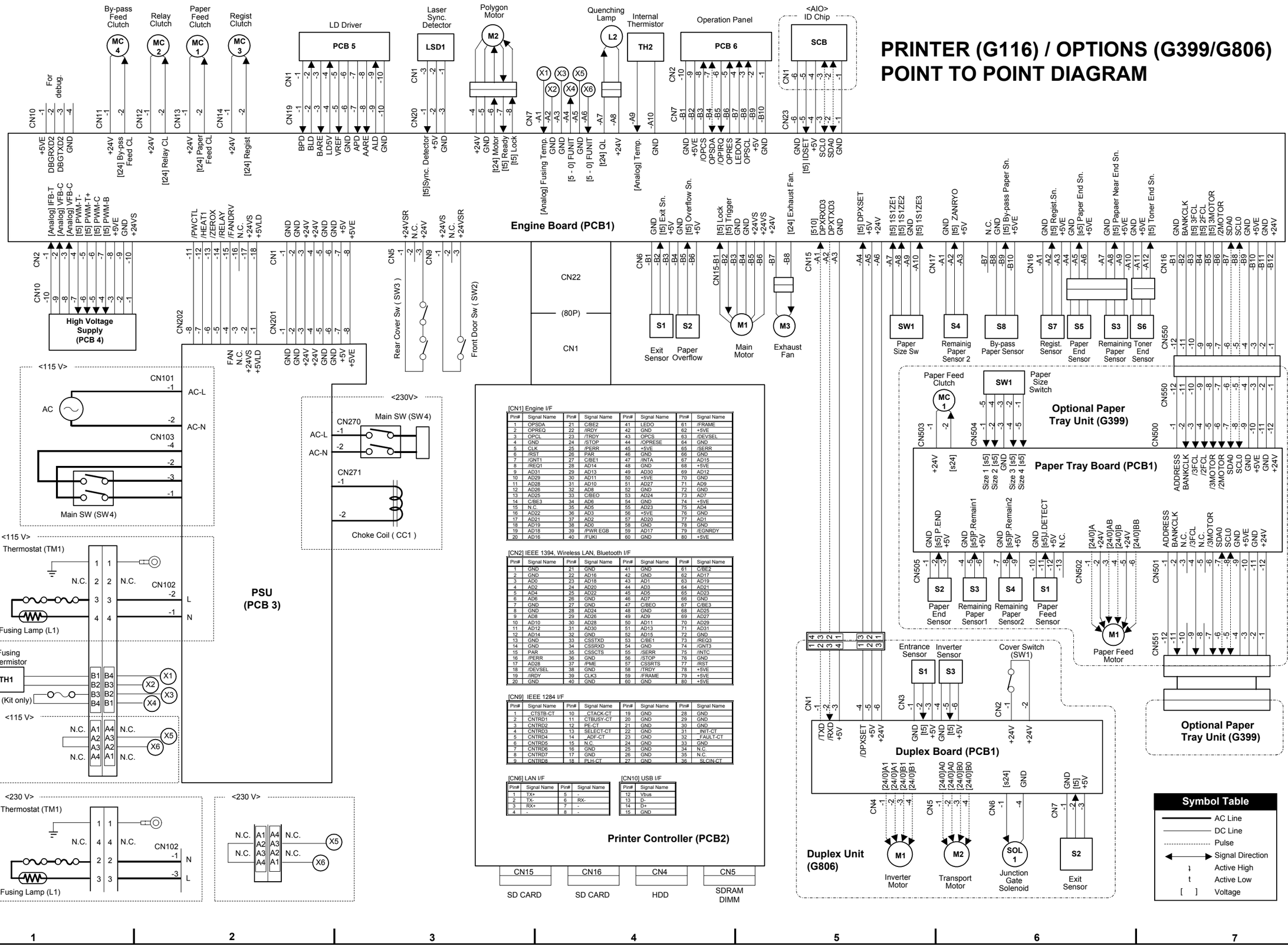
PRINTER (G116) / OPTIONS (G399/G806) POINT TO POINT DIAGRAM



[CN1] Engine I/F

Pin#	Signal Name	Pin#	Signal Name	Pin#	Signal Name	Pin#	Signal Name
1	OPSDA	21	C/BE2	41	LEDO	61	/FRAME
2	OPREQ	22	/IRDY	42	GND	62	+5VE
3	OPCL	23	/TRDY	43	OPCS	63	/DEVSEL
4	GND	24	/STOP	44	/OPRESE	64	GND
5	CLK	25	/PERR	45	+5VE	65	/SERR
6	/RST	26	PAR	46	GND	66	GND
7	/GNT1	27	C/BE1	47	/INTA	67	AD15
8	/REQ1	28	AD14	48	GND	68	+5VE
9	AD31	29	AD13	49	AD30	69	AD12
10	AD29	30	AD11	50	+5VE	70	GND
11	AD28	31	AD10	51	AD27	71	AD9
12	AD26	32	AD8	52	GND	72	GND
13	AD25	33	C/BEO	53	AD24	73	AD7
14	C/BE3	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	/PWR EGB	59	AD17	79	/EGNRDY
20	AD16	40	/FUKI	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	C/BE2
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	C/BEO	67	C/BE3
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	C/BE1	73	/REQ3
14	GND	34	CSSRXD	54	GND	74	/GNT3
15	PAR	35	CSSCTS	55	/SERR	75	/INTC
16	/PERR	36	GND	56	/STOP	76	GND
17	AD28	37	/PME	57	CSSRTS	77	/RST
18	/DEVSEL	38	GND	58	/TRDY	78	+5VE
19	/IRDY	39	CLK3	59	/FRAME	79	+5VE
20	GND	40	GND	60	GND	80	+5VE

[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	CNTRD1	11	CTBUSY-CT	20	GND	29	GND
3	CNTRD2	12	PE-CT	21	GND	30	GND
4	CNTRD3	13	SELECT-CT	22	GND	31	INIT-CT
5	CNTRD4	14	ADF-CT	23	GND	32	FAULT-CT
6	CNTRD5	15	N.C.	24	GND	33	GND
7	CNTRD6	16	GND	25	GND	34	N.C.
8	CNTRD7	17	GND	26	GND	35	N.C.
9	CNTRD8	18	PLH-CT	27	GND	36	SLCIN-CT

[CN6] LAN I/F

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

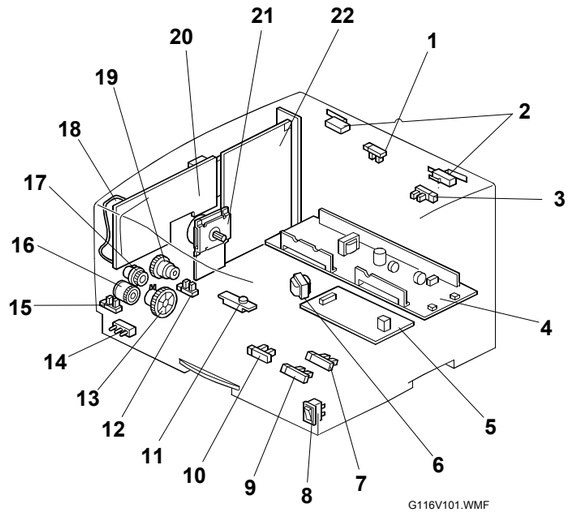
[CN10] USB I/F

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

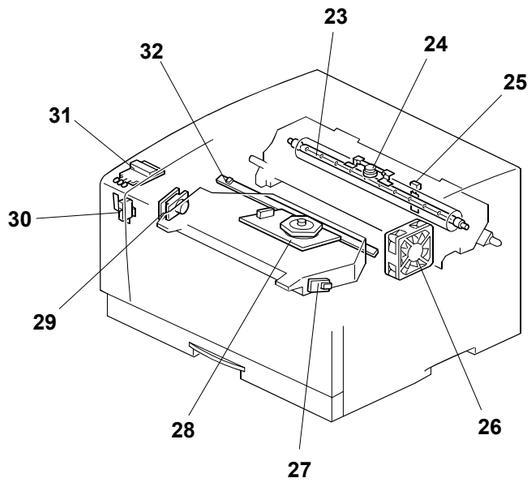
PRINTER (G116) / OPTIONS (G399/G806)
ELECTRICAL COMPONENT LAYOUT

Printer (G116)

Symbol	Index No.	Description	P to P
Motors			
M1	21	Main	C5
M2	28	Polygonal Mirror	A3
M3	26	Exhaust Fan	C5
Magnetic Clutches			
MC1	13	Paper Feed	A2
MC2	17	Relay	A2
MC3	19	Registration	A2
MC4	16	By-pass feed	A1
Switches			
SW1	14	Paper Size	C5
SW2	30	Front Cover	C3
SW3	2	Rear Cover	C3
SW4	8	Main	C3, D1
Sensors			
S1	1	Paper Exit	C4
S2	3	Paper Overflow	C4
S3, S4	7, 9	Remaining Paper	C6
S5	10	Paper End	C6
S6	11	Toner End	C7
S7	12	Registration	C6
S8	15	By-pass paper	C6
PCBs			
PCB1	20	Engine	B4
PCB2	22	Printer controller	G4
PCB3	4	PSU (Power Supply Unit)	D2
PCB4	5	High Voltage Supply	C1
PCB5	29	LDD (Laser Diode Driver)	A3
PCB6	31	Operation Panel	A4
Lamps			
L1	23	Fusing	D1, F1
L2	32	Quenching	A4
Others			
TM1	24	Thermostat	D1, F1
TH1	25	Fusing Thermistor	E1
TH2	18	Internal Thermistor	A4
LSD1	27	Laser Synchronization Detector	A3
CC1	6	Choke Coil (230V machine only)	D3

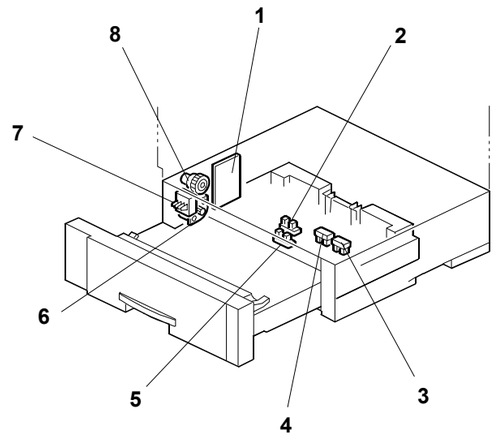


G116V101.WMF



Paper Tray Unit (G399)

Symbol	Index No.	Description	P to P
Motor			
M1	6	Paper feed motor	E6
Sensors			
S1	5	Paper feed sensor	D6
S2	2	Paper end sensor	D6
S3, S4	3, 4	Remaining paper	D6
Switch			
SW1	7	Paper size switch	C6
Clutch			
MC1	8	Paper feed clutch	C6
PCB			
PCB1	1	Paper tray board	D6



Duplex Unit (G806)

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