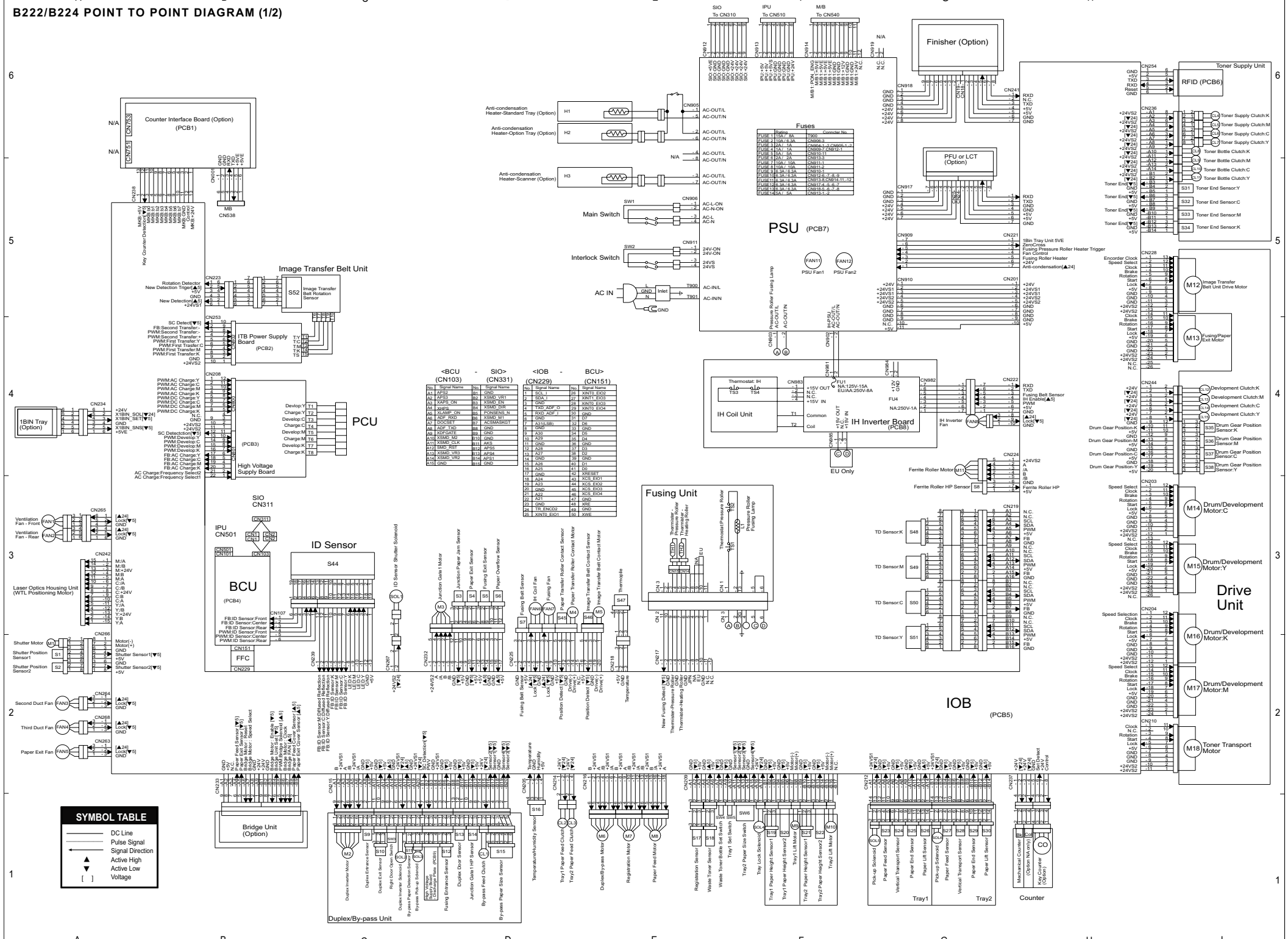
B222/B224 POINT TO POINT DIAGRAM (1/2)



B222/B224 POINT TO POINT DIAGRAM (2/2)

<DDR-SDRAM DIMM I/F> (CN101,102)

No.	Name	No.	Name	No.	Name	No.	Name
1	VREF	51	GND	101	MAB_SR(9)	151	MDT(42)
2	VREF	52	GND	102	MAB_SR(8)	152	MDT(46)
3	GND	53	MDT(19)	103	GND	153	MDT(43)
4	GND	54	MDT(23)	104	GND	154	MDT(47)
5	MDT(0)	55	MDT(24)	105	MAA_SR(7)	155	VCC2.5
6	MDT(4)	56	MDT(28)	106	MAA_SR(6)	156	VCC2.5
7	MDT(1)	57	VCC2.5	107	MAA_SR(5)	157	VCC2.5
8	MDT(5)	58	VCC2.5	108	MAA_SR(4)	158	CLKOTL(1)
9	VCC2.5	59	MDT(25)	109	MAA_SR(3)	159	GND
10	VCC2.5	60	MDT(29)	110	MAA_SR(2)	160	CLKOTH(1)
11	DQS_SR(0)	61	DQS_SR(3)	111	MAA_SR(1)	161	GND
12	DM_SR(0)	62	DM_SR(3)	112	MAA_SR(0)	162	GND
13	MDT(2)	63	GND	113	VCC2.5	163	MDT(48)
14	MDT(6)	64	GND	114	VCC2.5	164	MDT(52)
15	GND	65	MDT(26)	115	MAA_SR(10)	165	MDT(49)
16	GND	66	MDT(30)	116	MAA_SR(14)	166	MDT(53)
17	MDT(3)	67	MDT(27)	117	MAA_SR(13)	167	VCC2.5
18	MDT(7)	68	MDT(31)	118	_RASA_SR	168	VCC2.5
19	MDT(8)	69	VCC2.5	119	_WEA_SR	169	DQS_SR(6)
20	MDT(12)	70	VCC2.5	120	_CASA_SR	170	DM_SR(6)
21	VCC2.5	71	MECC_SR(0)	121	_CS_SR(0)	171	MDT(50)
22	VCC2.5	72	MECC_SR(4)	122	_CS_SR(1)	172	MDT(54)
23	MDT(9)	73	MECC_SR(1)	123	NC	173	GND
24	MDT(13)	74	MECC_SR(5)	124	NC	174	GND
25	DQS_SR(1)	75	GND	125	GND	175	MDT(51)
26	DM_SR(1)	76	GND	126	GND	176	MDT(55)
27	GND	77	DQS_SR(8)	127	MDT(32)	177	MDT(56)
28	GND	78	DM_SR(8)	128	MDT(36)	178	MDT(60)
29	MDT(10)	79	MECC_SR(2)	129	MDT(33)	179	VCC2.5
30	MDT(14)	80	MECC_SR(6)	130	MDT(37)	180	VCC2.5
31	MDT(11)	81	VCC2.5	131	VCC2.5	181	MDT(57)
32	MDT(15)	82	VCC2.5	132	VCC2.5	182	MDT(61)
33	VCC2.5	83	MECC_SR(3)	133	DQS_SR(4)	183	DQS_SR(7)
34	VCC2.5	84	MECC_SR(7)	134	DM_SR(4)	184	DM_SR(7)
35	CLKOTH(0)	85	NC	135	MDT(34)	185	GND
36	VCC2.5	86	NC	136	MDT(38)	186	GND
37	CLKOTL(0)	87	GND	137	GND	187	MDT(58)
38	GND	88	GND	138	GND	188	MDT(62)
39	GND	89	CLKOTH(2)	139	MDT(35)	189	MDT(59)
40	GND	90	GND	140	MDT(39)	190	MDT(63)
41	MDT(16)	91	CLKOTL(2)	141	MDT(40)	191	VCC2.5
42	MDT(20)	92	VCC2.5	142	MDT(44)	192	VCC2.5
43	MDT(17)	93	VCC2.5	143	VCC2.5	193	SMBUSD
44	MDT(21)	94	VCC2.5	144	VCC2.5	194	SA0
45	VCC2.5	95	_CKEA_SR(1)	145	MDT(41)	195	SMBUSC
46	VCC2.5	96	_CKEA_SR(0)	146	MDT(45)	196	SA1
47	DQS_SR(2)	97	A13:NC	147	DQS_SR(5)	197	VCC2.5
48	DM_SR(2)	98	NC	148	DM_SR(5)	198	SA2
49	MDT(18)	99	MAB_SR(12)	149	GND	199	VDDID
50	MDT(22)	100	MAB_SR(11)	150	GND	200	NC

<MB(CN531) - CTL(CN100)>

No.	Name	No.	Name	No.	Name	No.	Name
1	+5VE	51	PCIAD58	101	+5VE	151	PCIAD59
2	+5VE	52	PCIAD56	102	+5VE	152	PCIAD57
3	+5VE	53	GND	103	+5VE	153	GND
4	+5VE	54	PCIAD54	104	+5VE	154	PCIAD55
5	+5VE	55	PCIAD52	105	+5VE	155	PCIAD53
6	+5VE	56	PCIAD50	106	+5VE	156	PCIAD51
7	+5VE	57	PCIAD48	107	+5VE	157	PCIAD49
8	+5V	58	GND	108	+5VE	158	GND
9	INTD!	59	PCIAD46	109	INTC!	159	PCIAD47
10	INTA!	60	PCIAD44	110	INTB!	160	PCIAD45
11	NC(REQ6!)	61	PCIAD42	111	REQ3!	161	PCIAD43
12	NC(GNT6!)	62	PCIAD40	112	GNT3!	162	PCIAD41
13	REQ1!	63	GND	113	REQ2!	163	GND
14	GNT1!	64	PCIAD38	114	GNT2!	164	PCIAD39
15	GND	65	PCIAD36	115	GND	165	PCIAD37
16	PCIAD30	66	PCIAD34	116	PCIAD31	166	PCIAD35
17	PCIAD28	67	PCIAD32	117	PCIAD29	167	PCIAD33
18	PCIAD26	68	GND	118	PCIAD27	168	GND
19	PCIAD24	69	PETXD	119	PCIAD25	169	PERXD
20	GND	70	PONSENS!	120	GND	170	INTF!
21	PCIAD22	71	OP_TCLK	121	PCIAD23	171	OP2_RCLK
22	PCIAD20	72	OP2_TXD	122	PCIAD21	172	OP2_RXD
23	PCIAD18	73	OP2_REQ	123	PCIAD19	173	NC(SD_CMDDIR)
24	PCIAD16	74	REQ5	124	PCIAD17	174	NC(SD_DTDIR)
25	GND	75	NC(SD_DT_EN!)	125	GND	175	GNT5
26	C_BE2!	76	NC(SD_CMD_EN!)	126	C_BE3!	176	PCLKE6
27	C_BE0!	77	GND	127	C_BE1!	177	GND
28	PCIRST!	78	NC(SDCLK!)	128	PME!	178	NC(SD-DT0)
29	DEVSEL!	79	NC(SDCD!)	129	TRDY!	179	NC(SD-DT1)
30	IRDY!	80	NC(SD_CMD!)	130	FRAME!	180	NC(SD-DT2)
31	PERR!	81	NC(SDWP!)	131	STOP!	181	NC(SD-DT3)
32	PAR	82	GND	132	SERR!	182	GND
33	GND	83	NC(OP4_CLK)	133	GND	183	ENGRDY1!
34	PCIAD14	84	NC(OP4_CS!)	134	PCIAD15	184	ENGRDY2!
35	PCIAD12	85	NC(OP4_SDA)	135	PCIAD13	185	PW_SW!
36	PCIAD10	86	NC(OP4_IRQ!)	136	PCIAD11	186	WKUP_L!
37	PCIAD8	87	NC(OP4_ONLINE_LED_ON!)	137	PCIAD9	187	WKUP_E
38	GND	88	CSSTXD	138	GND	188	NC(OP4_RST!)
39	PCIAD6	89	CSSRXD	139	PCIAD7	189	RESERVED
40	PCIAD4	90	PONENG!	140	PCIAD5	190	VDET_EPCI
41	PCIAD2	91	PONPCI!	141	PCIAD3	191	+3.3VE
42	PCIAD0	92	PSAVE_FCU	142	PCIAD1	192	PCLKE3
43	GND	93	GND	143	GND	193	GND
44	C_BE6!	94	PCLKE1	144	C_BE7!	194	PCLKE2
45	C_BE4!	95	GND	145	C_BE5!	195	GND
46	64REQ!	96	PCLKE4	146	64ACK!	196	NC(PCLKE5)
47	64PAR	97	GND	147	NC(INTE!)	197	GND
48	GND	98	+12V	148	GND	198	+12V
49	PCIAD62	99	+12V	149	PCIAD63	199	+12V
50	PCIAD60	100	+12V	150	PCIAD61	200	+12V

<SIO - BCU> (CN311) - (CN103)

No.	Name
A1	GND
A2	XSMD_VR2
A3	XSMD_VR3
A4	SMD_RST
A5	XSMD_CLK
A6	XSMD_M2
A7	XDFGATE
A8	TXD
A9	DOCSET
A10	RXD
A11	LAMPON
A12	XHPS
A13	APSON
A14	APS3
A15	APS2
B1	GND
B2	APS1
B3	APS4
B4	APS5
B5	AKS
B6	GND
B7	GND
B8	GND
B9	ACSMASKGT
B10	XSMD_M1
B11	PONSENS_N
B12	XSMD_DIR
B13	XSMD_EN
B14	XSMD_VR1
B15	GND

<SBU - IPU> (CN300) - (CN509)

No.	Name
A1	GND
A2	XSLSYNC
A3	XSLEAD
A4	SYDO
A5	XSYCS
A6	TA2+
A7	TB2+
A8	TC2+
A9	LVDSCK2+
A10	GND
A11	TB1+
A12	TC1+
A13	LVDSCK1+
A14	GND
A15	GND
B1	XCNSBU
B2	GND
B3	LVDSCK1-
B4	TC1-
B5	TB1-
B6	GND
B7	LVDSCK2-
B8	TC2-
B9	TB2-
B10	TA2-
B11	SYCLK
B12	SYDI
B13	GND
B14	XSFGATE
B15	GND

<Copy Data Security Unit> CN508(IPU)

No.	Name	No.	Name
1	GND	31	5V
2	A30	32	5V
3	XCSICIB	33	5V
4	XRD	34	GND
5	IPU_D(0)	35	GND
6	IPU_D(2)	36	XCNICIB
7	IPU_D(4)	37	XIFGATE
8	IPU_D(6)	38	XILSYNC
9	GND	39	IPUCLK0_O
10	ICIB_INT	40	D0_G(0)
11	P.D	41	D0_G(2)
12	GND	42	GND
13	N.C.	43	D0_G(5)
14	N.C.	44	D0_G(7)
15	N.C.	45	N.C.
16	N.C.	46	N.C.
17	GND	47	GND
18	D0_G(6)	48	N.C.
19	D0_G(4)	49	N.C.
20	D0_G(3)	50	P.D
21	D0_G(1)	51	P.D
22	GND	52	XIPURST0
23	GND	53	IPU_D(7)
24	GND	54	IPU_D(5)
25	3.3V	55	IPU_D(3)
26	GND	56	IPU_D(1)
27	GND	57	GND
28	GND	58	XWS
29	5V	59	GND
30	5V	60	A31

<HDD>(CN113,114)

No.	Name
1	XIDE1RST
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	KEYPIN
21	IDE1DRQ
22	GND
23	XIDE1IOW
24	GND
25	XIDE1IOR
26	GND
27	IDE1IORDY
28	CSEL
29	XIDE1DACK
30	GND
31	IDE1INT
32	RESERVED
33	IDE1AD1
34	XPDIAG
35	IDE1AD0
36	IDE1AD2
37	XIDE1CS0
38	XIDE1CS1
39	XDASP
40	GND

<ETHER> (CN103)

No.	Name
1	RX+
2	RX-
3	N.C.
4	N.C.
5	TX+
6	TX-
7	N.C.
8	N.C.
9	LINK_LED-
10	LINK_LED+
11	SPEED LED-
12	SPEED LED+

<SD-CARD I/F> (CN106,107,108)

No.	Name
1	SD1_DT(3)
2	SD_CMD(1)
3	GND
4	3VDUAL
5	SDCLK1
6	GND
7	SD1_DT(0)
8	SD1_DT(1)
9	SD1_DT(2)
10	-SD_CD(1)
11	GND
12	-SD_WP(1)

<USB Host> (CN105)

No.	Name
1	VBUS
2	D+
3	D-
4	VGND

<I/F Card Slot D>(CN533)

No.	Name	No.	Name
A1	NC(3.3VE)	B1	5VEP
A2	5VEP	B2	5VEP
A3	5VEP	B3	5VEP
A4	GND	B4	GND
A5	NC(3.3VEP)	B5	NC(3.3VEP)
A6	NC(3.3VEP)	B6	NC(3.3VEP)
A7	NC(3.3VEP)	B7	NC(3.3VEP)
A8	PCIREQ3#	B8	IDSEL2
A9	PCIGNT3#	B9	(RESERVE)
A10	GND	B10	GND
A11	PCIINTC#	B11	(RESERVE)
A12	PCIPME#	B12	(RESERVE)
A13	GND	B13	GND
A14	PCLK_VL3	B14	(RESERVE)
A15	GND	B15	GND
A16	(RESERVE)	B16	RST#
A17	(RESERVE)	B17	VDET_EPCI
A18	AD(30)	B18	AD(31)
A19	AD(28)	B19	AD(29)
A20	GND	B20	GND
A21	AD(26)	B21	AD(27)
A22	AD(24)	B22	AD(25)
A23	(RESERVE)	B23	CMD(3)
A24	AD(22)	B24	AD(23)
A25	GND	B25	GND
A26	AD(20)	B26	AD(21)
A27	AD(18)	B27	AD(19)
A28	AD(16)	B28	AD(17)
A29	PCIFRAME#	B29	CMD(2)
A30	GND	B30	GND
A31	PCITRDY#	B31	PCIIRDY#
A32	PCISTOP#	B32	PCIDEVSEL#
A33	PCISERR#	B33	PCIPERR#
A34	CMD(1)	B34	PAR
A35	GND	B35	GND
A36	AD(14)	B36	AD(15)
A37	AD(12)	B37	AD(13)
A38	AD(10)	B38	AD(11)
A39	AD(8)	B39	AD(9)
A40	GND	B40	GND
A41	AD(7)	B41	CMD(0)
A42	AD(5)	B42	AD(6)
A43	AD(3)	B43	AD(4)
A44	AD(1)	B44	AD(2)
A45	GND	B45	GND
A46	PCI64ACK#	B46	AD(0)
A47	CMD(7)	B47	PCI64REQ#
A48	CMD(5)	B48	CMD(6)
A49	PCI64PAR	B49	CMD(4)
A50	GND	B50	GND
A51	AD(62)	B51	AD(63)
A52	AD(60)	B52	AD(61)
A53	AD(58)	B53	AD(59)
A54	AD(56)	B54	AD(57)
A55	GND	B55	GND
A56	AD(54)	B56	AD(55)
A57	AD(52)	B57	AD(53)
A58	AD(50)	B58	AD(51)
A59	AD(48)	B59	AD(49)
A60	GND	B60	GND
A61	AD(46)	B61	AD(47)
A62	AD(44)	B62	AD(45)
A63	AD(42)	B63	AD(43)
A64	AD(40)	B64	AD(41)
A65	GND	B65	GND
A66	AD(38)	B66	AD(39)
A67	AD(36)	B67	AD(37)
A68	AD(34)	B68	AD(35)
A69	AD(32)	B69	AD(33)
A70	GND	B70	GND

<IPU - MB> (CN500) - (CN532)

No.	Name	No.	Name
1	GND	71	GND
2	PCI_AD32	72	PCI_AD33
3	PCI_AD34	73	PCI_AD35
4	PCI_AD36	74	PCI_AD37
5	PCI_AD38	75	PCI_AD39
6	GND	76	GND
7	PCI_AD40	77	PCI_AD41
8	PCI_AD42	78	PCI_AD43
9	PCI_AD44	79	PCI_AD45
10	PCI_AD46	80	PCI_AD47
11	GND	81	GND
12	PCI_AD48	82	PCI_AD49
13	PCI_AD50	83	PCI_AD51
14	PCI_AD52	84	PCI_AD53
15	PCI_AD54	85	PCI_AD55
16	GND	86	GND
17	PCI_AD56	87	PCI_AD57
18	PCI_AD58	88	PCI_AD59
19	PCI_AD60	89	PCI_AD61
20	PCI_AD62	90	PCI_AD63
21	GND	91	GND
22	PCI_PAR64	92	PCI_CBE 4
23	PCI_CBE 5	93	PCI_CBE 6
24	PCI_CBE 7	94	REQ64_N
25	ACK64_N	95	PCI_AD0
26	GND	96	GND
27	PCI_AD1	97	PCI_AD2
28	PCI_AD3	98	PCI_AD4
29	PCI_AD5	99	PCI_AD6
30	PCI_AD7	100	PCI_CBE 0
31	GND	101	GND
32	PCI_AD8	102	PCI_AD9
33	PCI_AD10	103	PCI_AD11
34	PCI_AD12	104	PCI_AD13
35	PCI_AD14	105	PCI_AD15
36	GND	106	GND
37	PCI_CBE 1	107	PCI_PAR_N
38	PCI_SR_N	108	PCI_PR_N
39	PCI_SP_N	109	PCI_DEV_N
40	PCI_TRY	110	PCI_IRY_N
41	GND	111	GND
42	PCI_FM	112	PCI_CBE 2
43	PCI_AD16	113	PCI_AD17
44	PCI_AD18	114	PCI_AD19
45	PCI_AD20	115	PCI_AD21
46	GND	116	GND
47	PCI_AD22	117	PCI_AD23
48	PCI_IDSEL1	118	PCI_CBE 3
49	PCI_AD24	119	PCI_AD25
50	PCI_AD26	120	PCI_AD27
51	GND	121	GND
52	PCI_AD28	122	PCI_AD29
53	PCI_AD30	123	PCI_AD31
54	PCI_REQ_N	124	PCI_GNT_N
55	PCI_INT	125	P_RST_N
56	GND	126	GND
57	PCI_CLK	127	GND
58	GND	128	GND
59	PONSENS	129	ENGRDY_N
60	WKUP_E	130	WKUP_L
61	GND	131	GND
62	PONPCI	132	VDET_PCI
63	GND	133	NC
64	GND	134	GND
65	NC	135	NC
66	5V	136	5V
67	GND	137	GND
68	5VE	138	5VE
69	5VE	139	5VE
70	5VE	140	5VE

<IPU - BCU> (CN501) (CN101)

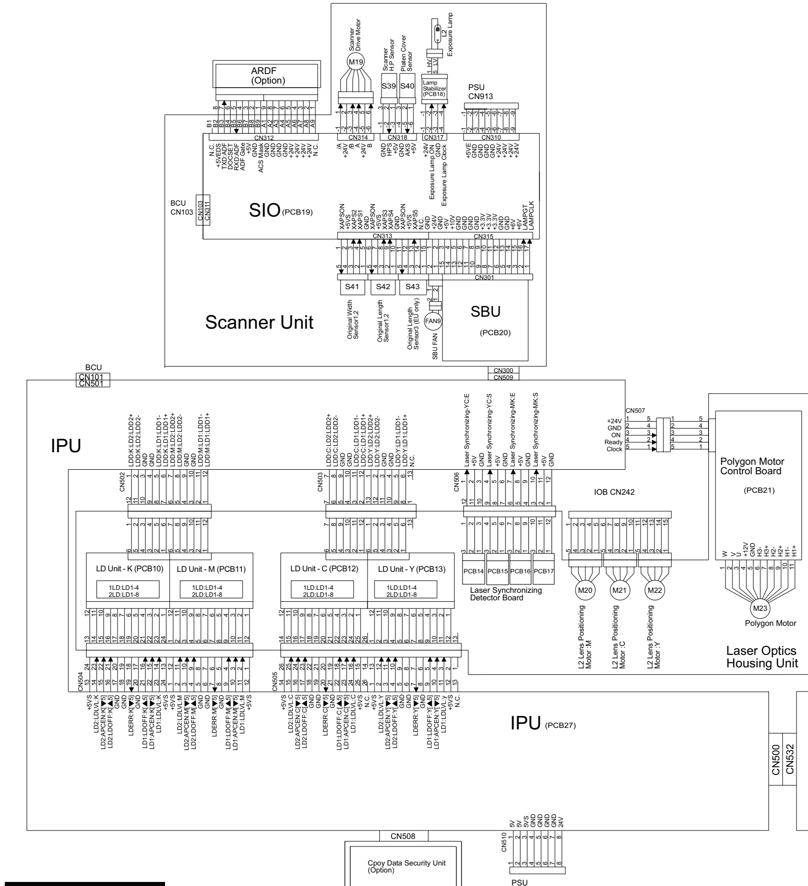
No.	Name	No.	Name
1	3.3VE_RST_N	41	IPU_A31
2	SBU_SYDO	42	IPU_A30
3	SBU_SYDI	43	IPU_A29
4	SBU_SYCLK	44	IPU_A28
5	SBU_SYCS_N	45	IPU_A27
6	GAVD_SYHS_N	46	IPU_A26
7	GAVD_SYDO	47	IPU_A25
8	GAVD_SYDI	48	IPU_A24
9	GAVD_SYCLK	49	IPU_A23
10	GAVD_SYCS_N	50	IPU_A22
11	IPU_IRQ1_N	51	IPU_A21
12	GND	52	IPU_A20
13	GND	53	IPU_D7
14	GND	54	IPU_D6
15	GND	55	IPU_D5
16	GND	56	IPU_D4
17	GND	57	IPU_D3
18	1.8V	58	IPU_D2
19	1.8V	59	IPU_D1
20	1.8V	60	IPU_D0
21	1.8V	61	IPU_RST_N
22	3.3V	62	IPU_WR_N
23	5V	63	IPU_RD_N
24	3.3V	64	LUPUS_CS_N
25	5V	65	PONSENS_N
26	3.3V	66	GND
27	5V	67	ICIB_CS_N
28	GND	68	IPU_A19
29	GND	69	IPU_A18
30	GND	70	IPU_A17
31	IPU_D15	71	IPU_A16
32	IPU_D14	72	IPU_IRQ2_N
33	IPU_D13	73	XSLEAD
34	IPU_D12	74	XSSCAN
35	IPU_D11	75	IPU_DIR
36	IPU_D10	76	RI20_CS_N
37	IPU_D9	77	ORION_CS_N
38	IPU_D8	78	ACSMASKGT
39	TAURUS2_CS_N	79	AKS
40	TAURUS1_CS_N	80	DOCSET

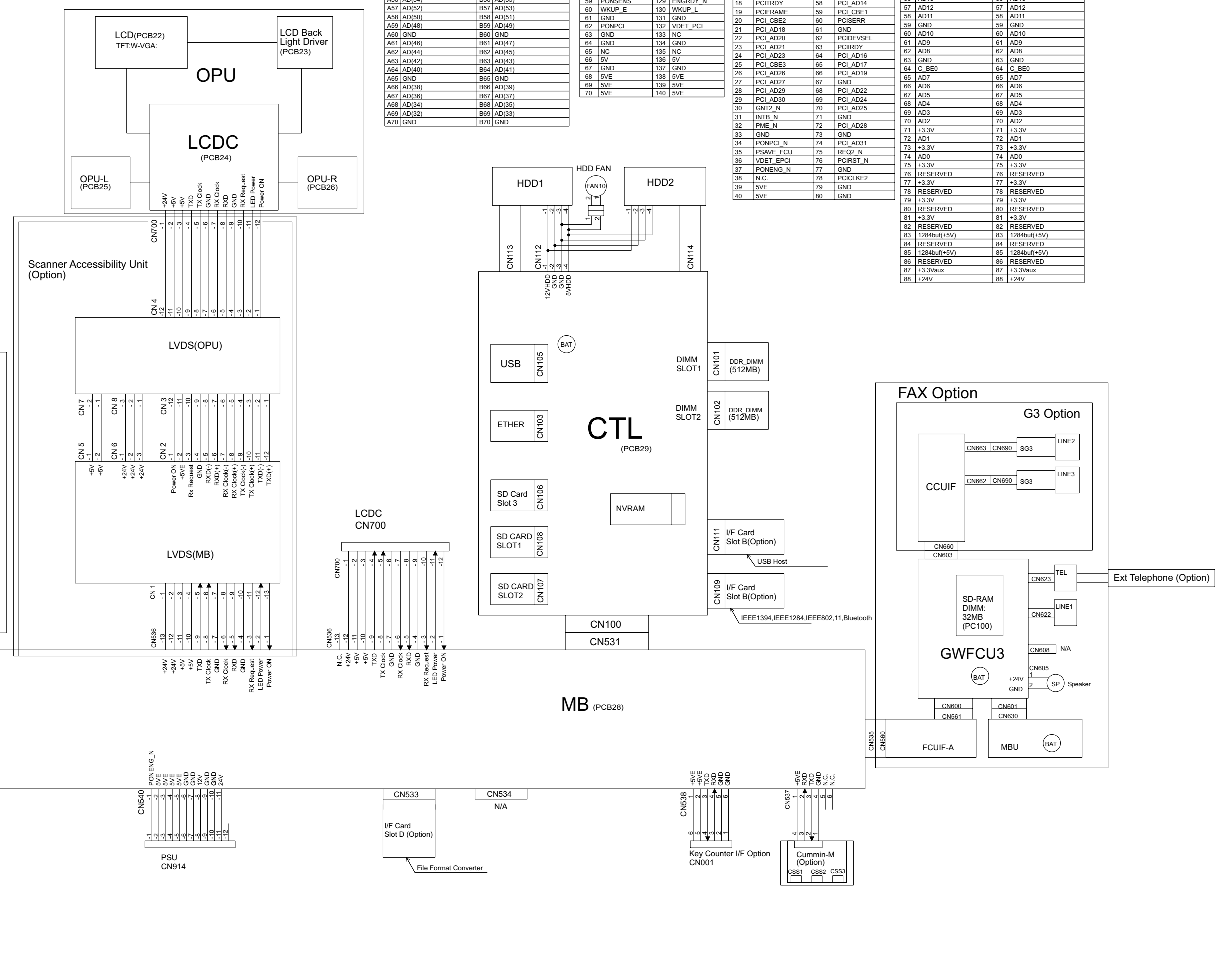
MB(CN535) - FCUIF-A(CN560)>

No.	Name	No.	Name
1	NC	41	24V
2	NC	42	24V
3	GND	43	N.C.
4	PCI_AD2	44	N.C.
5	PCI_AD3	45	PCI_AD0
6	GND	46	GND
7	PCI_AD5	47	GND
8	PCI_AD7	48	PCI_AD1
9	PCI_CBE0	49	GND
10	PCI_AD10	50	RESERVE
11	PCI_AD11	51	PCI_AD4
12	PCI_AD13	52	PCI_AD6
13	GND	53	PCI_AD8
14	PCI_AD15	54	PCI_AD9
15	PAR	55	GND
16	PCIPERR	56	PCI_AD12
17	PCISTOP	57	GND
18	PCITRDY	58	PCI_AD14
19	PCIFRAME	59	PCI_CBE1
20	PCI_CBE2	60	PCISERR
21	PCI_AD18	61	GND
22	PCI_AD20	62	PCIDEVSEL
23	PCI_AD21	63	PCIIRDY
24	PCI_AD23	64	PCI_AD16
25	PCI_CBE3	65	PCI_AD17
26	PCI_AD26	66	PCI_AD19
27	PCI_AD27	67	GND
28	PCI_AD29	68	PCI_AD22
29	PCI_AD30	69	PCI_AD24
30	GNT2_N	70	PCI_AD25
31	INTB_N	71	GND
32	PME_N	72	PCI_AD28
33	GND	73	GND
34	PONPCI_N	74	PCI_AD31
35	PSAVE_FCU	75	REQ2_N
36	VDET_EPCI	76	PCIRST_N
37	PONENG_N	77	GND
38	N.C.	78	PCICLKE2
39	5VE	79	GND
40	5VE	80	GND

<I/F Card Slot A,B>(CN109,111)

No.	Name(#1)	No.	Name(#2)
1	GND	1	GND
2	INTA_SL1#	2	INTA_SL2#
3	GND	3	GND
4	RESERVED	4	RESERVED
5	GND	5	GND
6	CLKRUN	6	CLKRUN
7	GND	7	GND
8	RST#	8	RST#
9	GND	9	GND
10	PCLK_SL1	10	PCLK_SL2
11	GND	11	GND
12	GNT_SL1#	12	GNT_SL2#
13	GND	13	GND
14	REQ_SL1#	14	REQ_SL2#
15	GND	15	GND
16	PME#	16	PME#
17	AD31	17	AD31
18	AD30	18	AD30
19	AD29	19	AD29
20	AD28	20	AD28
21	AD27	21	AD27
22	AD26	22	AD26
23	GND	23	GND
24	AD25	24	AD25
25	AD24	25	AD24
26	C_BE3	26	C_BE3
27	GND	27	GND
28	IDSEL_SL1	28	IDSEL_SL2
29	AD23	29	AD23
30	AD22	30	AD22
31	GND	31	GND
32	AD21	32	AD21
33	AD20	33	AD20
34	AD19	34	AD19
35	GND	35	GND
36	AD18	36	AD18
37	AD17	37	AD17
38	AD16	38	AD16
39	GND	39	GND
43	C_BE2	40	C_BE2
41	FRAME#	41	FRAME#
42	IRDY#	42	IRDY#
43	GND	43	GND
44	TRDY#	44	TRDY#
45	DEVSEL#	45	DEVSEL#
46	STOP#	46	STOP#
47	GND	47	GND
48	PERR#	48	PERR#
49	SERR	49	SERR
50	PAR	50	PAR
51	GND	51	GND
52	C_BE1	52	C_BE1
53	AD15	53	AD15
54	AD14	54	AD14
55	GND	55	GND
56	AD13	56	AD13
57	AD12	57	AD12
58	AD11	58	AD11
59	GND	59	GND
60	AD10	60	AD10
61	AD9	61	AD9
62	AD8	62	AD8
63	GND	63	GND
64	C_BE0	64	C_BE0
65	AD7	65	AD7
66	AD6	66	AD6
67	AD5	67	AD5
68	AD4	68	AD4
69	AD3	69	AD3
70	AD2	70	AD2
71	+3.3V	71	+3.3V
72	AD1	72	AD1
73	+3.3V	73	+3.3V
74	AD0	74	AD0
75	+3.3V	75	+3.3V
76	RESERVED	76	RESERVED
77	+3.3V	77	+3.3V
78	RESERVED	78	RESERVED
79	+3.3V	79	+3.3V
80	RESERVED	80	RESERVED
81	+3.3V	81	+3.3V
82	RESERVED	82	RESERVED
83	1284buf(+5V)	83	1284buf(+5V)
84	RESERVED	84	RESERVED
85	1284buf(+5V)	85	1284buf(+5V)
86	RESERVED	86	RESERVED
87	+3.3Vaux	87	+3.3Vaux
88	+24V	88	+24V





SYMBOL TABLE

(line)	DC Line
(line)	Pulse Signal
(arrow)	Signal Direction
▲	Active High
▼	Active Low
[ ]	Voltage

B222/B224 ELECTRICAL COMPONENT LAYOUT (1/2)

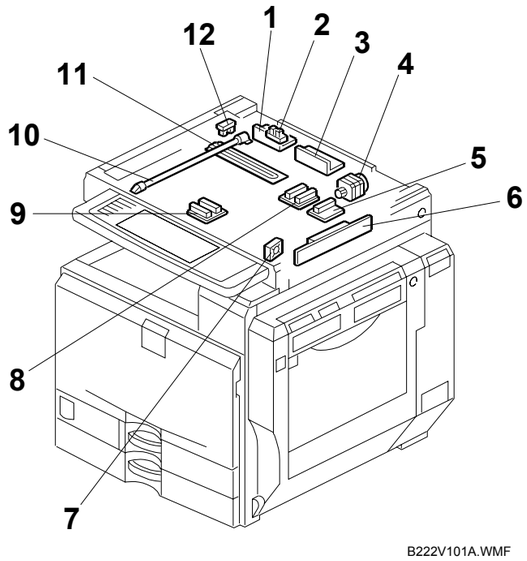


Fig-1

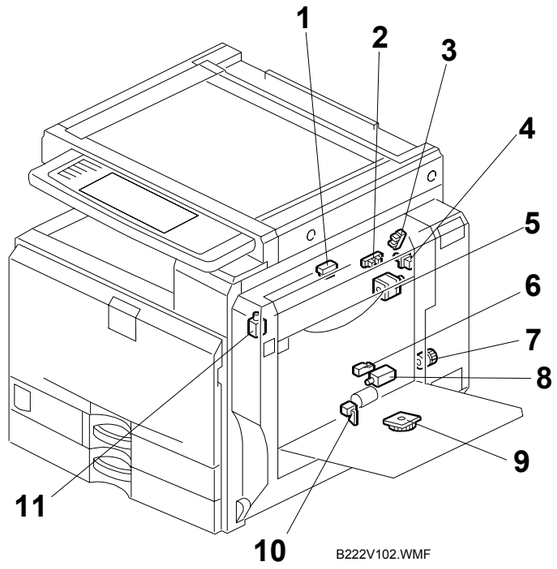


Fig-2

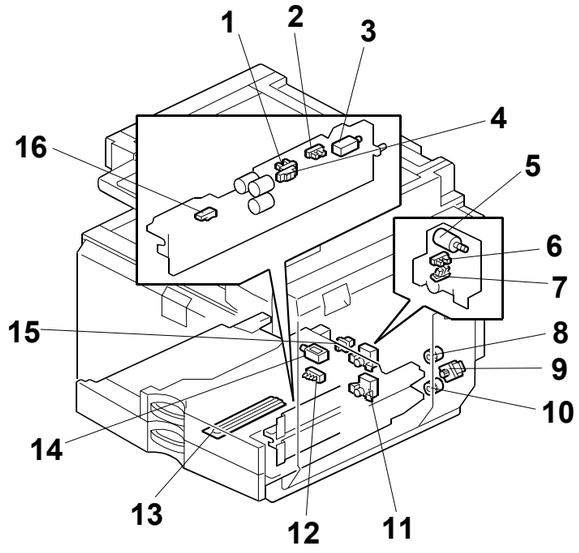


Fig-3

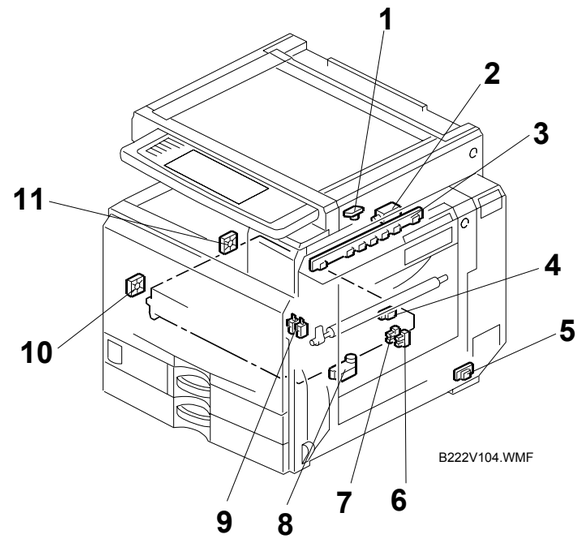


Fig-4

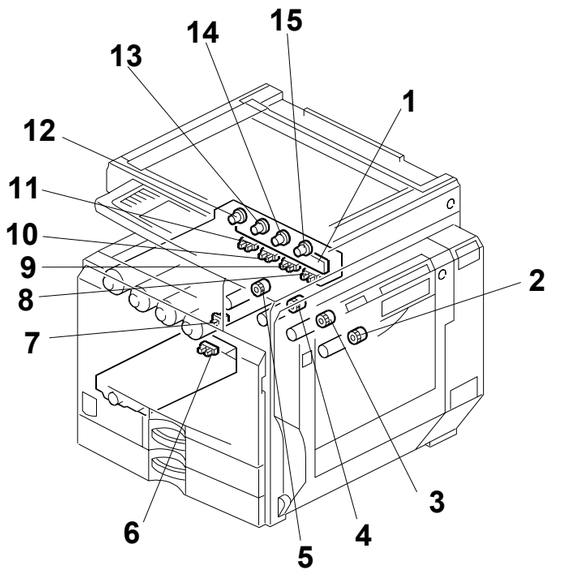


Fig-5

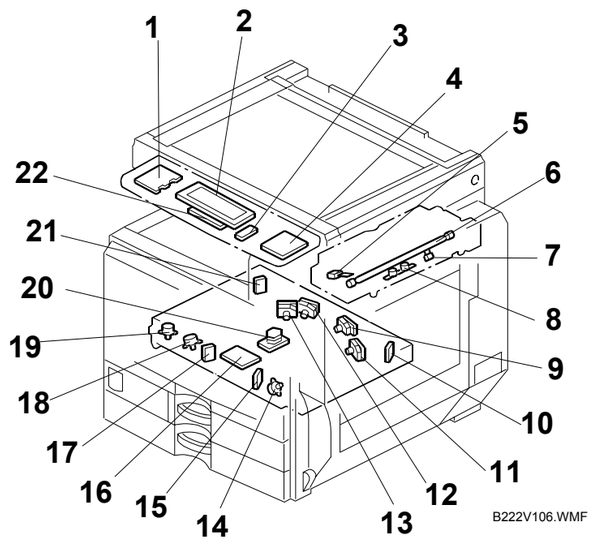


Fig-6

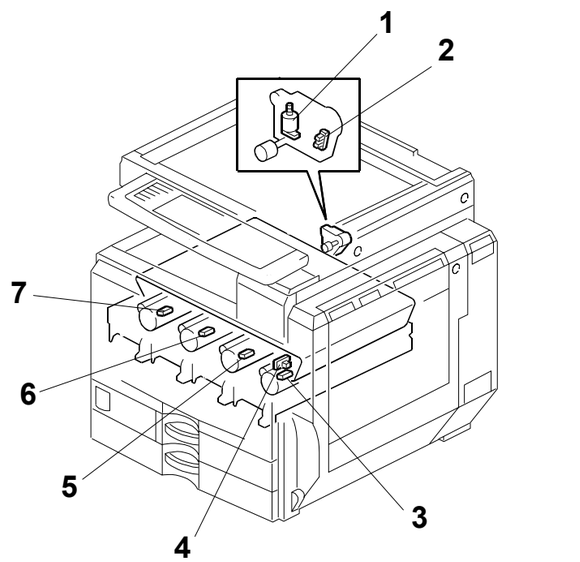


Fig-7

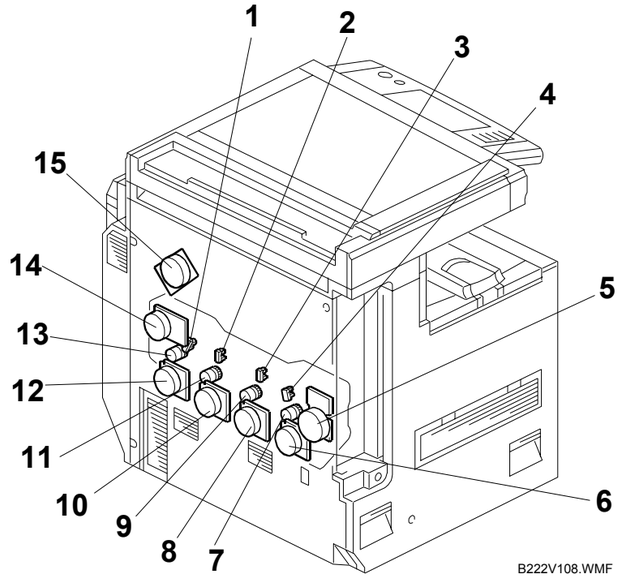
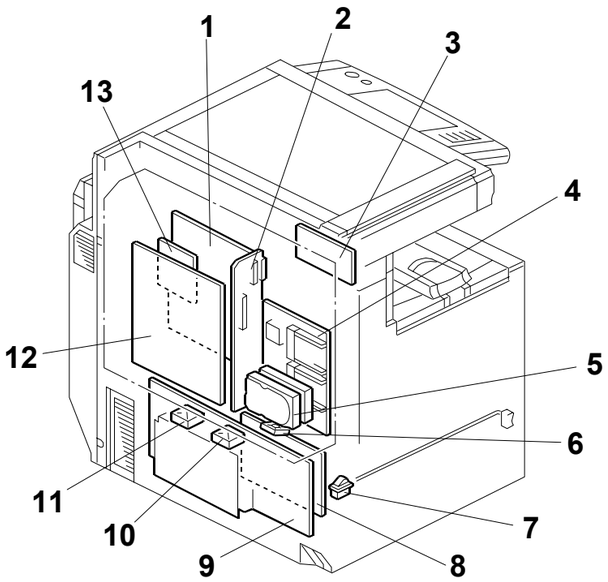


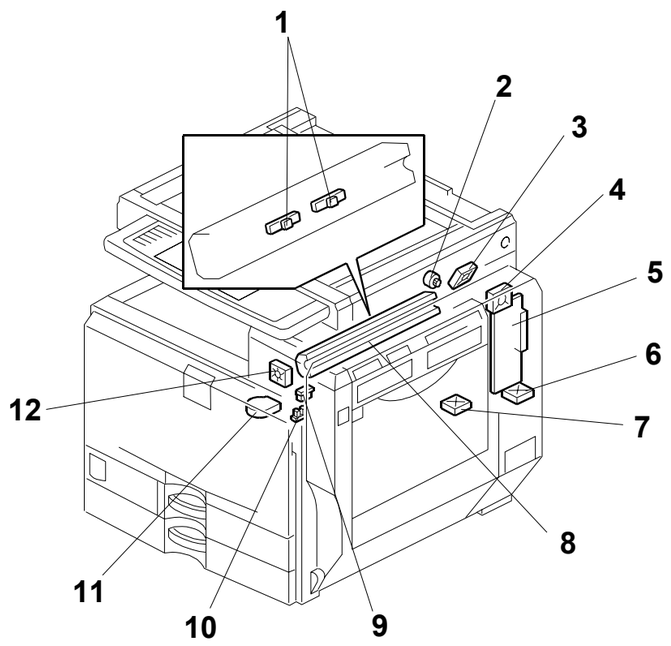
Fig-8

B222/B224 ELECTRICAL COMPONENT LAYOUT (2/2)



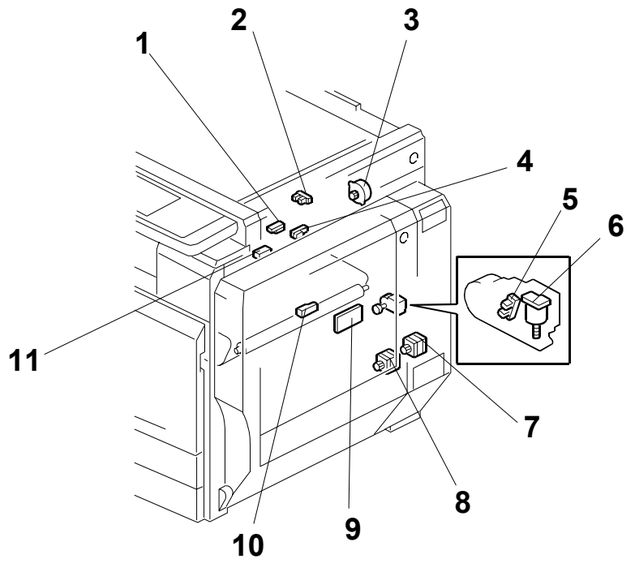
B222V109A.WMF

Fig-9



B222V110.WMF

Fig-10



B222V111.WMF

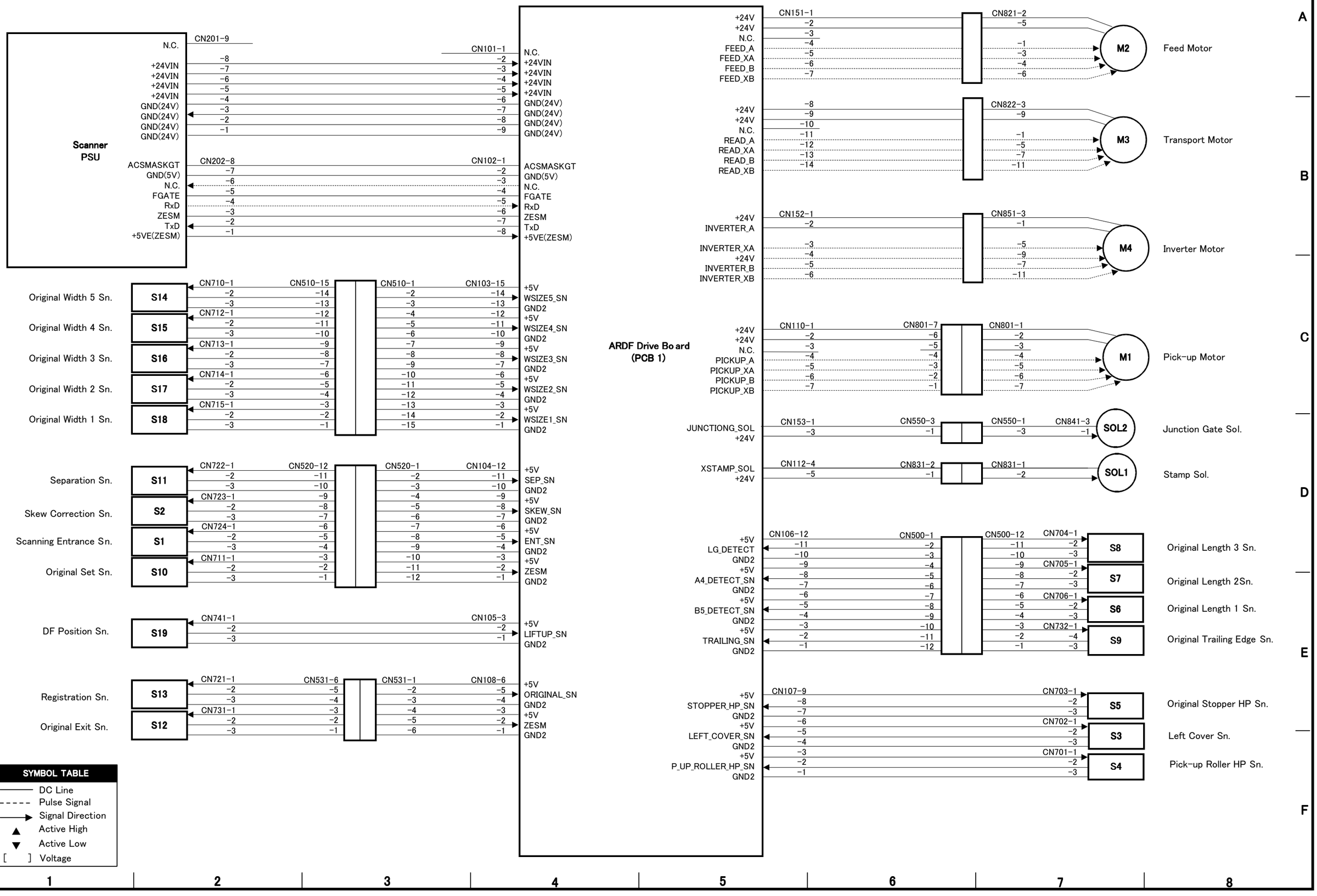
Fig-11

Symbol	Index No.	Description	P to P
PCBs			
PCB1	-	Counter Interface Board	B6
PCB2	9-3	ITB Power Supply Board	B4
PCB3	9-8	High Voltage Supply Board	B4
PCB4	9-13	BCU	B3
PCB5	9-12	IOB	G2
PCB6	5-1	RFID	I6
PCB7	9-9	PSU	F5
PCB8	10-5	IH Inverter Board	G4
PCB9	11-9	High Voltage Supply Board - Discharge Plate	C1
PCB10	6-9	LD Unit-K	A8
PCB11	6-11	LD Unit-M	B8
PCB12	6-12	LD Unit-C	B8
PCB13	6-13	LD Unit-Y	B8
PCB14	6-21	Laser Synchronizing Detector Board-YC-E	C8
PCB15	6-17	Laser Synchronizing Detector Board-YC-S	C8
PCB16	6-15	Laser Synchronizing Detector Board-MK-E	C8
PCB17	6-10	Laser Synchronizing Detector Board-MK-S	C8
PCB18	1-1	Lamp Stabilizer	B10
PCB19	1-3	SIO	B10
PCB20	1-6	SBU	C9
PCB21	6-16	Polygon Motor Control Board	D9
PCB22	6-2	LCD	E10
PCB23	6-3	LCD Back Light Driver	E10
PCB24	6-22	LCDC	E10
PCB25	6-1	OPU-L	D10
PCB26	6-4	OPU-R	E10
PCB27	9-1	IPU	C8
PCB28	9-2	MB	G8
PCB29	9-4	CTL	G9
Heaters			
H1	3-13	Anti-condensation Heater - Standard Tray (Option)	D6
H2	3-13	Anti-condensation Heater - Option Tray (Option)	D6
H3	1-11	Anti-condensation Heater - Sccaner (Option)	D5

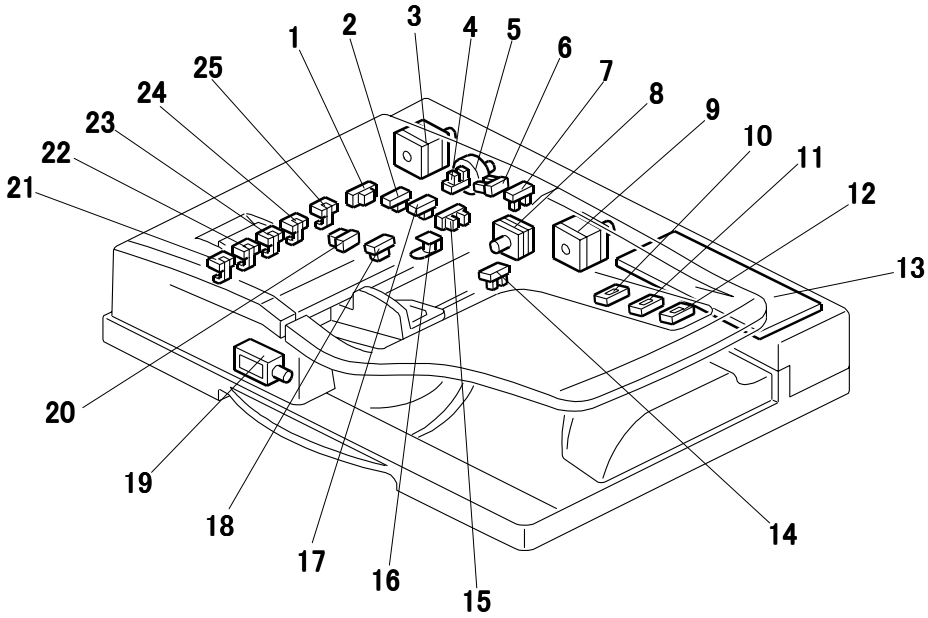
Symbol	Index No.	Description	P to P
Sensors			
S1	4-6	Shutter Position1	A2
S2	4-7	Shutter Position2	A2
S3	11-4	Junction Paper Jam	D3
S4	11-1	Paper Exit	D3
S5	11-11	Fusing Exit	D3
S6	11-2	Paper Overflow	D3
S7	10-9	Fusing Belt	D3
S8	10-10	Ferrite Roller HP	G3
S9	2-1	Duplex Entrance	C1
S10	2-6	Duplex Exit	C1
S11	2-10	By-pass Paper detection	C1
S12	11-10	Fusing Entrance	D1
S13	2-2	Duplex Door	D1
S14	2-3	Junction Gate1 HP	D1
S15	2-9	By-pass Paper Size	D1
S16	4-5	Temperature/Humidity	D1
S17	4-4	Registration	E1
S18	5-6	Waste Toner	E1
S19	3-6	Tray1 Paper Height Sensor1	F1
S20	3-7	Tray1 Paper Height Sensor2	F1
S21	6-11	Tray2 Paper Height Sensor1	F1
S22	6-11	Tray2 Paper Height Sensor2	F1
S23	3-16	Tray1 Paper Feed	G1
S24	3-4	Tray1 Vertical Transport	G1
S25	3-1	Tray1 Paper End	G1
S26	3-2	Tray1 Paper Lift	G1
S27	3-16	Tray2 Paper feed	G1
S28	3-4	Tray2 Vertical Transport	G1
S29	3-1	Tray2 Paper End	G1
S30	3-2	Tray2 Paper Lift	G1
S31	5-10	Toner End Sensor:Y	I5
S32	5-8	Toner End Sensor:C	I5
S33	5-9	Toner End Sensor:M	I5
S34	5-11	Toner End Sensor:K	I5
S35	8-1	Drum Gear Position Sensor:K	I4
S36	8-2	Drum Gear Position Sensor:M	I4
S37	8-3	Drum Gear Position Sensor:C	I4
S38	8-4	Drum Gear Position Sensor:Y	I4
S39	1-12	Scanner H.P	B10
S40	1-2	Platen Cover	B10
S41	1-9	Original Width Sensor1,2	B10
S42	1-8	Original Length Sensor1,2	B10
S43	1-5	Original Length Sensor3	B10
S44	4-3	ID Sensor	C3
S45	11-5	Paper Transfer Roller Contact	D3
S46	7-2	Image Transfer Belt Contact	E3
S47	4-1	Thermopile	E3
S48	7-3	TD Sensor:K	G3
S49	7-5	TD Sensor:M	G3
S50	7-6	TD Sensor:C	G3
S51	7-7	TD Sensor:Y	G3
S52	7-4	Image Transfer Belt Rotation	C5
FANs			
FAN1	4-10	Ventilation Fan - Front	A3
FAN2	4-11	Ventilation Fan - Rear	A3
FAN3	10-3	Second Duct	A2
FAN4	10-7	Third Duct	A2
FAN5	10-12	Paper Exit	A2
FAN6	10-11	IH Coil	D3
FAN7	10-4	Fusing	D3
FAN8	10-6	IH Inverter	G4
FAN9	1-7	SBU	B9
FAN10	9-6	HDD	G10
FAN11	9-11	PSU FAN1	F5
FAN12	9-10	PSU FAN2	F5
Others			
TS1	6-8	Thermostat - Pressure Roller	F3
TS2	6-8	Thermostat - Pressure Roller	F3
TS3	10-1	Thermostat - IH	F4
TS4	10-1	Thermostat - IH	F4
TH1	6-7	Thermistor - Pressure Roller	E3
TH2	6-5	Thermistor - Heating Roller	E3
HDD1	9-5	HDD1	F10
HDD2	9-5	HDD2	G10
-	10-8	IH Coil Unit	F4

Symbol	Index No.	Description	P to P
Motors			
M1	4-8	Shutter	A2
M2	2-5	Duplex Inverter	C1
M3	11-3	Junction Gate1	D3
M4	11-6	Paper Transfer Roller Contact	D3
M5	7-1	Image Transfer Belt Contact	E3
M6	11-7	Duplex/By-pass	E1
M7	11-8	Registration	E1
M8	3-9	Paper Feed	E1
M9	3-5	Tray1 Lift	F1
M10	3-11	Tray2 Lift	F1
M11	10-2	Ferrite Roller	G4
M12	8-14	Image Transfer Belt Unit Drive	I5
M13	8-15	Fusing/Paper Exit	I4
M14	8-8	Drum/Development Motor:C	I3
M15	8-6	Drum/Development Motor:Y	I3
M16	8-12	Drum/Development Motor:K	I3
M17	8-10	Drum/Development Motor:M	I2
M18	8-5	Toner Transport	I2
M19	1-4	Scanner Drive	B10
M20	6-14	WTL Positioning Motor:M	C8
M21	6-18	WTL Positioning Motor:C	C8
M22	6-19	WTL Positioning Motor:Y	D8
M23	6-20	Polygon	D8
Clutches			
CL1	2-7	By-pass Feed	D1
CL2	3-8	Tray1 Paper Feed	D1
CL3	3-10	Tray2 Paper Feed	D1
CL4	5-2	Toner Supply Clutch:K	I6
CL5	5-3	Toner Supply Clutch:M	I6
CL6	5-4	Toner Supply Clutch:C	I6
CL7	5-5	Toner Supply Clutch:Y	I6
CL8	5-12	Toner Bottle Clutch - K	I6
CL9	5-15	Toner Bottle Clutch - M	I5
CL10	5-14	Toner Bottle Clutch - C	I5
CL11	5-13	Toner Bottle Clutch - Y	I5
CL12	8-13	Development Clutch:K	I4
CL13	8-11	Development Clutch:M	I4
CL14	8-9	Development Clutch:C	I4
CL15	8-7	Development Clutch:Y	I4
Solenoids			
SOL1	4-2	ID Sensor Shutter	C3
SOL2	2-11	Duplex Inverter	C1
SOL3	2-8	By-pass Pick-up	C1
SOL4	3-14	Tray Lock	F1
SOL5	3-3	Tray1 Pick-up	G1
SOL6	3-3	Tray2 Pick-up	G1
Switches			
SW1	9-7	Main	E5
SW2	4-9	Interlock	E5
SW3	2-4	Right Door Open	C1
SW4	5-7	Waste Toner Bottle Set	E1
SW5	3-15	Tray1 Set	F1
SW6	3-12	Tray2 Paper Size	F1
Lamps			
L1	6-6	Pressure Roller Fusing Lamp	F3
L2	1-10	Exposure Lamp	B10

ARDF (B802) POINT TO POINT DIA GRAM



ARDF (B802) ELECTRICAL CO MPONENT LAYOUT



ELECTRICAL COMPONEN T DESCEIPTION

Symbol	Index No.	Description	P to P
Motors			
M1	5	Pick-up	C7
M2	9	Feed	A7
M3	3	Transport	B7
M4	8	Inverter	B7
Clutches			
S1	1	Scanning Entrance	D2
S2	2	Skew Correction	D2
S3	4	Left Cover	F7
S4	6	Pick-up Roller HP	F7
S5	7	Original Stopper HP	E7
S6	10	Original length 1	E7
S7	11	Original length 2	E7
S8	12	Original length 3	D7
S9	14	Original Trailing Edge	E7
S10	15	Original Set	E2
S11	17	Separation	D2
S12	18	Original Exit	E2
S13	20	Registration	E2
S14	21	Original Width 5	C2
S15	22	Original Width 4	C2
S16	23	Original Width 3	C2
S17	24	Original Width 2	C2
S18	25	Original Width 1	D2
S19	-	DF Position	E2
Solenoids			
SOL1	16	Stamp	D7
SOL2	19	Junction Gate	D7
PCB			
PCB1	13	ARDF Drive Board	F5