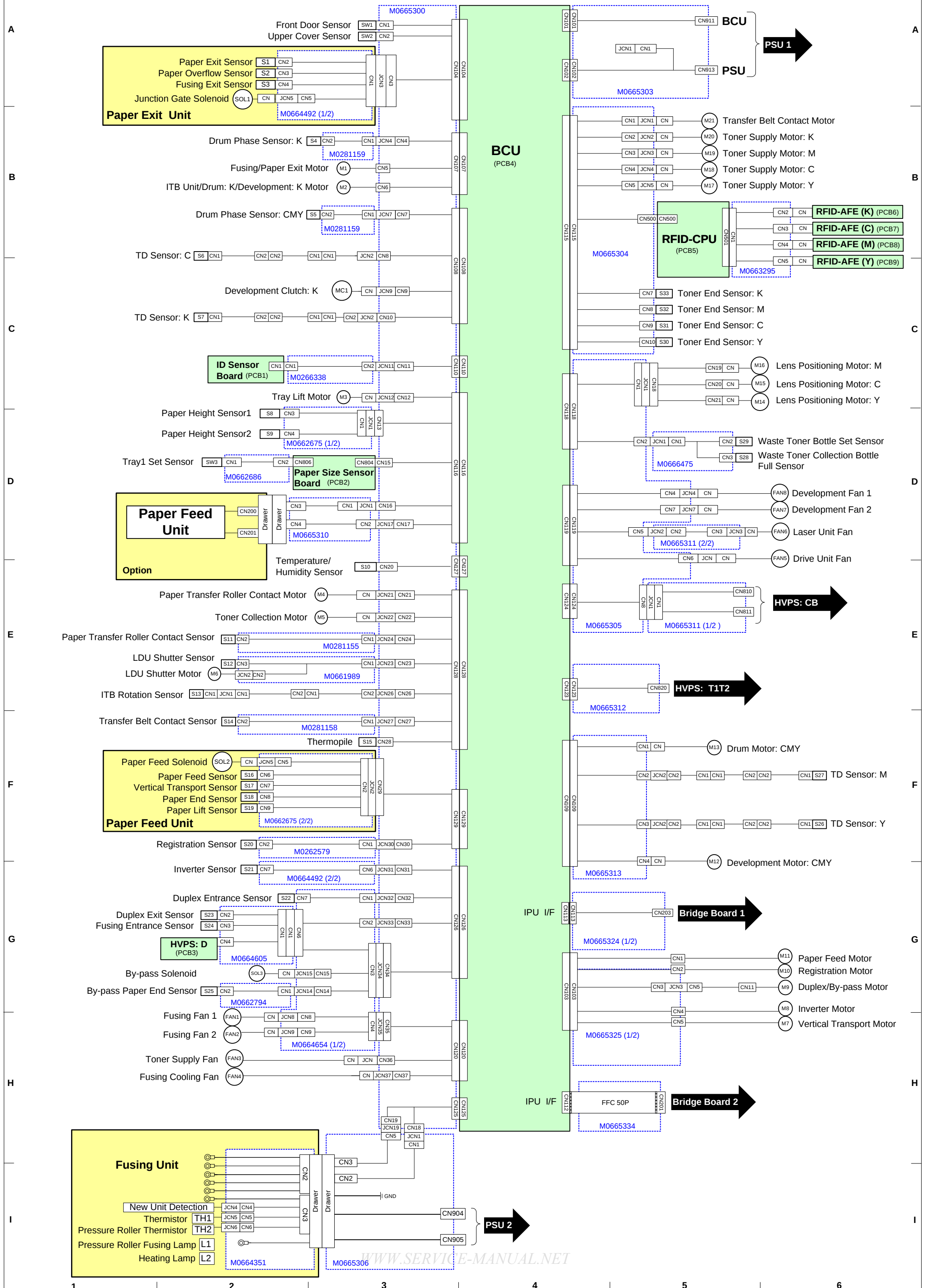
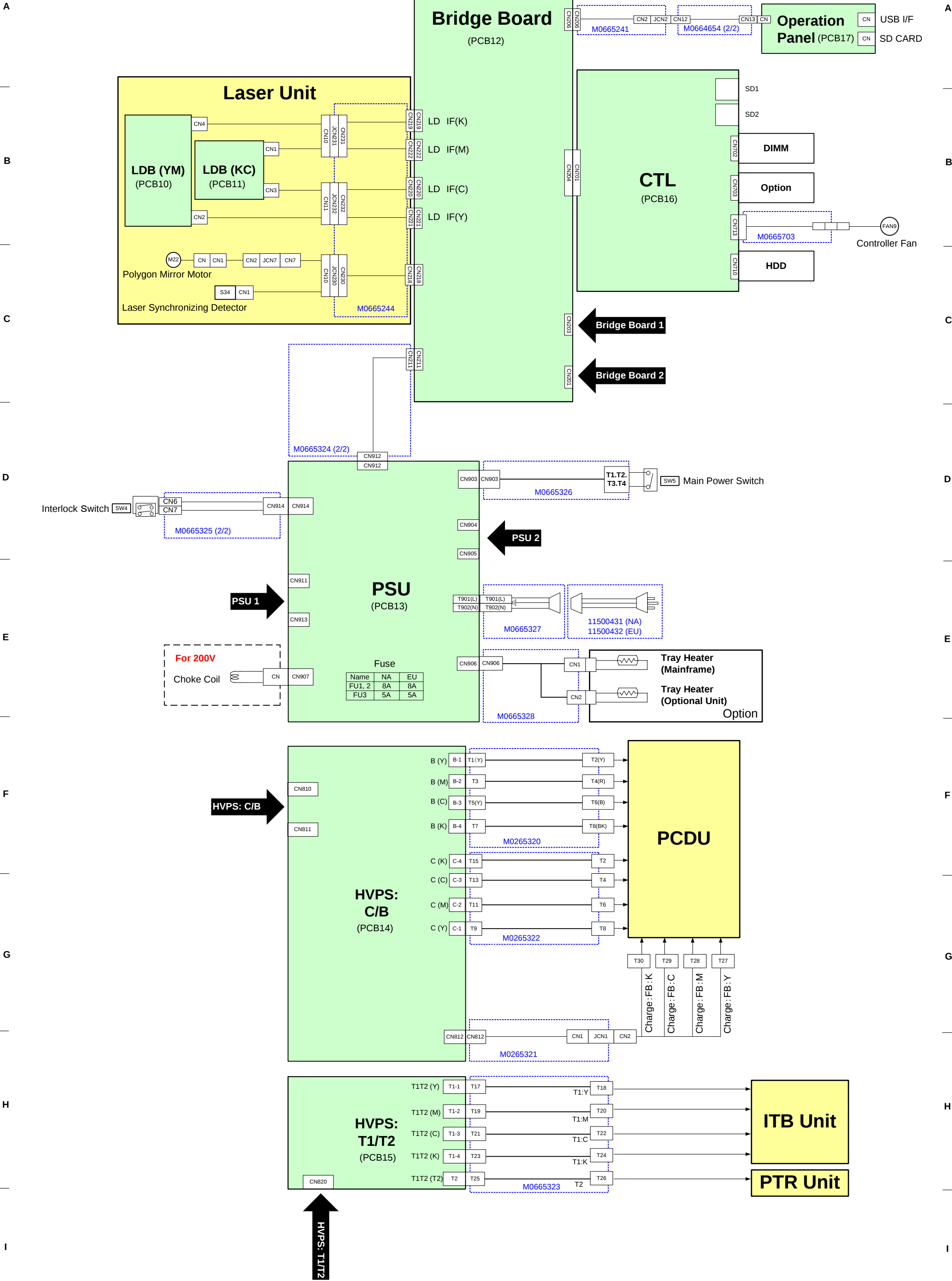




M065/M066 POINT TO POINT DIAGRAM (2/2)



Connector (FROM)		Signal Information					Connector (TO)		
No	To Connector	Pin No	Signal Name	Direction	L	H	No	To Connector	Pin No
CN104	BCU CN104	1	Front Door Sensor: Detection	←	Close	Open	CN1	Front Door Sensor	2
		2	Front Door Sensor: GND	G					1
		3	Upper Cover Sensor	←	Set	Not set	CN2	Upper Cover Sensor	2
		4	Upper Cover Sensor: GND	G					1
		5	Paper Exit Sensor: GND	G			JCN3	Paper Exit Unit	13
		6	Paper Exit Sensor: Output	←	Detect	Not Detect			12
		7	Paper Exit Sensor: +5V	P					11
		8	Paper Overflow Sensor: GND	G					10
		9	Paper Overflow Sensor: Output	←	Not Full	Full			9
		10	Paper Overflow Sensor: +5V	P					8
		11	Fusing Exit Sensor: 5V	P					7
		12	Fusing Exit Sensor: Output	←	Not Detect	Detect			6
		13	Fusing Exit Sensor: GND	G					5
		14	Junction Gate Solenoid:+24VS1	P	ON	OFF			4
		15	Junction Gate Solenoid:Control	→					3
		16	N.C.	N					2
		17	N.C.	N					1
CN107	BCU CN107	1	Drum Phase Sensor: K: GND	G			JCN4	Drum Phase Sensor: K	3
		2	Drum Phase Sensor: K: Output	←	Not Detect	Detect			2
		3	Drum Phase Sensor: K: 5V	P					1
		4	Fusing/Paper Exit Motor: Gain Change	→	High Speed	Low Speed	CN5	Fusing/Paper Exit Motor	12
		5	Fusing/Paper Exit Motor: CLOCK	→					11
		6	Fusing/Paper Exit Motor: Brake	→	Brake	Not Brake			10
		7	Fusing/Paper Exit Motor: CW/CCW	→	CCW	CW			9
		8	Fusing/Paper Exit Motor: Start/Stop	→	Start	Stop			8
		9	Fusing/Paper Exit Motor: LOCK	←	Normal	Trouble			7
		10	Fusing/Paper Exit Motor: 5V	P					6
		11	Fusing/Paper Exit Motor: GND(5V)	G					5
		12	Fusing/Paper Exit Motor: GND(24V)	G					4
		13	Fusing/Paper Exit Motor: GND(24V)	G					3
		14	Fusing/Paper Exit Motor: 24VS1	P					2
		15	Fusing/Paper Exit Motor: 24VS1	P					1
		16	N.C.	N					-
		17	N.C.	N					-
		18	N.C.	N					-
		19	ITB Unit/Drum: K/Development: K Motor: Control Change	→			CN6	ITB Unit/Drum: K/Development: K Motor	14
		20	ITB Unit/Drum: K/Development: K Motor: Encoder CLOCK	→					13
		21	ITB Unit/Drum: K/Development: K Motor: Gain Change	→	High Speed	Low Speed			12
		22	ITB Unit/Drum: K/Development: K Motor: CLOCK	→					11
		23	ITB Unit/Drum: K/Development: K Motor: Brake	→	Brake	Not Brake			10
		24	ITB Unit/Drum: K/Development: K Motor: CW/CCW	→	CCW	CW			9
		25	ITB Unit/Drum: K/Development: K Motor: Start/Stop	→	Start	Stop			8
		26	ITB Unit/Drum: K/Development: K Motor: LOCK	←	Normal	Trouble			7
		27	ITB Unit/Drum: K/Development: K Motor: 5V	P					6
		28	ITB Unit/Drum: K/Development: K Motor: GND(5V)	G					5
		29	ITB Unit/Drum: K/Development: K Motor: GND(24V)	G					4
		30	ITB Unit/Drum: K/Development: K Motor: GND(24V)	G					3
		31	ITB Unit/Drum: K/Development: K Motor: 24VS1	P					2
		32	ITB Unit/Drum: K/Development: K Motor: 24VS1	P					1
		33	N.C.	N					-
		34	N.C.	N					-
CN108	BCU CN108	1	Drum Phase Sensor: CMY: GND	G			JCN7	Drum Phase Sensor: CMY	3
		2	Drum Phase Sensor: CMY: Output	←					2
		3	Drum Phase Sensor: CMY: 5V	P			CN8	TD Sensor: C	1
		4	PCL:C:+24VS1	P					8
		5	PCL:CL:Control	→	ON	OFF			7
		6	TD Sensor: C: SDA	↔					5
		7	TD Sensor: C: SCL	→					6
		8	TD Sensor: C: PWM	→	OFF	ON			4
		9	TD Sensor: C: 5V(For TD Sensor)	P	ON/OFF(Under 5V_HST)				3
		10	TD Sensor: C: FB	←					2
		11	TD Sensor: C: GND	G					1
		12	Development Clutch: K: 24VS1	P			JCN9	Development Clutch: K	2
		13	Development Clutch: K: Control	→	ON	OFF			1
		14	N.C.	N			CN10	TD Sensor: K	-
		15	PCL:K:+24VS1	P					8
		16	PCL:K: Control	→	ON	OFF			7
		17	TD Sensor: K: SDA	↔					5
		18	TD Sensor: K: SCL	→					6
		19	TD Sensor: K: PWM	→	OFF	ON			4
		20	TD Sensor: K: 5V(For TD Sensor)	P	ON/OFF(Under 5V_HST)				3
		21	TD Sensor: K: FB	←					2
		22	TD Sensor: K: GND	G					1
CN110	BCU CN110	1	ID Sensor:FB:Reflection:Re/Bk	←			JCN11	ID Sensor	13
		2	ID Sensor:LED Drive:PWM:Re/Bk	→	OFF	ON			12
		3	ID Sensor:FB:Diffused Reflection:Cy	←					11
		4	ID Sensor:FB:Diffused Reflection:Cy	←					10
		5	ID Sensor:LED Drive:PWM:Ce/Cy	→	OFF	ON			9
		6	ID Sensor:FB:Diffused Reflection:M	←					8
		7	ID Sensor:FB:Reflection:M	←					7
		8	ID Sensor:LED Drive:PWM:M	→	OFF	ON			6
		9	ID Sensor:FB:Diffused Reflection:Y	←					5
		10	ID Sensor:FB:Reflection:Fr/Y	←					4
		11	ID Sensor:LED Drive:PWM:Fr/Y	→	OFF	ON			3
		12	ID Sensor:GND	G					2
CN116	BCU CN116	13	ID Sensor:5V	P			JCN12	Tray Lift Motor	1
		A1	N.C.	N					-
		A2	N.C.	N			CN13	Paper Height Sensor1, Paper Height Sensor2	-
		A3	Tray Lift Motor:OUT1A	→					6
		A4	Tray Lift Motor:OUT2A	→					5
		A5	Paper Height Sensor1:GND	G					4
		A6	Paper Height Sensor1:Output	←					3
		A7	Paper Height Sensor1:+5V	P					2
		A8	Paper Height Sensor2:GND	G					1
		A9	Paper Height Sensor2:Output	←					-
		A10	Paper Height Sensor2:+5V	P					-
		A11	Paper Size Sensor1	←			CN15	Paper Size Sensor Board	6
		A12	Paper Size Sensor2	←					5
		A13	Paper Size Sensor3	←					4
		A14	Paper Size Sensor:GND	G					3
		A15	Tray1 Set Sensor	←					2
		A16	Paper Size Sensor:+5V	P					1
		B1	N.C.	N			CN16	Paper Feed Unit	8
		B2	Paper Feed Unit:RXD	←					7
		B3	Paper Feed Unit:TXD	→					6
		B4	Paper Feed Unit:GND	G					5
		B5	Paper Feed Unit:+5V	P					4
		B6	Paper Feed Unit:GND	G					3
		B7	Paper Feed Unit:GND	G					2
		B8	Paper Feed Unit:GND	G					1
		B9	Paper Feed Unit:GND	G			JCN17	Paper Feed Unit	7
		B10	Paper Feed Unit:GND	G					6
		B11	Paper Feed Unit:+24V	P					5
		B12	Paper Feed Unit:+24V	P					4
		B13	Paper Feed Unit:+24V	P					3
		B14	Paper Feed Unit:+24V	P					2
		B15	Paper Feed Unit:+24V	P					1
		B16	N.C.	N					-

Connector (FROM)			Signal Information				Connector (TO)				
No	To Connector	Pin No	Signal Name	Direction	L	H	No	To Connector	Pin No		
CN125	BCU CN125	1	Fusing Generational Detection:Generational Detection	←	First Generation	Second Generation	CN18	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:Atmosphere	←					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				JCN19	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 Detection:GND	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 Detection:GND	G				1			
CN127	BCU CN127	1	Temperature/ Humidity Sensor:FB(Temperature)	←			CN20	Temperature/ Humidity Sensor	4		
		2	Temperature/ Humidity Sensor:GND	G					3		
		3	Temperature/ Humidity Sensor:FB(Humidity)	←					2		
		4	Temperature/ Humidity Sensor:+5V	P					1		
CN128	BCU CN128	1	Paper Transfer Roller Contact Motor:OUT1A	→			JCN21	Paper Transfer Roller Contact Motor	2		
		2	Paper Transfer Roller Contact Motor:OUT1B	→			1				
		3	Toner Collection Motor Connecting Detection:GND	G			JCN22		Toner Collection Motor	4	
		4	Toner Collection Motor:OUT1B	→			3				
		5	Toner Collection Motor:OUT1A	→			2				
		6	Toner Collection Motor Connecting Detection	←	Connect	Not Connect	1				
		7	Paper Transfer Roller Contact Sensor:GND	G			JCN24	Paper Transfer Roller Contact Sensor	3		
		8	Paper Transfer Roller Contact Sensor:Output	←	Not Contact	Contact	2				
		9	Paper Transfer Roller Contact Sensor:5V	P			1				
		10	LDU Shutter Sensor:GND	G			JCN23	LDU Shutter Motor/Sensor	5		
		11	LDU Shutter Sensor:Output	←	Not HP	HP	4				
		12	LDU Shutter Sensor:5V	P			3				
		13	LDU Shutter Motor:OUT1A	→			2				
		14	LDU Shutter Motor:OUT1B	→			1				
		15	ITB Unit:New Unit Detection	←	Old Unit	New Unit	JCN26	ITB Unit	6		
		16	ITB Unit:24VS2	P			5				
		17	ITB Rotation Sensor:GND	G			4				
		18	ITB Rotation Sensor:Output	←			3				
		19	ITB Rotation Sensor:5V	P			2				
		-	N.C.	N			1				
		20	Transfer Belt Contact Sensor:GND	G			JCN27	Transfer Belt Contact Sensor	3		
		21	Transfer Belt Contact Sensor:Output	←	Not Connect	Connect	2				
		22	Transfer Belt Contact Sensor:+5V	P				1			
		23	Thermopile:N.C	N			CN28	Thermopile	4		
		24	Thermopile:+5V	P					3		
		25	Thermopile:GND	G					2		
		26	Thermopile:FB	←					1		
		27	N.C.	N				-			
28	N.C.	N				-					
CN129	BCU CN129	1	Paper Feed Solenoid:+24VS2	P			CN29	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					JCN30	Registration Sensor	3
		16	Registration Sensor:Output	←	Detect	Not Detect			2		
CN126	BCU CN126	17	Registration Sensor:+5V	P			1				
		A1	Inverter Sensor:GND	G			JCN31	Inverter Sensor	3		
		A2	Inverter Sensor:Output	←	Detect	Not Detect	2				
		A3	Inverter Sensor:+5V	P			1				
		A4	N.C.	N				-			
		A5	N.C.	N				-			
		A6	N.C.	N				-			
		A7	Duplex Entrance Sensor:GND	G			JCN32	Duplex Entrance Sensor	3		
		A8	Duplex Entrance Sensor:Output	←	Detect	Not Detect	2				
		A9	Duplex Entrance Sensor:5V	P			1				
		A10	Duplex Exit Sensor:GND	G			JCN33	Duplex Exit Sensor/Fusing Entrance Sensor	6		
		A11	Duplex Exit Sensor:Output	←	Detect	Not Detect	5				
		A12	Duplex Exit Sensor:+5V	P			4				
		A13	Fusing Entrance Sensor:GND	G			3				
		A14	Fusing Entrance Sensor:Output	←	Detect	Not Detect	2				
		A15	Fusing Entrance Sensor:+5V	P			1				
		B1	HVPS: D: SC Detection	←	Trouble	Normal	JCN34	HVPS: D/By-pass Solenoid/By-pass Paper End Sensor	9		
		B2	HVPS: D:Separation PWM	→	OFF	ON	8				
		B3	HVPS: D:GND	G			7				
		B4	HVPS: D:24VS2	P			6				
		B5	By-pass Solenoid:+24VS2	P			6				
		B6	By-pass Solenoid:Control	→	ON	OFF	4				
		B7	By-pass Paper End Sensor:GND	G			3				
		B8	By-pass Paper End Sensor:Output	←	Not End	End	2				
B9	By-pass Paper End Sensor:+5V	P			1						
B10	N.C.	N				-					
B11	N.C.	N				-					
B12	N.C.	N				-					
B13	N.C.	N				-					
B14	N.C.	N				-					
B15	N.C.	N				-					
CN120	BCU CN120	1	Fusing Fan 1:Control	→	OFF	ON	JCN35	Fusing Fan 1/Fusing Fan 2	6		
		2	Fusing Fan 1:Locking Detection	←	Normal	Trouble			5		
		3	Fusing Fan 1:GND	G					4		
		4	Fusing Fan 2:Control	→	OFF	ON			3		
		5	Fusing Fan 2:Locking Detection	←	Normal	Trouble			2		
		6	Fusing Fan 2:GND	G					1		
		7	Toner Supply Fan:Control	→	OFF	ON	CN36	Toner Supply Fan	3		
		8	Toner Supply Fan:Locking Detection	←	Normal	Trouble			2		
		9	Toner Supply Fan:GND	G					1		
		10	Fusing Cooling Fan:Control	→	OFF	ON	JCN37	Fusing Cooling Fan	3		
		11	Fusing Cooling Fan:Locking Detection	←	Normal	Trouble			2		
		12	Fusing Cooling Fan:GND	G					1		

Connector (FROM)			Signal Information				Connector (TO)				
No	To Connector	Pin No	Signal Name	Direction	L	H	No	To Connector	Pin No		
CN101	BCU CN101	1	24VS1	P			CN911	PSU CN911	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					
JCN1	Relay Jig	1	Relay Jig(24V)	P			CN913	PSU 913	12		
		2	GND	G					11		
		3	Relay Jig(trigger)	→					10		
CN102	BCU CN102	1	N.C.	N					-		
		2	PSU Cooling Fan Control Signal	→	OFF	ON			9		
		3	Tray Heater Relay Trigger	→	OFF	ON			8		
		4	Fusing Lamp Relay Trigger	→	OFF	ON			7		
		5	Pressure Roller Fusing lamp:Triac:Control	→	OFF	ON			6		
		6	Heating lamp:Triac:Control:Edge	→	OFF	ON			5		
		7	Heating lamp:Triac:Control:Center	→	OFF	ON			4		
		8	Zero-cross Signal	←					3		
		9	GND	G					2		
		10	24VS(For Fusing Lamp Relay)	P					1		
CN115	BCU CN115	1	Transfer Belt Contact Motor:OUT1A	→			JCN1	Transfer Belt Contact Motor	2		
		2	Transfer Belt Contact Motor:OUT1B	→					1		
		3	Toner Supply Motor: K:OUT1A	→			JCN2	Toner Supply Motor: K	2		
		4	Toner Supply Motor: K:OUT1B	→					1		
		5	Toner Supply Motor: M:OUT2A	→			JCN3	Toner Supply Motor: M	2		
		6	Toner Supply Motor: M:OUT2B	→					1		
		7	Toner Supply Motor: C:OUT1A	→			JCN4	Toner Supply Motor: C	2		
		8	Toner Supply Motor: C:OUT1B	→					1		
		9	Toner Supply Motor: Y:OUT2A	→			JCN5	Toner Supply Motor: Y	2		
		10	Toner Supply Motor: Y:OUT2B	→					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			CN7	Toner End Sensor: K	3		
		18	Toner End Sensor: K:Output	←	Toner Empty	Toner Remaining			2		
		19	Toner End Sensor: K:+5V_TE	P	ON/OFF(Under 5V_TE)		CN8	Toner End Sensor: M	3		
		20	Toner End Sensor: M:GND	G					2		
		21	Toner End Sensor: M:Output	←	Toner Empty	Toner Remaining					
		22	Toner End Sensor: M:+5V_TE	P	ON/OFF(Under 5V_TE)		CN9	Toner End Sensor: C	3		
		23	Toner End Sensor: C:GND	G					2		
		24	Toner End Sensor: C:Output	←	Toner Empty	Toner Remaining	CN10	Toner End Sensor: Y			
		25	Toner End Sensor: C:+5V_TE	P	ON/OFF(Under 5V_TE)				3		
		26	Toner End Sensor: Y:GND	G					2		
		27	Toner End Sensor: Y:Output	←	Toner Empty	Toner Remaining					
		28	Toner End Sensor: Y:+5V_TE	P	ON/OFF(Under 5V_TE)						
		29	N.C.	N					-		
		30	N.C.	N					-		
		31	N.C.	N					-		
		32	N.C.	N					-		
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
		16	Toner Collection Bottle Set Sensor:Setting Detection	←	Set	Not Set			CN2	Toner Collection Bottle Set Sensor	5
		17	Toner Collection Bottle Set Sensor:GND	G							4
		18	Toner Collection Bottle Full Sensor:GND	G							3
		19	Toner Collection Bottle Full Sensor:Output	←							2
		20	Toner Collection Bottle Full Sensor:5V	P							1
CN119	BCU CN119	1	Development Fan 1:Control	→	OFF	ON	JCN4	Development Fan 1	3		
		2	Development Fan 1:Locking Detection	←	Normal	Trouble			2		
		3	Development Fan 1:GND	G					1		
		4	Development Fan 2:Control	→	OFF	ON	JCN7	Development Fan 2	3		
		5	Development Fan 2:Locking Detection	←	Normal	Trouble			2		
		6	Development Fan 2:GND	G					1		
		7	Laser Unit Fan:Control	→	OFF	ON	CN5	Laser Unit Fan	3		
		8	Laser Unit Fan:Locking Detection	←	Normal	Trouble			2		
		9	Laser Unit Fan:GND	G					1		
		10	Drive Unit Fan:Control	→	OFF	ON	CN6	Drive Unit Fan	3		
		11	Drive Unit Fan:Locking Detection	←	Normal	Trouble			2		
		12	Drive Unit Fan:GND	G					1		
		13	N.C.	N					-		
		14	N.C.	N					-		
		15	N.C.	N					-		
CN124	BCU CN124	1	HVPS:C/B:SC Detection	←	Trouble	Normal	CN8	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					22
		13	HVPS:C/B:Charge AC:PWM:C	→	OFF	ON					21
		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:Trigger	→							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:C	→	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		
JCN1	M0665300 CN18	1	Fusing:Generational Detection:Generational Detection	←	First Generation	Second Generation	CN2 (CN4 Drawer)	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:Atmosp here	←					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		
CN5	M0665300 JCN19	1	GND	G			CN3 (CN4 Drawer)	Fusing Unit	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 Detection:GND	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 Detection:GND	G					2		
CN905	PSU	1	Pressure Roller Fusing lamp:N	P			CN4 (Drawer)	Fusing Unit	1		
CN904		3	Heating lamp:1(COMMON)	P					2		
T1	FG		EARTH(CN4-3G)	FG					3G		
CN905	PSU	2	Pressure Roller Fusing lamp:L (COMMON)	P					4		
CN904		1	Heating lamp 1 :N(Center)	P					5		
		2	Heating lamp 2 :N(Edge)	P					6		
JCN1	M0665300 CN16	1	N.C.	N			CN3	Paper Feed Unit	8		
		2	Paper Feed Unit:RXD	←					7		
		3	Paper Feed Unit:TXD	→					6		
		4	Paper Feed Unit:GND	G					5		
		5	Paper Feed Unit:+5V	P					4		
		6	Paper Feed Unit:GND	G					3		
		7	Paper Feed Unit:GND	G					2		
		8	Paper Feed Unit:GND	G					1		
CN2	M0665300 JCN17	1	Paper Feed Unit:GND	G			CN4	Paper Feed Unit	7		
		2	Paper Feed Unit:GND	G					6		
		3	Paper Feed Unit:+24V	P					5		
		4	Paper Feed Unit:+24V	P					4		
		5	Paper Feed Unit:+24V	P					3		
		6	Paper Feed Unit:+24V	P					2		
		7	Paper Feed Unit:+24V	P					1		
JCN1	M0665305 CN8	1	HVPS:C/B:SC Detection	←	Trouble	Normal	CN810	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	CN811	HVPS : C/B	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:Trigger	→					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			-				
JCN2	M0665305 CN5	1	Laser Unit Fan:Control	→	OFF	ON	JCN3	Laser Unit Fan	3		
		2	Laser Unit Fan:Locking Detection	←	Normal	Trouble			2		
		3	Laser Unit Fan:GND	G					1		
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		
CN109	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	→	Start	Stop			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				
		13	PCL:M:+24VS1	P			CN2	TD Sensor:M	8		
		14	PCL:CL:Control	→	ON	OFF			7		
		15	TD Sensor:M:SDA	↔					5		
		16	TD Sensor:M:SCL	→					6		
		17	TD Sensor:M:PWM	→	OFF	ON			4		
		18	TD Sensor:M:5V(For TD Sensor)	P	ON/OFF(Under 5V_HST)				3		
		19	TD Sensor:M:FB	←					2		
		20	TD Sensor:M:GND	G					1		
		21	PCL:Y:+24VS1	P					CN3	TD Sensor:Y	8
		22	PCL:CL:Control	→	ON	OFF					7
		23	TD Sensor:Y:SDA	↔			5				
		24	TD Sensor:Y:SCL	→			6				
		25	TD Sensor:Y:PWM	→	OFF	ON	4				
		26	TD Sensor:Y:5V(For TD Sensor)	P	ON/OFF(Under 5V_HST)		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	Development 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	→	Start	Stop			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		

Connector (FROM)			Signal Information				Connector (TO)		
No	To Connector	Pin No	Signal Name	Direction	L	H	No	To Connector	Pin No
T17	T1-1		Image Transfer T1:Y	P			T18	Image Transfer 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		
CN211	Bridge Board CN211	1	Power:LD:+5VS	P			CN912	PSU CN912	13
		2	GND	G					12
		3	Power:Polygon:+24V	P					11
		4	GND	G					10
		5	Power:Engine:+5V	P					9
		-	N.C.	N					8
		6	GND	G					7
		7	GND	G					6
		8	5V Power Control Signal	→					5
		9	GND	G					4
		10	GND	G					3
		11	Power:Controller:+5VE	P					2
		12	Power:Controller:+5VE	P					1
CN203	Bridge Board CN203	1	GND	G			CN113	BCU CN113	2
		2	3.3V	P					1
CN103	BCU CN103	-	N.C.	N			CN1	Paper Feed Motor	6
		1	Paper Feed Motor:B Phase	→					5
		2	Paper Feed Motor:A Phase	→					4
		3	Paper Feed Motor:/B Phase	→					3
		4	Paper Feed Motor:/A Phase	→				Registration Motor	2
		-	N.C.	N					1
		-	N.C.	N			CN2		6
		5	Registration Motor:B Phase	→					5
		6	Registration Motor:A Phase	→				Duplex/By-pass Motor	4
		7	Registration Motor:/B Phase	→					3
		8	Registration Motor:/A Phase	→					2
		-	N.C.	N					1
		9	Duplex/By-pass Motor:B Phase	→			JCN3	Duplex/By-pass Motor	4
		10	Duplex/By-pass Motor:A Phase	→					3
		11	Duplex/By-pass Motor:/B Phase	→					2
		12	Duplex/By-pass Motor:/A Phase	→					1
		-	N.C.	N			CN4	Inverter Motor	6
		13	Inverter Motor:B Phase	→					5
		14	Inverter Motor:A Phase	→					4
		15	Inverter Motor:/B Phase	→					3
		16	Inverter Motor:/A Phase	→				Vertical Transport Motor	2
		-	N.C.	N					1
		-	N.C.	N			CN5		6
		17	Vertical Transport Motor:B Phase	→					5
		18	Vertical Transport Motor:A Phase	→					4
		19	Vertical Transport Motor:/B Phase	→					3
		20	Vertical Transport Motor:/A Phase	→					2
		-	N.C.	N					1
CN914	PSU CN914	1	24-ON	P			CN6	Interlock SW	1
		2	24-ON	P			CN7		1
		3	24VS1	P			CN6		2
		4	24VS2	P			CN7		2
Inlet	power cord	L	AC_IN L	P				PSU	T901
		N	AC_IN N	P					T902
		E	EARTH	G					T1
CN906	PSU CN906	1	N.C.	N					-
		2	Tray Heater(Mainframe):L	P			CN1	Tray Heater (Mainframe)	1
		3	Tray Heater(Optional Unit):L	P			CN2	Tray Heater (Optional Unit)	1
		4	N.C.	N					-
		5	Tray Heater(Mainframe):N	P			CN1	Tray Heater (Mainframe)	2
		6	Tray Heater(Optional Unit):N	P			CN2	Tray Heater (Optional Unit)	2
FFC	BCU CN112	1	data15	↔			FFC	Bridge Board CN201	50
		2	data14	↔					49
		3	data13	↔					48
		4	data12	↔					47
		5	GND	G					46
		6	data11	↔					45
		7	data10	↔					44
		8	data9	↔					43
		9	data8	↔					42
		10	GND	G					41
		11	data7	↔					40
		12	data6	↔					39
		13	data5	↔					38
		14	data4	↔					37
		15	GND	G					36
		16	data3	↔					35
		17	data2	↔					34
		18	data1	↔					33
		19	data0	↔					32
		20	GND	G					31
		21	GND	G					30
		22	address30	→					29
		23	address29	→					28
		24	address28	→					27
		25	address27	→					26
		26	GND	G					25
		27	address26	→					24
		28	address25	→					23
		29	address24	→					22
		30	address23	→					21
		31	GND	G					20
		32	address22	→					19
		33	address21	→					18
		34	address20	→					17
		35	address19	→					16
		36	GND	G					15
		37	address18	→					14
		38	address17	→					13
		39	address16	→					12
		40	GND	G					11
		41	GND	G					10
		42	IPU Data Bus Direction Change	→					9
		43	IPUaddress latch	→					8
		44	GND	G					7
		45	IPU Write	→					6
		46	IPU Read	←					5
		47	PONAPE Chip Selection	→					4
		48	PONAPE Interrupt	←					3
		49	IPU Reset Cancel OK	→					2
		50	IPU Reset	→					1
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	←			JCN1	PCDU	4
		2	Charge AC:M:FB	←					3
		3	Charge AC:C:FB	←					2
		4	Charge AC:K:FB	←					1

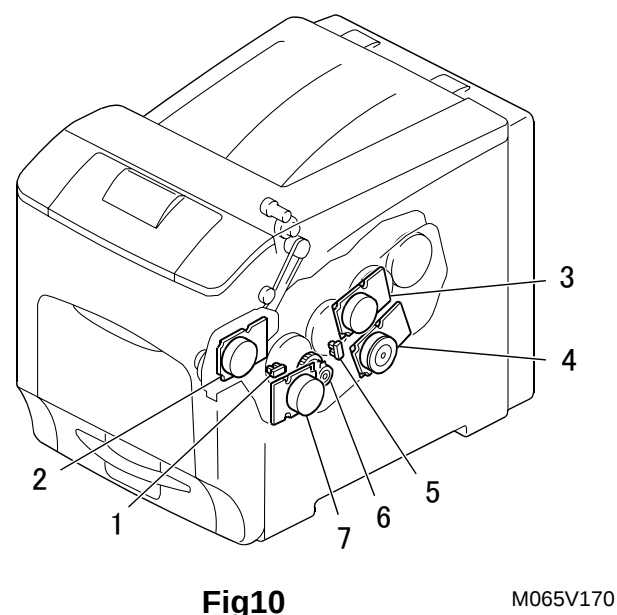
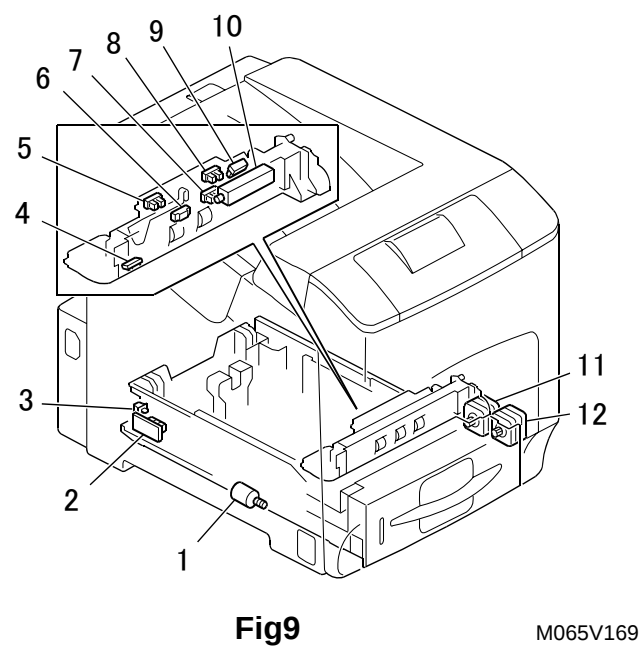
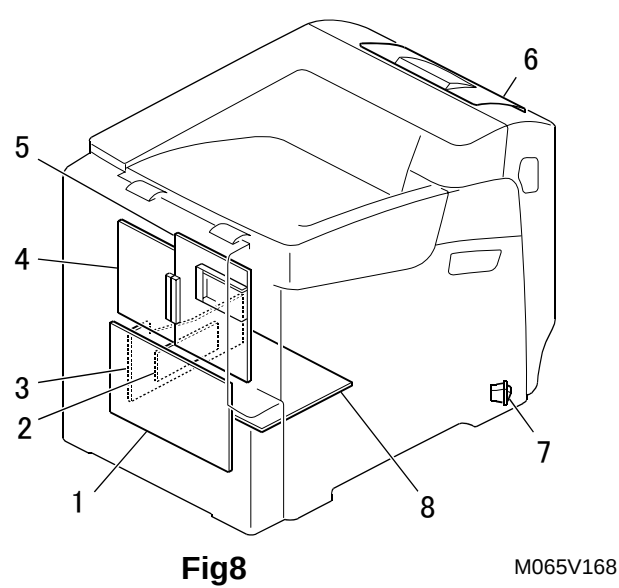
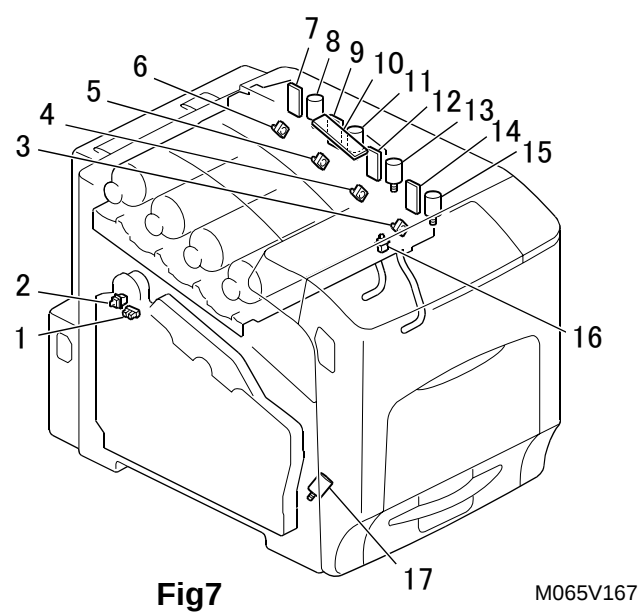
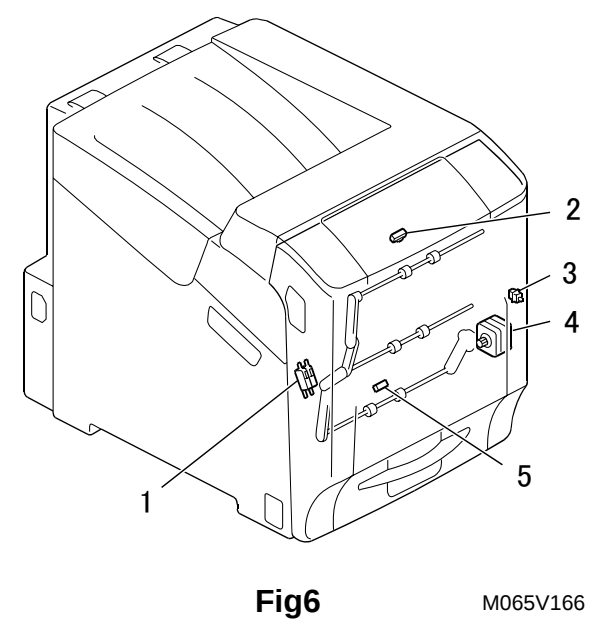
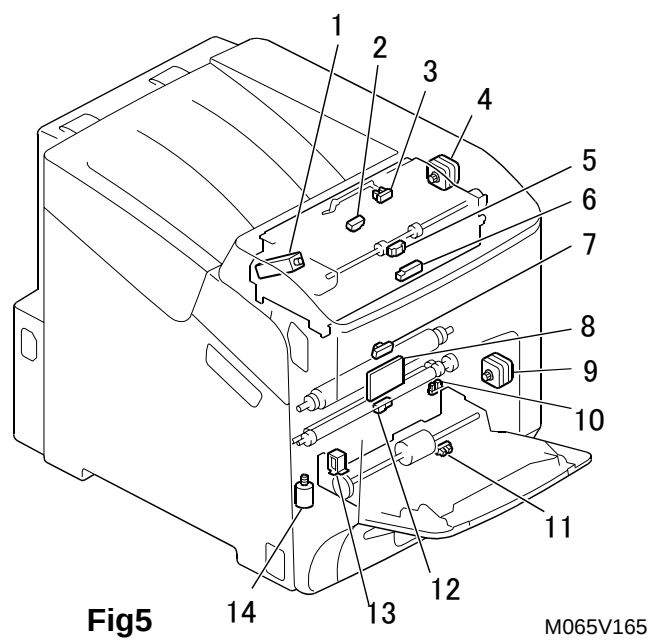
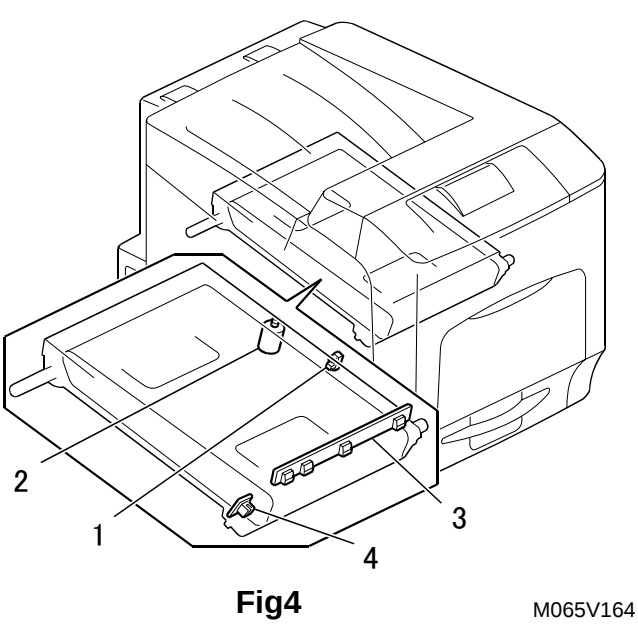
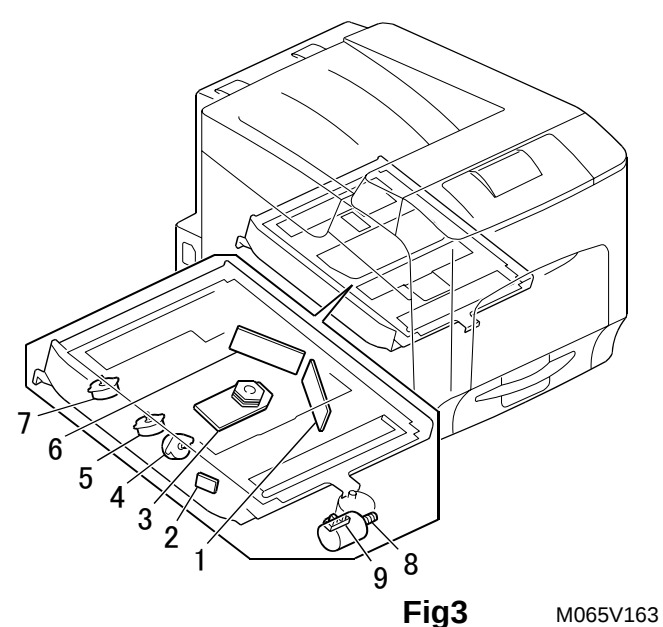
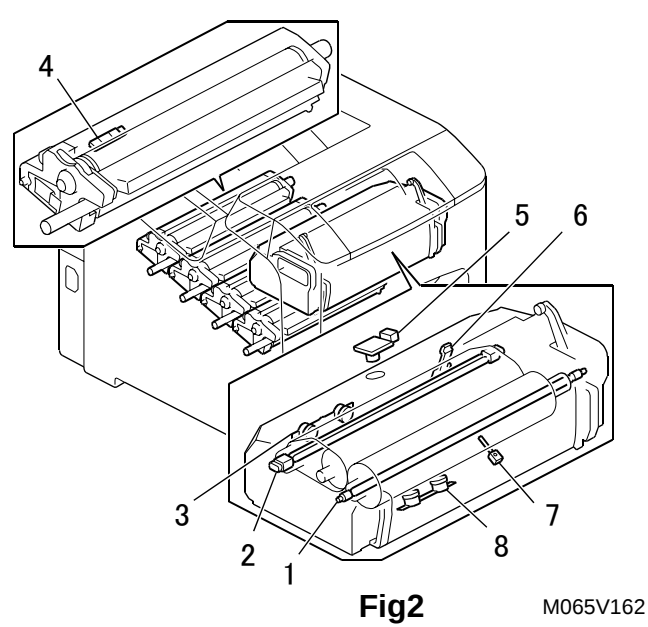
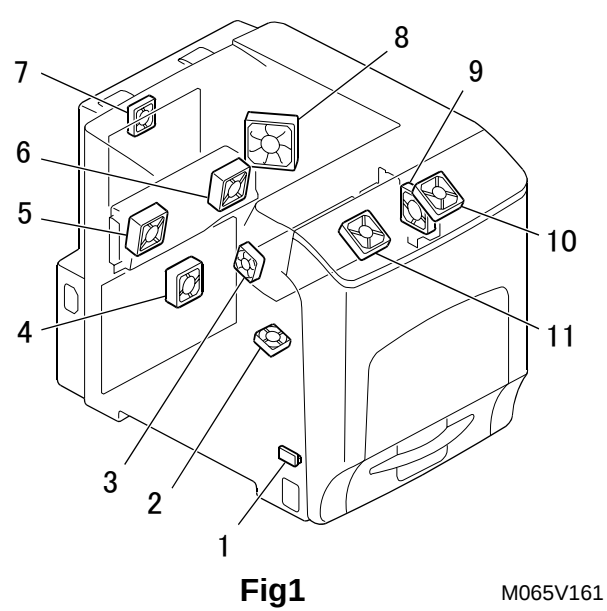
Connector (FROM)			Signal Information		Direction	L	H	No	Connector (TO)		
No	To Connector	Pin No	Signal Name						To Connector	Pin No	
T15	C-4		Charge C:Y	P				T2	PCDU		
T13	C-3		Charge C:M	P				T4			
T11	C-2		Charge C:C	P				T6			
T9	C-1		Charge C:K	P				T8			
CN2	JCN1	1	Charge C:Y:FB	←				T27	PCDU		
		2	Charge C:M:FB	←				T28			
		3	Charge C:C:FB	←				T29			
		4	Charge C:K:FB	←				T30			
CN1	M0665300 JCN24	1	Paper Transfer Roller Contact Sensor:GND	G				CN2	Paper Transfer Roller Contact Sensor	3	
		2	Paper Transfer Roller Contact Sensor:Output	←	Not Contact	Contact				2	
		3	Paper Transfer Roller Contact Sensor:5V	P						1	
CN1	M0665300 JCN4 JCN7	1	Drum Phase Sensor:GND	G				CN2	Drum Phase Sensor :Bk/Fc	3	
		2	Drum Phase Sensor:Output	←	Not Detect	Detect				2	
		3	Drum Phase Sensor:5V	P						1	
CN1	M0665300 JCN27	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	
CN2	M0665300 JCN26	1	ITB Unit-New Unit Detection	←	Old Unit	New Unit	CN1(Drawer)	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		
JCN2	M0665300 CN10(K) /CN8(C) /M665313 CN2(M) /CN3(Y)	1	PCL:+24VS1	P			CN1(Drawer)	TD Sensor	8		
		2	PCL:Control	→	ON	OFF			7		
		3	TD Sensor:SCL	→					6		
		4	TD Sensor:SDA	↔					5		
		5	TD Sensor:PWM	→	OFF	ON			4		
		6	TD Sensor:5V(For TD Sensor)	P	ON/OFF(Under 5V_HST)				3		
		7	TD Sensor:FB	←					2		
		8	TD Sensor:GND	G					1		
CN18	M0665305 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	→							
		7	Lens Positioning Motor:C:/B Phase	→					5		
		8	Lens Positioning Motor:C:+24V	P				4			
		9	Lens Positioning Motor:C:B Phase	→				3			
		10	Lens Positioning Motor:C:A Phase	→				2			
		11	Lens Positioning Motor:Y:/A Phase	→				1			
		12	Lens Positioning Motor:Y:/B Phase	→			CN20	Lens Positioning Motor:C	5		
		13	Lens Positioning Motor:Y:+24V	P					4		
		14	Lens Positioning Motor:Y:B Phase	→					3		
		15	Lens Positioning Motor:Y:A Phase	→					2		
CN10	M0665244 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		
		7	+5V	P					2		
		8	GND	G					1		
		1	+24VB	P					CN1	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				
		CN10	M0665244 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)			P			2				
-	N.C.	N			1						
CN11	M0665244 JCN232	1	GND	G			CN3	LDB(KC)	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				
CN1	M0665300 JCN23	1	LDU Shutter Sensor:GND	G			CN3	LDU Shutter Sensor	3		
		2	LDU Shutter Sensor:Output	←	Not HP	HP			2		
		3	LDU Shutter Sensor:5V	P					1		
		4	LDU Shutter Motor:OUT1A	→			CN2	LDU Shutter Motor	2		
		5	LDU Shutter Motor:OUT1B	→					1		

Connector (FROM)			Signal Information			Connector (TO)		
No	To Connector	Pin No	Signal Name	Direction	L	H	No	To Connector
CN1 (Drawer)	M0281190x4	1	TD Sensor:GND	G			CN2	TD Sensor
		2	TD Sensor:FB	←				
		3	TD Sensor:5V(For TD Sensor)	P	ON/OFF(Under 5V_HST)			
		4	TD Sensor:PWM	→	OFF	ON		
		5	TD Sensor:SDA	↔				
		6	TD Sensor:SCL	→				
CN2	M0663167x4	1	TD Sensor:SCL	→			CN1	TD Sensor
		2	TD Sensor:SDA	↔				
		3	TD Sensor:PWM	→	OFF	ON		
		4	TD Sensor:5V(For TD Sensor)	P	ON/OFF(Under 5V_HST)			
		5	TD Sensor:FB	←				
		6	TD Sensor:GND	G				
CN1	M0665300 JCN30	1	Registration Sensor:GND	G			CN2	Registration Sensor
		2	Registration Sensor:Output	←	Detect	Not Detect		
		3	Registration Sensor:+5V	P				
CN1	Tray1 Set Sensor	1	Tray1 Set Sensor:GND	G			CN2	Paper Size Sensor Board
		2	Tray1 Set Sensor:Output	←				
JCN1	M0665300 CN13	1	Paper Height Sensor1:GND	G			CN3	Paper Height Sensor1
		2	Paper Height Sensor1:Output	←				
		3	Paper Height Sensor1:+5V	P				
		4	Paper Height Sensor2:GND	G				
		5	Paper Height Sensor2:Output	←				
		6	Paper Height Sensor2:+5V	P				
JCN2	M0665300 CN29	1	Paper Feed Solenoid:+24VS2	P			JCN5	Paper Feed Solenoid
		2	Paper Feed Solenoid:Control	→	ON	OFF		
		3	Paper Feed Sensor:GND	G			CN6	Paper Feed Sensor
		4	Paper Feed Sensor:Output	←	Detect	Not Detect		
		5	Paper Feed Sensor:+5V	P			CN7	Vertical Transport Sensor
		6	Vertical Transport Sensor:GND	G				
		7	Vertical Transport Sensor:Output	←	Detect	Not Detect		
		8	Vertical Transport Sensor:+5V	P				
		9	Paper End Sensor:GND	G			CN8	Paper End Sensor
		10	Paper End Sensor:Output	←	Detect	Not Detect		
		11	Paper End Sensor:+5V	P				
		12	Paper Lift Sensor:GND	G			CN9	Paper Lift Sensor
		13	Paper Lift Sensor:Output	←	Detect	Not Detect		
CN1	M0665306 CN4	1	Pressure Roller Fusing lamp:N	P				Pressure Roller Fusing lamp/Heating lamp
		2	Heating lamp:L(COMMON)	P				
		3	EARTH	FG				
		4	Pressure Roller Fusing lamp:L (COMMON)	P				
		5	Heating lamp 1 :N(Center)	P				
		6	Heating lamp 2 :N(Edge)	P				
CN2		1	Destination/Machine Detection:2	←			CN2	Destination/Machine Detection/Generation/New Unit Detection
		2	Destination/Machine Detection:3/GND	G				
		3	Destination/Machine Detection:4	←				
		5	Setting Detection /GND	G				
		7	Destination/Machine Detection:1	←				
		8	Destination/Machine Detection:GND	G				
		9	N.C.	N				
		12	N.C.	N				
CN3		1	Generational Detection/GND	G			CN3	Thermistor
		3	New Unit Detection	←	New Unit	Old Unit		
		4	New Unit Detection:GND	G				
		5	Thermistor:Heating:Edge	←				
		6	Thermistor:Heating:Edge:GND	G				
		7	Thermistor:Heating:Atmosphere	←				
		8	Thermistor:Heating:Atmosphere:GND	G				
		9	Thermistor:Pressure	←				
		10	Thermistor:Pressure:GND	G				
		11	N.C.	N				
CN1	RFID-CPU CN501	1	Signal Ground	G			CN2	RFID-AFE_BK
		2	AFE Sending Output	→				
		3	AFE Reception Input	←				
		4	Clock Output 3	→				
		5	+5V Power Supply	P				
		6	Signal Ground	G				
		7	AFE Sending Output	→				
		8	AFE Reception Input	←				
		9	Clock Output 2	→				
		10	+5V Power Supply	P				
		11	Signal Ground	G				
		12	AFE Sending Output	→				
		13	AFE Reception Input	←				
CN1	M0665300 JCN3	1	Paper Exit Sensor:GND	G			CN2	Paper Exit Sensor
		2	Paper Exit Sensor:Output	←	Detect	Not Detect		
		3	Paper Exit Sensor:+5V	P				
		4	Paper Overflow Sensor:GND	G				
		5	Paper Overflow Sensor:Output	←	Not Full	Full		
		6	Paper Overflow Sensor:+5V	P				
		7	Fusing Exit Sensor:5V	P				
		8	Fusing Exit Sensor:Output	←	Not Detect	Detect		
		9	Fusing Exit Sensor:GND	G				
		10	Junction Gate Solenoid:+24VS1	P	ON	OFF		
		11	Junction Gate Solenoid:Control	→				
		12	N.C.	N				
		13	N.C.	N				
CN6	M0665300 JCN31	1	Inverter Sensor:GND	G			CN7	Inverter Sensor
		2	Inverter Sensor:Output	←	Detect	Not Detect		
		3	Inverter Sensor:+5V	P				
CN1	M0664654 CN6	1	Duplex Exit Sensor:GND	G			CN2	Duplex Exit Sensor
		2	Duplex Exit Sensor:Output	←	Detect	Not Detect		
		3	Duplex Exit Sensor:+5V	P				
		4	Fusing Entrance Sensor:GND	G				
		5	Fusing Entrance Sensor:Output	←	Detect	Not Detect		
		6	Fusing Entrance Sensor:+5V	P				
		7	HVPS (D) :SC Detection	←	Trouble	Normal		
		8	HVPS (D) :Separation PWM	→	OFF	ON		
		9	HVPS (D) :GND	G				
		10	HVPS (D) :24VS2	P				
CN1	M0665300 JCN32	1	Duplex Entrance Sensor:GND	G			CN7	Duplex Entrance Sensor
		2	Duplex Entrance Sensor:Output	←	Detect	Not Detect		
		3	Duplex Entrance Sensor:5V	P				

Connector (FROM)			Signal Information			Connector (TO)			
No	To Connector	Pin No	Signal Name	Direction	L	H	No	To Connector	Pin No
CN2	M0665300 JCN33	1	Duplex Exit Sensor:GND	G			CN6	Duplex Exit Sensor/Fusing Entrance Sensor/HVPS (D)	10
		2	Duplex Exit Sensor:Output	←	Detect	Not Detect			9
		3	Duplex Exit Sensor:+5V	P					8
		4	Fusing Entrance Sensor:GND	G					7
		5	Fusing Entrance Sensor:Output	←	Detect	Not Detect			6
		6	Fusing Entrance Sensor:+5V	P					5
CN3	M0665300 JCN34	1	HVPS (D) :SC Detection	←	Trouble	Normal	JCN15	By-pass Solenoid	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					2
		6	By-pass Solenoid:Control	→	ON	OFF			1
		7	By-pass Paper End Sensor:GND	G			JCN14	By-pass Paper End Sensor	3
		8	By-pass Paper End Sensor:Output	←	Not End	End			2
		9	By-pass Paper End Sensor:+5V	P					1
CN4	M0665300 JCN35	1	Fusing Fan 1:Control	→	OFF	ON	JCN8	Fusing Fan 1	3
		2	Fusing Fan 1:Locking Detection	←	Normal	Trouble			2
		3	Fusing Fan 1:GND	G					1
		4	Fusing Fan 2:Control	→	OFF	ON	JCN9	Fusing Fan 2	3
		5	Fusing Fan 2:Locking Detection	←	Normal	Trouble			2
		6	Fusing Fan 2:GND	G					1
CN5	M0665325 JCN3	-	N.C.	N			CN11	Duplex/By-pass Motor	6
		1	Duplex/By-pass Motor:B Phase	→					5
		2	Duplex/By-pass Motor:A Phase	→					4
		3	Duplex/By-pass Motor:B Phase	→					3
		4	Duplex/By-pass Motor:A Phase	→					2
CN12	M0665241 JCN2	-	N.C.	N			CN13	Operation Panel	1
		1	N.C.	N					-
		2	N.C.	N					-
		3	N.C.	N					-
		4	N.C.	N					-
		5	State transition Request	←					8
		6	GND	G					7
		7	Sending and ReceptionData Clock	→					6
		8	GND	G					5
		9	Reception Data	←					4
		10	Sending Data	→					3
		11	Power:+5VE	P					2
		12	Power:+5VE	P					1
		T1	EARTH	FG			JCN2	Operation Panel	T2
		-	N.C.	N					12
		-	N.C.	N					11
		-	N.C.	N					10
		-	N.C.	N					9
CN206	Bridge Board CN206	1	State transition Request	←			JCN231	LDB_Bk	8
		2	GND	G					7
		3	Sending and ReceptionData Clock	→					6
		4	GND	G					5
		5	Reception Data	←					4
		6	Sending Data	→					3
		7	Power:+5VE	P					2
		8	Power:+5VE	P					1
CN219	Bridge Board CN219	1	Ma:light Adjustment DAC LD2	→	Analog	Analog	JCN232	LDB_M	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
		CN222	Bridge Board CN222	1	Bk:light Adjustment DAC LD2	→			Analog
2	Bk:light Adjustment DAC LD1			→	Analog	Analog	25		
3	Bk:LD Extinction			→	OFF	ON	24		
4	Bk:APC Control LD2			→	ON	OFF	23		
5	Bk:APC Control LD1			→	ON	OFF	22		
6	Bk LD2 Data-			→			21		
7	Bk LD2 Data+			→			20		
8	Bk LD1 Data-			→			19		
9	Bk LD1 Data+			→			18		
10	GND			G			17		
11	GND			G			16		
12	LD Power(+5VS)			P			15		
13	LD Power(+5VS)			P			-		
14	LD Power(+5VS)			P					
CN220	Bridge Board CN220	1	GND	G			JCN234	LDB_Y	13
		2	GND	G					12
		3	Cy:light Adjustment DAC LD2	→	Analog	Analog			11
		4	Cy:light Adjustment DAC LD1	→	Analog	Analog			10
		5	Bk,Cy:LD5V Power Error Detection	→	OFF	ON			9
		6	Bk,Cy:LD Error Detection	←	ON	OFF			8
		7	Cy:LD Extinction	→	OFF	ON			7
		8	Cy:APC Control LD2	→	ON	OFF			6
		9	Cy:APC Control LD1	→	ON	OFF			5
		10	Cy LD2 Data-	→					4
		11	Cy LD2 Data+	→					3
		12	Cy LD1 Data-	→					2
		13	Cy LD1 Data+	→					1
CN221	Bridge Board CN221	1	GND	G			JCN235	Polygon Mirror Motor	8
		2	GND	G					7
		3	Ye:light Adjustment DAC LD2	→	Analog	Analog			6
		4	Ye:light Adjustment DAC LD1	→	Analog	Analog			5
		5	Ye,Ma:LD Error Detection	←	ON	OFF			4
		6	Ye:LD Extinction	→	OFF	ON			3
		7	Ye:APC Control LD2	→	ON	OFF			2
		8	Ye:APC Control LD1	→	ON	OFF			1
		9	Ye LD2 Data-	→					
		10	Ye LD2 Data+	→					
		11	Ye LD1 Data-	→					
		12	Ye LD1 Data+	→					
CN218	Bridge Board CN218	-	N.C	N			JCN236	Polygon Mirror Motor	1
		1	+24VB	P					8
		2	GND	G					7
		3	Polygon Mirror Motor On	→					6
		4	Polygon Mirror Motor Ready	←					5
		5	Polygon Mirror Motor Clock	→					4
		6	Bk,Ye Leading Edge Synchronizing Detection Signal	←					3
		7	+5V	P					2
8	GND	G			1				

Connector (FROM)			Signal Information				Connector (TO)		
No	To Connector	Pin No	Signal Name	Direction	L	H	No	To Connector	Pin No
CN2 (Drawer)	M0281157 CN1	1	ITB Unit:New Unit Detection	←	Old Unit	New Unit	JCN1	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
CN2	M0665300 JCN11	1	ID Sensor:FB:Reflection:Re/Bk	←			CN1	ID Sensor	13
		2	ID Sensor:LED Drive:PWM:Re/Bk	→	OFF	ON			12
		3	ID Sensor:FB:Diffused Reflection:Cy	←					11
		4	ID Sensor:FB:Reflection:Ce/Cy	←					10
		5	ID Sensor:LED Drive:PWM:Ce/Cy	→	OFF	ON			9
		6	ID Sensor:FB:Diffused Reflection:M	←					8
		7	ID Sensor:FB:Reflection:M	←					7
		8	ID Sensor:LED Drive:PWM:M	→	OFF	ON			6
		9	ID Sensor:FB:Diffused Reflection:Y	←					5
		10	ID Sensor:FB:Reflection:Fr/Y	←					4
		11	ID Sensor:LED Drive:PWM:Fr/Y	→	OFF	ON			3
		12	ID Sensor:GND	G					2
		13	ID Sensor:5V	P					1
JCN1	M0665305 CN2	1	Toner Collection Bottle Set Sensor:Setting Detection	←	Set	Not Set	CN2	Toner Collection Bottle Set Sensor	2
		2	Toner Collection Bottle Set Sensor:GND	G					1
		3	Toner Collection Bottle Full Sensor:GND	G			CN3	Toner Collection Bottle Full Sensor	3
		4	Toner Collection Bottle Full Sensor:Output	←					2
		5	Toner Collection Bottle Full Sensor:5V	P					1
CN1	M0664654 JCN14	1	By-pass Paper End Sensor:GND	G			CN2	By-pass Paper End Sensor	3
		2	By-pass Paper End Sensor:Output	←	Not End	End			2
		3	By-pass Paper End Sensor:+5V	P					1
CN903	PSU CN903	1	AC_L_ON (White)	P			T4	Main Power Switch	
		2	AC_N_ON (Blue)	P			T3		
		3	AC_L (White)	P			T2		
		4	AC_N (Blue)	P			T1		

M065/M066 ELECTRICAL COMPONENT LAYOUT (1/2)

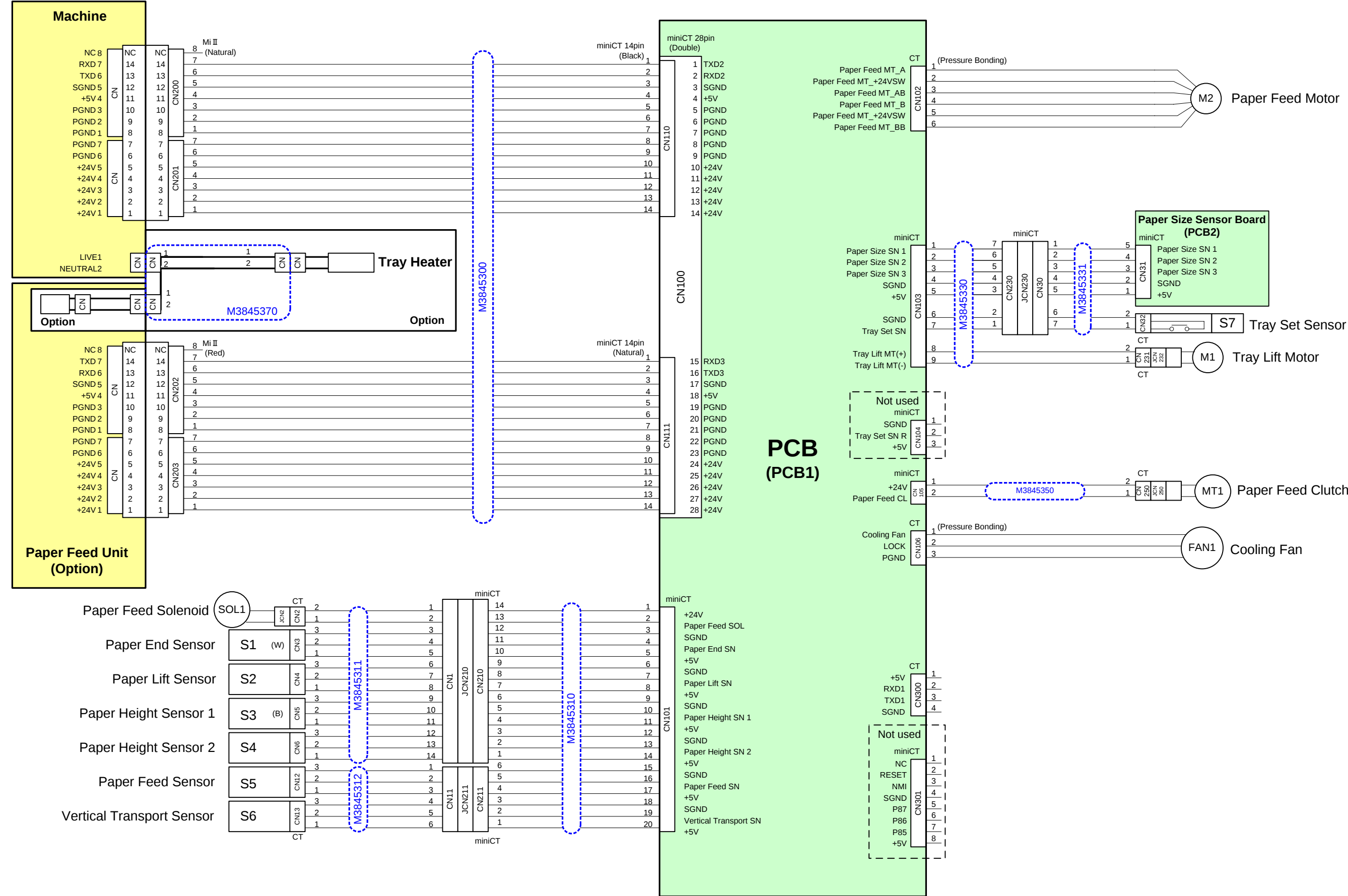


M065/M066 ELECTRICAL COMPONENT LAYOUT (2/2)

Symbol	Index No.	Description	P to P	Page
Motors				
M1	Fig10-2	Fusing/Paper Exit Motor	B3	1/2
M2	Fig10-7	ITB Unit/Drum: K/Development: K Motor	B3	1/2
M3	Fig9-1	Tray Lift Motor	C3	1/2
M4	Fig5-14	Paper Transfer Roller Contact Motor	E3	1/2
M5	Fig7-17	Toner Collection Motor	E3	1/2
M6	Fig3-8	LDU Shutter Motor	E3	1/2
M7	Fig9-12	Vertical Transport Motor	H6	1/2
M8	Fig5-4	Inverter Motor	G6	1/2
M9	Fig6-4	Duplex/By-pass Motor	G6	1/2
M10	Fig5-9	Registration Motor	G6	1/2
M11	Fig9-11	Paper Feed Motor	G6	1/2
M12	Fig10-4	Development Motor: CMY	F5	1/2
M13	Fig10-3	Drum Motor: CMY	F5	1/2
M14	Fig3-7	Lens Positioning Motor: Y	C6	1/2
M15	Fig3-4	Lens Positioning Motor: C	C6	1/2
M16	Fig3-5	Lens Positioning Motor: M	C6	1/2
M17	Fig7-8	Toner Supply Motor: Y	B5	1/2
M18	Fig7-13	Toner Supply Motor: C	B5	1/2
M19	Fig7-11	Toner Supply Motor: M	B5	1/2
M20	Fig7-15	Toner Supply Motor: K	B5	1/2
M21	Fig4-2	Transfer Belt Contact Motor	B5	1/2
M22	Fig3-3	Polygon Mirror Motor	C2	2/2
Sensors				
S1	Fig5-2	Paper Exit Sensor	A2	1/2
S2	Fig5-3	Paper Overflow Sensor	A2	1/2
S3	Fig5-6	Fusing Exit Sensor	A2	1/2
S4	Fig10-1	Drum Phase Sensor: K	B3	1/2
S5	Fig10-5	Drum Phase Sensor:	B3	1/2
S6	Fig2-4	TD Sensor: C	C2	1/2
S7	Fig2-4	TD Sensor: K	C2	1/2
S8	Fig9-8	Paper Height Sensor1	D2	1/2
S9	Fig9-9	Paper Height Sensor2	D2	1/2
S10	Fig1-1	Temperature/Humidity Sensor	E3	1/2
S11	Fig5-10	Paper Transfer Roller Contact Sensor	E2	1/2
S12	Fig3-9	LDU Shutter Sensor	E2	1/2
S13	Fig4-4	ITB Rotation Sensor	E2	1/2
S14	Fig4-1	Transfer Belt Contact Sensor	F2	1/2
S15	Fig2-5	Thermopile	F3	1/2
S16	Fig9-4	Paper Feed Sensor	F2	1/2
S17	Fig9-6	Vertical Transport Sensor	F2	1/2
S18	Fig9-5	Paper End Sensor	F2	1/2
S19	Fig9-7	Paper Lift Sensor	F2	1/2
S20	Fig5-12	Registration Sensor	F2	1/2
S21	Fig5-5	Inverter Sensor	G2	1/2
S22	Fig6-2	Duplex Entrance Sensor	G2	1/2
S23	Fig6-5	Duplex Exit Sensor	G2	1/2
S24	Fig5-7	Fusing Entrance Sensor	G2	1/2
S25	Fig5-11	By-pass Paper End Sensor	G2	1/2
S26	Fig2-4	TD Sensor: Y	F6	1/2
S27	Fig2-4	TD Sensor: M	F6	1/2
S28	Fig7-1	Waste Toner Bottle Full Sensor	D6	1/2
S29	Fig7-2	Waste Toner Bottle Set Sensor	D6	1/2
S30	Fig7-6	Toner End Sensor: Y	C5	1/2
S31	Fig7-4	Toner End Sensor: C	C5	1/2
S32	Fig7-5	Toner End Sensor: M	C5	1/2
S33	Fig7-3	Toner End Sensor: K	C5	1/2
S34	Fig3-2	Laser Synchronizing Detector	C2	2/2

Symbol	Index No.	Description	P to P	Page
Magnetic Clutches				
MC1	Fig10-6	Development Clutch: K	C3	1/2
Switches				
SW1	Fig6-3	Front Door Sensor	A3	1/2
SW2	Fig7-16	Upper Cover Sensor	A3	1/2
SW3	Fig9-3	Tray1 Set Sensor	D2	1/2
SW4	Fig6-1	Interlock Switch	D1	2/2
SW5	Fig8-7	Main Power Switch	D5	2/2
Solenoids				
SOL1	Fig5-1	Junction Gate Solenoid	A2	1/2
SOL2	Fig9-10	Paper Feed Solenoid	F2	1/2
SOL3	Fig5-13	By-pass Solenoid	G2	1/2
Fans				
FAN1	Fig1-11	Fusing Fan 1	H2	1/2
FAN2	Fig1-10	Fusing Fan 2	H2	1/2
FAN3	Fig1-9	Toner Supply Fan	H2	1/2
FAN4	Fig1-3	Fusing Cooling Fan	H2	1/2
FAN5	Fig1-8	Drive Unit Fan	D6	1/2
FAN6	Fig1-2	Laser Unit Fan	D6	1/2
FAN7	Fig1-6	Development Fan 2	D6	1/2
FAN8	Fig1-5	Development Fan 1	D6	1/2
FAN9	Fig1-7	Controller Fan	B6	2/2
-	Fig1-4	PSU Fan	-	-
Others				
L1	Fig2-1	Pressure Roller Fusing Lamp	I2	1/2
L2	Fig2-2	Heating Lamp	I2	1/2
TH1	Fig2-6	Thermistor	I2	1/2
TH2	Fig2-7	Pressure Roller Thermistor	I2	1/2
-	Fig2-3	Heating Roller Thermostat	-	-
-	Fig2-8	Pressure Roller Thermostat	-	-
PCBs				
PCB1	Fig4-3	ID Sensor Board	C2	1/2
PCB2	Fig9-2	Paper Size Sensor Board	D3	1/2
PCB3	Fig5-8	HVPS: D	G2	1/2
PCB4	Fig8-3	BCU	B4	1/2
PCB5	Fig7-10	RFID-CPU	B5	1/2
PCB6	Fig7-14	RFID-AFE (K)	B6	1/2
PCB7	Fig7-12	RFID-AFE(C)	B6	1/2
PCB8	Fig7-9	RFID-AFE(M)	B6	1/2
PCB9	Fig7-7	RFID-AFE(Y)	C6	1/2
PCB10	Fig3-6	LDB (YM)	B2	2/2
PCB11	Fig3-1	LDB (KC)	B2	2/2
PCB12	Fig8-4	Bridge Board	A4	2/2
PCB13	Fig8-1	PSU	E3	2/2
PCB14	Fig8-8	HVPS:C/B	G3	2/2
PCB15	Fig8-2	HVPS:T1/T2	H3	2/2
PCB16	Fig8-5	CTL	B5	2/2
PCB17	Fig8-6	Operation Panel	A6	2/2

M384 POINT TO POINT DIAGRAM



ELECTRICAL COMPONENT LAYOUT (M384)

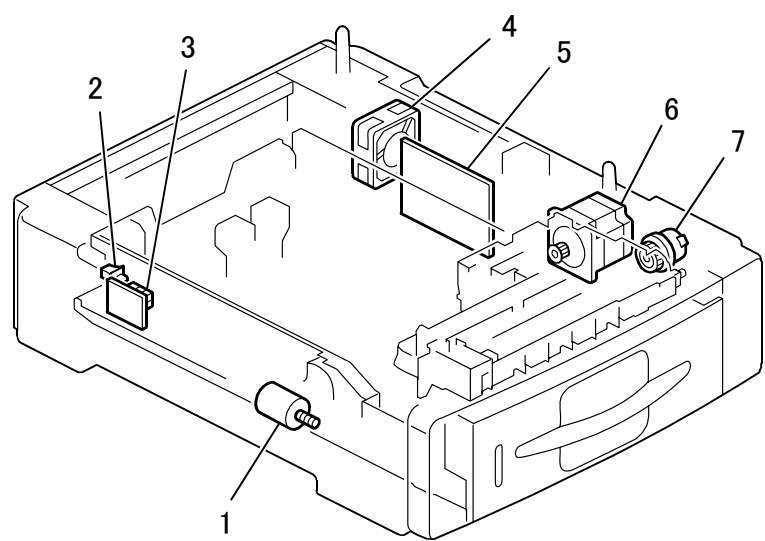


Fig1 M384D101

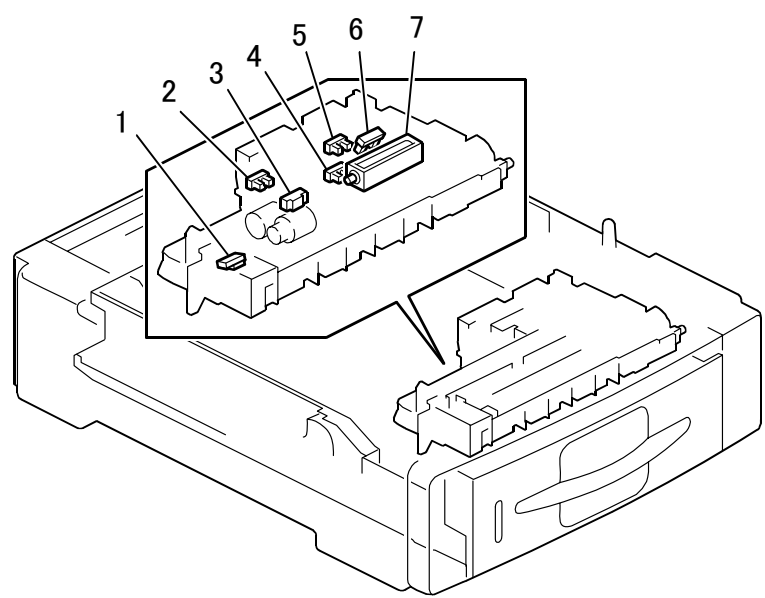


Fig2 M384D101A

Symbol	Index No.	Description	P to P
Motors			
M1	Fig1-1	Tray Lift Motor	C6
M2	Fig1-6	Paper Feed Motor	B6
Sensors			
S1	Fig2-2	Paper End Sensor	E2
S2	Fig2-4	Paper Lift Sensor	E2
S3	Fig2-5	Paper Height Sensor	E2
S4	Fig2-6	Paper Height Sensor 2	E2
S5	Fig2-1	Paper Feed Sensor	F2
S6	Fig2-3	Vertical Transport Senso	F2
S7	Fig1-2	Tray Set Sensor	C7
Magnetic Clutches			
MT1	Fig1-7	Paper Feed Clutch	D7
Solenoids			
SOL1	Fig2-7	Paper Feed Solenoid	E2
FANs			
FAN1	Fig1-4	Cooling Fan	D6
PCBs			
PCB1	Fig1-5	PCB	D5
PCB2	Fig1-3	Paper Size Sensor Board	B6