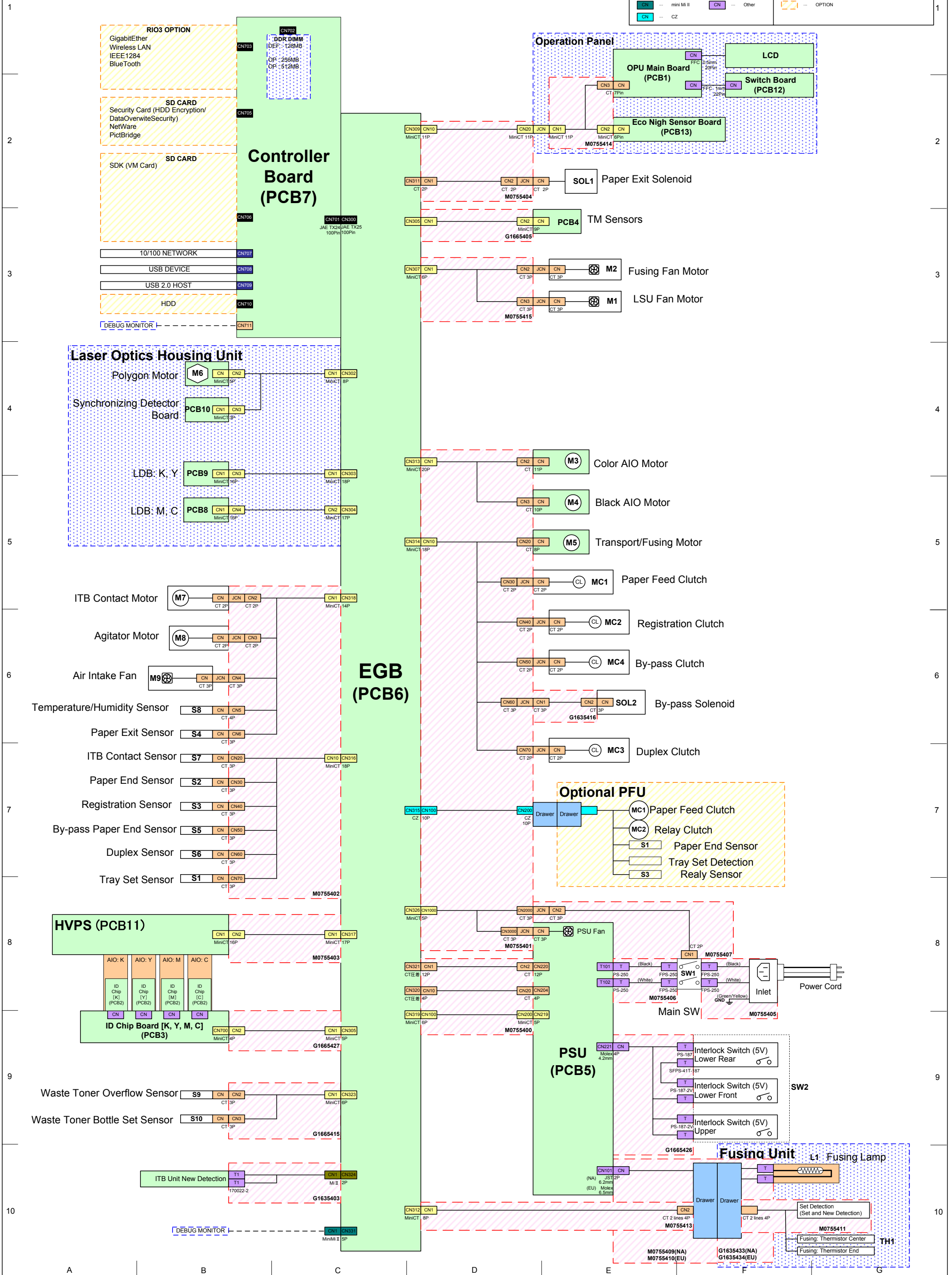


M075 Point to Point Diagram

CN	CT	CN	Drawer	H	Harness No.	H	Harness
mini CN	mini CT	External IF	External IF	PCB	PCB	UNIT	Electrical Component
MI II	MI II	B to B	B to B	OPTION	OPTION		Connector color
mini MI II	mini MI II	Other	Other				
CZ	CZ						



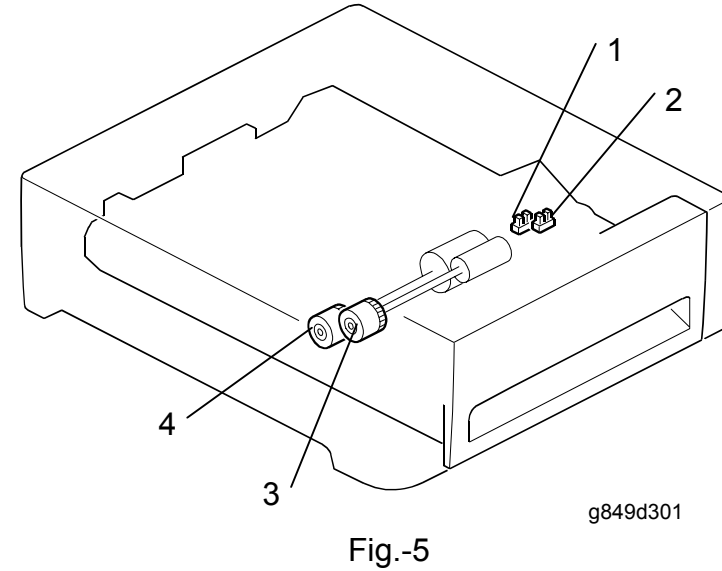
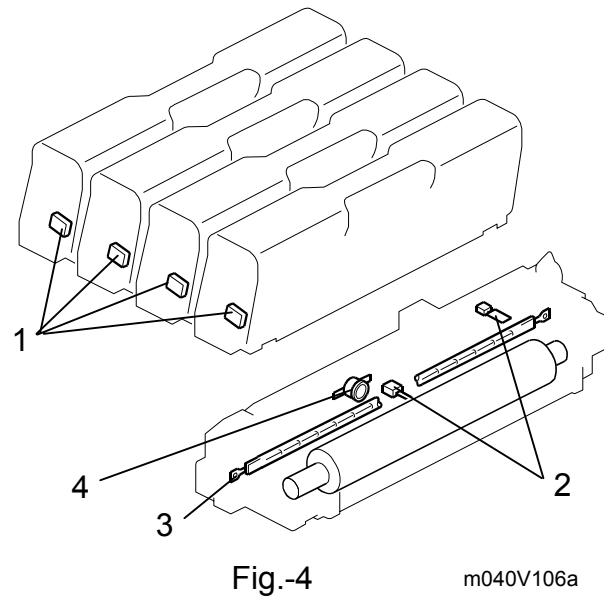
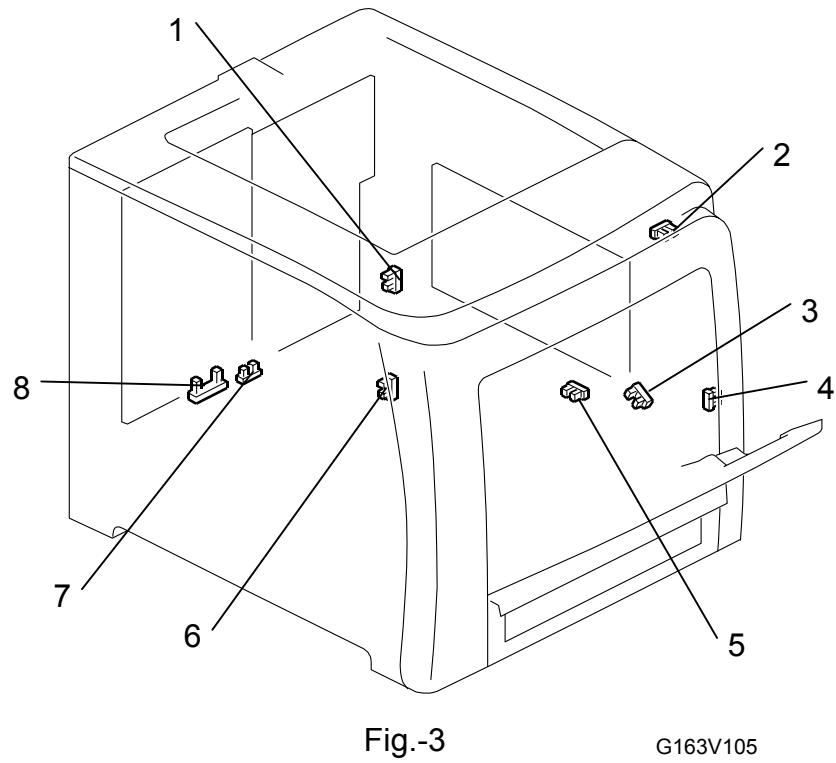
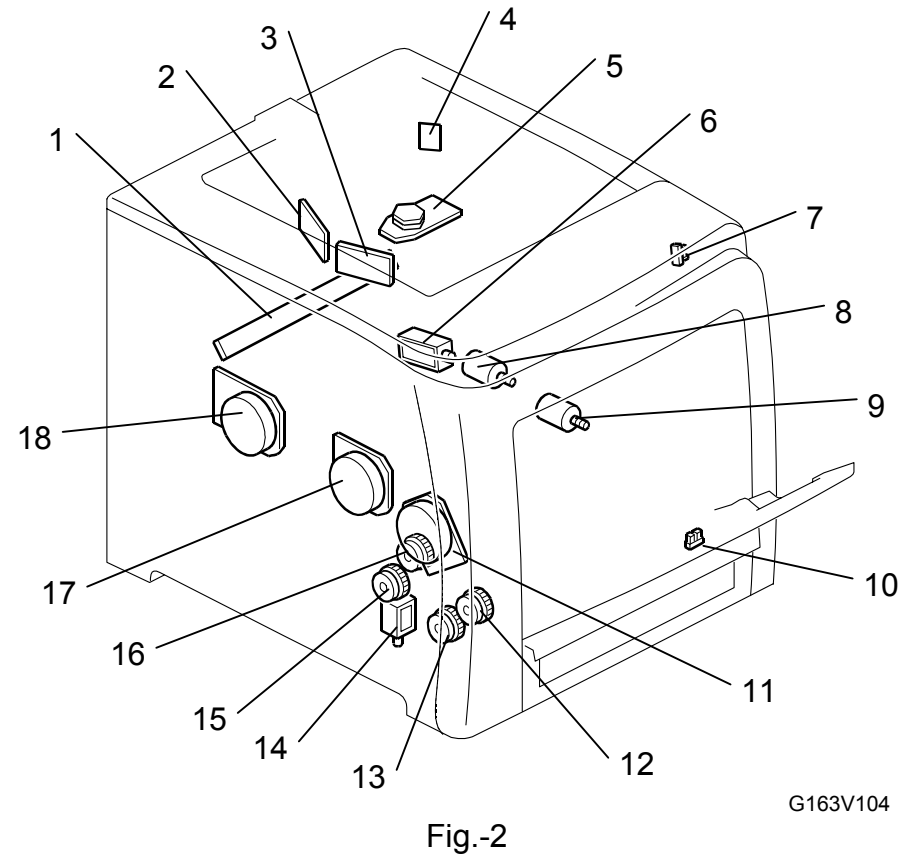
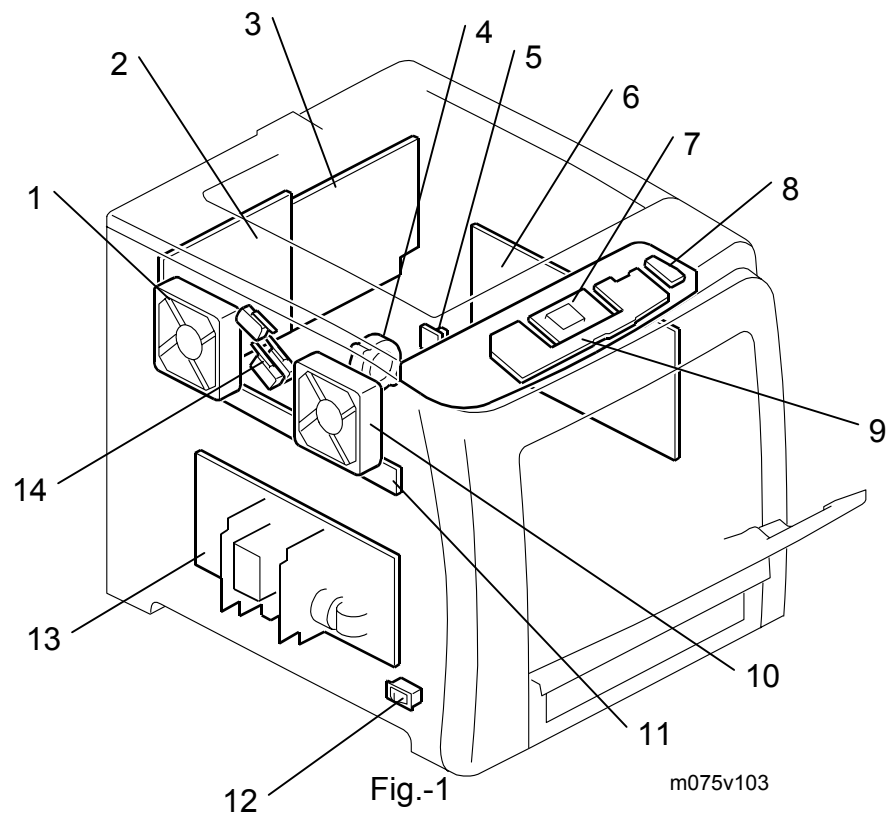
M075 Pin Assignment Lists (1/2)

Harness No.	Harness P/N	CN (From)		Signal Info.		Direction		L		H		CN (To)		Device	Pin No.							
		No.	Device	Pin No.	Signal Name	Direction	L	H	No.	Device	Pin No.	Signal Name										
1	G1665400	CN1	EGB CN302	1	+24V (Energy Saver)	→						CN2	Polygon Motor	5	4							
				2	GND	→									4							
				3	Polygon Mtr L: Start	→	Start		Stop						3							
				4	Polygon Mtr Synchronization	→	Synchronized		Not Synchronized						2							
				5	Polygon Mtr CLK OUT	→									1							
				6	Synch. 1 (KMYC START)	→									3							
				7	+5V (Energy Saver)	→									2							
				8	GND	→									1							
2	G1665456	CN1	EGB CN303	1	GND	→						CN3	LDB: K, Y	16	1							
				2	GND	→									15							
				3	GND	→									14							
				4	LDLVL2(Y)	→									13							
				5	LDLVL1(K)	→									12							
				6	LDERR_N	→									11							
				7	LDOFF2(Y)	→									10							
				8	LDOFF1(K)	→									9							
				9	APC2EN_N(Y)	→									8							
				10	APC2EN_N(K)	→									7							
				11	LDD1(K)	→									6							
				12	LDD1_N(K)	→									5							
				13	NC	→									4							
				14	LDD2(Y)	→									3							
				15	LDD2_N(Y)	→									2							
				16	NC	→									1							
				17	+5V_LD (Energy Saver)	→									2							
				18	+5V_LD (Energy Saver)	→									1							
2	G1665456	CN2	EGB CN304	1	GND	→						CN4	LDB: C, M	16	1							
				2	GND	→									15							
				3	GND	→									14							
				4	LDLVL2(M)	→									13							
				5	LDLVL1(C)	→									12							
				6	LDERR_N	→									11							
				7	LDOFF2(M)	→									10							
				8	LDOFF1(C)	→									9							
				9	APC2EN_N(M)	→									8							
				10	APC2EN_N(C)	→									7							
				11	LDD1(C)	→									6							
				12	LDD1_N(C)	→									5							
				13	LDD2(M)	→									4							
				14	LDD2_N(M)	→									3							
				15	NC	→									2							
				16	+5V_LD (Energy Saver)	→									1							
				17	+5V_LD (Energy Saver)	→									1							
				3	M0755402	CN1	EGB CN318	1	ITB Contact Motor-CTL SIG (CCW)	→								G1665457	CN2	ITB Contact Motor	2	2
2	ITB Contact Motor-CTL SIG (CW)	→											1									
3	Agitator Motor-CTL SIG L-ON	→											2									
4	+24V_IL2_FU (Energy Saver)	→											1									
5	Air Intake Fan-Operation SIG	→											3									
6	Air Intake Fan-LOCK Detect SIG	→	Normal						Error				2									
7	GND	→											1									
8	Temp Info. SIG: Analog IN	→											4									
9	GND	→											3									
10	Hum Info. SIG: Analog IN	→											2									
11	+5V (Energy Saver)	→											1									
12	GND	→											1									
13	Paper Exit SN-SIG	→	Paper Detected						Paper Not Detected				3									
14	+5V (Energy Saver)	→											2									
15	GND	→											1									
3	M0755402	CN10	EGB CN316					1	GND	→						CN20	ITB Contact Sensor				3	3
								2	ITB Contact SN-SIG: H>Contact, L:Not Cont.	→	Not Contact		Contact									2
								3	+5V (Energy Saver)	→												3
				4	GND	→							2									
				5	Paper End SN: SIG L:Paper Detected	→	Paper Detected		Paper Not Detected				3									
				6	+5V (Energy Saver)	→							2									
				7	GND	→							1									
				8	Regist SN: SIG L:Paper Detected	→	Paper Detected		Paper Not Detected				3									
				9	+5V (Energy Saver)	→							2									
				10	By-pass P-End SN: Detect SIG L:Paper Detect	→	Paper Detected		Paper Not Detected				3									
				11	+5V (Energy Saver)	→							2									
				12	GND	→							1									
				13	Duplex SN: Detect SIG H: Paper Detected	→	Paper Detected		Paper Not Detected				3									
				14	+5V (Energy Saver)	→							2									
				15	GND	→							1									
				16	Tray Set SN: Detect SIG H: Set	→	Not Set		Set				3									
				17	+5V (Energy Saver)	→							2									
				18	GND	→							1									
4	M0755403	CN1	EGB CN317	1	GND	→						CN2	HVPS	16	16							
				2	GND	→									15							
				3	+24V_IL2 (Energy Saver)	→									14							
				4	+24V_IL2 (Energy Saver)	→									13							
				5	Error detect SIG L:SC	→									12							
				6	Error Detect SIG: Reserve	→									11							
				7	Bias Control SIG L: Bias ON	→									10							
				8	PTR (+) Control PWM SIG	→									9							
				9	PTR (-) Control PWM SIG	→									8							
				10	ITB Bias Control PWM SIG	→									7							
				11	DEV C:Control PWM SIG	→									6							
				12	DEV M:Control PWM SIG	→									5							
				13	DEV Y:Control PWM SIG	→									4							
				14	DEV K:Control PWM SIG	→									3							
				15	Charge CMY:Control PWM SIG	→									2							
				16	Charge K:Control PWM SIG	→									1							
				17	-	→									1							
				5	G1665415	CN1	EGB CN323	1	GND	→								CN2	Waste Toner Overflow Sensor	3	3	
2	Waste Tnr Overflow SN: SIG IN H: Full	→							Full				2									
3	+5V (Energy Saver)	→											1									
4	GND	→											1									
5	Waste Tnr Bottle Set SN	→	Set						Not Set				3									
6	+5V (Energy Saver)	→											2									
7	GND	→											1									
8	Waste Tnr Bottle Set SN	→	Set						Not Set				1									
6	G1635403	CN1	EGB CN324	1	+24V_IL2_FU(Energy Saver, IL対応)	→					T1	ITB Unit New Detection	1	1								
				2	ITB Unit: New Detect SIG	→								2								
7	M0755404	CN1	EGB CN311	1	+24V_IL2 (Energy Saver)	→						M0755414	CN2	Paper Exit Solenoid	1	1						
				2	Paper Exit SOF: Operation SIG	→	ON		OFF							2						
				1	Ligt Level 4	→										6						
				2	Ligt Level 3	→										5						
				3	Ligt Level 2	→										4						
				4	Ligt Level 1	→										3						
				5	GND	→										2						
				6	+5VE (No Energy Saver)	→										7						
				7	-	→										6						
				8	Serial Data TX CLK	→										5						
				9	+5VE (No Energy Saver)	→										4						
10	Serial Data (OUT)	→							3													
11	Serial Data (IN)	→							2													
12	GND	→							1													
8	G1665405	CN1	EGB CN305	1	GND	→						CN2	TM Sensor Board	9	9							
				2	TM SN 1:PWM SIG RIGHT	→	ON		OFF						8							
				3	TM SN 1:Detect SIG RIGHT Analog IN	→									7							
				4	TM SN 3: Detect SIG CENTER R Analog IN	→									6							
				5	+5V (Energy Saver)	→									5							
				6	TM SN 3:PWM SIG CENTER	→									4							
				7	TM SN 3:Detect SIG CENTER D Analog IN	→									3							
				8	TM SN 2:Detect SIG LEFT Analog IN	→									2							
				9	TM SN 2:PWM SIG LEFT	→									1							
9	G1665454	CN1	EGB CN307	1	LSU Fan: Operation SIG	→	OFF		ON			CN2	Fusing Fan Motor	1	1							
				2	LSU Fan: LOCK Detect SIG	→	Normal		Error						2							
				3	GND	→									3							
				4	Fusing Fan: Operation SIG	→	OFF		ON						1							
				5	Fusing Fan: LOCK Detect SIG	→	Normal		Error						2							
10	G1665427	CN1	EGB CN308	1	GND	→						CN2	ID Chip Board [K, Y, M, C]	4	4							
				2	DATA (IC)	→									3							
				3	CLK (IC)	→									2							
				4	+5V_ID (Energy Saver, Soft SW)	→									1							
				5	NC	→									1							
11	M0755401	CN1	EGB CN313	1	Cv AIO Mtr: Gain SW SIG	→	Low SPD		High SPD			CN2	Color AIO Motor	11	11							
				2	Cv AIO Mtr: CLK SIG	→									10							
				3	Cv AIO Mtr: Start/Stop SIG	→	Start		Stop						9							
				4	Cv AIO Mtr: LOCK SIG	→	Normal		Error						8							
				5	GND	→									7							
				6	GND	→									6							
				7	+24V_IL1 (Energy Saver, IL対応, 7.7A専用)	→									5							
				8	+24V_IL1 (Energy Saver, IL対応, 7.7A専用)	→									4							
				9	+24V_IL1 (Energy Saver, IL対応, 7.7A専用)	→									3							
				10	GND	→									2							
				11	NC	→									1							
				12	BK AIO Mtr: Gain SW SIG	→	Low SPD		High SPD						10							
				13	BK AIO Mtr: CLK SIG	→									9							
				14	BK AIO Mtr: Brake SIG	→									8							
				15	BK AIO Mtr: FW REV SIG	→	Forward		Reverse						7							
				16	BK AIO Mtr: Start/Stop SIG	→	Start		Stop						6							
				17	BK AIO Mtr: LOCK SIG	→	Normal		Error						5							
				18	GND	→									4							
				19	GND	→									3							
				20	+24V																	

M075 Pin Assignment Lists (2/2)

Harness No.	Harness P/N	CN (From)			Signal Info				Relay Harness P.N.	CN (To)		
		No.	Device	Pin No.	Signal Name	Direction	L	H		No.	Device	Pin No.
B TO B		CTL		1	GND					PCI option	1	
				2	INT_N	→					2	
				3	GND						3	
				4	Reserved						4	
				5	GND						5	
				6	CLKRUN	→					6	
				7	GND						7	
				8	RST_N	→					8	
				9	GND						9	
				10	CLK	→					10	
				11	GND						11	
				12	GNT_N	→					12	
				13	GND						13	
				14	REQ_N	→					14	
				15	GND						15	
				16	PME_N	→					16	
				17	AD31	→					17	
				18	AD30	→					18	
				19	AD29	→					19	
				20	AD28	→					20	
				21	AD27	→					21	
				22	AD26	→					22	
				23	GND						23	
				24	AD25	→					24	
				25	AD24	→					25	
				26	C/BE3_N	→					26	
				27	GND						27	
				28	IDSEL	→					28	
				29	AD23	→					29	
				30	AD22	→					30	
				31	GND						31	
				32	AD21	→					32	
				33	AD20	→					33	
				34	AD19	→					34	
				35	GND						35	
				36	AD18	→					36	
				37	AD17	→					37	
				38	AD16	→					38	
				39	GND						39	
				40	C/BE2_N	→					40	
				41	FRAME_N	→					41	
				42	TRDY_N	→					42	
				43	GND						43	
				44	TRDY_N	→					44	
				45	DEVSEL_N	→					45	
				46	STOP_N	→					46	
				47	GND						47	
				48	PERR_N	→					48	
				49	SERR_N	→					49	
				50	PAR	→					50	
				51	GND						51	
				52	C/BE1_N	→					52	
				53	AD15	→					53	
				54	AD14	→					54	
				55	GND						55	
				56	AD13	→					56	
				57	AD12	→					57	
				58	AD11	→					58	
				59	GND						59	
				60	AD10	→					60	
				61	AD9	→					61	
				62	AD8	→					62	
				63	GND						63	
				64	C/BE0_N	→					64	
				65	AD7	→					65	
				66	AD6	→					66	
				67	AD5	→					67	
				68	AD4	→					68	
				69	AD3	→					69	
				70	AD2	→					70	
				71	+3.3V PW	→					71	
				72	AD1	→					72	
				73	+3.3V PW	→					73	
				74	AD0	→					74	
				75	+3.3V PW	→					75	
				76	Reserved						76	
				77	+3.3V PW	→					77	
				78	Reserved						78	
				79	+3.3V PW	→					79	
				80	Reserved						80	
				81	+3.3V PW	→					81	
				82	Reserved						82	
				83	+5V PW	→					83	
				84	Reserved						84	
				85	+5V PW	→					85	
				86	Reserved						86	
				87	+3.3V PW	→					87	
				88	+24V PW	→					88	
B TO B		CTL CN705	1	Data	→				SD Card	1		
			2	Command	→					2		
			3	GND						3		
			4	PW	→					4		
			5	CLK	→					5		
			6	GND						6		
			7	Data	→					7		
			8	Data	→					8		
			9	Data	→					9		
B TO B		CTL CN706	1	Data	→				SD Card for Storage	1		
			2	Command	→					2		
			3	GND						3		
			4	PW	→					4		
			5	CLK	→					5		
			6	GND						6		
			7	Data	→					7		
			8	Data	→					8		
			9	Data	→					9		
External I/F		CTL CN707	1	RX Data(+)	→				10/100 NETWORK	1		
			2	RX Data(-)	→					2		
			3	RCT	→					3		
			4	TCI	→					4		
			5	TX Data(+)	→					5		
			6	TX Data(-)	→					6		
			7	NC	→					7		
			8	FG	→					8		
			9							9		
External I/F		CTL CN708	1	+5VE PW	→				USB DEVICE	1		
			2	Data-	→					2		
			3	Data+	→					3		
			4	GND						4		
External I/F		CTL CN709	1	+5VE PW	→				USB HOST	1		
			2	Data-	→					2		
			3	Data+	→					3		
			4	GND						4		
B TO B		CTL CN710	1	+5VE PW	→		Energy Saver		HDD	1		
			2	+5VE PW	→		Energy Saver			2		
			3	Reserve						3		
			4	FAN Control Signal	→		FAN ON			4		
			5	HDD Power Detect	→		HDD PW Detect			5		
			6	I2C Data	→					6		
			7	HDD Buffer Direction	→	HDD→CTL	CTL→HDD			7		
			8	HDD DataBus	→					8		
			9	HDD DataBus	→					9		
			10	HDD DataBus	→					10		
			11	HDD DataBus	→					11		
			12	HDD DataBus	→					12		
			13	HDD DataBus	→					13		
			14	HDD DataBus	→					14		
			15	HDD DataBus	→					15		
			16	HDD DataBus	→					16		
			17	HDD DataBus	→					17		
			18	HDD DataBus	→					18		
			19	HDD Write Signal	→					19		
			20	HDD Read Signal	→					20		
			21	HDD Acknowledge	→					21		
			22	Interrupt Request	→					22		
			23	HDD Address Bus	→					23		
			24	HDD Address Bus	→					24		
			25	Chip Select 1	→					25		
			26	+5VE PW	→					26		
			27	+5VE PW	→					27		
			28	GND						28		
			29	HDD Control Signal	→	HDD PW ON	OFF			29		
			30	Power Control Signal	→	CTL PW ON	OFF			30		
			31	GND						31		
			32	I2C Clock	→					32		
			33	HDD Reset Signal	→					33		
			34	HDD Data Bus	→					34		
			35	GND						35		
			36	HDD Data Bus	→					36		
			37	GND						37		
			38	HDD Data Bus	→					38		
			39	NC	→					39		
			40	HDD Data Bus	→					40		
			41	GND						41		
			42	HDD Data Bus	→					42		
			43	GND						43		
			44	HDD Data Request	→					44		
			45	NC	→					45		
			46	HDD IO Ready	→					46		
			47	GND						47		
			48	HDD Address Bus	→					48		
			49	GND						49		
			50	Chip Select 0	→					50		
		CTL CN711	1	+5VE PW	→		Energy Saver		Debug	1		
			2	Serial GND						2		
			3	Serial GND						3		
			4	TX Data 0	→					4		
			5	RX Data 0	→					5		
			6	TX Data 1	→					6		
			7	RX Data 1	→					7		
			8	NMI(Push-SW)	→					8		
		CTL CN714	1	+5VE PW	→		Energy Saver		Debug	1		
			2	RX Data 0	→					2		
			3	TX Data 0	→					3		
			4	Signal GND	→					4		

M075 ELECTRICAL COMPONENT LAYOUT



Symbol	Name	Index No.	P to P
Motors			
M1	LSU Fan Motor	F1-1	3E
M2	Fusing Fan Motor	F1-10	3E
M3	Color AIO Motor	F2-18	4E
M4	Black AIO Motor	F2-17	5E
M5	Transport/Fusing	F2-11	5E
M6	Polygon Motor	F2-5	4B
M7	ITB Contact Motor	F2-8	5B
M8	Agitator Motor	F2-9	5B
M9	Air Intake Fan	F1-4	6B

Symbol	Name	Index No.	P to P
Sensors			
S1	Tray Set Sensor	F3-6	8B
S2	Paper End Sensor	F3-5	7B
S3	Registration Sensor	F3-3	7B
S4	Paper Exit Sensor	F3-2	6B
S5	By-pass Paper End Sensor	F2-10	7B
S6	Duplex Sensor	F2-7	7B
S7	ITB Contact Sensor	F3-1	7B
S8	Temperature/Humidity Sensor	F1-5	6B
S9	Waste Toner Overflow Sensor	F3-8	9B
S10	Waste Toner Bottle Set Sensor	F3-7	9B

Symbol	Name	Index No.	P to P
Magnetic Clutches			
MC1	Paper Feed Clutch	F2-15	5E
MC2	Registration Clutch	F2-16	6E
MC3	Duplex Clutch	F2-12	7E
MC4	By-pass Clutch	F2-13	6E
Switches			
SW1	Main Switch	F1-12	8F
SW2	Interlock Switches	F1-14	9F
Solenoid			
SOL1	Paper Exit Solenoid	F2-6	2E
SOL2	By-pass Solenoid	F2-14	6E
Others			
L1	Fusing Lamp	F4-3	10G
TH1	Thermistors	F4-2	10G
TS1	Thermostat	F4-4	-

Symbol	Name	Index No.	P to P
PCBs			
PCB1	OPU Main Board	F1-7	1E
PCB2	ID Chip [B, Y, M, C]	F4-1	8B
PCB3	ID Chip Board	F1-11	9B
PCB4	TM Sensor Board	F2-1	3E
PCB5	PSU	F1-10	9E
PCB6	EGB	F1-2	6C
PCB7	Controller Board	F1-3	2C
PCB8	LD Board - C/M	F2-2	5B
PCB9	LD Board - K/Y	F2-3	4B
PCB10	Synchronizing Detector Board	F2-4	4B
PCB11	High Voltage Power Supply Board	F1-6	8A
PCB12	Key Board	F1-9	2F
PCB13	Eco Night Sensor	F1-8	2E

Feed Unit (G849)			
Symbol	Name	Index No.	P to P
Sensors			
S1	Paper End Sensor	F5-1	7E
S2	Realy Sensor	F5-2	7E
Magnetic Clutches			
MC1	Paper Feed Clutch	F5-4	7E
MC2	Relay Clutch	F5-3	7E