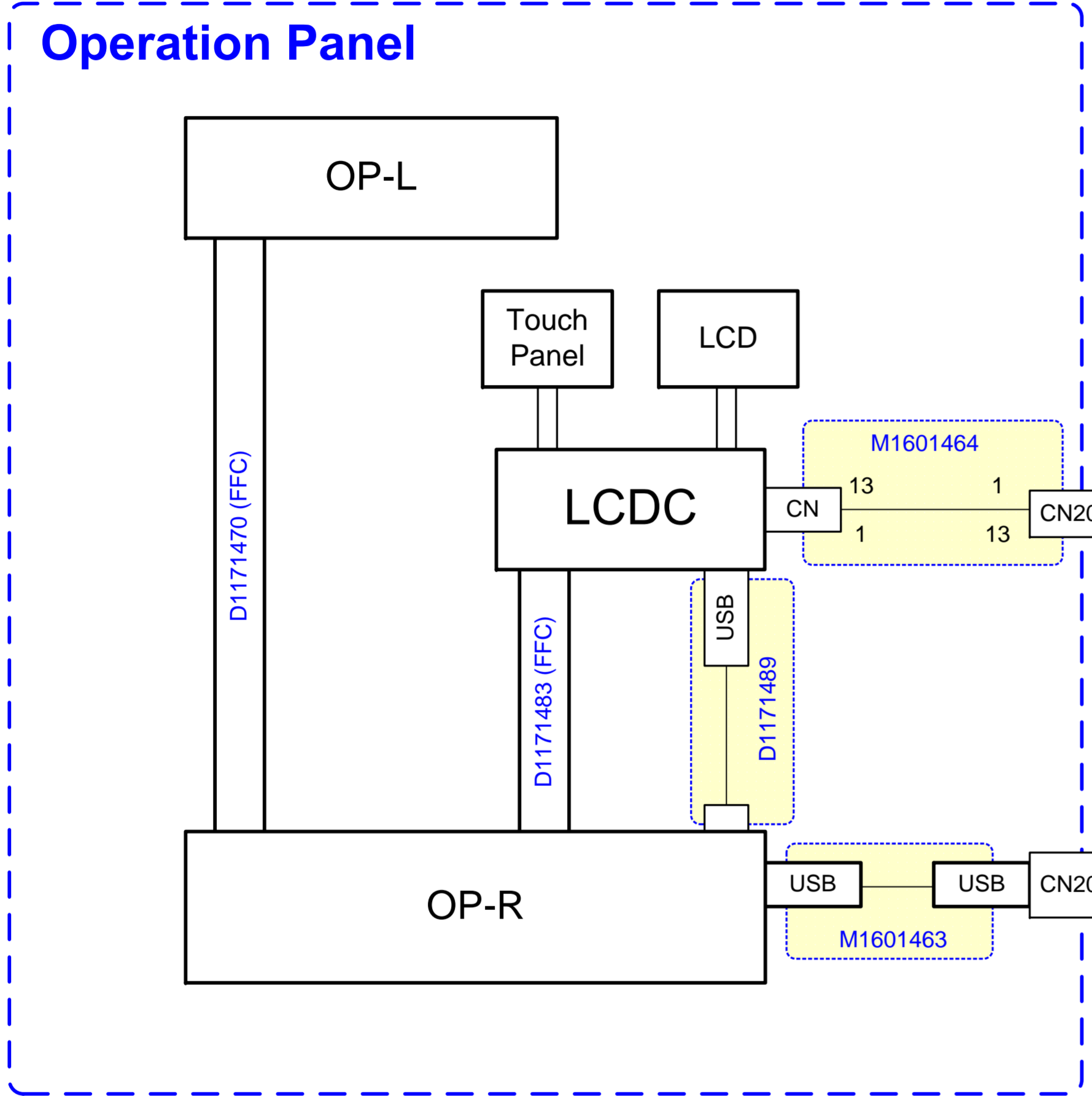




# M160/M161 POINT TO POINT DIAGRAM ( 2 / 3 )



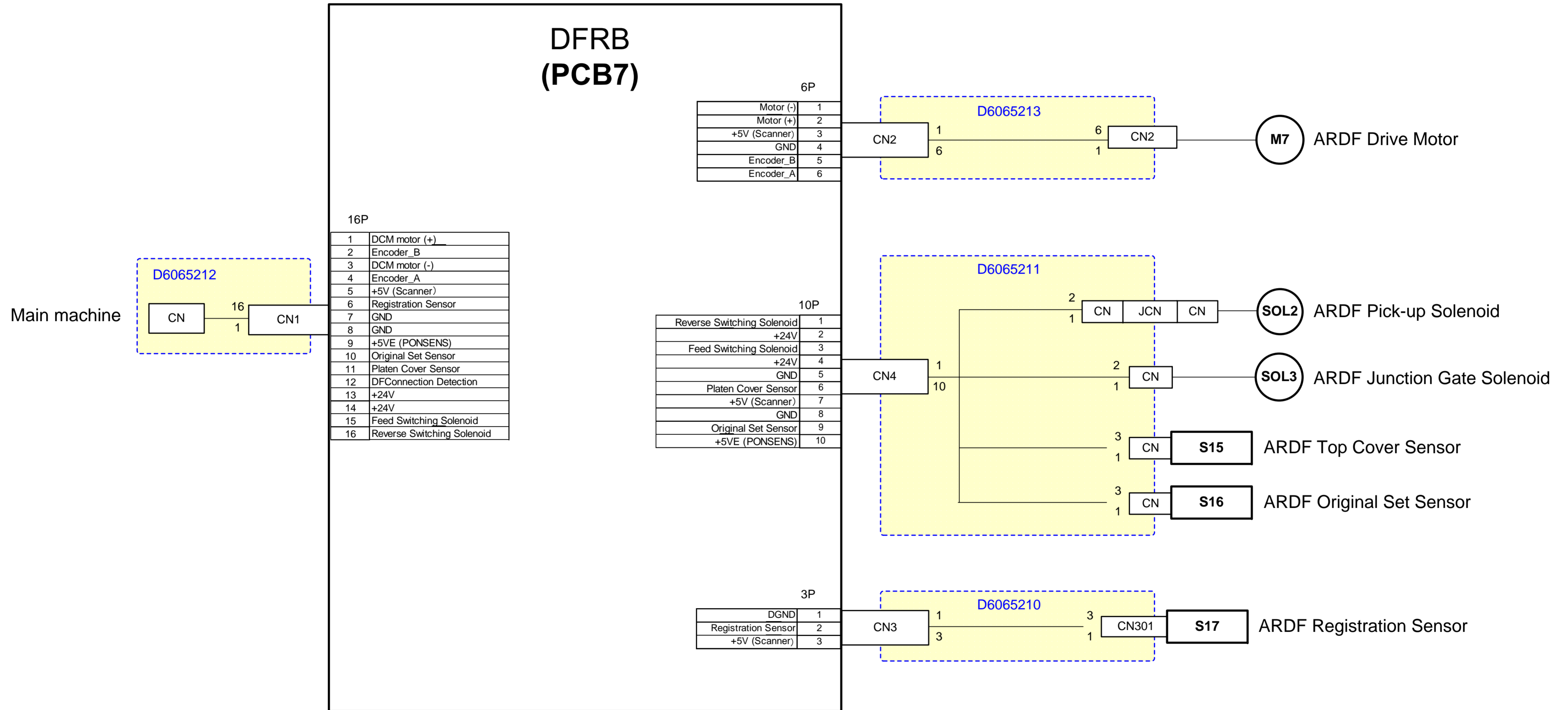
Destination	PIN No	Signal Name
BICU CN202	1	GND
	2	GND
	3	+5VE_LPS Power
	4	Write Detection Signal
	5	Energy Save Recovery Mode Signal
	6	Energy Save Recovery Signal
	7	Power Key Press Down Signal
	8	USB Power Control Signal
	9	Controller SC816
	10	+5V
	11	+5V
	12	+5V
	13	+24V

**BICU  
(PCB1)**

Signal Table	
	AC Line
	DC Line
	Plus Line
	Signal Direction
	Signal Direction
	Ready Low
	Ready High
	Voltage

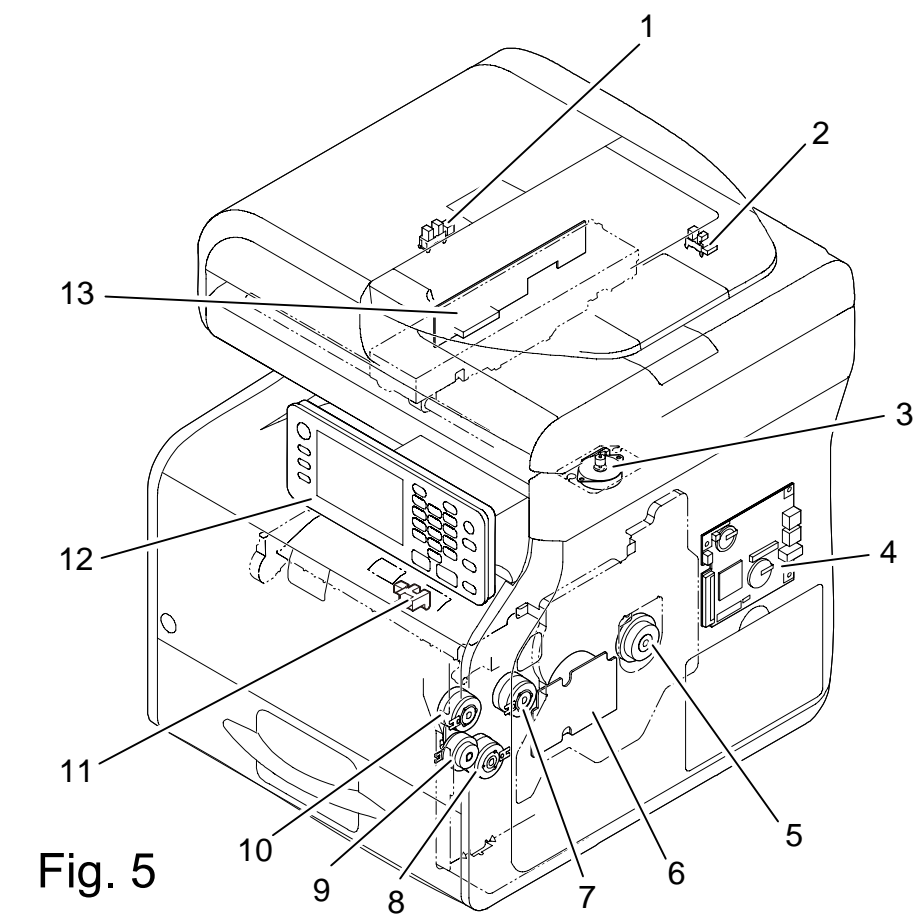
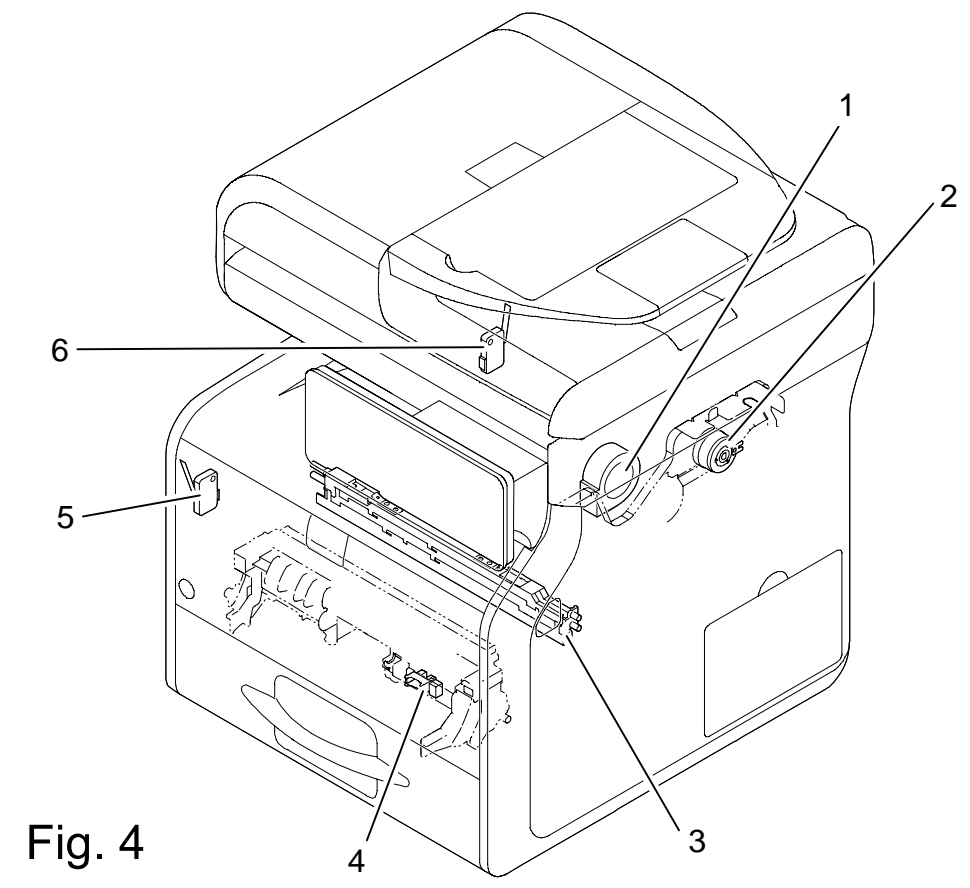
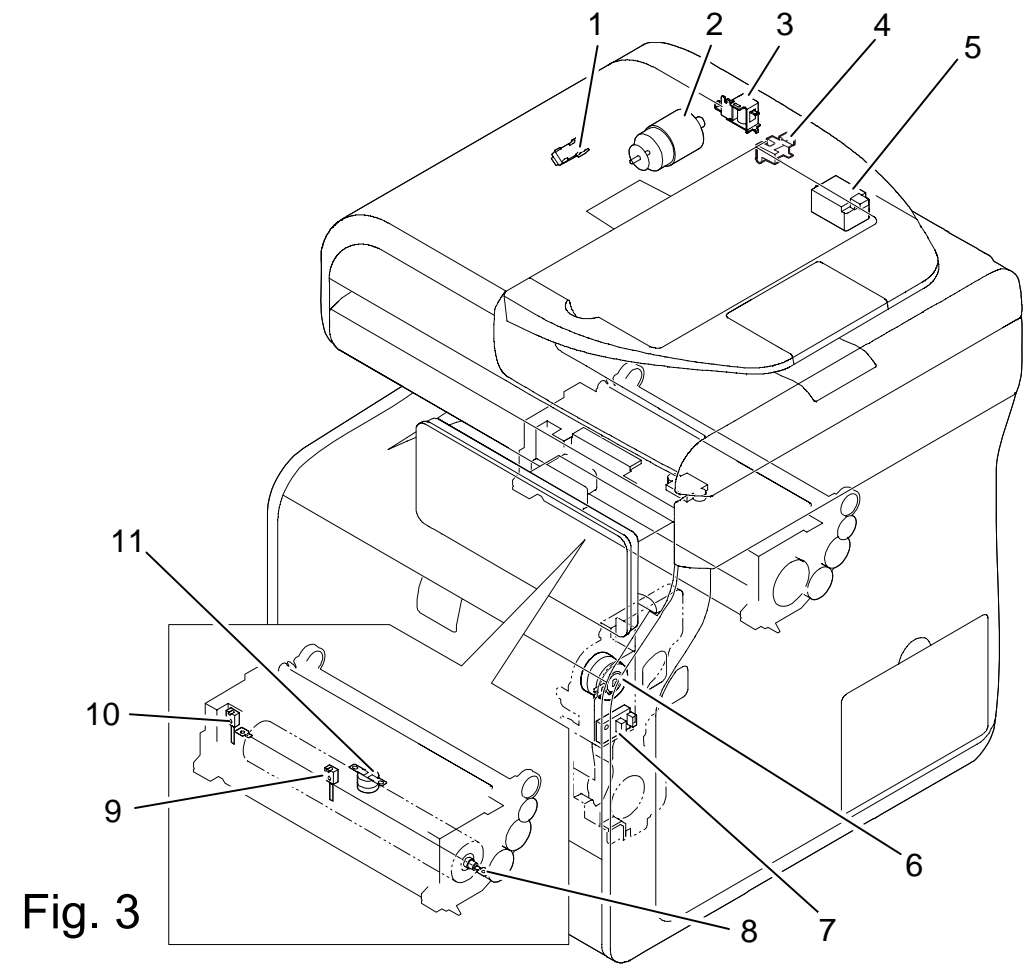
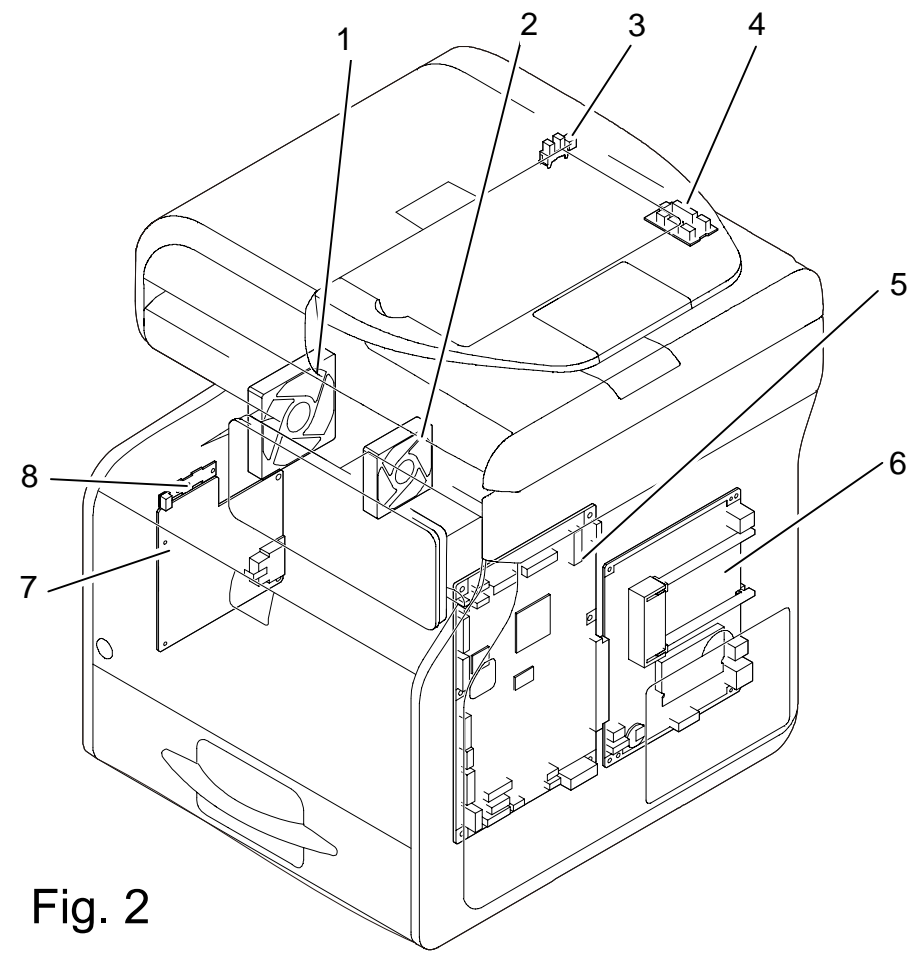
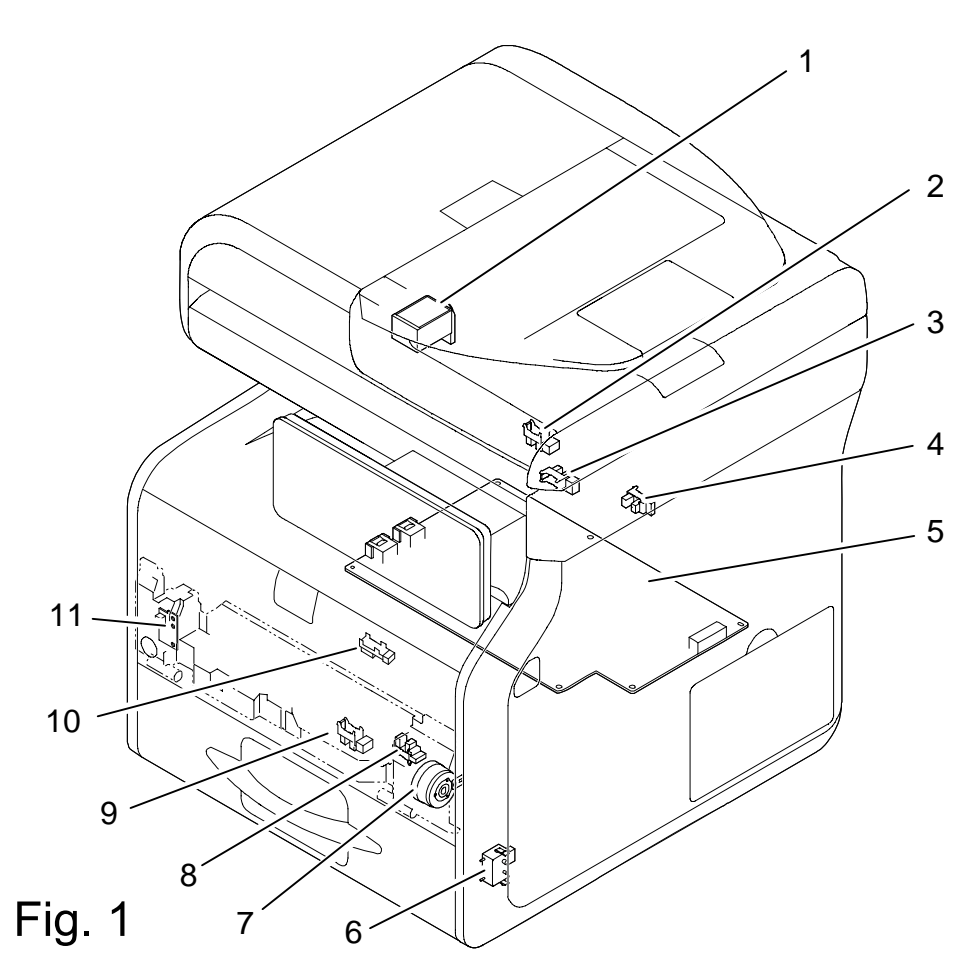
# M160/M161 POINT TO POINT DIAGRAM ( 3 / 3 )

## DFRB (PCB7)



Signal Table	
—	AC Line
—	DC Line
- - - - -	Plus Line
← →	Signal Direction
< >	Signal Direction
▲	Ready Low
▼	Ready High
[ ]	Voltage

# M160/M161 ELECTRICAL COMPONENT LAYOUT

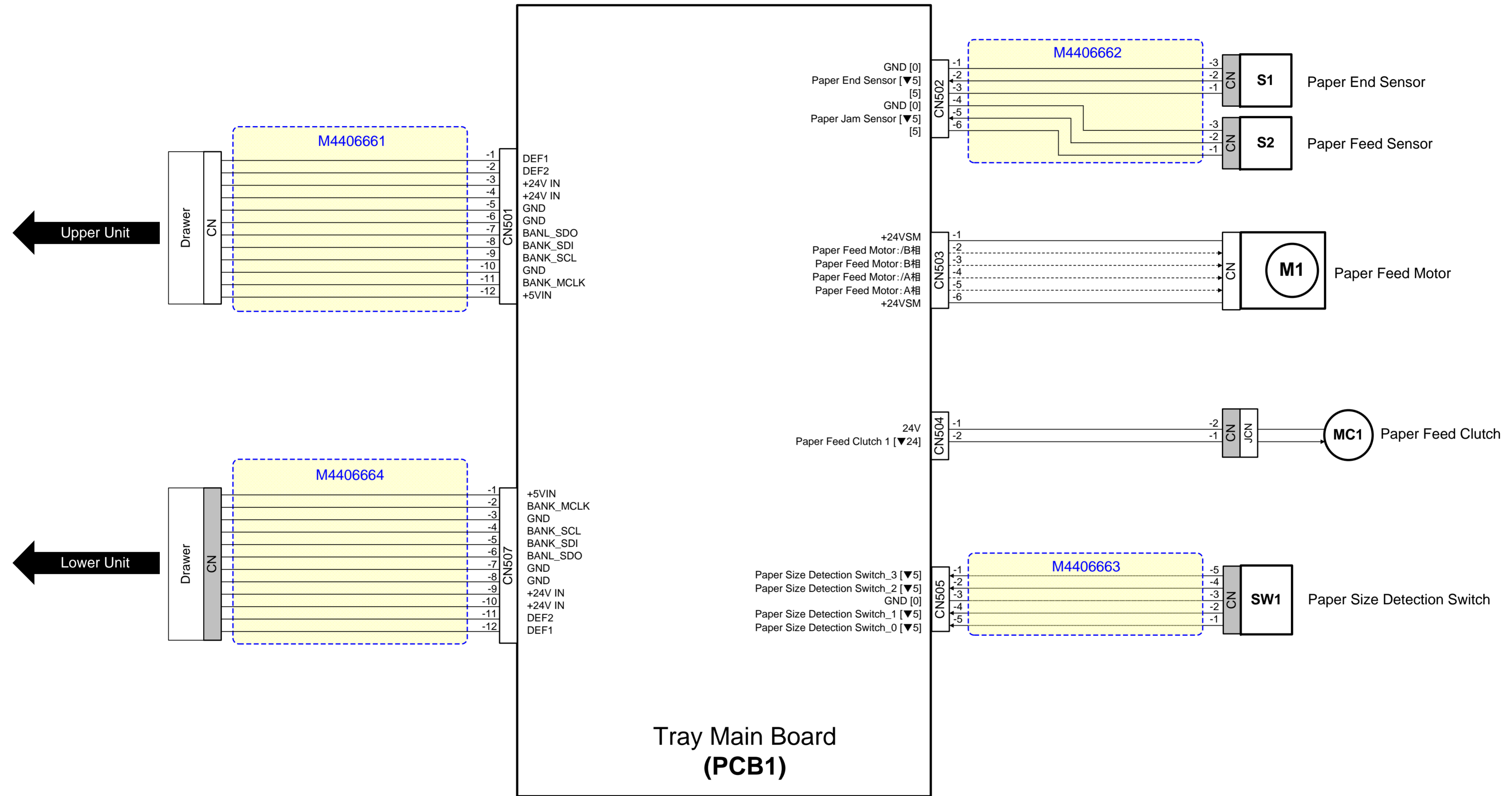


## M160/M161 ELECTRICAL COMPONENT LAYOUT

Symbol	Index No.	Description	P to P
<b>Motors</b>			
M1	Fig.4-1	PCDU Cooling Fan Motor	1-B1
M2	Fig.2-1	Fusing Fan Motor	1-B5
M3	Fig.5-3	Scanner Motor	1-B9
M4	Fig.4-2	Duplex Exit Motor	1-E8
M5	Fig.5-6	Main Motor	1-E5
M6	Fig.2-2	PSU Fan Motor	1-E3
M7	Fig.3-2	ARDF Drive Motor	3-C9
<b>Magnetic Clutches</b>			
MC1	Fig.5-9	Reray Clutch	1-B10
MC2	Fig.5-5	Duplex Clutch	1-E6
MC3	Fig.1-7	By-pass Bottom Plate Clutch	1-E6
MC4	Fig.5-10	By-pass Feed Clutch	1-E5
MC5	Fig.3-6	Toner Supply Clutch	1-E5
MC6	Fig.5-7	Registration Clutch	1-E5
MC7	Fig.5-8	Paper Feed Clutch	1-E5
<b>Sensors</b>			
S1	Fig.1-10	Registration Sensor	1-B1
S2	Fig.5-11	Duplex Entrance Sensor	1-B1
S3	Fig.1-2	Duplex Exit sensor	1-B2
S4	Fig.2-8	Toner End Sensor	1-B5
S5	Fig.1-3	Paper Exit Sensor	1-B5
S6	Fig.1-4	Paper Overflow Sensor	1-B6
S7	-	ID TAG	1-B6
S8	-	ID TAG (PCDU)	1-B6
S9	Fig.5-2	ARDF Open/Closed Sensor	1-B9
S10	Fig.5-1	CarriageUnit HP Sensor	1-B9
S11	Fig.3-7	Temp Humid Sensor	1-E7
S12	Fig.4-4	Paper End Sensor	1-E7
S13	Fig.1-9	By-pass Bottom Plate HP Sensor	1-E7
S14	Fig.1-8	By-pass Paper End Sensor	1-E6
S15	Fig.3-4	ARDF Top Cover Sensor	3-E8
S16	Fig.2-3	ARDF Original Set Sensor	3-E8
S17	Fig.3-1	ARDF Registration Sensor	3-F8
<b>Switches</b>			
SW1	Fig.1-6	Paper Size Detection Switch	1-E4
SW2	Fig.1-11	DC Switch	1-E4
SW3	Fig.4-5	Front Door Interlock Switch	1-E3
SW4	Fig.4-6	Rear Door Interlock Switch	1-E3

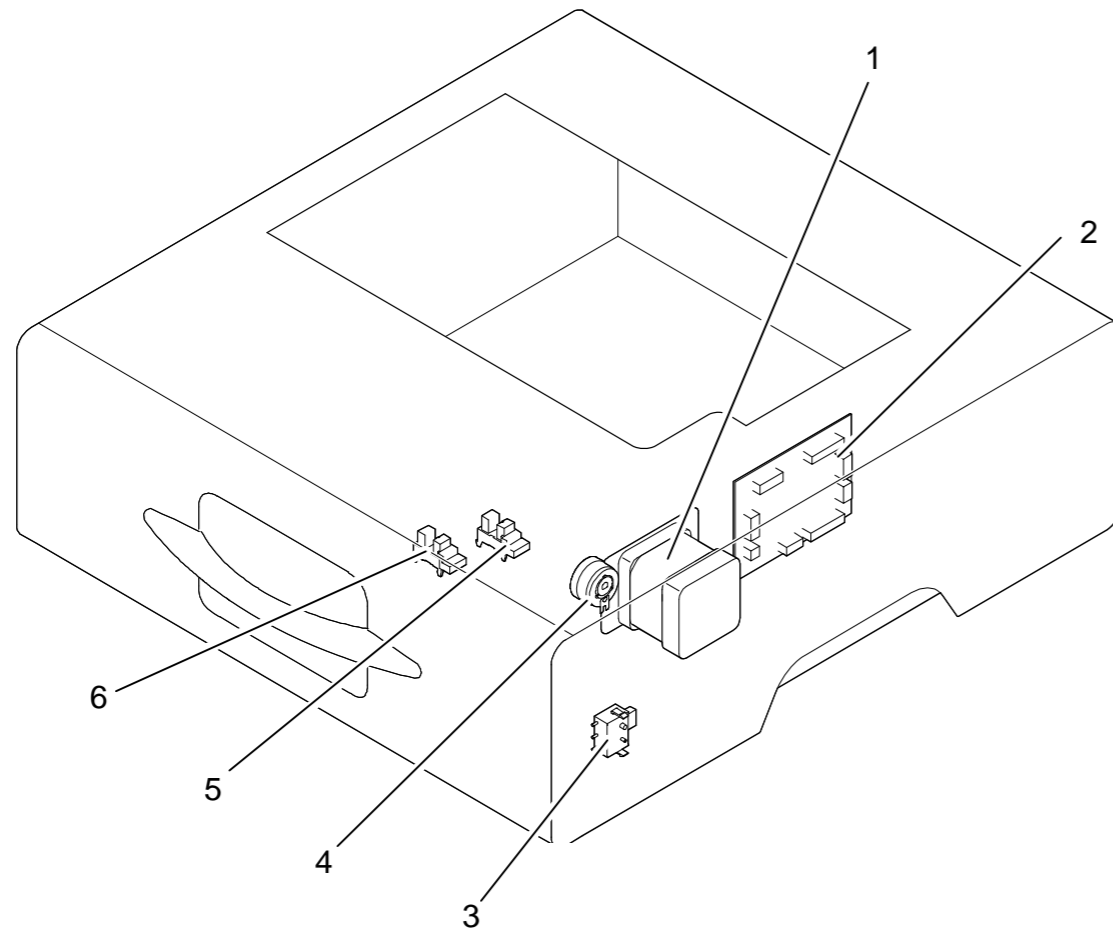
Symbol	Index No.	Description	P to P
<b>Solenoids</b>			
SOL1	Fig.1-1	Junction Gate Solenoid	1-E6
SOL2	Fig.3-5	ARDF Pick-up Solenoid	3-D9
SOL3	Fig.3-3	ARDF Junction Gate Solenoid	3-D9
<b>PCBs</b>			
PCB1	Fig.2-5	BICU	1-D1
PCB2	Fig.2-7	HVPS	1-B3
PCB3	Fig.5-13	SBU	1-E8
PCB4	Fig.1-5	PSU	1-E2
PCB5	Fig.2-6	CTL	1-E1
PCB6	Fig.5-4	FCU	1-F1
PCB7	Fig.2-4	DFRB	3-B3
<b>Thermistors</b>			
TH1	Fig.3-10	Fusing Thermister (Ends)	1-B4
TH2	Fig.3-9	Fusing Thermister (Center)	1-B4
<b>Thermostats</b>			
TS1	Fig.3-11	Thermostat	1-B4
<b>Lamps</b>			
L1	Fig.3-8	Fusing Lamp	1-B4
<b>Others</b>			
-	Fig.5-12	Operation Panel	1-B7
-	Fig.4-3	LED Aray	1-B8

# M440/M441 POINT TO POINT DIAGRAM



Signal Table	
	AC Line
	DC Line
	Plus Line
	Signal Direction
	Signal Direction
	Ready Low
	Ready High
	Voltage

# M440/M441 ELECTRICAL COMPONENT LAYOUT



Paper Tray Unit (M440/M441)

Symbol	Index No.	Description	P to P
<b>Motor</b>			
M1	1	Paper Feed Motor	C8
<b>Sensors</b>			
S1	5	Paper End Sensor	B8
S2	6	Paper Feed Sensor	B8
<b>Switch</b>			
SW1	3	Paper Size Detection Switch	E8
<b>Clutch</b>			
MC1	4	Paper Feed Clutch	D9
<b>PCB</b>			
PCB1	2	Tray Main Board	F5