



CN105 USB	
1	VBUS
2	D-
3	D+
4	GND

CN106 to 108 SD Card	
1	DT3
2	CMD
3	GND
4	+3.3VEP
5	CLK
6	GND
7	DT0
8	DT1
9	DT2

CN103 NIC	
1	RX+
2	RX-
3	GND
4	+3.3VE
5	TX+
6	TX-
7	N.C.
8	F.G.
9	LINK_LED:GND
10	LINK_LED+
11	SPEED_LED:GND
12	SPEED_LED+

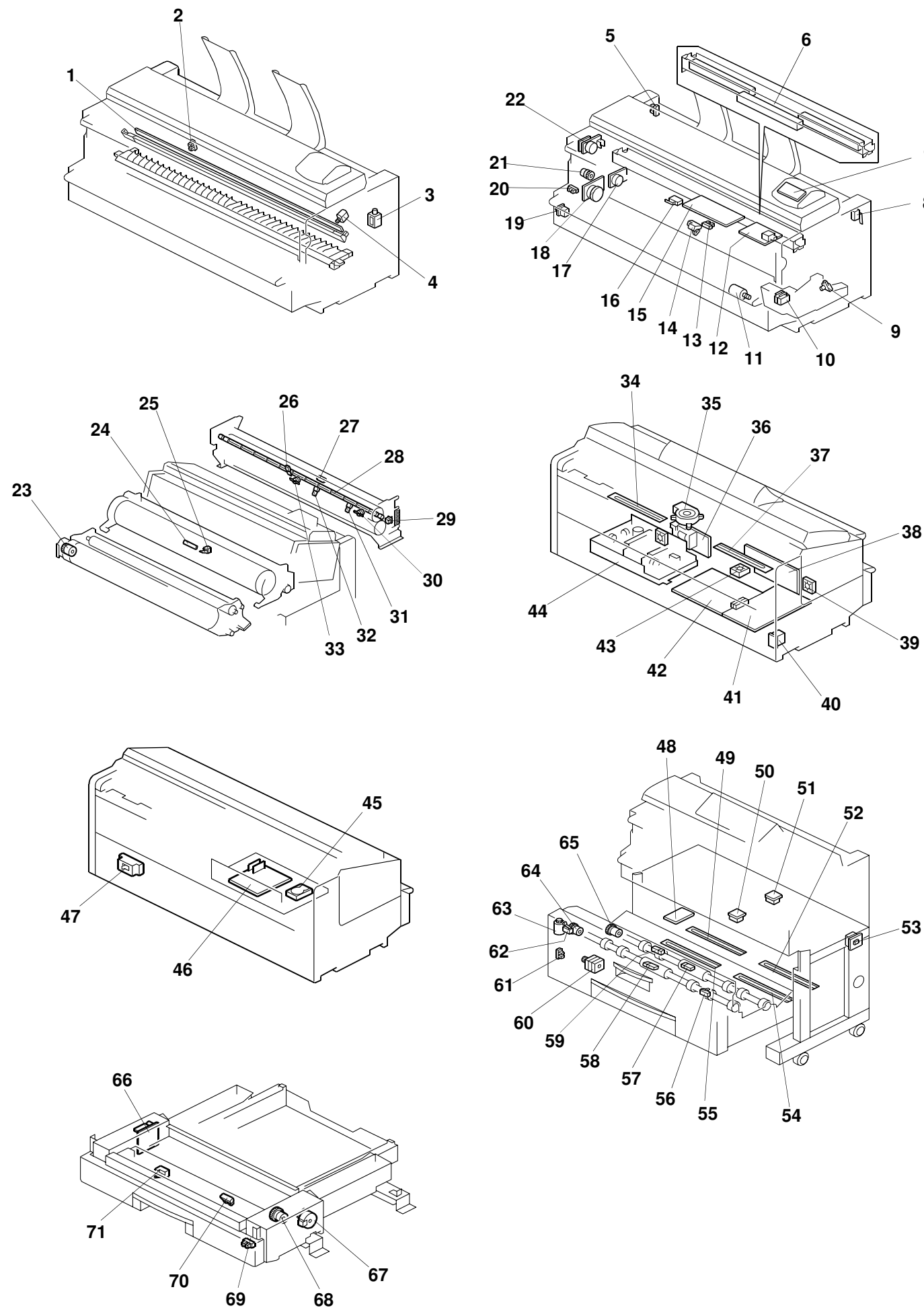
CN117 NOVITA	
1	GND
2	GND
3	+3.3VE
4	+3.3VE
5	SP1IC501
6	SP1IC511
7	SP1IC521
8	SP1IC531
9	SP11D0UT
10	SP11Q1LK
11	SP11D1IN
12	SP12D1IN
13	SP12CS11
14	SP12CS01
15	SP12D0UT
16	SP12Q1LK
17	FRAM PFU Selection 2
18	Novita Set
19	FRAM PFU Selection 3
20	RESERVE
21	FRAM PFU Selection 1
22	RTCONT
23	I2CCLK
24	I2CDATA
25	Novita Set
26	Novita Set
27	+3.3VE
28	+3.3VE
29	GND
30	GND

CN114 HDD
1 RESETI
2 GND
3 DD7
4 DD8
5 DD6
6 DD9
7 DD5
8 DD10
9 DD4
10 DD11
11 DD3
12 DD12
13 DD2
14 DD13
15 DD1
16 DD14
17 DD0
18 DD15
19 GND
20 GND
21 DMARQ
22 GND
23 DIOWI
24 GND
25 DIORI
26 GND
27 IORDYI
28 CSEL
29 DMACKI
30 GND
31 INTRQ
32 N.C.
33 DA1
34 N.C.
35 DA0
36 DA2
37 CS0I
38 CS1I
39 N.C.
40 GND

CN110 Board Slot		
1	GND	45 XDEVSEL
2	XINT C	46 XSTOP
3	GND	47 GND
4	N.C.	48 XPERR
5	GND	49 XSERR
6	CLKRUN	50 PAR
7	GND	51 GND
8	XRST	52 C/BE1
9	GND	53 AD15
10	CLKT	54 AD14
11	GND	55 GND
12	XGNT5	56 AD13
13	GND	57 AD12
14	XREO5	58 AD11
15	GND	59 GND
16	XPME	60 AD10
17	AD31	61 AD9
18	AD30	62 AD8
19	AD29	63 GND
20	AD28	64 C/BE0
21	AD27	65 AD7
22	AD26	66 AD6
23	GND	67 AD5
24	AD25	68 AD4
25	AD24	69 AD3
26	C/BE3	70 AD2
27	GND	71 +3.3VEP
28	IDSEL	72 AD1
29	AD23	73 +3.3VEP
30	AD22	74 AD0
31	GND	75 +3.3VEP
32	AD21	76 N.C.
33	AD20	77 +3.3VEP
34	AD19	78 N.C.
35	GND	79 +3.3VEP
36	AD18	80 N.C.
37	AD17	81 +3.3VEP
38	AD16	82 N.C.
39	GND	83 +5VEP
40	C/BE2	84 N.C.
41	XFRAME	85 +5VEP
42	XRDY	86 N.C.
43	GND	87 +3.3Vaux
44	XTRDY	88 N.C.

CN1-CN100 MB-CTL							
1	+5V	51	AD58	101	+5VE	151	AD59
2	+5V	52	AD56	102	+5VE	152	AD57
3	+5V	53	GND	103	+5VE	153	GND
4	+5V	54	AD54	104	+5VE	154	AD55
5	+5V	55	AD52	105	+5VE	155	AD53
6	+5V	56	AD50	106	+5VE	156	AD51
7	+5V	57	AD48	107	+5VE	157	AD49
8	+5V	58	GND	108	+5VE	158	GND
9	XINTD	59	AD46	109	XINTC	159	AD47
10	XINTA	60	AD44	110	XINTB	160	AD45
11	XREQ6	61	AD42	111	XREQ3	161	AD43
12	XGNT6	62	AD40	112	XGNT3	162	AD41
13	XREQ1	63	GND	113	XREQ2	163	GND
14	XGNT1	64	AD38	114	XGNT2	164	AD39
15	GND	65	AD36	115	GND	165	AD37
16	AD28	66	AD34	116	AD31	166	AD35
17	AD26	67	AD32	117	AD29	167	AD33
18	AD26	68	GND	118	AD27	168	GND
19	AD24	69	PETXD	119	AD25	169	PERXD
20	GND	70	RSV	120	GND	170	RSV
21	AD22	71	OPMTCLK	121	AD23	171	OPMRCLK
22	AD20	72	OPMTXD	122	AD21	172	OPMRXD
23	AD18	73	OPMPREQ	123	AD19	173	RSV
24	AD16	74	RSV	124	AD17	174	RSV
25	GND	75	RSV	125	GND	175	RSV
26	C/BE2	76	RSV	126	C/BE3	176	RSV
27	C/BE0	77	GND	127	C/BE1	177	GND
28	XPICRESET	78	RSV	128	XPMB	178	RSV
29	XDEVSEL	79	RSV	129	XTRDY	179	RSV
30	XIRDY	80	RSV	130	XFRAME	180	RSV
31	XPERR	81	RSV	131	XSTOP	181	RSV
32	PA2	82	GND	132	XSSERR	182	GND
33	GND	83	RSV	133	GND	183	XGENDRY
34	AD14	84	RSV	134	AD15	184	XIPURDY
35	AD12	85	RSV	135	AD13	185	EXT0
36	AD10	86	RSV	136	AD11	186	EXT1
37	AD8	87	RSV	137	AD9	187	EXT2
38	GND	88	NRSYXD	138	GND	188	NRSST
39	AD6	89	NRSRXD	139	AD7	189	NRSCTS
40	AD4	90	XPWRCLK0	140	AD5	190	VOET EPCI
41	AD2	91	XPWRCLK1	141	AD3	191	RSV
42	AD0	92	RSV	142	AD1	192	PCL CLK3
43	GND	93	GND	143	GND	193	GND
44	C/BE6	94	PCLK1	144	C/BE7	194	PCLK2
45	C/BE4	95	GND	145	C/BE5	195	GND
46	64REQ	96	PCL CLK4	146	64ACK	196	PCL CLK5
47	64PAR	97	GND	147	PCL INTE	197	GND
48	GND	98	+12V	148	GND	198	+12V
49	AD82	99	+12V	149	AD83	199	+12V
50	AD80	100	+12V	150	AD81	200	+12V

ELECTRICAL COMPONENT LAYOUT (G180)



Symbol	Index No.	Description	P to P
Lamp			
L1	28	Fusing Lamp	A2 (1/2)
LPH			
LPH1 - 3	6	LPH1 - 3 (LED Print Head)	E1-3 (1/2)
Magnetic Clutches			
MC1	68	Cassette Feed Clutch	A5 (1/2)
MC2	21	Paper Registration Clutch	D3 (1/2)
MC3	64	Roll Feed Clutch 1	B9 (1/2)
MC4	65	Roll Feed Clutch 2	B9 (1/2)
MC5	23	Toner Supply Clutch	B4 (1/2)
Motors			
M1	67	Cassette Feed Motor	A5 (1/2)
M2	35	Cooling Fan Motor	D3 (1/2)
M3	63	Cutter Motor	B9 (1/2)
M4	22	Drum Motor	B6 (1/2)
M5	17	Fusing Motor	B6 (1/2)
M6	18	Main Motor	B6 (1/2)
M7	39	PCB Cooling Fan Motor1	D2 (1/2)
M8	43	PCB Cooling Fan Motor2	D2 (1/2)
M9	60	Roll Feed Motor	B9 (1/2)
M10	11	Used Toner Bottle Motor	B6 (1/2)
M11	4	Wire Cleaner Motor	B6 (1/2)
PCB			
PCB1	41	IPU (Image Processing Unit)	E4 (1/2)
PCB2	42	MCU (Main Control Unit)	C4 (1/2)
PCB3	7	Operation Panel	D4 (1/2)
PCB4	44	PSU (Power Supply Unit)	A1 (1/2)
PCB5	48	RFDB (Roll Feed Drive Board)	B8 (1/2)
PCB6	66	SFDB (Sheet Feed Drive Board)	A6 (1/2)
PCB7	38	Mother Board	F4 (1/2) /B11 (2/2)
PCB8	15	VDB (Video Drive Board)	E1 (1/2)
PCB9	46	Controller Board	C12 (2/2)
Power Packs			
PP1	12	CGB Power Pack	D6 (1/2)
PP2	36	T&S Power Pack	D6 (1/2)
QL			
QL1 - 3	1	Quenching Lamp (1:Left, 2:Center, 3:Right)	B5 (1/2)

Symbol	Index No.	Description	P to P
Sensors			
S1	70	Cassette End Sensor	A5 (1/2)
S2	69	Cassette Set Sensor	A5 (1/2)
S3	5	Exit Cover Sensor	B4 (1/2)
S4	27	Fusing Exit Sensor	B5 (1/2)
S5	24	ID Sensor	B5 (1/2)
S6	13	Paper Registration Sensor	B4 (1/2)
S7	14	Paper Set Sensor	B4 (1/2)
S8	71	Relay Sensor	A5 (1/2)
S9	59	RF Exit Sensor	A9 (1/2)
S10	61	RF Set Sensor	A9 (1/2)
S11	50	Roll End Sensor 1	A9 (1/2)
S12	51	Roll End Sensor 2	A9 (1/2)
S13	58	Roll End Sensor 3	A9 (1/2)
S14	57	Roll End Sensor 4	A9 (1/2)
S15	9	Toner Overflow Sensor	B4 (1/2)
S16	20	Upper Unit Sensor	D2 (1/2)
S17	2	Wire Cleaner Sensor	B5 (1/2)
Solenoids			
SOL1	3	Paper Junction Gate Solenoid	D3 (1/2)
SOL2	25	Pick-Off Pawl Solenoid	B5 (1/2)
Switches			
SW1	53	Dehumidifier Switch	A3 (1/2)
SW2	8	Exit Cover Switch	B3 (1/2)
SW3	19	Main Power Switch	B1 (1/2)
SW4	16	Toner Hopper Cover Switch	B3 (1/2)
SW5	10	Upper Unit Switch 1	B3 (1/2)
SW6	10	Upper Unit Switch 2	B3 (1/2)
SW7	62	Left Cutter HP Switch	A9 (1/2)
SW8	56	Right Cutter HP Switch	B9 (1/2)
SW9	29	Exit Unit Switch	D4 (1/2)

Symbol	Index No.	Description	P to P
Others			
CO1	40	Recycle Counter	D5 (1/2)
H1	54	Dehumidifier 1 (Front/Right)	A4 (1/2)
H2	55	Dehumidifier 2 (Front/Left)	A4 (1/2)
H3	49	Dehumidifier 3 (Rear/Right)	A4 (1/2)
H4	52	Dehumidifier 4 (Rear/Left)	A4 (1/2)
H5	37	Anti-Condensation Heater (Left)	A3 (1/2)
H6	34	Anti-Condensation Heater (Right)	A3 (1/2)
HDD1	45	HDD	B13 (2/2)
TH1	26	Hot Roller Thermistor	A3 (1/2)
TH2	31	Pressure Roller Thermistor 1 (End)	A3 (1/2)
TH3	32	Pressure Roller Thermistor 2 (Center)	A3 (1/2)
TS1	33	Thermostat 1 (199°C)	A2 (1/2)
TS2	30	Thermostat 2 (200°C)	A2 (1/2)
CB1	47	Circuit Breaker	B1 (1/2)