

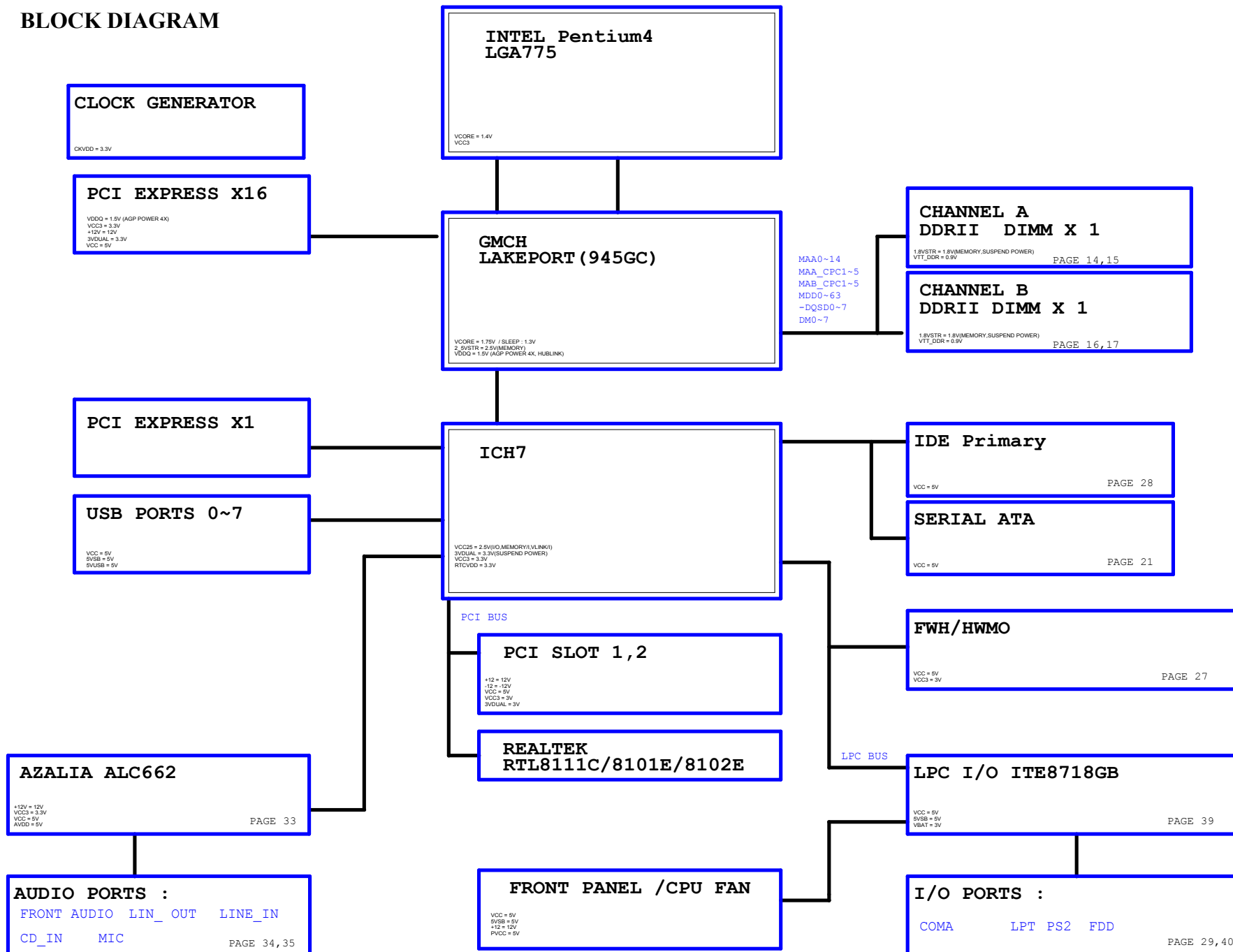
SHEET TITLE

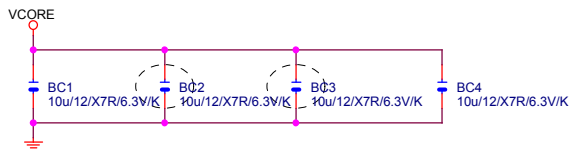
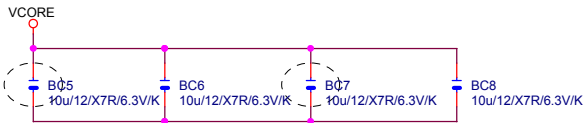
01	COVER SHEET
02	BLOCK DIAGRAM
03	BOM & PCB MODIFY HISTORY
04	P4 LGA775 A
05	P4 LGA775 B
06	P4 LGA775 C
07	P4 LGA775 D,E,F,G
08	GMCH-LAKEPORT HOST
09	GMCH-LAKEPORT DDRII
10	GMCH-LAKEPORT PCI E, DMI
11	GMCH-LAKEPORT INT VGA
12	GMCH-LAKEPORT GND
13	GMCH-LAKEPORT PWR
14	DDRII CHANNEL A 1
15	DDRII CHANNEL B 2
16	DDRII TERMINATION
17	PCI EXPRESS*16 SLOT
18	ICH7 PCI, USB, DMI, LAN
19	ICH7 IDE, GPIO, SATA, CTRL
20	ICH7 VCC, GND
21	GB/CK505-OC CLOCK.
22	PCI SLOT 1,2,PCIEX1
23	IDE/FLOPPY
24	ITE 8718 GBIX
25	COM LPT
26	BIOS, CI, HWM, KB/MS
27	AZALIA ALC662

SHEET TITLE

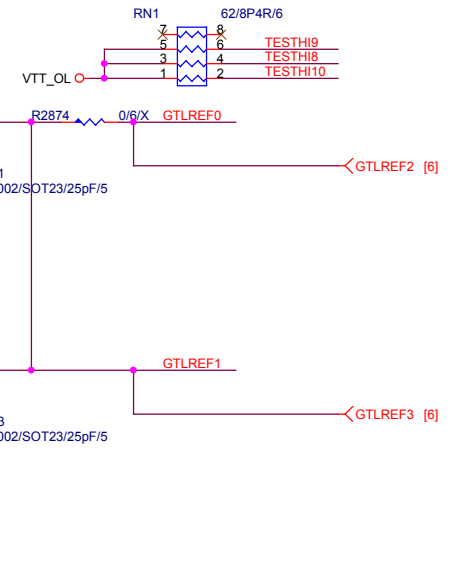
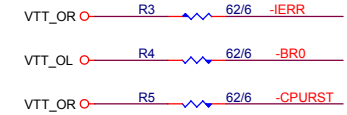
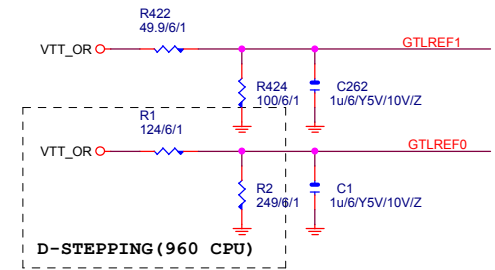
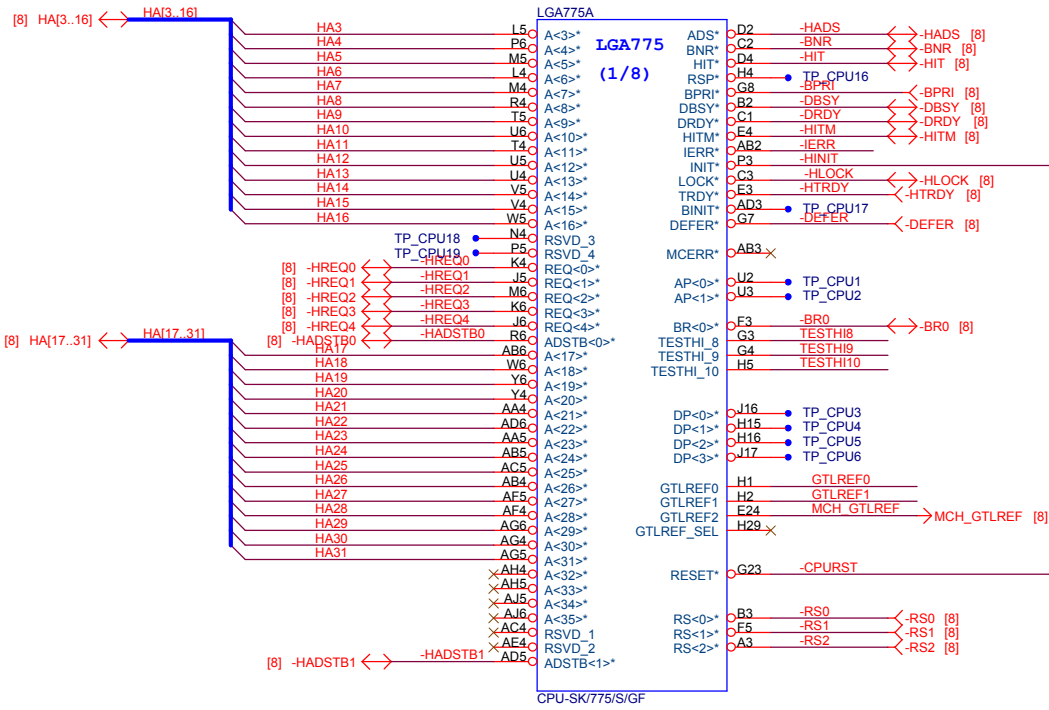
28	REAR AUDIO JACK
29	DISCRETE POWER
30	VCORE PWM ISL6312
31	ATX, OTHERS POWER
32	REALTEK RTL8111C/8101E/8102E
33	FRONT PANEL

BLOCK DIAGRAM

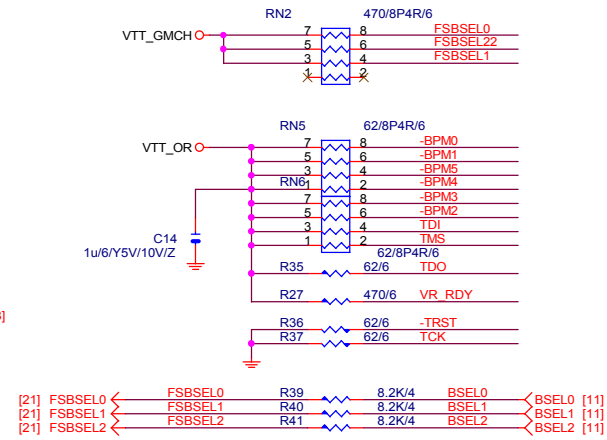
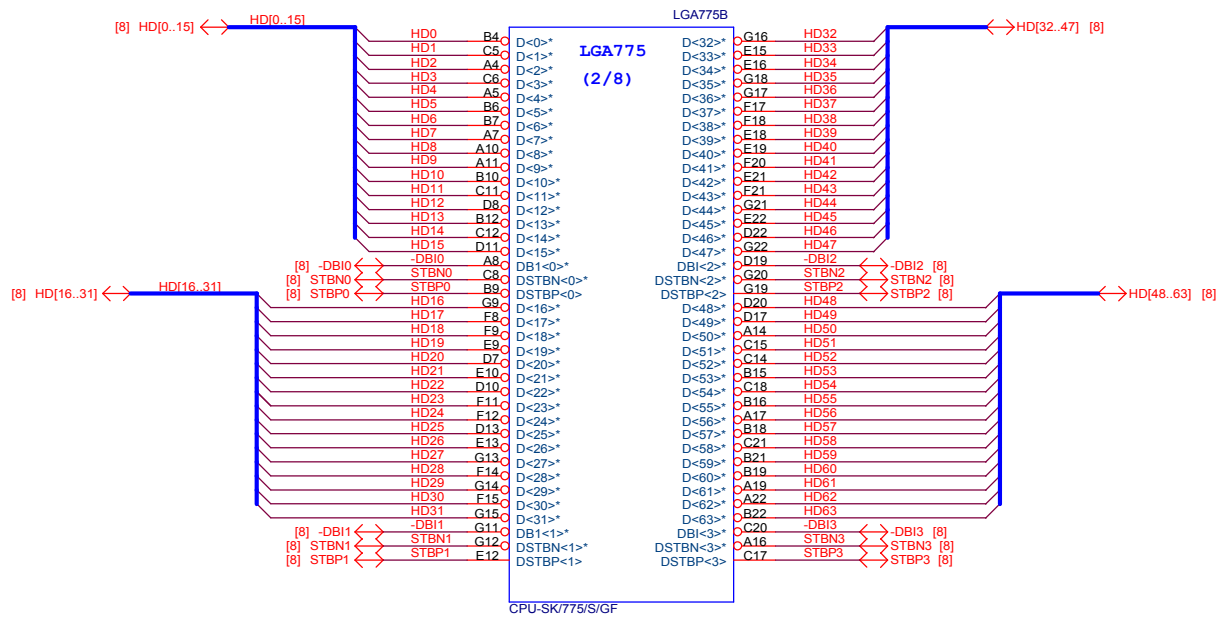




footprint: LGA775-3A9

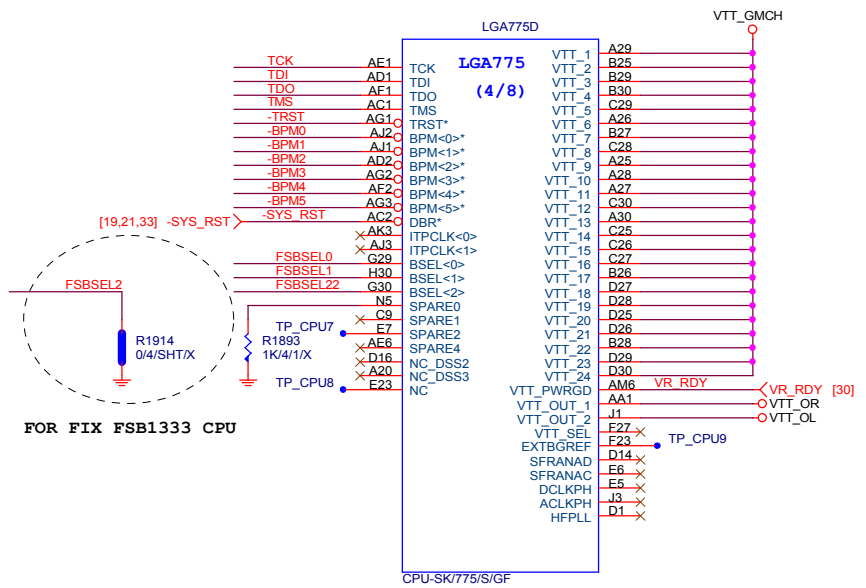


Gigabyte Technology			
Title			
P4_LGA775-A			
Size	Document Number	Rev	
B	945GCM-S2L	1.02	
Date:	Tuesday, October 02, 2007	Sheet	4 of 33



CPU

NA	FSB	FSA	Clock
FSBSEL3 = 1	FSBSEL1 = 0	FSBSEL0 = 1	100MHz
FSBSEL3 = 0	FSBSEL1 = 0	FSBSEL0 = 1	133MHz
FSBSEL3 = 0	FSBSEL1 = 1	FSBSEL0 = 1	166MHz
FSBSEL3 = 0	FSBSEL1 = 1	FSBSEL0 = 0	200MHz
FSBSEL3 = 0	FSBSEL1 = 0	FSBSEL0 = 0	266MHz



Gigabyte Technology

Title: P4_LGA775-B,D

Size: Custom

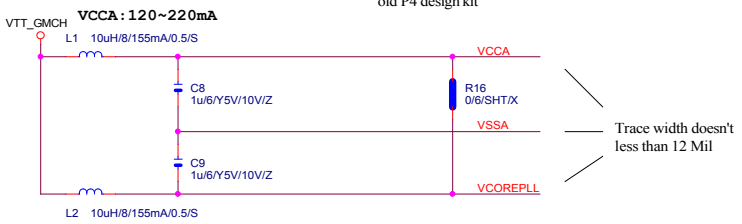
Document Number: 945GCM-S2L

Date: Tuesday, October 02, 2002

Sheet: 5 of 33

Rev: 1.02

Note:
VCCA & VCOREPLL
define doesn't same as
old P4 design kit



As close as possible to
CPU socket

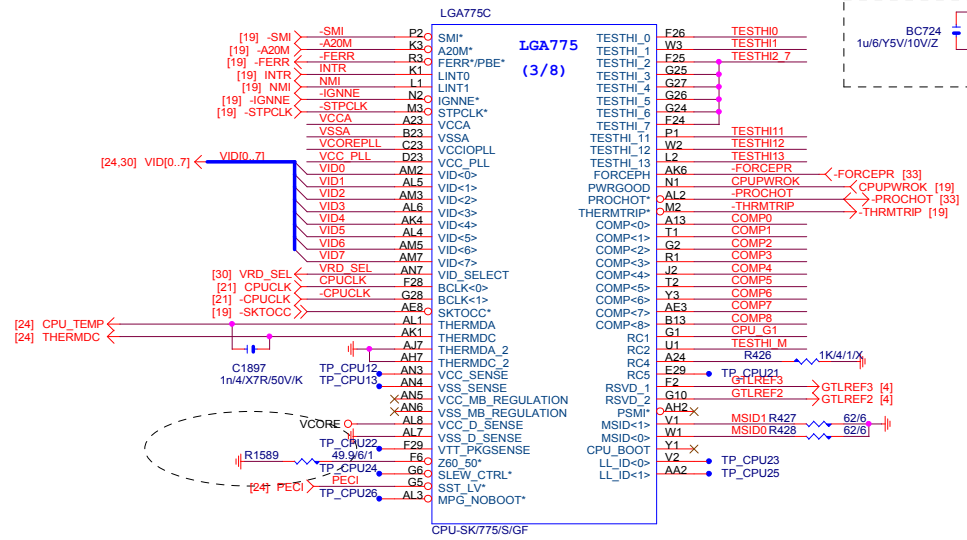
CPU

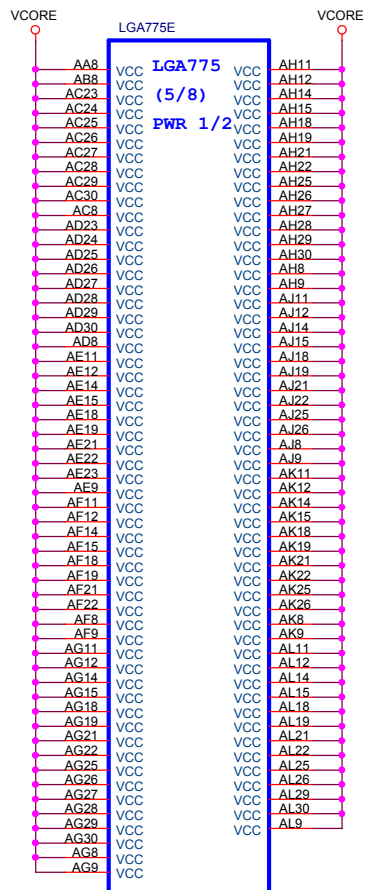
FSA	FSB	NA	Clock	
FSBSEL0	FSBSEL1	FSBSEL3	100MHz	X
1	0	1	133MHz	
1	0	0	166MHz	RATIO
1	1	0	200MHz	
0	1	0	266MHz	
0	0	0	266MHz	2.00/2.5

945 Design Guide rev1.5 spec.
VCCA=120~220mA
公板為125mA

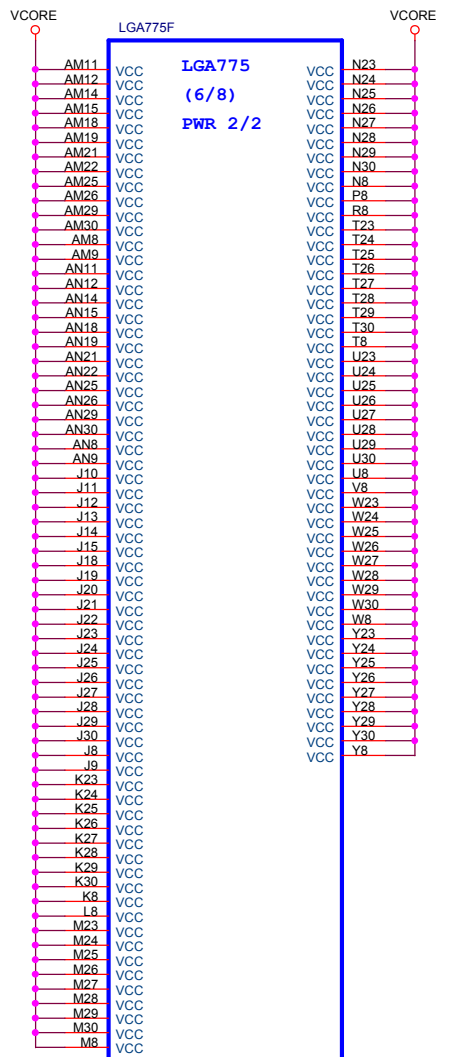
10LI2-12100A-13=INDUCTOR 10uH 300mA TAI-TECH
10LI2-12100A-02=INDUCTOR 10uH 155mA TAIYO
10LI2-12100A-01=INDUCTOR 10uH 120mA TDK

限用兩種

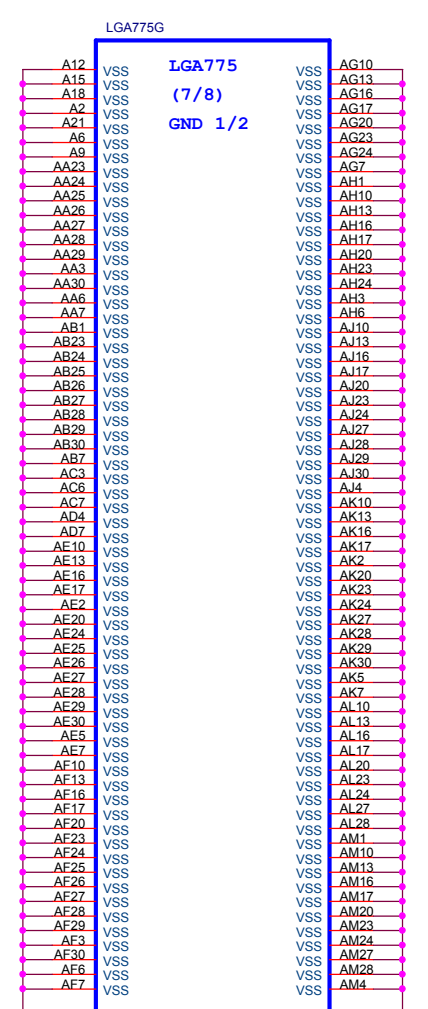




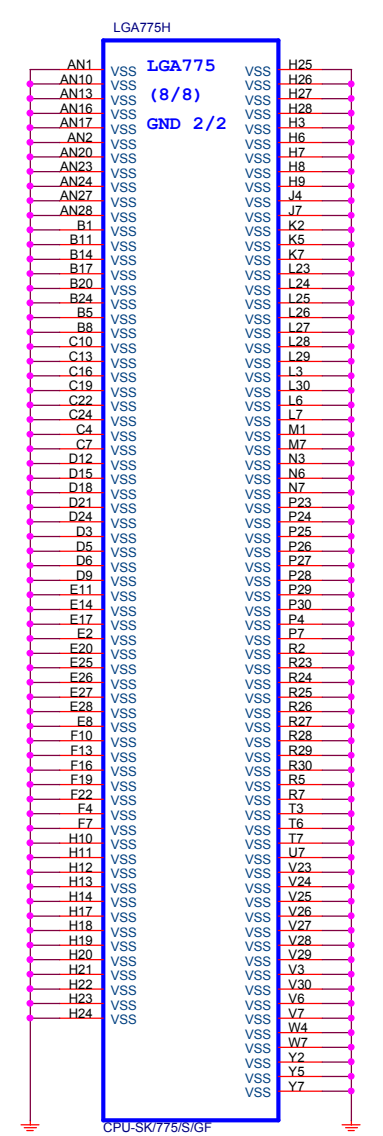
CPU-SK775/S/GF



CPU-SK775/S/GF



CPU-SK775/S/GF

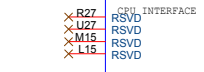
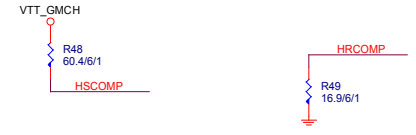
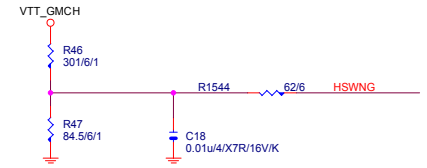
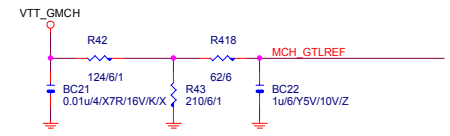
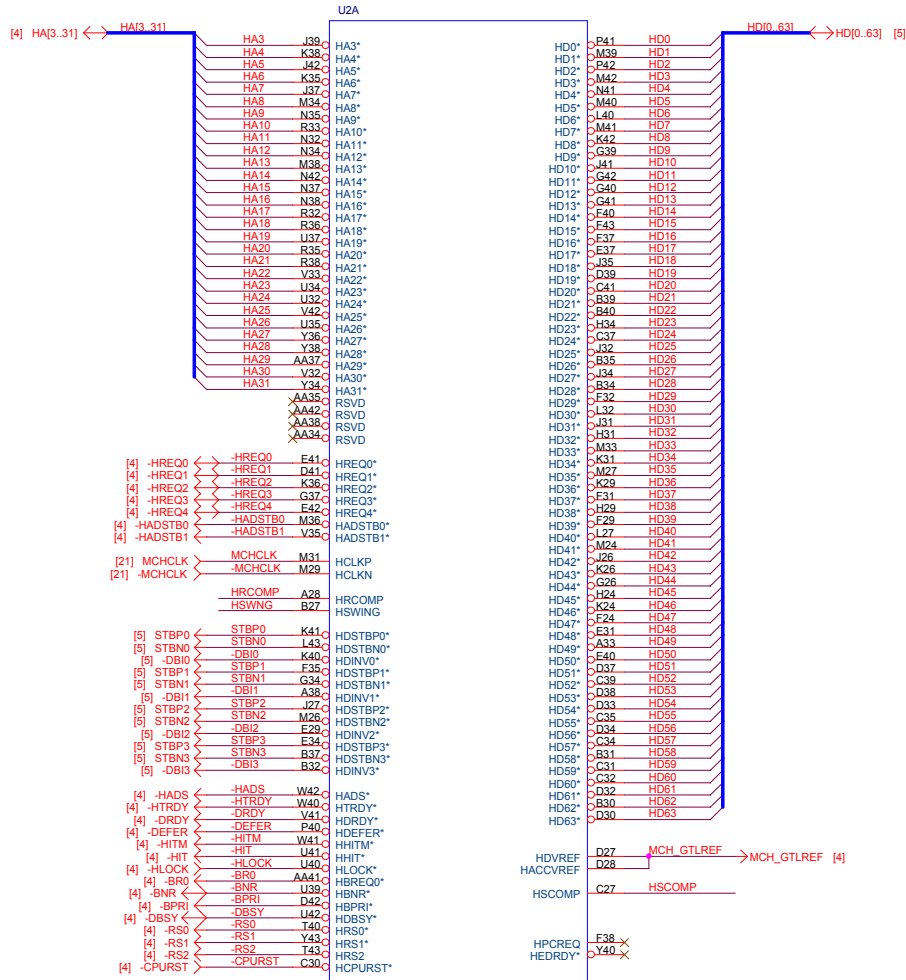


CPU-SK775/S/GF

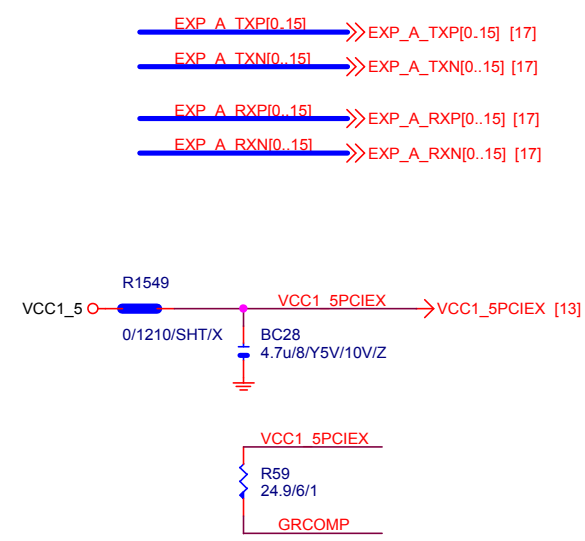
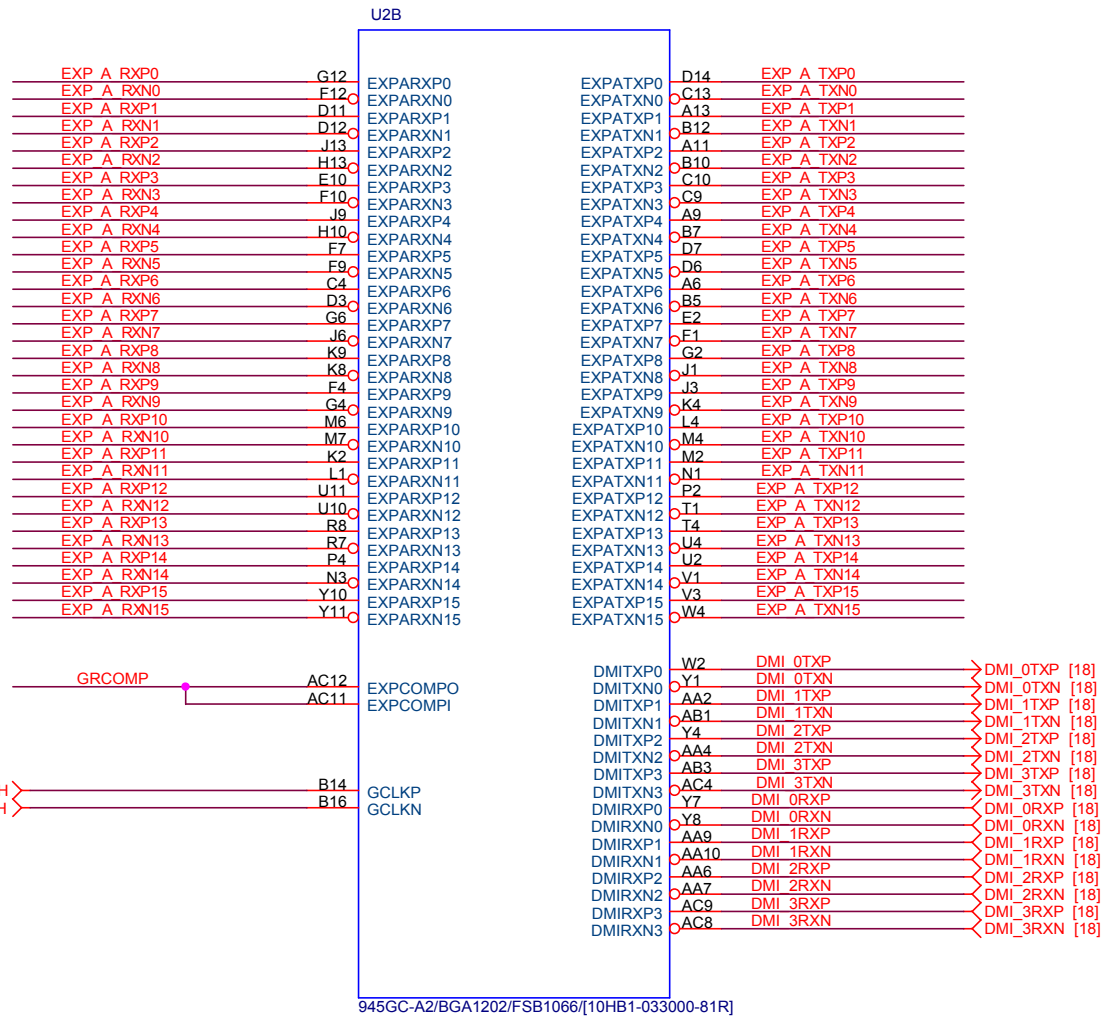
Gigabyte Technology

Title		
P4_LGA775-E,F,G,H		
Size	Document Number	Rev
B	945GCM-S2L	1.02
Date:	Tuesday, October 02, 2007	Sheet 7 of 33

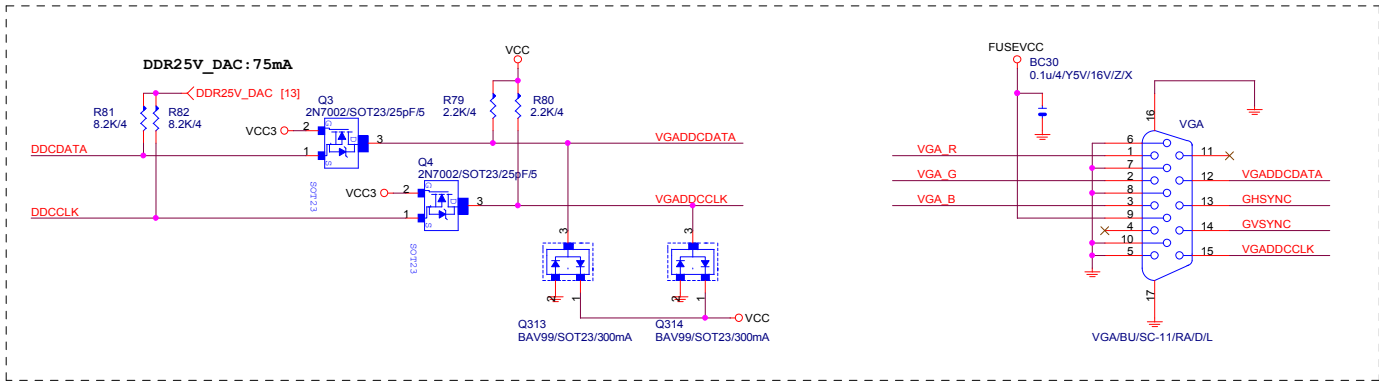
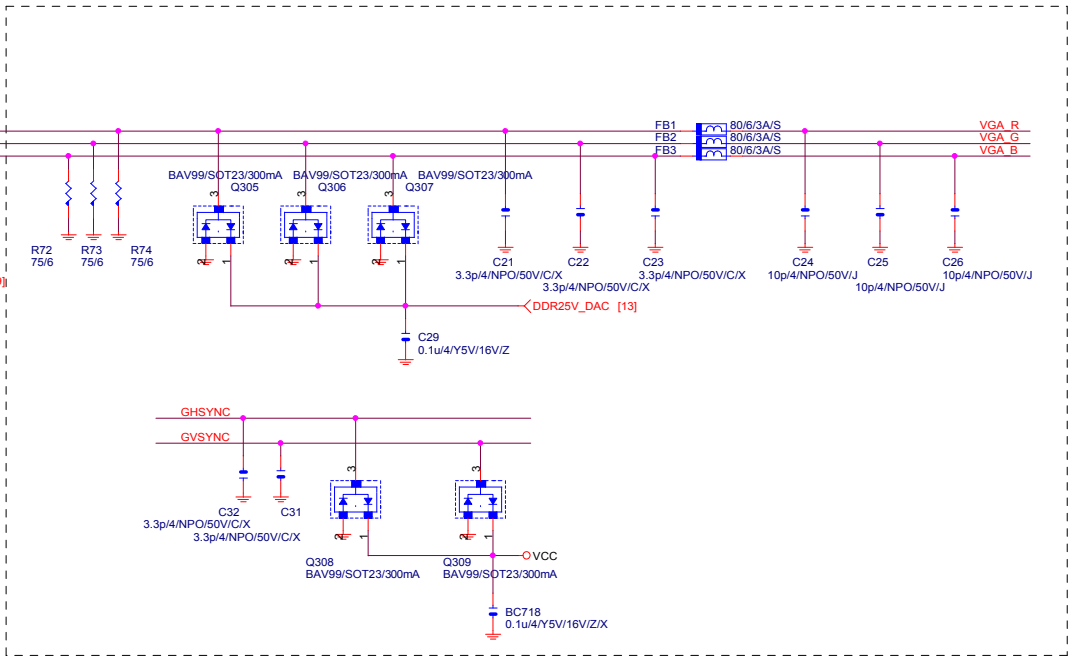
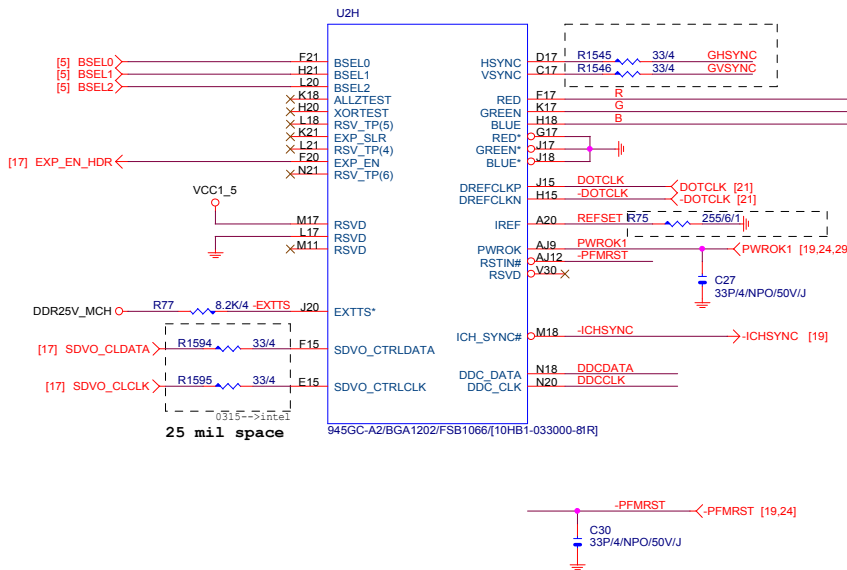
hexain@hotmail.com



Gigabyte Technology		
Title GMCH-HOST		
Size Custom	Document Number 945GCM-S2L	Rev 1.02
Date: Tuesday, October 02, 2007	Sheet 8	of 33



[21] SRCCLK_MCH
[21] -SRCCLK_MCH



U2C

A4	VSS	N2
A16	VSS	N6
A22	VSS	N8
A26	VSS	N13
A31	VSS	N15
A35	VSS	N24
B4	VSS	N26
B6	VSS	N27
B9	VSS	N29
B11	VSS	N31
B13	VSS	N33
B21	VSS	N36
B22	VSS	N39
B28	VSS	N43
B33	VSS	P3
B38	VSS	P14
C3	VSS	P15
C5	VSS	P24
C7	VSS	P26
C12	VSS	P27
C14	VSS	P29
C22	VSS	P30
C40	VSS	R6
D2	VSS	R9
D5	VSS	R12
D10	VSS	R14
D16	VSS	R30
D20	VSS	R31
D21	VSS	R34
E3	VSS	R37
E4	VSS	R39
E7	VSS	T2
E9	VSS	T7
F12	VSS	T12
F13	VSS	U3
F17	VSS	U5
F18	VSS	U9
F20	VSS	U12
F21	VSS	U14
F32	VSS	U31
F2	VSS	U33
F8	VSS	U38
F13	VSS	V2
F18	VSS	V8
F26	VSS	V11
F34	VSS	V12
F42	VSS	V14
G3	VSS	V14
G5	VSS	V36
G7	VSS	V37
G9	VSS	V38
G10	VSS	V38
G13	VSS	V39
G15	VSS	V43
G18	VSS	W3
G20	VSS	W3
G21	VSS	Y2
G24	VSS	Y5
G27	VSS	Y6
G29	VSS	Y9
G31	VSS	Y12
G32	VSS	Y14
G35	VSS	Y14
G38	VSS	Y31
H12	VSS	Y35
H17	VSS	Y37
H26	VSS	Y39
H27	VSS	Y42
H32	VSS	Y42
I2	VSS	AA3
J5	VSS	AA8
J7	VSS	AA11
J10	VSS	AA12
J12	VSS	AA14
J21	VSS	AA21
J24	VSS	AA23
J29	VSS	AA31
J38	VSS	AA33
J43	VSS	AA36
K3	VSS	AB2
K5	VSS	AB43
K6	VSS	AC2
K7	VSS	AC3
K10	VSS	AC7
K12	VSS	AC10
K13	VSS	AC14
K15	VSS	AR6
K20	VSS	AR15
K27	VSS	AR20
K32	VSS	AR23
K34	VSS	AR31
K37	VSS	AR32
K39	VSS	AR37
L2	VSS	AR39
L12	VSS	AR43
L13	VSS	AT12
L24	VSS	AT17
L26	VSS	AT18
L29	VSS	AT21
L31	VSS	AT23
L42	VSS	AT26
M3	VSS	AT27
M5	VSS	AT31
M8	VSS	AU6
M9	VSS	AU9
M10	VSS	AU12
M13	VSS	AU13
M20	VSS	AU15
M21	VSS	AU17
M35	VSS	AU20
M37	VSS	AD18
		AD20
		AD22
		AD24
		AD27
		AD29
		AE19
		AE21
		AE23
		AE25
		AF18
		AF20
		AF22
		AF24
		AY1
		BC4

945GC-A2/BGA1202/FSB1066[10HB1-033000-81R]

U2E

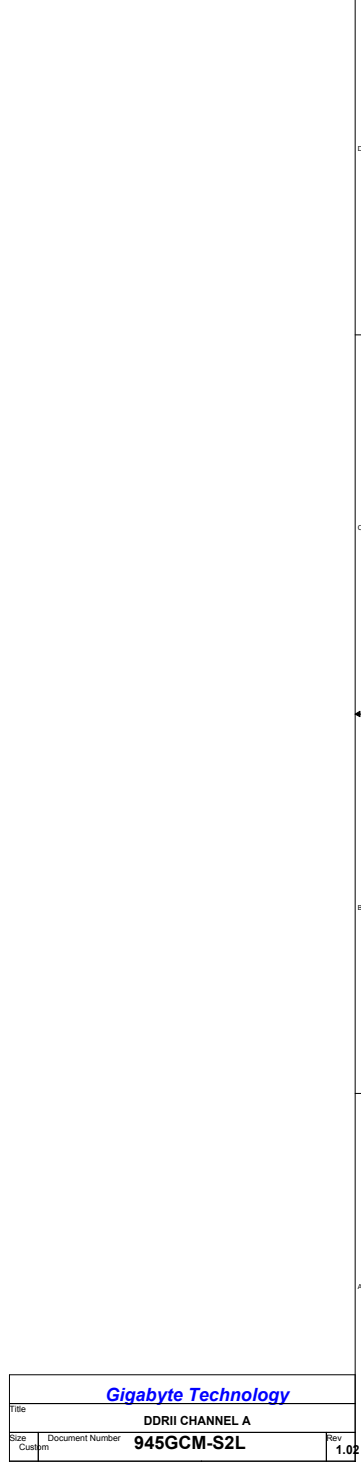
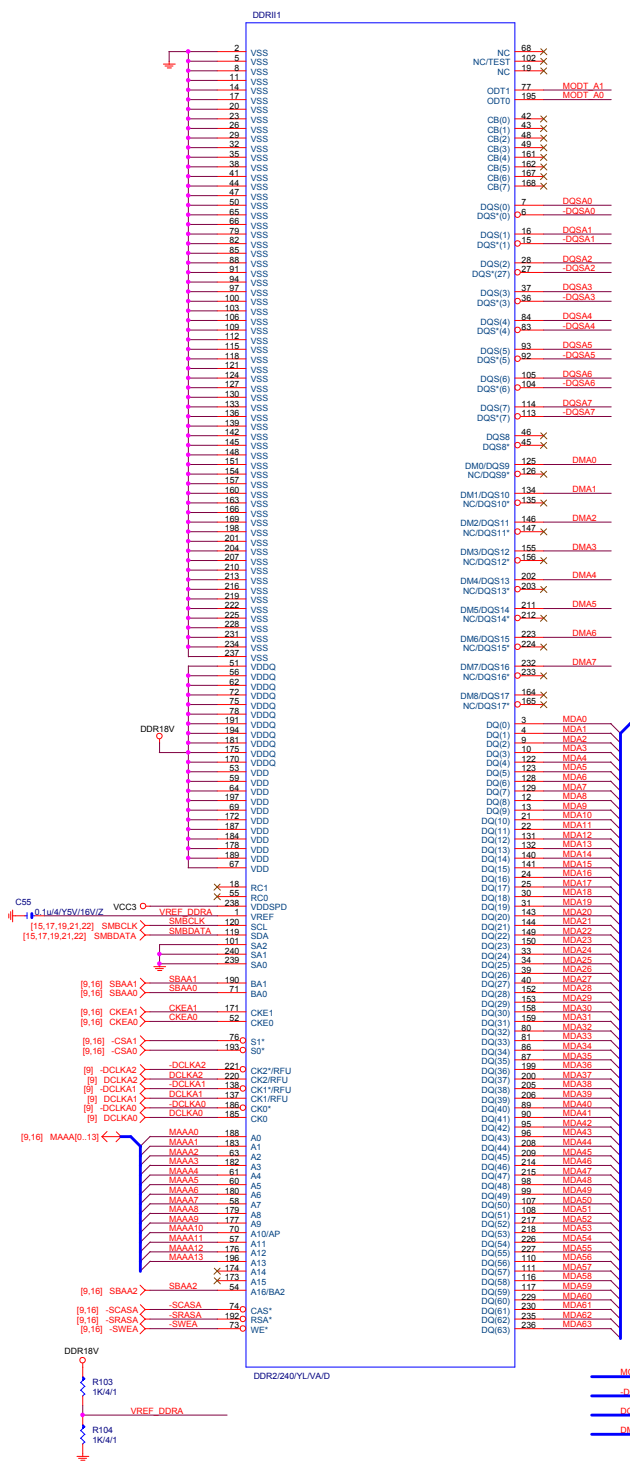
AD7	VSS	AD7
AD9	VSS	AD9
AD11	VSS	AD11
AD13	VSS	AD13
AD33	VSS	AD33
N24	VSS	N24
AD37	VSS	AD37
AD42	VSS	AD42
AF1	VSS	AF1
AF2	VSS	AF2
N33	VSS	N33
AF5	VSS	AF5
N39	VSS	N39
AF36	VSS	AF36
P3	VSS	P3
P14	VSS	P14
P15	VSS	P15
AG31	VSS	AG31
AG33	VSS	AG33
AG36	VSS	AG36
AG37	VSS	AG37
AG38	VSS	AG38
AG39	VSS	AG39
AH42	VSS	AH42
R12	VSS	R12
A10	VSS	A10
A30	VSS	A30
A31	VSS	A31
A33	VSS	A33
A35	VSS	A35
A37	VSS	A37
AK24	VSS	AK24
AK26	VSS	AK26
AK29	VSS	AK29
AK30	VSS	AK30
AL1	VSS	AL1
AL3	VSS	AL3
AL7	VSS	AL7
AL10	VSS	AL10
AL12	VSS	AL12
AL13	VSS	AL13
AL15	VSS	AL15
AL18	VSS	AL18
AL21	VSS	AL21
AL23	VSS	AL23
AL24	VSS	AL24
AL27	VSS	AL27
AL32	VSS	AL32
AL33	VSS	AL33
V38	VSS	V38
AL43	VSS	AL43
AM5	VSS	AM5
AM7	VSS	AM7
Y2	VSS	Y2
AM3	VSS	AM3
AM33	VSS	AM33
Y6	VSS	Y6
AM36	VSS	AM36
AM37	VSS	AM37
AM39	VSS	AM39
AN2	VSS	AN2
AN4	VSS	AN4
Y35	VSS	Y35
AN13	VSS	AN13
Y37	VSS	Y37
AN15	VSS	AN15
AN17	VSS	AN17
AN18	VSS	AN18
AN20	VSS	AN20
AN21	VSS	AN21
AN23	VSS	AN23
AN24	VSS	AN24
AN26	VSS	AN26
AN27	VSS	AN27
AN31	VSS	AN31
AN42	VSS	AN42
AP5	VSS	AP5
AP7	VSS	AP7
AP10	VSS	AP10
AP12	VSS	AP12
AP29	VSS	AP29
AP34	VSS	AP34
AP38	VSS	AP38
AP39	VSS	AP39
AR1	VSS	AR1
AR6	VSS	AR6
AR15	VSS	AR15
AR20	VSS	AR20
AR23	VSS	AR23
AR31	VSS	AR31
AR32	VSS	AR32
AR37	VSS	AR37
AR39	VSS	AR39
AR43	VSS	AR43
AT12	VSS	AT12
AT17	VSS	AT17
AT18	VSS	AT18
AT21	VSS	AT21
AT23	VSS	AT23
AT26	VSS	AT26
AT27	VSS	AT27
AT31	VSS	AT31
AU6	VSS	AU6
AU9	VSS	AU9
AU12	VSS	AU12
AU13	VSS	AU13
AU15	VSS	AU15
AU17	VSS	AU17
AU20	VSS	AU20
AD18	VSS	AD18
AD20	VSS	AD20
AD22	VSS	AD22
AD24	VSS	AD24
AD27	VSS	AD27
AD29	VSS	AD29
AE19	VSS	AE19
AE21	VSS	AE21
AE23	VSS	AE23
AE25	VSS	AE25
AF18	VSS	AF18
AF20	VSS	AF20
AF22	VSS	AF22
AF24	VSS	AF24
AY1	VSS	AY1
BC4	VSS	BC4

VSS	AU21
VSS	AU24
VSS	AU26
VSS	AU29
VSS	AU32
VSS	AU34
VSS	AV2
VSS	AV10
VSS	AV17
VSS	AV37
VSS	AW10
VSS	BA4
VSS	BA42
VSS	BB3
VSS	BB6
VSS	BB11
VSS	BB14
VSS	BB19
VSS	BB34
VSS	BB39
VSS	BB41
VSS	BC9
VSS	A40
VSS	D1
VSS	D43
VSS	R26
VSS	R29
VSS	U29
VSS	V24
VSS	V26
VSS	V29
VSS	W21
VSS	W23
VSS	W25
VSS	Y20
VSS	Y22
VSS	Y24
VSS	Y26
VSS	Y29
VSS	AA27
VSS	AA29
VSS	AC19
VSS	AC26
VSS	AC29
NC	A42
NC	B2
NC	B3
NC	B4
NC	B42
NC	B43
NC	C2
NC	C42
NC	E35
NC	AV26
NC	AV27
NC	AW2
NC	AW26
NC	BA2
NC	BB1
NC	BB2
NC	BB43
NC	BC1
NC	BC2
NC	BC42
NC	BC43
RSVD	AK21
RSVD	AJ23
RSVD	AJ26
RSVD	AL20
RSVD	AL21
RSVD	AJ21
RSVD	AL26
RSVD	AK27
RSVD	AD30
RSVD	AC34
RSVD	Y30
RSVD	Y31
RSVD	AF31
RSVD	AD31
RSVD	U30
RSVD	V31
RSVD	AA30
RSVD	AC30
RSVD	AA3
RSVD	AG28
RSVD	AG28
RSVD	AG27
RSVD	AJ24
RSVD	AJ27
RSVD	AK40
RSVD	AW17
RSVD	AW19
RSVD	AY14
RSVD	BC16
RSVD	AJ25
RSVD	AG29

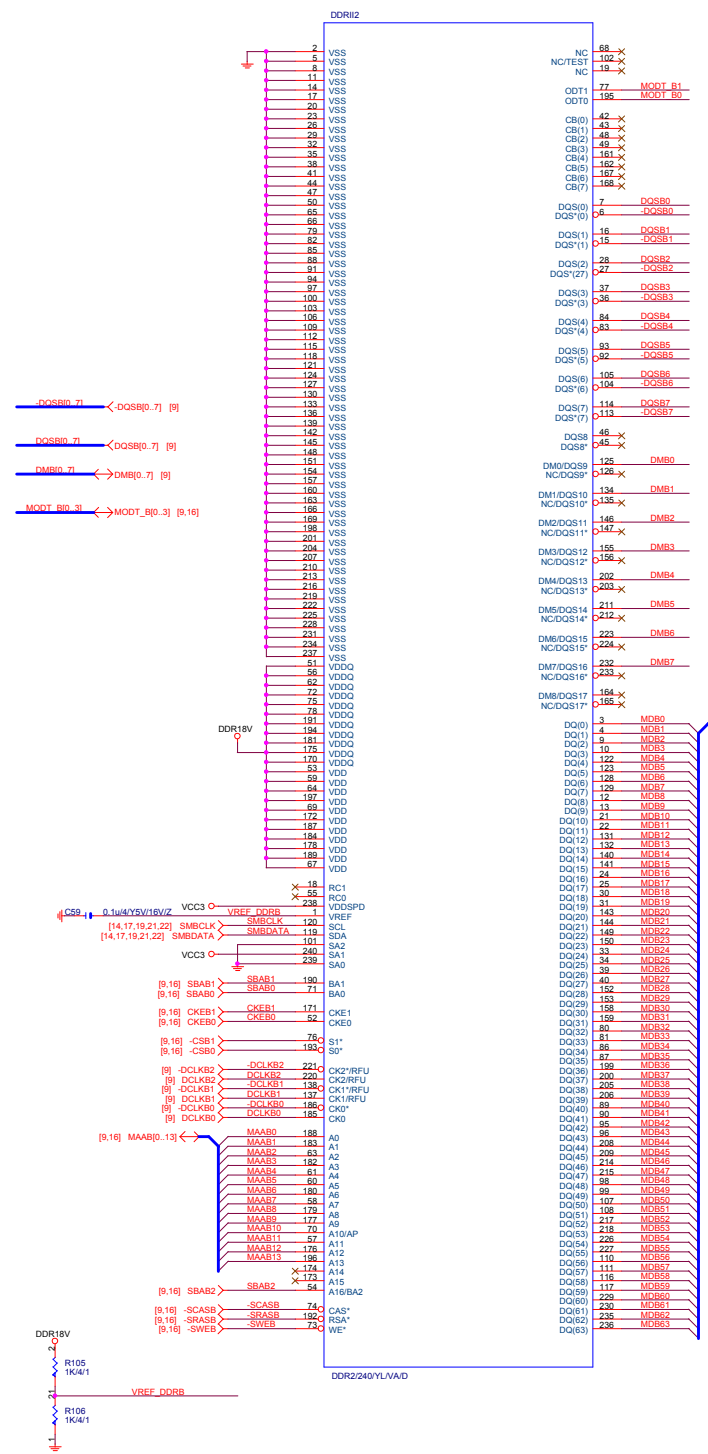
Gigabyte Technology

GMCH-GND

Size	Document Number	Rev
Custom	945GCM-S2L	1.02
Date	Tuesday, October 02, 2007	Sheet 12 of 33



Gigabyte Technology	
Title DDR2 CHANNEL A	
Size Custom	Document Number 945GCM-S2L
Date:	Rev 1.02
Sheet 14 of 33	



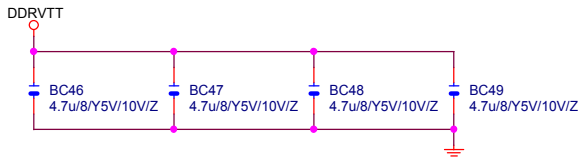
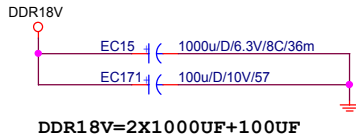
NC	68	X	
NC/TEST	102	X	
NC	19	X	
ODT1	77		MODT_B1
ODT0	195		MODT_B0
CB(0)	42	X	
CB(1)	43	X	
CB(2)	48	X	
CB(3)	49	X	
CB(4)	161	X	
CB(5)	162	X	
CB(6)	167	X	
CB(7)	168	X	
DQS(0)	7		DQS_B0
DQS(0)	6		DQS_B0
DQS(1)	16		DQS_B1
DQS(1)	15		DQS_B1
DQS(2)	28		DQS_B2
DQS(2)	27		DQS_B2
DQS(3)	37		DQS_B3
DQS(3)	36		DQS_B3
DQS(4)	84		DQS_B4
DQS(4)	83		DQS_B4
DQS(5)	83		DQS_B5
DQS(5)	82		DQS_B5
DQS(6)	106		DQS_B6
DQS(6)	104		DQS_B6
DQS(7)	114		DQS_B7
DQS(7)	113		DQS_B7
DQS8	46	X	
DQS8	45	X	
DM0/DQS9	125		DMB0
NC/DQS9	126	X	
DM1/DOS10	134		DMB1
NC/DOS10	135	X	
DM5/DOS11	146		DMB2
NC/DOS11	147	X	
DM5/DOS12	155		DMB3
NC/DOS12	156	X	
DM4/DOS13	202		DMB4
NC/DOS13	203	X	
DM5/DOS14	211		DMB5
NC/DOS14	212	X	
DM6/DOS15	223		DMB6
NC/DOS15	224	X	
DM7/DOS16	232		DMB7
NC/DOS16	233	X	
DM8/DOS17	184	X	
NC/DOS17	185	X	
DQ(0)	3		MDB0
DQ(1)	4		MDB1
DQ(2)	9		MDB2
DQ(2)	10		MDB3
DQ(3)	122		MDB4
DQ(4)	123		MDB5
DQ(5)	128		MDB6
DQ(6)	129		MDB7
DQ(7)	12		MDB8
DQ(8)	13		MDB9
DQ(9)	21		MDB10
DQ(10)	22		MDB11
DQ(11)	131		MDB12
DQ(12)	132		MDB13
DQ(13)	140		MDB14
DQ(14)	141		MDB15
DQ(15)	24		MDB16
DQ(16)	25		MDB17
DQ(17)	30		MDB18
DQ(18)	31		MDB19
DQ(19)	143		MDB20
DQ(20)	144		MDB21
DQ(21)	149		MDB22
DQ(22)	150		MDB23
DQ(23)	34		MDB24
DQ(24)	33		MDB25
DQ(25)	34		MDB26
DQ(26)	39		MDB27
DQ(27)	40		MDB28
DQ(28)	152		MDB29
DQ(29)	153		MDB30
DQ(30)	158		MDB31
DQ(31)	159		MDB32
DQ(32)	80		MDB33
DQ(33)	81		MDB34
DQ(34)	86		MDB35
DQ(35)	87		MDB36
DQ(36)	199		MDB37
DQ(37)	200		MDB38
DQ(38)	206		MDB39
DQ(39)	89		MDB40
DQ(40)	90		MDB41
DQ(41)	95		MDB42
DQ(42)	96		MDB43
DQ(43)	208		MDB44
DQ(44)	208		MDB45
DQ(45)	214		MDB46
DQ(46)	215		MDB47
DQ(47)	98		MDB48
DQ(48)	99		MDB49
DQ(49)	107		MDB50
DQ(50)	108		MDB51
DQ(51)	217		MDB52
DQ(52)	218		MDB53
DQ(53)	226		MDB54
DQ(54)	227		MDB55
DQ(55)	110		MDB56
DQ(56)	111		MDB57
DQ(57)	116		MDB58
DQ(58)	117		MDB59
DQ(59)	229		MDB60
DQ(60)	230		MDB61
DQ(61)	235		MDB62
DQ(62)	236		MDB63
DQ(63)			

MDB[0..63] [9]

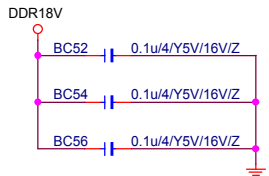
hexain@hotmail.com

DDR TERMINATION CHANNEL A

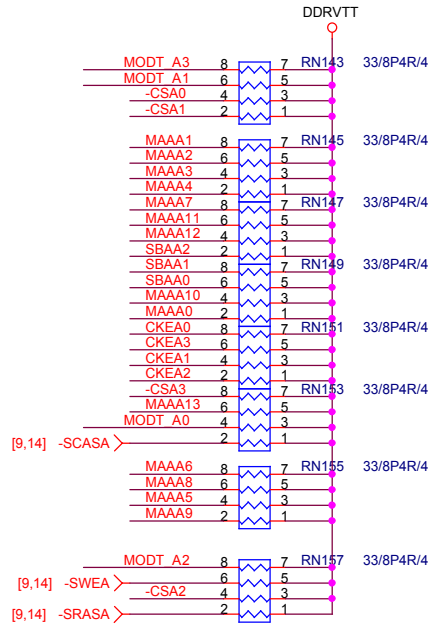
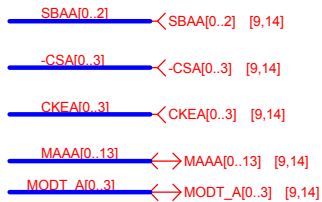
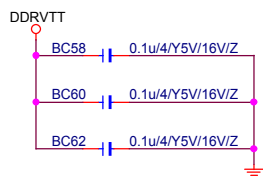
DDRVTT Decouple



DDR18V Decouple

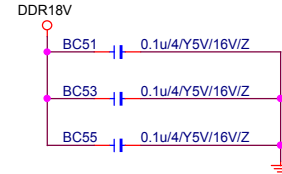


DDRVTT Decouple

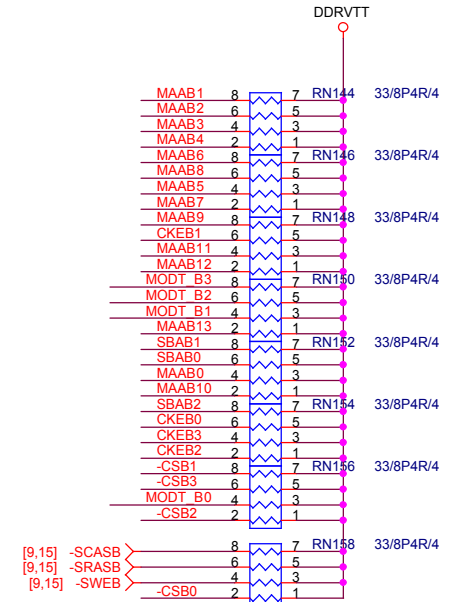
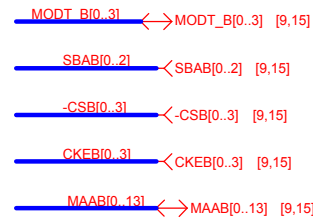
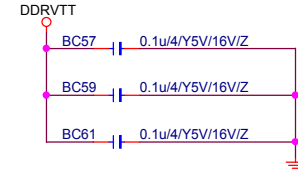


DDR TERMINATION CHANNEL B

DDR18V Decouple

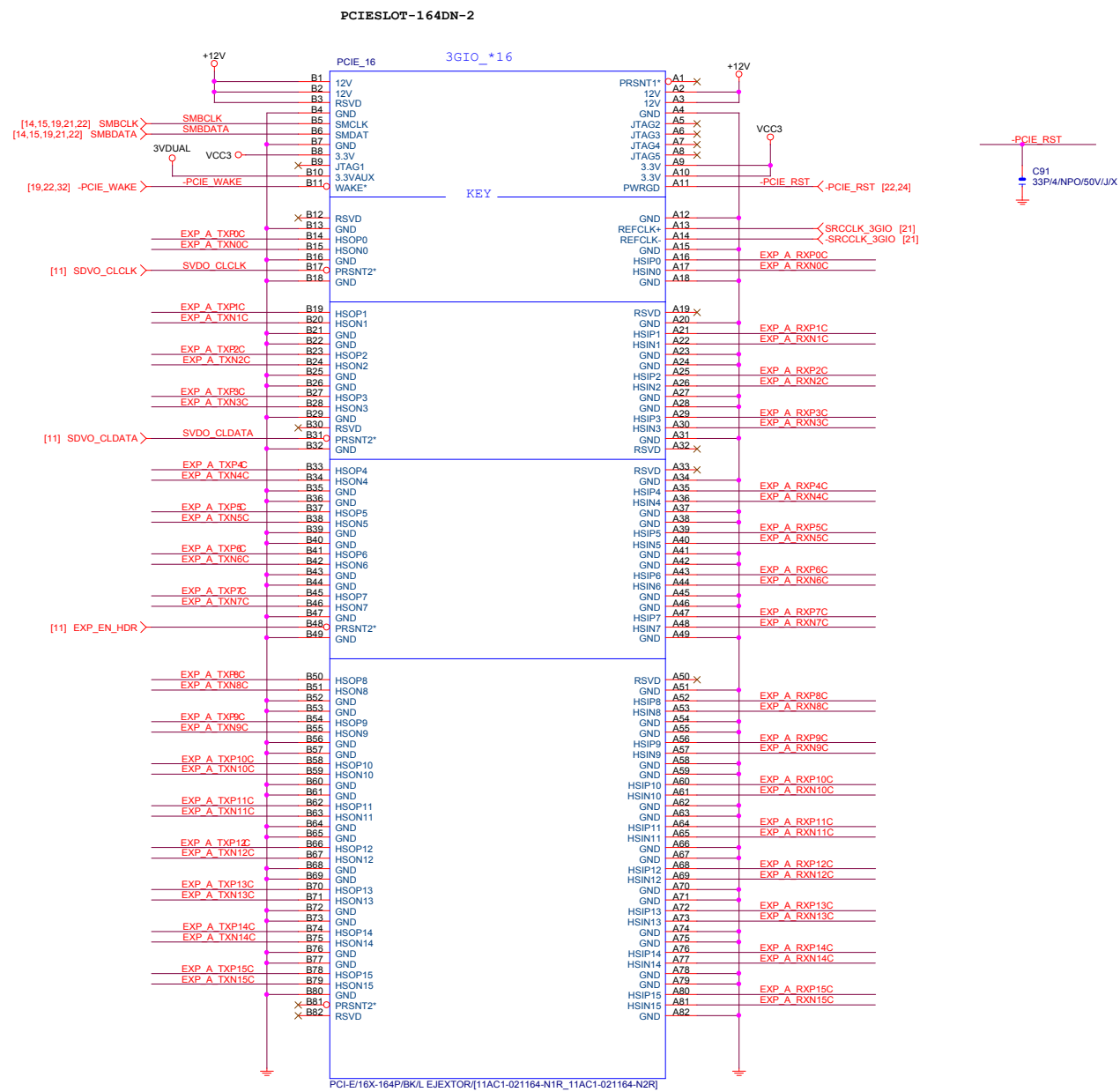
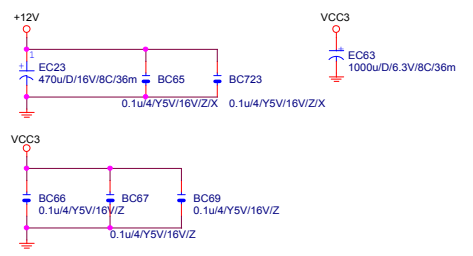


DDRVTT Decouple



Gigabyte Technology

Title		
DDRII TERMINATOR		
Size Custom	Document Number	Rev
	945GCM-S2L	1.02
Date:	Tuesday, October 02, 2007	Sheet 16 of 33



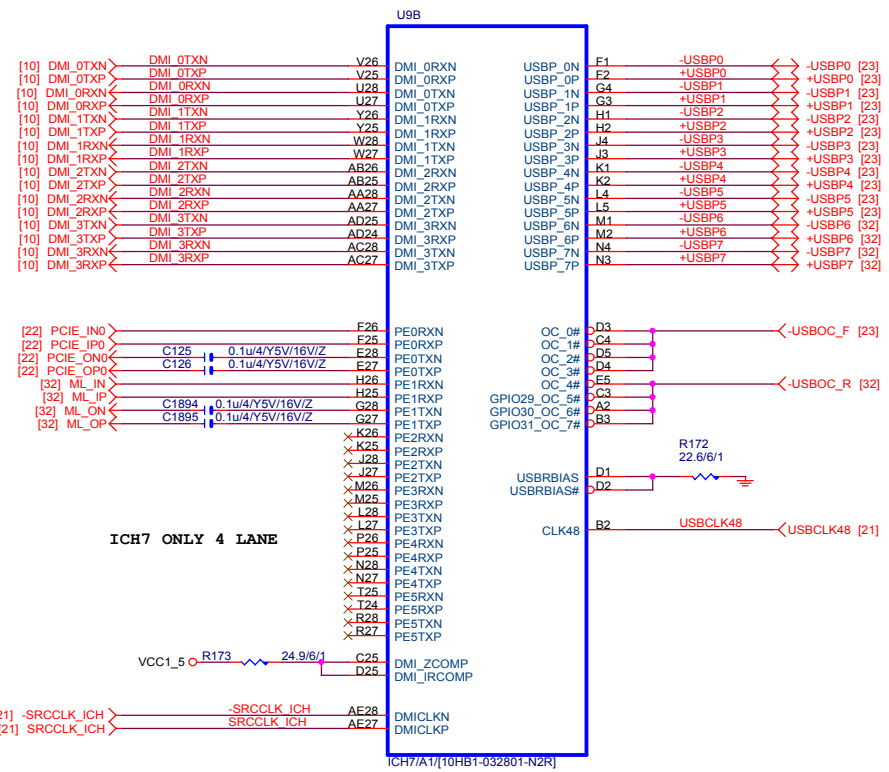
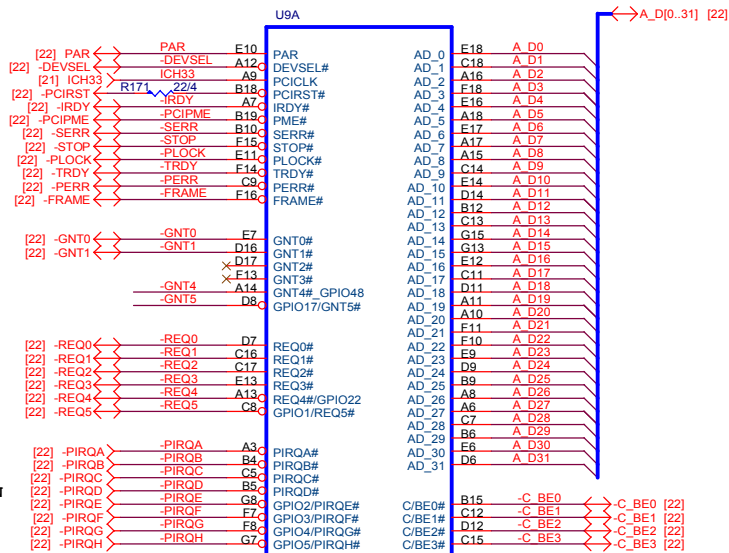
EXP A TXP0	C92	0.1u4Y5V/16V/Z	EXP A TXP0C
EXP A TXN0	C93	0.1u4Y5V/16V/Z	EXP A TXN0C
EXP A TXP1	C94	0.1u4Y5V/16V/Z	EXP A TXP1C
EXP A TXN1	C95	0.1u4Y5V/16V/Z	EXP A TXN1C
EXP A TXP2	C96	0.1u4Y5V/16V/Z	EXP A TXP2C
EXP A TXN2	C97	0.1u4Y5V/16V/Z	EXP A TXN2C
EXP A TXP3	C98	0.1u4Y5V/16V/Z	EXP A TXP3C
EXP A TXN3	C99	0.1u4Y5V/16V/Z	EXP A TXN3C
EXP A TXP4	C100	0.1u4Y5V/16V/Z	EXP A TXP4C
EXP A TXN4	C101	0.1u4Y5V/16V/Z	EXP A TXN4C
EXP A TXP5	C102	0.1u4Y5V/16V/Z	EXP A TXP5C
EXP A TXN5	C103	0.1u4Y5V/16V/Z	EXP A TXN5C
EXP A TXP6	C104	0.1u4Y5V/16V/Z	EXP A TXP6C
EXP A TXN6	C105	0.1u4Y5V/16V/Z	EXP A TXN6C
EXP A TXP7	C106	0.1u4Y5V/16V/Z	EXP A TXP7C
EXP A TXN7	C107	0.1u4Y5V/16V/Z	EXP A TXN7C
EXP A TXP8	C108	0.1u4Y5V/16V/Z	EXP A TXP8C
EXP A TXN8	C109	0.1u4Y5V/16V/Z	EXP A TXN8C
EXP A TXP9	C110	0.1u4Y5V/16V/Z	EXP A TXP9C
EXP A TXN9	C111	0.1u4Y5V/16V/Z	EXP A TXN9C
EXP A TXP10	C112	0.1u4Y5V/16V/Z	EXP A TXP10C
EXP A TXN10	C113	0.1u4Y5V/16V/Z	EXP A TXN10C
EXP A TXP11	C114	0.1u4Y5V/16V/Z	EXP A TXP11C
EXP A TXN11	C115	0.1u4Y5V/16V/Z	EXP A TXN11C
EXP A TXP12	C116	0.1u4Y5V/16V/Z	EXP A TXP12C
EXP A TXN12	C117	0.1u4Y5V/16V/Z	EXP A TXN12C
EXP A TXP13	C118	0.1u4Y5V/16V/Z	EXP A TXP13C
EXP A TXN13	C119	0.1u4Y5V/16V/Z	EXP A TXN13C
EXP A TXP14	C120	0.1u4Y5V/16V/Z	EXP A TXP14C
EXP A TXN14	C121	0.1u4Y5V/16V/Z	EXP A TXN14C
EXP A TXP15	C122	0.1u4Y5V/16V/Z	EXP A TXP15C
EXP A TXN15	C123	0.1u4Y5V/16V/Z	EXP A TXN15C

EXP A RXP0	EXP A RXN0C
EXP A RXP1	EXP A RXN1C
EXP A RXP2	EXP A RXN2C
EXP A RXP3	EXP A RXN3C
EXP A RXP4	EXP A RXN4C
EXP A RXP5	EXP A RXN5C
EXP A RXP6	EXP A RXN6C
EXP A RXP7	EXP A RXN7C
EXP A RXP8	EXP A RXN8C
EXP A RXP9	EXP A RXN9C
EXP A RXP10	EXP A RXN10C
EXP A RXP11	EXP A RXN11C
EXP A RXP12	EXP A RXN12C
EXP A RXP13	EXP A RXN13C
EXP A RXP14	EXP A RXN14C
EXP A RXP15	EXP A RXN15C

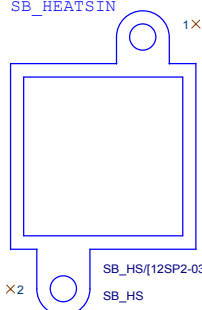
LEFT BLUE

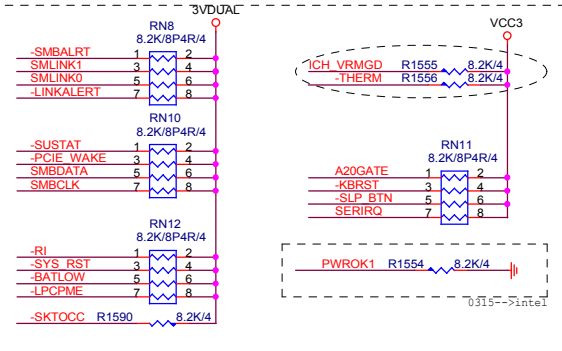
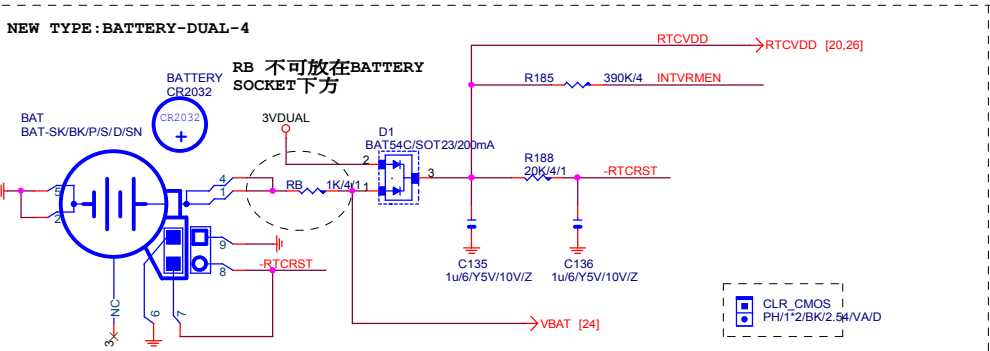
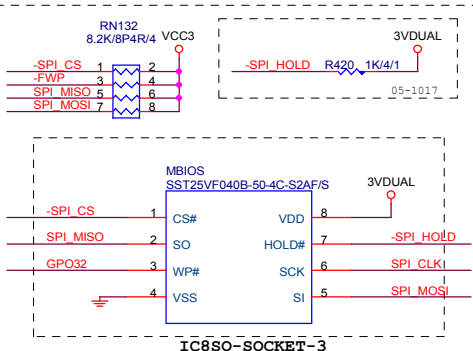
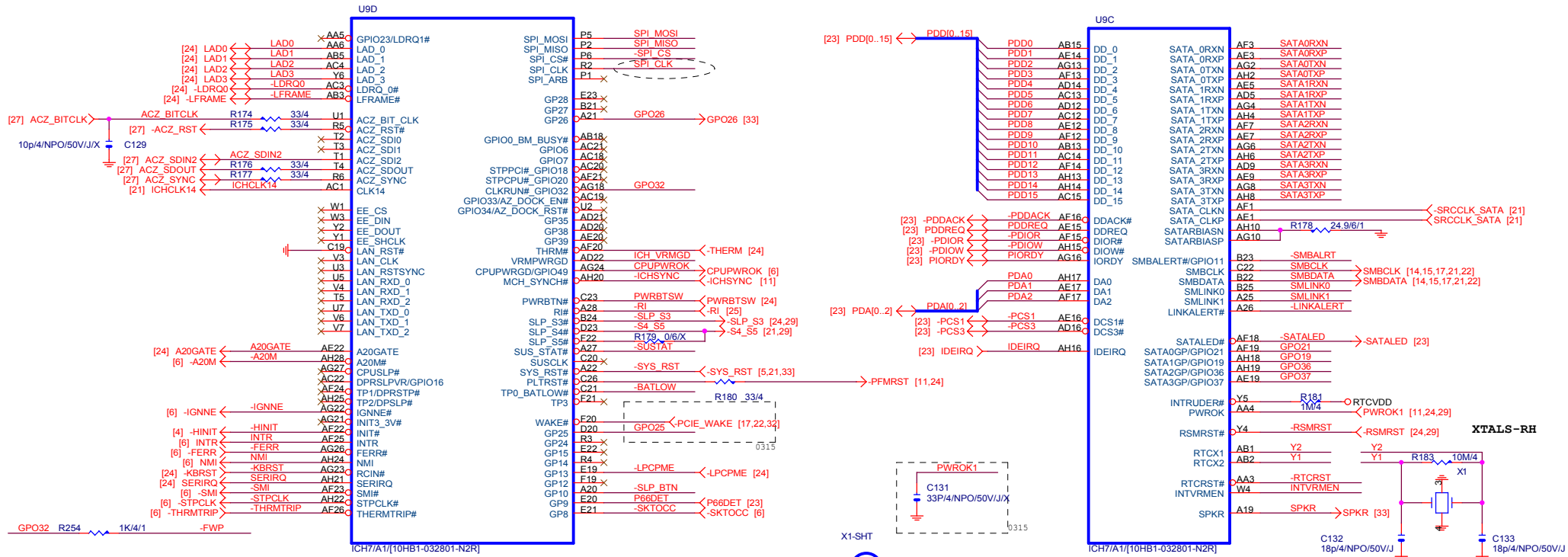
Gigabyte Technology

Title		PCI EXPRESS * 16	
Size	Document Number	945GCM-S2L	Rev
Custom			1.02
Date:	Tuesday, October 02, 2007	Sheet	17 of 33

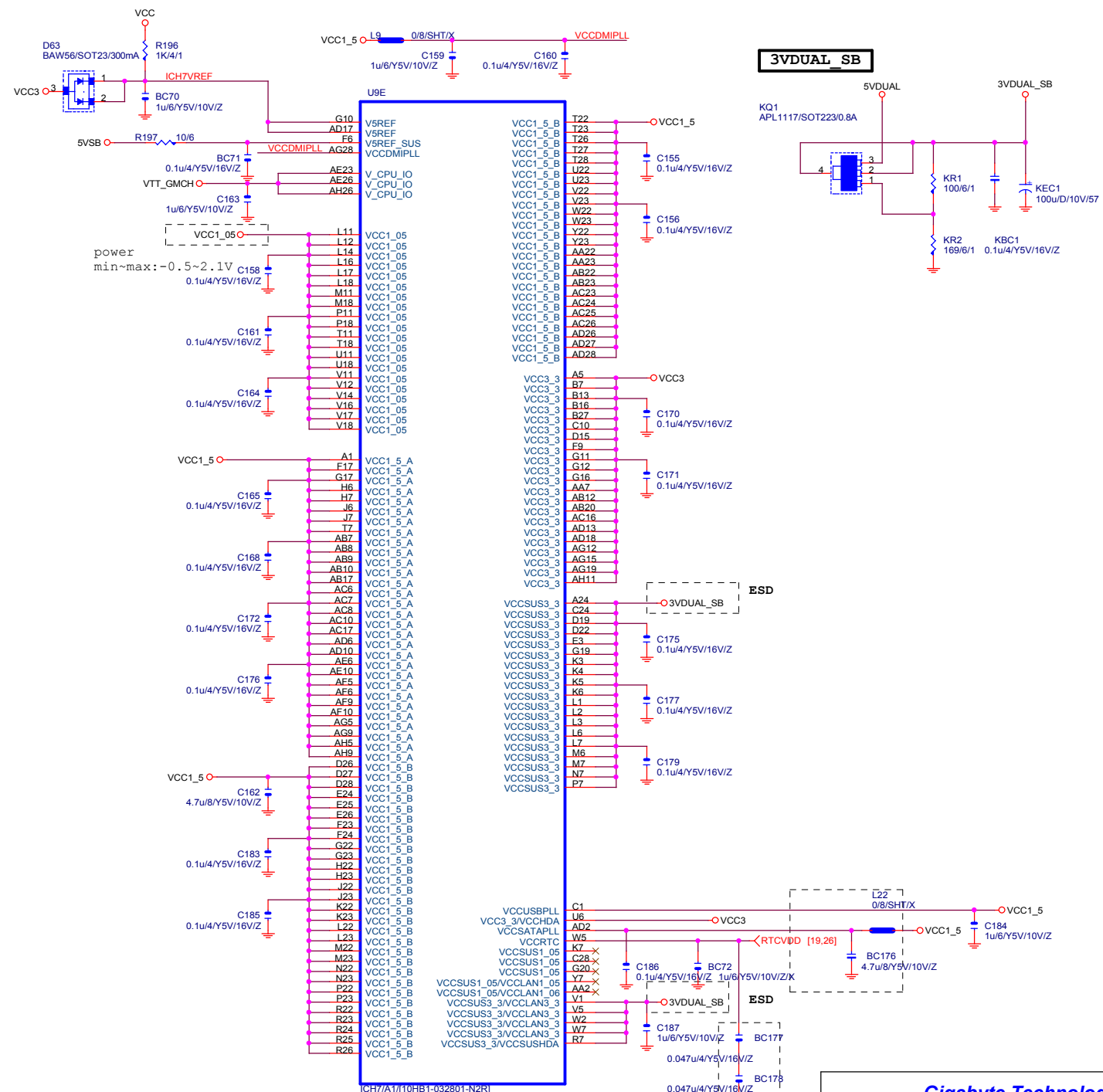


NEW SB_HS:BGHSINK_SB-N
SB_HEATSIN





U9F		
A4	VSS1	VSS101
A23	VSS2	VSS102
B1	VSS3	VSS103
B8	VSS4	VSS104
B11	VSS5	VSS105
B14	VSS6	VSS106
B17	VSS7	VSS107
B20	VSS8	VSS108
B26	VSS9	VSS109
B28	VSS10	VSS110
C2	VSS11	VSS111
C6	VSS12	VSS112
D10	VSS13	VSS113
D13	VSS14	VSS114
D18	VSS15	VSS115
D21	VSS16	VSS116
D24	VSS17	VSS117
E1	VSS18	VSS118
E2	VSS19	VSS119
E8	VSS20	VSS120
E15	VSS21	VSS121
F3	VSS22	VSS122
F4	VSS23	VSS123
F12	VSS24	VSS124
F27	VSS25	VSS125
F28	VSS26	VSS126
G1	VSS27	VSS127
G2	VSS28	VSS128
G5	VSS29	VSS129
G6	VSS30	VSS130
G9	VSS31	VSS131
G14	VSS32	VSS132
G18	VSS33	VSS133
G21	VSS34	VSS134
G24	VSS35	VSS135
G25	VSS36	VSS136
G26	VSS37	VSS137
H3	VSS38	VSS138
H4	VSS39	VSS139
H5	VSS40	VSS140
H24	VSS41	VSS141
H27	VSS42	VSS142
H28	VSS43	VSS143
J1	VSS44	VSS144
J2	VSS45	VSS145
J5	VSS46	VSS146
J24	VSS47	VSS147
J25	VSS48	VSS148
J26	VSS49	VSS149
K24	VSS50	VSS150
K27	VSS51	VSS151
K28	VSS52	VSS152
L13	VSS53	VSS153
L15	VSS54	VSS154
L24	VSS55	VSS155
L25	VSS56	VSS156
L26	VSS57	VSS157
M3	VSS58	VSS158
M4	VSS59	VSS159
M5	VSS60	VSS160
M12	VSS61	VSS161
M13	VSS62	VSS162
M14	VSS63	VSS163
M15	VSS64	VSS164
M16	VSS65	VSS165
M17	VSS66	VSS166
M24	VSS67	VSS167
M27	VSS68	VSS168
M28	VSS69	VSS169
N1	VSS70	VSS170
N2	VSS71	VSS171
N5	VSS72	VSS172
N6	VSS73	VSS173
N11	VSS74	VSS174
N12	VSS75	VSS175
N13	VSS76	VSS176
N14	VSS77	VSS177
N15	VSS78	VSS178
N16	VSS79	VSS179
N17	VSS80	VSS180
N18	VSS81	VSS181
N24	VSS82	VSS182
N25	VSS83	VSS183
N26	VSS84	VSS184
P3	VSS85	VSS185
P4	VSS86	VSS186
P12	VSS87	VSS187
P13	VSS88	VSS188
P14	VSS89	VSS189
P15	VSS90	VSS190
P16	VSS91	VSS191
P17	VSS92	VSS192
P24	VSS93	VSS193
P27	VSS94	VSS194
P28	VSS95	VSS195
R1	VSS96	VSS196
R11	VSS97	VSS197
R12	VSS98	VSS198
R13	VSS99	VSS199
	VSS100	VSS200



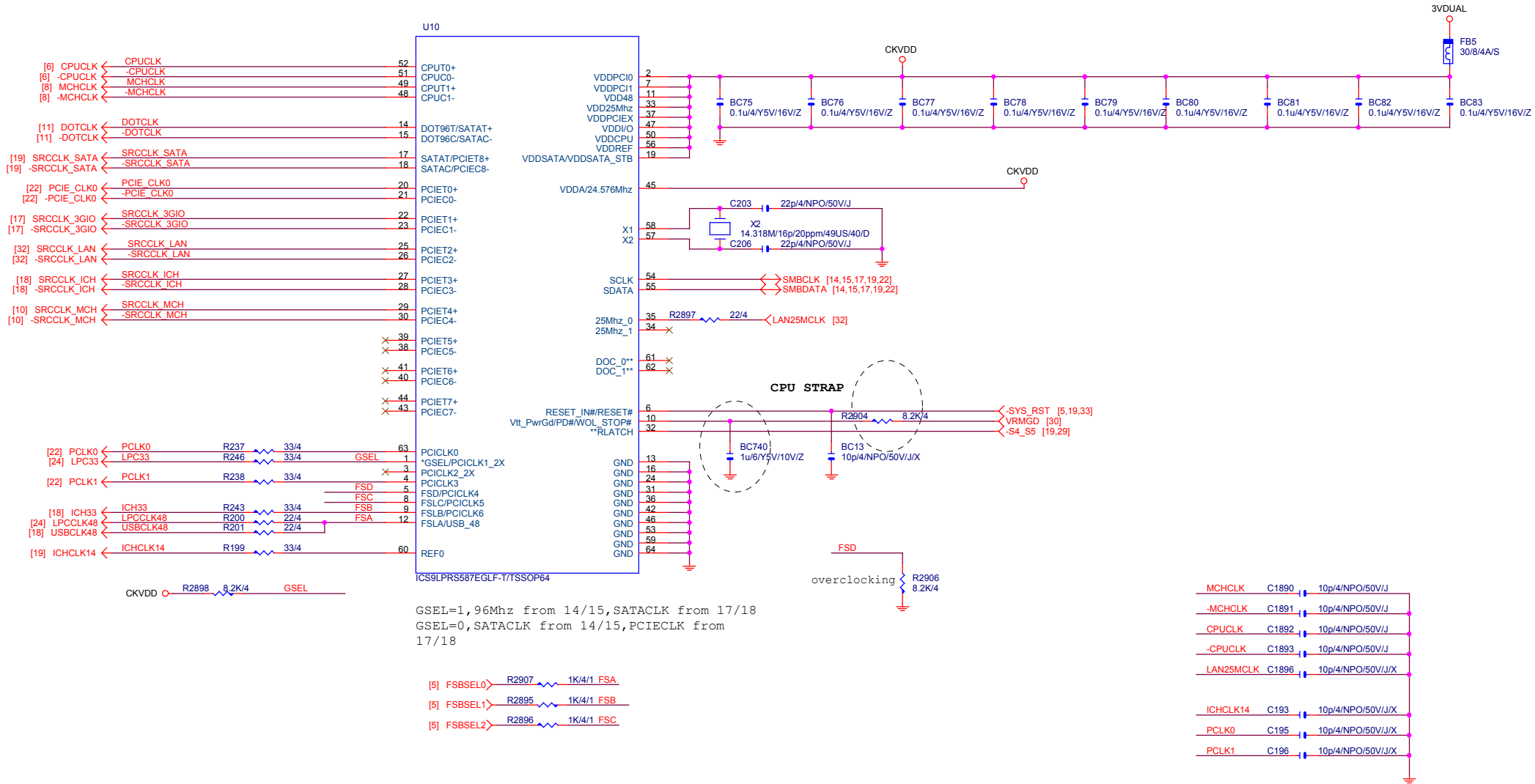
Gigabyte Technology

ICH7-PWR & GND

Size	Document Number	Rev
B	945GCM-S2L	1.02

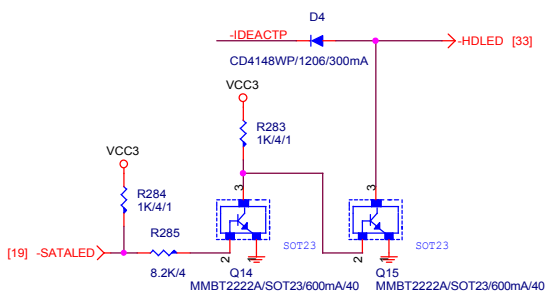
Date: Tuesday, October 02, 2007 Sheet 20 of 33

FOR 漏電

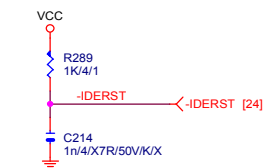


Gigabyte Technology			
CK505 CLK GEN			
Title		Rev 1.02	
Size Custom	Document Number	945GCM-S2L	
Date:	Tuesday, October 02, 2007	Sheet	21 of 33

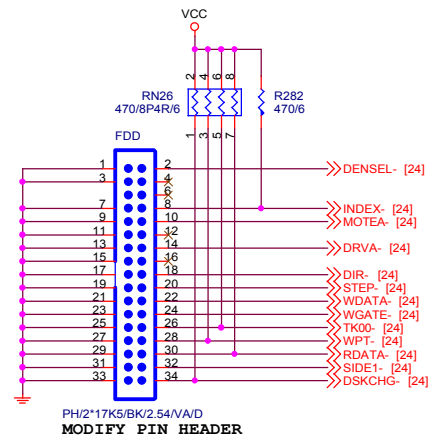
IDE/SATA LED



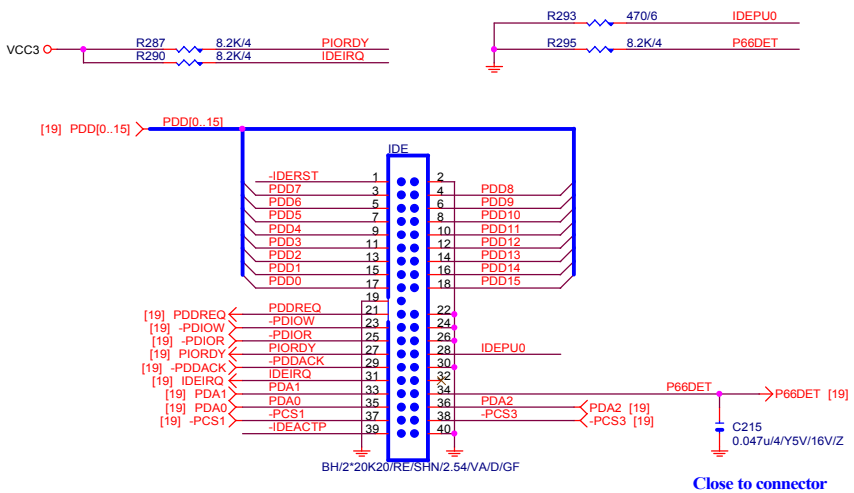
IDE RESET



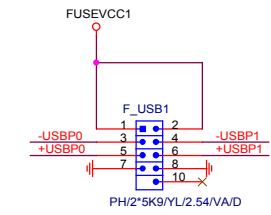
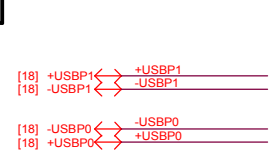
FLOPPY



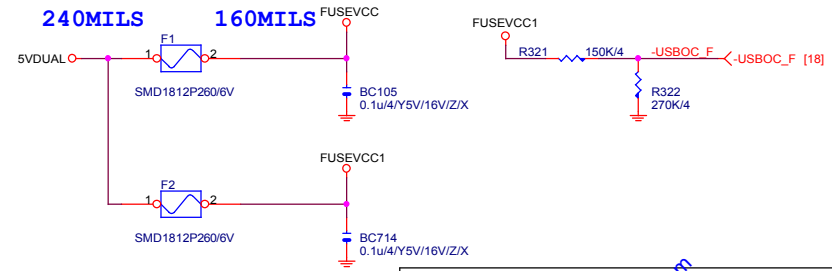
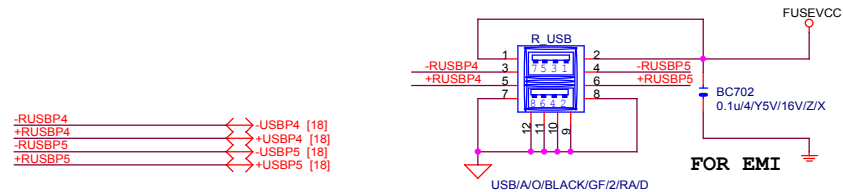
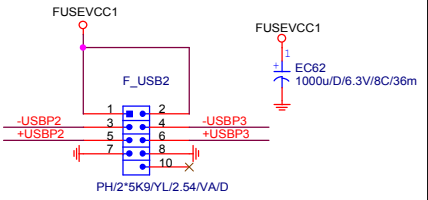
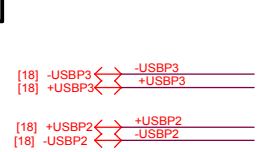
IDE



FRONT USB1

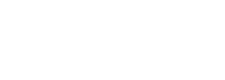
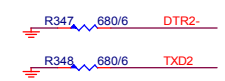
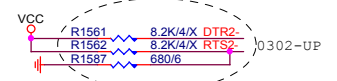


FRONT USB2

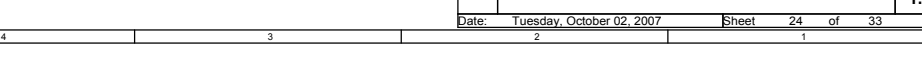
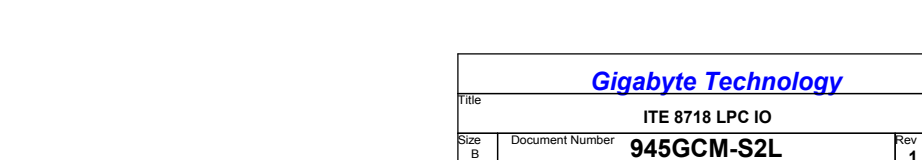
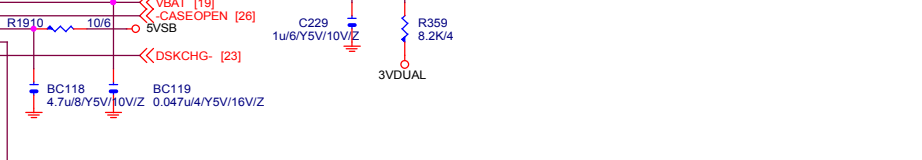
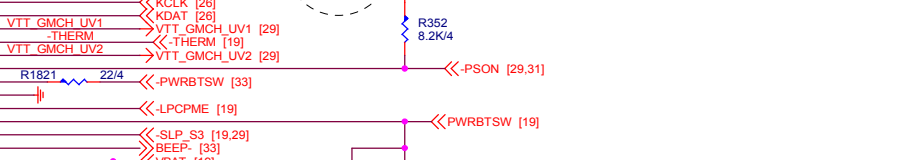
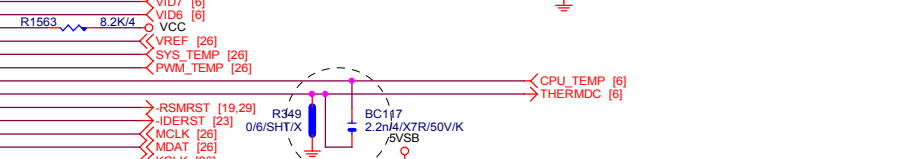
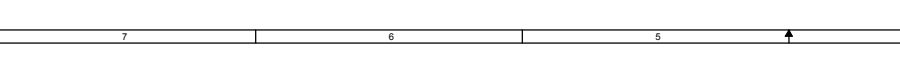
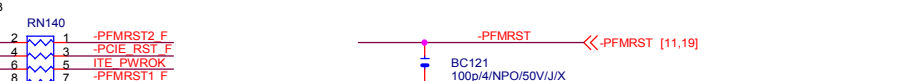
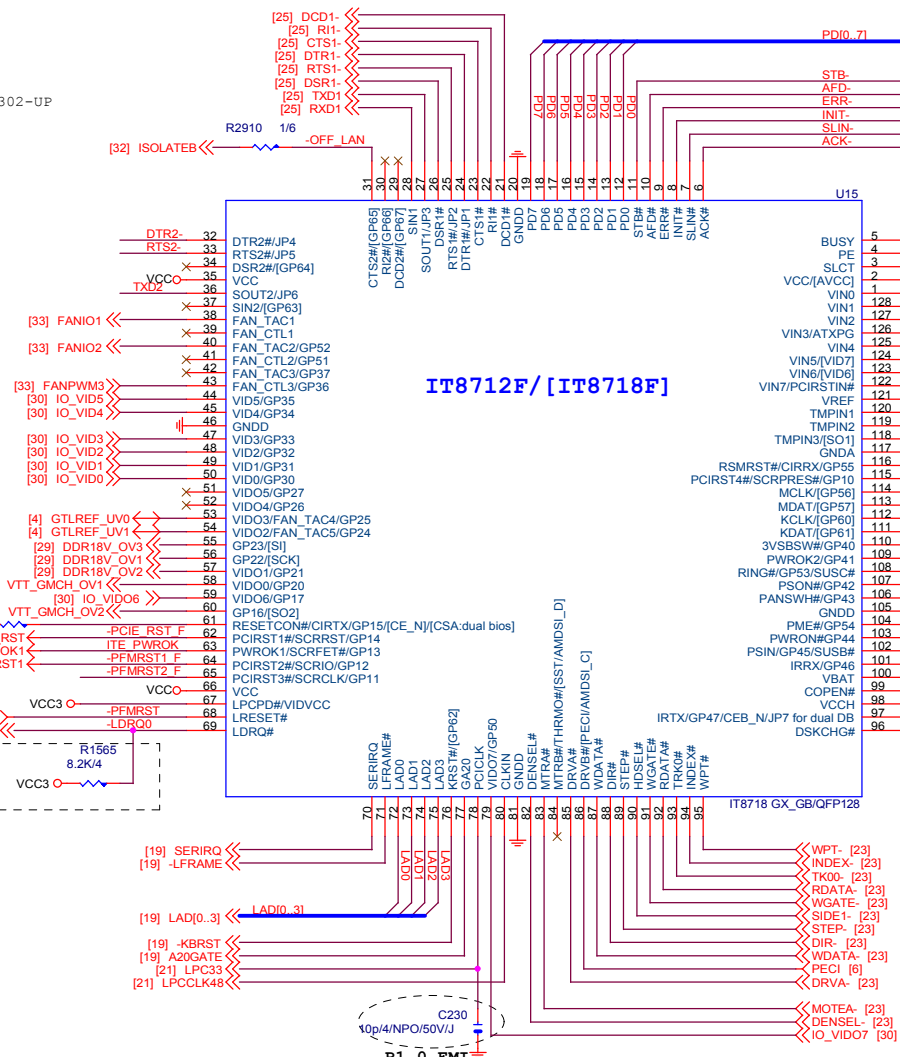
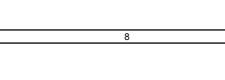


RTS2- ==LOW CPU FAN 50%
==HIGH 100%

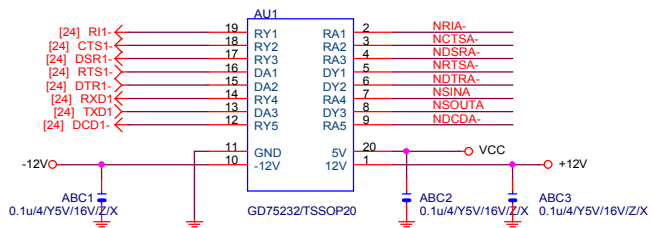
DEFAULT 50%



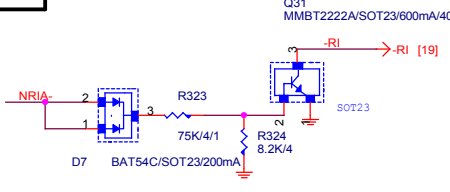
R353 8.2K/4



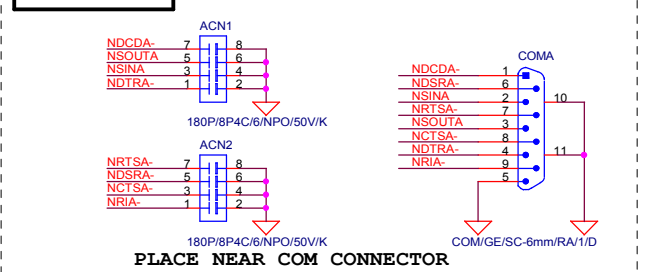
COMA



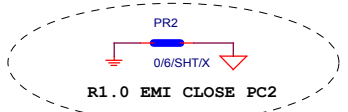
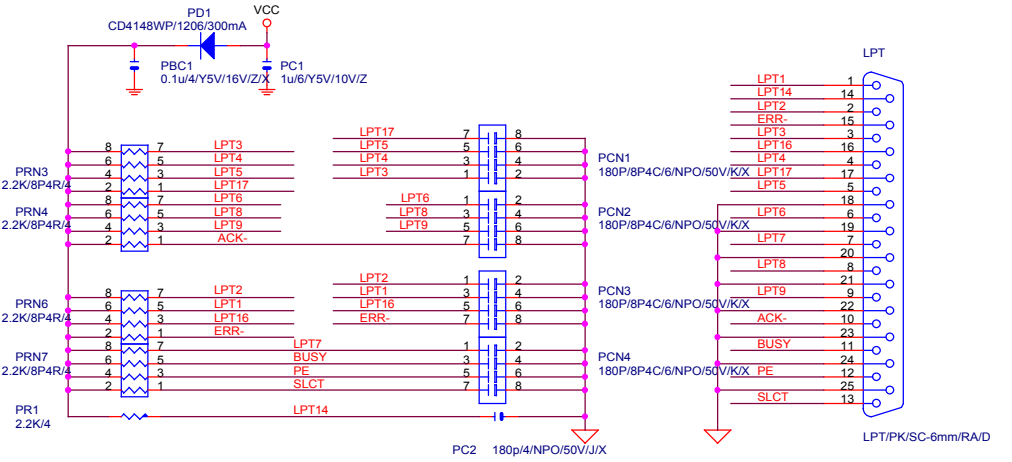
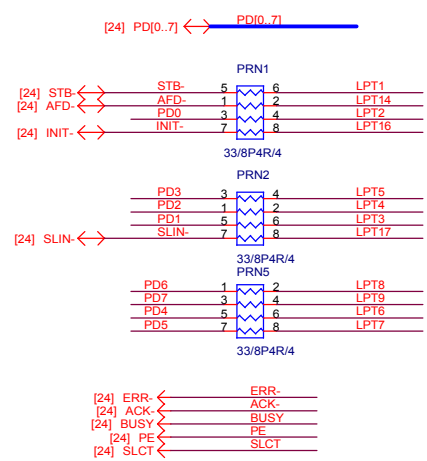
RING IN



EXTERNAL COMA

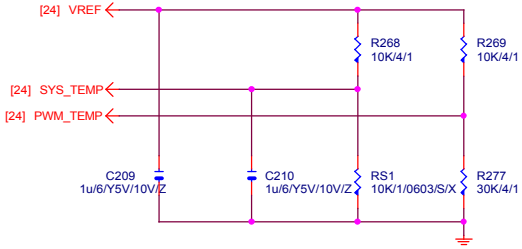


LPT PORT

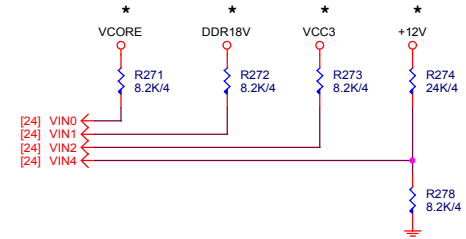


Gigabyte Technology		
Title: COM & LPT PORT		
Size B	Document Number: 945GCM-S2L	Rev: 1.02
Date: Tuesday, October 02, 2007	Sheet: 25 of 33	

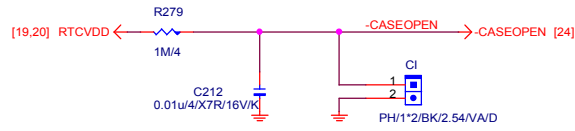
TEMP H/W MONITOR



VOLTAGE-- H/W MONITOR

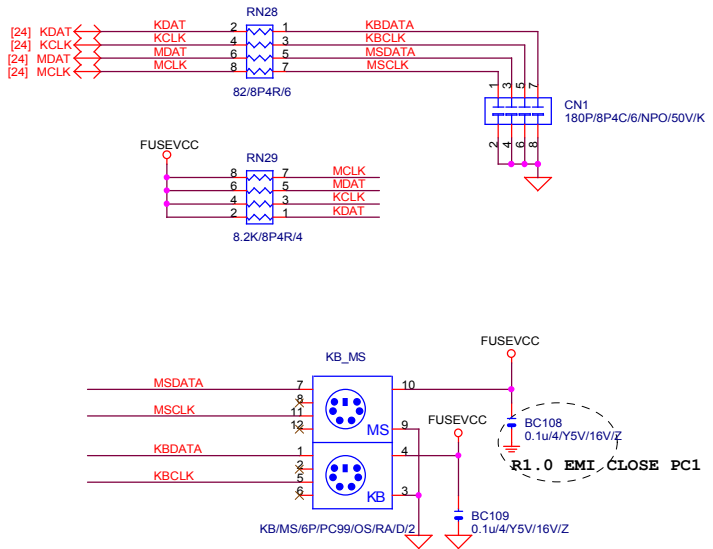


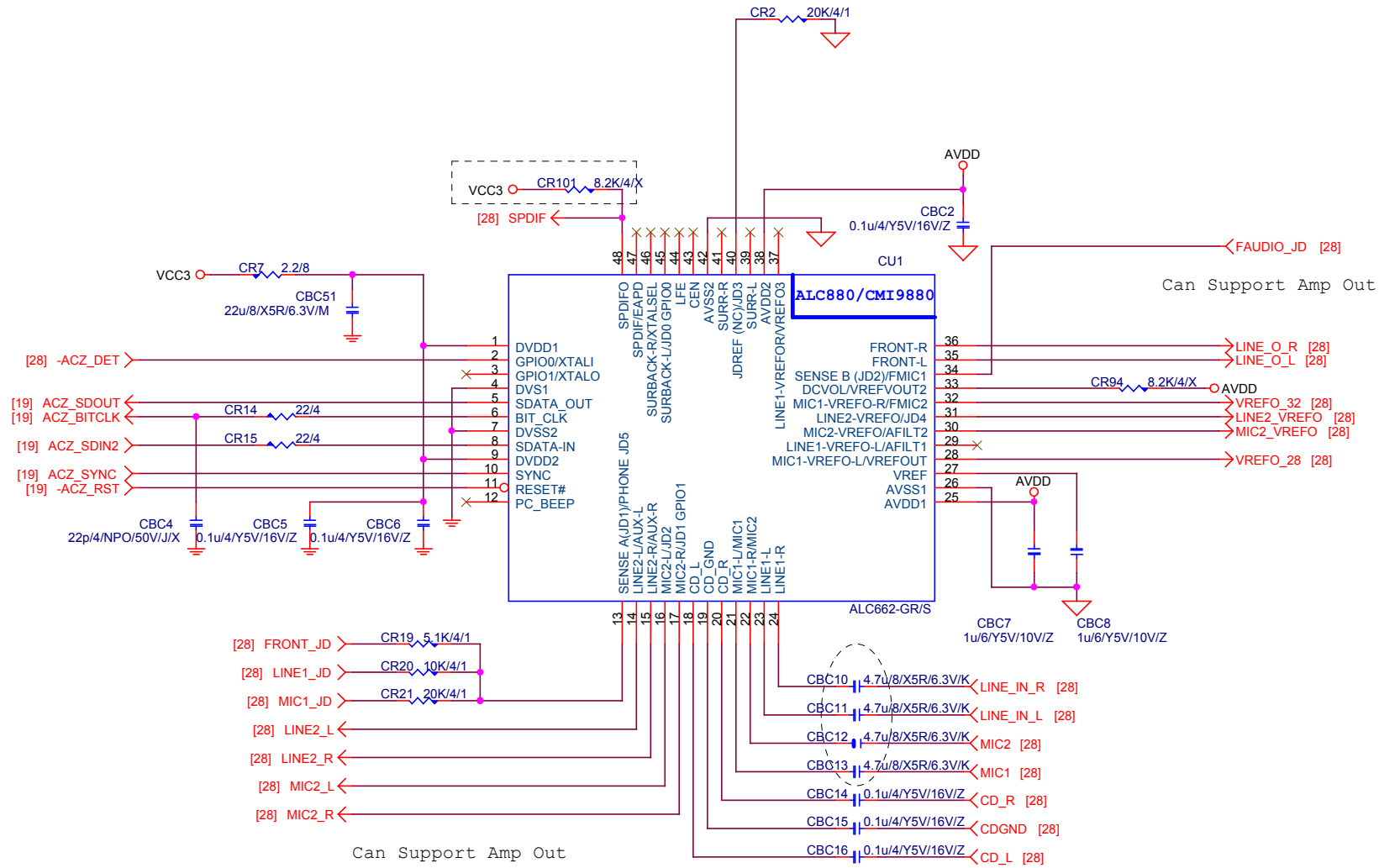
CASE OPEN



Case Open Circuits

KB/MS



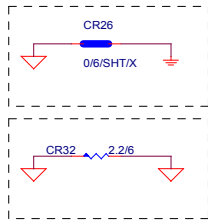
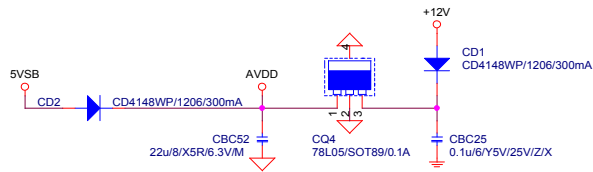


Gigabyte Technology

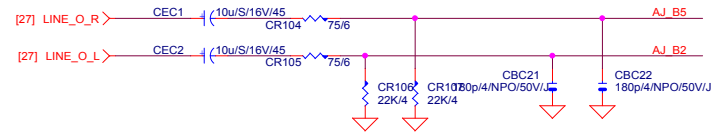
Title		
AZALIA ALC662		
Size Custom	Document Number	Rev
	945GCM-S2L	1.02
Date:	Tuesday, October 02, 2007	Sheet 27 of 33

hexam@msi.com.tw

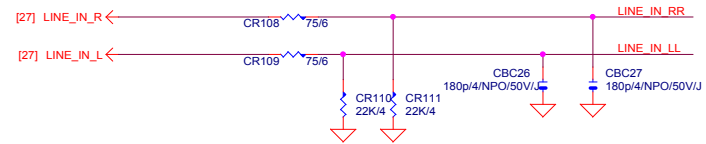
CODEC POWER/EMI PAD



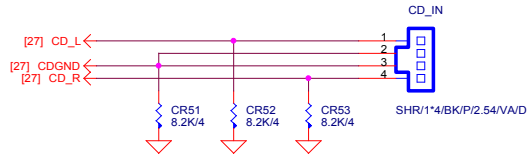
LINE-OUT



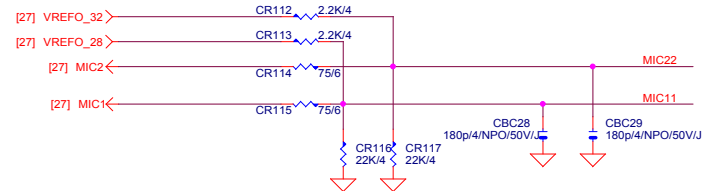
LINE-IN



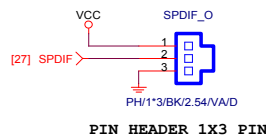
CD IN



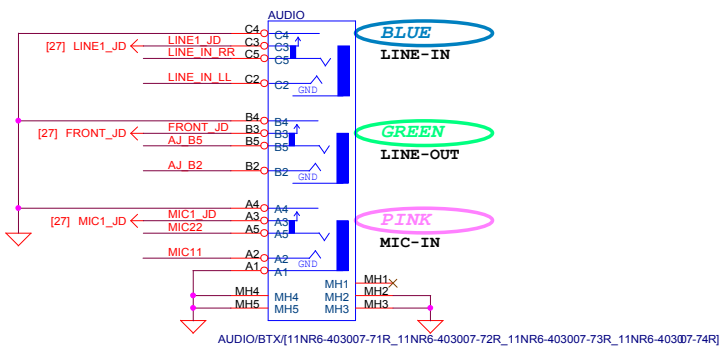
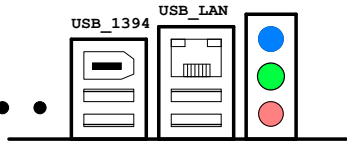
MIC-IN



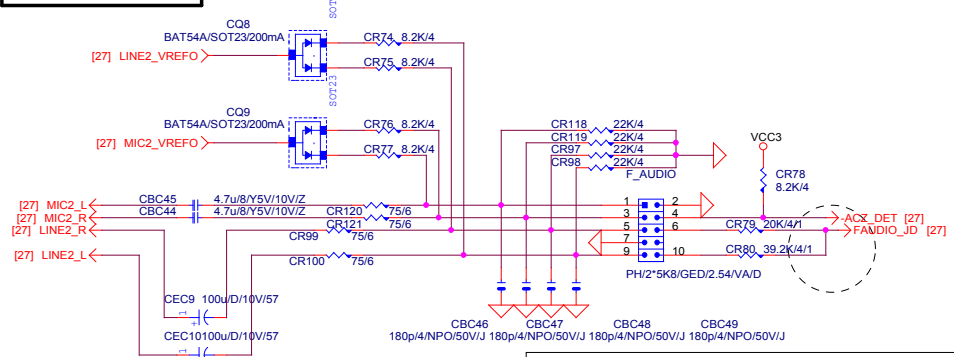
SPDIF



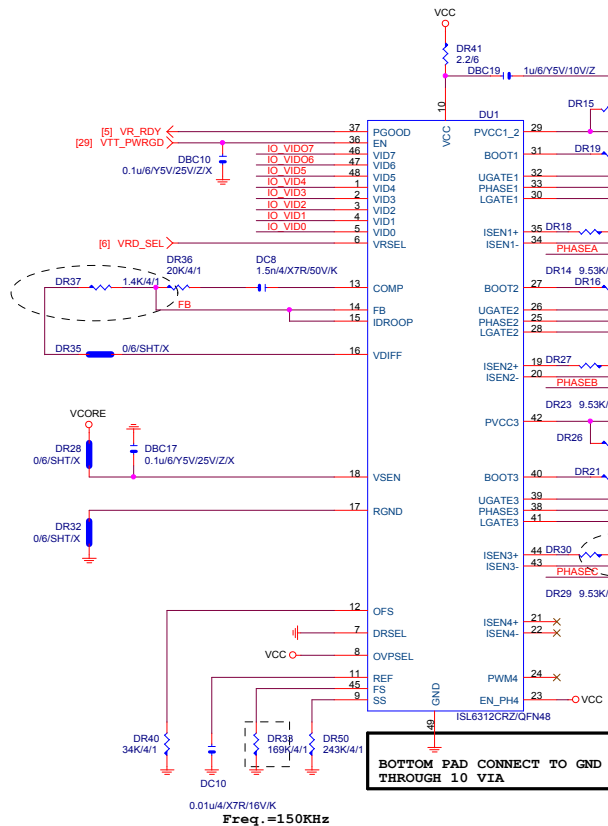
AZALIA JACK



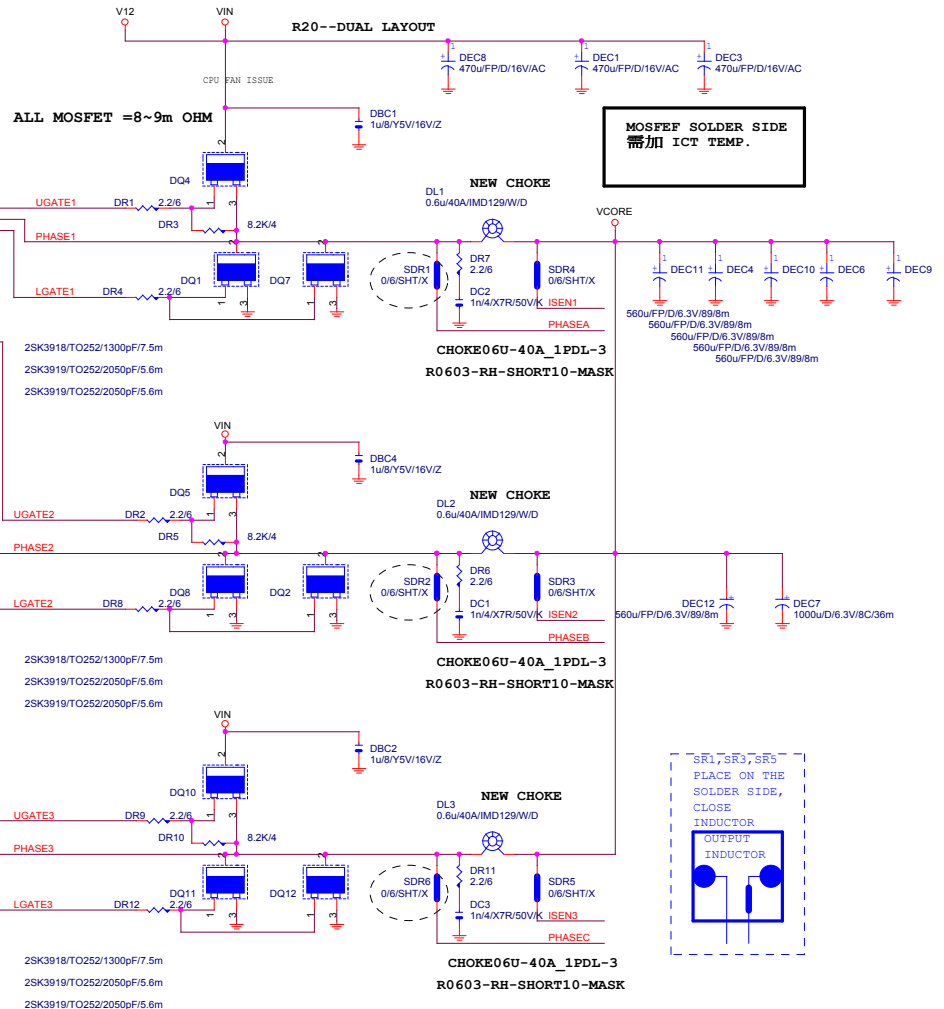
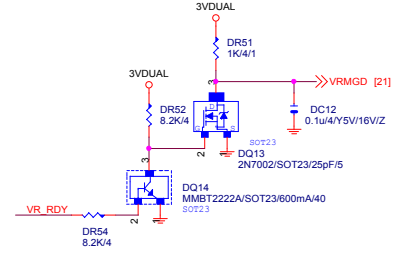
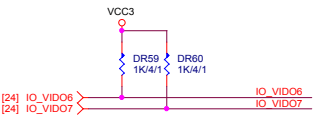
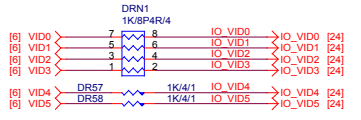
AZALIA FRONT PANEL



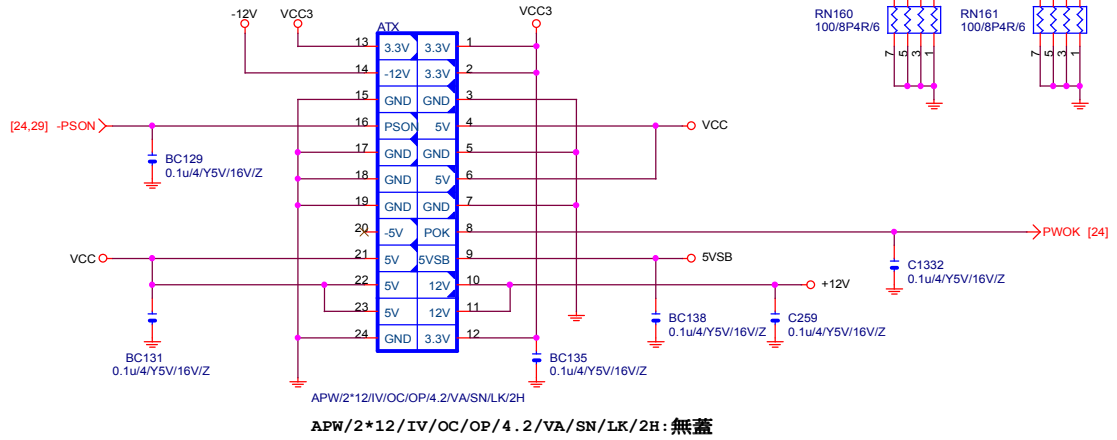
Gigabyte Technology			
AUDIO JACK			
Title	AUDIO JACK		Rev
Size Custom	Document Number	945GCM-S2L	
Date:	Tuesday, October 02, 2007	Sheet	28 of 33
			1.02



BOTTOM PAD CONNECT TO GND THROUGH 10 VIA

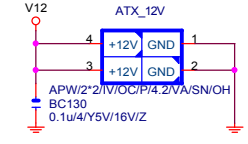
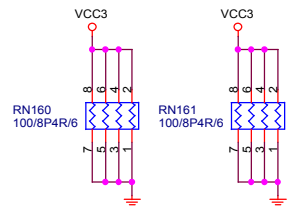


ATXPWR_24-2
ATX POWER CONNECTOR

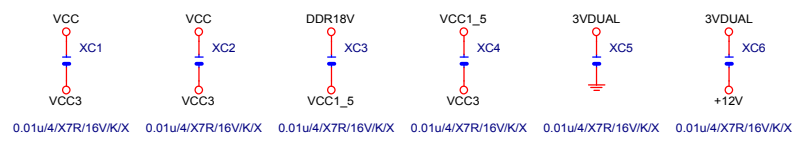
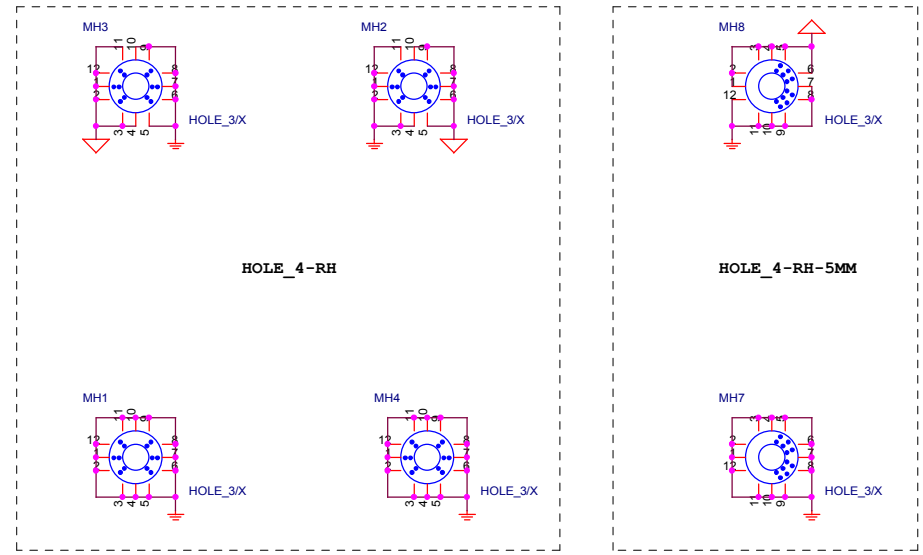
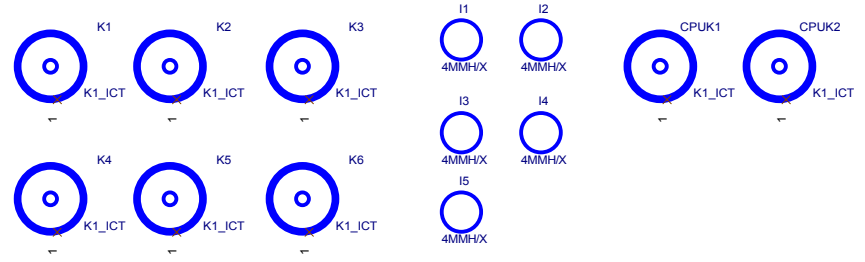
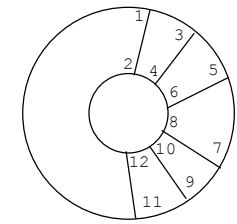
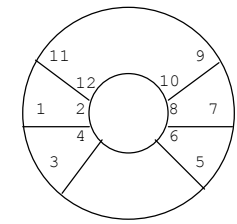


APW/2*12/IV/OC/OP/4.2/VA/SN/LK/2H: 無蓋

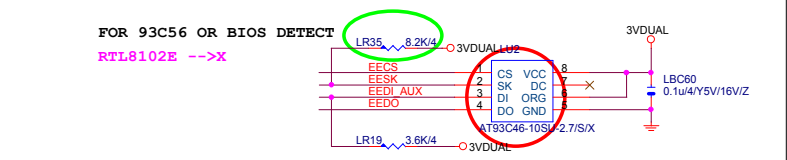
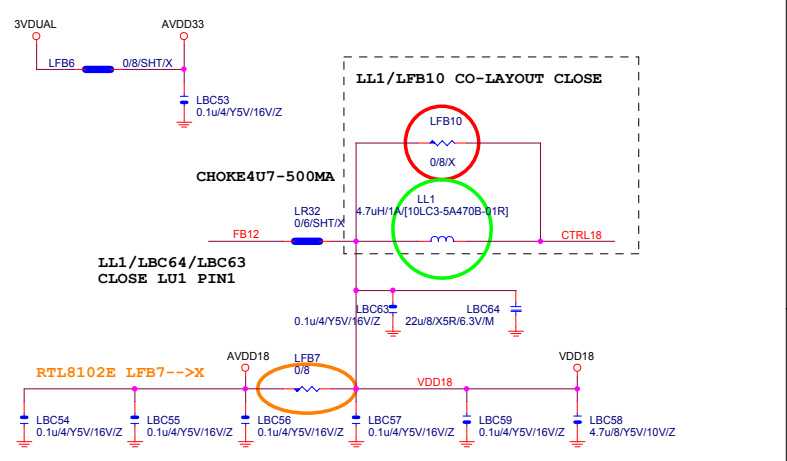
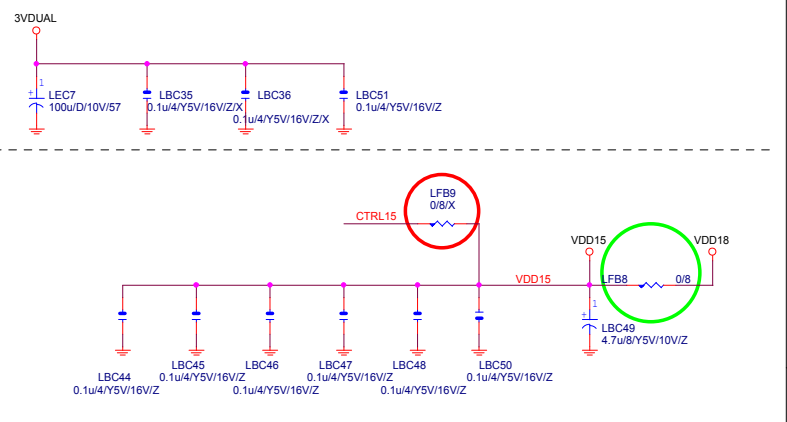
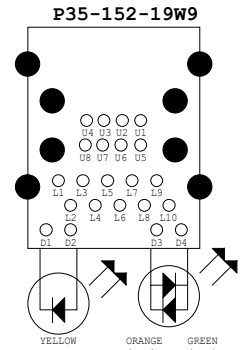
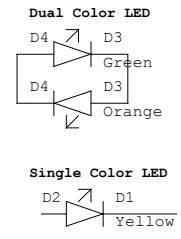
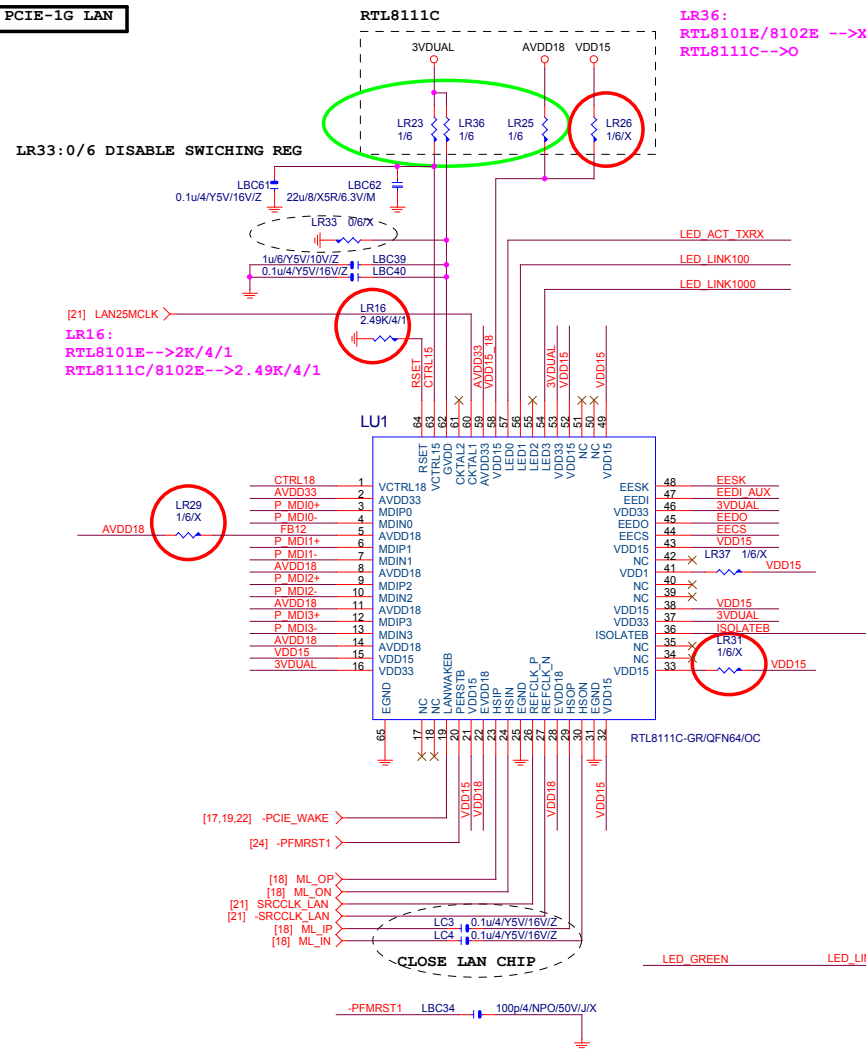
FIX PWR AcBel (ATX-400C-A2ADB)



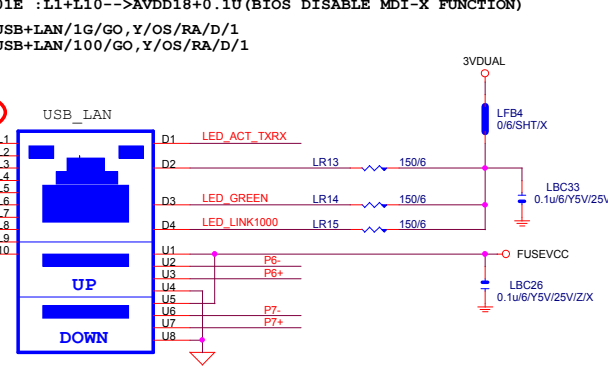
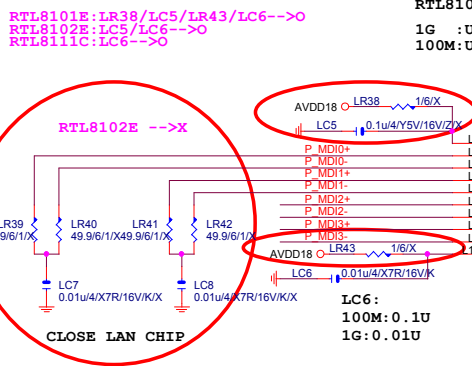
ATX_4-1



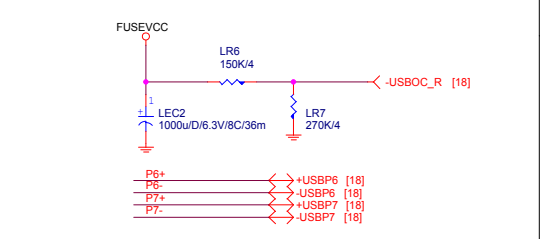
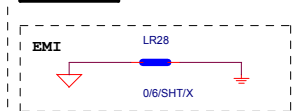
PCIE-1G LAN



USB LAN CONNECTOR

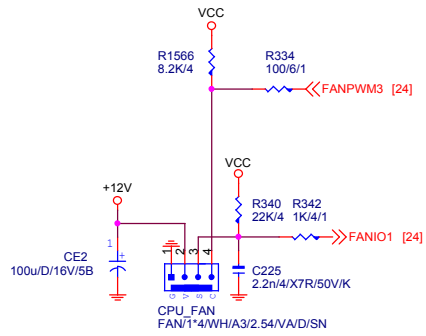


USB LAN

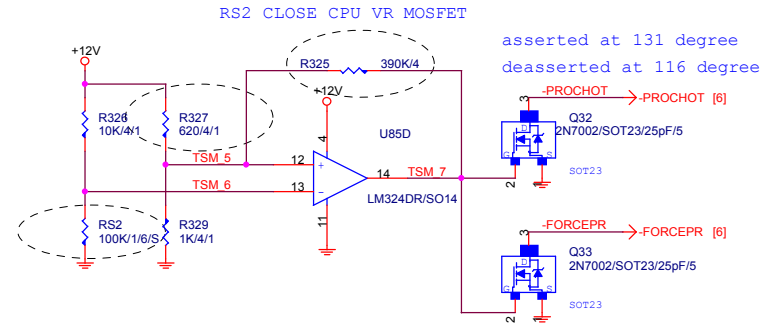


Gigabyte Technology			
REALTEK RTL8111C/8101E			
Document Number	945GCM-S2L		Rev
Date:	Tuesday, October 02, 2007	Sheet	32 of 33

CPU SMART FAN SMART FAN

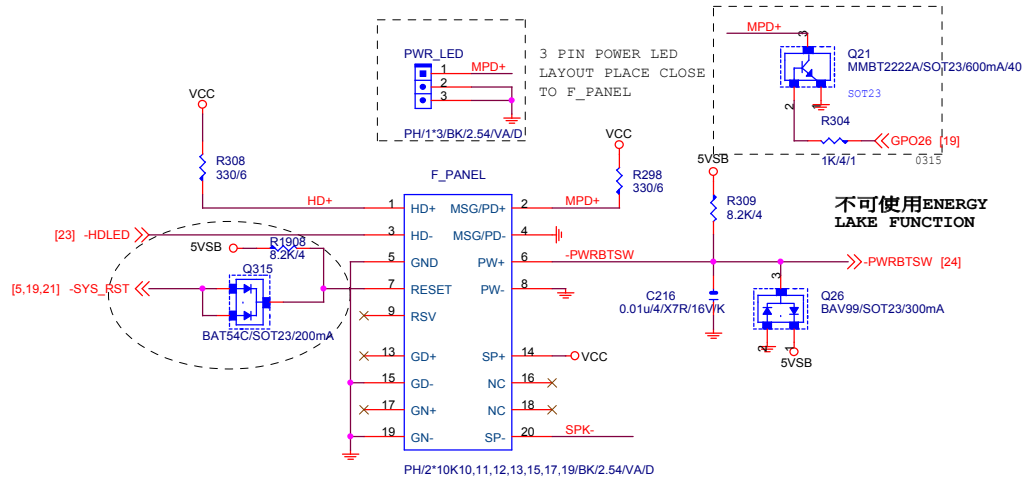


PROCESSOR HOT

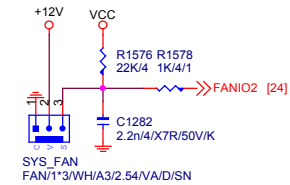


INTEL FRONT PANEL

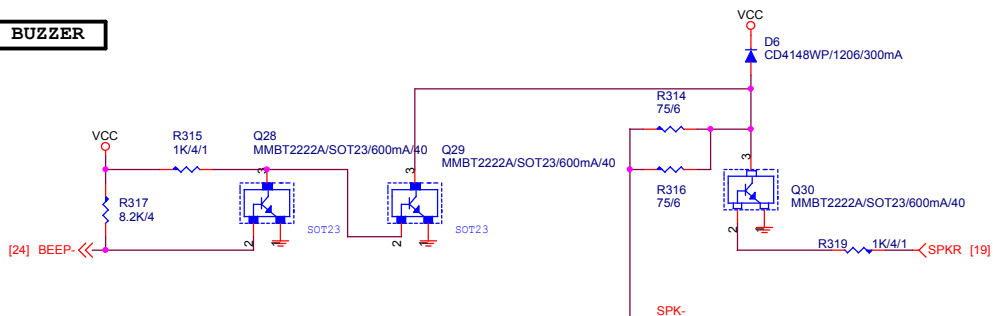
MPD- : (GPIO25--VCCSUS3+HI+HI+DEFINED (C3/C4/S/1/S3/S/4/S5)) -->INTEL



SYS_FAN



BUZZER



Gigabyte Technology			
FRONT PANEL			
945GCM-S2L			
Size Custom	Document Number	Rev	1.02
Date:	Tuesday, October 02, 2007	Sheet	33 of 33