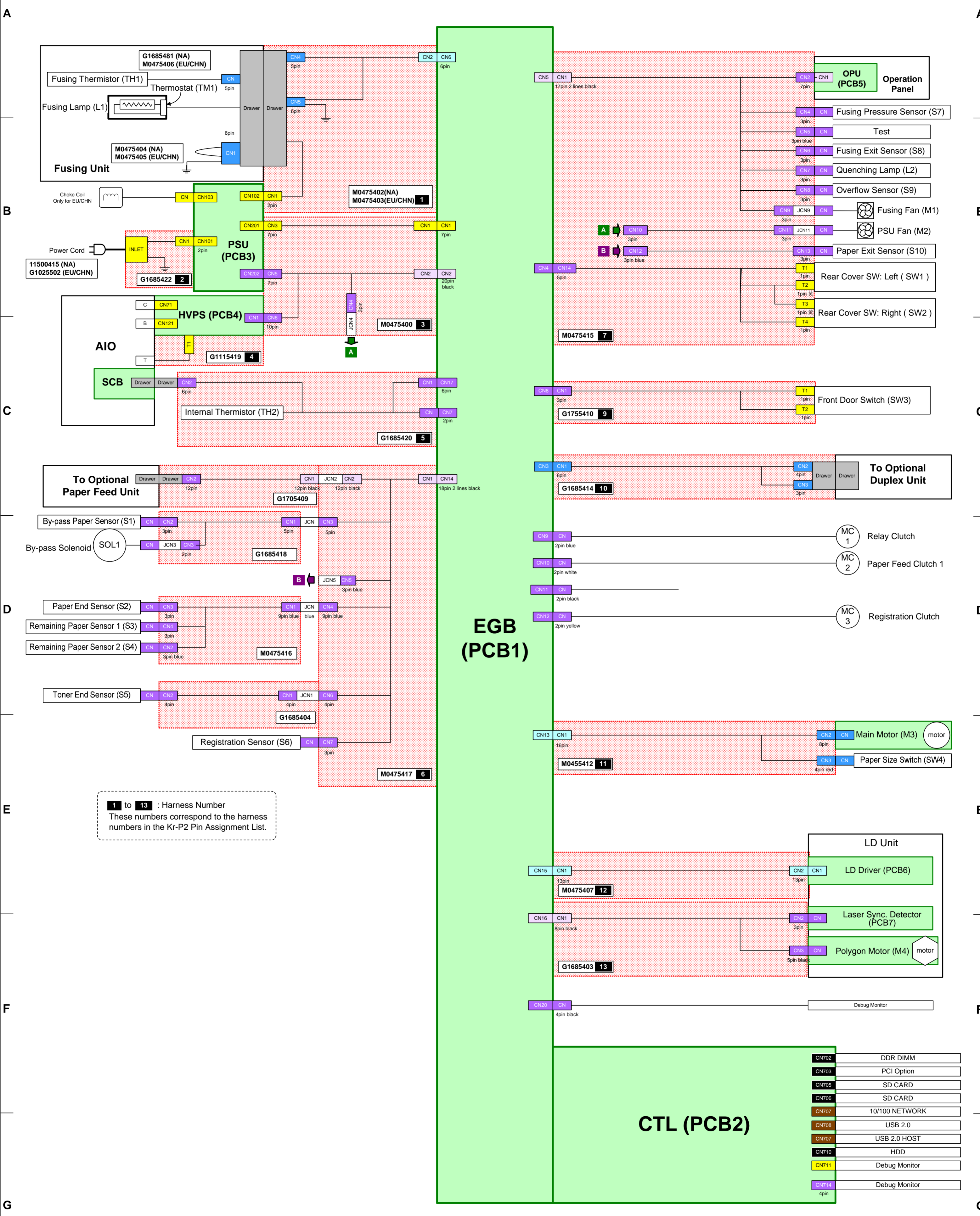


(M047) POINT TO POINT DIAGRAM



1 to 13 : Harness Number
 These numbers correspond to the harness numbers in the Kr-P2 Pin Assignment List.

CTL (PCB2)

- CN702 DDR DIMM
- CN703 PCI Option
- CN705 SD CARD
- CN708 SD CARD
- CN707 10/100 NETWORK
- CN708 USB 2.0
- CN707 USB 2.0 HOST
- CN710 HDD
- CN711 Debug Monitor
- CN714 Debug Monitor

(M047) Pin Assignment List

Harness No.	Part No.	Connector (From)				Relay Part No.	Connector (To)								
		No.	To	Pin No.	Description		Direction	L	H	No.	To	Pin No.			
1 (NA)	M0475402	CN10	PSU	1	N.C.		Not used	Drawer	Fusing Unit (Fusing Lamp)	4					
				2	N.C.					3					
				3	Heater N					2					
				4	Heater I					1					
				5	N.C.					6					
				6	Fusing Unit Set Detection	←	Not set if less than 0.5V is detected.			5					
		CN6	EGB	1	Thermistor Signal	←		Not used	CN4	Fusing Unit (Fusing Thermistor, New Detection)	4				
				2	GND			3							
				3	+5V			2							
				4	New Detection	←	New if 2.6V or more is detected.	1							
				5	N.C.			6							
				6	+5V			4							
		T1	F.G.	PSU	1	F.G.			Not used	CN5	Fusing Unit (Set Detection)	4			
					2	N.C.			3						
					3	N.C.			2						
4	N.C.						1								
5	Fusing Unit Set Detection				←	Not set if less than 0.5V is detected.	6								
6	F.G.						5								
1 (EU/CHN)	M0475403	CN10	PSU	1	N.C.		Not used	Drawer	Fusing Unit (Fusing Lamp)	4					
				2	N.C.					3					
				3	Heater N					2					
				4	Heater I					1					
				5	N.C.					6					
				6	Fusing Unit Set Detection	←	Not set if less than 0.5V is detected.			5					
		CN6	EGB	1	Thermistor Signal	←		Not used	CN4	Fusing Unit (Fusing Thermistor, New Detection)	4				
				2	GND			3							
				3	+5V			2							
				4	New Detection	←	New if 2.6V or more is detected.	1							
				5	N.C.			6							
				6	+5V			4							
		T1	F.G.	PSU	1	F.G.			Not used	CN5	Fusing Unit (Set Detection)	4			
					2	N.C.			3						
					3	N.C.			2						
4	N.C.						1								
5	Fusing Unit Set Detection				←	Not set if less than 0.5V is detected.	6								
6	F.G.						5								
2	G1685422	CN1	PSU	1	AC-L		Not used	INLET	Power Cord	1					
				2	AC-N					2					
3	M0475404	CN1	EGB	1	GND		Not used	CN3	PSU	1					
				2	GND					2					
				3	+24V					3					
				4	+24V					4					
				5	GND					5					
				6	GND					6					
				7	+5V					7					
				8	+5VE		Energy Saver Mode			8					
				9	PSU Fan Motor Control	→	Motor OFF			Motor ON	M0475415	9	PSU Fan	3	
				10	PSU Fan Motor Lock Detection	←	Lock (Normal)			Error		2		2	
				11	GND							1		1	
				12	Power Control	→	Power ON			Power OFF	Not used	7	PSU	7	
				13	Fusing Lamp Control	→	Lamp OFF			Lamp ON		6		6	
				14	Fusing Zero Cross	←	Interrupt					5		5	
				15	Fusing Relay Control	→	Relay ON			Relay OFF		4		4	
				16	Pressure Resist Test +24V							3		3	
				17	+24VS							2		2	
				18	+5V							1		1	
				19	LD +5V							4		4	
				20	Transfer bias FB	←					Not used	10	HVPP	10	
				21	Charge bias FB	←						9		9	
				22	DEV bias FB	←						8		8	
				23	Transfer (-) PWM Ctl	→						7		7	
				24	Transfer (+) PWM Ctl	→						6		6	
25	Charge V PWM Ctl	→				5		5							
26	DEV V PWM Ctl	→				4		4							
27	+5V					3		3							
28	GND					2		2							
29	+24VS					1		1							
4	G1115413	T1	HVPP	1	Transfer Current	→	Not used	T	Transfer Roller	1					
				2	GND					2					
				3	GND					3					
				4	SCB Set Detection	←	Set			Not Set	Not used	6	SCB	6	
				5	SCB +5V							5		5	
				6	I2C Serial Lock	→						4		4	
5	G1685423 (G1685423)	CN17	EGB	1	I2C Serial Data	→		CN2	SCB	1					
				2	GND					2					
				3	I2C Serial Lock	→				3					
				4	I2C Serial Data	→				4					
				5	GND					5					
				6	GND					6					
				7	Inner Thermistor	←					Not used	1	Inner Thermistor	1	
				8	GND							2		2	
				9	GND							1		1	
				10	GND							1		1	

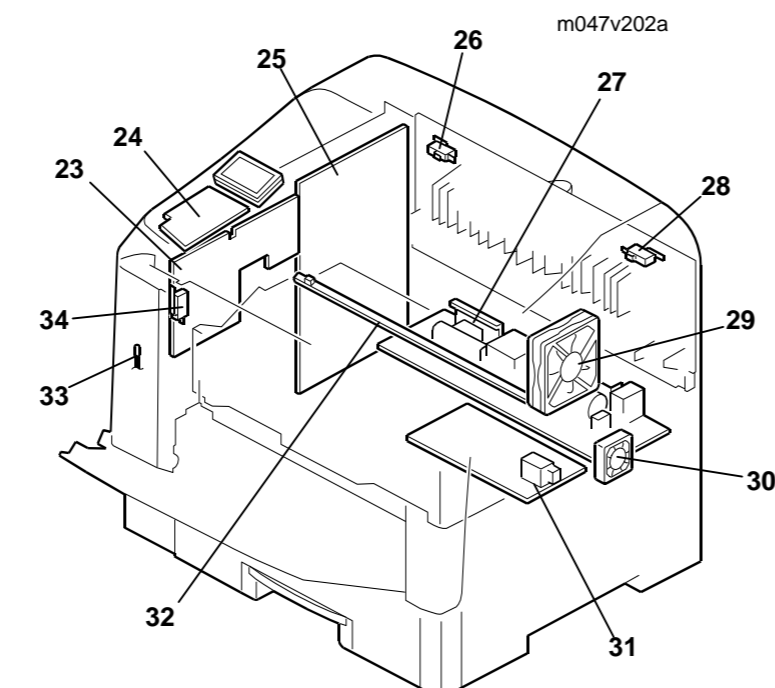
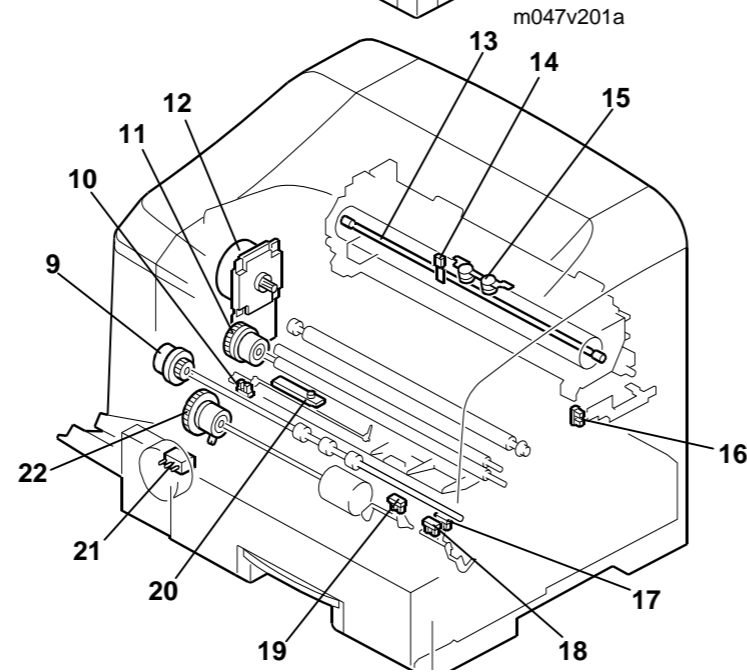
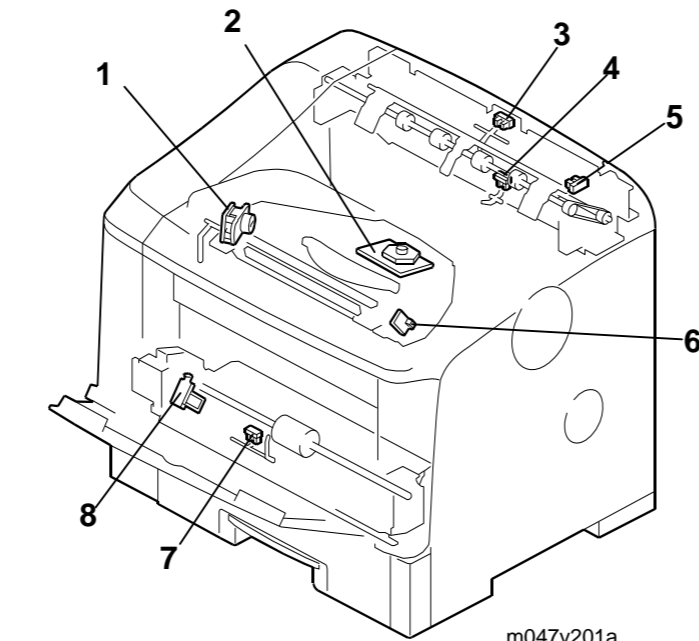
Harness No.	Part No.	Connector (From)				Relay Part No.	Connector (To)												
		No.	To	Pin No.	Description		Direction	L	H	No.	To	Pin No.							
6	M0475417	CN14	EGB	1	GND		G1705409	CN2	PFU	12									
				2	PFU Main Motor Lock	→				CL ON	CL OFF	11							
				3	PFU1: Feed Cl. Ctl	→				CL ON	CL OFF	10							
				4	PFU2: Feed Cl. Ctl	→				CL ON	CL OFF	9							
				5	PFU1: Feed Motor Ctl	→				Motor ON	Motor OFF	8							
				6	PFU2: Feed Motor Ctl	→				Motor ON	Motor OFF	7							
				7	PFU Serial Data	↔						6							
				8	PFU Serial Lock	→						5							
				9	GND							4							
				10	+5V							3							
				11	GND							2							
				12	+24V							1							
				13	GND							3							
				14	Bypass Paper Set Detect	←				Paper Detected	Paper Not Detected	G1685418	2	Bypass Paper End Sensor	2				
				15	+5V								1		1				
				16	+24V								2	Bypass Solenoid	2				
				17	Bypass SOL Ctl	→				SOL ON	SOL OFF		1		1				
				18	N.C.														
				19	GND														
				20	Paper Exit Sensor	←				Paper Detected	Paper Not Detected	M0475415	3	Paper Exit Sensor	3				
				21	+5V								2		2				
				22	GND								1		1				
				23	T1: Paper End Sensor	←				Paper Detected	Paper Not Detected	M0475416	3	T1: Paper End Sensor	3				
				24	+5V								2		2				
				25	GND								1		1				
				26	T1: Paper Remaining Sn1	←				250 or more	249 or less		3	1: Paper Remaining Sensor	3				
				27	+5V								2		2				
				28	GND								1		1				
				29	T1: Paper Remaining Sn2	←				less than 50 or more than 450	50 to 449		3	T1: Paper Remaining Sensor	3				
				30	+5V								2		2				
				31	GND								1		1				
				32	N.C.														
				33	+5V								4	Toner End Sensor	4				
				34	Toner End Sensor	←				Toner End	Toner Remaining		3		3				
				35	GND								2		2				
				36	+5V								1		1				
				37	Regist Detect Interrupt	←				Interrupt		Not used	3	Registration Sensor	3				
				38	GND								2		2				
				39	GND								1		1				
				7	M0475415	CN5				EGB	1	GND		Not used	CN2	Operation Panel	7		
											2	+5VE					Energy Saver Mode	6	
											3	OP Serial Lock	→					5	
											4	+5VE					Energy Saver Mode	4	
5	OP Serial TX Data	→					3												
6	OP Serial RX Data	←					2												
7	GND						1												
8	N.C.																		
9	N.C.																		
10	N.C.																		
11	N.C.																		
12	N.C.																		
13	N.C.																		
14	N.C.																		
15	N.C.																		
16	N.C.																		
17	N.C.																		
18	GND																		
19	Fusing Pressure Detection	←	Plain Paper				Thick Paper	Not used	3		Fusing Pressure Sensor	3							
20	+5V								2			2							
21	GND								1			1							
22	Pressure Resist Test +24V	←	SW ON				SW OFF	Not used	3		Safety Test	3							
23	Fusing Relay Control	→							2			2							
24	GND								1			1							
25	Fusing Exit Sensor	←	Paper Detected				Paper Not Detected	Not used	3		Fusing Exit Sensor	3							
26	+5V								2			2							
27	QL Ctl	→	QL ON				QL OFF	Not used	1		Quenching Lamp	1							
28	+24V								2			2							
29	N.C.								1			1							
30	GND								3		Overflow Sensor	3							
31	Overflow Sensor	←	Full				Not Full	Not used	2			2							
32	+5V								1			1							
33	Fusing Fan Ctl	→	Low Speed				High Speed	Not used	3		Fusing Fan	3							
34	Fusing Fan Lock Detect	←	Lock (Normal)				Error		2			2							
35	GND								1			1							
36	+24V							Not used	1		Rear Cover SW: Left	1							
37	N.C.																		
38	+24VSR		Power OFF: Rear Cover or Paper Exit Cover Open					Not used	1		Rear Cover SW: Right	1							
39	N.C.																		
40	+24VSR2		Power OFF: Rear Cover Open					Not used	1		Rear Cover SW: Left	1							
41	+24VSR2		Power OFF: Rear Cover Open					Not used	1		Rear Cover SW: Right	1							
42	+24VSR		Power OFF: Front Door Rear Cover or Paper Exit Cover Open					Not used	1		Front Door SW	1							
43	N.C.																		
44	+24VSR		Power OFF: Rear Cover or Paper Exit Cover Open		Not used	1	Front Door SW	1											

Harness No.	Part No.	Connector (From)				Relay Part No.	Connector (To)									
		No.	To	Pin No.	Description		Direction	L	H	No.	To	Pin No.				
10	G1685414	CN3	EGB	1	N.C.		Not used	CN2	Duplex Unit	4						
				2	Duplex Unit Serial RX Data	←					3					
				3	Duplex Unit Serial TX Data	→					2					
				4	GND						1					
				5	Duplex Unit Set Detection	←				Set	Not Set	Not used	3			
				6	+5V								2			
11	M0455412	CN13	EGB	1	Main Motor Lock	→	Not used	CN2	Main Motor	8						
				2	Main Motor Brake Ctl	→				Brake OFF	Brake ON	7				
				3	Main Motor Ctl	→				Motor ON	Motor OFF	6				
				4	Main Motor Lock Detection	←				Lock (Normal)	Error	5				
				5	GND							4				
				6	+5V							3				
				7	+24VS							2				
				8	+24VS							1				
				9	Paper Size SW: 1	←						Not used	4	Paper Size Switch	4	
				10												

PRINTER (M047)/ OPTIONS (M374/G806) ELECTRICAL COMPONENT LAYOUT

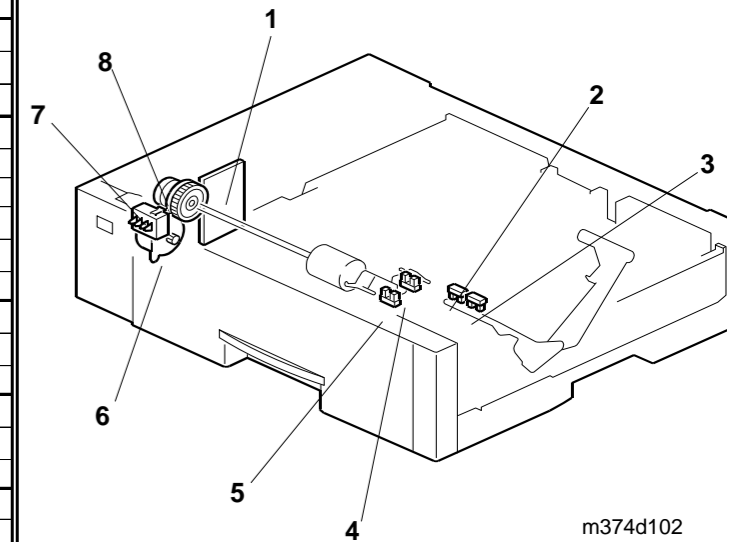
Printer (M047)

Symbol	Index No.	Description	P to P
Motors			
M1	30	Fusing Fan	B5
M2	31	PSU Fan	B5
M3	2	Polygon Motor	F5
Magnetic Clutches			
MC1	9	Relay Clutch	D5
MC2	22	Paper Feed Clutch 1	D5
MC3	11	Registration Clutch	D5
Switches			
SW1	26	Rear Cover SW: Left	B5
SW2	28	Rear Cover SW: Right	B5
SW3	34	Front Door Switch	C5
SW4	21	Paper Size Switch	E5
Solenoid			
SOL1	8	By-pass Solenoid	D1
Sensors			
S1	7	By-pass Paper Sensor	D1
S2	19	Paper End Sensor	D1
S3	18	Remaining Paper Sensor 1	D1
S4	17	Remaining Paper Sensor 2	D1
S5	20	Toner End Sensor	D1
S6	10	Registration Sensor	E2
S7	16	Fusing Pressure Sensor	A5
S8	4	Fusing Exit Sensor	B5
S9	5	Overflow Sensor	B5
S10	3	Paper Exit Sensor	B5
PCBs			
PCB1	23	Engine	D3
PCB2	25	CTL (Controller)	G4
PCB3	27	PSU (Power Supply Unit)	B2
PCB4	31	HVPS (High Voltage Supply Board)	C2
PCB5	24	OPU	E5
PCB6	1	LD Driver	
PCB7	6	Laser Sync. Detector	
Lamps			
L1	13	Fusing	A1
L2	32	Quenching	B5
Others			
TM1	15	Thermostat	A1
TH1	14	Fusing Thermistor	A1
TH2	33	Internal Thermistor	C2



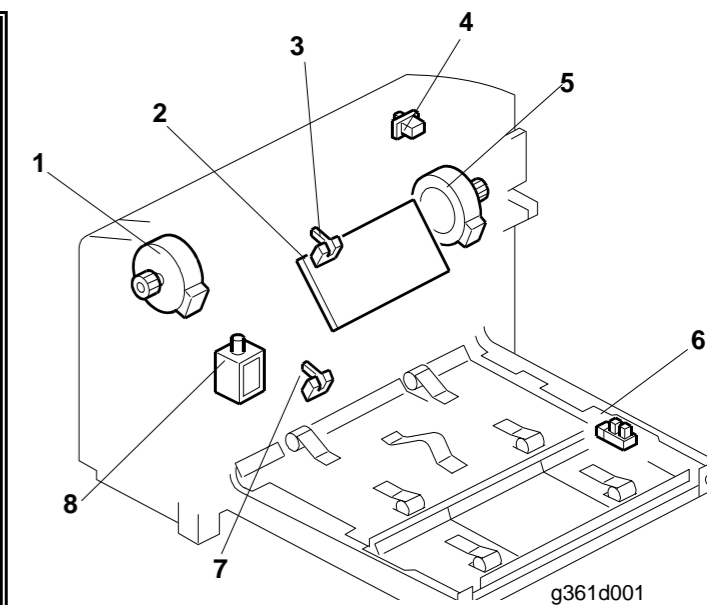
Paper Feed Unit (M374)

Symbol	Index No.	Description	P to P
Motor			
M1	6	Paper Feed Motor	B7
Sensors			
S1	4	Paper End Sensor	C7
S2	2	Remaining Paper Sensor 1	C7
S3	3	Remaining Paper Sensor 2	D7
S4	5	Paper Feed Sensor	D7
Switch			
SW1	7	Paper Size Switch	B7
Clutch			
MC1	8	Paper Feed Clutch	B7
PCB			
PCB1	1	Paper Feed Board	B4

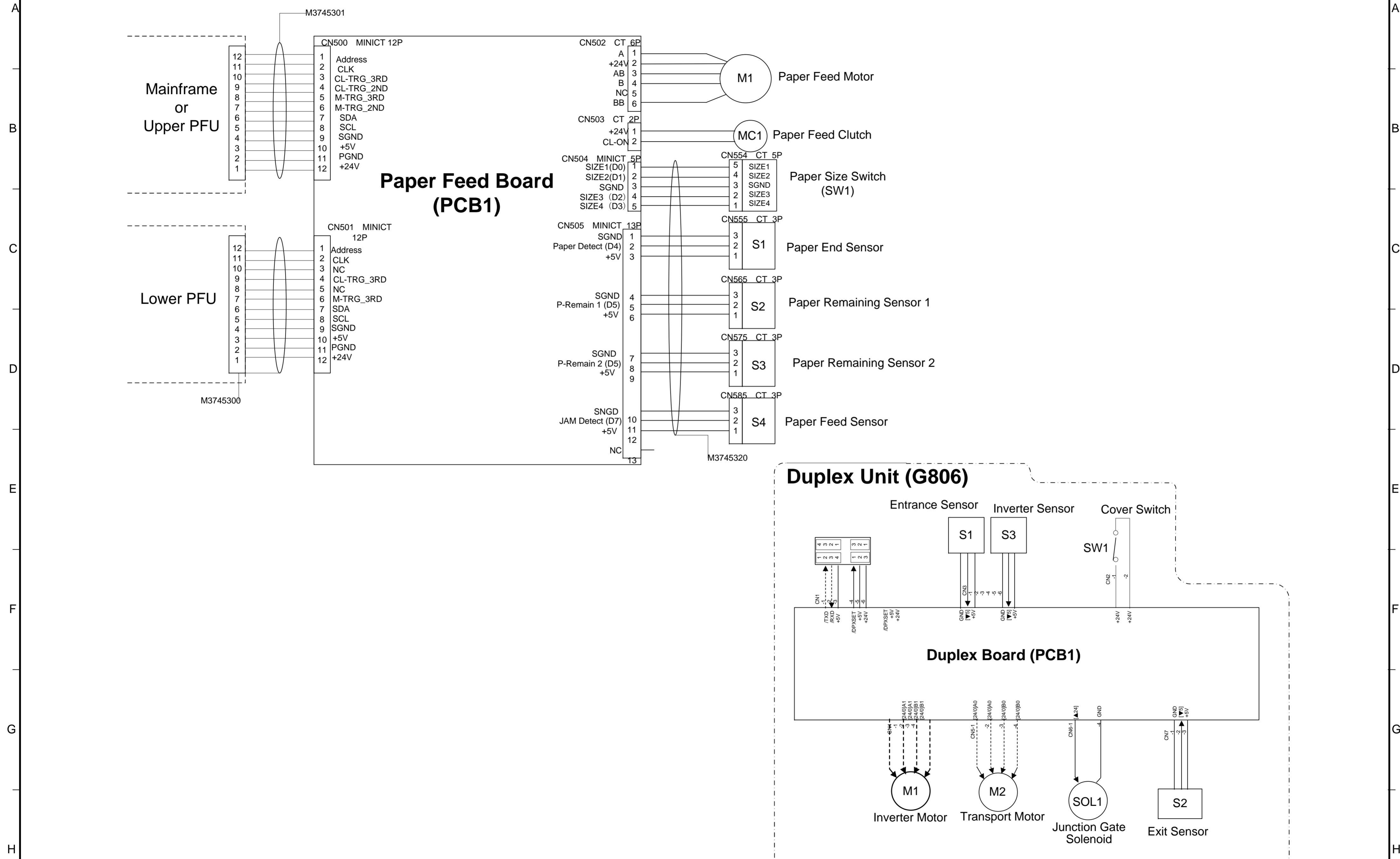


Duplex Unit (G806)

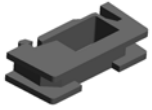
Symbol	Index No.	Description	P to P
Motors			
M1	5	Inverter	H8
M2	1	Transport	H9
Sensors			
S1	3	Entrance	E8
S2	6	Exit	H10
S3	7	Inverter	E9
Switch			
SW1	4	Cover	E10
Solenoid			
SOL1	8	Junction Gate	H9
PCB			
PCB1	2	Duplex Board	F8, 9



Paper Feed Unit (M374)/ Duplex Unit (G806) POINT TO POINT DIAGRAM



Standard Parts



11050522
EDGE SADDLE - LES0510



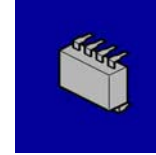
11050534
CLAMP



11500415
POWER SUPPLY CODE:125V
:NA



12042521
SWITCH:V-5F932DN



14076732
RAM:FM25L512-PGC(REV.AC
) :512K

PM Part List

Number	Part Name	Num	Group	ID
G0523103	PAPER FEED ROLLER	1	U005	40
G0524618	BEARING 30X42X7	2	U008_S001	6
G0524624	HOT ROLLER STRIPPER	5	U008_S001	9
G0524665	BUSHING - PRESSURE ROLLER	2	U008_S001	13
G0884656	PRESSURE ROLLER	1	U008_S001	23
G1114063	HOT ROLLER	1	U008_S001	27
G1116256	TRANSFER ROLLER	1	U007_S001	12
G1682766	FRICTION PAD - CASSETTE	1	U004_S003	46
G1684178	FUSING THERMISTOR	1	U008_S001	42
M0451336	FILTER:POWER SUPPLY UNIT	1	U001	22
M0474051	FUSING UNIT:NA	1	U008_S001	52

