1_R_CC	O	-	-
	27	+24VS_DRB2	P	-	-
	28	N.C.	N	-	-

DRB Pin Assign Information

Connector		Signal Information			
No.	Pin No.	Signal Name	Direction	H	L
CN261	1	+5VS_DRB	P	-	-
	2	GND	G	-	-
	3	ZTACT-SNS1_LED_PWM	O	-	-
	4	ZTACT-SNS1_DO	I	Paper	No Paper
	5	ZTACT-SNS1_AO	I	-	-
	6	+5VS_DRB	P	-	-
	7	GND	G	-	-
	8	ZTACT-SNS2_LED_PWM	O	-	-
	9	ZTACT-SNS2_DO	I	Paper	No Paper
	10	ZTACT-SNS2_AO	I	-	-
	11	GND	G	-	-
	12	TTSTISN_SNS_N	I	No Paper	Paper
	13	+5VS_DRB	P	-	-
	14	GND	G	-	-
	15	CRGRYSN_SNS_N	I	No Paper	Paper
	16	+5VS_DRB	P	-	-
	17	GND	G	-	-
	18	RESERVE_SNS	I	-	-
	19	+5VS_DRB	P	-	-
	20	N.C.	N	-	-
	21	GND	G	-	-
	22	CRGTISN_SNS_N	I	No Paper	Paper
	23	+5VS_DRB	P	-	-
	24	GND	G	-	-
	25	CSUHPSN_SNS	I	Interrupt	Not Interrupt
	26	+5VS_DRB	P	-	-
	27	GND	G	-	-
	28	TT2DSSN_SNS	I	Interrupt	Not Interrupt
	29	+5VS_DRB	P	-	-
	30	GND	G	-	-
	31	CROHPSN_SNS	I	Interrupt	Not Interrupt
	32	+5VS_DRB	P	-	-
	33	GND	G	-	-
	34	CPASLEN_ENC-B	I	-	-
	35	CPASLEN_ENC-A	I	-	-
	36	+5VS_DRB	P	-	-
	37	GND	G	-	-
	38	CPASLEN2_ENC-B	I	-	-
	39	CPASLEN2_ENC-A	I	-	-
	40	+5VS_DRB	P	-	-
CN262	1	N.C.	N	-	-
	2	ZURRB_URB_GAIN	O	-	-
	3	GND	G	-	-
	4	ZURRB_URB_CLR	O	Clear (discharge electric charge)	-
	5	ZURRB_XURB_DF	I	Not Double-Feed	Double-Feed
	6	ZURRB_XURB_SMODE_D	I	-	-
	7	+5VS_DRB	P	-	-
CN263	1	+24VS_DRB2	P	-	-
	2	+24VS_DRB2	P	-	-
	3	GND	G	-	-
	4	GND	G	-	-
	5	GND	G	-	-
	6	T2BDRMT_LOK	I	Error	Normal
	7	T2BDRMT_STA_N	O	Disable	Enable
	8	T2BDRMT_CW	O	CW	CCW
	9	T2BDRMT_GA	O	-	-
	10	T2BDRMT_CLK	O	-	-
	11	+24VS_DRB2	P	-	-
	12	TPSCEFN_LOK	I	Error	Normal
	13	TPSCE_CRGCLFN_ON_N	G	Disable	Enable
	14	+24VS_DRB2	P	-	-
	15	CCSCEFN_LOK	I	Error	Normal
	16	CCSCEFN_ON_N	G	Disable	Enable
	17	ZURTB_UTB_OUT_-A	O	-	-
	18	ZURTB_UTB_OUT_A	O	-	-
CN264	1	+3.3VS_DRB	P	-	-
	2	GND	G	-	-
	3	TPSTPSNF_L-C	O	-	-
	4	TPSTPSNF_V-C2	I	-	-
	5	TPSTPSNF_V-C	I	-	-
	6	+3.3VS_DRB	P	-	-
	7	GND	G	-	-
	8	TPSTPSNK_L-C	O	-	-
	9	TPSTPSNK_V-C2	I	-	-
	10	TPSTPSNK_V-C	I	-	-
	11	+3.3VS_DRB	P	-	-
	12	GND	G	-	-
	13	TPSTPSNC_L-C	O	-	-
	14	TPSTPSNC_V-C2	I	-	-
	15	TPSTPSNC_V-C	I	-	-
	16	+3.3VS_DRB	P	-	-
	17	GND	G	-	-
	18	TPSTPSNM_L-C	O	-	-
	19	TPSTPSNM_V-C2	I	-	-
	20	TPSTPSNM_V-C	I	-	-
	21	+3.3VS_DRB	P	-	-
	22	GND	G	-	-
	23	TPSTPSNY_L-C	O	-	-
	24	TPSTPSNY_V-C2	I	-	-
	25	TPSTPSNY_V-C	I	-	-
	26	+3.3VS_DRB	P	-	-
	27	GND	G	-	-
	28	TPSTPSNR_L-C	O	-	-
	29	TPSTPSNR_V-C2	I	-	-
	30	TPSTPSNR_V-C	I	-	-
CN265	1	+24VS_DRB2	P	-	-
	2	CRGCLFN_LOK	I	Error	Normal
	3	TPSCE_CRGCLFN_ON_N	G	Disable	Enable

SDB Pin Assign Information

Connector		Signal Information			
No.	Pin No.	Signal Name	Direction	H	L
CN271	1	+24V	P	-	-
	2	+24V	P	-	-
	3	GND	G	-	-
	4	GND	G	-	-
CN272	1	RRVINMT_HL	I	Current High	Current Low
	2	RRVINMT_CLK	I	-	-
	3	RRVINMT_EN	I	Excitation Off	Excitation On
	4	EEX_MT_HL	I	Current High	Current Low
	5	EEX_MT_CLK	I	-	-
	6	EEX_MT_EN_N	I	Excitation Off	Excitation On
	7	BDCCVMT1_HL	I	Current High	Current Low
	8	BDCCVMT1_CLK	I	-	-
	9	BDCCVMT1_EN_N	I	Excitation Off	Excitation On
	10	BDCCVMT2_HL	I	Current High	Current Low
	11	BDCCVMT2_CLK	I	-	-
	12	BDCCVMT2_EN_N	I	Excitation Off	Excitation On
	13	BDCPZMT2_HL	I	Current High	Current Low
	14	BDCPZMT2_CLK	I	-	-
	15	BDCPZMT2_CCW	I	CCW	CW
	16	BDCPZMT2_EN_N	I	Excitation Off	Excitation On
	17	BDCPZMT1_HL	I	Current High	Current Low
	18	BDCPZMT1_CLK	I	-	-
	19	BDCPZMT1_CCW	I	CCW	CW
	20	BDCPZMT1_EN_N	I	Excitation Off	Excitation On
	21	RESET_SDB	I	Reset On	Reset Off
	22	EEXCASL_ON	I	Off	On
	23	RRC_SL_ON	I	Off	On
	24	RRRCAMT_HL	I	Current High	Current Low
	25	RRRCAMT_CLK	I	-	-
	26	RRRCAMT_EN	I	Excitation Off	Excitation On
	27	EEC_MT_HL	I	Current High	Current Low
	28	EEC_MT_CLK	I	-	-
	29	EEC_MT_EN	I	Excitation Off	Excitation On
	30	EERCAMT_HL	I	Current High	Current Low
	31	EERCAMT_CLK	I	-	-
	32	EERCAMT_EN	I	Excitation Off	Excitation On
	33	RDR_MT_HL	I	Current High	Current Low
	34	RDR_MT_CLK	I	-	-
	35	RDR_MT_CCW	I	CCW	CW
	36	RDR_MT_EN	I	Excitation Off	Excitation On
	37	EEXRVMT_HL	I	Current High	Current Low
	38	EEXRVMT_CLK	I	-	-
	39	EEXRVMT_CCW	I	CCW	CW
	40	EEXRVMT_EN	I	Excitation Off	Excitation On
CN273	1	RRRCAMT_FLG	O	Error	Normal
	2	EEC_MT_FLG	O	Error	Normal
	3	EERCAMT_FLG	O	Error	Normal
	4	RDR_MT_FLG	O	Error	Normal
	5	EEXRVMT_FLG	O	Error	Normal
	6	RRVINMT_FLG	O	Error	Normal
	7	EEX_MT__FLG	O	Error	Normal
	8	BDCCVMT1_FLG	O	Error	Normal
	9	BDCCVMT2_FLG	O	Error	Normal
	10	BDCPZMT2_FLG	O	Error	Normal
	11	BDCPZMT1_FLG	O	Error	Normal
	12	EPT_LE_LED-K	I	Off	On
	13	CFDCVLE1_LED-K	I	Off	On
	14	RDR_LE_LED-K	I	Off	On
	15	REX_LE_LED-K	I	Off	On
	16	EEX_LE_LED-K	I	Off	On
	17	BDC_LE_LED-K	I	Off	On
	18	+5V	P	-	-
	19	+5V	P	-	-
	20	GND	G	-	-
	21	GND	G	-	-
	22	EPTPQSN_SNS_N	O	Paper	No Paper
	23	EECHPSN_SNS	O	Detect (Home Position)	Not Detect
	24	RRRHPSN_SNS	O	Detect (Home Position)	Not Detect
	25	EERHPSN_SNS	O	Detect (Home Position)	Not Detect
	26	RDR_SN_SNS_N	O	No Paper	Paper
	27	EEXRVSN_SNS_N	O	No Paper	Paper
	28	EEX_SN_SNS_N	O	No Paper	Paper
	29	BDCHPSN2_SNS	O	Detect (Home Position)	Not Detect
	30	BDCHPSN1_SNS	O	Detect (Home Position)	Not Detect
	31	BDCOUSN_SNS_N	O	No Paper	Paper
	32	BDCINSN_SNS_N	O	No Paper	Paper
	33	SDB_CLFN_LOK	O	Lock	Unlock
	34	SDB_CLFN_ON_N	I	Off	On
	35	DET_+24VS_SDB3	O	Not Detect	Detect
	36	DET_+24VS_SDB2	O	Not Detect	Detect
	37	DET_+24VS_SDB1	O	Not Detect	Detect
	38	N.C.	N	-	-
CN275	1	BDCPZMT1_A	O	-	-
	2	+24V	P	-	-
	3	BDCPZMT1_XA	O	-	-
	4	BDCPZMT1_B	O	-	-
	5	+24V	P	-	-
	6	BDCPZMT1_XB	O	-	-
	7	BDCPZMT2_A	O	-	-
	8	+24V	P	-	-
	9	BDCPZMT2_XA	O	-	-
	10	BDCPZMT2_B	O	-	-
	11	+24V	P	-	-
	12	BDCPZMT2_XB	O	-	-
CN276	1	BDCCVMT1_A	O	-	-
	2	+24V	P	-	-
	3	BDCCVMT1_XA	O	-	-
	4	BDCCVMT1_B	O	-	-
	5	+24V	P	-	-
	6	BDCCVMT1_XB	O	-	-
	7	RRVINMT_A	O	-	-
	8	+24V	P	-	-
	9	RRVINMT_XA	O	-	-
	10	RRVINMT_B	O	-	-
	11	+24V	P	-	-
	12	RRVINMT_XB	O	-	-
	13	RDR_MT_A	O	-	-
	14	+24V	P	-	-
	15	RDR_MT_XA	O	-	-
	16	RDR_MT_B	O	-	-
	17	+24V	P	-	-
	18	RDR_MT_XB	O	-	-
	19	N.C.	N	-	-
CN277	1	BDCCVMT2_A	O	-	-
	2	+24V	P	-	-
	3	BDCCVMT2_XA	O	-	-
	4	BDCCVMT2_B	O	-	-
	5	+24V	P	-	-
	6	BDCCVMT2_XB	O	-	-
	7	EEX_MT_A	O	-	-
	8	+24V	P	-	-
	9	EEX_MT_XA	O	-	-
	10	EEX_MT_B	O	-	-
	11	+24V	P	-	-
	12	EEX_MT_XB	O	-	-
	13	EEXRVMT_A	O	-	-
	14	+24V	P	-	-
	15	EEXRVMT_XA	O	-	-
	16	EEXRVMT_B	O	-	-
	17	+24V	P	-	-
	18	EEXRVMT_XB	O	-	-

SDB Pin Assign Information

Connector		Signal Information			
No.	Pin No.	Signal Name	Direction	H	L
CN278	1	EEX_LE_LED-K	O	Off	On
	2	EEX_LE_LED-A	O	-	-
	3	GND	G	-	-
	4	EEX_SN_SNS_N	I	No Paper	Paper
	5	+5V	P	-	-
	6	GND	G	-	-
	7	EEXRVSN_SNS_N	I	No Paper	Paper
	8	+5V	P	-	-
	9	GND	G	-	-
	10	RDR_SN_SNS_N	I	No Paper	Paper
	11	+5V	P	-	-
	12	N.C.	N	-	-
CN279	1	BDC_LE_LED-K	O	Off	On
	2	BDC_LE_LED-A	O	-	-
	3	GND	G	-	-
	4	BDCINSN_SNS_N	I	No Paper	Paper
	5	+5V	P	-	-
	6	GND	G	-	-
	7	BDCOUSN_SNS_N	I	No Paper	Paper
	8	+5V	P	-	-
	9	GND	G	-	-
	10	BDCHPSN2_SNS	I	Detect (Home Position)	Not Detect
	11	+5V	P	-	-
	12	GND	G	-	-
	13	BDCHPSN1_SNS	I	Detect (Home Position)	Not Detect
	14	+5V	P	-	-
CN280	A1	EERCAMT_A	O	-	-
	A2	+24V	P	-	-
	A3	EERCAMT_XA	O	-	-
	A4	EERCAMT_B	O	-	-
	A5	+24V	P	-	-
	A6	EERCAMT_XB	O	-	-
	A7	EEC_MT_A	O	-	-
	A8	+24V	P	-	-
	A9	EEC_MT_XA	O	-	-
	A10	EEC_MT_B	O	-	-
	A11	+24V	P	-	-
	A12	EEC_MT_XB	O	-	-
	B1	RRRCAMT_A	O	-	-
	B2	+24V	P	-	-
	B3	RRRCAMT_XA	O	-	-
	B4	RRRCAMT_B	O	-	-
	B5	+24V	P	-	-
	B6	RRRCAMT_XB	O	-	-
	B7	+24V	P	-	-
	B8	RRC_SL_ON	O	Off	On
	B9	+24V	P	-	-
	B10	EEXCASL_ON	O	Off	On
	B11	N.C.	N	-	-
	B12	N.C.	N	-	-
CN281	1	GND	G	-	-
	2	EERHPSN_SNS	I	Detect (Home Position)	Not Detect
	3	+5V	P	-	-
	4	GND	G	-	-
	5	RRRHPSN_SNS	I	Detect (Home Position)	Not Detect
	6	+5V	P	-	-
	7	GND	G	-	-
	8	EECHPSN_SNS	I	Detect (Home Position)	Not Detect
	9	+5V	P	-	-
	10	REX_LE_LED-K	O	Off	On
	11	REX_LE_LED-A	O	-	-
	12	RDR_LE_LED-K	O	Off	On
	13	RDR_LE_LED-A	O	-	-
	14	CFDCVLE1_LED-K	O	Off	On
	15	CFDCVLE1_LED-A	O	-	-
	16	EPT_LE_LED-K	O	Off	On
	17	EPT_LE_LED-A	O	-	-
	18	+5V	P	-	-
	19	EPTPQSN_SNS	I	Paper	No Paper
	20	GND	G	-	-

TDCU Pin Assign Information

Connector		Signal Information			
No.	Pin No.	Signal Name	Direction	H	L
CN380	1	GND	G		
	2	TT1CASNFC	I	Not Contact	Contact
	3	TITCAMTFCCC	O	Hold	Not Hold
	4	TITCAMTFCEN	O	Disable	Enable
	5	TITCAMTFCCLK	O	-	-
	6	GND	G		
	7	TIBFBSNSB	I	Scale Signal High	Scale Signal low
	8	TIBFBSNSBLED	O	LED On	LED Off
	9	TIBFBSNSBAN	I	-	-
	10	TIBFBSNMNAN	I	-	-
	11	TIBFBSNMN	I	Scale Signal High	Scale Signal low
	12	TIBFBSNMNLED	O	LED On	LED Off
	13	TIT_EN2	I	Encoder Signal High	Encoder Signal Low
	14	TIT_EN1	I	Encoder Signal High	Encoder Signal Low
	15	TIT_MT_FL	I	Normal	Error
	16	TIT_MT_BRK	O	Brake Off	Brake On
	17	TIT_MT_FR	O	CW	CCW
	18	TIT_MT_ON	O	Disable	Enable
	19	TIT_MT_PWM	O	Enable	Disable
CN381	1	+5V	P	-	-
	2	GND	G		
CN382	1	+24V2_+24VS	P	-	-
	2	+24V2_+24VS	P	-	-
	3	+24VS_C1	P	-	-
	4	+24VS_C1	P	-	-
	5	+24VS_C1	P	-	-
	6	GND	G	-	-
	7	GND	G	-	-
	8	GND	G	-	-
	9	GND	G	-	-
	10	GND	G	-	-
CN383	1	+5V	P	-	-
	2	RXD_DB	I	-	-
	3	TXD_DB	O	-	-
	4	GND	G	-	-
CN384	1	GND	G	-	-
	2	ZBCU_TXD_BCU_M	O	-	-
	3	ZBCU_RXD_BCU_M	I	-	-
	4	ZBCU_TXD_BCU_S	O	-	-
	5	ZBCU_RXD_BCU_S	I	-	-
	6	GND	G	-	-
	7	ZBCU_DOOROPEN	I	Open	Close
	8	GND	G	-	-
	9	ZBCU_PDRHPSNY	O	Not Detect	Detect (Home Position)
	10	ZBCU_PDRHPSNM	O	Not Detect	Detect (Home Position)
	11	ZBCU_PDRHPSNC	O	Not Detect	Detect (Home Position)
	12	ZBCU_PDRHPSNK	O	Not Detect	Detect (Home Position)
	13	ZBCU_PDRHPSNS	O	-	-
	14	ZBCU_ODV_HPSNS	I	-	-
	15	ZBCU_MOT_STOP1	I	Stop	Normal Operation
	16	ZBCU_MOT_STOP2	I	Stop	Normal Operation
	17	GND	G	-	-
	18	ZBCU_TTSTISNO	O	-	-
	19	GND	G	-	-
	20	ZBCU_TT_FGATE	I	-	-
CN387	1	ZBCU_STM_MODE0	I	Single/Bi-Phase Excitation	Bi-Phase Excitation
	2	ZBCU_RDPRVMT_EN	I	Excitation Off	Excitation On
	3	ZBCU_RDPRVMT_CLK	I	-	-
	4	ZBCU_RDPRVMT_FR	I	CCW	CW
	5	ZBCU_RDPRVMT_HL	I	Current Low	Current High
	6	ZBCU_RDPRVMT_ER	O	Error	Normal
	7	ZBCU_EEXRVMT_EN	I	Excitation Off	Excitation On
	8	ZBCU_EEXRVMT_CLK	I	-	-
	9	ZBCU_EEXRVMT_FR	I	CCW	CW
	10	ZBCU_EEXRVMT_HL	I	Current Low	Current High
	11	ZBCU_EEXRVMT_ER	O	Error	Normal
	12	ZBCU_DET_TDCU_24VS1	O	Normal	Error
	13	ZBCU_CRGINMT2_FR	I	CCW	CW
	14	ZBCU_RDPCVMT1_EN	I	Excitation Off	Excitation On
	15	ZBCU_RDPCVMT1_CLK	I	-	-
	16	ZBCU_RDPCVMT1_HL	I	Current Low	Current High
	17	ZBCU_RDPCVMT1_ER	O	Error	Normal
	18	ZBCU_EEXRYMT_EN	I	Excitation Off	Excitation On
	19	ZBCU_EEXRYMT_CLK	I	-	-
	20	ZBCU_EEXRYMT_HL	I	Current Low	Current High
	21	ZBCU_EEXRYMT_ER	O	Error	Normal
	22	ZBCU_CRGCAMT1_FR	I	CCW	CW
CN388	1	RDPCVMT1_A	O	-	-
	2	+24VS_C2	P	-	-
	3	RDPCVMT1_-A	O	-	-
	4	RDPCVMT1_B	O	-	-
	5	+24VS_C2	P	-	-
	6	RDPCVMT1_-B	O	-	-
	7	EEXRYMT_-B	O	-	-
	8	+24VS_C2	P	-	-
	9	EEXRYMT_B	O	-	-
	10	EEXRYMT_A	O	-	-
	11	+24VS_C2	P	-	-
	12	EEXRYMT_-A	O	-	-
	13	EEXRVMT_-B	O	-	-
	14	+24VS_C2	P	-	-
	15	EEXRVMT_B	O	-	-
	16	EEXRVMT_A	O	-	-
	17	+24VS_C2	P	-	-
	18	EEXRVMT_-A	O	-	-
CN389	1	RDPRVMT_-A	O	-	-
	2	+24VS_C2	P	-	-
	3	RDPRVMT_A	O	-	-
	4	RDPRVMT_B	O	-	-
	5	+24VS_C2	P	-	-
	6	RDPRVMT_-B	O	-	-
CN390	A1	PDR_MTYW	O	-	-
	A2	PDR_MTYV	O	-	-
	A3	PDR_MTYU	O	-	-
	A4	GND	G	-	-
	A5	+5V	P	-	-
	A6	PDR_MTYHW	I	Hall Signal High	Hall Signal Low
	A7	PDR_MTYHV	I	Hall Signal High	Hall Signal Low
	A8	PDR_MTYHU	I	Hall Signal High	Hall Signal Low
	A9	PDR_ENY2	I	Encoder Signal High	Encoder Signal Low
	A10	PDR_ENY1	I	Encoder Signal High	Encoder Signal Low
	A11	ZBCU_PDRHPSNY	I	-	-
	A12	N.C.	N	-	-
	B1	N.C.	N	-	-
	B2	PDR_MTMW	O	-	-
	B3	PDR_MTMV	O	-	-
	B4	PDR_MTMU	O	-	-
	B5	GND	G	-	-
	B6	+5V	P	-	-
	B7	PDR_MTMHW	I	Hall Signal High	Hall Signal Low
	B8	PDR_MTMHV	I	Hall Signal High	Hall Signal Low
	B9	PDR_MTMHU	I	Hall Signal High	Hall Signal Low
	B10	PDR_ENM2	I	Encoder Signal High	Encoder Signal Low
	B11	PDR_ENM1	I	Encoder Signal High	Encoder Signal Low
	B12	ZBCU_PDRHPSNM	I	-	-

TDCU Pin Assign Information

Connector		Signal Information			
No.	Pin No.	Signal Name	Direction	H	L
CN391	A1	PDR_MTCW	O	-	-
	A2	PDR_MTCV	O	-	-
	A3	PDR_MTCU	O	-	-
	A4	GND	G	-	-
	A5	+5V	P	-	-
	A6	PDR_MTCHW	I	Hall Signal High	Hall Signal Low
	A7	PDR_MTCHV	I	Hall Signal High	Hall Signal Low
	A8	PDR_MTCHU	I	Hall Signal High	Hall Signal Low
	A9	PDR_ENC2	I	Encoder Signal High	Encoder Signal Low
	A10	PDR_ENC1	I	Encoder Signal High	Encoder Signal Low
	A11	ZBCU_PDRHPSNC	I	-	-
	B1	PDR_MTKW	O	-	-
	B2	PDR_MTKV	O	-	-
	B3	PDR_MTKU	O	-	-
	B4	GND	G	-	-
	B5	+5V	P	-	-
	B6	PDR_MTKHW	I	Hall Signal High	Hall Signal Low
	B7	PDR_MTKHV	I	Hall Signal High	Hall Signal Low
	B8	PDR_MTKHU	I	Hall Signal High	Hall Signal Low
	B9	PDR_ENK2	I	Encoder Signal High	Encoder Signal Low
	B10	PDR_ENK1	I	Encoder Signal High	Encoder Signal Low
	B11	ZBCU_PDRHPSNK	I	-	-
CN392	1	+24VS_TDRB	P	-	-
	2	GND	G	-	-
	3	+5V	P	-	-
	4	GND	G	-	-
CN393	1	ODV_MTYGAIN	O	-	-
	2	ODV_MTYCLK	O	-	-
	3	ODV_MTYLOCK	I	-	-
	4	ODV_MTYON	O	-	-
	5	GND	G	-	-
	6	GND	G	-	-
	7	+24V2_+24VS_1	P	-	-
	8	+24V2_+24VS_1	P	-	-
	9	PDRCEMTYFR	O	CCW	CW
	10	PDRCEMTYGAIN	O	Less than 900rpm	More than 900rpm
	11	PDRCEMTYCLK	O	-	-
	12	PDRCEMTYLOCK	I	Unlock	Lock
	13	PDRCEMTYON	O	Stop	Start
	14	GND	G	-	-
	15	GND	G	-	-
	16	+24V2_+24VS_3	P	-	-
	17	+24V2_+24VS_3	P	-	-
	18	GND	G	-	-
	19	+5V	P	-	-
	20	ODV_MTMGAIN	O	-	-
	21	ODV_MTMCLK	O	-	-
	22	ODV_MTMLOCK	I	-	-
	23	ODV_MTMON	O	-	-
	24	GND	G	-	-
	25	GND	G	-	-
	26	+24V2_+24VS_1	P	-	-
	27	+24V2_+24VS_1	P	-	-
	28	PDRCEMTMFR	O	CCW	CW
	29	PDRCEMTMGAIN	O	Less than 900rpm	More than 900rpm
	30	PDRCEMTMCLK	O	-	-
	31	PDRCEMTMLOCK	I	Unlock	Lock
	32	PDRCEMTMON	O	Stop	Start
	33	GND	G	-	-
	34	GND	G	-	-
	35	+24V2_+24VS_3	P	-	-
	36	+24V2_+24VS_3	P	-	-
	37	GND	G	-	-
	38	+5V	P	-	-
CN394	1	ODV_MTCGAIN	O	-	-
	2	ODV_MTCCLK	O	-	-
	3	ODV_MTCLOCK	I	-	-
	4	ODV_MTCON	O	-	-
	5	GND	G	-	-
	6	GND	G	-	-
	7	+24V2_+24VS_2	P	-	-
	8	+24V2_+24VS_2	P	-	-
	9	PDRCEMTCFR	O	CCW	CW
	10	PDRCEMTCGAIN	O	Less than 900rpm	More than 900rpm
	11	PDRCEMTCCLK	O	-	-
	12	PDRCEMTCLOCK	I	Unlock	Lock
	13	PDRCEMTCON	O	Stop	Start
	14	GND	G	-	-
	15	GND	G	-	-
	16	+24V2_+24VS_3	P	-	-
	17	+24V2_+24VS_3	P	-	-
	18	GND	G	-	-
	19	+5V	P	-	-
	20	N.C.	N	-	-
	21	ODV_MTKGAIN	O	-	-
	22	ODV_MTKCLK	O	-	-
	23	ODV_MTKLOCK	I	-	-
	24	ODV_MTKON	O	-	-
	25	GND	G	-	-
	26	GND	G	-	-
	27	+24V2_+24VS_2	P	-	-
	28	+24V2_+24VS_2	P	-	-
	29	PDRCEMTKFR	O	CCW	CW
	30	PDRCEMTKGAIN	O	Less than 900rpm	More than 900rpm
	31	PDRCEMTKCLK	O	-	-
	32	PDRCEMTKLOCK	I	Unlock	Lock
	33	PDRCEMTKON	O	Stop	Start
	34	GND	G	-	-
	35	GND	G	-	-
	36	+24V2_+24VS_3	P	-	-
	37	+24V2_+24VS_3	P	-	-
	38	GND	G	-	-
	39	+5V	P	-	-
	40	N.C.	N	-	-
CN395	1	TITSTSS	I	Not Set	Set
	2	TSTHPSN	I	Detect (Home Position)	Detect
	3	TST_MT_CLK	O	-	-
	4	TST_MT_EN	O	Disable	Enable
	5	TST_MT_FR	O	CCW	CW
	6	TST_MT_CC	O	Hold	Not Hold
	7	TST_MT_FLG	I	Protection On	Protection Off
	8	TIBPSSN_LED	O	LED On	LED Off
	9	TFB_TEMP_I	I	-	-
	10	GND	G	-	-
	11	TIBORSNBC	I	Off	On
	12	TIBORSNFR	I	Off	On
	13	TIBPSSNA	I	-	-
	14	TIBPSSNB	I	-	-
	15	TT1CASNK2	I	Contact	Not Contact
	16	TITCAMTKCLK	O	-	-
	17	TITCAMTKEN	O	Disable	Enable
	18	TITCAMTKCC	O	Hold	Not Hold
	19	RESET_STM1_TDRB	O	Reset On	Reset Off
	20	GND	G	-	-
	21	TT1CASNS	I	-	-
	22	TT2CAMT_CLK	O	-	-
	23	TT2CAMT_EN	O	-	-
	24	TT2CAMT_FR	O	-	-
	25	TT2CAMT_CC	O	-	-
	26	TT2CAMT_FLG	I	-	-
	27	TT2CASN	I	-	-
CN396	1	+24VS_C2	P	-	-
	2	GND	G	-	-

TDRB Pin Assign Information

Connector		Signal Information			
No.	Pin No.	Signal Name	Direction	H	L
CN70	1	N.C.	N	-	-
	2	GND	G	-	-
	3	TIBORSNFR	I	Off	On
	4	+5V	P	-	-
	5	GND	G	-	-
	6	TIBORSNBC	I	Off	On
	7	+5V	P	-	-
	8	GND	G	-	-
	9	TIBPSSN_B	I	- (analog)	- (analog)
	10	TIBPSSN_A	I	- (analog)	- (analog)
	11	+5V	P	-	-
	12	TIBPSSNLED	O	LED On	LED Off
	13	GND	G	-	-
	14	TT1CASNK1	I	LED Off	LED On
	15	+5V_LED	O	-	-
	16	TIBFBSN_TS	I	-	-
	17	TIBFBSN_SB	I	-	-
	18	TIBFBSNSB_LED	O	-	-
	19	TIBFBSNSB_AN	I	-	-
	20	TIBFBSNMN_AN	I	-	-
	21	TIBFBSN_MN	I	-	-
	22	TIBFBSNMN_LED	O	-	-
	23	GND	G	-	-
	24	+5V	P	-	-
CN71	1	TITCAMTFC_A	O	-	-
	2	TITCAMTFC_-A	O	-	-
	3	TITCAMTFC_-B	O	-	-
	4	TITCAMTFC_B	O	-	-
	5	TITCAMTK_A	O	-	-
	6	TITCAMTK_-A	O	-	-
	7	TITCAMTK_-B	O	-	-
	8	TITCAMTK_B	O	-	-
CN72	A1	N.C.	N	-	-
	A2	N.C.	N	-	-
	A3	GND	G	-	-
	A4	TIT_EN1	I	Encoder Signal High	Encoder Signal Low
	A5	+5V	P	-	-
	A6	GND	G	-	-
	A7	TIT_EN2	I	Encoder Signal High	Encoder Signal Low
	A8	+5V	P	-	-
	B1	TIT_MT_W	O	-	-
	B2	TIT_MT_V	O	-	-
	B3	TIT_MT_U	O	-	-
	B4	GND	G	-	-
	B5	TIT_MT_HW	I	Hall Signal High	Hall Signal Low
	B6	TIT_MT_HV	I	Hall Signal High	Hall Signal Low
	B7	TIT_MT_HU	I	Hall Signal High	Hall Signal Low
	B8	+5V	P	-	-
CN73	1	TIT_MT_PWM	I	Disable	Enable
	2	TIT_MT_ON	I	Disable	Enable
	3	TIT_MT_FR	I	CW	CCW
	4	TIT_MT_BRK	I	Brake Off	Brake On
	5	TIT_MT_FL	O	Normal	Error
	6	TIT_EN1	O	Encoder Signal High	Encoder Signal Low
	7	TIT_EN2	O	Encoder Signal High	Encoder Signal Low
	8	TIBFBSNMNLED	I	-	-
	9	TIBFBSNMN	O	-	-
	10	TIBFBSNMNAN	O	-	-
	11	TIBFBSNSBAN	O	-	-
	12	TIBFBSNSBLED	I	-	-
	13	TIBFBSNSB	O	-	-
	14	GND	G	-	-
	15	TITCAMTFCCLK	I	-	-
	16	TITCAMTFCEN	I	Disable	Enable
	17	TITCAMTFCCC	I	Hold	Not Hold
	18	TT1CASNFC	O	Not Contact	Contact
	19	TITSTSS2	I	-	-
CN74	1	+24VS_TDRB	P	-	-
	2	GND	G	-	-
	3	+5V	P	-	-
	4	GND	G	-	-
CN75	1	TITSTSS	O	Not Set	Set
	2	TSTHPSN	O	Detect (Home Position)	Not Detect
	3	TST_MT_CLK	I	-	-
	4	TST_MT_EN	I	Disable	Enable
	5	TST_MT_FR	I	CCW	CW
	6	TST_MT_CC	I	Hold	Not Hold
	7	TST_MT_FLG	O	Protection On	Protection Off
	8	TIBPSSN_LED	I	LED On	LED Off
	9	TIBFBSN_TS	O	-	-
	10	GND	G	-	-
	11	TIBORSNBC	O	Off	On
	12	TIBORSNFR	O	Off	On
	13	TIBPSSNA	O	-	-
	14	TIBPSSNB	O	-	-
	15	TT1CASNK2	O	Contact	Not Contact
	16	TITCAMTKCLK	I	-	-
	17	TITCAMTKEN	I	Disable	Enable
	18	TITCAMTKCC	I	Hold	Not Hold
	19	RESET_STM1_TDRB	I	Reset On	Reset Off
	20	GND	N	-	-
	21	TT1CASNS	N	-	-
	22	TT2CAMT_CLK	I	-	-
	23	TT2CAMT_EN	I	-	-
	24	TT2CAMT_FR	I	-	-
	25	TT2CAMT_CC	I	-	-
	26	TT2CAMT_FLG	O	-	-
	27	TT2CASN	O	Not Contact	Contact
CN76	1	TT1_PPS_PWM	N	-	-
	2	TT1_PPS_LK	N	-	-
	3	TT1_PPS_FB	N	-	-
	4	FAN_PSN	N	-	-
	5	TPS_FN_LK	N	-	-
	6	GND	G	-	-
	7	GND	G	-	-
	8	TT1CASNK1	O	LED Off	LED On
	9	TCLSTSW	O	Not Set	Set
	10	TICSTSW	O	Not Set	Set
	11	GND	G	-	-
	12	PMAEDSW	O	Not End	End
	13	TITSTSS2	O	Not Set	Set
CN77	1	TITSTSS	I	Not Set	Set
	2	TT1_PPK_FB	O	-	-
	3	TT1_PPK_LK	O	Error	Normal
	4	TT1_PPK_PWM	I	-	-
	5	TT1_PPC_FB	O	-	-
	6	TT1_PPC_LK	O	Error	Normal
	7	TT1_PPC_PWM	I	-	-
	8	TT1_PPM_FB	O	-	-
	9	TT1_PPM_LK	O	Error	Normal
	10	TT1_PPM_PWM	I	-	-
	11	TT1_PPY_FB	O	-	-
	12	TT1_PPY_LK	O	Error	Normal
	13	TT1_PPY_PWM	I	-	-
	14	TT2_PP_FB_V	O	-	-
	15	TT2_PP_LK	O	Error	Normal
	16	TT2_PP_PWM_DC_CC	I	-	-
	17	TT2_PP_PWM_DC_CV	I	-	-
	18	TT2_PP_FB_C	O	-	-
	19	TT2_PP_CCCV	I	-	-
	20	TT2_PP_B_PWM_DC	I	-	-
	21	TT2_PP_DUTY_AC	I	-	-
	22	TT2_PP_AC_LK	O	-	-
	23	TT2_PP_PWM_AC	I	-	-
CN78	1	+24VS_TDRB	P	-	-
	2	TST_MT_A	O	-	-
	3	TST_MT_-A	O	-	-
	4	+24VS_TDRB	P	-	-
	5	TST_MT_B	O	-	-
	6	TST_MT_-B	O	-	-

TDRB Pin Assign Information

Connector		Signal Information			
No.	Pin No.	Signal Name	Direction	H	L
CN79	1	GND	G	-	-
	2	TT2CASN	I	Not Contact	Contact
	3	+5V	P	-	-
	4	GND	G	-	-
	5	TT1CASNK2	I	Contact	Not Contact
	6	+5V	P	-	-
	7	GND	G	-	-
	8	TT1CASNFC	I	Not Contact	Contact
	9	+5V	P	-	-
	10	GND	N	-	-
	11	TT1CASNS	N	-	-
	12	+5V	N	-	-
	13	GND	N	-	-
	14	TICSTSW_I	N	-	-
CN80	1	+24VS_TDRB	P	-	-
	2	TT2CAMT_A	O	-	-
	3	TT2CAMT_-A	O	-	-
	4	+24VS_TDRB	P	-	-
	5	TT2CAMT_B	O	-	-
	6	TT2CAMT_-B	O	-	-
	7	N.C.	N	-	-
CN82	1	GND	G	-	-
	2	TSTHPSN	I	Detect (Home Position)	Not Detect
	3	+5V	P	-	-
	4	GND	G	-	-
	5	TICLSTSW	I	Not Set	Set
	6	GND	G	-	-
	7	PMASTSS	I	Not Set	Set
	8	GND	G	-	-
	9	PMAEDSW	I	Not End	End
CN85	1	ZHVTT_PWM_T1_C	O	-	-
	2	ZHVTT_T1_M_ALM	I	Error	Normal
	3	ZHVTT_PWM_T1_M	O	-	-
	4	ZHVTT_T1_Y_ALM	I	Error	Normal
	5	ZHVTT_PWM_T1_Y	O	-	-
	6	ZHVTT_T2_ALM	I	Error	Normal
	7	ZHVTT_PWM_T2	O	-	-
	8	N.C.	N	-	-
	9	GND	G	-	-
	10	GND	G	-	-
	11	+24V	P	-	-
	12	+24V	P	-	-
	13	N.C.	N	-	-
	14	N.C.	N	-	-
	15	GND	G	-	-
	16	ZHVTT_T1_K_AN	I	-	-
	17	ZHVTT_T1_C_AN	I	-	-
	18	ZHVTT_T1_M_AN	I	-	-
	19	ZHVTT_T1_Y_AN	I	-	-
	20	ZHVTT_T2_AN	I	-	-
	21	N.C.	N	-	-
	22	ZHVTT_T1_K_ALM	I	Error	Normal
	23	ZHVTT_PWM_T1_K	O	-	-
	24	ZHVTT_T1_C_ALM	I	Error	Normal

NRYF1 Pin Assign Information

Connector		Signal Information			
No.	Pin No.	Signal Name	Direction	H	L
CN175	1	AC1_L	P	-	-
	2	AC2_L	P	-	-
	3	AC1_N	P	-	-
	4	AC2_N	P	-	-
CN177	1	PSU1_L	P	-	-
	3	PSU1_N	P	-	-
	5	PSU2_L	P	-	-
	7	PSU2_N	P	-	-
	9	PSU3_L	P	-	-
	11	PSU3_N	P	-	-
CN178	1	PSU_Load1 +5V	P	-	-
	2	TRG1	I	-	-
	3	TRG2	I	-	-
	4	TRG3	I	-	-
	5	TRG4	I	-	-
	6	PSU_Load2 +5V	P	-	-
	7	TRG5	I	-	-
	8	TRG6	I	-	-
	9	TRG7	I	-	-
	10	TRG8	I	-	-
	11	PON_ENG	I	Relay Off	Relay On
	12	5VX	P	-	-

NRYF2 Pin Assign Information

Connector		Signal Information			
No.	Pin No.	Signal Name	Direction	H	L
CN175	1	AC1_L	P	-	-
	2	AC2_L	P	-	-
	3	AC1_N	P	-	-
	4	AC2_N	P	-	-
CN177	1	PSU1_L	N	-	-
	3	PSU1_N	N	-	-
	5	PSU2_L	P	-	-
	7	PSU2_N	P	-	-
	9	PSU3_L	P	-	-
	11	PSU3_N	P	-	-
CN178	1	PSU_Load1 +5V	P	-	-
	2	TRG1	I	-	-
	3	TRG2	I	-	-
	4	TRG3	I	-	-
	5	TRG4	I	-	-
	6	PSU_Load2 +5V	P	-	-
	7	TRG5	I	-	-
	8	TRG6	I	-	-
	9	TRG7	I	-	-
	10	TRG8	I	-	-
	11	PON_ENG	I	Relay Off	Relay On
	12	5VX	P	-	-

NRYF3 Pin Assign Information

Connector		Signal Information			
No.	Pin No.	Signal Name	Direction	H	L
CN175	1	AC1_L	P	-	-
	2	AC2_L	P	-	-
	3	AC1_N	P	-	-
	4	AC2_N	P	-	-
CN177	1	PSU1_L	N	-	-
	3	PSU1_N	N	-	-
	5	PSU2_L	P	-	-
	7	PSU2_N	P	-	-
	9	PSU3_L	P	-	-
	11	PSU3_N	P	-	-
CN178	1	PSU_Load1 +5V	P	-	-
	2	TRG1	I	-	-
	3	TRG2	I	-	-
	4	TRG3	I	-	-
	5	TRG4	I	-	-
	6	PSU_Load2 +5V	P	-	-
	7	TRG5	I	-	-
	8	TRG6	I	-	-
	9	TRG7	I	-	-
	10	TRG8	I	-	-
	11	PON_ENG	I	Relay Off	Relay On
	12	5VX	P	-	-

NRYF4 Pin Assign Information

Connector		Signal Information			
No.	Pin No.	Signal Name	Direction	H	L
CN175	1	AC1_L	P	-	-
	2	AC2_L	N	-	-
	3	AC1_N	P	-	-
	4	AC2_N	N	-	-
CN177	1	PSU1_L	N	-	-
	3	PSU1_N	N	-	-
	5	PSU2_L	P	-	-
	7	PSU2_N	P	-	-
	9	PSU3_L	P	-	-
	11	PSU3_N	P	-	-
CN178	1	PSU_Load1_+5V	P	-	-
	2	TRG1	I	-	-
	3	TRG2	I	-	-
	4	TRG3	I	-	-
	5	TRG4	I	-	-
	6	PSU_Load2_+5V	P	-	-
	7	TRG5	I	-	-
	8	TRG6	I	-	-
	9	TRG7	I	-	-
	10	TRG8	I	-	-
	11	PON_ENG	I	Relay Off	Relay On
	12	5VX	P	-	-

AC Drive Board 1 Pin Assign Information

Connector		Signal Information			
No.	Pin No.	Signal Name	Direction	H	L
CN403	1	HT7(H)	N	-	-
	2	SWin1	N	-	-
	3	SWout1	N	-	-
	4	HT7(H)	P	-	-
	5	HT6(H)	N	-	-
	6	HT6(H)	N	-	-
	7	HT6(H)	N	-	-
	8	SWin2	N	-	-
	9	SWout2	N	-	-
	10	N.C.	N	-	-
	11	HT7(N)	N	-	-
	12	HT7(N)	P	-	-
	13	HT6(N)	N	-	-
	14	HT6(N)	N	-	-
	15	HT6(N)	N	-	-
CN404	1	HT1_HT2(H)	N	-	-
	2	N.C.	N	-	-
	3	HT3_HT4(H)	P	-	-
CN405	1	H-TRG5	I	Heater On	Heater Off
	2	H-TRG4	N	-	-
	3	H-TRG3	N	-	-
	4	H-TRG2	N	-	-
	5	H-TRG1	I	Heater On	Heater Off
	6	GND	G	-	-
	7	ZEROX	O	-	-
	8	+5VL	P	-	-
	9	H-TRG	I	Relay On	Relay Off
	10	+24V	N	-	-
	11	AC-DET	N	-	-
	12	POW-TRG2	I	-	-
	13	T5V	N	-	-
	14	POW-TRG1	I	Relay On	Relay Off
	15	T24V	P	-	-
	16	TTRG_5V	N	-	-
	17	PONENG1_N	N	-	-
	18	TTRG_24V	I	-	-
	19	+5VX	N	-	-
	20	GND	G	-	-
CN406	1	HT1(N)	P	-	-
	2	HT2(N)	N	-	-
	3	HT3(N)	N	-	-
	4	HT4(N)	N	-	-
CN407	1	HT5(H)	P	-	-
	2	HT5(N)	P	-	-
TB1	1	AC(H)	P	-	-
TB2	1	AC(L)	P	-	-

AC Drive Board 2 Pin Assign Information

Connector		Signal Information			
No.	Pin No.	Signal Name	Direction	H	L
CN403	1	HT7(H)	N	-	-
	2	SWin1	N	-	-
	3	SWout1	N	-	-
	4	HT7(H)	P	-	-
	5	HT6(H)	N	-	-
	6	HT6(H)	N	-	-
	7	HT6(H)	N	-	-
	8	SWin2	N	-	-
	9	SWout2	N	-	-
	10	N.C.	N	-	-
	11	HT7(N)	N	-	-
	12	HT7(N)	P	-	-
	13	HT6(N)	N	-	-
	14	HT6(N)	N	-	-
	15	HT6(N)	N	-	-
CN404	1	HT1_HT2(H)	P	-	-
	2	N.C.	N	-	-
	3	HT3_HT4(H)	P	-	-
CN405	1	H-TRG5	I	Heater On	Heater Off
	2	H-TRG4	N	-	-
	3	H-TRG3	I	Heater On	Heater Off
	4	H-TRG2	N	-	-
	5	H-TRG1	I	Heater On	Heater Off
	6	GND	G	-	-
	7	ZEROX	O	-	-
	8	+5VL	P	-	-
	9	H-TRG	I	Relay On	Relay Off
	10	+24V	N	-	-
	11	AC-DET	N	-	-
	12	POW-TRG2	I	-	-
	13	T5V	N	-	-
	14	POW-TRG1	I	Relay On	Relay Off
	15	T24V	P	-	-
	16	TTRG_5V	N	-	-
	17	PONENG1_N	N	-	-
	18	TTRG_24V	I	-	-
	19	+5VX	N	-	-
	20	GND	G	-	-
CN406	1	HT1(N)	P	-	-
	2	HT2(N)	N	-	-
	3	HT3(N)	P	-	-
	4	HT4(N)	N	-	-
CN407	1	HT5(H)	P	-	-
	2	HT5(N)	P	-	-
TB1	1	AC(H)	P	-	-
TB2	1	AC(L)	P	-	-

Controller Board Pin Assign Information

Connector		Signal Information			
No.	Pin No.	Signal Name	Direction	H	L
CN500	1	+24V	P	-	-
	2	N.C.	R	-	-
	3	GND	G	-	-
	4	GND	G	-	-
	5	ACSWON_N (PW_BTN_N)	I	Main Power Switch: Off	Main Power Switch: On
	6	WAKE_N	R	-	-
	7	GND	G	-	-
	8	PCIE_REFCLK1_I_P	O	-	-
	9	PCIE_REFCLK1_I_N	O	-	-
	10	GND	G	-	-
	11	PCIE_REFCLK0_I_P	O	-	-
	12	PCIE_REFCLK0_I_N	O	-	-
	13	GND	G	-	-
	14	PCIE_TX_IPU_P(0)	O	-	-
	15	PCIE_TX_IPU_N(0)	O	-	-
	16	GND	G	-	-
	17	PCIE_RX_IPU_P(0)	I	-	-
	18	PCIE_RX_IPU_N(0)	I	-	-
	19	GND	G	-	-
	20	PCIE_TX_IPU_P(1)	O	-	-
	21	PCIE_TX_IPU_N(1)	O	-	-
	22	GND	G	-	-
	23	PCIE_RX_IPU_P(1)	I	-	-
	24	PCIE_RX_IPU_N(1)	I	-	-
	25	GND	G	-	-
	26	PCIE_TX_IPU_P(2)	O	-	-
	27	PCIE_TX_IPU_N(2)	O	-	-
	28	GND	G	-	-
	29	PCIE_RX_IPU_P(2)	I	-	-
	30	PCIE_RX_IPU_N(2)	I	-	-
	31	GND	G	-	-
	32	PCIE_TX_IPU_P(3)	O	-	-
	33	PCIE_TX_IPU_N(3)	O	-	-
	34	GND	G	-	-
	35	PCIE_RX_IPU_P(3)	I	-	-
	36	PCIE_RX_IPU_N(3)	I	-	-
	37	GND	G	-	-
	38	PERST_IPU_N	O	Reset Off	Reset On
	39	GND	G	-	-
	40	ACSWOFF	O	Relay Off	Relay On
	41	TIMER_UP1_N	O	The setting time is not elapses.	The setting time is elapses.
	42	GND	G	-	-
	43	GND	G	-	-
	44	GND	G	-	-
	45	GND	G	-	-
	46	GND	G	-	-
	47	PETXD	O	-	-
	48	PERXD	I	-	-
	49	GND	G	-	-
	50	TIMER_UP0_N	O	The setting time is not elapses.	The setting time is elapses.
	51	ENG_ENABLE_N	O	Engine: Determinded by command after Rapi has connected. Operation Panel: Determined by command after the interface of operation panel has connected.	Engine, Operation Panel: Start up normally.
	52	PONSENS1_N	R	-	-
	53	PONSENS0_N	O	-	-
	54	ENGRDY1_N	I	Busy	Ready
	55	GND	G	-	-
	56	ECO_SW_N	I	Off	On
	57	WKUP_L_N	I	-	Request for exiting from energy saver mode
	58	WKUP_E	I	Request for exiting from energy saver mode (Edge detection of 0 to 1, 1 to 0)	Request for exiting from energy saver mode (Edge detection of 0 to 1, 1 to 0)
	59	VDET_EPCI_DTU	I	PCI Express device of engine system: On	PCI Express device of engine system: Off
	60	PONENG_N	O	Power of engine system: Off	Power of engine system: On
	61	GND	G	-	-
	62	POKUSB	O	On	Off
	63	SDMODE_N	O	Not Inform	Inform
	64	GND	G	-	-
	65	OPE_USB_P	I/O	-	-
	66	OPE_USB_M	I/O	-	-
	67	GND	G	-	-
	68	PONOPE_N	O	Off	On
	69	POKOPE	I	On	Off
	70	GND	G	-	-
	71	+5V_IPU	P	-	-
	72	N.C.	R	-	-
	73	GND	G	-	-
	74	GND	G	-	-
	75	GND	G	-	-
	76	GND	G	-	-
	77	GND	G	-	-
	78	N.C.	R	-	-
	79	+5VX	P	-	-
	80	+5VX	P	-	-
	81	+5VX	P	-	-
	82	+5VX	P	-	-
	83	+5VX	P	-	-
	84	+5VX	P	-	-
	85	+5VX	P	-	-
	86	+5VX	P	-	-
	87	+5VX	P	-	-
	88	+5VX	P	-	-
	89	+5VX	P	-	-
	90	+5VX	P	-	-
	91	+5VX	P	-	-
	92	+5VX	P	-	-
	93	+5VX	P	-	-
	94	+5VX	P	-	-
	95	+5VX	P	-	-
	96	+5VX	P	-	-
	97	+5VX	P	-	-
	98	+5VX	P	-	-
	99	+5VX	P	-	-
	100	+5VX	P	-	-
	101	+5VX	P	-	-
	102	+5VX	P	-	-
	103	+5VX	P	-	-
	104	+5VX	P	-	-
	105	+5VX	P	-	-
	106	+5VX	P	-	-
	107	N.C.	R	-	-
	108	GND	G	-	-
	109	GND	G	-	-
	110	GND	G	-	-
	111	N.C.	R	-	-
	112	+12V	P	-	-
	113	+12V	P	-	-
	114	+12V	P	-	-
	115	+12V	P	-	-
	116	+12V	P	-	-
	117	+12V	P	-	-
	118	+12V	P	-	-

Controller Board Pin Assign Information

Connector		Signal Information			
No.	Pin No.	Signal Name	Direction	H	L
CN500	119	+12V	P	-	-
	120	+12V	P	-	-
	121	+12V	P	-	-
	122	+12V	P	-	-
	123	+12V	P	-	-
	124	+12V	P	-	-
	125	N.C.	R	-	-
	126	GND	G	-	-
	127	OP2_TCLK	O	-	-
	128	OP2_TXD	O	-	-
	129	OP2_REQ	I	-	-
	130	OP2_RCLK	O	-	-
	131	OP2_RXD	I	-	-
	132	GND	G	-	-
	133	PONVEP_CONV_N	O	5V Output Off	5V Output On
	134	OPE_CTLERR_N	O	-	Error (SC816)
	135	VXCNV_LV	O	5V Output On	Low Voltage Output On
	136	VEPCNV_RDY_N	I	5V Output: Not Stable	5V Output: Stable
	137	LDET_IN_N	I	-	Request of status transition
	138	FUKKI	O	Startup from energy saving mode	Startup from turning off the main power switch
	139	LDET_ACSWOF_N	O	AC Power Switch: On	AC Power Swtich: Off
	140	GND	G	-	-
CN503	A1	PRSNT1#		-	-
	A2	+12V	-	-	-
	A3	+12V	-	-	-
	A4	GND	-	-	-
	A5	JTAG2	-	-	-
	A6	JTAG3	-	-	-
	A7	JTAG4	-	-	-
	A8	JTAG5	-	-	-
	A9	+3.3V	-	-	-
	A10	+3.3V	-	-	-
	A11	PERST#	O	-	-
	A12	GND	-	-	-
	A13	REFCLK+	-	-	-
	A14	REFCLK-	-	-	-
	A15	GND	-	-	-
	A16	PERp0	-	-	-
	A17	PERn0	-	-	-
	A18	GND	-	-	-
	B1	+12V	-	-	-
	B2	+12V	-	-	-
	B3	RSVD	-	-	-
	B4	GND	-	-	-
	B5	SMBCLK	O	-	-
	B6	SMBDAT	I/O	-	-
	B7	GND	-	-	-
	B8	+3.3V	-	-	-
	B9	JTAG1	-	-	-
	B10	+3.3VAUX	-	-	-
	B11	WAKE#	I	-	DFE: Recover to STR state (After recoveing to STR state, signal stays at high logic level)
	B12	RSVD	-	-	-
	B13	GND	-	-	-
	B14	PETp0	-	-	-
	B15	PETn0	-	-	-
	B16	GND	-	-	-
	B17	PRSNT2#	-	-	-
	B18	GND	-	-	-
CN506 (ON board LAN(RJ-45))	1	RS	I/O	-	-
	2	ER	I/O	-	-
	3	SD	I/O	-	-
	4	SG	I/O	-	-
	5	SG	I/O	-	-
	6	RD	I/O	-	-
	7	DR	I/O	-	-
	8	CS	I/O	-	-
CN506 (Solder Side)	1	-		-	-
	2	MX3+	I/O	-	-
	3	MX3-	I/O	-	-
	4	MX2+	I/O	-	-
	5	MX2-	I/O	-	-
	6	MX1+	I/O	-	-
	7	MX1-	I/O	-	-
	8	MX0+	I/O	-	-
	9	MX0-	I/O	-	-
	10	GND	-	-	-
	D1	L1	I/O	-	-
	D2	L2	I/O	-	-
	D3	L3	I/O	-	-
	D4	L4	I/O	-	-
CN507 (ON board USB Host (Type))	Upper 1	Vbus	-	-	-
	Upper 2	D-	I/O	-	-
	Upper 3	D+	I/O	-	-
	Upper 4	GND	-	-	-
	Lower 1	Vbus	-	-	-
	Lower 2	D-	I/O	-	-
	Lower 3	D+	I/O	-	-
	Lower 4	GND	-	-	-
CN507 (Solder Side)	Lower 1	Vbus	-	-	-
	Lower 2	D-	I/O	-	-
	Lower 3	D+	I/O	-	-
	Lower 4	GND	-	-	-
	Upper 5	Vbus	-	-	-
	Upper 6	D-	I/O	-	-
	Upper 7	D+	I/O	-	-
	Upper 8	GND	-	-	-
CN509 CN510 (SD Card Slot)	1	Data 3	I/O	-	-
	2	Command	I/O	-	-
	3	Vss(GND)	-	-	-
	4	Vdd	-	-	-
	5	Clock	O	-	-
	6	Vss(GND)	-	-	-
	7	Data 0	I/O	-	-
	8	Data 1	I/O	-	-
	9	Data 2	I/O	-	-
CN509 CN510 (Solder Side)	1	Data 3	I/O	-	-
	2	Command	I/O	-	-
	3	GND	-	-	-
	4	3.3V	-	-	-
	5	Clock	O	-	-
	6	GND	-	-	-
	7	Data 0	I/O	-	-
	8	Data 1	I/O	-	-
	9	Data 2	I/O	-	-
	10	GND	-	-	-
	11	CD_N	I	SD Card: Not Set	SD Card: Set
	12	WP	I	Write Protect: On	Write Protect: Off
CN512 (SATA)	1	GND		-	-
	2	A+	O	-	-
	3	A-	O	-	-
	4	GND	-	-	-
	5	B-	I	-	-
	6	B+	I	-	-
	7	GND	-	-	-

Controller Board Pin Assign Information

Connector		Signal Information			
No.	Pin No.	Signal Name	Direction	H	L
CN515 (DDR3 SO DIMM)	1	-	-	-	-
	204	-	-	-	-
CN524	1	5V	-	-	-
	2	GND	-	-	-
	3	FANLock	I	Normal	Error
CN526	1	5V	-	-	-
	2	GND	-	-	-
CN532	1	VCC	-	-	-
	2	SOUT	O	-	-
	3	SIN	I	-	-
	4	NC	-	-	-
	5	GND	-	-	-
CN533	1	VCC	-	-	-
	2	GND	-	-	-
	3	GND	-	-	-
	4	DBSTXD	O	-	-
	5	DBVTXD	O	-	-
	6	DBSRXD	I	-	-
	7	DBVRXD	I	-	-
	8	NC	-	-	-
CN541	1	VCC	-	-	-
	2	GND	-	-	-
	3	NC	-	-	-
	4	NC	-	-	-
	5	NC	-	-	-
	6	NC	-	-	-
	7	UART TX	O	-	-
	8	UART RX	I	-	-
	9	SWIM	I/O	-	-
	10	NRST		-	-
IC20 IC21	1	CS	I/O	-	-
	2	SO	I/O	-	-
	3	WP	-	Write Protect: Disable	Write Protect: Enable
	4	VSS(GND)	-	-	-
	5	SI	I/O	-	-
	6	SCLK	I/O	-	-
	7	HOLD	-	Reset	Hold
	8	VDD	-	-	-

PSU1, 4, 6, 8 Pin Assign Information

Connector		Signal Information			
No.	Pin No.	Signal Name	Direction	H	L
CN425	1	GND	G		
	2	PONENG_N	I	Engine Off	Engine On
	3	VEPCNV_RDY_N	O	5V Output On (Energy Saving Mode)	Switching to 5.2V Output: Ready Signal (Exit Energy Saving Mode)
	4	VXCNV_LV_N	I	5V Output On (Energy Saving Mode)	Switching to 5.2V Output: Indication (Exit Energy Saving Mode)
	5	PON_VEPCNV_N	I	5V Output On (Energy Saving Mode)	5.2V Output On (Exit Energy Saving Mode)
CN426	1	GND	G	-	-
	2	EX_5V	P	-	-
	3	+5VX	P	-	-
	4	DOOR_OPEN	O	-	-
CN441	1	AC_L	P	-	-
	2	AC_N	P	-	-
CN442	1	+5VX	P	-	-
	2	+5VX	P	-	-
	3	GND	G	-	-
	4	GND	G	-	-
CN443	1	+5V	P	-	-
	2	+5V	P	-	-
	3	+5V	P	-	-
	4	+5V	P	-	-
	5	+5V	P	-	-
	6	+5V	P	-	-
	7	GND	G	-	-
	8	GND	G	-	-
	9	GND	G	-	-
	10	GND	G	-	-
	11	GND	G	-	-
	12	GND	G	-	-
CN444	1	+24V	P	-	-
	2	+24V	P	-	-
	3	+24V	P	-	-
	4	+24V	P	-	-
	5	GND	G	-	-
	6	GND	G	-	-
	7	GND	G	-	-
	8	GND	G	-	-
CN445	1	+24V	P	-	-
	2	+24V	P	-	-
	3	+24V	P	-	-
	4	+24V	P	-	-
	5	+24V	P	-	-
	6	GND	G	-	-
	7	GND	G	-	-
	8	GND	G	-	-
	9	GND	G	-	-
	10	GND	G	-	-
CN446	1	GND	G	-	-
	2	GND	G	-	-
	3	GND	G	-	-
	4	GND	G	-	-
	5	+24V	P	-	-
	6	+24V	P	-	-
	7	+24V	P	-	-
	8	+24V	P	-	-
CN447	1	GND	G	-	-
	2	GND	G	-	-
	3	GND	G	-	-
	4	+24V	P	-	-
	5	+24V	P	-	-
	6	+24V	P	-	-
	7	+24V	P	-	-
CN448	1	GND	G	-	-
	2	GND	G	-	-
	3	GND	G	-	-
	4	GND	G	-	-
	5	GND	G	-	-
	6	GND	G	-	-
	7	+24V	P	-	-
	8	+24V	P	-	-
	9	+24V	P	-	-
	10	+24V	P	-	-
	11	+24V	P	-	-
	12	+24V	P	-	-
CN449	1	5VSW	P	-	-
	2	5VS	P	Front Doors (Imaging Section): Close	Front Doors (Imaging Section): Open

PSU2, 5, 7, 9 Pin Assign Information

Connector		Signal Information			
No.	Pin No.	Signal Name	Direction	H	L
CN425	1	GND	G		
	2	P_ONENG_N	I	24V Output Off	24V Output On
CN441	1	AC_L	P	-	-
	2	AC_N	P	-	-
CN442	1	5VX	P	-	-
	2	5VX	P	-	-
	3	GND	G	-	-
	4	GND	G	-	-
CN443	1	5V	P	-	-
	2	5V	P	-	-
	3	5V	P	-	-
	4	5V	P	-	-
	5	5V	P	-	-
	6	5V	P	-	-
	7	GND	G	-	-
	8	GND	G	-	-
	9	GND	G	-	-
	10	GND	G	-	-
	11	GND	G	-	-
	12	GND	G	-	-
CN444	1	24V	P	-	-
	2	24V	P	-	-
	3	24V	P	-	-
	4	24V	P	-	-
	5	GND	G	-	-
	6	GND	G	-	-
	7	GND	G	-	-
	8	GND	G	-	-
CN445	1	24V	P	-	-
	2	24V	P	-	-
	3	24V	P	-	-
	4	24V	P	-	-
	5	24V	P	-	-
	6	GND	G	-	-
	7	GND	G	-	-
	8	GND	G	-	-
	9	GND	G	-	-
	10	GND	G	-	-
CN446	1	GND	G	-	-
	2	GND	G	-	-
	3	GND	G	-	-
	4	GND	G	-	-
	5	24V	P	-	-
	6	24V	P	-	-
	7	24V	P	-	-
	8	24V	P	-	-
CN447	1	GND	G	-	-
	2	GND	G	-	-
	3	GND	G	-	-
	4	24V	P	-	-
	5	24V	P	-	-
	6	24V	P	-	-
	7	24V	P	-	-
	8	NU	N	-	-
	9	NU	N	-	-
CN448	1	GND	G	-	-
	2	GND	G	-	-
	3	GND	G	-	-
	4	GND	G	-	-
	5	24V	P	-	-
	6	24V	P	-	-
	7	24V	P	-	-
	8	24V	P	-	-
	9	24V	P	-	-
	10	NU	N	-	-
	11	NU	N	-	-
	12	NU	N	-	-

PSU3 Pin Assign Information

Connector		Signal Information			
No.	Pin No.	Signal Name	Direction	H	L
CN409	1	+5.1V	P	-	-
	2	+5.1V	P	-	-
	3	GND	G	-	-
	4	GND	G	-	-
	5	+12V	P	-	-
	6	+12V	P	-	-
	7	GND	G	-	-
	8	GND	G	-	-
	9	+24V1	P	-	-
	10	+24V1	P	-	-
	11	GND	G	-	-
	12	GND	G	-	-
CN410	1	+5.1VE	P	-	-
	2	+5.1VE	P	-	-
	3	+5.1VE	P	-	-
	4	+5.1VE	P	-	-
	5	GND	G	-	-
	6	GND	G	-	-
	7	GND	G	-	-
	8	GND	G	-	-
	9	GND	G	-	-
	10	GND	G	-	-
	11	+12V	P	-	-
	12	+12V	P	-	-
	13	+24V1	P	-	-
CN411	1	+5.1V	P	-	-
	2	+5.1V	P	-	-
	3	+5.1V	P	-	-
	4	GND	G	-	-
	5	GD	G	-	-
CN412	1	+24V1	P	-	-
	2	GND	G	-	-
	3	GND	G	-	-
	4	+5.1V	P	-	-
CN413	1	+24V1	P	-	-
	2	+24V1	P	-	-
	3	GND	G	-	-
	4	GND	G	-	-
	5	GND	G	-	-
	6	+5.1V	P	-	-
	7	GND	G	-	-
	8	+24V1	P	-	-
CN414	1	GND	G	-	-
	2	+5.1V	P	-	-
	3	GND	G	-	-
	4	GND	G	-	-
	5	GND	G	-	-
	6	GND	G	-	-
	7	GND	G	-	-
	8	+24V1	P	-	-
	9	+24V1	P	-	-
	10	+24V1	P	-	-
	11	+24V2	P	-	-
	12	+24V2	P	-	-
	13	+24V2	P	-	-
	14	+24V2	P	-	-
CN415	1	PSU_FAN1	P	-	-
	2	PSU_FAN2	P	-	-
	3	SW_TRG1(PON_ENG)	I	24V Output Off	24V Output On
	4	SW_TRG2(PON_ENG)	I	24V Output Off	24V Output On
	5	GND	G		
CN416	1	GND	G	-	-
	2	+5.1V	P	-	-
	3	+24V1	P	-	-
	4	GND	G	-	-
CN421	1	PSU_FAN1_ON	I	-	-
	2	PSU_FAN1_L	O	-	-
	3	GND	G	-	-
CN422	1	PSU_FAN2_ON	I	-	-
	2	PSU_FAN2_L	O	-	-
	3	GND	G	-	-
CN426	1	PSU_F_L1	I	-	-
	2	PSU_F_L2	I	-	-
T115	1	SW-L	P	-	-
T116	1	SW-N	P	-	-

Data Transfer Unit Pin Assign Information

Connector		Signal Information			
No.	Pin No.	Signal Name	Direction	H	L
CN100	1	VBY1_FROMDFE0_P	I	-	-
	2	GND	G	-	-
	3	VBY1_FROMDFE0_N	I	-	-
	4	VBY1_FROMDFE1_P	I	-	-
	5	GND	G	-	-
	6	VBY1_FROMDFE1_N	I	-	-
	7	VBY1_FROMDFE2_P	I	-	-
	8	GND	G	-	-
	9	VBY1_FROMDFE2_N	I	-	-
	10	VBY1_FROMDFE3_P	I	-	-
	11	GND	G	-	-
	12	VBY1_FROMDFE3_N	I	-	-
	13	GND	G	-	-
	14	ACSWOF_DTU_N	O	Data Transfer Unit: Off	Data Transfer Unit: On
	15	VBY1_P_LINK_P	O	-	-
	16	GND	G	-	-
	17	VBY1_P_LINK_N	O	-	-
	18	GND	G	-	-
	19	GND	G	-	-
	20	GND	G	-	-
CN101	1	VBY1_FROMDFE4_P	I	-	-
	2	GND	G	-	-
	3	VBY1_FROMDFE4_N	I	-	-
	4	VBY1_FROMDFE5_P	I	-	-
	5	GND	G	-	-
	6	VBY1_FROMDFE5_N	I	-	-
	7	VBY1_FROMDFE6_P	I	-	-
	8	GND	G	-	-
	9	VBY1_FROMDFE6_N	I	-	-
	10	GND	G	-	-
	11	GND	G	-	-
	12	GND	G	-	-
	13	EX_LOCK_N	I	DFE: UnLock	DFE: Lock
	14	BASE_LOCK_N	O	Data Transfer Unit: Unlock	Data Transfer Unit: Lock
	15	GND	G	-	-
	16	GND	G	-	-
	17	GND	G	-	-
	18	GND	G	-	-
	19	GND	G	-	-
	20	GND	G	-	-
CN102	1	BCU_PCNT_INT_1	O	Interrupt	Not Interrupt
	2	BCU_PCNT_INT_2	O	Interrupt	Not Interrupt
	3	BCU_PCNT_INT_3	O	Interrupt	Not Interrupt
	4	BCU_PCNT_INT_4	O	Interrupt	Not Interrupt
	5	SYCS_N	I	Disable	Enable
	6	GND	G	-	-
	7	SYCLK	I	-	-
	8	SYDI	I	-	-
	9	SYDO	O	-	-
	10	GND	G	-	-
CN103	1	24V	P	-	-
	2	N.C	R	-	-
	3	GND	G	-	-
	4	GND	G	-	-
	5	ACSWON_N	O	Main Power Switch: On	Main Power Switch: Off
	6	WAKE_N	R	-	-
	7	GND	G	-	-
	8	REFCLK1_P	I	-	-
	9	REFCLK1_N	I	-	-
	10	GND	G	-	-
	11	REFCLK0_P	I	-	-
	12	REFCLK0_N	I	-	-

Data Transfer Unit Pin Assign Information

Connector		Signal Information			
No.	Pin No.	Signal Name	Direction	H	L
CN103	13	GND	G	-	-
	14	PCIE_TX_EX3_P(0)	I	-	-
	15	PCIE_TX_EX3_N(0)	I	-	-
	16	GND	G	-	-
	17	PCIE_RX_EX3_P(0)	O	-	-
	18	PCIE_RX_EX3_N(0)	O	-	-
	19	GND	G	-	-
	20	PCIE_TX_EX3_P(1)	I	-	-
	21	PCIE_TX_EX3_N(1)	I	-	-
	22	GND	G	-	-
	23	PCIE_RX_EX3_P(1)	O	-	-
	24	PCIE_RX_EX3_N(1)	O	-	-
	25	GND	G	-	-
	26	PCIE_TX_EX3_P(2)	I	-	-
	27	PCIE_TX_EX3_N(2)	I	-	-
	28	GND	G	-	-
	29	PCIE_RX_EX3_P(2)	O	-	-
	30	PCIE_RX_EX3_N(2)	O	-	-
	31	GND	G	-	-
	32	PCIE_TX_EX3_P(3)	I	-	-
	33	PCIE_TX_EX3_N(3)	I	-	-
	34	GND	G	-	-
	35	PCIE_RX_EX3_P(3)	O	-	-
	36	PCIE_RX_EX3_N(3)	O	-	-
	37	GND	G	-	-
	38	RT_SWRST_N	I	Reset Off	Reset On
	39	GND	G	-	-
	40	ACSWOFF	I	Relay Off	Relay On
	41	TIMER_UP1_N	I	The setting time is not elapses.	The setting time is elapses.
	42	GND	G	-	-
	43	GND	G	-	-
	44	GND	G	-	-
	45	GND	G	-	-
	46	GND	G	-	-
	47	PETXD	I	-	-
	48	PERXD	O	-	-
	49	GND	G	-	-
	50	TIMER_UP0_N	I	The setting time is not elapses.	The setting time is elapses.
	51	ENG_ENABLE_N	I	Engine: Determinded by command after Rapi has connected. Operation Panel: Determined by command after the interface of operation panel has connected.	Engine, Operation Panel: Start up normally.
	52	PONSNS_N1	R	-	-
	53	PONSNS_N0	I	-	-
	54	ENGRDY1_N	O	Busy	Ready
	55	GND	G	-	-
	56	ECO_SW_N	O	Off	On
	57	WKUP_L_N	O	-	Request for exiting from energy saver mode
	58	WKUP_E	O	Request for exiting from energy saver mode (Edge detection of 0 to 1, 1 to 0)	Request for exiting from energy saver mode (Edge detection of 0 to 1, 1 to 0)
	59	VDET_EPCI_DTU	O	PCI Express device of engine system: On	PCI Express device of engine system: Off
	60	PONENG_N	I	Power of engine system: Off	Power of engine system: On
	61	GND	G	-	-
	62	POKUSB	I	On	Off
	63	SDMODE_N	I	Not Inform	Inform
	64	GND	G	-	-
	65	OPE_USB_P	I/O	-	-
	66	OPE_USB_N	I/O	-	-
	67	GND	G	-	-
	68	PONOPE_N	I	Off	On
	69	POKOPE	O	On	Off
	70	GND	G	-	-
	71	PWRON_1	O	-	-
	72	NC	R	-	-
	73	GND	G	-	-
	74	GND	G	-	-
	75	GND	G	-	-
	76	GND	G	-	-
	77	GND	G	-	-
	78	N.C.	R	-	-
	79	+5VX	P	-	-
	80	+5VX	P	-	-
	81	+5VX	P	-	-
	82	+5VX	P	-	-
	83	+5VX	P	-	-
	84	+5VX	P	-	-
	85	+5VX	P	-	-
	86	+5VX	P	-	-
	87	+5VX	P	-	-
	88	+5VX	P	-	-
	89	+5VX	P	-	-
	90	+5VX	P	-	-
	91	+5VX	P	-	-
	92	+5VX	P	-	-
	93	+5VX	P	-	-
	94	+5VX	P	-	-
	95	+5VX	P	-	-
	96	+5VX	P	-	-
	97	+5VX	P	-	-
	98	+5VX	P	-	-
	99	+5VX	P	-	-
	100	+5VX	P	-	-
	101	+5VX	P	-	-
	102	+5VX	P	-	-
	103	+5VX	P	-	-
	104	+5VX	P	-	-
	105	+5VX	P	-	-
	106	+5VX	P	-	-
	107	N.C.	R	-	-
	108	GND	G	-	-
	109	GND	G	-	-
	110	GND	G	-	-
	111	N.C.	R	-	-
	112	+12V	P	-	-
	113	+12V	P	-	-
	114	+12V	P	-	-
	115	+12V	P	-	-
	116	+12V	P	-	-
	117	+12V	P	-	-
	118	+12V	P	-	-
	119	+12V	P	-	-
	120	+12V	P	-	-
	121	+12V	P	-	-
	122	+12V	P	-	-
	123	+12V	P	-	-
	124	+12V	P	-	-
	125	N.C.	R	-	-
	126	GND	G	-	-
	127	OP2_TCLK	I	-	-
	128	OP2_TXD	I	-	-
	129	OP2_REQ	O	-	-
	130	OP2_RCLK	I	-	-
	131	OP2_RXD	O	-	-
	132	GND	G	-	-
	133	PON_VEPCNV_N	I	5V Output Off	5V Output On
	134	OPE_CTLERR_N	I	-	Error (SC816)
	135	VXCNV_LV_N	I	5V Output On	Low Voltage Output On
	136	VEPCNV_RDY_N	O	5V Output: Not Stable	5V Output: Stable
	137	LDET_IN_N	O	-	Request of status transition
	138	FUKKI	I	Startup from energy saving mode	Startup from turning on the main power switch
	139	LDET_ACSWOFF_N	I	AC Power Switch: On	AC Power Switch: Off
	140	GND	G	-	-

Data Transfer Unit Pin Assign Information

Connector		Signal Information			
No.	Pin No.	Signal Name	Direction	H	L
CN104	1	+24V	P	-	-
	2	N.C.	R	-	-
	3	GND	G	-	-
	4	GND	G	-	-
	5	ACSWON_N	O	Main Power Switch: Off	Main Power Switch: On
	6	WAKE_N	R	-	-
	7	GND	G	-	-
	8	PCIE_REFCLK1_I_P	I	-	-
	9	PCIE_REFCLK1_I_N	I	-	-
	10	GND	G	-	-
	11	PCIE_REFCLK0_I_P	I	-	-
	12	PCIE_REFCLK0_I_N	I	-	-
	13	GND	G	-	-
	14	PCIE_TX_IPU_P(0)	I	-	-
	15	PCIE_TX_IPU_N(0)	I	-	-
	16	GND	G	-	-
	17	PCIE_RX_IPU_P(0)	O	-	-
	18	PCIE_RX_IPU_N(0)	O	-	-
	19	GND	G	-	-
	20	PCIE_TX_IPU_P(1)	I	-	-
	21	PCIE_TX_IPU_N(1)	I	-	-
	22	GND	G	-	-
	23	PCIE_RX_IPU_P(1)	O	-	-
	24	PCIE_RX_IPU_N(1)	O	-	-
	25	GND	G	-	-
	26	PCIE_TX_IPU_P(2)	I	-	-
	27	PCIE_TX_IPU_N(2)	I	-	-
	28	GND	G	-	-
	29	PCIE_RX_IPU_P(2)	O	-	-
	30	PCIE_RX_IPU_N(2)	O	-	-
	31	GND	G	-	-
	32	PCIE_TX_IPU_P(3)	I	-	-
	33	PCIE_TX_IPU_N(3)	I	-	-
	34	GND	G	-	-
	35	PCIE_RX_IPU_P(3)	O	-	-
	36	PCIE_RX_IPU_N(3)	O	-	-
	37	GND	G	-	-
	38	PERST_IPU_N	I	Reset Off	Reset On
	39	GND	G	-	-
	40	ACSWOFF	I	Relay Off Rocker Switch: Off	Relay On -
	41	TIMER_UP1_N	I	The setting time is not elapses.	The setting time is elapses.
	42	GND	G	-	-
	43	GND	G	-	-
	44	GND	G	-	-
	45	GND	G	-	-
	46	GND	G	-	-
	47	PETXD	I	-	-
	48	PERXD	O	-	-
	49	GND	G	-	-
	50	TIMER_UP0_N	I	The setting time is not elapses.	The setting time is elapses.
	51	ENG_ENABLE_N	I	Engine: Determinded by command after Rapi has connected. Operation Panel: Determined by command after the interface of operation panel has connected.	Engine, Operation Panel: Start up normally.
	52	PONSENS1_N	R	-	-
	53	PONSENS0_N	I	-	-
	54	ENGRDY1_N	O	Busy	Ready
	55	GND	G	-	-
	56	ECO_SW_N	O	Off	On
	57	WKUP_L_N	O	-	Request for exiting from energy saver mode
	58	WKUP_E	O	Request for exiting from energy saver mode (Edge detection of 0 to 1, 1 to 0)	Request for exiting from energy saver mode (Edge detection of 0 to 1, 1 to 0)
	59	VDET_EPCI_DTU	O	PCI Express device of engine system: On	PCI Express device of engine system: Off
	60	PONENG_N	I	Power of engine system: Off	Power of engine system: On
	61	GND	G	-	-
	62	POKUSB	I	-	-
	63	SDMODE_N	I	Not Inform	Inform
	64	GND	G	-	-
	65	OPE_USB_P	I/O	-	-
	66	OPE_USB_M	I/O	-	-
	67	GND	G	-	-
	68	PONOPE_N	I	-	-
	69	POKOPE	O	-	-
	70	GND	G	-	-
	71	+5V_IPU	O	-	-
	72	N.C.	R	-	-
	73	GND	G	-	-
	74	GND	G	-	-
	75	GND	G	-	-
	76	GND	G	-	-
	77	GND	G	-	-
	78	N.C.	R	-	-
	79	+5VX	P	-	-
	80	+5VX	P	-	-
	81	+5VX	P	-	-
	82	+5VX	P	-	-
	83	+5VX	P	-	-
	84	+5VX	P	-	-
	85	+5VX	P	-	-
	86	+5VX	P	-	-
	87	+5VX	P	-	-
	88	+5VX	P	-	-
	89	+5VX	P	-	-
	90	+5VX	P	-	-
	91	+5VX	P	-	-
	92	+5VX	P	-	-
	93	+5VX	P	-	-
	94	+5VX	P	-	-
	95	+5VX	P	-	-
	96	+5VX	P	-	-
	97	+5VX	P	-	-
	98	+5VX	P	-	-
	99	+5VX	P	-	-
	100	+5VX	P	-	-
	101	+5VX	P	-	-
	102	+5VX	P	-	-
	103	+5VX	P	-	-
	104	+5VX	P	-	-
	105	+5VX	P	-	-
	106	+5VX	P	-	-
	107	N.C.	R	-	-
	108	GND	G	-	-
	109	GND	G	-	-
	110	GND	G	-	-
	111	N.C.	R	-	-
	112	+12V	P	-	-
	113	+12V	P	-	-
	114	+12V	P	-	-
	115	+12V	P	-	-
	116	+12V	P	-	-
	117	+12V	P	-	-
	118	+12V	P	-	-
	119	+12V	P	-	-
	120	+12V	P	-	-
	121	+12V	P	-	-
	122	+12V	P	-	-
	123	+12V	P	-	-
	124	+12V	P	-	-
	125	N.C.	R	-	-
	126	GND	G	-	-
	127	OP2_TCLK	I	-	-
	128	OP2_TXD	I	-	-
	129	OP2_REQ	O	-	-
	130	OP2_RCLK	I	-	-

Data Transfer Unit Pin Assign Information

Connector		Signal Information			
No.	Pin No.	Signal Name	Direction	H	L
CN104	131	OP2_RXD	O	-	-
	132	GND	G	-	-
	133	PONVEP_CONV_N	I	5V Output Off	5V Output On
	134	OPE_CTLERR_N	I	-	Error (SC816)
	135	VXCNV_LV	I	5V Output On	Low Voltage Output On
	136	VEPCNV_RDY_N	O	5V Output: Not Stable	5V Output: Stable
	137	LDET_IN_N	O	-	Request of status transition
	138	FUKKI	I	Startup from energy saving mode	Startup from turning on the main power switch
	139	LDET_ACSWOF_N	I	AC Power Switch: On	AC Power Switch: Off
	140	GND	G	-	-
CN105	1	+5V_IN	P	-	-
	2	+5V_IN	P	-	-
	3	GND	G	-	-
	4	GND	G	-	-
CN303	1	JTAG_TCK	I	-	-
	2	GND	G	-	-
	3	JTAG_TDO	O	-	-
	4	+3.3V_1	P	-	-
	5	JTAG_TMS	I	-	-
	6	N.C.	N	-	-
	7	N.C.	N	-	-
	8	N.C.	N	-	-
	9	JTAG_TDI	I	-	-
	10	GND	G	-	-
CN305	1	USB_VBOUT0	P	-	-
	2	USB0_D_N	I/O	-	-
	3	USB0_D_P	I/O	-	-
	4	GND	G	-	-
CN308	1	+5V_IPU	P	-	-
	2	+5V_1	P	-	-
	3	+5V_1	P	-	-
	4	+5VX_DTU	P	-	-
CN310	1	VDET_EPCI	I	-	-
	2	CN310_P2	P	-	-
CN311	1	FPGA_DBG_TXD	O	-	-
	2	GND	G	-	-
	3	FPGA_DBG_RXD	I	-	-
CN312	1	FPGA_DBG_MS_TXD	O	-	-
	2	GND	G	-	-
	3	FPGA_DBG_MS_RXD	I	-	-
CN317	1	RT_SWRST_N	I/O	-	-
	2	-	I/O	-	-

Giga-Ethernet Board Pin Assign Information

Connector		Signal Information			
No.	Pin No.	Signal Name	Direction	H	L
CN1	A1	PRSNT1#	-	-	-
	A2	+12V	-	-	-
	A3	+12V	-	-	-
	A4	GND	-	-	-
	A5	JTAG2	-	-	-
	A6	JTAG3	-	-	-
	A7	JTAG4	-	-	-
	A8	JTAG5	-	-	-
	A9	+3.3V	-	-	-
	A10	+3.3V	-	-	-
	A11	PERST#	I	-	-
	A12	GND	-	-	-
	A13	REFCLK+	I	-	-
	A14	REFCLK-	I	-	-
	A15	GND	-	-	-
	A16	PERp0	O	-	-
	A17	PERn0	O	-	-
	A18	GND	-	-	-
	B1	+12V	-	-	-
	B2	+12V	-	-	-
	B3	RSVD	-	-	-
	B4	GND	-	-	-
	B5	SMBCLK	I	-	-
	B6	SMBDAT	I/O	-	-
	B7	GND	-	-	-
	B8	+3.3V	-	-	-
	B9	JTAG1	-	-	-
	B10	+3.3VAUX	-	-	-
	B11	WAKE#	O	-	DFE: Recover to STR state (After recoveing to STR state, signal stays at high logic level)
	B12	RSVD	-	-	-
	B13	GND	-	-	-
	B14	PETp0	I	-	-
	B15	PETn0	I	-	-
	B16	GND	-	-	-
	B17	PRSNT2#	-	-	-
	B18	GND	-	-	-
CN2 (ON board LAN(RJ-45))	1	RS	I/O	-	-
	2	ER	I/O	-	-
	3	SD	I/O	-	-
	4	SG	I/O	-	-
	5	SG	I/O	-	-
	6	RD	I/O	-	-
	7	DR	I/O	-	-
	8	CS	I/O	-	-
CN2 (Solder Side)	1	CH_GND	-	-	-
	2	VCC	-	-	-
	3	MX3+	I/O	-	-
	4	MX3-	I/O	-	-
	5	MX2+	I/O	-	-
	6	MX2-	I/O	-	-
	7	MX1+	I/O	-	-
	8	MX1-	I/O	-	-
	9	MX0+	I/O	-	-
	10	MX0-	I/O	-	-
	D1	D1	O	-	-
	D2	D2	I	-	-
	D3	D3	O	-	-
	D4	D4	I	-	-

CRB Pin Assign Information

Connector		Signal Information			
No.	Pin No.	Signal Name	Direction	H	L
CN341	1	+24VS	P	-	-
	2	ZDRB_LED_R_CC	I	-	-
	3	ZDRB_LED_G_CC	I	-	-
	4	ZDRB_LED_B_CC	I	-	-
	5	GND	G	-	-
	6	ZDRB_CIS_CLK	I	-	-
	7	ZDRB_CIS_SYNC	I	-	-
	8	ZDRB_CIS_MODE	I	600dpi	300dpi
	9	ZDRB_COMP_TH_PWM	I	-	-
	10	+5V	P	-	-
	11	ZDRB_CIS_VOUT0	O	No Paper	Paper
	12	ZDRB_CIS_VOUT1	O	No Paper	Paper
	13	ZDRB_CIS_VOUT2	O	No Paper	Paper
CN342	1	CCSPVSN_LR-K	I	-	-
	2	CCSPVSN_LG-K	I	-	-
	3	CCSPVSN_LB-K	I	-	-
	4	CCSPVSN_LED-A	P	-	-
	5	CCSPVSN_CLK	O	-	-
	6	CCSPVSN_SP	O	-	-
	7	VREF	P	-	-
	8	VCC	P	-	-
	9	GND	G	-	-
	10	CCSPVSN_MODE	O	600dpi	300dpi
	11	CCSPVSN_SNS	I	-	-
	12	GND	G	-	-
	13	CCSPVSN_SN1	I	-	-
	14	GND	G	-	-
	15	CCSPVSN_SN2	I	-	-

T-ACT Sensor Pin Assign Information

Connector		Signal Information			
No.	Pin No.	Signal Name	Direction	H	L
CN100	1	TACT_AN	O	-	-
	2	TACT_DIN	O	Paper	No Paper
	3	PWM_LED_ON	I	-	-
	4	GND	G	-	-
	5	+5V	P	-	-

Drum Cleaning HVP Pin Assign Information

Connector		Signal Information			
No.	Pin No.	Signal Name	Direction	H	L
CN183	1	24V	P	-	-
	2	GND	G	-	-
	3	TT1_PP_PWM	I	-	-
	4	TT1_PP_LK	O	Error	Normal
	5	TT1_PP_FB_V	O	-	-
	6	TT1_PP_CCCV	I	-	-
	7	TT1_PP_FB_I	N	-	-
T152	1	T1	O	-	-

Charge/Development HVP Pin Assign Information

Connector		Signal Information			
No.	Pin No.	Signal Name	Direction	H	L
CN151	1	+24V	P	-	-
	2	+24V	P	-	-
	3	PGND	G	-	-
	4	PGND	G	-	-
	5	PWM_C1	I	-	-
	6	SC_C1	O	Error	Normal
	7	PWM_C2	I	-	-
	8	SC_C2	O	Error	Normal
	9	PWM_G	I	-	-
	10	SC_G	O	Error	Normal
	11	PWM_B	I	-	-
	12	SC_B	O	Error	Normal
CN154	1	G	O	-	-
	3	N.C.	N	-	-
	5	N.C.	N	-	-
	7	B	O	-	-
T152	1	C1	O	-	-
T153	1	C2	O	-	-

ITB Cleaning HVP (-) Pin Assign Information

Connector		Signal Information			
No.	Pin No.	Signal Name	Direction	H	L
CN196	1	24V	P	-	-
	2	GND	G	-	-
	3	TT2_PP_PWM_DC	N	-	-
	4	TT2_PP_LK	O	Error	Normal
	5	TT2_PP_FB_V	N	-	-
	6	TT2_PP_B_PWM_DC	N	-	-
	7	TT2_PP_CCCV	I	-	-
	8	TT2_PP_FB_I	O	-	-
	9	TT2_PP_PWM_DC_CV	I	-	-
T157	1	T2	O	-	-

ITB Cleaning HVP (+) Pin Assign Information

Connector		Signal Information			
No.	Pin No.	Signal Name	Direction	H	L
CN183	1	24V	P	-	-
	2	GND	G	-	-
	3	TT1_PP_PWM	I	-	-
	4	TT1_PP_LK	O	Error	Normal
	5	TT1_PP_FB_V	O	-	-
	6	TT1_PP_CCCV	I	-	-
	7	TT1_PP_FB_I	N	-	-
T152	1	T1	O	-	-

Transfer Power Pack Pin Assign Information

Connector		Signal Information			
No.	Pin No.	Signal Name	Direction	H	L
CN790	1	+24V	P	-	-
	2	+24V	P	-	-
	3	GND	G	-	-
	4	GND	G	-	-
	5	N.C.	N	-	-
	6	PWM_T2	N	-	-
	7	T2_ALM	N	-	-
	8	PWM_T1_Y	I	-	-
	9	T1_Y_ALM	O	Error	Normal
	10	PWM_T1_M	I	-	-
	11	T1_M_ALM	O	Error	Normal
	12	PWM_T1_C	I	-	-
	13	T1_C_ALM	O	Error	Normal
	14	PWM_T1_K	I	-	-
	15	T1_K_ALM	O	Error	Normal
	16	N.C.	N	-	-
	17	T2_AN	N	-	-
	18	T1_Y_AN	O	-	-
	19	T1_M_AN	O	-	-
	20	T1_C_AN	O	-	-
	21	T1_K_AN	O	-	-
	22	GND	G	-	-
	23	N.C.	N	-	-
	24	N.C.	N	-	-
T2	1	T2	N	-	-
T1C	1	T1_C	O	-	-
T1K	1	T1_K	O	-	-
T1M	1	T1_M	O	-	-
T1Y	1	T1_Y	O	-	-

AC Power Pack Pin Assign Information

Connector		Signal Information			
No.	Pin No.	Signal Name	Direction	H	L
CN156	1	TT2_PP_2TDC_IF	N	-	-
	2	TT2_PP_2TAC_IF	O	-	-
CN154	1	24V	P	-	-
	2	GND	G	-	-
	3	PP_2TAC_PWM	I	-	-
	4	PP_2TAC_LK	O	Error	Normal
	5	PP_2TAC_DUTY	I	-	-
T171	1	T2 (DC)	I	-	-
T172	1	T2 (AC)	O	-	-

DC Power Pack Pin Assign Information

Connector		Signal Information			
No.	Pin No.	Signal Name	Direction	H	L
CN155	1	TT2_PP_2TAC_IF	I	-	-
	2	TT2_PP_2TDC_IF	N	-	-
CN196	1	24V	P	-	-
	2	GND	G	-	-
	3	TT2_PP_PWM_DC	I	-	-
	4	TT2_PP_LK	O	Error	Normal
	5	TT2_PP_FB_V	O	-	-
	6	TT2_PP_B_PWM_DC	N	-	-
	7	TT2_PP_CCCV	I	-	-
	8	TT2_PP_FB_I	O	-	-
	9	TT2_PP_PWM_DC_CV	I	-	-
T157	1	T2	O	-	-

M205/M238 ELECTRICAL COMPONENT LAYOUT (1/11)

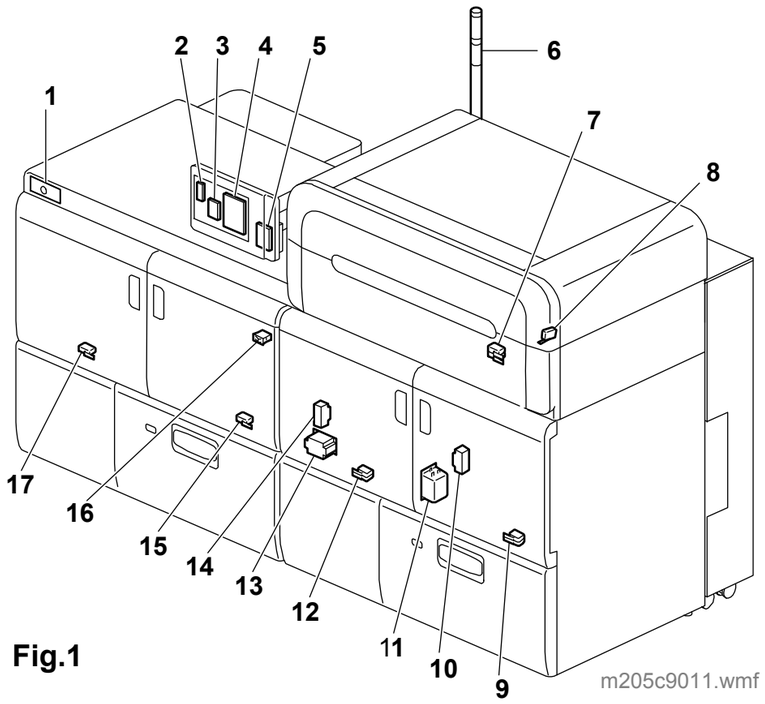


Fig.1

m205c9011.wmf

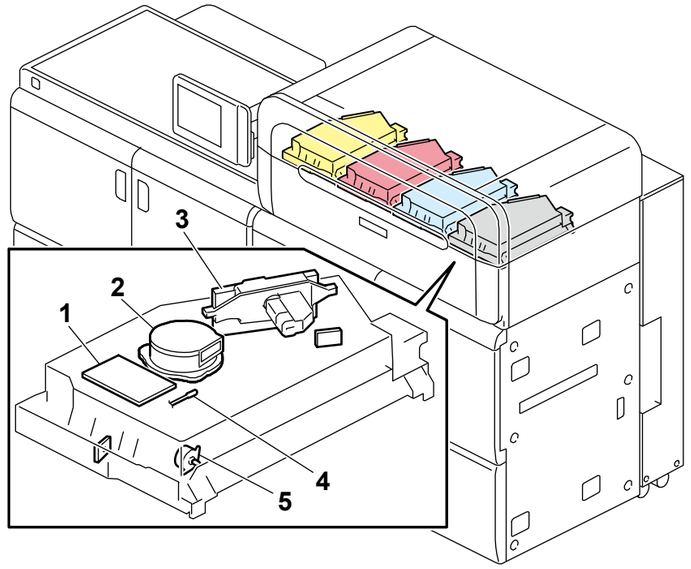
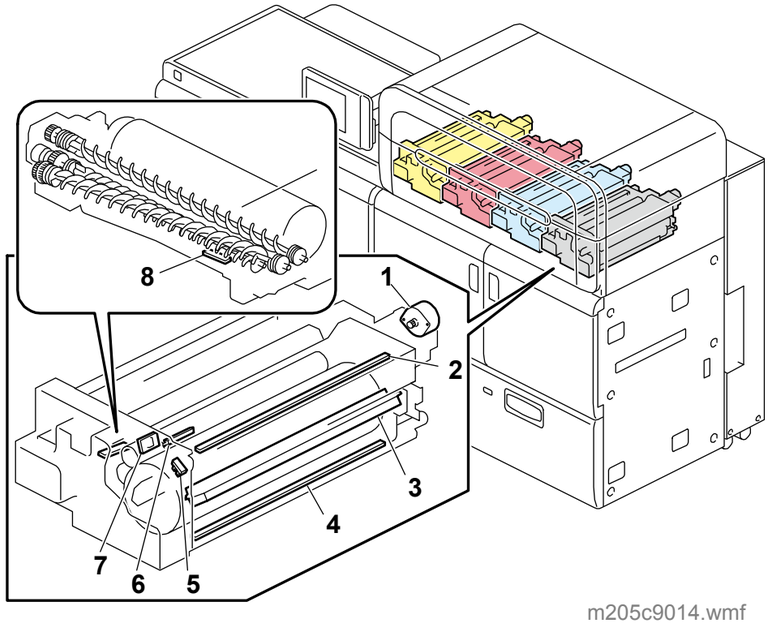


Fig.2

m205a4136.wmf



m205c9014.wmf

Fig.3

Symbol	Index No.	Description	P to P	Page
Switches				
SW1	Fig.1-7	Interlock Switch: Upper Front Cover 1	A15	1/8
SW2	Fig.1-7	Interlock Switch: Upper Front Cover 2	A15	1/8
SW3	Fig.1-9	Interlock Switch: Right Front Door (Imaging Section) 1	A15	1/8
SW4	Fig.1-9	Interlock Switch: Right Front Door (Imaging Section) 2	B15	1/8
SW5	Fig.1-12	Interlock Switch: Left Front Door (Imaging Section) 1	B15	1/8
SW6	Fig.1-12	Interlock Switch: Left Front Door (Imaging Section) 2	B15	1/8
SW11	Fig.1-8	Toner Hopper Cover Open Switch	H8	3/8
SW7	Fig.3-3	Lubricant End Detection Switch (Y)	E1	3/8
SW8	Fig.3-3	Lubricant End Detection Switch (M)	F1	3/8
SW9	Fig.3-3	Lubricant End Detection Switch (C)	G1	3/8
SW10	Fig.3-3	Lubricant End Detection Switch (K)	G1	3/8
SW14	Fig.1-16	AC Power Switch	A7	6/8
SW15	Fig.1-15	Interlock Switch: Right Front Door (Fusing Section)	E6	6/8
SW16	Fig.1-17	Interlock Switch: Left Front Door (Fusing Section)	E6	6/8
SW19	Fig.1-1	Main Power Switch (Push Switch)	I15	6/8
Others				
OT1	Fig.1-10	Breaker (Imaging Section)	C2	1/8
OT2	Fig.1-11	Noise Filter (Imaging Section)	C2	1/8
OT3	Fig.1-6	Operator Call Light	K11	1/8
OT4	Fig.1-14	Breaker (Fusing Section)	C4	6/8
OT5	Fig.1-13	Noise Filter (Fusing Section)	C5	6/8

Symbol	Index No.	Description	P to P	Page
PCBs				
PCB16	Fig.2-3	LD Board (Y)	A2	2/8
PCB17	Fig.2-3	LD Board (M)	B2	2/8
PCB18	Fig.2-3	LD Board (C)	C2	2/8
PCB19	Fig.2-3	LD Board (K)	E2	2/8
PCB48	Fig.1-3	LCDC	J15	6/8
-	Fig.1-2	OPU:TP	-	-
-	Fig.1-4	OPU:IO	-	-
-	Fig.1-5	SD Card/USB	-	-
PCB50	Fig.2-1	Polygon Motor PCB (Y)	A2	2/8
PCB51	Fig.2-1	Polygon Motor PCB (M)	B2	2/8
PCB52	Fig.2-1	Polygon Motor PCB (C)	D2	2/8
PCB53	Fig.2-1	Polygon Motor PCB (K)	E2	2/8
Sensors				
S19	Fig.3-7	Temperature/Humidity Sensor (K)	C4	3/8
S20	Fig.3-7	Temperature/Humidity Sensor (Y)	D4	3/8
S22	Fig.3-5	Cleaning Pad HP Sensor (Y)	D4	3/8
S23	Fig.3-5	Cleaning Pad HP Sensor (M)	D4	3/8
S24	Fig.3-5	Cleaning Pad HP Sensor (C)	D4	3/8
S25	Fig.3-5	Cleaning Pad HP Sensor (K)	E4	3/8
S26	Fig.3-6	Potential Sensor (Y)	H10	3/8
S27	Fig.3-6	Potential Sensor (M)	I10	3/8
S28	Fig.3-6	Potential Sensor (C)	I10	3/8
S29	Fig.3-6	Potential Sensor (K)	I10	3/8
S30	Fig.3-8	Toner Density Sensor (Y)	C15	3/8
S31	Fig.3-8	Toner Density Sensor (M)	E15	3/8
S32	Fig.3-8	Toner Density Sensor (C)	G15	3/8
S33	Fig.3-8	Toner Density Sensor (K)	I15	3/8
Motors				
M30	Fig.3-1	Charger Cleaning Motor (Y)	E9	3/8
M31	Fig.3-1	Charger Cleaning Motor (M)	E9	3/8
M32	Fig.3-1	Charger Cleaning Motor (C)	F9	3/8
M33	Fig.3-1	Charger Cleaning Motor (K)	F9	3/8
M98	Fig.2-2	Polygon Motor (Y)	A1	2/8
M99	Fig.2-5	Skew Motor (Y)	B2	2/8
M100	Fig.2-2	Polygon Motor (M)	B1	2/8
M101	Fig.2-5	Skew Motor (M)	C2	2/8
M102	Fig.2-2	Polygon Motor (C)	D1	2/8
M103	Fig.2-5	Skew Motor (C)	D2	2/8
M104	Fig.2-2	Polygon Motor (K)	E1	2/8
M105	Fig.2-5	Skew Motor (K)	E2	2/8
Lamps				
L1	Fig.3-2	Quenching Lamp 2 (Y)	A4	3/8
L2	Fig.3-2	Quenching Lamp 2 (M)	B4	3/8
L3	Fig.3-2	Quenching Lamp 2 (C)	B4	3/8
L4	Fig.3-2	Quenching Lamp 2 (K)	B4	3/8
L5	Fig.3-4	Quenching Lamp 1 (Y)	C14	3/8
L6	Fig.3-4	Quenching Lamp 1 (M)	E14	3/8
L7	Fig.3-4	Quenching Lamp 1 (C)	G14	3/8
L8	Fig.3-4	Quenching Lamp 1 (K)	J14	3/8
Thermistors				
S122	Fig.2-4	LD Unit Thermistor (Y)	B2	2/8
S123	Fig.2-4	LD Unit Thermistor (M)	C2	2/8
S124	Fig.2-4	LD Unit Thermistor (C)	D2	2/8
S125	Fig.2-4	LD Unit Thermistor (K)	E2	2/8

M205/M238 ELECTRICAL COMPONENT LAYOUT (2/11)

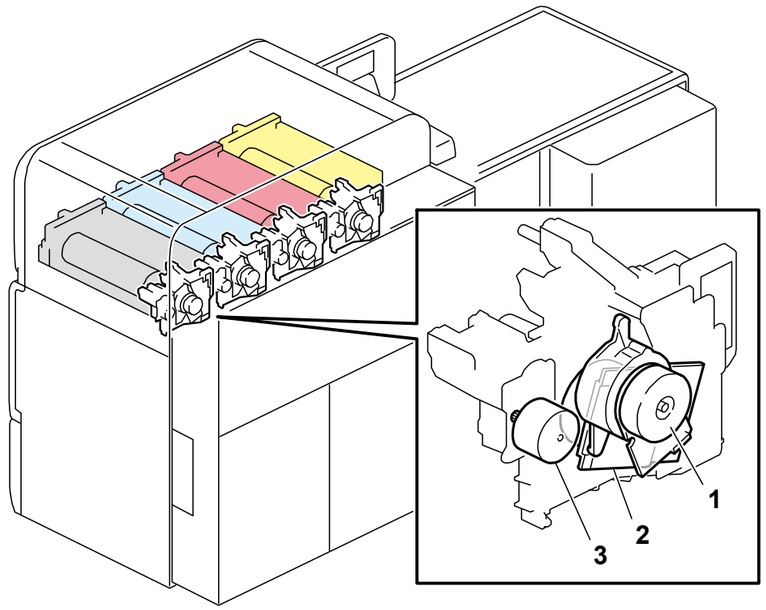


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Fig.4

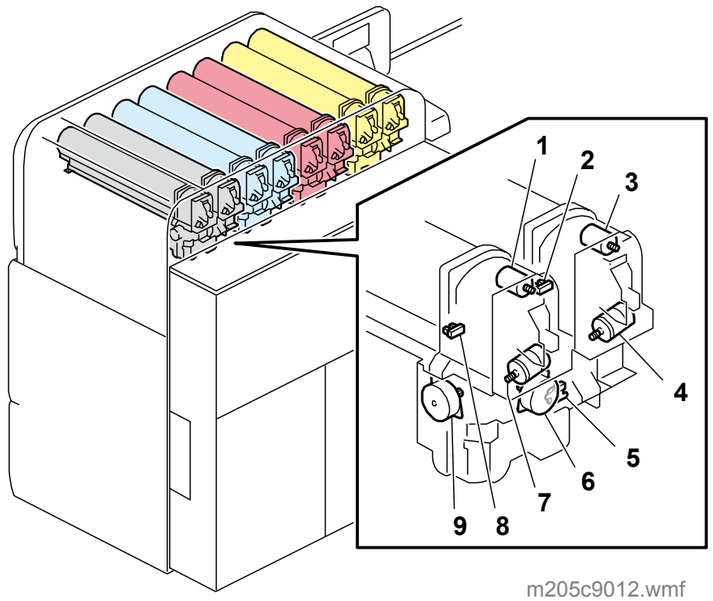

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Fig.5

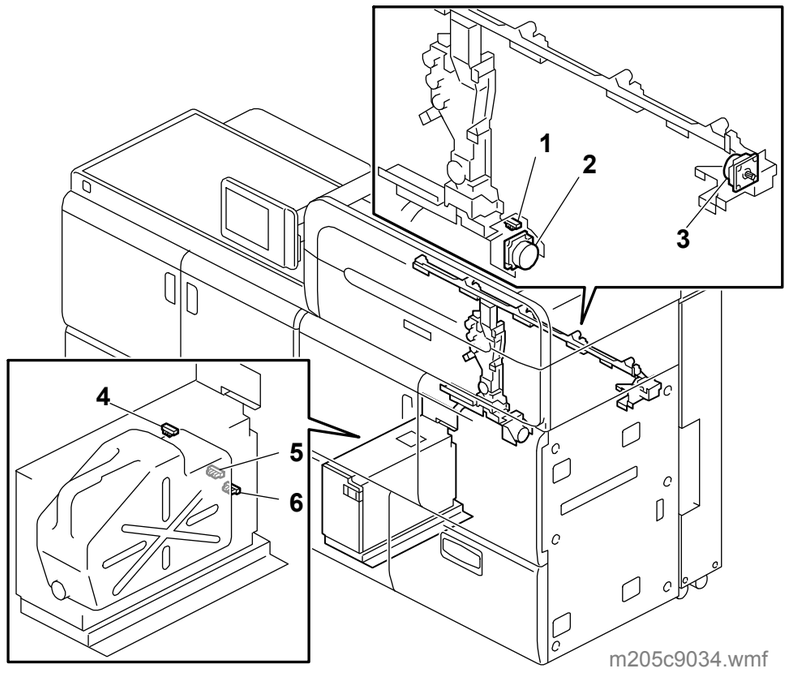

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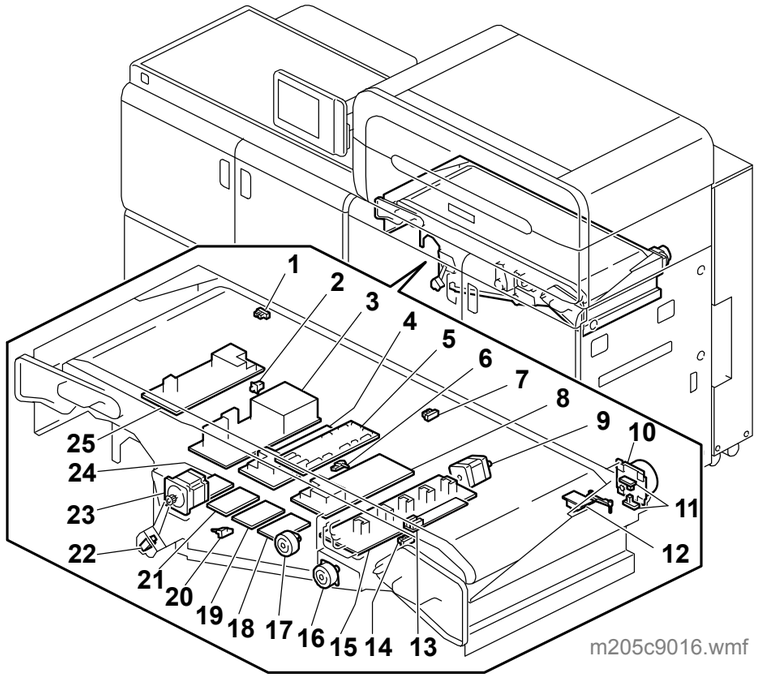
Fig.6

Symbol	Index No.	Description	P to P	Page
Sensors				
S1	Fig.6-6	Waste Toner Bottle Near Full Sensor	F3	2/8
S2	Fig.6-5	Waste Toner Bottle Full Sensor	F3	2/8
S3	Fig.6-4	Waste Toner Bottle Set Sensor	F3	2/8
S7	Fig.5-5	Toner End Sensor (Y)	J11	2/8
S8	Fig.5-5	Toner End Sensor (M)	K11	2/8
S9	Fig.5-5	Toner End Sensor (C)	K11	2/8
S10	Fig.5-5	Toner End Sensor (K)	K11	2/8
S11	Fig.5-2	Toner Bottle Detect Sensor (Y1)	A14	2/8
S12	Fig.5-8	Toner Bottle Detect Sensor (Y2)	B14	2/8
S13	Fig.5-2	Toner Bottle Detect Sensor (M1)	D14	2/8
S14	Fig.5-8	Toner Bottle Detect Sensor (M2)	D14	2/8
S15	Fig.5-2	Toner Bottle Detect Sensor (C1)	F14	2/8
S16	Fig.5-8	Toner Bottle Detect Sensor (C2)	G14	2/8
S17	Fig.5-2	Toner Bottle Detect Sensor (K1)	H14	2/8
S18	Fig.5-8	Toner Bottle Detect Sensor (K2)	I14	2/8
S46	Fig.6-1	Waste Toner Transport Motor Lock Sensor	I2	5/8
Motors				
M4	Fig.5-6	Toner Supply Motor (C)	F11	2/8
M5	Fig.5-9	Toner Agitator Motor (C)	F11	2/8
M6	Fig.5-6	Toner Supply Motor (K)	F11	2/8
M7	Fig.5-9	Toner Agitator Motor (K)	G11	2/8
M8	Fig.5-6	Toner Supply Motor (Y)	G11	2/8
M9	Fig.5-9	Toner Agitator Motor (Y)	G11	2/8
M10	Fig.5-6	Toner Supply Motor (M)	G11	2/8
M11	Fig.5-9	Toner Agitator Motor (M)	H11	2/8
M12	Fig.5-4	Toner Bottle Motor (Y1)	A14	2/8
M13	Fig.5-3	Toner Bottle Open Motor (Y1)	B14	2/8
M14	Fig.5-7	Toner Bottle Motor (Y2)	B14	2/8
M15	Fig.5-1	Toner Bottle Open Motor (Y2)	B14	2/8
M16	Fig.5-4	Toner Bottle Motor (M1)	D14	2/8
M17	Fig.5-3	Toner Bottle Open Motor (M1)	D14	2/8
M18	Fig.5-7	Toner Bottle Motor (M2)	E14	2/8
M19	Fig.5-1	Toner Bottle Open Motor (M2)	E14	2/8
M20	Fig.5-4	Toner Bottle Motor (C1)	F14	2/8
M21	Fig.5-3	Toner Bottle Open Motor (C1)	F14	2/8
M22	Fig.5-7	Toner Bottle Motor (C2)	G14	2/8
M23	Fig.5-1	Toner Bottle Open Motor (C2)	G14	2/8
M24	Fig.5-4	Toner Bottle Motor (K1)	H14	2/8
M25	Fig.5-3	Toner Bottle Open Motor (K1)	I14	2/8
M26	Fig.5-7	Toner Bottle Motor (K2)	I14	2/8
N27	Fig.5-1	Toner Bottle Open Motor (K2)	I14	2/8
M28	Fig.6-2	Waste Toner Transport Motor (Lower)	I3	3/8
M34	Fig.6-3	Waste Toner Transport Motor (Upper)	H8	3/8
M35	Fig.4-3	Drum Cleaning Motor (Y)	B12	3/8
M36	Fig.4-1	Drum Motor (Y)	B12	3/8
M37	Fig.4-2	Development Motor (Y)	B13	3/8
M38	Fig.4-3	Drum Cleaning Motor (M)	D12	3/8
M39	Fig.4-1	Drum Motor (M)	D12	3/8
M40	Fig.4-2	Development Motor (M)	E13	3/8
M41	Fig.4-3	Drum Cleaning Motor (C)	F12	3/8
M42	Fig.4-1	Drum Motor (C)	F12	3/8
M43	Fig.4-2	Development Motor (C)	G13	3/8
M44	Fig.4-3	Drum Cleaning Motor (K)	H12	3/8
M45	Fig.4-1	Drum Motor (K)	I12	3/8
M46	Fig.4-2	Development Motor (K)	I13	3/8

M205/M238 ELECTRICAL COMPONENT LAYOUT (3/11)



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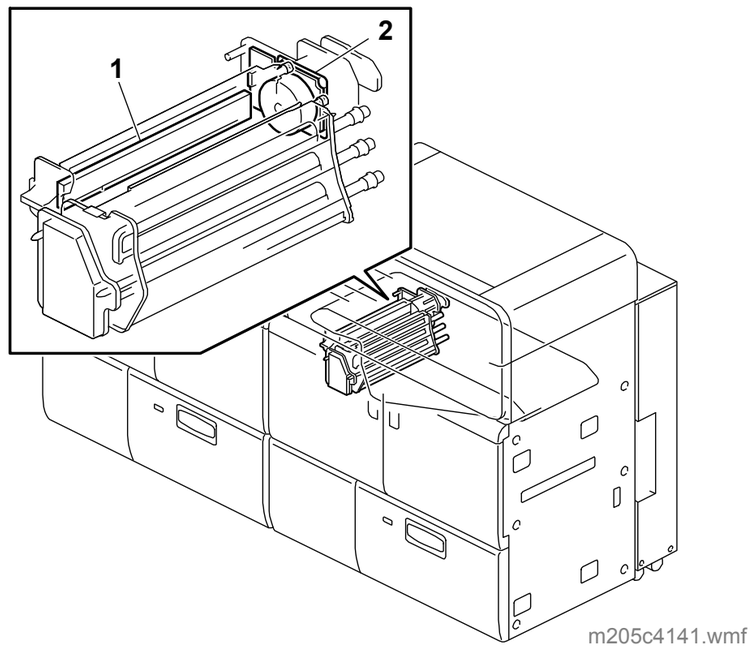

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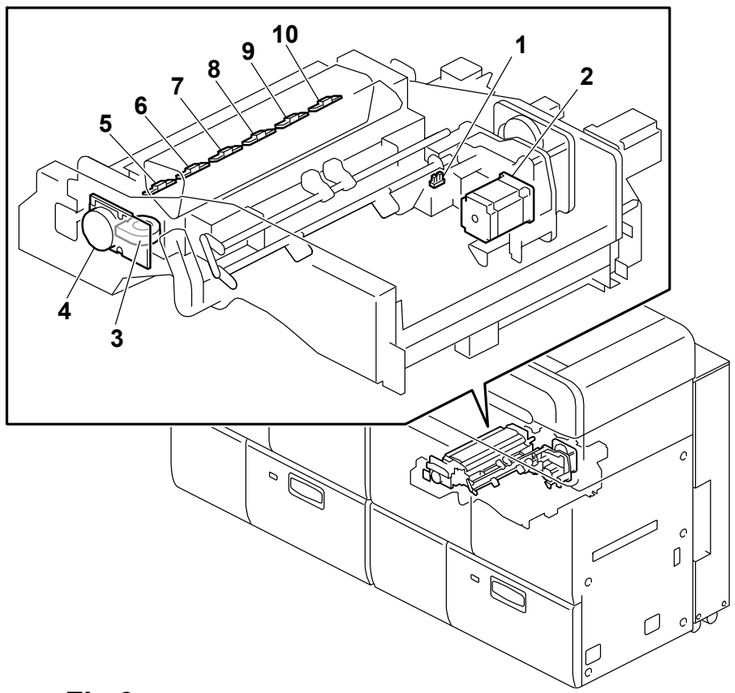

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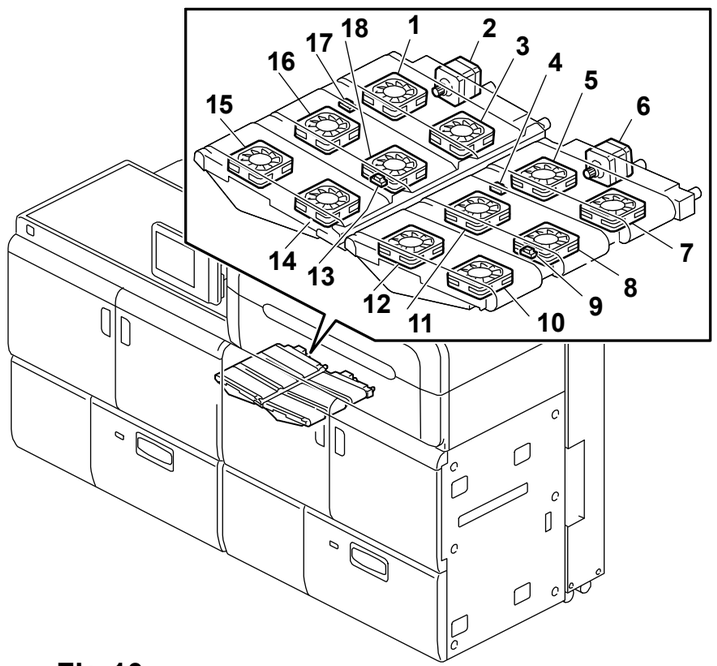

Fig.10

Symbol	Index No.	Description	P to P	Page
PCBs				
PCB27	Fig.7-3	AC Power Pack	D7	4/8
PCB28	Fig.7-25	DC Power Pack	E7	4/8
PCB35	Fig.7-5	TDRB	9D	4/8
PCB36	Fig.7-15	Transfer Power Pack	G13	4/8
PCB33	Fig.7-8	ITB Cleaning HVP 1	H8	4/8
PCB34	Fig.7-4	ITB Cleaning HVP 2	H8	4/8
PCB29	Fig.7-18	ITB Cleaning HVP 3	F8	4/8
PCB30	Fig.7-19	ITB Cleaning HVP 4	G8	4/8
PCB32	Fig.7-21	ITB Cleaning HVP 5	G8	4/8
PCB31	Fig.7-24	ITB Cleaning HVP 6	G8	4/8
Sensors				
S36	Fig.7-11	ITB Motor Rotation Sensor 1	D14	4/8
S37	Fig.7-11	ITB Motor Rotation Sensor 2	D14	4/8
S38	Fig.7-6	ITB Belt Overrun Sensor (Rear)	D15	4/8
S39	Fig.7-12	ITB Belt Centering Sensor	D15	4/8
S40	Fig.7-13	ITB Belt Speed Sensor	D15	4/8
S41	Fig.7-20	ITB Belt Overrun Sensor (Front)	E15	4/8
S42	Fig.7-22	PTR Lift Sensor	E15	4/8
S43	Fig.7-14	ITB Black Lift Sensor	E15	4/8
S44	Fig.7-7	ITB Color Lift Sensor	E15	4/8
S45	Fig.7-1	ITB Belt Centering Roller Sensor	F15	4/8
S55	Fig.9-1	PTR Position Sensor	F9	5/8
S59	Fig.9-5	MUSIC Sensor (Front)	G9	5/8
S60	Fig.9-6	ID Sensor (K)	G9	5/8
S61	Fig.9-7	ID/MUSIC Sensor (C)	H9	5/8
S62	Fig.9-8	ID Sensor (M/Center)	H9	5/8
S63	Fig.9-9	ID Sensor (Y)	H9	5/8
S64	Fig.9-10	MUSIC Sensor (Rear)	H9	5/8
S77	Fig.10-4	PTB Transport Sensor 1	J14	5/8
S78	Fig.10-9	PTB Transport Sensor 2	J14	5/8
S89	Fig.10-17	PTB Transport Sensor 3	I13	7/8
S90	Fig.10-13	PTB Transport Sensor 4	J13	7/8
Motors				
M29	Fig.9-2	PTR Pressure Motor	I3	3/8
M47	Fig.8-2	ITB Cleaning Motor	J5	4/8
M49	Fig.7-17	ITB Color Lift Motor	B14	4/8
M50	Fig.7-16	ITB Black Lift Motor	C14	4/8
M51	Fig.7-23	PTR Lift Motor	C13	4/8
M52	Fig.7-10	ITB Motor	C14	4/8
M53	Fig.7-9	ITB Belt Centering Motor	C13	4/8
M58	Fig.9-4	PTR Motor	I9	5/8
M67	Fig.10-6	PTB Motor 1	J14	5/8
M79	Fig.10-2	PTB Motor 2	I13	7/8
Fan Motors				
FAN39	Fig.9-3	ID Sensor Cleaning Fan	J10	5/8
FAN42	Fig.10-10	PTB Fan 1	I14	5/8
FAN43	Fig.10-8	PTB Fan 2	I15	5/8
FAN44	Fig.10-7	PTB Fan 3	I14	5/8
FAN45	Fig.10-12	PTB Fan 4	I15	5/8
FAN46	Fig.10-11	PTB Fan 9	I14	5/8
FAN47	Fig.10-5	PTB Fan 10	J15	5/8
FAN74	Fig.10-14	PTB Fan 5	H13	7/8
FAN75	Fig.10-17	PTB Fan 6	H14	7/8
FAN76	Fig.10-3	PTB Fan 7	H13	7/8
FAN77	Fig.10-15	PTB Fan 8	I14	7/8
FAN78	Fig.10-16	PTB Fan 11	I13	7/8
FAN79	Fig.10-1	PTB Fan 12	I14	7/8
Switch				
SW12	Fig.7-2	ITB Cleaning Unit Set Sensor	F15	4/8
SW13	Fig.8-1	ITB Lubrication Unit End Switch	F15	4/8

M205/M238 ELECTRICAL COMPONENT LAYOUT (4/11)

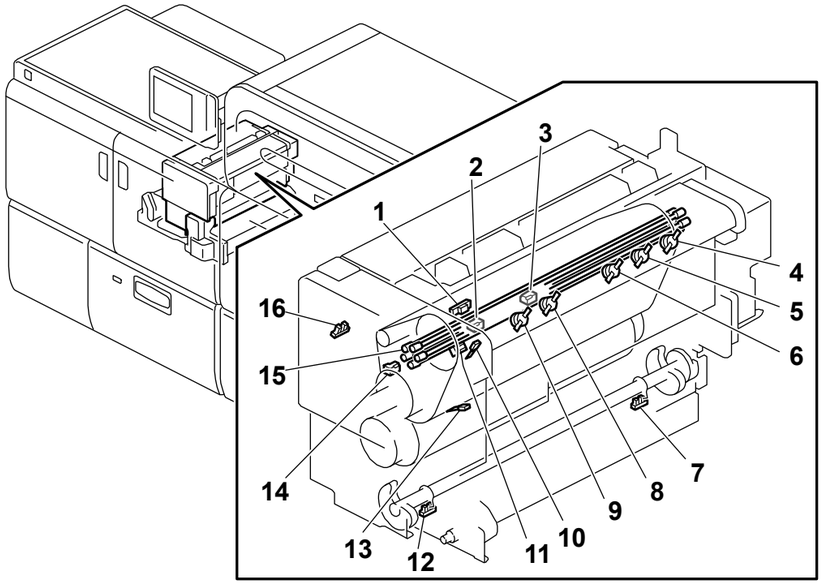

Fig.11

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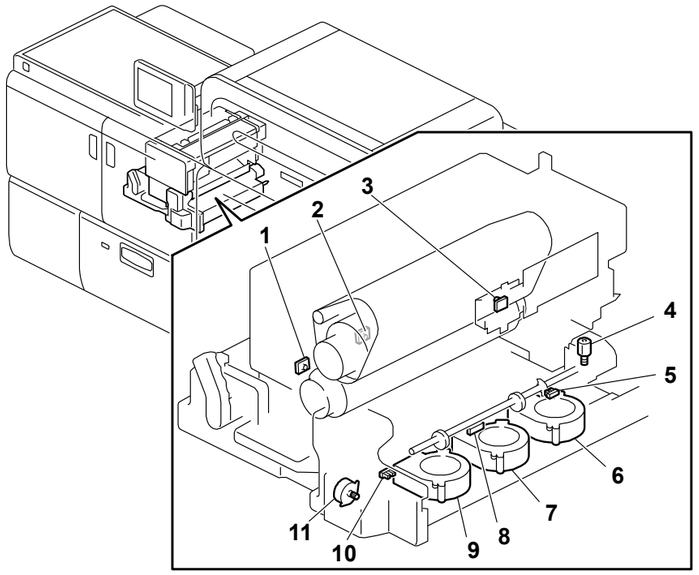

Fig.12

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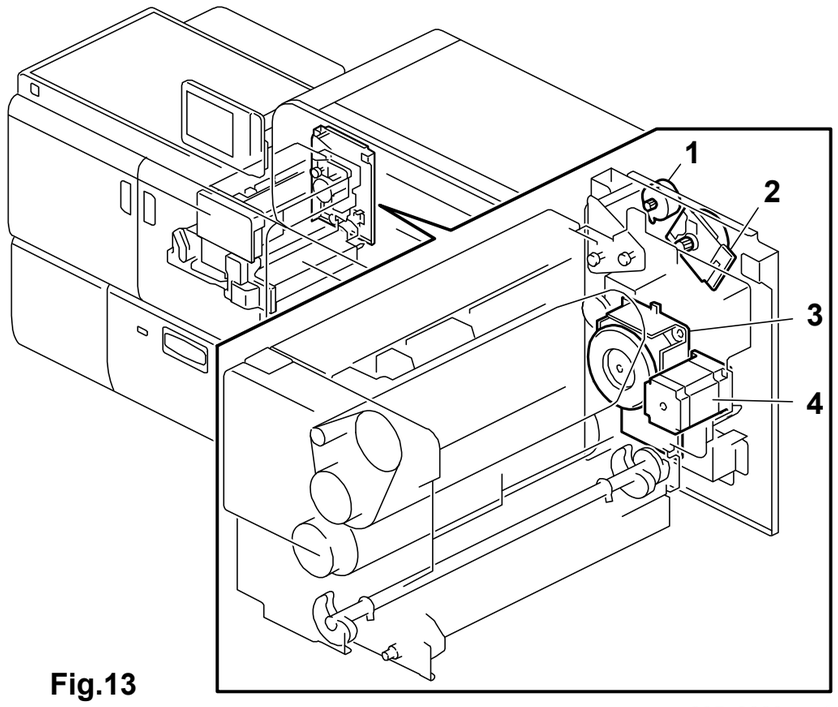

Fig.13

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Symbol	Index No.	Description	P to P	Page
Sensors				
S79	Fig.12-2	Pressure Roller Thermopile (Center)	C15	6/8
S80	Fig.12-1	Pressure Roller Thermopile (Edge)	C15	6/8
S81	Fig.12-10	Web End Sensor	C14	6/8
S82	Fig.12-5	Cleaning Web Contact Sensor	C15	6/8
S83	Fig.12-8	Fusing Cleaning Unit Set Sensor	C15	6/8
S84	Fig.12-3	Heating Roller Thermopile	I15	6/8
S99	Fig.11-16	Refresh Roller Contact Sensor	G5	8/8
S100	Fig.11-1	Fusing Exit Sensor (Back)	G5	8/8
S101	Fig.11-3	Fusing Exit Sensor (Rear)	H6	8/8
S102	Fig.11-14	Fusing Exit Sensor (Front)	H6	8/8
S103	Fig.11-2	Fusing Exit Sensor (Center)	H6	8/8
S104	Fig.11-11	Accordion Jam Sensor	H6	8/8
S107	Fig.11-7	Pressure Roller Home Position Sensor 2	I5	8/8
S108	Fig.11-12	Pressure Roller Home Position Sensor 1	I5	8/8
Motors				
M68	Fig.12-11	Fusing Web Motor	B14	6/8
M69	Fig.12-4	Cleaning Web Contact Motor	B14	6/8
M75	Fig.13-3	Fusing Motor	E12	7/8
M76	Fig.13-4	Press Roller Lift Motor	G12	7/8
M77	Fig.13-1	Fusing Refresh Roller Contact Motor	G12	7/8
M78	Fig.13-2	Fusing Refresh Roller Motor	H12	7/8
Fan Motors				
FAN59	Fig.12-9	Pressure Roller Intake Fan 1	A14	6/8
FAN60	Fig.12-7	Pressure Roller Intake Fan 2	A14	6/8
FAN61	Fig.12-6	Pressure Roller Intake Fan 3	B14	6/8
Heaters				
H3	Fig.11-15	Fusing Lamp 5	F5	8/8
H4	Fig.11-15	Fusing Lamp 4	G5	8/8
H5	Fig.11-15	Fusing Lamp 3	G5	8/8
H6	Fig.11-15	Fusing Lamp 2	J5	8/8
H7	Fig.11-15	Fusing Lamp 1	J5	8/8
Thermistors				
S105	Fig.11-13	Fusing Belt Thermistor (Edge)	H5	8/8
S106	Fig.11-10	Heating Roller Thermistor (Edge)	I5	8/8
Thermostats				
TS1	Fig.11-4	Heating Roller Thermostat 5	F5	8/8
TS2	Fig.11-5	Heating Roller Thermostat 4	G5	8/8
TS3	Fig.11-6	Heating Roller Thermostat 3	G5	8/8
TS4	Fig.11-8	Heating Roller Thermostat 2	J5	8/8
TS5	Fig.11-9	Heating Roller Thermostat 1	J5	8/8

M205/M238 ELECTRICAL COMPONENT LAYOUT (5/11)

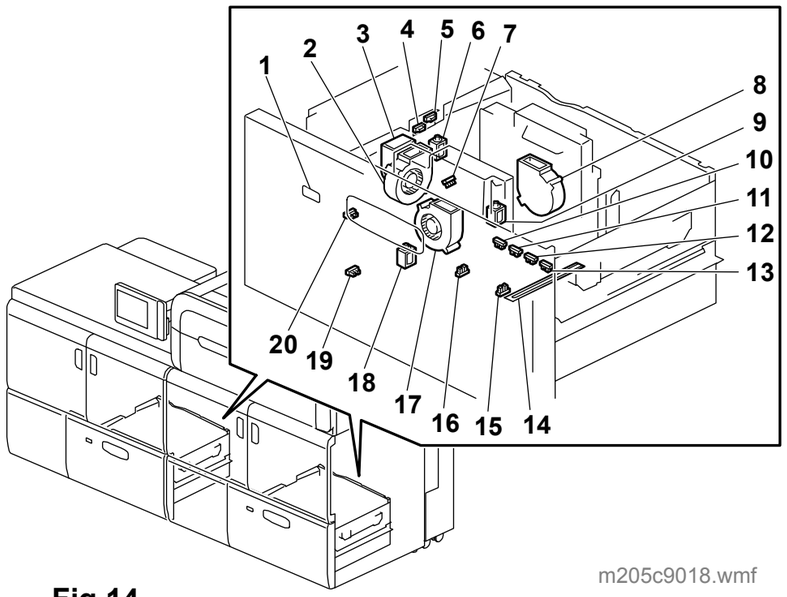

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Fig.14

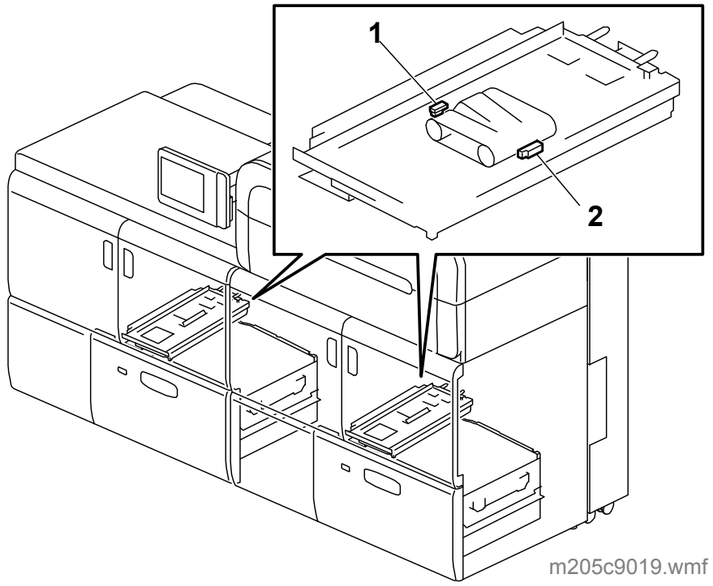

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Fig.15

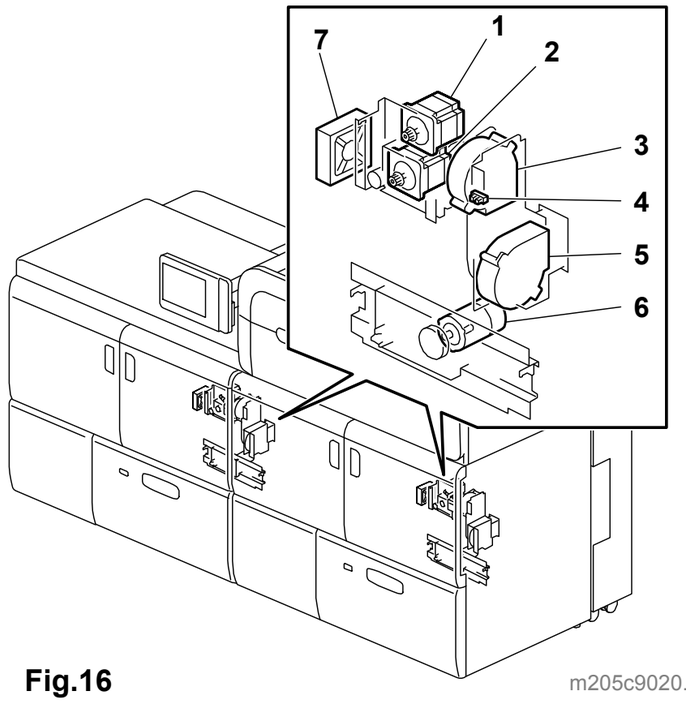

Fig.16

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Symbol	Index No.	Description	P to P	Page
Sensors				
S6	Fig.16-4	Over Limit Sensor (Tray 1)	J3	2/8
S87	Fig.16-4	Over Limit Sensor (Tray 2)	F4	7/8
S126	Fig.14-10	Paper Size Sensor 1 (Tray 1)	B5	APPENDIX 2
S127	Fig.14-11	Paper Size Sensor 2 (Tray 1)	B5	APPENDIX 2
S128	Fig.14-12	Paper Size Sensor 3 (Tray 1)	B5	APPENDIX 2
S129	Fig.14-13	Paper Size Sensor 4 (Tray 1)	C5	APPENDIX 2
S130	Fig.14-16	Paper Length Sensor 1 (Tray 1)	D4	APPENDIX 2
S131	Fig.14-15	Paper Length Sensor 2 (Tray 1)	E4	APPENDIX 2
S132	Fig.15-1	Paper Feed Sensor (Tray 1)	E5	APPENDIX 2
S133	Fig.14-7	Paper Height Sub Sensor (Tray 1)	J4	APPENDIX 2
S134	Fig.14-20	Paper Height Middle Sensor (Tray 1)	K4	APPENDIX 2
S135	Fig.14-19	Lower Limit Sensor (Tray 1)	K4	APPENDIX 2
S136	Fig.14-5	Upper Limit Sensor 1 (Tray 1)	K6	APPENDIX 2
S137	Fig.14-4	Upper Limit Sensor 2 (Tray 1)	L6	APPENDIX 2
S138	Fig.15-2	Paper End Sensor (Tray 1)	O2	APPENDIX 2
S139	Fig.14-10	Paper Size Sensor 1 (Tray 2)	B5	APPENDIX 3
S140	Fig.14-11	Paper Size Sensor 2 (Tray 2)	B5	APPENDIX 3
S141	Fig.14-12	Paper Size Sensor 3 (Tray 2)	B5	APPENDIX 3
S142	Fig.14-13	Paper Size Sensor 4 (Tray 2)	C5	APPENDIX 3
S143	Fig.14-16	Paper Length Sensor 1 (Tray 2)	D4	APPENDIX 3
S144	Fig.14-15	Paper Length Sensor 2 (Tray 2)	E4	APPENDIX 3
S145	Fig.15-1	Paper Feed Sensor (Tray 2)	E5	APPENDIX 3
S146	Fig.14-7	Paper Height Sub Sensor (Tray 2)	J4	APPENDIX 3
S147	Fig.14-20	Paper Height Middle Sensor (Tray 2)	K4	APPENDIX 3
S148	Fig.14-19	Lower Limit Sensor (Tray 2)	K4	APPENDIX 3
S149	Fig.14-5	Upper Limit Sensor 1 (Tray 2)	L6	APPENDIX 3
S150	Fig.14-4	Upper Limit Sensor 2 (Tray 2)	L6	APPENDIX 3
S151	Fig.15-2	Paper End Sensor (Tray 2)	O2	APPENDIX 3
Motors				
M1	Fig.16-2	Paper Transport Motor (Tray 1)	I4	2/8
M2	Fig.16-1	Paper Feed Motor (Tray 1)	I4	2/8
M3	Fig.16-6	Tray Lift Motor (Tray 1)	I4	2/8
M72	Fig.16-2	Paper Transport Motor (Tray 2)	E5	7/8
M73	Fig.16-1	Paper Feed Motor (Tray 2)	E5	7/8
M74	Fig.16-6	Tray Lift Motor (Tray 2)	E5	7/8
Fan Motors				
FAN24	Fig.16-3	Suction Fan 1 (Tray 1)	H4	2/8
FAN25	Fig.16-5	Suction Fan 2 (Tray 1)	H4	2/8
FAN36	Fig.16-7	Paper Transport Motor Fan (Tray 1)	H4	4/8
FAN71	Fig.16-3	Suction Fan 1 (Tray 2)	D5	7/8
FAN72	Fig.16-5	Suction Fan 2 (Tray 2)	D5	7/8
FAN73	Fig.16-7	Paper Transport Motor Fan (Tray 2)	E5	7/8
FAN80	Fig.14-3	Float Fan (Tray 1)	G5	APPENDIX 2
FAN81	Fig.14-2	Separation Fan (Tray 1)	G5	APPENDIX 2
FAN82	Fig.14-17	Separation Front Fan (Tray 1)	H5	APPENDIX 2
FAN83	Fig.14-8	Separation Rear Fan (Tray 1)	I5	APPENDIX 2
FAN84	Fig.14-3	Float Fan (Tray 2)	G5	APPENDIX 3
FAN85	Fig.14-2	Separation Fan (Tray 2)	G5	APPENDIX 3
FAN86	Fig.14-17	Separation Front Fan (Tray 2)	H5	APPENDIX 3
FAN87	Fig.14-8	Separation Rear Fan (Tray 2)	I5	APPENDIX 3
LEDs				
LED28	Fig.14-1	LED1 (Tray 1)	D6	APPENDIX 2
LED29	Fig.14-1	LED2 (Tray 1)	D6	APPENDIX 2
LED30	Fig.14-1	LED1 (Tray 2)	D6	APPENDIX 3
LED31	Fig.14-1	LED2 (Tray 2)	D6	APPENDIX 3
Heaters				
H1	Fig.14-14	Tray Heater (Tray 1)	I2	1/8
H2	Fig.14-14	Tray Heater (Tray 2)	D7	6/8
Solenoids				
SOL2	Fig.14-18	Separation Solenoid Front (Tray 1)	H6	APPENDIX 2
SOL3	Fig.14-9	Separation Solenoid Rear (Tray 1)	I6	APPENDIX 2
SOL4	Fig.14-6	Float Solenoid (Tray 1)	M6	APPENDIX 2
SOL5	Fig.14-18	Separation Solenoid Front (Tray 2)	H6	APPENDIX 3
SOL6	Fig.14-9	Separation Solenoid Rear (Tray 2)	J6	APPENDIX 3
SOL7	Fig.14-6	Float Solenoid (Tray 2)	M6	APPENDIX 3

M205/M238 ELECTRICAL COMPONENT LAYOUT (6/11)

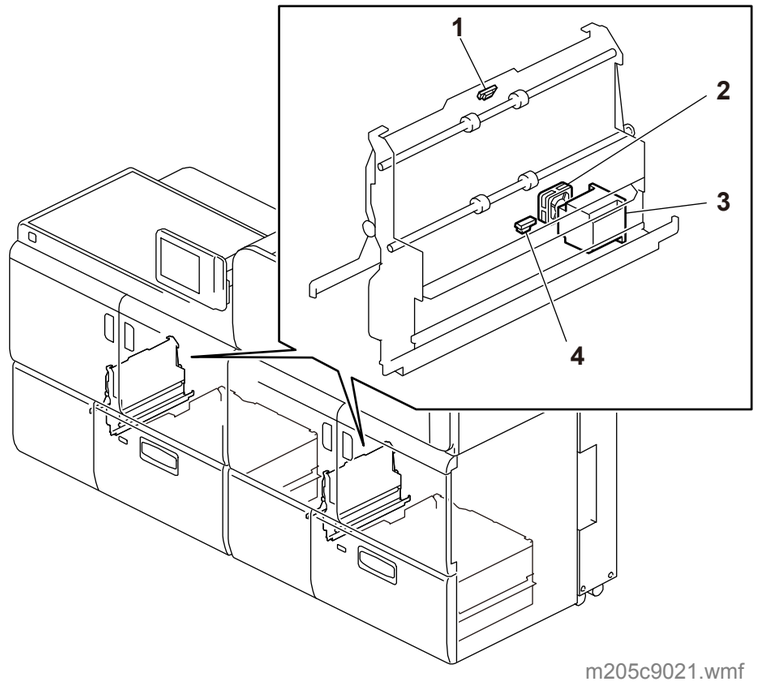

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Fig.17

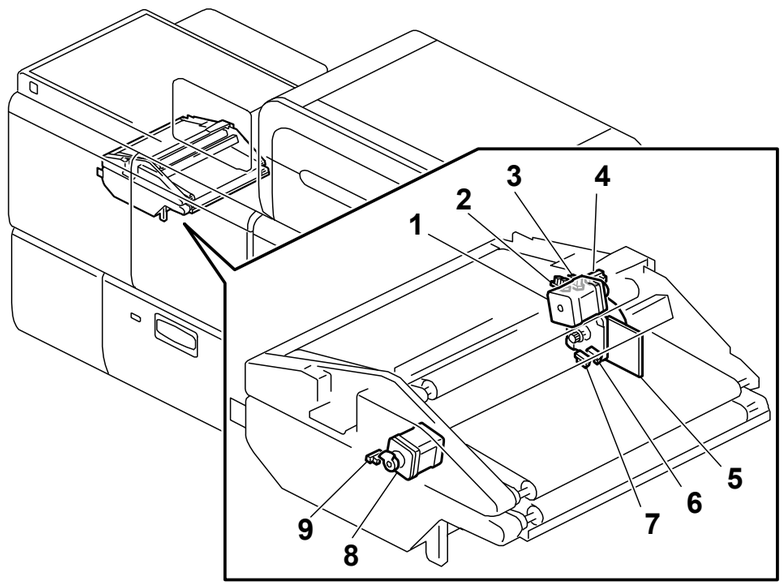

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Fig.18

Symbol	Index No.	Description	P to P	Page
Sensors				
S34	Fig.17-4	Vertical Transport Sensor 1 (Tray 1)	J9	4/8
S35	Fig.17-1	Vertical Transport Sensor 2 (Tray 1)	J9	4/8
S85	Fig.17-4	Vertical Transport Sensor 1 (Tray 2)	C4	7/8
S86	Fig.17-1	Vertical Transport Sensor 2 (Tray 2)	C3	7/8
S91	Fig.18-4	Belt Centering Roller Sensor (Upper)	B5	8/8
S92	Fig.18-3	Belt Overrun Sensor (Upper 1)	B5	8/8
S93	Fig.18-2	Belt Overrun Sensor (Upper 2)	B5	8/8
S94	Fig.18-9	Belt Centering Roller Sensor (Lower)	C5	8/8
S95	Fig.18-6	Belt Overrun Sensor (Lower 1)	C5	8/8
S96	Fig.18-7	Belt Overrun Sensor (Lower 2)	C5	8/8
Motors				
M48	Fig.17-3	Vertical Transport Motor (Tray 1)	I9	4/8
M70	Fig.18-5	Paper Cooling Belt Motor	D13	6/8
M71	Fig.17-3	Vertical Transport Motor (Tray 2)	C4	7/8
M80	Fig.18-1	Belt Centering Roller Motor (Upper)	B5	8/8
M81	Fig.18-8	Belt Centering Roller Motor (Lower)	C5	8/8
Fan Motor				
FAN38	Fig.17-2	Vertical Transport Motor Fan (Tray 1)	J9	4/8
FAN70		Vertical Transport Motor Fan (Tray 2)	D4	7/8

M205/M238 ELECTRICAL COMPONENT LAYOUT (7/11)

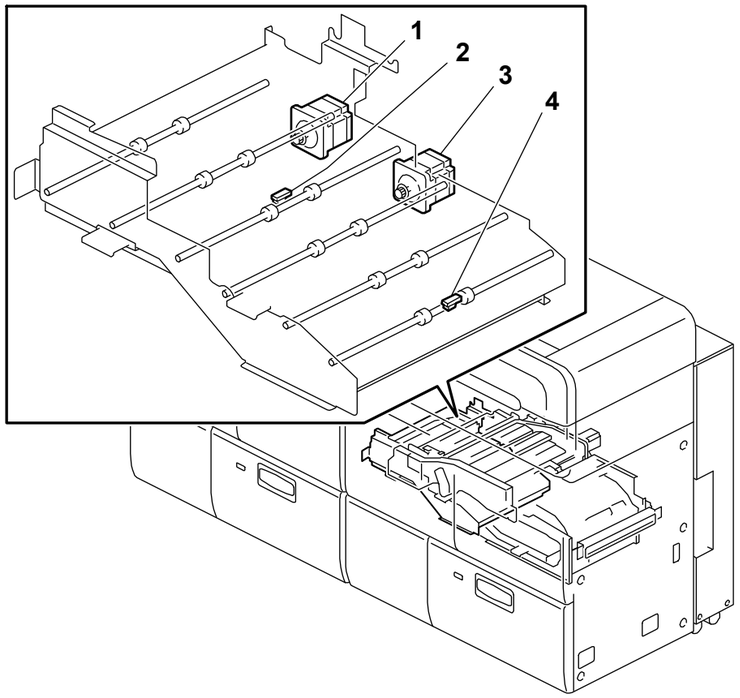

Fig.19

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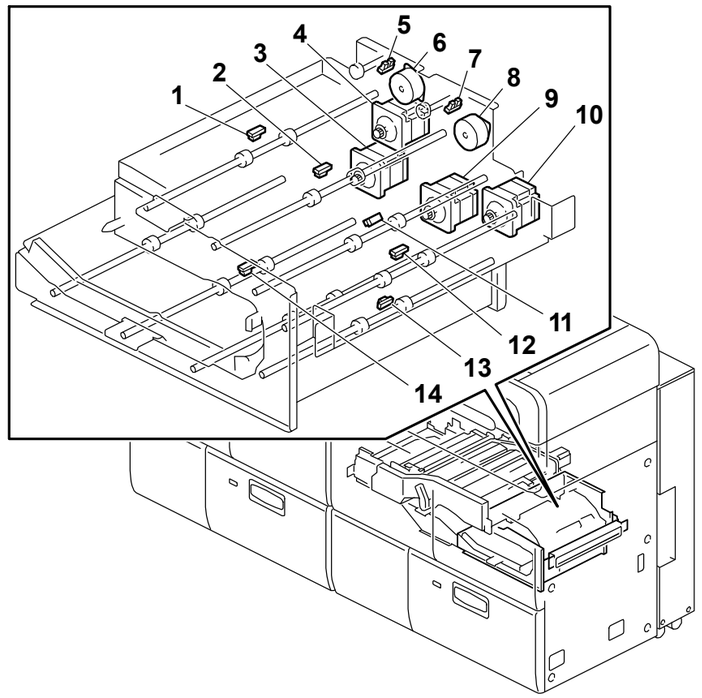

Fig.20

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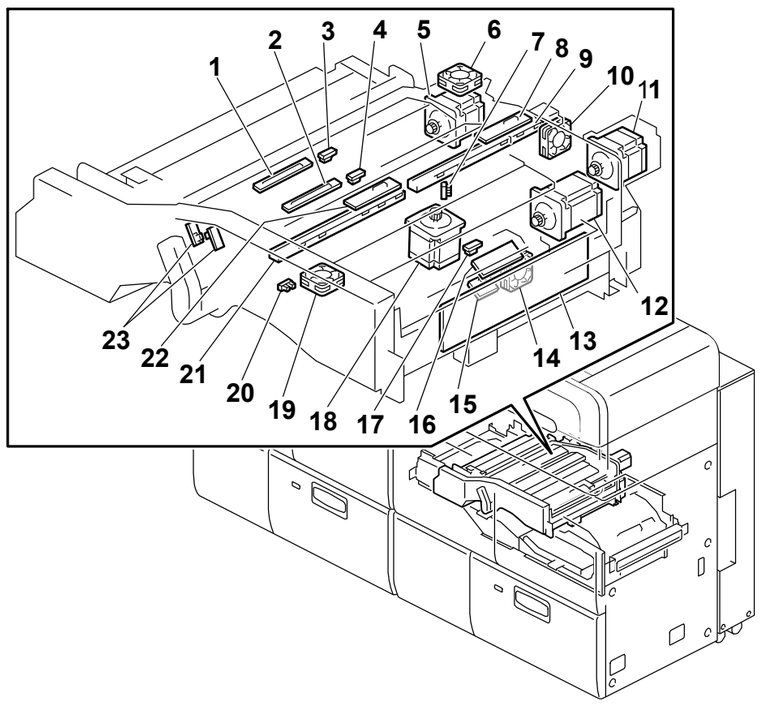

Fig.21

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Symbol	Index No.	Description	P to P	Page
PCBs				
PCB37	Fig.21-12	DRB	F5	5/8
PCB38	Fig.21-8	CRB 1	C9	5/8
PCB39	Fig.21-22	CRB 2	C8	5/8
Sensors				
S47	Fig.21-21	CIS (Front)	C10	5/8
S48	Fig.21-9	CIS (Rear)	C9	5/8
S49	Fig.21-2	T-ACT Sensor 1	D10	5/8
S50	Fig.21-1	T-ACT Sensor 2	D10	5/8
S51	Fig.21-3	PTR Timing Sensor	E9	5/8
S52	Fig.21-4	Registration Relay Sensor	E9	5/8
S53	Fig.21-17	Registration Timing Sensor	F9	5/8
S54	Fig.21-7	Shift Unit Home Position Sensor	F9	5/8
S56	Fig.21-20	Rotary Gate Home Position Sensor	F9	5/8
S57	Fig.21-23	Registration Encoder Sensor 1	G9	5/8
S58	Fig.21-23	Registration Encoder Sensor 2	G9	5/8
S65	Fig.21-16	URRB	H8	5/8
S66	Fig.21-15	URTB	J10	5/8
S67	Fig.20-5	Registration Roller Home Position Sensor 1	C14	5/8
S68	Fig.20-7	Registration Roller Home Position Sensor 2	C14	5/8
S69	Fig.20-13	LCT Relay Sensor	C15	5/8
S70	Fig.20-12	Registration Entrance Sensor 1	C15	5/8
S71	Fig.20-2	Registration Entrance Sensor 2	D15	5/8
S72	Fig.20-1	Registration Entrance Sensor 3	D15	5/8
S73	Fig.20-13	Paper Transport Sensor 6	D15	5/8
S74	Fig.20-14	Paper Transport Sensor 7	D15	5/8
S75	Fig.19-2	Paper Transport Sensor 4	G15	5/8
S76	Fig.19-4	Paper Transport Sensor 5	G15	5/8
Motors				
M54	Fig.21-11	Rotary Gate Motor	A8	5/8
M55	Fig.21-11	Registration Timing Motor	B8	5/8
M56	Fig.21-5	PTR Timing Motor	B8	5/8
M57	Fig.21-18	Shift Roller Motor	B10	5/8
M59	Fig.20-4	Registration Entrance Motor 2	A14	5/8
M60	Fig.20-6	Registration Roller Lift Motor 1	A14	5/8
M61	Fig.20-8	Registration Roller Lift Motor 2	B14	5/8
M62	Fig.20-10	Registration Entrance Motor 1	B14	5/8
M63	Fig.20-3	Paper Transport Motor 6	B14	5/8
M64	Fig.20-9	Paper Transport Motor 7	B14	5/8
M65	Fig.19-1	Paper Transport Motor 4	F14	5/8
M66	Fig.19-3	Paper Transport Motor 5	F14	5/8
Fan Motors				
FAN34	Fig.21-6	PTR Timing Motor Cooling Fan	A5	4/8
FAN35	Fig.21-10	Registration Timing Motor Fan	B5	4/8
FAN40	Fig.21-19	CIS Cleaning Fan	J8	5/8
FAN41	Fig.21-14	Registration Cooling Fan	K6	5/8

M205/M238 ELECTRICAL COMPONENT LAYOUT (8/11)

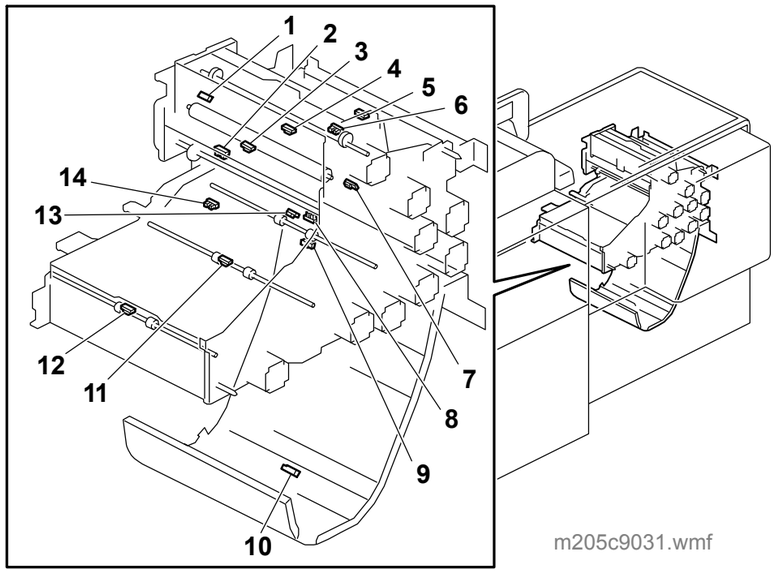

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Fig.22

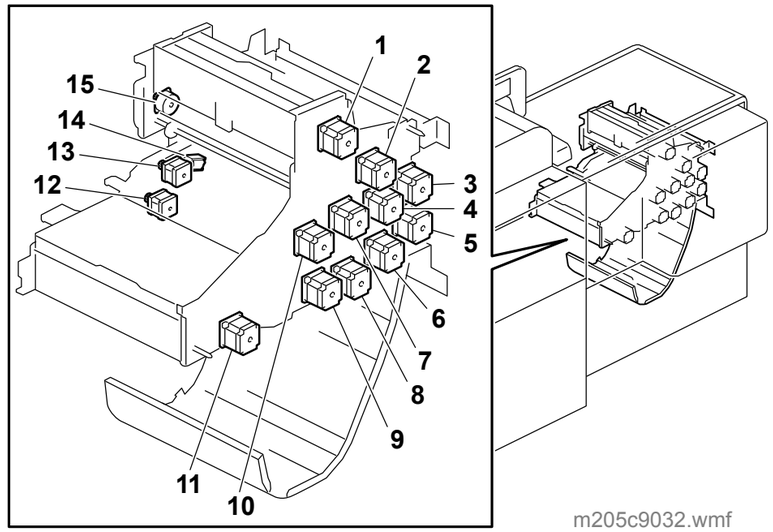

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Fig.23

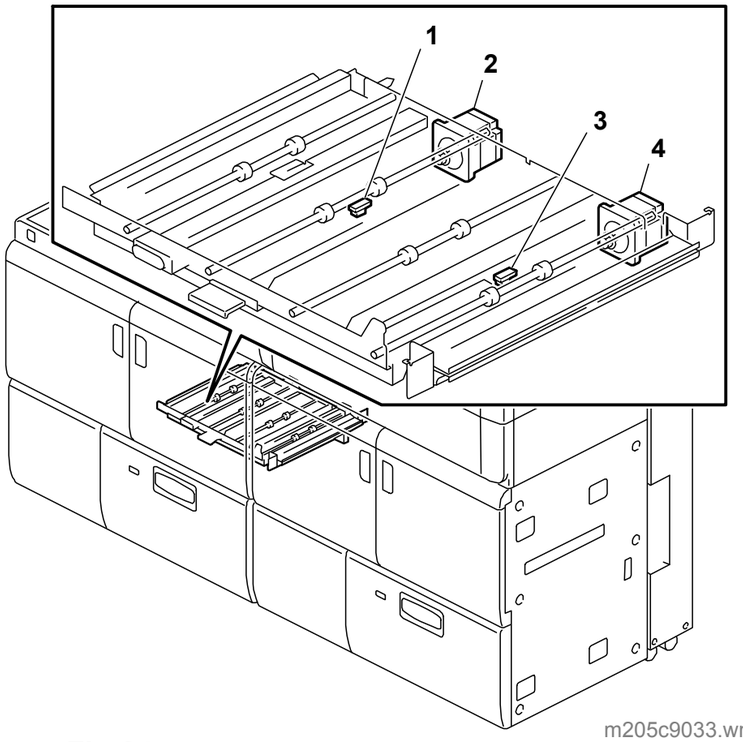

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Fig.24

Symbol	Index No.	Description	P to P	Page
Sensors				
S88	Fig.22-10	Purge Tray Paper Sensor	D13	7/8
S97	Fig.24-1	Paper Transport Sensor 2	D5	8/8
S98	Fig.24-3	Paper Transport Sensor 3	E5	8/8
S109	Fig.22-5	Paper Exit Sensor	D12	8/8
S110	Fig.22-7	Paper Exit Inverter Sensor	D12	8/8
S111	Fig.22-9	Duplex Inverter Sensor	D12	8/8
S112	Fig.22-3	De-curler Entrance Sensor	E12	8/8
S113	Fig.22-4	De-curler Exit Sensor	E12	8/8
S114	Fig.22-1	De-curler Unit Home Position Sensor 2	E12	8/8
S115	Fig.22-2	De-curler Unit Home Position Sensor 1	E12	8/8
S116	Fig.22-8	Paper Exit Inverter Roller Home Position Sensor	G11	8/8
S117	Fig.22-14	Duplex Inverter Roller Home Position Sensor	G11	8/8
S118	Fig.22-6	Exit Junction Gate Home Position Sensor	G12	8/8
S119	Fig.22-13	Duplex Transport Sensor 1	H12	8/8
S120	Fig.22-11	Duplex Transport Sensor 2	I12	8/8
S121	Fig.22-12	Paper Transport Sensor 1	I12	8/8
Motors				
M85	Fig.23-1	De-curler Unit Motor 2	B12	8/8
M86	Fig.23-7	De-curler Transport Motor 2	B12	8/8
M87	Fig.23-4	Inverter Entrance Motor	B12	8/8
M88	Fig.23-6	Duplex Inverter Motor	B12	8/8
M89	Fig.23-2	De-curler Transport Motor 1	C12	8/8
M90	Fig.23-3	Paper Exit Motor	C12	8/8
M91	Fig.23-5	Paper Exit Inverter Motor	C12	8/8
M92	Fig.23-13	Paper Exit Inverter Roller Contact Motor	F11	8/8
M93	Fig.23-15	Exit Junction Gate Motor	F11	8/8
M94	Fig.23-12	Duplex Inverter Roller Contact Motor	F11	8/8
M95	Fig.23-11	Paper Transport Motor 1	I11	8/8
M96	Fig.23-8	Duplex Transport Motor 1	I11	8/8
M97	Fig.23-9	Duplex Transport Motor 2	J11	8/8
M82	Fig.24-2	Paper Transport Motor 2	E5	8/8
M83	Fig.24-4	Paper Transport Motor 3	E5	8/8
M84	Fig.23-10	De-curler Unit Motor 1	A12	8/8
Solenoid				
SOL1	Fig.23-14	Switchback Junction Gate Solenoid	G11	8/8

M205/M238 ELECTRICAL COMPONENT LAYOUT (9/11)

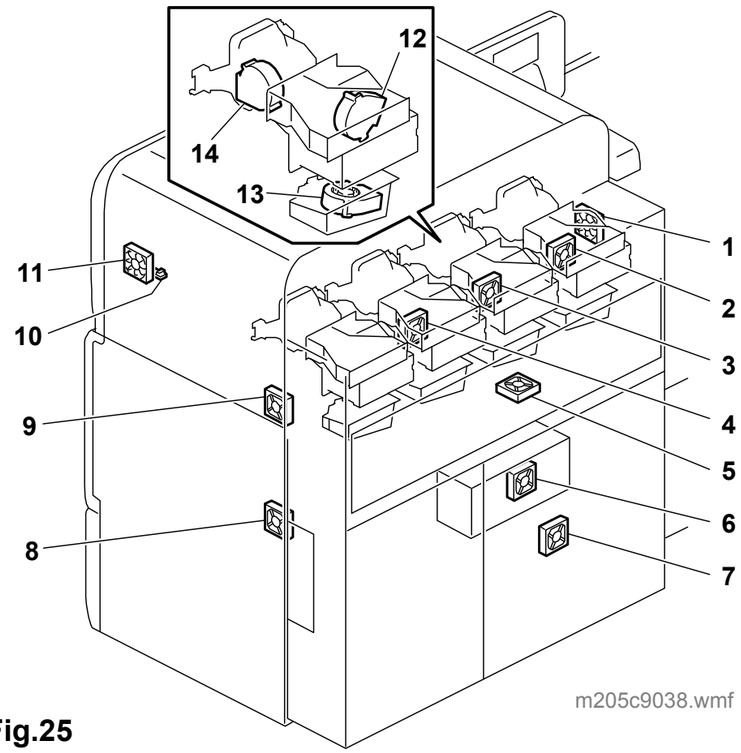

Fig.25

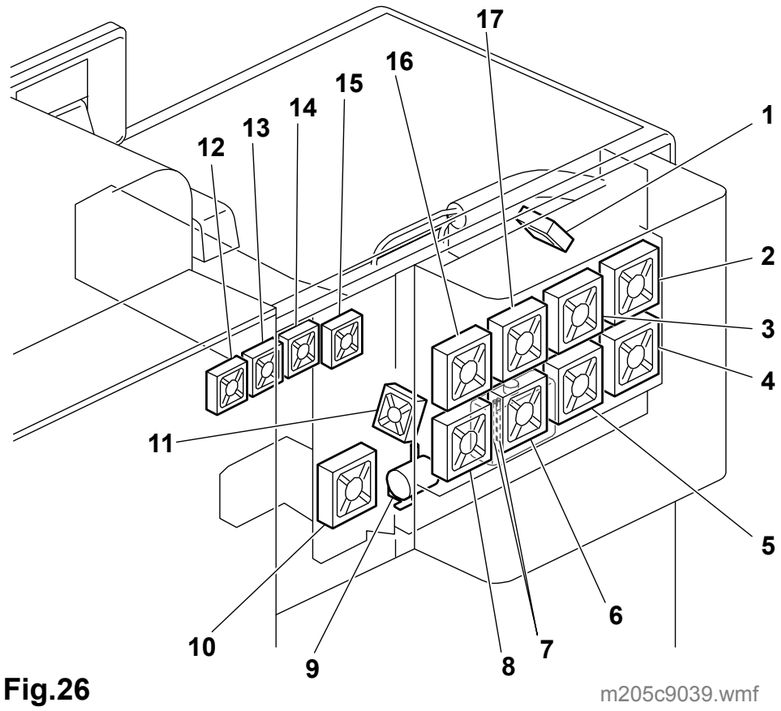

Fig.26

Symbol	Index No.	Description	P to P	Page
Sensor				
S21	Fig.25-10	Temperature/Humidity Sensor (Main)	D4	3/8
Fan Motors				
FAN5	Fig.25-7	Exhaust Fan 4	K5	1/8
FAN6	Fig.25-6	PSU Exhaust Fan	K6	1/8
FAN7	Fig.25-4	Exhaust Fan 1	H9	1/8
FAN8	Fig.25-3	Exhaust Fan 8	H9	1/8
FAN9	Fig.25-2	Exhaust Fan 9	H9	1/8
FAN10	Fig.25-12	Development Unit Cooling Fan (Y)	I9	1/8
FAN11	Fig.25-12	Development Unit Cooling Fan (M)	I9	1/8
FAN12	Fig.25-12	Development Unit Cooling Fan (C)	I9	1/8
FAN13	Fig.25-12	Development Unit Cooling Fan (K)	I9	1/8
FAN14	Fig.25-13	Ozone Exhaust Fan (Y)	J9	1/8
FAN15	Fig.25-13	Ozone Exhaust Fan (M)	J9	1/8
FAN16	Fig.25-13	Ozone Exhaust Fan (C)	J9	1/8
FAN17	Fig.25-13	Ozone Exhaust Fan (K)	J9	1/8
FAN26	Fig.25-14	Charger Entrance Fan (Y)	H4	3/8
FAN27	Fig.25-14	Charger Entrance Fan (M)	H4	3/8
FAN28	Fig.25-14	Charger Entrance Fan (C)	H4	3/8
FAN29	Fig.25-14	Charger Entrance Fan (K)	I4	3/8
FAN30	Fig.25-1	Exhaust Fan 3	G8	3/8
FAN31	Fig.25-9	Exhaust Fan 2	G8	3/8
FAN32	Fig.25-8	Registration Exhaust Fan	G8	3/8
FAN33	Fig.25-11	Laser Unit Cooling Fan	H8	3/8
FAN37	Fig.25-5	Waste Toner Collection Fan	I4	4/8
FAN52	Fig.26-12	Exhaust Fan 5	I8	6/8
FAN53	Fig.26-13	Exhaust Fan 6	I8	6/8
FAN54	Fig.26-14	Exhaust Fan 7	I8	6/8
FAN55	Fig.26-11	Paper Exit Inverter Motor Fan	J9	6/8
FAN56	Fig.26-1	De-curler Motor Cooling Fan	J9	6/8
FAN57	Fig.26-15	Anti-condensation Fan	J8	6/8
FAN58	Fig.26-10	Pressure Roller Exhaust Fan	J8	6/8
FAN62	Fig.26-16	Paper Cooling Belt Fan 1	D15	6/8
FAN63	Fig.26-17	Paper Cooling Belt Fan 2	E15	6/8
FAN64	Fig.26-3	Paper Cooling Belt Fan 3	E15	6/8
FAN65	Fig.26-2	Paper Cooling Belt Fan 4	E15	6/8
FAN66	Fig.26-8	Paper Cooling Belt Fan 5	F15	6/8
FAN67	Fig.26-6	Paper Cooling Belt Fan 6	F15	6/8
FAN68	Fig.26-5	Paper Cooling Belt Fan 7	F15	6/8
FAN69	Fig.26-4	Paper Cooling Belt Fan 8	F15	6/8
Switch				
SW17	Fig.26-7	Paper Cooling Remain Switch 1	G14	6/8
SW18		Paper Cooling Remain Switch 2	G14	6/8
Other				
OT6	Fig.26-9	Paper Coolant Pump	D14	6/8

M205/M238 ELECTRICAL COMPONENT LAYOUT (10/11)

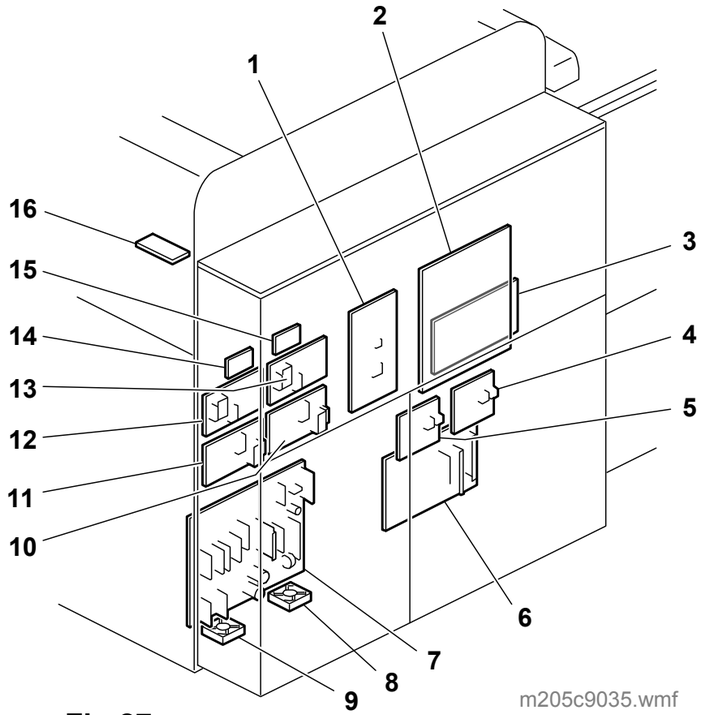

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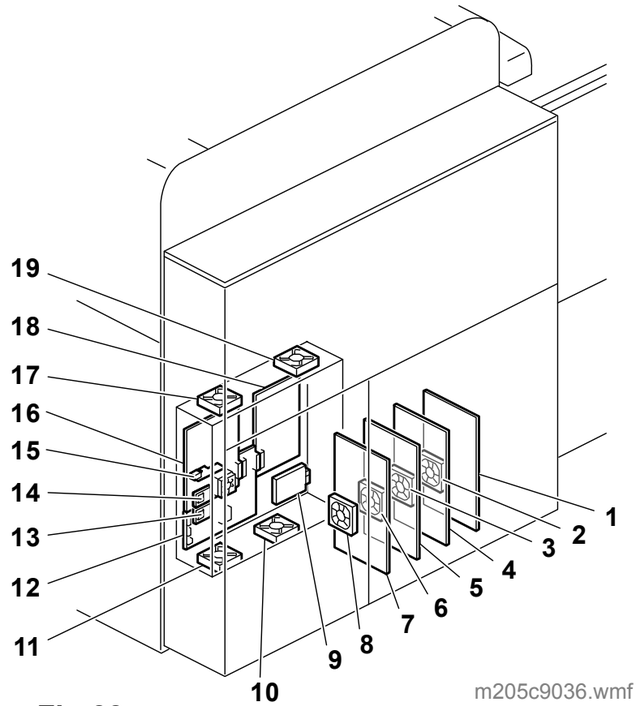
Fig.27



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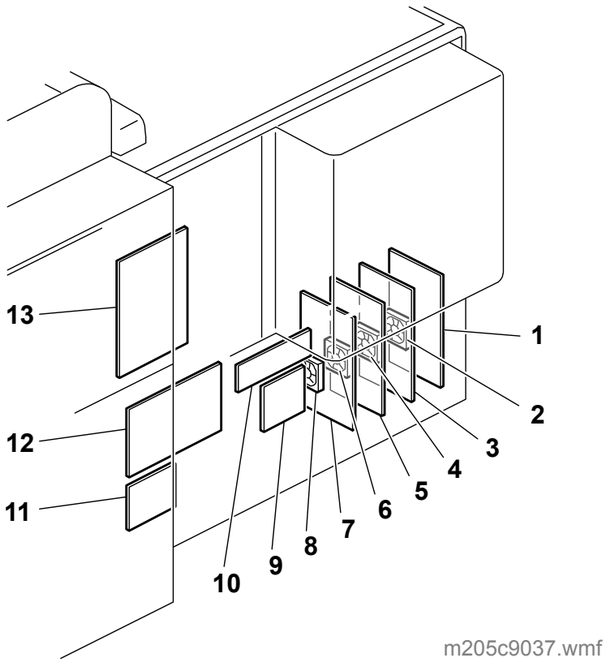

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Fig.29

Symbol	Index No.	Description	P to P	Page
PCBs				
PCB1	Fig.27-4	NRYF 1	E2	1/8
PCB2	Fig.27-5	NRYF 2	F2	1/8
PCB3	Fig.27-6	AC Drive Board 1	H3	1/8
PCB4	Fig.28-7	PSU 1	C5	1/8
PCB5	Fig.28-5	PSU 2	E5	1/8
PCB6	Fig.28-4	PSU 4	G5	1/8
PCB7	Fig.28-1	PSU 5	I5	1/8
PCB8	Fig.28-13	SD Slot Board 1	D12	1/8
PCB9	Fig.28-14	SD Slot Board 2	D12	1/8
PCB10	Fig.28-12	Data Transfer Unit	E12	1/8
PCB11	Fig.28-18	IPU	F12	1/8
			B8	2/8
PCB12	Fig.27-7	PSU 3	I13	1/8
PCB13	Fig.27-1	TDCU	C15	1/8
			K6	3/8
			C2	4/8
PCB14	Fig.27-3	BCU	D15	1/8
			D8	2/8
			B6	3/8
PCB15	Fig.27-2	IOB 1	G15	1/8
			F8	2/8
			F6	3/8
			F2	4/8
			F2	5/8
PCB20	Fig.27-10	Charge/Development HVP (Y)	B8	3/8
PCB21	Fig.27-11	Charge/Development HVP (M)	B8	3/8
PCB22	Fig.27-13	Charge/Development HVP (C)	C8	3/8
PCB23	Fig.27-12	Charge/Development HVP (K)	D8	3/8
PCB24	Fig.27-15	Drum Cleaning HVP (CMY)	D8	3/8
PCB25	Fig.27-14	Drum Cleaning HVP (K)	E8	3/8
PCB26	Fig.27-16	Potential Sensor Board	I8	3/8
PCB40	Fig.29-7	PSU 6	E2	6/8
PCB41	Fig.29-5	PSU 7	G2	6/8
PCB42	Fig.29-3	PSU 8	I2	6/8
PCB43	Fig.29-1	PSU 9	J2	6/8
PCB44	Fig.29-11	NRYF 3	B8	6/8
PCB45	Fig.29-9	NRYF 4	B8	6/8
PCB46	Fig.29-12	AC Drive Board 2	C8	6/8
PCB47	Fig.29-13	IOB2	F11	6/8
			F8	7/8
PCB49	Fig.29-10	SDB	C10	7/8
PCB54	Fig.28-15	Giga-Ethernet Board	D5	APPENDIX 1
PCB55	Fig.28-16	Controller Board	F9	APPENDIX 1
Fan Motors				
FAN1	Fig.28-8	PSU Fan 1	D5	1/8
FAN2	Fig.28-6	PSU Fan 2	F5	1/8
FAN3	Fig.28-3	PSU Fan 5	H5	1/8
FAN4	Fig.28-2	PSU Fan 6	J5	6/8
FAN18	Fig.28-17	Controller Fan 1	E13	1/8
FAN19	Fig.28-19	Controller Fan 2	E13	1/8
FAN20	Fig.28-11	Controller Fan 3	E13	1/8
FAN21	Fig.28-10	Controller Fan 4	E14	1/8
FAN22	Fig.27-9	PSU Fan 3	I14	1/8
FAN23	Fig.27-8	PSU Fan 4	I14	1/8
FAN48	Fig.29-8	PSU Fan 7	F2	6/8
FAN49	Fig.29-6	PSU Fan 8	H2	6/8
FAN50	Fig.29-4	PSU Fan 9	I2	6/8
FAN51	Fig.29-2	PSU Fan 10	K2	6/8
Other				
OT1	Fig.28-9	HDD	B11	APPENDIX 1

M205/M238 ELECTRICAL COMPONENT LAYOUT (11/11)

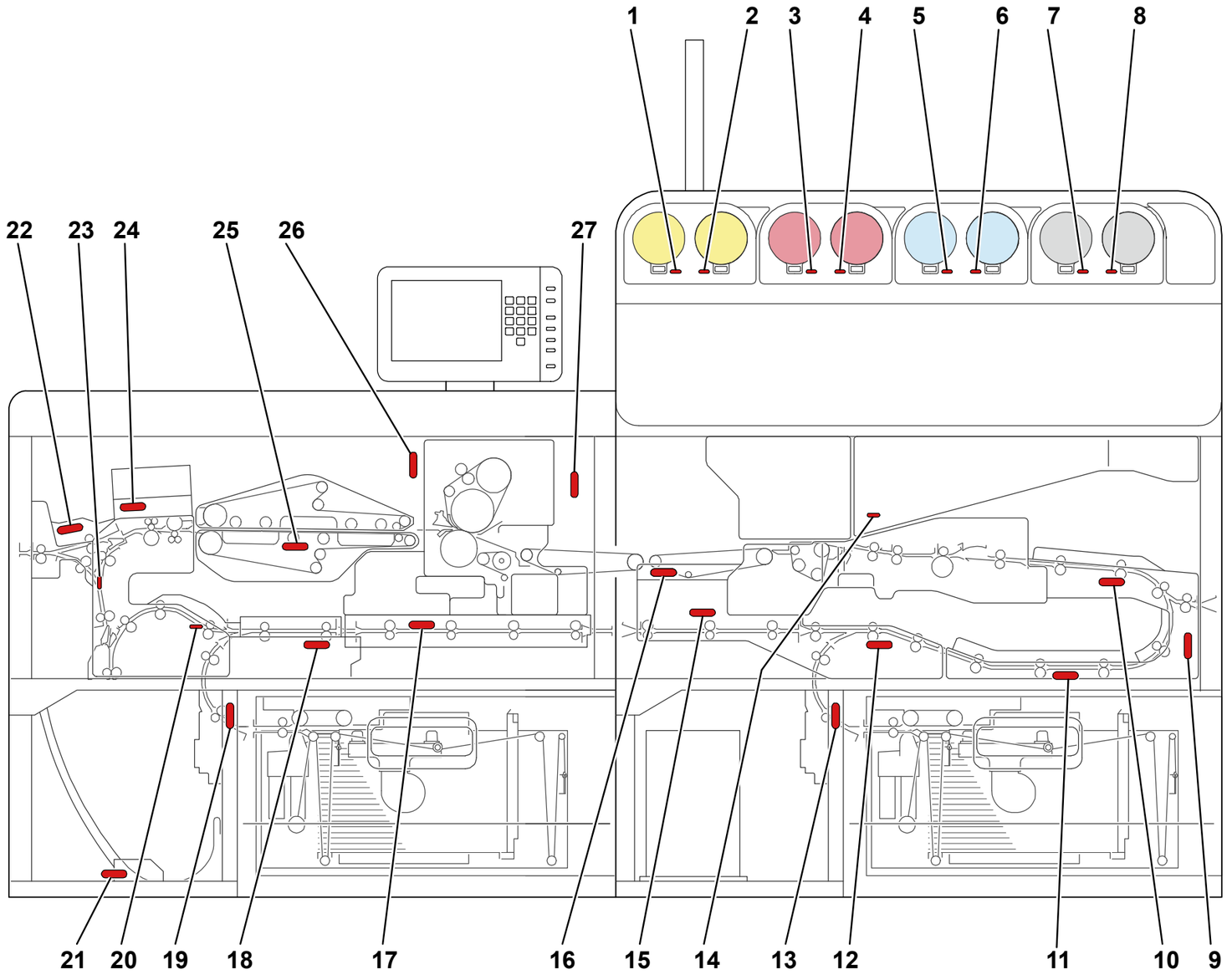

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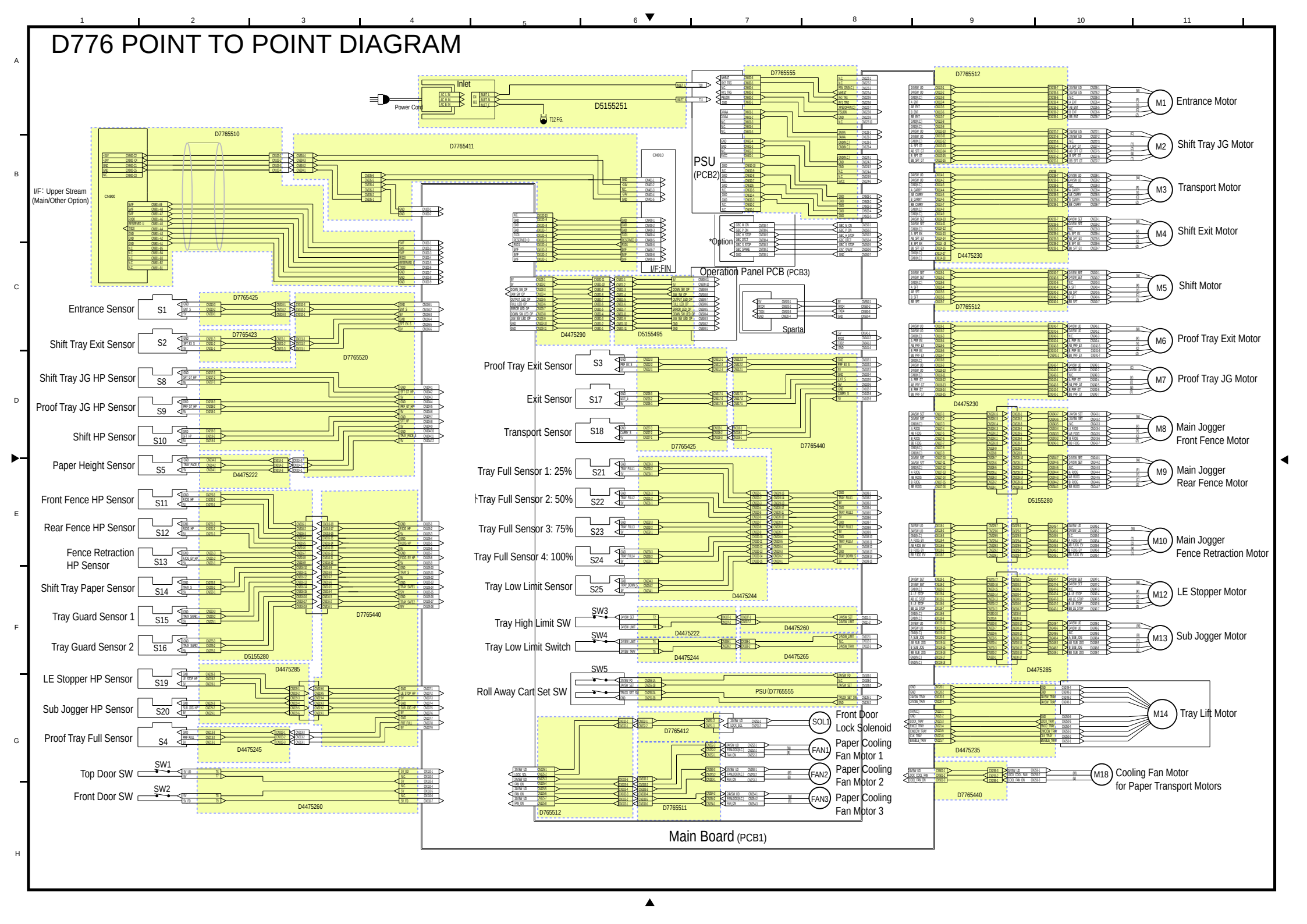
Fig.30

Symbol	Index No.	Description	P to P	Page
LEDs				
LED1	Fig.30-13	Vertical Transport LED (Tray 1)	B14	1/8
LED2	Fig.30-1	Toner Remaining LED (Y1)	C14	2/8
LED3	Fig.30-2	Toner Remaining LED (Y2)	C14	2/8
LED4	Fig.30-3	Toner Remaining LED (M1)	E14	2/8
LED5	Fig.30-4	Toner Remaining LED (M2)	E14	2/8
LED6	Fig.30-5	Toner Remaining LED (C1)	G14	2/8
LED7	Fig.30-6	Toner Remaining LED (C2)	H14	2/8
LED8	Fig.30-7	Toner Remaining LED (K1)	J14	2/8
LED9	Fig.30-8	Toner Remaining LED (K2)	J14	2/8
LED10	Fig.30-14	Registration Unit LED	E15	4/8
LED11	Fig.30-10	Registration Entrance LED	E14	5/8
LED12	Fig.30-11	Paper Transport LED 5	E14	5/8
LED13	Fig.30-9	Paper Transport LED 6	E14	5/8
LED14	Fig.30-15	Paper Transport LED 3	F14	5/8
LED15	Fig.30-12	Paper Transport LED 4	F14	5/8
LED16	Fig.30-16	PTB Unit LED	G14	5/8
LED17	Fig.30-19	Vertical Transport LED (Tray 2)	E6	6/8
LED18	Fig.30-27	Fusing Entrance LED	I13	6/8
LED19	Fig.30-26	Fusing Unit LED	I15	6/8
LED20	Fig.30-21	Purge Tray LED	D14	7/8
LED21	Fig.30-25	Paper Cooling Belt LED	C5	8/8
LED22	Fig.30-17	Paper Transport LED 2	D5	8/8
LED23	Fig.30-22	Paper Exit LED	C13	8/8
LED24	Fig.30-24	De-curler Unit LED	E12	8/8
LED25	Fig.30-23	Paper Exit Inverter LED	H11	8/8
LED26	Fig.30-20	Duplex Inverter LED	H11	8/8
LED27	Fig.30-18	Paper Transport LED 1	H12	8/8

D776 POINT TO POINT DIAGRAM



D776 ELECTRICAL COMPONENT LAYOUT

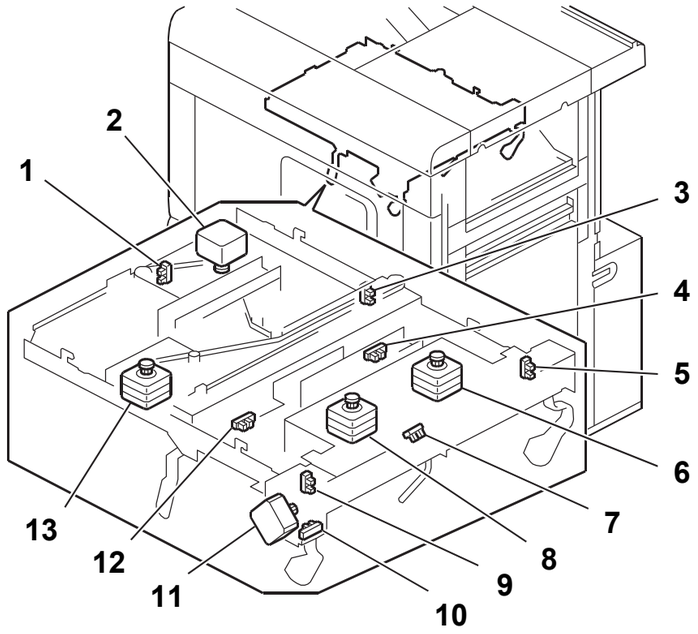


Fig.-1 D515D103.WMF

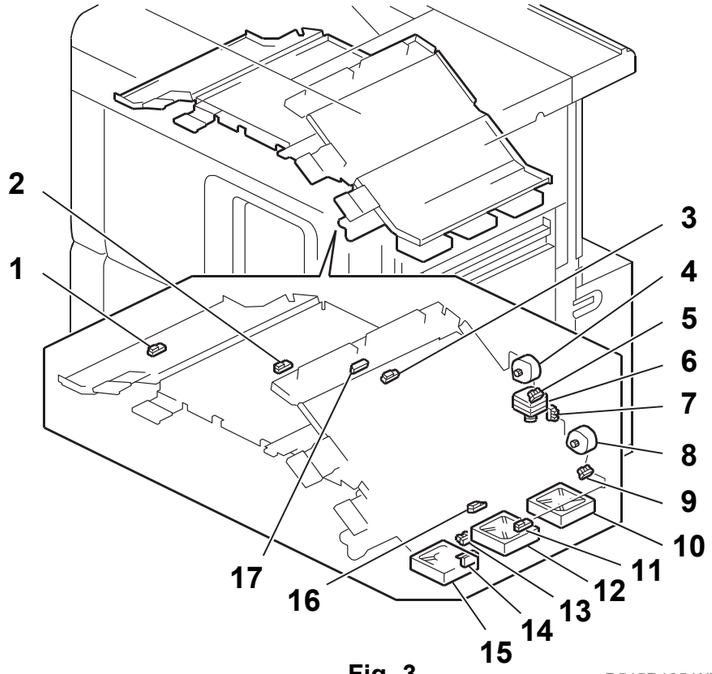


Fig.-3 D515D105.WMF

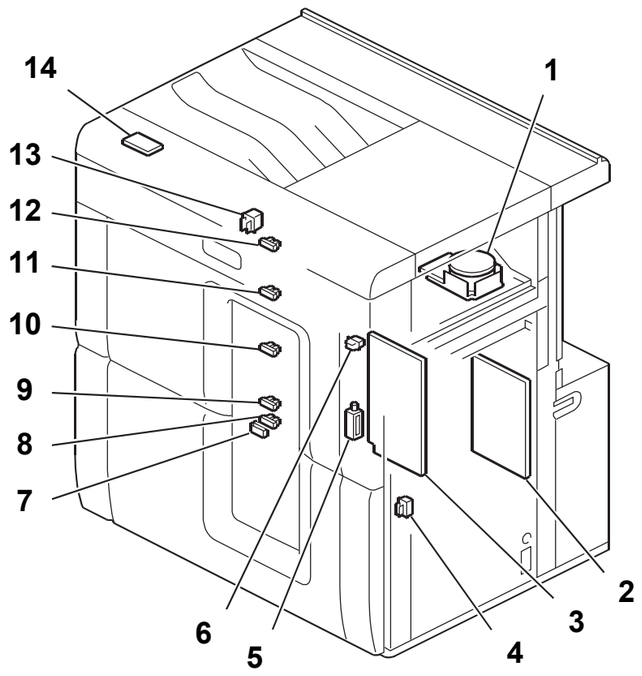


Fig.-2 D515D104.WMF

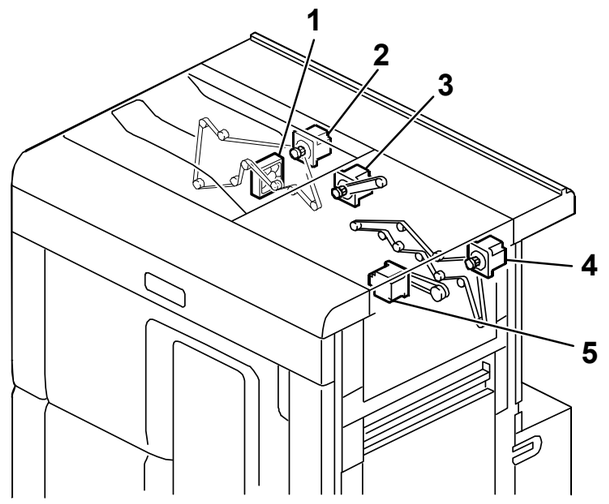
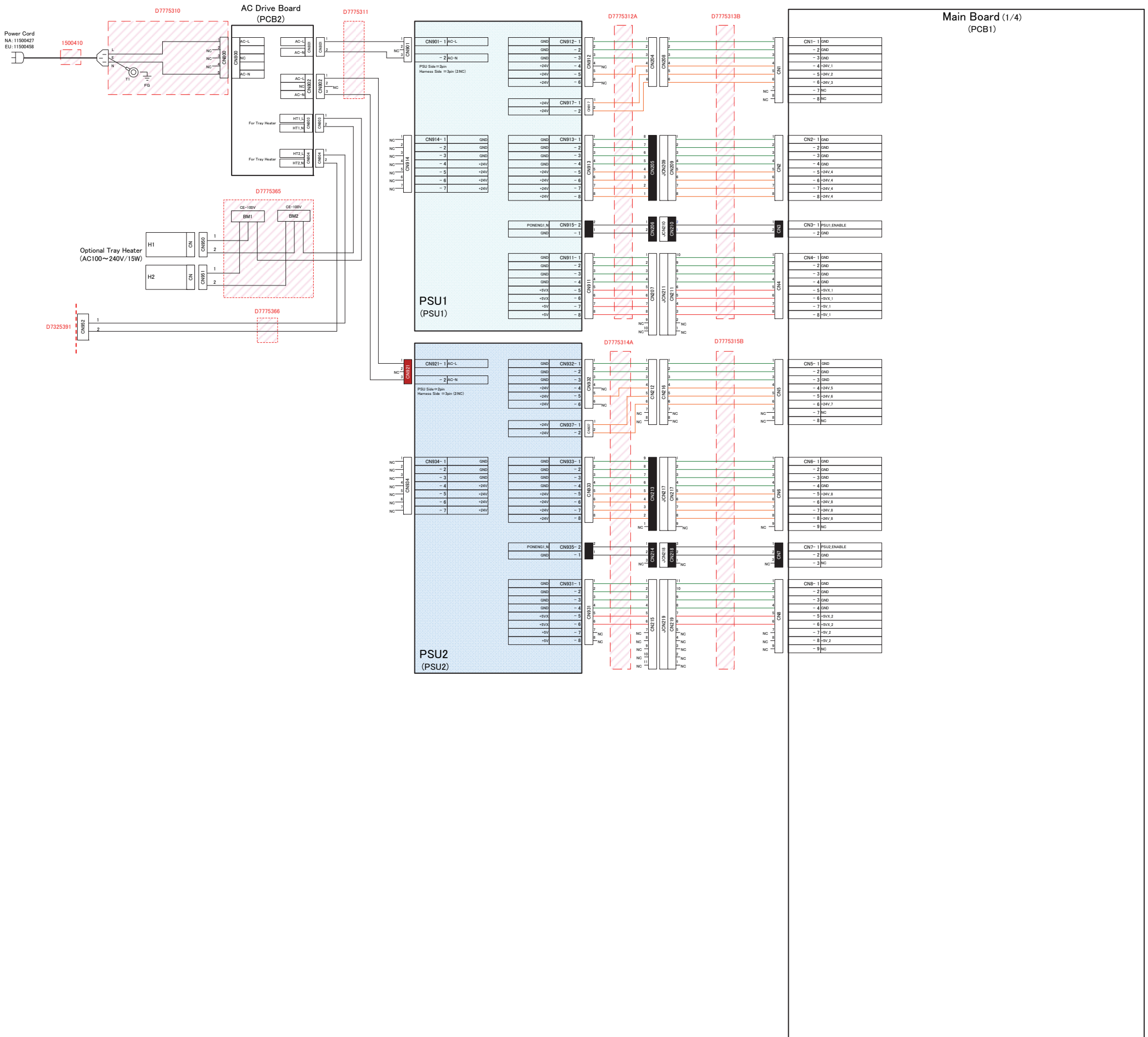


Fig.-4 d776c9004.WMF

Symbol	Index No.	Descruption	P to P
Motors			
M1	fig 4-4	Entrance Motor	A11
M2	fig 3-8	Shift Tray JG Motor	A11
M3	fig 4-2	Transport Motor	B11
M4	fig 4-5	Shift Exit Motor	B11
M5	fig 3-6	Shift Motor	C11
M6	fig 4-3	Proof Tray Exit Motor	C11
M7	fig 3-4	Proof Tray JG Motor	D11
M8	fig 1-8	Main Jogger Front Fence Motor	D11
M9	fig 1-6	Main Jogger Rear Fence Motor	E11
M10	fig 1-11	Main Jogger Fence Retraction Motor	E11
M12	fig 1-2	LE Stopper Motor	F11
M13	fig 1-13	Sub Jogger Motor	F11
M14	fig 2-1	Tray Lift Motor	G11
M18	fig 4-1	Cooling Fan Motor for Paper Transport Motors	G10
FANs			
FAN1	fig 3-15	Paper Cooling Fan Motor 1	G8
FAN2	fig 3-12	Paper Cooling Fan Motor 2	G8
FAN3	fig 3-10	Paper Cooling Fan Motor 3	H8
PCBs			
PCB1	fig 2-2	Main Board	H7
PCB2	fig 2-3	PSU	B7
PCB3	fig 2-14	Operation Panel PCB	C7
Solenoid			
SOL1	fig 2-5	Front Door Lock Solenoid	G8
Sensors			
S1	fig 3-11	Entrance Sensor	C2
S2	fig 3-16	Shift Tray Exit Sensor	C2
S3	fig 3-3	Proof Tray Exit Sensor	D6
S4	fig 3-17	Proof Tray Full Sensor	G2
S5	fig 3-13	Paper Height Sensor	E2
S8	fig 3-9	Shift Tray JG HP Sensor	D2
S9	fig 3-5	Proof Tray JG HP Sensor	D2
S10	fig 3-7	Shift HP Sensor	D2
S11	fig 1-9	Front Fence HP Sensor	E2
S12	fig 1-5	Rear Fence HP Sensor	E2
S13	fig 1-10	Fence Retraction HP Sensor	E2
S14	fig 1-7	Shift Tray Paper Sensor	F2
S15	fig 1-12	Tray Guard Sensor 1	F2
S16	fig 1-4	Tray Guard Sensor 2	F2
S17	fig 3-1	Exit Sensor	D6
S18	fig 3-2	Transport Sensor	D6
S19	fig 1-1	LE Stopper HP Sensor	G2
S20	fig 1-3	Sub Jogger HP Sensor	G2
S21	fig 2-12	Tray Full Sensor 1: 25%	E6
S22	fig 2-11	Tray Full Sensor 2: 50%	E6
S23	fig 2-10	Tray Full Sensor 3: 75%	E6
S24	fig 2-9	Tray Full Sensor 4: 100%	E6
S25	fig 2-8	Tray Low Limit Sensor	F6
Switches			
SW1	fig 2-13	Top Door SW	G2
SW2	fig 2-6	Front Door SW	H2
SW3	fig 3-14	Tray High Limit SW	F6
SW4	fig 2-7	Tray Low Limit Switch	F6
SW5	fig 2-4	Roll Away Cart Set SW	G6

D777 POINT TO POINT DIAGRAM (1/4)



D777 POINT TO POINT DIAGRAM (2/4)

Main Board (2/4)
(PCB1)

Main Machine I/F,
LCIT Connection I/F
(ASAP,Main Machine+24V Supply)

Upstream Unit
(Main machine/Vacuum Feed LCIT)

Downstream Unit
(Vacuum Feed LCIT)

PSU Cooling Fan 1 (FAN1)
PSU Cooling Fan 2 (FAN2)
D7775316A
D7775317A
CN9- 1 PSU Cooling Fan 1_+24V
- 2 PSU Cooling Fan 1_ALM
- 3 PSU Cooling Fan1_GND
CN10- 1 PSU Cooling Fan 2_+24V
- 2 PSU Cooling Fan 2_ALM
- 3 PSU Cooling Fan 2_GND
- 4 NC

D7775301B
CN11- 1 RxD3(Main Machine)/LCIT1 TxD3)
- 2 GND(Condenser)
- 3 TxD3(Main Machine)/LCIT1 RxD3)
- 4 RxD2(Main Machine)/LCIT1 TxD2)
- 5 GND
- 6 TxD2(Main Machine)/LCIT1 RxD2)
- 7 RxD1(Main Machine)/CPU TxD0)
- 8 GND
- 9 TxD1(Main Machine)/CPU RxD0)
CN12- 1 +24V(Main Machine)
- 2 GND
- 3 GND

D7785360A
D7785380
CN13- 1 NC
- 2 GND
- 3 GND
- 4 GND
- 5 RxD2(LCT2)/LCT3 TxD1)
- 6 GND
- 7 TxD2(LCT2)/LCT3 RxD1)
- 8 RxD1(LCT1)/LCT2 TxD1)
- 9 GND
- 10 TxD1(LCT1)/LCT2 RxD1)

D7775340B
CN21- 1 Tray1 Paper Feed Belt Motor_A
- 2 +24V
- 3 Tray1 Paper Feed Belt Motor_AB
- 4 Tray1 Paper Feed Belt Motor_B
- 5 +24V
- 6 Tray1 Paper Feed Belt Motor_BB
- 7 Tray1 Grip Motor_A
- 8 +24V
- 9 Tray1 Grip Motor_AB
- 10 Tray1 Grip Motor_B
- 11 +24V
- 12 Tray1 Grip Motor_BB
- 13 Tray2 Paper Feed Belt Motor_A
- 14 +24V
- 15 Tray2 Paper Feed Belt Motor_AB
- 16 Tray2 Paper Feed Belt Motor_B
- 17 +24V
- 18 Tray2 Paper Feed Belt Motor_BB
- 19 Tray2 Grip Motor_A
- 20 +24V
- 21 Tray2 Grip Motor_AB
- 22 Tray2 Grip Motor_B
- 23 +24V
- 24 Tray2 Grip Motor_BB

M1 Tray1 Pickup belt Motor
M2 Tray1 Grip Motor
M3 Tray2 Pickup belt Motor
M4 Tray2 Grip Motor
Tray1 Paper Feed Belt Motor
Tray1 Grip Motor
Tray2 Paper Feed Belt Motor
Tray2 Grip Motor

D7775341B
CN22- 1 Tray1 Vertical Transport Motor 1_A
- 2 +24V
- 3 Tray1 Vertical Transport Motor 1_AB
- 4 Tray1 Vertical Transport Motor 1_B
- 5 +24V
- 6 Tray1 Vertical Transport Motor 1_BB
- 7 Tray1 Vertical Transport Motor 2_A
- 8 +24V
- 9 Tray1 Vertical Transport Motor 2_AB
- 10 Tray1 Vertical Transport Motor 2_B
- 11 +24V
- 12 Tray1 Vertical Transport Motor 2_BB
- 13 Tray2 Vertical Transport Motor 1_A
- 14 +24V
- 15 Tray2 Vertical Transport Motor 1_AB
- 16 Tray2 Vertical Transport Motor 1_B
- 17 +24V
- 18 Tray2 Vertical Transport 1BB
- 19 Tray2 Vertical Transport Motor 2_A
- 20 +24V
- 21 Tray2 Vertical Transport Motor 2_AB
- 22 Tray2 Vertical Transport Motor 2_B
- 23 +24V
- 24 Tray2 Vertical Transport Motor 2_BB
- 25 Bypass Vertical Transport Motor 2_A
- 26 +24V
- 27 Bypass Vertical Transport Motor 2_AB
- 28 Bypass Vertical Transport Motor 2_B
- 29 +24V
- 30 Bypass Vertical Transport Motor 2_BB

M5 Tray1 Vertical Transport Motor 1
M6 Tray1 Vertical Transport Motor 2
M7 Tray2 Vertical Transport Motor 1
M8 Tray2 Vertical Transport Motor 2
M9 Bypass Vertical Transport Motor 2
Multi Bypass Tray Connection Kit
Vertical Transport (Paper Transport Motor)

D7775342B
CN23- 1 Vertical Transport Exit Motor_A
- 2 +24V
- 3 Vertical Transport Exit Motor_AB
- 4 Vertical Transport Exit Motor_B
- 5 +24V
- 6 Vertical Transport Exit Motor_BB
- 7 LCIT Exit Motor_A
- 8 +24V
- 9 LCIT Exit Motor_AB
- 10 LCIT Exit Motor_B
- 11 +24V
- 12 LCIT Exit Motor_BB
- 13 LCIT Exit Roller Contact Motor_A
- 14 +24V
- 15 LCIT Exit Roller Contact Motor_AB
- 16 LCIT Exit Roller Contact Motor_B
- 17 +24V
- 18 LCIT Exit Roller Contact Motor_BB

M10 Vertical Transport Exit Motor
M11 LCIT Exit Motor
M12 LCIT Exit Roller Contact Motor

Tray 1 Paper Feed Belt Unit
Tray1 Paper End Sensor (S1)
D7775326A
D7775323B
D7775327A
D7775321B
CN16- 1 Tray1 Upper Limit Detection SOL1
- 2 +24V
- 3 Tray1 Upper Limit Detection SOL2
- 4 +24V
- 5 +5V
- 6 Tray 1 Paper Feed Belt Unit SET Detection
- 7 Tray1 Paper End Sensor
- 8 LCIT Exit Roller Contact Motor Cooling Fan_SET Detection
- 9 LCIT Exit Roller Contact Motor Cooling Fan_ALM
- 10 GND
- 11 Tray1 Suction Shutter SOL
- 12 +24V

LCIT Exit Roller Contact Motor Cooling Fan (FAN5)

Tray1/2 Tray Upper Limit Sensor
Tray1 Tray Upper Limit Sensor (S2)
Tray2 Tray Upper Limit Sensor (S3)
D7775320A
CN14- 1 GND
- 2 Tray1 Tray Upper Limit Sensor
- 3 +5V
- 4 GND
- 5 Tray2 Tray Upper Limit Sensor
- 6 +5V

Tray 2 Paper Feed Belt Unit
Tray2 Paper End Sensor (S4)
D7775322B
CN18- 1 Tray2 Upper Limit Detection SOL1
- 2 +24V
- 3 Tray2 Upper Limit Detection SOL2
- 4 +24V
- 5 +5V
- 6 Tray2 Paper Feed Belt Unit SET Detection
- 7 Tray2 Paper End Sensor
- 8 Transport Motor Cooling Fan SET Detection
- 9 Transport Motor Cooling Fan_ALM
- 10 GND
- 11 Tray2 Suction Shutter SOL
- 12 +24V
- 13 NC

Transport Motor Cooling Fan (FAN6)

Tray1 Suction Fan
Tray1 Suction Fan1 (FAN3)
Tray1 Suction Fan2 (FAN4)
D7775324A
CN15- 1 GND
- 2 Tray1 Suction Fan1_PWM
- 3 Tray1 Suction Fan1_Sensor
- 4 +24V
- 5 GND
- 6 Tray1 Suction Fan2_PWM
- 7 Tray1 Suction Fan2_Sensor
- 8 +24V
- 9 NC
- 10 NC

Tray2 Suction Fan
Tray2 Suction Fan1 (FAN7)
Tray2 Suction Fan2 (FAN8)
D7775325A
CN17- 1 GND
- 2 Tray2 Suction Fan1_PWM
- 3 Tray2 Suction Fan1_Sensor
- 4 +24V
- 5 GND
- 6 Tray2 Suction Fan2_PWM
- 7 Tray2 Suction Fan2_Sensor
- 8 +24V
- 9 NC
- 10 NC
- 11 NC

Vertical Transport

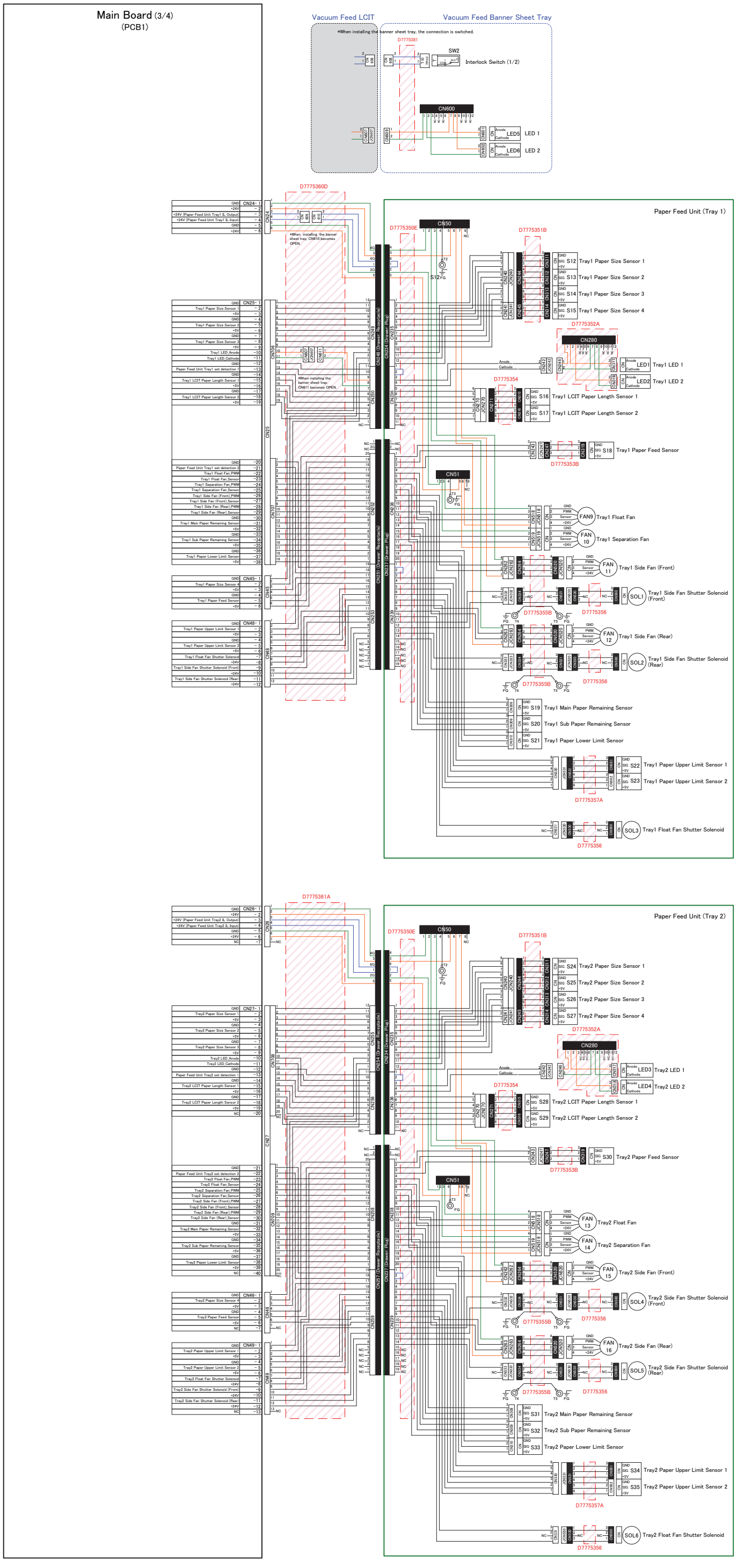
SW1
Interlock Switch
T1 (White)
T2 (White)
D7775330A
CN19- 1 +24V
- 2 NC
- 3 +24V_SW

Tray 1 Transport Sensor (S5)
Tray 1 Vertical Transport Sensor (S6)
Tray 2 Vertical Transport Sensor (S7)
Tray 2 Transport Sensor (S8)
LCIT Exit Roller Contact Sensor (S9)
LCIT Exit Sensor (S10)
Bypass Transport Sensor 2 (S11)
D7775331A
D7775333A
D7775334A
CN20- 1 GND
- 2 Tray1 Transport Sensor
- 3 +5V
- 4 GND
- 5 Tray1 Vertical Transport Sensor
- 6 +5V
- 7 GND
- 8 Tray 2 Vertical Transport Sensor
- 9 +5V
- 10 GND
- 11 Tray 2 Transport Sensor
- 12 +5V
- 13 NC
- 14 GND
- 15 LCIT Exit Roller Contact Sensor
- 16 +5V
- 17 GND
- 18 LCIT Exit Sensor
- 19 +5V
- 20 GND
- 21 Bypass Transport Sensor 2
- 22 +5V
- 23 NC
- 24 NC
- 25 NC
- 26 NC

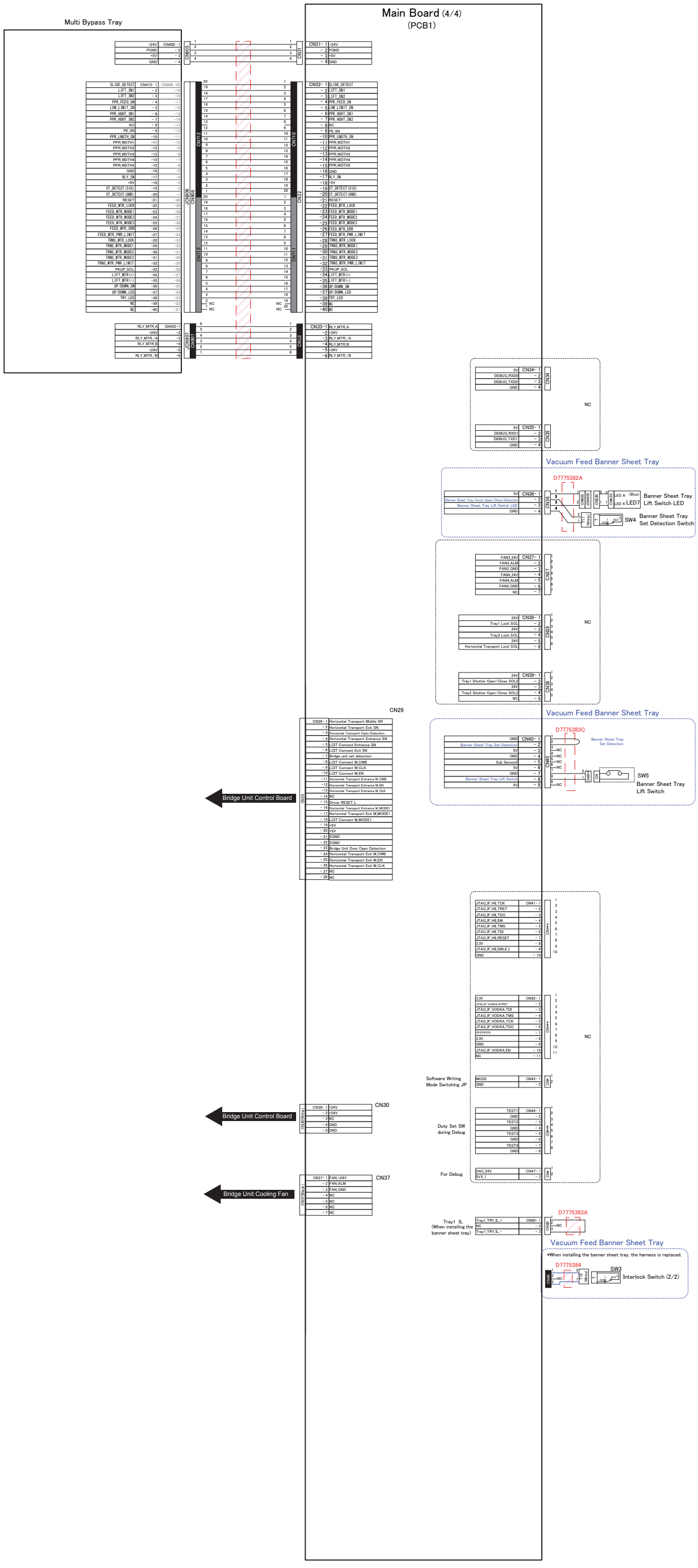
Tray1 LCIT Lift Motor_A CN28- 1
Tray1 LCIT Lift Motor_AB - 2
Tray1 LCIT Lift Motor_B - 3
Tray1 LCIT Lift Motor_BB - 4
Tray2 LCIT Lift Motor_A - 5
Tray2 LCIT Lift Motor_AB - 6
Tray2 LCIT Lift Motor_B - 7
Tray2 LCIT Lift Motor_BB - 8

M13 Tray1 LCIT Lift Motor
M14 Tray2 LCIT Lift Motor
Tray1/2 LCIT Lift Motor

D777 POINT TO POINT DIAGRAM (3/4)



D777 POINT TO POINT DIAGRAM (4/4)



D777 ELECTRICAL COMPONENT LAYOUT

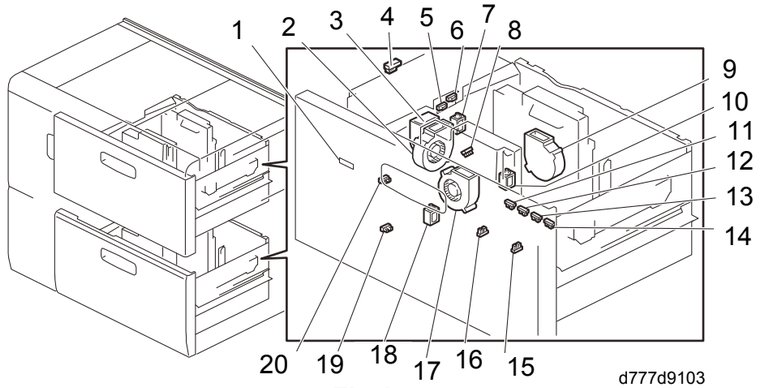


Fig.1

Index No.	Description	Symbol	P to P	Page
fig 1-1	Tray1/2 LED 1,2	LED1/2/3/4	B10/E10	3/4
fig 1-2	Tray1/2 Separation Fan	FAN10/14	C9/F9	3/4
fig 1-3	Tray1/2 Float Fan	FAN9/13	C9/F9	3/4
fig 1-4	Tray1/2 Paper Feed Sensor	S18/30	C9/F9	3/4
fig 1-5	Tray1/2 Paper Upper Limit Sensor 2	S23/35	D9/G9	3/4
fig 1-6	Tray1/2 Paper Upper Limit Sensor 1	S22/34	D9/G9	3/4
fig 1-7	Tray1/2 Float Fan Shutter Solenoid	SOL3/6	D9/G9	3/4
fig 1-8	Tray1/2 Main Paper Remaining Sensor	S19/31	D9/G9	3/4
fig 1-9	Tray1/2 Side Fan (Rear)	FAN12/16	C9/F9	3/4
fig 1-10	Tray1/2 Side Fan Shutter Solenoid (Rear)	SOL2/5	C10/G10	3/4
fig 1-11	Tray1/2 Paper Size Sensor 1	S12/24	B9/E9	3/4
fig 1-12	Tray1/2 Paper Size Sensor 2	S13/25	B9/E9	3/4
fig 1-13	Tray1/2 Paper Size Sensor 3	S14/26	B9/E9	3/4
fig 1-14	Tray1/2 Paper Size Sensor 4	S15/27	B9/E9	3/4
fig 1-15	Tray1/2 LCIT Paper Length Sensor 2	S17/29	B9/E9	3/4
fig 1-16	Tray1/2 LCIT Paper Length Sensor 1	S16/28	B9/E9	3/4
fig 1-17	Tray1/2 Side Fan (Front)	FAN11/15	C9/F9	3/4
fig 1-18	Tray1/2 Side Fan Shutter Solenoid (Front)	SOL1/4	C10/F10	3/4
fig 1-19	Tray1/2 Paper Lower Limit Sensor	S21/33	D9/G9	3/4
fig 1-20	Tray1/2 Sub Paper Remaining Sensor	S20/32	D9/G9	3/4

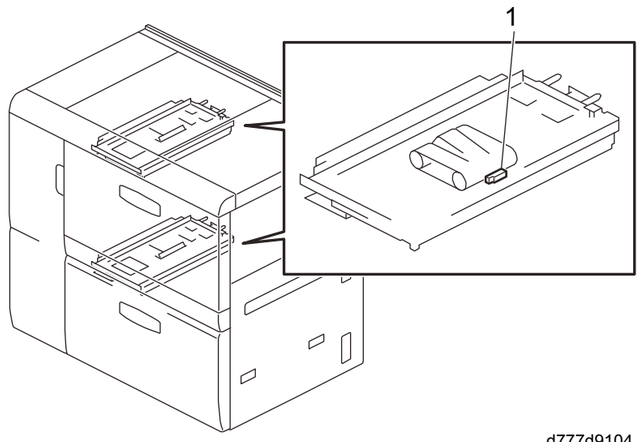


Fig.2

Index No.	Description	Symbol	P to P	Page
fig 2-1	Tray1/2 Paper End Sensor	S1/4	D2/E2	2/4

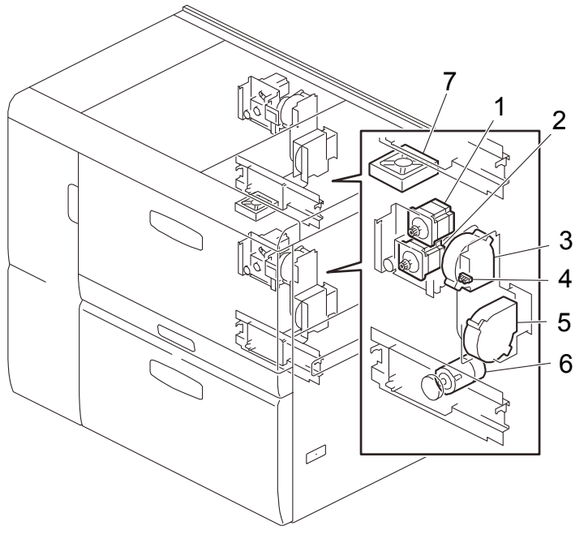


Fig.3

Index No.	Description	Symbol	P to P	Page
fig 3-1	Tray1/2 Pickup belt Motor	M1/3	A8/B8	2/4
fig 3-2	Tray1/2 Grip Motor	M2/4	A8/B8	2/4
fig 3-3	Tray1/2 Suction Fan 1	FAN3/7	C3/E3	2/4
fig 3-4	Tray1/2 Tray Upper Limit Sensor	S2/3	D3	2/4
fig 3-5	Tray1/2 Suction Fan 2	FAN4/8	C3/E3	2/4
fig 3-6	Tray1/2 LCIT Lift Motor	M13/14	F8	2/4
fig 3-7	Transport Motor Cooling Fan	FAN6	E4	2/4

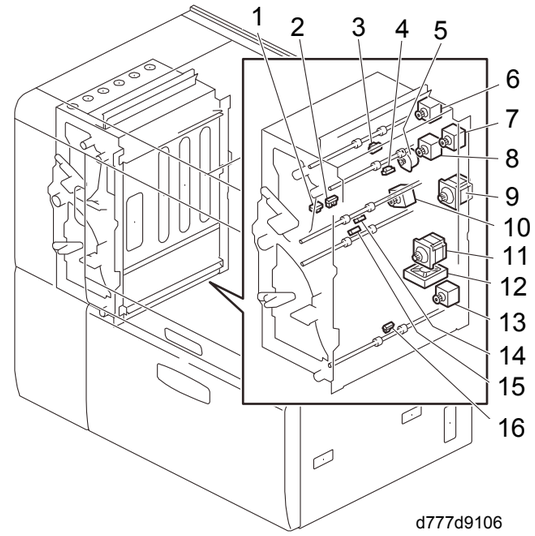


Fig.4

Index No.	Description	Symbol	P to P	Page
fig 4-1	LCIT Exit Roller Contact Sensor	S9	F3	2/4
fig 4-2	LCIT Exit Sensor	S10	F3	2/4
fig 4-3	Bypass Transport Sensor 2	S11	F3	2/4
fig 4-4	Tray 1 Transport Sensor	S5	F3	2/4
fig 4-5	LCIT Exit Roller Contact Motor	M12	C8	2/4
fig 4-6	Bypass Vertical Transport Motor 2	M9	B8	2/4
fig 4-7	Tray 1 Vertical Transport Motor 1	M5	B8	2/4
fig 4-8	Tray 1 Vertical Transport Motor 2	M6	B8	2/4
fig 4-9	Vertical Transport Exit Motor	M10	C8	2/4
fig 4-10	LCIT Exit Motor	M11	C8	2/4
fig 4-11	Tray 2 Vertical Transport Motor 2	M8	B8	2/4
fig 4-12	LCIT Exit Roller Contact Motor Cooling Fan	FAN5	D4	2/4
fig 4-13	Tray 2 Vertical Transport Motor 1	M7	B8	2/4
fig 4-14	Tray 1 Vertical Transport Sensor	S6	F3	2/4
fig 4-15	Tray 2 Vertical Transport Sensor	S7	F3	2/4
fig 4-16	Tray 2 Transport Sensor	S8	F3	2/4

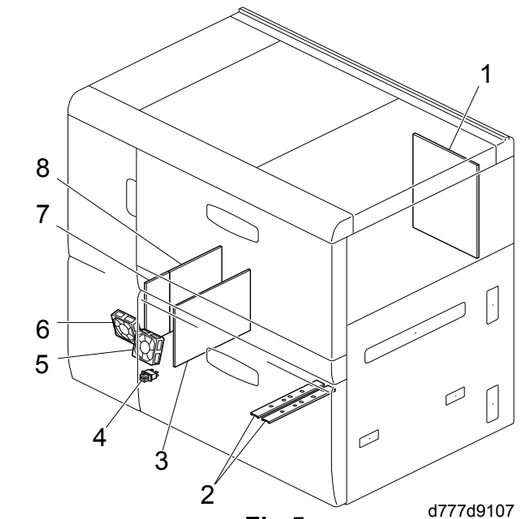


Fig.5

Index No.	Description	Symbol	P to P	Page
fig 5-1	Main Board	PCB1	A9	1/4
			A6	2/4
			A5	3/4
			A8	4/4
fig 5-2	Optional Tray Heater	H1/2	B2	1/4
fig 5-3	PSU 2	PSU2	D4	1/4
fig 5-4	Interlock Switch	SW1	E3	2/4
fig 5-5	PSU Cooling Fan 1	FAN1	A3	2/4
fig 5-6	PSU Cooling Fan 2	FAN2	A3	2/4
fig 5-7	AC Drive Board	PCB2	A3	1/4
fig 5-8	PSU 1	PSU1	B4	1/4

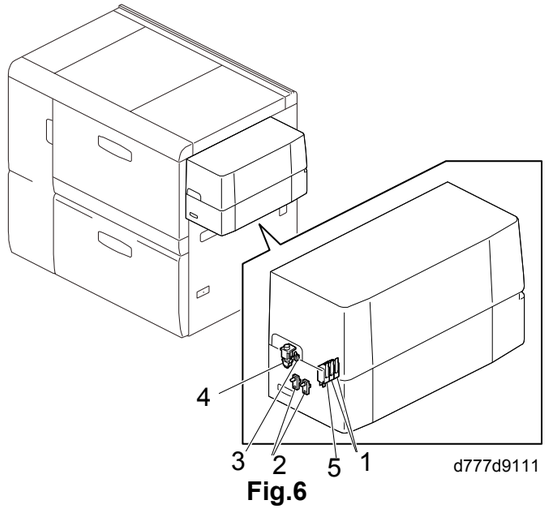
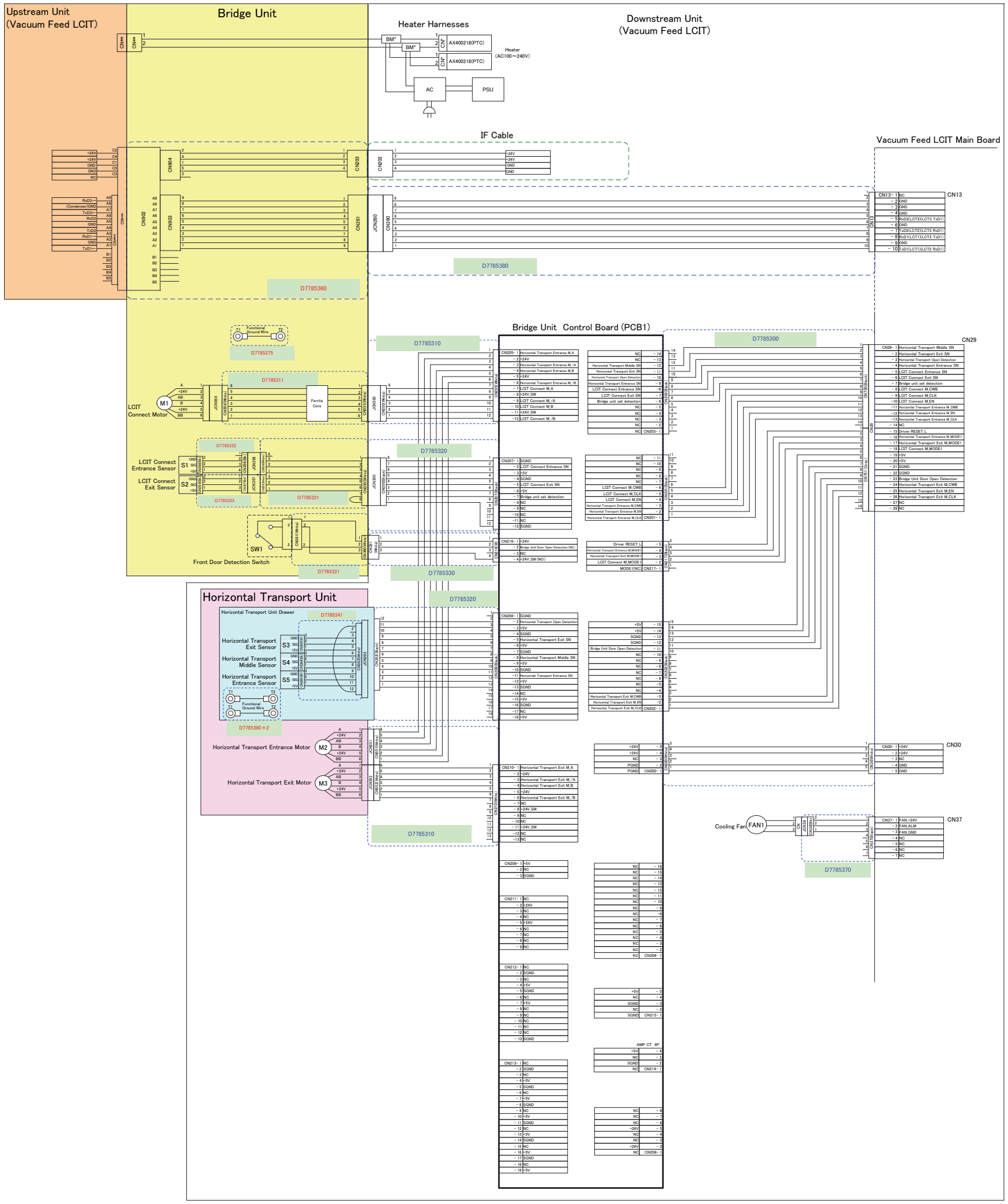


Fig.6

Index No.	Description	Symbol	P to P	Page
Vacuum Feed Banner Sheet Tray Type S3				
fig 6-1	Interlock Switch (1/2)	SW2	A8	3/4
	Interlock Switch (2/2)	SW3	F9	4/4
fig 6-2	LED 1,2	LED5/6	A8	3/4
fig 6-3	Banner Sheet Tray Lift Switch LED	LED7	C10	4/4
fig 6-4	Banner Sheet Tray Lift Switch	SW5	D10	4/4
fig 6-5	Banner Sheet Tray Set Detection Switch	SW4	C10	4/4

D778 POINT TO POINT DIAGRAM



CN205

CN205- 1	Horizontal Transport Entrance M_A
- 2	+24V
- 3	Horizontal Transport Entrance M_/A
- 4	Horizontal Transport Entrance M_B
- 5	+24V
- 6	Horizontal Transport Entrance M_/B
- 7	LCIT Connect M_A
- 8	+24V_SW
- 9	LCIT Connect M_/A
- 10	LCIT Connect M_B
- 11	+24V_SW
- 12	LCIT Connect M_/B

NC	- 14
NC	- 13
Horizontal Transport Middle SN	- 12
Horizontal Transport Exit SN	- 11
Horizontal Transport Open Detection	- 10
Horizontal Transport Entrance SN	- 9
LCIT Connect Entrance SN	- 8
LCIT Connect Exit SN	- 7
Bridge unit set detection	- 6
NC	- 5
NC	- 4
NC	- 3
NC	- 2
NC	CN203- 1

CN206

CN29- 1	Horizontal Transport Middle SN
- 2	Horizontal Transport Exit SN
- 3	Horizontal Transport Open Detection
- 4	Horizontal Transport Entrance SN
- 5	LCIT Connect Entrance SN
- 6	LCIT Connect Exit SN
- 7	Bridge unit set detection
- 8	LCIT Connect M_CWB
- 9	LCIT Connect M_CLK
- 10	LCIT Connect M_EN
- 11	Horizontal Transport Entrance M_CWB
- 12	Horizontal Transport Entrance M_EN
- 13	Horizontal Transport Entrance M_CLK
- 14	NC
- 15	Driver RESET_L
- 16	Horizontal Transport Entrance M_MODE1
- 17	Horizontal Transport Exit M_MODE1
- 18	LCIT Connect M_MODE1
- 19	+5V
- 20	+5V
- 21	SGND
- 22	SGND
- 23	Bridge Unit Door Open Detection
- 24	Horizontal Transport Exit M_CWB
- 25	Horizontal Transport Exit M_EN
- 26	Horizontal Transport Exit M_CLK
- 27	NC
- 28	NC

CN207

CN207- 1	SGND
- 2	LCIT Connect Entrance SN
- 3	+5V
- 4	SGND
- 5	LCIT Connect Exit SN
- 6	+5V
- 7	Bridge unit set detection
- 8	NC
- 9	NC
- 10	NC
- 11	NC
- 12	SGND

NC	- 11
NC	- 10
NC	- 9
NC	- 8
NC	- 7
LCIT Connect M_CWB	- 6
LCIT Connect M_CLK	- 5
LCIT Connect M_EN	- 4
Horizontal Transport Entrance M_CWB	- 3
Horizontal Transport Entrance M_EN	- 2
Horizontal Transport Entrance M_CLK	CN201- 1

CN216

CN216- 1	+24V
- 2	Bridge Unit Door Open Detection (NC)
- 3	NC
- 4	+24V_SW (NO)

Driver RESET_L	- 5
Horizontal Transport Entrance M_MODE1	- 4
Horizontal Transport Exit M_MODE1	- 3
LCIT Connect M_MODE1	- 2
MODE (NC)	CN217- 1

CN208

CN208- 1	SGND
- 2	Horizontal Transport Open Detection
- 3	+5V
- 4	SGND
- 5	Horizontal Transport Exit SN
- 6	+5V
- 7	SGND
- 8	Horizontal Transport Middle SN
- 9	+5V
- 10	SGND
- 11	Horizontal Transport Entrance SN
- 12	+5V
- 13	SGND
- 14	NC
- 15	+5V
- 16	SGND
- 17	NC
- 18	+5V

+5V	- 15
+5V	- 14
SGND	- 13
SGND	- 12
Bridge Unit Door Open Detection	- 11
NC	- 10
NC	- 9
NC	- 8
NC	- 7
NC	- 6
NC	- 5
NC	- 4
Horizontal Transport Exit M_CWB	- 3
Horizontal Transport Exit M_EN	- 2
Horizontal Transport Exit M_CLK	CN202- 1

CN210

CN210- 1	Horizontal Transport Exit M_A
- 2	+24V
- 3	Horizontal Transport Exit M_/A
- 4	Horizontal Transport Exit M_B
- 5	+24V
- 6	Horizontal Transport Exit M_/B
- 7	NC
- 8	+24V_SW
- 9	NC
- 10	NC
- 11	+24V_SW
- 12	NC
- 13	NC

+24V	- 5
+24V	- 4
NC	- 3
PGND	- 2
PGND	CN200- 1

CN30

CN30- 1	+24V
- 2	+24V
- 3	NC
- 4	GND
- 5	GND

CN209

CN209- 1	+5V
- 2	NC
- 3	SGND

NC	- 16
NC	- 15
NC	- 14
NC	- 13
NC	- 12
NC	- 11
NC	- 10
NC	- 9
NC	- 8
NC	- 7
NC	- 6
NC	- 5
NC	- 4
NC	- 3
NC	- 2
NC	CN204- 1

CN211

CN211- 1	NC
- 2	+24V
- 3	NC
- 4	NC
- 5	+24V
- 6	NC
- 7	NC
- 8	NC
- 9	NC

CN212

CN212- 1	NC
- 2	SGND
- 3	NC
- 4	+5V
- 5	SGND
- 6	NC
- 7	+5V
- 8	NC
- 9	NC
- 10	NC
- 11	NC
- 12	NC
- 13	SGND

+5V	- 5
NC	- 4
SGND	- 3
NC	- 2
SGND	CN215- 1

CN213

CN213- 1	NC
- 2	SGND
- 3	NC
- 4	+5V
- 5	SGND
- 6	NC
- 7	+5V
- 8	SGND
- 9	NC
- 10	+5V
- 11	SGND
- 12	NC
- 13	+5V
- 14	SGND
- 15	NC
- 16	+5V
- 17	SGND
- 18	NC
- 19	+5V

AMP CT 4P

+5V	- 4
NC	- 3
SGND	- 2
NC	CN214- 1

NC	- 8
NC	- 7
NC	- 6
+24V	- 5
NC	- 4
NC	- 3
+24V	- 2
NC	CN206- 1

CN37

CN37- 1	FAN_+24V
- 2	FAN_ALM
- 3	FAN_GND
- 4	NC
- 5	NC
- 6	NC
- 7	NC

D778 ELECTRICAL COMPONENT LAYOUT

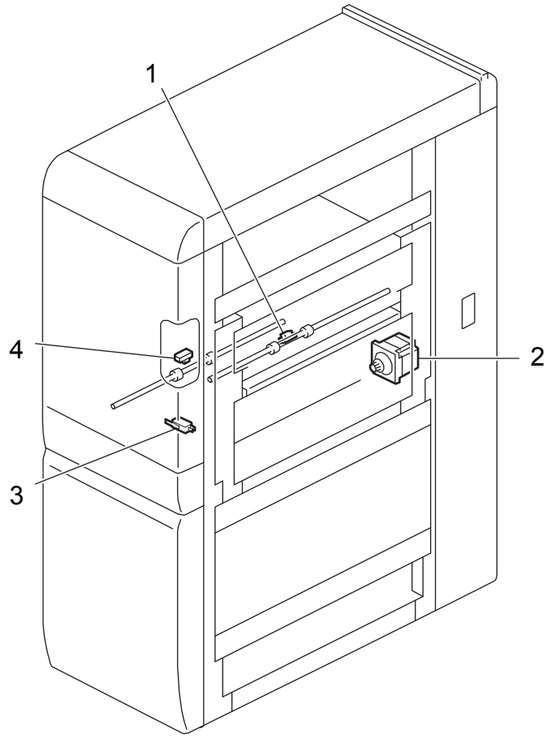


Fig.1 d777d9113

Index No	Description	Symbol	P to P
fig 1-1	LCIT Connect Entrance Sensor	S1	C3
fig 1-2	LCIT Connect Motor	M1	C3
fig 1-3	Front Door Detection Switch	SW1	C3
fig 1-4	LCIT Connect Exit Sensor	S2	C3

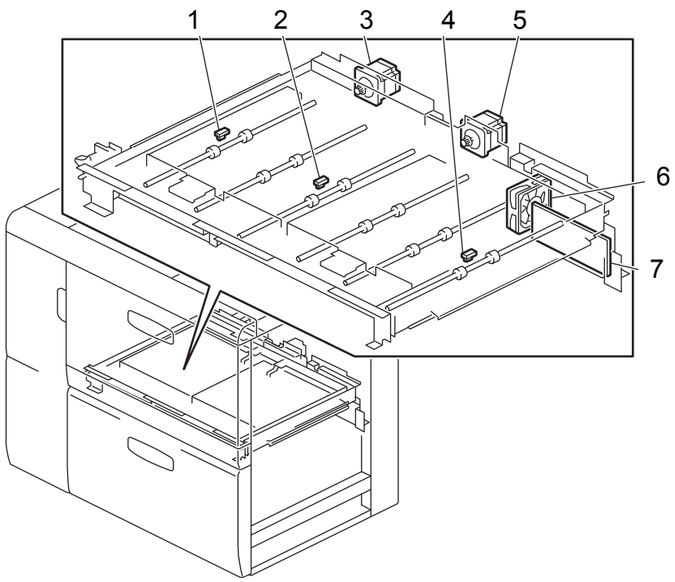


Fig.2 d777d9108

Index No	Description	Symbol	P to P
fig 2-1	Horizontal Transport Exit Sensor	S3	D4
fig 2-2	Horizontal Transport Middle Sensor	S4	D4
fig 2-3	Horizontal Transport Exit Motor	M3	D4
fig 2-4	Horizontal Transport Entrance	S5	D4
fig 2-5	Horizontal Transport Entrance	M2	D4
fig 2-6	Cooling Fan	FAN1	D7
fig 2-7	Control Board	PCB1	B6