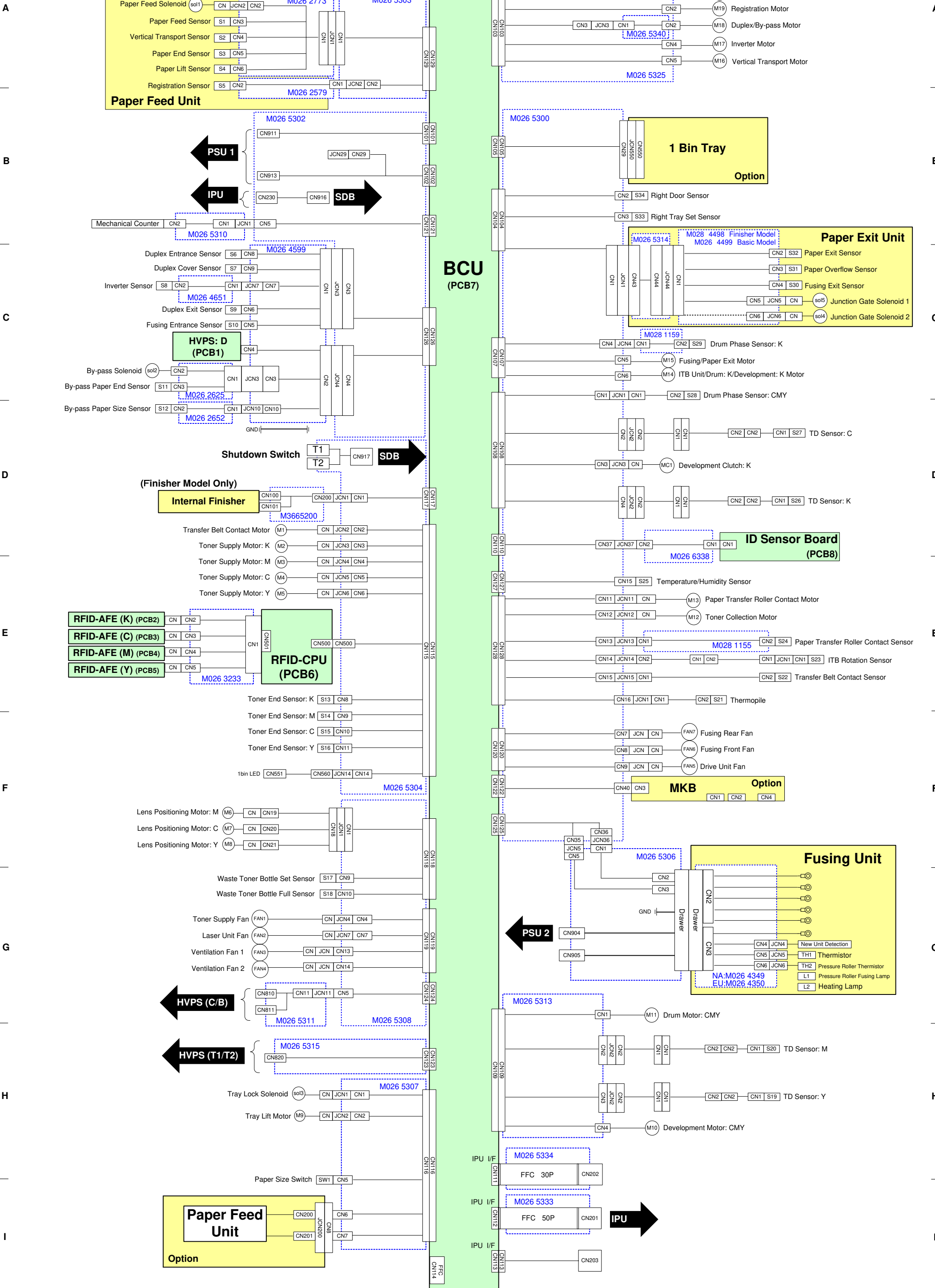


M022/M024/M026/M028 POINT TO POINT DIAGRAM and Harnesses(1/2)



[illegible]

Pin Assignment (BCU)

Connector (FROM)			Signal Information				Connector (TO)			
No	To Connector	Pin No	Signal Name	Direction	L	H	No	To Connector	Pin No	
CN129	BCU CN129	1	Paper Feed Solenoid:+24VS2	P			CN1	Paper Feed Unit	14	
		2	Paper Feed Solenoid:Control	→	ON	OFF			13	
		3	Paper Feed Sensor:GND	G					12	
		4	Paper Feed Sensor:Output	←	Detect	Not Detect			11	
		5	Paper Feed Sensor:+5V	P					10	
		6	Vertical Transport Sensor:GND	G					9	
		7	Vertical Transport Sensor:Output	←	Detect	Not Detect			8	
		8	Vertical Transport Sensor:+5V	P					7	
		9	Paper End Sensor:GND	G					6	
		10	Paper End Sensor:Output	←	Detect	Not Detect			5	
		11	Paper End Sensor:+5V	P					4	
		12	Paper Lift Sensor:GND	G					3	
		13	Paper Lift Sensor:Output	←	Detect	Not Detect			2	
		14	Paper Lift Sensor:+5V	P					1	
		15	Registration Sensor:GND	G			JCN2		3	
		16	Registration Sensor:Output	←	Detect	Not Detect			2	
		17	Registration Sensor:+5V	P					1	
JCN1	M0265303 CN1	1	Paper Feed Solenoid:+24VS2	P			JCN2	Paper Feed Solenoid	1	
		2	Paper Feed Solenoid:Control	→	ON	OFF			2	
		3	Paper Feed Sensor:GND	G			CN3	Paper Feed Sensor	3	
		4	Paper Feed Sensor:Output	←	Detect	Not Detect			2	
		5	Paper Feed Sensor:+5V	P					1	
		6	Vertical Transport Sensor:GND	G			CN4	Paper Feed Sensor	3	
		7	Vertical Transport Sensor:Output	←	Detect	Not Detect			2	
		8	Vertical Transport Sensor:+5V	P					1	
		9	Paper End Sensor:GND	G			CN5	Paper End Sensor	3	
		10	Paper End Sensor:Output	←	Detect	Not Detect			2	
		11	Paper End Sensor:+5V	P					1	
		12	Paper Lift Sensor:GND	G			CN6	Paper Lift Sensor	3	
		13	Paper Lift Sensor:Output	←	Detect	Not Detect			2	
		14	Paper Lift Sensor:+5V	P					1	
CN1	M0265303 JCN2	1	Registration Sensor:GND	G			CN2	Registration Sensor	3	
		2	Registration Sensor:Output	←	Detect	Not Detect			2	
		3	Registration Sensor:+5V	P					1	
CN101	BCU CN101	1	24VS1	P			CN911	PSU	1	
		2	24VS1	P					2	
		3	GND	G					3	
		4	GND	G					4	
		5	5V	P					8	
		6	GND	G					9	
		7	24VS2	P					5	
		8	24VS2	P					6	
		9	GND	G					7	
		10	24V	P					10	
		11	24V	P					11	
JCN29	Relay Jig	1	Relay Jig(24V)	P			CN913	PSU	13	
		2	GND	G					12	
		3	Relay Jig(trigger)	→					11	
CN102	BCU CN102	1	5VE(For 1bin unit)	P					10	
		2	PSU Cooling Fan Control Signal	→	OFF	ON			9	
		3	Tray Heater Relay Trigger	→	OFF	ON			8	
		4	Fusing Lamp Relay Trigger	→					7	
		5	Heating lamp:Triac:Control:Edge	→					6	
		6	Heating lamp:Triac:Control:Edge	→					5	
		7	Heating lamp:Triac:Control:Center	→					4	
		8	Zero-cross Signal	←	Detect	Not Detect			3	
		9	GND	G					2	
		10	24VS(For Fusing Lamp Relay)	P					1	
CN126	BCU CN126	A1	Duplex Entrance Sensor:GND	G			JCN3	Duplex Entrance Sensor	15	
		A2	Duplex Entrance Sensor:Output	←	Detect	Not Detect			14	
		A3	Duplex Entrance Sensor:5V	P					13	
		A4	Duplex Cover Sensor:GND	G					Duplex Cover Sensor	12
		A5	Duplex Cover Sensor:Output	←	Open	Close				11
		A6	Duplex Cover Sensor:+5V	P				10		
		A7	Inverter Sensor:GND	G				Inverter Sensor	9	
		A8	Inverter Sensor:Output	←	Detect	Not Detect			8	
		A9	Inverter Sensor:+5V	P					7	
		A10	Duplex Exit Sensor:GND	G				Duplex Exit Sensor	6	
		A11	Duplex Exit Sensor:Output	←	Detect	Not Detect	5			
		A12	Duplex Exit Sensor:+5V	P			4			
		A13	Fusing Entrance Sensor:GND	G			Fusing Entrance Sensor	3		
		A14	Fusing Entrance Sensor:Output	←	Detect	Not Detect		2		
		A15	Fusing Entrance Sensor:+5V	P				1		
		B1	HVPS:D:SC Detection	←	Trouble	Normal	JCN4	HVPS(D)	14	
		B2	HVPS:D:Separation PWM	→	OFF	ON			13	
		B3	HVPS:D:GND	G					12	
		B4	HVPS:D:24VS2	P					11	
		B5	By-pass Solenoid:+24VS2	P					10	
		B6	By-pass Solenoid:Control	→	ON	OFF		9		
		B7	By-pass Paper End Sensor:GND	G				By-pass Paper End Sensor	8	
		B8	By-pass Paper End Sensor:Output	←	Not End	End			7	
		B9	N.C.	N					6	
		B10	By-pass Paper Size Sensor:2	←				By-pass Paper Size Sensor	5	
B11	By-pass Paper Size Sensor:1	←			4					
B12	By-pass Paper Size Sensor:GND	G			3					
B13	By-pass Paper Size Sensor:4	←			2					
B14	By-pass Paper Size Sensor:3	←			1					
B15	N.C.	N								
CN916	SDB CN916	1	GND	G			CN230	IPU	5	
		2	AC Switch ON	→	SW ON				4	
		3	5VE	P					3	
		4	DC Relay ON	←	Relay ON				2	
		N.C.	N.C.	N					1	
CN121	BCU CN121	1	Mechanical Counter:+24V	P			CN1	Mechanical Counter:Relay	2	
		2	Mechanical Counter:Control	G					1	
		3	N.C.	N						
		4	N.C.	N						
		5	N.C.	N						
JCN1	CN5	1	Mechanical Counter:+24V	P			CN2	Mechanical Counter	2	
		2	Mechanical Counter:Control	G					1	
CN1	M0265302 JCN3	1	Duplex Entrance Sensor:GND	G			CN8	Duplex Entrance Sensor	3	
		2	Duplex Entrance Sensor:Output	←	Detect	Not Detect			2	
		3	Duplex Entrance Sensor:5V	P			CN9	Duplex Cover Sensor	3	
		4	Duplex Cover Sensor:GND	G					2	
		5	Duplex Cover Sensor:Output	←	Open	Close	1			
		6	Duplex Cover Sensor:+5V	P			JCN7	Inverter Sensor	3	
		7	Inverter Sensor:GND	G					2	
		8	Inverter Sensor:Output	←	Detect	Not Detect			1	
		9	Inverter Sensor:5V	P			CN6	Duplex Exit Sensor	3	
		10	Duplex Exit Sensor:GND	G					2	
		11	Duplex Exit Sensor:Output	←	Detect	Not Detect			1	
		12	Duplex Exit Sensor:+5V	P			CN5	Fusing Entrance Sensor	3	
		13	Fusing Entrance Sensor:GND	G					2	
		14	Fusing Entrance Sensor:Output	←	Detect	Not Detect			1	
		15	Fusing Entrance Sensor:+5V	P						
CN2	M0265302 JCN4	1	HVPS:D:SC Detection	←	Trouble	Normal	CN4	HVPS(D)	4	
		2	HVPS:D:Separation PWM	→	OFF	ON			3	
		3	HVPS:D:GND	G					2	
		4	HVPS:D:24VS2	P					1	
		5	By-pass Solenoid:+24VS2	P			JCN3	By-pass Tray	4	
		6	By-pass Solenoid:Control	→	ON	OFF			3	
		7	By-pass Paper End Sensor:GND	G					2	
		8	By-pass Paper End Sensor:Output	←	Not End	End			1	
		9	N.C.	N			JCN10	By-pass Paper Size Sensor	5	
		10	By-pass Paper Size Sensor:2	←					4	
		11	By-pass Paper Size Sensor:1	←					3	
		12	By-pass Paper Size Sensor:GND	G					2	
		13	By-pass Paper Size Sensor:4	←					1	
		14	By-pass Paper Size Sensor:3	←						
CN1	M0264599 JCN7	1	Inverter Sensor:GND	G			CN2	Inverter Sensor	3	
		2	Inverter Sensor:Output	←	Detect	Not Detect			2	
		3	Inverter Sensor:+5V	P					1	
CN1	M0264599 JCN3	1	By-pass Solenoid:+24VS2	P			CN2	By-pass Solenoid	4	
		-	N.C.	N					3	
		-	N.C.	N					2	
		2	By-pass Solenoid:Control	→	ON	OFF			1	
		3	By-pass Paper End Sensor:Output	G						
4	By-pass Paper End Sensor:GND	←	Not End	End	CN3	By-pass Paper End Sensor	2			
5	By-pass Paper End Sensor:Output	←					1			
CN1	JCN10	1	By-pass Paper Size Sensor:2	←			CN2	By-pass Paper Size Sensor	6	
		2	By-pass Paper Size Sensor:1	←					5	
		-	N.C.	N					4	
		3	By-pass Paper Size Sensor:GND	←					3	
		4	By-pass Paper Size Sensor:4	←					2	
5	By-pass Paper Size Sensor:3	←			1					

Connector (FROM)			Signal Information				Connector (TO)				
No	To Connector	Pin No	Signal Name	Direction	L	H	No	To Connector	Pin No		
CN917	SDB	1	AC Switch ON	←			T1	Shutdown SW			
		2	GND	G			T2				
CN117	BCU CN117	1	Finisher:RXD	←			JCN1	Finisher	12		
		2	Finisher:TXD	→					11		
		3	Finisher:GND(5V)	G					10		
		4	Finisher:GND(5V)	G					9		
		5	Finisher:GND(24V)	G					8		
		6	Finisher:GND(24V)	G					7		
		7	Finisher:GND(24V)	G					6		
		8	Finisher:GND(24V)	G					5		
		9	Finisher:24V	P					4		
		10	Finisher:24V	P					3		
		11	Finisher:24V	P					2		
		12	Finisher:24V	P					1		
CN115	BCU CN115	1	Transfer Belt Contact Motor:OUT1A	→	OFF	ON	JCN2	Transfer Belt Contact Motor	2		
		2	Transfer Belt Contact Motor:OUT1B	→	OFF	ON			1		
		3	Toner Supply Motor:K:OUT1A	→	OFF	ON	JCN3	Toner Supply Motor:K	2		
		4	Toner Supply Motor:K:OUT1B	→	OFF	ON			1		
		5	Toner Supply Motor:M:OUT2A	→	OFF	ON	JCN4	Toner Supply Motor:M	2		
		6	Toner Supply Motor:M:OUT2B	→	OFF	ON			1		
		7	Toner Supply Motor:C:OUT1A	→	OFF	ON	JCN5	Toner Supply Motor:C	2		
		8	Toner Supply Motor:C:OUT1B	→	OFF	ON			1		
		9	Toner Supply Motor:Y:OUT2A	→	OFF	ON	JCN6	Toner Supply Motor:Y	2		
		10	Toner Supply Motor:Y:OUT2B	→	OFF	ON			1		
		11	RFID:GND	G			CN500	RFID	6		
		12	RFID:+5V	P					5		
		13	RFID:TXD	→					4		
		14	RFID:RXD	←					3		
		15	RFID:Reset	→	Reset	Not Reset			2		
		16	RFID:GND	G					1		
		17	Toner End Sensor:K:GND	G					CN8	Toner End Sensor:K	3
		18	Toner End Sensor:K:Output	←	Toner Empty	Toner Remaining					2
		19	Toner End Sensor:K:+5V_TE	P					CN9	Toner End Sensor:M	1
		20	Toner End Sensor:M:GND	G							3
		21	Toner End Sensor:M:Output	←	Toner Empty	Toner Remaining	CN10	Toner End Sensor:C	2		
		22	Toner End Sensor:M:+5V_TE	P					1		
		23	Toner End Sensor:C:GND	G			CN11	Toner End Sensor:Y	3		
		24	Toner End Sensor:C:Output	←	Toner Empty	Toner Remaining			2		
		25	Toner End Sensor:C:+5V_TE	P			CN14	1bin:LED	2		
		26	Toner End Sensor:Y:GND	G					1		
		27	Toner End Sensor:Y:Output	←	Toner Empty	Toner Remaining					
		28	Toner End Sensor:Y:+5V_TE	P							
		29	1bin Unit:LED:5VE	P							
		30	1bin Unit:LED:Control	→	OFF	ON					
		31	N.C.	N							
		32	N.C.	N							
CN200	JCN1	1	Finisher:RXD	←			CN101	Finisher	7		
		2	Finisher:TXD	→					5		
		3	Finisher:GND(5V)	G			CN100		2		
		4	Finisher:GND(5V)	G					1		
		5	Finisher:GND(24V)	G					9		
		6	Finisher:GND(24V)	G					8		
		7	Finisher:GND(24V)	G					7		
		8	Finisher:GND(24V)	G					6		
		9	Finisher:24V	P					5		
		10	Finisher:24V	P					4		
		11	Finisher:24V	P					3		
		12	Finisher:24V	P					2		
CN1	RFID CN501	1	GND	G			CN2	RFID	5		
		2	AFE_TXD	→					4		
		3	AFE_RXD	←			CN3		3		
		4	CLK_3	→					2		
		5	5V	P					1		
		6	GND	G					5		
		7	AFE_TXD	→					4		
		8	AFE_RXD	←					3		
		9	CLK_2	→					2		
		10	5V	P					1		
		11	GND	G					CN4		5
		12	AFE_TXD	→							4
		13	AFE_RXD	←			CN5		3		
		14	CLK_1	→					2		
		15	5V	P					1		
		16	GND	G					5		
		17	AFE_TXD	→					4		
		18	AFE_RXD	←					3		
		19	CLK_0	→					2		
		20	5V	P					1		
CN560	JCN14	1	1bin Unit:LED:5VE	P			CN551	1bin:LED	2		
		2	1bin Unit:LED:Control	→	OFF	ON			1		
CN118	BCU CN118	1	Lens Positioning Motor:M/A Phase	→	Excite OFF	Excite ON	JCN1	Lens Positioning Motor	15		
		2	Lens Positioning Motor:M/B Phase	→	Excite OFF	Excite ON			14		
		3	Lens Positioning Motor:M:+24V	P					13		
		4	Lens Positioning Motor:M/B Phase	→	Excite OFF	Excite ON			12		
		5	Lens Positioning Motor:M/A Phase	→	Excite OFF	Excite ON			11		
		6	Lens Positioning Motor:C/A Phase	→	Excite OFF	Excite ON			10		
		7	Lens Positioning Motor:C/B Phase	→	Excite OFF	Excite ON			9		
		8	Lens Positioning Motor:C:+24V	P					8		
		9	Lens Positioning Motor:C/B Phase	→	Excite OFF	Excite ON			7		
		10	Lens Positioning Motor:C/A Phase	→	Excite OFF	Excite ON			6		
		11	Lens Positioning Motor:Y/A Phase	→	Excite OFF	Excite ON			5		
		12	Lens Positioning Motor:Y/B Phase	→	Excite OFF	Excite ON			4		
		13	Lens Positioning Motor:Y:+24V	P					3		
		14	Lens Positioning Motor:Y/B Phase	→	Excite OFF	Excite ON			2		
		15	Lens Positioning Motor:Y/A Phase	→	Excite OFF	Excite ON			1		
		CN119	BCU CN119	16	Toner Collection Bottle Set Sensor:Setting Detection	←			Set	Not Set	CN9
17	Toner Collection Bottle Set Sensor:GND			G			CN10	Toner Collection Bottle Full Sensor	1		
18	Toner Collection Bottle Full Sensor:GND			G					3		
19	Toner Collection Bottle Full			←	Normal	Trouble	2				
20	Toner Collection Bottle Full Sensor:5V			P					1		
1	Development Fan 1:Control			→	OFF	ON	CN13	Development Fan 1	3		
2	Development Fan 1:Locking Detection			←	Normal	Trouble			2		
3	Development Fan 1:GND			G			CN14	Development Fan 2	1		
4	Development Fan 2:Control			→	OFF	ON			3		
5	Development Fan 2:Locking Detection			←	Normal	Trouble	2				
6	Development Fan 2:GND			G					1		
7	Laser Unit Fan:Control			→	OFF	ON					
8	Laser Unit Fan:Locking Detection			←	Normal	Trouble					
9	Laser Unit Fan:GND			G							
10	Toner Supply Fan:Control			→	OFF	ON	JCN7	Toner Supply Fan	3		
11	Toner Supply Fan:Locking Detection			←	Normal	Trouble			2		
CN124	BCU CN124	12	Toner Supply Fan:GND	G			JCN4	N.C.	1		
		13	N.C.	N					3		
		14	N.C.	N					2		
		15	N.C.	N					1		
		1	HVPS:C/B:SC Detection	←	Trouble	Normal	CN5	HVPS:C/B	11		
		2	HVPS:C/B:Charge AC:FB:K	←					10		
		3	HVPS:C/B:Charge AC:FB:C	←					9		
		4	HVPS:C/B:Charge AC:FB:M	←					8		
5	HVPS:C/B:Charge AC:FB:Y	←			7						
6	HVPS:C/B:Development:PWM:K	→	OFF	ON	6						
7	HVPS:C/B:Development:PWM:M	→	OFF	ON	5						
8	HVPS:C/B:Development:PWM:C	→	OFF	ON	4						
9	HVPS:C/B:Development:PWM:Y	→	OFF	ON	3						
10	HVPS:C/B:GND	G			2						
11	HVPS:C/B:+24VS2	P			1						
12	HVPS:C/B:Charge AC:PWM:K	→	OFF	ON	21						
13	HVPS:C/B:Charge AC:PWM:C	→	OFF	ON	22						
14	HVPS:C/B:Charge AC:PWM:M	→	OFF	ON	20						
15	HVPS:C/B:Charge AC:PWM:Y	→	OFF	ON	19						
16	HVPS:C/B:Charge AC:Torigger	→	OFF	ON	18						
17	HVPS:C/B:Charge AC:Basis CLK	→			17						
18	HVPS:C/B:Charge DC:PWM:K	→	OFF	ON	16						
19	HVPS:C/B:Charge DC:PWM:M	→	OFF	ON	15						
20	HVPS:C/B:Charge DC:PWM:M	→	OFF	ON	14						
21	HVPS:C/B:Charge DC:PWM:Y	→	OFF	ON	13						
22	N.C.	N					12				

Connector (FROM)			Signal Information				Connector (TO)		
No	To Connector	Pin No	Signal Name	Direction	L	H	No	To Connector	Pin No
CN18	JCN1	1	Lens Positioning Motor:M/A Phase	→	Excite OFF	Excite ON	CN19	Lens Positioning Motor:M	5
		2	Lens Positioning Motor:M/B Phase	→	Excite OFF	Excite ON			4
		3	Lens Positioning Motor:M:+24V	P					3
		4	Lens Positioning Motor:M:B Phase	→	Excite OFF	Excite ON			2
		5	Lens Positioning Motor:M:A Phase	→	Excite OFF	Excite ON			1
		6	Lens Positioning Motor:C/A Phase	→	Excite OFF	Excite ON	CN20	Lens Positioning Motor:C	5
		7	Lens Positioning Motor:C/B Phase	→	Excite OFF	Excite ON			4
		8	Lens Positioning Motor:C:+24V	P					3
		9	Lens Positioning Motor:C:B Phase	→	Excite OFF	Excite ON			2
		10	Lens Positioning Motor:C:A Phase	→	Excite OFF	Excite ON			1
		11	Lens Positioning Motor:Y/A Phase	→	Excite OFF	Excite ON	CN21	Lens Positioning Motor:Y	5
		12	Lens Positioning Motor:Y/B Phase	→	Excite OFF	Excite ON			4
		13	Lens Positioning Motor:Y:+24V	P					3
		14	Lens Positioning Motor:Y:B Phase	→	Excite OFF	Excite ON			2
		15	Lens Positioning Motor:Y:A Phase	→	Excite OFF	Excite ON			1
JCN11	CN5	1	HVPS:C/B:SC Detection	←	Trouble	Normal	C810	HVPS:C/B	11
		2	HVPS:C/B:Charge AC:FB:K	←					10
		3	HVPS:C/B:Charge AC:FB:C	←					9
		4	HVPS:C/B:Charge AC:FB:M	←					8
		5	HVPS:C/B:Charge AC:FB:Y	←					7
		6	HVPS:C/B:Development:PWM:K	→	OFF	ON			6
		7	HVPS:C/B:Development:PWM:C	→	OFF	ON			5
		8	HVPS:C/B:Development:PWM:M	→	OFF	ON			4
		9	HVPS:C/B:Development:PWM:Y	→	OFF	ON			3
		10	HVPS:C/B:GND	G					2
		11	HVPS:C/B:+24VS2	P					1
		12	HVPS:C/B:Charge AC:PWM:K	→	OFF	ON	C811		10
		13	HVPS:C/B:Charge AC:PWM:C	→	OFF	ON			9
		14	HVPS:C/B:Charge AC:PWM:M	→	OFF	ON			8
		15	HVPS:C/B:Charge AC:PWM:Y	→	OFF	ON			7
		16	HVPS:C/B:Charge AC:Trigiger	→	OFF	ON			6
		17	HVPS:C/B:Charge AC:Basis CLK	→					5
		18	HVPS:C/B:Charge DC:PWM:K	→	OFF	ON			4
		19	HVPS:C/B:Charge DC:PWM:C	→	OFF	ON			3
		20	HVPS:C/B:Charge DC:PWM:M	→	OFF	ON			2
		21	HVPS:C/B:Charge DC:PWM:Y	→	OFF	ON			1
		22	N.C	N					
CN123	BCU CN123	1	HVPS:T1/T2:SC Detection	←	Trouble	Normal	CN820	HVPS:T1/T2	10
		2	HVPS:T2:Paper Transfer:-FB	←					9
		3	HVPS:T2:Paper Transfer:-PWM	→	OFF	ON			8
		4	HVPS:T2:Paper Transfer+PWM	→	OFF	ON			7
		5	HVPS:T1:Image Transfer:PWM:K	→	OFF	ON			6
		6	HVPS:T1:Image Transfer:PWM:C	→	OFF	ON			5
		7	HVPS:T1:Image Transfer:PWM:M	→	OFF	ON			4
		8	HVPS:T1:Image Transfer:PWM:Y	→	OFF	ON			3
		9	HVPS:T1/T2:GND	G					2
		10	HVPS:T1/T2:24VS2	P					1
CN116	BCU CN116	A1	Tray Lock Solenoid:+24V	P			JCN1	Tray Lock Solenoid	2
		A2	Tray Lock Solenoid:Control	→	OFF	ON			1
		A3	Tray Lift Motor:OUT1A	→	OFF	ON	JCN2	Tray Lift Motor	2
		A4	Tray Lift Motor:OUT2A	→	OFF	ON			1
		A5	Paper Height Sensor1:GND	G			CN3	Paper Height Sensor1	3
		A6	Paper Height Sensor1:Output	←					2
		A7	Paper Height Sensor1:+5V	P			CN4	Paper Height Sensor2	3
		A8	Paper Height Sensor2:GND	G					2
		A9	Paper Height Sensor2:Output	←			CN5	Paper Size Switch	5
		A10	Paper Height Sensor2:+5V	P					4
		A11	Paper Size Sensor1	←			CN6	Paper Feed Unit(Optional)	8
		A12	Paper Size Sensor2	←					7
		A13	Paper Size Sensor3	←			CN7		6
		A14	Paper Size Sensor:GND	G					5
		A15	Paper Size Sensor4	←			CN200	N.C.	8
		A16	N.C.	P					7
		B1	N.C	N			CN201		6
		B2	Paper Feed Unit:RXD	←					5
		B3	Paper Feed Unit:TXD	→			CN1	Paper Feed Motor	6
		B4	Paper Feed Unit:GND	G					5
		B5	Paper Feed Unit:+5V	P			CN2	Registration Motor	6
		B6	Paper Feed Unit:GND	G					5
		B7	Paper Feed Unit:GND	G			JCN3	Duplex/By-pass Motor	6
		B8	Paper Feed Unit:GND	G					5
		B9	Paper Feed Unit:GND	G			CN4	Inverter Motor	6
		B10	Paper Feed Unit:GND	G					5
		B11	Paper Feed Unit:+24V	P			CN5	Vertical Transport Motor	6
		B12	Paper Feed Unit:+24V	P					5
		B13	Paper Feed Unit:+24V	P			CN6	Interlock SW	1
		B14	Paper Feed Unit:+24V	P					1
		B15	Paper Feed Unit:+24V	P			CN7		2
		B16	N.C.	N					2
JCN200	CN8	1	N.C	N			CN200	N.C.	8
		2	Paper Feed Unit:RXD	←					7
		3	Paper Feed Unit:TXD	→			CN201		6
		4	Paper Feed Unit:GND	G					5
		5	Paper Feed Unit:+5V	P			CN1	Paper Feed Motor	6
		6	Paper Feed Unit:GND	G					5
		7	Paper Feed Unit:GND	G			CN2	Registration Motor	6
		8	Paper Feed Unit:GND	G					5
		9	Paper Feed Unit:GND	G			JCN3	Duplex/By-pass Motor	6
		10	Paper Feed Unit:GND	G					5
		11	Paper Feed Unit:+24V	P			CN4	Inverter Motor	6
		12	Paper Feed Unit:+24V	P					5
		13	Paper Feed Unit:+24V	P			CN5	Vertical Transport Motor	6
		14	Paper Feed Unit:+24V	P					5
		15	Paper Feed Unit:+24V	P			CN6	Interlock SW	1
-	N.C.	N			1				
CN103	BCU CN103	1	Paper Feed Motor:B Phase	→	OFF	ON	CN1	Paper Feed Motor	6
		2	Paper Feed Motor:A Phase	→	OFF	ON			5
		3	Paper Feed Motor:B Phase	→	OFF	ON			4
		4	Paper Feed Motor:A Phase	→	OFF	ON			3
		-	N.C.	N					2
		-	N.C.	N			CN2	Registration Motor	6
		5	Registration Motor:B Phase	→	OFF	ON			5
		6	Registration Motor:A Phase	→	OFF	ON			4
		7	Registration Motor:B Phase	→	OFF	ON			3
		8	Registration Motor:A Phase	→	OFF	ON			2
		-	N.C.	N			JCN3	Duplex/By-pass Motor	6
		-	N.C.	N					5
		9	Duplex/By-pass Motor:B Phase	→	OFF	ON			4
		10	Duplex/By-pass Motor:A Phase	→	OFF	ON			3
		11	Duplex/By-pass Motor:B Phase	→	OFF	ON			2
		-	N.C.	N			CN4	Inverter Motor	6
		-	N.C.	N					5
		13	Inverter Motor:B Phase	→	OFF	ON			4
		14	Inverter Motor:A Phase	→	OFF	ON			3
		15	Inverter Motor:B Phase	→	OFF	ON			2
-	N.C.	N			CN5	Vertical Transport Motor	6		
-	N.C.	N					5		
17	Vertical Transport Motor:B Phase	→	OFF	ON			4		
18	Vertical Transport Motor:A Phase	→	OFF	ON			3		
19	Vertical Transport Motor:B Phase	→	OFF	ON			2		
20	Vertical Transport Motor:A Phase	→	OFF	ON			1		
-	N.C.	N							
CN915	PSU	1	24-ON	P			CN6	Interlock SW	1
		2	24-ON	P					1
		3	24VS1	P			CN7		2
		4	24VS2	P					2
CN1	JCN3	1	N.C.	N			CN2	Duplex/By-pass Motor	6
		2	Duplex/By-pass Motor:B Phase	→	OFF	ON			5
		3	Duplex/By-pass Motor:A Phase	→	OFF	ON			4
		4	Duplex/By-pass Motor:B Phase	→	OFF	ON			3
		5	Duplex/By-pass Motor:A Phase	→	OFF	ON			2
		6	N.C.	N					1
CN105	BCU CN105	1	1bin:Junction Gate Solenoid:+24VS1	P			CN29	1bin UNIT	10
		2	1bin:Junction Gate Solenoid:Control	→	ON	OFF			9
		3	1bin:Paper Sensor:GND	G					8
		4	1bin:Paper Sensor:Output	←	Detect	Not Detect			7
		5	1bin:Paper Sensor:+5VE	P					6
		6	1bin:Exit Sensor:GND	G					5
		7	1bin:Exit Sensor:Output	←	Detect	Not Detect			4
		8	1bin:Exit Sensor:+5V	P					3
		9	1bin:Set:Detection	←	Set	Not Set			2
		10	1bin:Set:GND	G					1
		11	N.C	N					

Connector (FROM)			Signal Information				Connector (TO)		
No	To Connector	Pin No	Signal Name	Direction	L	H	No	To Connector	Pin No
CN122	BCU CN122	1	Keycard:+5V	P			CN40	Keycard	13
		2	Keycard:Setting Detection	←	Set	Not Set			12
		3	Keycard:b0 (Size1)	←	Output:L	Output:H			11
		4	Keycard:b1 (Size2)	←	Output:L	Output:H			10
		5	Keycard:b2 (Size3)	←	Output:L	Output:H			9
		6	Keycard:b3 (Size4)	←	Output:L	Output:H			8
		7	Keycard:b4 (Mode1)	←	Output:L	Output:H			7
		8	Keycard:b5 (Mode2)	←	Output:L	Output:H			6
		9	Keycard:b6 (Duplex)	←	Output:L	Output:H			5
		10	Keycard:b7 (Motor)	←	Output:L	Output:H			4
		11	Keycard:GND	G					3
		12	Keycard:Control	→	OFF	ON			2
		13	Keycard:For Accounting+24V	P					1
CN125	BCU CN125	1	Fusing Generational Detection:Generational Detection		First Generation	Second Generation	CN35	Fusing Unit	10
		2	Fusing Generational Detection:GND	G					9
		3	Fusing New Unit Detection:New Unit Detection	←	New Unit	Old Unit			8
		4	Fusing New Unit Detection:GND	G					7
		5	Thermistor:Heating:FB Edge	←					6
		6	Thermistor:Heating:GND	G					5
		7	Thermistor:Heating:FB Edge:Atmospher	←					4
		8	Thermistor:Heating:GND	G					3
		9	Thermistor:Pressure:FB Edge	←					2
		10	Thermistor:Pressure:GND	G					1
		11	N.C.	N					
		12	N.C.	N					
		13	N.C.	N					
		14	N.C.	N					
		15	N.C.	N					
		16	GND	G			JCN36	Fusing Unit	9
		17	Fusing Destination/Machine Detection 2	←					8
		18	Fusing Destination/Machine Detection 3	←					7
		19	Fusing Destination/Machine Detection 4	←					6
		20	Fusing Destination/Machine	G					5
		21	Fusing:Setting Detection	←	Set	Not Set			4
		22	Fusing:Setting Detection:GND	G					3
		23	Fusing Destination/Machine Detection 1	←					2
		24	Fusing Destination/Machine	G					1
JCN550	CN29	1	1bin:Junction Gate Solenoid:+24VS1	P			JCN501	1bin UNIT	2
		2	1bin:Junction Gate Solenoid:Control	→	ON	OFF			1
		3	1bin:Paper Sensor:GND	G					3
		4	1bin:Paper Sensor:Output	←	Detect	Not Detect			2
		5	1bin:Paper Sensor:+5VE	P					1
		6	1bin:Exit Sensor:GND	G			CN503		3
		7	1bin:Exit Sensor:Output	←	Detect	Not Detect			2
		8	1bin:Exit Sensor:+5V	P					1
		9	1bin:Set:Detection	←	Set	Not Set			10
		10	1bin:Set:GND	G					9
CN43	JCN1	1	Paper Exit Sensor:GND	G			JCN44	Paper Exit Unit	13
		2	Paper Exit Sensor:Output	←	Detect	Not Detect			12
		3	Paper Exit Sensor:+5V	P					11
		4	Paper Overflow Sensor:GND	G					10
		5	Paper Overflow Sensor:Output	←	Not Full	Full			9
		6	Paper Overflow Sensor:+5V	P					8
		7	Fusing Exit Sensor:5V	P					7
		8	Fusing Exit Sensor:Output	←	Not Detect	Detect			6
		9	Fusing Exit Sensor:GND	G					5
		10	Junction Gate Solenoid 1:+24VS1	P					4
		11	Junction Gate Solenoid 1:Control	→	ON	OFF			3
		12	Junction Gate Solenoid 2:+24VS1	P					2
		13	Junction Gate Solenoid 2:Control	→	ON	OFF			1
JCN1	CN16	1	Thermopile:N.C	N			CN2	Thermopile	4
		2	Thermopile:+5V	P					3
		3	Thermopile:GND	G					2
CN1	JCN44	4	Thermopile:FB	←			CN2	Paper Exit Sensor	1
		1	Paper Exit Sensor:GND	G					3
		2	Paper Exit Sensor:Output	←	Detect	Not Detect			2
		3	Paper Exit Sensor:+5V	P					1
		4	Paper Overflow Sensor:GND	G			CN3	Paper Overflow Sensor	3
		5	Paper Overflow Sensor:Output	←	Not Full	Full			2
		6	Paper Overflow Sensor:+5V	P					1
		7	Fusing Exit Sensor:5V	P					3
		8	Fusing Exit Sensor:Output	←	Not Detect	Detect			2
		9	Fusing Exit Sensor:GND	G			CN4	Fusing Exit Sensor	1
		10	Junction Gate Solenoid 1:+24VS1	P					2
		11	Junction Gate Solenoid 1:Control	→	ON	OFF			1
		12	Junction Gate Solenoid 2:+24VS1	P					2
		13	Junction Gate Solenoid 2:Control	→	ON	OFF			1
CN1	JCN4	1	Drum Phase Sensor:K:GND	G			CN2	Drum Phase Sensor: K	3
		2	Drum Phase Sensor:K:Output	←	Not Detect	Detect			2
		3	Drum Phase Sensor:K:5V	P					1
CN1	JCN1	1	Drum Phase Sensor:CMY:GND	G			CN2	Drum Phase Sensor: CMY	3
		2	Drum Phase Sensor:CMY:Output	←	Not Detect	Detect			2
		3	Drum Phase Sensor:CMY:5V	P					1
JCN2	CN2	1	N.C.	N			CN1	TD Sensor: C	6
		2	N.C.	N					5
		3	TD Sensor:C:SDA	↔					4
		4	TD Sensor:C:SCL	→	OFF	ON			3
		5	TD Sensor:C:PWM	→					2
		6	TD Sensor:C:5V(For TD Sensor)	P					1
		7	TD Sensor:C:FB	←					
		8	TD Sensor:C:GND	G					
CN1	CN1	6	TD Sensor:C:SDA	↔			CN2	TD Sensor: C	2
		5	TD Sensor:C:SCL	→					1
		4	TD Sensor:C:PWM	→	OFF	ON			3
CN2	CN2	3	TD Sensor:C:5V(For TD Sensor)	P			CN1	TD Sensor: C	4
		2	TD Sensor:C:FB	←					5
		1	TD Sensor:C:GND	G					6
JCN2	JCN2	1	N.C.	N			CN1	TD Sensor: C	6
		2	N.C.	N					5
		3	TD Sensor:K:SDA	↔					4
		4	TD Sensor:K:SCL	→					3
		5	TD Sensor:K:PWM	→	OFF	ON			2
		6	TD Sensor:K:5V(For TD Sensor)	P					1
		7	TD Sensor:K:FB	←					
		8	TD Sensor:K:GND	G					
CN1	CN1	6	TD Sensor:K:SDA	↔			CN2	TD Sensor: C	2
		5	TD Sensor:K:SCL	→					1
		4	TD Sensor:K:PWM	→	OFF	ON			3
		3	TD Sensor:K:5V(For TD Sensor)	P					4
		2	TD Sensor:K:FB	←					5
		1	TD Sensor:K:GND	G					6
		5	TD Sensor:K:SDA	↔			CN1	TD Sensor: C	2
		6	TD Sensor:K:SCL	→					1
		4	TD Sensor:K:PWM	→	OFF	ON			3
CN2	JCN37	3	ID Sensor:FB:Diffused Reflection:Cy	←			CN1	ID Sensor	13
		2	ID Sensor:LED Drive:PWM:Re/Bk	→	OFF	ON			12
		4	ID Sensor:FB:Diffused Reflection:Ce/Cy	←					11
		5	ID Sensor:LED Drive:PWM:Ce/Cy	→	OFF	ON			10
		6	ID Sensor:FB:Diffused Reflection:M	←					9
		7	ID Sensor:FB:Reflection:M	←					8
		8	ID Sensor:LED Drive:PWM:M	→	OFF	ON			7
		9	ID Sensor:FB:Diffused Reflection:Y	←					6
		10	ID Sensor:FB:Reflection:Fr/Y	←					5
		11	ID Sensor:LED Drive:PWM:Fr/Y	→	OFF	ON			4
		12	ID Sensor:GND	G					3
		13	ID Sensor:5V	P					2
CN1	JCN13	1	Paper Transfer Roller Contact	G			CN2	Paper Transfer Roller Contact Sensor	3
		2	Paper Transfer Roller Contact Sensor:Output	←	Contact	Not Contact			2
		3	Paper Transfer Roller Contact	P					1
CN2	JCN14	1	ITB Unit:New Unit Detection	←	Old Unit	New Unit	CN1	ITB Unit	6
		2	ITB Unit:24VS2	P					5
		3	ITB Rotation Sensor:GND	G					4
		4	ITB Rotation Sensor:Output	←					3
		5	ITB Rotation Sensor:5V	P					2
		6	N.C	N					1

Connector (FROM)			Signal Information				Connector (TO)						
No	To Connector	Pin No	Signal Name	Direction	L	H	No	To Connector	Pin No				
CN2	CN1	6	ITB Unit:New Unit Detection	←	Old Unit	New Unit	JCN1	ITB Unit	1				
		5	ITB Unit:24VS2	P					2				
		4	ITB Rotation Sensor:GND	G					3				
		3	ITB Rotation Sensor:Output	←					4				
		2	ITB Rotation Sensor:5V	P					5				
		1	N.C	N					6				
CN1	JCN15	1	Transfer Belt Contact Sensor:GND	G			CN2	Transfer Belt Contact Sensor	3				
		2	Transfer Belt Contact Sensor:Output	←	Not Contact	Contact			2				
		3	Transfer Belt Contact Sensor:+5V	P					1				
CN1	JCN1	1	ITB Unit:New Unit Detection	←	Old Unit	New Unit	CN1	ITB Unit	6				
		2	ITB Unit:24VS2	P					5				
		3	ITB Rotation Sensor:GND	G					4				
		4	ITB Rotation Sensor:Output	←					3				
		5	ITB Rotation Sensor:5V	P					2				
		6	N.C	N					1				
JCN5	CN35	1	Fusing Generational Detection:Generational Detection	←	First Generation	Second Generation	CN2	Fusing Unit	13				
		2	Fusing Generational Detection:GND	G					12				
		3	Fusing New Unit Detection:New Unit Detection	←	New Unit	Old Unit			11				
		4	Fusing New Unit Detection:GND	G					10				
		5	Thermistor:Heating:FB:Edge	←					9				
		6	Thermistor:Heating:GND	G					8				
		7	Thermistor:Heating:FB:Edge:Atmospher	←					7				
		8	Thermistor:Heating:GND	G					6				
		9	Thermistor:Pressure:FB:Edge	←					5				
		10	Thermistor:Pressure:GND	G					4				
			N.C.	N					3				
			N.C.	N					2				
			N.C.	N					1				
		CN1	JCN1	1	GND	G					CN3		1
				2	Fusing:Destination/Machine Detection 2	←							9
				3	Fusing:Destination/Machine Detection 3	←							8
4	Fusing:Destination/Machine Detection 4			←			7						
5	Fusing:Destination/Machine			G			6						
6	Fusing:Setting Detection			←	Set	Not Set	5						
7	Fusing:Setting Detection:GND			G			4						
8	Fusing:Destination/Machine Detection 1			←			3						
9	Fusing:Destination/Machine			G			2						
CN905	PSU	1	Pressure Roller Fusing lamp:L	P			CN4		1				
CN904		3	Heating lamp 1:N(Center)	P					2				
T1	FG		EARTH	FG					3G				
CN905	PSU	2	Pressure Roller Fusing lamp:N	P					4				
		CN904	1	Heating lamp 1:(COMMON)	P				5				
		2	Heating lamp 2:N(Edge)	P					6				
CN3	M0265306 CN4	1	Fusing Generational Detection:Generational Detection	←	First Generation	Second Generation	CN3	Generation Detection	2				
		2	Fusing Generational Detection:GND	G					1				
		3	Fusing New Unit Detection:New Unit Detection	←	New Unit	Old Unit			CN4	New Unit Detection	2		
		4	Fusing New Unit Detection:GND	G			1						
		5	Thermistor:Heating:FB:Edge	←			CN5	Thermistor:Heating:Edge			1		
		6	Thermistor:Heating:GND	G							2		
		7	Thermistor:Heating:FB:Edge:Atmospher	←					Thermistor:Heating:Atmosphere	3			
		8	Thermistor:Heating:GND	G						4			
		9	Thermistor:Pressure:FB:Edge	←						CN6	Thermistor:Pressure	2	
		10	Thermistor:Pressure:GND	G			1						
		11	N.C.	N									
		12	N.C.	N									
		CN2		13	N.C.	N							
9	GND			G				N.C.					
1	Fusing:Destination/Machine Detection 2			←			N.C.	Destination Detection					
2	Fusing:Destination/Machine Detection 3			←			CN2		4				
3	Fusing:Destination/Machine Detection 4			←			N.C.						
4	Fusing:Destination/Machine			G			CN2		2				
5	Fusing:Setting Detection			←	Set	Not Set		Setting Detection	6				
6	Fusing:Setting Detection			G					5				
7	Fusing:Destination/Machine Detection 1			←			Destination Detection	7					
8	Fusing:Destination/Machine	G			8								
CN1		1	Pressure Roller Fusing lamp:N	P			T1	Pressure Roller Fusing lamp					
		2	Heating lamp:L:(COMMON)	P			T2	Heating lamp					
		3G	EARTH	P			T3	EARTH					
		4	Pressure Roller Fusing lamp:L (COMMON)	FG			T4	Pressure Roller Fusing lamp					
		5	Heating lamp 1:N(Center)	P			T5	Heating lamp					
		6	Heating lamp 2:N(Edge)	P			T6						
CN3	M0265306 CN4	1	Fusing Generational Detection:Generational Detection	←	First Generation	Second Generation	CN3	Generation Detection	2				
		2	Fusing Generational Detection:GND	G					1				
		3	Fusing New Unit Detection:New Unit Detection	←	New Unit	Old Unit			CN4	New Unit Detection	2		
		4	Fusing New Unit Detection:GND	G			1						
		5	Thermistor:Heating:FB:Edge	←			CN5	Thermistor:Heating:Edge			1		
		6	Thermistor:Heating:GND	G							2		
		7	Thermistor:Heating:FB:Edge:Atmospher	←					Thermistor:Heating:Atmosphere	3			
		8	Thermistor:Heating:GND	G						4			
		9	Thermistor:Pressure:FB:Edge	←						CN6	Thermistor:Pressure	2	
		10	Thermistor:Pressure:GND	G			1						
		11	N.C.	N									
		12	N.C.	N									
		CN2		13	N.C.	N							
9	GND			G				N.C.					
1	Fusing:Destination/Machine Detection 2			←			N.C.	Destination Detection					
2	Fusing:Destination/Machine Detection 3			←			N.C.		4				
3	Fusing:Destination/Machine Detection 4			←									
4	Fusing:Destination/Machine			G			CN2		2				
5	Fusing:Setting Detection			←	Set	Not Set		Setting Detection	6				
6	Fusing:Setting Detection:GND			G					5				
7	Fusing:Destination/Machine Detection 1			←			Destination Detection	7					
8	Fusing:Destination/Machine	G			8								
CN1		1	Pressure Roller Fusing lamp:N	P			T1	Pressure Roller Fusing lamp					
		2	Heating lamp:L:(COMMON)	P			T2	Heating lamp					
		3G	EARTH	P			T3	EARTH					
		4	Pressure Roller Fusing lamp:L (COMMON)	FG			T4	Pressure Roller Fusing lamp					
		5	Heating lamp 1:N(Center)	P			T5	Heating lamp					
		6	Heating lamp 2:N(Edge)	P			T6						
CN3	BCU CN109	1	Drum Motor:CMY:Gain Change	→	High Speed	Low Speed	CN1	Drum Motor: CMY	12				
		2	Drum Motor:CMY:CLOCK	→					11				
		3	Drum Motor:CMY:Break	→	Brake	Not Brake			10				
		4	Drum Motor:CMY:CW/CCW	→	CCW	CW			9				
		5	Drum Motor:CMY:Start/Stop	→	ON	OFF			8				
		6	Drum Motor:CMY:LOCK	←	Normal	Trouble			7				
		7	Drum Motor:CMY:5V	P					6				
		8	Drum Motor:CMY:GND(5V)	G					5				
		9	Drum Motor:CMY:GND(24V)	G					4				
		10	Drum Motor:CMY:GND(24V)	G					3				
		11	Drum Motor:CMY:24VS1	P					2				
		12	Drum Motor:CMY:24VS1	P					1				
		CN109		13	N.C.	N					CN2	TD Sensor	8
14	N.C.			N			7						
15	TD Sensor:M.SDA			↔			6						
16	TD Sensor:M:SCL			→			5						
17	TD Sensor:M:PWM			→	OFF	ON	4						
18	TD Sensor:M:5V(For TD Sensor)			P			3						
19	TD Sensor:M:FB			←			2						
20	TD Sensor:M:GND			G			1						
21	N.C.			N			CN3	TD Sensor	8				
22	N.C.			N					7				
23	TD Sensor:Y:SDA			↔					6				
24	TD Sensor:Y:SCL			→					5				
25	TD Sensor:Y:PWM			→	OFF	ON			4				
26	TD Sensor:Y:5V(For TD Sensor)			P					3				
27	TD Sensor:Y:FB			←					2				
28	TD Sensor:Y:GND			G					1				
29	Development Motor:CMY:Gain Change			→	High Speed	Low Speed	CN4	Drum Motor: CMY	12				
30	Development Motor:CMY:CLOCK			→					11				
31	Development Motor:CMY:Brake			→	Brake	Not Brake			10				
32	Development Motor:CMY:CW/CCW			→	CCW	CW			9				
33	Development Motor:CMY:Start/Stop	→	ON	OFF	8								
34	Development Motor:CMY:LOCK	←	Normal	Trouble	7								
35	Development Motor:CMY:5V	P			6								
36	Development Motor:CMY:GND(5V)	G			5								
37	Development Motor:CMY:GND(24V)	G			4								
38	Development Motor:CMY:GND(24V)	G			3								
39	Development Motor:CMY:24VS1	P			2								
40	Development Motor:CMY:24VS1	P			1								

Pin Assignment (IPU, CTL, PSU, HVP, etc.)

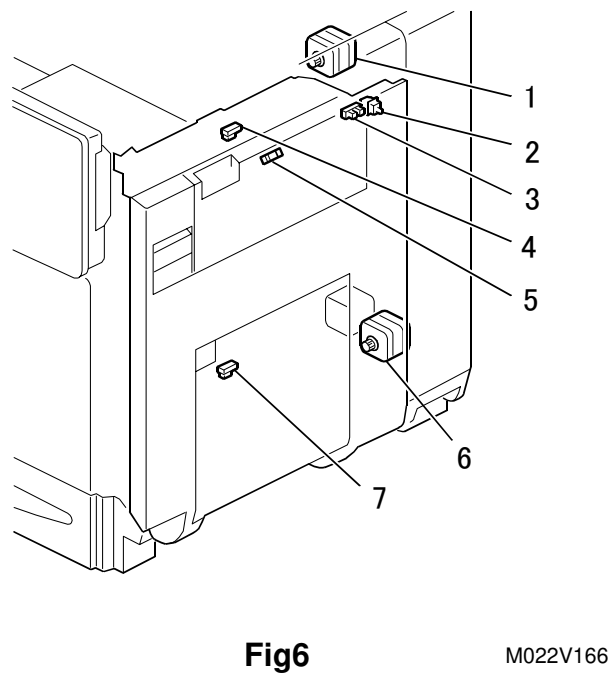
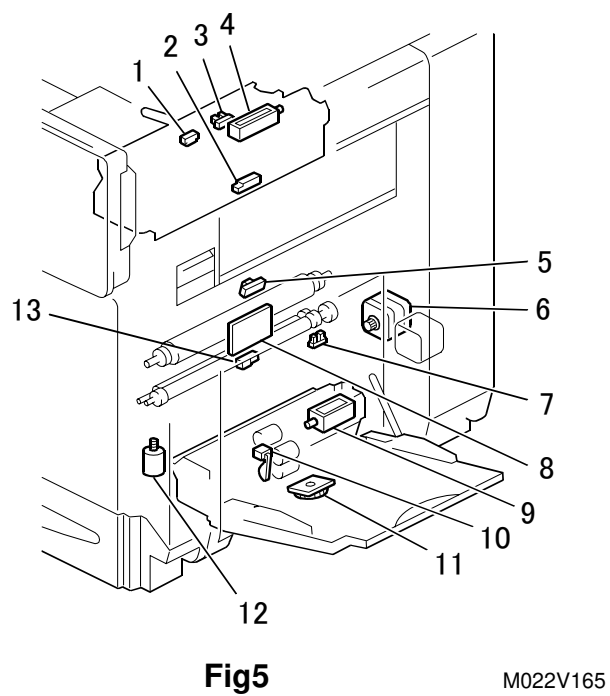
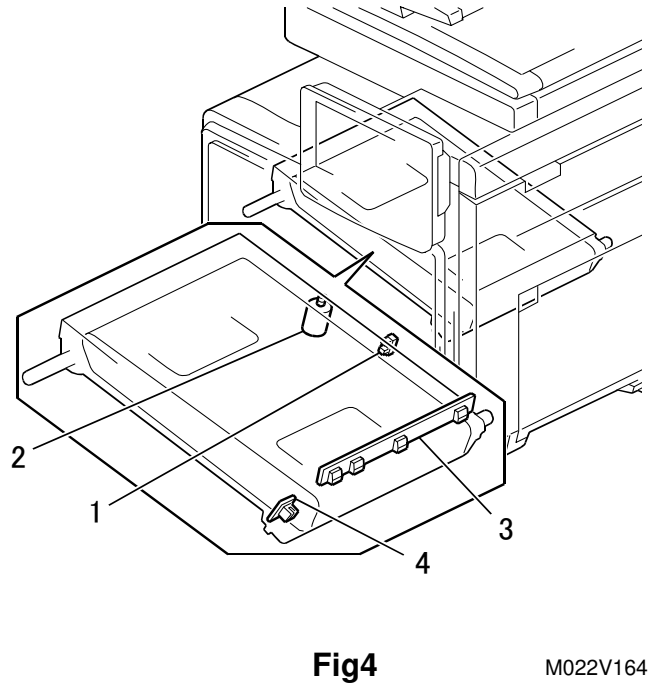
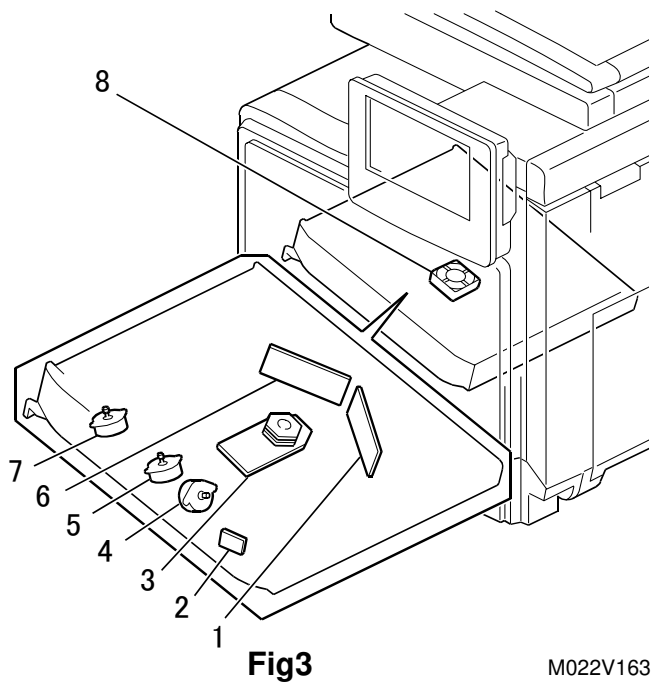
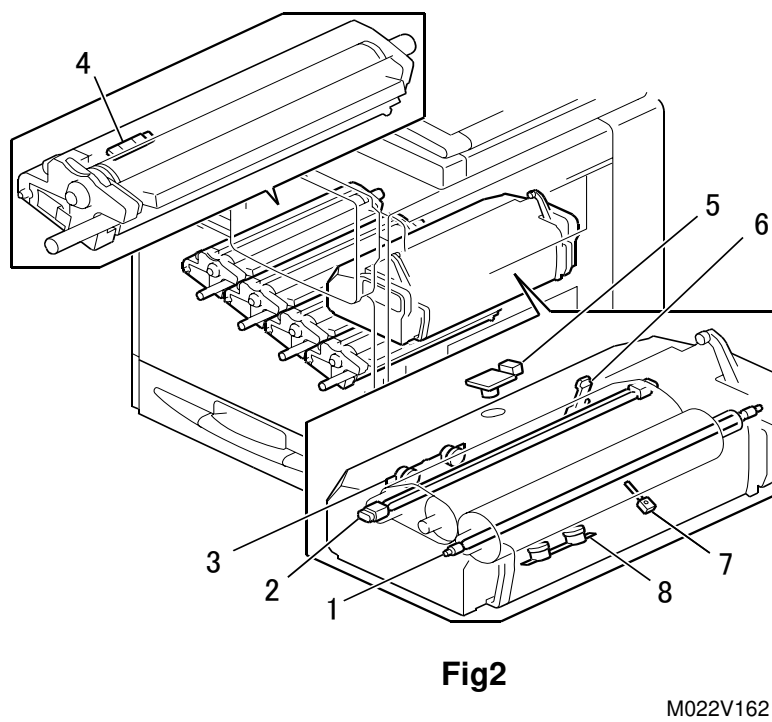
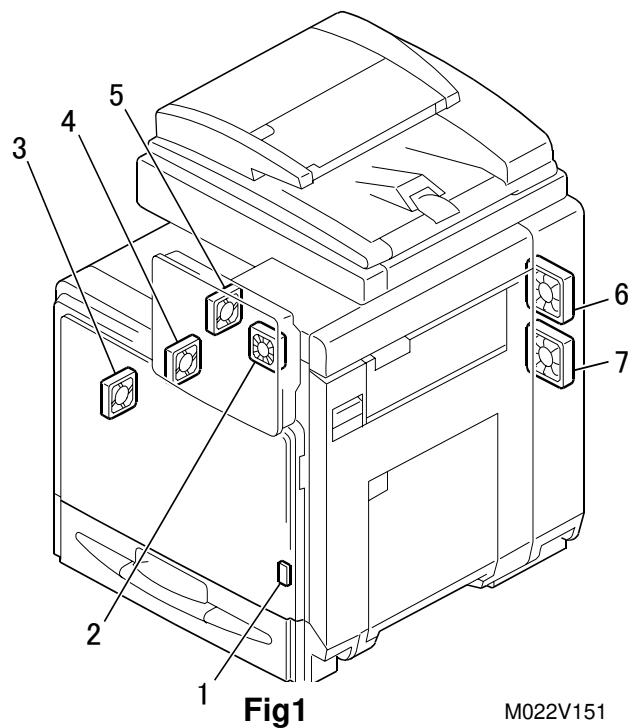
Connector (FROM)			Signal Information				Connector (TO)		
No	To Connector	Pin No	Signal Name	Direction	L	H	No	To Connector	Pin No
JCN2	CN2	1	N.C.	N			CN3	TD Sensor: M	8
		2	N.C.	N					7
		3	TD Sensor:M:SDA	↔					6
		4	TD Sensor:M:SCL	→					5
		5	TD Sensor:M:PWM	→	OFF	ON			4
		6	TD Sensor:M:5V(For TD Sensor)	P					3
		7	TD Sensor:M:FB	←					2
		8	TD Sensor:M:GND	G					1
CN1	CN1	6	TD Sensor:M:SDA	↔			CN2	TD Sensor: M	2
		5	TD Sensor:M:SCL	→					1
		4	TD Sensor:M:PWM	→	OFF	ON			3
		3	TD Sensor:M:5V(For TD Sensor)	P					4
		2	TD Sensor:M:FB	←					5
		1	TD Sensor:M:GND	G					6
CN2	CN2	5	TD Sensor:M:SDA	↔			CN1	TD Sensor: M	2
		6	TD Sensor:M:SCL	→					1
		4	TD Sensor:M:PWM	→	OFF	ON			3
		3	TD Sensor:M:5V(For TD Sensor)	P					4
		2	TD Sensor:M:FB	←					5
		1	TD Sensor:M:GND	G					6
JCN2	CN2	1	N.C.	N			CN3	TD Sensor: Y	8
		2	N.C.	N					7
		3	TD Sensor:Y:SDA	↔					6
		4	TD Sensor:Y:SCL	→					5
		5	TD Sensor:Y:PWM	→	OFF	ON			4
		6	TD Sensor:Y:5V(For TD Sensor)	P					3
		7	TD Sensor:Y:FB	←					2
		8	TD Sensor:Y:GND	G					1
CN1	CN1	6	TD Sensor:Y:SDA	↔			CN2	TD Sensor: Y	2
		5	TD Sensor:Y:SCL	→					1
		4	TD Sensor:Y:PWM	→	OFF	ON			3
		3	TD Sensor:Y:5V(For TD Sensor)	P					4
		2	TD Sensor:Y:FB	←					5
		1	TD Sensor:Y:GND	G					6
CN2	CN2	6	TD Sensor:Y:SDA	↔			CN1	TD Sensor: Y	2
		5	TD Sensor:Y:SCL	→					1
		4	TD Sensor:Y:PWM	→	OFF	ON			3
		3	TD Sensor:Y:5V(For TD Sensor)	P					4
		2	TD Sensor:Y:FB	←					5
		1	TD Sensor:Y:GND	G					6
	CN111	1	ICIB Tip Selection	→	Select		CN202	IPU	30
		2	LEO Tip Selection 1	→	Select				29
		3	LEO Tip Selection 0	→	Select				28
		4	LEO Interrupt	←	Interrupt				27
		5	GND	G					26
		6	Platen Sheet Scanning Gate	→		Scanning			25
		7	Image Scanning Gate	→		Scanning			24
		8	GND	G					23
		9	SBU:Serial Clock	→					22
		10	SBU:Serial Data Out	→					21
		11	SBU Tip Selection	→		Available			20
		12	SBU:Serial Data In	←					19
		13	GND	G					18
		14	Scanner HP Sensor Signal	←	HP				17
		15	ADF Scanning Gate Signal	←		Original Area			16
		16	GND	G					15
		17	ADF_UART Reception Signal	←					14
		18	ADF_UART Sending Signal	→					13
		19	GND	G					12
		20	Scanner Motor Reset Signal	→		Reset			11
		21	GND	G					10
		22	Scanner Motor Clock	→					9
		23	GND	G					8
		24	Scanner MotorON Signal	→	ON				7
		25	Scanner MotorM1 Signal	→					6
		26	Scanner MotorM2 Signal	→					5
		27	Scanner MotorVR1 Signal	→					4
		28	Scanner MotorVR2 Signal	→					3
		29	Scanner MotorVR3 Signal	→					2
		30	Scanner MotorDIR Signal	→					1
CN112	CN112	1	data15	↔			CN201	IPU	50
		2	data14	↔					49
		3	data13	↔					48
		4	data12	↔					47
		5	GND	↔					46
		6	data11	↔					45
		7	data10	↔					44
		8	data9	↔					43
		9	data8	G					42
		10	data7	↔					41
		11	data6	↔					40
		12	data5	↔					39
		13	data4	↔					38
		14	data3	↔					37
		15	data2	↔					36
		16	data1	↔					35
		17	data0	↔					34
		18	GND	G					33
		19	address30	→					32
		20	address29	→					31
		21	address28	→					30
		22	address27	→					29
		23	address26	→					28
		24	address25	→					27
		25	address24	→					26
		26	GND	G					25
		27	address23	→					24
		28	address22	→					23
		29	address21	→					22
		30	address20	→					21
		31	address19	→					20
		32	address18	→					19
		33	address17	→					18
		34	address16	→					17
		35	GND	G					16
		36	IPU Data Bus Direction Change	→	BCU to IPU				15
		37	IPU address latch	→	latch				14
		38	IPU Write	→	Writing Assert				13
		39	IPU Read	→	Reading Assert				12
		40	Ri2001A Chip Selection	→	Select				11
		41	N.C.	N					10
		42	IPU Reset Cancel OK	←	IPU RST Cancel				9
		43	IPU Reset	→		IPU Reset			8
		44	LEO Sleep Cancel	→					7
		45	Return Detection Signal	→					6
		46	GAVD Serial Clock	→					5
		47	GND	G					4
		48	GAVD Serial Data Out	→					3
		49	GAVD Tip Selection	→	Available				2
		50	GAVD Serial Data In	←					1

Connector (FROM)			Signal Information				Connector (TO)		
No	To Connector	Pin No	Signal Name	Direction	L	H	No	To Connector	Pin No
CN320	LED-DB CN320	1	LED:GND	G			CN310	LED-B CN310	11
		2	LED:Drive LED_7	←					10
		3	LED:Drive LED_6	←					9
		4	LED:Drive LED_5	←					8
		5	LED:±24V_LED	P					7
		6	LED:±24V_LED	P					6
		7	LED:Drive LED_4	←					5
		8	LED:Drive LED_3	←					4
		9	LED:Drive LED_2	←					3
		10	LED:Drive LED_1	←					2
		11	LED:GND	G					1
CN205	IPU CN205	B15	SBU:GND	G			CN300	SBU CN300	A1
		A1	SBU:GND	G					B15
		B14	SBU:GND	G					A2
		A2	SBU:Sub Scanning Available Time	→	Available Time	Not Available			B14
		B13	SBU:Main Scanning Available Time	→	Available Time	Not Available			A3
		A3	SBU:GND	G					B13
		B12	SBU:Serial I/F Read Data [SBU to BCU]	←					A4
		A4	SBU:Serial I/F Write Data [BCU to SBU]	→					B12
		B11	SBU:Serial I/F Enable Signal	→	Enable	Disable			A5
		A5	SBU:Serial I/F Transfer Clock	→					B11
		B10	SBU:LVDS Data Signal TA2 (+)	←					A6
		A6	SBU:LVDS Data Signal TA2 (-)	←					B10
		B9	SBU:LVDS Data Signal TB2 (+)	←					A7
		A7	SBU:LVDS Data Signal TB2 (-)	←					B9
		B8	SBU:LVDS Data Signal TC2 (+)	←					A8
		A8	SBU:LVDS Data Signal TC2 (-)	←					B8
		B7	SBU:LVDS Transfer Clock (+)	←					A9
		A9	SBU:LVDS Transfer Clock (-)	←					B7
		B6	SBU:GND	G					A10
		A10	SBU:GND	G					B6
		B5	SBU:LVDS Data Signal TB1 (+)	←					A11
		A11	SBU:LVDS Data Signal TB1 (-)	←					B5
		B4	SBU:LVDS Data Signal TC1 (+)	←					A12
		A12	SBU:LVDS Data Signal TC1 (-)	←					B4
		B3	SBU:GND	G					A13
		A13	SBU:GND	G					B3

Connector (FROM)			Signal Information				Connector (TO)		
No	To Connector	Pin No	Signal Name	Direction	L	H	No	To Connector	Pin No
CN218	IPU CN218	1	+24VB	P			JCN230	Laser Unit	8
		2	GND	G					7
		3	Polygon Mirror Motor On	→	ON	OFF			6
		4	Polygon Mirror Motor Ready	←	ON	OFF			5
		5	Polygon Mirror Motor Clock	→					4
		6	Bk,Ye Leading Edge Synchronizing Detection Signal	←	ON	OFF			3
		7	+5V	P					2
		8	GND	G					1
CN113	BCU CN113	1	3.3V	P			CN203	IPU	2
		2	GND	G					1
CN10	JCN231	1	Ma:light Adjustment DAC LD2	→	Analog	Analog	CN4	LDB(YM)	14
		2	Ma:light Adjustment DAC LD1	→	Analog	Analog			13
		3	Ma:LD Extinction	→	OFF	ON			12
		4	Ma:APC Control LD2	→	ON	OFF			11
		5	Ma:APC Control LD1	→	ON	OFF			10
		6	Ma LD2 Data-	→					9
		7	Ma LD2 Data+	→					8
		8	Ma LD1 Data-	→					7
		9	Ma LD1 Data+	→					6
		10	GND	G					5
		11	GND	G					4
		12	LD Power(+5VS)	P					3
		13	LD Power(+5VS)	P					2
		14	LD Power(+5VS)	P					1
		15	Bk:light Adjustment DAC LD2	→	Analog	Analog	CN1	LDB(KC)	15
		16	Bk:light Adjustment DAC LD1	→	Analog	Analog			14
		17	Bk:LD Extinction	→	OFF	ON			13
		18	Bk:APC Control LD2	→	ON	OFF			12
		19	Bk:APC Control LD1	→	ON	OFF			11
		20	Bk LD2 Data-	→					10
		21	Bk LD2 Data+	→					9
		22	Bk LD1 Data-	→					8
		23	Bk LD1 Data+	→					7
		24	GND	G					6
		25	GND	G					5
		26	LD Power(+5VS)	P					4
		27	LD Power(+5VS)	P					3
		28	LD Power(+5VS)	→					2
CN11	JCN232	-	N.C.				CN3	LDB(KC)	1
		1	GND	G					12
		2	GND	G					11
		3	Cy:light Adjustment DAC LD2	→	Analog	Analog			10
		4	Cy:light Adjustment DAC LD1	→	Analog	Analog			9
		5	Bk,Cy:LD5V Power Error Detection	←	OFF	ON			8
		6	Bk,Cy:LD Error Detection	←	ON	OFF			7
		7	Cy:LD Extinction	→	OFF	ON			6
		8	Cy:APC Control LD2	→	ON	OFF			5
		9	Cy:APC Control LD1	→	ON	OFF			4
		10	Cy LD2 Data-	→					3
		11	Cy LD2 Data+	→					2
		12	Cy LD1 Data-	→					1
		13	Cy LD1 Data+	→					-
		14	GND	G			CN2	LDB(YM)	13
		15	GND	G					12
		16	Ye:light Adjustment DAC LD2	→	Analog	Analog			11
		17	Ye:light Adjustment DAC LD1	→	Analog	Analog			10
		18	Ye,Ma:LD Error Detection	←	ON	OFF			9
		19	Ye:LD Extinction	→	OFF	ON			8
		20	Ye:APC Control LD2	→	ON	OFF			7
		21	Ye:APC Control LD1	→	ON	OFF			6
		22	Ye LD2 Data-	→					5
		23	Ye LD2 Data+	→					4
		24	Ye LD1 Data-	→					3
		25	Ye LD1 Data+	→					2
		26	N.C	N					1
CN18	M0265308 JCN1	1	Lens Positioning Motor:M/A Phase	→			CN19	Lens Positioning Motor: M	5
		2	Lens Positioning Motor:M/B Phase	→					4
		3	Lens Positioning Motor:M:+24V	P					3
		4	Lens Positioning Motor:M:B Phase	→					2
		5	Lens Positioning Motor:M:A Phase	→					1
		6	Lens Positioning Motor:C/A Phase	→			CN20	Lens Positioning Motor: C	5
		7	Lens Positioning Motor:C/B Phase	→					4
		8	Lens Positioning Motor:C:+24V	P					3
		9	Lens Positioning Motor:C:B Phase	→					2
		10	Lens Positioning Motor:C:A Phase	→					1
		11	Lens Positioning Motor:Y/A Phase	→			CN21	Lens Positioning Motor: Y	5
		12	Lens Positioning Motor:Y/B Phase	→					4
		13	Lens Positioning Motor:Y:+24V	P					3
		14	Lens Positioning Motor:Y:B Phase	→					2
		15	Lens Positioning Motor:Y:A Phase	→					1
CN10	M0265246 JCN230	1	+24VB	P			JCN7	Polygon Mirror Motor	5
		2	GND	G					4
		3	Polygon Mirror Motor On	→					3
		4	Polygon Mirror Motor Ready	←					2
		5	Polygon Mirror Motor Clock	→					1
		6	Bk,Ye Leading Edge Synchronizing Detection Signal	←			CN1	Synchronizing Detector	3
CN2	JCN7	7	+5V	P					2
		8	GND	G					1
		1	+24VB	P					5
		2	GND	G					4
		3	Polygon Mirror Motor On	→					3
CN211	IPU CN211	4	Polygon Mirror Motor Ready	←					2
		5	Polygon Mirror Motor Clock	→					1
		1	+5VS	P			CN912	IPU Power	14
		2	GND	G					13
		3	+24VB	P					9
		4	+24VA	P					10
		5	+12V	P					11
		6	GND	G					12
CN1	FCU CN605	7	+5V	P					6
		8	+5V	P					7
		9	GND	G					8
		10	XPONENG	→	Power ON/V				4
		11	GND	G					3
		12	+5VE	P					2
CN2	FCU CN622	13	+5VE	P					1
		-	N.C	N					5
		1	MON SP				CN1	Speaker B771	1
		2	GND						2
		1	TIP				CN1	moduler	3
		2	NC						-
CN2	FCU CN622	3	RING						4
		1	SHUNT				CN1	moduler	1
		2	T1						2
		3	R1						5
		4	TIP						3
		5	NC						6
CN2	FCU CN623	6	RING						4
		1	R1				CN1	moduler	4
		2	T1						3
CN2	FCU CN623	1	SHUNT				CN1	moduler	4
		2	NC						3
		3	T1						2
		4	R1						5
		5	T1						1
		6	R1						6

Connector (FROM)			Signal Information				Connector (TO)				
No	To Connector	Pin No	Signal Name	Direction	L	H	No	To Connector	Pin No		
CN206	IPU CN206	1	XPW_SW	←			CN1	OPU	12		
		2	+5VE	P					11		
		3	OPREQ	←					10		
		4	GND	G					9		
		5	OPRXD	←					8		
		6	OPRCLK	→					7		
		7	GND	G					6		
		8	OPTCLK	→					5		
		9	OPTXD	→					4		
		10	+5V	P					3		
		11	+5V	P					2		
		12	+24VA	P					1		
CN207	IPU CN207	1	+5V_LPS	P			CN2				
		2	USB0D-	↔							
		3	USB0D+	↔							
		4	GND	G							
CN213	IPU CN213	1	GND	G			CN1	ADF			
		2	GND	G							
		3	GND	G							
		4	GND	G							
		5	+24V(A)	P							
		6	+24V(A)	P							
		7	+24V(A)	P							
		8	+24V(A)	P							
		9	N.C.	N							
CN228	IPU CN228	1	+5VEDS	P							
		2	RXD	←							
		3	XDOCSET	←							
		4	TXD	→							
		5	XDFGATE	←							
		6	+5V	P							
		7	GND	G							
		8	(XACSMASKGT)	←							
Inlet	Power Cord	L	AC_IN L	P					T901		
		N	AC_IN N	P					T902		
		E	EARTH	G					T1		
CN906	PSU CN906	1	N.C.	N			CN1	Tray Heater (Mainframe)			
		2	Tray Heater(Mainframe):L	P					1		
		3	Tray Heater(Optional Unit):L	P					1		
		4	N.C.	N			CN1	Tray Heater (Mainframe)	2		
		5	Tray Heater(Mainframe):N	P					CN2	Tray Heater (Optional Unit)	2
		6	Tray Heater(Optional Unit):N	P							
T1	B-1	Development B:Y	P			T2	PCDU				
T3	B-2	Development B:M	P			T4					
T5	B-3	Development B:C	P			T6					
T7	B-4	Development B:K	P			T8					
CN812	HVPS CN812	1	Charge AC:Y:FB	←			CN1	PCDU	4		
		2	Charge AC:M:FB	←					3		
		3	Charge AC:C:FB	←					2		
		4	Charge AC:K:FB	←					1		
T15	C-4	Charge C:Y	P			T2	PCDU				
T13	C-3	Charge C:M	P			T4					
T11	C-2	Charge C:C	P			T6					
T9	C-1	Charge C:K	P			T8					
T17	T1-1	Image Transfer T1:Y	P			T18	ITB Unit				
T19	T1-2	Image Transfer T1:M	P			T20					
T21	T1-3	Image Transfer T1:C	P			T22					
T23	T1-4	Image Transfer T1:K	P			T24					
T25	T2	Paper Transfer T2	P			T26					
CN2	JCN1	1	Charge C:Y:FB	←			T27	PCDU			
		2	Charge C:M:FB	←			T28				
		3	Charge C:C:FB	←			T29				
		4	Charge C:K:FB	←			T30				
CN3	CN1	1	Tray Heater(Optional Unit):L				CN2	Tray Heater (Optional Unit)	1		
		2	Tray Heater(Optional Unit):N						2		
CN17	HDD (Signal)	1	GND	G			-	HDD (Signal Segment)	S1		
		2	DATA_A+	→					S2		
		3	DATA_A-	→					S3		
		4	GND	G					S4		
		5	DATA_B-	←					S5		
		6	DATA_B+	←					S6		
		7	GND	G			S7				
CN21	HDD (Power)	1	Power+12V	P			-	HDD (Power Segment)	P13		
									P14		
									P15		
		2	GND	G					P4		
									P5		
									P6		
		3	GND	G					P10		
									P12		
		4	Power+5V	P			P7				
							P8				
							P9				

M022/M024/M026/M028 ELECTRICAL COMPONENT LAYOUT (1/3)



M022/M024/M026/M028 ELECTRICAL COMPONENT LAYOUT (2/3)

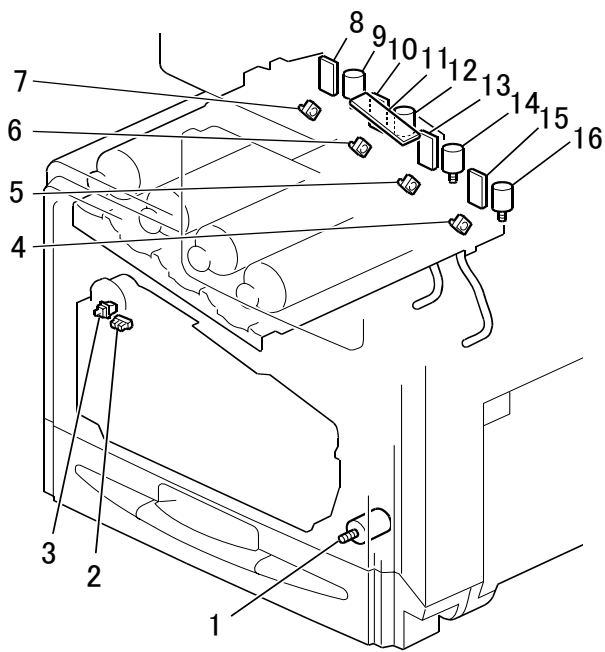


Fig7 M022V167

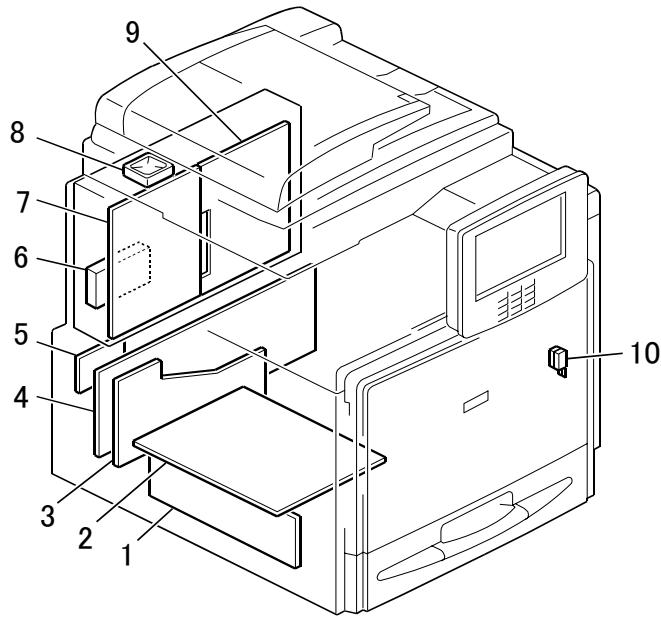


Fig8 M022V168

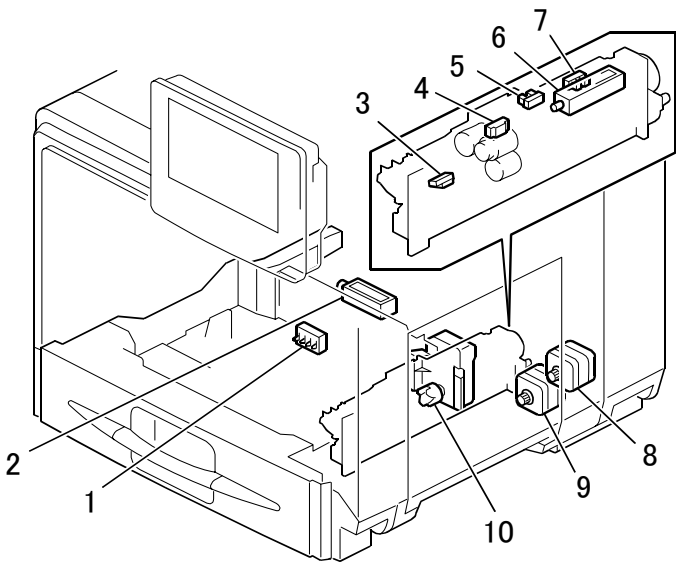


Fig9 M022V169

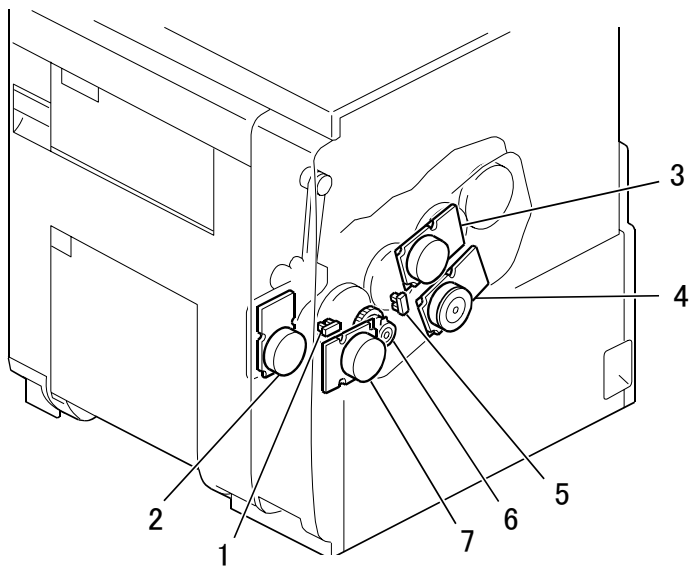


Fig10 M022V170

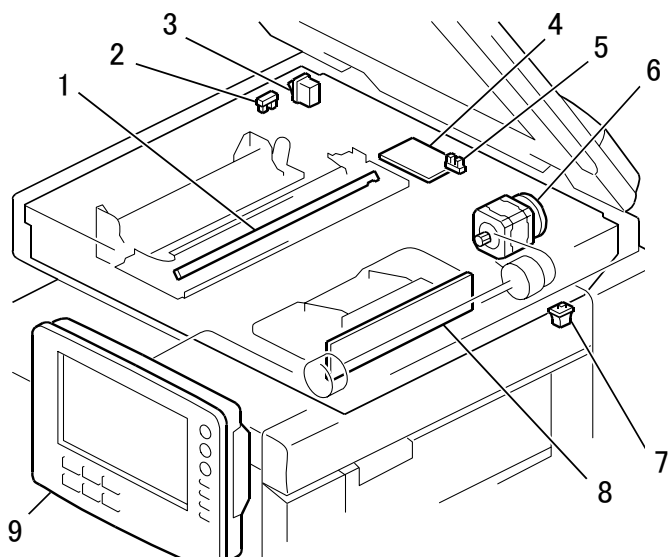


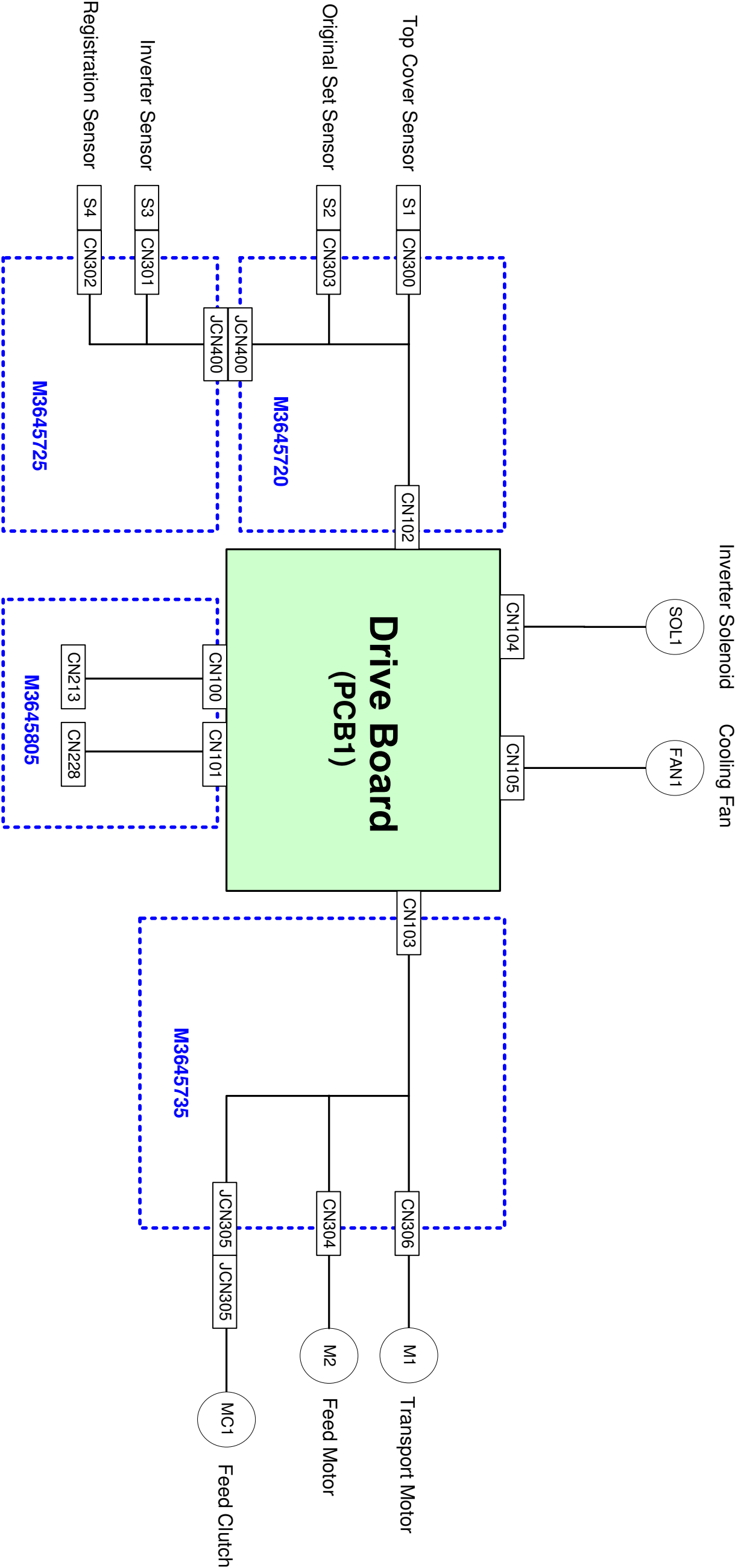
Fig11 M022V171

M022/M024/M026/M028 ELECTRICAL COMPONENT LAYOUT (3/3)

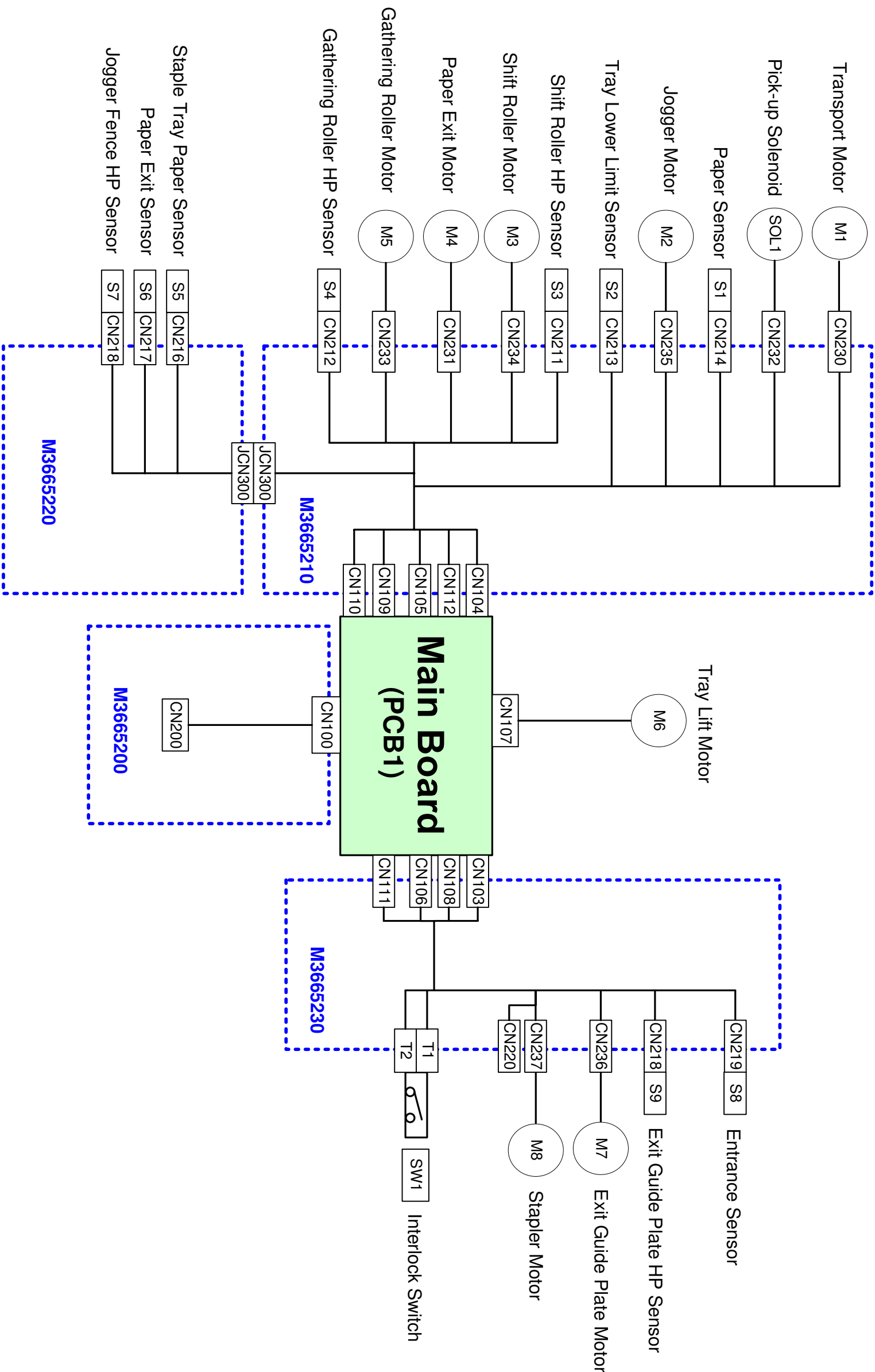
Symbol	Index No.	Description	P to P	Page
Motors				
M1	Fig4-2	Transfer Belt Contact Motor	D2	1/2
M2	Fig7-16	Toner Supply Motor: K	D2	1/2
M3	Fig7-12	Toner Supply Motor: M	E2	1/2
M4	Fig7-14	Toner Supply Motor: C	E2	1/2
M5	Fig7-9	Toner Supply Motor: Y	E2	1/2
M6	Fig3-5	Lens Positioning Motor: M	F2	1/2
M7	Fig3-4	Lens Positioning Motor: C	F2	1/2
M8	Fig3-7	Lens Positioning Motor: Y	F2	1/2
M9	Fig9-10	Tray Lift Motor	H2	1/2
M10	Fig10-4	Development Motor: CMY	H5	1/2
M11	Fig10-3	Drum Motor: CMY	G5	1/2
M12	Fig7-1	Toner Collection Motor	E5	1/2
M13	Fig5-12	Paper Transfer Roller Contact Motor	E5	1/2
M14	Fig10-7	ITB Unit/Drum: K/Development: K Motor	C5	1/2
M15	Fig10-2	Fusing/Paper Exit Motor	C5	1/2
M16	Fig9-8	Vertical Transport Motor	A5	1/2
M17	Fig6-1	Inverter Motor	A5	1/2
M18	Fig6-6	Duplex/By-pass Motor	A5	1/2
M19	Fig5-6	Registration Motor	A5	1/2
M20	Fig9-9	Paper Feed Motor	A5	1/2
M21	Fig11-6	Scanner Motor	B2	2/2
M22	Fig3-3	Polygon Mirror Motor	C1	2/2
Sensors				
S1	Fig9-3	Paper Feed Sensor	A2	1/2
S2	Fig9-4	Vertical Transport Sensor	A2	1/2
S3	Fig9-5	Paper End Sensor	A2	1/2
S4	Fig9-7	Paper Lift Sensor	A2	1/2
S5	Fig5-13	Registration Sensor	A2	1/2
S6	Fig6-4	Duplex Entrance Sensor	C2	1/2
S7	Fig6-2	Duplex Cover Sensor	C2	1/2
S8	Fig6-5	Inverter Sensor	C2	1/2
S9	Fig6-7	Duplex Exit Sensor	C2	1/2
S10	Fig5-5	Fusing Entrance Sensor	C2	1/2
S11	Fig5-10	By-pass Paper End Sensor	C2	1/2
S12	Fig5-11	By-pass Paper Size Sensor	D2	1/2
S13	Fig7-4	Toner End Sensor: K	E3	1/2
S14	Fig7-6	Toner End Sensor: M	F3	1/2
S15	Fig7-5	Toner End Sensor: C	F3	1/2
S16	Fig7-7	Toner End Sensor: Y	F3	1/2
S17	Fig7-3	Waste Toner Bottle Set Sensor	G3	1/2
S18	Fig7-2	Waste Toner Bottle Full Sensor	G3	1/2
S19	Fig2-4	TD Sensor: Y	H6	1/2
S20	Fig2-4	TD Sensor: M	H6	1/2
S21	Fig2-5	Thermopile	E5	1/2
S22	Fig4-1	Transfer Belt Contact Sensor	E5	1/2
S23	Fig4-4	ITB Rotation Sensor	E6	1/2
S24	Fig5-7	Paper Transfer Roller Contact Sensor	E5	1/2
S25	Fig1-1	Temperature/Humidity Sensor	E5	1/2
S26	Fig2-4	TD Sensor: K	D6	1/2
S27	Fig2-4	TD Sensor: C	D6	1/2
S28	Fig10-5	Drum Phase Sensor: CMY	C6	1/2
S29	Fig10-1	Drum Phase Sensor: K	C6	1/2
S30	Fig5-2	Fusing Exit Sensor	C6	1/2
S31	Fig5-3	Paper Overflow Sensor	C5	1/2
S32	Fig5-1	Paper Exit Sensor	C5	1/2
S33	Fig11-7	Right Tray Set Sensor	B5	1/2
S34	Fig6-3	Right Door Sensor	B5	1/2
S35	Fig11-2	Scanner HP Sensor	B2	2/2
S36	Fig11-5	Cover Sensor	B2	2/2
S37	Fig3-2	Laser Synchronizing Detector	C2	2/2

Symbol	Index No.	Description	P to P	Page
Magnetic Clutches				
MC1	Fig10-6	Development Clutch: K	D5	1/2
Switches				
SW1	Fig9-1	Paper Size Switch	H3	1/2
SW2	Fig8-10	Interlock Switch	D1	2/2
SW3	Fig11-3	Main Power Switch	D5	2/2
Solenoids				
SOL1	Fig9-6	Paper Feed Solenoid	A2	1/2
SOL2	Fig5-9	By-pass Solenoid	C2	1/2
SOL3	Fig9-2	Tray Lock Solenoid	H2	1/2
SOL4	Fig5-4	Junction Gate Solenoid 1	C6	1/2
SOL5	-	Junction Gate Solenoid 2	C6	1/2
FANs				
FAN1	Fig1-5	Toner Supply Fan	G2	1/2
FAN2	Fig3-8	Laser Unit Fan	G2	1/2
FAN3	Fig1-3	Ventilation Fan 1	G2	1/2
FAN4	Fig1-4	Ventilation Fan 2	G2	1/2
FAN5	Fig1-7	Drive Unit Fan	F5	1/2
FAN6	Fig1-2	Fusing Front Fan	F5	1/2
FAN7	Fig1-6	Fusing Rear Fan	F5	1/2
FAN8	-	PSU Fan 1	E2	2/2
FAN9	-	PSU Fan 2	E2	2/2
FAN10	Fig8-8	Controller Fan	B6	2/2
Others				
L1	Fig2-1	Pressure Roller Fusing Lamp	G6	1/2
L2	Fig2-2	Heating Lamp	G6	1/2
TH1	Fig2-6	Thermistor	G6	1/2
TH2	Fig2-7	Pressure Roller Thermistor	G6	1/2
-	Fig2-3	Heating Roller Thermostat	-	-
-	Fig2-8	Pressure Roller Thermostat	-	-
PCBs				
PCB1	Fig5-8	HVPS: D	C2	1/2
PCB2	Fig7-15	RFID-AFE (K)	E1	1/2
PCB3	Fig7-13	RFID-AFE(C)	E1	1/2
PCB4	Fig7-10	RFID-AFE(M)	E1	1/2
PCB5	Fig7-8	RFID-AFE(Y)	E1	1/2
PCB6	Fig7-11	RFID-CPU	E2	1/2
PCB7	Fig8-3	BCU	C3	1/2
PCB8	Fig4-3	ID Sensor Board	D6	1/2
PCB9	Fig11-8	SBU	A2	2/2
PCB10	Fig11-1	LED-B	B1	2/2
PCB11	Fig11-4	LED-DB	B2	2/2
PCB12	Fig3-1	LDB (KC)	B2	2/2
PCB13	Fig3-6	LDB (YM)	C2	2/2
PCB14	Fig8-9	IPU	B3	2/2
PCB15	Fig8-4	PSU	E3	2/2
PCB16	Fig8-2	HVPS:C/B	G3	2/2
PCB17	Fig8-1	HVPS:T1/T2	H2	2/2
PCB18	Fig11-9	Operation Panel	A5	2/2
PCB19	Fig8-7	CTL	B4	2/2
PCB20	Fig8-5	SDB	D4	2/2
PCB21	Fig8-6	HDD	B6	2/2

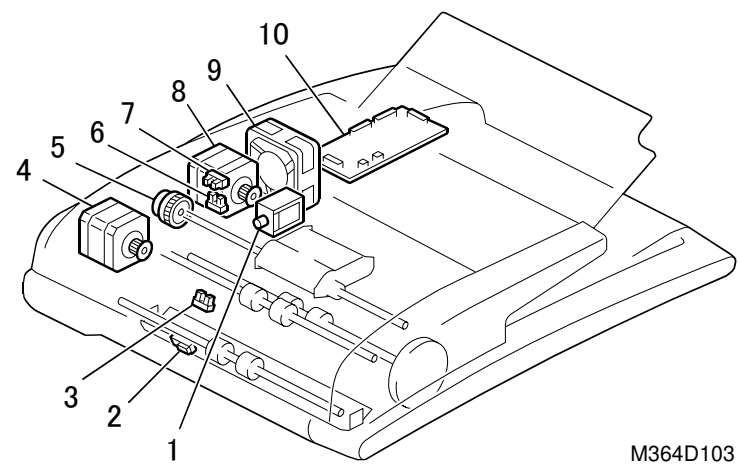
ARDF POINT TO POINT DIAGRAM



Internal Finisher POINT TO POINT DIAGRAM



ARDF ELECTRICAL COMPONENT LAYOUT



M364D103

Symbol	Index No.	Description	P to P
Motors			
M1	4	Transport Motor	C7
M2	8	Feed Motor	D7
Sensors			
S1	6	Top Cover Sensor	C2
S2	7	Original Set Sensor	D2
S3	3	Inverter Sensor	D2
S4	2	Registration Sensor	E2
Magnetic Clutches			
MC1	5	Feed Clutch	D7
Solenoids			
SOL1	1	Inverter Solenoid	B4
FANs			
FAN1	9	Cooling Fan	B4
PCBs			
PCB1	10	Drive Board	C4

Internal Finisher ELECTRICAL COMPONENT LAYOUT

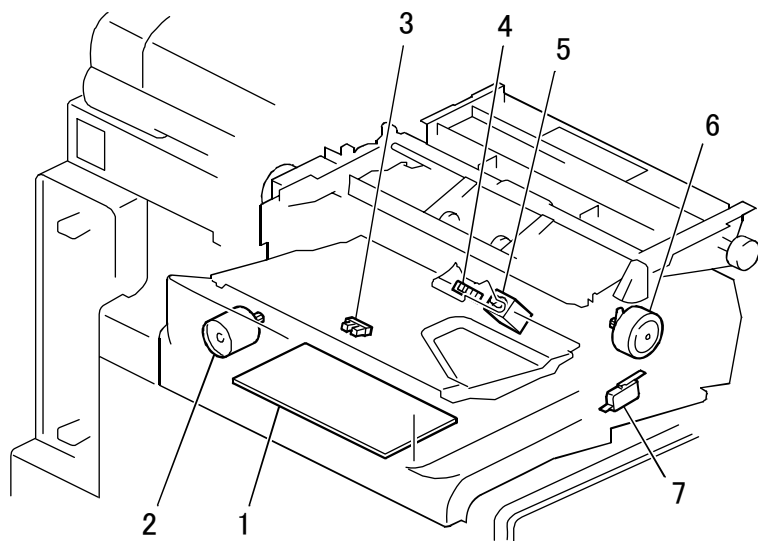


Fig1

M366D103a

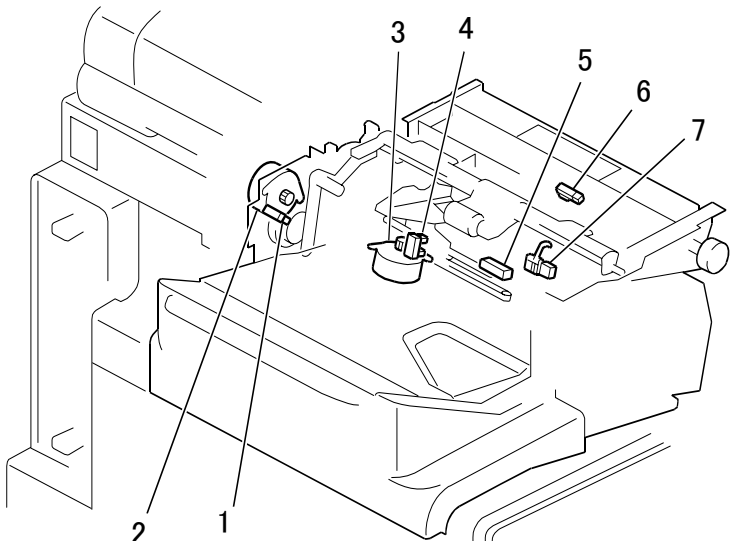


Fig2

M366D104

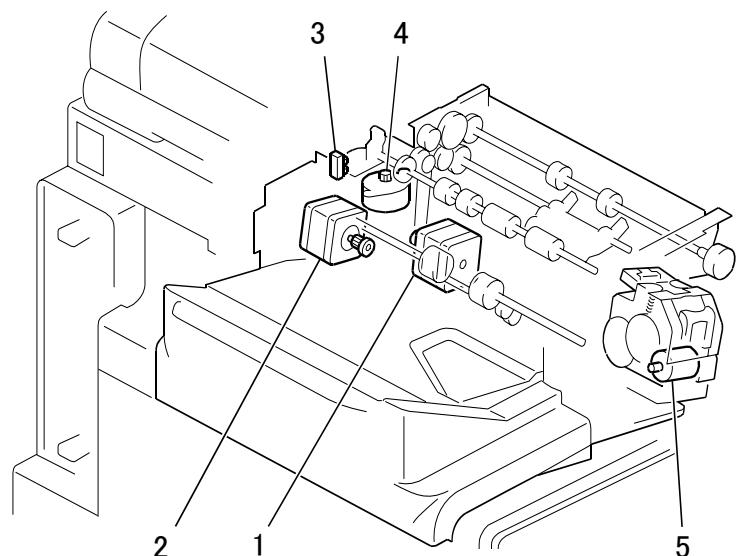
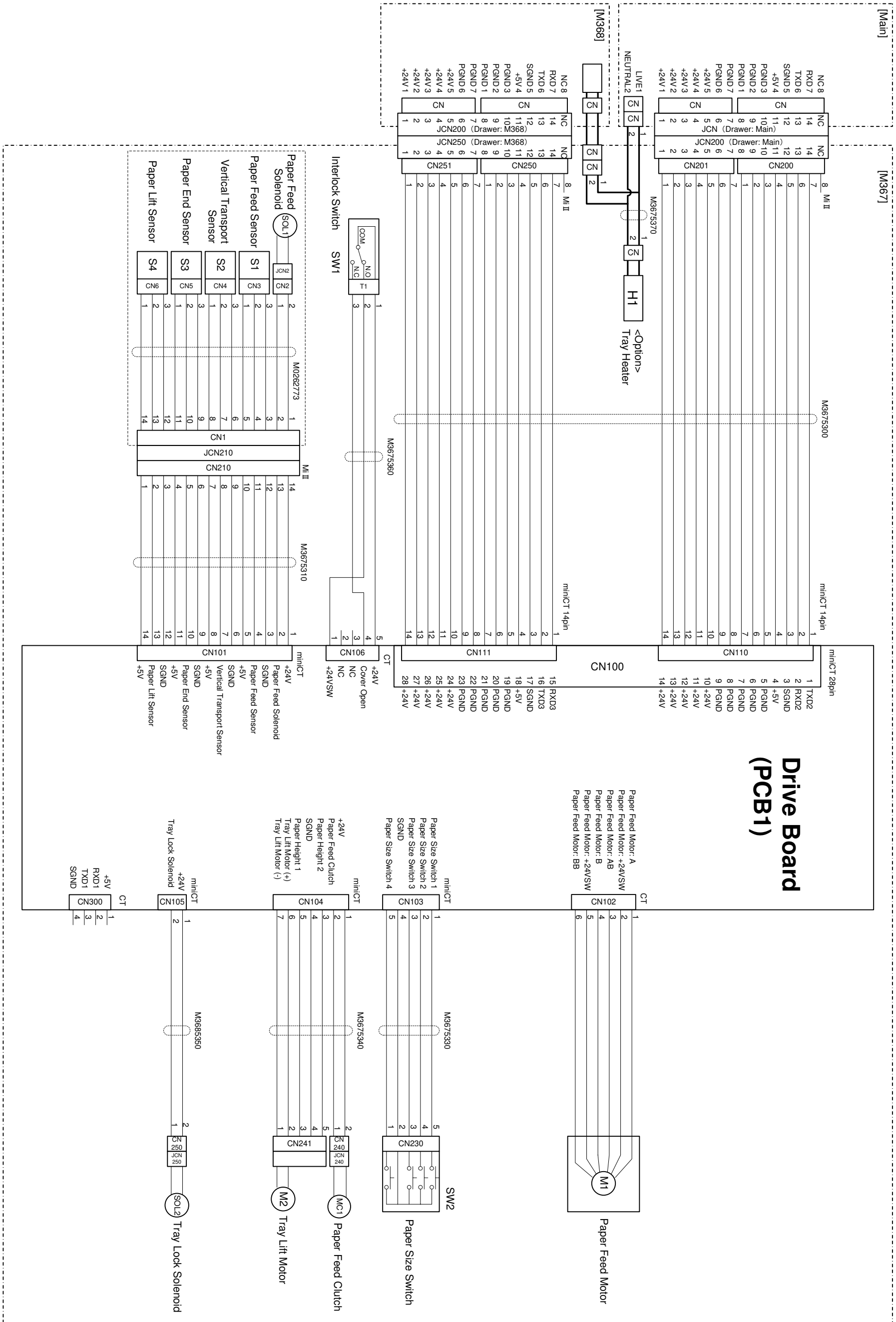


Fig3

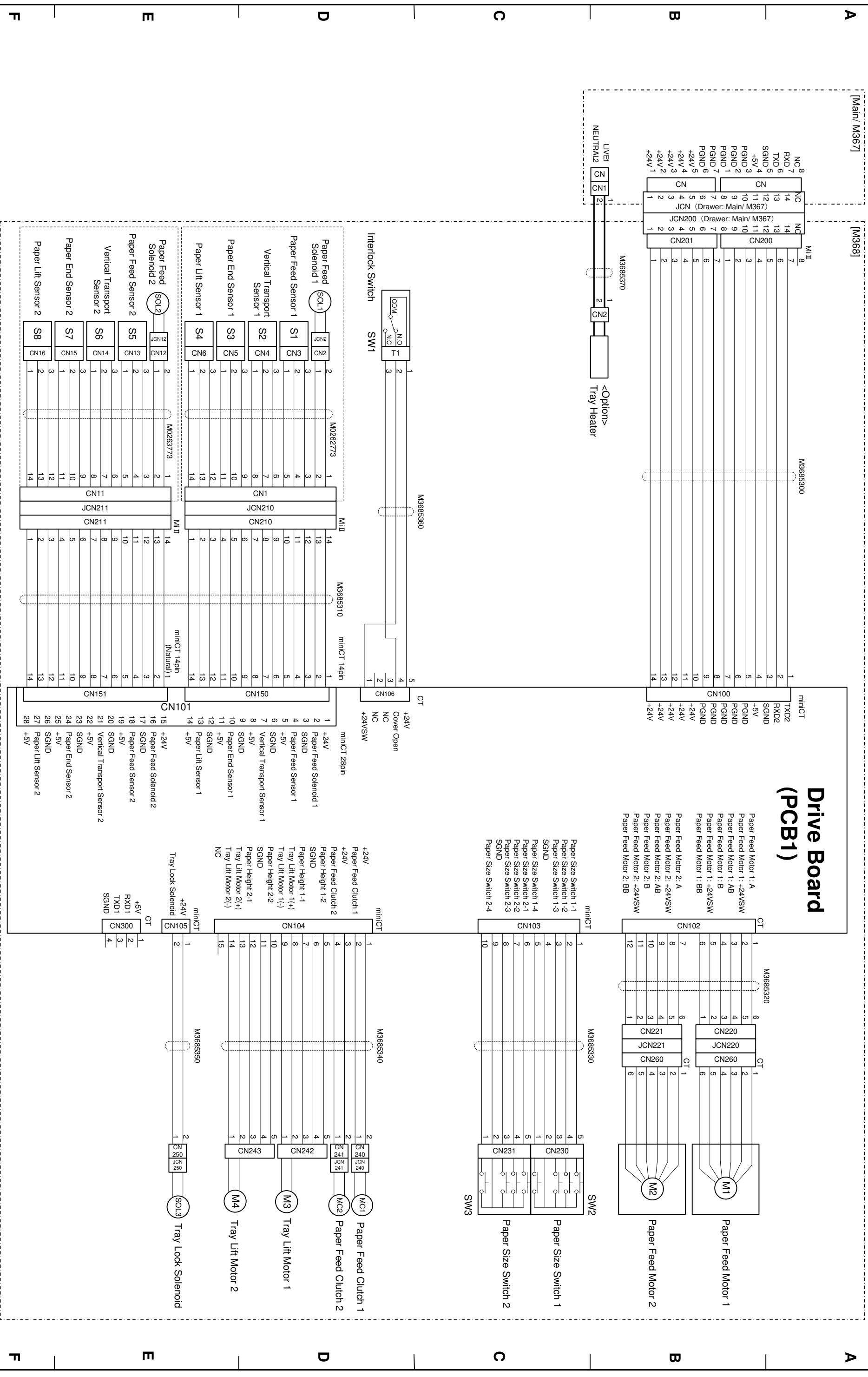
M366D105

Symbol	Index No.	Description	P to P
Motors			
M1	Fig3-1	Transport Motor	B2
M2	Fig2-3	Jogger Motor	C2
M3	Fig3-4	Shift Roller Motor	C2
M4	Fig3-2	Paper Exit Motor	D2
M5	Fig2-2	Gathering Roller Motor	D2
M6	Fig1-2	Tray Lift Motor	C5
M7	Fig1-6	Exit Guide Plate Motor	C7
M8	Fig3-5	Stapler Motor	C7
Sensors			
S1	Fig1-4	Paper Sensor	B3
S2	Fig1-3	Tray Lower Limit Sensor	C3
S3	Fig3-3	Shift Roller HP Sensor	C3
S4	Fig2-1	Gathering Roller HP Sensor	D3
S5	Fig2-7	Staple Tray Paper Sensor	E3
S6	Fig2-5	Paper Exit Sensor	E3
S7	Fig2-4	Jogger Fence HP Sensor	E3
S8	Fig2-6	Entrance Sensor	B6
S9	-	Exit Guide Plate HP Sensor	C6
Switches			
SW1	Fig1-7	Interlock Switch	D7
Solenoids			
SOL1	Fig1-5	Pick-up Solenoid	B2
PCBs			
PCB1	Fig1-1	Main Board	D5

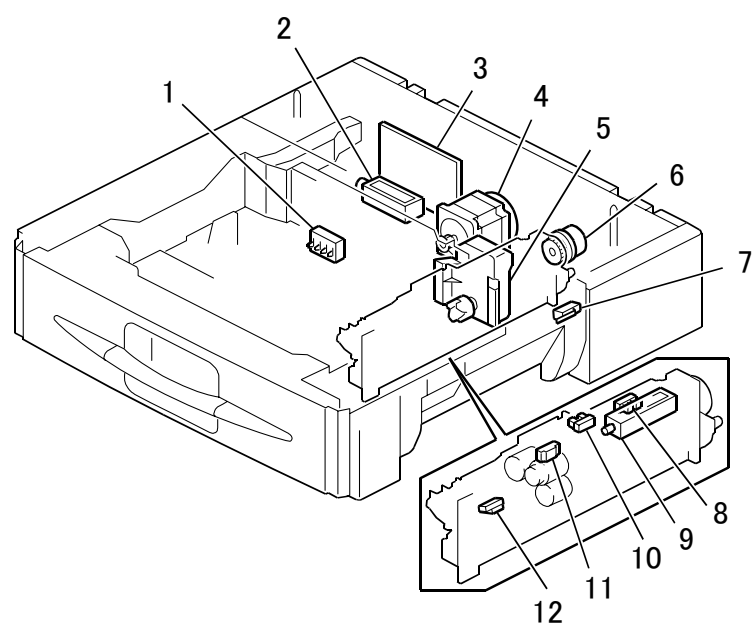
M367 POINT TO POINT DIAGRAM



M368 POINT TO POINT DIAGRAM



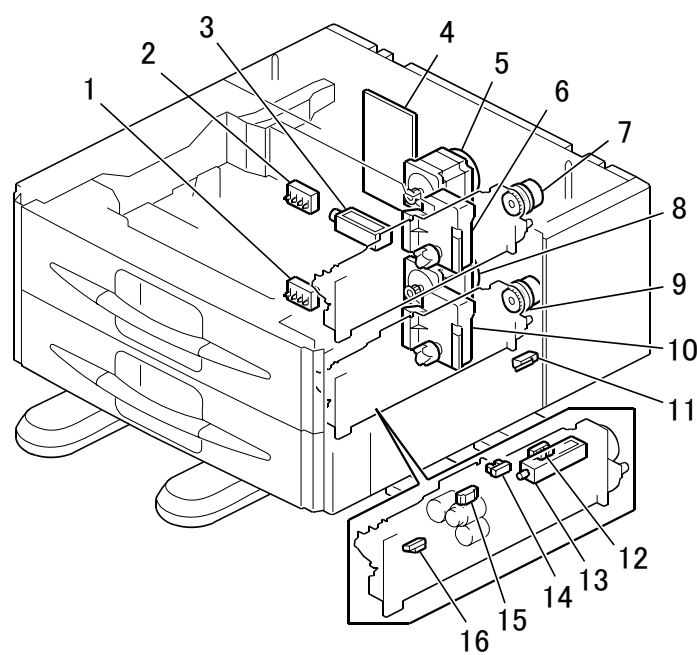
ELECTRICAL COMPONENT LAYOUT (M367)



M367D102

Symbol	Index No.	Description	P to P
Motors			
M1	4	Paper Feed Motor	C7
M2	5	Tray Lift Motor	D7
Sensors			
S1	12	Paper Feed Sensor	D2
S2	11	Vertical Transport Sensor	E2
S3	10	Paper End Sensor	E2
S4	8	Paper Lift Sensor	E2
Magnetic Clutches			
MC1	6	Paper Feed Clutch	D7
Switches			
SW1	7	Interlock Switch	D2
SW2	1	Paper Size Switch	D7
Solenoids			
SOL1	9	Paper Feed Solenoid	D2
SOL2	2	Tray Lock Solenoid	E7
PCBs			
PCB1	3	Drive Board	B5

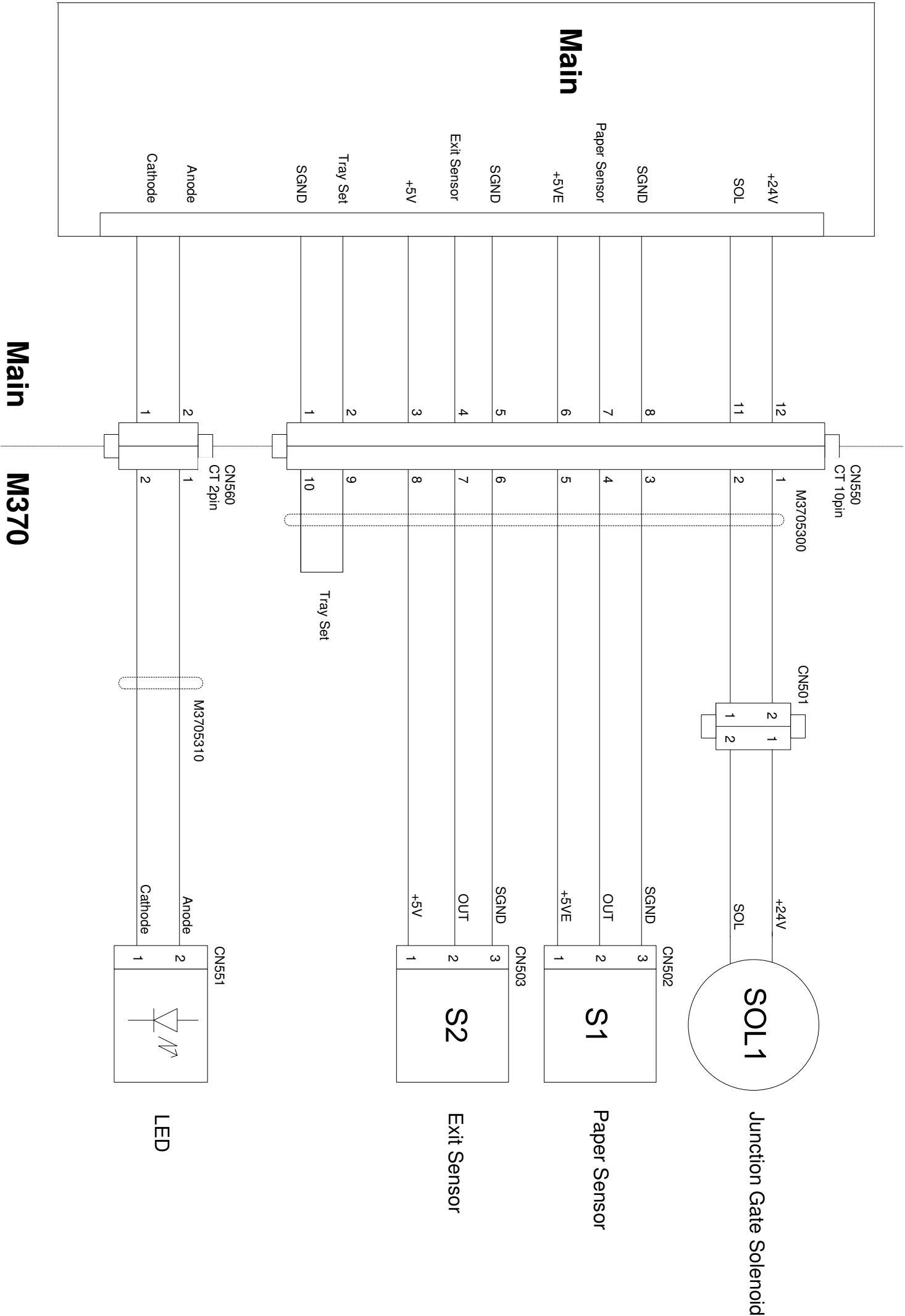
ELECTRICAL COMPONENT LAYOUT (M368)



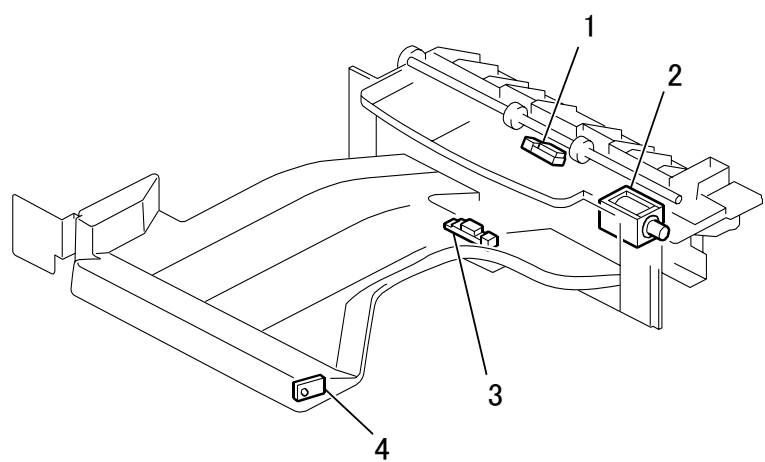
M368D102

Symbol	Index No.	Description	P to P
Motors			
M1	5	Paper Feed Motor 1	B7
M2	8	Paper Feed Motor 2	B7
M3	6	Tray Lift Motor 1	D7
M4	10	Tray Lift Motor 2	D7
Sensors			
S1	-	Paper Feed Sensor 1	D2
S2	-	Vertical Transport Sensor 1	D2
S3	-	Paper End Sensor 1	E2
S4	-	Paper Lift Sensor 1	E2
S5	16	Paper Feed Sensor 2	E2
S6	15	Vertical Transport Sensor 2	E2
S7	14	Paper End Sensor 2	E2
S8	12	Paper Lift Sensor 2	F2
Magnetic Clutches			
MC1	7	Paper Feed Clutch 1	D7
MC2	9	Paper Feed Clutch 2	D7
Switches			
SW1	11	Interlock Switch	D2
SW2	2	Paper Size Switch 1	C7
SW3	1	Paper Size Switch 2	C7
Solenoids			
SOL1	-	Paper Feed Solenoid 1	D2
SOL2	13	Paper Feed Solenoid 2	E2
SOL3	3	Tray Lock Solenoid	E7
PCBs			
PCB1	4	Drive Board	A5

M370 POINT TO POINT DIAGRAM



ELECTRICAL COMPONENT LAYOUT (M370)



M370D102

Symbol	Index No.	Description	P to P
Sensors			
S1	3	Paper Sensor	C6
S2	1	Exit Sensor	C6
Solenoids			
SOL1	2	Junction Gate Solenoid	B6
LED			
LED	4	LED	E6