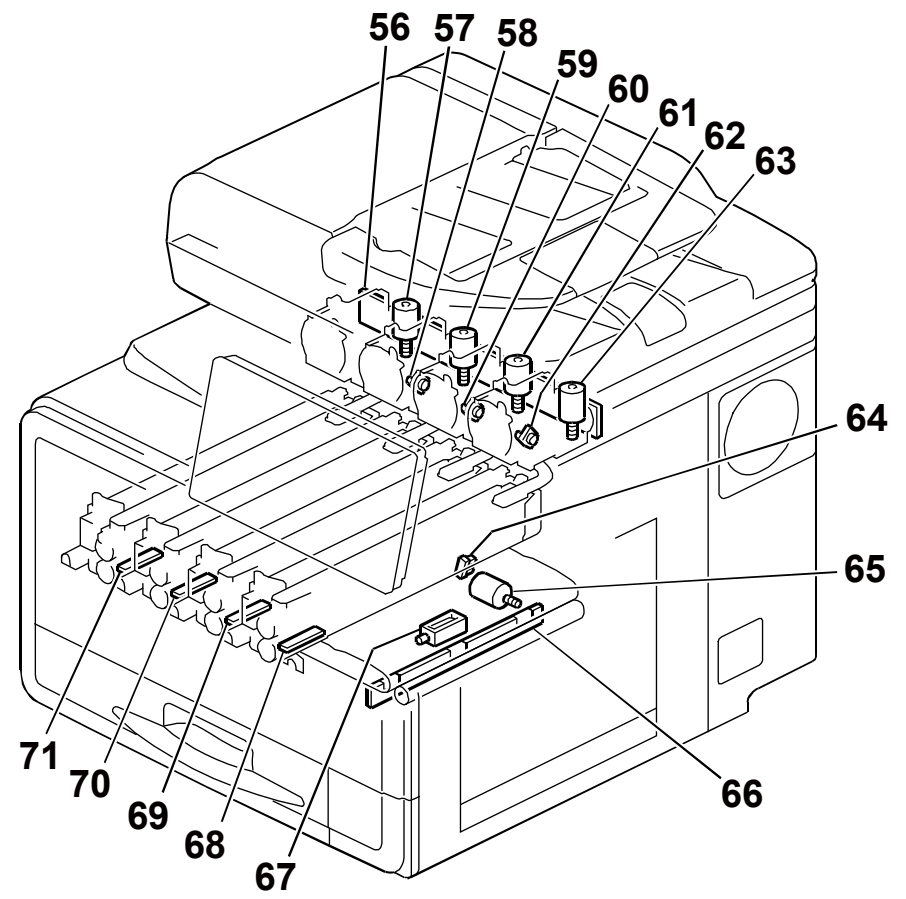
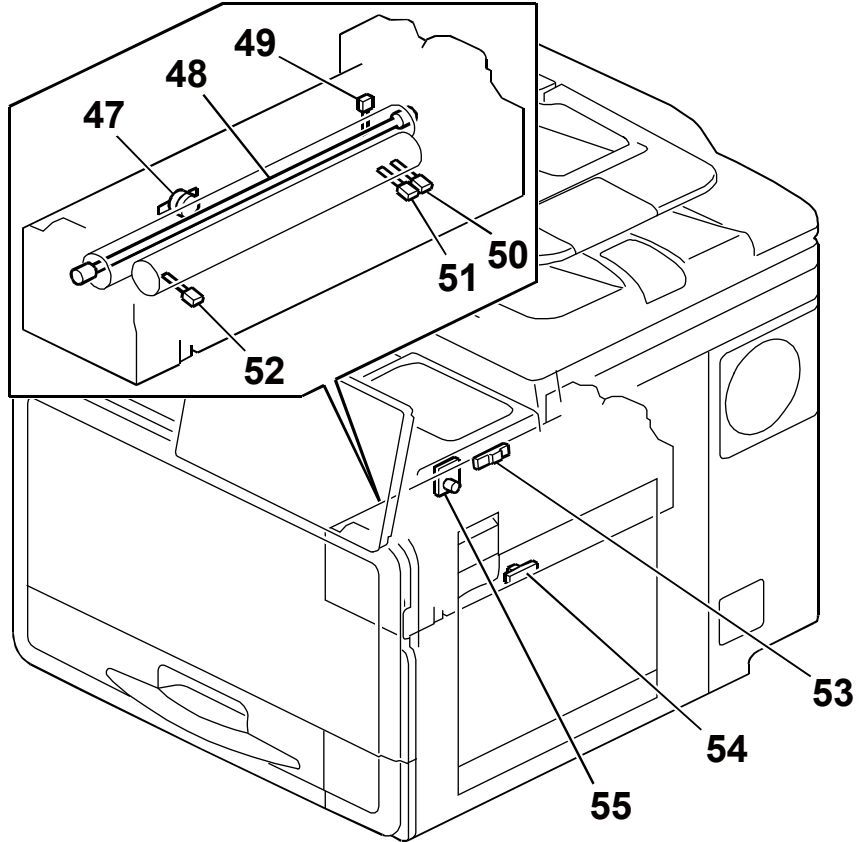
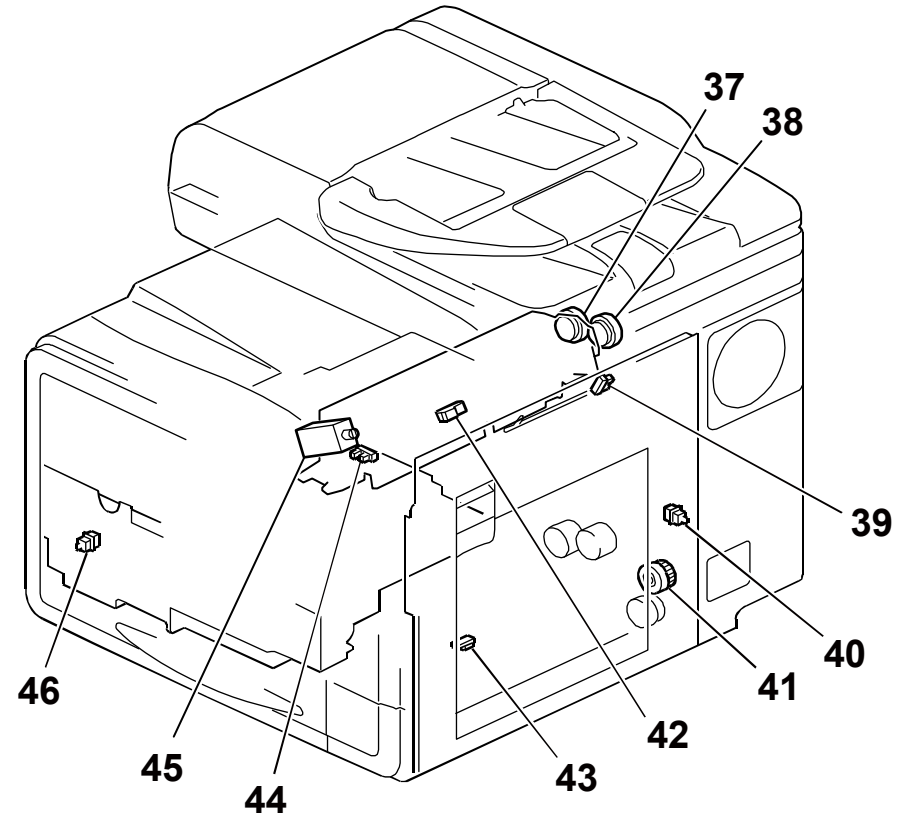
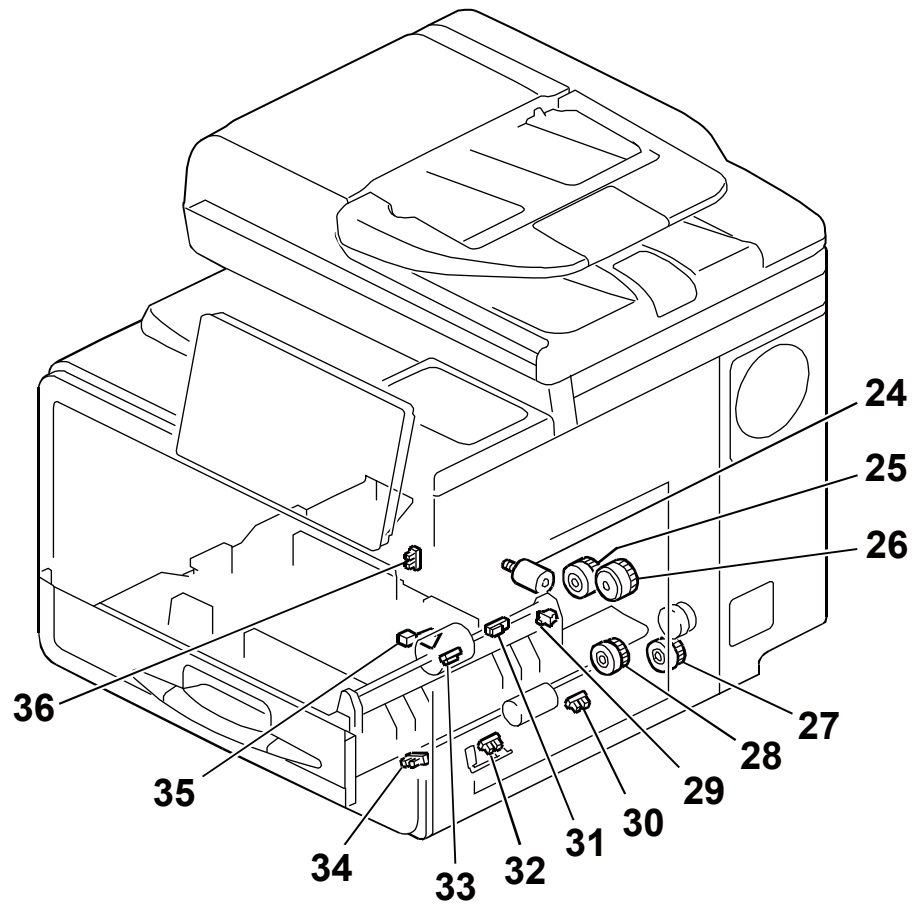
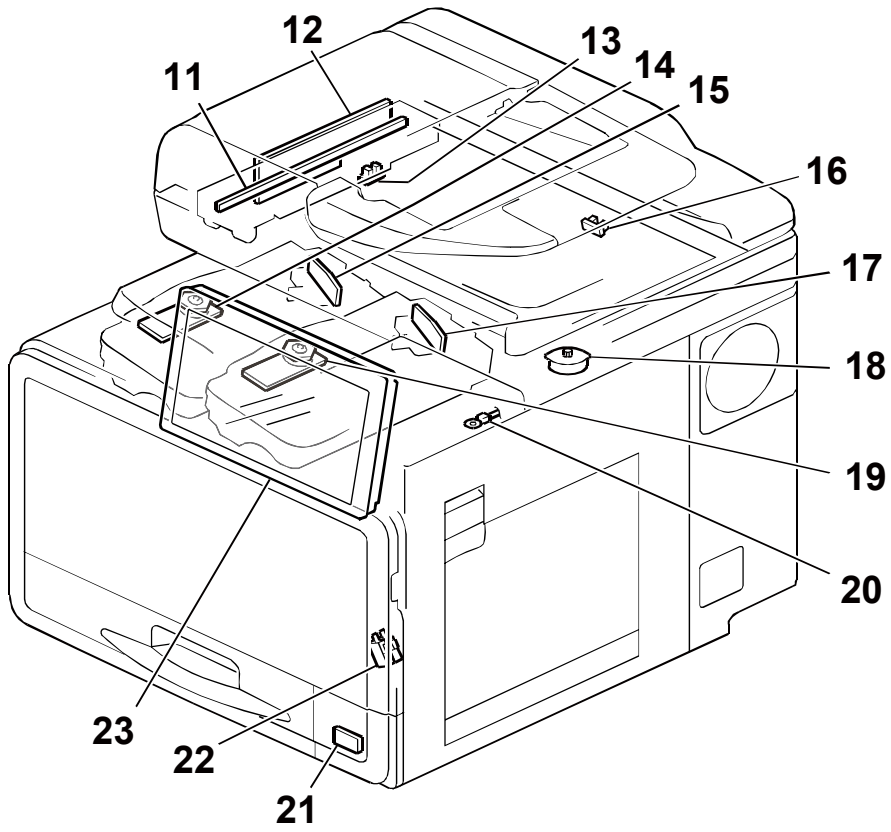
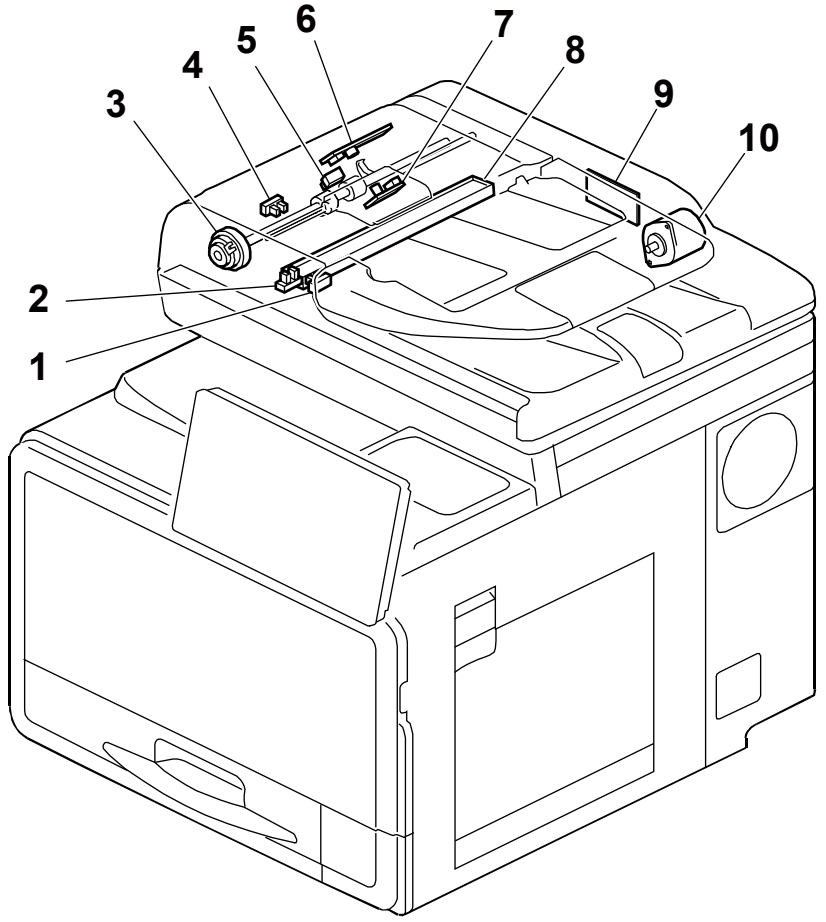
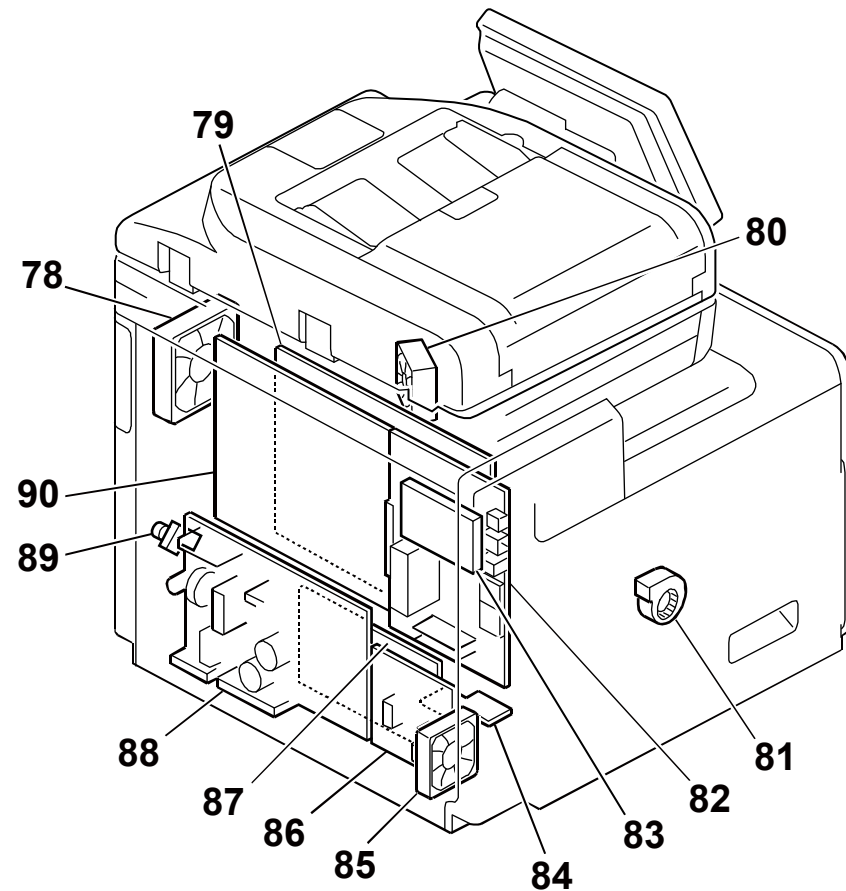
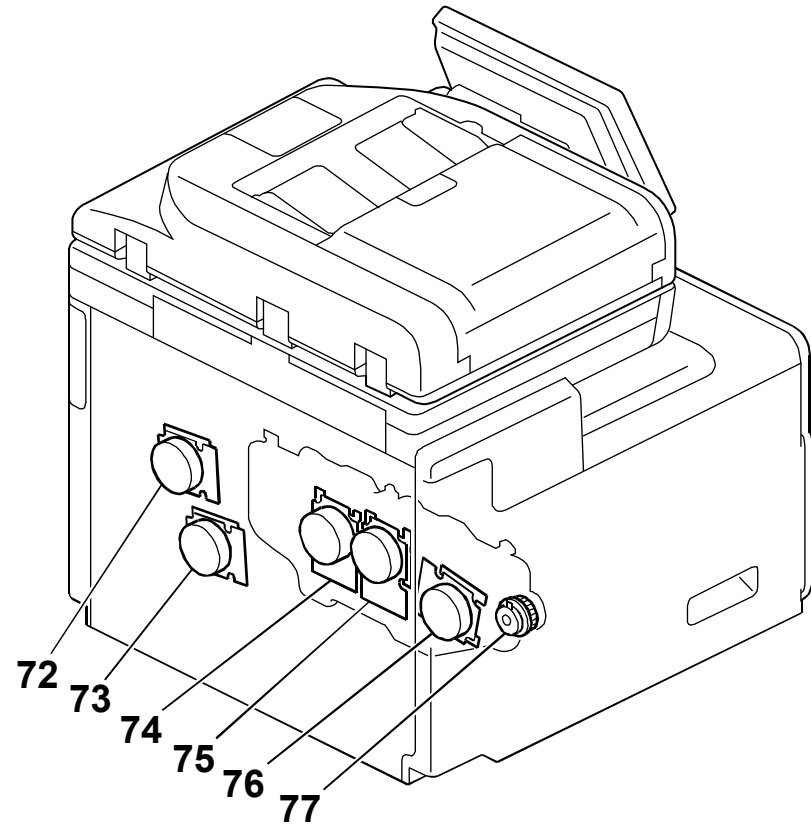


# MP C307/C407 Series ELECTRICAL COMPONENT LAYOUT (1/2)



# MP C307/C407 Series

## ELECTRICAL COMPONENT LAYOUT (2/2)



Symbol	Index No	Description	P to P	Symbol	Index No	Description	P to P
<b>Sensors</b>				<b>Switches</b>			
S1	1	Top Cover Set Sensor	G8	SW1,SW2	22	Interlock Switches	G1
S2	2	Original Set Sensor	G8	SW3	29	Tray Set Switch	B3
S3	4	ADF Feed Sensor	G8	SW4	40	Right Cover Switch	B2
S4	5	ADF Registration Sensor	G8	SW5	46	Waste Toner Bottle Set Switch	E2
S5	13	Scanner HP Sensor	G7	SW6	89	Main Power Switch(DC Switch)	C2
S6	16	ADF Set Sensor	F7	<b>Motors</b>			
S7	20	Temperature/Humidity Sensor	E7	M1	10	ADF Drive Motor	G8
S8	30	Bypass Paper End Sensor	B8	M2	14	Polygon Motor (K/C)	E8
S9	31	Registration Sensor	C1	M3	18	Scanner Motor	F7
S10	32	Bypass Paper Width Sensor	B8	M4	19	Polygon Motor (M/Y)	F8
S11	33	Paper Feed Sensor	C1	M5	24	Tray Lift Motor	A2
S12	34	Bypass Lift Sensor	B8	M6	57	Toner Supply Motor (K)	D9
S13	35	Tray Paper End Sensor	C1	M7	59	Toner Supply Motor (C)	D9
S14	36	Tray Lift Sensor	A2	M8	61	Toner Supply Motor (M)	D9
S15	39	Duplex Entrance Sensor	B8	M9	63	Toner Supply Motor (Y)	D9
S16	42	Paper Exit Sensor	C8	M10	65	ITB Contact Motor	B1
S17	43	Duplex Exit Sensor	B8	M11	72	Fusing Motor	C3
S18	44	Waste Toner Full Sensor	A2	M12	73	Paper Transport Motor	C3
S19	53	Fusing Exit Sensor	C8	M13	74	Development Motor (CMY)	D3
S20	54	Fusing Entrance Sensor	B8	M14	75	Drum Motor (CMY)	D3
S21	55	Fusing Thermopile	C8	M15	76	Drum Motor (K)	D3
S22	58	Toner End Sensor (C)	E9	<b>Fans</b>			
S23	60	Toner End Sensor (M)	E9	FAN1	78	Fusing Fan	C8
S24	62	Toner End Sensor (Y)	E9	FAN2	80	LD Unit Fan	E8
S25	64	ITB Contact HP Sensor	B2	FAN3	81	PCDU Cooling Duct Fan	D3
S26	66	ID Sensor	D1	FAN4	85	PSU Fan	D3
S27	68	TD Sensor (Mu Sensor) (Y)	D9	<b>Clutches</b>			
S28	69	TD Sensor (Mu Sensor) (M)	D9	CL1	3	ADF Feed Clutch	G8
S29	70	TD Sensor (Mu Sensor) (C)	D9	CL2	25	Paper Feed Clutch	C2
S30	71	TD Sensor (Mu Sensor) (K)	D9	CL3	26	Registration Clutch	C2
<b>PCBs</b>				CL4	27	Bypass Feed Clutch	C2
PCB1	9	ADF Relay Board	G7	CL5	28	Bypass Lift Clutch	B9
PCB2	11	LEDB	F8	CL6	37	Paper Exit Clutch	C8
PCB3	12	SBU	F7	CL7	38	Reverse Clutch	C8
PCB4	15	LD Board (K/C)	F8	CL8	41	Duplex Clutch	C2
PCB5	17	LD Board (M/Y)	F8	CL9	77	Development Clutch (K)	D3
PCB6	56	Toner Bottle Detection Board	D7	<b>Thermistors</b>			
PCB7	79	Power Pack (Development)	E2	TH1	21	Image Creation Temperature Sensor	E7
PCB8	82	Controller Board	A6	TH2	29	Fusing Thermistor (NC sensor)	D9
PCB9	84	AC Detection Board	F4	TH3	50	Pressure Roller Thermistor (Edge: Rear)	C9
PCB10	86	PSU (AC)	F3	TH4	51	Pressure Roller Thermistor (Center)	D9
PCB11	87	Power Pack (Transfer)	A2	TH5	52	Pressure Roller Thermistor (Edge: Front)	C9
PCB12	88	PSU (DC)	G3	<b>Thermostat</b>			
PCB13	90	BiCU	D5	TS1	47	Thermostat	-
PCB14	7	Double-feed Sensor (Emitter)	G6	<b>Lamp</b>			
PCB15	6	Double-feed Sensor (Receiver)	G6	L1	48	Fusing Lamp	D9
<b>Solenoids</b>				<b>Others</b>			
SOL1	45	Exit Junction Gate Solenoid	C9	OT1	12	Operation Panel	F3
SOL2	67	ID Sensor Shutter Solenoid	D1	OT2	83	HDD	A7
				OT3	8	CIS	G8



# MP C307/C407 Series Harness Pin Assignment

Harness No.	Harness Part No.	Connector (FROM)			Signal Information		Relay Harness Part No.	Connector (TO)				
		No.	To Connector	Pin No.	Signal Name	Direction		No.	To Connector	Pin No.		
1-1	D2965275	CN525	BiCU	1	Fusing Fan: Control	->	D1175253 CN56	CN60	Fusing Fan	3		
				2	Fusing Fan: Lock	<-				2		
				3	Fusing Fan: GND	G				1		
				4	Fusing Thermopile: +5V IO	P				D1175253 CN56	D1175253 CN56-CN57 (Fusing Thermopile)	3
				5	Fusing Thermopile: GND	G						2
				6	Fusing Thermopile: FB	<-						1
				7	Fusing Exit Sensor: GND	G				D1175253 CN56-CN97 (Fusing Exit Sensor)	3	
				8	Fusing Exit Sensor	<-					2	
				9	Fusing Exit Sensor: +5V IO	P					1	
				10	Paper Exit Sensor: GND	G				D2964472 CN35	D2964472 CN35-CN54, CN58 (Paper Exit Sensor, Junction Gate Solenoid)	3
				11	Paper Exit Sensor	<-						2
				12	Paper Exit Sensor: +5V IO	P						1
				13	N.C.	N				D2964472 CN35	D2964472 CN35-CN54, CN58 (Paper Exit Sensor, Junction Gate Solenoid)	2
				14	Junction Gate Solenoid: OUT1	->						1
				15	Junction Gate Solenoid: OUT2	->						1
				16	Pape Exit Clutch/+24VS_LPS	P				D2964472 CN35	D2964472 CN35-CN54, CN58 (Paper Exit Sensor, Junction Gate Solenoid)	2
				17	N.C.	N						1
				18	Pape Exit Clutch: Control	->						1
				19	Reverse Clutch/+24VS_LPS	P				D1965259 CN70	D1965259 CN70-CN71, CN72 (Drawer)	2
				20	Reverse Clutch: Control	->						1
				21	Pressure Roller Thermistor (Center): GND	G						1
				22	Pressure Roller Thermistor (Center): FB	<-				D1965259 CN70	D1965259 CN70-CN71, CN72 (Drawer)	2
				23	Pressure Roller Thermistor (Rear): GND	G						3
				24	Pressure Roller Thermistor (Rear): FB	<-						4
				25	Pressure Roller Thermistor (Front): GND	G				D1965259 CN70	D1965259 CN70-CN71, CN72 (Drawer)	5
				26	Pressure Roller Thermistor (Front): FB	<-						6
				27	Fusing Thermistor/GND	G						7
				28	Fusing Thermistor/Detection	<-				D1965259 CN70	D1965259 CN70-CN71, CN72 (Drawer)	8
				29	Fusing Thermistor/Compensation	<-						9
				30	N.C.	N						10
				31	N.C.	N				D1965259 CN70	D1965259 CN70-CN71, CN72 (Drawer)	11
				32	GND (MP C307 Series)	G						12
				33	GND (MP C407 Series)	G						13
				34	N.C.	N				D1965259 CN70	D1965259 CN70-CN71, CN72 (Drawer)	14
35	Fusing Unit Region Detection:DOM/NA/TWN	<-	15									
36	Fusing Unit Region Detection:EU	<-	16									
37	GND	G	D1965259 CN70	D1965259 CN70-CN71, CN72 (Drawer)	17							
38	Fusing Unit New Detection	->			17							
39	N.C.	N			17							
CN539	BiCU	CN539	BiCU	1	ID Tag: +5V	P	D1965259 CN70	CN600	Toner Bottle Detection Board	9		
				2	Toner End Sensor: +5V	P				8		
				3	+24VS	P				7		
				4	+24VS	P				6		
				5	GND	G				5		
				6	GND	G				4		
				7	GND	G				3		
				8	ID Tag:SCL	->				2		
				9	ID Tag:SDA	<-/->				1		
				10	Toner Supply Motor: Y: Control	->				CN601	Toner Bottle Detection Board	8
				11	Toner Supply Motor: M: Control	->						7
				12	Toner Supply Motor: C: Control	->						6
				13	Toner Supply Motor: K: Control	->						5
				14	Toner End Sensor: Y	<-						4
				15	Toner End Sensor: M	<-						3
				16	Toner End Sensor: C	<-						2
17	N.C.	N	1									
CN220	BiCU	CN220	BiCU	1	+24V_PM	P	D2975232 (MP C307)	D2975232 (MP C307)	5			
				2	GND	G			4			
				3	Polygon Motor: ON (K, C)	->			D2965233 (MP C407)	D2965233 (MP C407)	3	
				4	Polygon Motor: Ready (K, C)	<-					5	
				5	Polygon Motor: Clock (K, C)	->			D2965233 CN2	D2965233 (MP C407)	1	
				6	+24V_PM	P					5	
				7	GND	G			D2965233 (MP C307)	D2965233 (MP C407)	4	
				8	Polygon Motor: ON (M, Y)	->					3	
				9	Polygon Motor: Ready (M, Y)	<-			D2965233 (MP C407)	D2965233 (MP C407)	2	
				10	Polygon Motor: Clock (M, Y)	->					1	
CN526	BiCU	CN526	BiCU	1	LD Unit Fan: Control	->	D1175243 CN47	CN18	LD Unit Fan	3		
				2	LD Unit Fan: Lock	<-				2		
				3	GND	G				1		
				4	Image Creation Temperature Sensor: IP	<-				CN80	Image Creation Temperature Sensor	2
				5	GND	G						1
				6	Temperature Sensor: FB	<-				CN14	Temperature/Humidity Sensor	4
				7	GND	G						3
				8	Humidity Sensor: FB	<-						2
				9	+3.3V	P				1		
CN523	BiCU	CN523	BiCU	1	Bypass Paper Width sensor/GND	G	D1175243 CN47	D1175243 CN47-CN93 (Bypass Paper Width sensor)	3			
				2	Bypass Paper Width sensor	<-			2			
				3	Bypass Paper Width sensor/+5V	P			1			
				4	Bypass Paper End sensor/GND	G			D1175243 CN47-CN94 (Bypass Paper End sensor)	3		
				5	Bypass Paper End sensor/	<-				2		
				6	Bypass Paper End sensor/+5V	P				1		
				7	N.C.	N			D1175243 CN47-CN50 (Bypass Lift Clutch)	2		
				8	Bypass Lift Clutch/+24VS_LPS	P				1		
				9	Bypass Lift Clutch: Control	->				1		
				10	Bypass Lift Sensor/GND	G			D1175243 CN47-CN92 (Bypass Lift Sensor)	3		
				11	Bypass Lift Sensor	<-				2		
				12	+5V	P				1		
				13	Duplex Entrance Sensor/GND	G			D1175242 CN50	D1175242 CN50-CN52 (Duplex Entrance Sensor)	3	
				14	Duplex Entrance Sensor	<-					2	
				15	Duplex Entrance Sensor/+5V	P					1	
				16	N.C.	N			D1965241 CN49	D1965241 CN49-CN44 (Fusing Entrance Sensor)	3	
				17	N.C.	N					2	
				18	N.C.	N					1	
				19	N.C.	N			D1965241 CN49	D1965241 CN49-CN51 (Suplex Exit Sensor)	3	
				20	Fusing Entrance Sensor/GND	G					2	
				21	Fusing Entrance Sensor	<-					1	
				22	Fusing Entrance Sensor/+5V	P			D1965241 CN49-CN51 (Suplex Exit Sensor)	3		
				23	Duplex Exit Sensor/GND	G				2		
				24	Duplex Exit Sensor	<-				1		
25	Duplex Exit Sensor/+5V	P	1									
26	N.C.	N	1									
27	N.C.	N	1									

### MP C307/C407 Series Harness Pin Assignment

Harness No.	Harness Part No.	Connector (FROM)			Signal Information		Relay Harness Part No.	Connector (TO)								
		No.	To Connector	Pin No.	Signal Name	Direction		No.	To Connector	Pin No.						
		CN540	BiCU	1	GND	G	D1965269 (MP C307) D1965299 (MP C407) CN67									
				2	TD Sensor: K: Fout	<-					D1965269 (MP C307)	6				
				3	TD Sensor +3.3V	P					D1965299 (MP C407)	5				
				4	TD Sensor: K: SEL	->					CN67-CN77	4				
				5	TD Sensor: SDA	<-/->					(TD Sensor K)	3				
				6	TD Sensor: SCL	->						2				
				7	GND	G						1				
				8	TD Sensor: C: Fout	<-					D1965269 (MP C307)	6				
				9	TD Sensor +3.3V	P					D1965299 (MP C407)	5				
				10	TD Sensor: C: SEL	->					CN67-CN76	4				
				11	TD Sensor: SDA	<-/->					(TD Sensor C)	3				
				12	TD Sensor: SCL	->						2				
				13	N.C.	N						1				
				14	N.C.	N										
				15	GND	G										
				16	TD Sensor: M: Fout	<-					D1965269 (MP C307)	6				
				17	TD Sensor +3.3V	P					D1965299 (MP C407)	5				
				18	TD Sensor: M: SEL	->					CN67-CN75	4				
				19	TD Sensor: SDA	<-/->					(TD Sensor M)	3				
				20	TD Sensor: SCL	->						2				
				21	GND	G						1				
				22	TD Sensor: Y: Fout	<-					D1965269 (MP C307)	6				
				23	TD Sensor +3.3V	P					D1965299 (MP C407)	5				
				24	TD Sensor: Y: SEL	->					CN67-CN74	4				
				25	TD Sensor: SDA	<-/->					(TD Sensor Y)	3				
				26	TD Sensor: SCL	->						2				
1-2	D2965246	CN519	BiCU	1	N.C.	N	JCN2	CN2	Registration Clutch	2						
				2	Registration Clutch: +24VS LPS	P				1						
				3	Registration Clutch: Control	->										
				4	Paper Feed Clutch: +24VS LPS	P				JCN3	CN3	Paper Feed Clutch	2			
				5	Paper Feed Clutch: Control	->							1			
				6	Fusing Motor: CLK	->							CN1	Fusing Motor	11	
				7	Fusing Motor: Brake	->									10	
				8	Fusing Motor: Rotatory Direction	->									9	
				9	Fusing Motor: Start	->									8	
				10	Fusing Motor: Lock	<-									7	
				11	N.C.	N										
				12	N.C.	N										
				13	N.C.	N										
				14	N.C.	N										
				15	N.C.	N										
				16	N.C.	N										
				17	N.C.	N										
				18	Fusing Motor: GND	G										
				19	Fusing Motor: GND	G										
				20	Fusing Motor: +24VS	P										
				21	Fusing Motor: +24VS	P										
				22	N.C.	N										
				23	Duplex Clutch: +24VS LPS	P							JCN5	CN5	Duplex Clutch	5
				24	Duplex Clutch: Control	->										4
				25	Bypass Feed Clutch: +24VS LPS	P							JCN4	CN4	Bypass Feed Clutch	2
				26	Bypass Feed Clutch: Control	->										1
				27	Paper Transport Motor: CLK	->							CN9	Paper Transport Motor	11	
				28	Paper Transport Motor: Brake	->									10	
				29	Paper Transport Motor: Rotatory Direction	->									9	
				30	Paper Transport Motor: Start	->									8	
				31	Paper Transport Motor: Lock	<-									7	
				32	N.C.	N										
		33	N.C.	N												
		34	N.C.	N												
		35	N.C.	N												
		36	N.C.	N												
		37	N.C.	N												
		38	N.C.	N												
		39	N.C.	N												
		40	N.C.	N												
		41	N.C.	N												
		42	N.C.	N												
		43	N.C.	N												
		44	N.C.	N												
		45	N.C.	N												
		46	N.C.	N												
		47	N.C.	N												
		48	N.C.	N												
		49	N.C.	N												
		50	N.C.	N												
		51	N.C.	N												
		52	N.C.	N												
		53	N.C.	N												
		54	N.C.	N												
		55	N.C.	N												
		56	N.C.	N												
		CN559	BiCU	1	Paper Feed Unit: RXD	<-	D2965285 CN34	CN14	Paper Feed Unit (Drawer)	9						
				2	Paper Feed Unit: TXD	->				11						
				3	GND	G				13						
				4	+5V	P				15						
				5	GND	G				14						
				6	GND	G				12						
				7	GND	G				10						
				8	+24V	P				8						
				9	+24V	P				6						
				10	+24V	P				4						
				11	N.C.	N				1						
				12	N.C.	N				2						
				13	N.C.	N				3						
				14	N.C.	N				5						
				15	N.C.	N				7						
				16	N.C.	N				16						
				17	N.C.	N				17						
				18	N.C.	N				18						
		19	GND	G	D2965250 CN38	CN802	Power Pack (Transfer)	10								
		20	Tray Paper End Sensor	<-				9								
		21	GND	G				8								
		22	Paper Feed Sensor	<-				7								
		23	+5V	P				6								
		24	GND	G				5								
		25	Registration Sensor	P				4								
		26	+5V	P				3								
		27	Right Cover Switch	<-				2								
		28	N.C.	N				1								
		29	GND	G												
		30	+24VS LPS	P												
		31	GND	G												
		32	HVP: TTS: SC Search	<-												
		33	HVP: Paper Transfer: FB	<-												
		34	HVP: Paper Transfer: +: PWM	->												
35	HVP: Paper Transfer: -: PWM	->														
36	HVP: ITB: K: PWM	->														
37	HVP: ITB: C: PWM	->														
38	HVP: ITB: M: PWM	->														
39	HVP: ITB: Y: PWM	->														
40	HVP: ITB: Y: PWM	->														

# MP C307/C407 Series Harness Pin Assignment

Harness No.	Harness Part No.	Connector (FROM)			Signal Information		Relay Harness Part No.	Connector (TO)						
		No.	To Connector	Pin No.	Signal Name	Direction		No.	To Connector	Pin No.				
		CN543	BiCU	1	Tray Lift Motor: Control A	->	D1175256 CN8	CN7	Tray Lift Motor	2				
				2	Tray Lift Motor: Control B	->				1				
				3	GND	G				D1175256 CN8-CN73 (Waste Toner Full Sensor)	3			
				4	Waste Toner Full Sensor	<-					2			
				5	+5V	P					1			
				6	GND	G				D1175256 CN8-CN9 (Tray Lift Sensor)	3			
				7	Tray Lift Sensor	<-					2			
				8	+5V_IO	P					1			
				9	ITB Contact Motor: Control A	->				D2965285 CN31	D2965285 CN31-CN15 (ITB Contact Motor)	9		
				10	ITB Contact Motor: Control B	->						8		
				11	GND	G						D2965285 CN31-CN16 (ITB Contact HP Sensor)	7	
				12	ITB Contact HP Sensor	<-							6	
				13	+5V	P							5	
				14	GND	G						D2965285 CN31-CN6 (Tray Set Sensor)	4	
				15	Tray Set Sensor	<-				3				
					N.C.	N	2							
					N.C.	N		1						
				16	DC_SW_ON Signal	<-	D1965258 CN81	D1965258 CN81~CN80 (DC Switch)	2					
				17	GND	G			1					
					N.C.	N								
					N.C.	N								
				1-3	D2965247	CN555	BiCU	1	N.C.	N	D1175254 CN10		D1175254 CN10-CN42 ->D1966397 CN1-CN2 (ID Sensor Shutter Solenoid)	11
								2	+24VS_LPS	P				10
3	ID Sensor Shutter Solenoid: Control	->	D1175254 CN10-CN42 ->D1966397 CN1-CN2 (ID Sensor)					9						
4	GND	G						8						
5	ID Sensor: R: PWM	->						7						
6	ID Sensor R FB	<-	6											
7	ID Sensor C FB	<-	5											
8	+5V	P	4											
9	ID Sensor: C: PWM	->	3											
10	ID Sensor C FB	<-	2											
11	ID Sensor F FB	<-	1											
12	ID Sensor: F: PWM	->	CN61					PCDU Cooling Duct Fan	3					
13	PCDU Cooling Duct Fan: Control	->							2					
14	PCDU Cooling Duct Fan: Lock	<-							1					
15	GND	G	CN29					PSU Fan	3					
16	PSU Fan: Control	->							2					
17	PSU Fan: Lock	<-							1					
18	GND	G	CN24					Development Motor (CMY)	11					
19	N.C.	N							10					
20	Development Motor (CMY): CLK	->							9					
21	Development Motor (CMY): Brake	->							8					
22	Development Motor (CMY): Rotatory Direction	->							7					
23	Development Motor (CMY): Start	->												
24	Development Motor (CMY): Lock	<-							6					
25	N.C.	N							5					
26	N.C.	N							4					
	N.C.	N							3					
27	GND	G	2											
28	GND	G	1											
29	+24VS	P	CN28					Development Clutch (K)	2					
30	+24VS	P				1								
1	+24VS_LPS	P				CN25	Drum Motor (K)		12					
2	Development Clutch (K): BK: Control	->							11					
3	Drum Motor (K): Gain	->							10					
4	Drum Motor (K): CLK	->							9					
5	Drum Motor (K): Brake	->							8					
6	Drum Motor (K): Rotatory Direction	->							7					
7	Drum Motor (K): Start	->												
8	Drum Motor (K): Lock	<-							6					
9	N.C.	N	5											
10	N.C.	N	4											
	N.C.	N	3											
	N.C.	N	2											
11	GND	G	1											
12	GND	G	CN26			Drum Motor (CMY)	12							
13	+24VS	P					11							
14	+24VS	P					10							
15	N.C.	N					9							
16	N.C.	N					8							
17	Drum Motor (CMY): Gain	->					7							
18	Drum Motor (CMY): CLK	->												
19	Drum Motor (CMY): Brake	->					6							
20	Drum Motor (CMY): Rotatory Direction	->					5							
21	Drum Motor (CMY): Start	->					4							
22	Drum Motor (CMY): Lock	<-	3											
23	N.C.	N	2											
24	N.C.	N	1											
	N.C.	N												
	N.C.	N												
25	GND	G	CN86	AC Detection Board	3									
26	GND	G			2									
27	+24VS	P			1									
28	+24VS	P												
29	N.C.	N	CN614	PSU AC	7									
30	GND	G			6									
31	AC Voltage Detection	<-			5									
32	+24V	P			4									
1	Zero-cross Signal 2	<-			3									
2	Zero-cross Signal 1	<-			2									
3	Fusing Heater (Center): Control	->			1									
4	Fusing Heater: Relay: Control 1	->												
5	Fusing Heater: Relay: Control 2	->												
6	GND	G	CN535	D2965252 CN32-CN50 (Waste Toner Bottle Set Sensor)	2									
7	+24V_RLY	P			1									
1	Waste Toner Bottle Set Sensor: Set Sensor	<-												
		G		1										
1-4	D2965288	CN39	Relay (D2965285) CN39	8	GND	G	CN40	Tray Paper End Sensor	2					
				7	Tray Paper End Sensor	<-			1					
				6	GND	G	CN37	Paper Feed Sensor	3					
				5	Paper Feed Sensor	<-			2					
				4	+5V	P			1					
				3	GND	G	CN42	Registration Sosnor	3					
				2	Registration Sosnor	<-			2					
1	+5V	P	1											

# MP C307/C407 Series Harness Pin Assignment

Harness No.	Harness Part No.	Connector (FROM)			Signal Information		Relay Harness Part No.	Connector (TO)		
		No.	To Connector	Pin No.	Signal Name	Direction		No.	To Connector	Pin No.
1-5	D1965249	CN607-CN609	Toner Bottle Detection Board	1	GND	G		CN81-CN83	Toner End Sensor (C), (M), (Y)	3
				2	Toner End Sensor	<-				2
				3	+5V	P				1
1-6	D2965250	CN38	Relay (D2965246) CN38	2	Right Cover Switch	<-		CN41	Right Cover Switch	2
				1	GND	G				1
1-7	D1965251	CN561	BiCU	1	HVP: Charger DC: M: PWM	->		CN801	Power Pack (Development)	11
				2	HVP: Charger DC: C: PWM	->				10
				3	HVP: Charger DC: K: PWM	->				9
				4	HVP: Charger AC: Y: PWM	->				8
				5	HVP: Charger AC: M: PWM	->				7
				6	HVP: Charger AC: C: PWM	->				6
				7	HVP: Charger AC: K: PWM	->				5
				8	HVP: Charger AC: Frequency	->				4
				9	N.C.	N				3
				10	GND	G				2
				11	+24VS1	P				1
				12	HVP: Charger AC: K: FB	<-				22
				13	HVP: Charger AC: C: FB	<-				21
				14	HVP: Charger AC: M: FB	<-				20
				15	HVP: Charger AC: Y: FB	<-				19
				16	N.C.	N				18
				17	HVP: CB: SC Search	<-				17
				18	HVP: Development: C: PWM	->				16
				19	HVP: Development: K: PWM	->				15
				20	HVP: Development: M: PWM	->				14
				21	HVP: Development: Y: PWM	->				13
				22	HVP: Charger DC: Y: PWM	->				12
1-8	D2965252	CN32	Relay (D2965247) CN17	2	Waste Toner Bottle Set Switch: Set	<-		CN50	Waste Toner Bottle Set Switch	2
				1	GND	G				1
1-9	D1175253	CN56	Relay (D2965275) CN36	6	N.C.	N		CN57	Fusing Thermopile	4
				5	5V	P				3
				4	GND	G				2
		CN97	Fusing Exit Sensor	4	Fusing Thermopile: FB	<-	1			
				3	GND	G	3			
				2	Fusing Exit Sensor	<-	2			
1	+5V	P	1							
1-10	D1175254	CN10	Relay (D2965247) CN10	11	+24VS1	P	D1966397 CN1		D1966397 CN42-CN3 (ID Sensor Shutter Solenoid)	2
				10	ID Sensor Shutter Solenoid: Control	->				1
				9	GND	G				9
				8	ID Sensor: R: PWM	->				8
				7	ID Sensor_R FB	<-				7
				6	ID Sensor_C FB	<-				6
				5	+5V	P				5
				4	ID Sensor: C: PWM	->				4
				3	ID Sensor_C FB	<-				3
				2	ID Sensor_F FB	<-				2
				1	ID Sensor: F: PWM	->				1
1-11	D2965285	CN31	Relay (D2965246) CN31	9	ITB Contact Motor: Control A	->	JCN15	CN15	ITB Contact Motor	2
				8	ITB Contact Motor: Control B	->				1
				7	GND	G				3
				6	ITB Contact HP Sensor	<-				2
				5	+5V	P				1
				4	GND	G				2
				3	Tray Set Sensor	<-				1
		CN34	Relay (D2965246) CN34	2	N.C.	N	D2965288 CN39		D2965288 CN39 (Tray Paper End Sensor)	2
				1	N.C.	N				1
				8	GND	G				3
				7	Tray Paper End Sensor	<-				2
				6	GND	G				1
				5	Paper Feed Sensor	<-				3
				4	+5V	P				2
3	GND	G	1							
2	Registration Sensor	<-	2							
1	+5V	P	1							
1-12	D1175256	CN8	Relay (D2965246) CN8	6	GND	G		CN73	Waste Toner Full Sensor	3
				5	Waste Toner Full Sensor	<-				2
				4	+5V	P				1
				3	GND	G				3
				2	Tray Lift Sensor	<-				2
1	+5V	P	1							
1-13	D1965258	CN81	Relay (D2965246) CN81	4	DC SW ON Signal	<-		CN80	DC Switch	2
				3	N.C.	N				
				2	N.C.	N				
				1	GND	G				1
1-14	D1965259	CN70	Relay (D2965275) CN70	17	Pressure Roller Thermistor (Center): GND	G	D1964311 or D1964312 Drawer		D1964311 or D1964312 Drawer-CN5 (Pressure Roller Thermistor (Center))	2
				16	Pressure Roller Thermistor (Center): FB	<-				1
				15	Pressure Roller Thermistor (Rear): GND	G				2
				14	Pressure Roller Thermistor (Rear): FB	<-				1
				13	Pressure Roller Thermistor (Front): GND	G				2
				12	Pressure Roller Thermistor (Front): FB	<-				1
					N.C.	N				
					N.C.	N				
					N.C.	N				
				11	Fusing Thermistor/GND	G				3
				10	Fusing Thermistor/Detection	<-				2
				9	Fusing Thermistor/Compensation	<-				1
				8	N.C.	N				
				7	N.C.	N				
			N.C.	N						
			N.C.	N						
			N.C.	N						
		6	GND (MP C407 Series)	G	-					
		5	N.C.	N	-					
			N.C.	N						
		4	Fusing Unit Region Detection: NA, TWN	<-	-					
		3	Fusing Unit Region Detection: EU	<-	-					
		2	Fusing Unit New Detection: GND	G	2					
		1	Fusing Unit New Detection	->	1					
		CN603	PSU	1	Fusing Heater/L	->		D1964311 or D1964312 Drawer-CN4 (Fusing Heater (NC sensor))	3	
					N.C.	N				
				2	Fusing Heater (Center)/N	->		D1964311 or D1964312 Drawer-T1 (Fusing Heater (Center))	1	
T1	T1		Ground Wire	G		D1964311 or D1964312 Drawer-CN (Fusing Unit Region Detection)	-			
			N.C.	N						
			N.C.	N		D1964311 or D1964312 Drawer-CN (Fusing Unit New Detection)	-			
			N.C.	N		D1964311 or D1964312 Drawer-T4 (Fusing Lamp/L)	1			
			N.C.	N		D1964311 or D1964312 Drawer-T1 (Fusing Lamp/N)	1			
			N.C.	N		Ground Wire	-			

### MP C307/C407 Series Harness Pin Assignment

Harness No.	Harness Part No.	Connector (FROM)			Signal Information		Relay Harness Part No.	Connector (TO)						
		No.	To Connector	Pin No.	Signal Name	Direction		No.	To Connector	Pin No.				
1-15	D1175260	CN601	PSU AC	1	AC IN L	<-		INLET	Inlet	L				
				2	AC IN N	<-				E				
					Ground Wire	G				N				
1-17	D1965262	CN565	BiCU	1	+24VS	P		CN6-2	Interlock SW	2				
				2	+24VS_LPS	P				CN7-2	1			
		CN610	PSU DC	1	+24VL	P					CN6-1			2
				2	+24VL_LPS	P								CN7-1
1-18	D1965263	CN566	BiCU	1	GND	G		CN611	PSU DC	5				
				2	GND	G				4				
				3	+24V_LPS	P				3				
				4	GND	G				2				
				5	+24V	P				1				
				6	GND	G				CN613	PSU DC	4		
				7	GND	G						3		
				8	+5V	P						2		
				CN504	BiCU	9				+5VX	P		CN612	PSU DC
		1	GND			G		2						
		2	PONENG Signal	<-		1								
1-19	D1965264	CN602	PSU AC	1	AC Voltage Detection/N	<-		CN12	AC Detection Board	3				
					N.C.	N				2				
				2	AC Voltage Detection/L	<-				1				
1-20	D1965269 For MP C307	CN67	Relay (D2965275) CN67	12	GND	G	D1963121 CN77		D1963121 CN2-CN (TD Sensor (K))	6				
				11	TD Sensor: K: Fout	<-				5				
				10	TD Sensor +3.3V	G				4				
				9	TD Sensor: K: SEL	->				3				
				8	TD Sensor: SDA	<-/->				2				
				7	TD Sensor: SCL	->				1				
				6	GND	G				D1963121 CN76	D1963121 CN2-CN (TD Sensor (C))	6		
				5	TD Sensor: C: Fout	<-						5		
				4	TD Sensor +3.3V	P						4		
				3	TD Sensor: C: SEL	->						3		
				2	TD Sensor: SDA	<-/->						2		
				1	TD Sensor: SCL	->						1		
				24	GND	G				D1963121 CN75	D1963121 CN2-CN (TD Sensor (M))	6		
				23	TD Sensor: M: Fout	<-						5		
				22	TD Sensor +3.3V	P						4		
				21	TD Sensor: M: SEL	->						3		
				20	TD Sensor: SDA	<-/->						2		
				19	TD Sensor: SCL	->						1		
	18	GND	G	D1963121 CN74	D1963121 CN2-CN (TD Sensor (Y))	6								
	17	TD Sensor: Y: Fout	<-			5								
	16	TD Sensor +3.3V	P			4								
	15	TD Sensor: Y: SEL	->			3								
	14	TD Sensor: SDA	<-/->			2								
	13	TD Sensor: SCL	->			1								
	D1965299 For MP C407	CN67	Relay CN67			N.C.	N	D2143121 CN77		D2143121 CN2-CN (TD Sensor (K))	7			
					12	GND	G				6			
					11	TD Sensor: K: Fout	<-				5			
					10	TD Sensor +3.3V	G				4			
					9	TD Sensor: K: SEL	->				3			
					8	TD Sensor: SDA	<-/->				2			
					7	TD Sensor: SCL	->				1			
					6	GND	G				D1963121 CN76	D1963121 CN2-CN (TD Sensor (C))	6	
					5	TD Sensor: C: Fout	<-						5	
4					TD Sensor +3.3V	P	4							
3					TD Sensor: C: SEL	->	3							
2					TD Sensor: SDA	<-/->	2							
1					TD Sensor: SCL	->	1							
24					GND	G	D1963121 CN75				D1963121 CN2-CN (TD Sensor (M))	6		
23					TD Sensor: M: Fout	<-						5		
22	TD Sensor +3.3V	P	4											
21	TD Sensor: M: SEL	->	3											
20	TD Sensor: SDA	<-/->	2											
19	TD Sensor: SCL	->	1											
18	GND	G	D1963121 CN74	D1963121 CN2-CN (TD Sensor (Y))	6									
17	TD Sensor: Y: Fout	<-			5									
16	TD Sensor +3.3V	P			4									
15	TD Sensor: Y: SEL	->			3									
14	TD Sensor: SDA	<-/->			2									
13	TD Sensor: SCL	->			1									



# MP C307/C407 Series Harness Pin Assignment

Harness No.	Harness Part No.	Connector (FROM)			Signal Information		Relay Harness Part No.	Connector (TO)				
		No.	To Connector	Pin No.	Signal Name	Direction		No.	To Connector	Pin No.		
<b>Unit Harness</b>												
1-21	D2964472	CN35	Relay (D2965275) CN35	1	Paper Exit Sensor:GND	G	JCN58	CN54	Paper Exit Sensor	3		
				2	Paper Exit Sensor	<-				2		
				3	Paper Exit Senso:+5V_IO	P				1		
				4	Junction Gate Solenoid: OUT1	->				2		
				5	Junction Gate Solenoid: OUT2	->				1		
1-22	D1965241	CN49	Relay (D2965275) CN47	1	N.C.	N						
				2	N.C.	N						
				3	N.C.	N						
				4	GND	G				CN44	Fusing Entrance Sensor	3
				5	Fusing Entrance Sensor	<-						2
				6	+5V	P				1		
				7	GND	G				CN51	Duplex Exit Sensor	3
				8	Duplex Exit Sensor	<-						2
				9	+5V	P						1
				10	N.C.	N						
				11	N.C.	N						
1-23	D1175242	CN50	Relay (D2965275) CN48	1	GND	G		CN52	Duplex Entrance Sensor	3		
				2	Duplex Entrance Sensor	<-				2		
				3	+5V	P				1		
1-24	D1175243	CN47	Relay (D2965275) CN46	1	GND	G		CN93	Bypass Paper Width Sensor	3		
				2	Bypass Paper Width Sensor	<-				2		
				3	+5V	P				1		
				4	GND	G		CN94	Bypass Paper End Sensor	3		
				5	Bypass Paper End Sensor	<-				2		
				6	+5V	P		1				
				7	+24VS2	P		JCN50	CN50	Bypass Lift Clutch	2	
				8	Bypass Lift Clutch: Control	->					1	
				9	GND	G		CN92	Bypass Lift Sensor	3		
				10	Bypass Lift Sensor	<-				2		
				11	+5V	P				1		
1-26	D1963121 For Y, M, C, and K (MP C307)	CN2	Relay (D1965269 or D1965299) CN74-CN77	1	GND	G		CN	TD Sensor (K), (C), (M), (Y)	6		
				2	Front	<-				5		
				3	+3.3V	P				4		
				4	SEL	->				3		
				5	SDA	<-/->				2		
				6	SCL	->				1		
				7	N.C.	N						
	D2143121 For K (MP C407)	CN2	Relay (D1965299) CN77	1	N.C.	N		CN	TD Sensor (K)	-		
				2	GND	G				6		
				3	Front	<-				5		
				4	+3.3V	P				4		
				5	SEL	->				3		
				6	SDA	<-/->				2		
				7	SCL	->				1		
1-27	D1965230 For MP C307	CN221	BiCU	1	GND	G		CN	LD Board (K/C)	1		
				2	GND	G				2		
				3	GND	G				3		
				4	LDD2	O				4		
				5	LDD2_N	O				5		
				6	GND	G				6		
				7	SYCS_N	O				7		
				8	GND	G				8		
				9	SYCLK	O				9		
				10	GND	G				10		
				11	SYDI	O				11		
				12	SYDO	I				12		
				13	APC_N	O				13		
				14	LD5V	P				14		
				15	LD5V	P				15		
				16	LD5V	P				16		
				17	LD5V	P				17		
				18	LD5V	P				18		
				19	LD5V	P				19		
				20	DROPEN	I				20		
				21	GND	G				21		
				22	ERR_N	I				22		
				23	GND	G				23		
				24	DETP_N	O				24		
				25	GND	G				25		
				26	LDD1	O				26		
				27	LDD1_N	O				27		
				28	GND	G				28		
				29	GND	G				29		
				30	GND	G				30		
	D1965230 For MP C407	CN221	BiCU	1	LDD2_1	O		CN	LD Board (K/C)	1		
				2	LDD2_1_N	O				2		
				3	GND	G				3		
				4	LDD2_2	O				4		
				5	LDD2_2_N	O				5		
				6	GND	G				6		
				7	SYCS_N	O				7		
				8	GND	G				8		
				9	SYCLK	O				9		
				10	GND	G				10		
				11	SYDI	O				11		
				12	SYDO	I				12		
				13	APC_N	O				13		
				14	LD5V	P				14		
				15	LD5V	P				15		
				16	LD5V	P				16		
				17	LD5V	P				17		
				18	LD5V	P				18		
				19	LD5V	P				19		
				20	DROPEN	I				20		
				21	GND	G				21		
				22	ERR_N	I				22		
				23	GND	G				23		
				24	DETP_N	I				24		
				25	GND	G				25		
				26	LDD1_1	O				26		
				27	LDD1_1_N	O				27		
				28	GND	G				28		
				29	LDD1_2	O				29		
				30	LDD1_2_N	O				30		

# MP C307/C407 Series Harness Pin Assignment

Harness No.	Harness Part No.	Connector (FROM)			Signal Information		Relay Harness Part No.	Connector (TO)		
		No.	To Connector	Pin No.	Signal Name	Direction		No.	To Connector	Pin No.
1-28	D1965231 For MP C307	CN222	BiCU	1	GND	G		CN	LD Baord (M/Y)	1
				2	GND	G				2
				3	GND	G				3
				4	LDD2	O				4
				5	LDD2_N	O				5
				6	GND	G				6
				7	SYCS_N	O				7
				8	GND	G				8
				9	SYCLK	O				9
				10	GND	G				10
				11	SYDI	O				11
				12	SYDO	I				12
				13	APC_N	O				13
				14	LD5V	P				14
				15	LD5V	P				15
				16	LD5V	P				16
				17	LD5V	P				17
				18	LD5V	P				18
				19	LD5V	P				19
				20	DROPEN	I				20
				21	GND	G				21
				22	ERR_N	I				22
				23	GND	G				23
				24	DETP_N	O				24
				25	GND	G				25
				26	LDD1	O				26
				27	LDD1_N	O				27
				28	GND	G				28
				29	GND	G				29
				30	GND	G				30
	D1965231 For MP C407	CN222	BiCU	1	LDD2_1	O		CN	LD Baord (M/Y)	1
				2	LDD2_1_N	O				2
				3	GND	G				3
				4	LDD2_2	O				4
				5	LDD2_2_N	O				5
				6	GND	G				6
				7	SYCS_N	O				7
				8	GND	G				8
				9	SYCLK	O				9
				10	GND	G				10
				11	SYDI	O				11
				12	SYDO	I				12
				13	APC_N	O				13
				14	LD5V	P				14
				15	LD5V	P				15
				16	LD5V	P				16
				17	LD5V	P				17
				18	LD5V	P				18
				19	LD5V	P				19
				20	DROPEN	I				20
				21	GND	G				21
				22	ERR_N	I				22
				23	GND	G				23
				24	DETP_N	I				24
				25	GND	G				25
				26	LDD1_1	O				26
				27	LDD1_1_N	O				27
				28	GND	G				28
				29	LDD1_2	O				29
				30	LDD1_2_N	O				30
1-29	D2965214	CN400	BiCU	1	Serial CS	->		CN420	SBU	50
				2	Serial TX Data	->				49
				3	Serial Clock	->				48
				4	GND	G				47
				5	White Board Erea Signal	->				46
				6	Effective Original Erea	->				45
				7	N.C.	N				44
				8	LED Control 6	<-				43
				9	LED Control 5	<-				42
				10	LED Control 4	<-				41
				11	LED Control 3	<-				40
				12	LED Control 2	<-				39
				13	LED Control 1	<-				38
				14	N.C.	N				37
				15	+24V	P				36
				16	+24V	P				35
				17	GND	G				34
				18	CCD Control	->				33
				19	GND	G				32
				20	+5V	P				31
				21	+5V	P				30
				22	+5V	P				29
				23	+5V	P				28
				24	GND	G				27
				25	GND	G				26
				26	+24VL	P				25
				27	+24VL	P				24
				28	GND	G				23
				29	GND	G				22
				30	GND	G				21
				31	GND	G				20
				32	LVDS DataA(+)	<-				19
				33	LVDS DataA(-)	<-				18
				34	GND	G				17
				35	LVDS DataB(+)	<-				16
				36	LVDS DataB(-)	<-				15
				37	GND	G				14
				38	LVDS DataC(+)	<-				13
				39	LVDS DataC(-)	<-				12
				40	GND	G				11
				41	LVDS Transfer clk(+)	<-				10
				42	LVDS Transfer clk(-)	<-				9
				43	GND	G				8
				44	LVDS DataD(+)	<-				7
				45	LVDS DataD(-)	<-				6
				46	GND	G				5
				47	LVDS DataE(+)	<-				4
				48	LVDS DataE(-)	<-				3
				49	GND	G				2
				50	Serial RX Data	<-				1

### MP C307/C407 Series Harness Pin Assignment

Harness No.	Harness Part No.	Connector (FROM)			Signal Information		Relay Harness Part No.	Connector (TO)				
		No.	To Connector	Pin No.	Signal Name	Direction		No.	To Connector	Pin No.		
1-30	D2965211	CN402	BiCU	1	Scanner motor_A	<-/>		CN	Scanner Motor	4		
				2	Scanner motor_B	<-/>				3		
				3	Scanner motor /A	<-/>				2		
				4	Scanner motor/ B	<-/>				1		
1-31	D2965213	CN403	BiCU	1	GND	G		CN	ADF Set Sensor	3		
				2	ADF Set Sensor	<-				2		
				3	+5VE_Z	P				1		
				4	GND	G				CN	Scanner HP Sensor	3
				5	Scanner HP Sensor	<-						2
				6	+5V_SCN1	P						1
1-32	D2965212	CN404	BiCU	1	+5V_SCN1	P	D2965220 CN3		D2965220 CN3 (ADF Relay Board)	1		
				2	MGND	G				2		
				3	ADF Feed Sensor	<-				3		
				4	+24V_SM	P				4		
				5	DCM_BRK	->				5		
				6	DCM_PWM	->				6		
				7	DCM_DIR	->				7		
				8	DCM_Encoder_B	<-				8		
				9	DCM_Encoder_A	<-				9		
				10	+5V_SCN1	P				10		
				11	+24V_MF	P				11		
				12	Double-feed_Drive Voltage Switching	->				12		
				13	Double-feed_Driving Wave_A	->				13		
				14	Double-feed_Driving Wave_B	->				14		
				15	Double-feed_Sensitivity Detection	<-				15		
				16	Double-feed_Detection	<-				16		
				17	Double-feed_Detection Clear	->				17		
				18	GND	G				18		
				19	+24V_CLT	P				19		
				20	ADF Connection Detection	<-				20		
				21	ADF Feed Clutch	<-				21		
				22	GND	G				22		
				23	+5V_SCN1	P				23		
				24	Top Cover Set Sensor	<-				24		
				25	+5VE_Z	P				25		
				26	Original Set Sensor	<-				26		
				27	+5V_SCN1	P				27		
				28	ADF Registration Sensor	<-				28		
1-33	D2965220	CN3	Relay (D2965212) CN3	1	+5V_SCN1	P		CN2	ADF Relay Board	1		
				2	MGND	G				2		
				3	ADF Feed Sensor	<-				3		
				4	+24V_SM	P				4		
				5	DCM_BRK	->				5		
				6	DCM_PWM	->				6		
				7	DCM_DIR	->				7		
				8	DCM_Encoder_B	<-				8		
				9	DCM_Encoder_A	<-				9		
				10	+5V_SCN1	P				10		
				11	+24V_MF	P				11		
				12	Double-feed_Drive Voltage Switching	->				12		
				13	Double-feed_Driving Wave_A	->				13		
				14	Double-feed_Driving Wave_B	->				14		
				15	NC					15		
				16	Double-feed_Sensitivity Detection	<-				CN1	ADF Relay Board	14
				17	Double-feed_Detection	<-						13
				18	Double-feed_Detection Clear	->						12
				19	GND	G						11
				20	+24V_CLT	P						10
				21	ADF Connection Detection	<-						9
				22	ADF Feed Clutch	<-						8
				23	GND	G						7
				24	+5V_SCN1	P						6
				25	Top Cover Set Sensor	<-						5
				26	+5VE_Z	P						4
				27	Original Set Sensor	<-						3
				28	+5V_SCN1	P						2
	ADF Registration Sensor	<-	1									
	T1	T1	T1	FG	G		T2	T2	T2			
1-34	D2975232 For MP C307	CN2	Relay (D2965275) CN89 or CN90	1	+24V_PM	P		CN1	Porigon Motor	5		
				2	GND	G				4		
				3	Polygon Motor: ON	O				3		
				4	Polygon Motor: Ready	I				2		
				5	Polygon Motor: Clock	O				1		
	D2965233 For MP C407	CN2	Relay (D2965275) CN89 or CN90		1	+24V_PM		P	CN1	Porigon Motor	5	
					2	GND		G			4	
					3	Polygon Motor: ON		O			3	
					4	Polygon Motor: Ready		I			2	
					5	Polygon Motor: Clock		O			1	

### MP C307/C407 Series Harness Pin Assignment

Harness No.	Harness Part No.	Connector (FROM)			Signal Information		Relay Harness Part No.	Connector (TO)			
		No.	To Connector	Pin No.	Signal Name	Direction		No.	To Connector	Pin No.	
1-35	D1964311 For NA, TWN	D1965259 CN73 (Drawer)	Drawer		Fusing Lamp:N	->		T1	Fusing Lamp	-	
					N.C.	N					
					Ground Wire	G		T3	Ground Wire	-	
					Fusing Lamp:L	->		T4	Fusing Lamp	-	
					N.C.	N					
				N.C.	N						
			Drawer CN2	1	Fusing Thermistor:GND	G		CN4	Fusing Thermistor (NC Sensor)	3	
				2	Fusing Thermistor:Sensor Output	<-				2	
				3	Fusing Thermistor:Compensation Output	<-				1	
				4	N.C.	N					
				5	N.C.	N					
				6	N.C.	N					
				7	Region/Generation Detection1 (C306 Series)	G			Region/Generation Detection	-	
				8	Region/Generation Detection2 (C406/C307/C407)	G			Region/Generation Detection	-	
				9	Region/Generation Detection3 (Not Used)	G			Region/Generation Detection	-	
	10	Region Detection: NA, TWN		<-			Region Detection	-			
	11	Region Detection: EU		<-			Region Detection	-			
	12	New Unit Detection: GND		G		CN7	New Unit Detection	2			
	13	New Unit Detection		->				1			
	Drawer CN1	1	Pressure Roller Thermistor: Center: GND	G		CN5	Pressure Roller Thermistor: Center	2			
		2	Pressure Roller Thermistor: Center	<-				1			
		3	Pressure Roller Thermistor: Rear: GND	G		CN6	Pressure Roller Thermistor: Rear	2			
		4	Pressure Roller Thermistor: Rear	<-				1			
		5	Pressure Roller Thermistor: Front: GND	G		CN8	Pressure Roller Thermistor: Front	2			
		6	Pressure Roller Thermistor: Front	<-				1			
		7	N.C.	N							
		8	N.C.	N							
		9	N.C.	N							
	1-35	D1964312 For EU,CHN,AA	D1965259 CN73 (Drawer)	Drawer		Fusing Lamp: N	->		T1	Fusing Lamp	-
						N.C.	N				
					Ground Wire	G		T3	Ground Wire	-	
					Fusing Lamp: L	->		T4	Fusing Lamp	-	
					N.C.	N					
				N.C.	N						
Drawer CN2				1	Fusing Thermistor:GND	G		CN4	Fusing Thermistor (NC Sensor)	3	
				2	Fusing Thermistor:Sensor Output	<-				2	
				3	Fusing Thermistor:Compensation Output	<-				1	
				4	N.C.	N					
				5	N.C.	N					
				6	N.C.	N					
				7	Region/Generation Detection1 (C306 Series)	G			Region/Generation Detection	-	
				8	Region/Generation Detection2 (C406/C307/C407)	G			Region/Generation Detection	-	
				9	Region/Generation Detection3 (Not Used)	G			Region/Generation Detection	-	
		10	Region Detection: NA, TWN	<-			Region Detection	-			
		11	Region Detection: EU	<-			Region Detection	-			
		12	New Unit Detection: GND	G		CN7	New Unit Detection	2			
		13	New Unit Detection	->				1			
Drawer CN1		1	Pressure Roller Thermistor: Center: GND	G		CN5	Pressure Roller Thermistor: Center	2			
		2	Pressure Roller Thermistor: Center	<-				1			
		3	Pressure Roller Thermistor: Rear: GND	G		CN6	Pressure Roller Thermistor: Rear	2			
		4	Pressure Roller Thermistor: Rear	<-				1			
		5	Pressure Roller Thermistor: Front: GND	G		CN8	Pressure Roller Thermistor: Front	2			
		6	Pressure Roller Thermistor: Front	<-				1			
		7	N.C.	N							
		8	N.C.	N							
		9	N.C.	N							
1-36		D1966397	CN1	Relay (D1175254) CN42	11	+24VS1	P	JCN3	CN	ID sensor Shutter Solenoid	1
					10	ID Sensr Shutter Solenoid: Control	->				2
	9				GND	G		CN2	ID Sensor	1	
	8				ID Sensor:R:PWM	->				2	
	7				ID Sensor:R:FB	<-				3	
	6				ID Sensor:C:FB	<-				4	
	5				+5V	P				5	
	4				ID Sensor:C:PWM	->				6	
	3				P Sensr:C:FB	<-				7	
	2				ID Sensor:F:FB	<-				8	
	1				ID Sensor:F:PWM	->				9	
1-37	M0A05935	CN421	SBU	1	LED Control 1	<-		CN430	LEDB	9	
				2	LED Control 2	<-				8	
				3	LED Control 3	<-				7	
				4	LED Control 4	<-				6	
				5	LED Control 5	<-				5	
				6	LED Control 6	<-				4	
				7	NC_LED	NC				3	
				8	+24VL	P				2	
				9	+24VL	P				1	
1-38	M0A05942	CN4	ADF Relay Board	1	DCM Encoder A	<-		CN	ADF Drive Motor	8	
				2	DCM Encoder B	<-				7	
				3	+5V_SCN1	P				6	
				4	DCM DIR	->				5	
				5	DCM PWM	->				4	
				6	DCM BRK	->				3	
				7	MGND	G				2	
				8	+24V_SM	P				1	
1-39	M0A05943	CN7	ADF Relay Board	1	GND	G		CN	Original Set Sensor	3	
				2	Original Set Sensor	<-				2	
				3	+5VE_Z	P				1	
				4	GND	G		CN	Top Cover Set Sensor	3	
				5	Top Cover Set Sensor	<-				2	
				6	+5V_SCN1	P				1	
				7	ADF Feed Clutch	<-	JCN	CN	ADF Feed Clutch	3	
				-	N.C.	N					2
8	+24V_CLT	P				1					
1-40	M0A05944	CN8	ADF Relay Board	1	GND	G		CN	ADF Registration Sensor	3	
				2	ADF Registration Sensor	<-				2	
				3	+5V_SCN1	P				1	
1-41	D2961469	CN112	BiCU	1	+5V	P		CN2	Operation Panel (SUB)	1	
				2	USB Data(-)	<-/->				2	
				3	USB Data(+)	<-/->				3	
				-	N.C.	N				4	
1-42	D2965224	CN5	ADF Relay Board	1	GND	G		CN	ADF Feed sensor	3	
				2	ADF Feed sensor	<-				2	
				3	+5V_SCN1	P				1	



### MP C307/C407 Series Harness Pin Assignment

Harness No.	Harness Part No.	Connector (FROM)			Signal Information		Relay Harness Part No.	Connector (TO)		
		No.	To Connector	Pin No.	Signal Name	Direction		No.	To Connector	Pin No.
1-43	D2965210	CN401	BiCU	1	CIS Serial Enable	->		CN450	Relay Board (CIS)	32
				2	CIS Serial Clock	->				31
				3	CIS Serial RX/TX Data	<-/->				30
				4	GND	G				29
				5	CIS_Md Synchronizing Signal	->				28
				6	GND	G				27
				7	LVDS Data0(-)	<-				26
				8	LVDS Data0(+)	<-				25
				9	GND	G				24
				10	LVDS Data1(-)	<-				23
				11	LVDS Data1(+)	<-				22
				12	GND	G				21
				13	LVDS Data2(-)	<-				20
				14	LVDS Data2(+)	<-				19
				15	GND	G				18
				16	LVDS Clock(-)	<-				17
				17	LVDS Clock(+)	<-				16
				18	GND	G				15
				19	LVDS Data3(-)	<-				14
				20	LVDS Data3(+)	<-				13
				21	GND	G				12
				22	LVDS Data4(-)	<-				11
				23	LVDS Data4(+)	<-				10
				24	GND	G				9
				25	GND	G				8
				26	+1.8V_SCN	P				7
				27	+1.8V_SCN	P				6
				28	GND	G				5
				29	+3.3V_SCN	P				4
				30	+3.3V_SCN	P				3
				31	GND	G				2
				32	+3.3V_LED	P				1
1-44	M0A05940	CN451	Relay Board	1	CIS Serial Enable	->		CN	CIS	32
				2	CIS Serial Clock	->				31
				3	CIS Serial RX/TX Data	<-/->				30
				4	GND	G				29
				5	CIS_Md Synchronizing Signal	->				28
				6	GND	G				27
				7	LVDS Data0(-)	<-				26
				8	LVDS Data0(+)	<-				25
				9	GND	G				24
				10	LVDS Data1(-)	<-				23
				11	LVDS Data1(+)	<-				22
				12	GND	G				21
				13	LVDS Data2(-)	<-				20
				14	LVDS Data2(+)	<-				19
				15	GND	G				18
				16	LVDS Clock(-)	<-				17
				17	LVDS Clock(+)	<-				16
				18	GND	G				15
				19	LVDS Data3(-)	<-				14
				20	LVDS Data3(+)	<-				13
				21	GND	G				12
				22	LVDS Data4(-)	<-				11
				23	LVDS Data4(+)	<-				10
				24	GND	G				9
				25	GND	G				8
				26	+1.8V_SCN	P				7
				27	+1.8V_SCN	P				6
				28	GND	G				5
				29	+3.3V_SCN	P				4
				30	+3.3V_SCN	P				3
				31	GND	G				2
				32	+3.3V_LED	P				1
1-47	D2415250	CN512	Controller Board	1	GND	G		CN	HDD	1
				2	HDD1_TXP	->				2
				3	HDD1_TXM	->				3
				4	GND	G				4
				5	HDD1_RXM	<-				5
				6	HDD1_RXP	<-				6
				7	GND	G				7
1-48	M0A05241	CN514	Controller Board	1	GND	G		CN	HDD	4
				2	5V	P				3
				3	HDD_DETECT_A	<-				2

### MP C307/C407 Series Harness Pin Assignment

Harness No.	Harness Part No.	Connector (FROM)			Signal Information		Relay Harness Part No.	Connector (TO)		
		No.	To Connector	Pin No.	Signal Name	Direction		No.	To Connector	Pin No.
<b>Optional Harness</b>										
2-1	D1965271	CN600	PSU AC	1	Anti-condensation Heater (Mainframe)/N	->		CN20	Anti-condensation Heater (Mainframe)	2
				2	Anti-condensation Heater (Bank)/N	->		CN21	Anti-condensation Heater (Bank)	2
				3	N.C.	N				
				4	Anti-condensation Heater (Mainframe)/L	<-		T1	T1-T2	-
				5	Anti-condensation Heater (Bank)/L	<-		CN21	Anti-condensation Heater (Bank)	1
		T2		Anti-condensation Heater (Mainframe)/L	<-		CN20	Anti-condensation Heater (Mainframe)	1	
2-3	D7395404	CN516	BiCU	1	Key Counter:GND	G		CN	Key Counter	4
				2	Key Counter:Set Detection	<-				3
				3	Key Counter:MKB +24V	P				2
				4	Key Counter: Controller	O				1
2-6	B8705511	CN570	BiCU	1	MKB:+5V	P		CN	MKB	13
				2	MKB:Set Detection	<-				12
				3	MKB:b0 (Size)	->				11
				4	MKB:b1 (Size)	->				10
				5	MKB:b2 (Size)	->				9
				6	MKB:b3 (Size)	->				8
				7	MKB:b4 (Size)	->				7
				8	MKB:b5 (Size)	->				6
				9	MKB:b6 (Diplex)	->				5
				10	MKB:b7 (Motor)	->				4
				11	MKB:GND	G				3
				12	MKB:Controller	->				2
				13	MKB:+24V_CNT	P				1
1-45	D2965221	CN3	ADF Relay Board	1	GND	G		CN1	Double-feed Sensor (Emitter)	7
				2	+24V_MF	P				6
				3	GND	G				5
				4	Double-feed Driving Wave B	->				4
				5	Double-feed Driving Wave A	->				3
				6	Double-feed Drive Voltage Switching	->				2
				7	+5V_SCN1	P				1
1-46	D2965222	CN6	ADF Relay Board	1	NC			CN275	Double-feed Sensor (Receiver)	7
				2	NC					6
				3	GND	G				5
				4	Double-feed Detection Clear	->				4
				5	Double-feed Detection	<-				3
				6	Double-feed Sensitivity Detection	<-				2
				7	+5V_SCN1	P				1