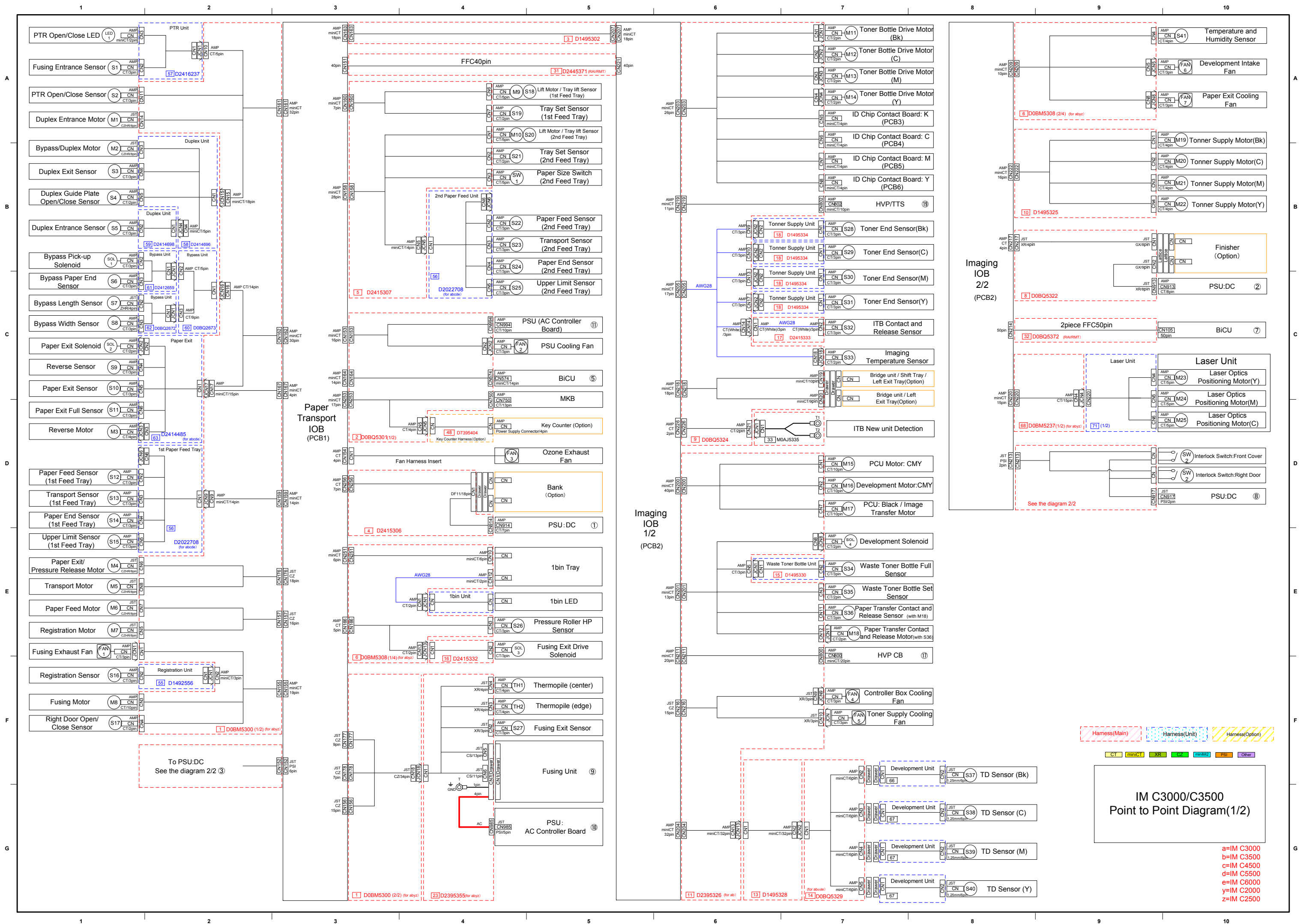




IM C3000/C3500 Harness Pin Assignment

Harness No.	Connector (From)			Signal Information	Connector (To)			Note
	To Connector	Addr.	Pin		Addr.	Pin	To Connector	
1	Paper Transport IOB	CN155	1	Fusing Exhaust Fan:+24V(CTRL)	CN1	3	Fusing Exhaust Fan	CN9、CN15、CN16、 CN17、CN18 : With relay connector
			2	Fusing Exhaust Fan:Lock Sensor Signal		2		
			3	Fusing Exhaust Fan:GND		1		
			4	Registration Sensor:GND	CN2	3	Harness ID.55	
			5	Registration Sensor:Sensor Signal		2		
			6	Registration Sensor:+5V		1		
			7	Fusing Motor: Load Monitor	CN3	10	Fusing Motor	
			8	Fusing Motor: Maker		9		
			9	Fusing Motor: FG		8		
			10	Fusing Motor: Direction		7		
			11	Fusing Motor: PWM		6		
			12	Fusing Motor: Brake		5		
			13	Fusing Motor: GND		4		
			14	Fusing Motor: GND		3		
			15	Fusing Motor: +24VS2		2		
			16	Fusing Motor: +24VS2		1		
			17	N.C.	-	-	-	
			18	Right Door Open/Close Sensor: SW Terminal2 (GND)	CN4	2	Right Door Open/Close Sensor	
			19	Right Door Open/Close Sensor: SW Terminal1		1		
	Paper Transport IOB	CN176	1	N.C.	-	-	-	
			2	Paper Exit/Pressure Release Motor: ENC: A Phase	CN6	8	Paper Exit/Pressure Release Motor	
			3	Paper Exit/Pressure Release Motor: ENC: B Phase		7		
			4	Paper Exit/Pressure Release Motor: +5V		6		
			5	Paper Exit/Pressure Release Motor: CW/CCW(Low)		5		
			6	Paper Exit/Pressure Release Motor: PWM		4		
			7	Paper Exit/Pressure Release Motor: Brake (Low)		3		
			8	Paper Exit/Pressure Release Motor: GND	CN8	2	Transport Motor	
			9	Paper Exit/Pressure Release Motor: +24VS2		1		
			10	Transport Motor: ENC: A Phase		8		
			11	Transport Motor: ENC: B Phase		7		
			12	Transport Motor: +5V		6		
			13	Transport Motor: CW/CCW (Low)		5		
			14	Transport Motor: PWM		4		
			15	Transport Motor: Brake (Low)		3		
			16	Transport Motor: GND	CN7	2	Paper Feed Motor	
			17	Transport Motor: +24VS2		1		
			18	N.C.		-		
	Paper Transport IOB	CN157	1	Paper Feed Motor: ENC: A Phase	CN7	8	Paper Feed Motor	
			2	Paper Feed Motor: ENC: B Phase		7		
			3	Paper Feed Motor: +5V		6		
			4	Paper Feed Motor: CW/CCW(Low)		5		
			5	Paper Feed Motor: PWM		4		
			6	Paper Feed Motor: Brake (Low)		3		
			7	Paper Feed Motor: GND	CN5	2	Registration Motor	
			8	Paper Feed Motor: +24VS2		1		
			9	Registration Motor: ENC: A Phase		8		
			10	Registration Motor: ENC: B Phase		7		
			11	Registration Motor: +5V		6		
			12	Registration Motor: CW/CCW (Low)		5		
			13	Registration Motor: PWM		4		
			14	Registration Motor: Brake (Low)		3		
			15	Registration Motor: GND		2		
			16	Registration Motor: +24VS2		1		
	Paper Transport IOB	CN159	1	Pick-up Solenoid (1st Feed Tray): Terminal1 (+24VS2)	CN9	14	Harness ID.56	
			2	Pick-up Solenoid (1st Feed Tray): Terminal2 (PWM)		13		
			3	Paper Exit Full Sensor: GND		12		
			4	Paper Exit Full Sensor: Sensor Signal		11		
			5	Paper Exit Full Sensor: +5V		10		
			6	Transport Sensor (1st Feed Tray): GND		9		
			7	Transport Sensor (1st Feed Tray): Sensor Signal		8		
			8	Transport Sensor (1st Feed Tray): +5V		7		
			9	Paper End Sensor (1st Feed Tray): GND		6		
			10	Paper End Sensor (1st Feed Tray): Sensor Signal		5		
			11	Paper End Sensor (1st Feed Tray): +5V		4		
			12	Upper Limit Sensor (1st Feed Tray): GND		3		
			13	Upper Limit Sensor (1st Feed Tray): Sensor Signal		2		
			14	Upper Limit Sensor (1st Feed Tray): +5V		1		
	Paper Transport IOB	CN161	1	PTR Open/Close LED: CTRL	CN10	5	Harness ID.57	
			2	PTR Open/Close LED: +5V		4		
			3	Fusing Entrance Sensor: GND		3		
			4	Fusing Entrance Sensor: Sensor Signal	CN11	2	PTR Open/Close Sensor	
			5	Fusing Entrance Sensor: +5V		1		
			6	PTR Open/Close Sensor: GND		3		
			7	PTR Open/Close Sensor: Sensor Signal	CN14	2	Duplex Entrance Motor	
			8	PTR Open/Close Sensor: +5V		1		
			9	Duplex Entrance Motor: ENC: A Phase		8		
			10	Duplex Entrance Motor: ENC: B Phase		7		
			11	Duplex Entrance Motor: +5V		6		
			12	Duplex Entrance Motor: CW/CCW (Low)		5		
			13	Duplex Entrance Motor: PWM		4		
			14	Duplex Entrance Motor: Brake (Low)		3		
			15	Duplex Entrance Motor: GND	CN15	2	Harness ID.58	
			16	Duplex Entrance Motor: +24VS2		1		
			17	Bypass/Duplex Motor: ENC: A Phase		18		
			18	Bypass/Duplex Motor: ENC: B Phase		17		
			19	Bypass/Duplex Motor: +5V		16		
			20	Bypass/Duplex Motor: CW/CCW (Low)		15		
			21	Bypass/Duplex Motor: PWM		14		
			22	Bypass/Duplex Motor: Brake (Low)		13		
			23	Bypass/Duplex Motor: GND		12		
			24	Bypass/Duplex Motor: +24VS2		11		
			25	Duplex Entrance Sensor: GND		10		
			26	Duplex Entrance Sensor: Sensor Signal		9		
			27	Duplex Entrance Sensor: +5V		8		
			28	Duplex Exit Sensor: GND		7		
			29	Duplex Exit Sensor: Sensor Signal		6		
			30	Duplex Exit Sensor: +5V		5		
			31	Duplex Guide Plate Open/Close Sensor: SW Terminal(GND)		4		
			32	Duplex Guide Plate Open/Close Sensor: SW Terminal1		3		
			-	N.C.		2		
			-	N.C.		1		

IM C3000/C3500 Harness Pin Assignment

Harness No.	Connector (From)			Signal Information	Connector (To)			Note
	To Connector	Addr.	Pin		Addr.	Pin	To Connector	
1	Paper Transport IOB	CN162	1	Bypass Pick-up Solenoid: Terminal2 (PWM)	CN16	14	Harness ID.60	CN9、CN15、CN16、 CN17、CN18 : With relay connector
			2	Bypass Pick-up Solenoid: Terminal1 (+24VS2)		13		
			3	Bypass Paper End Sensor: GND		12		
			4	Bypass Paper End Sensor: Sensor Signal		11		
			5	Bypass Paper End Sensor: +5V		10		
			6	Bypass Length Sensor: SW Terminal2		9		
			7	Bypass Length Sensor: SW Terminal1		8		
			8	Bypass Length Sensor: COM Terminal (GND)		7		
			9	Bypass Length Sensor: SW Terminal4		6		
			10	Bypass Length Sensor: SW Terminal5		5		
			11	Bypass Length Sensor: SW Terminal3		4		
			12	Bypass Width Sensor: GND		3		
			13	Bypass Width Sensor: Sensor Signal		2		
			14	Bypass Width Sensor: +5V		1		
			15	N.C.	-	-	-	
			16	Paper Exit Solenoid: Terminal1 (+24VS2)	CN17	15	Harness ID.63	
			17	Paper Exit Solenoid: Terminal2 (PWM)		14		
			18	Reverse Sensor: GND		13		
			19	Reverse Sensor: Sensor Signal		12		
			20	Reverse Sensor: +5V		11		
			21	Paper Exit Sensor: GND		10		
			22	Paper Exit Sensor: Sensor Signal		9		
			23	Paper Exit Sensor: +5V		8		
			24	Paper Exit Full Sensor: GND		7		
			25	Paper Exit Full Sensor: Sensor Signal		6		
			26	Paper Exit Full Sensor: +5V		5		
			27	N.C.	-	-	-	
			28	N.C.	-	-	-	
			29	N.C.	-	-	-	
			30	N.C.	-	-	-	
	Paper Transport IOB	CN167	1	Reverse Motor: XB Phase	CN17	4	Harness ID.63	
			2	Reverse Motor: B Phase		3		
			3	Reverse Motor: XA Phase		2		
	Paper Transport IOB	CN178	4	Reverse Motor: A Phase	CN18	1	Harness ID.23	
			1	Set Detection (P): GND		A17		
			2	Set Detection (C): GND		A16		
			3	Set Detection: NA		A15		
			4	Set Detection: EU		A14		
			5	Set Detection : Special Paper		A13		
			6	NewUnit Detection Fuse		A12		
		CN177	7	NewUnit Detection Fuse: GND		A11		
			1	Thermopile (edge):+5V		A10		
			2	Thermopile (edge):GND		A9		
			3	Thermopile (edge):FB		A8		
			4	Thermopile (center):+5V		A7		
5			Thermopile (center):GND	A6				
6			Thermopile (center):FB	A5				
CN156		7	Fusing Exit SensorGND	A4				
		8	Fusing Exit SensorSensor Signal	A3				
		9	Fusing Exit Sensor+5V	A2				
		-	N.C.	A1				
		-	N.C.	B17				
		-	N.C.	B16				
		1	N.C.	B15				
		2	N.C.	B14				
		3	N.C.	B13				
		4	Non-Contact Thermistor(Edge): Detection	B12				
		5	Non-Contact Thermistor(Edge): Compensation	B11				
		6	Non-Contact Thermistor(Edge):GND	B10				
		7	Non-Contact Thermistor(Center): Detection	B9				
		8	Non-Contact Thermistor(Center): Compensation	B8				
		9	Non-Contact Thermistor(Center):GND	B7				
		10	Pressure Thermistor: Full-Bleed Edge: FB	B6				
11	Pressure Thermistor: Full-Bleed Edge:GND	B5						
12	Pressure Thermistor: End: FB	B4						
13	Pressure Thermistor: End:GND	B3						
14	Pressure Thermistor: Center: FB	B2						
15	Pressure Thermistor: Center:GND	B1						

IM C3000/C3500 Harness Pin Assignment

Harness No.	Connector (From)			Signal Information	Connector (To)			Note
	To Connector	Addr.	Pin		Addr.	Pin	To Connector	
2	Paper Transport IOB	CN153	1	AC driver: +24V	CN994	10	PSU (AC)	CN2, CN5: With relay connector
			2	AC driver: GND		9		
			3	AC driver: Zero Cross Signal1		8		
			4	AC driver: Fusing Relay Trigger Signal1		7		
			5	AC driver: Anti-condensation Heater Relay Trigger Signal		6		
			6	AC driver: AC Voltage Detection Signal		5		
			7	AC driver: Fusing Heater2 Trigger Signal		4		
			8	AC driver: Fusing Heater1 Trigger Signal		3		
			9	AC driver: Fusing Relay Trigger Signal2		2		
			10	AC driver: Zero Cross Signal2		1		
			11	PSU Cooling Fan: +24V (CTRL)	3	PSU Cooling Fan		
			12	PSU Cooling Fan: Lock Sensor Signal	2			
			13	PSU Cooling Fan: GND	1			
			14	N.C.	-		-	
			15	N.C.	-	-		
			16	N.C.	-	-		
	Paper Transport IOB	CN164	1	IPU: PONSENS IOB N	CN574	14	BiCU	
			2	IPU: GND		13		
			3	IPU: +5VE LPS		12		
			4	IPU: GND		11		
			5	IPU: +24V		10		
			6	IPU: +24V		9		
			7	IPU: +24V		8		
			8	IPU: +24V		7		
			9	IPU: GND		6		
			10	IPU: GND		5		
			11	IPU: GND		4		
			12	IPU: +24VS1		3		
			13	IPU: +24VS2		2		
			14	IPU: GND		1		
	Paper Transport IOB	CN253	1	MKB: +5V	CN750	13	MKB	
			2	MKB: Key Card: Set Detection		12		
			3	MKB: b0 (Size1)		11		
			4	MKB: b1 (Size2)		10		
			5	MKB: b2 (Size3)		9		
			6	MKB: b3 (Size4)		8		
			7	MKB: b4 (Mode1)		7		
			8	MKB: b5 (Mode2)		6		
			9	MKB: b6 (Duplex)		5		
			10	MKB: b7 (Motor)		4		
			11	MKB: GND		3		
			12	MKB: Key Card: CTRL		2		
			13	MKB: For Optional Counter: +24V		1		
			14	Key Counter: GND	4	Key Counter		
			15	Key Counter: Key Counter: Set Detection	3			
			16	Key Counter: For Optional Counter: +24V	2			
			17	Key Counter: Key Counter: CTRL	1			
	BiCU	CN577	1	PSU(DC): DC Power ON Signal	CN915	2	PSU (DC)	
2			PSU(DC): GND	1				
3			PSU(AC): +5VX	CN997	5	PSU (AC)		
4			PSU(AC): Latch Enable Signal		4			
5			PSU(AC): Anti-condensation Heater(Scanner Heater) Relay Trigger		3			
6			PSU(AC): Anti-condensation Heater Relay Trigger		2			
7			PSU(AC): GND		1			
Paper Transport IOB	CN152	1	PSU: +24V	CN912	4	PSU (DC)		
		2	PSU: +24V		3			
		3	PSU: GND(+24V)		2			
		4	PSU: GND(+24V)		1			
		5	PSU: GND(+5V)	CN911	4	PSU (DC)		
BiCU	CN578	6	PSU: +5V		8			
		1	PSU: GND		2			
		2	PSU: GND		3			
		3	PSU: 5V		7			
		4	PSU: 5VX		6			
5	PSU: 5VX	5						
-	-	-	N.C.		1			
3	Imaging IOB	CN207	1	Paper Transport IOB: GND	CN163	18	Paper Transport IOB	
			2	Paper Transport IOB: GND		17		
			3	Paper Transport IOB: +24VS2		16		
			4	Paper Transport IOB: +24VS2		15		
			5	Paper Transport IOB: +24VS2		14		
			6	Paper Transport IOB: +24VS2		13		
			7	Paper Transport IOB: +24VS1		12		
			8	Paper Transport IOB: GND		11		
			9	Paper Transport IOB: GND		10		
			10	Paper Transport IOB: GND		9		
			11	Paper Transport IOB: GND		8		
			12	Paper Transport IOB: GND		7		
			13	Paper Transport IOB: GND		6		
			14	Paper Transport IOB: +5V		5		
			15	Paper Transport IOB: +24V		4		
			16	Paper Transport IOB: +24V		3		
			17	Paper Transport IOB: +24V		2		
			18	Paper Transport IOB: GND		1		
4	Paper Transport IOB	CN256	1	Bank: RXD	CN1	16	Bank Drawer	
			2	Bank: TXD		14		
			3	Bank: GND		12		
			4	Bank: GND		10		
			5	Bank: +5V		8		
			6	Bank: +5V		6		
	PSU (DC)	CN914	7	Bank: GND		4		
			1	PSU: GND		3		
			2	PSU: GND		5		
			3	PSU: GND		7		
			4	PSU: 24V		9		
			5	PSU: 24V		11		
			6	PSU: 24V		13		
	7	PSU: 24V	15					
	-	-	-	N.C.		1		
	-	-	-	N.C.		2		
	-	-	-	N.C.		17		
	-	-	-	N.C.		18		

IM C3000/C3500 Harness Pin Assignment

Harness No.	Connector (From)			Signal Information	Connector (To)			Note	
	To Connector	Addr.	Pin		Addr.	Pin	To Connector		
5	Paper Transport IOB	CN158	1	Lift Motor (2nd Feed Tray): Sensor: Paper Remaining Detection	CN1	5	Lift Motor /Upper Limit Sensor (2nd Feed Tray)	CN5: With relay connector	
			2	Lift Motor (2nd Feed Tray): Sensor: Paper Remaining Detection: GND		4			
			3	Lift Motor (2nd Feed Tray): Sensor: Paper Remaining Detection		3			
			4	Lift Motor (2nd Feed Tray): Sensor: CTRL -		2			
			5	Lift Motor (2nd Feed Tray): Sensor: CTRL +		1			
			6	Tray Set Sensor (2nd Feed Tray): GND	CN2	2	Tray Set Sensor (2nd Feed Tray)		
			7	Tray Set Sensor (2nd Feed Tray): SW Terminal1		1			
			8	Paper Size Switch (2nd Feed Tray): SW Terminal4	CN3	5	Size Switch (2nd Feed Tray)		
			9	Paper Size Switch (2nd Feed Tray): GND		4			
			10	Paper Size Switch (2nd Feed Tray): SW Terminal3		3			
			11	Paper Size Switch (2nd Feed Tray): SW Terminal2		2			
			12	Paper Size Switch (2nd Feed Tray): SW Terminal1		1			
			13	N.C.	-	-	-		
			14	N.C.	-	-	-		
			15	Pick-up Solenoid (2nd Feed Tray): +24VS2	CN5	14	Harness ID.56		
			16	Pick-up Solenoid (2nd Feed Tray): PWM		13			
			17	Paper Feed Sensor (2nd Feed Tray): GND		12			
			18	Paper Feed Sensor (2nd Feed Tray): Sensor Signal		11			
			19	Paper Feed Sensor (2nd Feed Tray): +5V		10			
			20	Transport Sensor(2nd Feed Tray): GND		9			
			21	Transport Sensor(2nd Feed Tray): Sensor Signal		8			
			22	Transport Sensor(2nd Feed Tray): +5V		7			
			23	Paper End Sensor(2nd Feed Tray): GND		6			
			24	Paper End Sensor(2nd Feed Tray): Sensor Signal		5			
			25	Paper End Sensor(2nd Feed Tray): +5V		4			
			26	Tray lift Sensor (2nd Feed Tray): GND		3			
			27	Tray lift Sensor (2nd Feed Tray): Sensor Signal		2			
			28	Tray lift Sensor (2nd Feed Tray): +5V		1			
Paper Transport IOB	CN160	1	Lift Motor (1st Feed Tray): Sensor: Paper Remaining Detection	CN6	5	Lift Motor (1st Feed Tray): Sensor			
		2	Lift Motor (1st Feed Tray): Sensor: Paper Remaining Detection: GND		4				
		3	Lift Motor (1st Feed Tray): Sensor: Paper Remaining Detection		3				
		4	Lift Motor (1st Feed Tray): Sensor: CTRL -		2				
		5	Lift Motor (1st Feed Tray): Sensor: CTRL +		1				
		6	Tray Set Sensor (1st Feed Tray): GND	CN7	2	Tray Set Sensor (1st Feed Tray)			
		7	Tray Set Sensor (1st Feed Tray): SW Terminal1		1				
6	BiCU	CN105	1	TM/ID Sensor: 3.3V	CN2	15	Harness ID.20	CN1, CN2, CN5 CN8, CN13: With relay connector	
			2	TM/ID Sensor: GND		14			
			3	TM/ID Sensor: FRONT LED Drive		13			
			4	TM/ID Sensor: FRONT Diffuse Reflection Sensor Output		12			
			5	TM/ID Sensor: FRONT Specular Reflection Sensor Output		11			
			6	TM/ID Sensor: 3.3V		10			
			7	TM/ID Sensor: GND		9			
			8	TM/ID Sensor: CENTER LED Drive		8			
			9	TM/ID Sensor: CENTER Diffuse Reflection Sensor Output		7			
			10	TM/ID Sensor: CENTER Specular Reflection Sensor Output		6			
			11	TM/ID Sensor: 3.3V		5			
			12	TM/ID Sensor: GND		4			
			13	TM/ID Sensor: REAR LED Drive		3			
			14	TM/ID Sensor: REAR Diffuse Reflection Sensor Output		2			
			15	TM/ID Sensor: REAR Specular Reflection Sensor Output		1			
	Paper Transport IOB	CN166	1	Fusing Exit Drive Solenoid: Terminal 2(PWM)	CN13	2	Harness ID.16		
			2	Fusing Exit Drive Solenoid: Terminal 1(+24VS2)		1			
			3	Pressure Roller HP Sensor: GND	CN3	3	Pressure Roller HP Sensor		
			4	Pressure Roller HP Sensor: Signal		2			
			5	Pressure Roller HP Sensor: +5V		1			
	Paper Transport IOB	CN251	1	Ibin Tray: Mainframe Reverse Sensor Output Signal	CN10	6	Ibin Tray		
			2	Ibin Tray: Tray lift Sensor		5			
			3	Ibin Tray: Set Detection Mechanism		4			
			4	Ibin Tray: GND		3			
			5	Ibin Tray: +5VE LPS		2			
			6	Ibin Tray: +5V		1			
	Imaging IOB	CN209	1	Temperature and Humidity Sensor: Temperature FB	CN4	4	Temperature and Humidity Sensor		
			2	Temperature and Humidity Sensor: GND		3			
3			Temperature and Humidity Sensor: Humidity FB	2					
4			Temperature and Humidity Sensor: +3.3V	CN5	1	Developing Air Intake Fan:Right			
5			Developing Air Intake Fan:Right: CTRL		3				
6			Developing Air Intake Fan:Right: Lock		2				
7			Developing Air Intake Fan:Right: GND		1				
8			Paper Exit Cooling/Controller Box Cooling/CTL Cooling Fan: CTRL	CN8	3	Paper Exit Cooling Fan			
9			Paper Exit Cooling Fan :Paper Exit Cooling Fan :Lock		2				
10			Paper Exit Cooling Fan : GND		1				
BiCU	CN573	1	Main Power Switch: PW BTN N	CN11	2	Main Power Switch			
		2	Main Power Switch: GND		1				
Ibin LED	CN1	1	Ibin LED: CATHODE	CN12	2	Ibin Tray			
		2	Ibin LED: ANODE		1				
BiCU	CN572	1	Proximity Sensor: Power (+3.3VE)	CN9	5	Proximity Sensor Board			
		2	Proximity Sensor: Motion Sensor Signal		4				
		3	Proximity Sensor: GND		3				
		4	N.C.		2				
		5	N.C.		1				
7	PSU(DC)	CN917	1	PSU(DC): 24V	CN1	1	Interlock Switch:Front Cover		
			2	PSU(DC): 24V		2			
	Imaging IOB	CN213	1	Interlock Switch:Front Cover: +24VS1	CN1	1	Interlock Switch:Front Cover		
			2	Interlock Switch:Right Door: +24VS2		2			
8	Imaging IOB	CN217	-	N.C.	CN1	8	GRM (Lattice)		
			-	Finisher: RXD		7			
			-	N.C.		6			
			2	Finisher: TXD		5			
			-	N.C.		4			
			-	N.C.		3			
			3	Finisher: GND		2			
			4	Finisher: GND		1			
	PSU(DC)	CN913	-	N.C.	CN2	9	GRM (Lattice)		
			1	PSU(DC): GND		8			
			2	PSU(DC): GND		7			
			3	PSU(DC): GND		6			
			4	PSU(DC): GND		5			
			5	PSU(DC): 24V		4			
			6	PSU(DC): 24V		3			
			7	PSU(DC): 24V		2			
8	PSU(DC): 24V	1							

IM C3000/C3500 Harness Pin Assignment

Harness No.	Connector (From)			Signal Information	Connector (To)			Note
	To Connector	Addr.	Pin		Addr.	Pin	To Connector	
9	Imaging IOB	CN203	1	Toner Bottle Drive Motor(Bk): CTRL B	CN1	2	Toner Bottle Drive Motor(Bk)	CN1、CN2、CN3、CN4、CN14、CN18: With relay connector
			2	Toner Bottle Drive Motor(Bk): +24VS1		1		
			3	Toner Bottle Drive Motor(C): CTRL B	CN2	2	Toner Bottle Drive Motor(C)	
			4	Toner Bottle Drive Motor(C): +24VS1		1		
			5	Toner Bottle Drive Motor(M): CTRL B	CN3	2	Toner Bottle Drive Motor(M)	
			6	Toner Bottle Drive Motor(M): +24VS1		1		
			7	Toner Bottle Drive Motor(Y): CTRL B	CN4	2	Toner Bottle Drive Motor(Y)	
			8	Toner Bottle Drive Motor(Y): +24VS1		1		
			9	N.C.	CN5	—		
			10	ID Chip Contact Board: I2C		4		
			11	ID Chip Contact Board: GND		3	ID Chip Contact Board	
			12	ID Chip Contact Board: I2C		2		
			13	ID Chip Contact Board: Power	CN6	1		
			14	N.C.		—		
			15	ID Chip Contact Board: I2C		4		
			16	ID Chip Contact Board: GND		3	ID Chip Contact Board	
			17	ID Chip Contact Board: I2C		2		
			18	ID Chip Contact Board: Power	CN7	1		
			19	ID Chip Contact Board: I2C		4		
			20	ID Chip Contact Board: GND		3	ID Chip Contact Board	
			21	ID Chip Contact Board: I2C		2		
			22	ID Chip Contact Board: Power	CN8	1		
			23	ID Chip Contact Board: I2C		4		
			24	ID Chip Contact Board: GND		3	ID Chip Contact Board	
			25	ID Chip Contact Board: I2C		2		
			26	ID Chip Contact Board: Power	CN802	1		
	Imaging IOB	CN219	1	HVP/TTS: +24VS2		10		
			2	HVP/TTS: GND		9		
			3	HVP TTS: Transfer/SC Detection		8		
			4	HVP TTS: Paper Transfer (-)/Output Voltage FB		7		
			5	HVP TTS: Paper Transfer (-)/PWM		6		
			6	HVP TTS: Paper Transfer (+)/PWM		5		
			7	HVP TTS: Image Transfer/K/PWM		4		
			8	HVP TTS: Image Transfer/G/PWM		3		
			9	HVP TTS: Image Transfer/M/PWM		2		
			10	HVP TTS: Image Transfer/Y/PWM		1		
			11	N.C.		—		
9	Imaging IOB	CN205	1	Toner End Sensor/K: GND	CN9	3		CN1、CN2、CN3、CN4、CN14、CN18: With relay connector
			2	Toner End Sensor/K: Signal		2	Harness ID.18	
			3	Toner End Sensor/K: +5VTEK		1		
			4	Toner End Sensor/G: GND	CN10	3		
			5	Toner End Sensor/G: Signal		2	Harness ID.18	
			6	Toner End Sensor/G: +5VTEFC		1		
			7	Toner End Sensor/M: GND	CN13	3		
			8	Toner End Sensor/M: Signal		2	Harness ID.18	
			9	Toner End Sensor/M: +5VTEFC		1		
			10	Toner End Sensor/Y: GND	CN17	3		
			11	Toner End Sensor/Y: Signal		2	Harness ID.18	
			12	Toner End Sensor/Y: +5VTEFC		1		
			13	ITB Contact and Release Sensor: GND	CN14	3		
			14	ITB Contact and Release Sensor: Signal		2	Harness ID.17	
			15	ITB Contact and Release Sensor: +5V		1		
			16	Imaging Temperature Sensor: GND	CN18	2		
			17	Imaging Temperature Sensor: Imaging Temperature Sensor/FB		1	Imaging Temperature Sensor	
9	Imaging IOB	CN218	1	Bridge unit/Shift Tray/Exit Tray Left: GND	CN19	10		CN8、CN9、CN13: With relay connector
			2	Bridge unit/Shift Tray/Exit Tray Left: +5V		9		
			3	Bridge unit/Shift Tray/Exit Tray Left: CBU.SS1SET_I		8		
			4	Bridge unit/Shift Tray/Exit Tray Left: CBUCVSNNS.N_I		7		
			5	Bridge unit/Shift Tray/Exit Tray Left: CBUEPSNSNS.N_I		6		
			6	Bridge unit/Shift Tray/Exit Tray Left: CBUCVMTRST.N_O		5		
			7	Bridge unit/Shift Tray/Exit Tray Left: CBUCVMTCTL_O		4		
			8	Bridge unit/Shift Tray/Exit Tray Left: GND		3		
			9	Bridge unit/Shift Tray/Exit Tray Left: +24V	CN20	2		
			—	N.C.		1		
			10	Bridge unit/Exit Tray Left: +24V		9		
			11	Bridge unit/Exit Tray Left: CBU+5VFU_I		8		
			12	Bridge unit/Exit Tray Left: CBUCVMTENA.N_O		7		
			13	Bridge unit/Exit Tray Left: CBU.SS2SET_I		6		
			14	Bridge unit/Exit Tray Left: CBUDVSLPWM_O		5		
			15	Bridge unit/Exit Tray Left: CBUCVMTCLK_O		4		
			16	Bridge unit/Exit Tray Left: CBU+24VFU_I		3		
			17	Bridge unit/Exit Tray Left: CBTOCSNSNS.I		2		
			18	Bridge unit/Exit Tray Left: CBEOCSNSNS.I		1		
10	Imaging IOB	CN226	1	ITB New Unit Detection: GND	CN21	2		CN1、CN2、CN3、CN4、CN14、CN18: With relay connector
			2	ITB New Unit Detection: Signal		1	Harness ID33	
			1	Tonner Supply Motor(Bk): A Phase	CN1	4		
			2	Tonner Supply Motor(Bk): XA Phase		3	Tonner Supply Motor(Bk)	
			3	Tonner Supply Motor(Bk): B Phase		2		
			4	Tonner Supply Motor(Bk): XB Phase	CN2	1		
			5	Tonner Supply Motor(C): A Phase		4		
			6	Tonner Supply Motor(C): XA Phase		3	Tonner Supply Motor(C)	
			7	Tonner Supply Motor(C): B Phase		2		
			8	Tonner Supply Motor(C): XB Phase		1		
10	Imaging IOB	CN222	9	Tonner Supply Motor(M): A Phase	CN3	4		
			10	Tonner Supply Motor(M): XA Phase		3	Tonner Supply Motor(M)	
			11	Tonner Supply Motor(M): B Phase		2		
			12	Tonner Supply Motor(M): XB Phase		1		
			13	Tonner Supply Motor(Y): A Phase	CN4	4		
			14	Tonner Supply Motor(Y): XA Phase		3	Tonner Supply Motor(Y)	
			15	Tonner Supply Motor(Y): B Phase		2		
			16	Tonner Supply Motor(Y): XB Phase		1		

IM C3000/C3500 Harness Pin Assignment

Harness No.	Connector (From)			Signal Information	Connector (To)			Note
	To Connector	Addr.	Pin		Addr.	Pin	To Connector	
11	Imaging IOB	CN200	1	PCU Motor/FC: Load Monitor	CN1	10	PCU Motor/FC	CN8, CN9, CN13: With relay connector
			2	PCU Motor/FC: Maker		9		
			3	PCU Motor/FC: FG		8		
			4	PCU Motor/FC: Direction		7		
			5	PCU Motor/FC: PWM		6		
			6	PCU Motor/CMY: Brake		5		
			7	PCU Motor/CMY: GND		4		
			8	PCU Motor/CMY: GND		3		
			9	PCU Motor/CMY: +24VS1		2		
			10	PCU Motor/CMY: +24VS1		1		
			11	Development Motor/CMY: Load Monitor	CN2	10	Development Motor/CMY	
			12	Development Motor/CMY: Maker		9		
			13	Development Motor/CMY: FG		8		
			14	Development Motor/CMY: Direction		7		
			15	Development Motor/CMY: PWM		6		
			16	Development Motor/CMY: Brake		5		
			17	Development Motor/CMY: GND		4		
			18	Development Motor/CMY: GND		3		
			19	Development Motor/CMY: +24VS1		2		
			20	Development Motor/CMY: +24VS1		1		
			21	N.C.	-	-	-	
			22	N.C.	-	-	-	
			23	N.C.	-	-	-	
			24	N.C.	-	-	-	
			25	N.C.	-	-	-	
			26	N.C.	-	-	-	
			27	N.C.	-	-	-	
			28	N.C.	-	-	-	
			29	N.C.	-	-	-	
			30	N.C.	-	-	-	
			31	PCU: Black / Image Transfer Motor: Load Monitor	CN7	10	PCU: Black / Image Transfer Motor	
			32	PCU: Black / Image Transfer Motor: Maker		9		
			33	PCU: Black / Image Transfer Motor: FG		8		
			34	PCU: Black / Image Transfer Motor: Direction		7		
			35	PCU: Black / Image Transfer Motor: PWM		6		
			36	PCU: Black / Image Transfer Motor: Brake		5		
			37	PCU: Black / Image Transfer Motor: GND		4		
			38	PCU: Black / Image Transfer Motor: GND		3		
			39	PCU: Black / Image Transfer Motor: +24VS1		2		
			40	PCU: Black / Image Transfer Motor: +24VS1		1		
	Imaging IOB	CN201	1	Development Solenoid: +24VS1	CN8	2	Development Solenoid	
			2	Development Solenoid: CTRL		1		
			3	Waste Toner Capacity Sensor: GND	CN5	3	Harness ID.15	
			4	Waste Toner Capacity Sensor: Signal		2		
			5	Waste Toner Capacity Sensor: +5V	CN3	1	Waste Toner Bottle Set Sensor	
			6	Waste Toner Bottle Set Sensor: GND		2		
			7	Waste Toner Bottle Set Sensor: Signal	CN11	1	Paper Transfer Contact and Release Sensor	
			8	Paper Transfer Contact and Release Sensor: GND		3		
			9	Paper Transfer Contact and Release Sensor: Signal		2		
			10	Paper Transfer Contact and Release Sensor: +5V	CN12	1	Paper Transfer Contact and Release Motor	
			11	Paper Transfer Contact and Release Motor: CTRL 2		2		
			12	Paper Transfer Contact and Release Motor: CTRL 1		1		
			Imaging IOB	CN204	13	N.C.	-	
	1	N.C.			CN13	16	Harness ID.13	
	2	N.C.				15		
	3	PCU: GND				14		
	4	PCU: TD Sensor/K: Outout				13		
	5	PCU: TD Sensor: Power				12		
	6	PCU: TD Sensor/K: SEL				11		
	7	PCU: TD Sensor: SDA				10		
	8	PCU: TD Sensor: SCL				9		
	9	N.C.				8		
	10	N.C.				7		
	11	PCU: GND				6		
	12	PCU: TD Sensor/C: Outout				5		
	13	PCU: TD Sensor: Power				4		
	14	PCU: TD Sensor/C: SEL				3		
	15	PCU: TD Sensor: SDA				2		
	16	PCU: TD Sensor: SCL				1		
	17	N.C.				32		
	18	N.C.				31		
	19	PCU: GND				30		
	20	PCU: TD Sensor/M: Outout				29		
	21	PCU: TD Sensor: Power				28		
	22	PCU: TD Sensor/M: SEL				27		
	23	PCU: TD Sensor: SDA				26		
	24	PCU: TD Sensor: SCL				25		
	25	N.C.				24		
	26	N.C.				23		
	27	PCU: GND				22		
	28	PCU: TD Sensor/Y: Outout				21		
	29	PCU: TD Sensor: Power				20		
	30	PCU: TD Sensor/Y: SEL				19		
	31	PCU: TD Sensor: SDA				18		
	32	PCU: TD Sensor: SCL	17					
	Imaging IOB	CN211	1	HVP/CB: HVP/Development/DC/Y/PWM	CN800	20	HVP: CB	
			2	HVP/CB: HVP/Development/DC/M/PWM		19		
			3	HVP/CB: HVP/Development/DC/C/PWM		18		
			4	HVP/CB: HVP/Development/DC/K/PWM		17		
			5	HVP/CB: HVP/Charge/DC/K/PWM		16		
			6	HVP/CB: HVP/Charge/DC/C/PWM		15		
			7	HVP/CB: HVP/Charge/DC/M/PWM		14		
			8	HVP/CB: HVP/Charge/DC/Y/PWM		13		
			9	HVP/CB: HVP/Charge/AC/K/PWM		12		
			10	HVP/CB: HVP/Charge/AC/C/PWM		11		
			11	HVP/CB: HVP/Charge/AC/M/PWM		10		
			12	HVP/CB: HVP/Charge/AC/Y/PWM		9		
			13	HVP/CB: HVP/Charge/AC/CLOCK		8		
			14	HVP/CB: HVP/Charge Development/SC Detection		7		
			15	HVP/CB: HVP/Charge/AC/K/Output Voltage FB		6		
16			HVP/CB: HVP/Charge/AC/G/Output Voltage FB	5				
17			HVP/CB: HVP/Charge/AC/M/Output Voltage FB	4				
18			HVP/CB: HVP/Charge/AC/Y/Output Voltage FB	3				
19			HVP/CB: GND	2				
Imaging IOB			CN216	20		HVP/CB: +24VS2		CN9
	1	N.C.		-	-	-		
	2	N.C.		-	-	-		
	3	N.C.		-	-	-		
	4	Paper Exit Cooling/Controller Box Cooling/CTL Cooling Fan: CTRL		3				
	5	Controller Box Cooling Fan Lock		CN10	2	Toner Supply Cooling Fan		
	6	Controller Box Cooling Fan: GND			1			
	7	N.C.			-		-	-
	8	N.C.			-		-	-
	9	N.C.			-		-	-
	10	Toner Supply Cooling/Drive Cooling/Main Exhaust Fan: CTRL		3				
	11	Toner Supply Cooling Fan Lock		2				
	12	Toner Supply Cooling Fan: GND		1				
	13	N.C.		-	-	-		
	14	N.C.		-	-	-		
15	N.C.	-	-	-				

IM C3000/C3500 Harness Pin Assignment

Harness No.	Connector (From)			Signal Information	Connector (To)			Note
	To Connector	Addr.	Pin		Addr.	Pin	To Connector	
13	Harness ID.11	CN1	1	PCU: Lubricant Near-End Sensor/K	CN2	16	Harness ID.14	CN2: With relay connector
			2	PCU: +24VS2		15		
			3	PCU: HST_SCL		14		
			4	PCU: HST_SDA		13		
			5	PCU: HST Sensor/K/PWM		12		
			6	PCU: HST Sensor/+5V		11		
			7	PCU: HST Sensor/K/FB		10		
			8	PCU: GND		9		
			9	PCU: Lubricant Near-End Sensor/C		8		
			10	PCU: +24VS2		7		
			11	PCU: HST_SCL		6		
			12	PCU: HST_SDA		5		
			13	PCU: HST Sensor/C/PWM		4		
			14	PCU: HST Sensor/+5V		3		
			15	PCU: HST Sensor/C/FB		2		
			16	PCU: GND		1		
			17	PCU: Lubricant Near-End Sensor/M		32		
			18	PCU: +24VS2		31		
			19	PCU: HST_SCL		30		
			20	PCU: HST_SDA		29		
			21	PCU: HST Sensor/M/PWM		28		
			22	PCU: HST Sensor/+5V		27		
			23	PCU: HST Sensor/M/FB		26		
			24	PCU: GND		25		
			25	PCU: Lubricant Near-End Sensor/Y		24		
			26	PCU: +24VS2		23		
			27	PCU: HST_SCL		22		
			28	PCU: HST_SDA		21		
			29	PCU: HST Sensor/Y/PWM		20		
			30	PCU: HST Sensor/+5V		19		
			31	PCU: HST Sensor/Y/FB		18		
			32	PCU: GND		17		
14	Harness ID.13	CN1	1	N.C.	-	-	-	
			2	N.C.	-	-	-	
			3	PCU: GND	6	Harness ID.66		
			4	PCU: TD Sensor/K: Output	5			
			5	PCU: TD Sensor: Power	4			
			6	PCU: TD Sensor/K: SEL	3			
			7	PCU: TD Sensor: SDA	2			
			8	PCU: TD Sensor: SCL	1			
			9	N.C.	-	-	-	
			10	N.C.	-	-	-	
			11	PCU: GND	6	Harness ID.67		
			12	PCU: TD Sensor/C: Output	5			
			13	PCU: TD Sensor: Power	4			
			14	PCU: TD Sensor/C: SEL	3			
			15	PCU: TD Sensor: SDA	2			
			16	PCU: TD Sensor: SCL	1			
			17	N.C.	-	-	-	
			18	N.C.	-	-	-	
			19	PCU: GND	6	Harness ID.67		
			20	PCU: TD Sensor/M: Output	5			
			21	PCU: TD Sensor: Power	4			
			22	PCU: TD Sensor/M: SEL	3			
			23	PCU: TD Sensor: SDA	2			
			24	PCU: TD Sensor: SCL	1			
			25	N.C.	-	-	-	
			26	N.C.	-	-	-	
			27	PCU: GND	6	Harness ID.67		
			28	PCU: TD Sensor/Y: Output	5			
			29	PCU: TD Sensor: Power	4			
			30	PCU: TD Sensor/Y: SEL	3			
			31	PCU: TD Sensor: SDA	2			
			32	PCU: TD Sensor: SCL	1			
15	Harness ID.11	CN1	1	Waste Toner Capacity Sensor: GND	CN2	3	Waste Toner Capacity Sensor	CN1: With relay connector
			2	Waste Toner Capacity Sensor: Waste Toner Capacity Sensor		2		
			3	Waste Toner Capacity Sensor: +5V		1		
16	Harness ID.6	CN1	1	Fusing Exit Drive Solenoid: Terminal 2(PWM)	CN2	3	Fusing Exit Drive Solenoid	
			-	N.C.		2		
17	Harness ID.9	CN1	1	Fusing Exit Drive Solenoid: Terminal 1(+24VS2)	CN2	1	ITB Contact and Release Sensor	
			1	ITB Contact and Release Sensor: GND		3		
			2	ITB Contact and Release Sensor: Signal		2		
18	Harness ID.9	CN1	3	ITB Contact and Release Sensor: +5V	CN2	1	Toner End Sensor	CN2: With relay connector
			1	Toner End Sensor: GND		3		
			2	Toner End Sensor: Signal		2		
20	Harness ID.6	CN1	3	Toner End Sensor: +5VTEK	CN2	1	TM/ID Sensor: FRONT	
			1	TM/ID Sensor: 3.3V		5		
			2	TM/ID Sensor: GND		4		
			3	TM/ID Sensor: FRONT LED Drive	CN3	3	TM/ID Sensor: CENTER	
			4	TM/ID Sensor: FRONT Diffuse Reflection Sensor Output		2		
			5	TM/ID Sensor: FRONT Specular Reflection Sensor Output		1		
			6	TM/ID Sensor: 3.3V	CN4	5	TM/ID Sensor: REAR	
			7	TM/ID Sensor: GND		4		
			8	TM/ID Sensor: CENTER LED Drive		3		
			9	TM/ID Sensor: CENTER Diffuse Reflection Sensor Output		2		
			10	TM/ID Sensor: CENTER Specular Reflection Sensor Output		1		
			11	TM/ID Sensor: 3.3V		5		
			12	TM/ID Sensor: GND		4		
			13	TM/ID Sensor: REAR LED Drive		3		
			14	TM/ID Sensor: REAR Diffuse Reflection Sensor Output		2		
15	TM/ID Sensor: REAR Specular Reflection Sensor Output	1						
21	Harness ID.22	CN1	1	GND		CN2		6
			2	Sensor Signal	5			
			3	Sensor Power	4			
			4	Potentionmeter Clock	3			
			5	Potentionmeter Value Setting Signal	2			
			6	Potentionmeter CS Signal	1			
			7	GND	CN3	6	Proximity Sensor	
			8	Sensor Signal		5		
			9	Sensor Power		4		
			10	Potentionmeter Clock		3		
			11	Potentionmeter Value Setting Signal		2		
			12	Potentionmeter CS Signal		1		
22	Proximity Sensor Board	CN1	1	GND	CN3	12	Harness ID.21	
			2	Sensor Signal		11		
			3	Sensor Power		10		
			4	Potentionmeter Clock		9		
			5	Potentionmeter Value Setting Signal		8		
			6	Potentionmeter CS Signal		7		
	Proximity Sensor Board	CN2	1	GND		6		
			2	Sensor Signal		5		
			3	Sensor Power		4		
			4	Potentionmeter Clock		3		
			5	Potentionmeter Value Setting Signal		2		
			6	Potentionmeter CS Signal		1		

IM C3000/C3500 Harness Pin Assignment

Harness No.	Connector (From)			Signal Information	Connector (To)			Note		
	To Connector	Addr.	Pin		Addr.	Pin	To Connector			
23	-	-	-	N.C.	CN6	11	Fusing Drawer Harness ID.80			
	Harness ID.1	CN1	A1	Set Detection (P): GND		10				
			A2	Set Detection (C): GND		9				
			A3	Set Detection: NA		8				
			A4	Set Detection: EU		7				
			A5	Set Detection : Special Paper		6				
			-	N.C.		5				
			A6	New unit Detection Fuse		4				
			A7	New unit Detection Fuse: GND		3				
			-	N.C.		2				
			-	N.C.		1				
			-	N.C.		4				
			A8	Thermopile (edge)+5V		3	CN3		Thermopile (Edge)	
			A9	Thermopile (edge)/GND		2				
			A10	Thermopile (edge): FB		1				
			-	N.C.		-	4		CN4	Thermopile (Center)
			A11	Thermopile (center)+5V		3				
			A12	Thermopile (center)/GND	2					
			A13	Thermopile (center): FB	1					
			A14	Fusing Exit Sensor/GND	3	CN2	Fusing Exit Sensor			
			A15	Fusing Exit Sensor/Sensor Signal	2					
			A16	Fusing Exit Sensor+5V	1					
			A17	N.C.	-				-	
			B1	N.C.	-	-	-			
			B2	N.C.	-	-	-			
			B3	N.C.	-	-	-			
			B4	N.C.	-	-	-			
			B5	N.C.	-	-	-			
			-	N.C.	-	13	CN5		Fusing Drawer Harness ID.80	
			B6	Non-Contact Thermistor(Edge): Detection	12					
			B7	Non-Contact Thermistor(Edge): Compensation	11					
			B8	Non-Contact Thermistor(Edge)/GND	10					
			B9	Non-Contact Thermistor(Center): Detection	9					
			B10	Non-Contact Thermistor(Center): Compensation	8					
			B11	Non-Contact Thermistor(Center)/GND	7					
			B12	Pressure Thermistor: Full-Bleed Edge: FB	6					
			B13	Pressure Thermistor: Full-Bleed Edge/GND	5					
			B14	Pressure Thermistor: End: FB	4					
			B15	Pressure Thermistor: End/GND	3					
	B16	Pressure Thermistor: Center: FB	2							
	B17	Pressure Thermistor: Center/GND	1							
	Screw	T1	GND	1G	CN7	Fusing Drawer Harness ID.80				
	PSU (AC)	CN985	1	HT1/N			6			
			2	HT2/N			5			
			3	N.C.			2			
			4	HT1/L (Reserved)			3			
			5	HT2/L	4					
24	INLET	INLET	L	T900		PSU (AC)				
			N	T901		PSU (AC)				
			E	T1		Screw				
25	PSU (AC)	CN988	1	CN901	1	PSU (DC)				
			2		2					
			3		3					
26	PSU (AC)	CN989	1	CN2	2	Paper Feed Heater				
			2	CN3	2	Bank Heater				
			3	-	-	-				
			4	CN2	1	Paper Feed Heater				
			5	CN3	1	Bank Heater				
	Harness ID 45 (OP)	CN4	1	CN1	2	PCU Anti-condensation Heater				
			2	CN1	1	PCU Anti-condensation Heater				
27	Harness ID 46 (OP)	CN1	1	CN2	1	Paper Feed Heater				
			2		2					
28	PSU (AC)	CN990	1	CN1	1	Anti-condensation Heater SW				
			2		2					
29	HVP: TTS	T1	-	T6	-	Image Transfer				
		T2	-	T7	-					
		T3	-	T8	-					
		T4	-	T9	-					
		T5	-	T10	-					
31	Imaging IOB	CN221	1	CN151	40	Paper Transport IOB				
			2		39					
			3		38					
			4		37					
			5		36					
			6		35					
			7		34					
			8		33					
			9		32					
			10		31					
			11		30					
			12		29					
			13		28					
			14		27					
			15		26					
			16		25					
			17		24					
			18		23					
			19		22					
			20		21					
			21		20					
			22		19					
			23		18					
			24		17					
			25		16					
			26		15					
			27		14					
			28		13					
			29		12					
			30		11					
			31		10					
			32		9					
			33		8					
			34		7					
			35		6					
			36		5					
			37		4					
38	3									
39	2									
40	1									

IM C3000/C3500 Harness Pin Assignment

Harness No.	Connector (From)			Signal Information	Connector (To)			Note	
	To Connector	Addr.	Pin		Addr.	Pin	To Connector		
32	BiCU	CN103	1	FFC Connection Detection	CN214	50	Imaging IOB		
			2	ID-TAG SDA Signal		49			
			3	ID-TAG SCL Signal		48			
			4	HST Sensor SDA Signal		47			
			5	HST Sensor SCL Signal		46			
			6	GND		45			
			7	Power On Reset Signal		44			
			8	IOB Start Detection Signal		43			
			9	GND		42			
			10	IOB2 Interruption		41			
			11	IOB1 Interruption		40			
			12	IOB Addr.20		39			
			13	IOB Addr.19		38			
			14	IOB Addr.18		37			
			15	IOB Addr.17		36			
			16	IOB Addr.16		35			
			17	IOB Addr.15		34			
			18	IOB Addr.14		33			
			19	IOB Addr.13		32			
			20	IOB Addr.12		31			
			21	IOB Addr.11		30			
			22	IOB Addr.10		29			
			23	IOB Addr.9		28			
			24	IOB Addr.8		27			
			25	GND		26			
			26	IOB Addr.7		25			
			27	IOB Addr.6		24			
			28	IOB Addr.5		23			
			29	IOB Addr.4		22			
			30	IOB Addr.3		21			
			31	IOB Addr.2		20			
			32	IOB Addr.1		19			
			33	IOB Addr.0		18			
			34	GND		17			
			35	IOB Data 31		16			
			36	IOB Data 30		15			
			37	IOB Data 29		14			
			38	IOB Data 28		13			
			39	IOB Data 27		12			
			40	IOB Data 26		11			
			41	IOB Data 25		10			
			42	IOB Data 24		9			
			43	GND		8			
			44	GND		7			
			45	IOB2 Chip Select		6			
			46	IOB1 Chip Select		5			
			47	IOB Read Write Signal (L:Write)		4			
			48	IOB Read Signal		3			
			49	IOB Write Strobe Signal		2			
			50	FFC Connection Detection		1			
33	Harness ID.9	CN1	1	ITB New Unit Detection: GND	T1	Screw	CN1: With relay connector		
			2	ITB New Unit Detection: Signal	T2	Screw			
41	PSU (AC)	CN998	1	PSU(AC): AC L HUHT	CN920	1	DHB	Heater Option Harness 100V	
			2	N.C.		2			
			3	PSU(AC): AC N HUHT		3			
42	PSU (AC)	CN998	1	PSU(AC): AC L HUHT	CN920	1	DHB	Heater Option Harness 200V	
			2	N.C.		2			
			3	PSU(AC): AC N HUHT		3			
44	PSU (AC)	CN999	1	+24V Interlock Power	CN930	1	DHB	Heater Option Harness	
			2	Anti-condensation Heater Relay Trigger Signal		2			
			3	GND		3			
46	DHB	CN921	1	Paper Feed Heater N	CN1	2	Harness ID.27	Heater Option Harness	
			2	Bank Heater N	CN2	2	Bank Heater		
			3	N.C.	-	-	-		
			4	Paper Feed Heater L	CN1	1	Harness ID.27		
			5	Bank Heater L	CN2	1	Bank Heater		
47	DHB	CN921	1	Scanner Heater N	CN1	2	Scanner Heater	Heater Option Harness	
			2	PCU Anti-condensation Heater.N	CN2	2	PCU Anti-condensation Heater		
			3	Scanner Heater L	CN1	1	Scanner Heater		
			4	PCU Anti-condensation Heater L	CN2	1	PCU Anti-condensation Heater		
48	Harness ID.2	CN1	1	Key Counter: GND	CN2	1	Key Counter	Option Harness	
			2	Key Counter: Set Detection		2			
			3	Key Counter: For Optional Counter: +24V		3			
			4	Key Counter: CTRL		4			
55	Harness ID.1	CN1	1	Registration Sensor: GND	CN2	3	Registration Sensor	CN1: With relay connector	
			2	Registration Sensor: Sensor Signal		2			
			3	Registration Sensor: +5V		1			
56	Harness ID.1 & Harness ID.5	CN1	1	Pick-up Solenoid: Terminal1 (+24VS2)	CN6	2	N.C.	-	
			2	Pick-up Solenoid: Terminal2 (PWM)		1			
			3	Paper Feed: GND		3			
			4	Paper Feed: Sensor Signal	CN2	2	Paper Feed Sensor		
			5	Paper Feed: +5V		1			
			6	Transport Sensor: GND	CN3	3	Transport Sensor		
			7	Transport Sensor: Sensor Signal		2			
			8	Transport Sensor: +5V	CN4	1	Paper End Sensor		
			9	Paper End Sensor: GND		3			
			10	Paper End Sensor: Sensor Signal	CN4	2	Paper End Sensor		
			11	Paper End Sensor: +5V		1			
			12	Upper Limit Sensor: GND	CN5	3	Upper Limit Sensor		
			13	Upper Limit Sensor: Sensor Signal		2			
			14	Upper Limit Sensor: +5V		1			
57	Harness ID.1	CN1	1	PTR Open/Close LED: CTRL	CN3	2	PTR Open/Close LED	CN1: With relay connector	
			2	PTR Open/Close LED: +5V		1			
			3	Fusing Entrance Sensor: GND	CN2	3	Fusing Entrance Sensor		
			4	Fusing Entrance Sensor: Sensor Signal		2			
			5	Fusing Entrance Sensor: +5V		1			
58	Harness ID.1	CN1	1	Bypass/Duplex Motor: ENC: A Phase	CN3	8	Bypass/Duplex Motor	CN4: With relay connector	
			2	Bypass/Duplex Motor: ENC: B Phase		7			
			3	Bypass/Duplex Motor: +5V		6			
			4	Bypass/Duplex Motor: CW/CCW (Low)		5			
			5	Bypass/Duplex Motor: PWM		4			
			6	Bypass/Duplex Motor: Brake (Low)		3			
			7	Bypass/Duplex Motor: GND		2			
			8	Bypass/Duplex Motor: +24VS2		1			
			9	Duplex Entrance Sensor: GND	CN4	5	Harness ID.59		
			10	Duplex Entrance Sensor: Sensor Signal		4			
			11	Duplex Entrance Sensor: +5V		3			
			12	Duplex Exit Sensor: GND	CN6	3	Duplex Exit Sensor		
			13	Duplex Exit Sensor: Sensor Signal		2			
			14	Duplex Exit Sensor: +5V		1			
			15	Duplex Guide Plate Open/Close Sensor: SW Terminal2 (GND)	CN5	2	Duplex Guide Plate Open/Close Sensor		
			16	Duplex Guide Plate Open/Close Sensor: SW Terminal1		1			
			17	N.C.		-			
			18	N.C.	-	-	-		
59	Harness ID.58	CN1	1	Duplex Entrance Sensor: GND	CN2	3	Duplex Entrance Sensor		
			2	Duplex Entrance Sensor: Sensor Signal		2			
			3	Duplex Entrance Sensor: +5V		1			
			4	N.C.		-			
			5	N.C.		-			

IM C3000/C3500 Harness Pin Assignment

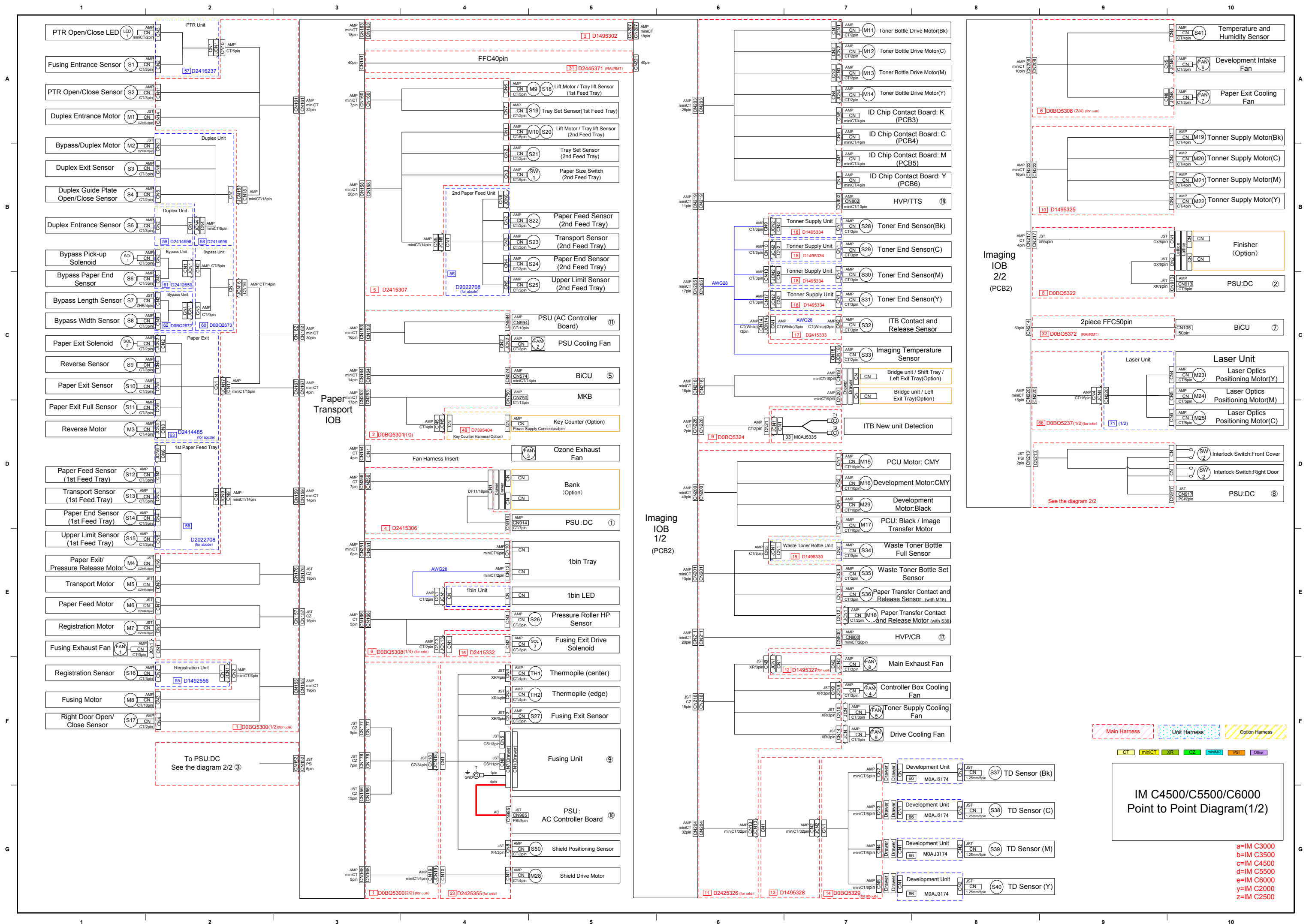
Harness No.	Connector (From)			Signal Information	Connector (To)			Note	
	To Connector	Addr.	Pin		Addr.	Pin	To Connector		
60	Harness ID.1	CN1	1	Bypass Pick-up Solenoid: Terminal 2(PWM)	CN2	5	Harness ID.61		
			2	Bypass Pick-up Solenoid: Terminal 1(+24VS2)		4			
			3	Bypass Paper End Sensor: GND		3			
			4	Bypass Paper End Sensor: Sensor Signal		2			
			5	Bypass Paper End Sensor: +5VE		1			
			6	N.C.	-	-	Harness ID.62		
			7	Bypass Length Sensor: Set Detection	CN3	9			
			8	Bypass Length Sensor: GND		8			
			9	Bypass Length Sensor: Sensor Signal		7			
			10	Bypass Length Sensor: 3.3V		6			
			11	N.C.	-	-			
			12	Bypass Width Sensor: GND	CN3	5			
			13	Bypass Width Sensor: Sensor Signal		4			
			14	Bypass Width Sensor: +5V		3			
			-	N.C.		2			
			-	N.C.		1			
61	Harness ID.60	CN1	1	Bypass Pick-up Solenoid: Terminal 2(PWM)	CN2	3	Bypass Pick-up Solenoid	CN1: With relay connector	
			-	N.C.		2			
			2	Bypass Pick-up Solenoid: Terminal 1(+24VS2)	CN3	1	Bypass Paper End Sensor		
			3	Bypass Paper End Sensor: GND		3			
			4	Bypass Paper End Sensor: Sensor Signal		2			
5	Bypass Paper End Sensor: +5V	1							
62	Harness ID.60	CN1	1	Bypass Length Sensor: Set Detection	CN2	1	Bypass Length Sensor	CN1: With relay connector	
			2	Bypass Length Sensor: GND		2			
			3	Bypass Length Sensor: Sensor Signal		3			
			4	Bypass Length Sensor: 3.3V		4			
			5	Bypass Width Sensor: GND	CN3	3	Bypass Width Sensor		
			6	Bypass Width Sensor: Sensor Signal		2			
			7	Bypass Width Sensor: +5V		1			
			8	N.C.		-			-
			9	N.C.	-	-	-		
63	Harness ID.1	CN1	1	Paper Exit Solenoid: Terminal 1(+24VS2)	CN2	2	Paper Exit Solenoid	CN2, CN3: With relay connector	
			2	Paper Exit Solenoid: Terminal 2(PWM)		1			
			3	Reverse Sensor: GND	CN4	3	Reverse Sensor		
			4	Reverse Sensor: Sensor Signal		2			
			5	Reverse Sensor: +5V		1			
			6	Paper Exit Sensor: GND	CN5	3	Paper Exit Sensor		
			7	Paper Exit Sensor: Sensor Signal		2			
			8	Paper Exit Sensor: +5V		1			
			9	Paper Exit Full Sensor: GND	CN6	3	Paper Exit Full Sensor		
			10	Paper Exit Full Sensor: Sensor Signal		2			
			11	Paper Exit Full Sensor: +5V		1			
			12	Reverse Motor: XB Phase	CN3	4	Reverse Motor		
			13	Reverse Motor: B Phase		3			
			14	Reverse Motor: XA Phase		2			
			15	Reverse Motor: A Phase		1			
66	Harness ID.14	CN1	1	PCU: TD Sensor: SCL	CN2	1	TD Sensor		
			2	PCU: TD Sensor: SDA		2			
			3	PCU: TD Sensor: SEL		3			
			4	PCU: TD Sensor: Power		4			
			5	PCU: TD Sensor: Output		5			
			6	PCU: GND		6			
67	Harness ID.14	CN1	1	PCU: TD Sensor: SCL	CN2	1	TD Sensor		
			2	PCU: TD Sensor: SDA		2			
			3	PCU: TD Sensor: SEL		3			
			4	PCU: TD Sensor: Power		4			
			5	PCU: TD Sensor: Output		5			
			6	PCU: GND		6			
68	BiCU	CN579	8	DATA3 K N	CN1	1	Harness ID.72	CN1, CN2, CN3, CN4: With relay connector	
			7	DATA3 K		2			
			6	DATA4 K N		3			
			5	DATA4 K		4			
			4	DATA1 K N		5			
			3	DATA1 K		6			
		BiCU	CN588	2	DATA2 K N	CN2			7
				1	DATA2 K				8
				11	DROPEN				1
				10	ERR KC N				2
				9	APC KC N				3
				8	GND				4
	BiCU		CN589	7	SYCLK KC	CN2			5
				6	SYCS KC N				6
				5	SYDI KC				7
				4	SYDO KC				8
				3	+5VS				9
				2	+5VS				10
		1		GND	11				
		-		N.C.	12				
		10		GND	13				
	BiCU	CN587	9	SYCLK YM	CN3	14			
			8	SYCS YM N		15			
			7	SYDI YM		16			
			6	SYDO YM		17			
			5	ERR YM N		18			
			4	APC YM N		19			
			3	+5VS		20			
			2	+5VS		21			
			1	GND		22			
			-	N.C.		1			
			-	N.C.		2			
			-	N.C.		3			
8			K: Sync GND	4					
7			K: Sync VCC	5					
6			K: Sync Signal	6					
5			Polygon Mirror Motor CLOCK	7					
4			Polygon Mirror Motor READY	8					
3			Polygon Mirror Motor DN	9					
2			Polygon Mirror Motor GND	10					
1	Polygon Mirror Motor DV24V	11							
Imaging IOB	CN220	15	Laser Optics Positioning Motor(C): A Phase	CN4	1	Harness ID.71			
		14	Laser Optics Positioning Motor(C): B Phase		2				
		13	+24V		3				
		12	Laser Optics Positioning Motor(C): B Phase		4				
		11	Laser Optics Positioning Motor(C): A Phase		5				
		10	Laser Optics Positioning Motor(M): A Phase		6				
		9	Laser Optics Positioning Motor(M): B Phase		7				
		8	+24V		8				
		7	Laser Optics Positioning Motor(M): B Phase		9				
		6	Laser Optics Positioning Motor(M): A Phase		10				
		5	Laser Optics Positioning Motor(Y): A Phase		11				
		4	Laser Optics Positioning Motor(Y): B Phase		12				
3	+24V	13							
2	Laser Optics Positioning Motor(Y): B Phase	14							
1	Laser Optics Positioning Motor(Y): A Phase	15							

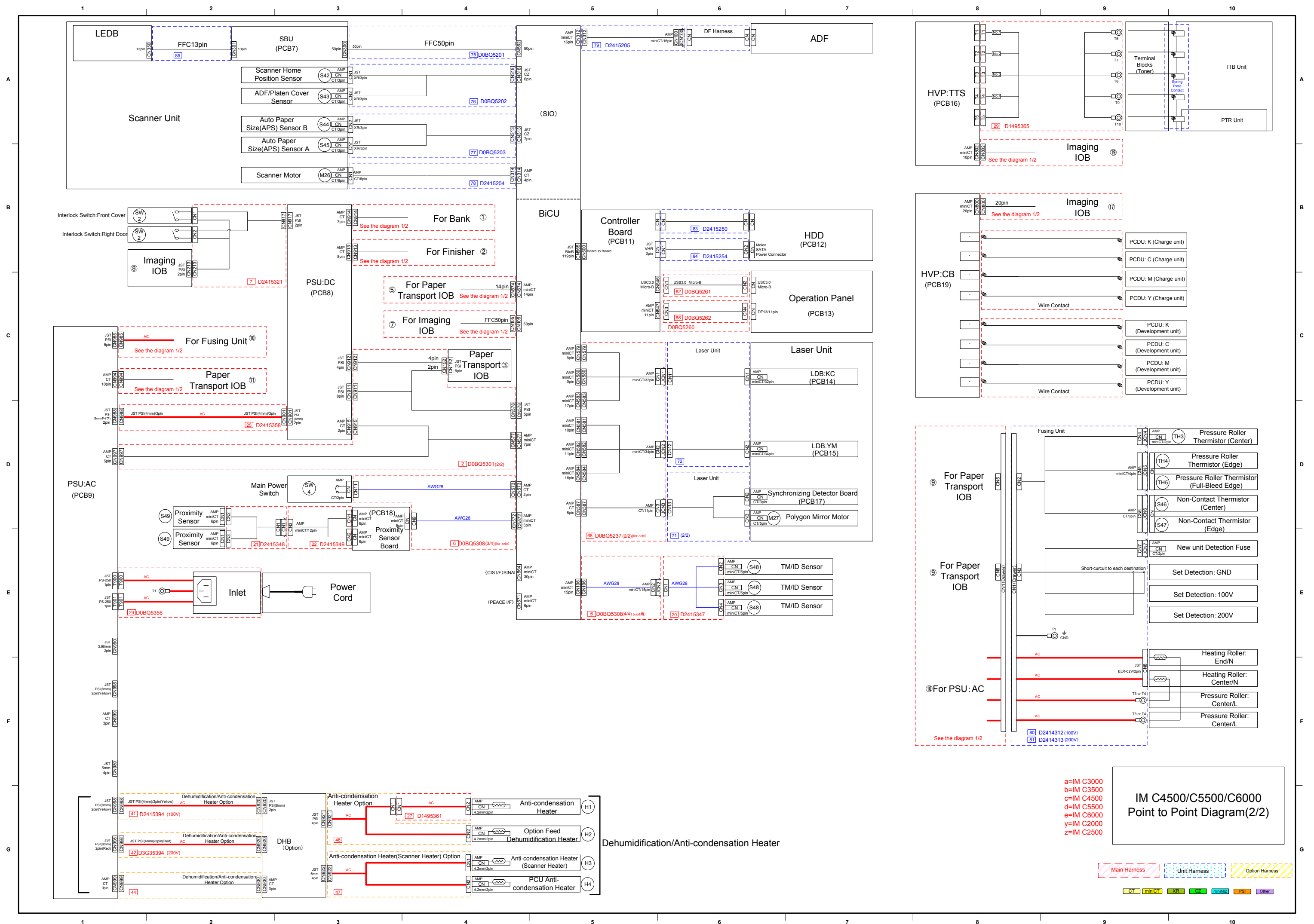
IM C3000/C3500 Harness Pin Assignment

Harness No.	Connector (From)			Signal Information	Connector (To)			Note	
	To Connector	Addr.	Pin		Addr.	Pin	To Connector		
71	Harness ID.68	CN13	11	N.C.	-	-	-		
			10	N.C.	-	-	-		
			9	N.C.	-	-	-		
			8	K: Sync GND	CN2	1	Sync Detection K		
			7	K: Sync VCC		2			
			6	K: Sync Signal		3			
			5	Polygon Mirror Motor CLOCK	CN3	1	Polygon Mirror Motor		
			4	Polygon Mirror Motor READY		2			
			3	Polygon Mirror Motor ON		3			
			2	Polygon Mirror Motor GND		4			
			1	Polygon Mirror Motor DV24V		5			
	Harness ID.68	CN220	15	Laser Optics Positioning Motor(C): A Phase	CN6	1	Laser Optics Positioning Motor(C)		
			14	Laser Optics Positioning Motor(C): B Phase		2			
			13	+24VSK		3			
			12	Laser Optics Positioning Motor(C): /B Phase		4			
			11	Laser Optics Positioning Motor(C): /A Phase	CN5	5	Laser Optics Positioning Motor(M)		
			10	Laser Optics Positioning Motor(M): A Phase		1			
			9	Laser Optics Positioning Motor(M): B Phase		2			
			8	+24VSK		3			
			7	Laser Optics Positioning Motor(M): /B Phase		4			
			6	Laser Optics Positioning Motor(M): /A Phase	CN4	5	Laser Optics Positioning Motor(Y)		
			5	Laser Optics Positioning Motor(Y): A Phase		1			
			4	Laser Optics Positioning Motor(Y): B Phase		2			
			3	+24VSK		3			
			2	Laser Optics Positioning Motor(Y): /B Phase		4			
			1	Laser Optics Positioning Motor(Y): /A Phase		5			
72	Harness ID.68	CN11	8	DATA K N	CN1	1	LDB:KC		
			7	DATA K		2			
			6	DATA C N		3			
			5	DATA C	CN3	4	LDB:YM		
			4	DATA Y N		1			
			3	DATA Y		2			
			2	DATA M N		3			
			1	DATA M		4			
		-	-	N.C.	CN2	5	LDB:KC		
		CN12	11	DROPEN		1			
			10	ERR KC N		2			
			9	APC KC N		3			
			8	GND		4			
			7	SYCLK KC		5			
			6	SYCS KC N		6			
			5	SYDI KC		7			
			4	SYDO KC		8			
			3	+5VS		9			
			2	+5VS		10			
			1	GND		11			
			22	N.C.	-	-	-		
			21	GND	CN4	1	LDB:YM		
			20	SYCLK YM		2			
			19	SYCS YM N		3			
			18	SYDI YM		4			
			17	SYDO YM		5			
			16	ERR YM N		6			
			15	APC YM N		7			
			14	+5VS		8			
			13	+5VS		9			
			12	GND		10			
75	BiCU	CN562	1	Serial CS	-	50	SBU		
			2	Serial TX Data		49			
			3	Serial CLOCK		48			
			4	GND		47			
			5	White Board Erea Signal		46			
			6	Effective Original Erea		45			
			7	GND		44			
			8	LED Control		43			
			9	LED Light		42			
			10	GND		41			
			11	24V		40			
			12	24V		39			
			13	24V		38			
			14	GND		37			
			15	GND		36			
			16	GND		35			
			17	6V		34			
			18	6V		33			
			19	6V		32			
			20	GND		31			
			21	10V		30			
			22	10V		29			
			23	GND		28			
			24	3.3V		27			
			25	3.3V		26			
			26	3.3V		25			
			27	GND		24			
			28	GND		23			
			29	GND		22			
			30	GND		21			
			31	GND		20			
			32	LVDS Data E(+)		19			
			33	LVDS Data E(-)		18			
			34	GND		17			
			35	LVDS Data D(+)		16			
			36	LVDS Data D(-)		15			
			37	GND		14			
			38	LVDS Transfer clk(+)		13			
			39	LVDS Transfer clk(-)		12			
			40	GND		11			
			41	LVDS Data C(+)		10			
			42	LVDS Data C(-)		9			
			43	GND		8			
			44	LVDS Data B(+)		7			
			45	LVDS Data B(-)		6			
			46	GND		5			
			47	LVDS Data A(+)		4			
			48	LVDS Data A(-)		3			
			49	GND		2			
			50	Serial RX Data		1			

IM C3000/C3500 Harness Pin Assignment

Harness No.	Connector (From)			Signal Information	Connector (To)			Note				
	To Connector	Addr.	Pin		Addr.	Pin	To Connector					
76	BiCU	CN318	1	GND	CN1	3	Scanner Home Position Sensor					
			2	HPS_SENS		2						
			3	+5V		1						
			4	GND	CN2	3	ADF/Platen Cover Sensor					
			5	XAKS		2						
			6	5VE AKS		1						
77	BiCU	CN313	1	GND	CN1	3	Auto Paper Size(APS) Sensor/A					
			2	APS1_V		2						
			3	VCC_APS		1						
			4	GND	CN2	3	Auto Paper Size(APS) Sensor/B					
			5	APS2_V		2						
			6	VCC_APS		1						
78	BiCU	CN314	7	N.C.	CN1	—	—					
			2	B		1						
			—	N.C.		2						
			1	B		3						
			4	A		4						
			—	N.C.		5						
3	A	6										
80	Harness ID.23	CN1	1	GND	T1	—	Screw	CN4, CN5, CN6, CN7: With relay connector				
			2	N.C.	—	—						
			3	HT1/L	T3	—	Screw					
			4	HT2/L	T4	—	Screw					
			5	HT2/N	CN8	1	Heating Roller: End					
			6	HT1/N		2	Heating Roller: Center					
		CN2	1	Pressure Thermistor: Center	CN4	2	Pressure Thermistor: Center					
			2	Pressure Thermistor: Center:FB		1						
			3	Pressure Thermistor: End	CN5	4	Pressure Thermistor: End/2					
			4	Pressure Thermistor: End:FB		3						
			5	Pressure Thermistor: Full-Bleed Edge	CN6	2	Pressure Thermistor: Full-Bleed Edge					
			6	Pressure Thermistor: Full-Bleed Edge:FB		1						
			7	Non-Contact Thermistor(Center)/GND	6	Non-Contact Thermistor(Center)						
			8	Non-Contact Thermistor(Center): Compensation	5							
			9	Non-Contact Thermistor(Center): Detection	4							
			10	Non-Contact Thermistor(Edge)/GND	3							
			11	Non-Contact Thermistor(Edge): Compensation	2	Non-Contact Thermistor(Edge)						
			12	Non-Contact Thermistor(Edge): Detection	1							
		13	N.C.	—	—							
		CN3	1	N.C.	—	—						
			2	N.C.	—	—						
			3	New unit Detection Fuse: GND	CN7	2	New unit Detection Fuse					
			4	New unit Detection Fuse		1						
			5	N.C.	—	—						
6	N.C.(Set Detection: Special Paper)		—	—								
7	N.C.(Set Detection: 200V)		—	—								
8	Set Detection: 100V		CN3	9	Set Detection: 100V Model (Short-Circuit)							
10	N.C.(Set Detection (P): GND)		—	—								
11	N.C.		—	—								
81	Harness ID.23		CN1	1	GND	T1	—	Screw	CN4, CN5, CN6, CN7: With relay connector			
				2	N.C.	—	—					
		3		HT1/L	T3	—	Screw					
		4		HT2/L	T4	—	Screw					
		5		HT2/N	CN8	1	Heating Roller: End					
		6		HT1/N		2	Heating Roller: Center					
		CN2	1	Pressure Thermistor: Center	CN4	2	Pressure Thermistor: Center					
			2	Pressure Thermistor: Center:FB		1						
			3	Pressure Thermistor: End	CN5	4	Pressure Thermistor: End/2					
			4	Pressure Thermistor: End:FB		3						
			5	Pressure Thermistor: Full-Bleed Edge	CN6	2	Pressure Thermistor: Full-Bleed Edge					
			6	Pressure Thermistor: Full-Bleed Edge: FB		1						
			7	Non-Contact Thermistor(Center)/GND	6	Non-Contact Thermistor(Center)						
			8	Non-Contact Thermistor(Center): Compensation	5							
			9	Non-Contact Thermistor(Center): Detection	4							
			10	Non-Contact Thermistor(Edge)/GND	3							
			11	Non-Contact Thermistor(Edge): Compensation	2	Non-Contact Thermistor(Edge)						
			12	Non-Contact Thermistor(Edge): Detection	1							
		13	N.C.	—	—							
		CN3	1	N.C.	—	—						
			2	N.C.	—	—						
			3	New unit Detection Fuse: GND	CN7	2	New unit Detection Fuse					
			4	New unit Detection Fuse		1						
			5	N.C.	—	—						
6	N.C.(Set Detection: Special Paper)		—	—								
7	N.C.(Set Detection: 200V)		CN3	9	Set Detection: 200V Model (Short-Circuit)							
8	Set Detection: 100V		—	—								
10	N.C.(Set Detection (P): GND)		—	—								
11	N.C.		—	—								
82	CTL		CN1	1	VBUS	CN2	1	Operation Panel				
				2	USB D-		2					
		3		USB D+	3							
		5		GND	5							
		6		MicB_SSTX-	6							
		7		MicB_SSTX+	7							
		8		GND_DRAIN	8							
		9		MicB_SSRX-	9							
		10		MicB_SSRX+	10							
		4		ID	4							
		83		CTL	CN512		1		GND	CN	1	HDD
							2		HDD_Signal: TXP		2	
3	HDD_Signal: TXM		3									
4	GND		4									
5	HDD_Signal: RXM		5									
6	HDD_Signal: RXP		6									
7	GND		7									
84	CTL	CN514	1	GND	CN	3	HDD					
			2	5V		2						
			3	HDD_Detection_Signal		1						
85	SBU	CN350	1	LED1 - 5 Drive	CN	13	LEDB					
			2	LED6 - 10 Drive		12						
			3	LED11 - 15 Drive		11						
			4	LED16 - 20 Drive		10						
			5	LED21 - 25 Drive		9						
			6	LED26 - 30 Drive		8						
			7	LED31 - 35 Drive		7						
			8	LED36 - 40 Drive		6						
			9	LED41 - 45 Drive		5						
			10	LED46 - 50 Drive		4						
			11	Diagonal Insertion Parts Fault Prevention		3						
			12	LED_Drive_Power		2						
			13	LED_Drive_Power		1						
86	CTL	CN1	1	+5VX_LPS	CN2	1	Operation Panel					
			2	+5VX_LPS		2						
			3	+5VX_LPS		3						
			4	SC672ERR1		4						
			5	SC672_DET		5						
			6	SCR_EN_N		6						
			7	GND		7						
			8	GND		8						
			9	GND		9						
			10	ENG_NFC_REQ_N		10						
			11	SDMODE		11						





IM C4500/C5500/C6000 Harness Pin Assignment

Harness No.	Connector (From)			Signal Information	Connector (To)			Note
	To Connector	Addr.	Pin		Addr.	Pin	To Connector	
1	Paper Transport IOB	CN155	1	Fusing Exhaust Fan: +24V(CTRL)	CN1	3	Fusing Exhaust Fan	CN9, CN15, CN16, CN17, CN18, CN19 : With relay connector
			2	Fusing Exhaust Fan: Lock Sensor Signal		2		
			3	Fusing Exhaust Fan: GND		1		
			4	Registration Sensor: GND	CN2	3	Harness ID.55	
			5	Registration Sensor: Sensor Signal		2		
			6	Registration Sensor: +5V		1		
			7	Fusing Motor: Load Monitor	CN3	10	Fusing Motor	
			8	Fusing Motor: Maker		9		
			9	Fusing Motor: FG		8		
			10	Fusing Motor: Direction		7		
			11	Fusing Motor: PWM		6		
			12	Fusing Motor: Brake		5		
			13	Fusing Motor: GND		4		
			14	Fusing Motor: GND		3		
			15	Fusing Motor: +24VS2		2		
			16	Fusing Motor: +24VS2		1		
			17	N.C.	-	-	-	
			18	Right Door Open/Close Sensor: SW Terminal2 (GND)	CN4	2	Right Door Open/Close Sensor	
			19	Right Door Open/Close Sensor: SW Terminal1		1		
	Paper Transport IOB	CN176	1	N.C.	-	-	-	
			2	Paper Exit/Pressure Release Motor: ENC: A Phase	CN6	8	Paper Exit/Pressure Release Motor	
			3	Paper Exit/Pressure Release Motor: ENC: B Phase		7		
			4	Paper Exit/Pressure Release Motor: +5V		6		
			5	Paper Exit/Pressure Release Motor: CW/CCW (Low)		5		
			6	Paper Exit/Pressure Release Motor: PWM		4		
			7	Paper Exit/Pressure Release Motor: Brake (Low)		3		
			8	Paper Exit/Pressure Release Motor: GND		2		
			9	Paper Exit/Pressure Release Motor: +24VS2		1		
			10	Transport Motor: ENC: A Phase	CN8	8	Transport Motor	
			11	Transport Motor: ENC: B Phase		7		
			12	Transport Motor: +5V		6		
			13	Transport Motor: CW/CCW (Low)		5		
			14	Transport Motor: PWM		4		
			15	Transport Motor: Brake (Low)		3		
			16	Transport Motor: GND		2		
			17	Transport Motor: +24VS2		1		
			18	N.C.	-	-	-	
	Paper Transport IOB	CN157	1	Paper Feed Motor: ENC: A Phase	CN7	8	Paper Feed Motor	
			2	Paper Feed Motor: ENC: B Phase		7		
			3	Paper Feed Motor: +5V		6		
			4	Paper Feed Motor: CW/CCW (Low)		5		
			5	Paper Feed Motor: PWM		4		
			6	Paper Feed Motor: Brake (Low)		3		
			7	Paper Feed Motor: GND	CN5	2	Registration Motor	
			8	Paper Feed Motor: +24VS2		1		
			9	Registration Motor: ENC: A Phase		8		
			10	Registration Motor: ENC: B Phase		7		
			11	Registration Motor: +5V		6		
			12	Registration Motor: CW/CCW (Low)		5		
			13	Registration Motor: PWM		4		
			14	Registration Motor: Brake (Low)		3		
			15	Registration Motor: GND		2		
			16	Registration Motor: +24VS2		1		
	Paper Transport IOB	CN159	1	Pick-up Solenoid (1st Feed Tray): Terminal1 (+24VS2)	CN9	14	Harness ID.56	
			2	Pick-up Solenoid (1st Feed Tray): Terminal2 (PWM)		13		
			3	Paper Exit Full Sensor: GND		12		
			4	Paper Exit Full Sensor: Sensor Signal		11		
			5	Paper Exit Full Sensor: +5V		10		
			6	Transport Sensor (1st Feed Tray): GND		9		
			7	Transport Sensor (1st Feed Tray): Sensor Signal		8		
			8	Transport Sensor (1st Feed Tray): +5V		7		
			9	Paper End Sensor (1st Feed Tray): GND		6		
			10	Paper End Sensor (1st Feed Tray): Sensor Signal		5		
			11	Paper End Sensor (1st Feed Tray): +5V		4		
			12	Upper Limit Sensor (1st Feed Tray): GND		3		
			13	Upper Limit Sensor (1st Feed Tray): Sensor Signal		2		
			14	Upper Limit Sensor (1st Feed Tray): +5V		1		
	Paper Transport IOB	CN161	1	PTR Open/Close LED: CTRL	CN10	5	Harness ID.57	
			2	PTR Open/Close LED: +5V		4		
			3	Fusing Entrance Sensor: GND		3		
			4	Fusing Entrance Sensor: Sensor Signal		2		
			5	Fusing Entrance Sensor: +5V	CN11	1	PTR Open/Close Sensor	
			6	PTR Open/Close Sensor: GND		3		
			7	PTR Open/Close Sensor: Sensor Signal		2		
			8	PTR Open/Close Sensor: +5V		1		
			9	Duplex Entrance Motor: ENC: A Phase	CN14	8	Duplex Entrance Motor	
			10	Duplex Entrance Motor: ENC: B Phase		7		
			11	Duplex Entrance Motor: +5V		6		
			12	Duplex Entrance Motor: CW/CCW (Low)		5		
			13	Duplex Entrance Motor: PWM		4		
			14	Duplex Entrance Motor: Brake (Low)		3		
			15	Duplex Entrance Motor: GND		2		
			16	Duplex Entrance Motor: +24VS2		1		
			17	Bypass/Duplex Motor: ENC: A Phase	CN15	18	Harness ID.58	
			18	Bypass/Duplex Motor: ENC: B Phase		17		
			19	Bypass/Duplex Motor: +5V		16		
			20	Bypass/Duplex Motor: CW/CCW (Low)		15		
			21	Bypass/Duplex Motor: PWM		14		
			22	Bypass/Duplex Motor: Brake (Low)		13		
			23	Bypass/Duplex Motor: GND		12		
			24	Bypass/Duplex Motor: +24VS2		11		
			25	Duplex Entrance Sensor: GND		10		
			26	Duplex Entrance Sensor: Sensor Signal		9		
			27	Duplex Entrance Sensor: +5V		8		
			28	Duplex Exit Sensor: GND		7		
			29	Duplex Exit Sensor: Sensor Signal		6		
			30	Duplex Exit Sensor: +5V		5		
			31	Duplex Guide Plate Open/Close Sensor: SW Terminal2 (GND)		4		
			32	Duplex Guide Plate Open/Close Sensor: SW Terminal1		3		
			-	N.C.		2		
			-	N.C.		1		

IM C4500/C5500/C6000 Harness Pin Assignment

Harness No.	Connector (From)			Signal Information	Connector (To)			Note
	To Connector	Addr.	Pin		Addr.	Pin	To Connector	
1	Paper Transport IOB	CN162	1	Bypass Pick-up Solenoid: Terminal2 (PWM)	CN16	14	Harness ID.60	CN9, CN15, CN16, CN17, CN18, CN19 : With relay connector
			2	Bypass Pick-up Solenoid: Terminal1 (+24VS2)		13		
			3	Bypass Paper End Sensor: GND		12		
			4	Bypass Paper End Sensor: Sensor Signal		11		
			5	Bypass Paper End Sensor: +5V		10		
			6	Bypass Length Sensor: SW Terminal2		9		
			7	Bypass Length Sensor: SW Terminal1		8		
			8	Bypass Length Sensor: COM Terminal (GND)		7		
			9	Bypass Length Sensor: SW Terminal4		6		
			10	Bypass Length Sensor: SW Terminal5		5		
			11	Bypass Length Sensor: SW Terminal3		4		
			12	Bypass Width Sensor: GND		3		
			13	Bypass Width Sensor: Sensor Signal		2		
			14	Bypass Width Sensor: +5V		1		
			15	N.C.	-	-		
			16	Paper Exit Solenoid: Terminal1 (+24VS2)	15	CN17	Harness ID.63	
			17	Paper Exit Solenoid: Terminal2 (PWM)	14			
			18	Reverse Sensor: GND	13			
			19	Reverse Sensor: Sensor Signal	12			
			20	Reverse Sensor: +5V	11			
			21	Paper Exit Sensor: GND	10			
			22	Paper Exit Sensor: Sensor Signal	9			
			23	Paper Exit Sensor: +5V	8			
			24	Paper Exit Full Sensor: GND	7			
			25	Paper Exit Full Sensor: Sensor Signal	6			
			26	Paper Exit Full Sensor: +5V	5			
			27	N.C.	-	-	-	
			28	N.C.	-	-	-	
			29	N.C.	-	-	-	
			30	N.C.	-	-	-	
	Paper Transport IOB	CN167	1	Reverse Motor: XB Phase	CN17	4	Harness ID.63	
			2	Reverse Motor: B Phase		3		
			3	Reverse Motor: XA Phase		2		
			4	Reverse Motor: A Phase		1		
	Paper Transport IOB	CN178	1	Set Detection (P): GND	CN18	A17	Harness ID.23	
			2	Set Detection (C): GND		A16		
			3	Set Detection: NA		A15		
			4	Set Detection: EU		A14		
			5	Set Detection : Special Paper		A13		
			6	NewUnit Detection Fuse		A12		
			7	NewUnit Detection Fuse: GND		A11		
		CN177	1	Thermopile (edge)+5V		A10		
			2	Thermopile (edge)GND		A9		
			3	Thermopile (edge): FB		A8		
			4	Thermopile (center)+5V		A7		
			5	Thermopile (center)GND		A6		
			6	Thermopile (center): FB		A5		
			7	Fusing Exit SensorGND		A4		
			8	Fusing Exit SensorSensor Signal		A3		
			9	Fusing Exit Sensor+5V		A2		
		CN156	-	N.C.		A1		
			-	N.C.		B17		
			-	N.C.		B16		
			1	Shield Positioning Sensor: GND		B15		
			2	Shield Positioning Sensor: Sensor Signal		B14		
3			Shield Positioning Sensor: +5V	B13				
4			Non-Contact Thermistor(Edge): Detection	B12				
5			Non-Contact Thermistor(Edge): Compensation	B11				
6			Non-Contact Thermistor(Edge)GND	B10				
7			Non-Contact Thermistor(Center): Detection	B9				
8			Non-Contact Thermistor(Center): Compensation	B8				
9			Non-Contact Thermistor(Center)GND	B7				
10			Pressure Thermistor: Full-Bleed Edge: FB	B6				
11			Pressure Thermistor: Full-Bleed EdgeGND	B5				
12			Pressure Thermistor: End: FB	B4				
13			Pressure Thermistor: EndGND	B3				
14			Pressure Thermistor: Center: FB	B2				
15			Pressure Thermistor: CenterGND	B1				
Paper Transport IOB			CN168	1		Shield Drive Motor: XB Phase (B3)		CN19
	2	Shield Drive Motor: B Phase (B1)		3				
	3	Shield Drive Motor: A Phase (A1)		2				
	4	Shield Drive Motor: XA Phase (A3)		1				
	5	N.C.		-	-			

IM C4500/C5500/C6000 Harness Pin Assignment

Harness No.	Connector (From)			Signal Information	Connector (To)			Note	
	To Connector	Addr.	Pin		Addr.	Pin	To Connector		
2	Paper Transport IOB	CN153	1	AC driver: +24V	CN994	10	PSU (AC)	CN2, CN5 : With relay connector	
			2	AC driver: GND		9			
			3	AC driver: Zero Cross Signal1		8			
			4	AC driver: Fusing Relay Trigger Signal1		7			
			5	AC driver: Anti-condensation Heater Relay Trigger Signal		6			
			6	AC driver: AG Voltage Detection Signal		5			
			7	AC driver: Fusing Heater2 Trigger Signal		4			
			8	AC driver: Fusing Heater1 Trigger Signal		3			
			9	AC driver: Fusing Relay Trigger Signal2		2			
			10	AC driver: Zero Cross Signal2		1			
			11	PSU Cooling Fan: +24V (CTRL)	3	PSU Cooling Fan			
			12	PSU Cooling Fan: Lock Sensor Signal	2				
			13	PSU Cooling Fan: GND	1				
			14	N.C.	-		-		
			15	N.C.	-		-		
			16	N.C.	-		-		
	Paper Transport IOB	CN164	1	IPU: PONSENS IOB_N	CN574	14	BiCU		
			2	IPU: GND		13			
			3	IPU: +5VE LPS		12			
			4	IPU: GND		11			
			5	IPU: +24V		10			
			6	IPU: +24V		9			
			7	IPU: +24V		8			
			8	IPU: +24V		7			
			9	IPU: GND		6			
			10	IPU: GND		5			
			11	IPU: GND		4			
			12	IPU: +24VS1		3			
			13	IPU: +24VS2		2			
			14	IPU: GND		1			
	Paper Transport IOB	CN253	1	MKB: +5V	CN750	13	MKB		
			2	MKB: Key Card Set Detection		12			
			3	MKB: b0 (Size1)		11			
			4	MKB: b1 (Size2)		10			
			5	MKB: b2 (Size3)		9			
			6	MKB: b3 (Size4)		8			
			7	MKB: b4 (Mode1)		7			
			8	MKB: b5 (Mode2)		6			
			9	MKB: b6 (Duplex)		5			
			10	MKB: b7 (Motor)		4			
			11	MKB: GND		3			
			12	MKB: Key Card: CTRL		2			
			13	MKB: For Optional Counter: +24V		1			
			14	Key Counter: GND	4	Key Counter			
			15	Key Counter: Key Counter: Set Detection	3				
			16	Key Counter: For Optional Counter: +24V	2				
			17	Key Counter: Key Counter: CTRL	1				
	BiCU	CN577	1	PSU(DC):DC Power ON Signal	CN915	2	PSU (DC)		
			2	PSU(DC): GND		1			
			3	PSU(AC):+5VX		5			
			4	PSU(AC):Latch Enable Signal	CN997	4	PSU (AC)		
			5	PSU(AC): Anti-condensation Heater(Scanner Heater) Relay Trigger		3			
			6	PSU(AC): Anti-condensation Heater Relay Trigger		2			
	7	PSU(AC): GND	1						
	Paper Transport IOB	CN152	1	PSU: +24V	CN912	4	PSU (DC)		
			2	PSU: +24V		3			
			3	PSU: GND(+24V)		2			
			4	PSU: GND(+24V)	CN911	1	PSU (DC)		
			5	PSU: GND(+5V)		4			
			6	PSU: +5V		8			
	1	PSU: GND	2						
	2	PSU: GND	3						
	3	PSU: 5V	7						
	4	PSU: 5VX	6						
	5	PSU: 5VX	5						
	-	-	-	N.C.	-	1	-		
3	Imaging IOB	CN207	1	Paper Transport IOB: GND	CN163	18	Paper Transport IOB		
			2	Paper Transport IOB: GND		17			
			3	Paper Transport IOB: +24VS2		16			
			4	Paper Transport IOB: +24VS2		15			
			5	Paper Transport IOB: +24VS2		14			
			6	Paper Transport IOB: +24VS2		13			
			7	Paper Transport IOB: +24VS1		12			
			8	Paper Transport IOB: GND		11			
			9	Paper Transport IOB: GND		10			
			10	Paper Transport IOB: GND		9			
			11	Paper Transport IOB: GND		8			
			12	Paper Transport IOB: GND		7			
			13	Paper Transport IOB: GND		6			
			14	Paper Transport IOB: +5V		5			
			15	Paper Transport IOB: +24V		4			
			16	Paper Transport IOB: +24V		3			
			17	Paper Transport IOB: +24V		2			
			18	Paper Transport IOB: GND		1			
4	Paper Transport IOB	CN256	1	Bank: RXD	CN1	16	Bank Drawer		
			2	Bank: TXD		14			
			3	Bank: GND		12			
			4	Bank: GND		10			
			5	Bank: +5V		8			
			6	Bank: +5V		6			
			7	Bank: GND		4			
	PSU (DC)	CN914	1	PSU: GND		3			
			2	PSU: GND		5			
			3	PSU: GND		7			
			4	PSU: 24V		9			
			5	PSU: 24V		11			
			6	PSU: 24V		13			
			7	PSU: 24V		15			
	-	-	-	N.C.		-		1	-
	-	-	-	N.C.		-		2	-
	-	-	-	N.C.		-		17	-
	-	-	-	N.C.		-		18	-

IM C4500/C5500/C6000 Harness Pin Assignment

Harness No.	Connector (From)			Signal Information	Connector (To)			Note
	To Connector	Addr.	Pin		Addr.	Pin	To Connector	
5	Paper Transport IOB	CN158	1	Lift Motor (2nd Feed Tray): Sensor: Paper Remaining Detection	CN1	5	Lift Motor /Upper Limit Sensor (2nd Feed Tray)	CN5 : With relay connector
			2	Lift Motor (2nd Feed Tray): Sensor: Paper Remaining Detection: GND		4		
			3	Lift Motor (2nd Feed Tray): Sensor: Paper Remaining Detection		3		
			4	Lift Motor (2nd Feed Tray): Sensor: CTRL —		2		
			5	Lift Motor (2nd Feed Tray): Sensor: CTRL +	CN2	1	Tray Set Sensor (2nd Feed Tray)	
			6	Tray Set Sensor (2nd Feed Tray): GND		2		
			7	Tray Set Sensor (2nd Feed Tray): SW Terminal1		1		
			8	Paper Size Switch (2nd Feed Tray): SW Terminal4		5		
			9	Paper Size Switch (2nd Feed Tray): GND	CN3	4	Size Switch (2nd Feed Tray)	
			10	Paper Size Switch (2nd Feed Tray): SW Terminal3		3		
			11	Paper Size Switch (2nd Feed Tray): SW Terminal2		2		
			12	Paper Size Switch (2nd Feed Tray): SW Terminal1		1		
			13	N.C.	—	—		
			14	N.C.	—	—		
			15	Pick-up Solenoid (2nd Feed Tray): +24VS2	CN5	14	Harness ID.56	
			16	Pick-up Solenoid (2nd Feed Tray): PWM		13		
			17	Paper Feed Sensor (2nd Feed Tray): GND		12		
			18	Paper Feed Sensor (2nd Feed Tray): Sensor Signal		11		
			19	Paper Feed Sensor (2nd Feed Tray): +5V		10		
			20	Transport Sensor(2nd Feed Tray): GND		9		
			21	Transport Sensor(2nd Feed Tray): Sensor Signal		8		
			22	Transport Sensor(2nd Feed Tray): +5V		7		
			23	Paper End Sensor(2nd Feed Tray): GND		6		
			24	Paper End Sensor(2nd Feed Tray): Sensor Signal		5		
			25	Paper End Sensor(2nd Feed Tray): +5V		4		
			26	Tray lift Sensor (2nd Feed Tray): GND		3		
			27	Tray lift Sensor (2nd Feed Tray): Sensor Signal		2		
			28	Tray lift Sensor (2nd Feed Tray): +5V		1		
Paper Transport IOB	CN160	1	Lift Motor (1st Feed Tray): Sensor: Paper Remaining Detection	CN6	5	Lift Motor /Upper Limit Sensor (1st Feed Tray)		
		2	Lift Motor (1st Feed Tray): Sensor: Paper Remaining Detection: GND		4			
		3	Lift Motor (1st Feed Tray): Sensor: Paper Remaining Detection		3			
		4	Lift Motor (1st Feed Tray): Sensor: CTRL —		2			
		5	Lift Motor (1st Feed Tray): Sensor: CTRL +	CN7	1	Tray Set Sensor (1st Feed Tray)		
		6	Tray Set Sensor (1st Feed Tray): GND		2			
		7	Tray Set Sensor (1st Feed Tray): SW Terminal1		1			
6	BiCU	CN105	1	TM/ID Sensor: 3.3V	CN2	15	Harness ID.20	
			2	TM/ID Sensor: GND		14		
			3	TM/ID Sensor: FRONT LED Drive		13		
			4	TM/ID Sensor: FRONT Diffuse Reflection Sensor Output		12		
			5	TM/ID Sensor: FRONT Specular Reflection Sensor Output		11		
			6	TM/ID Sensor: 3.3V		10		
			7	TM/ID Sensor: GND		9		
			8	TM/ID Sensor: CENTER LED Drive		8		
			9	TM/ID Sensor: CENTER Diffuse Reflection Sensor Output		7		
			10	TM/ID Sensor: CENTER Specular Reflection Sensor Output		6		
			11	TM/ID Sensor: 3.3V		5		
			12	TM/ID Sensor: GND		4		
			13	TM/ID Sensor: REAR LED Drive		3		
			14	TM/ID Sensor: REAR Diffuse Reflection Sensor Output		2		
			15	TM/ID Sensor: REAR Specular Reflection Sensor Output		1		
	Paper Transport IOB	CN166	1	Fusing Exit Drive Solenoid: Terminal 2(PWM)	CN13	2	Harness ID.16	
			2	Fusing Exit Drive Solenoid: Terminal 1(+24VS2)		1		
			3	Pressure Roller HP Sensor: GND	CN3	3	Pressure Roller HP Sensor	
			4	Pressure Roller HP Sensor: Signal		2		
			5	Pressure Roller HP Sensor: +5V		1		
	Paper Transport IOB	CN251	1	1bin Tray: Mainframe Reverse Sensor Output Signal	CN10	6	1bin Tray	
			2	1bin Tray: Tray lift Sensor		5		
			3	1bin Tray: Set Detection Mechanism		4		
			4	1bin Tray: GND		3		
			5	1bin Tray: +5VE LPS		2		
			6	1bin Tray: +5V		1		
	Imaging IOB	CN209	1	Temperature and Humidity Sensor: Temperature FB	CN4	4	Temperature and Humidity Sensor	
			2	Temperature and Humidity Sensor: GND		3		
3			Temperature and Humidity Sensor: Humidity FB	2				
4			Temperature and Humidity Sensor: +3.3V	1				
5			Developing Air Intake Fan:Right: CTRL	CN5	3	Developing Air Intake Fan:Right		
6			Developing Air Intake Fan:Right: Lock		2			
7			Developing Air Intake Fan:Right: GND		1			
8			Paper Exit Cooling/Controller Box Cooling/CTL Cooling Fan: CTRL	CN8	3	Paper Exit Cooling Fan		
9			Paper Exit Cooling Fan: Paper Exit Cooling Fan: Lock		2			
10			Paper Exit Cooling Fan: GND		1			
BiCU	CN573	1	Main Power Switch: PW BTN N	CN11	2	Main Power Switch		
2	Main Power Switch: GND	1						
1bin LED	CN1	1	1bin LED :CATHODE	CN12	2	1bin Tray		
2	1bin LED :ANODE	1						
BiCU	CN572	1	Proximity Sensor: Power: (+3.3VE)	CN9	5	Proximity Sensor Board		
		2	Proximity Sensor: Motion Sensor Signal		4			
		3	Proximity Sensor: GND		3			
		4	N.C.		2			
		5	N.C.		1			
7	PSU (DC)	CN917	1	PSU(DC): 24V	CN1	1	Interlock Switch:Front Cover	
	2	PSU(DC): 24V	CN2	1	Interlock Switch:Right Door			
Imaging IOB	CN213	1	Interlock Switch:Front Cover: +24VS1	CN1	2	Interlock Switch:Front Cover		
		2	Interlock Switch:Right Door: +24VS2	CN2	2	Interlock Switch:Right Door		
8	—	—	—	N.C.	CN1	8	GRM (Lattice)	
	1	Finisher: RXD	7					
	—	N.C.	6					
	2	Finisher: TXD	5					
	—	N.C.	4					
	—	N.C.	3					
	3	Finisher: GND	2					
	4	Finisher: GND	1					
	—	—	—	N.C.	CN2	9	GRM (Lattice)	
	1	PSU(DC): GND	8					
	2	PSU(DC): GND	7					
	3	PSU(DC): GND	6					
	4	PSU(DC): GND	5					
	5	PSU(DC): 24V	4					
	6	PSU(DC): 24V	3					
	7	PSU(DC): 24V	2					
8	PSU(DC): 24V	1						

IM C4500/C5500/C6000 Harness Pin Assignment

Harness No.	Connector (From)			Signal Information	Connector (To)			Note
	To Connector	Addr.	Pin		Addr.	Pin	To Connector	
9	Imaging IOB	CN203	1	Toner Bottle Drive Motor(Bk): CTRL B	CN1	2	Toner Bottle Drive Motor(Bk)	CN1、CN2、CN3、 CN4、CN14、CN18 : With relay connector
			2	Toner Bottle Drive Motor(Bk): +24VS1		1		
			3	Toner Bottle Drive Motor(C): CTRL B	CN2	2	Toner Bottle Drive Motor(C)	
			4	Toner Bottle Drive Motor(C): +24VS1		1		
			5	Toner Bottle Drive Motor(M): CTRL B	CN3	2	Toner Bottle Drive Motor(M)	
			6	Toner Bottle Drive Motor(M): +24VS1		1		
			7	Toner Bottle Drive Motor(Y): CTRL B	CN4	2	Toner Bottle Drive Motor(Y)	
			8	Toner Bottle Drive Motor(Y): +24VS1		1		
			9	N.C.	-	-		
			10	ID Chip Contact Board: I2C	CN5	4	ID Chip Contact Board	
			11	ID Chip Contact Board: GND		3		
			12	ID Chip Contact Board: I2C		2		
			13	ID Chip Contact Board: Power		1		
			14	N.C.	-	-		
			15	ID Chip Contact Board: I2C	CN6	4	ID Chip Contact Board	
			16	ID Chip Contact Board: GND		3		
			17	ID Chip Contact Board: I2C		2		
			18	ID Chip Contact Board: Power		1		
			19	ID Chip Contact Board: I2C	CN7	4	ID Chip Contact Board	
			20	ID Chip Contact Board: GND		3		
			21	ID Chip Contact Board: I2C		2		
			22	ID Chip Contact Board: Power		1		
			23	ID Chip Contact Board: I2C	CN8	4	ID Chip Contact Board	
			24	ID Chip Contact Board: GND		3		
			25	ID Chip Contact Board: I2C		2		
			26	ID Chip Contact Board: Power		1		
	Imaging IOB	CN219	1	HVP/TTS: +24VS2	CN802	10	HVP: TTS	
			2	HVP/TTS: GND		9		
			3	HVP TTS: Transfer/SC Detection		8		
			4	HVP TTS: Paper Transfer (-)/Output Voltage FB		7		
			5	HVP TTS: Paper Transfer (-)/PWM		6		
			6	HVP TTS: Paper Transfer (+)/PWM		5		
			7	HVP TTS: Image Transfer/K/PWM		4		
			8	HVP TTS: Image Transfer/C/PWM		3		
			9	HVP TTS: Image Transfer/M/PWM		2		
			10	HVP TTS: Image Transfer/Y/PWM		1		
	Imaging IOB	CN205	11	N.C.	-	-		
			1	Toner End Sensor/K: GND	CN9	3	Harness ID.18	
			2	Toner End Sensor/K: Signal		2		
			3	Toner End Sensor/K: +5VTEK	CN10	1	Harness ID.18	
			4	Toner End Sensor/C: GND		3		
			5	Toner End Sensor/C: Signal	CN13	2	Harness ID.18	
			6	Toner End Sensor/C: +5VTEFC		1		
			7	Toner End Sensor/M: GND	CN17	3	Harness ID.18	
			8	Toner End Sensor/M: Signal		2		
			9	Toner End Sensor/M: +5VTEFC	CN14	1	Harness ID.17	
			10	Toner End Sensor/Y: GND		3		
			11	Toner End Sensor/Y: Signal	CN18	2	Imaging Temperature Sensor	
			12	Toner End Sensor/Y: +5VTEFC		1		
			13	ITB Contact and Release Sensor: GND	CN19	3	Bridge Unit Drawer	
14			ITB Contact and Release Sensor: Signal	2				
15			ITB Contact and Release Sensor: +5V	CN20	1	Bridge Unit Drawer		
16			Imaging Temperature Sensor: GND		2			
17	Imaging Temperature Sensor: Imaging Temperature Sensor/FB	1						
1	Bridge unit/Shift Tray/Exit Tray Left: GND	10						
2	Bridge unit/Shift Tray/Exit Tray Left: +5V	9						
3	Bridge unit/Shift Tray/Exit Tray Left: CBU SS1SET I	8						
4	Bridge unit/Shift Tray/Exit Tray Left: CBUCVSNSNS N I	7						
5	Bridge unit/Shift Tray/Exit Tray Left: CBUEPSNSNS N I	6						
6	Bridge unit/Shift Tray/Exit Tray Left: CBUCVMTBST N O	5						
7	Bridge unit/Shift Tray/Exit Tray Left: CBUCVMTCTL O	4						
8	Bridge unit/Shift Tray/Exit Tray Left: GND	3						
9	Bridge unit/Shift Tray/Exit Tray Left: +24V	CN20	2	Bridge Unit Drawer				
-	N.C.		1					
10	Bridge unit/Exit Tray Left: +24V		9					
11	Bridge unit/Exit Tray Left: CBU+5VFU I		8					
12	Bridge unit/Exit Tray Left: CBUCVMTENA N O		7					
13	Bridge unit/Exit Tray Left: CBU SS2SET I		6					
14	Bridge unit/Exit Tray Left: CBUDVSLPWM O		5					
15	Bridge unit/Exit Tray Left: CBUCVMTCLK O		4					
16	Bridge unit/Exit Tray Left: CBU+24VFU I		3					
17	Bridge unit/Exit Tray Left: CBTOCSNSNS I		2					
18	Bridge unit/Exit Tray Left: CBEOCSNSNS I	CN21	1	Harness ID33				
1	ITB New Unit Detection: GND		2					
2	ITB New Unit Detection: Signal	1						
10	Imaging IOB	CN222	1	Tonner Supply Motor(Bk): A Phase	CN1	4	Tonner Supply Motor(Bk)	
			2	Tonner Supply Motor(Bk): XA Phase		3		
			3	Tonner Supply Motor(Bk): B Phase		2		
			4	Tonner Supply Motor(Bk): XB Phase		1		
			5	Tonner Supply Motor(C): A Phase	CN2	4	Tonner Supply Motor(C)	
			6	Tonner Supply Motor(C): XA Phase		3		
			7	Tonner Supply Motor(C): B Phase		2		
			8	Tonner Supply Motor(C): XB Phase		1		
			9	Tonner Supply Motor(M): A Phase	CN3	4	Tonner Supply Motor(M)	
			10	Tonner Supply Motor(M): XA Phase		3		
			11	Tonner Supply Motor(M): B Phase		2		
			12	Tonner Supply Motor(M): XB Phase		1		
			13	Tonner Supply Motor(Y): A Phase	CN4	4	Tonner Supply Motor(Y)	
			14	Tonner Supply Motor(Y): XA Phase		3		
			15	Tonner Supply Motor(Y): B Phase		2		
			16	Tonner Supply Motor(Y): XB Phase		1		

IM C4500/C5500/C6000 Harness Pin Assignment

Harness No.	Connector (From)			Signal Information	Connector (To)			Note	
	To Connector	Addr.	Pin		Addr.	Pin	To Connector		
11	Imaging IOB	CN200	1	PCU Motor/FC: Load Monitor	CN1	10	PCU Motor/FC	CN9、CN13 : With relay connector	
			2	PCU Motor/FC: Maker		9			
			3	PCU Motor/FC: FG		8			
			4	PCU Motor/FC: Direction		7			
			5	PCU Motor/FC: PWM		6			
			6	PCU Motor/FC: Brake		5			
			7	PCU Motor/FC: GND		4			
			8	PCU Motor/FC: GND		3			
			9	PCU Motor/FC: +24VS1		2			
			10	PCU Motor/FC: +24VS1		1			
			11	Development Motor/FC: Load Monitor	10	CN2	Development Motor/FC		
			12	Development Motor/FC: Maker	9				
			13	Development Motor/FC: FG	8				
			14	Development Motor/FC: Direction	7				
			15	Development Motor/FC: PWM	6				
			16	Development Motor/FC: Brake	5				
			17	Development Motor/FC: GND	4				
			18	Development Motor/FC: GND	3				
			19	Development Motor/FC: +24VS1	2				
			20	Development Motor/FC: +24VS1	1				
			21	Development Motor/K: Peak Hold	10	CN4	Development Motor/K		
			22	Development Motor/K: Maker	9				
			23	Development Motor/K: FG	8				
			24	Development Motor/K: Direction	7				
			25	Development Motor/K: PWM	6				
			26	Development Motor/K: Brake	5				
			27	Development Motor/K: GND	4				
			28	Development Motor/K: GND	3				
			29	Development Motor/K: +24VS1	2				
			30	Development Motor/K: +24VS1	1				
			31	PCU: Black / Image Transfer Motor: Load Monitor	10	CN7	PCU: Black / Image Transfer Motor		
			32	PCU: Black / Image Transfer Motor: Maker	9				
			33	PCU: Black / Image Transfer Motor: FG	8				
			34	PCU: Black / Image Transfer Motor: Direction	7				
			35	PCU: Black / Image Transfer Motor: PWM	6				
			36	PCU: Black / Image Transfer Motor: Brake	5				
			37	PCU: Black / Image Transfer Motor: GND	4				
			38	PCU: Black / Image Transfer Motor: GND	3				
			39	PCU: Black / Image Transfer Motor: +24VS1	2				
			40	PCU: Black / Image Transfer Motor: +24VS1	1				
	Imaging IOB	CN201	1	N.C.	-	-	-		
			2	N.C.	-	-	-		
			3	Waste Toner Capacity Sensor: GND	CN5	3	Harness ID.15		
			4	Waste Toner Capacity Sensor: Signal		2			
			5	Waste Toner Capacity Sensor: +5V	CN3	1	Waste Toner Bottle Set Sensor		
			6	Waste Toner Bottle Set Sensor: GND		2			
			7	Waste Toner Bottle Set Sensor: Signal	CN11	1	Paper Transfer Contact and Release Sensor		
			8	Paper Transfer Contact and Release Sensor: GND		3			
			9	Paper Transfer Contact and Release Sensor: Signal	CN12	2	Paper Transfer Contact and Release Motor		
			10	Paper Transfer Contact and Release Sensor: +5V		1			
			11	Paper Transfer Contact and Release Motor: CTRL 2	CN12	2			
			12	Paper Transfer Contact and Release Motor: CTRL 1		1			
			13	N.C.	-	-	-		
	Imaging IOB	CN204	1	N.C.	CN13	16	Harness ID.13		
			2	N.C.		15			
			3	PCU: GND		14			
			4	PCU: TD Sensor/K: Outout		13			
			5	PCU: TD Sensor: Power		12			
			6	PCU: TD Sensor/K: SEL		11			
			7	PCU: TD Sensor: SDA		10			
			8	PCU: TD Sensor: SCL		9			
			9	N.C.		8			
			10	N.C.		7			
			11	PCU: GND		6			
			12	PCU: TD Sensor/C: Outout		5			
			13	PCU: TD Sensor: Power		4			
			14	PCU: TD Sensor/C: SEL		3			
			15	PCU: TD Sensor: SDA		2			
			16	PCU: TD Sensor: SCL		1			
			17	N.C.		32			
			18	N.C.		31			
			19	PCU: GND		30			
			20	PCU: TD Sensor/M: Outout		29			
			21	PCU: TD Sensor: Power		28			
			22	PCU: TD Sensor/M: SEL		27			
			23	PCU: TD Sensor: SDA		26			
			24	PCU: TD Sensor: SCL		25			
			25	N.C.		24			
			26	N.C.		23			
			27	PCU: GND		22			
			28	PCU: TD Sensor/Y: Outout		21			
			29	PCU: TD Sensor: Power		20			
			30	PCU: TD Sensor/Y: SEL		19			
			31	PCU: TD Sensor: SDA		18			
			32	PCU: TD Sensor: SCL		17			
	Imaging IOB	CN211	1	HVP/ CB : HVP/Development/ DC/Y/ PWM	CN800	20	HVP: CB		
			2	HVP/ CB : HVP/Development/ DC/M/ PWM		19			
			3	HVP/ CB : HVP/Development/ DC/C/ PWM		18			
			4	HVP/ CB : HVP/Development/ DC/K/ PWM		17			
			5	HVP/ CB : HVP/Charge/ DC/K/ PWM		16			
			6	HVP/ CB : HVP/Charge/ DC/C/ PWM		15			
			7	HVP/ CB : HVP/Charge/ DC/M/ PWM		14			
			8	HVP/ CB : HVP/Charge/ DC/Y/ PWM		13			
			9	HVP/ CB : HVP/Charge/ AC/K/ PWM		12			
			10	HVP/ CB : HVP/Charge/ AC/C/ PWM		11			
			11	HVP/ CB : HVP/Charge/ AC/M/ PWM		10			
			12	HVP/ CB : HVP/Charge/ AC/Y/ PWM		9			
			13	HVP/ CB : HVP/Charge/ AC/ CLOCK		8			
			14	HVP/ CB : HVP/Charge Development/ SC Detection		7			
			15	HVP/ CB : HVP/Charge/ AC/K/ Output Voltage FB		6			
			16	HVP/ CB : HVP/Charge/ AC/C/ Output Voltage FB		5			
			17	HVP/ CB : HVP/Charge/ AC/M/ Output Voltage FB		4			
			18	HVP/ CB : HVP/Charge/ AC/Y/ Output Voltage FB		3			
			19	HVP/ CB : GND		2			
			20	HVP/ CB : +24VS2		1			
	Imaging IOB	CN216	1	Toner Supply Cooling/ Drive Cooling/ Main Exhaust Fan: CTL	CN8	3	Harness ID.12		
			2	Main Exhaust Fan: Lock		1			
			3	Main Exhaust Fan: GND	CN9	Controller Box Cooling Fan			
			4	Paper Exit Cooling/ Controller Box Cooling/ CTL Cooling Fan: CTRL			3		
			5	Controller Box Cooling Fan: Lock			2		
			6	Controller Box Cooling Fan: GND	CN14	Drive Cooling Fan			
			7	Toner Supply Cooling/ Drive Cooling/ Main Exhaust Fan: CTL			3		
			8	Drive Cooling Fan: Lock			2		
			9	Drive Cooling Fan: GND	CN10	Toner Supply Cooling Fan			
			10	Toner Supply Cooling/ Drive Cooling/ Main Exhaust Fan: CTL			3		
			11	Toner Supply Cooling Fan: Lock			2		
			12	Toner Supply Cooling Fan: GND			1		
			13	N.C.			-		-
			14	N.C.			-		-
			15	N.C.	-	-			

IM C4500/C5500/C6000 Harness Pin Assignment

Harness No.	Connector (From)			Signal Information	Connector (To)			Note
	To Connector	Addr.	Pin		Addr.	Pin	To Connector	
12	Harness ID.11	CN1	1 2 3	Main Exhaust Fan: CTL Main Exhaust Fan: Lock Main Exhaust Fan: GND	CN2	3 2 1	Main Exhaust Fan	CN1、CN2 : With relay connector
13	Harness ID.11	CN1	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32	PCU: Lubricant Near-End Sensor/K PCU: +24VS2 PCU: HST_SCL PCU: HST_SDA PCU: HST_Sensor/K/PWM PCU: HST_Sensor/+5V PCU: HST_Sensor/K/FB PCU: GND PCU: Lubricant Near-End Sensor/C PCU: +24VS2 PCU: HST_SCL PCU: HST_SDA PCU: HST_Sensor/C/PWM PCU: HST_Sensor/+5V PCU: HST_Sensor/C/FB PCU: GND PCU: Lubricant Near-End Sensor/M PCU: +24VS2 PCU: HST_SCL PCU: HST_SDA PCU: HST_Sensor/C/PWM PCU: HST_Sensor/+5V PCU: HST_Sensor/C/FB PCU: GND PCU: Lubricant Near-End Sensor/Y PCU: +24VS2 PCU: HST_SCL PCU: HST_SDA PCU: HST_Sensor/Y/PWM PCU: HST_Sensor/+5V PCU: HST_Sensor/Y/FB PCU: GND	CN2	16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17	Harness ID.14	CN2 : With relay connector
14	Harness ID.13	CN1	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32	N.C. N.C. PCU: GND PCU: TD_Sensor/K: Output PCU: TD_Sensor: Power PCU: TD_Sensor/K: SEL PCU: TD_Sensor: SDA PCU: TD_Sensor: SCL N.C. N.C. PCU: GND PCU: TD_Sensor/C: Output PCU: TD_Sensor: Power PCU: TD_Sensor/C: SEL PCU: TD_Sensor: SDA PCU: TD_Sensor: SCL N.C. N.C. PCU: GND PCU: TD_Sensor/M: Output PCU: TD_Sensor: Power PCU: TD_Sensor/M: SEL PCU: TD_Sensor: SDA PCU: TD_Sensor: SCL N.C. N.C. PCU: GND PCU: TD_Sensor/Y: Output PCU: TD_Sensor: Power PCU: TD_Sensor/Y: SEL PCU: TD_Sensor: SDA PCU: TD_Sensor: SCL	CN2 CN3 CN4 CN5	6 5 4 3 2 1 6 5 4 3 2 1 6 5 4 3 2 1 6 5 4 3 2 1 6 5 4 3 2 1	Harness ID.66 Harness ID.66 Harness ID.66 Harness ID.66	
15	Harness ID.11	CN1	1 2 3	Waste Toner Capacity Sensor: GND Waste Toner Capacity Sensor: Waste Toner Capacity Sensor Waste Toner Capacity Sensor: +5V	CN2	3 2 1	Waste Toner Capacity Sensor	CN1 : With relay connector
16	Harness ID.6	CN1	1 2	Fusing Exit Drive Solenoid: Terminal 2(PWM) Fusing Exit Drive Solenoid: Terminal 1(+24VS2)	CN2	3 2 1	Fusing Exit Drive Solenoid	
17	Harness ID.9	CN1	1 2 3	ITB Contact and Release Sensor: GND ITB Contact and Release Sensor: Signal ITB Contact and Release Sensor: +5V	CN2	3 2 1	ITB Contact and Release Sensor	
18	Harness ID.9	CN1	1 2 3	Toner End Sensor: GND Toner End Sensor: Signal Toner End Sensor: +5VTEK	CN2	3 2 1	Toner End Sensor	CN2 : With relay connector
20	Harness ID.6	CN1	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	TM/ID Sensor: 3.3V TM/ID Sensor: GND TM/ID Sensor: FRONT LED Drive TM/ID Sensor: FRONT Diffuse Reflection Sensor Output TM/ID Sensor: FRONT Specular Reflection Sensor Output TM/ID Sensor: 3.3V TM/ID Sensor: GND TM/ID Sensor: CENTER LED Drive TM/ID Sensor: CENTER Diffuse Reflection Sensor Output TM/ID Sensor: CENTER Specular Reflection Sensor Output TM/ID Sensor: 3.3V TM/ID Sensor: GND TM/ID Sensor: REAR LED Drive TM/ID Sensor: REAR Diffuse Reflection Sensor Output TM/ID Sensor: REAR Specular Reflection Sensor Output	CN2 CN3 CN4	5 4 3 2 1 5 4 3 2 1 5 4 3 2 1	TM/ID Sensor: FRONT TM/ID Sensor: CENTER TM/ID Sensor: REAR	
21	Harness ID.22	CN1	1 2 3 4 5 6 7 8 9 10 11 12	GND Sensor Signal Sensor Power Potentionmeter Clock Potentionmeter Value Setting Signal Potentionmeter CS Signal GND Sensor Signal Sensor Power Potentionmeter Clock Potentionmeter Value Setting Signal Potentionmeter CS Signal	CN2 CN3	6 5 4 3 2 1 6 5 4 3 2 1	Proximity Sensor Proximity Sensor	CN1 : With relay connector
22	Proximity Sensor Board	CN1	1 2 3 4 5 6	GND Sensor Signal Sensor Power Potentionmeter Clock Potentionmeter Value Setting Signal Potentionmeter CS Signal	CN3	12 11 10 9 8 7 6	Harness ID.21	
	Proximity Sensor Board	CN2	1 2 3 4 5 6	GND Sensor Signal Sensor Power Potentionmeter Clock Potentionmeter Value Setting Signal Potentionmeter CS Signal		6 5 4 3 2 1		

IM C4500/C5500/C6000 Harness Pin Assignment

Harness No.	Connector (From)			Signal Information	Connector (To)			Note
	To Connector	Addr.	Pin		Addr.	Pin	To Connector	
23	-	-	-	N.C.		11	Fusing Drawer	
	Harness ID.1	CN1	A1	Set Detection (P): GND	CN6	10		
			A2	Set Detection (C): GND		9		
			A3	Set Detection: NA		8		
			A4	Set Detection: EU		7		
			A5	Set Detection : Special Paper		6		
			-	N.C.		5		
			A6	New unit Detection Fuse		4		
			A7	New unit Detection Fuse: GND		3		
			-	N.C.		2		
			-	N.C.		1		
			-	N.C.	4			
			A8	Thermopile (edge)+5V	CN3	3	Thermopile (Edge)	
			A9	Thermopile (edge)GND		2		
			A10	Thermopile (edge):FB		1		
			-	N.C.	4	Thermopile (Center)		
			A11	Thermopile (center)+5V	CN4		3	
			A12	Thermopile (center)GND			1	
			A13	Thermopile (center):FB		1		
			A14	Fusing Exit SensorGND	CN2	3	Fusing Exit Sensor	
			A15	Fusing Exit Sensor-Sensor Signal		2		
			A16	Fusing Exit Sensor+5V		1		
			A17	N.C.	-	-	-	
			B1	N.C.	-	-	-	
			B2	N.C.	-	-	-	
			B3	Shield Positioning Sensor: GND	CN8	3	Shield Positioning Sensor	
			B4	Shield Positioning Sensor: Sensor Signal		2		
			B5	Shield Positioning Sensor: +5V		1		
			-	N.C.	13	Fusing Drawer		
			B6	Non-Contact Thermistor(Edge):Detection	12			
			B7	Non-Contact Thermistor(Edge):Compensation	11			
			B8	Non-Contact Thermistor(Edge)GND	10			
			B9	Non-Contact Thermistor(Center): Detection	9			
			B10	Non-Contact Thermistor(Center): Compensation	8			
			B11	Non-Contact Thermistor(Center)GND	7			
			B12	Pressure Thermistor: Full-Bleed Edge:FB	6			
	B13	Pressure Thermistor: Full-Bleed EdgeGND	5					
	B14	Pressure Thermistor: End:FB	4					
	B15	Pressure Thermistor: EndGND	3					
	B16	Pressure Thermistor: Center: FB	2					
	B17	Pressure Thermistor: CenterGND	1					
	Harness ID.1	CN10	1	Shield Drive Motor: XB Phase(B3)	CN11	4	Shield Drive Motor	
			2	Shield Drive Motor: B Phase(B1)		3		
			3	Shield Drive Motor: A Phase(A1)		2		
			4	Shield Drive Motor: XA Phase(A3)		1		
	Screw	T1	GND		1G	Fusing Drawer Harness ID.80 (100V) or Harness ID.81 (200V)		
	PSU (AC)	CN985	1	HT1/N	6			
			2	HT2/N	5			
			3	N.C.	2			
			4	HT1/L(Reserved)	3			
		5	HT2/L	4				
24	INLET	INLET	L	AC IN L	T900		PSU(AC)	
			N	AC IN N	T901		PSU(AC)	
			E	EARTH	T1		Screw	
25	PSU (AC)	CN988	1	PSU(AC): AC L 5V 24V	CN901	1	PSU(DC)	
			2	N.C.		2		
			3	PSU(AC): AC N 5V 24V	3			
26	PSU (AC)	CN989	1	Paper Feed Heater N	CN2	2	Paper Feed Heater	
			2	Bank Heater N	CN3	-	Bank Heater	
			3	N.C.	-	-		
	Harness ID.45 (OP)	CN4	4	Paper Feed Heater L	CN2	1	Paper Feed Heater	
			5	Bank Heater L	CN3	1	Bank Heater	
			1	PCU Anti-condensation Heater N	CN1	2	PCU Anti-condensation Heater	
			2	PCU Anti-condensation Heater L	CN1	1	PCU Anti-condensation Heater	
27	Harness ID.46 (OP)	CN1	1	Paper Feed Heater L	CN2	1	Paper Feed Heater	
			2	Paper Feed Heater N	2			
28	PSU (AC)	CN990	1	Anti-condensation Heater SW L	CN1	1	Anti-condensation Heater SW	
			2	Anti-condensation Heater SW N	CN2	1		
29	HVP:TTS	T1	-	Image Transfer T1:Y	T6	-	Image Transfer	
		T2	-	Image Transfer T1:M	T7	-		
		T3	-	Image Transfer T1:C	T8	-		
		T4	-	Image Transfer T1:K	T9	-		
		T5	-	Paper Transfer T2	T10	-		
31	Imaging IOB	CN221	1	FFC Connection Detection	CN151	40	Paper Transport IOB	
			2	IOB Write		39		
			3	IOB Read		38		
			4	Paper Transport IOB Chip Select		37		
			5	GND		36		
			6	GND		35		
			7	Data Bus		34		
			8	Data Bus		33		
			9	Data Bus		32		
			10	Data Bus		31		
			11	Data Bus		30		
			12	Data Bus		29		
			13	Data Bus		28		
			14	Data Bus		27		
			15	GND		26		
			16	Addr. Bus		25		
			17	Addr. Bus		24		
			18	Addr. Bus		23		
			19	Addr. Bus		22		
			20	Addr. Bus		21		
			21	Addr. Bus		20		
			22	Addr. Bus		19		
			23	Addr. Bus		18		
			24	Addr. Bus		17		
			25	Addr. Bus		16		
			26	Addr. Bus		15		
			27	Addr. Bus		14		
			28	Addr. Bus		13		
			29	Addr. Bus		12		
			30	Addr. Bus		11		
			31	Addr. Bus		10		
			32	Addr. Bus		9		
			33	Addr. Bus		8		
			34	Addr. Bus		7		
			35	Addr. Bus		6		
			36	IOB Interruption		5		
			37	GND		4		
			38	IOB Start Check		3		
			39	Power On Reset		2		
		40	FFC Connection Detection	1				

IM C4500/C5500/C6000 Harness Pin Assignment

Harness No.	Connector (From)			Signal Information	Connector (To)			Note	
	To Connector	Addr.	Pin		Addr.	Pin	To Connector		
32	BiCU	CN103	1	FFC Connection Detection	CN214	50	Imaging IOB		
			2	ID-TAG SDA Signal		49			
			3	ID-TAG SCL Signal		48			
			4	HST Sensor SDA Signal		47			
			5	HST Sensor SCL Signal		46			
			6	GND		45			
			7	Power On Reset Signal		44			
			8	IOB Start Detection Signal		43			
			9	GND		42			
			10	IOB2 Interruption		41			
			11	IOB1 Interruption		40			
			12	IOB Addr.20		39			
			13	IOB Addr.19		38			
			14	IOB Addr.18		37			
			15	IOB Addr.17		36			
			16	IOB Addr.16		35			
			17	IOB Addr.15		34			
			18	IOB Addr.14		33			
			19	IOB Addr.13		32			
			20	IOB Addr.12		31			
			21	IOB Addr.11		30			
			22	IOB Addr.10		29			
			23	IOB Addr.9		28			
			24	IOB Addr.8		27			
			25	GND		26			
			26	IOB Addr.7		25			
			27	IOB Addr.6		24			
			28	IOB Addr.5		23			
			29	IOB Addr.4		22			
			30	IOB Addr.3		21			
			31	IOB Addr.2		20			
			32	IOB Addr.1		19			
			33	IOB Addr.0		18			
			34	GND		17			
			35	IOB Data 31		16			
			36	IOB Data 30		15			
			37	IOB Data 29		14			
			38	IOB Data 28		13			
			39	IOB Data 27		12			
			40	IOB Data 26		11			
			41	IOB Data 25		10			
			42	IOB Data 24		9			
			43	GND		8			
			44	GND		7			
			45	IOB2 Chip Select		6			
			46	IOB1 Chip Select		5			
			47	IOB : Read Write Signal (L:Write)		4			
			48	IOB Read Signal		3			
			49	IOB Write Strobe Signal		2			
			50	FFC Connection Detection		1			
33	Harness ID.9	CN1	1	ITB New Unit Detection : GND	T1		Screw	CN1 : With relay connector	
			2	ITB New Unit Detection : Signal	T2		Screw		
41	PSU (AC)	CN998	1	PSU(AC):AC L HUHT	CN920	1	DHB	Heater Option Harness 100V	
			2	N.C.		2			
			3	PSU(AC):AC N HUHT		3			
42	PSU (AC)	CN998	1	PSU(AC):AC L HUHT	CN920	1	DHB	Heater Option Harness 200V	
			2	N.C.		2			
			3	PSU(AC):AC N HUHT		3			
44	PSU (AC)	CN999	1	+24V Interlock Power	CN930	1	DHB	Heater Option Harness	
			2	Anti-condensation Heater Relay Trigger Signal		2			
			3	GND		3			
46	DHB	CN921	1	Paper Feed Heater N	CN1	2	Harness ID.27	Heater Option Harness	
			2	Bank Heater N	CN2	2	Bank Heater		
			3	N.C.	-	-	-		
			4	Paper Feed Heater L	CN1	1	Harness ID.27		
			5	Bank Heater L	CN2	1	Bank Heater		
47	DHB	CN921	1	Scanner Heater N	CN1	2	Scanner Heater	Heater Option Harness	
			2	PCU Anti-condensation Heater N	CN2	2	PCU Anti-condensation Heater		
			3	Scanner Heater L	CN1	1	Scanner Heater		
			4	PCU Anti-condensation Heater L	CN2	1	PCU Anti-condensation Heater		
48	Harness ID.2	CN1	1	Key Counter: GND	CN2	1	Key Counter	Option Harness	
			2	Key Counter: Set Detection		2			
			3	Key Counter: For Optional Counter: +24V		3			
			4	Key Counter: CTRL		4			
55	Harness ID.1	CN1	1	Registration Sensor: GND	CN2	3	Registration Sensor	CN1 : With relay connector	
			2	Registration Sensor: Sensor Signal		2			
			3	Registration Sensor: +5V		1			
56	Harness ID.1 & Harness ID.5	CN1	1	Pick-up Solenoid: Terminal1 (+24VS2)	CN6	2	N.C.		
			2	Pick-up Solenoid: Terminal2 (PWM)		1			
			3	Paper Feed: GND		3			
			4	Paper Feed: Sensor Signal	CN2	2	Paper Feed Sensor		
			5	Paper Feed: +5V		1			
			6	Transport Sensor: GND	CN3	3	Transport Sensor		
			7	Transport Sensor: Sensor Signal		2			
			8	Transport Sensor: +5V	CN4	1	Paper End Sensor		
			9	Paper End Sensor: GND		3			
			10	Paper End Sensor: Sensor Signal		2			
			11	Paper End Sensor: +5V	CN5	1	Upper Limit Sensor		
			12	Upper Limit Sensor: GND		3			
			13	Upper Limit Sensor: Sensor Signal		2			
			14	Upper Limit Sensor: +5V		1			
57	Harness ID.1	CN1	1	PTR Open/Close LED: CTRL	CN3	2	PTR Open/Close LED	CN1 : With relay connector	
			2	PTR Open/Close LED: +5V		1			
			3	Fusing Entrance Sensor: GND	CN2	3	Fusing Entrance Sensor		
			4	Fusing Entrance Sensor: Sensor Signal		2			
			5	Fusing Entrance Sensor: +5V		1			
58	Harness ID.1	CN1	1	Bypass/Duplex Motor: ENC: A Phase	CN3	8	Bypass/Duplex Motor	CN4 : With relay connector	
			2	Bypass/Duplex Motor: ENC: B Phase		7			
			3	Bypass/Duplex Motor: +5V		6			
			4	Bypass/Duplex Motor: CW/CCW (Low)		5			
			5	Bypass/Duplex Motor: PWM		4			
			6	Bypass/Duplex Motor: Brake (Low)		3			
			7	Bypass/Duplex Motor: GND	CN4	2	Harness ID.59		
			8	Bypass/Duplex Motor: +24VS2		1			
			9	Duplex Entrance Sensor: GND		5			
			10	Duplex Entrance Sensor: Sensor Signal		4			
			11	Duplex Entrance Sensor: +5V	CN6	3	Duplex Exit Sensor		
			12	Duplex Exit Sensor: GND		3			
			13	Duplex Exit Sensor: Sensor Signal		2			
			14	Duplex Exit Sensor: +5V		1			
			15	Duplex Guide Plate Open/Close Sensor: SW Terminal2 (GND)	CN5	2	Duplex Guide Plate Open/Close Sensor		
			16	Duplex Guide Plate Open/Close Sensor: SW Terminal1		1			
			17	N.C.	-	-	-		
			18	N.C.	-	-	-		
59	Harness ID.58	CN1	1	Duplex Entrance Sensor: GND	CN2	3	Duplex Entrance Sensor		
			2	Duplex Entrance Sensor: Sensor Signal		2			
			3	Duplex Entrance Sensor: +5V		1			
			4	N.C.	-	-	-		
			5	N.C.	-	-	-		

IM C4500/C5500/C6000 Harness Pin Assignment

Harness No.	Connector (From)			Signal Information	Connector (To)			Note		
	To Connector	Addr.	Pin		Addr.	Pin	To Connector			
60	Harness ID.1	CN1	1	Bypass Pick-up Solenoid: Terminal 2 (PWM)	CN2	5	Harness ID.61			
			2	Bypass Pick-up Solenoid: Terminal 1 (+24VS2)		4				
			3	Bypass Paper End Sensor: GND		3				
			4	Bypass Paper End Sensor: Sensor Signal		2				
			5	Bypass Paper End Sensor: +5VE		1				
			6	N.C.	-	-	Harness ID.62			
			7	Bypass Length Sensor: Set Detection	CN3	9				
			8	Bypass Length Sensor: GND		8				
			9	Bypass Length Sensor: Sensor Signal		7				
			10	Bypass Length Sensor: 3.3V		6				
			11	N.C.	-	-			CN3	5
			12	Bypass Width Sensor: GND	4					
			13	Bypass Width Sensor: Sensor Signal	3					
			14	Bypass Width Sensor: +5V	2					
			-	N.C.	1					
			-	N.C.	-	-				
61	Harness ID.60	CN1	1	Bypass Pick-up Solenoid: Terminal 2 (PWM)	CN2	3	Bypass Pick-up Solenoid	CN1 : With relay connector		
			-	N.C.		2				
			2	Bypass Pick-up Solenoid: Terminal 1 (+24VS2)	CN3	1	Bypass Paper End Sensor			
			3	Bypass Paper End Sensor: GND		3				
			4	Bypass Paper End Sensor: Sensor Signal		2				
5	Bypass Paper End Sensor: +5V	1								
62	Harness ID.60	CN1	1	Bypass Length Sensor: Set Detection	CN2	1	Bypass Length Sensor	CN1 : With relay connector		
			2	Bypass Length Sensor: GND		2				
			3	Bypass Length Sensor: Sensor Signal		3				
			4	Bypass Length Sensor: 3.3V		4				
			5	Bypass Width Sensor: GND	CN3	3	Bypass Width Sensor			
			6	Bypass Width Sensor: Sensor Signal		2				
			7	Bypass Width Sensor: +5V		1				
			8	N.C.		-			-	
			9	N.C.	-	-				
63	Harness ID.1	CN1	1	Paper Exit Solenoid: Terminal 1 (+24VS2)	CN2	2	Paper Exit Solenoid	CN2, CN3 : With relay connector		
			2	Paper Exit Solenoid: Terminal 2 (PWM)		1				
			3	Reverse Sensor: GND	CN4	3	Reverse Sensor			
			4	Reverse Sensor: Sensor Signal		2				
			5	Reverse Sensor: +5V		1				
			6	Paper Exit Sensor: GND	CN5	3	Paper Exit Sensor			
			7	Paper Exit Sensor: Sensor Signal		2				
			8	Paper Exit Sensor: +5V		1				
			9	Paper Exit Full Sensor: GND	CN6	3	Paper Exit Full Sensor			
			10	Paper Exit Full Sensor: Sensor Signal		2				
			11	Paper Exit Full Sensor: +5V		1				
			12	Reverse Motor: XB Phase	CN3	4	Reverse Motor			
			13	Reverse Motor: B Phase		3				
			14	Reverse Motor: XA Phase		2				
			15	Reverse Motor: A Phase		1				
66	Harness ID.14	CN1	1	PCU: TD Sensor: SCL	CN2	1	TD Sensor			
			2	PCU: TD Sensor: SDA		2				
			3	PCU: TD Sensor: SEL		3				
			4	PCU: TD Sensor: Power		4				
			5	PCU: TD Sensor: Output		5				
			6	PCU: GND		6				

IM C4500/C5500/C6000 Harness Pin Assignment

Harness No.	Connector (From)			Signal Information	Connector (To)			Note
	To Connector	Addr.	Pin		Addr.	Pin	To Connector	
68	BiCU	CN579	8	DATA3 K N	CN1	1	Harness ID.72	CN1、CN2、 CN3、CN4：With relay connector
			7	DATA3 K		2		
			6	DATA4 K N		3		
			5	DATA4 K		4		
			4	DATA1 K N		5		
			3	DATA1 K		6		
			2	DATA2 K N		7		
	BiCU	CN580	1	DATA2 K		8		
			9	DATA2 C N		9		
			8	DATA2 C		10		
			7	DATA1 C N		11		
			6	DATA1 C		12		
			5	DATA4 C N		13		
			4	DATA4 C		14		
	BiCU	CN583	3	DATA3 C N		15		
			2	DATA3 C		16		
			1	N.C.		-		
			17	N.C.		-		
			16	GND		17		
			15	GND		18		
			14	N.C.		-		
			13	+5VS		19		
			12	GND		20		
			11	DROPEN		21		
			10	ERR KC N		22		
			9	APC KC N		23		
			8	N.C.		-		
			7	SYCLK KC		24		
			6	SYCS KC N		25		
			5	SYDI KC		26		
	4	SYDO KC	27					
	3	+5VS	28					
	2	+5VS	29					
	-	N.C.	30					
	1	GND	31					
	-	N.C.	32					
	BiCU	CN582	11	DATA2 Y	CN2	1	Harness ID.72	
			10	DATA2 Y N		2		
			9	DATA1 Y		3		
			8	DATA1 Y N		4		
			7	DATA4 Y		5		
			6	DATA4 Y N		6		
			5	DATA3 Y		7		
			4	DATA3 Y N		8		
			3	N.C.		-		
			2	N.C.		-		
	1	N.C.	-					
	BiCU	CN581	10	DATA3 M		9		
			9	DATA3 M N		10		
			8	DATA4 M		11		
			7	DATA4 M N		12		
			6	DATA1 M		13		
			5	DATA1 M N		14		
			4	DATA2 M		15		
			3	DATA2 M N		16		
			2	N.C.		17		
			1	N.C.		-		
	BiCU	CN584	16	N.C.		-		
			15	N.C.		-		
			14	GND		18		
			13	GND		19		
			12	+5VS		20		
			11	N.C.		21		
			10	GND		22		
			9	SYCLK YM		23		
			8	SYCS YM N		24		
			7	SYDI YM		25		
			6	SYDO YM		26		
			5	ERR YM N		27		
			4	APC YM N		28		
			3	+5VS		29		
			2	+5VS		30		
			-	N.C.		31		
			-	N.C.		32		
			-	N.C.		33		
			1	GND		34		
			BiCU	CN586	-	N.C.	CN3	
	-	N.C.			2			
	-	N.C.			3			
	8	K: Sync GND			4			
	7	K: Sync VCC			5			
	6	K: Sync Signal			6			
	5	Polygon Mirror Motor CLOCK			7			
	4	Polygon Mirror Motor READY			8			
	3	Polygon Mirror Motor ON			9			
	2	Polygon Mirror Motor GND			10			
	1	Polygon Mirror Motor DV24V	11					
	Imaging IOB	CN220	15	Laser Optics Positioning Motor(C):A Phase	CN4	1	Harness ID.71	
			14	Laser Optics Positioning Motor(C):B Phase		2		
			13	+24VSK		3		
			12	Laser Optics Positioning Motor(C):/B Phase		4		
			11	Laser Optics Positioning Motor(C):/A Phase		5		
			10	Laser Optics Positioning Motor(M):A Phase		6		
			9	Laser Optics Positioning Motor(M):B Phase		7		
			8	+24VSK		8		
			7	Laser Optics Positioning Motor(M):/B Phase		9		
			6	Laser Optics Positioning Motor(M):/A Phase		10		
			5	Laser Optics Positioning Motor(Y):A Phase		11		
			4	Laser Optics Positioning Motor(Y):B Phase		12		
			3	+24VSK		13		
			2	Laser Optics Positioning Motor(Y):/B Phase		14		
			1	Laser Optics Positioning Motor(Y):/A Phase		15		

IM C4500/C5500/C6000 Harness Pin Assignment

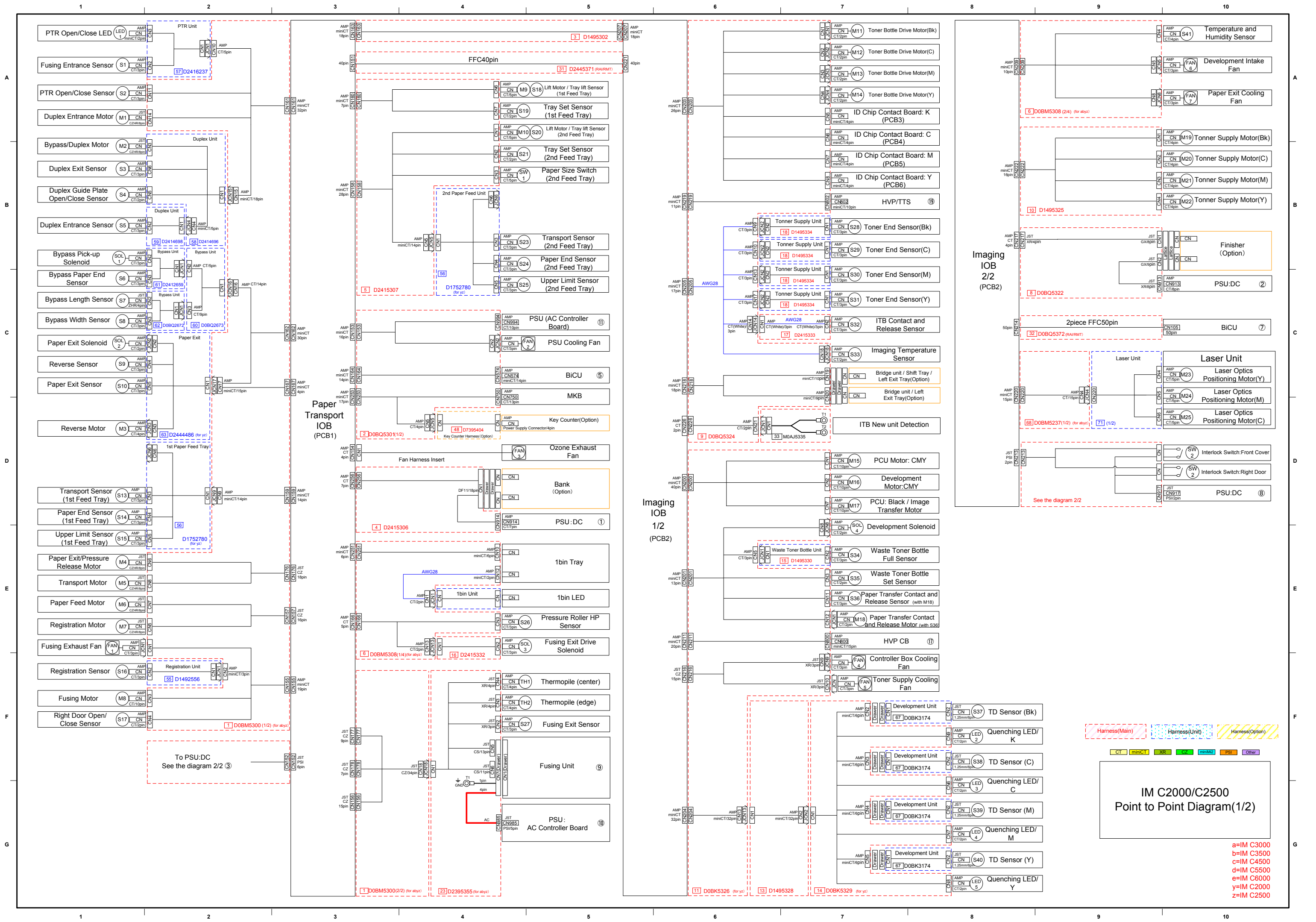
Harness No.	Connector (From)			Signal Information	Connector (To)			Note			
	To Connector	Addr.	Pin		Addr.	Pin	To Connector				
71	Harness ID.68	CN13	11	N.C.	-	-	-				
			10	N.C.	-	-	-				
			9	N.C.	-	-	-				
			8	K: Sync GND	CN2	-	1		Sync Detection K		
			7	K: Sync VCC		2					
			6	K: Sync Signal		3					
			5	Polygon Mirror Motor CLOCK	CN3	-	1		Polygon Mirror Motor		
			4	Polygon Mirror Motor READY		2					
			3	Polygon Mirror Motor ON		3					
			2	Polygon Mirror Motor GND		4					
			1	Polygon Mirror Motor DV24V		5					
	Harness ID.68	CN220	15	Laser Optics Positioning Motor(C): A Phase	CN6	1	Laser Optics Positioning Motor(C)				
			14	Laser Optics Positioning Motor(C): B Phase		2					
			13	+24VSK		3					
			12	Laser Optics Positioning Motor(C): /B Phase		4					
			11	Laser Optics Positioning Motor(C): /A Phase	CN5	5	Laser Optics Positioning Motor(M)				
			10	Laser Optics Positioning Motor(M): A Phase		1					
			9	Laser Optics Positioning Motor(M): B Phase		2					
			8	+24VSK		3					
			7	Laser Optics Positioning Motor(M): /B Phase		4					
			6	Laser Optics Positioning Motor(M): /A Phase	CN4	5	Laser Optics Positioning Motor(Y)				
			5	Laser Optics Positioning Motor(Y): A Phase		1					
			4	Laser Optics Positioning Motor(Y): B Phase		2					
			3	+24VSK		3					
			2	Laser Optics Positioning Motor(Y): /B Phase		4					
			1	Laser Optics Positioning Motor(Y): /A Phase	5						
			72	Harness ID.68	CN11	16	DATA3 K N		CN1	1	LDB:KC
						15	DATA3 K			2	
						14	DATA4 K N			3	
						13	DATA4 K			4	
12	DATA1 K N	5									
11	DATA1 K	6									
10	DATA2 K N	7									
9	DATA2 K	8									
8	DATA2 C N	9									
7	DATA2 C	10									
6	DATA1 C N	11									
5	DATA1 C	12									
4	DATA4 C N	13									
3	DATA4 C	14									
2	DATA3 C N	15									
1	DATA3 C	16									
32	GND	17									
31	GND	18									
-	N.C.	19									
30	+5VS	20									
29	GND	21									
28	DROPEN	22									
27	ERR KC N	23									
26	APC KC N	24									
-	N.C.	25									
25	SYCLK KC	26									
24	SYCS KC N	27									
23	SYDI KC	28									
22	SYDO KC	29									
21	+5VS	30									
20	+5VS	31									
19	N.C.	-									
18	GND	32									
17	N.C.	-									
Harness ID.68	CN12	17		DATA2 Y	CN2	1	LDB:YM				
		16		DATA2 Y N		2					
		15		DATA1 Y		3					
		14		DATA1 Y N		4					
		13		DATA4 Y		5					
		12		DATA4 Y N		6					
		11		DATA3 Y		7					
		10		DATA3 Y N		8					
		9	DATA3 M	9							
		8	DATA3 M N	10							
		7	DATA4 M	11							
		6	DATA4 M N	12							
		5	DATA1 M	13							
		4	DATA1 M N	14							
		3	DATA2 M	15							
		2	DATA2 M N	16							
		1	N.C.	17							
		34	GND	18							
		33	GND	19							
		32	+5VS	20							
		-	N.C.	21							
		31	N.C.	22							
		30	GND	23							
		29	SYCLK YM	24							
		28	SYCS YM N	25							
		27	SYDI YM	26							
		26	SYDO YM	27							
		-	N.C.	28							
		-	N.C.	29							
		25	ERR YM N	30							
24	APC YM N	31									
23	+5VS	32									
22	+5VS	33									
21	N.C.	-									
20	N.C.	-									
19	N.C.	-									
18	GND	34									

IM C4500/C5500/C6000 Harness Pin Assignment

Harness No.	Connector (From)			Signal Information	Connector (To)			Note	
	To Connector	Addr.	Pin		Addr.	Pin	To Connector		
75	BiCU	CN562	1	Serial CS	-	50	SBU		
			2	Serial TX Data		49			
			3	Serial CLOCK		48			
			4	GND		47			
			5	White Board Area Signal		46			
			6	Effective Original Erea		45			
			7	GND		44			
			8	LED Control		43			
			9	LED Light		42			
			10	GND		41			
			11	24V		40			
			12	24V		39			
			13	24V		38			
			14	GND		37			
			15	GND		36			
			16	GND		35			
			17	6V		34			
			18	6V		33			
			19	6V		32			
			20	GND		31			
			21	10V		30			
			22	10V		29			
			23	GND		28			
			24	3.3V		27			
			25	3.3V		26			
			26	3.3V		25			
			27	GND		24			
			28	GND		23			
			29	GND		22			
			30	GND		21			
			31	GND		20			
			32	LVDS Data E(+)		19			
			33	LVDS Data E(-)		18			
			34	GND		17			
			35	LVDS Data D(+)		16			
			36	LVDS Data D(-)		15			
			37	GND		14			
			38	LVDS Transfer clk(+)		13			
			39	LVDS Transfer clk(-)		12			
			40	GND		11			
			41	LVDS Data C(+)		10			
			42	LVDS Data C(-)		9			
			43	GND		8			
			44	LVDS Data B(+)		7			
			45	LVDS Data B(-)		6			
			46	GND		5			
			47	LVDS Data A(+)		4			
			48	LVDS Data A(-)		3			
			49	GND		2			
			50	Serial RX Data		1			
76	BiCU	CN318	1	GND	CN1	3	Scanner Home Position Sensor		
			2	HPS SENS		2			
			3	+5V		1			
			4	GND	CN2	3	ADF/Platen Cover Sensor		
			5	XAKS		2			
			6	5VE AKS		1			
77	BiCU	CN313	1	GND	CN1	3	Auto Paper Size(APS) Sensor/A		
			2	APS1 V		2			
			3	VCC APS		1			
			4	GND	CN2	3	Auto Paper Size(APS) Sensor/B		
			5	APS2 V		2			
			6	VCC APS		1			
			7	N.C.		-			
78	BiCU	CN314	2	B	CN1	1	Scanner Motor		
			-	N.C.		2			
			1	B		3			
			4	A		4			
			-	N.C.		5			
			3	A		6			
80	Harness ID.23	CN1	1	GND	T1	-	Screw	CN4, CN5、 CN6、CN7 : With relay connector	
			2	N.C.	-	-	-		
			3	HT1/L	T3	-	Screw		
			4	HT2/L	T4	-	Screw		
			5	HT2/N	CN8	1	Heating Roller: End		
			6	HT1/N		2	Heating Roller: Center		
		CN2	1	Pressure Thermistor: CenterGND	CN4	2	Pressure Thermistor: Center		
			2	Pressure Thermistor: Center:FB		1			
			3	Pressure Thermistor: EndGND		4			
			4	Pressure Thermistor: End:FB	CN5	3	Pressure Thermistor: End/2		
			5	Pressure Thermistor: Full-Bleed EdgeGND		2			
			6	Pressure Thermistor: Full-Bleed Edge: FB		1			
			7	Non-Contact Thermistor(Center)GND	CN6	6	Non-Contact Thermistor(Center)		
			8	Non-Contact Thermistor(Center): Compensation		5			
			9	Non-Contact Thermistor(Center): Detection		4			
			10	Non-Contact Thermistor(Edge)GND		3			
			11	Non-Contact Thermistor(Edge): Compensation		2	Non-Contact Thermistor(Edge)		
			12	Non-Contact Thermistor(Edge): Detection		1			
		CN3	13	N.C.	-	-	-		
			1	N.C.	-	-	-		
			2	N.C.	-	-	-		
			3	New unit Detection Fuse: GND	CN7	2	New unit Detection Fuse		
			4	New unit Detection Fuse		1			
5	N.C.		-	-					
6	N.C.(Set Detection: Special Paper)		-	-	-				
7	N.C.(Set Detection: 200V)		-	-	-				
8	Set Detection: 100V		CN3	9	Set Detection: 100V Model (Short-Circuit)				
10	N.C.(Set Detection (P): GND)			-			-		
11	N.C.			-			-		
		-		-					

IM C4500/C5500/C6000 Harness Pin Assignment

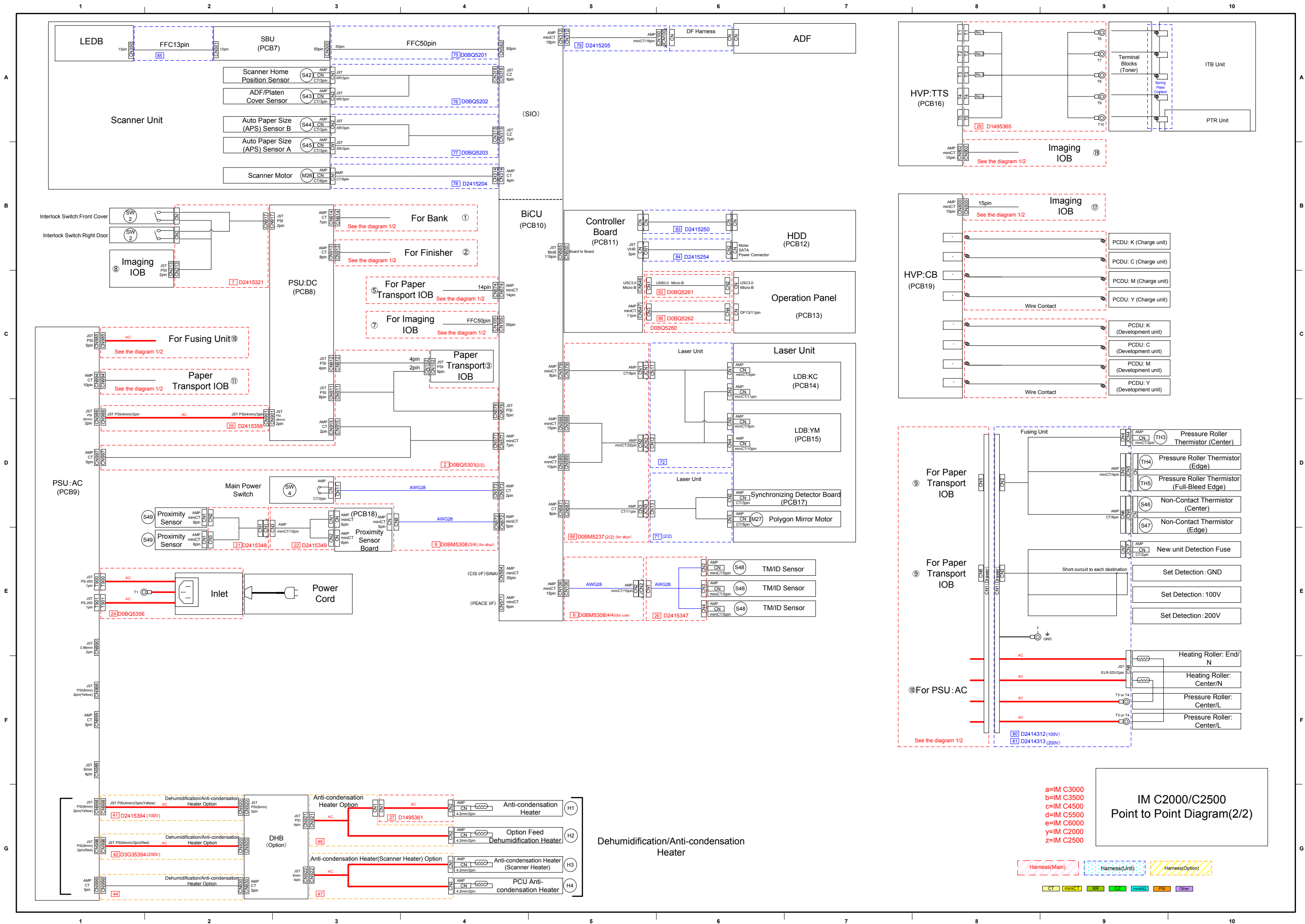
Harness No.	Connector (From)			Signal Information	Connector (To)			Note	
	To Connector	Addr.	Pin		Addr.	Pin	To Connector		
81	Harness ID.23	CN1	1	GND	T1	-	Screw	CN4、CN5、 CN6、CN7：With relay connector	
			2	N.C.	-	-	-		
			3	HT1/L	T3	-	Screw		
			4	HT2/L	T4	-	Screw		
			5	HT2/N	CN8	1	Heating Roller: End		
			6	HT1/N		2	Heating Roller: Center		
		CN2	1	Pressure Thermistor: CenterGND	CN4	2	Pressure Thermistor: Center		
			2	Pressure Thermistor: Center: FB		1			
			3	Pressure Thermistor: EndGND		4			
			4	Pressure Thermistor: End: FB	CN5	3	Pressure Thermistor: End/2		
			5	Pressure Thermistor: Full-Bleed EdgeGND		2			
			6	Pressure Thermistor: Full-Bleed Edge: FB		1			
			7	Non-Contact Thermistor(Center)GND	CN6	6	Non-Contact Thermistor(Center)		
			8	Non-Contact Thermistor(Center): Compensation		5			
			9	Non-Contact Thermistor(Center): Detection		4			
			10	Non-Contact Thermistor(Edge)GND		3			
			11	Non-Contact Thermistor(Edge): Compensation		2	Non-Contact Thermistor(Edge)		
			12	Non-Contact Thermistor(Edge): Detection					1
		CN3	13	N.C.	-	-	-		
			1	N.C.	-	-	-		
			2	N.C.	-	-	-		
			3	New unit Detection Fuse: GND	CN7	2	New unit Detection Fuse		
			4	New unit Detection Fuse		1			
			5	N.C.	-	-	-		
			6	N.C.(Set Detection: Special Paper)	-	-	-		
			7	N.C.(Set Detection: 200V)	CN3	9	Set Detection: 200V Model (Short-Circuit)		
			8	Set Detection: 100V	-	-	-		
			10	N.C.(Set Detection (P): GND)	-	-	-		
			11	N.C.	-	-	-		
			82	CTL	CN1	1	VBUS		CN2
2	USB D-	2							
3	USB D+	3							
5	GND	5							
6	MicB SSTX-	6							
7	MicB SSTX+	7							
8	GND DRAIN	8							
9	MicB SSRX-	9							
10	MicB SSRX+	10							
4	ID	4							
83	CTL	CN512				1	GND	CN	
			2	HDD Signal: TXP	2				
			3	HDD Signal: TXM	3				
			4	GND	4				
			5	HDD Signal: RXM	5				
			6	HDD Signal: RXP	6				
			7	GND	7				
84	CTL	CN514	1	GND	CN	3	HDD		
			2	5V		2			
			3	HDD Detection Signal		1			
85	SBU	CN350	1	LED1 - 5 Drive	CN	13	LEDB		
			2	LED6 - 10 Drive		12			
			3	LED11 - 15 Drive		11			
			4	LED16 - 20 Drive		10			
			5	LED21 - 25 Drive		9			
			6	LED26 - 30 Drive		8			
			7	LED31 - 35 Drive		7			
			8	LED36 - 40 Drive		6			
			9	LED41 - 45 Drive		5			
			10	LED46 - 50 Drive		4			
			11	Diagonal Insertion Parts Fault Prevention		3			
			12	LED Drive Power		2			
			13	LED Drive Power		1			
86	CTL	CN1	1	+5VX LPS	CN2	1	Operation Panel		
			2	+5VX LPS		2			
			3	+5VX LPS		3			
			4	SC672ERR1		4			
			5	SC672 DET		5			
			6	SCR EN N		6			
			7	GND		7			
			8	GND		8			
			9	GND		9			
			10	ENG NFC REQ N		10			
			11	SDMODE		11			



Harness(Main) Harness(Unit) Harness(Optional)

IM C2000/C2500
Point to Point Diagram(1/2)

a=IM C3000
b=IM C3500
c=IM C4500
d=IM C5500
e=IM C6000
y=IM C2000
z=IM C2500



IM C2000/C2500 Harness Pin Assignment

Harness No.	Connector (From)			Signal Information	Connector (To)			Note
	To Connector	Addr.	Pin		Addr.	Pin	To Connector	
1	Paper Transport IOB	CN155	1	Fusing Exhaust Fan: +24V(CTRL)	CN1	3	Fusing Exhaust Fan	CN9, CN15, CN16, CN17, CN18: With relay connector
			2	Fusing Exhaust Fan: Lock Sensor Signal		2		
			3	Fusing Exhaust Fan: GND		1		
			4	Registration Sensor: GND	CN2	3	Harness ID.55	
			5	Registration Sensor: Sensor Signal		2		
			6	Registration Sensor: +5V		1		
			7	Fusing Motor: Load Monitor	CN3	10	Fusing Motor	
			8	Fusing Motor: Maker		9		
			9	Fusing Motor: FG		8		
			10	Fusing Motor: Direction		7		
			11	Fusing Motor: PWM		6		
			12	Fusing Motor: Brake		5		
			13	Fusing Motor: GND		4		
			14	Fusing Motor: GND		3		
			15	Fusing Motor: +24VS2		2		
			16	Fusing Motor: +24VS2		1		
			17	N.C.		-		
			18	Right Door Open/Close Sensor: SW Terminal2 (GND)	CN4	2	Right Door Open/Close Sensor	
			19	Right Door Open/Close Sensor: SW Terminal1		1		
	Paper Transport IOB	CN176	1	N.C.	CN6	-	Paper Exit/Pressure Release Motor	
			2	Paper Exit/Pressure Release Motor: ENC: A Phase		8		
			3	Paper Exit/Pressure Release Motor: ENC: B Phase		7		
			4	Paper Exit/Pressure Release Motor: +5V		6		
			5	Paper Exit/Pressure Release Motor: CW/CCW(Low)		5		
			6	Paper Exit/Pressure Release Motor: PWM		4		
			7	Paper Exit/Pressure Release Motor: Brake (Low)		3		
			8	Paper Exit/Pressure Release Motor: GND		2		
			9	Paper Exit/Pressure Release Motor: +24VS2		1		
			10	Transport Motor: ENC: A Phase	CN8	8	Transport Motor	
			11	Transport Motor: ENC: B Phase		7		
			12	Transport Motor: +5V		6		
			13	Transport Motor: CW/CCW(Low)		5		
			14	Transport Motor: PWM		4		
			15	Transport Motor: Brake (Low)		3		
			16	Transport Motor: GND		2		
			17	Transport Motor: +24VS2		1		
			18	N.C.	-	-		
	Paper Transport IOB	CN157	1	Paper Feed Motor: ENC: A Phase	CN7	8	Paper Feed Motor	
			2	Paper Feed Motor: ENC: B Phase		7		
			3	Paper Feed Motor: +5V		6		
			4	Paper Feed Motor: CW/CCW(Low)		5		
			5	Paper Feed Motor: PWM		4		
			6	Paper Feed Motor: Brake (Low)		3		
			7	Paper Feed Motor: GND		2		
			8	Paper Feed Motor: +24VS2		1		
			9	Registration Motor: ENC: A Phase	CN5	8	Registration Motor	
			10	Registration Motor: ENC: B Phase		7		
			11	Registration Motor: +5V		6		
			12	Registration Motor: CW/CCW(Low)		5		
			13	Registration Motor: PWM		4		
			14	Registration Motor: Brake (Low)		3		
			15	Registration Motor: GND		2		
			16	Registration Motor: +24VS2		1		
	Paper Transport IOB	CN159	1	Pick-up Solenoid (1st Feed Tray): Terminal1 (+24VS2)	CN9	14	Harness ID.56	
			2	Pick-up Solenoid (1st Feed Tray): Terminal2 (PWM)		13		
			3	Paper Exit Full Sensor: GND		12		
			4	Paper Exit Full Sensor: Sensor Signal		11		
			5	Paper Exit Full Sensor: +5V		10		
			6	Transport Sensor (1st Feed Tray): GND		9		
			7	Transport Sensor (1st Feed Tray): Sensor Signal		8		
			8	Transport Sensor (1st Feed Tray): +5V		7		
			9	Paper End Sensor (1st Feed Tray): GND		6		
			10	Paper End Sensor (1st Feed Tray): Sensor Signal		5		
			11	Paper End Sensor (1st Feed Tray): +5V		4		
			12	Upper Limit Sensor (1st Feed Tray): GND		3		
			13	Upper Limit Sensor (1st Feed Tray): Sensor Signal		2		
			14	Upper Limit Sensor (1st Feed Tray): +5V		1		
	Paper Transport IOB	CN161	1	PTR Open/Close LED: CTRL	CN10	5	Harness ID.57	
			2	PTR Open/Close LED: +5V		4		
			3	Fusing Entrance Sensor: GND		3		
			4	Fusing Entrance Sensor: Sensor Signal		2		
			5	Fusing Entrance Sensor: +5V	CN11	1	PTR Open/Close Sensor	
			6	PTR Open/Close Sensor: GND		3		
			7	PTR Open/Close Sensor: Sensor Signal		2		
			8	PTR Open/Close Sensor: +5V		1		
			9	Duplex Entrance Motor: ENC: A Phase	CN14	8	Duplex Entrance Motor	
			10	Duplex Entrance Motor: ENC: B Phase		7		
			11	Duplex Entrance Motor: +5V		6		
			12	Duplex Entrance Motor: CW/CCW(Low)		5		
			13	Duplex Entrance Motor: PWM		4		
			14	Duplex Entrance Motor: Brake (Low)		3		
			15	Duplex Entrance Motor: GND		2		
			16	Duplex Entrance Motor: +24VS2		1		
			17	Bypass/Duplex Motor: ENC: A Phase	CN15	18	Harness ID.58	
			18	Bypass/Duplex Motor: ENC: B Phase		17		
			19	Bypass/Duplex Motor: +5V		16		
			20	Bypass/Duplex Motor: CW/CCW(Low)		15		
			21	Bypass/Duplex Motor: PWM		14		
			22	Bypass/Duplex Motor: Brake (Low)		13		
			23	Bypass/Duplex Motor: GND		12		
			24	Bypass/Duplex Motor: +24VS2		11		
			25	Duplex Entrance Sensor: GND		10		
			26	Duplex Entrance Sensor: Sensor Signal		9		
			27	Duplex Entrance Sensor: +5V		8		
			28	Duplex Exit Sensor: GND		7		
			29	Duplex Exit Sensor: Sensor Signal		6		
			30	Duplex Exit Sensor: +5V		5		
			31	Duplex Guide Plate Open/Close Sensor: SW Terminal2 (GND)		4		
			32	Duplex Guide Plate Open/Close Sensor: SW Terminal1		3		
			-	N.C.		2		
			-	N.C.		1		

IM C2000/C2500 Harness Pin Assignment

Harness No.	Connector (From)			Signal Information	Connector (To)			Note
	To Connector	Addr.	Pin		Addr.	Pin	To Connector	
1	Paper Transport IOB	CN162	1	Bypass Pick-up Solenoid: Terminal2 (PWM)	CN16	14	Harness ID.60	CN9, CN15, CN16, CN17, CN18: With relay connector
			2	Bypass Pick-up Solenoid: Terminal1 (+24VS2)		13		
			3	Bypass Paper End Sensor: GND		12		
			4	Bypass Paper End Sensor: Sensor Signal		11		
			5	Bypass Paper End Sensor: +5V		10		
			6	Bypass Length Sensor: SW Terminal2		9		
			7	Bypass Length Sensor: SW Terminal1		8		
			8	Bypass Length Sensor: COM Terminal (GND)		7		
			9	Bypass Length Sensor: SW Terminal4		6		
			10	Bypass Length Sensor: SW Terminal5		5		
			11	Bypass Length Sensor: SW Terminal3		4		
			12	Bypass Width Sensor: GND		3		
			13	Bypass Width Sensor: Sensor Signal		2		
			14	Bypass Width Sensor: +5V		1		
			15	N.C.	-	-	-	
			16	Paper Exit Solenoid: Terminal1 (+24VS2)	CN17	15	Harness ID.63	
			17	Paper Exit Solenoid: Terminal2 (PWM)		14		
			18	Reverse Sensor: GND		13		
			19	Reverse Sensor: Sensor Signal		12		
			20	Reverse Sensor: +5V		11		
			21	Paper Exit Sensor: GND		10		
			22	Paper Exit Sensor: Sensor Signal		9		
			23	Paper Exit Sensor: +5V		8		
			24	Paper Exit Full Sensor: GND		7		
			25	Paper Exit Full Sensor: Sensor Signal		6		
			26	Paper Exit Full Sensor: +5V		5		
			27	N.C.	-	-	-	
			28	N.C.	-	-	-	
			29	N.C.	-	-	-	
			30	N.C.	-	-	-	
	Paper Transport IOB	CN167	1	Reverse Motor: XB Phase	CN17	4	Harness ID.63	
			2	Reverse Motor: B Phase		3		
			3	Reverse Motor: XA Phase		2		
	Paper Transport IOB	CN178	4	Reverse Motor: A Phase	CN18	1	Harness ID.23	
			1	Set Detection (P): GND		A17		
			2	Set Detection (C): GND		A16		
			3	Set Detection: NA		A15		
			4	Set Detection: EU		A14		
		CN177	5	Set Detection : Special Paper		A13		
			6	NewUnit Detection Fuse		A12		
			7	NewUnit Detection Fuse: GND		A11		
			1	Thermopile (edge): +5V		A10		
			2	Thermopile (edge): GND		A9		
			3	Thermopile (edge): FB		A8		
			4	Thermopile (center): +5V		A7		
CN156		5	Thermopile (center): GND	A6				
		6	Thermopile (center): FB	A5				
		7	Fusing Exit Sensor: GND	A4				
		8	Fusing Exit Sensor: Sensor Signal	A3				
		9	Fusing Exit Sensor: +5V	A2				
		-	N.C.	A1				
		-	N.C.	B17				
		-	N.C.	B16				
		1	N.C.	B15				
		2	N.C.	B14				
		3	N.C.	B13				
		4	Non-Contact Thermistor (Edge): Detection	B12				
		5	Non-Contact Thermistor (Edge): Compensation	B11				
		6	Non-Contact Thermistor (Edge): GND	B10				
		7	Non-Contact Thermistor (Center): Detection	B9				
		8	Non-Contact Thermistor (Center): Compensation	B8				
		9	Non-Contact Thermistor (Center): GND	B7				
		10	Pressure Thermistor: Full-Bleed Edge: FB	B6				
11	Pressure Thermistor: Full-Bleed Edge: GND	B5						
12	Pressure Thermistor: End: FB	B4						
13	Pressure Thermistor: End: GND	B3						
14	Pressure Thermistor: Center: FB	B2						
15	Pressure Thermistor: Center: GND	B1						

IM C2000/C2500 Harness Pin Assignment

Harness No.	Connector (From)			Signal Information	Connector (To)			Note	
	To Connector	Addr.	Pin		Addr.	Pin	To Connector		
2	Paper Transport IOB	CN153	1	AC driver: +24V	CN994	10	PSU (AC)	CN2, CN5: With relay connector	
			2	AC driver: GND		9			
			3	AC driver: Zero Cross Signal1		8			
			4	AC driver: Fusing Relay Trigger Signal1		7			
			5	AC driver: Anti-condensation Heater Relay Trigger Signal		6			
			6	AC driver: AC Voltage Detection Signal		5			
			7	AC driver: Fusing Heater2 Trigger Signal		4			
			8	AC driver: Fusing Heater1 Trigger Signal		3			
			9	AC driver: Fusing Relay Trigger Signal2		2			
			10	AC driver: Zero Cross Signal2		1			
			11	PSU Cooling Fan: +24V (CTRL)	3	PSU Cooling Fan			
			12	PSU Cooling Fan: Lock Sensor Signal	2				
			13	PSU Cooling Fan: GND	1				
			14	N.C.	-		-		
			15	N.C.	-	-			
			16	N.C.	-	-			
	Paper Transport IOB	CN164	1	IPU: PONSENS IOB N	CN574	14	BiCU		
			2	IPU: GND		13			
			3	IPU: +5VE LPS		12			
			4	IPU: GND		11			
			5	IPU: +24V		10			
			6	IPU: +24V		9			
			7	IPU: +24V		8			
			8	IPU: +24V		7			
			9	IPU: GND		6			
			10	IPU: GND		5			
			11	IPU: GND		4			
			12	IPU: +24VS1		3			
			13	IPU: +24VS2		2			
			14	IPU: GND		1			
	Paper Transport IOB	CN253	1	MKB: +5V	CN750	13	MKB		
			2	MKB: Key Card: Set Detection		12			
			3	MKB: b0 (Size1)		11			
			4	MKB: b1 (Size2)		10			
			5	MKB: b2 (Size3)		9			
			6	MKB: b3 (Size4)		8			
			7	MKB: b4 (Mode1)		7			
			8	MKB: b5 (Mode2)		6			
			9	MKB: b6 (Duplex)		5			
			10	MKB: b7 (Motor)		4			
			11	MKB: GND		3			
			12	MKB: Key Card: CTRL		2			
			13	MKB: For Optional Counter: +24V		1			
			14	Key Counter: GND	4	Key Counter			
			15	Key Counter: Key Counter: Set Detection	3				
			16	Key Counter: For Optional Counter: +24V	2				
			17	Key Counter: Key Counter: CTRL	1				
	BiCU	CN577	1	PSU(DC): DC Power ON Signal	CN915	2	PSU (DC)		
			2	PSU(DC): GND		1			
			3	PSU(AC): +5VX	5	PSU (AC)			
			4	PSU(AC): Latch Enable Signal	4				
			5	PSU(AC): Anti-condensation Heater(Scanner Heater) Relay Trigger	3				
			6	PSU(AC): Anti-condensation Heater Relay Trigger	2				
			7	PSU(AC): GND	1				
	Paper Transport IOB	CN152	1	PSU: +24V	CN912	4	PSU (DC)		
			2	PSU: +24V		3			
			3	PSU: GND(+24V)		2			
			4	PSU: GND(+24V)		1			
			5	PSU: GND(+5V)		4			PSU (DC)
			6	PSU: +5V		8			
	BiCU	CN578	1	PSU: GND	CN911	2	PSU (DC)		
			2	PSU: GND		3			
			3	PSU: 5V		7			
			4	PSU: 5VX		6			
			5	PSU: 5VX		5			
			-	N.C.		1			
3	Imaging IOB	CN207	1	Paper Transport IOB: GND	CN163	18	Paper Transport IOB		
			2	Paper Transport IOB: GND		17			
			3	Paper Transport IOB: +24VS2		16			
			4	Paper Transport IOB: +24VS2		15			
			5	Paper Transport IOB: +24VS2		14			
			6	Paper Transport IOB: +24VS2		13			
			7	Paper Transport IOB: +24VS1		12			
			8	Paper Transport IOB: GND		11			
			9	Paper Transport IOB: GND		10			
			10	Paper Transport IOB: GND		9			
			11	Paper Transport IOB: GND		8			
			12	Paper Transport IOB: GND		7			
			13	Paper Transport IOB: GND		6			
			14	Paper Transport IOB: +5V		5			
			15	Paper Transport IOB: +24V		4			
			16	Paper Transport IOB: +24V		3			
			17	Paper Transport IOB: +24V		2			
			18	Paper Transport IOB: GND		1			
4	Paper Transport IOB	CN256	1	Bank: RXD	CN1	16	Bank Drawer		
			2	Bank: TXD		14			
			3	Bank: GND		12			
			4	Bank: GND		10			
			5	Bank: +5V		8			
			6	Bank: +5V		6			
			7	Bank: GND		4			
			1	PSU: GND		3			
	PSU (DC)	CN914	2	PSU: GND		5			
			3	PSU: GND		7			
			4	PSU: 24V		9			
			5	PSU: 24V		11			
			6	PSU: 24V		13			
			7	PSU: 24V		15			
			-	N.C.		1			
			-	N.C.		2			
	-	N.C.	17						
	-	N.C.	18						

IM C2000/C2500 Harness Pin Assignment

Harness No.	Connector (From)			Signal Information	Connector (To)			Note
	To Connector	Addr.	Pin		Addr.	Pin	To Connector	
5	Paper Transport IOB	CN158	1	Lift Motor (2nd Feed Tray): Sensor: Paper Remaining Detection	CN1	5	Lift Motor /Upper Limit Sensor (2nd Feed Tray)	CN5: With relay connector
			2	Lift Motor (2nd Feed Tray): Sensor: Paper Remaining Detection: GND		4		
			3	Lift Motor (2nd Feed Tray): Sensor: Paper Remaining Detection		3		
			4	Lift Motor (2nd Feed Tray): Sensor: CTRL-		2		
			5	Lift Motor (2nd Feed Tray): Sensor: CTRL+		1		
			6	Tray Set Sensor (2nd Feed Tray): GND	CN2	2	Tray Set Sensor (2nd Feed Tray)	
			7	Tray Set Sensor (2nd Feed Tray): SW Terminal1		1		
			8	Paper Size Switch (2nd Feed Tray): SW Terminal4		5		
			9	Paper Size Switch (2nd Feed Tray): GND	CN3	4	Size Switch (2nd Feed Tray)	
			10	Paper Size Switch (2nd Feed Tray): SW Terminal3		3		
			11	Paper Size Switch (2nd Feed Tray): SW Terminal2		2		
			12	Paper Size Switch (2nd Feed Tray): SW Terminal1		1		
			13	N.C.	-	-	-	
			14	N.C.	-	-	-	
			15	Pick-up Solenoid (2nd Feed Tray): +24VS2	CN5	14	Harness ID.56	
			16	Pick-up Solenoid (2nd Feed Tray): PWM		13		
			17	Paper Feed Sensor (2nd Feed Tray): GND		12		
			18	Paper Feed Sensor (2nd Feed Tray): Sensor Signal		11		
			19	Paper Feed Sensor (2nd Feed Tray): +5V		10		
			20	Transport Sensor(2nd Feed Tray): GND		9		
			21	Transport Sensor(2nd Feed Tray): Sensor Signal		8		
			22	Transport Sensor(2nd Feed Tray): +5V		7		
			23	Paper End Sensor(2nd Feed Tray): GND		6		
			24	Paper End Sensor(2nd Feed Tray): Sensor Signal		5		
			25	Paper End Sensor(2nd Feed Tray): +5V		4		
			26	Tray lift Sensor (2nd Feed Tray): GND		3		
			27	Tray lift Sensor (2nd Feed Tray): Sensor Signal		2		
			28	Tray lift Sensor (2nd Feed Tray): +5V		1		
Paper Transport IOB	CN160	1	Lift Motor (1st Feed Tray): Sensor: Paper Remaining Detection	CN6	5	Lift Motor (1st Feed Tray): Sensor		
		2	Lift Motor (1st Feed Tray): Sensor: Paper Remaining Detection: GND		4			
		3	Lift Motor (1st Feed Tray): Sensor: Paper Remaining Detection		3			
		4	Lift Motor (1st Feed Tray): Sensor: CTRL-		2			
		5	Lift Motor (1st Feed Tray): Sensor: CTRL+		1			
		6	Tray Set Sensor (1st Feed Tray): GND	CN7	2	Tray Set Sensor (1st Feed Tray)		
		7	Tray Set Sensor (1st Feed Tray): SW Terminal1		1			
6	BiCU	CN105	1	TM/ID Sensor: 3.3V	CN2	15	Harness ID.20	CN1, CN2, CN5 CN8, CN13: With relay connector
			2	TM/ID Sensor: GND		14		
			3	TM/ID Sensor: FRONT LED Drive		13		
			4	TM/ID Sensor: FRONT Diffuse Reflection Sensor Output		12		
			5	TM/ID Sensor: FRONT Specular Reflection Sensor Output		11		
			6	TM/ID Sensor: 3.3V		10		
			7	TM/ID Sensor: GND		9		
			8	TM/ID Sensor: CENTER LED Drive		8		
			9	TM/ID Sensor: CENTER Diffuse Reflection Sensor Output		7		
			10	TM/ID Sensor: CENTER Specular Reflection Sensor Output		6		
			11	TM/ID Sensor: 3.3V		5		
			12	TM/ID Sensor: GND		4		
			13	TM/ID Sensor: REAR LED Drive		3		
			14	TM/ID Sensor: REAR Diffuse Reflection Sensor Output		2		
			15	TM/ID Sensor: REAR Specular Reflection Sensor Output		1		
	Paper Transport IOB	CN166	1	Fusing Exit Drive Solenoid: Terminal 2(PWM)	CN13	2	Harness ID.16	
			2	Fusing Exit Drive Solenoid: Terminal 1(+24VS2)		1		
			3	Pressure Roller HP Sensor: GND		3		
			4	Pressure Roller HP Sensor: Signal		1		
			5	Pressure Roller HP Sensor: +5V		1		
	Paper Transport IOB	CN251	1	1bin Tray: Mainframe Reverse Sensor Output Signal	CN10	6	1bin Tray	
			2	1bin Tray: Tray lift Sensor		5		
			3	1bin Tray: Set Detection Mechanism		4		
			4	1bin Tray: GND		3		
			5	1bin Tray: +5VE LPS		2		
			6	1bin Tray: +5V		1		
	Imaging IOB	CN209	1	Temperature and Humidity Sensor: Temperature FB	CN4	4	Temperature and Humidity Sensor	
			2	Temperature and Humidity Sensor: GND		3		
			3	Temperature and Humidity Sensor: Humidity FB		2		
			4	Temperature and Humidity Sensor: +3.3V		1		
			5	Developing Air Intake Fan: Right: CTRL	CN5	3	Developing Air Intake Fan: Right	
			6	Developing Air Intake Fan: Right: Lock		2		
			7	Developing Air Intake Fan: Right: GND		1		
			8	Paper Exit Cooling/Controller Box Cooling/CTL Cooling Fan: CTRL	CN8	3	Paper Exit Cooling Fan	
			9	Paper Exit Cooling Fan: Paper Exit Cooling Fan: Lock		2		
10			Paper Exit Cooling Fan: GND	1				
BiCU	CN573	1	Main Power Switch: PW BTN N	CN11	2	Main Power Switch		
		2	Main Power Switch: GND		1			
1bin LED	CN1	1	1bin LED: CATHODE	CN12	2	1bin Tray		
		2	1bin LED: ANODE		1			
BiCU	CN572	1	Proximity Sensor: Power (+3.3VE)	CN9	5	Proximity Sensor Board		
		2	Proximity Sensor: Motion Sensor Signal		4			
		3	Proximity Sensor: GND		3			
		4	N.C.		2			
		5	N.C.		1			
7	PSU (DC)	CN917	1	PSU (DC): 24V	1	Interlock Switch: Front Cover		
			2	PSU (DC): 24V	2	Interlock Switch: Right Door		
	Imaging IOB	CN213	1	Interlock Switch: Front Cover: +24VS1	1	Interlock Switch: Front Cover		
			2	Interlock Switch: Right Door: +24VS2	2	Interlock Switch: Right Door		
8	Imaging IOB	CN217	-	N.C.	CN1	8	GRM (Lattice)	
			1	Finisher: RXD		7		
			-	N.C.		6		
			2	Finisher: TXD		5		
			-	N.C.		4		
			-	N.C.		3		
			3	Finisher: GND		2		
			4	Finisher: GND		1		
	PSU (DC)	CN913	-	N.C.	CN2	9	GRM (Lattice)	
			1	PSU (DC): GND		8		
			2	PSU (DC): GND		7		
			3	PSU (DC): GND		6		
			4	PSU (DC): GND		5		
			5	PSU (DC): 24V		4		
			6	PSU (DC): 24V		3		
			7	PSU (DC): 24V		2		
8	PSU (DC): 24V	1						

IM C2000/C2500 Harness Pin Assignment

Harness No.	Connector (From)			Signal Information	Connector (To)			Note
	To Connector	Addr.	Pin		Addr.	Pin	To Connector	
9	Imaging IOB	CN203	1	Toner Bottle Drive Motor(Bk): CTRL B	CN1	2	Toner Bottle Drive Motor(Bk)	CN1、CN2、CN3、CN4、CN14、CN18: With relay connector
			2	Toner Bottle Drive Motor(Bk): +24VS1		1		
			3	Toner Bottle Drive Motor(C): CTRL B	CN2	2	Toner Bottle Drive Motor(C)	
			4	Toner Bottle Drive Motor(C): +24VS1		1		
			5	Toner Bottle Drive Motor(M): CTRL B	CN3	2	Toner Bottle Drive Motor(M)	
			6	Toner Bottle Drive Motor(M): +24VS1		1		
			7	Toner Bottle Drive Motor(Y): CTRL B	CN4	2	Toner Bottle Drive Motor(Y)	
			8	Toner Bottle Drive Motor(Y): +24VS1		1		
			9	N.C.	CN5	—		
			10	ID Chip Contact Board: I2C		4		
			11	ID Chip Contact Board: GND		3	ID Chip Contact Board	
			12	ID Chip Contact Board: I2C		2		
			13	ID Chip Contact Board: Power	CN6	—		
			14	N.C.		4		
			15	ID Chip Contact Board: I2C		3	ID Chip Contact Board	
			16	ID Chip Contact Board: GND		2		
			17	ID Chip Contact Board: I2C	CN7	—		
			18	ID Chip Contact Board: Power		4	ID Chip Contact Board	
			19	ID Chip Contact Board: I2C		3		
			20	ID Chip Contact Board: GND		2		
			21	ID Chip Contact Board: I2C	CN8	—		
			22	ID Chip Contact Board: Power		4	ID Chip Contact Board	
			23	ID Chip Contact Board: I2C		3		
			24	ID Chip Contact Board: GND		2		
			25	ID Chip Contact Board: I2C	CN802	10		
			26	ID Chip Contact Board: Power		9	HVP: TTS	
	Imaging IOB	CN219	1	HVP/TTS: +24VS2		8		
			2	HVP/TTS: GND		7		
			3	HVP TTS: Transfer/SC Detection		6		
			4	HVP TTS: Paper Transfer (-)/Output Voltage FB		5		
			5	HVP TTS: Paper Transfer (-)/PWM		4		
			6	HVP TTS: Paper Transfer (+)/PWM		3		
			7	HVP TTS: Image Transfer/K/PWM		2		
			8	HVP TTS: Image Transfer/G/PWM		1		
			9	HVP TTS: Image Transfer/M/PWM	CN9	—		
			10	HVP TTS: Image Transfer/Y/PWM		3	Harness ID.18	
			11	N.C.		2		
9	Imaging IOB	CN205	1	Toner End Sensor/K: GND	CN10	2	Harness ID.18	CN1、CN2、CN3、CN4、CN14、CN18: With relay connector
			2	Toner End Sensor/K: Signal		3		
			3	Toner End Sensor/K: +5VTEK	CN13	2	Harness ID.18	
			4	Toner End Sensor/C: GND		1		
			5	Toner End Sensor/C: +5VTEFC	CN17	2	Harness ID.18	
			6	Toner End Sensor/M: GND		1		
			7	Toner End Sensor/M: Signal	CN14	2	Harness ID.17	
			8	Toner End Sensor/M: +5VTEFC		1		
			9	Toner End Sensor/Y: GND	CN18	2	Imaging Temperature Sensor	
			10	Toner End Sensor/Y: Signal		1		
			11	Toner End Sensor/Y: +5VTEFC	CN19	10		
			12	ITB Contact and Release Sensor: GND		9		
			13	ITB Contact and Release Sensor: Signal		8		
			14	ITB Contact and Release Sensor: +5V		7		
			15	Imaging Temperature Sensor: GND		6		
			16	Imaging Temperature Sensor: Imaging Temperature Sensor/FB		5		
			17	Imaging Temperature Sensor: Imaging Temperature Sensor/FB		4		
9	Imaging IOB	CN218	1	Bridge unit/Shift Tray/Exit Tray Left: GND	CN20	3		CN8、CN9、CN13: With relay connector
			2	Bridge unit/Shift Tray/Exit Tray Left: +5V		2		
			3	Bridge unit/Shift Tray/Exit Tray Left: CBU SS1SET I		1		
			4	Bridge unit/Shift Tray/Exit Tray Left: CBU CVSNSNS N I		9		
			5	Bridge unit/Shift Tray/Exit Tray Left: CBU EPSNSNS N I		8		
			6	Bridge unit/Shift Tray/Exit Tray Left: CBU CVMTBST N O		7		
			7	Bridge unit/Shift Tray/Exit Tray Left: CBU CVMTCTL O	CN21	4		
			8	Bridge unit/Shift Tray/Exit Tray Left: GND		3		
			9	Bridge unit/Shift Tray/Exit Tray Left: +24V		2		
			—	N.C.		1		
			10	Bridge unit/Exit Tray Left: +24V	CN20	9		
			11	Bridge unit/Exit Tray Left: CBU+5VFU I		8		
			12	Bridge unit/Exit Tray Left: CBU CVMTENA N O		7		
			13	Bridge unit/Exit Tray Left: CBU SS2SET I		6		
			14	Bridge unit/Exit Tray Left: CBU CVSLPWM O		5		
			15	Bridge unit/Exit Tray Left: CBU CVMTOLK O		4		
			16	Bridge unit/Exit Tray Left: CBU+24VFU I		3		
			17	Bridge unit/Exit Tray Left: CBTOCSNSNS I		2		
			18	Bridge unit/Exit Tray Left: CBEOCSNSNS I		1		
10	Imaging IOB	CN226	1	ITB New Unit Detection: GND	CN21	2	Harness ID33	CN1、CN2、CN3、CN4、CN14、CN18: With relay connector
			2	ITB New Unit Detection: Signal		1		
	Imaging IOB	CN222	1	Tonner Supply Motor(Bk): A Phase	CN1	4	Tonner Supply Motor(Bk)	
			2	Tonner Supply Motor(Bk): XA Phase		3		
			3	Tonner Supply Motor(Bk): B Phase		2		
			4	Tonner Supply Motor(Bk): XB Phase	CN2	1		
			5	Tonner Supply Motor(C): A Phase		4	Tonner Supply Motor(C)	
			6	Tonner Supply Motor(C): XA Phase		3		
			7	Tonner Supply Motor(C): B Phase	CN3	2		
			8	Tonner Supply Motor(C): XB Phase		1		
			9	Tonner Supply Motor(M): A Phase		4	Tonner Supply Motor(M)	
			10	Tonner Supply Motor(M): XA Phase	CN4	3		
			11	Tonner Supply Motor(M): B Phase		2		
			12	Tonner Supply Motor(M): XB Phase		1		
			13	Tonner Supply Motor(Y): A Phase	CN4	4	Tonner Supply Motor(Y)	
			14	Tonner Supply Motor(Y): XA Phase		3		
			15	Tonner Supply Motor(Y): B Phase		2		
			16	Tonner Supply Motor(Y): XB Phase		1		

IM C2000/C2500 Harness Pin Assignment

Harness No.	Connector (From)			Signal Information	Connector (To)			Note	
	To Connector	Addr.	Pin		Addr.	Pin	To Connector		
11	Imaging IOB	CN200	1	PCU Motor/FC: Load Monitor	CN1	10	PCU Motor/FC	CN8、CN9、CN13: With relay connector	
			2	PCU Motor/FC: Maker		9			
			3	PCU Motor/FC: FG		8			
			4	PCU Motor/FC: Direction		7			
			5	PCU Motor/FC: PWM		6			
			6	PCU Motor/CMY: Brake		5			
			7	PCU Motor/CMY: GND		4			
			8	PCU Motor/CMY: GND		3			
			9	PCU Motor/CMY: +24VS1		2			
			10	PCU Motor/CMY: +24VS1		1			
			11	Development Motor/CMY: Load Monitor	10	CN2	Development Motor/CMY		
			12	Development Motor/CMY: Maker	9				
			13	Development Motor/CMY: FG	8				
			14	Development Motor/CMY: Direction	7				
			15	Development Motor/CMY: PWM	6				
			16	Development Motor/CMY: Brake	5				
			17	Development Motor/CMY: GND	4				
			18	Development Motor/CMY: GND	3				
			19	Development Motor/CMY: +24VS1	2				
			20	Development Motor/CMY: +24VS1	1				
			21	N.C.	--	--	--		
			22	N.C.	--	--	--		
			23	N.C.	--	--	--		
			24	N.C.	--	--	--		
			25	N.C.	--	--	--		
			26	N.C.	--	--	--		
			27	N.C.	--	--	--		
			28	N.C.	--	--	--		
			29	N.C.	--	--	--		
			30	N.C.	--	--	--		
			31	PCU: Black / Image Transfer Motor: Load Monitor	CN7	10	PCU: Black / Image Transfer Motor		
			32	PCU: Black / Image Transfer Motor: Maker		9			
			33	PCU: Black / Image Transfer Motor: FG		8			
			34	PCU: Black / Image Transfer Motor: Direction		7			
			35	PCU: Black / Image Transfer Motor: PWM		6			
			36	PCU: Black / Image Transfer Motor: Brake		5			
			37	PCU: Black / Image Transfer Motor: GND		4			
			38	PCU: Black / Image Transfer Motor: GND		3			
			39	PCU: Black / Image Transfer Motor: +24VS1		2			
			40	PCU: Black / Image Transfer Motor: +24VS1		1			
	Imaging IOB	CN201	1	Development Solenoid: +24VS1	CN8	2	Development Solenoid		
			2	Development Solenoid: CTRL	1	Harness ID.15			
			3	Waste Toner Capacity Sensor: GND	CN5		3		
			4	Waste Toner Capacity Sensor: Signal	2				
			5	Waste Toner Capacity Sensor: +5V	1	Waste Toner Bottle Set Sensor			
			6	Waste Toner Bottle Set Sensor: GND	CN3		2		
			7	Waste Toner Bottle Set Sensor: Signal	1				
			8	Paper Transfer Contact and Release Sensor: GND	CN11	3	Paper Transfer Contact and Release Sensor		
			9	Paper Transfer Contact and Release Sensor: Signal		2			
			10	Paper Transfer Contact and Release Sensor: +5V	1	Paper Transfer Contact and Release Motor			
			11	Paper Transfer Contact and Release Motor: CTRL 2	CN12		2		
			12	Paper Transfer Contact and Release Motor: CTRL 1	1				
						13	N.C.		--
	Imaging IOB	CN204	1	PCU: HST/K:CTRL	CN13	16	Harness ID.13		
			2	PCU: +24VS2		15			
			3	PCU: GND		14			
			4	PCU: TD Sensor/K: Outout		13			
			5	PCU: TD Sensor: Power		12			
			6	PCU: TD Sensor/K: SEL		11			
			7	PCU: TD Sensor: SDA		10			
			8	PCU: TD Sensor: SCL		9			
			9	PCU: HST/C:CTRL		8			
			10	PCU: +24VS2		7			
			11	PCU: GND		6			
			12	PCU: TD Sensor/C: Outout		5			
			13	PCU: TD Sensor: Power		4			
			14	PCU: TD Sensor/C: SEL		3			
			15	PCU: TD Sensor: SDA		2			
			16	PCU: TD Sensor: SCL		1			
			17	PCU: HST/M:CTRL		32			
			18	PCU: +24VS2		31			
			19	PCU: GND		30			
			20	PCU: TD Sensor/M: Outout		29			
			21	PCU: TD Sensor: Power		28			
			22	PCU: TD Sensor/M: SEL		27			
			23	PCU: TD Sensor: SDA		26			
			24	PCU: TD Sensor: SCL		25			
			25	PCU: HST/Y:CTRL		24			
			26	PCU: +24VS2		23			
			27	PCU: GND		22			
			28	PCU: TD Sensor/Y: Outout		21			
			29	PCU: TD Sensor: Power		20			
			30	PCU: TD Sensor/Y: SEL		19			
			31	PCU: TD Sensor: SDA		18			
			32	PCU: TD Sensor: SCL		17			
	Imaging IOB	CN211	1	HVP/CB: HVP/Development/DC/Y/PWM	CN800	15	HVP: CB		
			2	HVP/CB: HVP/Development/DC/M/PWM		14			
			3	HVP/CB: HVP/Development/DC/C/PWM		13			
			4	HVP/CB: HVP/Development/DC/K/PWM		12			
			5	HVP/CB: HVP/Charge/DC/K/PWM		11			
			6	HVP/CB: HVP/Charge/DC/C/PWM		10			
			7	HVP/CB: HVP/Charge/DC/M/PWM		9			
			8	HVP/CB: HVP/Charge/DC/Y/PWM		8			
			9	N.C.		--			
			10	N.C.		--			
			11	N.C.		--			
			12	N.C.		--			
			13	N.C.		--			
	Imaging IOB	CN216	14	HVP/CB: HVP/Charge Development/SC Detection	7				
			15	HVP/CB: HVP/Charge/AG/K/Output Voltage FB	6				
16			HVP/CB: HVP/Charge/AG/C/Output Voltage FB	5					
17			HVP/CB: HVP/Charge/AG/M/Output Voltage FB	4					
18			HVP/CB: HVP/Charge/AG/Y/Output Voltage FB	3					
19			HVP/CB: GND	2					
20			HVP/CB: +24VS2	1					
1			N.C.	--	--				
2			N.C.	--	--				
3			N.C.	--	--				
4			Paper Exit Cooling/Controller Box Cooling/CTL Cooling Fan: CTRL	3	Controller Box Cooling Fan				
5			Controller Box Cooling Fan: Lock	2					
6			Controller Box Cooling Fan: GND	1					
7			N.C.	--	--				
8			N.C.	--	--				
9	N.C.	--	--						
10	Toner Supply Cooling/Drive Cooling/Main Exhaust Fan: CTRL	3	Toner Supply Cooling Fan						
11	Toner Supply Cooling Fan: Lock	2							
12	Toner Supply Cooling Fan: GND	1							
13	N.C.	--		--					
14	N.C.	--		--					
15	N.C.	--		--					

IM C2000/C2500 Harness Pin Assignment

Harness No.	Connector (From)			Signal Information	Connector (To)			Note
	To Connector	Addr.	Pin		Addr.	Pin	To Connector	
13	Harness ID.11	CN1	1	PCU: Lubricant Near-End Sensor/K	CN2	16	Harness ID.14	CN2: With relay connector
			2	PCU: +24VS2		15		
			3	PCU: HST_SCL		14		
			4	PCU: HST_SDA		13		
			5	PCU: HST_Sensor/K/PWM		12		
			6	PCU: HST_Sensor/+5V		11		
			7	PCU: HST_Sensor/K/FB		10		
			8	PCU: GND		9		
			9	PCU: Lubricant Near-End Sensor/C		8		
			10	PCU: +24VS2		7		
			11	PCU: HST_SCL		6		
			12	PCU: HST_SDA		5		
			13	PCU: HST_Sensor/C/PWM		4		
			14	PCU: HST_Sensor/+5V		3		
			15	PCU: HST_Sensor/C/FB		2		
			16	PCU: GND		1		
			17	PCU: Lubricant Near-End Sensor/M		32		
			18	PCU: +24VS2		31		
			19	PCU: HST_SCL		30		
			20	PCU: HST_SDA		29		
			21	PCU: HST_Sensor/M/PWM		28		
			22	PCU: HST_Sensor/+5V		27		
			23	PCU: HST_Sensor/M/FB		26		
			24	PCU: GND		25		
			25	PCU: Lubricant Near-End Sensor/Y		24		
			26	PCU: +24VS2		23		
			27	PCU: HST_SCL		22		
			28	PCU: HST_SDA		21		
			29	PCU: HST_Sensor/Y/PWM		20		
			30	PCU: HST_Sensor/+5V		19		
			31	PCU: HST_Sensor/Y/FB		18		
			32	PCU: GND		17		
14	Harness ID.13	CN1	1	PCU: HST/K.CTRL	CN9	2	Quenching LED/K	
			2	PCU: +24VS2	1			
			3	PCU: GND	6	Harness ID.67		
			4	PCU: TD_Sensor/K: Output	5			
			5	PCU: TD_Sensor: Power	4			
			6	PCU: TD_Sensor/K: SEL	3			
			7	PCU: TD_Sensor: SDA	2			
			8	PCU: TD_Sensor: SCL	1			
			9	PCU: HST/C.CTRL	CN6	2	Quenching LED/C	
			10	PCU: +24VS2	1			
			11	PCU: GND	6	Harness ID.67		
			12	PCU: TD_Sensor/C: Output	5			
			13	PCU: TD_Sensor: Power	4			
			14	PCU: TD_Sensor/C: SEL	3			
			15	PCU: TD_Sensor: SDA	2			
			16	PCU: TD_Sensor: SCL	1			
			17	PCU: HST/M.CTRL	CN7	2	Quenching LED/M	
			18	PCU: +24VS2	1			
			19	PCU: GND	6	Harness ID.67		
			20	PCU: TD_Sensor/M: Output	5			
			21	PCU: TD_Sensor: Power	4			
			22	PCU: TD_Sensor/M: SEL	3			
			23	PCU: TD_Sensor: SDA	2			
			24	PCU: TD_Sensor: SCL	1			
			25	PCU: HST/Y.CTRL	CN8	2	Quenching LED/Y	
			26	PCU: +24VS2	1			
			27	PCU: GND	6	Harness ID.67		
			28	PCU: TD_Sensor/Y: Output	5			
			29	PCU: TD_Sensor: Power	4			
			30	PCU: TD_Sensor/Y: SEL	3			
			31	PCU: TD_Sensor: SDA	2			
			32	PCU: TD_Sensor: SCL	1			
15	Harness ID.11	CN1	1	Waste Toner Capacity Sensor: GND	CN2	3	Waste Toner Capacity Sensor	CN1: With relay connector
16	Harness ID.6	CN1	2	Waste Toner Capacity Sensor: Waste Toner Capacity Sensor	CN2	2	Fusing Exit Drive Solenoid	
			3	Waste Toner Capacity Sensor: +5V		1		
			1	Fusing Exit Drive Solenoid: Terminal 2(PWM)		3		
17	Harness ID.9	CN1	-	N.C.	CN2	2	ITB Contact and Release Sensor	
			2	Fusing Exit Drive Solenoid: Terminal 1(+24VS2)		1		
			1	ITB Contact and Release Sensor: GND		3		
18	Harness ID.9	CN1	2	ITB Contact and Release Sensor: Signal	CN2	2	Toner End Sensor	CN2: With relay connector
			3	ITB Contact and Release Sensor: +5V		1		
			1	Toner End Sensor: GND		3		
20	Harness ID.6	CN1	2	Toner End Sensor: Signal	CN2	2	TM/ID Sensor: FRONT	
			3	Toner End Sensor: +5VTEK		1		
			1	TM/ID Sensor: 3.3V		5		
			2	TM/ID Sensor: GND	CN3	4	TM/ID Sensor: CENTER	
			3	TM/ID Sensor: FRONT LED Drive		3		
			4	TM/ID Sensor: FRONT Diffuse Reflection Sensor Output		2		
			5	TM/ID Sensor: FRONT Specular Reflection Sensor Output	CN4	1	TM/ID Sensor: REAR	
			6	TM/ID Sensor: 3.3V		5		
			7	TM/ID Sensor: GND		4		
			8	TM/ID Sensor: CENTER LED Drive	CN2	3	Proximity Sensor	
			9	TM/ID Sensor: CENTER Diffuse Reflection Sensor Output		2		
			10	TM/ID Sensor: CENTER Specular Reflection Sensor Output		1		
			11	TM/ID Sensor: 3.3V	CN3	5	Proximity Sensor	
			12	TM/ID Sensor: GND		4		
			13	TM/ID Sensor: REAR LED Drive		3		
14	TM/ID Sensor: REAR Diffuse Reflection Sensor Output	CN2	2	Proximity Sensor				
15	TM/ID Sensor: REAR Specular Reflection Sensor Output		1					
1	GND		6					
21	Harness ID.22	CN1	2	Sensor Signal	CN2	5	Proximity Sensor	CN1: With relay connector
			3	Sensor Power		4		
			4	Potiontimmer Clock		3		
			5	Potiontimmer Value Setting Signal	CN3	2	Proximity Sensor	
			6	Potiontimmer CS Signal		1		
			7	GND		6		
			8	Sensor Signal	CN2	5	Proximity Sensor	
			9	Sensor Power		4		
			10	Potiontimmer Clock		3		
			11	Potiontimmer Value Setting Signal	CN3	2	Proximity Sensor	
			12	Potiontimmer CS Signal		1		
			1	GND		12		
22	Proximity Sensor Board	CN1	2	Sensor Signal	CN3	11	Harness ID.21	
			3	Sensor Power		10		
			4	Potiontimmer Clock		9		
			5	Potiontimmer Value Setting Signal		8		
			6	Potiontimmer CS Signal		7		
			1	GND		6		
	Proximity Sensor Board	CN2	2	Sensor Signal		5		
			3	Sensor Power		4		
			4	Potiontimmer Clock		3		
			5	Potiontimmer Value Setting Signal		2		
			6	Potiontimmer CS Signal		1		

IM C2000/C2500 Harness Pin Assignment

Harness No.	Connector (From)			Signal Information	Connector (To)			Note	
	To Connector	Addr.	Pin		Addr.	Pin	To Connector		
23	Harness ID.1	CN1	-	N.C.	CN6	11	Fusing Drawer Harness ID.80 (100V) or Harness ID.81 (200V)		
			A1	Set Detection (P): GND		10			
			A2	Set Detection (G): GND		9			
			A3	Set Detection: NA		8			
			A4	Set Detection: EU		7			
			A5	Set Detection : Special Paper		6			
			-	N.C.		5			
			A6	New unit Detection Fuse		4			
			A7	New unit Detection Fuse: GND		3			
			-	N.C.		2			
			-	N.C.	1				
			-	N.C.	1				
			A8	Thermopile (edge)+5V	3	CN3	Thermopile (Edge)		
			A9	Thermopile (edge)/GND	2				
			A10	Thermopile (edge): FB	1				
			-	N.C.	4				
			A11	Thermopile (center)+5V	3	CN4	Thermopile (Center)		
			A12	Thermopile (center)/GND	2				
			A13	Thermopile (center): FB	1				
			A14	Fusing Exit SensorGND	3				
			A15	Fusing Exit SensorSensor Signal	2	CN2	Fusing Exit Sensor		
			A16	Fusing Exit Sensor+5V	1				
			A17	N.C.	-				-
			B1	N.C.	-				-
			B2	N.C.	-	-			
			B3	N.C.	-	-			
			B4	N.C.	-	-			
			B5	N.C.	-	-			
			-	N.C.	-	-			
			B6	Non-Contact Thermistor(Edge): Detection	13	CN5	Fusing Drawer Harness ID.80 (100V) or Harness ID.81 (200V)		
			B7	Non-Contact Thermistor(Edge): Compensation	12				
			B8	Non-Contact Thermistor(Edge)/GND	11				
			B9	Non-Contact Thermistor(Center): Detection	10				
			B10	Non-Contact Thermistor(Center): Compensation	9				
			B11	Non-Contact Thermistor(Center)/GND	8				
			B12	Pressure Thermistor: Full-Bleed Edge: FB	7				
			B13	Pressure Thermistor: Full-Bleed Edge/GND	6				
	B14	Pressure Thermistor: End: FB	5						
	B15	Pressure Thermistor: End/GND	4						
	B16	Pressure Thermistor: Center: FB	3	CN7	Fusing Drawer Harness ID.80 (100V) or Harness ID.81 (200V)				
	B17	Pressure Thermistor: Center/GND	2						
	Screw	T1	1						
	PSU (AC)	CN985	GND			1G			
			1 HT1 / N			6			
			2 HT2 / N			5			
			3 N.C.			2			
			4 HT1 / L (Reserved)			3			
5 HT2 / L	4								
24	INLET	INLET	L			T900		PSU (AC)	
			N	T901		PSU (AC)			
			E	T1		Screw			
25	PSU (AC)	CN988	1 PSU (AC): AC L 5V 24V	CN901	1	PSU (DC)			
			2 N.C.		2				
			3 PSU (AC): AC N 5V 24V		3				
26	PSU (AC)	CN989	1 Paper Feed Heater N	CN2	2	Paper Feed Heater			
			2 Bank Heater N	CN3	-	Bank Heater			
			3 N.C.						
			4 Paper Feed Heater L	CN2	1	Paper Feed Heater			
			5 Bank Heater L	CN3	1	Bank Heater			
	Harness ID.45 (OP)	CN4	1 PCU Anti-condensation Heater N	CN1	2	PCU Anti-condensation Heater			
2 PCU Anti-condensation Heater L			CN1	1	PCU Anti-condensation Heater				
27	Harness ID.46(OP)	CN1	1 Paper Feed Heater L	CN2	1	Paper Feed Heater			
			2 Paper Feed Heater N		2				
28	PSU (AC)	CN990	1 Anti-condensation Heater SW L	CN1	1	Anti-condensation Heater SW			
			2 Anti-condensation Heater SW N		CN2		1		
29	HVP:TTS		T1	T6	-	Image Transfer			
			T2	T7	-				
			T3	T8	-				
			T4	T9	-				
			T5	T10	-				
31	Imaging IOB	CN221	1 FFC Connection Detection	CN151	40	Paper Transport IOB			
			2 IOB Write		39				
			3 IOB Read		38				
			4 Paper Transport IOB Chip Select		37				
			5 GND		36				
			6 GND		35				
			7 Data Bus		34				
			8 Data Bus		33				
			9 Data Bus		32				
			10 Data Bus		31				
			11 Data Bus		30				
			12 Data Bus		29				
			13 Data Bus		28				
			14 Data Bus		27				
			15 GND		26				
			16 Addr. Bus		25				
			17 Addr. Bus		24				
			18 Addr. Bus		23				
			19 Addr. Bus		22				
			20 Addr. Bus		21				
			21 Addr. Bus		20				
			22 Addr. Bus		19				
			23 Addr. Bus		18				
			24 Addr. Bus		17				
			25 Addr. Bus		16				
			26 Addr. Bus		15				
			27 Addr. Bus		14				
			28 Addr. Bus		13				
			29 Addr. Bus		12				
			30 Addr. Bus		11				
			31 Addr. Bus		10				
			32 Addr. Bus		9				
			33 Addr. Bus		8				
			34 Addr. Bus		7				
			35 Addr. Bus		6				
			36 IOB Interruption		5				
			37 GND		4				
			38 IOB Start Check		3				
			39 Power On Reset		2				
			40 FFC Connection Detection		1				

IM C2000/C2500 Harness Pin Assignment

Harness No.	Connector (From)			Signal Information	Connector (To)			Note	
	To Connector	Addr.	Pin		Addr.	Pin	To Connector		
32	B/ICU	CN103	1	FFC Connection Detection	CN214	50	Imaging IOB		
			2	ID-TAG SDA Signal		49			
			3	ID-TAG SCL Signal		48			
			4	HST Sensor SDA Signal		47			
			5	HST Sensor SCL Signal		46			
			6	GND		45			
			7	Power On Reset Signal		44			
			8	IOB Start Detection Signal		43			
			9	GND		42			
			10	IOB2 Interruption		41			
			11	IOB1 Interruption		40			
			12	IOB Addr.20		39			
			13	IOB Addr.19		38			
			14	IOB Addr.18		37			
			15	IOB Addr.17		36			
			16	IOB Addr.16		35			
			17	IOB Addr.15		34			
			18	IOB Addr.14		33			
			19	IOB Addr.13		32			
			20	IOB Addr.12		31			
			21	IOB Addr.11		30			
			22	IOB Addr.10		29			
			23	IOB Addr.9		28			
			24	IOB Addr.8		27			
			25	GND		26			
			26	IOB Addr.7		25			
			27	IOB Addr.6		24			
			28	IOB Addr.5		23			
			29	IOB Addr.4		22			
			30	IOB Addr.3		21			
			31	IOB Addr.2		20			
			32	IOB Addr.1		19			
			33	IOB Addr.0		18			
			34	GND		17			
			35	IOB Data 31		16			
			36	IOB Data 30		15			
			37	IOB Data 29		14			
			38	IOB Data 28		13			
			39	IOB Data 27		12			
			40	IOB Data 26		11			
			41	IOB Data 25		10			
			42	IOB Data 24		9			
			43	GND		8			
			44	GND		7			
			45	IOB2 Chip Select		6			
			46	IOB1 Chip Select		5			
			47	IOB Read Write Signal (L:Write)		4			
			48	IOB Read Signal		3			
			49	IOB Write Strobe Signal		2			
			50	FFC Connection Detection		1			
33	Harness ID.9	CN1	1	ITB New Unit Detection: GND	T1		Screw	CN1: With relay connector	
			2	ITB New Unit Detection: Signal	T2				Screw
41	PSU (AC)	CN998	1	PSU(AC): AC L HUHT	CN920	1	DHB	Heater Option Harness 100V	
			2	N.C.		2			
			3	PSU(AC): AC N HUHT		3			
42	PSU (AC)	CN998	1	PSU(AC): AC L HUHT	CN920	1	DHB	Heater Option Harness 200V	
			2	N.C.		2			
			3	PSU(AC): AC N HUHT		3			
44	PSU (AC)	CN999	1	+24V Interlock Power	CN930	1	DHB	Heater Option Harness	
			2	Anti-condensation Heater Relay Trigger Signal		2			
			3	GND		3			
46	DHB	CN921	1	Paper Feed Heater N	CN1	2	Harness ID.27	Heater Option Harness	
			2	Bank Heater N	CN2	2	Bank Heater		
			3	N.C.	-	-	-		
			4	Paper Feed Heater L	CN1	1	Harness ID.27		
			5	Bank Heater L	CN2	1	Bank Heater		
47	DHB	CN921	1	Scanner Heater N	CN1	2	Scanner Heater	Heater Option Harness	
			2	PCU Anti-condensation Heater N	CN2	2	PCU Anti-condensation Heater		
			3	Scanner Heater L	CN1	1	Scanner Heater		
			4	PCU Anti-condensation Heater L	CN2	1	PCU Anti-condensation Heater		
48	Harness ID.2	CN1	1	Key Counter: GND	CN2	1	Key Counter	Option Harness	
			2	Key Counter: Set Detection		2			
			3	Key Counter: For Optional Counter: +24V		3			
			4	Key Counter: CTRL		4			
55	Harness ID.1	CN1	1	Registration Sensor: GND	CN2	3	Registration Sensor	CN1: With relay connector	
			2	Registration Sensor: Sensor Signal		2			
			3	Registration Sensor: +5V		1			
56	Harness ID.1 & Harness ID.5	CN1	1	Pick-up Solenoid: Terminal1 (+24VS2)	CN6	2	N.C.	-	
			2	Pick-up Solenoid: Terminal2 (PWM)		1			
			3	N.C.		-			
			4	N.C.		-			
			5	N.C.		-			
			6	Transport Sensor: GND	CN3	3	Transport Sensor		
			7	Transport Sensor: Sensor Signal		2			
			8	Transport Sensor: +5V		1			
			9	Paper End Sensor: GND	CN4	3	Paper End Sensor		
			10	Paper End Sensor: Sensor Signal		2			
			11	Paper End Sensor: +5V		1			
			12	Upper Limit Sensor: GND	CN5	3	Upper Limit Sensor		
			13	Upper Limit Sensor: Sensor Signal		2			
			14	Upper Limit Sensor: +5V		1			
57	Harness ID.1	CN1	1	PTR Open/Close LED: CTRL	CN3	2	PTR Open/Close LED	CN11: With relay connector	
			2	PTR Open/Close LED: +5V		1			
			3	Fusing Entrance Sensor: GND	CN2	3	Fusing Entrance Sensor		
			4	Fusing Entrance Sensor: Sensor Signal		2			
			5	Fusing Entrance Sensor: +5V		1			
58	Harness ID.1	CN1	1	Bypass/Duplex Motor: ENC: A Phase	CN3	8	Bypass/Duplex Motor	CN41: With relay connector	
			2	Bypass/Duplex Motor: ENC: B Phase		7			
			3	Bypass/Duplex Motor: +5V		6			
			4	Bypass/Duplex Motor: CW/CCW (Low)		5			
			5	Bypass/Duplex Motor: PWM		4			
			6	Bypass/Duplex Motor: Brake (Low)		3			
			7	Bypass/Duplex Motor: GND		2			
			8	Bypass/Duplex Motor: +24VS2		1			
			9	Duplex Entrance Sensor: GND		CN4			5
			10	Duplex Entrance Sensor: Sensor Signal	4				
			11	Duplex Entrance Sensor: +5V	3				
			12	Duplex Exit Sensor: GND	CN6	3	Duplex Exit Sensor		
			13	Duplex Exit Sensor: Sensor Signal		2			
			14	Duplex Exit Sensor: +5V		1			
			15	Duplex Guide Plate Open/Close Sensor: SW Terminal2 (GND)	CN5	2	Duplex Guide Plate Open/Close Sensor		
			16	Duplex Guide Plate Open/Close Sensor: SW Terminal1		1			
			17	N.C.		-			
			18	N.C.		-			
59	Harness ID.58	CN1	1	Duplex Entrance Sensor: GND	CN2	3	Duplex Entrance Sensor		
			2	Duplex Entrance Sensor: Sensor Signal		2			
			3	Duplex Entrance Sensor: +5V		1			
			4	N.C.		-			
			5	N.C.		-			

IM C2000/C2500 Harness Pin Assignment

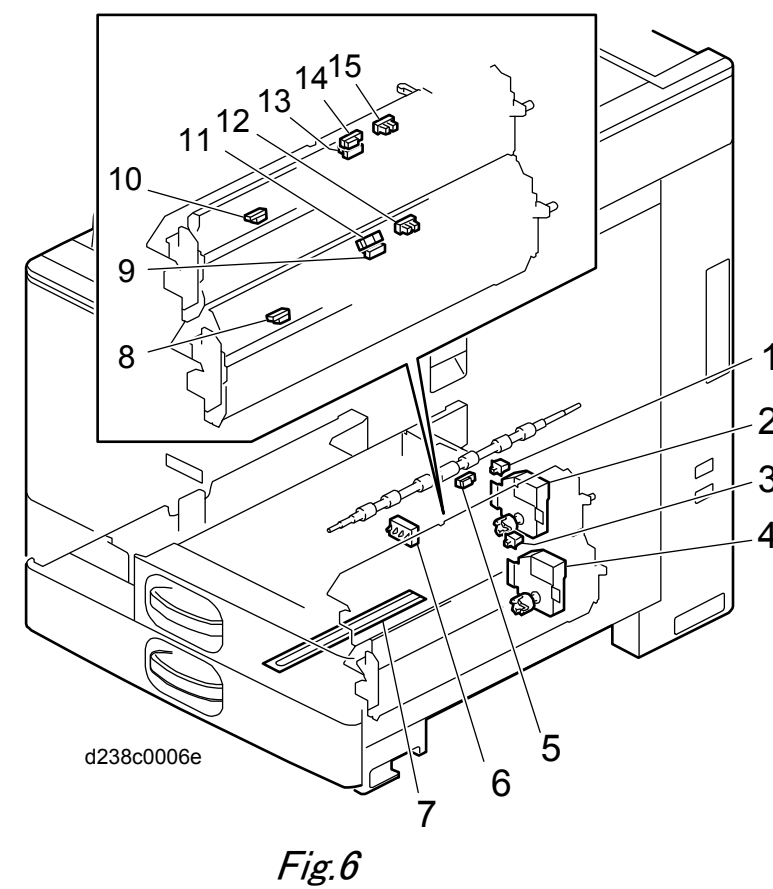
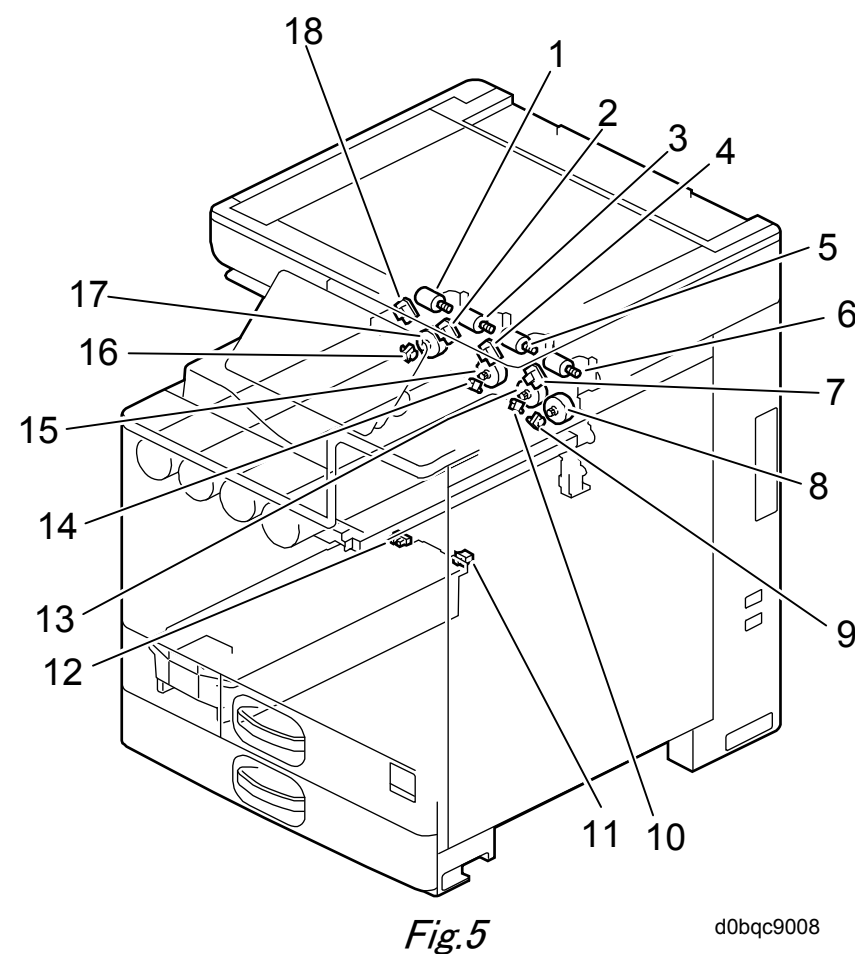
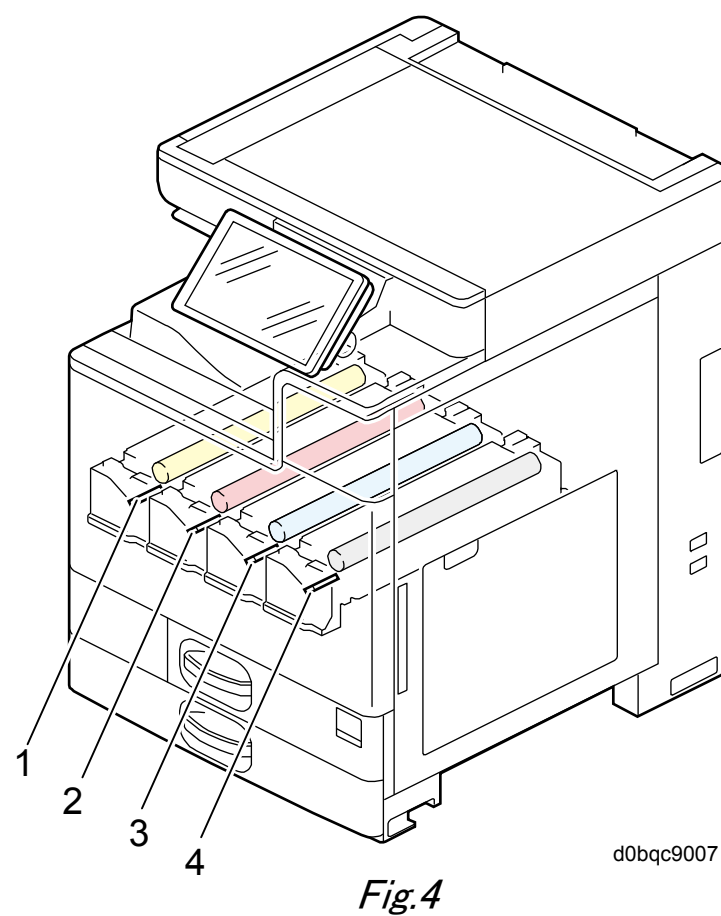
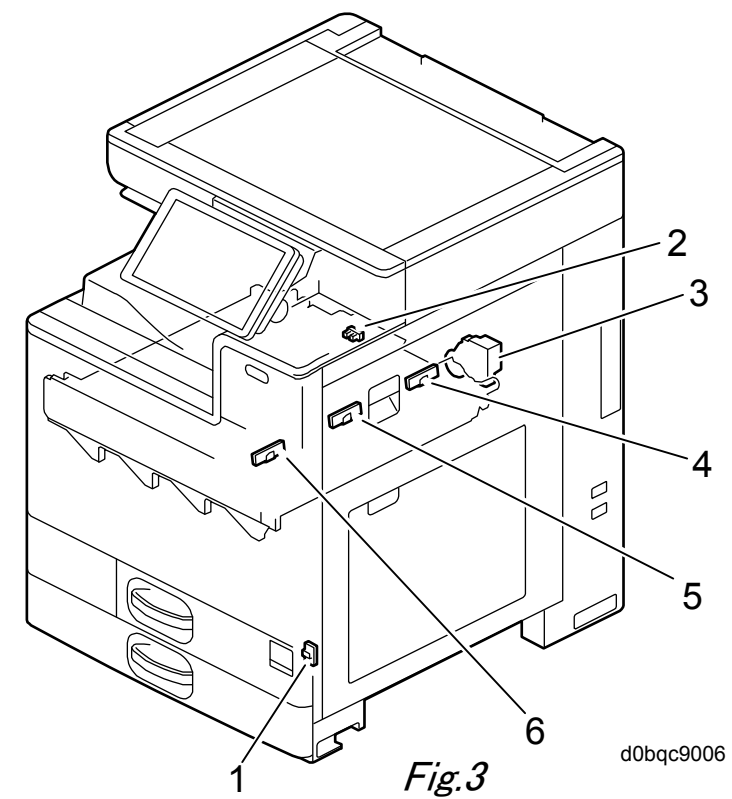
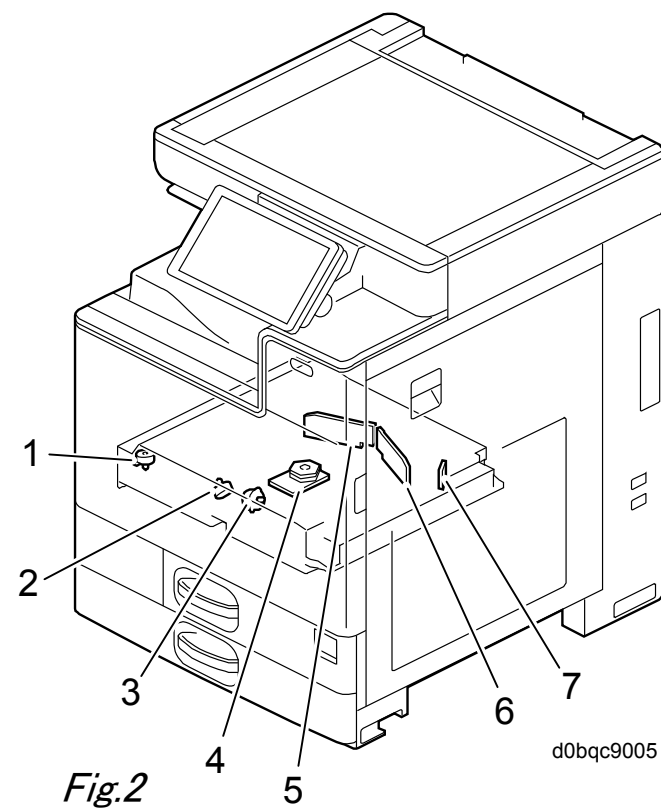
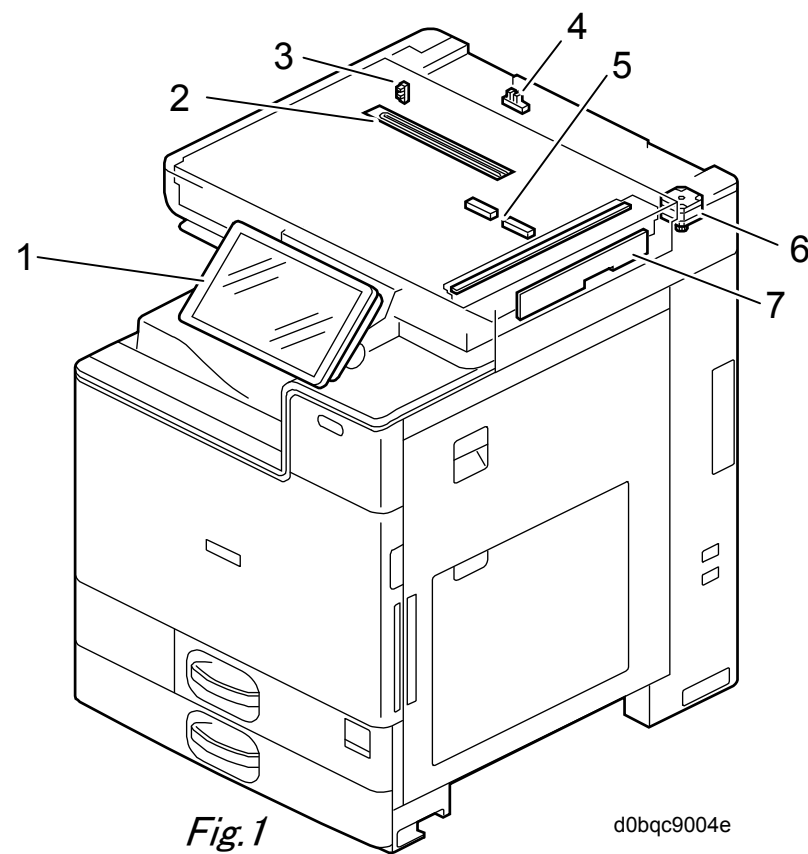
Harness No.	Connector (From)			Signal Information	Connector (To)			Note	
	To Connector	Addr.	Pin		Addr.	Pin	To Connector		
60	Harness ID.1	CN1	1	Bypass Pick-up Solenoid: Terminal 2 (PWM)	CN2	5	Harness ID.61		
			2	Bypass Pick-up Solenoid: Terminal 1 (+24VS2)		4			
			3	Bypass Paper End Sensor: GND		3			
			4	Bypass Paper End Sensor: Sensor Signal		2			
			5	Bypass Paper End Sensor: +5VE		1			
			6	N.C.	-	-	Harness ID.62		
			7	Bypass Length Sensor: Set Detection	CN3	9			
			8	Bypass Length Sensor: GND		8			
			9	Bypass Length Sensor: Sensor Signal		7			
			10	Bypass Length Sensor: 3.3V		6			
			11	N.C.	-	-			
			12	Bypass Width Sensor: GND	CN3	5			
			13	Bypass Width Sensor: Sensor Signal		4			
			14	Bypass Width Sensor: +5V		3			
			-	N.C.		2			
			-	N.C.		1			
61	Harness ID.60	CN1	1	Bypass Pick-up Solenoid: Terminal 2 (PWM)	CN2	3	Bypass Pick-up Solenoid	CN11: With relay connector	
			-	N.C.		2			
			2	Bypass Pick-up Solenoid: Terminal 1 (+24VS2)	CN3	1	Bypass Paper End Sensor		
			3	Bypass Paper End Sensor: GND		3			
			4	Bypass Paper End Sensor: Sensor Signal		2			
5	Bypass Paper End Sensor: +5V	1							
62	Harness ID.60	CN1	1	Bypass Length Sensor: Set Detection	CN2	1	Bypass Length Sensor	CN11: With relay connector	
			2	Bypass Length Sensor: GND		2			
			3	Bypass Length Sensor: Sensor Signal		3			
			4	Bypass Length Sensor: 3.3V		4			
			5	Bypass Width Sensor: GND	CN3	3	Bypass Width Sensor		
			6	Bypass Width Sensor: Sensor Signal		2			
			7	Bypass Width Sensor: +5V		1			
			8	N.C.		-			-
			9	N.C.	-	-	-		
63	Harness ID.1	CN1	1	Paper Exit Solenoid: Terminal 1 (+24VS2)	CN2	2	Paper Exit Solenoid	CN2, CN31: With relay connector	
			2	Paper Exit Solenoid: Terminal 2 (PWM)		1			
			3	Reverse Sensor: GND	CN4	3	Reverse Sensor		
			4	Reverse Sensor: Sensor Signal		2			
			5	Reverse Sensor: +5V		1			
			6	Paper Exit Sensor: GND	CN5	3	Paper Exit Sensor		
			7	Paper Exit Sensor: Sensor Signal		2			
			8	Paper Exit Sensor: +5V		1			
			9	N.C.	-	-	-		
			10	N.C.	-	-	-		
			11	N.C.	-	-	-		
			12	Reverse Motor: XB Phase	CN3	4	Reverse Motor		
			13	Reverse Motor: B Phase		3			
			14	Reverse Motor: XA Phase		2			
			15	Reverse Motor: A Phase		1			
67	Harness ID.14	CN1	1	PCU: TD Sensor: SCL	CN2	1	TD Sensor		
			2	PCU: TD Sensor: SDA		2			
			3	PCU: TD Sensor: SEL		3			
			4	PCU: TD Sensor: Power		4			
			5	PCU: TD Sensor: Output		5			
			6	PCU: GND		6			
68	BiCU	CN579	8	DATA3 K N	CN1	1	Harness ID.72	CN1、CN2、CN3、CN41: With relay connector	
			7	DATA3 K		2			
			6	DATA4 K N		3			
			5	DATA4 K		4			
			4	DATA1 K N		5			
			3	DATA1 K		6			
	2	DATA2 K N	7						
	1	DATA2 K	8						
	BiCU	CN588	11	DROPEN	CN2	1			
			10	ERR KC N		2			
			9	APC KC N		3			
			8	GND		4			
			7	SYCLK KC		5			
			6	SYCS KC N		6			
			5	SYDI KC		7			
			4	SYDO KC		8			
			3	+5VS		9			
			2	+5VS		10			
	1	GND	11						
	-	N.C.	12						
	BiCU	CN589	-	GND	CN2	13			
			9	SYCLK YM		14			
			8	SYCS YM N		15			
			7	SYDI YM		16			
			6	SYDO YM		17			
			5	ERR YM N		18			
			4	APC YM N		19			
			3	+5VS		20			
			2	+5VS		21			
			1	GND		22			
	BiCU	CN587	-	N.C.	CN3	1			Harness ID.71
			-	N.C.		2			
			-	N.C.		3			
			8	K: Sync GND		4			
			7	K: Sync VCC		5			
			6	K: Sync Signal		6			
5			Polygon Mirror Motor CLOCK	7					
4			Polygon Mirror Motor READY	8					
3			Polygon Mirror Motor ON	9					
2			Polygon Mirror Motor GND	10					
1	Polygon Mirror Motor DV24V	11							
Imaging IOB	CN220	15	Laser Optics Positioning Motor(G): A Phase	CN4	1	Harness ID.71			
		14	Laser Optics Positioning Motor(G): B Phase		2				
		13	+24V		3				
		12	Laser Optics Positioning Motor(G): /B Phase		4				
		11	Laser Optics Positioning Motor(G): /A Phase		5				
		10	Laser Optics Positioning Motor(M): A Phase		6				
		9	Laser Optics Positioning Motor(M): B Phase		7				
		8	+24V		8				
		7	Laser Optics Positioning Motor(M): /B Phase		9				
		6	Laser Optics Positioning Motor(M): /A Phase		10				
		5	Laser Optics Positioning Motor(Y): A Phase		11				
		4	Laser Optics Positioning Motor(Y): B Phase		12				
		3	+24V		13				
		2	Laser Optics Positioning Motor(Y): /B Phase		14				
		1	Laser Optics Positioning Motor(Y): /A Phase		15				

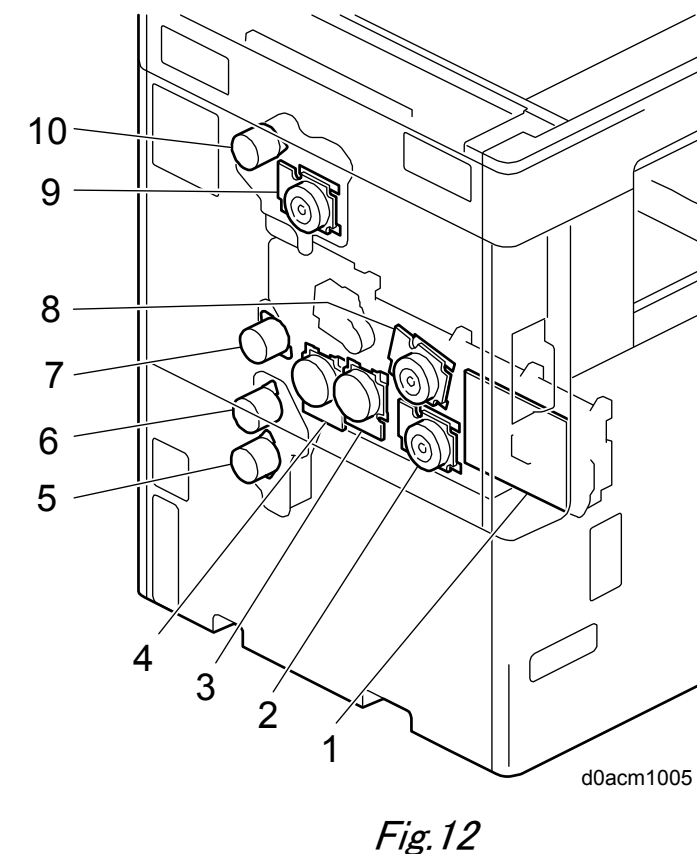
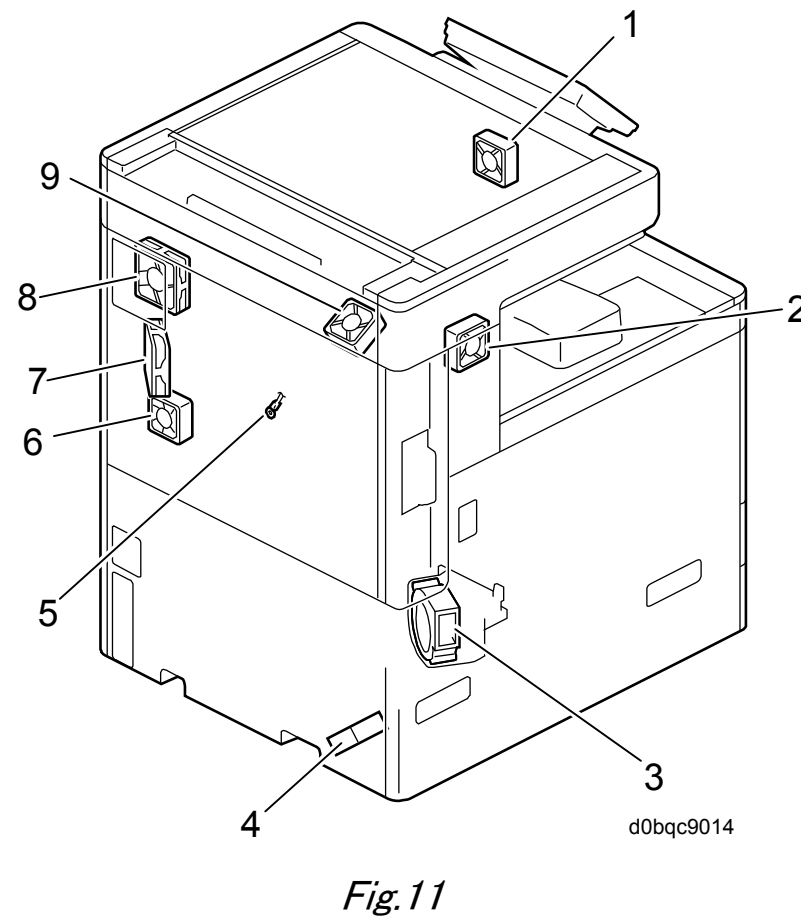
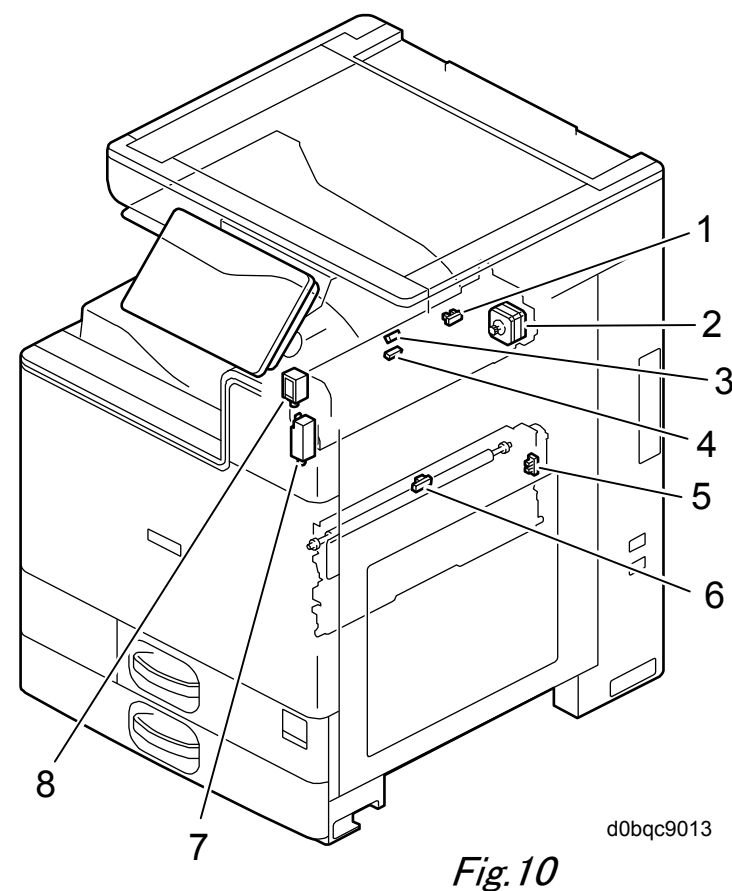
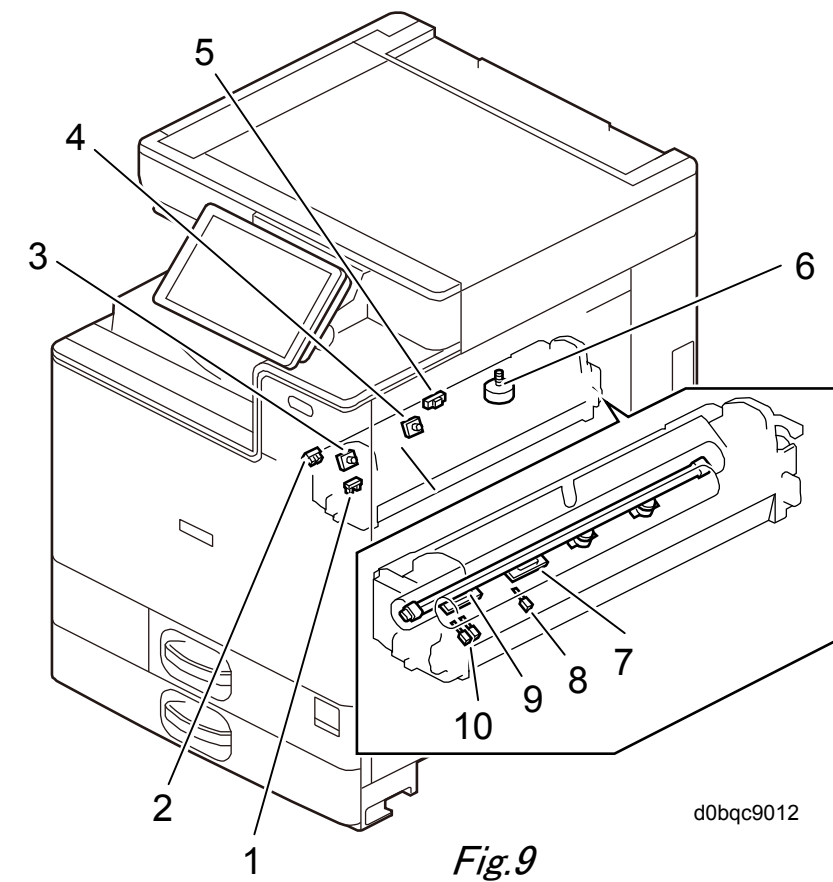
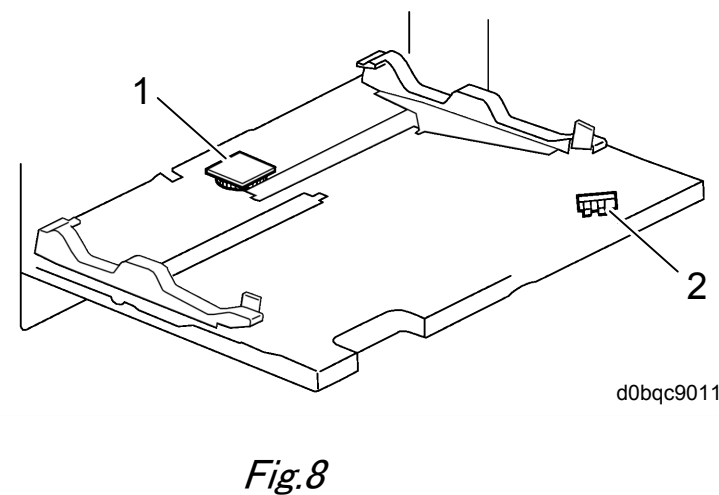
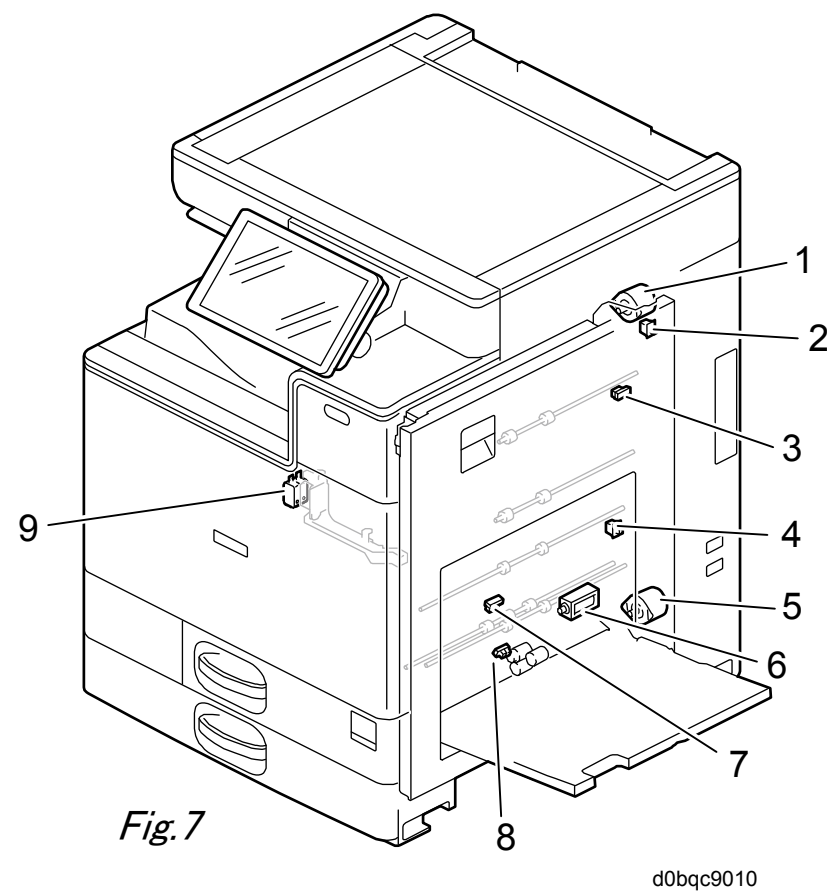
IM C2000/C2500 Harness Pin Assignment

Harness No.	Connector (From)			Signal Information	Connector (To)			Note			
	To Connector	Addr.	Pin		Addr.	PIn	To Connector				
71	Harness ID.68	CN13	11	N.C.	-	-	-				
			10	N.C.	-	-	-				
			9	N.C.	-	-	-				
			8	K: Sync GND	CN2	1	Sync Detection K				
			7	K: Sync VCC		2					
			6	K: Sync Signal		3					
			5	Polygon Mirror Motor CLOCK	CN3	1	Polygon Mirror Motor				
			4	Polygon Mirror Motor READY		2					
			3	Polygon Mirror Motor QN		3					
			2	Polygon Mirror Motor GND		4					
			1	Polygon Mirror Motor DV24V		5					
	Harness ID.68	CN220	15	Laser Optics Positioning Motor(C): A Phase	CN6	1	Laser Optics Positioning Motor(C)				
			14	Laser Optics Positioning Motor(C): B Phase		2					
			13	+24VSK		3					
			12	Laser Optics Positioning Motor(C):/B Phase		4					
			11	Laser Optics Positioning Motor(C):/A Phase	CN5	5	Laser Optics Positioning Motor(M)				
			10	Laser Optics Positioning Motor(M): A Phase		1					
			9	Laser Optics Positioning Motor(M): B Phase		2					
			8	+24VSK		3					
			7	Laser Optics Positioning Motor(M):/B Phase	CN4	4	Laser Optics Positioning Motor(Y)				
			6	Laser Optics Positioning Motor(M):/A Phase		5					
			5	Laser Optics Positioning Motor(Y): A Phase		1					
			4	Laser Optics Positioning Motor(Y): B Phase		2					
			3	+24VSK		3					
			2	Laser Optics Positioning Motor(Y):/B Phase		4					
			1	Laser Optics Positioning Motor(Y):/A Phase		5					
72	Harness ID.68	CN11	8	DATA K N	CN1	1	LDB:KC				
			7	DATA K		2					
			6	DATA C N		3					
			5	DATA C	CN3	4	LDB:YM				
			4	DATA Y N		1					
			3	DATA Y		2					
			2	DATA M N		3					
			1	DATA M		4					
		-	N.C.	-	5	CN2	1		LDB:KC		
		11	DROPEN	2							
		10	ERR KC N	3							
		9	APC KC N	4							
		8	GND	5							
		7	SYCLK KC	6							
		6	SYCS KC N	7							
		5	SYDI KC	8							
		4	SYDO KC	9							
		3	+5VS	10							
		2	+5VS	11							
		1	GND	-	1		CN4			2	LDB:YM
		22	N.C.	3							
		21	GND	4							
		20	SYCLK YM	5							
		19	SYCS YM N	6							
		18	SYDI YM	7							
		17	SYDO YM	8							
		16	ERR YM N	9							
		15	APC YM N	10							
		14	+5VS	11							
		13	+5VS	-	1	CN562			50	SBU	
		12	GND	2	49						
		1	Serial CS	3	48						
2	Serial TX Data	4	47								
3	Serial CLOCK	5	46								
4	GND	6	45								
5	White Board Erea Signal	7	44								
6	Effective Original Erea	8	43								
7	GND	9	42								
8	LED Control	10	41								
9	LED Light	11	40								
10	GND	12	39								
11	24V	13	38								
12	24V	14	37								
13	24V	15	36								
14	GND	16	35								
15	GND	17	34								
16	GND	18	33								
17	6V	19	32								
18	6V	20	31								
19	GND	21	30								
20	10V	22	29								
21	10V	23	28								
22	GND	24	27								
23	3.3V	25	26								
24	3.3V	26	25								
25	3.3V	27	24								
26	3.3V	28	23								
27	GND	29	22								
28	GND	30	21								
29	GND	31	20								
30	GND	32	19								
31	GND	33	18								
32	LVDS Data E(+)	34	17								
33	LVDS Data E(-)	35	16								
34	GND	36	15								
35	LVDS Data D(+)	37	14								
36	LVDS Data D(-)	38	13								
37	GND	39	12								
38	LVDS Transfer clk(+)	40	11								
39	LVDS Transfer clk(-)	41	10								
40	GND	42	9								
41	LVDS Data C(+)	43	8								
42	LVDS Data C(-)	44	7								
43	GND	45	6								
44	LVDS Data B(+)	46	5								
45	LVDS Data B(-)	47	4								
46	GND	48	3								
47	LVDS Data A(+)	49	2								
48	LVDS Data A(-)	50	1								
49	GND										
50	Serial RX Data										
76	BiCU	CN318	1	GND	CN1	3	Scanner Home Position Sensor				
			2	HPS SENS		2					
			3	+5V		1					
			4	GND	CN2	3	ADF/Platen Cover Sensor				
			5	XAKS		2					
			6	5VE AKS		1					
77	BiCU	CN313	1	GND	CN1	3	Auto Paper Size(APS) Sensor/A				
			2	APS1_V		2					
			3	VCC APS		1					
			4	GND	CN2	3	Auto Paper Size(APS) Sensor/B				
			5	APS2_V		2					
			6	VCC APS		1					
			7	N.C.		-			-		

IM C2000/C2500 Harness Pin Assignment

Harness No.	Connector (From)			Signal Information	Connector (To)			Note						
	To Connector	Addr.	Pin		Addr.	Pin	To Connector							
78	BICU	CN314	2 - 1 4 - 3	B N.C. B A N.C. A	CN1	1 2 3 4 5 6	Scanner Motor							
80	Harness ID 23	CN1	1 2 3 4 5 6	GND N.C. HT1/L HT2/L HT2/N HT1/N	T1 - T3 T4 CN8	- - - - 1 2	Screw - Screw Screw Heating Roller: End Heating Roller: Center	CN4, CN5, CN6, CN71: With relay connector						
		CN2	1 2 3 4 5 6 7 8 9 10 11 12 13	Pressure Thermistor: CenterGND Pressure Thermistor: Center: FB Pressure Thermistor: EndGND Pressure Thermistor: End: FB Pressure Thermistor: Full-Bleed EdgeGND Pressure Thermistor: Full-Bleed Edge: FB Non-Contact Thermistor(Center)GND Non-Contact Thermistor(Center): Compensation Non-Contact Thermistor(Center): Detection Non-Contact Thermistor(Edge)GND Non-Contact Thermistor(Edge): Compensation Non-Contact Thermistor(Edge): Detection N.C.	CN4 - - - CN5 - - - - - - - -	2 1 4 3 2 1 5 4 3 2 1 -	Pressure Thermistor: Center - Pressure Thermistor: End/2 Pressure Thermistor: Full-Bleed Edge Non-Contact Thermistor(Center) Non-Contact Thermistor(Edge)							
			CN3	1 2 3 4 5 6 7 8 9 10 11	N.C. N.C. New unit Detection Fuse: GND New unit Detection Fuse N.C. N.C.(Set Detection: Special Paper) N.C.(Set Detection: 200V) Set Detection: 100V N.C.(Set Detection (P): GND) N.C.	- - CN7 - - - - CN3 - - -	- - 2 1 - - - 9 - - -		- - New unit Detection Fuse - Set Detection: 100V Model (Short-Circuit) - -					
				CN1	1 2 3 4 5 6	GND N.C. HT1/L HT2/L HT2/N HT1/N	T1 - T3 T4 CN8		- - - - 1 2	Screw - Screw Screw Heating Roller: End Heating Roller: Center				
					CN2	1 2 3 4 5 6 7 8 9 10 11 12 13	Pressure Thermistor: CenterGND Pressure Thermistor: Center: FB Pressure Thermistor: EndGND Pressure Thermistor: End: FB Pressure Thermistor: Full-Bleed EdgeGND Pressure Thermistor: Full-Bleed Edge: FB Non-Contact Thermistor(Center)GND Non-Contact Thermistor(Center): Compensation Non-Contact Thermistor(Center): Detection Non-Contact Thermistor(Edge)GND Non-Contact Thermistor(Edge): Compensation Non-Contact Thermistor(Edge): Detection N.C.		CN4 - - - CN5 - - - - - - - -	2 1 4 3 2 1 6 5 4 3 2 1 -	Pressure Thermistor: Center - Pressure Thermistor: End/2 Pressure Thermistor: Full-Bleed Edge Non-Contact Thermistor(Center) Non-Contact Thermistor(Edge)			
						CN3	1 2 3 4 5 6 7 8 9 10 11		N.C. N.C. New unit Detection Fuse: GND New unit Detection Fuse N.C. N.C.(Set Detection: Special Paper) Set Detection: 200V N.C.(Set Detection: 100V) N.C.(Set Detection (P): GND) N.C.	- - CN7 - - - - CN3 - - -	- - 2 1 - - - 9 - - -	- - New unit Detection Fuse - Set Detection: 200V Model (Short-Circuit) - -		
82	CTL						CN1		1 2 3 4 5 6 7 8 9 10 11 12 13 14	VBUS USB D- USB D+ GND MicB SSTX- MicB SSTX+ GND DRAIN MicB SSRX- MicB SSRX+ ID	CN2	1 2 3 4 5 6 7 8 9 10 4	Operation Panel	
83	CTL						CN512		1 2 3 4 5 6 7	GND HDD Signal: TXP HDD Signal: TXM GND HDD Signal: RXM HDD Signal: RXP GND	CN	1 2 3 4 5 6 7	HDD	
84	CTL						CN514		1 2 3	GND 5V HDD Detection Signal	CN	3 2 1	HDD	
85	SBU						CN350		1 2 3 4 5 6 7 8 9 10 11 12 13	LED1 - 5 Drive LED6 - 10 Drive LED11 - 15 Drive LED16 - 20 Drive LED21 - 25 Drive LED26 - 30 Drive LED31 - 35 Drive LED36 - 40 Drive LED41 - 45 Drive LED46 - 50 Drive Diagonal Insertion Parts Fault Prevention LED Drive Power LED Drive Power	CN	13 12 11 10 9 8 7 6 5 4 3 2 1	LEDB	
86	CTL						CN1		1 2 3 4 5 6 7 8 9 10 11	+5VX LPS +5VX LPS +5VX LPS SC672ERR1 SC672 DET SCR EN N GND GND GND ENG NFC REG N SDMODE	CN2	1 2 3 4 5 6 7 8 9 10 11	Operation Panel	





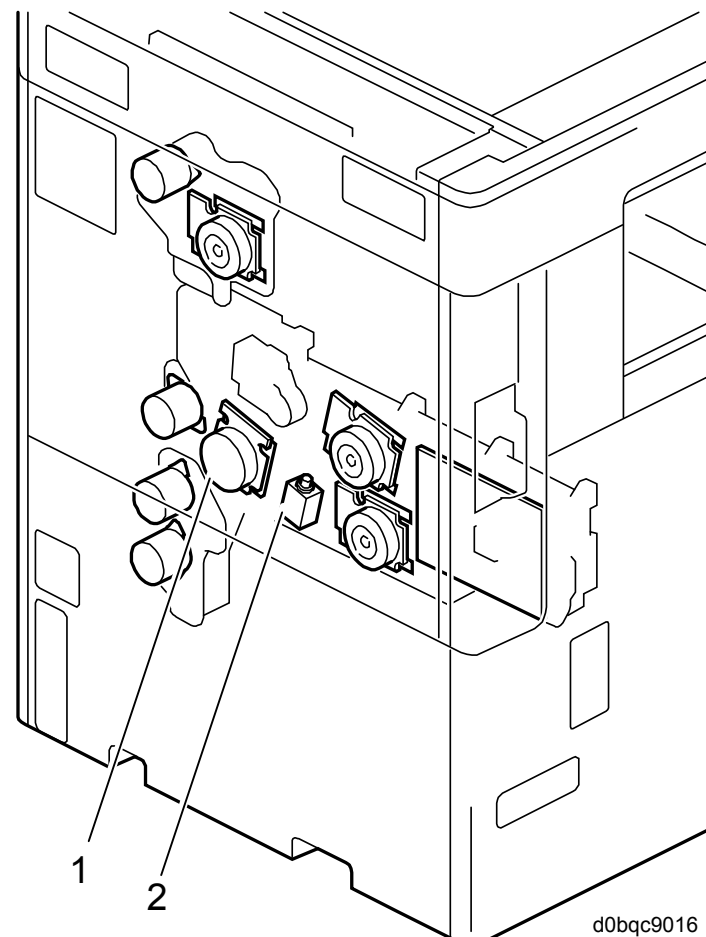


Fig. 13

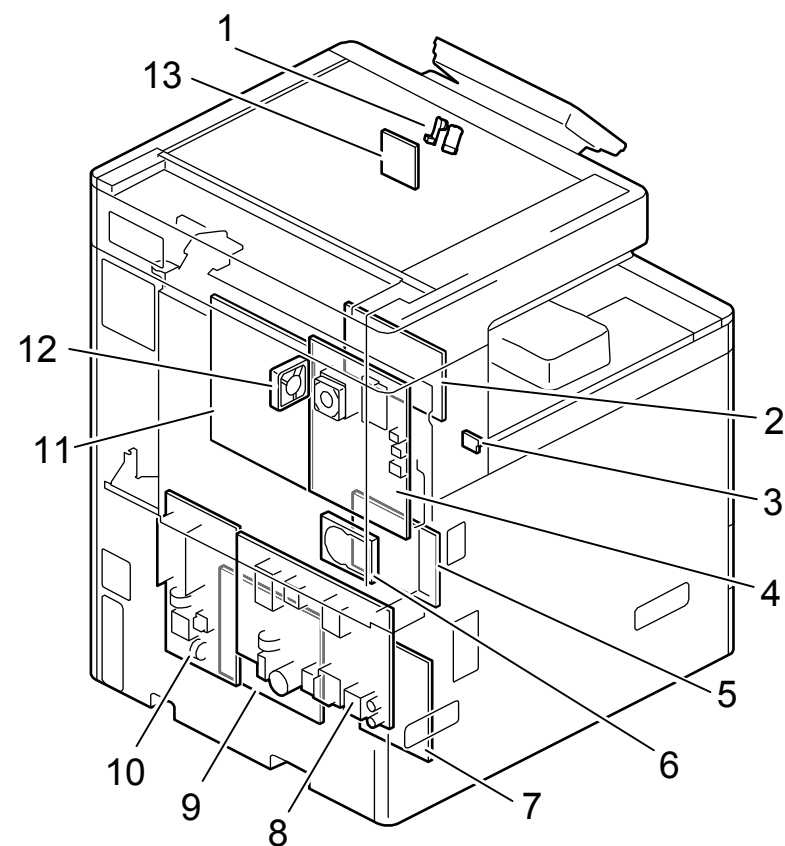


Fig. 14

Symbol	Index No.	Description	for	P to P
Sensors				
S1	Fig.10-6	Fusing Entrance Sensor	ab/cde/yz	1-A1
S2	Fig.10-5	PTR Open/Close Sensor	ab/cde/yz	1-A1
S3	Fig.7-7	Duplex Exit Sensor	ab/cde/yz	1-B1
S4	Fig.7-4	Duplex Guide Plate Open/Close Sensor	ab/cde/yz	1-B1
S5	Fig.7-3	Duplex Entrance Sensor	ab/cde/yz	1-B1
S6	Fig.7-8	Bypass Paper End Sensor	ab/cde/yz	1-C1
S7	Fig.8-2	Bypass Length Sensor	ab/cde/yz	1-C1
S8	Fig.8-1	Bypass Width Sensor	ab/cde/yz	1-C1
S9	Fig.10-3	Reverse Sensor	ab/cde/yz	1-C1
S10	Fig.10-4	Paper Exit Sensor	ab/cde/yz	1-C1
S11	Fig.10-1	Paper Exit Full Sensor	ab/cde	1-D1
S12	Fig.6-10	Paper Feed Sensor (1st Feed Tray)	ab/cde	1-D1
S13	Fig.6-13	Transport Sensor (1st Feed Tray)	ab/cde/yz	1-D1
S14	Fig.6-14	Paper End Sensor (1st Feed Tray)	ab/cde/yz	1-D1
S15	Fig.6-15	Upper Limit Sensor (1st Feed Tray)	ab/cde/yz	1-E1
S16	Fig.6-5	Registration Sensor	ab/cde/yz	1-F1
S17	Fig.7-2	Right Door Open/Close Sensor	ab/cde/yz	1-F1
S18	-	Tray lift Sensor (1st Feed Tray)	ab/cde/yz	1-A5
S19	Fig.6-1	Tray Set Sensor (1st Feed Tray)	ab/cde/yz	1-A5
S20	-	Tray lift Sensor (2nd Feed Tray)	ab/cde/yz	1-A5
S21	Fig.6-3	Tray Set Sensor (2nd Feed Tray)	ab/cde/yz	1-B5
S22	Fig.6-8	Paper Feed Sensor (2nd Feed Tray)	ab/cde	1-B5
S23	Fig.6-9	Transport Sensor (2nd Feed Tray)	ab/cde/yz	1-B5
S24	Fig.6-11	Paper End Sensor (2nd Feed Tray)	ab/cde/yz	1-B5
S25	Fig.6-12	Upper Limit Sensor (2nd Feed Tray)	ab/cde/yz	1-C5
S26	Fig.9-1	Pressure Roller HP Sensor	ab/cde/yz	1-E5
S27	Fig.9-5	Fusing Exit Sensor	ab/cde/yz	1-F5
S28	Fig.5-9	Toner End Sensor(Bk)	ab/cde/yz	1-B7
S29	Fig.5-10	Toner End Sensor(C)	ab/cde/yz	1-B7
S30	Fig.5-14	Toner End Sensor(M)	ab/cde/yz	1-C7
S31	Fig.5-16	Toner End Sensor(Y)	ab/cde/yz	1-C7
S32	Fig.3-2	ITB Contact and Release Sensor	ab/cde/yz	1-C7
S33	Fig.11-5	Imaging Temperature Sensor(Thermistor)	ab/cde/yz	1-C7
S34	Fig.5-12	Waste Toner Bottle Full Sensor	ab/cde/yz	1-E7
S35	Fig.5-11	Waste Toner Bottle Set Sensor	ab/cde/yz	1-E7
S36	-	Paper Transfer Contact and Release Sensor	ab/cde/yz	1-E7
S37	Fig.4-4	TD Sensor (Bk)	ab/cde/yz	1-F8
S38	Fig.4-3	TD Sensor (C)	ab/cde/yz	1-G8
S39	Fig.4-2	TD Sensor (M)	ab/cde/yz	1-G8
S40	Fig.4-1	TD Sensor (Y)	ab/cde/yz	1-G8
S41	Fig.3-1	Temperature and Humidity Sensor	ab/cde/yz	1-A10
S42	Fig.1-3	Scanner Home Position Sensor	ab/cde/yz	2-A3
S43	Fig.1-4	ADF/Platen Cover Sensor	ab/cde/yz	2-A3
S44	Fig.1-5	Auto Paper Size(APS) Sensor B	ab/cde/yz	2-A3
S45	Fig.1-5	Auto Paper Size(APS) Sensor A	ab/cde/yz	2-B3
S46	Fig.9-7	Non-Contact Thermistor(Center)	ab/cde/yz	2-D10
S47	Fig.9-9	Non-Contact Thermistor(Edge)	ab/cde/yz	2-E10
S48	Fig.3-4	TWID Sensor(Rear)	ab/cde/yz	2-E6
	Fig.3-5	TWID Sensor(Center)		
	Fig.3-6	TWID Sensor(Front)		
S49	Fig.14-1	Proximity Sensor	ab/cde/yz	2-D2
S50	Fig.9-2	Shield Positioning Sensor	cde	1-G5

Symbol	Index No.	Description	for	P to P
Motors				
M1	Fig.7-1	Duplex Entrance Motor	ab/cde/yz	1-A1
M2	Fig.7-5	Bypass/Duplex Motor	ab/cde/yz	1-B1
M3	Fig.10-2	Reverse Motor	ab/cde/yz	1-D1
M4	Fig.12-10	Paper Exit/Pressure Release Motor	ab/cde/yz	1-E1
M5	Fig.12-6	Transport Motor	ab/cde/yz	1-E1
M6	Fig.12-5	Paper Feed Motor	ab/cde/yz	1-E1
M7	Fig.12-7	Registration Motor	ab/cde/yz	1-E1
M8	Fig.12-9	Fusing Motor	ab/cde/yz	1-F1
M9	Fig.6-2	Lift Motor (1st Feed Tray)	ab/cde/yz	1-A5
M10	Fig.6-4	Lift Motor (2nd Feed Tray)	ab/cde/yz	1-A5
M11	Fig.5-6	Toner Bottle Drive Motor(Bk)	ab/cde/yz	1-A7
M12	Fig.5-5	Toner Bottle Drive Motor(C)	ab/cde/yz	1-A7
M13	Fig.5-3	Toner Bottle Drive Motor(M)	ab/cde/yz	1-A7
M14	Fig.5-1	Toner Bottle Drive Motor(Y)	ab/cde/yz	1-A7
M15	Fig.12-8	PCU Motor: CMY	ab/cde/yz	1-D7
M16	Fig.12-2	Development Motor:CMY	ab/cde/yz	1-D7
M17	Fig.12-4 Fig.13-1	PCU: Black / Image Transfer Motor	ab/cde/yz	1-D7
M18	Fig.3-3	Paper Transfer Contact and Release Motor	ab/cde/yz	1-E7
M19	Fig.5-8	Toner Supply Motor(Bk)	ab/cde/yz	1-A10
M20	Fig.5-13	Toner Supply Motor(C)	ab/cde/yz	1-B10
M21	Fig.5-15	Toner Supply Motor(M)	ab/cde/yz	1-B10
M22	Fig.5-17	Toner Supply Motor(Y)	ab/cde/yz	1-B10
M23	Fig.2-1	Laser Optics Positioning Motor(Y)	ab/cde/yz	1-C10
M24	Fig.2-2	Laser Optics Positioning Motor(M)	ab/cde/yz	1-C10
M25	Fig.2-3	Laser Optics Positioning Motor(C)	ab/cde/yz	1-D10
M26	Fig.1-6	Scanner Motor	ab/cde/yz	2-B3
M27	Fig.2-4	Polygon Mirror Motor	ab/cde/yz	2-D7
M28	Fig.9-6	Shield Drive Motor	cde	1-G5
M29	Fig.12-3	Development Motor:Black	cde	1-D7

a=IM C3000
b=IM C3500
c=IM C4500
d=IM C5500
e=IM C6000
y=IM C2000
z=IM C2500

Symbol	Index No.	Description	for	P to P
Solenoids				
SOL1	Fig.7-6	Bypass Pick-up Solenoid	ab/cde/yz	1-B1
SOL2	Fig.10-8	Paper Exit Solenoid	ab/cde/yz	1-C1
SOL3	Fig.10-7	Fusing Exit Drive Solenoid	ab/cde/yz	1-E5
SOL4	Fig.13-2	Development Solenoid	ab/yz	1-E7
Symbol	Index No.	Description	for	P to P
Fans				
FAN1	Fig.11-8	Fusing Exhaust Fan	ab/cde/yz	1-E1
FAN2	Fig.11-4	PSU Cooling Fan	ab/cde/yz	1-C5
FAN3	Fig.11-3	Ozone Exhaust Fan	ab/cde/yz	1-D5
FAN4	Fig.14-12	Controller Box Cooling Fan	ab/cde/yz	1-F7
FAN5	Fig.11-7	Toner Supply Cooling Fan	ab/cde/yz	1-F7
FAN6	Fig.11-2	Development Intake Fan	ab/cde/yz	1-A10
FAN7	Fig.11-1	Paper Exit Cooling Fan	ab/cde/yz	1-A10
FAN8	Fig.11-9	Main Exhaust Fan	cde	1-F7
FAN9	Fig.11-6	Drive Cooling Fan	cde	1-F7
Symbol	Index No.	Description	for	P to P
Switches				
SW1	Fig.6-6	Paper Size Switch (2nd Feed Tray)	ab/cde/yz	1-B5
SW2	Fig.7-9	Interlock Switch(Front Cover,Right Door)	ab/cde/yz	1-D10 2-B1
SW3	-	-	-	-
SW4	Fig.14-3	Main Power Switch	ab/cde/yz	2-D3
Symbol	Index No.	Description	for	P to P
Thermopiles/Thermistors				
TH1	Fig.9-4	Thermopile (Center)	ab/cde/yz	1-F5
TH2	Fig.9-3	Thermopile (Edge)	ab/cde/yz	1-F5
TH3	Fig.9-8	Pressure Roller Thermistor (Center)	ab/cde/yz	2-D10
TH4	Fig.9-10	Pressure Roller Thermistor (Edge)	ab/cde/yz	2-D10
TH5	Fig.9-10	Pressure Roller Thermistor (Full-Bleed Edge)	ab/cde/yz	2-D10
Symbol	Index No.	Description	for	P to P
Heaters				
H1	Fig.6-7	Anti-condensation Heater	ab/cde/yz	2-G5
H2	-	Option Feed Dehumidification Heater	ab/cde/yz	2-G5
H3	Fig.1-2	Anti-condensation Heater(Scanner Heater)	ab/cde/yz	2-G5
H4	-	PCU Anti-condensation Heater	ab/cde/yz	2-G5
Symbol	Index No.	Description	for	P to P
LEDs				
LED1	-	PTR Open/Close LED	ab/cde/yz	1-A1
LED2	-	Quenching LED/K	yz	1-F8
LED3	-	Quenching LED/C	yz	1-G8
LED4	-	Quenching LED/M	yz	1-G8
LED5	-	Quenching LED/Y	yz	1-G8

Symbol	Index No.	Description	P to P
PCBs			
PCB1	Fig.14-7	Paper Transport IOB	1-D3
PCB2	Fig.12-1 Fig.14-5	Imaging IOB	1-D5/C8
PCB3	Fig.5-7	ID Chip Contact Board: K	1-A7
PCB4	Fig.5-4	ID Chip Contact Board: C	1-A7
PCB5	Fig.5-2	ID Chip Contact Board: M	1-B7
PCB6	Fig.5-18	ID Chip Contact Board: Y	1-B7
PCB7	Fig.1-7	Sensor board unit (SBU)	2-A3
PCB8	Fig.14-8	PSU (DC Power)	2-C3
PCB9	Fig.14-10	PSU (AC Controller Board)	2-D1
PCB10	Fig.14-11	BICU	2-B5
PCB11	Fig.14-4	Controller Board	2-B5
PCB12	Fig.14-6	HDD	2-B7
PCB13	Fig.1-1	Operation panel (SOP-G2.5)	2-C7
PCB14	Fig.2-6	LD Drive Board (Bk/C)	2-C7
PCB15	Fig.2-5	LD Drive Board (M/Y)	2-D7
PCB16	Fig.14-2	HVP-TTS	2-A8
PCB17	Fig.2-7	Synchronizing Detector Board	2-D7
PCB18	Fig.14-13	Proximity Sensor Board	2-E3
PCB19	Fig.14-9	HVP-CB	2-B7

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z=IM C2500