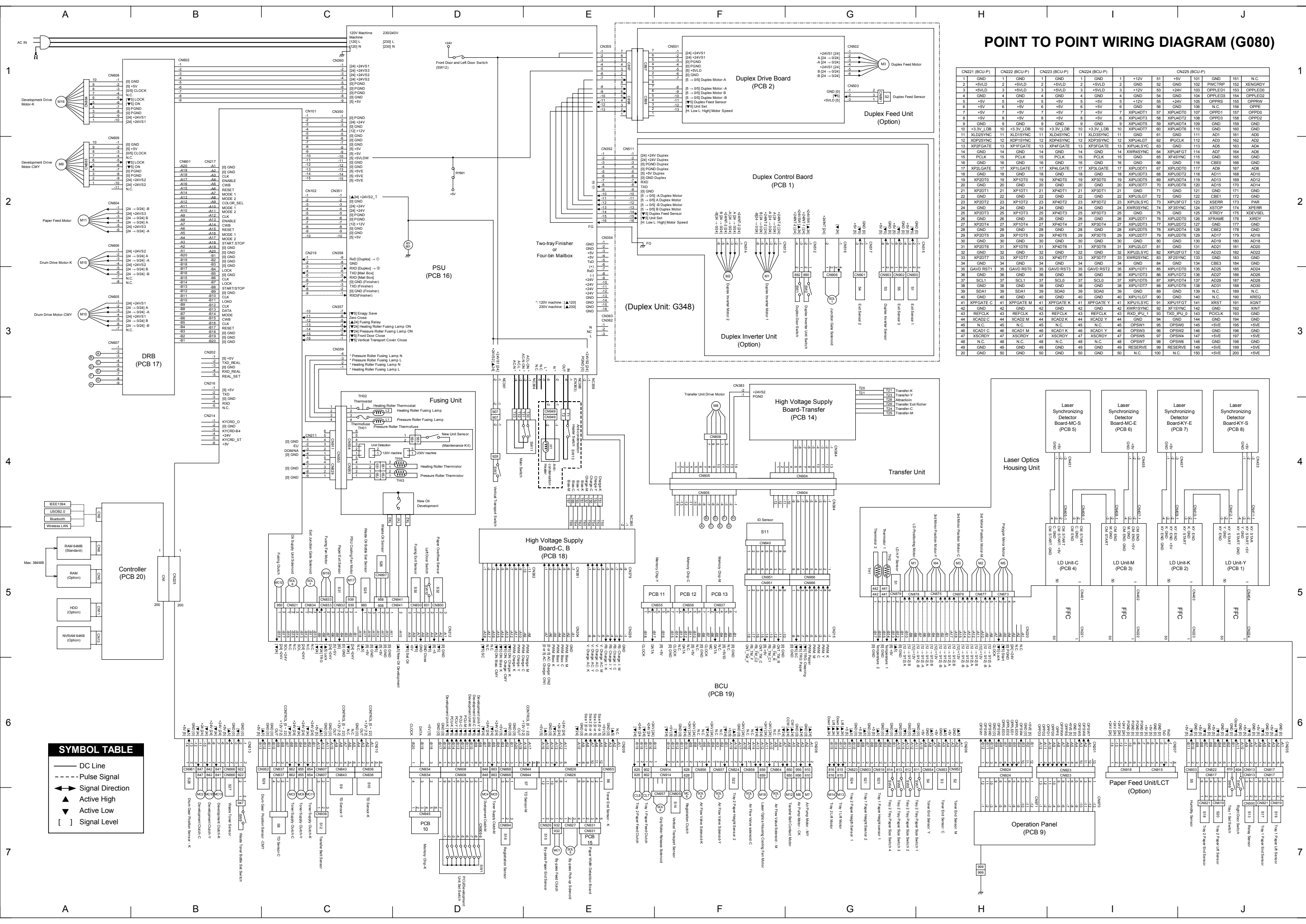


# POINT TO POINT WIRING DIAGRAM (G080)



CN221 (BCU-P)	CN222 (BCU-P)	CN223 (BCU-P)	CN224 (BCU-P)	1	+12V	51	GND	151	N.C.
1 GND	1 GND	1 GND	1 GND	1	GND	82	GND	102	PWCTRP
2 +5VLD	2 +5VLD	2 +5VLD	2 +5VLD	2	GND	83	GND	103	OPPLED
3 +5VLD	3 +5VLD	3 +5VLD	3 +5VLD	3	GND	84	GND	104	OPPLED
4 GND	4 GND	4 GND	4 GND	4	GND	85	GND	105	OPPRW
5 +5V	5 +5V	5 +5V	5 +5V	5	GND	86	GND	106	OPPRW
6 +5V	6 +5V	6 +5V	6 +5V	6	GND	87	GND	107	OPPRW
7 +5V	7 +5V	7 +5V	7 +5V	7	GND	88	GND	108	OPPRW
8 +5V	8 +5V	8 +5V	8 +5V	8	GND	89	GND	109	OPPRW
9 GND	9 GND	9 GND	9 GND	9	GND	90	GND	110	OPPRW
10 +3.3V LDB	10 +3.3V LDB	10 +3.3V LDB	10 +3.3V LDB	10	GND	91	GND	111	AD1
11 XLDSYNC	11 XLDSYNC	11 XLDSYNC	11 XLDSYNC	11	GND	92	GND	112	AD2
12 XDP2SYNC	12 XDP2SYNC	12 XDP2SYNC	12 XDP2SYNC	12	GND	93	GND	113	AD3
13 XDPFGATE	13 XDPFGATE	13 XDPFGATE	13 XDPFGATE	13	GND	94	GND	114	AD4
14 GND	14 GND	14 GND	14 GND	14	GND	95	GND	115	AD5
15 PCLK	15 PCLK	15 PCLK	15 PCLK	15	GND	96	GND	116	AD6
16 GND	16 GND	16 GND	16 GND	16	GND	97	GND	117	AD7
17 XPLGATE	17 XPLGATE	17 XPLGATE	17 XPLGATE	17	GND	98	GND	118	AD8
18 GND	18 GND	18 GND	18 GND	18	GND	99	GND	119	AD9
19 XPD10	19 XPD10	19 XPD10	19 XPD10	19	GND	100	GND	120	AD10
20 GND	20 GND	20 GND	20 GND	20	GND	101	GND	121	AD11
21 XPD11	21 XPD11	21 XPD11	21 XPD11	21	GND	102	GND	122	AD12
22 GND	22 GND	22 GND	22 GND	22	GND	103	GND	123	AD13
23 XPD12	23 XPD12	23 XPD12	23 XPD12	23	GND	104	GND	124	AD14
24 GND	24 GND	24 GND	24 GND	24	GND	105	GND	125	AD15
25 XPD13	25 XPD13	25 XPD13	25 XPD13	25	GND	106	GND	126	AD16
26 GND	26 GND	26 GND	26 GND	26	GND	107	GND	127	AD17
27 XPD14	27 XPD14	27 XPD14	27 XPD14	27	GND	108	GND	128	AD18
28 GND	28 GND	28 GND	28 GND	28	GND	109	GND	129	AD19
29 XPD15	29 XPD15	29 XPD15	29 XPD15	29	GND	110	GND	130	AD20
30 GND	30 GND	30 GND	30 GND	30	GND	111	GND	131	AD21
31 XPD16	31 XPD16	31 XPD16	31 XPD16	31	GND	112	GND	132	AD22
32 GND	32 GND	32 GND	32 GND	32	GND	113	GND	133	AD23
33 XPD17	33 XPD17	33 XPD17	33 XPD17	33	GND	114	GND	134	AD24
34 GND	34 GND	34 GND	34 GND	34	GND	115	GND	135	AD25
35 GAVD RST1	35 GAVD RST1	35 GAVD RST1	35 GAVD RST1	35	GND	116	GND	136	AD26
36 GND	36 GND	36 GND	36 GND	36	GND	117	GND	137	AD27
37 SCL1	37 SCL1	37 SCL1	37 SCL1	37	GND	118	GND	138	AD28
38 GND	38 GND	38 GND	38 GND	38	GND	119	GND	139	AD29
39 SDA1	39 SDA1	39 SDA1	39 SDA1	39	GND	120	GND	140	AD30
40 GND	40 GND	40 GND	40 GND	40	GND	121	GND	141	AD31
41 XPFGATE	41 XPFGATE	41 XPFGATE	41 XPFGATE	41	GND	122	GND	142	AD32
42 GND	42 GND	42 GND	42 GND	42	GND	123	GND	143	AD33
43 REFCLK	43 REFCLK	43 REFCLK	43 REFCLK	43	GND	124	GND	144	AD34
44 ICAD2	44 ICAD2	44 ICAD2	44 ICAD2	44	GND	125	GND	145	AD35
45 N.C.	45 N.C.	45 N.C.	45 N.C.	45	GND	126	GND	146	AD36
46 ICAD1	46 ICAD1	46 ICAD1	46 ICAD1	46	GND	127	GND	147	AD37
47 XSCRDY	47 XSCRDY	47 XSCRDY	47 XSCRDY	47	GND	128	GND	148	AD38
48 N.C.	48 N.C.	48 N.C.	48 N.C.	48	GND	129	GND	149	AD39
49 GND	49 GND	49 GND	49 GND	49	GND	130	GND	150	AD40
50 GND	50 GND	50 GND	50 GND	50	GND	131	GND	151	AD41

**SYMBOL TABLE**

- DC Line
- - - Signal
- ↔ Signal Direction
- ▲ Active High
- ▼ Active Low
- [ ] Signal Level

# ELECTRICAL COMPONENT LAYOUT (G080)

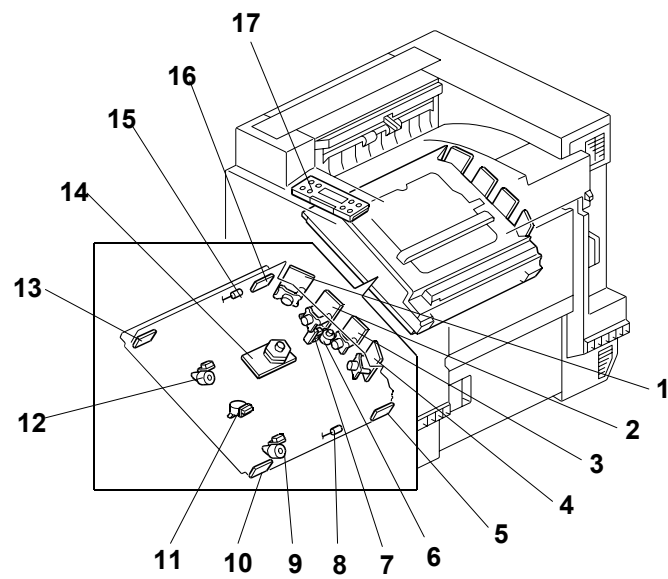


Fig. 1

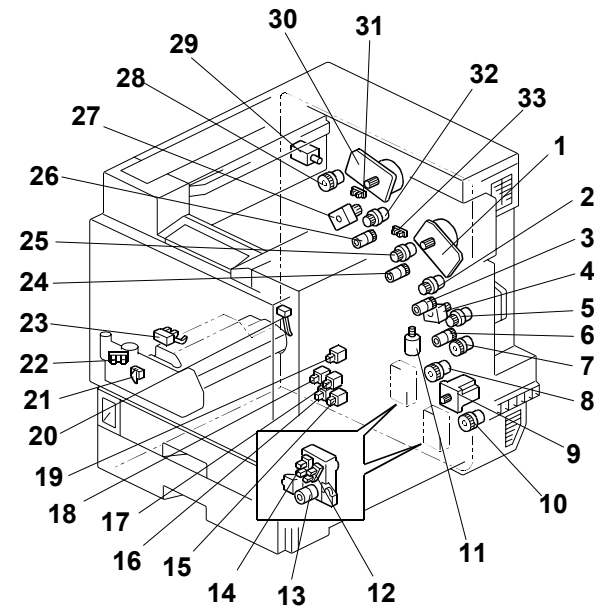


Fig. 5

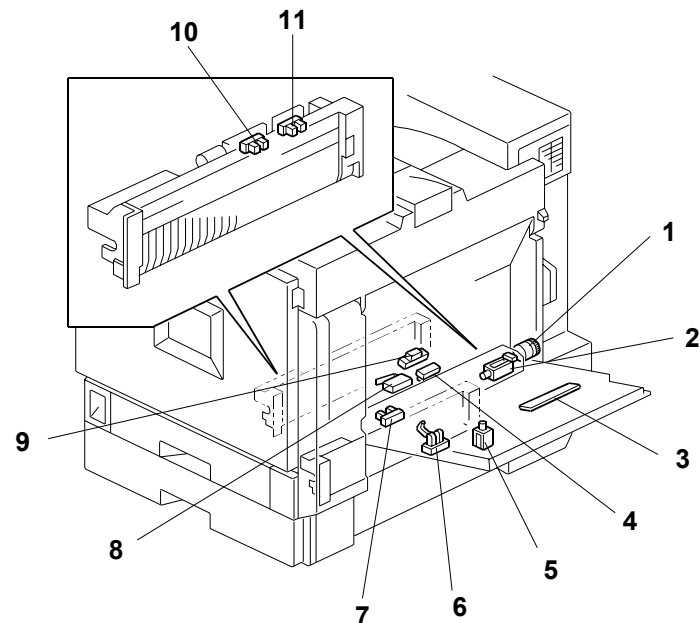


Fig. 4

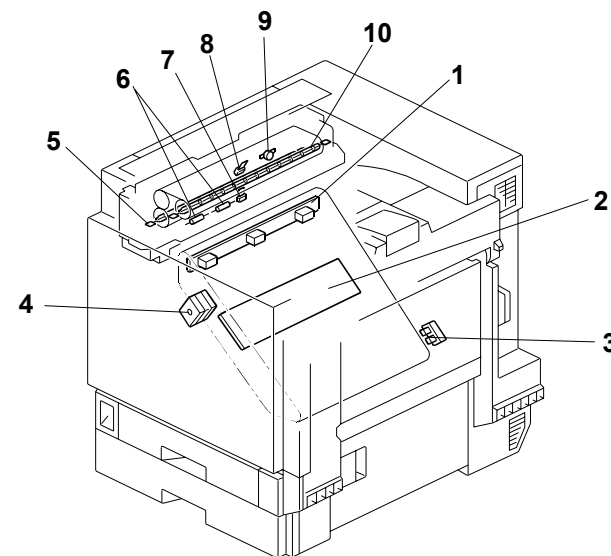


Fig. 3

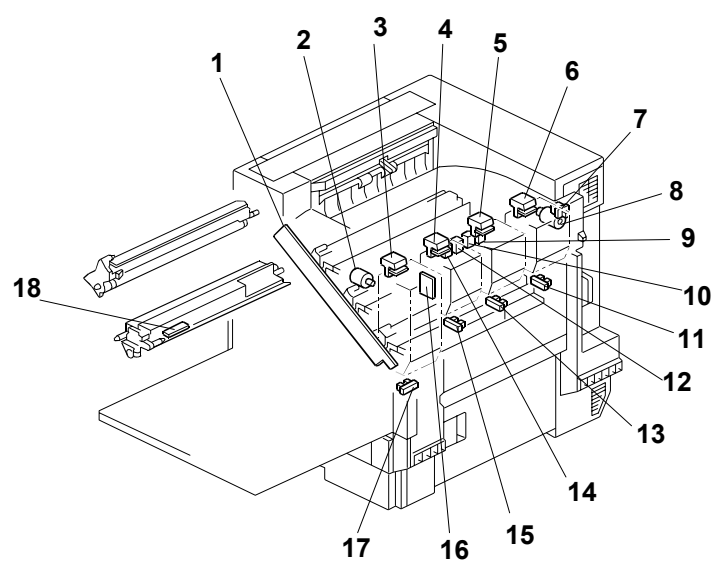


Fig. 2

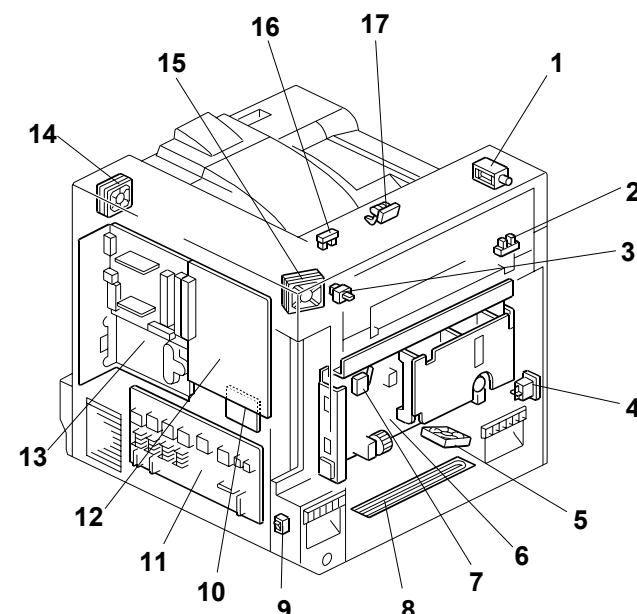
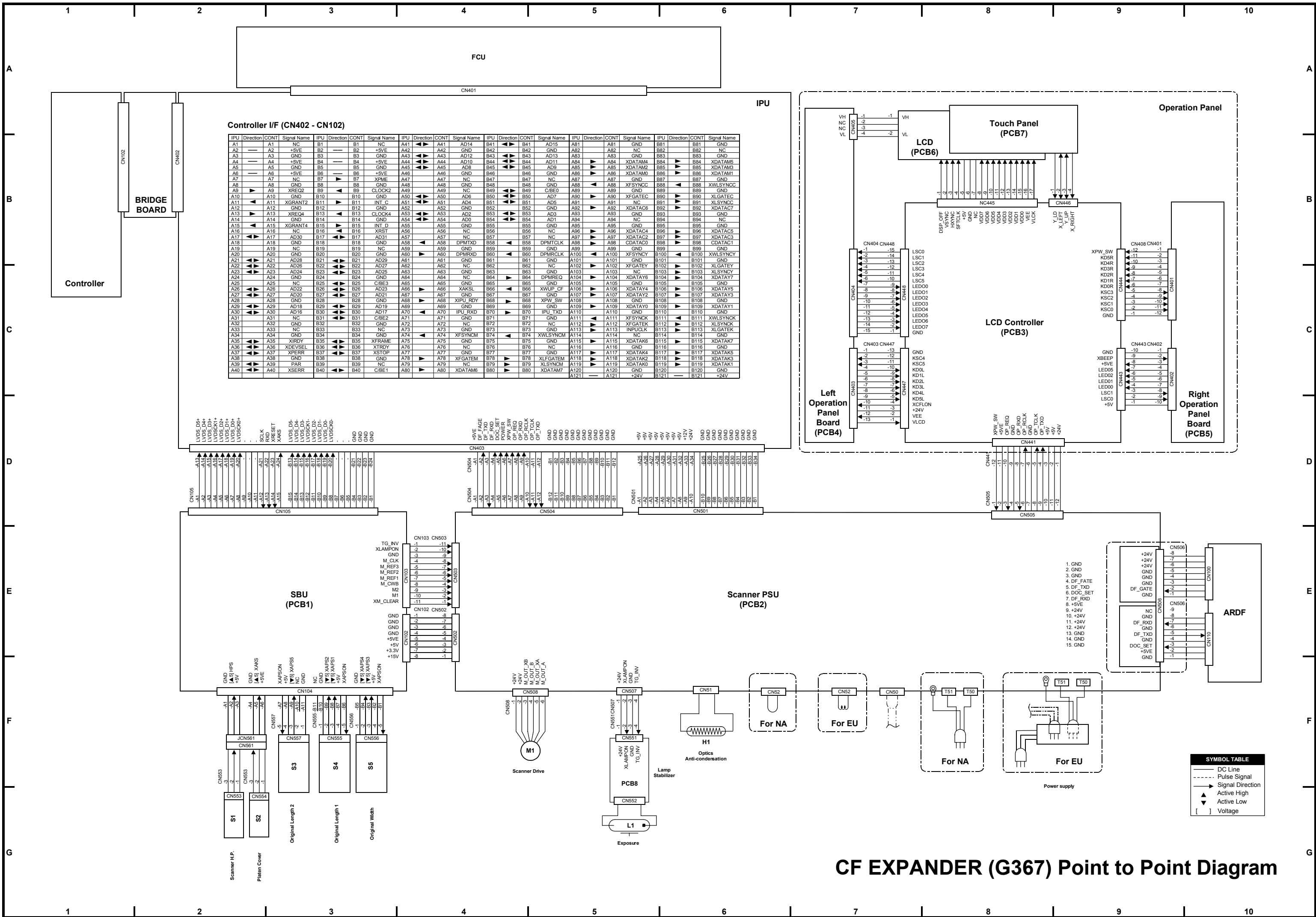


Fig. 6

Symbol	Description	Index No.	P-to-P
<b>Printed Circuit Boards</b>			
PCB1	LD Unit-Y	1-1	J5
PCB2	LD Unit-K	1-2	J5
PCB3	LD Unit-M	1-3	I5
PCB4	LD Unit-C	1-4	I5
PCB5	Laser Synchronizing Detector Board-MC - S	1-5	I4
PCB6	Laser Synchronizing Detector Board-MC - E	1-10	I4
PCB7	Laser Synchronizing Detector Board-YK - S	1-13	J4
PCB8	Laser Synchronizing Detector Board-YK - E	1-16	J4
PCB9	Operation Panel	1-17	H7
PCB10	Memory Chip - K	2-3	D7
PCB11	Memory Chip - Y	2-4	F5
PCB12	Memory Chip - C	2-5	F5
PCB13	Memory Chip - M	2-6	F5
PCB14	High Voltage Supply Board - Transfer	3-2	G4
PCB15	Paper Width Detection Board	4-3	E7
PCB16	PSU (Power Supply Unit)	6-6	D2
PCB17	DRB	6-10	B2
PCB18	High Voltage Supply Board - C, B	6-11	E5
PCB19	BCU	6-12	F6
PCB20	Controller	6-13	B5
<b>Motors</b>			
M1	LD Positioning Motor	1-6	G5
M2	3rd Mirror Positioning Motor-M	1-9	H5
M3	3rd Mirror Positioning Motor-C	1-11	H5
M4	3rd Mirror Positioning Motor-Y	1-12	H5
M5	Polygon Motor	1-14	H5
M6	Air Pump - CK	2-2	G7
M7	Air Pump - MY	2-8	G7
M8	Transfer Unit Drive Motor	3-4	F4
M9	Development Drive Motor-CMY	5-1	A2
M10	Drum Drive Motor-CMY	5-4	A3
M11	Paper Feed Motor	5-9	A2
M12	Transfer Belt Contact Motor	5-11	G7
M13,14	Tray Lift Motor	5-13	G7
M15	Drum Drive Motor-K	5-27	A2
M16	Development Drive Motor-K	5-30	A1
M17	PSU Cooling Fan Motor	6-5	C5
M18	Laser Optics Housing Cooling Fan Motor	6-14	F7
M19	Fusing Fan Motor	6-15	C5
<b>Sensors</b>			
S1	LD H.P. Sensor	1-7	G5
S2	Toner End Sensor - M	2-11	H6
S3	Toner End Sensor - C	2-13	H6
S4	Toner End Sensor - Y	2-15	H6
S5	Humidity Sensor	2-16	J6
S6	Toner End Sensor - K	2-17	E6
S7	TD Sensor - M	2-18	E6
S8	TD Sensor - C	2-18	C7
S9	TD Sensor - Y	2-18	C6
S10	TD Sensor - K	2-18	C6
S11	ID Sensor	3-1	F5
S12	Transfer Belt Sensor	3-3	C7
S13	Relay Sensor	4-4	J7
S14	Vertical Transport Sensor	4-6	F7
S15	By-pass Paper End Sensor	4-7	E7
S16	Registration Sensor	4-9	D7
S17,18	Paper End Sensor	4-10	J7
S19,20	Paper Lift Sensor	4-11	J7
S21	Tray 1 Paper Height Sensor 2	5-12	G6
S22	Tray 2 Paper Height Sensor 2	5-12	F6
S23	Tray 1 Paper Height Sensor 1	5-14	G6
S24	Tray 2 Paper Height Sensor 1	5-14	G6
S25	Waste Oil Bottle Set Sensor	5-21	C5
S26	Waste Oil Sensor	5-22	C5
S27	Waste Toner Sensor	5-23	B6

Symbol	Description	Index No.	P-to-P
S28	Drum Gear Position Sensor - K	5-31	B6
S29	Drum Gear Position Sensor - CMY	5-33	C6
S30	Fusing Exit Sensor	6-2	D5
S31	Paper Exit Sensor	6-16	C5
S32	Paper Overflow Sensor	6-17	D5
<b>Switches</b>			
SW1	PCU/Development Unit Set Switch	2-1	D7
SW2	Right Door Switch	2-7	J7
SW3	Vertical Transport Switch	4-8	D4
SW4	Tray 2 Paper Size Switch - 4	5-15	G6
SW5	Tray 2 Paper Size Switch - 2	5-16	G6
SW6	Tray 2 Paper Size Switch - 3	5-17	G6
SW7	Tray 2 Paper Size Switch - 1	5-18	G6
SW8	Tray 1 Set Switch	5-19	J6
SW9	Waste Toner Bottle Set Switch	5-20	B7
SW10	Left Door Switch	6-3	D5
SW11	Main Switch	6-4	E4
SW12	Front Door and Left Door Switch	6-7	D1
SW13	Anti-condensation Heater Switch	6-9	E4
<b>Clutches</b>			
MC1	By-pass Feed Clutch	4-1	E7
MC2	Development Clutch-C	5-2	B7
MC3	Toner Supply Clutch-C	5-3	C7
MC4	Development Clutch-M	5-5	D7
MC5	Toner Supply Clutch-M	5-6	D7
MC6	Registration Clutch	5-7	F7
MC7	Tray 1 Paper Feed Clutch	5-8	E7
MC8	Tray 2 Paper Feed Clutch	5-10	E7
MC9	Toner Supply Clutch-Y	5-24	C7
MC10	Development Clutch-Y	5-25	B7
MC11	Toner Supply Clutch-K	5-26	C7
MC12	Fusing Clutch	5-28	C5
MC13	Development Clutch-K	5-32	B7
<b>Solenoids</b>			
SOL1	Air Flow Valve Solenoid - M	2-9	F7
SOL2	Air Flow Valve Solenoid - C	2-10	F7
SOL3	Air Flow Valve Solenoid - Y	2-12	F7
SOL4	Air Flow Valve Solenoid - K	2-14	F7
SOL5	By-pass Pick-up Solenoid	4-2	E7
SOL6	Grip Roller Release Solenoid	4-5	F7
SOL7	Exit Junction Gate Solenoid	5-29	C5
SOL8	Oil Supply Unit Solenoid	6-1	C5
<b>Lamps</b>			
L1	Pressure Roller Fusing Lamp	3-5	C4
L2	Heating Roller Fusing Lamp	3-10	C4
<b>Thermistors</b>			
TH1	Thermistor 2	1-8	G5
TH2	Thermistor 1	1-15	G5
TH3	Pressure Roller Thermistor	3-7	D4
TH4	Heating Roller Thermistor	3-8	D4
<b>Thermofuse/Stat</b>			
THO1	Pressure Roller Thermofuse	3-6	C4
THO2	Heating Roller Thermostat	3-9	C4
H1	Anti-condensation Heater	6-8	E4

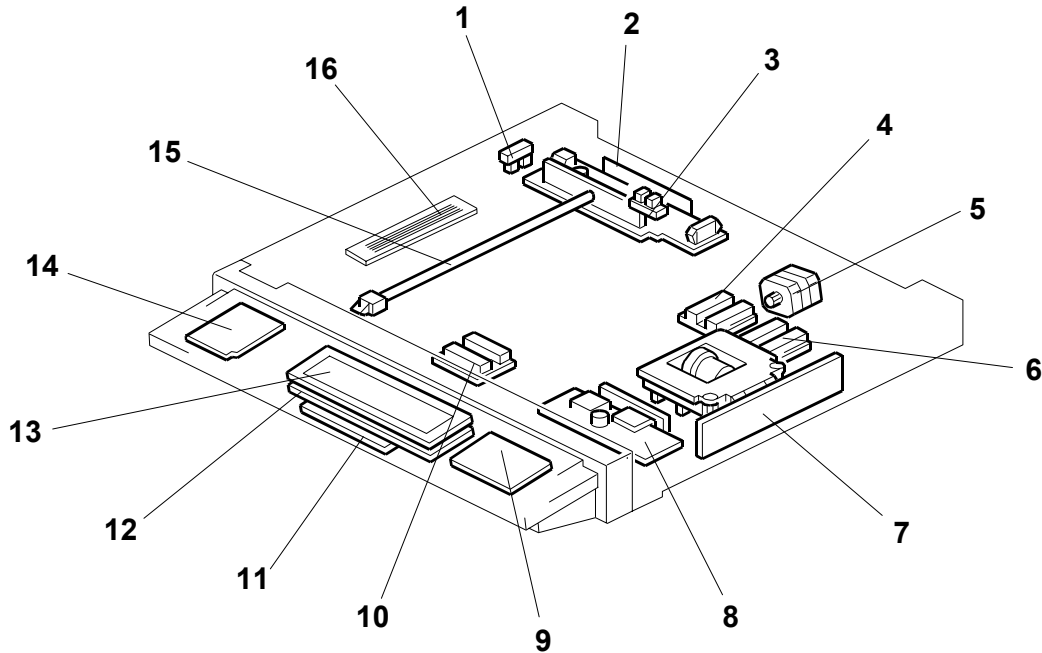


# CF EXPANDER (G367) Point to Point Diagram

**SYMBOL TABLE**

- DC Line
- - - Pulse Signal
- Signal Direction
- ▲ Active High
- ▼ Active Low
- [ ] Voltage

# CF EXPANDER (G367) ELECTRICAL COMPONENT LAYOUT



Symbol	Name	Index No.	P to P
<b>Sensor</b>			
S1	Scanner Home Position	1	G2
S2	Platen Cover	3	G2
S3	Original Length 1	4	F3
S4	Original Length 2	6	F3
S5	Original Width	10	F3
<b>PCBs</b>			
PCB1	SBU (Sensor Board Unit)	7	E3
PCB2	Scanner PSU (Power Supply Unit)	2	E6
PCB3	LCD Controller	11	C8
PCB4	Right Operation Panel Board	9	D10
PCB5	Left Operation Panel Board	14	D7
PCB6	LCD	12	B8
PCB7	Touch Panel	13	A8
PCB8	Lamp Stabilizer	8	F5
<b>Motor</b>			
M1	Scanner Drive	5	F4
<b>Lamp</b>			
L1	Exposure	15	G5
<b>Heater</b>			
H1	Optics Anti-condensation (Option)	16	F6