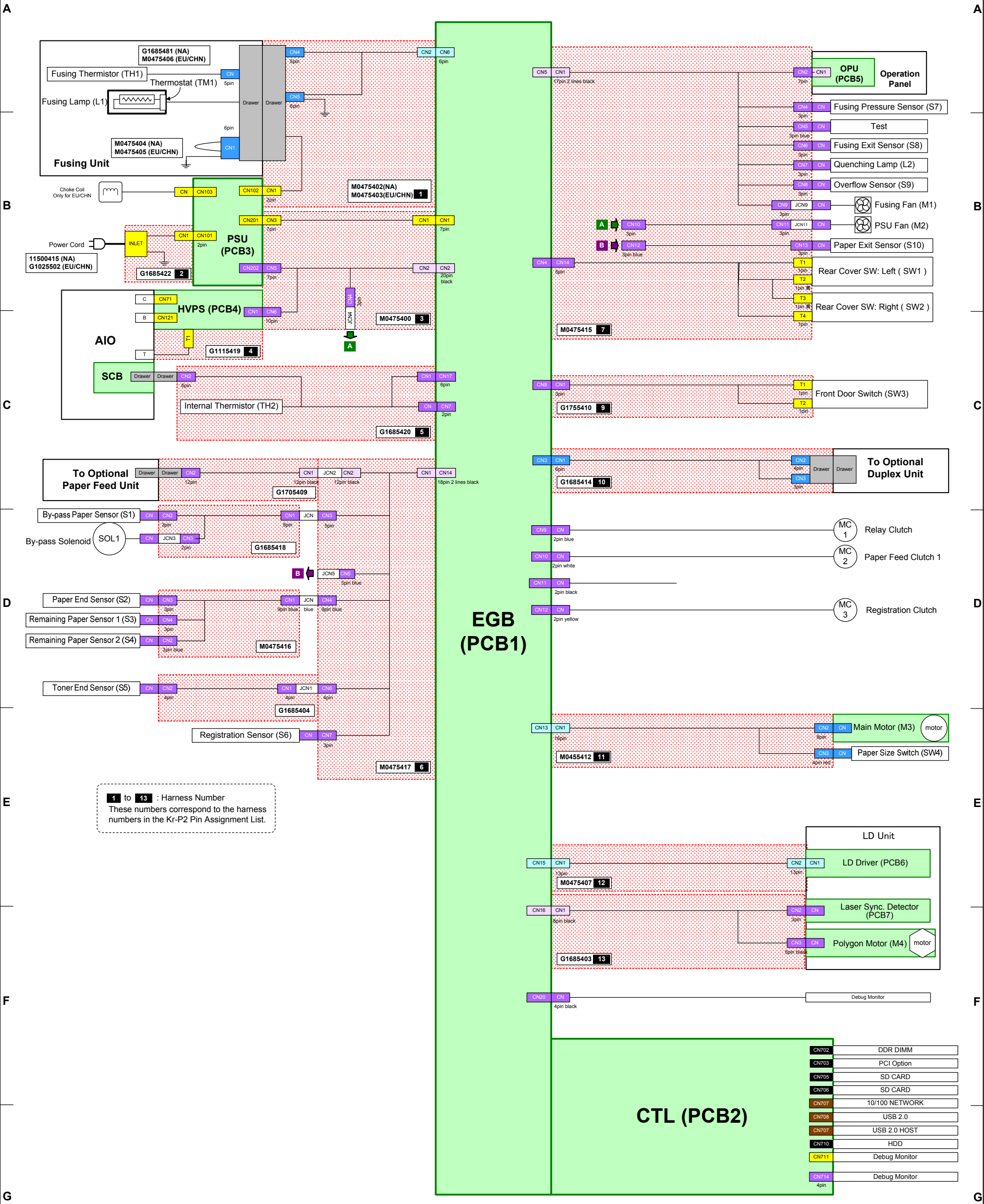


Model Kr-P2 (M047) POINT TO POINT DIAGRAM

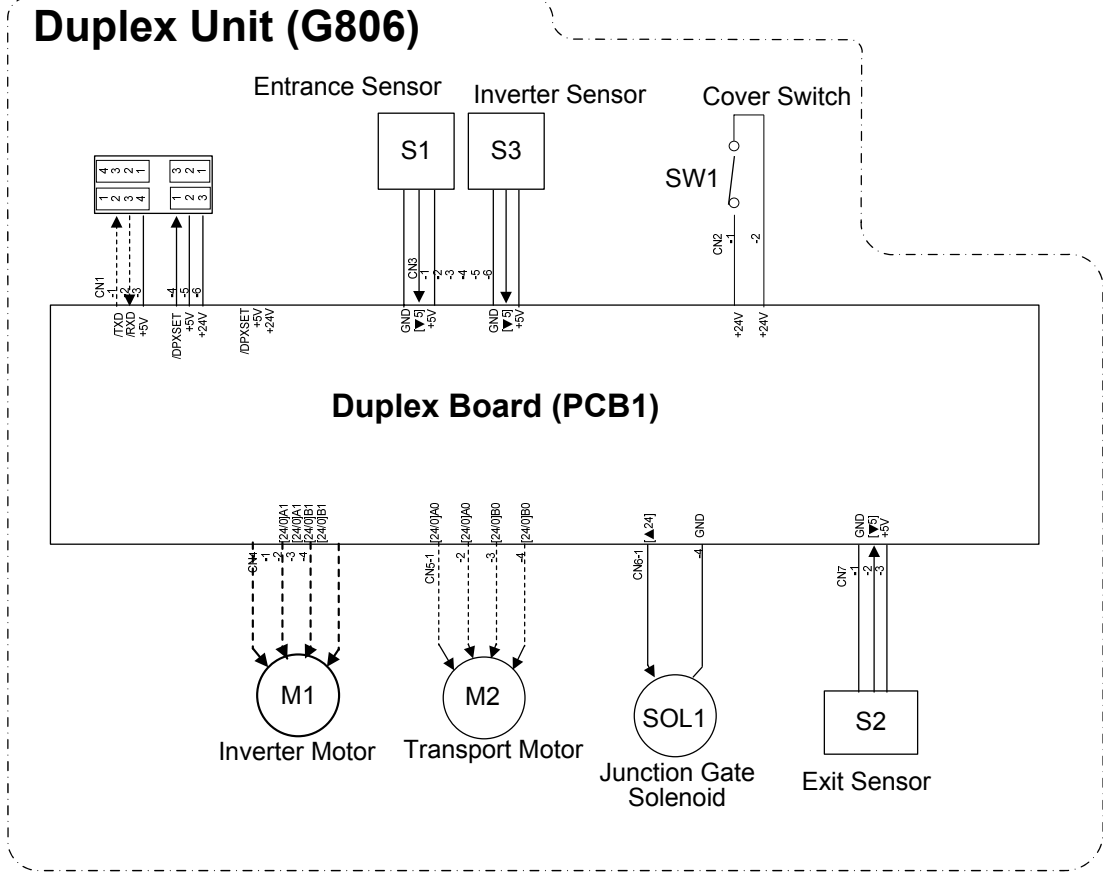
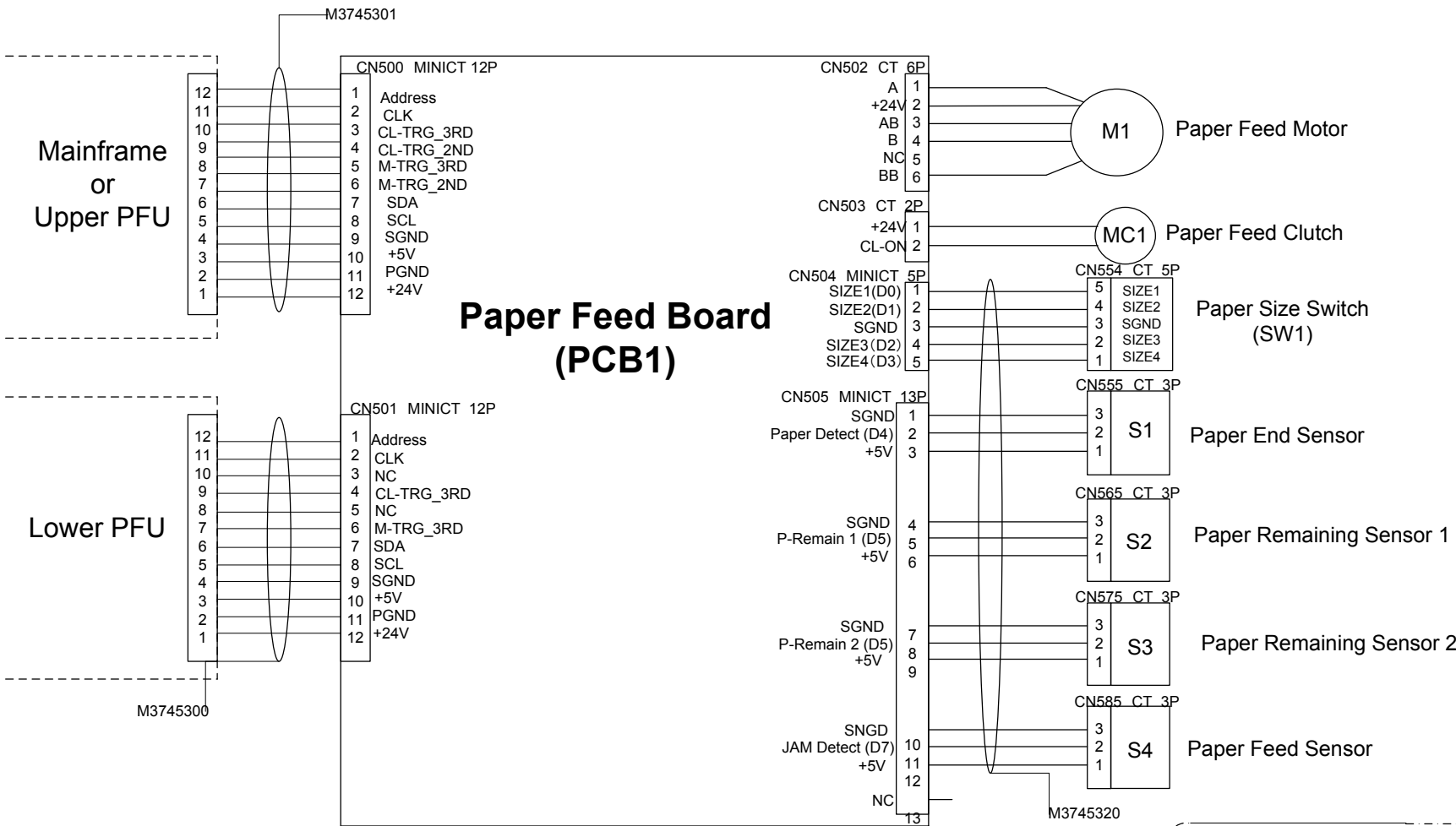


Kr-P2 (M047) Pin Assignment List

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	CN102	PSU	1	N.C.				Not used	Drawer	4	Fusing Unit (Fusing Lamp)	4
				2	N.C.						3		
				1	Heater N						2		
				2	Heater L						1		
				1	N.C.						5		
				2	Thermistor Signal	←					4		
		CN6	EGB	2	GND				Not used	CN4	3	Fusing Unit (Fusing Thermistor, New Detection)	3
				3	+5V						2		
				4	New Detection	←	New if 2.6V or more is detected.				1		
				5	N.C.						6		
				5	+5V						4		
				6	N.C.						3		
		T1	F.G.	6	Fusing Unit Set Detection	←	Not set if less than 0.5V is detected.		Not used	CN5	2	Fusing Unit (Set Detection)	2
				1	N.C.						1		
				1	F.G.						5		
				1	N.C.						4		
				1	Heater N						3		
				2	Heater L						2		
1 (EU/CHN)	M0475403	CN102	PSU	1	N.C.				Not used	Drawer	4	Fusing Unit (Fusing Lamp)	4
				2	N.C.						3		
				1	Heater N						2		
				2	Heater L						1		
				1	N.C.						5		
				2	Thermistor Signal	←					4		
		CN6	EGB	2	GND				Not used	CN4	3	Fusing Unit (Fusing Thermistor, New Detection)	3
				3	+5V						2		
				4	New Detection	←	New if 2.6V or more is detected.				1		
				5	N.C.						6		
				5	+5V						4		
				6	N.C.						3		
		T1	F.G.	6	Fusing Unit Set Detection	←	Not set if less than 0.5V is detected.		Not used	CN5	2	Fusing Unit (Set Detection)	2
				1	N.C.						1		
				1	F.G.						5		
				1	N.C.						4		
				1	Heater N						3		
				2	Heater L						2		
2	G1685422	CN1	PSU	1	N.C.				Not used	INLET	4	Power Cord	4
				2	AC-L						3		
				2	AC-N						2		
				1	F.G.						1		
				1	N.C.						5		
				2	Thermistor Signal	←					4		
		CN6	EGB	2	GND				Not used	CN4	3	Fusing Unit (Fusing Thermistor, New Detection)	3
				3	+5V						2		
				4	New Detection	←	New if 2.6V or more is detected.				1		
				5	N.C.						6		
				5	+5V						4		
				6	N.C.						3		
		T1	F.G.	6	Fusing Unit Set Detection	←	Not set if less than 0.5V is detected.		Not used	CN5	2	Fusing Unit (Set Detection)	2
				1	N.C.						1		
				1	F.G.						5		
				1	N.C.						4		
				1	Heater N						3		
				2	Heater L						2		
3	M0475400	CN1	EGB	1	N.C.				Not used	CN3	4	PSU	4
				2	GND						3		
				3	GND						2		
				4	+24V						3		
				4	+24V						4		
				5	GND						5		
				6	+5V						6		
		CN2	EGB	7	+5VE		Energy Saver Mode		M0475415	CN11	7	PSU Fan	7
				1	PSU Fan Motor Control	→	Motor: OFF	Motor: ON			3		
				2	PSU Fan Motor Lock Detection	←	Lock (Normal)	Error			2		
				3	GND						1		
				4	Power Control	→	Power ON	Power OFF			7		
				5	Fusing Lamp Control	→	Lamp OFF	Lamp ON			6		
				6	Fusing Zero Cross	←	Interrupt				5		
				7	Fusing Relay Control	→	Relay ON	Relay OFF			4		
				8	Pressure Resist Test +24V						3		
				9	+24VS						2		
				10	LD +5V						1		
CN6	HVPP	11	Transfer bias: FB	←			Not used	CN6	10	HVPP	10		
		12	Charge bias: FB	←					9				
		13	DEV bias: FB	←					8				
		14	Transfer (-)PWM Ctl	→					7				
		15	Transfer (+)PWM Ctl	→					6				
		16	Charge V PWM Ctl	→					5				
		17	DEV V PWM Ctl	→					4				
		18	+5V						3				
		19	GND						2				
		20	+24VS						1				
4 5	G11154318 G1685420 (G1685423) (G1685425)	CN17	HVPP	1	Transfer Current	→			Not used	T	1	Transfer Roller	1
				1	GND						6		
				2	SCB Set Detection	←	Set	Not Set			5		
				3	SCB +5V						4		
				4	I2C Serial Lock	→					3		
				5	I2C Serial Data	→→→					2		
		CN7	EGB	6	GND				Not used		2	Inner Thermistor	2
				1	Inner Thermistor	←					1		
				2	GND								

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	→								11			
				3	PFU2: Feed CL Ctl	→	CL ON	CL OFF						10			
				4	PFU1: Feed CL Ctl	→	CL ON	CL OFF						9			
				5	PFU2: Feed Motor Ctl	→	Motor ON	Motor OFF						8			
				6	PFU1: 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						G1685418	CN2	Bypass Paper End Sensor	3			
				14	Bypass Paper Set Detect	→	Paper Detected	Paper Not Detected						2			
				15	+5V									1			
				16	+24V									CN3	Bypass Solenoid	2	
				17	Bypass SOL Ctl	→	SOL ON	SOL OFF								1	
				18	N.C.												
				19	GND									M0475415	CN13	Paper Exit Sensor	3
				20	Paper Exit Sensor	→	Paper Detected	Paper Not Detected									2
				21	+5V												1
				22	GND									M0475416	CN3	T1: Paper End Sensor	3
				23	T1: Paper End Sensor	→	Paper Detected	Paper Not Detected									2
				24	+5V												1
				25	GND						CN4	1: Paper Remaining Sensor	3				
				26	T1: Paper Remainance Sn1	→	250 or more	249 or less					2				
				27	+5V								1				
				28	GND						CN2	1: Paper Remaining Sensor	3				
				29	T1: Paper Remainance Sn2	→	less than 50 or more than 450	50 to 449					2				
				30	+5V								1				
				31	GND						G1685404	CN2	Toner End Sensor	4			
				32	N.C.									3			
				33	+5V									2			
				34	Toner End Sensor	→	Toner End	Toner Remaining			Not used	CN7	Registration Sensor	3			
				35	GND									2			
				36	Regist Detect Interrupt	→	Interrupt							1			
		7	M0475415	CN5	EGB	1	GND				Not used	CN2	Operation Panel	7			
						2	+5VE							Energy Saver Mode		6	
						3	OP Serial Lock	→						Energy Saver Mode		5	
						4	+5VE									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						Not used	CN4	Fusing Pressure Sensor	3	
						19	Fusing Pressure Detection	→	Plain Paper	Thick Paper						2	
						20	+5V						Not used	CN5	Safety Test	1	
21	GND										3						
22	Pressure Resist Test +24V					→						2					
23	Fusing Relay Control					→	SW ON	SW OFF			Not used	CN6	Fusing Exit Sensor	1			
24	GND													3			
25	Fusing Exit Sensor					→	Paper Detected	Paper Not Detected			Not used	CN7	Quenching Lamp	2			
26	+5V													1			
27	QL Ctl					→	QL ON	QL OFF			Not used	CN8	Overflow Sensor	3			
28	+24V													2			
29	GND										Not used	CN9	Fusing Fan	1			
30	Overflow Sensor					→	Full	Not Full						3			
31	+5V										Not used	CN9	Fusing Fan	2			
32	Fusing Fan Ctl					→	Low Speed	High Speed						3			
33	Fusing Fan Lock Detect					→	Lock (Normal)	Error				2					
34	GND										Not used	T1	Rear Cover SW: Left	1			
35	+24V																
36	N.C.										Not used	T4	Rear Cover SW: Right	1			
37	+24VSR2																
38	N.C.								Not used	T2	Rear Cover SW: Left	1					
39	+24VSR2																
40	+24VSR2								Not used	T3	Rear Cover SW: Right	1					
41	+24VSR2																
42	N.C.						Not used	T1	Front Door SW	1							
43	+24VSR																
44	+24VSR						Not used	T2	Front Door SW	1							
45	+24VSR																

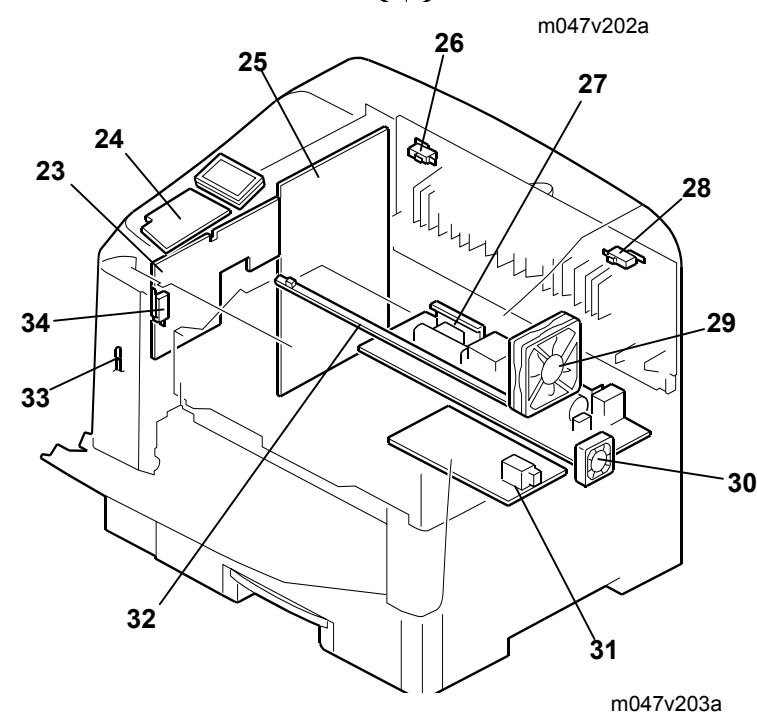
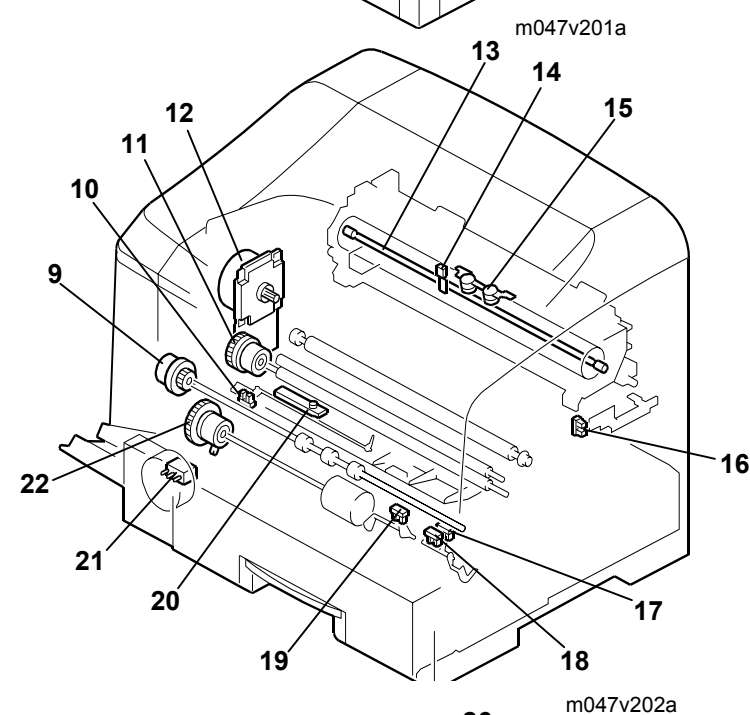
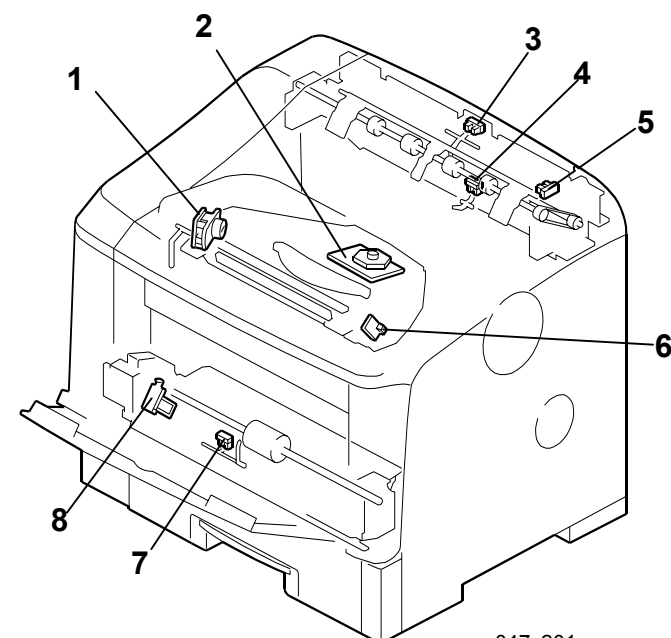
Paper Feed Unit (M374)/ Duplex Unit (G806) POINT TO POINT DIAGRAM



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

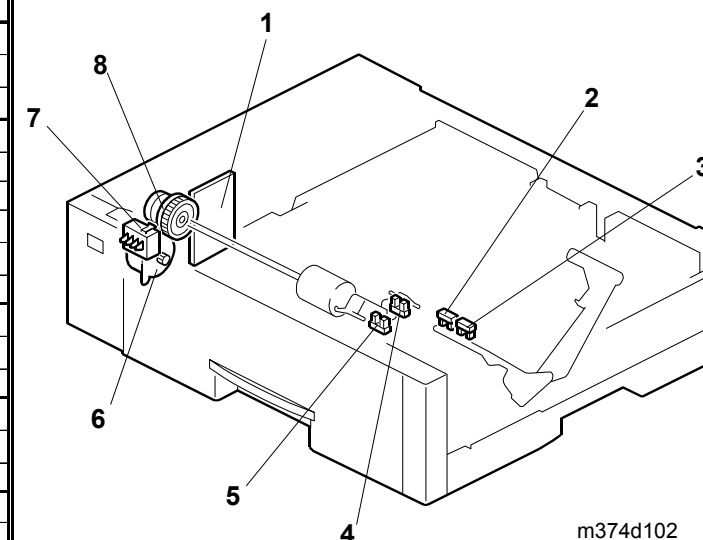
Printer (M047)

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

