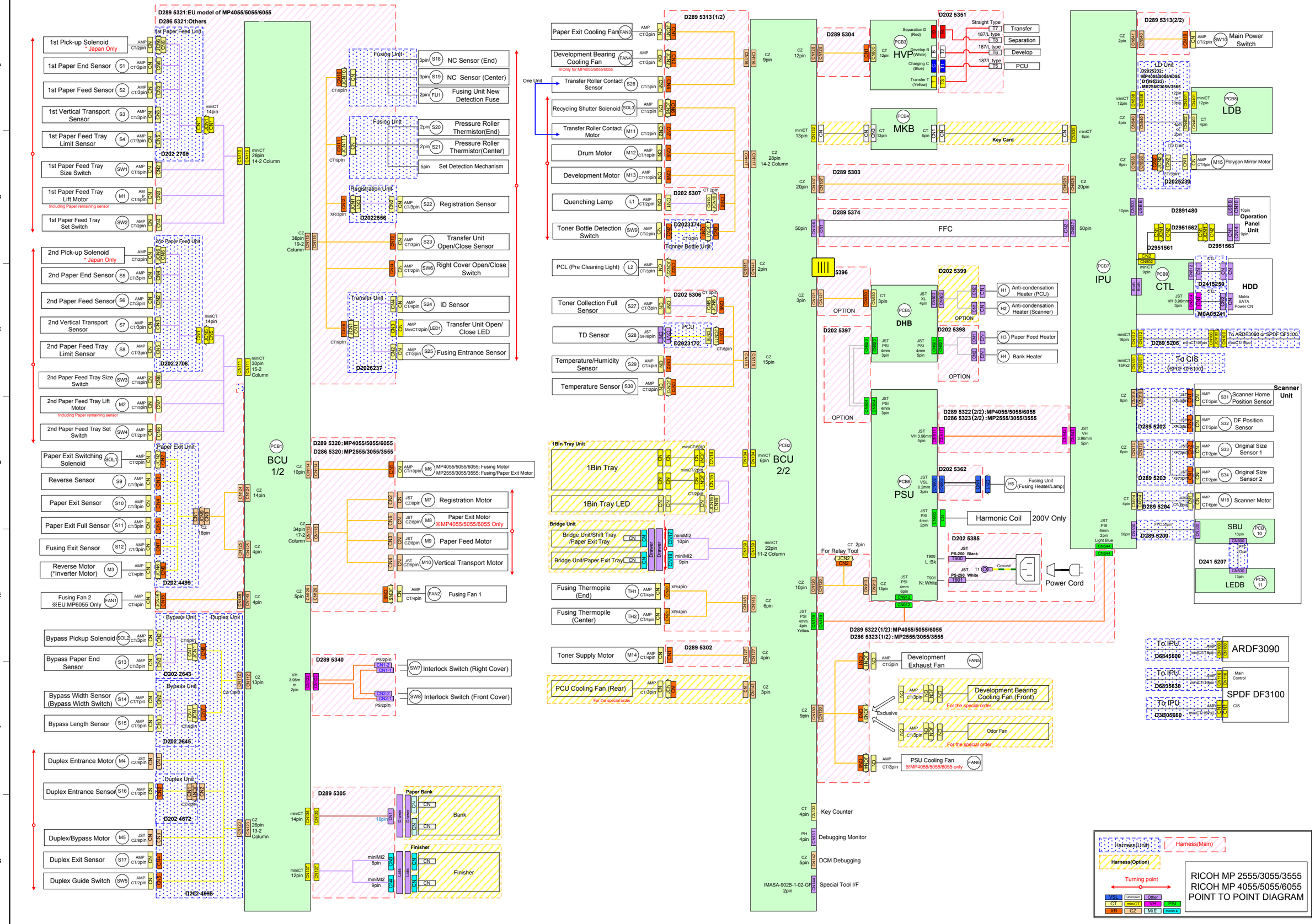

D289 5321:EU model of MP4055/5055/6055
D286 5321:Others
1st Paper Feed Unit
1st Pick-up Solenoid
* Japan Only
1st Paper End Sensor
1st Paper Feed Sensor
1st Vertical Transport Sensor
1st Paper Feed Tray Limit Sensor
1st Paper Feed Tray Size Switch
1st Paper Feed Tray Lift Motor
Including Paper remaining sensor
1st Paper Feed Tray Set Switch
D202 2708
2nd Paper Feed Unit
2nd Pick-up Solenoid
* Japan Only
2nd Paper End Sensor
2nd Paper Feed Sensor
2nd Vertical Transport Sensor
2nd Paper Feed Tray Limit Sensor
2nd Paper Feed Tray Size Switch
2nd Paper Feed Tray Lift Motor
Including Paper remaining sensor
2nd Paper Feed Tray Set Switch
D202 2708
Paper Exit Unit
Paper Exit Switching Solenoid
Reverse Sensor
Paper Exit Sensor
Paper Exit Full Sensor
Fusing Exit Sensor
Reverse Motor (*Inverter Motor)
Including Paper remaining sensor
Fusing Fan 2
※EU MP6055 Only
D202 4499
Bypass Unit
Duplex Unit
Bypass Pickup Solenoid
Bypass Paper End Sensor
D202 2643
Bypass Unit
Bypass Width Sensor (Bypass Width Switch)
Bypass Length Sensor
D202 2645
Duplex Unit
Duplex Entrance Motor
Duplex Entrance Sensor
D202 4672
Duplex/Bypass Motor
Duplex Exit Sensor
Duplex Guide Switch
D202 4695
PCB1
BCU 1/2
Fusing Unit
NC Sensor (End)
NC Sensor (Center)
Fusing Unit New Detection Fuse
Pressure Roller Thermistor(End)
Pressure Roller Thermistor(Center)
Set Detection Mechanism
Registration Unit
Registration Sensor
D2022556
Transfer Unit Open/Close Sensor
Right Cover Open/Close Switch
Transfer Unit
ID Sensor
Transfer Unit Open/ Close LED
Fusing Entrance Sensor
D2026237
D289 5320:MP4055/5055/6055
D286 5320:MP2555/3055/3555
Fusing Motor
Fusing/Paper Exit Motor
Registration Motor
Paper Exit Motor
※MP4055/5055/6055 Only
Paper Feed Motor
Vertical Transport Motor
Fusing Fan 1
D289 5340
Interlock Switch (Right Cover)
Interlock Switch (Front Cover)
D289 5305
Paper Bank
Bank
Finisher
Finisher
D289 5313(1/2)
Paper Exit Cooling Fan
Development Bearing Cooling Fan
※Only for MP4055/5055/6055
Transfer Roller Contact Sensor
Recycling Shutter Solenoid
Transfer Roller Contact Motor
Drum Motor
Development Motor
Quenching Lamp
Toner Bottle Detection Switch
D2023374
Toner Bottle Unit
PCL (Pre Cleaning Light)
Toner Collection Full Sensor
D202 5306
PCU
D2023172
TD Sensor
Temperature/Humidity Sensor
Temperature Sensor
D202 5307
One Unit
D289 5302
Toner Supply Motor
PCU Cooling Fan (Rear)
For the special order
1Bin Tray Unit
1Bin Tray
1Bin Tray LED
Bridge Unit
Bridge Unit/Shift Tray /Paper Exit Tray
Bridge Unit/Paper Exit Tray
Fusing Thermopile (End)
Fusing Thermopile (Center)
PCB2
BCU 2/2
D289 5304
D202 5351
Straight Type
187/L type
Transfer
Separation
Develop
PCU
HVP
MKB
Key Card
D289 5303
D289 5374
FFC
D202 5399
D202 5398
D202 5397
DHB
OPTION
D289 5322(2/2):MP4055/5055/6055
D286 5323(2/2):MP2555/3055/3555
D202 5362
PSU
Harmonic Coil
200V Only
D202 5385
Power Cord
For Relay Tool
D289 5322(1/2):MP4055/5055/6055
D286 5323(1/2):MP2555/3055/3555
Development Exhaust Fan
Development Bearing Cooling Fan (Front)
Exclusive
Odor Fan
PSU Cooling Fan
※MP4055/5055/6055 only
Key Counter
Debugging Monitor
DCM Debugging
Special Tool I/F
IMASA-902B-1-02-GF
D289 5313(2/2)
Main Power Switch
LD Unit
LDB
Polygon Mirror Motor
D2025230
D2891480
Operation Panel Unit
D2951562
D2951561
D2951563
IPU
CTL
D2415258
HDD
M0A05241
To ARDF3090 or SPDF CF3100
D289 5205
To CIS
(SPDF CF3100)
Scanner Unit
Scanner Home Position Sensor
DF Position Sensor
D289 5202
Original Size Sensor 1
D289 5203
Original Size Sensor 2
D289 5204
Scanner Motor
D289 5200
SBU
LEDB
D241 5207
To IPU
D6845500
ARDF3090
To IPU
D6835630
SPDF DF3100
To IPU
D3B05550
Harness(Unit)
Harness(Main)
Harness(Option)
Turning point
RICOH MP 2555/3055/3555
RICOH MP 4055/5055/6055
POINT TO POINT DIAGRAM

MP2555/3055/3555/4055/5055/6055 ELECTRICAL COMPONENT LAYOUT

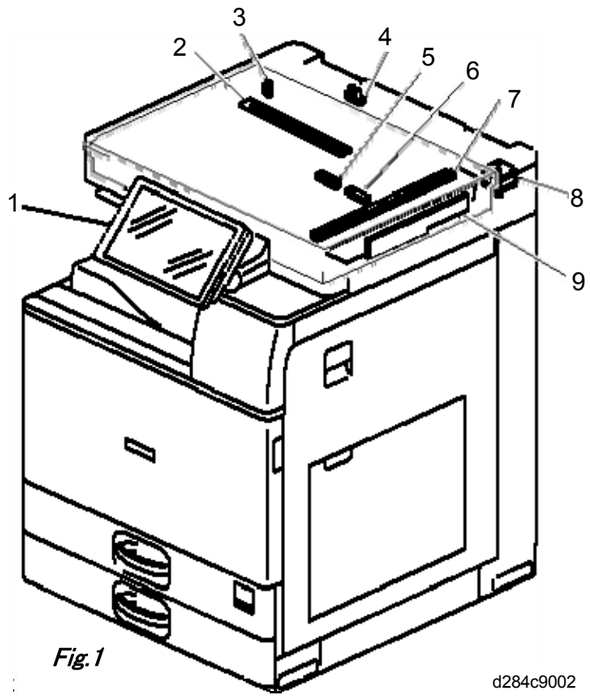


Fig.1

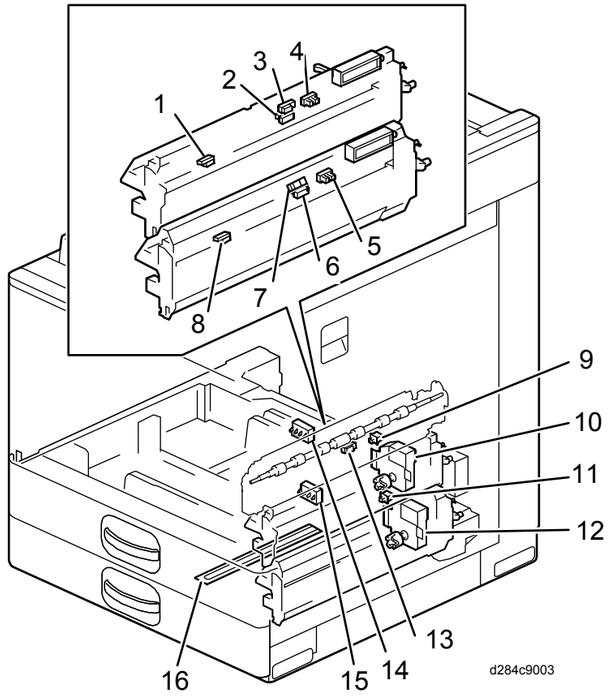


Fig.2

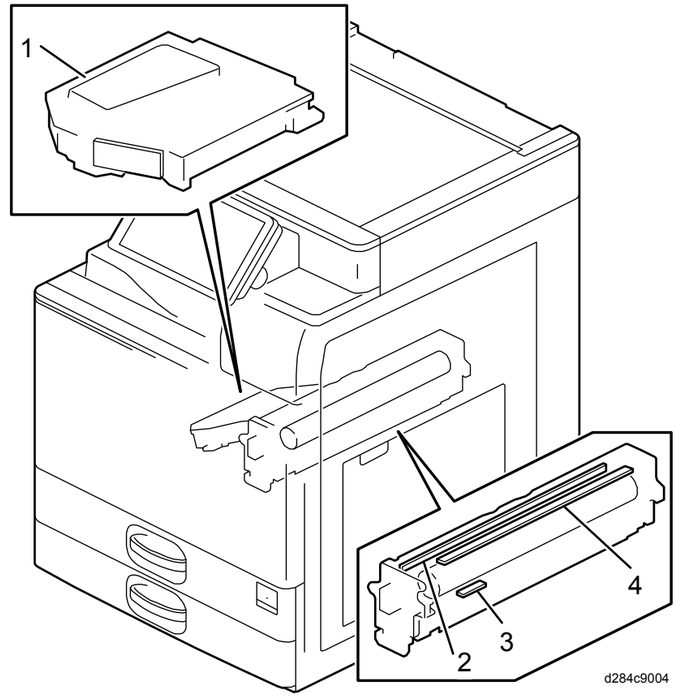


Fig.3

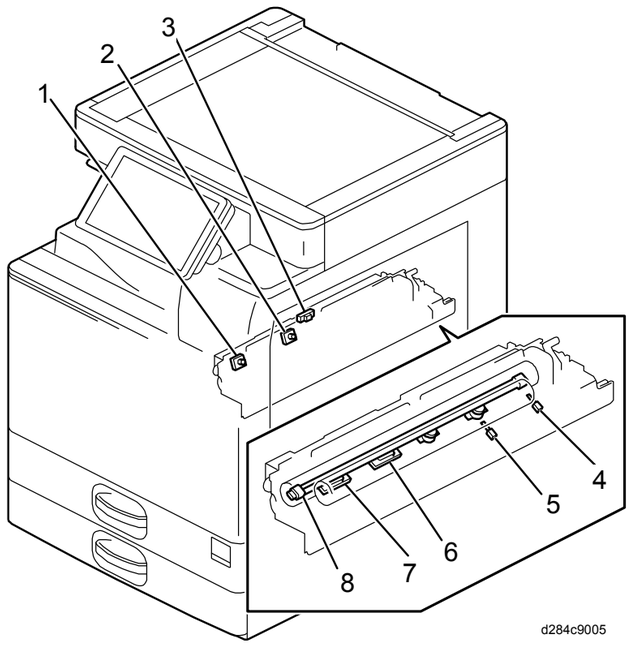


Fig.4

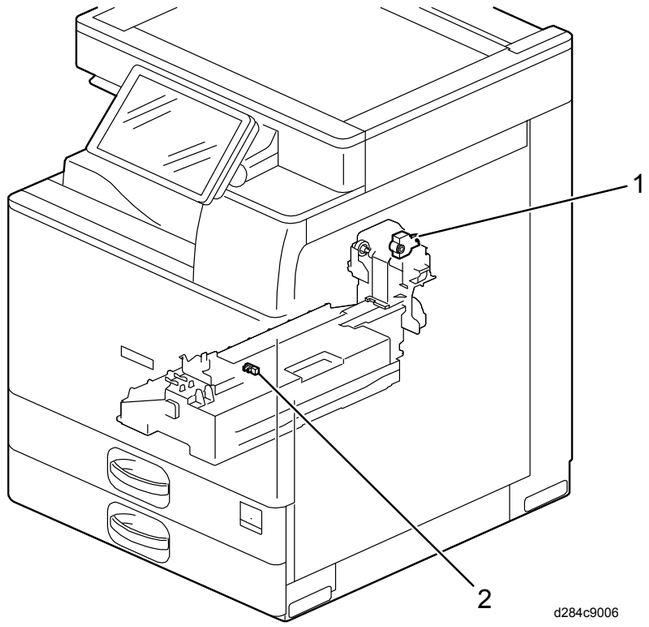


Fig.5

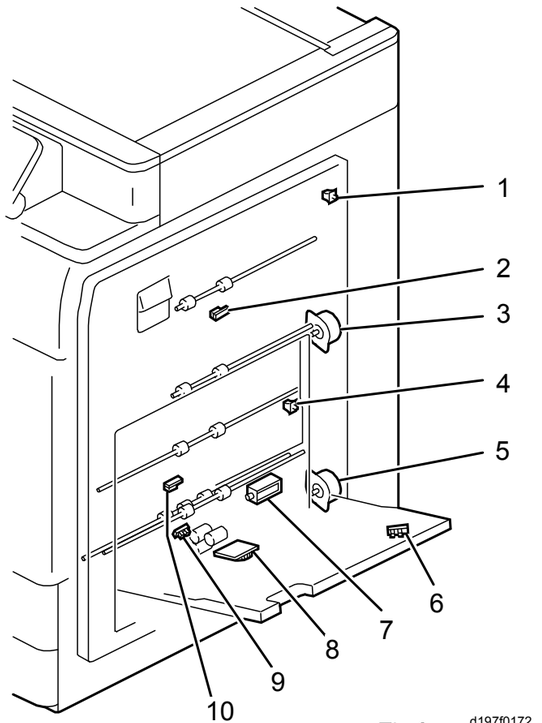


Fig.6

MP2555/3055/3555/4055/5055/6055 ELECTRICAL COMPONENT LAYOUT

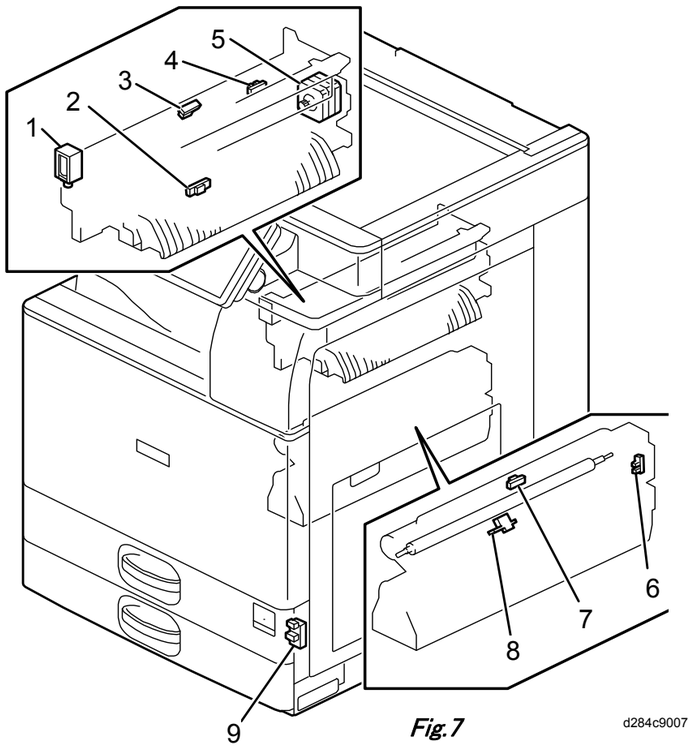
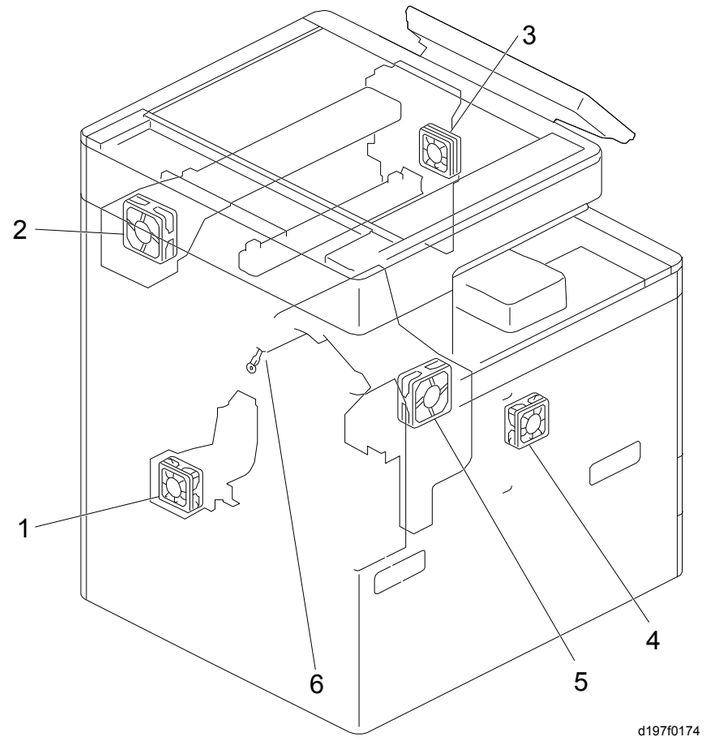


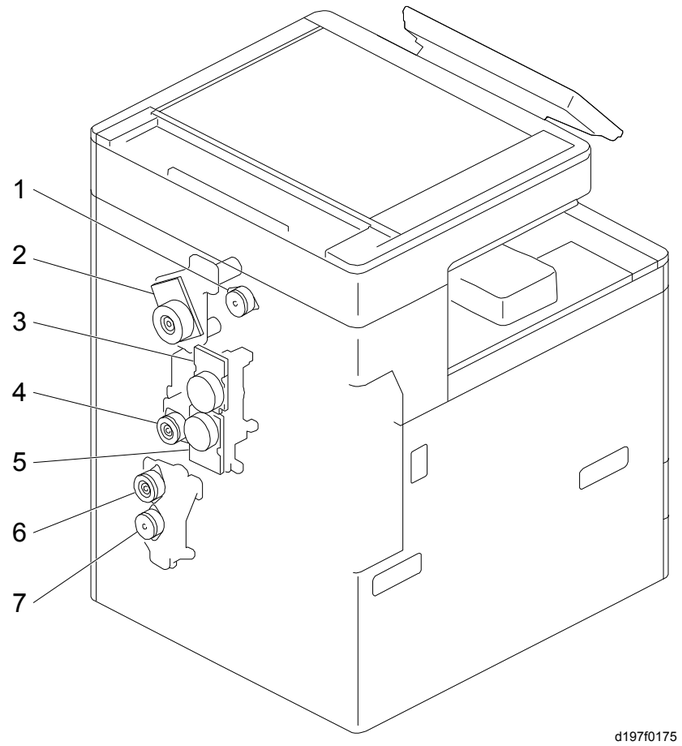
Fig.7

d284c9007



d197f0174

Fig.8



d197f0175

Fig.9

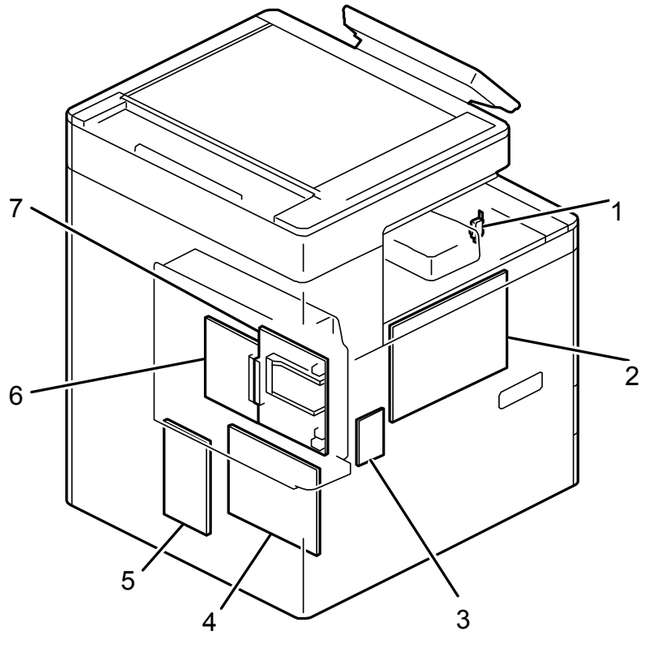
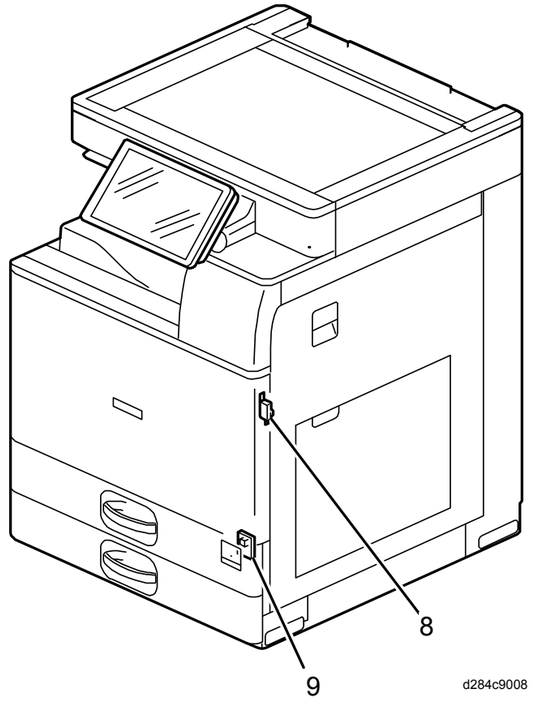


Fig.10



d284c9008

MP2555/3055/3555/4055/5055/6055 ELECTRICAL COMPONENT LAYOUT

Symbol	Index No.	Description	P to P
Motors			
M1	Fig.2-10	1st Paper Feed Tray Lift Motor	B1
M2	Fig.2-12	2nd Paper Feed Tray Lift Motor	D1
M3	Fig.7-5	Reverse Motor	E1
M4	Fig.6-3	Duplex Entrance Motor	F1
M5	Fig.6-5	Duplex/Bypass Motor	G1
M6	Fig.9-2	MP4055/5055/6055: Fusing Motor MP2555/3055/3555: Fusing/Paper Exit Motor	D4
M7	Fig.9-4	Registration Motor	D4
M8	Fig.9-1	Paper Exit Motor (MP4055/5055/6055 Only)	D4
M9	Fig.9-7	Paper Feed Motor	E4
M10	Fig.9-6	Vertical Transport Motor	E4
M11	Fig.7-8	Transfer Roller Contact Motor	A5
M12	Fig.5-1/ Fig.9-3	Drum Motor	B5
M13	Fig.9-5	Development Motor	B5
M14	-	Toner Supply Motor	E5
M15	-	Polygon Mirror Motor	B10
M16	Fig.1-6	Scanner Motor	D10
Switches			
SW1	Fig.2-14	1st Paper Feed Tray Size Switch	B1
SW2	Fig.2-9	1st Paper Feed Tray Set Switch	B1
SW3	Fig.2-15	2nd Paper Feed Tray Size Switch	C1
SW4	Fig.2-11	2nd Paper Feed Tray Set Switch	D1
SW5	Fig.6-4	Duplex Guide Switch	G1
SW6	Fig.6-1	Right Cover Open/Close Switch	C4
SW7	Fig.10-8	Interlock switch (Right Cover)	F4
SW8	Fig.10-1	Interlock switch (Front Cover)	F4
SW9	-	Toner Bottle Detection Switch	B5
SW10	Fig.10-9	Main Power Switch	A10
LEDs			
LED1	-	Transfer Unit Open/Close LED	C4
Fans			
FAN1	-	Fusing Fan 2 (EU MP6055 Only)	E1
FAN2	Fig.8-2	Fusing Fan 1	E4
FAN3	Fig.8-3	Paper Exit Cooling Fan	A5
FAN4	Fig.8-1	Development Bearing Cooling Fan	A5
FAN5	Fig.8-5	Development Exhaust Fan	E8
FAN6	Fig.8-4	PSU Cooling Fan	F8
Boards			
PCB1	Fig.10-4	BCU1	D2
PCB2	Fig.10-4	BCU2	D6
PCB3	Fig.10-5	HVP	A7
PCB4	-	MKB	B7
PCB5	Fig.10-3	DHB	C7
PCB6	Fig.10-2	PSU	D7
PCB7	Fig.10-6	IPU	C9
PCB8	Fig.3-1	LDB	A10
PCB9	Fig.10-7	CTL	C9
PCB10	Fig.1-7	SBU	D10
PCB11	Fig.1-5	LEDB	E10
Others			
OT1	Fig.1-1	Operation Panel Unit	B10

Symbol	Index No.	Description	P to P
Sensors			
S1	Fig.2-3	1st Paper End Sensor	A1
S2	Fig.2-1	1st Paper Feed Sensor	A1
S3	Fig.2-2	1st Vertical Transport Sensor	A1
S4	Fig.2-4	1st Paper Feed Tray Limit Sensor	B1
S5	Fig.2-7	2nd Paper End Sensor	C1
S6	Fig.2-8	2nd Paper Feed Sensor	C1
S7	Fig.2-6	2nd Vertical Transport Sensor	C1
S8	Fig.2-5	2nd Paper Feed Tray Limit Sensor	C1
S9	Fig.7-3	Reverse Sensor	D1
S10	Fig.7-2	Paper Exit Sensor	D1
S11	Fig.7-4	Paper Exit Full Sensor	D1
S12	Fig.4-3	Fusing Exit Sensor	E1
S13	Fig.6-9	Bypass Paper End Sensor	F1
S14	Fig.6-8	Bypass Width Sensor	F1
S15	Fig.6-6	Bypass Length Sensor	F1
S16	Fig.6-2	Duplex Entrance Sensor	F1
S17	Fig.6-10	Duplex Exit Sensor	G1
S18	Fig.4-4	Pressure Roller Thermistor(End)	A4
S19	Fig.4-5	Pressure Roller Thermistor(Center)	A4
S20	Fig.4-7	NC Sensor (End)	A4
S21	Fig.4-6	NC Sensor (Center)	B4
S22	Fig.2-13	Registration Sensor	B4
S23	Fig.7-6	Transfer Unit Open/Close Sensor	B4
S24	-	ID Sensor	C4
S25	Fig.7-7	Fusing Entrance Sensor	C4
S26	Fig.7-8	Transfer Roller Contact Sensor	A5
S27	Fig.5-2	Toner Collection Full Sensor	C5
S28	Fig.3-3	TD Sensor	C5
S29	Fig.7-9	Temperature/Humidity Sensor	C5
S30	Fig.8-6	Temperature Sensor	C5
S31	Fig.1-3	Scanner Home Position Sensor	D10
S32	Fig.1-4	DF Position Sensor	D10
S33	-	Original Size Sensor 1	D10
S34	-	Original Size Sensor 2	D10
Heaters			
H1	-	Anti-condensation Heater (PCU)	C8
H2	Fig.1-2	Anti-condensation Heater (Scanner)	C8
H3	Fig.2-16	Paper Feed Heater	C8
H4	-	Bank Heater	C8
H5	Fig.4-8	Fusing Unit (Fusing Heater/Lamp)	D8
Fuse			
FU1	-	Fusing Unit New Detection Fuse	A4
Lamps			
L1	Fig.3-2	Quenching Lamp	B5
L2	Fig.3-4	PCL (Pre Cleaning Lamp)	C5
Thermostats/Thermistors			
TH1	Fig.4-1	Fusing Thermopile (End)	E5
TH2	Fig.4-2	Fusing Thermopile (Center)	E5
Solenoids			
SOL1	Fig.7-1	Exit Junction Solenoid	D1
SOL2	Fig.6-7	Bypass Pick-up Solenoid	E1
SOL3	-	Recycling Shutter Solenoid	A5

MP/2555/3055/3555/4055/5055/6055 Harness Pin Assignment (Mainframe)

Harness Information				From/To Information							
Part Number	Start	End	Color	From		Pin No.	Logical Signal Name	I/O	To	Signal Name	Note
D2895313 (Mainframe)	CN116 - 1	CN1 - 3	Orange	BCU	CN116	1	EEXCLFN_OUT1	→	Paper Exit Cooling Fan	Paper Exit Cooling Fan: ON	
	〃 - 2	〃 - 2	〃			2	EEXCLFN_LOK	←		Paper Exit Cooling Fan: Lock	
	〃 - 3	〃 - 1	〃			3	GND	G		GND	
	〃 - 4	CN2 - 3	〃			4	NTBCLFN_OUT1	→	Development Bearing Cooling Fan	Development Bearing Cooling Fan: ON	
	〃 - 5	〃 - 2	〃			5	NTBCLFN_LOK	←		Development Bearing Cooling Fan: Lock	
	〃 - 6	〃 - 1	〃			6	GND	G		GND	
	〃 - 7	CN4 - 3	〃			7	GND	G	Transfer Roller Contact Sensor	Transfer Roller Contact Sensor: GND	
	〃 - 8	〃 - 2	〃			8	TTSCASN_SNS	I		Transfer Roller Contact Sensor	
	〃 - 9	〃 - 1	〃			9	+5V_IO	P		Transfer Roller Contact Sensor: +5V	
	CN117 - A1	-	〃		CN117	A1	LWSOCSL_OUT1	→	NC	N.C.	
	〃 - A2	-	〃			A2	LWSOCSL_OUT2	→	NC	N.C.	
	〃 - A3	CN7 - 2	〃			A3	TTSCASN_OUT1	→	Transfer Roller Contact Motor	Transfer Roller Contact Motor: Terminal 1	
	〃 - A4	〃 - 1	〃			A4	TTSCASN_OUT2	→		Transfer Roller Contact Motor: Terminal 2	
	〃 - A5	CN8 - 10	〃			A5	PDR_MT_GA	→	Drum Motor	Drum Motor: SW Gain	
	〃 - A6	〃 - 9	〃			A6	PDR_MT_CLK	→		Drum Motor: Clock	
	〃 - A7	〃 - 8	〃			A7	PDR_MT_BRK_N	→		Drum Motor: Brake	
	〃 - A8	〃 - 7	〃			A8	PDR_MT_CW	→		Drum Motor: CW/CCW	
	〃 - A9	〃 - 6	〃			A9	PDR_MT_STA_N	→		Drum Motor: Start/Stop	
	〃 - A10	〃 - 5	〃			A10	PDR_MT_LOK_N	←		Drum Motor: Lock	
	〃 - A11	〃 - 4	〃			A11	GND	G		Drum Motor: GND	
	〃 - A12	〃 - 3	〃			A12	GND	G		Drum Motor: GND	
	〃 - A13	〃 - 2	〃			A13	+24VS	P		Drum Motor: +24VS	
	〃 - A14	〃 - 1	〃			A14	+24VS	P		Drum Motor: +24VS	
	〃 - B1	CN9 - 10	〃			B1	ODV_MT_GA	→	Development Motor	Development Motor: SW Gain	
	〃 - B2	〃 - 9	〃			B2	ODV_MT_CLK	→		Development Motor: Clock	
	〃 - B3	〃 - 8	〃			B3	ODV_MT_BRK_N	→		Development Motor: Brake	
	〃 - B4	〃 - 7	〃			B4	ODV_MT_CW	→		Development Motor: CW/CCW	
	〃 - B5	〃 - 6	〃			B5	ODV_MT_STA_N	→		Development Motor: Start/Stop	
	〃 - B6	〃 - 5	〃			B6	ODV_MT_LOK_N	←		Development Motor: Lock	
	〃 - B7	〃 - 4	〃			B7	GND	G		Development Motor: GND	
	〃 - B8	〃 - 3	〃			B8	GND	G		Development Motor: GND	
	〃 - B9	〃 - 2	〃			B9	+24VS	P		Development Motor: +24VS	
	〃 - B10	〃 - 1	〃			B10	+24VS	P		Development Motor: +24VS	
	〃 - B11	CN10 - 2	〃			B11	PHRDQLE_LED-K	→	D2025307(Mainframe) (END: Quenching Lamp)	Quenching Lamp: LED CATHODE	from: BCU(CN117) →D2895313(Mainframe) →D2025307(Mainframe) →end to: Quenching Lamp
	〃 - B12	〃 - 1	〃			B12	+24VS	P		Quenching Lamp: LED ANODE	
	〃 - B13	CN3 - 3	-			B13	GND	G	Toner Bottle Detection Switch	Toner Bottle Detection Switch: OUT/2	from: BCU(CN117) →D2895313(Mainframe)→D2023374(Unit) →end to: Electrical Components
	-	〃 - 2								N.C.	
	CN117 - B14	〃 - 1	-			B14	LWBSTSW_SW1	←		Toner Bottle Detection Switch: OUT/1	
	CN118 - 1	CN11 - 6	Orange		CN118	1	GND	G	TD Sensor	GND	
	〃 - 2	〃 - 5	〃			2	NTNODSN_VOUT	←		TD Sensor: Clock IN	from: BCU(CN118) →D2895313(Mainframe) →D2023172(PCU) →end to: TD Sensor
	〃 - 3	〃 - 4	〃			3	+3.3V_ID	P		<TD Sensor>3.3V	
	〃 - 4	〃 - 3	〃			4	NTNODSN_VTCNT	→		<TD Sensor>TD Sensor: SEL	
	〃 - 5	〃 - 2	〃			5	NTNODSN_SDA	⇔		TD Sensor: SDA	
	〃 - 6	〃 - 1	〃			6	NTNODSN_SCL	→		TD Sensor: SCL	
	〃 - 7	CN12 - 4	〃			7	TTS_TH_TH	←	Temperature/Humidity Sensor	Temperature/Humidity Sensor	
	〃 - 8	〃 - 3	〃			8	GND	G		GND	
	〃 - 9	〃 - 2	〃			9	TTS_TH_RHV	←		Temperature/Humidity Sensor	
	〃 - 10	〃 - 1	〃			10	+3.3V	P		+3.3V	
	〃 - 11	CN13 - 2	〃			11	GND	G	Temperature Sensor	GND	
	〃 - 12	〃 - 1	〃			12	MMI_TS_SN+	←		Temperature Sensor	
	〃 - 13	CN5 - 3	〃			13	GND	G	Toner Collection Full Sensor	Toner Collection Full Sensor: GND	from: BCU(CN116)→D2895313(Mainframe) →D2025306(Mainframe) →end to: Electrical Components
	〃 - 14	〃 - 2	〃			14	LWBNFSN_SNS	←		Toner Collection Full Sensor	
	〃 - 15	〃 - 1	〃			15	+5V_IO	P		Toner Collection Full Sensor: +5V	
	CN134 - 1	CN14 - 6	Purple		CN134	1	C1TRVSN_SNS	→	1 Bin Tray	1BIN: Reverse	
	〃 - 2	〃 - 5	〃			2	C1TPQSN_SNS	←		1BIN: Paper Remaining Detection	
	〃 - 3	〃 - 4	〃			3	C1T_SS_SET	←		1BIN: Set Detection	
	〃 - 4	〃 - 3	〃			4	GND	G		GND	
	〃 - 5	〃 - 2	〃			5	+5VE_LPS	P		+5VE_LPS	
	〃 - 6	〃 - 1	〃			6	+5V	P		+5V	
	CN16 - 1	CN15 - 2	〃	1 Bin Tray	CN204	1	CATHODE	←	1 Bin Tray LED	1 Bin Tray LED: CATHODE	
	〃 - 2	〃 - 1	〃			2	ANODE	→		1 Bin Tray LED: ANODE	
	CN139 - 1	CN17 - 10	〃	BCU	CN139	1	GND	G	Bridge Unit / Shift Tray / Paper Exit Tray	GND	
	〃 - 2	〃 - 9	〃			2	+5V	P		+5V	
	〃 - 3	〃 - 8	〃			3	CBU_SS_SET1	←		<Bridge Unit> Option Set Detection: 1 <Shift Tray> Set Detection <Paper Exit Tray> Paper Exit Tray Set Detection: 1	
	〃 - 4	〃 - 7	〃			4	CBUCVSN_SNS	←		<Bridge Unit> Relay Transport Sensor <Shift Tray> HP Sensor <Paper Exit Tray> Paper Exit Sensor	
	〃 - 5	〃 - 6	〃			5	CBUEPSN_SNS	←		<Bridge Unit> Relay Exit Sensor <Paper Exit Tray> Upper Exit Sensor	
	〃 - 6	〃 - 5	〃			6	CBUCVMT_RST	→		<Bridge Unit> Relay Transport Motor: Reset <Shift Tray> Lift Motor: OUT/2 <Paper Exit Tray> Transport Motor: Reset	
	〃 - 7	〃 - 4	〃			7	CBUCVMT_CTL	→		<Bridge Unit> Relay Transport Motor: SW Current <Shift Tray> Lift Motor: OUT/1 <Paper Exit Tray>Transport Motor: SW Current	
	〃 - 8	〃 - 3	〃			8	GND	G		GND	
	〃 - 9	〃 - 2	〃			9	+24V	P		+24V	
	〃 - 10	〃 - 1	-			10	NC	N	NC	NC	
	〃 - 11	-	-			11	NC	N	NC	NC	
	〃 - 12	CN18 - 9	Purple			12	+24V	P	Bridge Unit / Paper Exit Tray	+24V	
	〃 - 13	〃 - 8	〃			13	CBU+5VFU	←		<Bridge Unit> Relay Blown Fuse Detection +5V <Paper Exit Tray> Paper Exit Tray Blown Fuse Detection +5V	
	〃 - 14	〃 - 7	〃			14	CBUCVMT_ENA	→		<Bridge Unit> Relay Transport Motor: Enable <Paper Exit Tray> Transport Motor: Enable	
	〃 - 15	〃 - 6	〃			15	CBU_SS_SET2	←		<Bridge Unit> Option Set Detection: 2 <Paper Exit Tray> Set Detection: 2	
	〃 - 16	〃 - 5	〃			16	CBUDVSL_OUT2	→		<Bridge Unit> Relay JCT SOL: PWM <Paper Exit Tray>Exit JCT SOL: PWM	
	〃 - 17	〃 - 4	〃			17	CBUCVMT_CLK	→		<Bridge Unit> Relay Transport Motor: Clock <Paper Exit Tray> Exit Transport Motor: Clock	
	〃 - 18	〃 - 3	〃			18	CBU+24VFU	←		<Bridge Unit> Relay Blown Fuse Detection +24V <Paper Exit Tray> Paper Exit Tray Blown Fuse Detection +24V	
	〃 - 19	〃 - 2	〃			19	CBTOCSN_SNS	←		<Bridge Unit> Transport Cover O/C Detection <Paper Exit Tray> Exit Cover O/C Detection	
	〃 - 20	〃 - 1	〃			20	CBEOCSN_SNS	←		<Bridge Unit> Relay Exit Cover O/C Detection <Paper Exit Tray> Upper Transport Cover O/C Detection	
	〃 - 21	-	-			21	NC	N	NC	NC	
	〃 - 22	-	-			22	NC	N	NC	NC	
	CN540 - 1	CN19 - 2	Orange	IPU	CN541	1	ACSW_STAT_ON_N (PW_BTN_N)	←	Main Power Switch (DC Switch)	Main Power DC Push SW Status Monitoring	
	〃 - 2	〃 - 1	〃			2	GND	G		GND	
	-	CN20 - 4	-	BCU	CN145	-	NC	N	NC	NC	
	CN145 - 1	〃 - 3	Orange			1	+3.3V	P	Fusing Roller Temperature Sensor (End)	+3.3V	
	〃 - 2	〃 - 2	〃			2	GND	G		GND	
	〃 - 3	〃 - 1	〃			3	FFR_TSEG_SN-O	←		Fusing Roller Temperature Sensor (End)	
	-	CN21 - 4	-			-	-	-	-	-	
	CN145 - 4	〃 - 3	Orange			4	+3.3V	P	Fusing Roller Temperature Sensor (Center)	+3.3V	
	〃 - 5	〃 - 2	〃			5	GND	G		GND	
	〃 - 6	〃 - 1	〃			6	FFR_TSCT_SN-O	←		Fusing Roller Temperature Sensor (Center)	
	CN141 - 1	CN22 - 3	Orange		CN141	1	+24V_LPS	P	PCL (Pre Cleaning Light)	PCL (Pre Cleaning Light): +24V	
	-	〃 - 2	-			-	NC	N		NC	
	CN141 - 2	〃 - 1	Orange			2	MPT_LED_LED1	→		PCL (Pre Cleaning Light): Cathode	

MP/2555/3055/3555/4055/5055/6055 Harness Pin Assignment (Mainframe)

Harness Information				From/To Information						
Part Number	Start	End	Color	From		Pin No.	Logical Signal Name	I/O	To	Signal Name	Note
D2895302 (Mainframe)	CN127 - 1	CN1 - 4	Orange		CN127	1	NTBDRMT_A	→	Toner Supply Motor	Phase A	
	〃 - 2	〃 - 3	〃			2	NTBDRMT_XA	→		Phase XA	
	〃 - 3	〃 - 2	〃			3	NTBDRMT_B	→		Phase B	
	〃 - 4	〃 - 1	〃			4	NTBDRMT_XB	→		Phase XB	
D2895303 (Mainframe)	CN107 - 1	CN528 - 20	Orange		CN107	1	+24VS	P	IPU	24VS	
	〃 - 2	〃 - 19	〃			2	GND	G		GND	
	〃 - 3	〃 - 18	〃			3	GND	G		GND	
	〃 - 4	〃 - 17	〃			4	+24V	P		24V	
	〃 - 5	〃 - 16	〃			5	GND	G		GND	
	〃 - 6	〃 - 15	〃			6	+5VE_LPS	P		5VE_LPS	
	〃 - 7	〃 - 14	〃			7	+5V	P		5V	
	〃 - 8	〃 - 13	〃			8	+5V	P		5V	
	〃 - 9	〃 - 12	〃			9	GND	G		GND	
	〃 - 10	〃 - 11	〃			10	TIMER_UP_N0_I	←		Time: Eg. Off 0	
	〃 - 11	〃 - 10	〃			11	TIMER_UP_N1_I	←		Time: Eg. Off 1	
	〃 - 12	〃 - 9	〃			12	TIMER_UP_N2_I	←		Time: Eg. Off 2	
	〃 - 13	〃 - 8	〃			13	FUKKI_I	←		E.Save Recovery Signal	
	〃 - 14	〃 - 7	〃			14	ENGENABLE_N_I	←		L: Normal Launch H: Rapi Open Wait	
	〃 - 15	〃 - 6	〃			15	PONENG_N_I	←		E. Save Recovery Signal	
	〃 - 16	〃 - 5	〃			16	GAVD_SYCS_N_O	→		GMAC Sync Serial Chip Selection	
	〃 - 17	〃 - 4	〃			17	GMAC_SYCS_N_O	→		GMAC Sync Serial Chip Selection	
	〃 - 18	〃 - 3	〃			18	SYCLK_O	→		GAVD Sync Serial Clock	
	〃 - 19	〃 - 2	〃			19	SYDO_O	→		GAVD Sync Serial TX	
	〃 - 20	〃 - 1	〃			20	SYDI_I	←		GAVD Sync Serial RX	
D2895304 (Mainframe)	CN128 - 1	CN1 - 12	Orange	BCU	CN128	1	PWM_D	→	HVP CN800	HVP/Separation DC/(-): PWM	
	〃 - 2	〃 - 11	〃			2	ERR_D	←		HVP/Separation DC/(-): Fault Detection	
	〃 - 3	〃 - 10	〃			3	FB_T+	←		HVP/Transfer DC/(+): Voltage FB	
	〃 - 4	〃 - 9	〃			4	PWM_T-	→		HVP/Transfer DC/(-): PWM	
	〃 - 5	〃 - 8	〃			5	PWM_T+	→		HVP/Transfer DC/(+): PWM	
	〃 - 6	〃 - 7	〃			6	PWM_B	→		HVP/Development DC/(-): PWM	
	〃 - 7	〃 - 6	〃			7	PWM_C	→		HVP/Charge DC/(-): PWM	
	〃 - 8	〃 - 5	〃			8	ERR_T	←		HVP/Transfer DC/(+)&(-): Fault Detection	
	〃 - 9	〃 - 4	〃			9	ERR_B	←		HVP/Development DC/(-): Fault Detection	
	〃 - 10	〃 - 3	〃			10	ERR_C	←		HVP/Charge DC/(-): Fault Detection	
	〃 - 11	〃 - 2	〃			11	GND	G		GND	
	〃 - 12	〃 - 1	〃			12	+24VS	P		+24VS	
D2895305 (Mainframe)	CN135 - 1	CN1 - 16	Brown	BCU	CN135	1	CBANK_RXD	←	Paper Bank	BANK: UART RXD	
	〃 - 2	〃 - 14	〃			2	CBANK_TXD	→		BANK: UART TXD	
	〃 - 3	〃 - 12	〃			3	GND	G		BANK: GND	
	〃 - 4	〃 - 10	〃			4	GND	G		BANK: GND	
	〃 - 5	〃 - 8	〃			5	+5V	P		BANK: +5V	
	〃 - 6	〃 - 6	〃			6	+5V	P		BANK: +5V	
	〃 - 7	〃 - 4	〃			7	GND	G		BANK: GND	
	〃 - 8	〃 - 3	〃			8	GND	G		BANK: GND	
	〃 - 9	〃 - 5	〃			9	GND	G		BANK: GND	
	〃 - 10	〃 - 7	〃			10	GND	G		BANK: GND	
	〃 - 11	〃 - 9	〃			11	+24V	P		BANK: +24V	
	〃 - 12	〃 - 11	〃			12	+24V	P		BANK: +24V	
	〃 - 13	〃 - 13	〃			13	+24V	P		BANK: +24V	
	〃 - 14	〃 - 15	〃			14	+24V	P		BANK: +24V	
	-	〃 - 1	-			-	NC	N		N.C.	
	-	〃 - 2	-			-	NC	N		N.C.	
	-	〃 - 17	-			-	NC	N		N.C.	
	-	〃 - 18	-			-	NC	N		N.C.	
	-	CN3 - 8	-		CN137	-	-	-	-	-	
	CN137 - 1	〃 - 7	Purple			1	EFIN_RXD	←	Finisher	Finisher: UARTRX	
	-	〃 - 6	-			-	-	-	-	-	
	CN137 - 2	〃 - 5	Purple			2	EFIN_TXD	→	Finisher	Finisher: UARTTX	
	-	〃 - 4	-			-	-	-	-	-	
	-	〃 - 3	-			-	-	-	-	-	
	CN137 - 3	〃 - 2	Purple			3	GND	G	Finisher	GND	
	〃 - 4	〃 - 1	〃			4	GND	G		GND	
	〃 - 5	CN4 - 9	〃			5	GND	G		GND	
	〃 - 6	〃 - 8	〃			6	GND	G		GND	
	〃 - 7	〃 - 7	〃			7	GND	G		GND	
	〃 - 8	〃 - 6	〃			8	GND	G		GND	
	〃 - 9	〃 - 5	〃			9	+24V	P		+24V	
	〃 - 10	〃 - 4	〃			10	+24V	P		+24V	
	〃 - 11	〃 - 3	〃			11	+24V	P		+24V	
	〃 - 12	〃 - 2	〃			12	+24V	P		+24V	
	-	〃 - 1	-			-	-	-	-	-	
D2025306 (Mainframe)	CN5 - 1	CN1 - 3	Purple	D2895313	CN5	1	GND	G	Toner Collection Full Sensor	GND	
	〃 - 2	〃 - 2	〃			2	LWBNFSN_SNS	←		Toner Collection Full Sensor	
	〃 - 3	〃 - 1	〃			3	+5V	P		+5V	
D2025307 (Mainframe)	CN10 - 1	CN1 - 2	Purple	D2895313	CN10	1	PHRDQLE_LED-K	→	Quenching Lamp	Quenching Lamp: OUT	
	〃 - 2	〃 - 1	〃			2	+24VS	P		+24VS	

MP/2555/3055/3555/4055/5055/6055 Harness Pin Assignment (Mainframe)

Harness Information				From/To Information							
Part Number	Start	End	Color	From		Pin No.	Logical Signal Name	I/O	To	Signal Name	Note
D2895320 (MP4055/5055/6055) /D2865320 (MP2555/3055/3555) （Mainframe）	CN114 - 1	CN1 - 10	Orange	BCU	CN114	1	FFU_MT_GA	→	Fusing/Paper Exit Motor	<MP4055/5055/6055>Fusing Motor: SW Gain <MP2555/3055/3555>Paper Exit Motor: SW Gain	
	〃 - 2	〃 - 9	〃			2	FFU_MT_CLK	→		<MP4055/5055/6055>Fusing Motor: Clock <MP2555/3055/3555>Paper Exit Motor: Clock	
	〃 - 3	〃 - 8	〃			3	FFU_MT_BRK_N	→		<MP4055/5055/6055>Fusing Motor: Brake <MP2555/3055/3555>Paper Exit Motor: Brake	
	〃 - 4	〃 - 7	〃			4	FFU_MT_CW	→		<MP4055/5055/6055>Fusing Motor: Rotating Direction <MP2555/3055/3555>Paper Exit Motor: Rotating Direction	
	〃 - 5	〃 - 6	〃			5	FFU_MT_STA_N	→		<MP4055/5055/6055>Fusing Motor: Start <MP2555/3055/3555>Paper Exit Motor: Start	
	〃 - 6	〃 - 5	〃			6	FFU_MT_LOK_N	←		<MP4055/5055/6055>Fusing Motor: Lock <MP2555/3055/3555>Paper Exit Motor: Lock	
	〃 - 7	〃 - 4	〃			7	GND	G		GND	
	〃 - 8	〃 - 3	〃			8	GND	G		GND	
	〃 - 9	〃 - 2	〃			9	+24VS	P		+24VS	
	〃 - 10	〃 - 1	〃			10	+24VS	P		+24VS	
	CN113 - A1	CN2 - 8	〃		CN113	A1	CRG_MT_ENC-A	←	Registration Motor	Registration Motor: Encoder A	
	〃 - A2	〃 - 7	〃			A2	CRG_MT_ENC-B	←		Registration Motor: Encoder B	
	〃 - A3	〃 - 6	〃			A3	+5V	P		+5V	
	〃 - A4	〃 - 5	〃			A4	CRG_MT_CW	→		Registration Motor: Rotating Direction	
	〃 - A5	〃 - 4	〃			A5	CRG_MT_PWM	→		Registration Motor: Clock	
	〃 - A6	〃 - 3	〃			A6	CRG_MT_BRK_N	→		Registration Motor: Brake	
	〃 - A7	〃 - 2	〃			A7	GND	G		GND	
	〃 - A8	〃 - 1	〃			A8	+24VS	P		+24VS	
	〃 - A9	CN6 - 8	〃			A9	EEX_MT_ENC-A	←	Paper Exit Motor	<MP4055/5055/6055>Paper Exit Motor: Encoder A	
	〃 - A10	〃 - 7	〃			A10	EEX_MT_ENC-B	←		<MP4055/5055/6055>Paper Exit Motor: Encoder B	
	〃 - A11	〃 - 6	〃			A11	+5V	P		+5V	
	〃 - A12	〃 - 5	〃			A12	EEX_MT_CW	→		<MP4055/5055/6055>Paper Exit Motor: Rotating Direction	MP4055/5055/6055 models only
	〃 - A13	〃 - 4	〃			A13	EEX_MT_PWM	→		<MP4055/5055/6055>Paper Exit Motor: Clock	
	〃 - A14	〃 - 3	〃			A14	EEX_MT_BRK_N	→		<MP4055/5055/6055>Paper Exit Motor: Brake	
	〃 - A15	〃 - 2	〃			A15	GND	G		GND	
	〃 - A16	〃 - 1	〃			A16	+24VS	P		+24VS	
	〃 - A17	-	-			A17	NC	N	NC	NC	
	〃 - B1	-	-			B1	NC	N	NC	NC	
	〃 - B2	CN3 - 8	Orange			B2	CFDFEMT_ENC-A	←	Paper Feed Motor	Paper Feed Motor: Encoder A	
	〃 - B3	〃 - 7	〃			B3	CFDFEMT_ENC-B	←		Paper Feed Motor: Encoder B	
	〃 - B4	〃 - 6	〃			B4	+5V	P		+5V	
	〃 - B5	〃 - 5	〃			B5	CFDFEMT_CW	→		Paper Feed Motor: Rotating Direction	
	〃 - B6	〃 - 4	〃			B6	CFDFEMT_PWM	→		Paper Feed Motor: Clock	
	〃 - B7	〃 - 3	〃			B7	CFDFEMT_BRK_N	→		Paper Feed Motor: Brake	
	〃 - B8	〃 - 2	〃			B8	GND	G		GND	
	〃 - B9	〃 - 1	〃			B9	+24VS	P		+24VS	
	〃 - B10	CN4 - 8	〃			B10	CFDPFMT_ENC-A	←	Vertical Transport Motor	Vertical Transport Motor: Encoder A	
	〃 - B11	〃 - 7	〃			B11	CFDPFMT_ENC-B	←		Vertical Transport Motor: Encoder B	
	〃 - B12	〃 - 6	〃			B12	+5V	P		+5V	
	〃 - B13	〃 - 5	〃			B13	CFDPFMT_CW	→		Vertical Transport Motor: Rotating Direction	
	〃 - B14	〃 - 4	〃			B14	CFDPFMT_PWM	→		Vertical Transport Motor: Clock	
	〃 - B15	〃 - 3	〃			B15	CFDPFMT_BRK_N	→		Vertical Transport Motor: Brake	
	〃 - B16	〃 - 2	〃			B16	GND	G		GND	
	〃 - B17	〃 - 1	〃			B17	+24VS	P		+24VS	
	CN129 - 1	CN5 - 4	〃		CN129	1	+24V	P	Fusing Fan 1	Fusing Fan 1: +24V	
	〃 - 2	〃 - 3	〃			2	FFUSFFN_LOK	←		Fusing Fan 1: Lock Sensor Signal	
	〃 - 3	〃 - 2	〃			3	GND	G		Fusing Fan 1: GND	
	〃 - 4	〃 - 1	〃			4	FFUSFFN_PWM1	→		Fusing Fan 1: PWM信号	
	〃 - 5	-	-			5	N.C.	N		N.C.	
D2895321 (for 200V & MP4055/5055/6055) /D2865321 (for 200V & MP2555/3055/3555) （Mainframe）	CN110 - 1	CN1 - 14	Purple		CN110	1	+24VS	P	D1492708 （1st Paper Feed Unit） end to: *1st Paper Feed Sensor *1st Paper End Sensor *1st Paper Feed Tray Limit Sensor	+24VS	from: BCU（CN110） ↓ D2895321/D2865321（Mainframe） ↓ D2022708 （1st Paper Feed Unit） ↓ end to: Electrical Components
	〃 - 2	〃 - 13	〃			2	CF1PUSL_OUT2	→		1st Pick-up Solenoid *Japan Only: PWM	
	〃 - 3	〃 - 12	〃			3	GND	G		GND	
	〃 - 4	〃 - 11	〃			4	CF1SN_SNS	←		1st Paper Feed Sensor	
	〃 - 5	〃 - 10	〃			5	+5V	P		+5V	
	〃 - 6	〃 - 9	〃			6	GND	G		GND	
	〃 - 7	〃 - 8	〃			7	CH1SN_SNS	←		1st Vertical Transport Sensor	
	〃 - 8	〃 - 7	〃			8	+5V	P		+5V	
	〃 - 9	〃 - 6	〃			9	GND	G		GND	
	〃 - 10	〃 - 5	〃			10	CT1PESN_SNS	←		1st Paper End Sensor	
	〃 - 11	〃 - 4	〃			11	+5V	P		+5V	
	〃 - 12	〃 - 3	〃			12	GND	G		GND	
	〃 - 13	〃 - 2	〃			13	CT1ULSN_SNS	←		1st Paper Feed Tray Limit Sensor	
	〃 - 14	〃 - 1	〃			14	+5V	P		+5V	
	〃 - 15	-	-			15	NC	N	NC	NC	
	〃 - 16	-	-			16	NC	N	NC	NC	
	〃 - 17	CN2 - 5	Purple			17	CT1SZSW_SW4	←	1st Paper Feed Tray Size Switch	1st Paper Feed Tray Size Switch: 4	
	〃 - 18	〃 - 4	〃			18	GND	G		GND	
	〃 - 19	〃 - 3	〃			19	CT1SZSW_SW3	←		1st Paper Feed Tray Size Switch: 3	
	〃 - 20	〃 - 2	〃			20	CT1SZSW_SW2	←		1st Paper Feed Tray Size Switch: 2	
	〃 - 21	〃 - 1	〃			21	CT1SZSW_SW1	←		1st Paper Feed Tray Size Switch: 1	
	〃 - 22	CN3 - 5	〃			22	CT1UPMT_SW2	←	1st Paper Feed Tray Lift Motor2 (Paper Remaining Sensor)	1st Paper Feed Tray Lift Motor (Paper Remaining Sensor): 2	
	〃 - 23	〃 - 4	〃			23	GND	G	1st Paper Feed Tray Lift Motor (Paper Remaining Sensor)	GND	
	〃 - 24	〃 - 3	〃			24	CT1UPMT_SW1	←	1st Paper Feed Tray Lift Motor1 (Paper Remaining Sensor)	1st Paper Feed Tray Lift Motor (Paper Remaining Sensor): 1	
	〃 - 25	〃 - 2	〃			25	CT1UPMT_OUT2	→	1st Paper Feed Tray Lift Motor	1st Paper Feed Tray Lift Motor: OUT/2	
	〃 - 26	〃 - 1	〃			26	CT1UPMT_OUT1	→		1st Paper Feed Tray Lift Motor: OUT/1	
	〃 - 27	CN4 - 2	〃			27	GND	G	1st Paper Feed Tray Set Switch	GND	
	〃 - 28	〃 - 1	〃			28	CT1STSW_SW1	←		1st Paper Feed Tray Set Switch	
	CN111 - 1	CN5 - 14	Purple		CN111	1	+24VS	P	D1492708 （2nd Paper Feed Unit） end to: *2nd Paper Feed Sensor *2nd Paper End Sensor *2nd Paper Feed Tray Limit Sensor	+24VS	from: BCU（CN111） ↓ D2895321/D2865321（Mainframe） ↓ D2022708 （2nd Paper Feed Unit） ↓ end to: Electrical Components
	〃 - 2	〃 - 13	〃			2	CF2PUSL_OUT2	→		2nd Pick-up Solenoid *Japan Only: PWM	
	〃 - 3	〃 - 12	〃			3	GND	G		GND	
	〃 - 4	〃 - 11	〃			4	CF2SN_SNS	←		2nd Paper Feed Sensor	
	〃 - 5	〃 - 10	〃			5	+5V	P		+5V	
	〃 - 6	〃 - 9	〃			6	GND	G		GND	
	〃 - 7	〃 - 8	〃			7	CH2SN_SNS	←		2nd Vertical Transport Sensor	
	〃 - 8	〃 - 7	〃			8	+5V	P		+5V	
	〃 - 9	〃 - 6	〃			9	GND	G		GND	
	〃 - 10	〃 - 5	〃			10	CT2PESN_SNS	←		2nd Paper End Sensor	
	〃 - 11	〃 - 4	〃			11	+5V	P		+5V	
	〃 - 12	〃 - 3	〃			12	GND	G		GND	
	〃 - 13	〃 - 2	〃			13	CT2ULSN_SNS	←		2nd Paper Feed Tray Limit Sensor	
	〃 - 14	〃 - 1	〃			14	+5V	P		+5V	
	〃 - 15	-	-			15	NC	N	NC	NC	
	〃 - 16	-	-			16	NC	N	NC	NC	
	〃 - 17	-	-			17	NC	N	NC	NC	
	〃 - 18	-	-			18	NC	N	NC	NC	
	〃 - 19	CN6 - 5	Purple			19	CT2SZSW_SW4	←	2nd Paper Feed Tray Size Switch	2nd Paper Feed Tray Size Switch: 4	
	〃 - 20	〃 - 4	〃			20	GND	G		GND	
	〃 - 21	〃 - 3	〃			21	CT2SZSW_SW3	←		2nd Paper Feed Tray Size Switch: 3	
	〃 - 22	〃 - 2	〃			22	CT2SZSW_SW2	←		2nd Paper Feed Tray Size Switch: 2	
	〃 - 23	〃 - 1	〃			23	CT2SZSW_SW1	←		2nd Paper Feed Tray Size Switch: 1	
	〃 - 24	CN7 - 5	〃			24	CT2UPMT_SW2	←	2nd Paper Feed Tray Lift Motor 2 (Paper Remaining Sensor)	2nd Paper Feed Tray Lift Motor (Paper Remaining Sensor): 2	
	〃 - 25	〃 - 4	〃			25	GND	G	2nd Paper Feed Tray Lift Motor (Paper Remaining Sensor)	GND	
	〃 - 26	〃 - 3	〃			26	CT2UPMT_SW1	←	2nd Paper Feed Tray Lift Motor 1 (Paper Remaining Sensor)	2nd Paper Feed Tray Lift Motor (Paper Remaining Sensor): 1	
	〃 - 27	〃 - 2	〃			27	CT2UPMT_OUT2	→	2nd Paper Feed Tray Lift Motor	2nd Paper Feed Tray Lift Motor: OUT/2	
	〃 - 28	〃 - 1	〃			28	CT2UPMT_OUT1	→		2nd Paper Feed Tray Lift Motor: OUT/1	
	〃 - 29	CN8 - 2	〃			29	GND	G	2nd Paper Feed Tray Set Switch	GND	
	〃 - 30	〃 - 1	〃			30	CT2STSW_SW1	←		2nd Paper Feed Tray Set Switch	

MP/2555/3055/3555/4055/5055/6055 Harness Pin Assignment (Mainframe)

Harness Information				From/To Information							
Part Number	Start	End	Color	From		Pin No.	Logical Signal Name	I/O	To	Signal Name	Note
D2895321 (for 200V & MP4055/5055/6055) /D2865321 (for 200V & MP2555/3055/3555) (Mainframe)	CN124 - 1	CN9 - 18	Orange	BCU	CN124	1	+24VS	P	D2024499 (Paper Exit Unit)	+24VS	from: BCU(CN124、CN125) ↓ D2895321/D2865321(Mainframe) ↓ D2024499(Paper Exit) ↓ end to: Electrical Components
	〃 - 2	〃 - 17	〃			2	EEXDVSL_OUT2	→		Paper Exit Switching Solenoid: PWM	
	〃 - 3	〃 - 16	〃			3	GND	G		GND	
	〃 - 4	〃 - 15	〃			4	RRV_SN_SNS	←	end to: *Paper Exit Switching Solenoid *Reverse Sensor *Paper Exit Sensor *Paper Exit Full Sensor *Fusing Exit Sensor *Reverse Motor	Reverse Sensor	
	〃 - 5	〃 - 14	〃			5	+5V	P		+5V	
	〃 - 6	〃 - 13	〃			6	GND	G		GND	
	〃 - 7	〃 - 12	〃			7	EEX_SN_SNS	←		Paper Exit Sensor	
	〃 - 8	〃 - 11	〃			8	+5V	P		+5V	
	〃 - 9	〃 - 10	〃			9	GND	G		GND	
	〃 - 10	〃 - 9	〃			10	EEXFLSN_SNS	←		Paper Exit Full Sensor	
	〃 - 11	〃 - 8	〃			11	+5V	P		+5V	
	〃 - 12	〃 - 7	〃			12	GND	G		GND	
	〃 - 13	〃 - 6	〃			13	FFUOUSN_SNS	←		Fusing Exit Sensor	
	〃 - 14	〃 - 5	〃			14	+5V	P		+5V	
	CN125 - 1	〃 - 4	〃		CN125	1	RRV_MT_XB	→		Phase XB	
	〃 - 2	〃 - 3	〃			2	RRV_MT_B	→		Phase B	
	〃 - 3	〃 - 2	〃			3	RRV_MT_XA	→		Phase XA	
	〃 - 4	〃 - 1	〃			4	RRV_MT_A	→		Phase A	
	CN115 - A1	CN10 - 8	Orange		CN115	A1	FFR_TSFR_SN-C	←	Fusing Roller Temperature Sensor (End)	Fusing Roller Temperature Sensor (End): Compensation	
	〃 - A2	〃 - 7	〃			A2	FFR_TSFR_SN-D	←		Fusing Roller Temperature Sensor (End): Detection	
	〃 - A3	〃 - 6	〃			A3	GND	G		GND	
	〃 - A4	〃 - 5	〃			A4	FFR_TSBC_SN-C	←	Fusing Roller Temperature Sensor (Center)	Fusing Roller Temperature Sensor (Center): Compensation	
	〃 - A5	〃 - 4	〃			A5	FFR_TSBC_SN-D	←		Fusing Roller Temperature Sensor (Center): Detection	
	〃 - A6	〃 - 3	〃			A6	GND	G		GND	
	〃 - A7	〃 - 2	〃			A7	FFUNWFU_IN	→	Fusing Unit New Detection Fuse	Fusing Unit New Detection Fuse: Trigger	
	〃 - A8	〃 - 1	〃			A8	GND	G		GND For FUSE	
	〃 - A9	CN11 - 9	〃			A9	FPR_TSFR_SN+	←	Pressure Roller Temperature Sensor (End)	Pressure Roller Temperature Sensor (End)	
	〃 - A10	〃 - 8	〃			A10	GND	G		GND	
	〃 - A11	〃 - 7	〃			A11	FPR_TSBC_SN+	←	Pressure Roller Temperature Sensor (Center)	Pressure Roller Temperature Sensor (Center)	
	〃 - A12	〃 - 6	〃			A12	GND	G		GND	
	〃 - A13	〃 - 5	〃			A13	FFU_SS_DOM	←	Set Detection Mechanism	Set Detection Mechanism: Japan	
	〃 - A14	〃 - 4	〃			A14	FFU_SS_NA	←		Set Detection Mechanism: NA/TWN	
	〃 - A15	〃 - 3	〃			A15	FFU_SS_EU	←		Set Detection Mechanism: EU	
	〃 - A16	〃 - 2	Orange			A16	GND	G		<MP2555/3055/3555>GND for Set Detection	D2895321(200V & MP4055/5055/6055): NC
	〃 - A17	〃 - 1	Orange			A17	GND	G		<MP4055/5055/6055>GND for Set Detection	D2865321(200V & MP2555/3055/3555): NC
	〃 - A18	-	-			A18	NC	N	NC	NC	
	〃 - A19	-	-			A19	NC	N		NC	
	CN115 - B1	CN12 - 3	Orange			B1	GND	G	D2022556(Registration) end to: Registration Sensor	GND	from: BCU(CN115)→D2895321/D2865321(Mainframe)→D2022556(Registration)→ end to: Registration Sensor
	〃 - B2	〃 - 2	〃			B2	CRG_SN_SNS	←		Registration Sensor	
	〃 - B3	〃 - 1	〃			B3	+5V	P		Power: +5V	
	〃 - B4	CN13 - 3	〃			B4	GND	G	Transfer Unit Open/Close Sensor	GND	
	〃 - B5	〃 - 2	〃			B5	TTSOCSN_SNS	←		Transfer Unit Open/Close Sensor	
	〃 - B6	〃 - 1	〃			B6	+5V	P		+5V	
	〃 - B7	CN14 - 2	〃			B7	GND	G	Right Cover Open/Close Switch	GND	
	〃 - B8	〃 - 1	〃			B8	MRDOCSW_SW1	←		Right Cover Open/Close Switch	
	〃 - B9	CN17 - 2	-			B9					
	〃 - B10	〃 - 1	-			B10					
	〃 - B11	CN16 - 9	Orange			B11	PDRPNSN_V-C	←	D2026237 (Transfer Unit) end to: *ID Sensor *Transfer Unit Open/Close LED *Fusing Entrance Sensor	ID Sensor	from: BCU(CN115) ↓ D2895321/D2865321(Mainframe) ↓ D2026237(Transfer Unit) ↓ end to: Electrical Components
	〃 - B12	〃 - 8	〃			B12	PDRPNSN_L-C	→		ID Sensor: PWM	
	〃 - B13	〃 - 7	〃			B13	GND	G		GND	
	〃 - B14	〃 - 6	〃			B14	+3.3V	P		+3.3V	
	〃 - B15	〃 - 5	〃			B15	TTSOCLE_LED-K	→		Transfer Unit Open/Close LED: OUT	
	〃 - B16	〃 - 4	〃			B16	+5V	P		+5V	
	〃 - B17	〃 - 3	〃			B17	GND	G		GND	
	〃 - B18	〃 - 2	〃			B18	FFUINSN_SNS	←		Fusing Entrance Sensor	
	〃 - B19	〃 - 1	〃			B19	+5V	P		+5V	
D2895322 (for 200V & MP4055/5055/6055) /D2865322 (for 200V & MP2555/3055/3555) (Mainframe)	CN911 - 1	CN542 - 5	Yellow	PSU	CN911	1	+5VX	P	IPU CN542-5	+5VX	
	〃 - 2	〃 - 4	〃			2	+5VX	P	IPU CN542-4	+5VX	
	〃 - 3	〃 - 3	〃			3	+5V	P	IPU CN542-3	+5V	
	〃 - 4	〃 - 2	Black			4	GND	G	IPU CN542-2	GND	
	〃 - 5	〃 - 1	〃			5	GND	G	IPU CN542-1	GND	
	CN912 - 1	CN544 - 1	Black		CN912	1	GND	G	IPU CN544-1	IPU: GND	
	〃 - 2	CN119 - 1	〃			2	GND	G	BCU CN119-1	BCU: GND	
	〃 - 3	〃 - 2	〃			3	GND	G	BCU CN119-2	BCU: GND	
	〃 - 4	CN544 - 2	Orange			4	+24V	P	IPU CN544-2	IPU: 24V	
	〃 - 5	CN119 - 3	〃			5	+24V	P	BCU CN119-3	BCU: 24V	
	〃 - 6	〃 - 4	〃			6	+24V	P	BCU CN119-4	BCU: 24V	
	CN913 - 1	CN2 - 2	Orange		CN913	1	JIGU-24V	P	Relay Tool	Relay Tool: ＋	
	〃 - 2	〃 - 1	〃			2	JIGU-TRG	←		Relay Tool: －	
	〃 - 3	CN120 - 10	〃			3	+24VS	P	BCU CN120-10	+24V Interlock: Power	
	〃 - 4	〃 - 9	〃			4	GND	G	BCU CN120-9	GND	
	〃 - 5	〃 - 8	〃			5	PSU_ZERX1_N	→	BCU CN120-8	Zero-Cross Signal 1	
	〃 - 6	〃 - 7	〃			6	PONENG_N	←	BCU CN120-7	Energy Save Signal	
	〃 - 7	〃 - 6	〃			7	PSU_HTRY1_P	←	BCU CN120-6	Fusing Relay Trigger 1	
	〃 - 8	〃 - 5	〃			8	TRG_HT1	←	BCU CN120-5	Fusing Heater 1 Trigger	
	〃 - 9	〃 - 4	〃			9	TRG_HT2	←	BCU CN120-4	Fusing Heater 2 Trigger	
	〃 - 10	-	-			10	TRG_HT3	N	NC	N.C	
	〃 - 11	CN120 - 3	Orange			11	PSU_HTRY2_P	←	BCU CN120-3	Fusing Relay Trigger 2 (DH)	
	〃 - 12	〃 - 2	〃			12	ACV	→	BCU CN120-2	AC Input Voltage Detection (DH)	
	〃 - 13	〃 - 1	〃			13	PSU_ZERX2_N	→	BCU CN120-1	Zero-Cross Signal 2 (DH)	
	CN1 - 3	CN130 - 1	〃	BCU	CN130	1	MHDEFFN_OUT1	→	Development Exhaust Fan	Development Exhaust Fan: ON	
	〃 - 2	〃 - 2	〃			2	MHDEFFN_LOK	←		Development Exhaust Fan: Lock	
	〃 - 1	〃 - 3	〃			3	GND	G		GND	
	CN4 - 3	〃 - 4	〃			4	QPSCLFN_OUT1	→	PSU Cooling Fan	PSU Cooling Fan: ON	
	〃 - 2	〃 - 5	〃			5	QPSCLFN_LOK	←		PSU Cooling Fan: Lock	MP4055/5055/6055 Only
	〃 - 1	〃 - 6	〃			6	GND	G		GND	
	CN3 - 3	〃 - 7	〃			7	QCTCLFN_OUT1	→	Development Bearing Cooling Fan (Front)/Odor Fan	Development Bearing Cooling Fan (Front)/Odor Fan: ON	
	〃 - 2	〃 - 8	〃			8	QCTCLFN_LOK	←		Development Bearing Cooling Fan (Front)/Odor Fan: Lock	
	〃 - 1	〃 - 9	〃			9	GND	G		GND	

MP/2555/3055/3555/4055/5055/6055 Harness Pin Assignment (Mainframe)

Harness Information				From/To Information							
Part Number	Start	End	Color	From		Pin No.	Logical Signal Name	I/O	To	Signal Name	Note
D2895340 (Mainframe)	CN122 - 1	CN1 - 2	Orange	BCU	CN122	1	+24VS	P	Interlock Switch	Interlock Switch	BCU - Interlock Switch
	CN1 - 1	CN2 - 2	〃			-	-	-	-	-	Interlock Switch - Interlock Switch
	CN2 - 1	CN122 - 2	〃			2	+24VL	P	Interlock Switch	+24V	BCU - Interlock Switch
D2025351 (Mainframe)	T3	T7	Red	HVP	T	1	HVP: T	→	Transfer Roller	Transfer	DC High Voltage
	T1	T5	〃		C	1	HVP: C	→	Charge Roller	Charge	
	T2	T6	〃		B	1	HVP: B	→	Development Roller	Development	
	T4	T8	〃		D	1	HVP: D	→	Separation	Separation	
D2025362 (Mainframe)	CN902 - 1	CN1 - 1	White	PSU	CN902	1	HT2-N	P	Fusing Unit (Fusing Heater/Lamp)	Fusing Heater/Lamp: Sub: N	
	〃 - 2	〃 - 2	〃			2	HT1-N	P		Fusing Heater/Lamp: Main: N	
	〃 - 3	〃 - 3	Black			3	HT1,2-L	P		Fusing Heater/Lamp: L	
D2895374 (Mainframe)	CN1 - 1	CN2 - 50	FFC	BCU	CN106	1	FFC_IPU	→	IPU	FFC Connection Detection	
	〃 - 2	〃 - 49				2	CIS_DET_N	←		ADF Set Detection	
	〃 - 3	〃 - 48				3	IPU_WAKE	←		IPU Launch Detection	
	〃 - 4	〃 - 47				4	ADF_RXD_I	←		ADF RXD	
	〃 - 5	〃 - 46				5	ADF_TXD_O	→		ADF TXD	
	〃 - 6	〃 - 45				6	M2P_RST_N	→		Memory to plotter: Reset	
	〃 - 7	〃 - 44				7	IPU_INT_N	←		IPU Interrupt	
	〃 - 8	〃 - 43				8	IPU_RD_N	→		IPU Read	
	〃 - 9	〃 - 42				9	IPU_WR_N	→		IPU Write	
	〃 - 10	〃 - 41				10	IPU_D(0)	B		IPU Data Bus 0	
	〃 - 11	〃 - 40				11	IPU_D(1)	B		IPU Data Bus 1	
	〃 - 12	〃 - 39				12	IPU_D(2)	B		IPU Data Bus 2	
	〃 - 13	〃 - 38				13	IPU_D(3)	B		IPU Data Bus 3	
	〃 - 14	〃 - 37				14	IPU_D(4)	B		IPU Data Bus 4	
	〃 - 15	〃 - 36				15	IPU_D(5)	B		IPU Data Bus 5	
	〃 - 16	〃 - 35				16	IPU_D(6)	B		IPU Data Bus 6	
	〃 - 17	〃 - 34				17	IPU_D(7)	B		IPU Data Bus 7	
	〃 - 18	〃 - 33				18	GND	G		GND	
	〃 - 19	〃 - 32				19	IPU_D(8)	B		IPU Data Bus 8	
	〃 - 20	〃 - 31				20	IPU_D(9)	B		IPU Data Bus 9	
	〃 - 21	〃 - 30				21	IPU_D(10)	B		IPU Data Bus 10	
	〃 - 22	〃 - 29				22	IPU_D(11)	B		IPU Data Bus 11	
	〃 - 23	〃 - 28				23	IPU_D(12)	B		IPU Data Bus 12	
	〃 - 24	〃 - 27				24	IPU_D(13)	B		IPU Data Bus 13	
	〃 - 25	〃 - 26				25	IPU_D(14)	B		IPU Data Bus 14	
	〃 - 26	〃 - 25				26	IPU_D(15)	B		IPU Data Bus 15	
	〃 - 27	〃 - 24				27	GND	G		GND	
	〃 - 28	〃 - 23				28	IPU_A(1)	→		IPU Address Bus 1	
	〃 - 29	〃 - 22				29	IPU_A(2)	→		IPU Address Bus 2	
	〃 - 30	〃 - 21				30	IPU_A(3)	→		IPU Address Bus 3	
	〃 - 31	〃 - 20				31	IPU_A(4)	→		IPU Address Bus 4	
	〃 - 32	〃 - 19				32	IPU_A(5)	→		IPU Address Bus 5	
	〃 - 33	〃 - 18				33	IPU_A(6)	→		IIPU Address Bus 6	
	〃 - 34	〃 - 17				34	IPU_A(7)	→		IPU Address Bus 7	
	〃 - 35	〃 - 16				35	IPU_A(8)	→		IPU Address Bus 8	
	〃 - 36	〃 - 15				36	IPU_A(9)	→		IPU Address Bus 9	
	〃 - 37	〃 - 14				37	GND	G		GND	
	〃 - 38	〃 - 13				38	IPU_A(10)	→		IPU Address Bus 10	
	〃 - 39	〃 - 12				39	IPU_A(11)	→		IPU Address Bus 11	
	〃 - 40	〃 - 11				40	IPU_A(12)	→		IPU Address Bus 12	
	〃 - 41	〃 - 10				41	IPU_A(13)	→		IPU Address Bus 13	
	〃 - 42	〃 - 9				42	IPU_A(14)	→		IPU Address Bus 14	
	〃 - 43	〃 - 8				43	IPU_A(15)	→		IPU Address Bus 15	
	〃 - 44	〃 - 7				44	IPU_A(16)	→		IPU Address Bus 16	
	〃 - 45	〃 - 6				45	IPU_A(17)	→		IPU Address Bus 17	
	〃 - 46	〃 - 5				46	IPU_A(18)	→		IPU Address Bus 18	
	〃 - 47	〃 - 4				47	GND	G		GND	
	〃 - 48	〃 - 3				48	IPU_CS_N_O	→		MACARON Chip Selection	
	〃 - 49	〃 - 2				49	GND	G		GND	
	〃 - 50	〃 - 1				50	FB_FFC_IPU	←		FFC Connection Detection	
D2025385 (Mainframe)	INLET_L	T900	Black	PSU	T900	1	AC-IN/L	P	Power Cord	AC Input: L	
	INLET_N	T901	White		T901	1	AC-IN/N	P		AC Input: N	
	INLET_E	T1	Green/Yellow	Earth					Body	Ground	
D2025396 (Mainframe)	CN121 - 1	CN930 - 3	Orange	BCU	CN121	1	+24V	P	DHB	+24V	
	〃 - 2	〃 - 2	〃			2	PSU_HURY_P	→		Dehumidifier Relay: PWM	
	〃 - 3	〃 - 1	〃			3	GND	G		GND	
D2025397 (Mainframe)	CN904 - 1	CN920 - 3	White	PSU	CN904	1	AC-OUT/N	P	DHB	AC Relay: N	
	〃 - 2	〃 - 2	-			2	NC	N		N.C	
	〃 - 3	〃 - 1	White			3	AC-OUT/L	P		AC Relay: L	
D2025398 (Mainframe)	CN921 - 1	CN1 - 2	White	DHB	CN921	1	AC_N_DEHUHT3	P	Paper Feed Heater	Paper Feed Heater: N	
	〃 - 2	CN2 - 2	〃			2	AC_N_DEHUHT4	P	Paper Bank Heater	Paper Bank Heater: N	
	〃 - 3	-	-			3	NC	N	NC	N.C	
	〃 - 4	CN1 - 1	White			4	AC_L_DEHUHT3	P	Paper Feed Heater	Paper Feed Heater: L	
	〃 - 5	CN2 - 1	〃			5	AC_L_DEHUHT4	P	Paper Bank Heater	Paper Bank Heater: L	
D2025399 (Mainframe)	CN922 - 1	CN1 - 2	Blue	DHB	CN922	1	AC_N_DEHUHT1	P	Anti-condensation Heater (Scanner)	Anti-condensation Heater (Scanner): N	
	〃 - 2	CN2 - 2	〃			2	AC_N_DEHUHT2	P	Anti-condensation Heater (PCU)	Anti-condensation Heater (PCU): N	
	〃 - 3	CN1 - 1	〃			3	AC_L_DEHUHT1	P	Anti-condensation Heater (Scanner)	Anti-condensation Heater (Scanner): L	
	〃 - 4	CN2 - 1	〃			4	AC_L_DEHUHT2	P	Anti-condensation Heater (PCU)	Anti-condensation Heater (PCU): L	

MP/2555/3055/3555/4055/5055/6055 Harness Pin Assignment (Mainframe)

Harness Information					From/To Information							
Part Number	Start		End		Color	From		Pin No.	Logical Signal Name	I/O	To	Signal Name	Note
D2024695 (Duplex Unit)	CN123	A1	CN1	8	Yellow	BCU	CN123	A1	RDPINMT_ENC-A	←	Duplex Entrance Motor	Duplex Entrance Motor: Encoder A	
	〃	A2	〃	7	〃			A2	RDPINMT_ENC-B	←		Duplex Entrance Motor: Encoder B	
	〃	A3	〃	6	〃			A3	+5V	P		+5V	
	〃	A4	〃	5	〃			A4	RDPINMT_CW	→		Duplex Entrance Motor: Rotating Direction	
	〃	A5	〃	4	〃			A5	RDPINMT_PWM	→		Duplex Entrance Motor: Clock	
	〃	A6	〃	3	〃			A6	RDPINMT_BRK_N	→		Duplex Entrance Motor: Brake	
	〃	A7	〃	2	〃			A7	GND	G		GND	
	〃	A8	〃	1	〃			A8	+24VS	P		+24VS	
	〃	A9	CN2	3	〃			A9	GND	G	D2024695 (Duplex Unit) end to: Duplex Entrance Sensor	GND	from: BCU（CN123）→D2024695（Duplex Unit）→D2024672（Duplex Unit）→end to: Electrical Components
	〃	A10	〃	2	〃			A10	RDPINSN_SNS	←		Duplex Entrance Sensor	
	〃	A11	〃	1	〃			A11	+5V	P		+5V	
	〃	A12		-	-			A12	NC	N	NC	NC	
	〃	A13		-	-			A13	NC	N	NC	NC	
	〃	B1	CN3	8	Yellow			B1	HDP_MT_ENC-A	←	Duplex/Bypass Motor	Duplex/By-pass Motor: Encoder A	
	〃	B2	〃	7	〃			B2	HDP_MT_ENC-B	←		Duplex/By-pass Motor: Encoder B	
	〃	B3	〃	6	〃			B3	+5V	P		+5V	
	〃	B4	〃	5	〃			B4	HDP_MT_CW	→		Duplex/By-pass Motor: Rotating Direction	
	〃	B5	〃	4	〃			B5	HDP_MT_PWM	→		Duplex/By-pass Motor: Clock	
	〃	B6	〃	3	〃			B6	HDP_MT_BRK_N	→		Duplex/By-pass Motor: Brake	
	〃	B7	〃	2	〃			B7	GND	G		GND	
	〃	B8	〃	1	〃			B8	+24VS	P		+24VS	
	〃	B9	CN4	3	〃			B9	GND	G	Duplex Exit Sensor	GND	
	〃	B10	〃	2	〃			B10	RDPOUSN_SNS	←		Duplex Exit Sensor	
	〃	B11	〃	1	〃			B11	+5V	P		+5V	
	〃	B12	CN5	2	〃			B12	GND	G	Duplex Guide Switch	GND	
	〃	B13	〃	1	〃			B13	RGPOCSN_SW1	←		Duplex Guide Switch	
	CN112	1	CN6	5	〃		CN112	1	+24VS	P	D2022643 (Bypass Unit) end to: *Bypass Pick-up Solenoid *Bypass Paper End Sensor	+24VS	from: BCU（CN112）→D2024695（Duplex Unit）→D2022643（Bypass Unit）→end to: Electrical Components
	〃	2	〃	4	〃			2	HHDPUSL_OUT2	→		Bypass Pick-up Solenoid: PWM	
	〃	3	〃	3	〃			3	GND	G		GND	
	〃	4	〃	2	〃			4	HHDPESN_SNS	←		Bypass Paper End Sensor	
	〃	5	〃	1	〃			5	+5V	P		+5V	
	〃	6	CN7	8	〃			6	HHDMLSW_SW2	←	D2022645 (Bypass Unit) end to: *Bypass Length Sensor *Bypass Width Sensor (SW)	Bypass Length Sensor: 2	from: BCU（CN112）↓D2024695（Duplex Unit）↓D2022645（Bypass Unit）↓end to: Electrical Components
	〃	7	〃	7	〃			7	HHDMLSW_SW1	←		Bypass Length Sensor: 1	
	〃	8	〃	6	〃			8	GND	G		GND	
	〃	9	〃	5	〃			9	HHDMLSW_SW4	←		Bypass Length Sensor: 4	
	〃	10	〃	4	〃			10	HHDMLSW_SW3	←		Bypass Length Sensor: 3	
	〃	11	〃	3	〃			11	GND	G		GND	
	〃	12	〃	2	〃			12	HHDSLSN_SNS	←		Bypass Width Sensor (SW)	
	〃	13	〃	1	〃			13	+5V	P		+5V	
D2022643 (Bypass Unit)	CN1	1	CN6	3	Purple	D2024695 (Duplex Unit)	CN6	5	+24VS	P	Bypass Pickup Solenoid	+24VS	
		-	〃	2	-			-	NC	N		NC	from: BCU（CN112）→D2024695（Duplex Unit）→D2022643（Bypass Unit）→end to: Electrical Components
	CN1	2	〃	1	Purple			4	HHDPUSL_OUT2	→		Bypass Pickup Solenoid: PWM	
	〃	3	〃	3	〃			3	GND	G	Bypass Paper End Sensor	GND	
	〃	4	〃	2	〃			2	HHDPESN_SNS	←		Bypass Paper End Sensor	
	〃	5	CN7	1	〃			1	+5V	P		+5V	
D2022645（Bypass Unit）	CN1	1	CN6	5	Purple	D2024695 (Duplex Unit)	CN7	8	HHDMLSW_SW2	←	Bypass Width Sensor (Bypass Width Switch)	Bypass Width Sensor (Bypass Width Switch) 2	from: BCU（CN112）↓D2024695（Duplex Unit）↓D2022645（Bypass Unit）↓end to: Electrical Components
	〃	2	〃	4	〃			7	HHDMLSW_SW1	←		Bypass Width Sensor (Bypass Width Switch) 1	
	〃	3	〃	3	〃			6	GND	G		GND	
	〃	4	〃	2	〃			5	HHDMLSW_SW4	←		Bypass Width Sensor (Bypass Width Switch) 4	
	〃	5	〃	1	〃			4	HHDMLSW_SW3	←		Bypass Width Sensor (Bypass Width Switch) 3	
	〃	6	CN7	3	〃			3	GND	G	Bypass Length Sensor	GND	
	〃	7		2	〃			2	HHDSLSN_SNS	←		Bypass Length Sensor	
	〃	8		1	〃			1	+5V	P		+5V	
	T1		T2		〃		-	-	Earth	-	Earth	Earth	
	T2		T4		〃		-	-	Earth	-	Earth	Earth	
D2024672（Duplex Unit）	CN1	1	CN2	3	Yellow	D2024695 (Duplex Unit)	CN2	3	GND	G	D2024695 (Duplex Unit) end to: Duplex Entrance Sensor	GND	from: BCU（CN123）→D2024695（Duplex Unit）→D2024672（Duplex Unit）→end to: Electrical Components
	〃	2	〃	2	〃			2	RDPINSN_SNS	←		Duplex Entrance Sensor	
	〃	3	〃	1	〃			1	+5V	P		+5V	
D2022708 (1st/2nd Paper Feed Unit)	CN1	1	CN6	2	Purple	D2895321/D2865321 (Mainframe)	CN1（1st Paper Feed Unit） CN5（2nd Paper Feed Unit）	1	+24VS	P	D1492708 (1st/2nd Paper Feed Unit) end to: *1st/2nd Paper Feed Sensor *1st/2nd Paper End Sensor *1st/2nd Paper Feed Tray Limit Sensor	NC	
	〃	2	〃	1	〃			2	CF1PUSL_OUT2	→		NC	
	〃	3	CN2	3	〃			3	GND	G		GND	
	〃	4	〃	2	〃			4	CF1SN_SNS	←		1st/2nd Paper Feed Sensor	
	〃	5	〃	1	〃			5	+5V	P		+5V	from: BCU（CN110/111）↓D2895321/D2865321（Mainframe）↓D2022708（1st/2nd Paper Feed Unit）↓end to: Electrical Components
	〃	6	CN3	3	〃			6	GND	G		GND	
	〃	7	〃	2	〃			7	CH1SN_SNS	←		1st/2nd Vertical Transport Sensor	
	〃	8	〃	1	〃			8	+5V	P		+5V	
	〃	9	CN4	3	〃			9	GND	G		GND	
	〃	10	〃	2	〃			10	CT1PESN_SNS	←		1st/2nd Paper End Sensor	
	〃	11	〃	1	〃			11	+5V	P		+5V	
	〃	12	CN5	3	〃			12	GND	G		GND	
	〃	13	〃	2	〃			13	CT1ULSN_SNS	←		1st/2nd Paper Feed Tray Limit Sensor	
	〃	14	〃	1	〃			14	+5V	P		+5V	
D2024499 (Paper Exit Unit)	CN1	1	CN2	2	Yellow	D2895321/D2865321 (Mainframe)	CN9	1	+24VS	P	Paper Exit Switching Solenoid	+24VS	
	〃	2	〃	1	〃			2	EEXDVSL_OUT2	→		Paper Exit Switching Solenoid: PWM	
	〃	3	CN3	3	〃			3	GND	G	Reverse Sensor	GND	
	〃	4	〃	2	〃			4	RRV_SN_SNS	←		Reverse Sensor	
	〃	5	〃	1	〃			5	+5V	P		+5V	
	〃	6	CN4	3	〃			6	GND	G	Paper Exit Sensor	GND	
	〃	7	〃	2	〃			7	EEX_SN_SNS	←		Paper Exit Sensor	
	〃	8	〃	1	〃			8	+5V	P		+5V	from: BCU（CN124、CN125）↓D2895321/D2865321（Mainframe）↓D2024499（Paper Exit Unit）↓end to: Electrical Components
	〃	9	CN5	3	〃			9	GND	G	Paper Exit Full Sensor	GND	
	〃	10	〃	2	〃			10	EEXFLSN_SNS	←		Paper Exit Full Sensor	
	〃	11	〃	1	〃			11	+5V	P		+5V	
	〃	12	CN7	3	〃			12	GND	G	Fusing Exit Sensor	GND	
	〃	13	〃	2	〃			13	FFUOUSN_SNS	←		Fusing Exit Sensor	
	〃	14	〃	1	〃			14	+5V	P		+5V	
	〃	15	CN6	4	〃			15	RRV_MT_XB	→	Reverse Motor	Phase XB	
	〃	16	〃	3	〃			16	RRV_MT_B	→		Phase B	
	〃	17	〃	2	〃			17	RRV_MT_XA	→		Phase XA	
	〃	18	〃	1	〃			18	RRV_MT_A	→		Phase A	
D2022556 (Registration)	CN1	1	CN2	3	Purple	D2895321/D2865321 (Mainframe)	CN12	1	GND	G	D2022556（Registration） end to: Registration Sensor	GND	from: BCU（CN115）→D2895321/D2865321（Mainframe）→D2022556（Registration）→ end to: Registration Sensor
	〃	2	〃	2	〃			2	CRG_SN_SNS	←		Registration Sensor	
	〃	3	〃	1	〃			3	+5V	P		Power: +5V	
D2026237 (Transfer Unit)	CN1	1	CN2	4	Purple	D2895321/D2865321 (Mainframe)	CN16	1	PDRPNSN_V-C	←	ID Sensor	ID Sensor	
	〃	2	〃	3	〃			2	PDRPNSN_L-C	→		ID Sensor: PWM	
	〃	3	〃	2	〃			3	GND	G		GND	
	〃	4	CN3	1	〃			4	+3.3V	P		+3.3V	from: BCU（CN115）↓D2895321/D2865321（Mainframe）↓D2026237（Transfer Unit）↓end to: Electrical Components
	〃	5	〃	2	〃			5	TTSOCLE_LED-K	→	Transfer Unit Open/Close LED	Transfer Unit Open/Close LED: OUT	
	〃	6	〃	1	〃			6	+5V	P		+5V	
	〃	7	CN4	3	〃			7	GND	G	Fusing Entrance Sensor	GND	
	〃	8	〃	2	〃			8	FFUINSN_SNS	←		Fusing Entrance Sensor	
	〃	9	〃	1	〃			9	+5V	P		+5V	
D2023172 (PCU)	CN16	1	CN1	6	Purple	D2895313 (Mainframe)	CN11	1	GND	G	TD Sensor	GND	from: BCU（CN118）↓D2895313（Mainframe）↓D2023172（PCU）↓end to: TD Sensor
	〃	2	〃	5	〃			2	NTNODSN_VOUT	←		TD Sensor: Clock IN	
	〃	3	〃	4	〃			3	+3.3V_ID	P		<TD Sensor>3.3V <HST Sensor>5V	
	〃	4	〃	3	〃			4	NTNODSN_VTCNT	→		<TD Sensor>TD Sensor: SEL <HST Sensor>HST Sensor: PWM	
	〃	5	〃	2	〃			5	NTNODSN_SDA	⇔		TD Sensor/HST Sensor: SDA	
	〃	6	〃	1	〃			6	NTNODSN_SCL	→		TD Sensor/HST Sensor: SCL	

MP2555/3055/3555/4055/5055/6055 Harness Pin Assignment (Scanner-related Part)

Harness Information				From/To Information							
Part Number	Start	End	Color	From		Pin No.	Logical Single Name	I/O	To	Signal Name	Note
D2895200	CN300 - 1	CN530 - 50	-	SBU	CN300	1	SYDI_SBU	→	IPU	SBUSync Serial RX	
	〃 - 2	〃 - 49	-			2	GND	G		GND	
	〃 - 3	〃 - 48	-			3	F_TA-	→		LVDS Output Data A-	
	〃 - 4	〃 - 47	-			4	F_TA+	→		LVDS Output Data A+	
	〃 - 5	〃 - 46	-			5	GND	→		GND	
	〃 - 6	〃 - 45	-			6	F_TB-	→		LVDS Output Data B-	
	〃 - 7	〃 - 44	-			7	F_TB+	→		LVDS Output Data B+	
	〃 - 8	〃 - 43	-			8	GND	G		GND	
	〃 - 9	〃 - 42	-			9	F_TC-	→		LVDS Output Data C-	
	〃 - 10	〃 - 41	-			10	F_TC+	→		LVDS Output Data C+	
	〃 - 11	〃 - 40	-			11	GND	G		GND	
	〃 - 12	〃 - 39	-			12	F_LVCK-	→		LVDS Transfer Clock-	
	〃 - 13	〃 - 38	-			13	F_LVCK+	→		LVDS Transfer Clock+	
	〃 - 14	〃 - 37	-			14	GND	G		GND	
	〃 - 15	〃 - 36	-			15	F_TD-	→		LVDS Output Data D-	
	〃 - 16	〃 - 35	-			16	F_TD+	→		LVDS Output Data D+	
	〃 - 17	〃 - 34	-			17	GND	G		GND	
	〃 - 18	〃 - 33	-			18	F_TE-	→		LVDS Output Data E-	
	〃 - 19	〃 - 32	-			19	F_TE+	→		LVDS Output Data E+	
	〃 - 20	〃 - 31	-			20	GND	G		GND	
	〃 - 21	〃 - 30	-			21	GND	G		GND	
	〃 - 22	〃 - 29	-			22	GND	G		GND	
	〃 - 23	〃 - 28	-			23	GND	G		GND	
	〃 - 24	〃 - 27	-			24	GND	G		GND	
	〃 - 25	〃 - 26	-			25	4.5VS	P		4.5V	
	〃 - 26	〃 - 25	-			26	4.5VS	P		4.5V	
	〃 - 27	〃 - 24	-			27	4.5VS	P		4.5V	
	〃 - 28	〃 - 23	-			28	GND	G		GND	
	〃 - 29	〃 - 22	-			29	10VS	P		10V	
	〃 - 30	〃 - 21	-			30	10VS	P		10V	
	〃 - 31	〃 - 20	-			31	GND	G		GND	
	〃 - 32	〃 - 19	-			32	6VS	P		6V	
	〃 - 33	〃 - 18	-			33	6VS	P		6V	
	〃 - 34	〃 - 17	-			34	6VS	P		6V	
	〃 - 35	〃 - 16	-			35	GND	G		GND	
	〃 - 36	〃 - 15	-			36	GND	G		GND	
	〃 - 37	〃 - 14	-			37	GND	G		GND	
	〃 - 38	〃 - 13	-			38	24V_DC	P		24V	
	〃 - 39	〃 - 12	-			39	24V_DC	P		24V	
	〃 - 40	〃 - 11	-			40	24V_DC	P		24V	
	〃 - 41	〃 - 10	-			41	GND	G		GND	
	〃 - 42	〃 - 9	-			42	LED_ON_N	←		LED Light-up Signal	
	〃 - 43	〃 - 8	-			43	LED_CTL_N	←		Light-up Area CTL	
	〃 - 44	〃 - 7	-			44	GND	G		GND	
	〃 - 45	〃 - 6	-			45	SFGATE_SBU_N	←		Original Sub-scanning Area Signal	
	〃 - 46	〃 - 5	-			46	SHGATE_SBU_N	←		White Board Area Signal	
	〃 - 47	〃 - 4	-			47	GND	G		GND	
	〃 - 48	〃 - 3	-			48	SYCLK_SBU	←		SBUSync SerialClock	
	〃 - 49	〃 - 2	-			49	SYDO_SBU	←		SBUSync Serial TX	
	〃 - 50	〃 - 1	-			50	SYCS_SBU_N	←		SBUSync SerialCS	
D2895202	CN318 - 1	CN1 - 3	Orange	IPU	CN318	1	GND	G	Scanner HP Sensor	GND	
	〃 - 2	〃 - 2	〃			2	HPS_SNES	←		Home Position Signal	H: Detects home position
	〃 - 3	〃 - 1	〃			3	+5.9V	P		+5.9V	
	〃 - 4	CN2 - 3	〃			4	GND	G	DF Position Sensor	GND	
	〃 - 5	〃 - 2	〃			5	XAKS	←		DF Position Sensor	L: Open; H: Close
	〃 - 6	〃 - 1	〃			6	5VE_AKS	P		5VE	Power Source for Sensor
D2895204	CN314 - 1	CN1 - 3	White	IPU	CN314	1	B	→	Scanner Motor	Phase B	
	-	〃 - 2	-				-				
	CN314 - 2	〃 - 1	White			2	B/	→		B/ Phase	
	CN314 - 3	〃 - 6	White			3	A/	→		A/ Phase	
	-	〃 - 5	-				-				
	CN314 - 4	〃 - 4	White			4	A	→		Phase A	
D2895203	CN313 - 1	CN1 - 3	Orange	IPU	CN313	1	GND	G	Original Size Sensor 1	GND	
	〃 - 2	〃 - 2	〃			2	APS1_V	←		Original Size Sensor 1	H: Detects Original
	〃 - 3	〃 - 1	〃			3	3.3V_APS	P		3.3V	
	〃 - 4	CN2 - 3	〃			4	GND	G	Original Size Sensor 2	GND	
	〃 - 5	〃 - 2	〃			5	APS2_V	←		Original Size Sensor 2	H: Detects Original
	〃 - 6	〃 - 1	〃			6	3.3V_APS	←		3.3V	
	〃 - 7	-	-			7	GND	P		GND	
D2895205	CN312 - 1	CN100 - 16	-	IPU	CN312	1	GND_ADF	G	ADF	GND	
	〃 - 2	〃 - 15	-			2	GND_ADF	G	(COOK-B or SINAI-E)	GND	
	〃 - 3	〃 - 14	-			3	GND_ADF	G		GND	
	〃 - 4	〃 - 13	-			4	GND_ADF	G		GND	
	〃 - 5	〃 - 12	-			5	24V_ADF	P		24V Power	
	〃 - 6	〃 - 11	-			6	24V_ADF	P		24V Power	
	〃 - 7	〃 - 10	-			7	24V_ADF	P		24V Power	
	〃 - 8	〃 - 9	-			8	24V_ADF	P		24V Power	
	〃 - 9	〃 - 8	-			9	5VE_DOC	P		5VE Power	Power Source for Sensor
	〃 - 10	〃 - 7	-			10	ADF_TXD	→		ADF - Mainframe UART TX	Mainframe→ADF
	〃 - 11	〃 - 6	-			11	XDOCSET	←		ADF Original Set Detection	L: Detects Original
	〃 - 12	〃 - 5	-			12	ADF_RXD	←		ADF - Mainframe UART RX	Mainframe←ADF
	〃 - 13	〃 - 4	-			13	DFGATE_N	←		ADF Gate Signal	L: Scanning
	〃 - 14	〃 - 3	-			14	5V_ADF	P		5V Power	
	〃 - 15	〃 - 2	-			15	GND_ADF	G		GND	
	〃 - 16	〃 - 1	-			16	ADF_POW_ON__N	→		ADF Power ON Signal	
D2415207	CN350 - 1	CN100 - 13	-	SBU	CN350	1	LED_1	←	LEDB	LED1 - 5 Drive	
	〃 - 2	〃 - 12	-			2	LED_2	←		LED6 - 10 Drive	
	〃 - 3	〃 - 11	-			3	LED_3	←		LED11 - 15 Drive	
	〃 - 4	〃 - 10	-			4	LED_4	←		LED16 - 20 Drive	
	〃 - 5	〃 - 9	-			5	LED_5	←		LED21 - 25 Drive	
	〃 - 6	〃 - 8	-			6	LED_6	←		LED26 - 30 Drive	
	〃 - 7	〃 - 7	-			7	LED_7	←		LED31 - 35 Drive	
	〃 - 8	〃 - 6	-			8	LED_8	←		LED36 - 40 Drive	
	〃 - 9	〃 - 5	-			9	LED_9	←		LED41 - 45 Drive	
	〃 - 10	〃 - 4	-			10	LED_10	←		LED46 - 50 Drive	
	〃 - 11	〃 - 3	-			11	-	-		Prevention from crash by slanted parts (22k Pull-down Registor on the SBU side)	
	〃 - 12	〃 - 2	-			12	V_LED	P		LED Drive Power	
	〃 - 13	〃 - 1	-			13	V_LED	P		LED Drive Power	

MP2555/3055/3555/4055/5055/6055 Harness Pin Assignment (Laser-related Part)

Harness Information				From/To Information							
Part Number	Start	End	Color	From		Pin No.	Logical Signal Name	I/O	To	Signal Name	Note
D2025230	CN2 - 1	CN1 - 5	Purple	IPU	CN2	1	24V	P	Polygon Mirror Motor	24V	
	〃 - 2	〃 - 4	〃			2	GND	G		GND	
	〃 - 3	〃 - 3	〃			3	PMON_N	→		Polygon Mirror Motor On Signal	
	〃 - 4	〃 - 2	〃			4	PMRDY_N	←		Polygon Mirror Motor Ready Signal	
	〃 - 5	〃 - 1	〃			5	PMCLK	→		Polygon Mirror Motor Clock	
D1995232	CN538 - 1			IPU	CN538	1			LDB		
	〃 - 2	CN401 - 10	Purple			2	GND	G		GND	
	〃 - 3	〃 - 9	〃			3	DETP_N	←		Sync Detection Signal	
	〃 - 4	〃 - 8	〃			4	SYDO	←		Serial Communication Read Data	
	〃 - 5	〃 - 7	〃			5	SYDI	→		Serial Communication Write Data	
	〃 - 6	〃 - 6	〃			6	SYCLK	→		Serial Communication Clock	
	〃 - 7	〃 - 5	〃			7	SYCS_N	→		Serial Communication Chip Selection	
	〃 - 8	〃 - 4	〃			8	DROPEN	←		Door Open Signal	
	〃 - 9	〃 - 3	〃			9	ERR_N	←		G-MAC Error Signal	
	〃 - 10	〃 - 2	〃			10	APC_N	→		APC Signal	
	〃 - 11	〃 - 1	〃			11	5VS	P		5VS	
	〃 - 12					12					
	CN540 - 1				CN540	1					
	〃 - 2					2					
	〃 - 3	CN402 - 2	Purple			3	LDD1_N	→		LD Light-up Data Signal (-)	
	〃 - 4	〃 - 1	White			4	LDD1	→		LD Light-up Data Signal (+)	
	CN2 - 1	CN536 - 5	Yellow		CN2	1	PMCLK	→	Polygon Mirror Motor	Polygon Mirror Motor Clock	
	〃 2	〃 - 4	〃			2	PMRDY_N	←		Polygon Mirror Motor Ready Signal	
	〃 3	〃 - 3	〃			3	PMON_N	→		Polygon Mirror Motor ON Signal	
	〃 4	〃 - 2	〃			4	GND	G		GND	
	〃 5	〃 - 1	〃			5	24V	P		24V	
D2025232	CN538 - 1	CN401 12	Purple	IPU	CN538	1	GND	G	LDB	GND	
	〃 - 2	〃 - 11	〃			2	GND	G		GND	
	〃 - 3	〃 - 10	〃			3	DETP_N	←		Sync Detection Signal	
	〃 - 4	〃 - 9	〃			4	SYDO	←		Serial Communication Read Data	
	〃 - 5	〃 - 8	〃			5	SYDI	→		Serial Communication Write Data	
	〃 - 6	〃 - 7	〃			6	SYCLK	→		Serial Communication Clock	
	〃 - 7	〃 - 6	〃			7	SYCS_N	→		Serial Communication Chip Selection	
	〃 - 8	〃 - 5	〃			8	DROPEN	←		Door Open Signal	
	〃 - 9	〃 - 4	〃			9	ERR_N	←		G-MAC Error Signal	
	〃 - 10	〃 - 3	〃			10	APC_N	→		APC Signal	
	〃 - 11	〃 - 2	〃			11	5VS	P		5VS	
	〃 - 12	〃 - 1	〃			12	5VS	P		5VS	
	CN540 - 1	CN402 - 4	Purple		CN540	1	LDD2_N	→		LD Light-up Signal Beam 2(-)	
	〃 - 2	〃 - 3	White			2	LDD2	→		LD Light-up Signal Beam 2(+)	
	〃 - 3	〃 - 2	Purple			3	LDD1_N	→		LD Light-up Signal Beam 1(-)	
	〃 - 4	〃 - 1	White			4	LDD1	→		LD Light-up Signal Beam 1(+)	
	CN2 - 1	CN536 - 5	Yellow		CN2	1	PMCLK	→	Polygon Mirror Motor	Polygon Mirror Motor Clock	
	〃 2	〃 - 4	〃			2	PMRDY_N	←		Polygon Mirror Motor Ready Signal	
	〃 3	〃 - 3	〃			3	PMON_N	→		Polygon Mirror Motor ON Signal	
	〃 4	〃 - 2	〃			4	GND	G		GND	
	〃 5	〃 - 1	〃			5	24V	P		24V	

MP2555/3055/3555/4055/5055/6055 Harness Pin Assignment (Operation Panel)

Harness Information				From/To Information							
Part Number	Start	End	Color	From		Pin No.	Logical Signal Name	I/O	To	Signal Name	Note
D2891481	CN1 - 1	CN2 - 1	Black	IPU	CN533	1	VBUS	P	Multi-Link Panel (in house)	VBUS	
	〃 - 2	〃 - 2	〃			2	OPE_USB_M	I/O		OPE_USB_M	
	〃 - 3	〃 - 3	〃			3	OPE_USB_P	I/O		OPE_USB_P	
	〃 - 4	〃 - 4	〃			4	MUL_TRG_N	I/O		MUL_TRG_N	
	〃 - 5	〃 - 5	〃			5	GND	G		GND	
	〃 - 6	〃 - 6	〃			6	VBY_SUB_M	I/O		VBY_SUB_M	
	〃 - 7	〃 - 7	〃			7	VBY_SUB_P	I/O		VBY_SUB_P	
	〃 - 8	〃 - 8	〃			8	GND Drain	G		GND Drain	
	〃 - 9	〃 - 9	〃			9	VBY_TX_M	→		VBY_TX_M	
	〃 - 10	〃 - 10	〃			10	VBY_TX_P	→		VBY_TX_P	
D2951561	CN502 - 9	CN1 - 1	Purple	CTL	CN502	1	5VX	P	Panel Mounting Connector	5VX	
	〃 - 8	〃 - 2	〃			2	5VX	P		5VX	
	〃 - 7	〃 - 3	〃			3	5VX	P		5VX	
	〃 - 6	〃 - 4	〃			4	SC672ERR1	→		SC672ERR1	
	〃 - 5	〃 - 5	〃			5	SC672_DET	←		SC672_DET	
	〃 - 4	〃 - 6	〃			6	SC_EN_N	→		SC_EN_N	
	〃 - 3	〃 - 7	〃			7	GND	G		GND	
	〃 - 2	〃 - 8	〃			8	GND	G		GND	
	〃 - 1	〃 - 9	〃			9	GND	G		GND	
D2951562	CN2 - 9	CN1 - 1	Purple	Panel Mounting Connector	CN2	1	5VX	P	Relay Connector	5VX	
	〃 - 8	〃 - 2	〃			2	5VX	P		5VX	
	〃 - 7	〃 - 3	〃			3	5VX	P		5VX	
	〃 - 6	〃 - 4	〃			4	SC672ERR1	→		SC672ERR1	
	〃 - 5	〃 - 5	〃			5	SC672_DET	←		SC672_DET	
	〃 - 4	〃 - 6	〃			6	SC_EN_N	→		SC_EN_N	
	〃 - 3	〃 - 7	〃			7	GND	G		GND	
	〃 - 2	〃 - 8	〃			8	GND	G		GND	
	〃 - 1	〃 - 9	〃			9	GND	G		GND	
D2951563	CN2 - 9	CN1 - 1	Black	Relay Connector	CN2	1	5VX	P	Multi-Link Panel (in house)	5VX	
	〃 - 8	〃 - 2	〃			2	5VX	P		5VX	
	〃 - 7	〃 - 3	〃			3	5VX	P		5VX	
	〃 - 6	〃 - 4	〃			4	SC672ERR1	→		SC672ERR1	
	〃 - 5	〃 - 5	〃			5	SC672_DET	←		SC672_DET	
	〃 - 4	〃 - 6	〃			6	SC_EN_N	→		SC_EN_N	
	〃 - 3	〃 - 7	〃			7	GND	G		GND	
	〃 - 2	〃 - 8	〃			8	GND	G		GND	
	〃 - 1	〃 - 9	〃			9	GND	G		GND	

D3B0 POINT TO POINT DIAGRAM

PCB D3B05100

Left-side sensors

- Original Width Sensor 5 — S1 — CN304 (CT 3P)
- Original Width Sensor 4 — S2 — CN303 (CT 3P)
- Original Width Sensor 3 — S3 — CN302 (CT 3P)
- Original Width Sensor 2 — S4 — CN301 (CT 3P)
- Original Width Sensor 1 — S5 — CN300 (CT 3P)
- Skew Correction Sensor — S6 — CN307 (CT 3P)
- Seperation Sensor — S7 — CN308 (CT 3P)
- Pick-up Roller HP Sensor — S8 — CN305 (CT 3P)
- Bottom Plate Position Sensor — S9 — CN306 (CT 3P)
- Interval Sensor — S10 — CN311 (CT 3P)
- Exit Sensor — S11 — CN309 (CT 3P)
- Registration Sensor — S12 — CN310 (CT 3P)

Pick-Up Motor

M1 — CN506 (CT 4P)

ADF Transport Motor

M2 — CN504 (CZ 8P)

Connectors on PCB

Connector	Type	Signals
CN100	miniCT 16P	GND, Original Width Sensor 5, 5V, GND, Original Width Sensor 4, 5V, GND, Original Width Sensor 3, 5V, GND, Original Width Sensor 2, 5V, GND, Original Width Sensor 1, 5V, N.C.
CN111	miniCT 4P	Pick-up M_A, Pick-up M_-A, Pick-up M_B, Pick-up M_-B
CN108	CZ 8P	Transport M_ENCA, TransportM_ENCB, 5V, TransportM_CW_CCW, Transport M_PWM, Transport M_BRAKE_N, GND, 24V_SW
CN103	miniCT 15P	GND, Skew CorrectionSN, 5V, GND, Separation SN, 5V, GND, Pick-up `HPSN, 5V, GND, Bottom Plate Position SN, 5V, GND(N.C.), (N.C.), 5V(N.C.)
CN102	miniCT 12P	GND, Interval SN, 5V, GND, Exit SN, 5V, GND, Registration SN, 5V, GND(N.C.), N.C., 5V(N.C.)
CN115	miniCT 19P	12V, 12V, GND, GND, GND, GND, GND, 5V_CIS, 5V_CIS, 5V_CIS, 5V_CIS, GND, SYDI, SYDO, SYCLK, XSYCS, GND, XSSCAN, XSLEAD
CN116	miniCT 16P	PWR_CNTL, GND, 5V_DFIN, DFGATE, RXD, SETSN, TXD, 5VE, 24V, 24V, 24V, 24V, GND, GND, GND, GND
CN105	miniCT 3P	GND, APS SN, 5V
CN104	miniCT 9P	GND, Original Length SN(LG), 5V, GND, Original Length SN(A4), 5V, GND, Original Length SN(B5), 5V
CN101	miniCT 13P	GND(N.C.), (N.C.), 5V(N.C.), GND, Bottom Plate HP SN, 5V, GND, Original Set SN, 5VE, GND, Original Length Sensor (LT/A4)SN, 5V, N.C.
CN106	CZ 17P	FeedM_ENCA, FeedM_ENCB, 5V, FeedM_CW_CCW, FeedM_PWM, FeedM_BRAKE_N, GND, 24V_SW, Pull-outM_ENCA, Pull-outM_ENCB, 5V, Pull-outM_CW_CCW, Pull-outM_PWM, Pull-outM_BRAKE_N, GND, 24V_SW, N.C.
CN107	CZ 16P	Transport M_ENCA, TransportM_ENCB, 5V, TransportM_CW_CCW, TransportM_PWM, TransportM_BRAKE_N, GND, 24V_SW, ExitM_ENCA, ExitM_ENCB, 5V, ExitM_CW_CCW, ExitM_PWM, ExitM_BRAKE_N, GND, 24V_SW
CN110	CT 2P	DC-, DC+
CN120	VH 3P	INTR_SW1_OUT, INTR_SW1_RET, GND(N.C.)
CN121	VH 2P	INTR_SW2_OUT, INTR_SW2_RET
CN113	miniCT 2P	STMP, STMP_24V
CN123	CT 4P	5V, VODKA_DEBUG_RXD, VODKA_DEBUG_TXD, GND
CN128	CZ 7P	FLASH_HOLD, GND, FLASH_CLK, FLASH_DI, FLASH_DO, GND, FLASH_CS
CN127	CT 3P	FAN2_24V, LOCK DETECT2, GND
CN112	CT 3P	FAN1_24V, LOCK DETECT1, GND

Right-side sensors

- S13 — APS Sensor — CN315 (CT 3P)
- S14 — Original Length Sensor (LG) — CN312 (CT 3P)
- S15 — Original Length Sensor (A4) — CN313 (CT 3P)
- S16 — Original Length Sensor (B5) — CN314 (CT 3P)
- S17 — Bottom Plate HP Sensor — CN317 (CT 3P)
- S18 — Original Set Sensor — CN316 (CT 3P)
- S19 — Original Length Sensor (LT/A4) — CN318 (CT 3P)

Motors

- M3 — ADF Feed Motor — CN500 (CZ 8P)
- M4 — Pull-out Motor — CN501 (CZ 8P)
- M5 — Transport Motor — CN503 (CZ 8P)
- M6 — ADF Exit Motor — CN502 (CZ 8P)
- M7 — Bottom Plate Motot — CN505 (CT 5P)

Switches

- SW1 — ADF Feed Cover Interlock Switch — CN70 (PS 2P)
- SW2 — DF Position Switch — CN70 (PS 2P)

Main Machine

- CN2 (miniCT 15P × 2)

1	GND	1	
2	GND	8	
3	E_SDD+	20	
4	E_SDD−	19	
5	ESCLK+	24	
6	ESCLK−	25	
7	E_SDB+	28	
8	E_SDB−	29	
9	O_SDC+	9	
10	O_SDC−	10	
11	O_SDE+	13	
12	O_SDE−	14	
13	O_SDA+	4	
14	O_SDA−	5	
15	GND	15	
16	GND	16	
17	O_SDB−	7	
18	O_SDB+	6	
19	OSCLK−	3	
20	OSCLK+	2	
21	O_SDD−	12	
22	O_SDD+	11	
23	GND	23	
24	GND	30	
25	E_SDA−	27	
26	E_SDA+	26	
27	E_SDE−	17	
28	E_SDE+	18	
29	E_SDC−	21	
30	E_SDC+	22	

CIS

S20 — D3B05862

- CN1 (miniCT 15P × 2 / miniCT 19P)

	GND	19	12V
	GND	18	12V
	E_SDD+	17	GND
	E_SDD−	16	GND
	ESCLK+	15	GND
	ESCLK−	14	GND
	E_SDB+	13	GND
	E_SDB−	12	5V_CIS
	O_SDC+	11	5V_CIS
	O_SDC−	10	5V_CIS
	O_SDE+	9	5V_CIS
	O_SDE−	8	GND
	O_SDA+	7	SYDI
	O_SDA−	6	SYDO
	GND	5	SYCLK
	GND	4	XSYCS
	O_SDB−	3	GND
	O_SDB+	2	XSSCAN
	OSCLK−	1	XSLEAD
	OSCLK+		
	O_SDD−		
	O_SDD+		
	GND		
	GND		
	E_SDA−		
	E_SDA+		
	E_SDE−		
	E_SDE+		
	E_SDC−		
	E_SDC+		

Main Machine

- CN101 (miniCT 16P)

16	PWR_CNTL	1	
15	GND	2	
14	5V_DFIN	3	
13	DFGATE	4	
12	RXD	5	
11	SETSN	6	
10	TXD	7	
9	5VE	8	
8	24V	9	
7	24V	10	
6	24V	11	
5	24V	12	
4	GND	13	
3	GND	14	
2	GND	15	
1	GND	16	

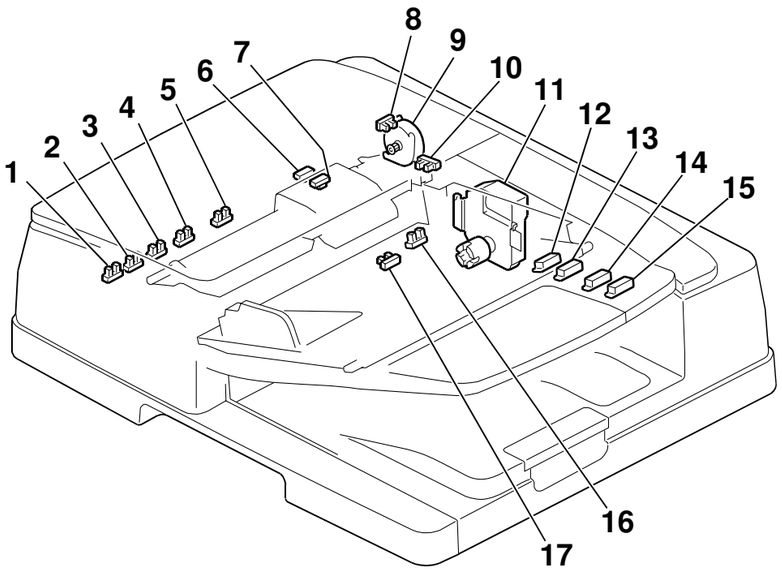
Jumpers

- D6835730: CN207 (CT 7P) / JCN203 / CN203 (CT 7P) — N.C., GND(Relay), Skew Correction SN(Relay), 5V(Relay), GND(Relay), Separation SN(Relay), 5V(Relay)
- D6835740: CN209 (CT 6P) / JCN202 / CN202 (CT 6P) — GND(Relay), ExitSN(Relay), 5V(Relay), GND(Relay), RegistrationSN(Relay), 5V(Relay)
- T1, T2

Harnesses

D3B05660, D3B05640, D3B05620, D6835700, D6835710, D6835720, D6835750, D6835760, D3B05770, D6835680, D6835690

D3B0 ELECTRICAL COMPONENT LAYOUT



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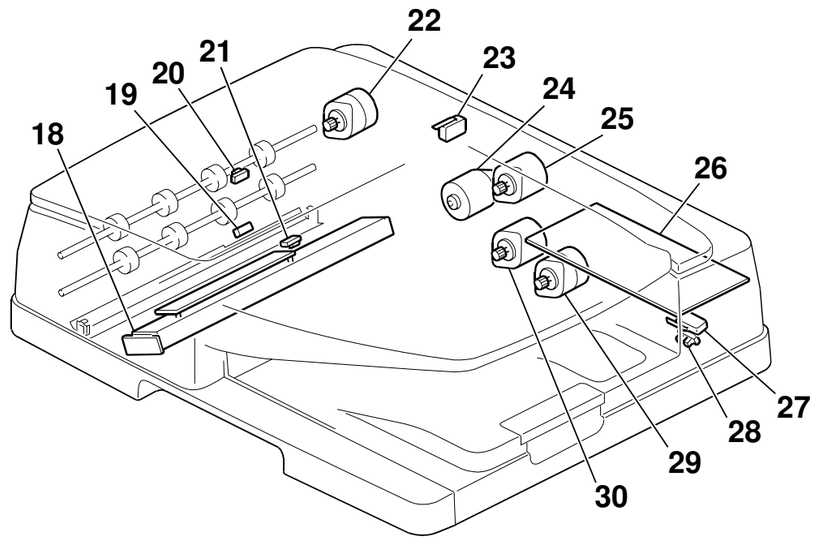
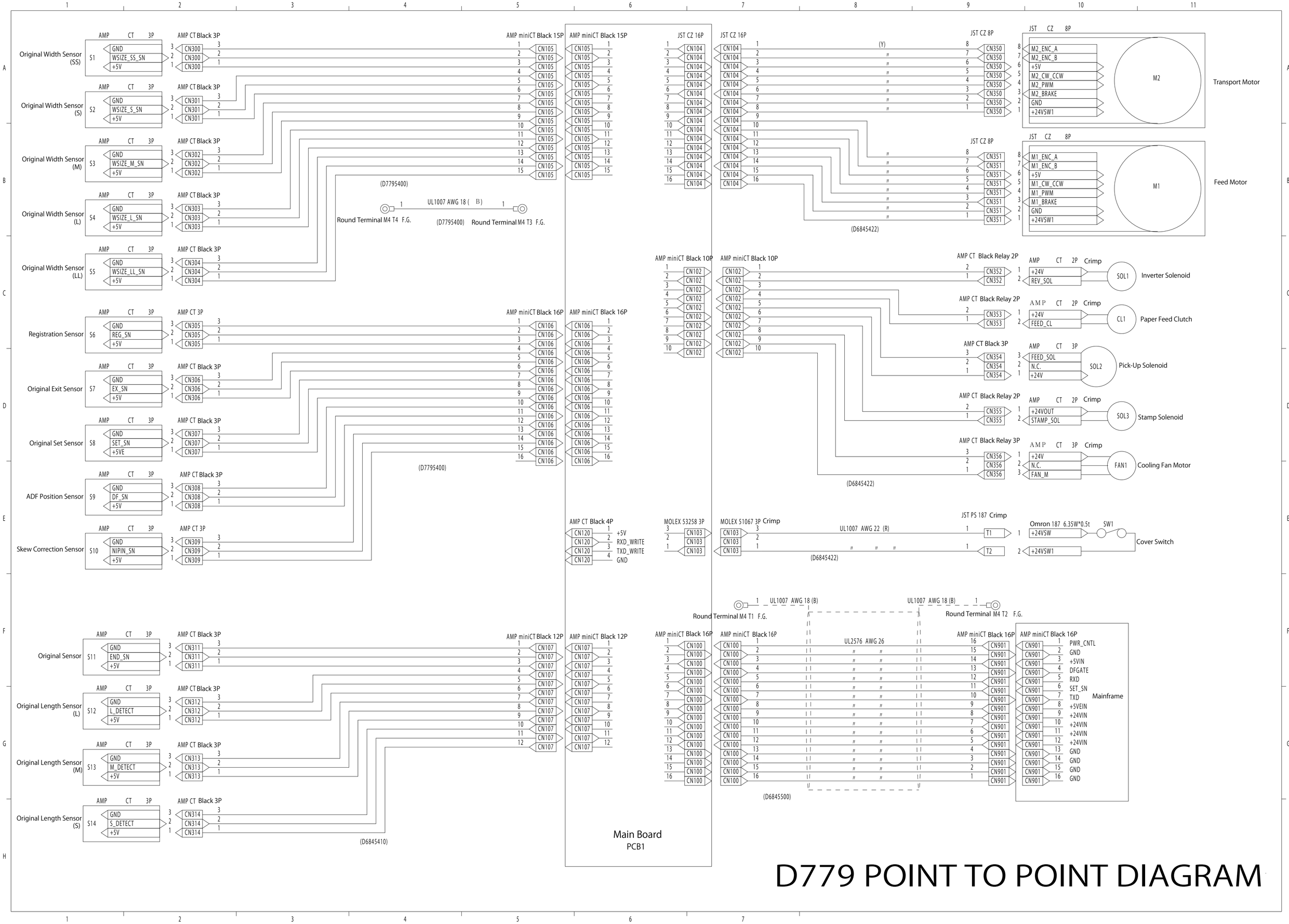


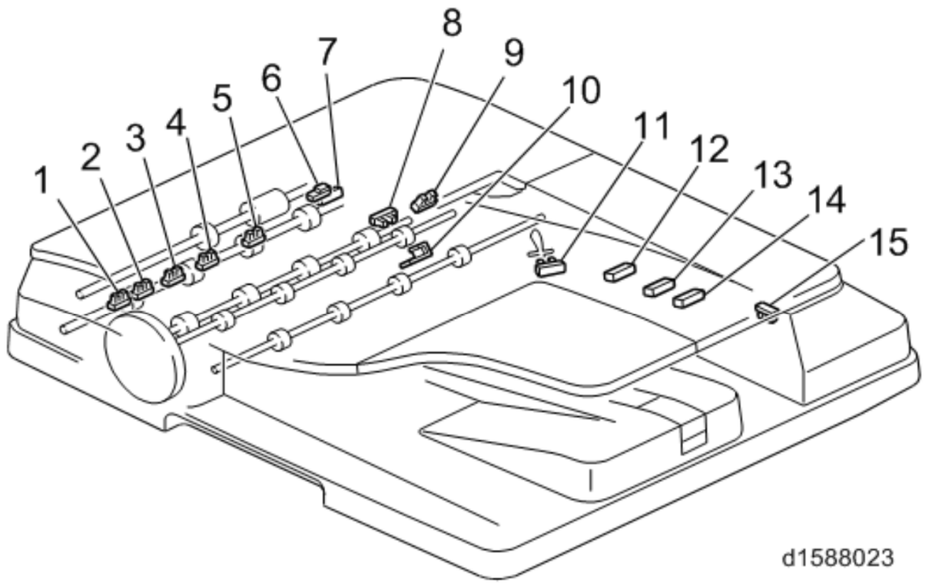
d1359902.wmf

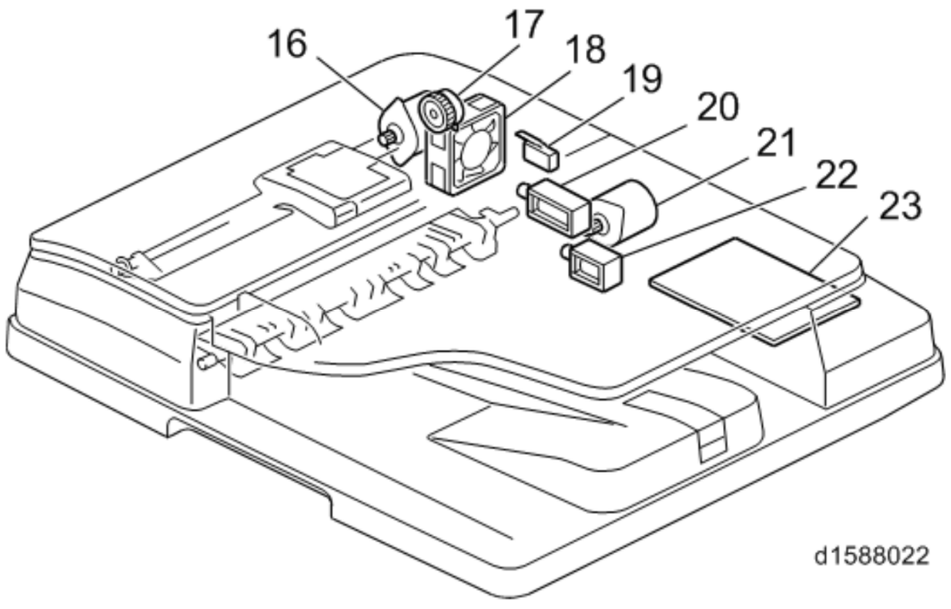
Symbol	Index No.	Description	P to P
Sensors			
S1	1	Original Width Sensor 5	A2
S2	2	Original Width Sensor 4	A2
S3	3	Original Width Sensor 3	B2
S4	4	Original Width Sensor 2	B2
S5	5	Original Width Sensor 1	B2
S6	7	Skew Correction Sensor	C2
S7	6	Seperation Sensor	D2
S8	10	Pick-up Roller HP Sensor	D2
S9	8	Bottom Plate Position Sensor	D2
S10	19	Interval Sensor	D2
S11	21	Exit Sensor	E2
S12	20	Registration Sensor	E2
S13	28	APS Sensor	A9
S14	15	Original Length Sensor (LG)	A9
S15	14	Original Length Sensor (A4)	B9
S16	13	Original Length Sensor (B5)	B9
S17	17	Bottom Plate HP Sensor	B9
S18	16	Original Set Sensor	B9-C9
S19	12	Original Length Sensor (LT/A4)	C9
S20	18	CIS	F2
Motors			
M1	9	Pick-up Motor	B3
M2	22	ADF Transport Motor	C2
M3	24	ADF Feed Motor	C9
M4	25	Pull-out Motor	D9
M5	30	Transport Motor	D9
M6	29	ADF Exit Motor	E9
M7	11	Bottom Plate Motor	E9
Switches			
SW1	23	ADF Feed Cover Interlock switch	F9
SW2	27	DF Position Switch	F9
PCB			
PCB1	26	ADF Control Board	D5-D6



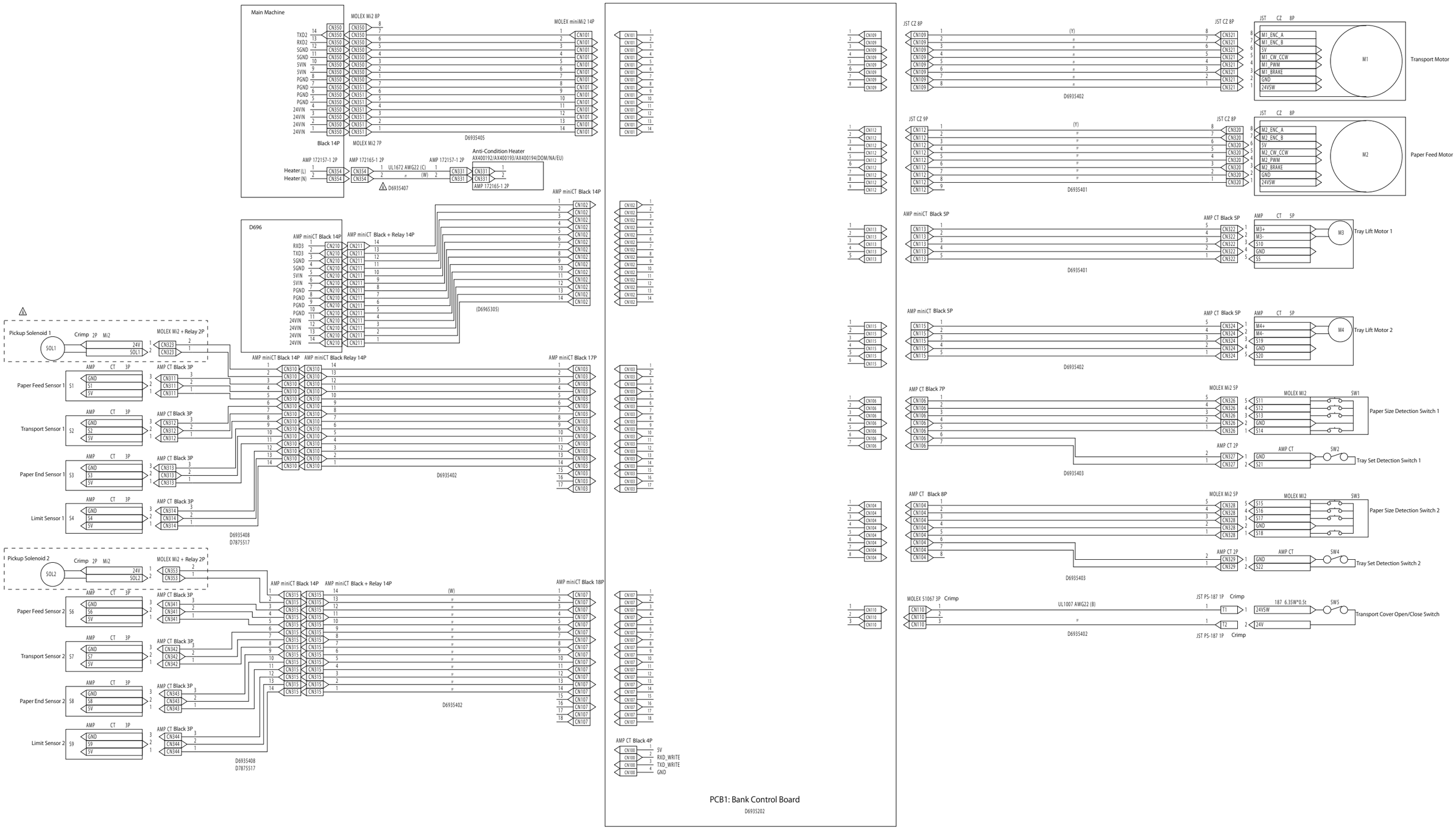
D779 POINT TO POINT DIAGRAM

D779 ELECTRICAL COMPONENT LAYOUT



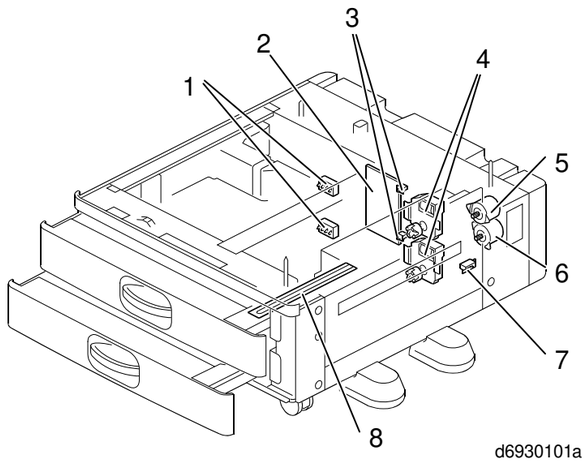


Motors			
Symbol	Index No.	Description	PtoP
M1	21	Feed Motor	B8
M2	16	Transport Motor	A8
M3	18	Cooling Fan Motor	D7
Sensors			
Symbol	Index No.	Description	PtoP
S1	5	Original Width Sensor (SS)	A1
S2	4	Original Width Sensor (S)	A1
S3	3	Original Width Sensor (M)	B1
S4	2	Original Width Sensor (L)	B1
S5	1	Original Width Sensor (LL)	B1
S6	7	Registration Sensor	C1
S7	8	Original Exit Sensor	C1
S8	9	Original Set Sensor	C1
S9	15	ADF Position Sensor	D1
S10	6	Skew Correction Sensor	D1
S11	11	Original Sensor	E1
S12	14	Original Length Sensor (L)	E1
S13	13	Original Length Sensor (M)	E1
S14	12	Original Length Sensor (S)	H1
Solenoids			
Symbol	Index No.	Description	PtoP
SOL1	22	Inverter Solenoid	B7
SOL2	20	Pick-up Solenoid	C7
SOL3	10	Stamp Solenoid	C7
Clutch			
Symbol	Index No.	Description	PtoP
CL1	17	Paper Feed Clutch	C7
Switches			
Symbol	Index No.	Description	PtoP
SW1	19	Cover Switch	
PCB			
Symbol	Index No.	Description	PtoP
PCB1	23	Main Board	F4



D787 POINT TO POINT DIAGRAM

D787 ELECTRICAL COMPONENT LAYOUT



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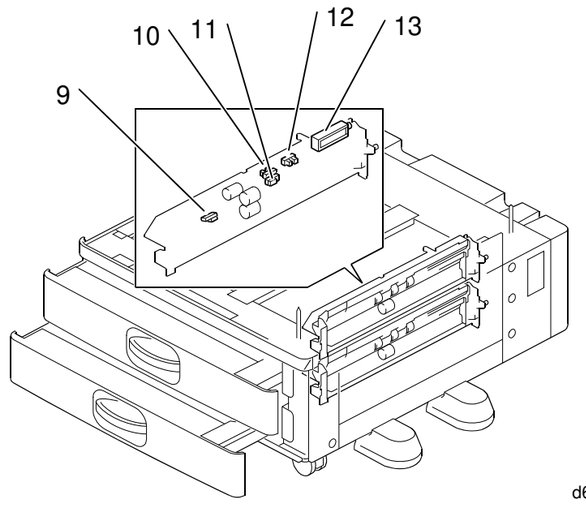
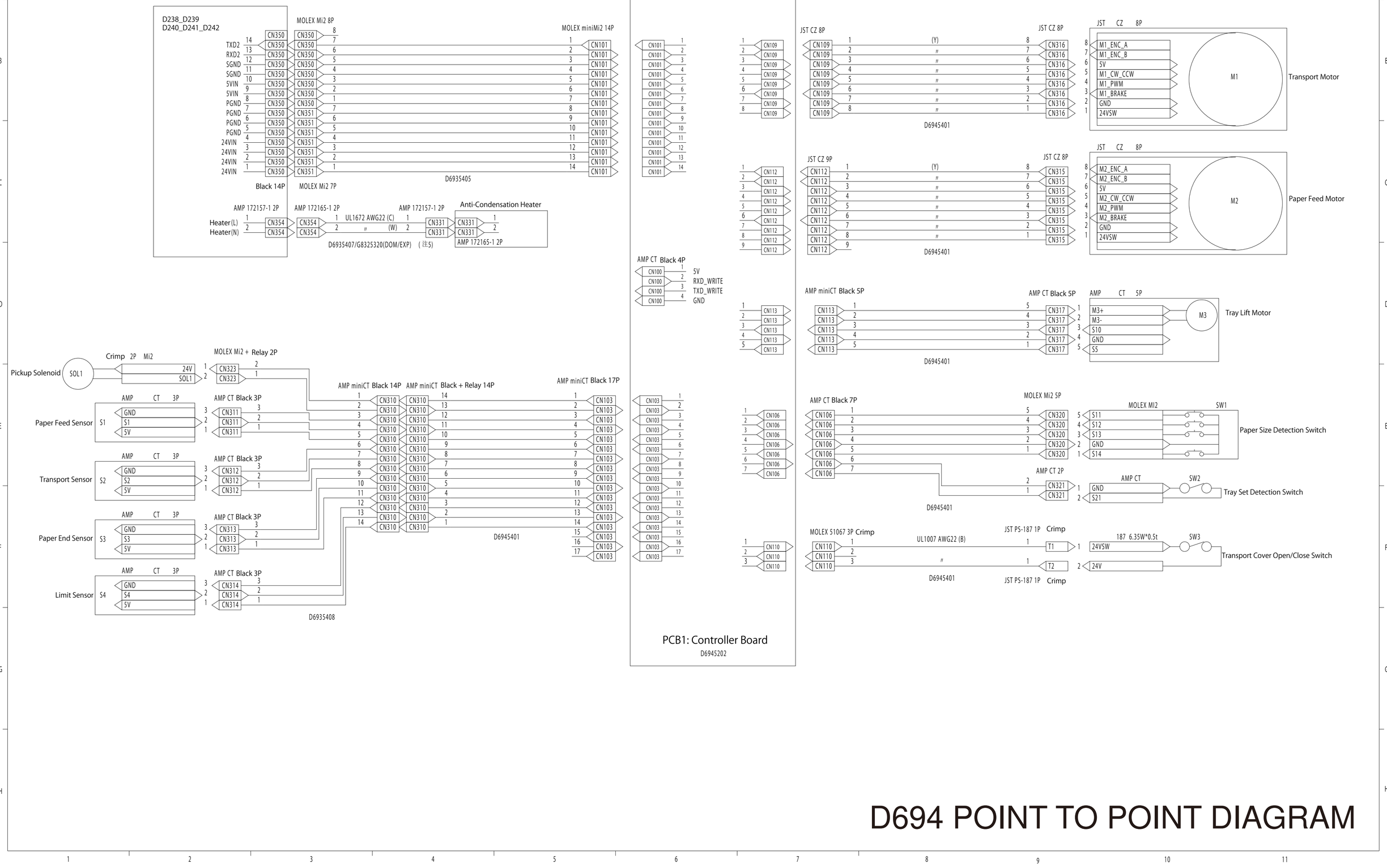


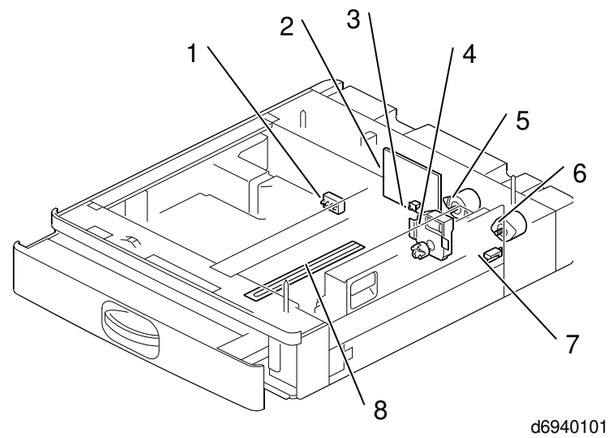
d6930102

Motors			
Symbol	Index No.	Description	PtoP
M1	6	Transport Motor	C16
M2	5	Paper Feed Motor	D16
M3	4	Tray Lift Motor 1	D16
M4	4	Tray Lift Motor 2	E16
Sensors			
Symbol	Index No.	Description	PtoP
S1	9	Paper Feed Sensor 1	F1
S2	11	Transport Sensor 1	G1
S3	10	Paper End Sensor 1	G1
S4	12	Limit Sensor 1	H1
S5	-	-	-
S6	9	Paper Feed Sensor 2	I1
S7	11	Transport Sensor 2	I1
S8	10	Paper End Sensor 2	I1
S9	12	Limit Sensor 2	J1
Solenoids			
Symbol	Index No.	Description	PtoP
SOL1	13	Pickup Solenoid 1	F1
SOL2	13	Pickup Solenoid 2	H1
Switches			
Symbol	Index No.	Description	PtoP
SW1	1	Paper Size Detection Switch 1	F16
SW2	3	Tray Set Detection Switch 1	G16
SW3	1	Paper Size Detection Switch 2	G16
SW4	3	Tray Set Detection Switch 2	H16
SW5	7	Transport Cover Open/Close Switch	H16
PCB			
Symbol	Index No.	Description	PtoP
PCB1	2	Bank Control Board	J9
Others			
Symbol	Index No.	Description	PtoP
HTR	8	Anti-Condensation Heater	D6

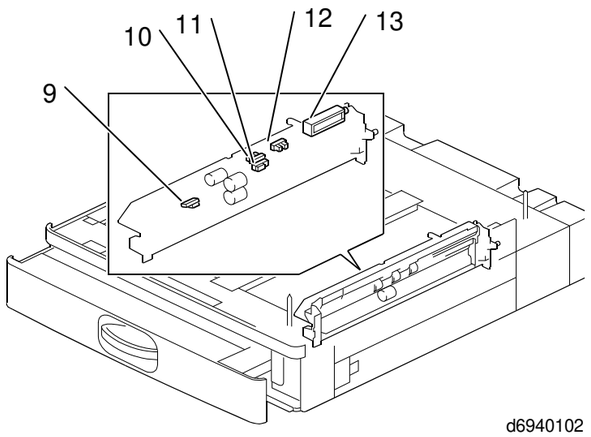


D694 POINT TO POINT DIAGRAM

D694 ELECTRICAL COMPONENT LAYOUT



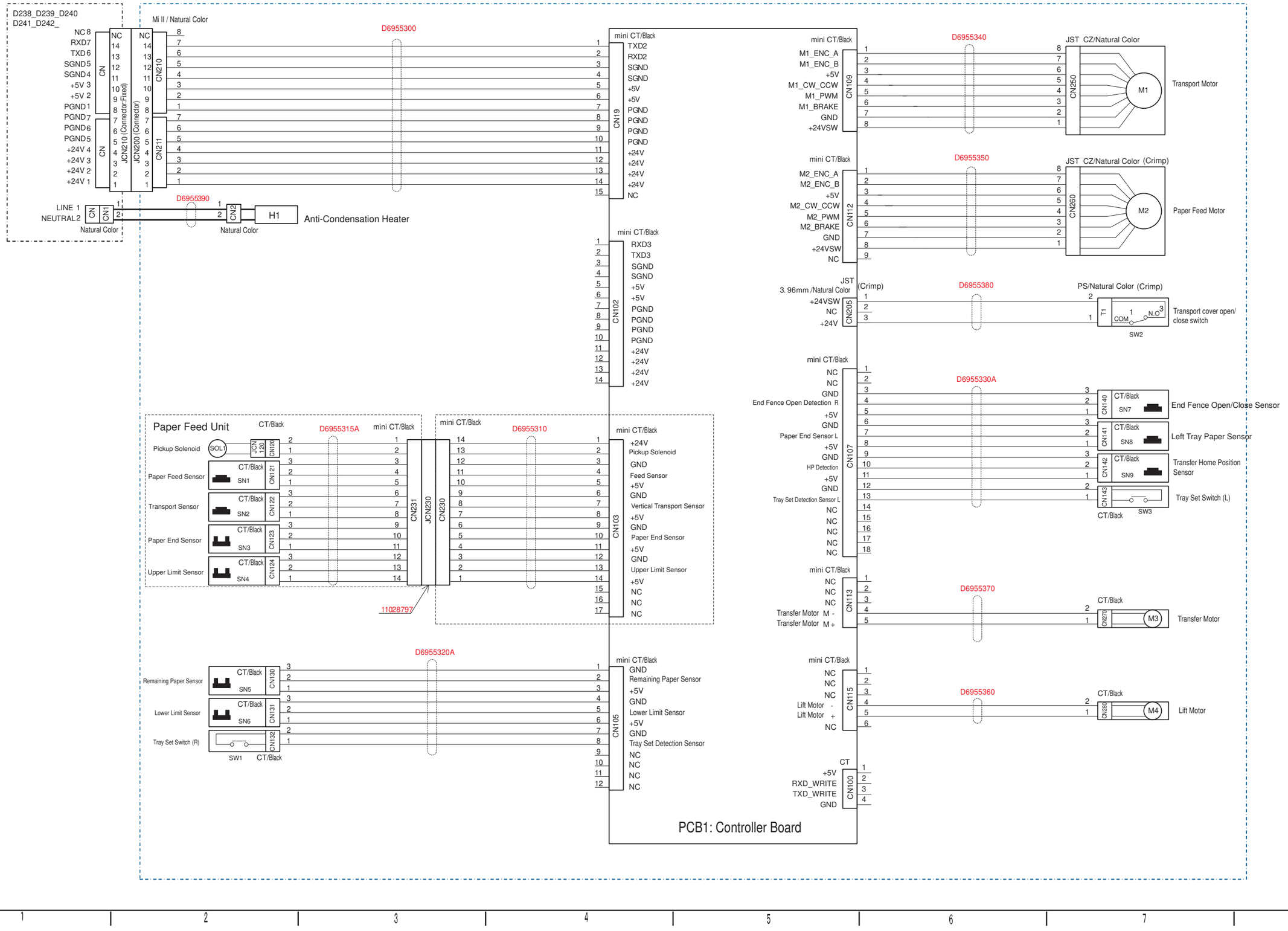
d6940101



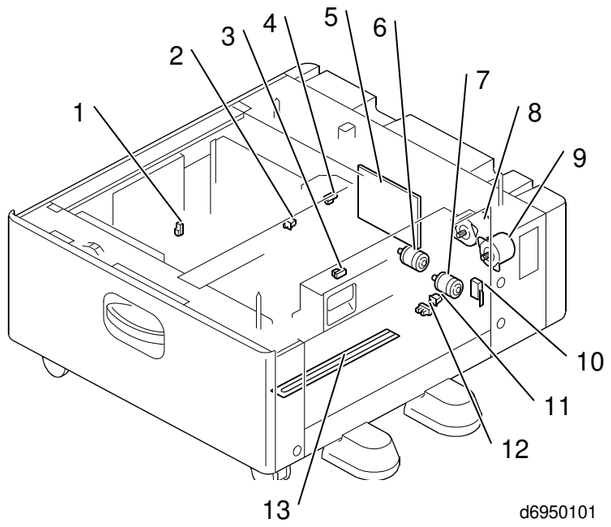
d6940102

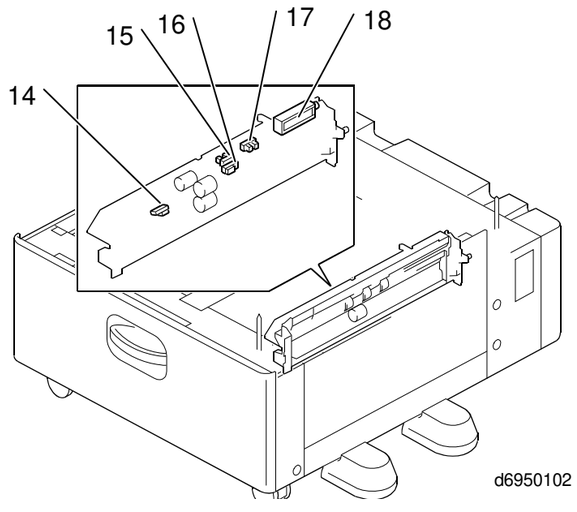
Motors			
Symbol	Index No.	Description	PtoP
M1	6	Transport Motor	B7
M2	5	Paper Feed Motor	C7
M3	4	Tray Lift Motor	C7
Sensors			
Symbol	Index No.	Description	PtoP
S1	9	Paper Feed Sensor	D1
S2	11	Transport Sensor	D1
S3	10	Paper End Sensor	E1
S4	12	Limit Sensor	E1
Solenoids			
Symbol	Index No.	Description	PtoP
SOL1	13	Pickup Solenoid	D1
Switches			
Symbol	Index No.	Description	PtoP
SW1	1	Paper Size Detection Switch	D7
SW2	3	Tray Set Detection Switch	D7
SW3	7	Transport Cover Open/Close Switch	E7
PCB			
Symbol	Index No.	Description	PtoP
PCB1	2	Controller Board	E4
Others			
Symbol	Index No.	Description	PtoP
HTR	8	Anti-Condensation Heater	C3

D695 POINT TO POINT DIAGRAM



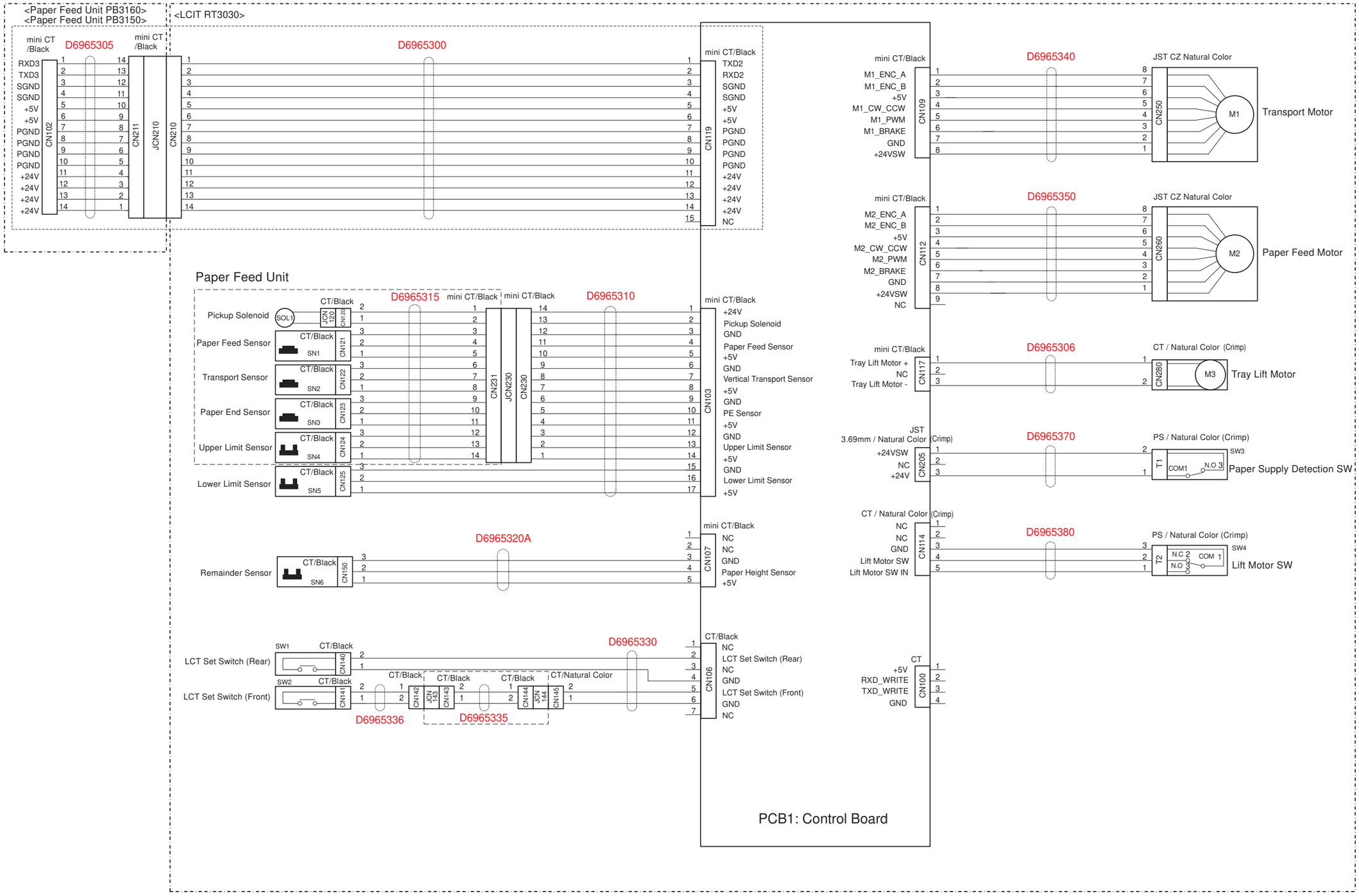
D695 ELECTRICAL COMPONENT LAYOUT



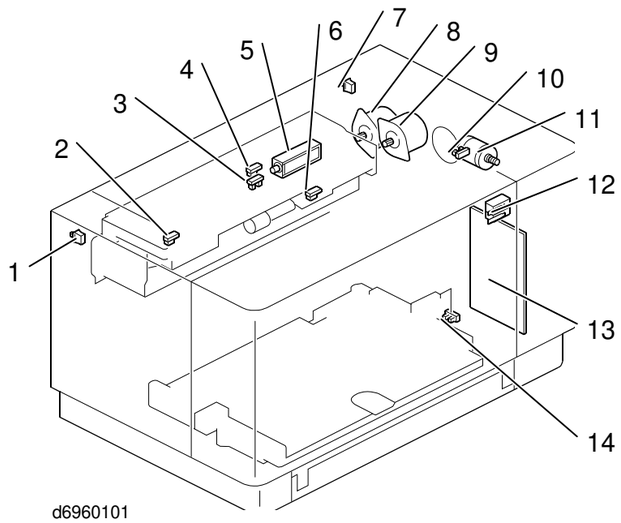


Motors			
Symbol	Index No.	Description	PtoP
M1	6	Transport Motor	B7
M2	8	Paper Feed Motor	B7
M3	6	Transfer Motor	D7
M3	7	Lift Motor	E7
Sensors			
Symbol	Index No.	Description	PtoP
SN1	14	Paper Feed Sensor	D2
SN2	16	Transport Sensor	D2
SN3	15	Paper End Sensor	D2
SN4	17	Upper Limit Sensor	D2
SN5	-	Remaining Paper Sensor	E2
SN6	12	Lower Limit Sensor	E2
SN7	4	End Fence Open/Close Sensor	C7
SN8	3	Left Tray Paper Sensor	C7
SN9	1	Transfer Home Position Sensor	D7
Solenoids			
Symbol	Index No.	Description	PtoP
SOL1	18	Pickup Solenoid	D2
Switches			
Symbol	Index No.	Description	PtoP
SW1	11	Tray Set Switch (R)	E2
SW2	10	Transport Cover Open/Close Switch	C7
SW3			
PCB			
Symbol	Index No.	Description	PtoP
PCB1	5	Controller Board	F5
Others			
Symbol	Index No.	Description	PtoP
H1	13	Anti-Condensation Heater	B2

D696 POINT TO POINT DIAGRAM

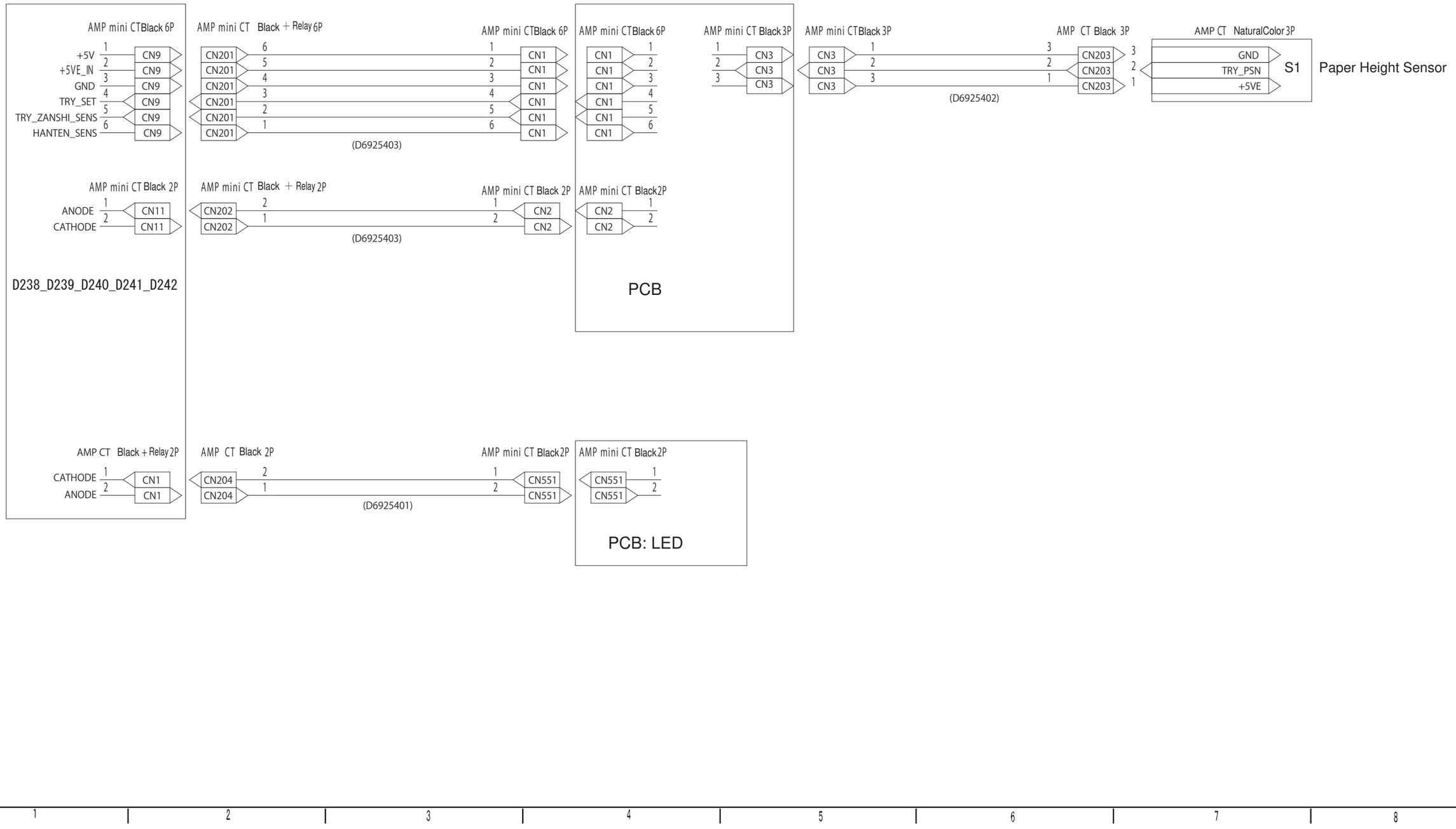


D696 ELECTRICAL COMPONENT LAYOUT

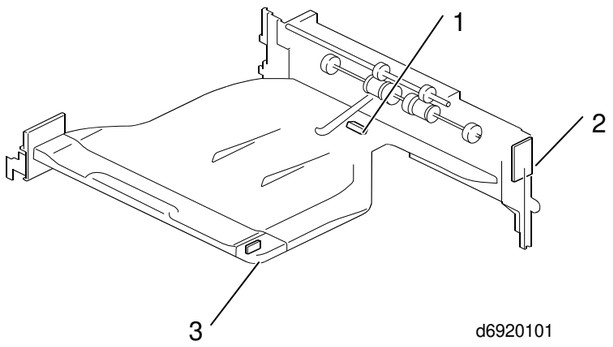


Motors			
Symbol	Index No.	Description	PtoP
M1	8	Transport Motor	B7
M2	9	Paper Feed Motor	C7
M3	11	Tray Lift Motor	C7
Sensors			
Symbol	Index No.	Description	PtoP
SN1	2	Paper Feed Sensor	C2
SN2	4	Transport Sensor	C2
SN3	6	Paper End Sensor	C2
SN4	3	Upper Limit Sensor	C2
SN5	14	Lower Limit Sensor	D2
SN6	10	Remainder Sensor	D2
Solenoids			
Symbol	Index No.	Description	PtoP
SOL1	5	Pickup Solenoid	C2
Switches			
Symbol	Index No.	Description	PtoP
SW1	7	LCT Set Switch (Rear)	E2
SW2	1	LCT Set Switch (Front)	E2
SW3	12	Paper Supply Detection Switch	D7
SW4	12	Lift Motor Switch	D7
PCB			
Symbol	Index No.	Description	PtoP
PCB1	13	Control Board	F5

D3CQ POINT TO POINT DIAGRAM

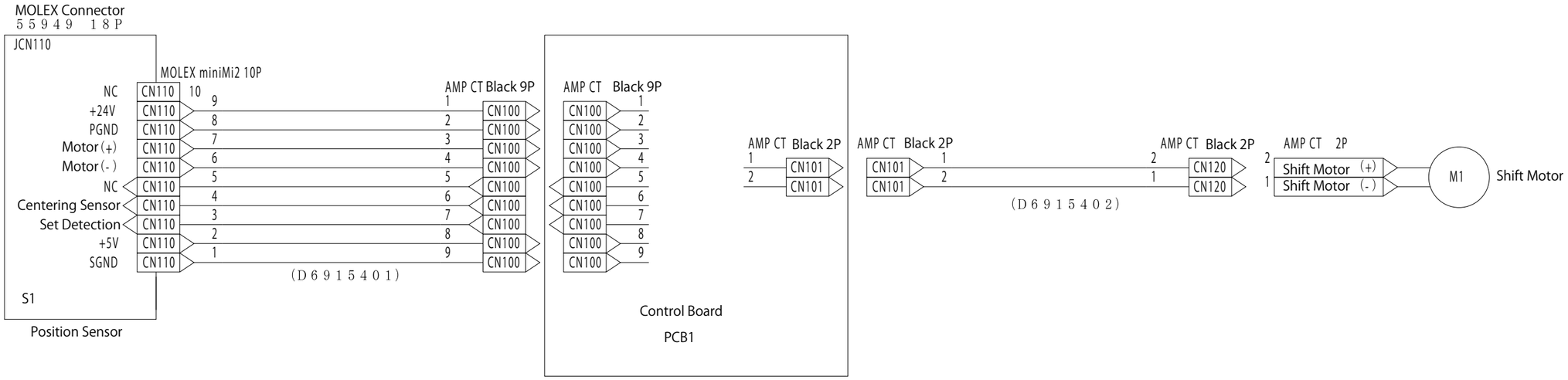


D3CQ ELECTRICAL COMPONENT LAYOUT

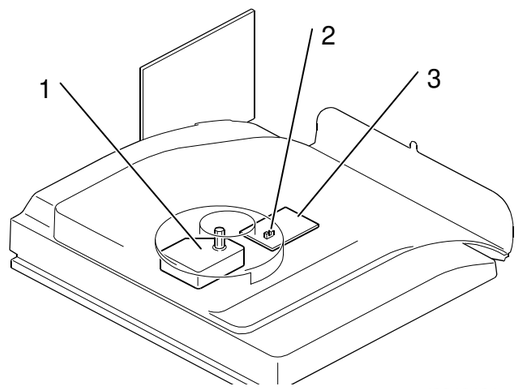


Sensors			
Symbol	Index No.	Description	PtoP
SN1	1	Paper Height Sensor	B7
PCB			
Symbol	Index No.	Description	PtoP
PCB1	2	Control Board	C4
LED			
Symbol	Index No.	Description	PtoP
LED	3	LED	E4

D691 POINT TO POINT DIAGRAM



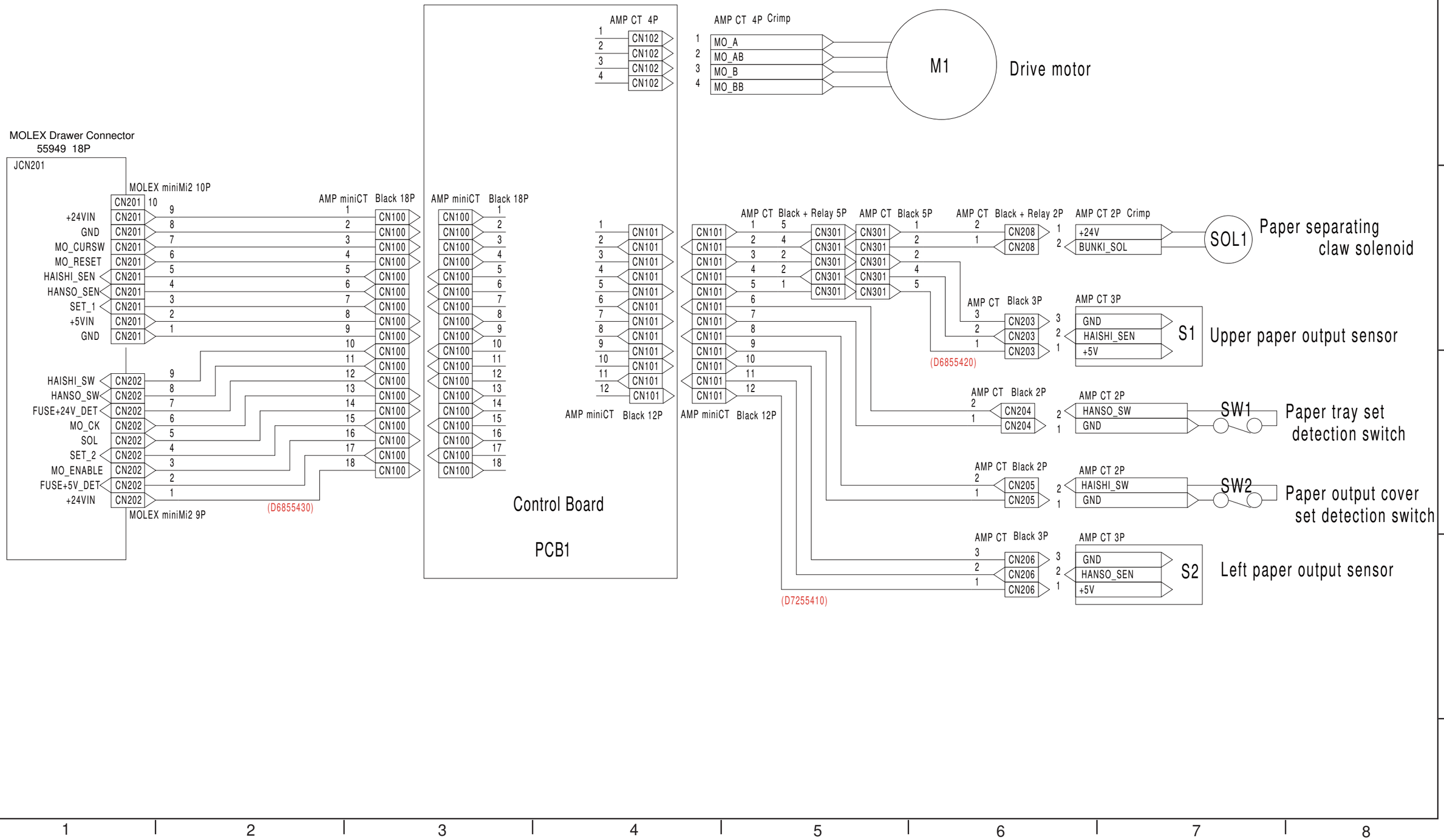
D691 ELECTRICAL COMPONENT LAYOUT



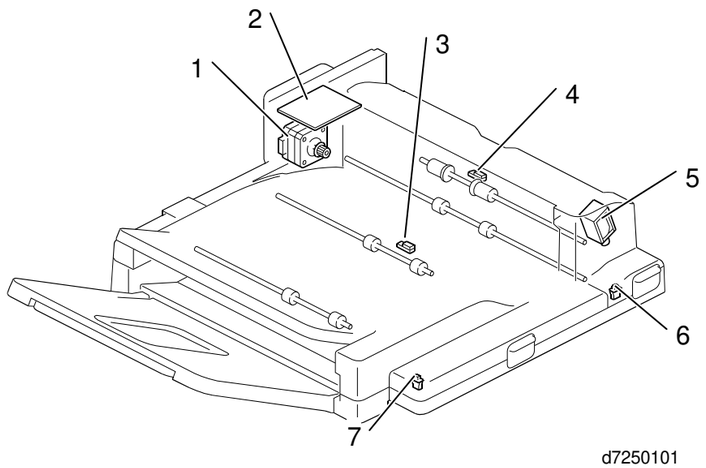
d6910101

Motors			
Symbol	Index No.	Description	PtoP
M1	1	Shift Motor	C8
Sensors			
Symbol	Index No.	Description	PtoP
S1	2	Position Sensor	C1
PCB			
Symbol	Index No.	Description	PtoP
PCB1	3	Control Board	D4

D725 POINT TO POINT DIAGRAM



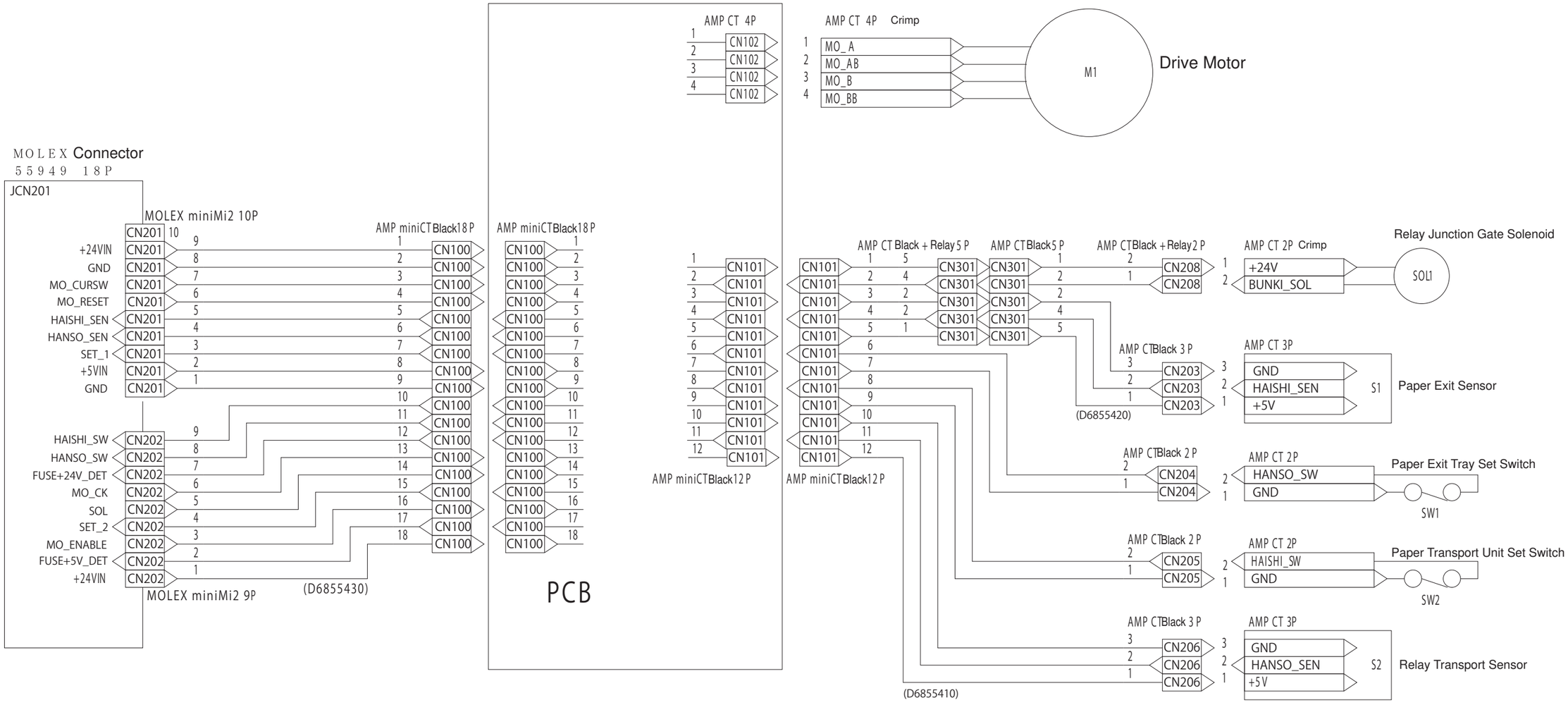
D725 ELECTRICAL COMPONENT LAYOUT



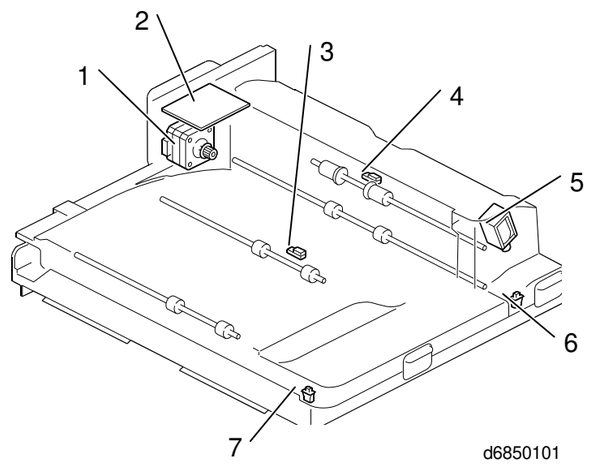
d7250101

Motors			
Symbol	Index No.	Description	PtoP
M1	1	Drive Motor	B6
Sensors			
Symbol	Index No.	Description	PtoP
S1	4	Upper Paper Output Sensor	C7
S2	3	Left Paper Output Sensor	E7
Solenoids			
Symbol	Index No.	Description	PtoP
SOL1	5	Paper Separating Claw Solenoid	C7
Switches			
Symbol	Index No.	Description	PtoP
SW1	7	Paper Tray Set Detection Switch	D7
SW2	6	Paper Output Cover Set Detection Switch	D7
PCB			
Symbol	Index No.	Description	PtoP
PCB1	2	Control Board	D4

D685 POINT TO POINT DIAGRAM



D685 ELECTRICAL COMPONENT LAYOUT



Motors			
Symbol	Index No.	Description	PtoP
M1	1	Drive Motor	B6
Sensors			
Symbol	Index No.	Description	PtoP
S1	4	Paper Exit Sensor	C7
S2	3	Relay Transport Sensor	E7
Solenoids			
Symbol	Index No.	Description	PtoP
SOL1	5	Relay Junction Gate Solenoid	C7
Switches			
Symbol	Index No.	Description	PtoP
SW1	7	Paper Exit Tray Set Switch	D7
SW2	6	Paper Transport Unit Set Switch	D7
PCB			
Symbol	Index No.	Description	PtoP
PCB1	2	Controller Board	E4

D3B8 POINT TO POINT DIAGRAM

CN400

D238_D239_
D240_D241_D242 I/F

UL2576 AWG26

UL3385 AWG18 IB1

D3895550 D3895560

Punch

D3895425 D3895427 D3895400 D3895498 D3895599

D7175578 D7175579 D7175577

PCU: Punch

D3895542 D3895543

Punch Unit

EH-C590R
A.011030

D3895405 D3895404

Main Control Board (D3B85200)

D3895415 D3895421 D3895476 D3895427 D3895444 D3895423 D3895403 D3895410 D3895402 D3895414 D3895413 D3895412

D3895460 D3895427 D3895592 D3895409 D3895408

VODKA DEBUG I/F

CPU DEBUG I/F

Switching I/F

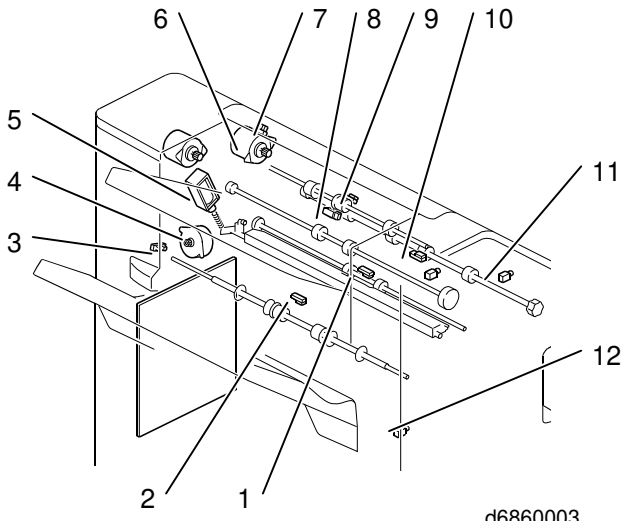
SPI I/F

FAN Motor I/F

D3895421 D3895570 D3895403

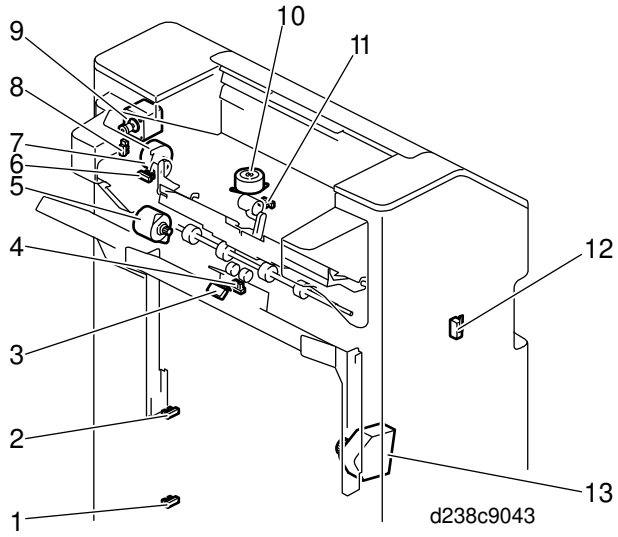
Staple Tray JAM LED	LED1
Intermediate Transport JAM LED	LED2
Entrance Transport JAM LED	LED3
Paper Exit Guide HP Sensor	S35
Punch Hopper Full Sensor	S32
Paper PositionSensor	S29
Punch HP Sensor	S33
Punch Rotation Pulse Sensor	S34
Punch Motor	DCM8
Punch Movement Motor	STM14
Punch MovementHP Sensor	S30
Paper PositionSensor Slide Motor	STM15
Paper PositionSide HP Sensor	S31
Stapler Motor	DCM5
Stapler Sensor	
Stapler Transfer HP Sensor (Edge)	S2
Stapleless: Booklet	DCM9
Entrance Transport Motor	DCM1
Paper Eject Transport Motor	DCM3
Proof Transport Motor	DCM2
Junction Solenoid	SOL1
Shift Motor	STM1
PositioningRoller Motor	STM5
Paper Guide Plate Open/Close Motor	STM2
Tray Lift Motor	DCM4
Paper Exit Guide Drive Motor	STM16
Release Claw Motor	STM4
Jogger Motor	STM3
Stapler(S90) Motor	STM6
Stapler(Stapleless)Motor	STM17
Paper Guide Drive Motor	STM18
Proof Tray Paper Eject Sensor	S22
Proof Tray Full Sensor	S21
Intermediate Transport Sensor L	S20
IntermediateTransport Sensor R	S19
Paper Guide PlateOpen/Close HP Sensor	S23
Shift HP Sensor	S17
Upper Cover Open/Close Sensor	S16
Positioning Roller HP Sensor	S14
Entrance Sensor	S18
Shift Tray Paper Surface Sensor	S13
Shift Tray Lower Limit Sensor (Lower)	S12
Shift Tray Lower Limit Sensor (Upper)	S1
Jogger HP Sensor	S11
Release Claw HP Sensor	S10
Staple Tray Paper Detection Sensor	S9
Shift Tray Paper Eject Sensor	S15
Stapleless Stapler HP Sensor	S6
Stapler HP Sensor	S5
Paper Guide HP Sensor	S3
Open/Close Door Switch	SW1
Shift Tray Upper Limit Switch	SW2

D3B8 ELECTRICAL COMPONENT LAYOUT(1/2)



d6860003

Fig.1



d238c9043

Fig.2

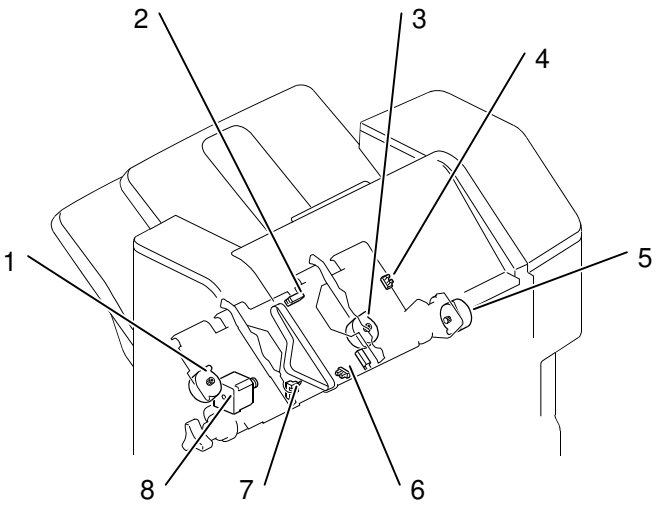
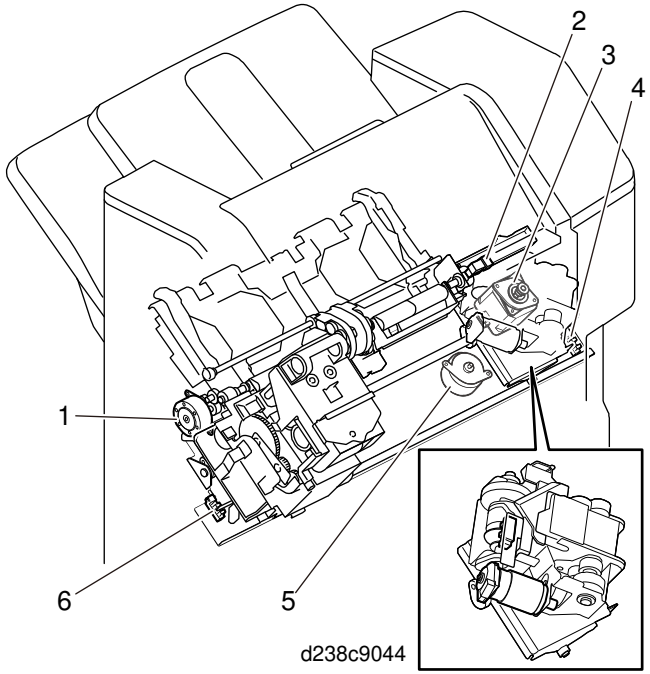


Fig.3

d6860005



d238c9044

Fig.4

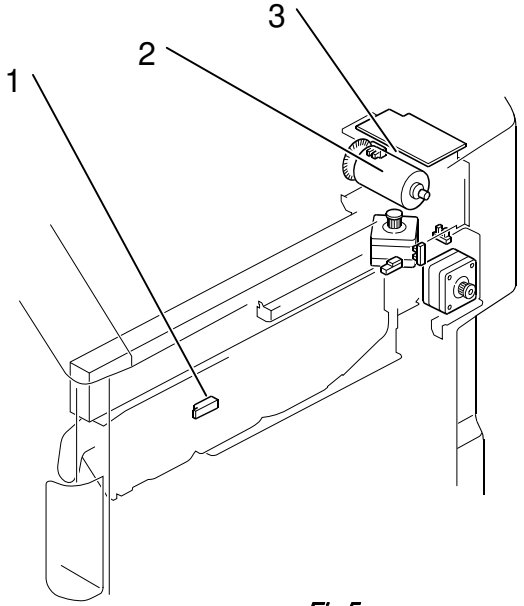


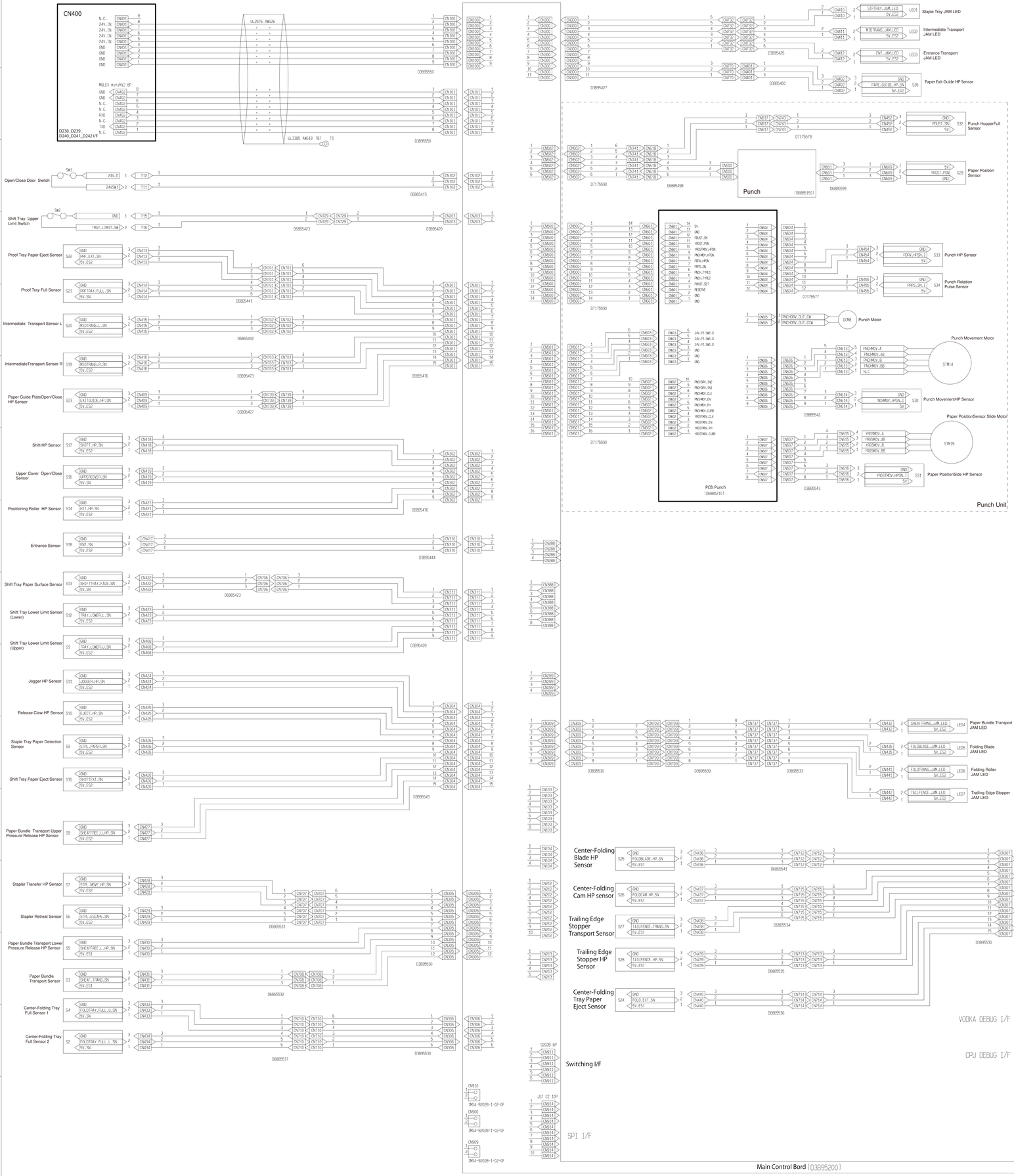
Fig.5

d6860008

D3B8 ELECTRICAL COMPONENT LAYOUT(2/2)

Symbol	Index No.	Description	P to P
Sensors			
S1	Fig2-1	Shift Tray Lower Limit Sensor (Upper)	J1
S2	-	Stapler Transfer HP Sensor (Edge)	I13
S3	Fig.4-2	Paper Guide HP Sensor	N1
S5	Fig.4-6	Stapler HP Sensor	N1
S6	Fig.4-4	Stapeless Stapler HP Sensor	M1
S9	Fig.3-4	Staple Tray Paper Detection Sensor	K1
S10	Fig.3-5	Release Claw HP Sensor	J1
S11	Fig.3-3	Jogger HP Sensor	J1
S12	Fig2-2	Shift Tray Lower Limit Sensor (Lower)	I1
S13	Fig2-4	Shift Tray Paper Surface Sensor	I1
S14	Fig2-6	Positioning Roller HP Sensor	H1
S15	Fig.3-2	Shift Tray Paper Eject Sensor	K1
S16	Fig.1-7	Upper Cover Open/Close Sensor	G1
S17	Fig.1-3	Shift HP Sensor	G1
S18	Fig.1-10	Entrance Sensor	H1
S19	Fig.1-1	IntermediateTransport Sensor R	F23
S20	Fig.1-2	Intermediate Transport Sensor L	E1
S21	Fig.1-8	Proof Tray Full Sensor	E1
S22	Fig.1-9	Proof Tray Paper Eject Sensor	D1
S23	Fig2-11	Paper Guide PlateOpen/Close HP Sensor	F23
S29	-	Paper PositionSensor	C14
S30	-	Punch MovementHP Sensor	F13
S31	-	Paper PositionSide HP Sensor	G13
S32	Fig.5-1	Punch Hopper Full Sensor	B14
S33	Fig.5-3	Punch HP Sensor	D14
S34	-	Punch Rotation Pulse Sensor	D14
S35	Fig2-8	Paper Guide HP Sensor	B13

Symbol	Index No.	Description	P to P
Motors			
STM1	Fig.1-4	Shift Motor	D23
STM2	Fig2-10	Paper Guide Plate Open/Close Motor	E23
STM3	Fig.3-1	Jogger Motor	H23
STM4	Fig.3-4	Release Claw Motor	G23
STM5	Fig2-7	PositioningRoller Motor	E23
STM6	-	Stapler(590)Motor	K23
STM14	-	Punch Movement Motor	E14
STM15	-	Paper PositionSensor Slide Motor	G14
STM16	Fig2-9	Paper Exit Guide Drive Motor	F23
STM17	Fig.4-3	Stapler (Stapeless) Motor	L23
STM18	Fig.4-1	Paper Guide Drive Motor	L23
DCM1	Fig.1-6	Entrance Transport Motor	A23
DCM2	-	Proof Transport Motor	C23
DCM3	Fig2-5	Paper Eject Transport Motor	B23
DCM4	Fig2-13	Tray Lift Motor	F23
DCM5	Fig.4-5	Stapler Motor	H14
DCM8	Fig.5-2	Punch Motor	E12
DCM9	-	Stapeless: Booklet	N11
Switches			
SW1	Fig2-12	Open.Close Door Switch	C1
SW2	Fig2-3	Shift Tray Upper Limit Switch	D1
LEDs			
LED1	Fig.1-12	Staple Tray JAM LED	A13
LED2	-	Intermediate Transport JAM LED	A13
LED3	Fig.1-11	Entrance Transport JAM LED	A13
Solenoids			
SOL1	Fig.1-5	Junction Solenoid	D23


CN400
D238_D239_
D240_D241_D242 I/F
UL2576 AWG26
MOLEX mini-Mi2 8P
UL3385 AWG18 (B)
T1
D3895550
D3895550
D3895427
D3895425
D3895400
D3895420
D3895543
D3895530
D3895476
D3895444
D3895423
D3895426
D3895543
D3895530
D3895532
D3895537
D3895530
D3895427
D3895441
D3895442
D3895473
D3895476
D3895441
D3895431
D3895427
D3895444
D3895423
D3895426
D3895543
D3895530
D3895532
D3895537
D3895530
Sk1
Open/Close Door Switch
24V_D1
24VSW1
D6865415
Sk2
Shift Tray Upper Limit Switch
GND
TRAY_LIMIT_SW
D6865423
D3895420
Staple Tray JAM LED
Intermediate Transport JAM LED
Entrance Transport JAM LED
Paper Exit Guide HP Sensor
STPTRAY_JAM_LED 5V_ES2
MIDTRANS_JAM_LED 5V_ES2
ENT_JAM_LED 5V_ES2
PAPE_GUIDE_HP_SN 5V_ES2
S35
LED1
LED2
LED3
Punch
D6885498
D6885501
D6895599
D7175578
D7175590
Punch HopperFull Sensor
PRESENSE_SN 5V_ES2
S32
Paper Position Sensor
YREGT_PSN 5V_ES2
S29
Punch Unit
PCB: Punch
D6885161
Punch Motor
PNCHDRV_OUT_CCW
PNCHDRV_OUT_CCW
DCM3
Punch HP Sensor
PSRV_HPSN_L 5V_ES2
S33
Punch Rotation Pulse Sensor
PRPS_SN_L 5V_ES2
S34
D7175577
Punch Movement Motor
PNCHMOV_A
PNCHMOV_AB
PNCHMOV_B
PNCHMOV_BB
N_C
STM14
Punch MovementHP Sensor
NCHMOV_HPSN_L 5V_ES2
S30
D3895542
Paper PositionSensor Slide Motor
YREGMOV_A
YREGMOV_AB
YREGMOV_B
YREGMOV_BB
STM15
Paper PositionSide HP Sensor
YREGTMOV_HPSN_L 5V_ES2
S31
D3895543
PCB: Punch
D6885161
Switching I/F
SPI I/F
VODKA DEBUG I/F
CPU DEBUG I/F
Main Control Bord (D3895200)
Proof Tray Paper Eject Sensor
PRF_EXT_SN 5V_ES2
S22
Proof Tray Full Sensor
PRF TRAY_FULL_SN 5V_SN
S21
Intermediate Transport Sensor L
MIDTRANS_L_SN 5V_ES2
S20
IntermediateTransport Sensor R
MIDTRANS_R_SN 5V_ES2
S19
Paper Guide PlateOpen/Close HP Sensor
PLTGUIDE_HP_SN 5V_ES2
S23
Shift HP Sensor
SHIFT_HP_SN 5V_ES2
S17
Upper Cover Open/Close Sensor
UPPERCOVER_SN 5V_SN
S16
Positioning Roller HP Sensor
HIT_HP_SN 5V_ES2
S14
Entrance Sensor
ENT_SN 5V_ES2
S18
Shift Tray Paper Surface Sensor
SHIFTTRAY_FACE_SN 5V_SN
S13
Shift Tray Lower Limit Sensor (Lower)
TRAY_LOWER_L_SN 5V_ES2
S12
Shift Tray Lower Limit Sensor (Upper)
TRAY_LOWER_U_SN 5V_ES2
S1
Jogger HP Sensor
JOGGER_HP_SN 5V_ES2
S11
Release Claw HP Sensor
EJECT_HP_SN 5V_ES2
S10
Staple Tray Paper Detection Sensor
STPL_PAPER_SN 5V_ES2
S9
Shift Tray Paper Eject Sensor
SHIFTEXT_SN 5V_ES2
S15
Paper Bundle Transport Upper Pressure Release HP Sensor
SHEAFFREE_U_HP_SN 5V_ES2
S8
Stapler Transfer HP Sensor
STPL_MOVE_HP_SN 5V_ES2
S7
Stapler Retreat Sensor
STPL_ESCAPE_SN 5V_ES2
S6
Paper Bundle Transport Lower Pressure Release HP Sensor
SHEAFFREE_L_HP_SN 5V_ES1
S5
Paper Bundle Transport Sensor
SHEAF_TRANS_SN 5V_ES1
S3
Center-Folding Tray Full Sensor 1
FOLDTRAY_FULL_U_SN 5V_SN
S4
Center-Folding Tray Full Sensor 2
FOLDTRAY_FULL_L_SN 5V_SN
S2
Center-Folding Blade HP Sensor
FOLDBLADE_HP_SN 5V_ES1
S25
Center-Folding Cam HP sensor
FOLDCAM_HP_SN 5V_ES1
S26
Trailing Edge Stopper Transport Sensor
TAILFENCE_TRANS_SN 5V_ES1
S27
Trailing Edge Stopper HP Sensor
TAILFENCE_HP_SN 5V_ES1
S28
Center-Folding Tray Paper Eject Senser
FOLD_EXT_SN 5V_ES1
S24
Paper Bundle Transport Upper Pressure Release Motor
SHEAFFREE_U_M
SHEAFFREE_UB
SHEAFFREE_U_MB
SHEAFFREE_U_MBB
STM6
Paper Bundle Transport Lower Pressure Release Motor
SHEAFFREE_L_M
SHEAFFREE_L_MB
SHEAFFREE_L_MB
SHEAFFREE_L_MBB
STM10
Paper Bundle Transport Sensor
SHEAFTRANS_M
SHEAFTRANS_MB
SHEAFTRANS_MB
SHEAFTRANS_MBB
STM8
Paper Bundle Transport Upper Motor
Paper Exit Guide Drive Motor
PAPE_GUIDE_M
PAPE_GUIDE_MB
PAPE_GUIDE_MB
PAPE_GUIDE_MBB
STM15
Paper Eject Transport Motor
EXIT_M
EXIT_MB
EXIT_MB
EXIT_MBB
DCM3
Paper Exit Transport Motor
EXIT_M
EXIT_MB
EXIT_MB
EXIT_MBB
DCM1
Entrance Transport Motor
ENT_M
ENT_MB
ENT_MB
ENT_MBB
DCM1
Proof Transport Motor
PRF_M
PRF_MB
PRF_MB
PRF_MBB
DCM2
Junction Solenoid
BRANCH_SOL
SOL1
Shift Motor
SHIFT_M
SHIFT_MB
SHIFT_MB
SHIFT_MBB
STM1
PositioningRoller Motor
HIT_M
HIT_MB
HIT_MB
HIT_MBB
STM5
Paper Guide Plate Open/Close Motor
EXT_GUIDE_M
EXT_GUIDE_MB
EXT_GUIDE_MB
EXT_GUIDE_MBB
STM2
FAN Motor I/F
Tray Lift Motor
TRAY_M
TRAY_MB
DCM4
Release Claw Motor
EJECT_M
EJECT_MB
EJECT_MB
EJECT_MBB
STM4
Jogger Motor
JOGGER_M
JOGGER_MB
JOGGER_MB
JOGGER_MBB
STM3
Paper Bundle Transport Upper Pressure Release Motor
SHEAFFREE_U_M
SHEAFFREE_UB
SHEAFFREE_U_MB
SHEAFFREE_U_MBB
STM9
Folding Blade Motor
FOLDBLADE_M
FOLDBLADE_MB
FOLDBLADE_MB
FOLDBLADE_MBB
STM11
FoldingTransport Motor
FOLDTRANS_M
FOLDTRANS_MB
FOLDTRANS_MB
FOLDTRANS_MBB
STM12
Stapler Transfer Motor (Mid.)
STPL_MOVE_M
STPL_MOVE_MB
STPL_MOVE_MB
STPL_MOVE_MBB
STM7
Trailing Edge Stopper Motor
TAILFENCE_M
TAILFENCE_MB
TAILFENCE_MB
TAILFENCE_MBB
STM13
Sensor: Clincher (Booklet)
EH-CS81N (Clincher)
AJ.011031
Stapler Motor: Clincher (Booklet)
STP_CLN_M
STP_CLN_MB
STP_CLN_M-
STP_CLN_MB-
DCM6
Sensor: Driver (Booklet)
EH-CS81N (Driver)
AJ.011031
Stapler Motor: Driver (Booklet)
STP_DRV_M
STP_DRV_MB
STP_DRV_M-
STP_DRV_MB-
DCM7
D6865460
D6865460
D6865460
D3895427
D3895590
D3895543
D6865570
D6865571
D6865586
D3895530
D6865585
D6865585
D6865570
D6865570
D3895543

D3B9 ELECTRICAL COMPONENT LAYOUT(1/2)

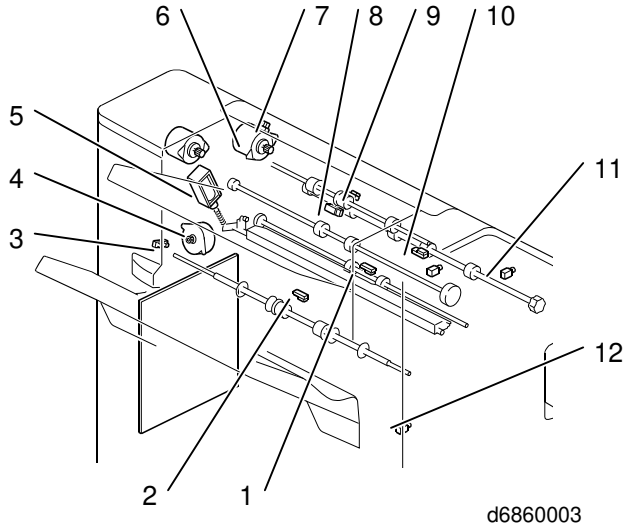


Fig.1

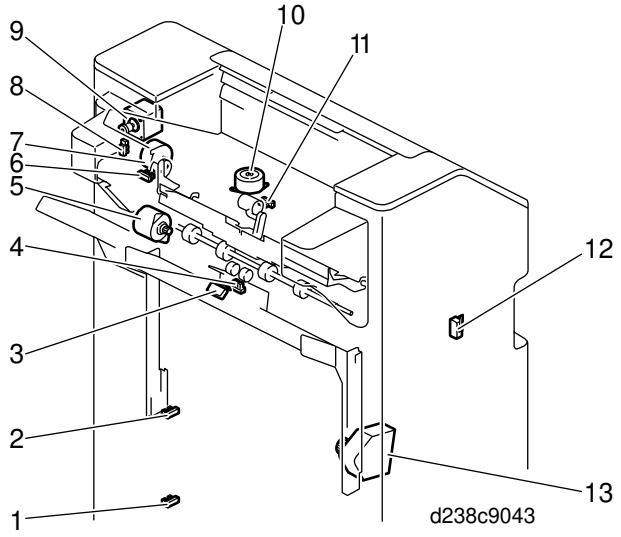


Fig.2

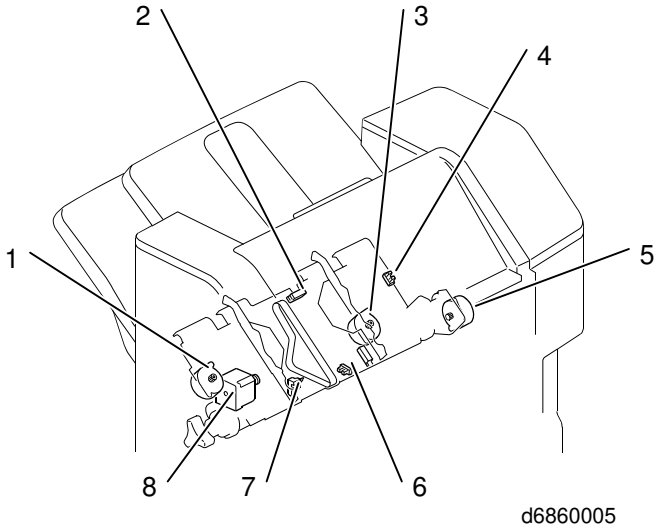


Fig.3

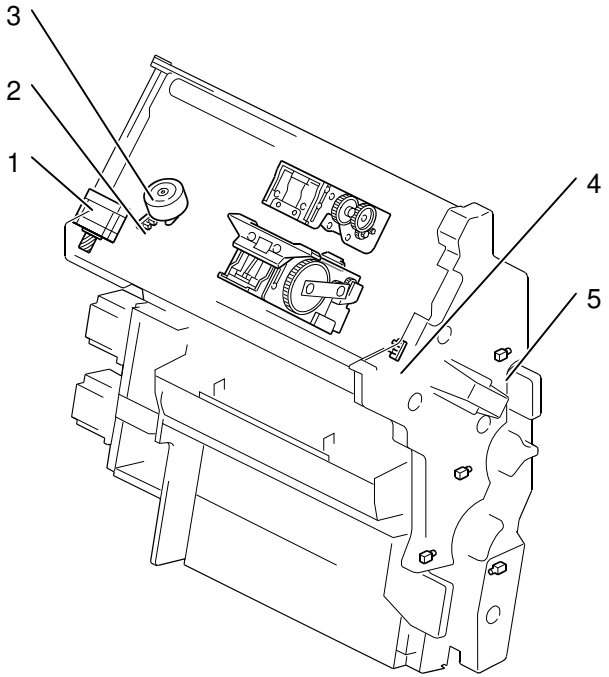


Fig.4

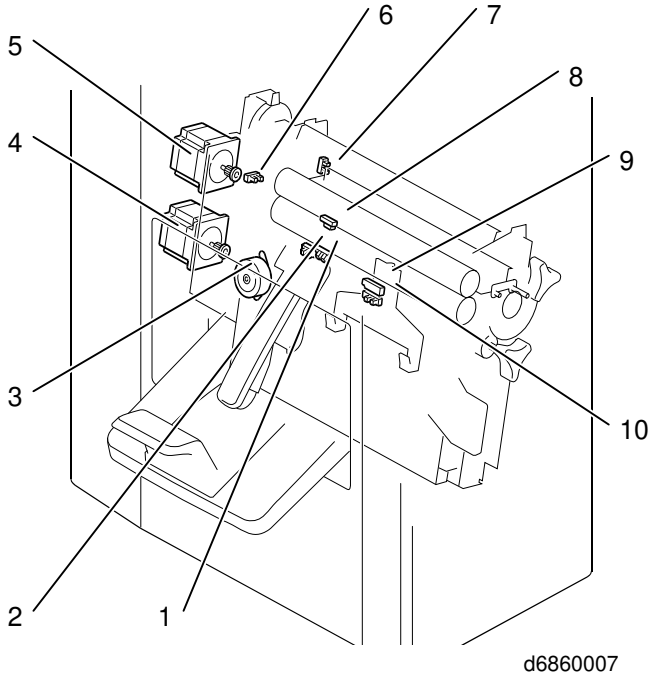


Fig.5

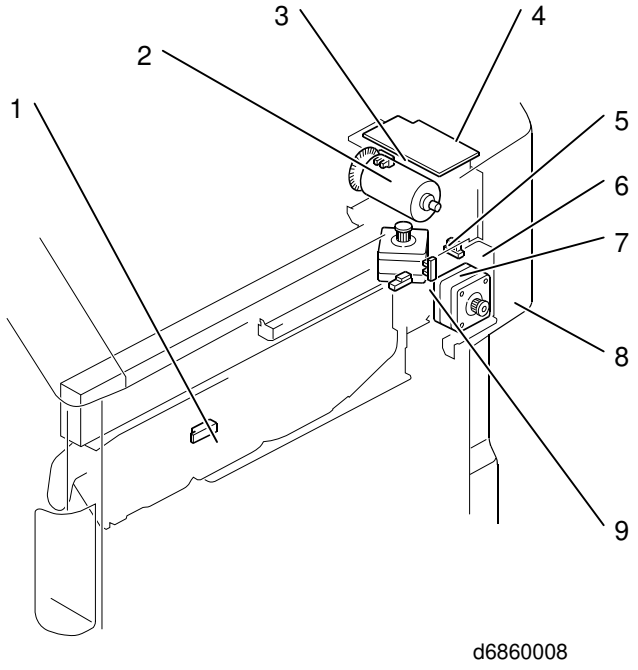


Fig.6

D3B9 ELECTRICAL COMPONENT LAYOUT(2/2)

Symbol	Index No.	Description	P to P
Sensors			
S1	Fig.2-1	Shift Tray Lower Limit Sensor (Upper)	I1
S2	Fig.5-1	Center-Folding Tray Full Sensor 2	O1
S3	-	Paper Bundle Transport Sensor	N1
S4	Fig.5-2	Center-Folding Tray Full Sensor 1	O1
S5	Fig.4-2	Paper Bundle Transport Lower Pressure Release HP Sensor	N1
S6	-	Stapler Retreat Sensor	M1
S7	Fig.4-4	Stapler Transfer HP Sensor	M1
S8	-	Paper Bundle Transport Upper Pressure Release HP Sensor	L1
S9	Fig.3-6	Staple Tray Paper Detection Sensor	K1
S10	Fig.3-7	Release Claw HP Sensor	J1
S11	Fig.3-4	Jogger HP Sensor	J1
S12	Fig.2-2	Shift Tray Lower Limit Sensor (Lower)	I1
S13	Fig.2-4	Shift Tray Paper Surface Sensor	I1
S14	Fig.2-6	Positioning Roller HP Sensor	H1
S15	Fig.3-2	Shift Tray Paper Eject Sensor	K1
S16	Fig.1-7	Upper Cover Open/Close Sensor	G1
S17	Fig.1-3	Shift HP Sensor	G1
S18	Fig.1-10	Entrance Sensor	H1
S19	Fig.1-1	IntermediateTransport Sensor R	F1
S20	Fig.1-2	Intermediate Transport Sensor L	E1
S21	Fig.1-8	Proof Tray Full Sensor	E1
S22	Fig.1-9	Proof Tray Paper Eject Sensor	D1
S23	Fig.2-11	Paper Guide PlateOpen/Close HP Sensor	F1
S24	Fig.5-8	Center-Folding Tray Paper Eject Sensor	N1
S25	Fig.5-7	Center-Folding Blade HP Sensor	M9
S26	Fig.5-6	Center-Folding Cam HP sensor	M9
S27	Fig.5-9	Trailing Edge Stopper Transport Sensor	M9
S28	Fig.5-10	Trailing Edge Stopper HP Sensor	N9
S29	-	Paper Position Sensor	C14
S30	-	Punch MovementHP Sensor	F13
S31	-	Paper PositionSide HP Sensor	G13
S32	-	Punch HopperFull Sensor	B14
S33	-	Punch HP Sensor	D13
S34	-	Punch Rotation Pulse Sensor	D13
S35	Fig.2-8	Paper Exit Guide HP Sensor	B13

Symbol	Index No.	Description	P to P
Motors			
STM1	Fig.1-4	Shift Motor	D23
STM2	Fig.2-10	Paper Guide Plate Open/Close Motor	E23
STM3	Fig.3-1	Jogger Motor	H23
STM4	Fig.3-8	Release Claw Motor	G23
STM5	Fig.2-7	Positioning Roller Motor	E23
STM7	Fig.4-1	Stapler Transfer Motor (Mid.)	K23
STM8	Fig.3-5	Paper Bundle Transport Upper Motor	I23
STM9	Fig.3-3	Paper Bundle Transport Upper Pressure Release Motor	H23
STM10	Fig.4-3	Paper Bundle Transport Lower Pressure Release Motor	L23
STM11	Fig.5-4	Folding Blade Motor	J23
STM12	Fig.5-5	FoldingTransport Motor	K23
STM13	Fig.5-3	Trailing Edge Stopper Motor	L23
STM14	-	Punch Movement Motor	E14
STM15	-	Paper PositionSensor Slide Motor	F14
STM16	Fig.2-9	Paper Exit Guide Drive Motor	F23
DCM1	Fig.1-6	Entrance Transport Motor	A23
DCM2	-	Proof Transport Motor	C23
DCM3	Fig.2-5	Paper Eject Transport Motor	B23
DCM4	Fig.2-13	Tray Lift Motor	F23
DCM6	-	Stapler Motor: Clincher(Booklet)	N23
DCM7	-	Stapler Driver(Booklet)	O23
DCM8	-	Punch Motor	E12
Switches			
SW1	Fig.2-12	Open/Close Door Switch	C1
SW2	Fig.2-3	Shift Tray Upper Limit Switch	D1
LEDs			
LED1	Fig.1-12	Staple Tray JAM LED	A13
LED2	-	Intermediate Transport JAM LED	A13
LED3	Fig.1-11	Entrance Transport JAM LED	A13
LED4	Fig.4-5	Paper Bundle Transport JAM LED	K14
LED5	-	Folding Blade JAM LED	K14
LED6	-	Folding Roller JAM LED	K14
LED7	-	Trailing Edge Stopper JAM LED	L14
Solenoids			
SOL1	Fig.1-5	Junction Solenoid	D23

D3BB/D3BA POINT TO POINT DIAGRAM

D3BB/ D3BA ELECTRICAL COMPONENT LAYOUT(1/2)

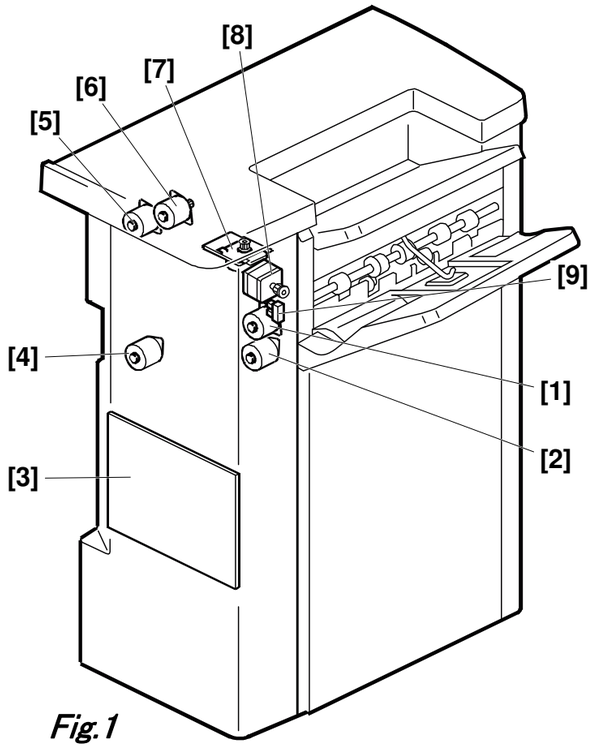


Fig.1

d223d8236

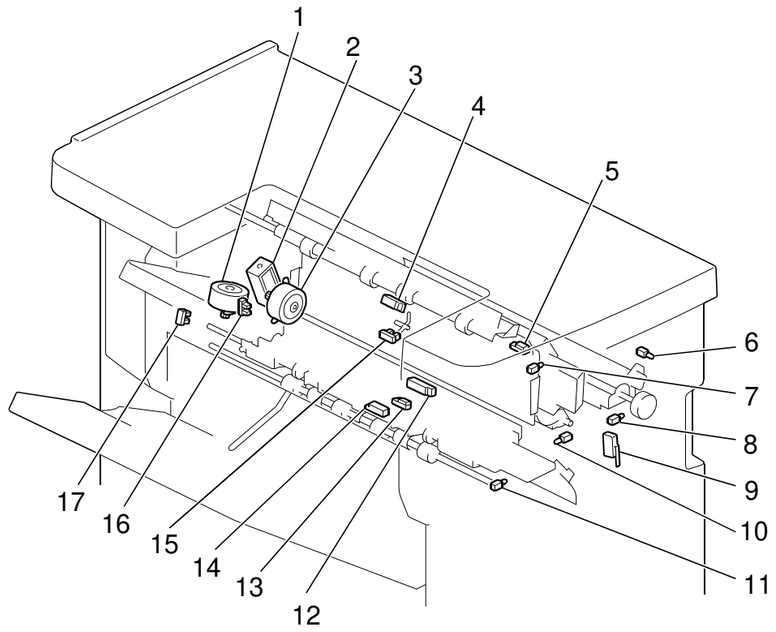


Fig.2

d7049901

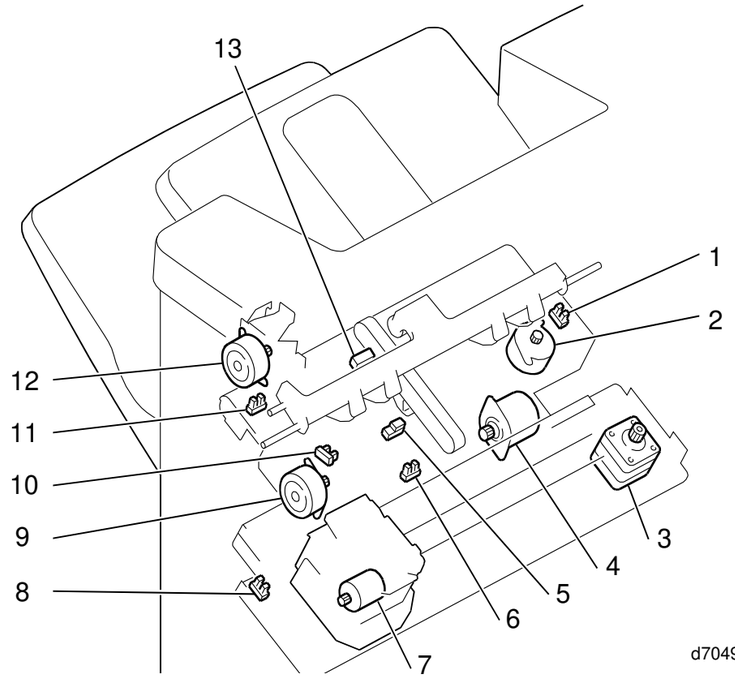
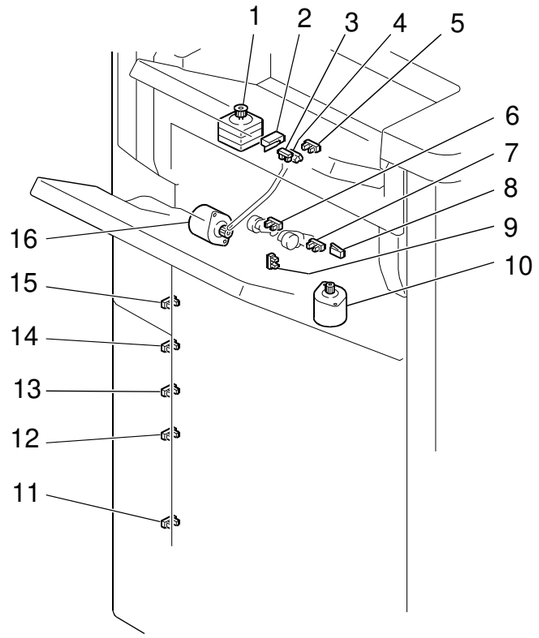


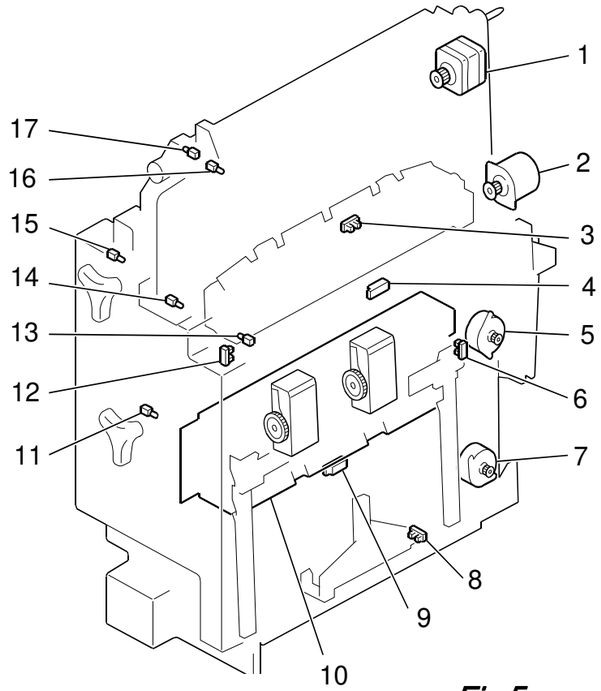
Fig.3

d7049903



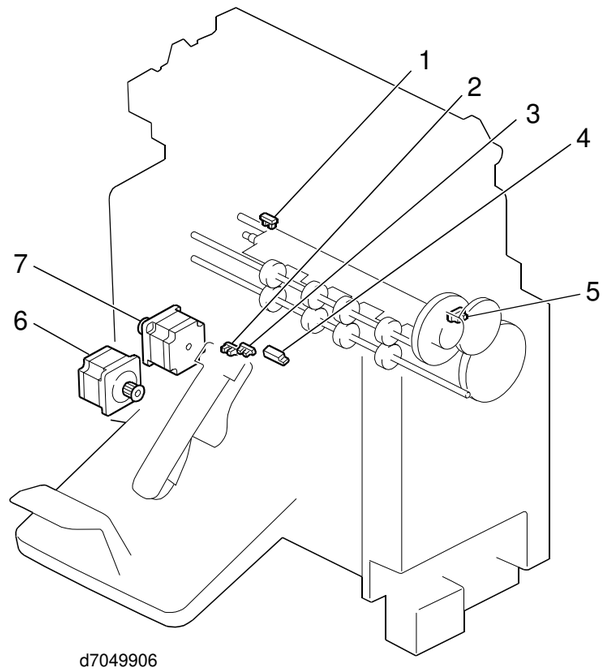
d7049904

Fig.4



d7049905

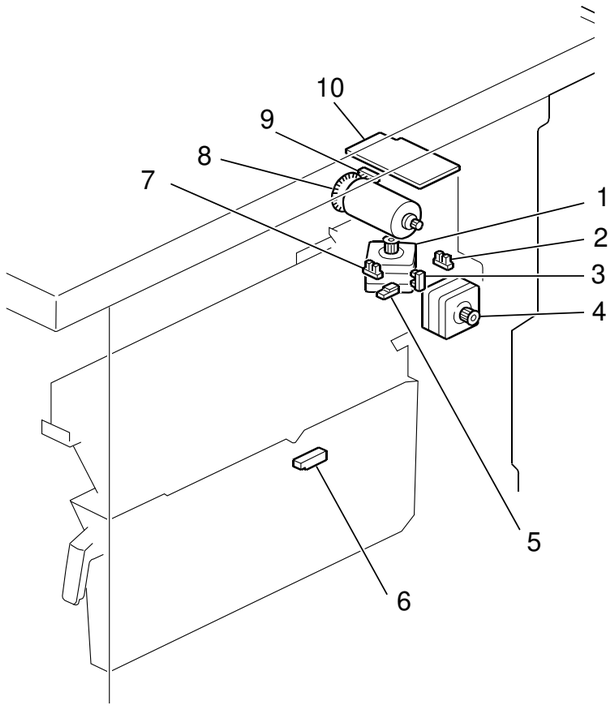
Fig.5



d7049906

Fig.6

D3BB/ D3BA ELECTRICAL COMPONENT LAYOUT(2/2)

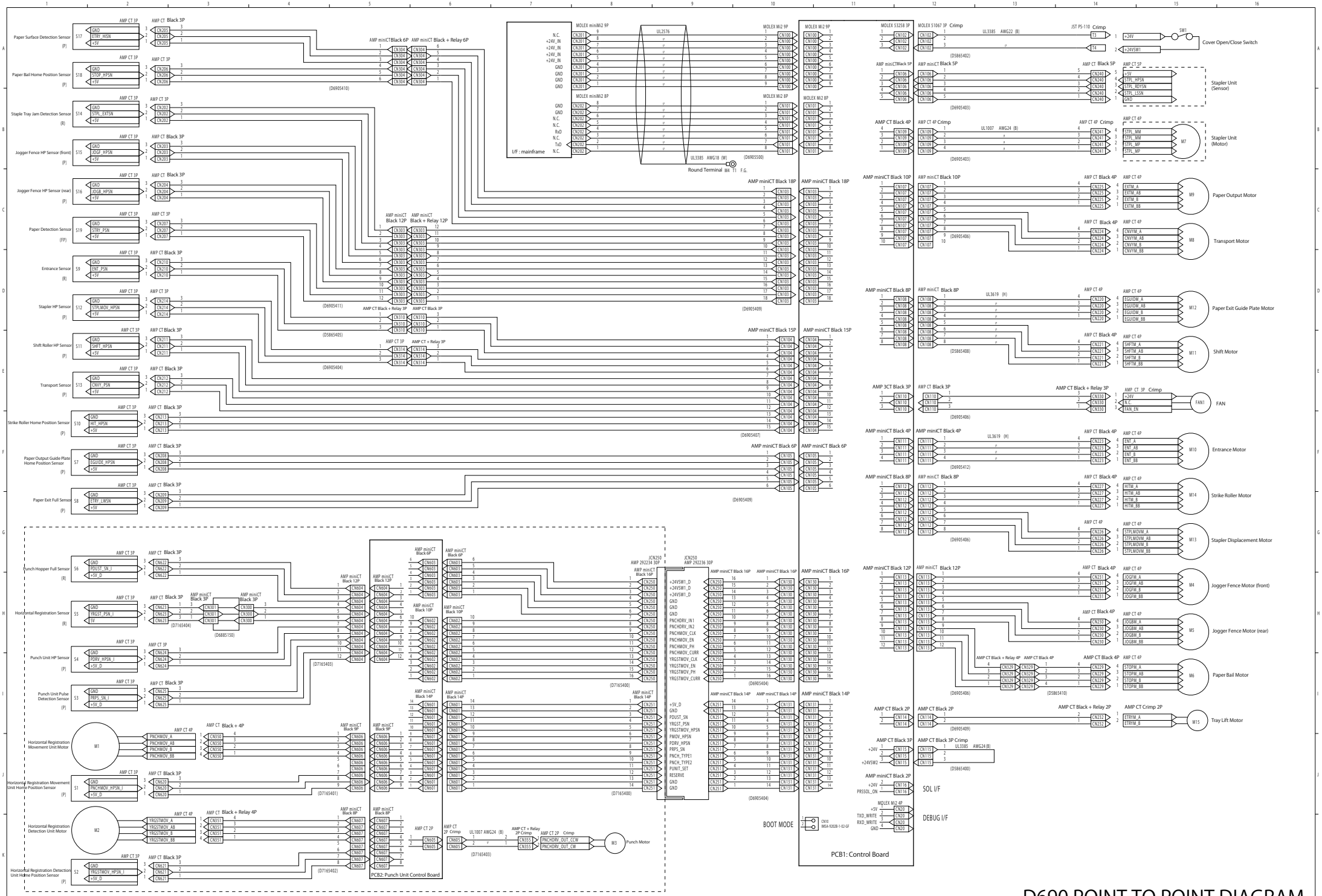


d7049907

Fig.7

Symbol	Index No.	Description	P to P
Sensors			
S1	Fig.6-1	Folding Blade HP Sensor	A1
S2	Fig.5-4	Booklet Paper Sensor(Upper)	A1
S3	Fig.5-3	Booklet Adjustment HP Senso	B1
S4	Fig.5-12	Booklet Guide Sensor	B1
S5	Fig.5-8	Booklet Bottom Fence HP Sensor	D1
S6	Fig.6-4	Bottom Paper Exit Sensor	D1
S7	Fig.6-3	Booklet Paper Full Sensor 1	D1
S8	Fig.6-2	Booklet Paper Full Sensor 2	E1
S9	Fig.6-5	Folding Blade Cam HP Sensor	C1
S10	Fig.5-6	Booklet Jogger HP Sensor	C1
S11	Fig.5-9	Booklet Paper Sensor (Lower)	B1
S12	Fig.3-6	Feed Out Guide HP Sensor	K1
S13	Fig.2-12	Horizonatal Transport Sensor	N1
S14	Fig.2-13	Switchback Transport Sensor	I1
S15	Fig.2-14	Paper Transport Sensor	H1
S16	Fig.4-15	Shift Tray Lower Limit Sensor 1	F1
S17	Fig.2-5	Entrance Sensor	E1
S18	Fig.2-16	Lower Junction Gate HP Sensor	H1
S19	Fig.2-17	Shift Roller HP Sensor	H1
S20	Fig.2-15	Proof Tray Exit Sensor	J1
S21	Fig.2-4	Proof Tray Full Sensor	I1
S22	Fig.3-13	Shift Tray Exit Sensor	J1
S23	Fig.3-8	Stapler Movement HP Sensor	L1
S24	Fig.4-6	Trailing Edge Pressure Plate HP Sensor	M1
S25	Fig.3-1	Jogger HP Sensor	L1
S26	Fig.4-3	Corner Stapling Paper Sensor 1	N1
S27	Fig.4-4	Corner Stapling Paper Sensor 2	N1
S28	Fig.3-11	Positioning Roller HP Sensor	O1
S29	Fig.4-12	Shift Tray Lower Limit Sensor 2	F1
S30	Fig.4-13	Shift Tray Lower Limit Sensor 3	F1
S31	Fig.3-5	Staple Tray Paper Sensor	J1
S32	Fig.4-9	Stacking Roller HP Sensor	L1
S33	Fig.3-10	Leading Edge Guide HP Sensor	K1
S34	Fig.4-5	Exit Guide Plate HP Sensor	O1
S35	Fig.4-7	Shift Tray Paper Sensor	M1
S36	Fig.4-12	Shift Tray Lower Limit Sensor 4	G1
S37	Fig.4-11	Shift Tray Lower Limit Sensor 5	G1
S38	Fig.7-7	Punch HP Sensor	F11
S39	Fig.7-9	Punch RPS Sensor	F12
S40	Fig.7-2	Punch Movement HP Sensor	H10
S41	Fig.7-3	Paper Position Side HP Sensor	I10
S42	Fig.7-6	Punch Hopper Full Sensor	E11
S43	Fig.7-5	Paper Position Side Sensor	E12
S44	Fig.1-9	Paper Guide HP Sensor	O1
S45	-	Shift Jogger Movement HP Sensor 1	J15
S46	-	Shift Jogger Movement HP Sensor 2	J15
S47	-	Shift Jogger Front HP Sensor	K15
S48	-	Shift Jogger Back HP Sensor	K15

Symbol	Index No.	Description	P to P
Motors			
STM1	Fig.3-2	Jogger Motor	G14
STM2	Fig.2-3	Lower Junction Gate Motor	H14
STM3	Fig.2-1	Shift Motor	F14
STM4	Fig.4-1	Paper Exit Gate Motor	G14
STM5	Fig.3-12	Positioning Roller Motor	H14
STM6	Fig.3-9	Leading Edge Guide Motor	G14
STM7	Fig.3-3	Stapler Movement Motor	F14
STM8	Fig.5-1	Booklet Guide Motor	C21
STM9	Fig.6-6	Folding Transport Moto	C21
STM10	Fig.6-7	Press Folding Motor	B21
STM11	Fig.5-5	Booklet Jogger Motor	D21
STM12	Fig.5-7	Booklet Fence Motor	D21
STM13	Fig.7-8	Punch Drive Motor	G12
STM14	Fig.7-4	Paper Position Sensor Side Motor	H12
STM15	-	Shift Jogger Front Motor	L14
STM16	-	Shift Jogger Back Motor	L14
STM17	-	Shift Jogger Movement Motor	K15
STM18	Fig.1-8	Paper Guide Motor	H20
DCM1	Fig.1-5	Entrance Transport Motor	F22
DCM2	Fig.1-6	Horizontal Transport Motor	F22
DCM3	Fig.1-2	Middle Transport Motor	A14
DCM4	Fig.1-1	Tray Exit Motor	B14
DCM5	Fig.1-4	Pre Stack Transport Motor	E22
DCM6	Fig.4-10	Stacking Roller Motor	C14
DCM7	Fig.3-4	Feed Out Motor	B14
DCM8	Fig.4-16	Trailing Edge Pressure Plate Motor	D14
DCM9	Fig.1-7	Tray Shift Motor	D14
DCM10	Fig.3-7	Stapler	G21
DCM11	Fig.5-2	Movement Roller Transport Motor	A22
DCM12	Fig.5-10	Booklet Stapler Motor	B23
DCM13	Fig.7-1	Punch Drive Motor	G9
DCM14	Fig.3-12	Positioning Roller Motor	I20
Switches			
SW1	Fig.2-9	Front Door Switch	N21
SW2	Fig.4-2	Paper Exit Guide Limit Switch	N21
SW3	Fig.4-8	Tray Upper Limit Switch	O21
LEDs			
LED1	Fig.2-7	LED1	J23
LED2	Fig.2-11	LED2	J23
LED3	Fig.2-10	LED3	J23
LED4	Fig.2-8	LED4	K23
LED5	Fig.2-6	LED5	K20
LED6	Fig.5-11	Booklet Unit LED1	K23
LED7	Fig.5-13	Booklet Unit LED2	L23
LED8	Fig.5-14	Booklet Unit LED3	L23
LED9	Fig.5-15	Booklet Unit LED4	M23
LED10	Fig.5-16	Booklet Unit LED5	M23
LED11	Fig.5-17	Booklet Unit LED6	M23
Solenoids			
SOL1	Fig.2-2	Upper Junction Gate Solenoid	E14
FAN			
FAN1	-	Paper Exit Fan	N17
PCBs			
PCB1	Fig.1-3	Main Control Board	-
PCB2	Fig.7-10	Punch Unit Control Board	-



D690 POINT TO POINT DIAGRAM

5. The Punch Unit is an option and they are D71617(NA 3/2 holes), D71627(EU 2/4 holes), and D71667(EU 4holes).
4. Suffix is omitted.
3. The color of connector with no indication is the nutural color.
2. The type of harness side connector with no indication is press-connect type.
(*) 1. The UL style of electric wire with no indication is UL10272, AWG size is AWG26, and its color is purple(M).

D690 ELECTRICAL COMPONENT LAYOUT(1/2)

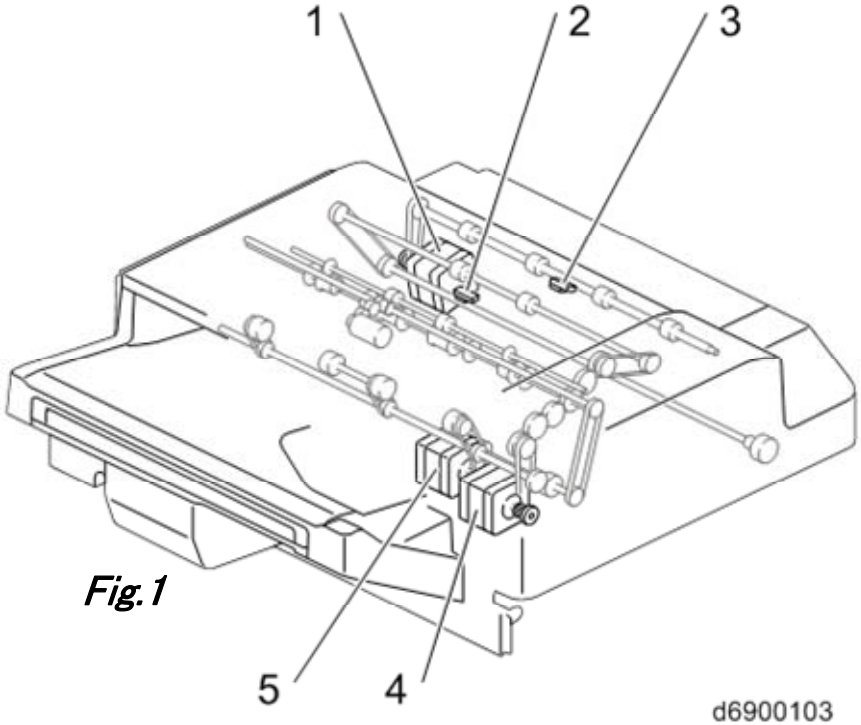


Fig.1

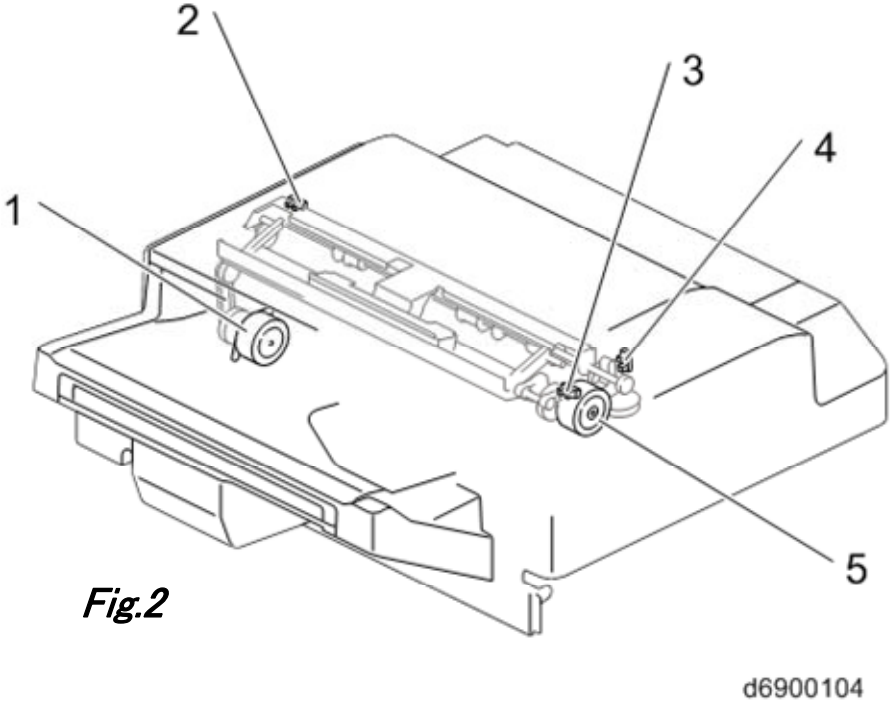


Fig.2

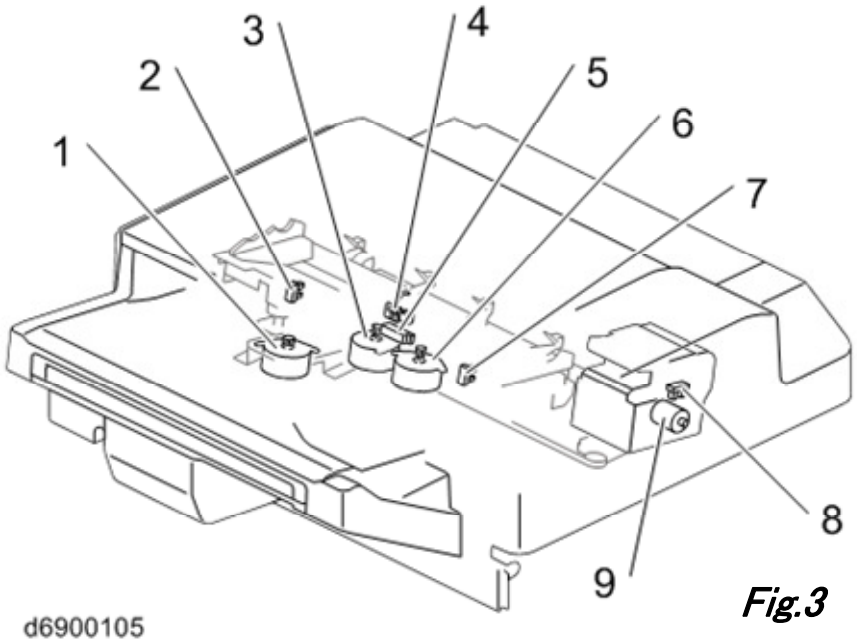


Fig.3

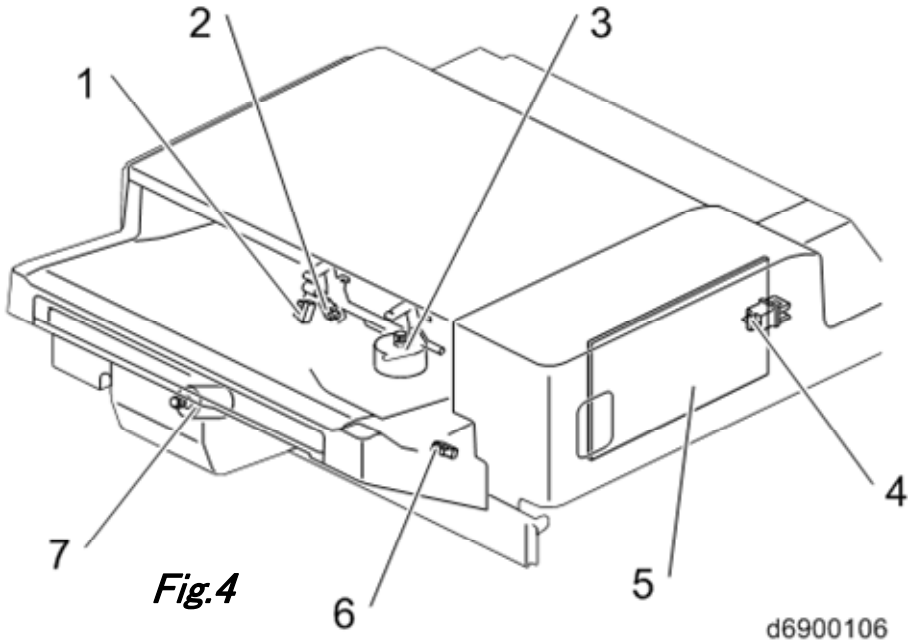
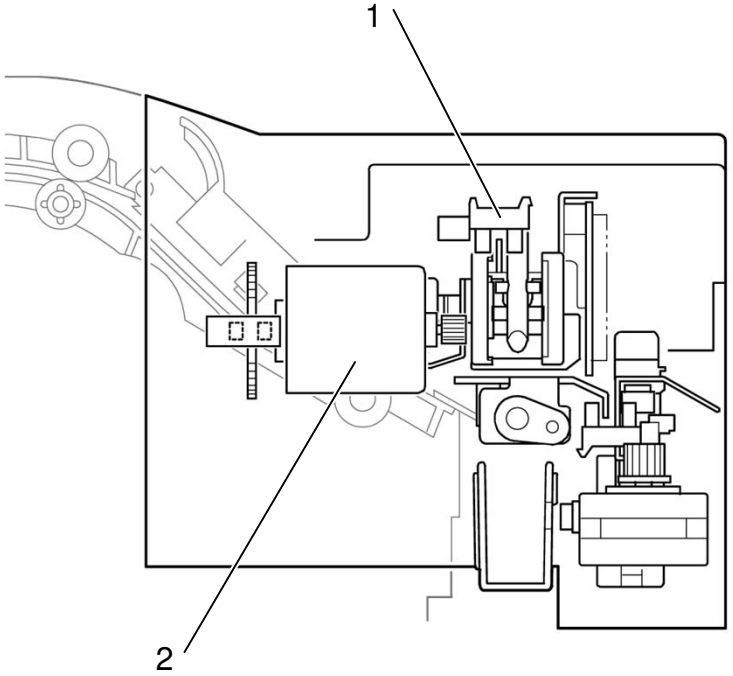


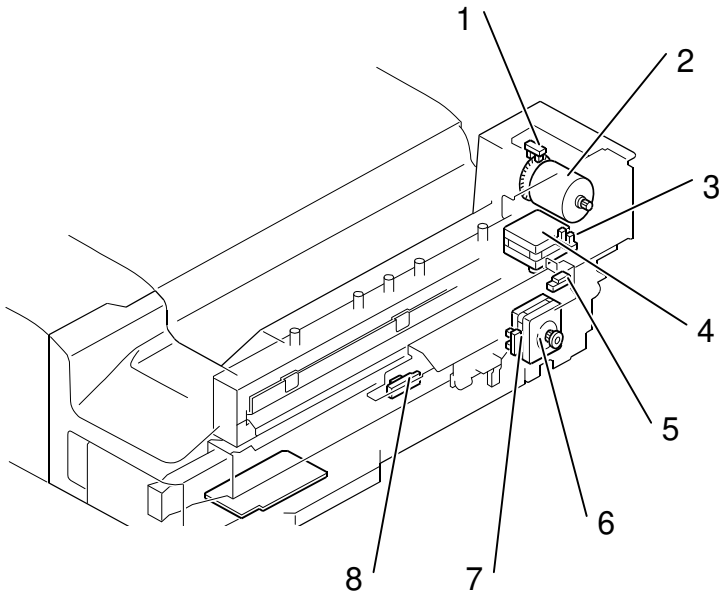
Fig.4

D690 ELECTRICAL COMPONENT LAYOUT(2/2)



d1467000

Fig.5

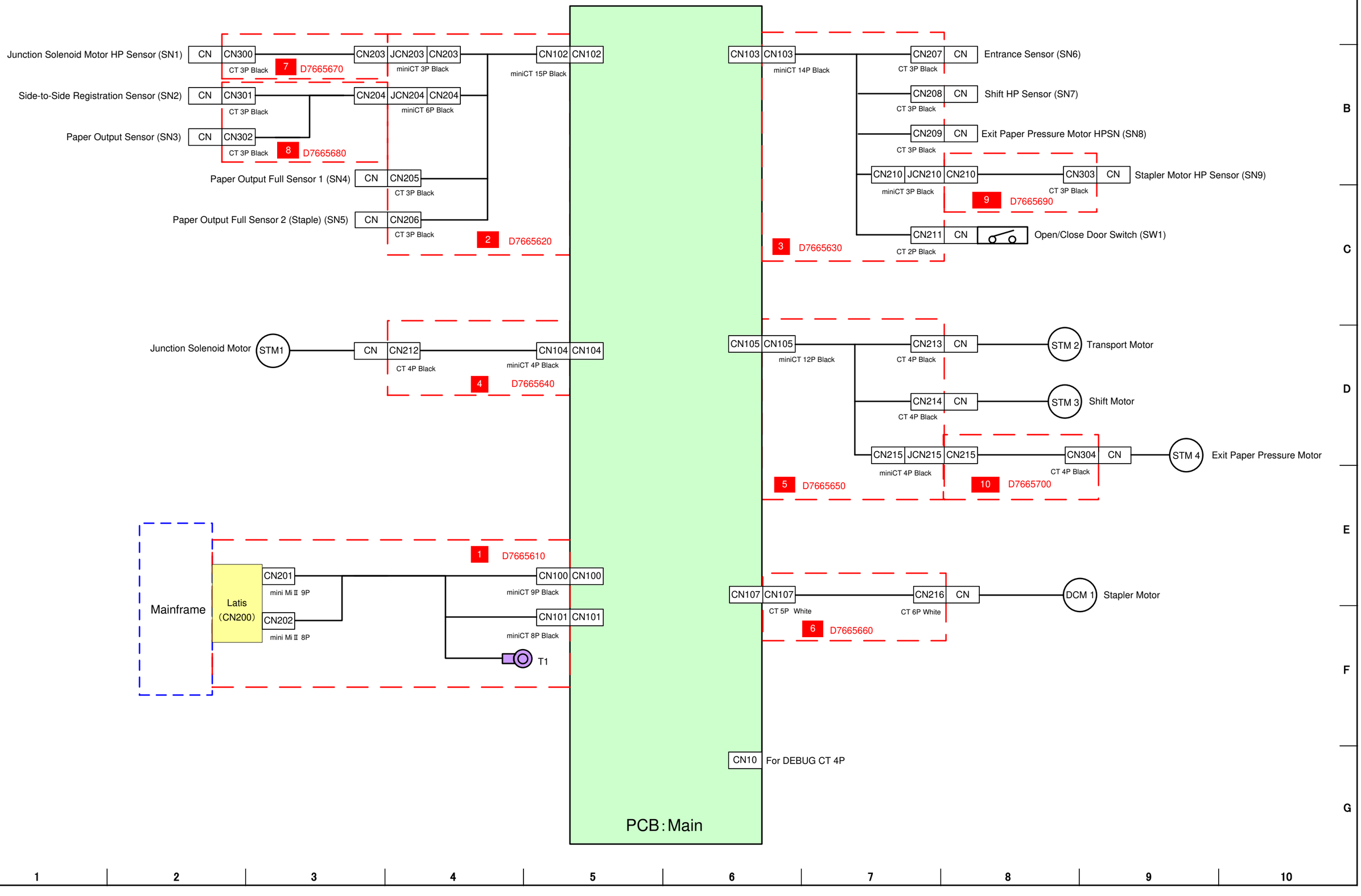


d7160201

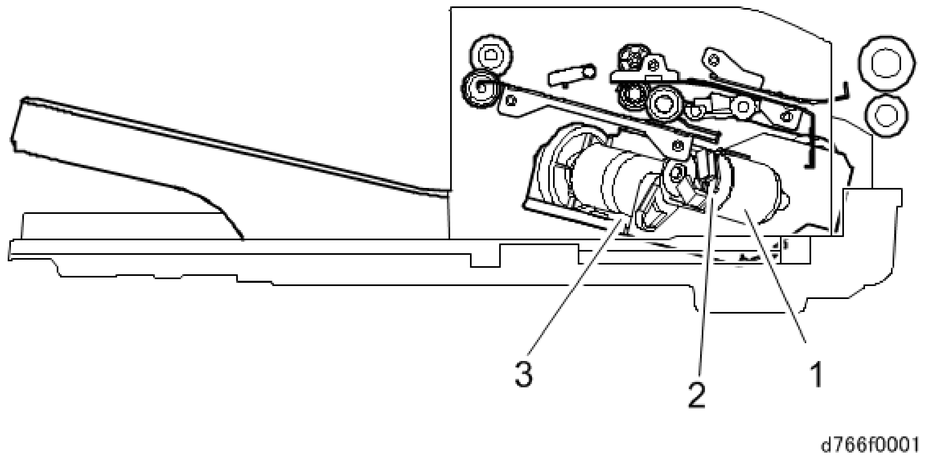
Fig.6

Symbol	Index No.	Description	P to P
Sensors			
S1	Fig.6-5	Horizontal Registration Movement Unit Home Position Sensor	J1
S2	Fig.6-7	Horizontal Registration Detection Unit Home Position Sensor	K1
S3	Fig.6-1	Punch Unit Pulse Detection Sensor	I1
S4	Fig.5-1	Punch Unit HP Sensor	I1
S5	Fig.6-3	Horizontal Registration Sensor	H1
S6	Fig.6-7	Punch Hopper Full Sensor	G1
S7	Fig.2-3	Paper Output Guide Plate Home Position Sensor	F1
S8	Fig.4-6	Paper Exit Full Sensor	G1
S9	Fig.1-3	Entrance Sensor	D1
S10	Fig.2-2	Strike Roller Home Position Sensor	F1
S11	Fig.2-4	Shift Roller HP Sensor	E1
S12	Fig.3-8	Stapler HP Sensor	D1
S13	Fig.1-2	Transport Sensor	E1
S14	Fig.3-5	Staple Tray Jam Detection Sensor	B1
S15	Fig.3-7	Jogger Fence HP Sensor (front)	B1
S16	Fig.3-2	Jogger Fence HP Sensor (rear)	C1
S17	Fig.4-2	Paper Surface Detection Sensor	A1
S18	Fig.4-1	Paper Bail Home Position Sensor	A1
S19	Fig.3-4	Paper Detection Sensor	C1
Motors			
M1	Fig.6-4	Horizontal Registration Movement Unit Motor	J1
M2	Fig.6-6	Horizontal Registration Detection Unit Motor	K1
M3	Fig.5-2/ Fig.6-2	Punch Motor	K8
M4	Fig.3-6	Jogger Fence Motor (front)	H16
M5	Fig.3-3	Jogger Fence Motor (rear)	H16
M6	Fig.4-3	Paper Bail Motor	I16
M7	Fig.3-9	Stapler Unit(Motor)	B16
M8	Fig.1-4	Transport Motor	C16
M9	Fig.1-5	Paper Output Motor	C16
M10	Fig.1-1	Entrance Motor	F16
M11	-	Shift Motor	E16
M12	Fig.2-5	Paper Exit Guide Plate Motor	D16
M13	Fig.3-1	Stapler Displacement Motor	G16
M14	Fig.2-1	Strike Roller Motor	G16
M15	Fig.4-7	Tray Lift Motor	I16
Switches			
SW1	Fig.4-4	Cover Open/Close Switch	A16
FAN			
FAN1	-	FAN	E16
PCB			
PCB1	Fig.4-5	Control Board	K11

D766 POINT TO POINT DIAGRAM



D766 ELECTRICAL COMPONENT LAYOUT (1/2)



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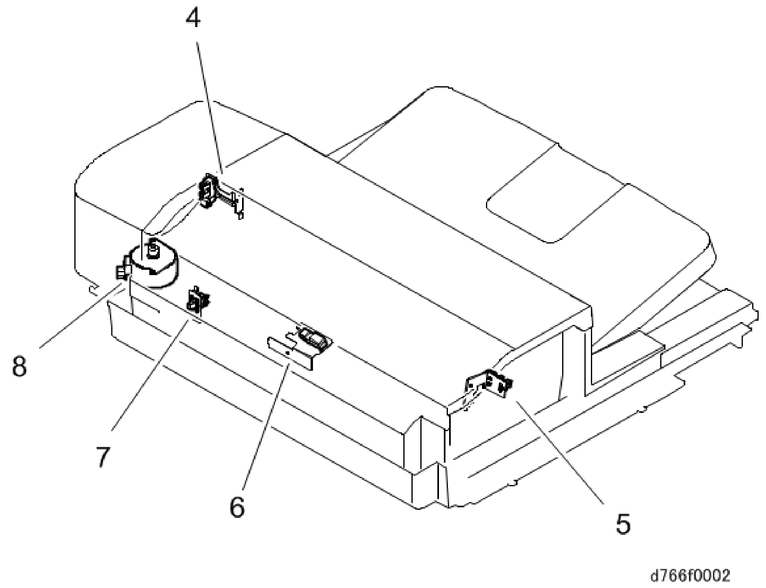
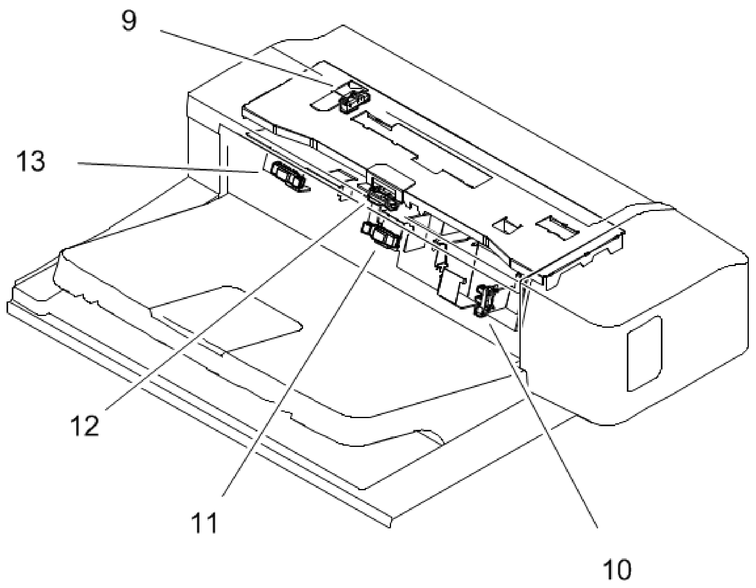
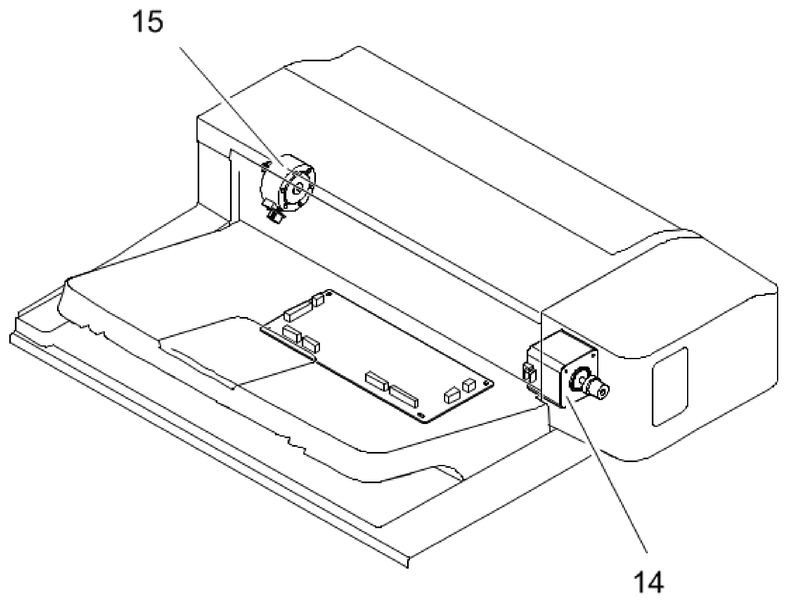


d766f0002



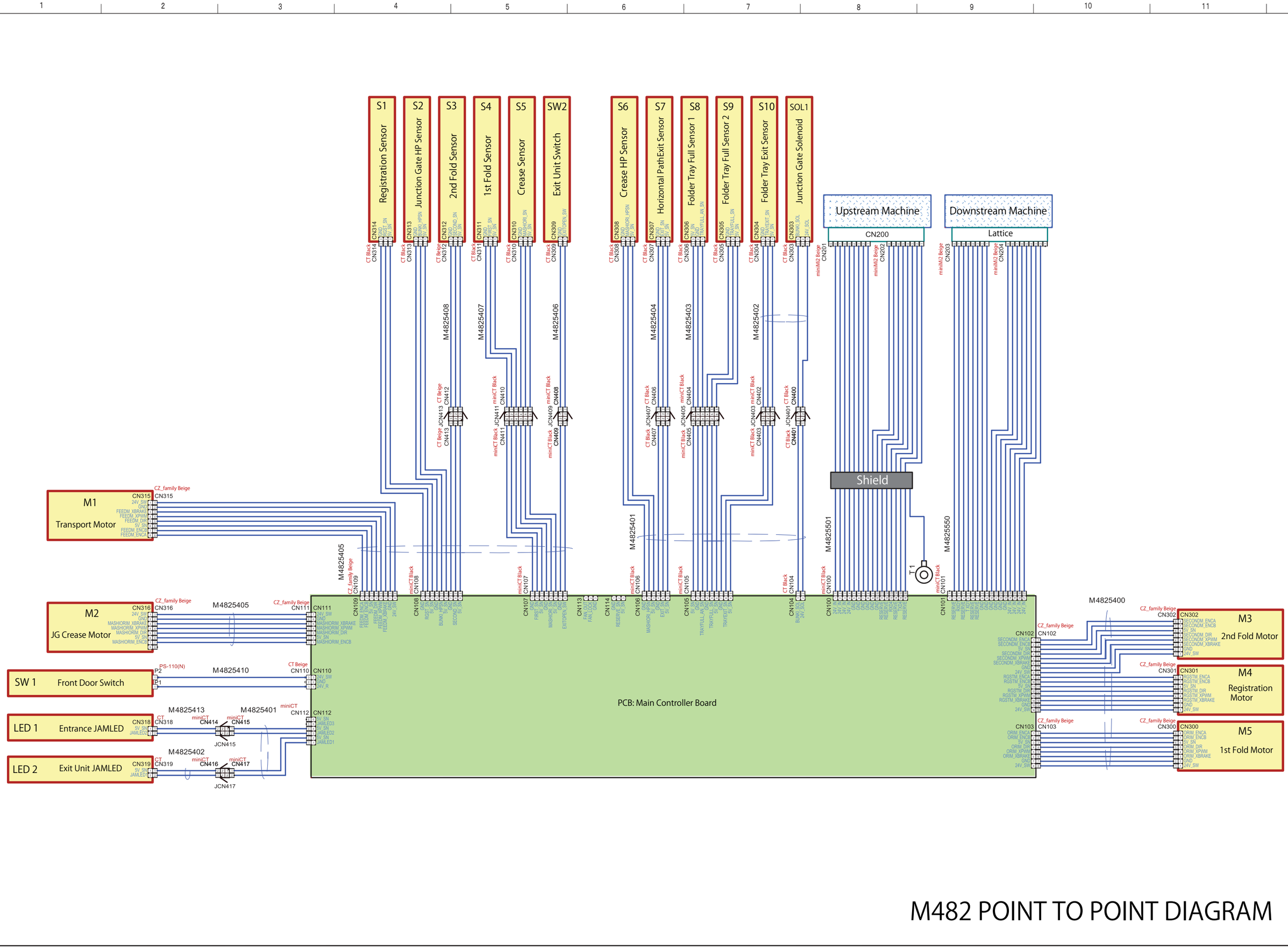
d766f0003



d766f0004

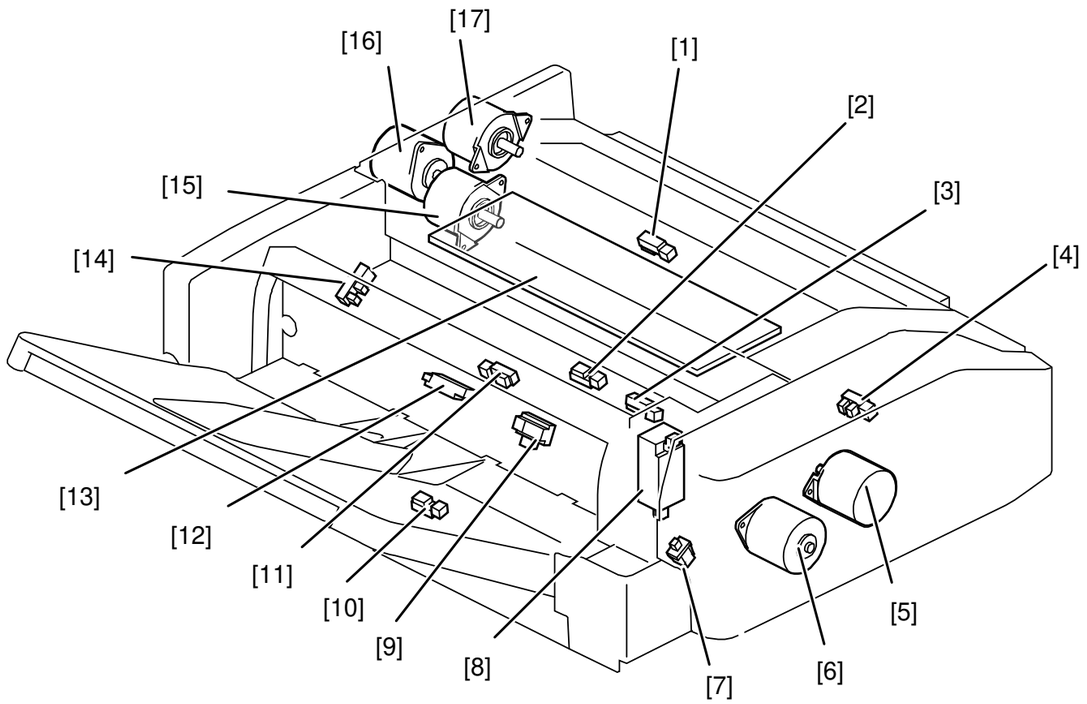
D766 ELECTRICAL COMPONENT LAYOUT (2/2)

Motors			
Symbol	**Index No.**	**Description**	**PtoP**
STM1	15	Junction Solenoid Motor	D3
STM2	14	Transport Motor	D8
STM3	8	Shift Motor	D8
STM4	3	Exit Paper Pressure Motor	D9
DCM1	1	Stapler Motor	E8
Sensors			
Symbol	**Index No.**	**Description**	**PtoP**
SN1	5	Junction Solenoid Motor HP Sensor	B2
SN2	9	Side-to-Side Registration Sensor	B2
SN3	12	Paper Output Sensor	B2
SN4	11	Paper Output Full Sensor 1	B3
SN5	13	Paper Output Full Sensor 2 (Staple)	C3
SN6	6	Entrance Sensor	B8
SN7	4	Shift HP Sensor	B8
SN8	10	Exit Paper Pressure Motor HP Sens	B8
SN9	2	Stapler Motor HP Sensor	B9
Switchs			
Symbol	**Index No.**	**Description**	**PtoP**
SW1	7	Open/Close Door SW	C8



M482 POINT TO POINT DIAGRAM

M482 ELECTRICAL COMPONENT LAYOUT



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Symbol	Index No.	Description	P to P
Sensors			
S1	1	Registration Sensor	B4
S2	4	Junction Gate HP Sensor	B4
S3	-	2nd Fold Sensor	B5
S4	2	1st Fold Sensor	B5
S5	3	Crease Sensor	B5
S6	14	Crease HP Sensor	B6
S7	10	Horizontal PathExit Sensor	B6
S8	12	Folder Tray Full Sensor 1	B7
S9	9	Folder Tray Full Sensor 2	B7
S10	11	Folder Tray Exit Sensor	B7
Motors			
M1	6	Transport Motor	E1
M2	5	JG Crease Motor	F1
M3	15	2nd Fold Motor	F11
M4	17	Registration Motor	F11
M5	16	1st Fold Motor	G11
Switches			
SW1	-	Front Door Switch	F1
SW2	7	Exit Unit Switch	B5
Solenoid			
SOL1	8	Junction Gate Solenoid	B7
LED			
LED1	-	Entrance JAMLED	G1
LED2	-	Exit Unit JAMLED	G1
PCB			
PCB1	13	Main Controller Board	F6