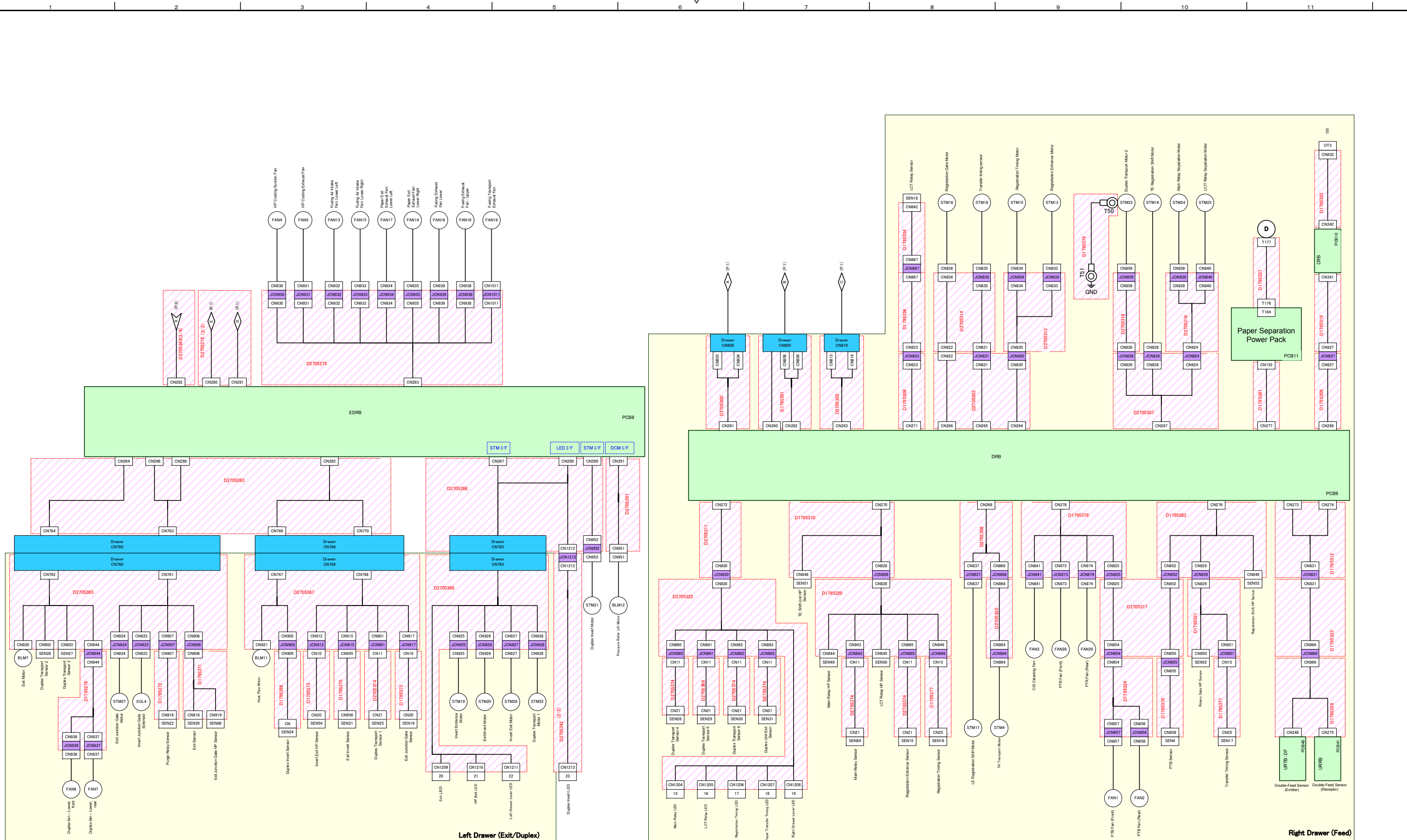
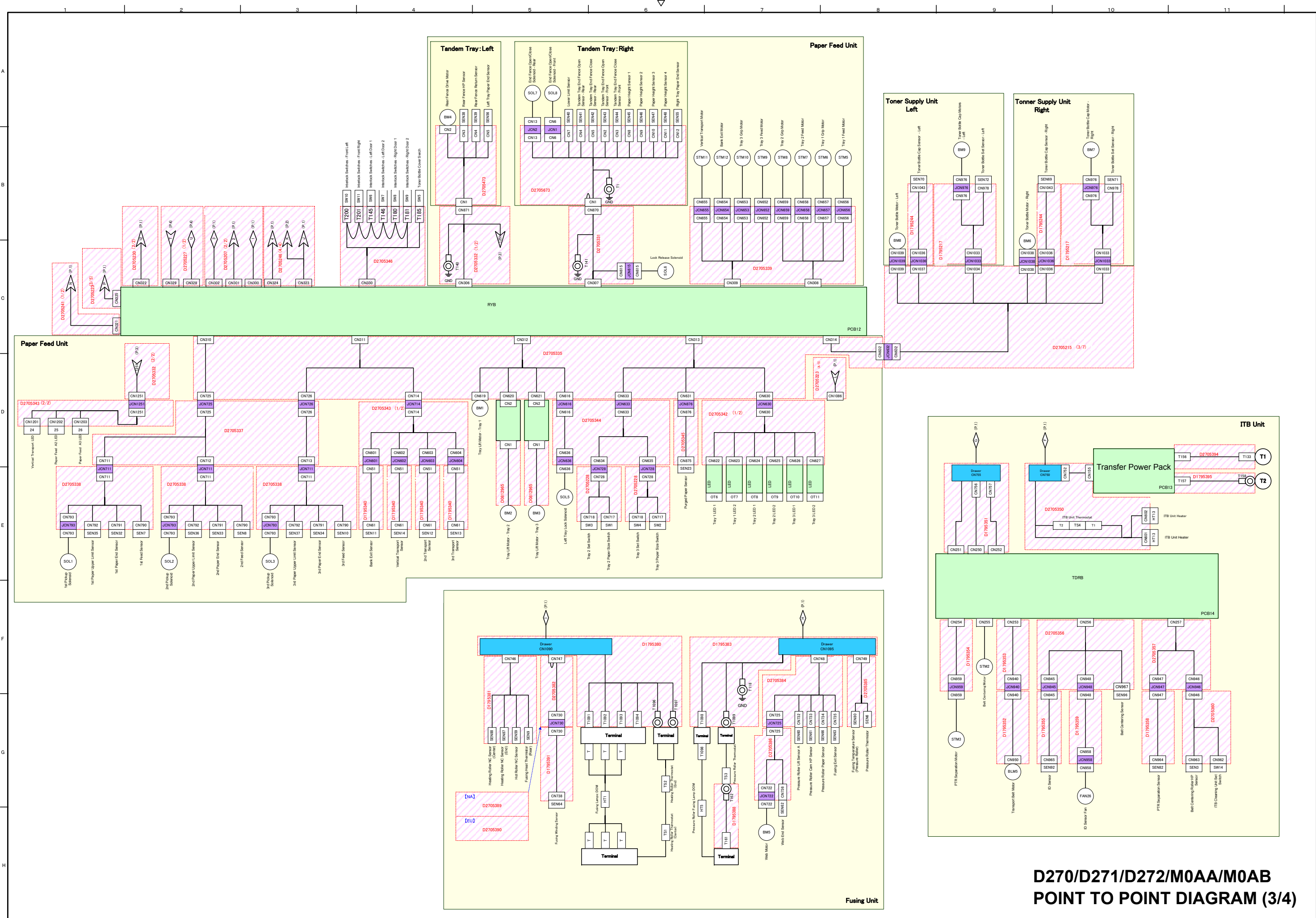


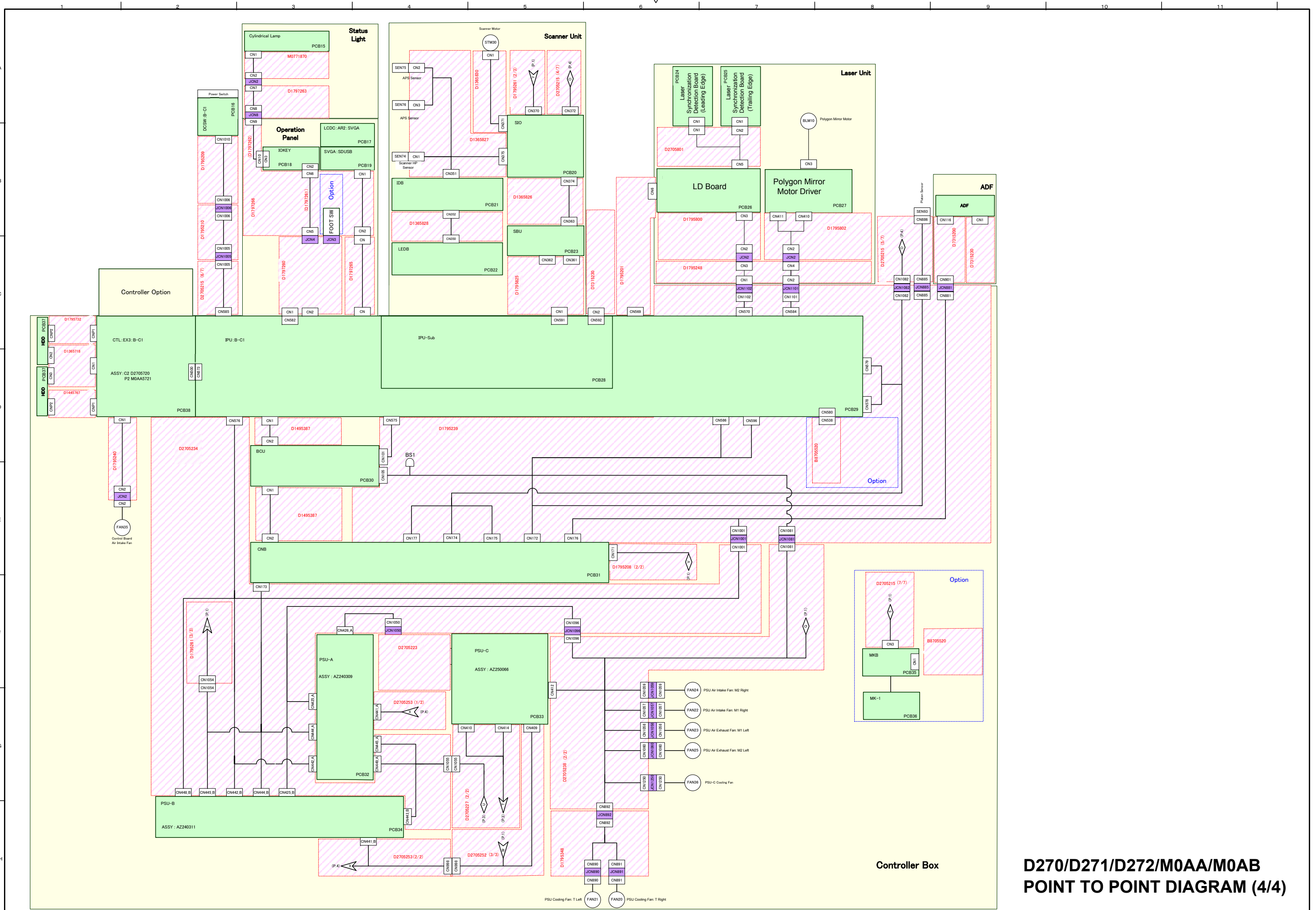
**D270/D271/D272/M0AA/M0AB POINT TO POINT DIAGRAM (1/4)**



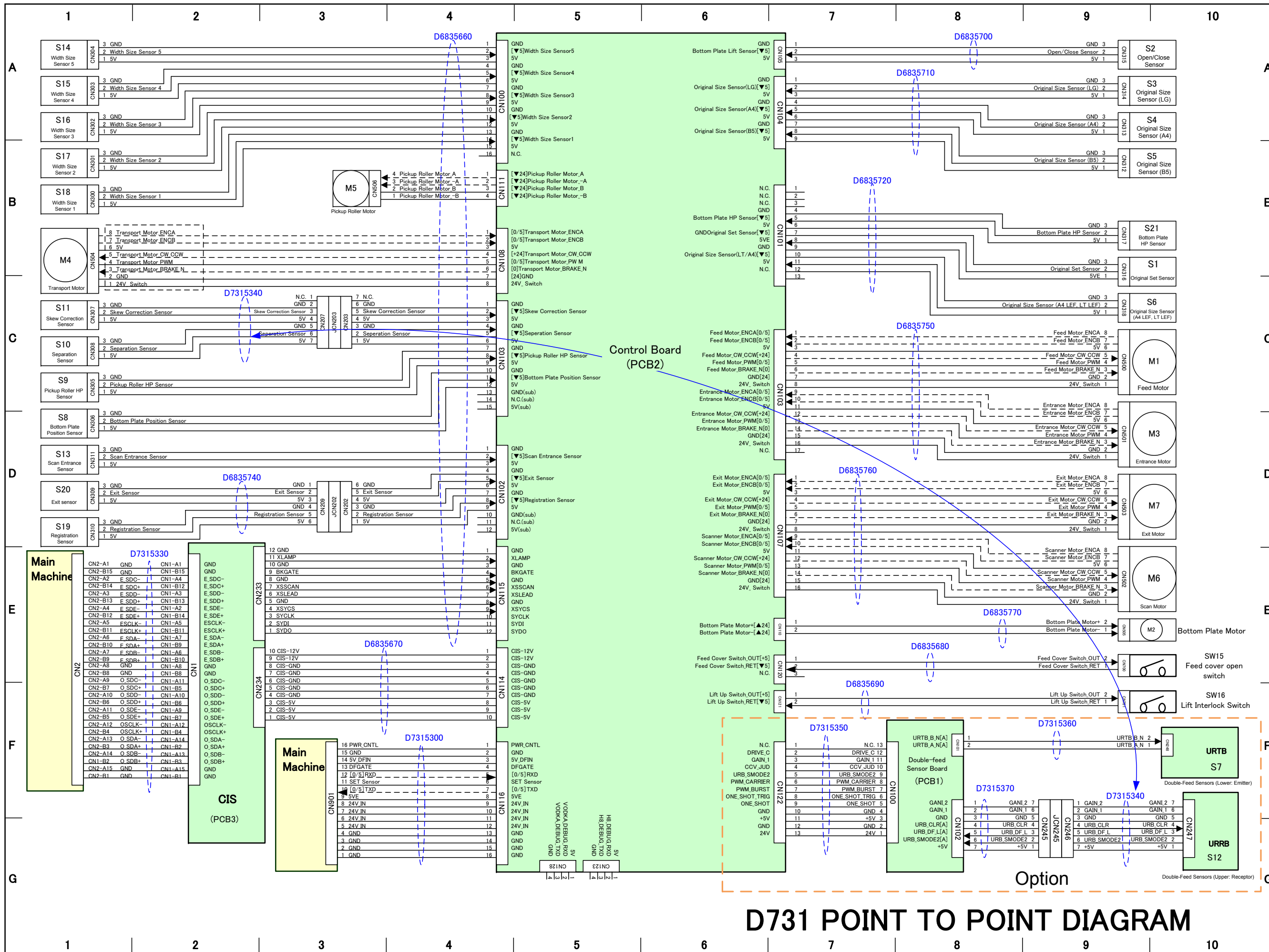
D270/D271/D272/M0AA/M0AB POINT TO POINT DIAGRAM (2/4)



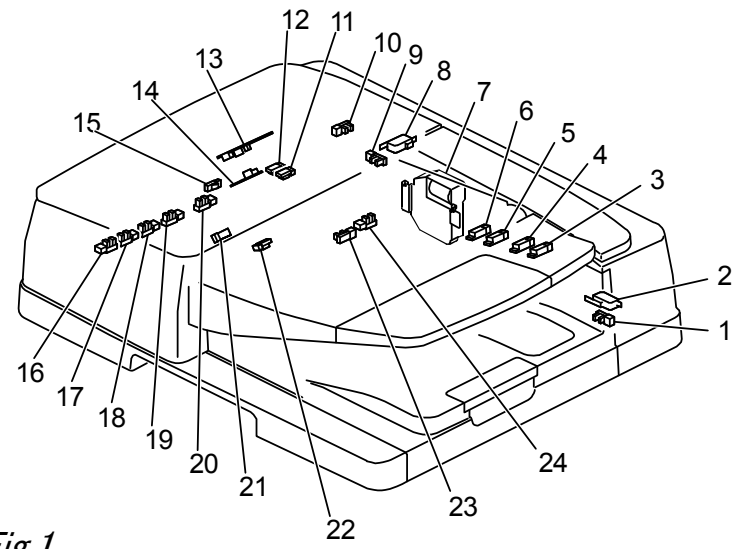
**D270/D271/D272/M0AA/M0AB  
POINT TO POINT DIAGRAM (3/4)**



**D270/D271/D272/M0AA/M0AB  
POINT TO POINT DIAGRAM (4/4)**

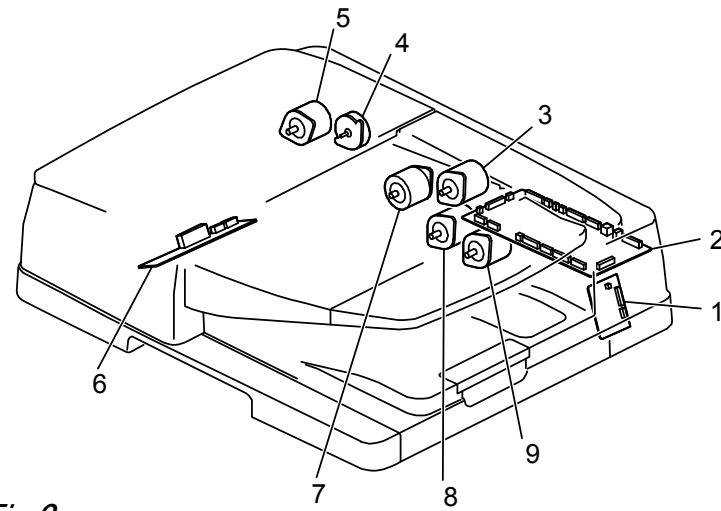


**D270/D271/D272/M0AA/M0AB ELECTRICAL COMPONENT LAYOUT**



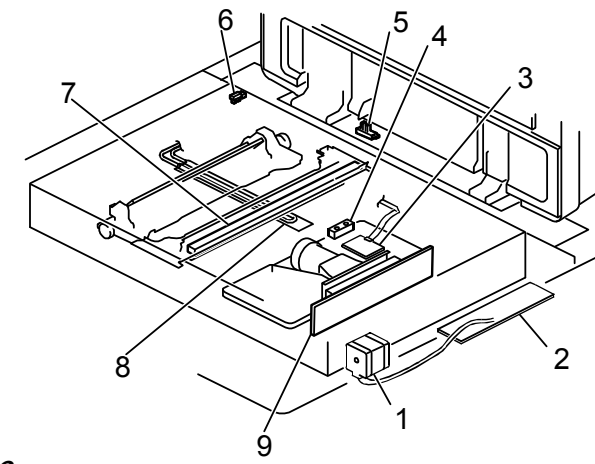
*Fig.1*

d1797901



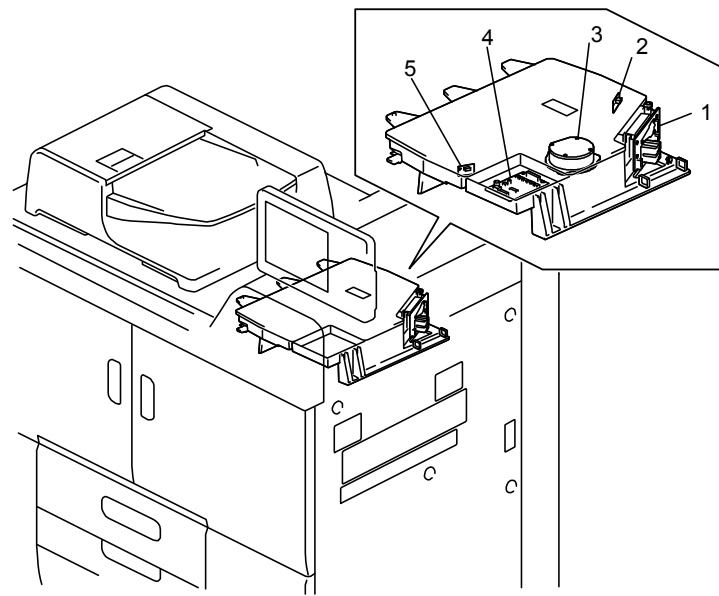
*Fig.2*

d1797902



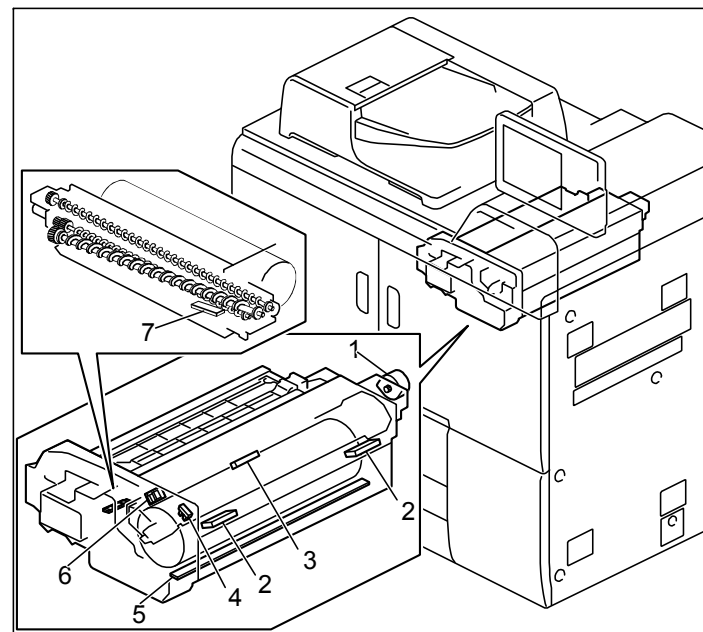
*Fig.3*

d1797903j



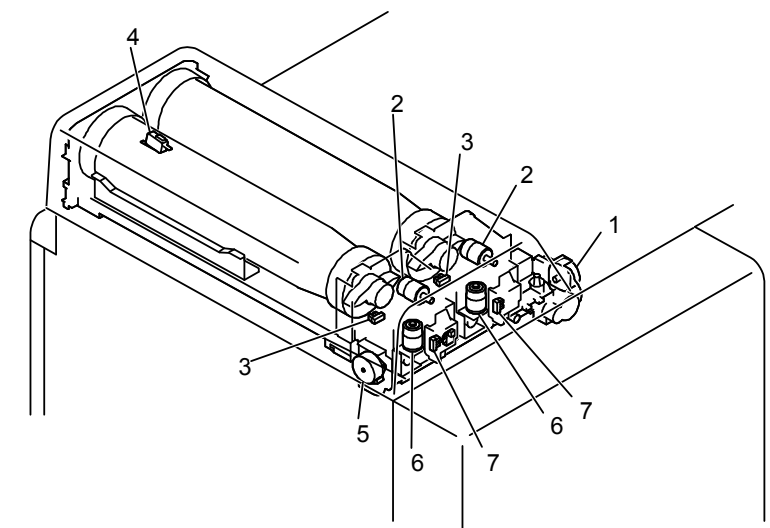
*Fig.4*

d1797904



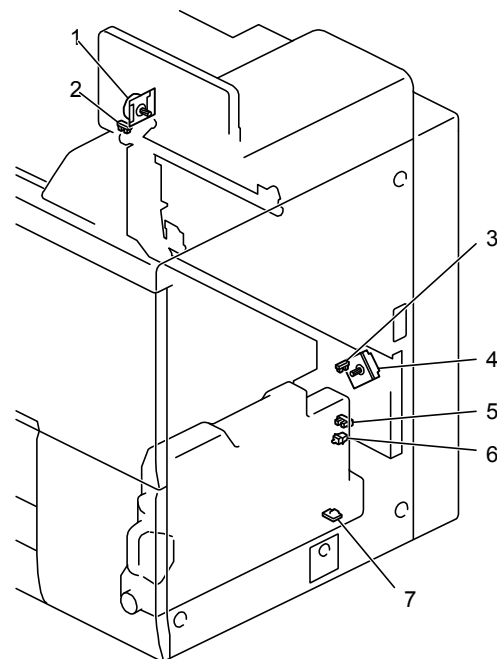
*Fig.5*

d1797905

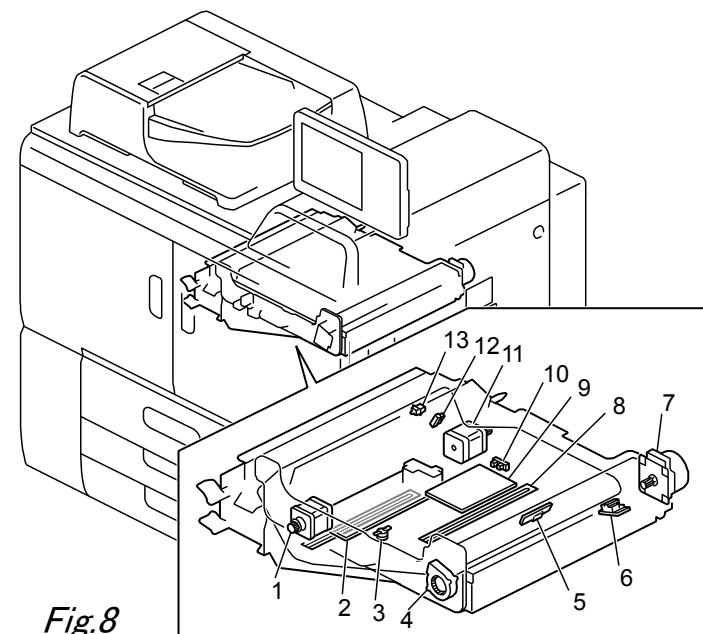


*Fig.6*

d1797906

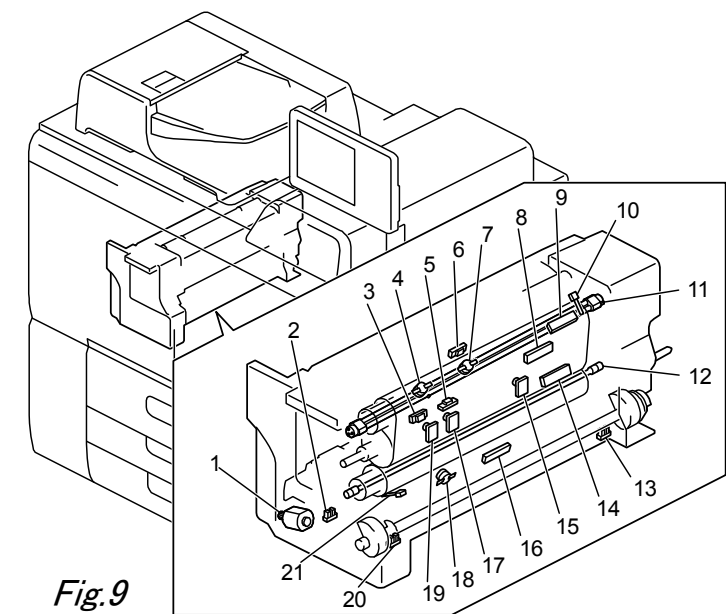


*Fig.7*



*Fig.8*

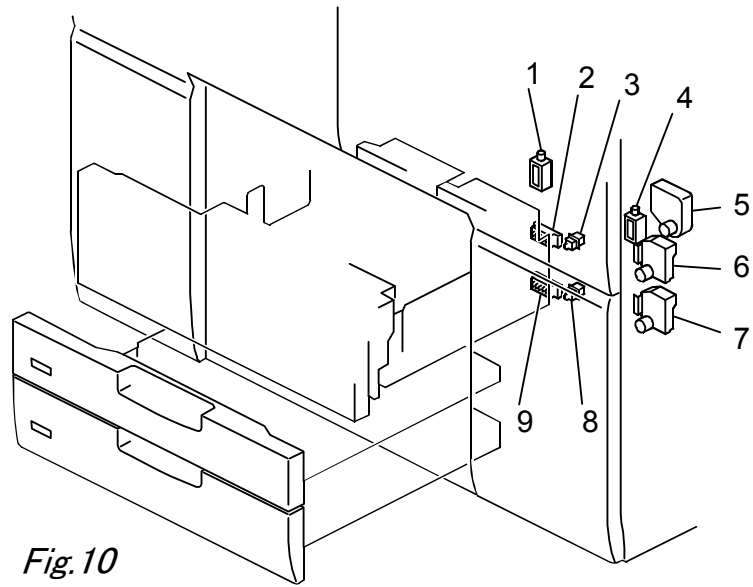
d270d7002



*Fig.9*

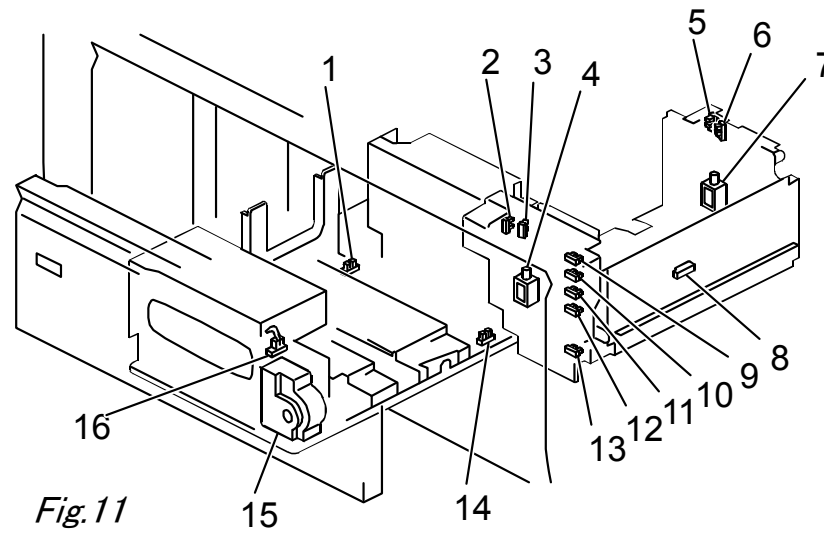
d270d7003

**D270/D271/D272/M0AA/M0AB ELECTRICAL COMPONENT LAYOUT**



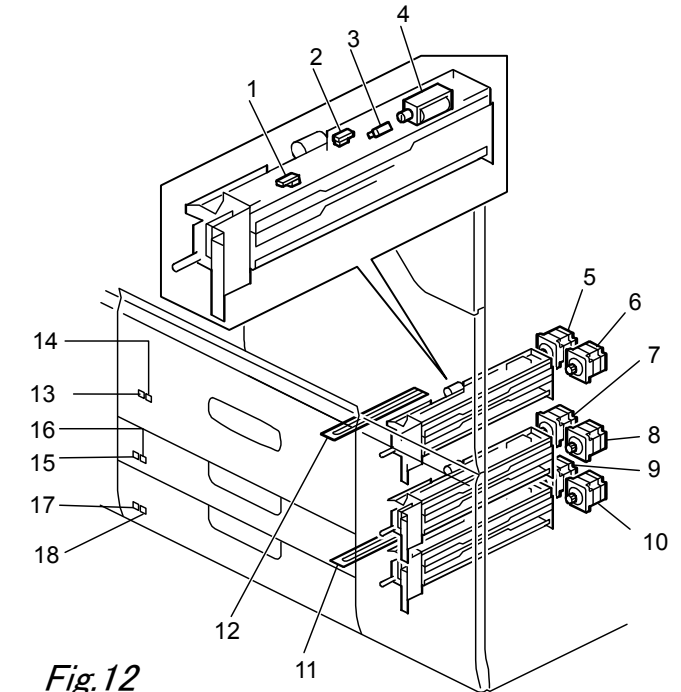
*Fig. 10*

d1797916



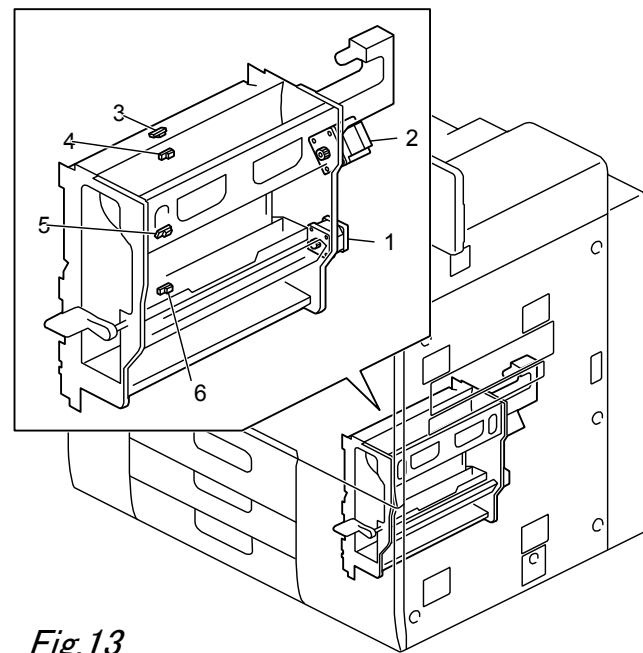
*Fig. 11*

d1797917



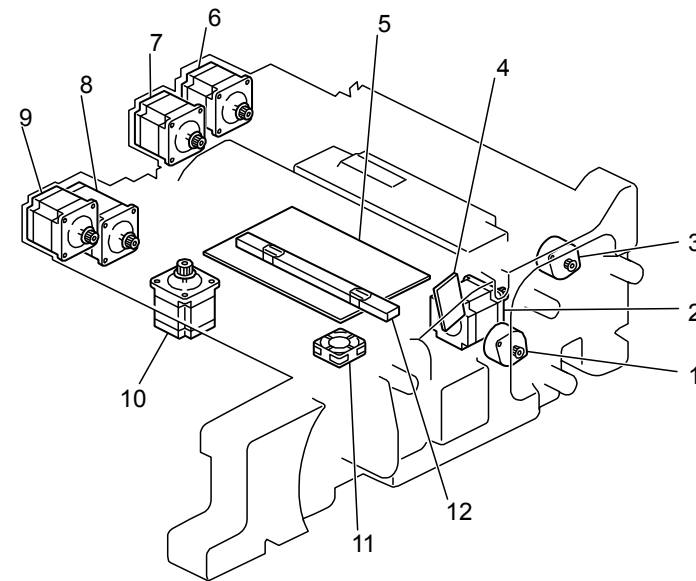
*Fig. 12*

d1797918



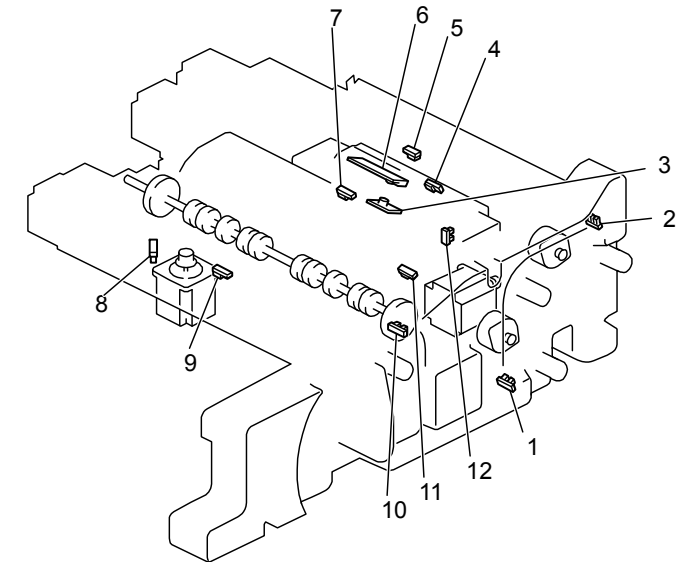
*Fig. 13*

d1797910



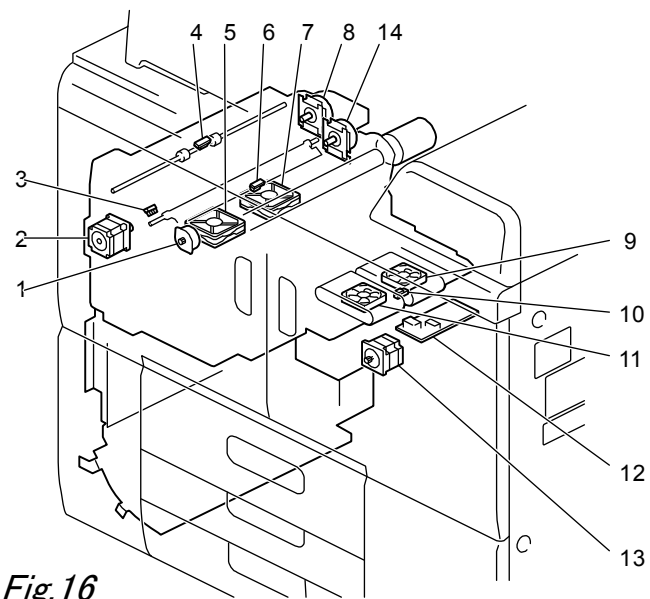
*Fig. 14*

d1797920



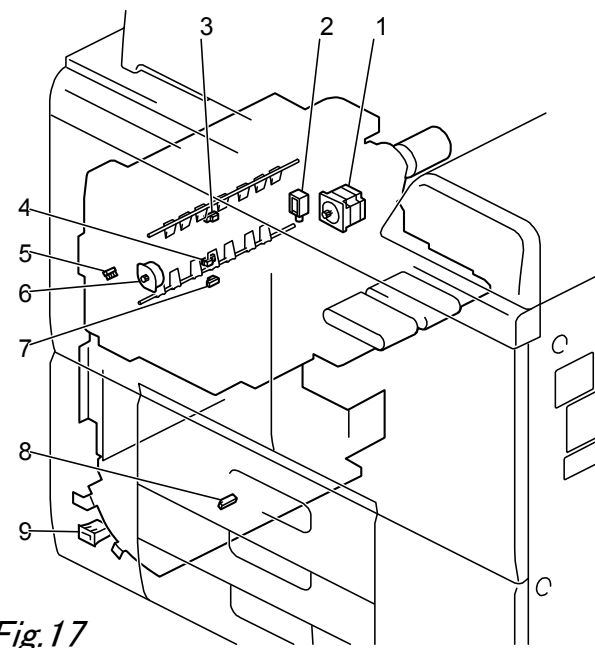
*Fig. 15*

d1797921



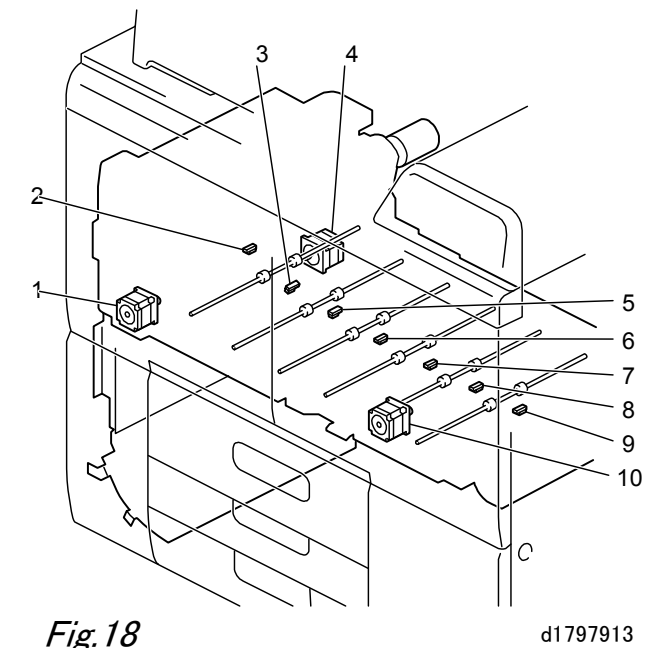
*Fig. 16*

d270d7004



*Fig. 17*

d1797912



*Fig. 18*

d1797913

# D270/D271/D272/M0AA/M0AB ELECTRICAL COMPONENT LAYOUT

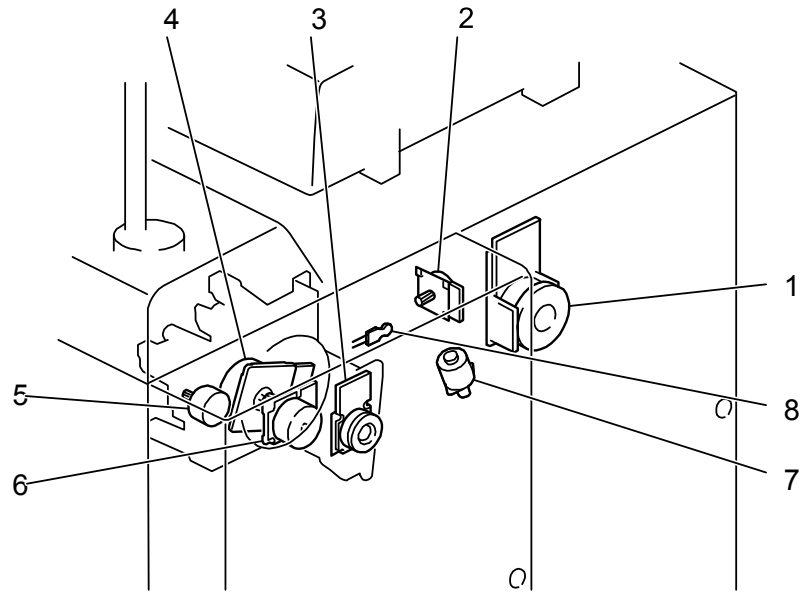


Fig.19

d270d7007

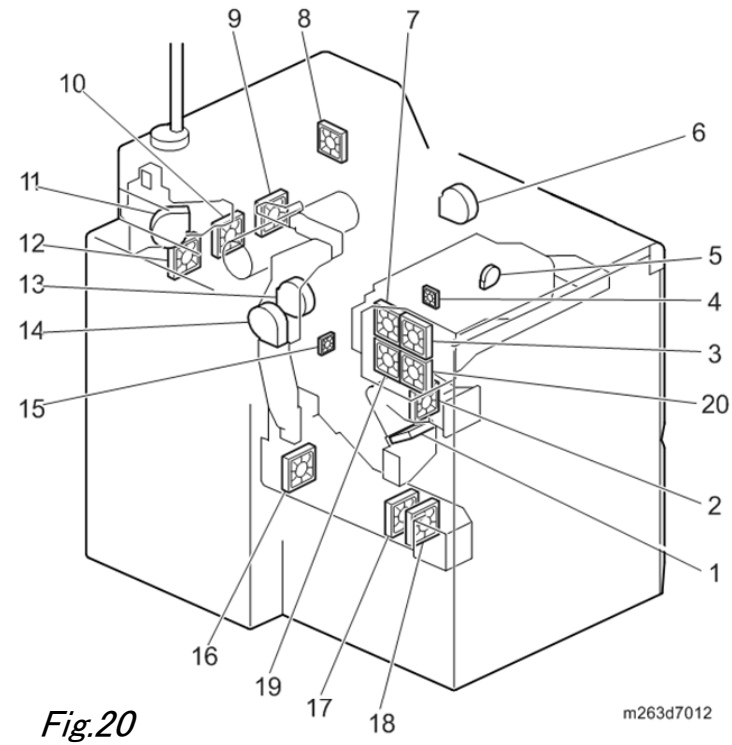


Fig.20

m263d7012

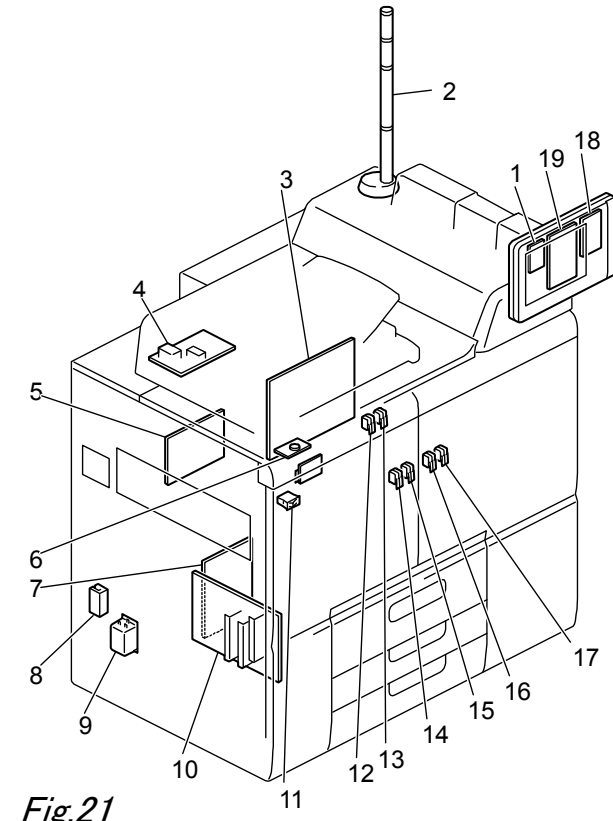


Fig.21

d270d7005

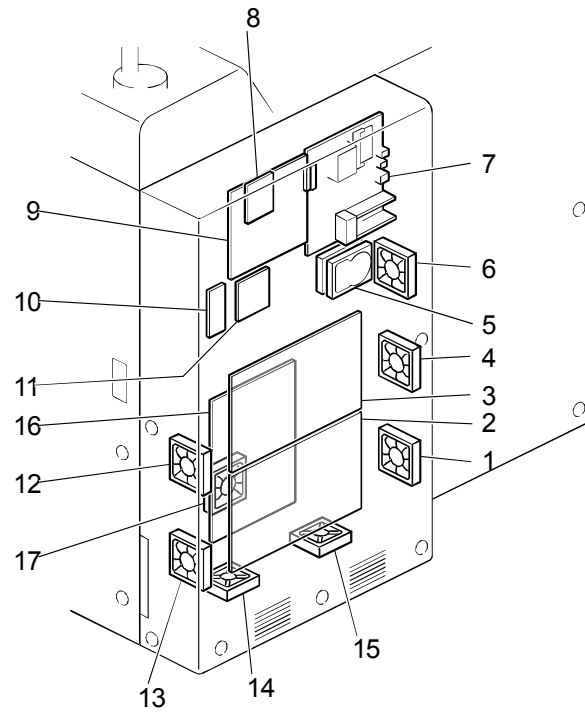


Fig.22

d270d7006



Symbol	Index No.	Description	P to P
<b>Sensors</b>			
S1	Fig.1-24	Original Set Sensor	DF-B10
S2	Fig.1-1	Open/Close Sensor	DF-A10
S3	Fig.1-3	Original Size Sensor (LG)	DF-A10
S4	Fig.1-4	Original Size Sensor (A4)	DF-A10
S5	Fig.1-5	Original Size Sensor (B5)	DF-B10
S6	Fig.1-6	Original Size Sensor (A4 LEF, LT LEF)	DF-C10
S7	Fig.1-14	Double-Feed Sensors (Lower: Emitter)	DF-F10
S8	Fig.1-9	Bottom Plate Position Sensor	DF-D1
S9	Fig.1-10	Pickup Roller HP Sensor	DF-C1
S10	Fig.1-11	Separation Sensor	DF-C1
S11	Fig.1-12	Skew Correction Sensor	DF-C1
S12	Fig.1-13		
S12	Fig.1-14	Double-Feed Sensors (Receptor: Upper)	DF-G10
S13	Fig.1-15	Scan Entrance Sensor	DF-D1
S14	Fig.1-16	Width Size Sensor 5	DF-A1
S15	Fig.1-17	Width Size Sensor 4	DF-A1
S16	Fig.1-18	Width Size Sensor 3	DF-A1
S17	Fig.1-19	Width Size Sensor 2	DF-B1
S18	Fig.1-20	Width Size Sensor 1	DF-B1
S19	Fig.121	Registration Sensor	DF-D1
S20	Fig.1-22	Exit sensor	DF-D1
S21	Fig.1-23	Bottom Plate HP Sensor	DF-B10
SEN1	Fig.5-7	TD Sensor	1-A5
SEN2	Fig.5-6	PCDU Temperature/Humidity Sensor	1-F10
SEN3	Fig.8-12	Belt Centering Roller HP Sensor	1-F10
SEN4	Fig.16-10	PTB Sensor	3-G11
SEN5	Fig.5-3	Drum Potential Sensor	2-F10
SEN6	Fig.9-21	Pressure Roller Thermistor	1-E9
SEN7	Fig.12-1	1st Feed Sensor	3-G8
SEN8	Fig.12-1	2nd Feed Sensor	3-E2
SEN9	Fig.9-10	Fusing Heat Thermistor (Rear)	3-E2
SEN10	Fig.12-1	3rd Feed Sensor	3-G5
SEN11	Fig.13-3	Bank Exit Sensor	3-E3
SEN12	Fig.13-5	2nd Transport Sensor	3-E4
SEN13	Fig.13-6	3rd Transport Sensor	3-E4
SEN14	Fig.13-4	Vertical Transport Sensor	3-E4
SEN15	Fig.15-4	Registration Entrance Sensor	3-E4
SEN16	Fig.15-7	Registration Timing Sensor	2-F8
SEN17	Fig.15-9	Transfer Timing Sensor	2-F8
SEN18	Fig.15-5	LCT Relay Sensor	2-F10
SEN19	Fig.16-6	Exit Junction Gate Sensor	2-B8
SEN20	Fig.16-4	Exit Sensor	2-F4
SEN21	Fig.17-3	Exit Invert Sensor	2-F2
SEN22	Fig.17-4	Purge Relay Sensor	2-F3
SEN23	Fig.17-8	Purged Paper Sensor	2-F2
SEN24	Fig.17-7	Duplex Invert Sensor	3-E6
SEN25	Fig.17-2	Duplex Transport Sensor 1	2-F3
SEN26	Fig.17-3	Duplex Transport Sensor 2	2-F4
SEN27	Fig.17-5	Duplex Transport Sensor 3	2-F1
SEN28	Fig.17-6	Duplex Transport Sensor 4	2-F1
SEN29	Fig.17-7	Duplex Transport Sensor 5	2-F6
SEN30	Fig.17-8	Duplex Transport Sensor 6	2-F6
SEN31	Fig.17-9	Duplex Unit Exit Sensor	2-F7
SEN32	Fig.12-2	1st Paper End Sensor	2-F7
SEN33	Fig.12-2	2nd Paper End Sensor	3-E1
SEN34	Fig.12-2	3rd Paper End Sensor	3-E2
SEN35	Fig.12-3	1st Paper Upper Limit Sensor	3-E3
SEN36	Fig.12-3	2nd Paper Upper Limit Sensor	3-E1
SEN37	Fig.12-3	3rd Paper Upper Limit Sensor	3-E2

Symbol	Index No.	Description	P to P
<b>Motors</b>			
M1	Fig2-3	Feed Motor	1-B7
M2	Fig1-7	Bottom Plate Lift Motor	DF-E10
M3	Fig2-4	Entrance Motor	DF-D10
M4	Fig2-5	Transport Motor	DF-B1
M5	Fig2-7	Pickup Roller Motor	DF-B3
M6	Fig2-8	Scan Motor	DF-E10
M7	Fig2-9	Exit Motor	DF-D10
BML1	Fig.19-6	Drum Motor	1-C6
BML2	Fig.19-5	Drum Cleaning Unit Motor	1-B6
BML3	Fig.7-4	Used Toner Bottle Motor	1-E11
BML4	Fig.7-1		
BML4	Fig.19-2	Used Toner Collection Motor	1-C4
BML5	Fig.8-7	Transport Belt Motor	3-G9
BML6	Fig.19-3	ITB/PTR Drive Motor	1-C7
BML7	Fig.16-8	Exit Motor	2-F1
BML8	Fig.19-4	Development Motor	1-B5
BML9	Fig.19-1	Fusing Motor	1-C4
BML10	Fig.4-3	Polygon Mirror Motor	4-A7
BML11	Fig.16-14	Heat Pipe Motor	2-F3
BML12	Fig.19-7	Pressure Roller Lift Motor	2-E6
STM1	Fig.5-1	Charge Wire Cleaner Motor	1-B7
STM2	Fig.8-11	Belt Centering Motor	3-F9
STM3	Fig.8-1	PTR Separation Motor	3-G9
STM4	Fig.16-13	TH Transport Motor	2-F9
STM5	Fig.12-5	Tray 1 Feed Motor	3-B8
STM6	Fig.12-6	Tray 1 Grip Motor	3-B8
STM7	Fig.12-7	Tray 2 Feed Motor	3-B7
STM8	Fig.12-8	Tray 2 Grip Motor	3-B7
STM9	Fig.12-9	Tray 3 Feed Motor	3-B7
STM10	Fig.12-10	Tray 3 Grip Motor	3-B7
STM11	Fig.13-1	Vertical Transport Motor	3-B6
STM12	Fig.13-2	Bank Exit Motor	3-B7
STM13	Fig.14-6	Registration Entrance Motor	2-B9
STM14	Fig.14-2	TE Registration Shift Motor	2-B10
STM15	Fig.14-7	Registration Timing Motor	2-B9
STM16	Fig.14-8	Registration Gate Motor	2-B8
STM17	Fig.14-10	LE Registration Shift Motor	2-F8
STM18	Fig.14-10	Transfer timing sensor	2-B8
STM19	Fig.16-2	Invert Entrance Motor	2-F4
STM20	Fig.17-1	Exit/Invert Motor	2-F4
STM21	Fig.18-4	Duplex Invert Motor	2-E5
STM22	Fig.18-1	Duplex Transport Motor 1	2-F5
STM23	Fig.18-10	Duplex Transport Motor 2	2-B10
STM24	Fig.14-1	Main Relay Separation Motor	2-B10
STM25	Fig.14-3	LCIT Relay Separation Motor	2-B10
STM26	Fig.17-6	Invert Exit Motor	2-F5
STM27	Fig.16-1	Exit Junction Gate Motor	2-F1
STM28	-	Decurler Transport Motor	1-G2
STM29	-	Decurler Lift Motor	1-G2
STM30	Fig.3-1	Scanner Motor	4-A5
STM32	Fig.6-1	Toner Feed Motor	1-B7
STM33	Fig.6-5	Toner Agitator Motor	1-B7
BM1	Fig.10-5	Tray Lift Motor - Tray 1	3-D5
BM2	Fig.10-6	Tray Lift Motor - Tray 2	3-E5
BM3	Fig.10-7	Tray Lift Motor - Tray 3	3-E5
BM4	Fig.11-15	Rear Fence Drive Motor	3-A4
BM5	Fig.9-1	Web Motor	3-H7
BM6	Fig.6-6	Toner Bottle Motor - Right	3-B9
BM7	Fig.6-2	Toner Bottle Cap Motor - Right	3-B10

Symbol	Index No.	Description	P to P
<b>Switches</b>			
SW1	Fig.10-2	Tray 2 Paper Size Switch	3-E6
SW2	Fig.10-8	Tray 3 Paper Size Switch	3-E6
SW3	Fig.10-3	Tray 2 Set Switch	3-E6
SW4	Fig.10-9	Tray 3 Set Switch	3-E6
SW5	Fig.6-4	Toner Bottle Cover Switch	3-B4
SW6	Fig.21-14	Interlock Switches - Left Door 1	3-B4
SW7	Fig.21-15	Interlock Switches - Left Door 2	3-B4
SW8	Fig.21-16	Interlock Switches - Right Door 1	3-B4
SW9	Fig.21-17	Interlock Switches - Right Door 2	3-B4
SW10	Fig.21-12	Interlock Switches - Front Left	3-B3
SW11	Fig.21-13	Interlock Switches - Front Right	3-B4
SW12	Fig.21-11	Main Power Switch	1-E3
SW13	Fig.7-6	Used Toner Bottle Set Switch	1-F11
SW14	Fig.8-13	ITB Cleaning Unit Set Switch	3-G11
SW15	Fig.1-8		
SW15	Fig.3-5	Feed cover open switch	DF-E10
SW16	Fig.1-2	Lift Interlock Switch	DF-F10
<b>Symbol Index No. Description P to P</b>			
<b>Solenoids</b>			
SOL1	Fig.12-4	1st Pickup Solenoid	3-E1
SOL2	Fig.12-4	2nd Pickup Solenoid	3-E2
SOL3	Fig.12-4	3rd Pickup Solenoid	3-E3
SOL4	Fig.17-2	Invert Junction Gate Solenoid	2-F2
SOL5	Fig.10-1	Left Tray Lock Solenoid	3-E5
SOL6	Fig.10-4	Lock Release Solenoid	3-C6
SOL7	Fig.11-7	End Fence Open/Close Solenoid - Rear	3-A5
SOL8	Fig.11-4	End Fence Open/Close Solenoid - Front	3-A5
<b>Symbol Index No. Description P to P</b>			
<b>Thermostats</b>			
TS1	Fig.9-7	Heating Roller Thermostat(Center)	3-H6
TS2	Fig.9-4	Heating Roller Thermostat(End)	3-G6
TS3	Fig.9-18	Pressure Roller Thermostat	3-G7
TS4	Fig.8-3	ITB Unit Thermostat	3-E10
<b>Symbol Index No. Description P to P</b>			
<b>FANs</b>			
FAN1	Fig.16-11	PTB Fan (Front)	2-G10
FAN2	Fig.16-9	PTB Fan (Rear)	2-G10
FAN3	Fig.14-11	CIS Cleaning Fan	2-F9
FAN4	Fig.20-1	HP Cooling Suction Fan	2-B3
FAN5	Fig.20-2	HP Cooling Exhaust Fan	2-B3
FAN6	Fig.16-5	Duplex fan - Lower, front	2-G1
FAN7	Fig.16-6	Duplex fan - Lower, rear	2-G1
FAN8	Fig.20-8	Laser Unit Cooling Fan	1-F10
FAN9	Fig.20-11	Ozone Air Intake Fan	1-E9
FAN10	Fig.20-14	Ozone Air Exhaust Fan	1-B4
FAN11	Fig.20-6	Development Unit Cooling Fan: Front	1-A2
FAN12	Fig.20-13	Development Unit Cooling Fan: Rear	1-B3
FAN13	Fig.20-3	Fusing Air Intake Fan: Lower Left	2-B3
FAN14	Fig.20-19	Paper Exit Exhaust Fan: Lower Right	2-B4
FAN15	Fig.20-7	Fusing Air Intake Fan: Lower Right	2-B3
FAN16	Fig.20-17	Fusing Exhaust Fan - Upper	2-B4
FAN17	Fig.20-20	Paper Exit Exhaust Fan: Lower Left	2-B4
FAN18	Fig.20-18	Fusing Exhaust Fan Lower	2-B4
FAN19	Fig.20-16	Fusing Transport Exhaust Fan	2-B4
FAN20	Fig.22-14	PSU Cooling Fan: T Right	4-H6
FAN21	Fig.22-15	PSU Cooling Fan: T Left	4-H6
FAN22	Fig.22-12	PSU Air Intake Fan: M1 Right	4-G6
FAN23	Fig.22-4	PSU Air Exhaust Fan: M1 Left	4-G6
FAN24	Fig.22-13	PSU Air Intake Fan: M2 Right	4-G6

Symbol	Index No.	Description	P to P
<b>Others</b>			
OT1	Fig.5-5	PCL	1-B5
OT3	Fig.2-7	CIS	2-B11
OT6	Fig.12-13	Tray 1 LED 1	3-E7
OT7	Fig.12-14	Tray 1 LED 2	3-E7
OT8	Fig.12-15	Tray 2 LED 1	3-E7
OT9	Fig.12-16	Tray 2 LED 2	3-E7
OT10	Fig.12-17	Tray 3 LED 1	3-E7
OT11	Fig.12-18	Tray 3 LED 2	3-E7
OT14	Fig.5-2	Lubricant End Sensor	1-G9
<b>Symbol Index No. Description P to P</b>			
<b>LEDs</b>			
15	-	Main Relay LED	2-G6
16	-	LCT Relay LED	2-G6
17	-	Registration Timing LED	2-G6
18	-	Paper Transfer Timing LED	2-G7
19	-	Right Drawer Lever LED	2-G7
20	-	Exit LED	2-G4
21	-	HP Belt LED	2-G4
22	-	Left Drawer Lever LED	2-G5
23	-	Duplex Invert LED	2-G5
24	-	Vertical Transport LED	3-D1
25	-	Paper Feed A2 LED	3-D1
26	-	Paper Feed A3 LED	3-D1
<b>Symbol Index No. Description P to P</b>			
<b>Heaters</b>			
HT1	Fig.9-11	Fusing Lamp	3-G6
HT2	Fig.12-11	Paper Bank Heater - Upper	1-F6
HT3	Fig.12-12	Paper Bank Heater - Lower	1-F6
HT4	Fig.3-8	Anti-Condition Heater	1-E3
HT5	Fig.9-12	Pressure Roller Fusing Lamp	3-H6
HT13	Fig.8-8	ITB Unit Heater	3-E11
<b>Symbol Index No. Description P to P</b>			
<b>PCBs</b>			
PCB1	Fig.2-1	Double-feed Sensor Board	DF-F8
PCB2	Fig.2-2	ADF Control Board	DF-D5
PCB3	Fig.2-6	CIS	DF-F2
PCB4	Fig.21-4	Charge, Grid, Bias Power Pack (CGB)	1-A3
PCB5	-	SDCB	1-C11
PCB6	Fig.21-3	IOB	1-B6
PCB7	Fig.21-10	AC Drive Board	1-G5
PCB8	Fig.21-5	EDRB	2-D4
PCB9	Fig.14-5	DRB	2-D8
PCB10	Fig.14-4	CRB	2-B11
PCB11	Fig.16-12	Paper Separation Power Pack	2-C10
PCB12	Fig.21-7	RYB	3-C5
PCB13	Fig.8-2	Transfer Power Pack	3-E10
PCB14	Fig.8-9	TDRB (Transfer Drive Relay Board)	3-F10
PCB15	Fig.21-2	Sylindrical Lamp	4-A3
PCB16	Fig.21-6	DCSW	4-A2
PCB17	Fig.21-1	LCDC	4-B3
PCB18	Fig.21-19	IOKEY	4-B3
PCB19	Fig.21-18	SD/USB	4-B3
PCB20	Fig.3-2	SIO	4-B5
PCB21	Fig.3-3	IDB	4-B5
PCB22	Fig.3-7	LEDB	4-C4
PCB23	Fig.3-9	SBU	4-C5
PCB24	Fig.4-5	Laser Synchronization Detection Board (Leading Edge)	4-A7

D270/D271/D272/M00A/M00B Pin Assign List

Harness No	Harness P/N	Connector (FROM)				Signal Information				Relay Harness/No	Pin No	No	Connector (TO)	
		To Connector	No	Pin No	Signal Name	Dirct	L	H	To Connector				No	
2	D1795201	IPU	CN569	1	LG RXM						1	CN6	LDB	
				2	LD RXP						2			
				3							3			
				4	L1 RXM						4			
				5	L1 RXP						5			
				shell							shell			
3	D1795202	IOB: Relay D2705211 CN1094	CN1094	1	Drum Cleaning Motor: 24V2						8	CN1031	Drum Cleaning Motor	
				2	Drum Cleaning Motor: GND						7			
				3	Drum Cleaning Motor: 5V						6			
				4	Drum Cleaning Motor: START/STOP						5			
				5	Drum Cleaning Motor: C/CLOCK						4			
				6	Drum Cleaning Motor: CW/CCW						3			
				7	Drum Cleaning Motor: LOCK						2			
				8	Drum Cleaning Motor: Gain Change						1			
4	D2705203	IOB: Relay D2705211 CN887	CN1095	1	Thermistor: GND						2	CN877	Thermistor	
				2	Thermistor						1			
5	D2705204	IOB: Relay D1795213 CN1088	CN1088	1	Sensor: GND						3	CN1040	Charge cleaner Position Sensor	
				2	Sensor: Output						2			
				3	Sensor: 5V						1			
6	D2705205	IOB	CN214	1	Waste Toner Bottle Set Sensor	I	Set			D2705206	8	CN1090	Waste toner Bottle Set	
				2	Waste Toner Bottle Set Sensor: GND	G		Not Set			7			
				3	Used Toner Bottle Near Full Sensor: GND	G					6			
				4	Used Toner Bottle Near Full Sensor: Output	I	Not Near Full	Near Full			5			
				5	Used Toner Bottle Near Full Sensor: 5V	P					4			
				6	Waste Toner Bottle Full Sensor: GND	G					3			
				7	Waste Toner Bottle Full Sensor: Output	I	Full	Not Full			2			
				8	Waste Toner Bottle Full Sensor: 5V	P					1			
				9	Key Counter: GND	G				D2705215	4	CN1042	Key Counter	
				10	Key Counter: Set	I	Set	Not Set			3			
				11	Key Counter: 24V	P					2			
				12	Key Counter: ON	O	Count UP				1			
				13	ITB Environmental correction Temperature/Humidity Sensor: Thermostat Terminals	I					4	CN1015	ITB Environmental correction Temperature/Humidity Sensor	
				14	ITB Environmental correction Temperature/Humidity Sensor: GND	G					3			
				15	ITB Environmental correction Temperature/Humidity Sensor: Humidity	I					2			
				16	ITB Environmental correction Temperature/Humidity Sensor: 5V	P					1			
				17	Used Toner Bottle Motor: Gain Change	O	Number of revolution	Number of revolution a,b,c,x			8	CN986	Used Toner Bottle Motor	
				18	Used Toner Bottle Motor: CLK	I	ON (Rated)	ON (Rated)			7			
				19	Used Toner Bottle Motor: LOCK	I	ON (Rated)	ON (Rated)			6			
				20	Used Toner Bottle Motor: START/STOP	O	OFF	ON			5			
				21	Used Toner Bottle Motor: GND	G					4			
				22	Used Toner Bottle Motor: GND	G					3			
				23	Used Toner Bottle Motor: 24VS	P					2			
				24	Used Toner Bottle Motor: 24VS	P					1			
7	D2705206	IOB: Relay D2705205 CN1090	CN1090	1	Waste toner Bottle Set Sensor						2	CN985	Waste toner Bottle Set	
				2	Waste toner Bottle Set Sensor: GND						1			
				3	Used Toner Bottle Near Full Sensor: GND						3	CN987	Used Toner Bottle Near Full Sensor	
				4	Used Toner Bottle Near Full Sensor: Output						2			
				5	Used Toner Bottle Near Full Sensor: 5V						1			
				6	Waste Toner Bottle Full Sensor: GND						3	CN989	Waste Toner Bottle Full Sensor	
				7	Waste Toner Bottle Full Sensor: Output						2			
				8	Waste Toner Bottle Full Sensor: 5V						1			
8	D2705207	IOB	CN206	1	Toner chuck O/C Sensor 2	I	Close	Open			50	CN300	RYB	
				2	Toner chuck O/C Sensor 1	I	Close	Open			49			
				3	Toner Bottle Sensor2	I	Detect	Not Detect			48			
				4	Toner Bottle Sensor1	I	Detect	Not Detect			47			
				5	Toner chuck Motor 2(H Bridge) Control B	O					46			
				6	Toner chuck Motor 2(H Bridge) Control A	O					45			
				7	Toner chuck Motor 1(H Bridge) Control B	O					44			
				8	Toner chuck Motor 1(H Bridge) Control A	O					43			
				9	Rear Fence Drive Motor (H Bridge) Control B	O					42			
				10	Rear Fence Drive Motor (H Bridge) Control A	O					41			
				11	3rd Tray Lift Paper Height Sensor2	O					40			
				12	3rd Tray Lift Paper Height Sensor1	O					39			
				13	3rd Tray Lift Motor (H Bridge) Control B	O					38			
				14	3rd Tray Lift Motor (H Bridge) Control A	O					37			
				15	2nd Tray Lift Paper Height Sensor2	O					36			
				16	2nd Tray Lift Paper Height Sensor1	O					35			
				17	2nd Tray Lift Motor (H Bridge) Control B	O					34			
				18	2nd Tray Lift Motor (H Bridge) Control A	O					33			
				19	1st Tray Lift Motor (H Bridge) Control B	O					32			
				20	1st Tray Lift Motor (H Bridge) Control A	O					31			
				21	Toner Bottle Motor2: Lock Sensor	I					30			
				22	Toner Bottle Motor2: Drive	O	OFF	Drive			29			
				23	Toner Bottle Motor1: Lock Sensor	I	OFF	Drive			28			
				24	Toner Bottle Motor1: Drive	O	OFF	Drive			27			
				25	RYB Motor Driver: Error	O	Trouble	Normal			26			
				26	RYB RESET	O	OFF	ON			25			
				27	Bank Exit Motor: Current switching	O	OFF	ON			24			
				28	Bank Exit Motor: Enable	O	Sleep	Normal			23			
				29	Bank Exit Motor: CLK	O	OFF	ON			22			
				30	Vertical Transport Motor: Current switching	O	OFF	ON			21			
				31	Vertical Transport Motor: Enable	O	Sleep	Normal			20			
				32	Vertical Transport Motor: CLK	O	Sleep	Normal			19			
				33	Paper Transport Motor - Tray 3: Current switching	O	OFF	ON			18			
				34	Paper Transport Motor - Tray 3: Enable	O	Sleep	Normal			17			
				35	Paper Transport Motor - Tray 3: CLK	O	Sleep	Normal			16			
				36	Paper Feed Motor - Tray 3: Current	O	OFF	ON			15			
				37	Paper Feed Motor - Tray 3: Enable	O	Sleep	Normal			14			
				38	Paper Feed Motor - Tray 3: CLK	O	Sleep	Normal			13			
				39	Paper Transport Motor - Tray 2: Current switching	O	OFF	ON			12			
				40	Paper Transport Motor - Tray 2: Enable	O	Sleep	Normal			11			
				41	Paper Transport Motor - Tray 2: CLK	O	Sleep	Normal			10			
				42	Paper Feed Motor - Tray 2: Current	O	OFF	ON			9			
				43	Paper Feed Motor - Tray 2: Enable	O	Sleep	Normal			8			
				44	Paper Feed Motor - Tray 2: CLK	O	Sleep	Normal			7			
				45	Paper Transport Motor - Tray 1: Current switching	O	OFF	ON			6			
				46	Paper Transport Motor - Tray 1: Enable	O	Sleep	Normal			5			
				47	Paper Transport Motor - Tray 1: CLK	O	Sleep	Normal			4			
				48	Paper Feed Motor - Tray 1: Current	O	OFF	ON			3			
				49	Paper Feed Motor - Tray 1: Enable	O	Sleep	Normal			2			
				50	Paper Feed Motor - Tray 1: CLK	O	Sleep	Normal			1			
				51	3rd Tray Set Sensor SW	I	Set	Not Set			39	CN301	RYB	
				52	2nd Tray Set Sensor SW	I	Set	Not Set			38			
				53	3rd Tray Size SensorSW5	I	Set (Combination)	Not Set (Combination)			37			
				54	3rd Tray Size SensorSW4	I	Set (Combination)	Not Set (Combination)			36			
				55	3rd Tray Size SensorSW3	I	Set (Combination)	Not Set (Combination)			35			
				56	3rd Tray Size SensorSW2	I	Set (Combination)	Not Set (Combination)			34			
				57	3rd Tray Size SensorSW1	I	Set (Combination)	Not Set (Combination)			33			
				58	2nd Tray Size SensorSW5	I	Set (Combination)	Not Set (Combination)			32			
				59	2nd Tray Size SensorSW4	I	Set (Combination)	Not Set (Combination)			31			
				60	2nd Tray Size SensorSW3	I	Set (Combination)	Not Set (Combination)			30			
				61	2nd Tray Size SensorSW2	I	Set (Combination)	Not Set (Combination)			29			
				62	2nd Tray Size SensorSW1	I	Set (Combination)	Not Set (Combination)			28			
				63	Tandem Tray Set Sensor - Right	I	Set	Not Set			27			
				64	Tandem Tray Set Sensor - Left	I	Set	Not Set			26			
				65	Right Tray Paper Set Sensor	I	Not Detect	Detect			25			
				66	Paper Height Sensor4	I	Not position 4 (Combination)	Bottom Position 4			24			
				67	Paper Height Sensor3	I	Not position 3 (Combination)	Bottom Position 3			23			
				68	Paper Height Sensor2	I	Not position 2 (Combination)	Bottom Position 2			22			
				69	Paper Height Sensor1	I	Not position 1 (Combination)	Bottom Position 1			21			
				70	Rear Side Fence Close Sensor	I	Not Closed	Rear Side Fence Open			20			
				71	Rear Side Fence Open Sensor	I	Not Open	Rear Side Fence Close			19			
				72	Front Side Fence Close Sensor	I	Not Closed	Front Side Fence Open			18			
				73	Front Side Fence Open Sensor	I	Not Open	Front Side Fence Close			17	</		

D270/D271/D272/M0AA/M0AB Pin Assign List

Harness No	Harness P/N	Connector (FROM)		Signal Information				Relay Harness/ N		Connector (TO)					
		To Connector	No	Pin No	Signal Name	Dirct	L	H	Pin No	No	To Connector				
13	D1795212	IOB	CN219	38	NC										
				1	Charge cleaner Motor :COM	P					CN1021	Charge cleaner Motor			
				2	Charge cleaner Motor :COM	P									
				3	NC										
				4	Charge cleaner Motor :A Phase	O									
				5	Charge cleaner Motor :A Phase	O									
				6	Charge cleaner Motor :B Phase	O									
				7	Charge cleaner Motor :B Phase	O									
				8	Toner Feed Motor:A Phase	O									
				9	Toner Feed Motor:COM	P					CN1022	Toner Feed Motor			
				10	Toner Feed Motor:A Phase	O									
				11	Toner Feed Motor:B Phase	O									
				12	NC										
				13	Toner Agitator Motor-A Phase	O									
				14	Toner Agitator Motor:COM	P					CN1023	Toner Agitator Motor			
				15	Toner Agitator Motor-A Phase	O									
				16	Toner Agitator Motor-B Phase	O									
17	Toner Agitator Motor-B Phase	O													
14	D1795213	IOB: Relay D2705205 CN1089	CN1089	1	Charge cleaner Position Sensor:GND				D2705204	CN1088	Charge cleaner Position Sensor				
				2	Charge cleaner Position Sensor: Output										
				3	Charge cleaner Position Sensor:5V										
				4	Laser Cooling Fan:24V					CN996	Laser Cooling Fan				
				5	Laser Cooling Fan:Lock Sensor										
				6	Laser Cooling Fan:GND										
				7	PCDU Temperature/Humidity Sensor:Thermistor Terminals										
				8	PCDU Temperature/Humidity Sensor:GND(Thermistor)					CN1085	PCDU Temperature/Humidity				
				9	PCDU Temperature/Humidity Sensor:Humidity Output										
				10	PCDU Temperature/Humidity Sensor:5V										
				11	Drum Cleaning Lubricant Detect:GND					D1795333	CN1009	Drum Cleaning Lubricant Detect			
				12	Drum Cleaning Lubricant Detect										
				13	Drum Cleaning Set Sensor:GND										
				14	Drum Cleaning Set Sensor										
				15	D1795214	IOB: Relay D2705215 CN1013	CN1013	1	Drum Potential Sensor:24VS					CN1008	Drum Potential Sensor
				2				Drum Potential Sensor: Output							
				3				Drum Potential Sensor:GND							
4	Drum Potential Sensor:GND														
16	D2705215	IOB	CN220	1	Right Intake Fan - Front:24VS	P			D1795226	CN1019	Right Intake Fan - Front				
				2	Right Intake Fan - Front:Lock Sensor	I	ON	OFF							
				3	Right Intake Fan - Front:GND	G									
				4	Right Intake Fan - Front:Speed switching	O									
				5	Right Intake Fan - Center:24VS	P									
				6	Right Intake Fan - Rear:Lock Sensor	I	ON	OFF							
				7	Right Intake Fan - Rear:GND	G									
				8	Right Intake Fan - Rear:Speed switching	O									
				9	Right Intake Fan - Rear:24VSz	P									
				10	Right Intake Fan - Center:Lock Sensor	I	ON	OFF							
				11	Right Intake Fan - Center:GND	G									
				12	Right Intake Fan - Center:Speed switching	O									
				13	Ozone Intake Fan:24V	P				CN971	Ozone Intake Fan				
				14	Ozone Intake Fan:Lock Sensor	I	ON	OFF							
				15	Ozone Intake Fan:GND	G									
				16	Ozone Intake Fan:PWM	O									
				17	Toner empty Sensor:GND	G				D1795242	CN972	Toner empty Sensor			
				18	Toner empty Sensor: Output	I	Not Detect	Detect							
				19	Toner empty Sensor:5V	P									
				20	NC										
				21	Charge cleaner Position Sensor:GND	G				D1795218	CN1089	Charge cleaner Position Sensor			
				22	Charge cleaner Position Sensor: Output	I	Not Cleaner Home position	Cleaner Home position							
				23	Charge cleaner Position Sensor:5V	P									
				24	Laser Cooling Fan:24V	P									
				25	Laser Cooling Fan:Lock Sensor	I	ON	OFF							
				26	Laser Cooling Fan:GND	G									
				27	PCDU Temperature/Humidity Sensor:Thermistor Terminals	I									
				28	PCDU Temperature/Humidity Sensor:GND(Thermistor)	G									
				29	PCDU Temperature/Humidity Sensor:Humidity										
				30	PCDU Temperature/Humidity Sensor:5V	P									
				31	Drum Cleaning Lubricant Detect:GND	G									
				32	Drum Cleaning Lubricant Detect	I	Detect	Not Detect							
				33	Drum Cleaning Set Sensor:GND	G									
				34	Drum Cleaning Set Sensor	I	Set	Not Set							
				35	Drum Cleaning Set Sensor:24VS	P									
				36	Drum Potential Sensor:24VS	P				D1795214	CN1103	Drum Potential Sensor			
				37	Drum Potential Sensor: Output	I									
				38	Drum Potential Sensor:GND	G									
				39	NC										
				40	NC										
17	D2705335 CN632	RYB: Relay D2705335 CN632	CN632	1	NC										
				2	Toner Bottle Motor - Left										
				3	Toner Bottle Motor - Left:24V	P				D1795244	CN1039	Toner Bottle Motor - Left			
				4	Toner Bottle Chuck O/C Sensor - Left:GND	G									
				5	Toner Bottle Chuck O/C Sensor - Left	I									
				6	Toner Bottle Chuck O/C Sensor - Left:5V	P									
				7	Toner Bottle Sensor - Left:GND	G				D1795217	CN1034	Toner Bottle Sensor - Left			
				8	Toner Bottle Sensor - Left: Output	I									
				9	Toner Bottle Sensor - Left:5V	P									
				10	Bottle Inner Cap Motors - Left:H Bridge (Regular)										
				11	Bottle Inner Cap Motors - Left:H Bridge (Reverse)										
				12	Toner Bottle Motor - Right					CN1038	Toner Bottle Motor - Right				
				13	Toner Bottle Motor - Right:24V	P									
				14	Toner Bottle Chuck O/C Sensor - Right:GND	G				D1795244	CN1037	Toner Bottle Chuck O/C Sensor - Right			
				15	Toner Bottle Chuck O/C Sensor - Right	I									
				16	Toner Bottle Chuck O/C Sensor - Right:5V	P									
				17	Toner Bottle Sensor - Right:GND	G				D1795217	CN1033	Toner Bottle Sensor - Right			
				18	Toner Bottle Sensor - Right: Output	I									
				19	Toner Bottle Sensor - Right:5V	P									
				20	Bottle Inner Cap Motors - Right:H Bridge (Regular)										
				21	Bottle Inner Cap Motors - Right:H Bridge (Reverse)										
				22	NC										
18	IOB	CN225	1	Testing For Fusing RLY Drive	I				CN1093						
			2	T24V	P										
			3	Testing For AC Junction Gate RLY Drive	I										
			4	T5V	P										
			5	LCT PCB side (=Condenser=GND)	G				CN742	LCT					
			6	LCT PCB side (=Condenser=GND)	G										
			7	LCT PCB side (=Condenser=GND)	G										
			8	LCT RXD2	I										
			9	GND	G										
			10	LCT TXD2	O										
			11	LCT RXD1	I										
			12	GND	G										
			13	LCT TXD1	O										
19	IOU: Relay D1795239 CN1082	CN1082	1	HP Sensor					CN372	SIO					
			2	Scanner Motor Standard Voltage Switch3											
			3	Scanner Motor Standard Voltage Switch2											
			4	Scanner Motor Standard Voltage Switch1											
			5	Scanner Motor Reset Signal											
			6	Scanner Motor Direction of rotation Switch Signal											
			7	Scanner Motor Clock Signal											
			8	Scanner Motor Excitation Mode Switch2											
			9	Scanner Motor Excitation Mode Switch1											
			10	Scanner Motor Enable signal											
			11	NC											
			12	Original Size Sensor1											
			13	Original Size Sensor2											
			14	Original Size Sensor3											
			15	Original Size Sensor4											
			16	Original Size Sensor5											
			17	Original Size Sensor ON Signal											
			18	GND											

D270/D271/D272/M0AA/M0AB Pin Assign List

Harness No	Harness P/N	Connector (FROM)		Signal Information				Relay Harness/ N		Connector (TO)						
		To Connector	No	Pin No	Signal Name	Dirct	L	H	Pin No	No	To Connector					
18	D1795217	RYB: Relay D2705215 CN1033 CN1034	CN1033	1	Toner Bottle Sensor:GND						CN978	Toner Bottle Sensor				
				2	Toner Bottle Sensor: Output											
				3	Toner Bottle Sensor:5V											
				4	Bottle Inner Cap Motors:H Bridge (Regular)						CN976	Bottle Inner Cap Motors				
				5	Bottle Inner Cap Motors:H Bridge (Reverse)											
				19	D2705218	IOB	CN221	1	Charge, Grid, Bias Power Pack (CGB):B Trouble Sensor Signal	I	Not Detect	Detect			CN151	Charge, Grid, Bias Power Pack (CGB)
								2	Charge, Grid, Bias Power Pack (CGB):B Output Control Signal	O						
								3	Charge, Grid, Bias Power Pack (CGB):G Trouble Sensor Signal	I	Not Detect	Detect				
								4	Charge, Grid, Bias Power Pack (CGB):G Output Control Signal	O						
								5	Charge, Grid, Bias Power Pack (CGB):C2 Trouble Sensor Signal	I	Not Detect	Detect				
								6	Charge, Grid, Bias Power Pack (CGB):C2 Output Control Signal	O						
								7	Charge, Grid, Bias Power Pack (CGB):C1 Trouble Sensor Signal	I	Not Detect	Detect				
								8	Charge, Grid, Bias Power Pack (CGB):C1 Output Control Signal	O						
								9	Charge, Grid, Bias Power Pack (CGB):GND	G						
								10	Charge, Grid, Bias Power Pack (CGB):GND	G						
11	Charge, Grid, Bias Power Pack (CGB):GND	G														
12	Charge, Grid, Bias Power Pack (CGB):+24VSPower	P														
13	Charge, Grid, Bias Power Pack (CGB):+24VSPower	P														
14	Fusing Motor:CCW/CW	O	CCW					CW			CN1048	Fusing Motor				
15	Fusing Motor:LOCK	I	OFF					ON (Rated)								
16	Fusing Motor:START/STOP	O	Short Brake	ON												
17	Fusing Motor:CLK	G														
18	Fusing Motor:GND	G														
19	NC															
20	Development Cooling Fan - Rear:24V	P					D1795243	CN992	Development Cooling Fan - Rear							
21	Development Cooling Fan - Rear:Lock	I	ON	OFF												
22	Development Cooling Fan - Rear:GND	G														
23	Development Cooling Fan - Rear:Speed switching	O														
24	NC															
25	Ozone Vent Fan:24V	P					CN993	Ozone Vent Fan								
26	Ozone Vent Fan:Lock Sensor	I	ON	OFF												
27	Ozone Vent Fan:GND	G														
28	Ozone Vent Fan:PWM	O														
29	Used Toner Collection Lock Sensor:GND	G					D2705204	CN984	Used Toner Collection Lock Sensor							
30	Used Toner Collection Lock Sensor: Output	I	Lock	Unlock												
31	Used Toner Collection Lock Sensor:5V	P														
32	Used Toner Collection Motor:GND	G	Number of revolutions -	Number of revolutions a.b.c.x			CN983	Used Toner Collection Motor								
33	Used Toner Collection Motor:CLK	O														
34	Used Toner Collection Motor:LOCK	I	ON (Rated)	OFF												
35	Used Toner Collection Motor:START/STOP	O	OFF	ON												
36	Used Toner Collection Motor:GND	G														
37	Used Toner Collection Motor:24VS	P														
38	Used Toner Collection Motor:24VS	P														
19	IOB	CN223	1	NC							D2705221	CN1070	Thermopile (Heating Roller End) Spread Size			
			2	Thermopile (Heating Roller End) Spreac	P											
			3	Size:5VL												
			4	Thermopile (Heating Roller End) Spreac	G											
			5	Thermopile (Heating Roller End) Spreac	I											
			6	Size: Sensor Output	I											
			7	NC												
			8	Thermopile (Heating Roller End) :5VL	P											
			9	Thermopile (Heating Roller End) :GND	G											
			10	Thermopile (Heating Roller End) : Sensor	I											
			11	Output	I											
			12	NC												
			13	Thermopile (Heating Roller Center) :5VL	P											

D270/D271/D272/M0AA/M0AB Pin Assign List

Harness No	Harness P/N	Connector (FROM)				Signal Information				Relay Harness/ N	Pin No	Connector (TO)										
		To Connector	No	Pin No	Signal Name	Dirct	L	H	To Connector			No	Pin No	Signal Name								
20	IOB	CN210	31	Duplex Transport Sensor1	I	Detect	Not Detect				19											
			32	Heat Pipe Motor: PWM	O	OFF	ON				20											
			33	Heat Pipe Motor: CW/CW	O	CW	CW				18											
			34	Heat Pipe Motor: BRAKE	O	Release	Brake				17											
			35	Heat Pipe Motor: FG	I	---	---				16											
			36	Exit Motor: PWM	O	OFF	ON				15											
			37	Exit Motor: CW/CW	O	CW	CW				14											
			38	Exit Motor: BRAKE	O	Release	Brake				13											
			39	Exit Motor: FG	I	---	---				12											
			40	Pressure Roller Lift Motor: PWM	O	OFF	ON				11											
			41	Pressure Roller Lift Motor: CW/CW	O	CW	CW				10											
			42	Pressure Roller Lift Motor: BRAKE	O	Release	Brake				9											
			43	Pressure Roller Lift Motor: ENC_A	I	---	---				8											
			44	Pressure Roller Lift Motor: ENC_B	I	---	---				7											
			45	Exit LED: Drive	O	OFF	ON				6											
			46	Duplex Invert LED: Drive	O	OFF	ON				5											
			47	Left Drawer Lever LED: Drive	O	OFF	ON				4											
			48	HP Belt LED: Drive	O	OFF	ON				3											
			49	N.C.							2											
			50	N.C.							1											
			21	D2705220	IOB: Relay D2705215 CN1040	1	Key Counter GND							4	Key Counter							
						2	Key Counter SET								3							
						3	Key Counter 24V									2						
						4	Key Counter ON									1						
						22	D2705221	IOB: Relay D2705218 CN1070	1	N.C. (Thermistor Output)							11	Thermopile (Heating Roller End) Spread Size				
									2	Thermopile (Heating Roller End) Spread Size:5VL								12				
									3	Thermopile (Heating Roller End) Spread Size:GND								10				
									4	Thermopile (Heating Roller End) Spread Size: Sensor Output								9				
									5	N.C. (Thermistor Output)								8				
									6	Thermopile (Heating Roller End) :5VL								7				
									7	Thermopile (Heating Roller End) :GND								6				
									8	Thermopile (Heating Roller End) : Sensor Output								5				
									9	N.C. (Thermistor Output)								4				
									10	Thermopile (Heating Roller Center) :5VL								3				
									11	Thermopile (Heating Roller Center) :GND								2				
									12	Thermopile (Heating Roller Center) : Sensor Output								1				
									13	Development Cooling Fan - Front:24V								5	Development Cooling Fan - Front			
									14	Development Cooling Fan - Front:Lock								4				
									15	Development Cooling Fan - Front:GND								3				
									16	Development Cooling Fan - Front:Speed switching								2				
									17	NC								1				
									18	Belt Cleaning Cooling Fan:24V								3	Belt Cleaning Cooling Fan			
									19	Belt Cleaning Cooling Fan:Lock Sensor								2				
									20	Belt Cleaning Cooling Fan:GND								1				
									21	NC								-				
									22	NC								-				
									23	NC								-				
									24	NC								-				
									23	D1795222	IOB: Relay D2705221 CN880	1	N.C. (Thermistor Output)							4	Thermopile (Heating Roller End) Spread Size	
												2	Thermopile (Heating Roller End) Spread Size:5VL							3		
3	Thermopile (Heating Roller End) Spread Size:GND													2								
4	Thermopile (Heating Roller End) Spread Size: Sensor Output													1								
5	N.C. (Thermistor Output)													-								
6	Thermopile (Heating Roller End) :5VL													-								
7	Thermopile (Heating Roller End) :GND							-														
8	Thermopile (Heating Roller End) : Sensor Output							-														
9	N.C. (Thermistor Output)							-														
10	Thermopile (Heating Roller Center) :5VL							-														
11	Thermopile (Heating Roller Center) :GND							-														
12	Thermopile (Heating Roller Center) : Sensor Output							-														
24	D2705223	IOB	1	Decurler upper/under Switching Motor: Excitation switching	O	1-2 Phase Excitation	2 Phase Excitation				19	Decurler Lift Motor										
			2	Decurler upper/under Switching Motor:ERR	I	Normal	Trouble				18											
			3	Decurler upper/under Switching Motor: Current switching	O	OFF	ON				17											
			4	Decurler upper/under Switching Motor: Forward/Reverse	O	CCW	CW				16											
			5	Decurler upper/under Switching Motor: CLK	O						15											
			6	Decurler upper/under Switching Motor: ERK	I	Normal	Trouble				14											
			7	Decurler transport Motor:ERR	I	Normal	Trouble				13											
			8	Decurler transport Motor:Current switching	O	OFF	ON				12											
			9	Decurler transport Motor:Forward/Reverse	O	CCW	CW				11											
			10	Decurler transport Motor:CLK	O						10											
			11	Decurler transport Motor:Enable	O	Sleep	Normal				9											
			12	Decurler transport Motor:MODE	O	1-2 Phase Excitation	2 Phase Excitation				8											
			13	Decurler Set Sensor	I	Set	Not Set				7											
			14	Decurler Over-limit Sensor	I	Normal	Over-limit				6											
			15	Decurler HP Sensor	I	1 Edge Interrupt					5											
			16	DDR8 GND	G						4											
			17	DDR8 Motor Reset	O	OFF	ON				3											
			18	DDR8 GND	G						2											
			19	DDR8 5V	P						1											
			20	NC							-											
			21	Total Counter:24V	P						2	Total Counter										
			22	Total Counter:TRG	O	Count UP	Not Count UP				19	Total Counter										
			23	Test Trigger(24V)	P						18											
			24	Energy saving Trigger	O	Energy saving	Energy saving OFF				17											
			25	Test Trigger(5V)	O						16											
			26	Test Jig :24V	P						15											
			27	Power Relay Trigger-1(High-side)	O	Fusing Relay:OFF	Fusing Relay:ON				14											
			28	Test Jig :5V	P						13											
			29	Power Relay Trigger-2(Low-side side)	O	Fusing Relay:OFF	Fusing Relay:ON				12											
			30	AC Voltage Sensor date	I						11											
			31	AC Voltage Sensor Circuit Power:24V	P						10											
			32	Heater Trigger	O	Relay OFF	Relay ON				9											
			33	AC Drive 5VL	P						8											
			34	Zero-cross Signal	I						7											
			35	AC Drive GND	G						6											
			36	Fusing Heater Trigger1	O	Triac OFF	Triac ON				5											
			37	Fusing Heater Trigger2	O	Triac OFF	Triac ON				4											
			38	Fusing Heater Trigger3	O	Triac OFF	Triac ON				3											
			39	Fusing Heater Trigger4	O	Triac OFF	Triac ON				2											

D270/D271/D272/M0AA/M0AB Pin Assign List

Harness No	Harness P/N	Connector (FROM)				Signal Information				Relay Harness/ N	Pin No	Connector (TO)				
		To Connector	No	Pin No	Signal Name	Dirct	L	H	To Connector			No	Pin No	Signal Name		
25	D1795224	IOB: Relay D2705211 CN991	1	Development Motor:GND							10	Development Motor				
			2	Development Motor:5V							9					
			3	Development Motor:Gain Change							8					
			4	Development Motor:CLOCK							7					
			5	Development Motor:LOCK							6					
			6	Development Motor:STRT/STOP							5					
			7	Development Motor:GND							4					
			8	Development Motor:GND							3					
			9	Development Motor:24V2							2					
			10	Development Motor:24V2							1					
			26	D1795225	IOB: Relay D2705215 CN1019	1	Right Intake Fan - Front:24VS							8	Right Intake Fan - Front	
						2	Right Intake Fan - Front:Lock Sensor							7		
						3	Right Intake Fan - Front:GND							6		
						4	Right Intake Fan - Front:Speed switching							5		
						5	Right Intake Fan - Center:24VS							4	Right Intake Fan - Center	
						6	Right Intake Fan - Rear:Lock Sensor							3	Right Intake Fan - Rear	
						7	Right Intake Fan - Rear:GND							2		
						8	Right Intake Fan - Rear:Speed switching							1		
						9	Right Intake Fan - Rear:24VS2							4		
						10	Right Intake Fan - Center:Lock Sensor							3	Right Intake Fan - Center	
						11	Right Intake Fan - Center:Lock Sensor							2		
			27	D1795226	IOB: Relay D1795225 CN1014	1	Right Intake Fan - Front:24VS							8	Right Intake Fan - Front	
						2	Right Intake Fan - Front:Lock Sensor							7		
						3	Right Intake Fan - Front:GND							6		
						4	Right Intake Fan - Front:Speed switching							5		
						5	Right Intake Fan - Center:24VS2							4	Right Intake Fan - Center	
						6	Right Intake Fan - Center:Lock Sensor							3	Right Intake Fan - Center	
						7	Right Intake Fan - Center:GND							2		
						8	Right Intake Fan - Center:Speed switching							1		
						9	Right Intake Fan - Rear:24VS2							4		
						10	Right Intake Fan - Center:Lock Sensor							3	Right Intake Fan - Center	
11	Right Intake Fan - Center:Lock Sensor										2					
28	D2705227	PSU-A: Relay D2705234 CN1055	1	GND							2	RYB				
			2	GND							3					
			3	GND							4					
			4	GND							5					
			5	GND							6					
			6	N.C.							7					
			7	+24VS1							8					
			8	+24VS1							9					
			9	+5VL A							10					
			10	+5VS							11					
			11	+5V							12					
			12	+5V							13					
			13	+5V												

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Harness No	Harness P/N	Connector (FROM)		Signal Information				Relay Harness/ N		Connector (TO)			
		To Connector	No	Pin No	Signal Name	Dirct	L	H	Pin No	No	To Connector		
35	D2705234	AC PCB: Relay D1795292 CN1070	CN1070	32	SC:T1	I	Normal	Detect	D2705350	1	CN750	ITB Unit Heater	
				33	AD:T1	I							2
				34	PWM:T2(-)	O							3
				35	SC:T2(+)	I	Normal	Detect					4
				36	AD:T2(-)	I							5
				37	PWM:T2(+)	O							6
				38	NC								7
				39	NC								8
				40	NC								9
				41	NC								10
				42	NC								11
				43	NC								12
				44	NC								13
				45	NC								14
				46	NC								15
				47	NC								16
				48	NC								17
				49	NC								18
				50	NC								19
				51	NC								20
				52	NC								21
				53	NC								22
				54	NC								23
				55	NC								24
				56	NC								25
				57	NC								26
				58	NC								27
				59	NC								28
				60	NC								29
				61	NC								30
				62	NC								31
				63	NC								32
				64	NC								33
				65	NC								34
				66	NC								35
				67	NC								36
				68	NC								37
				69	NC								38
				70	NC								39
				71	NC								40
				72	NC								41
				73	NC								42
				74	NC								43
				75	NC								44
				76	NC								45
				77	NC								46
				78	NC								47
				79	NC								48
				80	NC								49
				81	NC								50
				82	NC								51
				83	NC								52
				84	NC								53
				85	NC								54
				86	NC								55
				87	NC								56
				88	NC								57
				89	NC								58
				90	NC								59
				91	NC								60
92	NC				61								
93	NC				62								
94	NC				63								
95	NC				64								
96	NC				65								
97	NC				66								
98	NC				67								
99	NC				68								
100	NC				69								
101	NC				70								
102	NC				71								
103	NC				72								
104	NC				73								
105	NC				74								
106	NC				75								
107	NC				76								
108	NC				77								
109	NC				78								
110	NC				79								
111	NC				80								
112	NC				81								
113	NC				82								
114	NC				83								
115	NC				84								
116	NC				85								
117	NC				86								
118	NC				87								
119	NC				88								
120	NC				89								
121	NC				90								
122	NC				91								
123	NC				92								
124	NC				93								
125	NC				94								
126	NC				95								
127	NC				96								
128	NC				97								
129	NC				98								
130	NC				99								
131	NC				100								
132	NC				101								
133	NC				102								
134	NC				103								
135	NC				104								
136	NC				105								
137	NC				106								
138	NC				107								
139	NC				108								
140	NC				109								
141	NC				110								
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143	NC				112								
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146	NC				115								
147	NC				116								
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150	NC				119								
151	NC				120								
152	NC				121								
153	NC				122								
154	NC				123								
155	NC				124								
156	NC				125								
157	NC				126								
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159	NC				128								
160	NC				129								
161	NC				130								
162	NC				131								
163	NC				132								
164	NC				133								
165	NC				134								
166	NC				135								
167	NC				136								
168	NC				137								
169	NC				138								
170	NC				139								
171	NC				140								
172	NC				141								
173	NC				142								
174	NC				143								
175	NC				144								
176	NC				145								
177	NC				146								
178	NC				147								
179	NC				148								
180	NC				149								
181	NC				150								
182	NC				151								
183	NC				152								
184	NC				153								
185	NC				154								
186	NC				155								
187	NC				156								
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189	NC				158								
190	NC				159								
191	NC				160								
192	NC				161								
193	NC				162								
194	NC				163								
195	NC				164								
196	NC				165								
197	NC				166								
198	NC				167								
199	NC				168								
200	NC				169								
201	NC				170								
202	NC				171								
203	NC				172								
204	NC				173								
205	NC				174								
206	NC				175								
207	NC				176								
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209	NC				178								
210	NC				179								
211	NC				180								
212	NC				181								
213	NC				182								
214	NC				183								
215	NC				184								
216	NC				185								
217	NC				186								
218	NC				187								
219	NC				188								
220	NC				189								
221	NC				190								
222	NC				191								
223	NC				192								
224	NC				193								
225	NC				194								
226	NC				195								
227	NC				196								
228	NC				197								
229	NC				198								
230	NC				199								
231	NC				200								
232	NC				201								
233	NC				202								
234	NC				203								
235	NC				204								
236	NC				205								
237	NC				206								
238	NC				207								
239	NC				208								
240	NC				209								
241	NC				210								
242	NC				211								
243	NC				212								
244	NC				213								
245	NC				214								
246	NC				215								
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250	NC				219								
251	NC				220								
252	NC				221								
253	NC				222								
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256	NC				225								
257	NC				226								
258	NC				227								
259	NC				228								
260	NC				229								
261	NC				230								
262	NC				231								
263	NC				232								
264	NC				233								
265	NC				234								
266	NC				235								
267	NC				236								
268	NC				237								
269	NC				238								
270	NC				239								
271	NC				240								
272	NC				241								
273	NC				242								
274	NC				243								
275	NC				244								
276	NC				245								
277	NC				246								
278	NC				247								
279	NC				248								
280	NC				249								
281	NC				250								
282	NC				251								
283	NC				252								
284	NC				253								
285	NC				254								
286	NC				255								
287	NC				256								
288	NC				257								
289	NC				258								
290	NC												





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Harness No	Harness P/N	Connector (FROM)		Signal Information				Relay Harness/ N		Connector (TO)					
		To Connector	No	Signal Name	Dirct	L	H	Pin No	No	To Connector					
94	D1795293	AC PCB	CN401	1	For Short Harness			9	CN403	AC Drive					
				2	Heater1				2	CN1070	Heater				
				3	Scanner Heater L				2	CN1085	Scanner Heater				
				4	LCT Heater L				6	CN1064	LCT Heater				
				5	Paper Feed Heater (under) L				5		Paper Feed Heater (under)				
				6	Paper Feed Heater (upper) L				4		Paper Feed Heater (upper)				
				7	Heater1_2HOT(H)				1	CN1088	using Heater				
				8	NC				2						
				9	Heater3_4HOT(H)				3						
				10	Heater1(N)				1	CN1061	Fusing Heater				
				11	Heater2(N)				2						
				12	Heater3(N)				3						
				13	Heater4(N)				4						
				14	Heater5HOT(H)				1	CN1079	Fusing Heater				
				15	Heater5(N)				2						
16	NC				2										
100	D1795299	Circuit Breaker	CN1080	1	Breaker ~ Noise Filter(H)			1	CN1082	Noise Filer					
				2	Breaker ~ Noise Filter(N)			1	CN1083						
				3	NC										
				4	NC										
101	D2705300	IOB: Relay D2705241 CN801	CN803	1	NC										
				2	Main Relay LED: Drive(LED D1)				A18	CN261	DRB				
				3	LCT Relay LED: Drive(LED D2)				A15						
				4	Registration Timing LED: Drive(LED D3)				A14						
				5	Paper Transfer Timing LED: Drive(LED D4)				A13						
				6	Right Drawer Lever LED: Drive(LED D5)				A12						
				7	Registration Gate Motor: CD				A11						
				8	Registration Gate Motor: CW				A10						
				9	Registration Gate Motor: CW				A9						
				10	Registration Gate Motor: CW				A8						
				11	Registration Gate Motor: CLK				A7						
				12	Registration Entrance Motor: CD				A6						
				13	Registration Entrance Motor: EN				A5						
				14	Registration Entrance Motor: CW				A4						
				15	Registration Entrance Motor: CLK				A3						
16	PTR Cooling Fan: LDC				A2										
17	PTR Cooling Fan: DR				A1										
102	D1795301	RYB: Relay D2705241 CN805	CN804	1	Trailing Edge Shift Motor: CLK				B16						
				2	Trailing Edge Shift Motor: CW				B15						
				3	Trailing Edge Shift Motor: CN				B14						
				4	Trailing Edge Shift Motor: CD				B13						
				5	Transfer timing Motor: CLK				B12						
				6	Transfer timing Motor: CW				B11						
				7	Transfer timing Motor: EN				B10						
				8	Transfer timing Motor: CD				B9						
				9	Registration Timing Motor: CD				B8						
				10	Registration Timing Motor: EN				B7						
				11	Registration Timing Motor: CW				B6						
				12	Registration Timing Motor: CLK				B5						
				13	Registration Shift Motor: CD				B4						
				14	Registration Shift Motor: EN				B3						
				15	Registration Shift Motor: CW				B2						
16	Registration Shift Motor: CLK				B1										
103	D2705302	IOB: Relay D2705241 CN810	CN805	1	+24VS			1	CN260	DRB					
				2	GND			3							
				3	+5V			5							
				4	NC			4							
				5	NC			4	CN260	DRB					
				6	+24VS			2							
				104	D2705303	IOB: Relay D2705241 CN811	CN806	1	TH Transport Motor: CD				A12	CN262	DRB
								2	TH Transport Motor: EN				A11		
								3	TH Transport Motor: CW				A10		
								4	TH Transport Motor: CLK				A9		
								5	Duplex Transport Motor2: CD				A8		
								6	Duplex Transport Motor2: EN				A7		
								7	Duplex Transport Motor2: CW				A6		
								8	Duplex Transport Motor2: CLK				A5		
								9	LCT Relay Separation Motor: CD				A4		
10	LCT Relay Separation Motor: EN								A3						
11	LCT Relay Separation Motor: CW								A2						
12	LCT Relay Separation Motor: CLK								A1						
13	Main Relay Separation Motor: CD								B12						
14	Main Relay Separation Motor: EN								B11						
15	Main Relay Separation Motor: CW								B10						
16	Main Relay Separation Motor: CLK				B9										
17	PTR Cooling Fan - Front: Lock				B8										
18	PTR Cooling Fan - Front: DR				B7										
19	PTR Cooling Fan - Rear: Lock				B6										
20	PTR Cooling Fan - Rear: DR				B5										
21	IOB: RES1				B4										
22	Transfer timing Motor: CD2				B3										
23	NC				B2										
24	NC				B1										
105	D2705302	IOB: Relay D2705241 CN810	CN810	1	NC										
				2	NC										
				3	NC										
				4	Paper Transport Fan - Front: Lock				A19	CN263	DRB				
				5	Paper Transport Fan - Front: DR				A18						
				6	Paper Transport Fan - Rear: Lock				A17						
				7	Paper Transport Fan - Rear: DR				A16						
				8	Motor Driver Error				A15						
				9	DRB Set Sensor				A14						
				10	Sending Signal Drive Wave(A Phase)				A13						
				11	Sending Signal Drive Wave(B Phase)				A12						
				12	Double-Feed Sensors Output Signal				A11						
				13	Separation Power Pack Error Detect				A10						
				14	Double-Feed Sensors Sensitivity Sensor				A9						
				15	Gain Change Signal2				A8						
16	Gain Change Signal1				A7										
17	Double-Feed Sensors Detection CLR Signal				A6										
18	CIS: COMP_TH				A5										
19	CIS: LED_PWM				A4										
20	CIS: DIN				A3										
21	CIS: SYNC				A2										
22	CIS: CLK				A1										
106	D2705303	DRB	CN814	1	PTIS Sensor				B19						
				2	Duplex Unit Exit Sensor				B18						
				3	Duplex Transport Sensor6				B17						
				4	Duplex Transport Sensor5				B16						
				5	Duplex Transport Sensor4				B15						
				6	Registration Shift HP Sensor				B14						
				7	Rotary Gate HP Sensor				B13						
				8	Trailing Edge Shift HP Sensor				B12						
				9	LCT Relay Separation Motor				B11						
				10	Main Relay Separation HP Sensor				B10						
				11	Main Relay Sensor				B9						
				12	LCT Relay Sensor				B8						
				13	Transfer Timing Sensor				B7						
				14	Registration Timing Sensor				B6						
				15	Registration Entrance Sensor				B5						
16	NC				B4										
17	NC				B3										
18	Separation Power Pack PWM (AC)				B2										
19	Separation Power Pack PWM (DC)				B1										
107	D1795306	DRB	CN271	1	LCT Relay Sensor: GND										
				2	LCT Relay Sensor: Vout										
				3	LCT Relay Sensor: +5V										
				4	Duplex Transport Motor2: A										
				5	Duplex Transport Motor2: +24VS										
				6	Duplex Transport Motor2: -A										
				7	Duplex Transport Motor2: B										
				8	Duplex Transport Motor2: +24VS										
				9	Duplex Transport Motor2: -B										
				10	Trailing Edge Shift Motor: A										
				11	Trailing Edge Shift Motor: +24VS										
				12	Trailing Edge Shift Motor: -A										
				13	Trailing Edge Shift Motor: -A										
				14	Trailing Edge Shift Motor: B										
				15	Trailing Edge Shift Motor: +24VS										
16	Trailing Edge Shift Motor: -B														
17	Main Relay Separation Motor: A														
18	Main Relay Separation Motor: +24VS														
19	Main Relay Separation Motor: -A														
20	Main Relay Separation Motor: B														
21	Main Relay Separation Motor: +24VS														
22	Main Relay Separation Motor: -B														

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Harness No	Harness P/N	Connector (FROM)		Signal Information				Relay Harness/ N		Connector (TO)	
		To Connector	No	Signal Name	Dirct	L	H	Pin No	No	To Connector	
108	D2705307	DRB	CN267	1	Duplex Transport Motor2: A						
				2	Duplex Transport Motor2: +24VS						
				3	Duplex Transport Motor2: -A						
				4	Duplex Transport Motor2: B						
				5	Duplex Transport Motor2: +24VS						
				6	Duplex Transport Motor2: -B						
				7	Trailing Edge Shift Motor: A						
				8	Trailing Edge Shift Motor: +24VS						
				9	Trailing Edge Shift Motor: -A						
				10	Trailing Edge Shift Motor: -A						
				11	Trailing Edge Shift Motor: B						
				12	Trailing Edge Shift Motor: +24VS						
				13	Trailing Edge Shift Motor: -B						
				14	Main Relay Separation Motor: A						
				15	Main Relay Separation Motor: +24VS						
16	Main Relay Separation Motor: -A										
17	Main Relay Separation Motor: B										
18	Main Relay Separation Motor: +24VS										
19	Main Relay Separation Motor: -B										
20	LCT Relay Separation Motor: A										
21	LCT Relay Separation Motor: +24VS										
22	LCT Relay Separation Motor: -A										
23	LCT Relay Separation Motor: B										
24	LCT Relay Separation Motor: +24VS										
25	LCT Relay Separation Motor: -B										
26	Registration Entrance Sensor: GND										
27	Registration Entrance Sensor: Vout										
28	Registration Entrance Sensor: +5V										
29	Registration Timing Sensor: GND										
30	Registration Timing Sensor: Vout										
31	Registration Timing Sensor: +5V										
32	Trailing Edge Shift HP Sensor: GND										
33	Trailing Edge Shift HP Sensor: Vout										
34	Trailing Edge Shift HP Sensor: +5V										
35	Duplex Transport Sensor4: GND										
36	Duplex Transport Sensor4: Vout										
37	Duplex Transport Sensor4: +5V										
38	Duplex Transport Sensor5: GND										
39	Duplex Transport Sensor5: Vout										
40	Duplex Transport Sensor5: +5V										
41	Duplex Transport Sensor6: GND										
42	Duplex Transport Sensor6: Vout										
43	Duplex Transport Sensor6: +5V										
44											



D270/D271/D272/M0AAA/M0AB Pin Assign List

Harness No	Harness P/N	Connector (FROM)				Signal Information				Relay Harness/ N				Connector (TO)					
		To Connector	No	Pin No	Signal Name	Dirct	ion	L	H	Pin No	No	Pin No	No	To Connector					
118	D2705317	DRB: Relay D1795378 CN825	CN825	7	LCIT Relay Separation Motor: A								6	CN840	LCIT Relay Separation				
				8	LCIT Relay Separation Motor: +24VS										5				
				9	LCIT Relay Separation Motor: A											4			
				10	LCIT Relay Separation Motor: B											3			
				11	LCIT Relay Separation Motor: +24VS											2			
				12	LCIT Relay Separation Motor: B											1			
				1	Paper Transport Fan - Front: +24VS												6	CN854	Paper Transport Fan - Front
				2	Paper Transport Fan - Front: Lock												5		
				3	Paper Transport Fan - Front: GND												4		
				4	Paper Transport Fan - Rear: +24VS												3		
				5	Paper Transport Fan - Rear: Lock												2		
				6	Paper Transport Fan - Rear: GND												1		
119	D2705318	DRB: Relay D2705307 CN826	CN826	1	PTB Sensor:GND														
				2	PTB Sensor:Vout														
				3	PTB Sensor:+5V														
120	D1795319	DRB: Relay D1795309 CN827	CN827	1	+24VS														
				2	LED PWM														
				3	+5V														
				4	CIS_CLK														
				5	CIS_SYNC														
				6	GND														
				7	CIS_D														
				8	CCMP_TH														
				9	NC														
				10	NC														
				11	NC														
				121	D1795320	DRB: Relay D1795310 CN828	CN828	1	Main Relay Separation HP Sensor: GND										
2	Main Relay Separation HP Sensor: Vout																		
3	Main Relay Separation HP Sensor: +5V																		
4	Main Relay Sensor: GND																		
5	Main Relay Sensor: Vout																		
6	Main Relay Sensor: +5V																		
7	LCIT Relay Separation Motor: GND																		
8	LCIT Relay Separation Motor: Vout																		
9	LCIT Relay Separation Motor: +5V																		
10	Registration Entrance Sensor: GND																		
11	Registration Entrance Sensor: Vout																		
12	Registration Entrance Sensor: +5V																		
13	Registration Timing Sensor: GND																		
14	Registration Timing Sensor: Vout																		
15	Registration Timing Sensor: +5V																		
122	D1795321	DRB: Relay D1795329 CN829	CN829	1	Rotary gate HP Sensor: GND														
				2	Rotary gate HP Sensor: Vout														
				3	Rotary gate HP Sensor: +5V														
				4	Transfer Timing Sensor: GND														
				5	Transfer Timing Sensor: Vout														
				6	Transfer Timing Sensor: +5V														
				1	Duplex Transport Sensor4: GND														
				2	Duplex Transport Sensor4: Vout														
				3	Duplex Transport Sensor4: +5V														
				4	Duplex Transport Sensor5: GND														
				5	Duplex Transport Sensor5: Vout														
				6	Duplex Transport Sensor5: +5V														
7	Duplex Transport Sensor6: GND																		
8	Duplex Transport Sensor6: Vout																		
9	Duplex Transport Sensor6: +5V																		
10	Duplex Unit Exit Sensor: GND																		
11	Duplex Unit Exit Sensor: Vout																		
12	Duplex Unit Exit Sensor: +5V																		
13	Main Relay LED: C																		
14	Main Relay LED: A																		
15	LCIT Relay LED: C																		
16	LCIT Relay LED: A																		
17	Registration Timing LED: C																		
18	Registration Timing LED: A																		
19	Paper Transfer Timing LED: C																		
20	Paper Transfer Timing LED: A																		
21	Right Drawer Lever LED: C																		
22	Right Drawer Lever LED: A																		
23	N.C.																		
24	N.C.																		
124	D1795323	DRB: Relay D1795312 CN831	CN831	1	Sending Signal Drive Wave Output(A)														
				2	Sending Signal Drive Wave Output(A Phase)														
				3	Gain switch Signalz														
				4	GND														
				5	Detection CLR Signal														
				6	Double-Feed Sensors Output Signal														
				7	Sensitivity Sensor Signal														
				8	+5V														
				9	NC														
				10	NC														
125	D1795324	DRB: Relay D2705317 CN854	CN854	1	Paper Transport Fan - Front: +24VS														
				2	Paper Transport Fan - Front: LOCK														
				3	Paper Transport Fan - Front: ON														
				4	Paper Transport Fan - Rear: +24VS														
				5	Paper Transport Fan - Rear: LOCK														
				6	Paper Transport Fan - Rear: ON														
126	D1795325	CRB	CN342	1	NC														
				2	CIS_24VS														
				3	LED_PWM														
				4	CIS_5VS														
				5	CIS_CLK														
				6	CIS_SYNC														
				7	CIS_GND														
				8	CIS_AD														
127	D1795326	DRB: Relay D1795323 CN866	CN866	1	Sending Signal Drive Wave Output(A)														
				2	Sending Signal Drive Wave Output(A Phase)														
				3	Gain switch Signalz														
				4	GND														
				5	Detection CLR Signal														
				6	Double-Feed Sensors Output Signal														
				7	Sensitivity Sensor Signal														
				8	+5V														
				9	NC														
				10	NC														
128	D1795327	Power Pack D	CN1004	1	O Output														
				2	NC														
				3	TD Sensor SCL														
				4	TD Sensor SDA														
				5	TD Sensor Vcc1														
				6	TD Sensor Vcc(+5V)														
				7	TD Sensor Vout														
				8	TD Sensor GND														
				9	PCL_VAA(+24V)														
				10	Sheet Metal Float Prevention GND														
				11	NC														
				12	NC														
				13	NC														
				14	NC														
				15	Developing Drawer Set Sensor														
130	D1795329	IOB: Relay D1795328 CN1002	CN1002	1	TD Sensor SCL														
				2	TD Sensor SDA														
				3	TD Sensor Vcc1														
				4	TD Sensor Vcc(+5V)														
				5	TD Sensor Vout														
				6	TD Sensor GND														
				7	NC														
				8	NC														
				9	NC														
				10	NC														
131	D2705330	DRB: Relay D2705308 CN868	CN868	1	NC														
				2	TH Transport Motor: +24VS														
				3	TH Transport Motor: A														

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Harness No	Harness P/N	Connector (FROM)				Signal Information				Relay Harness/ N				Connector (TO)				
		To Connector	No	Pin No	Signal Name	Dirct	L	H	Pin No	No	To Connector	No	Pin No	Signal Name	Dirct	L	H	
138	D2705337	RYB: Relay D2705335 CN725	CN725	22	2nd Tray Size Sensor3	I	Set	Not Set	11		D2705219	CN632	NC	2	1st Tray LED1 Anode			
				23	2nd Tray Size Sensor2	I	Set	Not Set	10					3	1st Tray LED2 Anode			
				24	2nd Tray Size Sensor1	I	Set	Not Set	9					4	1st Tray LED2 Cathode			
				25	GND	G			8					5	2nd Tray LED1 Anode			
				26	3rd Tray Set Sensor	I	Set	Not Set	7					6	2nd Tray LED1 Cathode			
				27	GND	G			6					7	2nd Tray LED2 Anode			
				28	3rd Tray Size Sensor5	I	Set	Not Set	5					8	2nd Tray LED2 Cathode			
				29	3rd Tray Size Sensor4	I	Set	Not Set	4					9	3rd Tray LED1 Anode			
				30	3rd Tray Size Sensor3	I	Set	Not Set	3					10	3rd Tray LED1 Cathode			
				31	3rd Tray Size Sensor2	I	Set	Not Set	2					11	3rd Tray LED2 Anode			
				32	3rd Tray Size Sensor1	I	Set	Not Set	1					12	3rd Tray LED2 Cathode			
				2	Toner Bottle Motor - Left	O	ON	OFF						1	Jam Indication LED Cathode(Duplex Inverter)			
				3	*24V	P								2	Jam Indication LED Anode(Duplex Inverter)			
				4	Toner Bottle Chuck O/C Sensor - Left: GND	G								3	GND			
				5	Toner Bottle Chuck O/C Sensor - Left	I	Close	Open						4	Vertical Transport Sensor			
				6	Toner Bottle Chuck O/C Sensor - Left: 5V	P								5	GND			
				7	Toner Bottle Sensor - Left: GND	G								6	1st Tray Transport Sensor			
				8	Toner Bottle Sensor - Left: Output	I	Detect	Not Detect						7	GND			
				9	Toner Bottle Sensor - Left: 5V	P								8	+5V			
				10	Bottle Inner Cap Motors - Left: H Bridge (Regular)	O								9	GND			
				11	Bottle Inner Cap Motors - Left: H Bridge (Reverse)	O								10	2nd Tray Transport Sensor			
				12	Toner Bottle Motor - Right	O	ON	OFF						11	GND			
13	*24V	P					12	+5V										
14	Toner Bottle Chuck O/C Sensor - Right	I	Close	Open			13	GND										
15	Toner Bottle Chuck O/C Sensor - Right: 5V	P					14	3rd Tray Transport Sensor										
16	Toner Bottle Sensor - Right: GND	G					15	GND										
17	Toner Bottle Sensor - Right: Output	I	Detect	Not Detect			16	1st Tray Transport Sensor										
18	Toner Bottle Sensor - Right: 5V	P					17	+5V										
19	Toner Bottle Sensor - Right: Output	I	Detect	Not Detect			18	GND										
20	Bottle Inner Cap Motors - Right: H Bridge (Regular)	O					19	2nd Tray Transport Sensor										
21	Bottle Inner Cap Motors - Right: H Bridge (Reverse)	O					20	GND										
22	NC						21	3rd Tray Transport Sensor										
139	D2705337	RYB: Relay D2705335 CN725	CN725	2	1st Tray Reverse Solenoid(Reservation)	O			12		D2705338	CN711	NC	1	1st Tray Reverse Solenoid			
				3	*24V	P			11					2	1st Tray Pickup Solenoids			
				4	1st Tray Pickup Solenoids	O			10					3	1st Tray Paper Upper Limit Sensors			
				5	GND	G			9					4	1st Tray Paper End Sensor			
				6	1st Tray Paper Upper Limit Sensors	I			8					5	+5V			
				7	+5V	P			7					6	GND			
				8	GND	G			6					7	1st Tray Feed Sensors			
				9	1st Tray Paper End Sensor	I			5					8	+5V			
				10	+5V	P			4					9	GND			
				11	GND	G			3					10	1st Tray Feed Sensors			
				12	1st Tray Feed Sensors	I			2					11	+5V			
				13	+5V	P			1					12	GND			
				14	2nd Tray Reverse Solenoid(Reservation)	O			12					13	2nd Tray Feed Sensors			
				15	2nd Tray Reverse Solenoid(Reservation)	O			11					14	+5V			
				16	*24V	P			10					15	GND			
				17	2nd Tray Pickup Solenoids	O			9					16	2nd Tray Feed Sensors			
				18	GND	G			8					17	+5V			
				19	2nd Tray Paper Upper Limit Sensors	I			7					18	GND			
				20	+5V	P			6					19	2nd Tray Feed Sensors			
				21	GND	G			5					20	+5V			
				22	2nd Tray Paper End Sensor	I			4					21	GND			
				23	+5V	P			3					22	2nd Tray Feed Sensors			
24	GND	G			2		23	+5V										
25	2nd Tray Feed Sensors	I			1		24	GND										
26	+5V	P					25	2nd Tray Feed Sensors										
140	D2705339	RYB	CN308	B1	Paper Transport Motor - Tray 1 Output-B	O			1		D2705338	CN713	NC	1	3rd Tray Pickup Solenoids			
				B2	*24VS	P			12					2	3rd Tray Paper Upper Limit Sensors			
				B3	Paper Transport Motor - Tray 1 Output B	O			11					3	3rd Tray Paper End Sensor			
				B4	Paper Transport Motor - Tray 1 Output-A	O			10					4	3rd Tray Feed Sensors			
				B5	*24VS	P			9					5	3rd Tray Feed Sensors			
				B6	Paper Transport Motor - Tray 1 Output A	O			8					6	3rd Tray Feed Sensors			
				B7	Paper Feed Motor - Tray 1 Output-B Phase	O			7					7	3rd Tray Feed Sensors			
				B8	*24VS	P			6					8	3rd Tray Feed Sensors			
				B9	Paper Feed Motor - Tray 1 Output B Phase	O			5					9	3rd Tray Feed Sensors			
				B10	Paper Feed Motor - Tray 1 Output-A Phase	O			4					10	3rd Tray Feed Sensors			
				B11	*24VS	P			3					11	3rd Tray Feed Sensors			
				B12	Paper Feed Motor - Tray 1 Output A Phase	O			2					12	3rd Tray Feed Sensors			
				A1	Paper Feed Motor - Tray 2 Output-B Phase	O			1					13	3rd Tray Feed Sensors			
				A2	*24VS	P								14	3rd Tray Feed Sensors			
				A3	Paper Feed Motor - Tray 2 Output B Phase	O								15	3rd Tray Feed Sensors			
				A4	Paper Feed Motor - Tray 2 Output-A Phase	O								16	3rd Tray Feed Sensors			
				A5	*24VS	P								17	3rd Tray Feed Sensors			
				A6	Paper Feed Motor - Tray 2 Output A Phase	O								18	3rd Tray Feed Sensors			
				A7	Paper Transport Motor - Tray 2 Output-B	O								19	3rd Tray Feed Sensors			
				A8	*24VS	P								20	3rd Tray Feed Sensors			
				A9	Paper Transport Motor - Tray 2 Output B	O								21	3rd Tray Feed Sensors			
				A10	Paper Transport Motor - Tray 2 Output-A	O								22	3rd Tray Feed Sensors			
A11	*24VS	P					23	3rd Tray Feed Sensors										
A12	Paper Transport Motor - Tray 2 Output A	O					24	3rd Tray Feed Sensors										
141	D1795340	Sensor: Relay CN601,CN602,CN603,CN604	CN51	B1	Paper Transport Motor - Tray 3 Output-B Phase	O			1		D2705338	CN712	NC	1	2nd Tray Reverse Solenoid			
				B2	*24VS	P			11					2	2nd Tray Pickup Solenoids			
				B3	Paper Feed Motor - Tray 3 Output B Phase	O			10					3	2nd Tray Paper Upper Limit Sensors			
				B4	Paper Feed Motor - Tray 3 Output-A Phase	O			9					4	2nd Tray Paper End Sensor			
				B5	*24VS	P			8					5	2nd Tray Feed Sensors			
				B6	Paper Feed Motor - Tray 3 Output-A Phase	O			7					6	2nd Tray Feed Sensors			
				B7	*24VS	P			6					7	2nd Tray Feed Sensors			
				B8	Paper Transport Motor - Tray 3 Output B	O			5					8	2nd Tray Feed Sensors			
				B9	*24VS	P			4					9	2nd Tray Feed Sensors			
				B10	Paper Transport Motor - Tray 3 Output A	O			3					10	2nd Tray Feed Sensors			
				B11	*24VS	P			2					11	2nd Tray Feed Sensors			
				B12	Paper Transport Motor - Tray 3 Output A	O			1					12	2nd Tray Feed Sensors			
				B13	NC									13	2nd Tray Feed Sensors			
				A2	Bank Exit Motor Output-B Phase	O								14	2nd Tray Feed Sensors			
				A3	*24VS	P								15	2nd Tray Feed Sensors			
				A4	Bank Exit Motor Output B Phase	O								16	2nd Tray Feed Sensors			
				A5	Bank Exit Motor Output-A Phase	O								17	2nd Tray Feed Sensors			
				A6	*24VS	P								18	2nd Tray Feed Sensors			
				A7	Bank Exit Motor Output A Phase	O								19	2nd Tray Feed Sensors			
				A8	Vertical Transport Motor Output-B Phase	O								20	2nd Tray Feed Sensors			
				A9	*24VS	P								21	2nd Tray Feed Sensors			
				A10	Vertical Transport Motor Output B Phase	O								22	2nd Tray Feed Sensors			
A11	Vertical Transport Motor Output-A	O					23	2nd Tray Feed Sensors										
A12	*24VS	P					24	2nd Tray Feed Sensors										
A13	Vertical Transport Motor Output A Phase	O					25	2nd Tray Feed Sensors										
143	D2705342	RYB: Relay	CN630	1	1st Tray LED1 Anode				2		D2705342	CN622	NC	1	1st Tray LED1			
				2	Sensor			1		2				1st Tray LED1				

D270/D271/D272/M0AA/M0AB Pin Assign List

Harness No	Harness P/N	Connector (FROM)				Signal Information				Relay Harness/ N				Connector (TO)				
		To Connector	No	Pin No	Signal Name	Dirct	L	H	Pin No	No	To Connector	No	Pin No	Signal Name	Dirct	L	H	
144	D2705343	EDRB: Relay D2705266 CN1212	CN1212	2	1st Tray LED1 Cathode				1		D2705343	CN714	NC	1	GND			
				3	1st Tray LED2 Anode				2					2	Vertical Transport Sensor			
				4	1st Tray LED2 Cathode				1					3	GND			
				5	2nd Tray LED1 Anode				2					4	GND			
				6	2nd Tray LED1 Cathode				1					5	1st Tray Transport Sensor			
				7	2nd Tray LED2 Anode				2					6	+5V			
				8	2nd Tray LED2 Cathode				1					7	GND			
				9	3rd Tray LED1 Anode				2					8	2nd Tray Transport Sensor			
				10	3rd Tray LED1 Cathode				1					9	+5V			
				11	3rd Tray LED2 Anode				2					10	GND			
				12	3rd Tray LED2 Cathode				1					11	3rd Tray Transport Sensor			
				1	Jam Indication LED Cathode(Duplex Inverter)				1					12	+5V			
				2	Jam Indication LED Anode(Duplex Inverter)				2					1	GND			
				3	GND				3					2	2nd Tray Set Sensor			
				4	Vertical Transport Sensor				4					3	GND			
				5	GND				5					4	2nd Tray Size Sensor5			
				6	1st Tray Transport Sensor				6					5	2nd Tray Size Sensor4			
				7	GND				7					6	2nd Tray Size Sensor3			
				8	+5V				8					7	2nd Tray Size Sensor2			
				9	GND				9					8	2nd Tray Size Sensor1</			

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Harness No	Harness P/N	Connector (FROM)		Signal Information				Relay Harness/ N	Pin No	No	Connector (TO)		
		To Connector	No	Signal Name	Dirct	L	H				To Connector	No	
				2	NC				10				
				3	NC				9				
				4	Gain Change	O	Number of revolutions.c.x		Number of revolutions.a.b	8			
				5	CLOCK	O				7			
				6	LOCK	I	ON (Rated)		OFF	6			
				7	START/STOP	O	ON		OFF	5			
				8	GN(D)24V	O				4			
				9	GN(D)24V	O				3			
				10	+24VS	P				2			
				11	+24VS	P				1			
155	D1795354	TDRB	CN254	1	COM	P			6	CN959	ITB Roller Separation Motor		
				2	A Phase	O			5				
				3	A Phase	O			4				
				4	COM	P			3				
				5	B Phase	O			2				
6	B Phase	O			1								
7	NC												
156	D1795355	TDRB: Relay D1795356 CN945	CN945	1	ID Sensor: +3.3V				5	CN965	ID Sensor		
				2	ID Sensor: GNDP				4				
				3	ID Sensor: LEDON				3				
				4	ID Sensor: FB Signal(Diffused Reflection)				2				
				5	ID Sensor: FB Signal(Reflection)				1				
157	D2705356	TDRB	CN256	1	ID Sensor:AN: 24V	P			D1795359	3	CN948	ID Sensor FAN	
				2	ID Sensor:FAN: Lock	I	ON		OFF	2			
				3	ID Sensor:FAN: GND	O				1			
				4	ID Sensor: +3.3V	P				D1795355	5	CN945	ID Sensor
				5	ID Sensor: GNDP	S				4			
				6	ID Sensor: LEDON	O				3			
				7	ID Sensor: FB Signal(Diffused Reflection)	I				2			
				8	ID Sensor: FB Signal(Reflection)	I				1			
				9	Belt Centering Sensor: GND	G				5	CN967	Belt Centering Sensor	
				10	Belt Centering Sensor: B	I				4			
				11	Belt Centering Sensor: A	I				3			
				12	Belt Centering Sensor: +5V	P				2			
				13	Belt Centering Sensor: LED	O				1			
158	D2705357	TDRB	CN257	1	PTR Separation Sensor: GND	G			D1795358	3	CN949	PTR Separation Sensor	
				2	PTR Separation Sensor	I	PTR contact		PTR alienation	2			
				3	PTR Separation Sensor: +5V	P				1			
				4	Belt Centering Roller HP Sensor: GND	G				D2705360	5	CN946	Belt Centering Roller HP Sensor
				5	Belt Centering Roller HP Sensor	I	Not HP		HP	4			
				6	Belt Centering Roller HP Sensor: 5V	P				3			
				7	Belt Cleaning Reset Sensor: GND	G				2			
8	Belt Cleaning Reset Sensor: Output	I	Set		Not Set	1							
159	D1795358	TDRB: Relay D2705357 CN947	CN947	1	PTR Separation Sensor: GND	G			CN964	3	PTR Separation Sensor		
				2	PTR Separation Sensor	I			2				
				3	PTR Separation Sensor: +5V	P			1				
160	D1795359	TDRB: Relay D2705356 CN948	CN948	1	ID Sensor:FAN: 24V	P			CN958	3	ID Sensor FAN		
				2	ID Sensor:FAN: Lock	I			2				
				3	ID Sensor:FAN: GND	O			1				
161	D2705360	TDRB: Relay D2705357 CN946	CN946	1	Belt Centering Roller HP Sensor: GND	G			CN963	3	Belt Centering Roller HP Sensor		
				2	Belt Centering Roller HP Sensor	I			2				
				3	Belt Centering Roller HP Sensor: 5V	P			1				
				4	Belt Cleaning Reset Sensor: GND	G				CN962	2	Belt Cleaning Reset Sensor	
				5	Belt Cleaning Reset Sensor: Output	I				1			
162	D1795361	DRB	CN277	1	Separation Power Pack: 24V	P			CN152	5	Separation Power Pack		
				2	Separation Power Pack: GND	G			4				
				3	Separation Power Pack: AC: PWM	O			3				
				4	Separation Power Pack: DC: PWM	O			2				
				5	Separation Power Pack: SC	I	Normal		Trouble	1			
163	D1795362	DRB	CN276	1	Registration Shift HP Sensor: GND	G			CN849	3	Registration Shift HP Sensor		
				2	Registration Shift HP Sensor: Vout	I	Detect		Not Detect	2			
				3	Registration Shift HP Sensor: +5V	P				1			
				4	Rotary gate HP Sensor: GND	G				D1795321	6	CN829	Rotary gate HP Sensor
				5	Rotary gate HP Sensor: Vout	I	Detect		Not Detect	5			
				6	Rotary gate HP Sensor: +5V	P				4			
				7	Transfer Timing Sensor: GND	G				3			
				8	Transfer Timing Sensor: Vout	I	Detect		Not Detect	2			
				9	Transfer Timing Sensor: +5V	P				1			
				10	PTB Sensor: GND	G				D1795321	3	CN852	PTB Sensor
				11	PTB Sensor: Vout	I	Detect		Not Detect	2			
				12	PTB Sensor: +5V	P				1			
164	D1795338	DRB: Relay D1795306 CN823	CN823	1	LC1 Relay Sensor: GND	G			D1795334	3	CN867	LC1 Relay Sensor	
				2	LC1 Relay Sensor: Vout	I			2				
				3	LC1 Relay Sensor: +5V	P			1				
166	D2705365	EDRB: Relay D2705265 CN763	CN761	1	Set Sensor				CN761	2	Set Sensor		
				2	Exit sensor: GND	G				D1795371	6	CN906	Exit sensor
				3	Exit sensor	I				5			
				4	Exit sensor: 5V	P				4			
				5	Exit Junction Gate Sensor: GND	G				3			
				6	Exit Junction Gate Sensor	I				2			
				7	Exit Junction Gate Sensor: 5V	P				1			
				8	Purge Relay Sensor: GND	G				D1795372	3	CN807	Purge Relay Sensor
				9	Purge Relay Sensor	I				2			
				10	Purge Relay Sensor: +5V	P				1			
				11	Invert Junction Gate Solenoid: ON	O				2	CN923	Invert Junction Gate	
				12	Invert Junction Gate Solenoid: 24VS	P				1			
				13	Exit Junction Gate Motor: A Phase	O				6	CN924	Exit Junction Gate Motor	
				14	Exit Junction Gate Motor: 24VS	P				5			
				15	Exit Junction Gate Motor: A Phase	O				4			
				16	Exit Junction Gate Motor: B Phase	O				3			
				17	Exit Junction Gate Motor: B Phase	O				2			
				18	Exit Junction Gate Motor: 24VS	P				1			
				19	Exit Junction Gate Motor: -B Phase	O				10	CN920	Exit Motor	
				20	N.C.					9			
21	N.C.					8							
22	Exit Motor: FG	O				7							
23	Exit Motor: CW/CCW	O				6							
24	Exit Motor: BRAKE	O				5							
25	Exit Motor: GND	O				4							
26	Exit Motor: GND	O				3							
27	Exit Motor: +24VS	P				2							
28	Exit Motor: +24VS	P				1							
29	Duplex Lower Cooling Fan - Front: 24VS	P				D1795276	6	CN944	Duplex Lower Cooling Fan - Front				
30	Duplex Lower Cooling Fan - Front: LOCK	O				5							
31	Duplex Lower Cooling Fan - Front: GND	O				4							
32	Duplex Lower Cooling Fan - Rear: 24VS	P				3							
33	Duplex Lower Cooling Fan - Rear: LOCK	O				2							
34	Duplex Lower Cooling Fan - Rear: GND	O				1							
35	Duplex Transport Sensor2: GND	G				3	CN902	Duplex Transport Sensor2					
36	Duplex Transport Sensor2	I				2							
37	Duplex Transport Sensor2: 5V	P				1							
38	Duplex Transport Sensor3: GND	G				3	CN903	Duplex Transport Sensor3					
39	Duplex Transport Sensor3	I				2							
40	Duplex Transport Sensor3: 5V	P				1							
167	D2705366	EDRB: Relay D2705266 CN765	CN765	1	HP Belt LED: +5V	P			CN1210	1	HP Belt LED		
				2	HP Belt LED: Drive	O			2				
				3	Inverter Entrance Motor: A Phase	O				6	CN925	Inverter Entrance Motor	
				4	Inverter Entrance Motor: 24VS	P				5			
				5	Inverter Entrance Motor: -A Phase	O				4			
				6	Inverter Entrance Motor: B Phase	O				3			
				7	Inverter Entrance Motor: 24VS	P				2			
				8	Inverter Entrance Motor: -B Phase	O				1			
				9	Duplex Transport Motor1: A Phase	O				6	CN928	Duplex Transport Motor1	
				10	Duplex Transport Motor1: 24VS	P				5			
				11	Duplex Transport Motor1: -A Phase	O				4			
				12	Duplex Transport Motor1: B Phase	O				3			
				13	Duplex Transport Motor1: 24VS	P				2			
				14	Duplex Transport Motor1: -B Phase	O				1			
				15	Left Drawer Lever LED: Drive	O				2	CN1211	Left Drawer Lever LED	
				16	Left Drawer Lever LED: +5V	P				1			
				17	N.C.								
				18	N.C.								
				19	Invert Exit Motor: A Phase	O				6	CN927	Invert Exit Motor	
				20	Invert Exit Motor: 24VS	P				5			
				21	Invert Exit Motor: -A Phase	O				4			
				22	Invert Exit Motor: B Phase	O				3			
				23	Invert Exit Motor: 24VS	P				2			
				24	Invert Exit Motor: -B Phase	O				1			
				25	Invert Exit Motor: A Phase	O				6	CN926	Exit/Invert Motor	
				26	Exit/Invert Motor: 24VS	P				5			
				27	Exit/Invert Motor: -A Phase	O				4			
				28	Exit/Invert Motor: B Phase	O				3			
				29	Exit/Invert Motor: 24VS	P				2			

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Harness No	Harness P/N	Connector (FROM)		Signal Information				Relay Harness/ N	Pin No	No	Connector (TO)			
		To Connector	No	Signal Name	Dirct	L	H				To Connector	No		
188	D2705367	EDRB: Relay D2705265 CN769	CN769	30	Exit/Invert Motor: -B Phase	O								
				31	Exit LED: Drive	O								
				32	Exit LED: +5V	P							CN1209	Exit LED
				1	Duplex Invert Sensor: GND	G					D1795368	3	CN905	Duplex Invert Sensor
				2	Duplex Invert Sensor	I								
				3	Duplex Invert Sensor: 5V	P								
				4	N.C.									
				5	N.C.									
				6	Heat Pipe Motor: FG	O								
				7	Heat Pipe Motor: CW/CCW	O								
				8	Heat Pipe Motor: PWM	O								
				9	Heat Pipe Motor: BRAKE	O								
10	Heat Pipe Motor: GND	O												
11	Heat Pipe Motor: GND	O												
12	Heat Pipe Motor: +24VS	P												
13	Heat Pipe Motor: +24VS	P												
14	Exit JG HP Sensor: GND	G						D1795374	4	CN917	Exit JG HP Sensor			
15	Exit JG HP Sensor	I												
16	Exit JG HP Sensor: 5V													

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Harness No	Harness P/N	Connector (FROM)		Signal Information				Relay Harness/ N	Pin No	No	Connector (TO)	
		To Connector	No	Signal Name	Dirct	L	H				To Connector	No
186	D2705385	IOB: Relay D1795281 CN749	CN749	10	Pressure Roller Cam HP Sensor B				2			
				11	+5V							
				12	GND							
				13	Fusing Unit Paper Sensor					3	CN734	Fusing Unit Paper Sensor
				14	+5V					1		
				15	GND					2		
				16	Fusing Exit Sensor (Center)					3	CN735	Fusing Exit Sensor (Center)
				17	+5V					1		
				18	Set Sensor					19	CN748	IOB
				1	Pressure Roller NC Sensor: Compensation					1	NC_SNS	Pressure Roller NC Sensor
				2	Pressure Roller NC Sensor: Sensor					2		
				3	Pressure Roller NC Sensor: GND					3		
				4	Thermistor Pressure					2	TH2	Thermistor Pressure
				5	Thermistor Pressure: GND					1		
				6	NC							
				7	NC							
				8	NC							
				9	NC							
10	NC											
11	NC											
12	NC											
13	NC											
14	NC											
15	NC											
16	NC											
17	NC											
187	D2705386	IOB: Relay D2705384 CN725	CN725	1	Fusing Cleaning Web Motor(DC): Black				2	CN722	Fusing Cleaning Web Motor	
				2	Fusing Cleaning Web Motor(DC): Red				1			
				3	GND				3	CN738	Fusing Cleaning Web End Sensor	
				4	Fusing Cleaning Web End Sensor				2			
				5	+5V				1			
189	D1795388	Pressure Roller Fusing Lamp Terminal	T161	1	Pressure Roller Fusing Lamp L				1	T162	Thermostats	
				1	GND				3	CN730	Fusing Winding Sensor	
190	D2705389	IOB: Relay D2705280 CN747	CN747	2	Fusing Winding Sensor				2			
				3	+5V							
				4	N.C.							
				5	N.C.							
				6	N.C.							
				7	N.C.							
				8	N.C.							
				9	N.C.							
				10	N.C.							
				11	Set Sensor (NA)					17	CN747	IOB
				12	N.C.							
				13	N.C.							
				14	N.C.							
				15	N.C.							
				16	N.C.							
				191	D2705390	IOB: Relay D2705280 CN747	CN747	1	GND			
2	Fusing Winding Sensor								2			
3	+5V								1			
4	N.C.											
5	N.C.											
6	N.C.											
7	N.C.											
8	N.C.											
9	N.C.											
10	N.C.											
11	N.C.											
12	Set Sensor (EU)									17	CN747	IOB
13	N.C.											
14	N.C.											
15	N.C.											
16	N.C.											
192	D1795391	IOB: Relay D2705382 CN730	CN730	1	GND				3	CN738	Fusing Winding Sensor	
				2	Fusing Winding Sensor				2			
				3	+5V				1			
195	D2705394	Power Pack11/12	T156	1	T1 Output				1	T133	T1	
				1	T2 Output				1	T158	T1	
196	D1795395	Power Pack11/12	T157	1	GND				6	CN62	Set Sensor	
				2	GND				7			
				3	BDC/PSN_SNS	I	HP		6			
				4	+5V F	P			5			
				5	GND	G			4			
				6	BDC/OLS_N_SNS	I	Normal	Over-limit	3			
				7	+5V F	P			2			
				8	BDC_SS_SET_N	I	Set	Not Set	1			
199	D7415398	DDR: Relay D3DR597 CN62	CN62	1	BDC_SS_SET_N				8	CN62	Set Sensor	
				2	GND				3	CN66	Decurter HP Sensor	
				3	BDC/PSN_SNS				2			
				4	+5V F				1			
				5	GND				3	CN65	Decurter Limit Sensor	
				6	BDC/OLS_N_SNS				2			
				7	+5V F				1			
				8	BDC/SS_SET_N				1			
200	D3DR5399	DDR: B	CN63	1	BDC/PVMT_XA				4	CN64	Decurter Transport Motor	
				2	+24V F				5			
				3	BDC/PVMT_A				6			
				4	BDC/PVMT_B				3			
				5	+24V F				2			
				6	BDC/PVMT_XB				1			
				7	BDC/GCMT_XA				4	CN63	Decurter Lift Motor	
				8	+24V F				6			
				9	BDC/GCMT_A				5			
				10	BDC/GCMT_B				2			
				11	+24V F				3			
				12	BDC/GCMT_XB				1			
303	D1795732	CTL	P1	1	GND				1	P2	HDD	
				2	A+				2			
				3	A-				3			
				4	GND				4			
				5	B+				5			
				6	B-				6			
				7	GND				7			
304	D1365718	CTL	CN1	1	GND				3	CN2	HDD	
				2	A+				3	CN3		
				3	A-				2	CN2		
				4	GND				2	CN3		
				5	B+				3			
				6	B-				2			
				7	GND				1			
305	D1445767	CTL	P1	1	GND				1	P2	HDD	
				2	A+				2			
				3	A-				3			
				4	GND				4			
				5	B+				5			
				6	B-				6			
				7	GND				7			
306	D1495387	CTL	CN1	1	GND				60	CN2	CTL	
				2	A+				49			
				3	A-				48			
				4	GND				47			
				5	B+				46			
				6	B-				45			
				7	GND				44			
				8	A+				43			
				9	A-				42			
				10	B+				41			
				11	B-				40			
				12	GND				39			
				13	A+				38			
				14	A-				37			
				15	B+				36			
				16	B-				35			
				17	GND				34			
				18	A+				33			
				19	A-				32			
				20	B+				31			
				21	B-				30			
				22	GND				29			
				23	A+				28			
				24	A-				27			
25	B+				26							
26	B-				25							
27	GND				24							
28	A+				23							
29	A-				22							

D270/D271/D272/M0AA/M0AB Pin Assign List

Harness No	Harness P/N	Connector (FROM)		Signal Information				Relay Harness/ N	Pin No	No	Connector (TO)	
		To Connector	No	Signal Name	Dirct	L	H				To Connector	No
351	D1797260	IPU	CN1	1	GND				1			
				2	GND				2			
				3	GND				3			
				4	SDMODE				4			
				5	LDET IN				5			
				6	ENG ENABLE				6			
				7	PONOPPE				7			
				8	ECO SW				8			
				9	POKUSB				9			
				10	OPE CTERR				10			
				11	OPE LED				11			
				12	+5VX				12			
				13	+5VX				13			
				14	+5VX				14			
				15	+5VX				15			
				16	XFOT SW				16			
				17	GND				17			
				18	GND				18			
				19	+24V				19			
				20	NC				20			
352	D1797263	Operation panel: Relay D1797266 CN9	CN7	1	24V				6			
				2	XPALITE_B				4			
				3	XPALITE_Y				3			
				4	XPALITE_R				2			
				5	XBEEP_ON				1			
353	D1797265	IPU	CN1	1	VBUS				1			
				2	DATA				2			
				3	+DATA				3			
				4	GND				4			
				5	GND				5			
				6	GND				6			
				7	GND				7			
				8	GND				8			
				9	GND				9			
				10	GND				10			
				11	GND				11			
				12	GND				12			
354	D1797266	IPU: Relay D1797260 CN4	CN5	1	GND				1			
				2	GND				2			
				3	GND				3			
				4	GND				4			
				5	GND				5			
				6	GND				6			
				7	GND				7			
				8	GND				8			
				9	GND							

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Harness No	Harness P/N	Connector (FROM)		Signal Information				Relay Harness/No	Connector (TO)							
		To Connector	No	Pin No	Signal Name	Direction	L		H	To Connector	No					
					5	L TB-	O			A13						
					6	L TB+	O			BB						
					7	L TC-	O			A14						
					8	L TC+	O			B4						
					9	L LVCK-	O			A15						
					10	L LVCK+	O			B3						
					11	L TD	O			A16						
					12	L TD+	O			B2						
					13	L TE-	O			A17						
					14	L TE+	O			B1						
					15	SHGATE_N	I	ON		OFF	AB					
					16	SHGATE_N	I	ON		OFF	B10					
					17	SYDI_SBU	O				A9					
					18	XSYCS_SBU	I				B9					
					19	SYDCO_SBU	I				A10					
					20	SYVCK_SBU	I				B8					
					451	D1795800	IPU: Relay	CN2	1	+5VS	P		D1795248	20	CN3	LDB
									2	+5VS	P			19		
									3	+5VS	P			18		
									4	GND	G			17		
				5	GND	G			16							
				6	GND	G			15							
				7	TRNCNTEND0				13							
				8	VTECNT				12							
				9	PTGATED_N				10							
				10	MLSYNCO_N				8							
				11	MFSYNCO_N				6							
				12	CLK_SY				4							
				13	SYCS_N				3							
				14	SYDO_N				2							
				15	SYDI_N				1							
		NC		-	-				14							
				-	-				13							
				-	-				11							
				-	-				7							
				-	-				5							
452	D2705801	LDB	CN5	1	DETP_N				3	CN1	Synchronization Detection Board (Leading Edge)					
				2	+3.3V_DP	P			2							
				3	GND	G			1							
				4	EDETP_N				3	CN2	Synchronization Detection Board (Trailing Edge)					
				5	+3.3V_DP	P			2							
				6	GND	G			1							
453	D1795802	Polygon PCB	CN410	1	24V	P		D1795248	1	CN2	IPU					
				2	GND	G			2							
				3	ON_N				3							
				4	SCREADY_N				4							
				5	CLOCK				5							
				6	GND	G			6							
				7	NC				-		NC					
				8	NC				-		NC					
551	D0612965	DC Motor	a1 a2	1	a1				2	CN1	Paper Hight Sensor					
				2	a2				1							
552	D2705228	RYB: Relay D2705344 CN634-CN635	CN728	1	Set Sensor: GND				2	CN718	Set Sensor					
				2	Set Sensor				1							
				3	Size Sensor: GND				6	CN717	Size Sensor					
				4	Size Sensor3				5							
				5	Size Sensor2				4							
				6	Size Sensor3				3							
				7	Size Sensor2				2							
				8	Size Sensor1				1							
553	D2705473	RYB: Relay D2705332 CN871	CN1	1	Left Tray Set Sensor				3	CN1	Left Tray Set Sensor					
				2	Rear Fence Drive Motor reverse				2	CN2	Rear Fence Drive Motor					
				3	Rear Fence Drive Motor proper				1							
				4	Rear Fence HP Sensor GND				3	CN3	Rear Fence HP Sensor					
				5	Rear Fence HP Sensor				2							
				6	Rear Fence HP Sensor VCC				1							
				7	Rear Fence Return Sensor GND				3	CN4	Rear Fence Return Sensor					
				8	Rear Fence Return Sensor				2							
				9	Rear Fence Return Sensor VCC				1							
				10	Left Tray Paper Set Sensor				3	CN5	Left Tray Paper Set Sensor					
				11	Left Tray Paper Set Sensor GND				2							
				12	Left Tray Paper Set Sensor VCC				1							
				13	Earth				1	T1	Earth					
				14	NC				-		NC					
				15	NC				-		NC					
554	D2705673	RYB: Relay D2705331 CN870	CN1	14	Right Tray Set Sensor				30	CN1	RYB					
				1	+5V(Front Side Fence Open Sensor)				1	CN2	Front Side Fence Open					
				2	Front Side Fence Open Sensor				2							
				3	+5V(Front Side Fence Close Sensor)				3							
				4	Front Side Fence Close Sensor				1	CN3	Front Side Fence Close Sensor					
				5	GND(Front Side Fence Close Sensor)				2							
				6	+5V(Rear Side Fence Open Sensor)				3							
				7	Rear Side Fence Open Sensor				1	CN4	Rear Side Fence Open					
				8	GND(Rear Side Fence Open Sensor)				2							
				9	+5V(Rear Side Fence Close Sensor)				3							
				10	Rear Side Fence Close Sensor				1	CN5	Rear Side Fence Close Sensor					
				11	GND(Rear Side Fence Close Sensor)				2							
				12	+24V(Front Side Fence Solenoid)				1	CN6	Front Side Fence Open Solenoid					
				13	Front Side Fence Open Solenoid				2							
				14	GND(Lower Limit Sensor)				1	CN7	Lower Limit Sensor					
				15	Lower Limit Sensor				2							
				16	+5V(Lower Limit Sensor)				3							
				17	+5V(Paper Height Sensor)				1	CN14a						
				18	Paper Height Sensor1				2	CN8						
				19	GND(Paper Height Sensor)				1	CN14a						
				20	Paper Height Sensor2				2	CN9						
				21	Paper Height Sensor3				2	CN10						
				22	Paper Height Sensor4				2	CN11						
				23	GND(Right Tray Paper Set)				1	CN12	Right Tray Paper Set Sensor					
				24	Right Tray Paper Set Sensor				2							
				25	+5V(Right Tray Paper Set)				3							
				26	+24V(Rear Side Fence Solenoid)				1	CN13	Rear Side Fence Open Solenoid					
				27	Rear Side Fence Open Solenoid				2							
				28	Earth				1	T1	Earth					
				29	NC				-		NC					
				30	NC				-		NC					
				31	CFND				1	BS1						
				32	NC				1	BS2						
				1	Paper Height Sensor1 VCC	P			1	CN8	Paper Height Sensor1					
				2	Paper Height Sensor2 VCC	P			1	CN9	Paper Height Sensor2					
				3	Paper Height Sensor3 VCC	P			1	CN10	Paper Height Sensor3					
				4	Paper Height Sensor4 VCC	P			1	CN11	Paper Height Sensor4					
				5	Paper Height Sensor1 GND	G			3	CN8	Paper Height Sensor1					
				6	Paper Height Sensor2 GND	G			3	CN9	Paper Height Sensor2					
				7	Paper Height Sensor3 GND	G			3	CN10	Paper Height Sensor3					
				8	Paper Height Sensor4 GND	G			3	CN11	Paper Height Sensor4					
601	M0771870	Status Light	CN1	1	24V	P		D1797263	6	CN2	OPU					
				2	XPA1LITE_B				5							
				3	XPA1LITE_Y				4							
				4	XPA1LITE_R				3							
				5	XBEEP_ON				2							
				6	GND	G			1							
				7	NC				-		NC					
602	D7315200	ADF	CN116	1	PWR_CN1L			D1795239	16	CN01	CNB					
				2	GND	G			15							
				3	5V_DFIN				14							
				4	DFGATE				13							
				5	RXD(Main Machine-->DF)				12							
				6	SETSN				11							
				7	TXD(DF-->Main Machine)				10							
				8	5VE	P			9							
				9	24V_IN	P			8		PSU-B					
				10	24V_IN	P			7							
				11	24V_IN	P			6							
				12	24V_IN	P			5							
				13	GND	G			4							
				14	GND	G			3							
				15	GND	G			2							
				16	GND	G			1							
				1	F.G(DF)	G			-	T1	F.G(DF)					
				2	F.G(Main Machine)	G			-	T2	F.G(Main Machine)					
603	D7315230	Interface cable	Shield	-	-				-							
				A1	GND	G			A1	CN2	IPU					
				B15	GND	G			B15							

D270/D271/D272/M0AA/M0AB Pin Assign List

Harness No	Harness P/N	Connector (FROM)		Signal Information				Relay Harness/No	Connector (TO)		
		To Connector	No	Pin No	Signal Name	Direction	L		H	To Connector	No
					A4	E_SDC-				A2	
					B12	E_SDC+				B14	
					A3	E_SDD-				A3	
					B13	E_SDD+				B13	
					A2	E_SDE-				A4	
					B14	E_SDE+				B12	
					A5	ESCLK-				A5	
					B11	ESCLK+				B11	
					A7	E_SDA-				A6	
					B9	E_SDA+				B10	
					A6	E_SDB-				A7	</