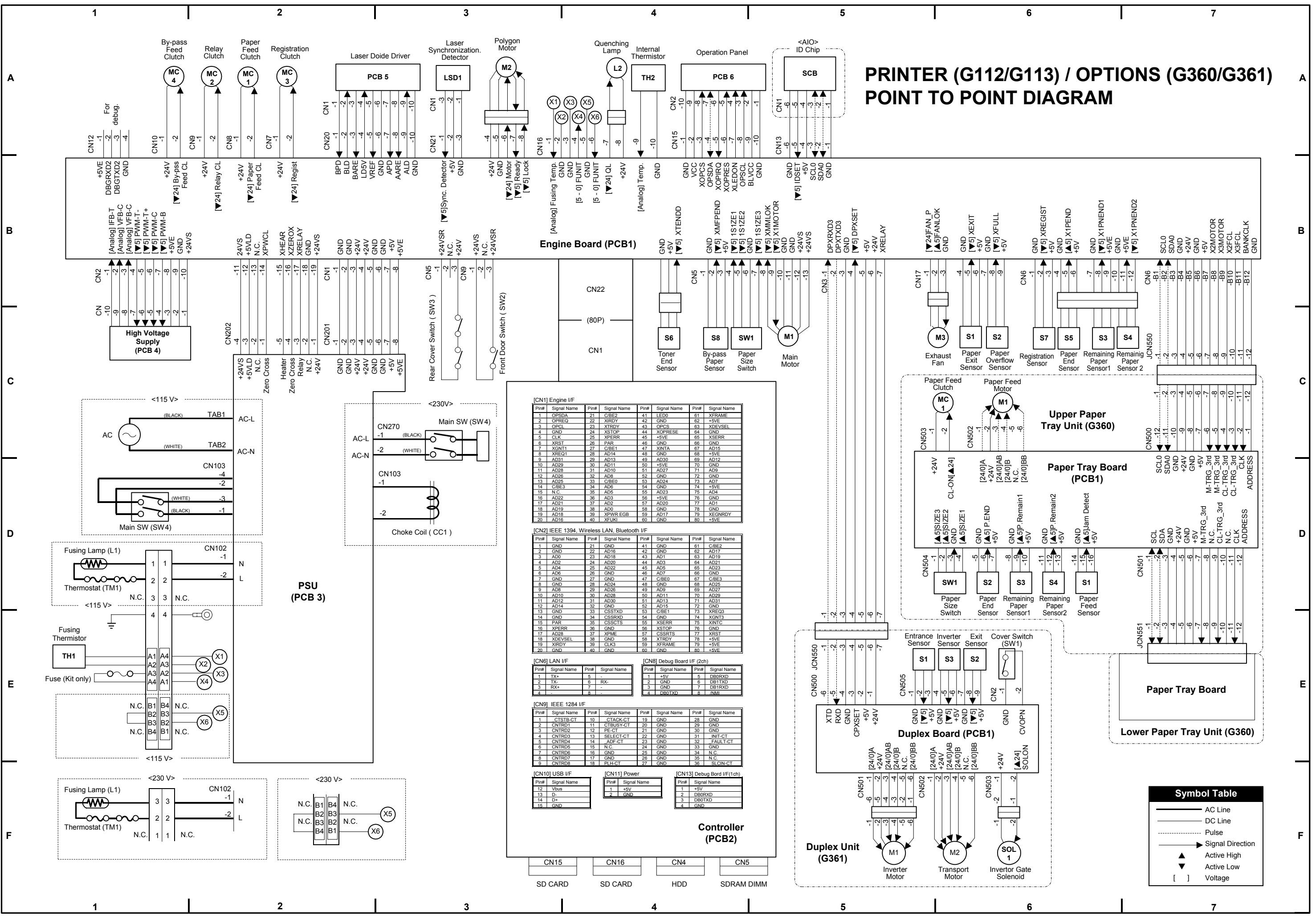


# PRINTER (G112/G113) / OPTIONS (G360/G361) POINT TO POINT DIAGRAM



## Engine Board (PCB1)

[CN1] Engine I/F

Pin#	Signal Name	Pin#	Signal Name	Pin#	Signal Name	Pin#	Signal Name
1	OPSDA	21	CBE2	41	LED0	61	XFRAME
2	OPREG	22	XTRDY	42	GND	62	+5VE
3	OPCL	23	XTRDY	43	OPCS	63	XDEVSEL
4	GND	24	XSTOP	44	XOPRESE	64	GND
5	CLK	25	XERR	45	+5VE	65	XERR
6	XRST	26	PAR	46	GND	66	GND
7	XGNT1	27	CBE1	47	XINTA	67	AD15
8	XREQ1	28	AD14	48	GND	68	+5VE
9	AD1	29	AD13	49	AD30	69	AD12
10	AD29	30	AD11	50	+5VE	70	GND
11	AD28	31	AD10	51	AD27	71	AD9
12	AD8	32	AD8	52	GND	72	GND
13	AD25	33	CBE0	53	AD24	73	AD7
14	CBE3	34	AD6	54	GND	74	+5VE
15	N.C.	35	AD5	55	AD23	75	AD4
16	AD22	36	AD3	56	+5VE	76	GND
17	AD21	37	AD2	57	AD20	77	AD1
18	AD19	38	AD0	58	GND	78	GND
19	AD18	39	XPIR EGB	59	AD17	79	XEGNROY
20	AD16	40	XEUKI	60	GND	80	+5VE

[CN2] IEEE 1394, Wireless LAN, Bluetooth I/F

Pin#	Signal Name	Pin#	Signal Name	Pin#	Signal Name	Pin#	Signal Name
1	GND	21	GND	41	GND	61	CBE2
2	GND	22	AD16	42	GND	62	AD17
3	AD0	23	AD18	43	AD1	63	AD19
4	AD2	24	AD20	44	AD3	64	AD21
5	AD4	25	AD22	45	AD5	65	AD23
6	AD6	26	GND	46	AD7	66	GND
7	GND	27	GND	47	CBE0	67	CBE3
8	GND	28	AD24	48	GND	68	AD25
9	AD8	29	AD26	49	AD9	69	AD27
10	AD10	30	AD28	50	AD11	70	AD29
11	AD12	31	AD30	51	AD13	71	AD31
12	AD14	32	GND	52	AD15	72	GND
13	GND	33	CSSTXD	53	CBE1	73	XREQ3
14	GND	34	CSRXD	54	GND	74	XGNT3
15	PAR	35	CSCTS	55	XERR	75	XINTC
16	XERR	36	GND	56	XSTOP	76	GND
17	AD9	37	XPIRE	57	CSRTS	77	XRST
18	XDEVSEL	38	GND	58	XTRDY	78	+5VE
19	XRDY	39	CLK3	59	XFRAME	79	+5VE
20	GND	40	GND	60	GND	80	+5VE

[CN6] LAN I/F

Pin#	Signal Name	Pin#	Signal Name
1	TX+	5	-
2	TX-	6	RX-
3	RX+	7	-
4	-	8	DMT

[CN9] IEEE 1284 I/F

Pin#	Signal Name	Pin#	Signal Name	Pin#	Signal Name	Pin#	Signal Name
1	CTSTB-CT	10	CTACK-CT	19	GND	28	GND
2	CNTR1	11	CTBUS-CT	20	GND	29	GND
3	CNTR2	12	PE-CT	21	GND	30	GND
4	CNTR3	13	SELECT-CT	22	GND	31	INIT-CT
5	CNTR4	14	ADF-CT	23	GND	32	FAULT-CT
6	CNTR5	15	N.C.	24	GND	33	GND
7	CNTR6	16	GND	25	GND	34	N.C.
8	CNTR7	17	GND	26	GND	35	N.C.
9	CNTR8	18	PLH-CT	27	GND	36	SLGIN-CT

[CN10] USB I/F

Pin#	Signal Name
12	Vbus
13	D-
14	D+
15	GND

[CN11] Power

Pin#	Signal Name
1	+5V
2	GND

[CN13] Debug Board I/F (1ch)

Pin#	Signal Name
1	+5V
2	DBGXRD
3	DBGTXD
4	GND

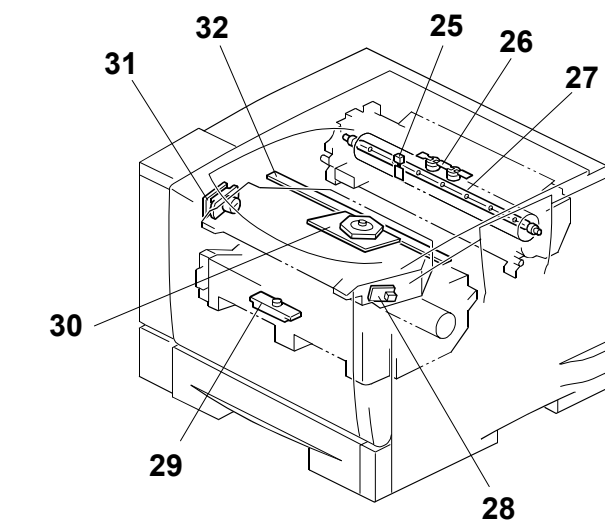
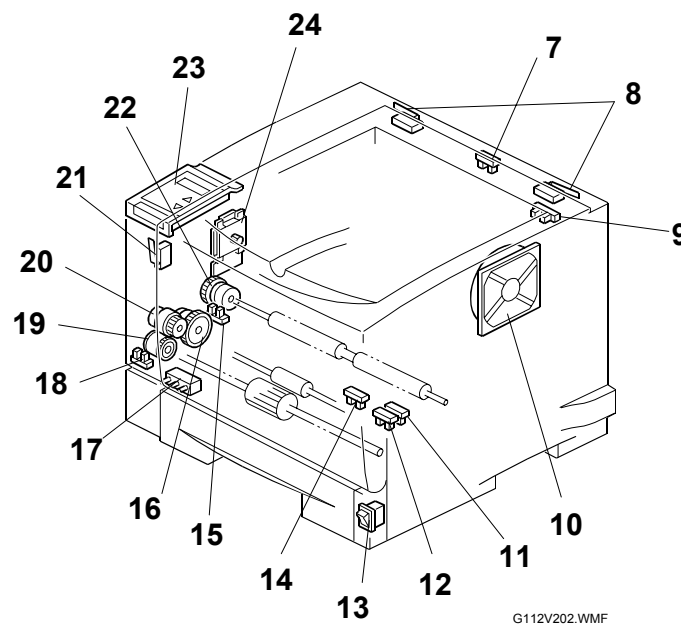
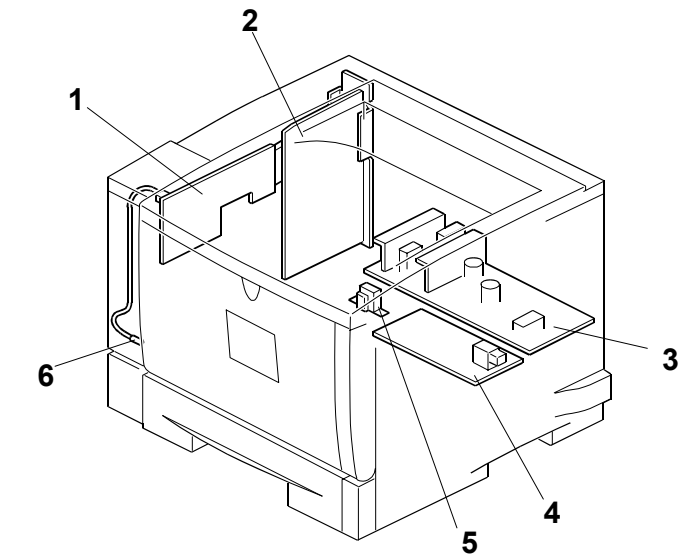
Symbol Table

- AC Line
- DC Line
- Pulse
- Signal Direction
- Active High
- Active Low
- Voltage

# PRINTER (G112/G113) / OPTIONS (G360/G361) ELECTRICAL COMPONENT LAYOUT

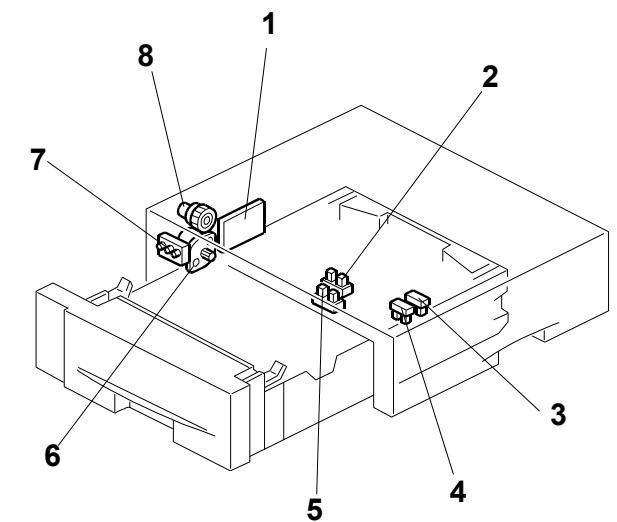
## Printer (G112/G113)

Symbol	Index No.	Description	P to P
<b>Motors</b>			
M1	24	Main	C5
M2	30	Polygonal Mirror	A3
M3	10	Exhaust Fan	C6
<b>Magnetic Clutches</b>			
MC1	16	Paper Feed	A2
MC2	20	Relay	A2
MC3	22	Registration	A2
MC4	19	By-pass feed	A1
<b>Switches</b>			
SW1	17	Paper Size	C5
SW2	21	Front Door	C3
SW3	8	Rear Cover	C3
SW4	13	Main	C3, D1
<b>Sensors</b>			
S1	7	Paper Exit	C6
S2	9	Paper Overflow	C6
S3, S4	11, 12	Remaining Paper	C6
S5	14	Paper End	C6
S6	29	Toner End	C4
S7	15	Registration	C6
S8	18	By-pass paper	C4
<b>PCBs</b>			
PCB1	1	Engine	B4
PCB2	2	Printer controller	G4
PCB3	3	PSU (Power Supply Unit)	D2
PCB4	4	High Voltage Supply	C1
PCB5	31	LDD (Laser Diode Driver)	A3
PCB6	23	Operation Panel	A4
<b>Lamps</b>			
L1	27	Fusing	D1, F1
L2	32	Quenching	A4
<b>Others</b>			
TM1	26	Thermostat	D1, F1
TH1	25	Fusing Thermistor	E1
TH2	6	Internal Thermistor	A4
LSD1	28	Laser Synchronization Detector	A3
CC1	5	Choke Coil (230V machine only)	D3



## Paper Tray Unit (G360)

Symbol	Index No.	Description	P to P
<b>Motor</b>			
M1	6	Paper feed	C6
<b>Sensors</b>			
S1	5	Paper feed	D6
S2	2	Paper end	D6
S3, S4	3, 4	Remaining paper	D6
<b>Switch</b>			
SW1	7	Paper size	D6
<b>Clutch</b>			
MC1	8	Paper feed	C6
<b>PCB</b>			
PCB1	1	Paper tray board	D6



## Duplex Unit (G361)

Symbol	Index No.	Description	P to P
<b>Motors</b>			
M1	8	Inverter	F5
M2	4	Transport	F6
<b>Sensors</b>			
S1	1	Entrance	E5
S2	5	Exit	F6
S3	6	Inverter	E6
<b>Switch</b>			
SW1	3	Cover	E6
<b>Solenoid</b>			
SOL1	7	Inverter gate	F6
<b>PCB</b>			
PCB1	2	Duplex board	E6

