

Model Name: GA-H67M-D2-B3

Revision 1.0

SHEET

TITLE

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TITLE

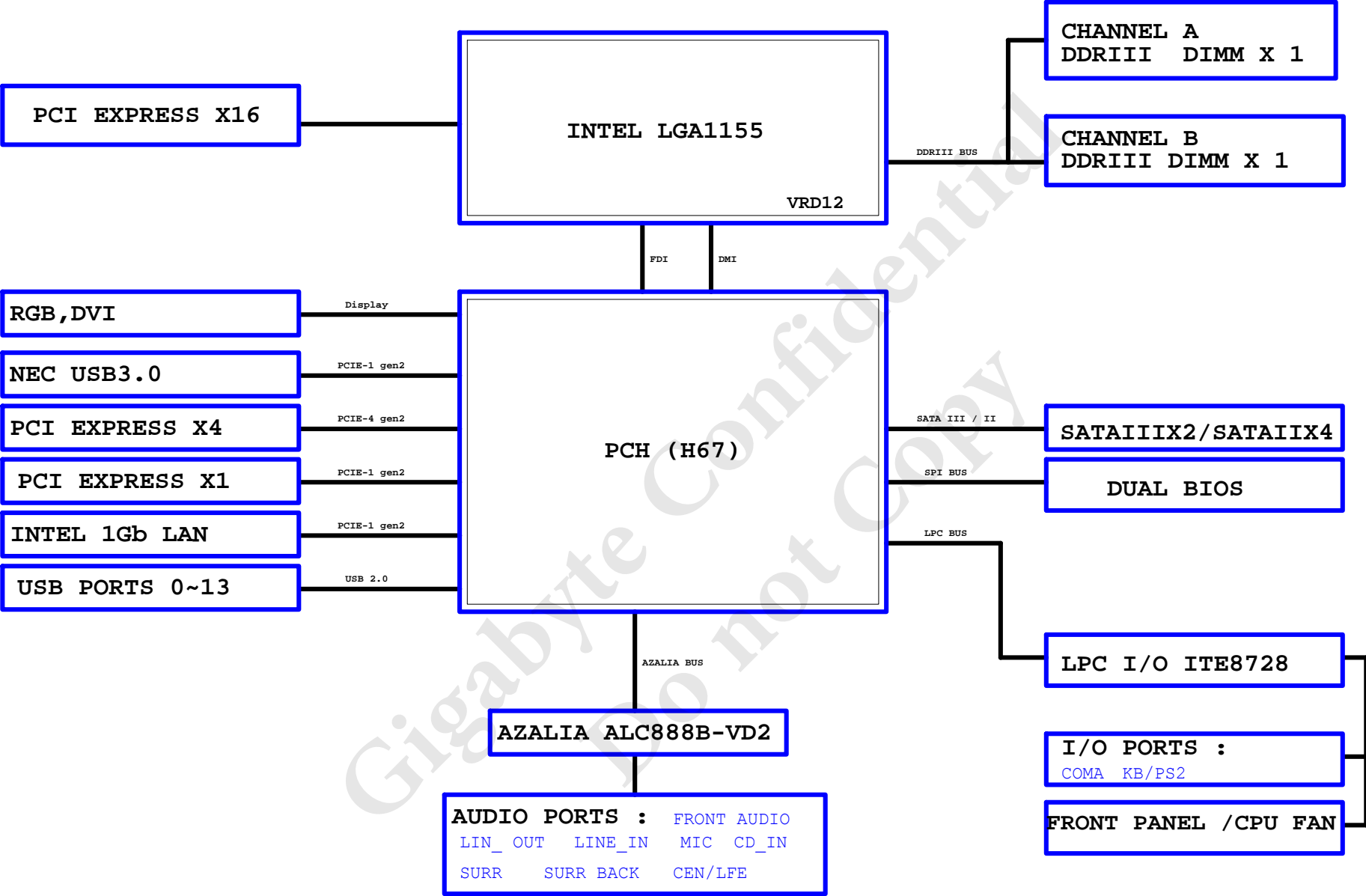
01	COVER SHEET
02	BOM & PCB MODIFY HISTORY
03	BLOCK DIAGRAM
04	CPU_LGA1155-A
05	CPU_LGA1155-B
06	CPU_LGA1155-C
07	DDR III CHANNEL A
08	DDR III CHANNEL B
09	PCH_FDI,DMI,USB,PCIE,NVRAM
10	PCH_DP,CLK BUFFER
11	PCH_HOST,SATA,PCI
12	PCH_GPIO,CTRL,AUDIO
13	PCH_PWR,GND
14	PCI EXPRESS*16 SLOT
15	PCI EXPRESS*4 SLOT
16	PCI EXPRESS*1x2 SLOT
17	ITE 8728 LPC IO
18	COM,KB_USB,USB_ESATA,-PROCHOT
19	HWM,FAN CTRL,OV,COMB
20	DUAL BIOS
21	FP,FUSB,SPK,SATALED
22	ALC888B-VD2
23	REAR AUDIO JACK
24	REALTEK RTL8111E
25	HDMI/DVI
26	USB3.0-UP720200
27	DISCRETE POWER

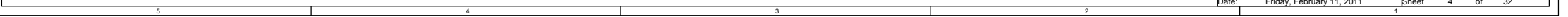
28	ATX,-S_WARN,-S_ACK,5VDUAL1
29	ISL95870_CPU_VTT
30	VCORE ISL6364_1
31	VCORE ISL6364_2
32	VCORE ISL6364_3
33	VCORE ISL6364_4

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Title		
Cover Sheet		
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BLOCK DIAGRAM





CPUA

MAAA0	AV27	SA_MA[0]	SA_DSQ[0]	AK3	DQSA0
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MAAA3	AV23	SA_MA[3]			
MAAA4	AV23	SA_MA[3]	SA_DQ[0]	AJ3	MDA0
MAAA5	AT24	SA_MA[4]	SA_DQ[1]	AJ4	MDA1
MAAA6	AT23	SA_MA[5]	SA_DQ[2]	AL3	MDA2
MAAA7	AV22	SA_MA[6]	SA_DQ[3]	AL4	MDA3
MAAA8	AU22	SA_MA[7]	SA_DQ[4]	AJ2	MDA4
MAAA9	AT22	SA_MA[8]	SA_DQ[5]	AJ1	MDA5
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		SA_MA[15]			
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			SA_DQ[20]	AU2	MDA20
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			SA_DQ[35]	AU36	MDA35
			SA_DQ[36]	AW35	MDA36
			SA_DQ[37]	AY36	MDA37
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			SA_DQ[39]	AU37	MDA39
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DDR_0

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LGA1155[10SC1-F01155-01R_10SC1-F01155-02R]

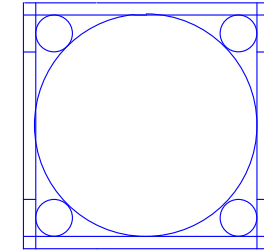
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MAAB6	AM18	SB_MA[6]	SB_DQ[2]	AJ9	MDB2
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MAAB10	AN23	SB_MA[10]	SB_DQ[6]	AJ6	MDB6
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			SB_DQ[33]	AR29	MDB33
			SB_DQ[34]	AL28	MDB34
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LGA1155[10SC1-F01155-01R_10SC1-F01155-02R]

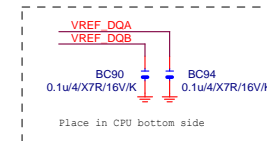
CR
CPU RETENTION/X

Need check the new CPU ME

CPU_P

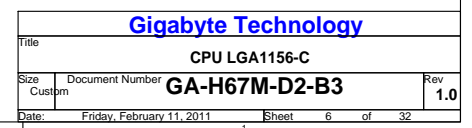


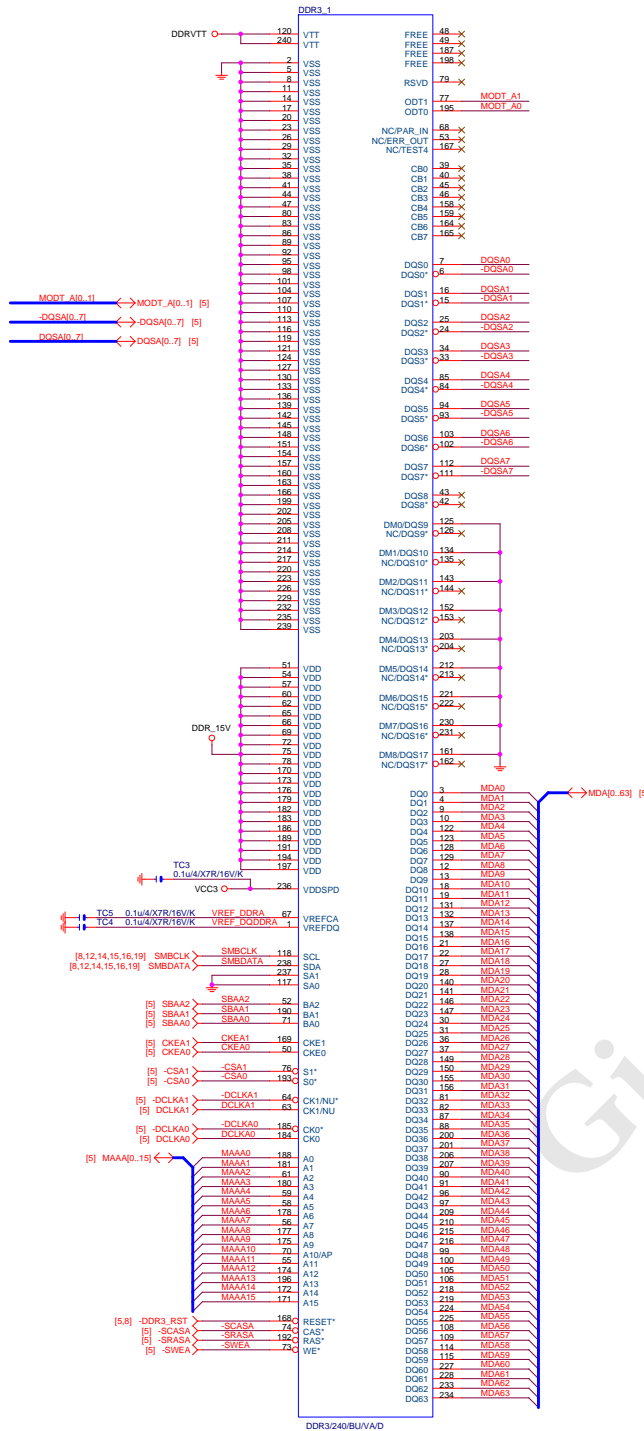
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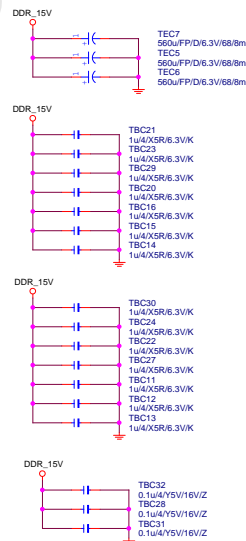
Gigabyte Technology

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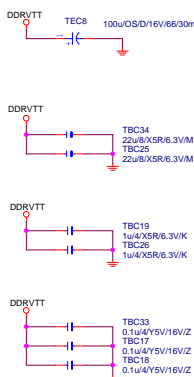


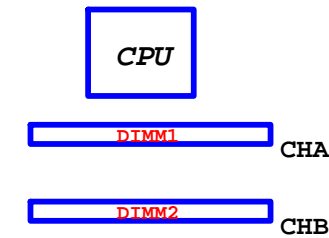
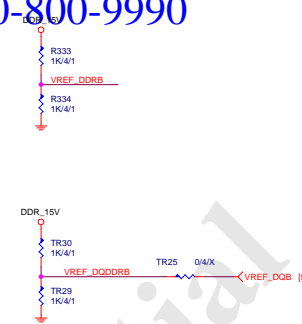
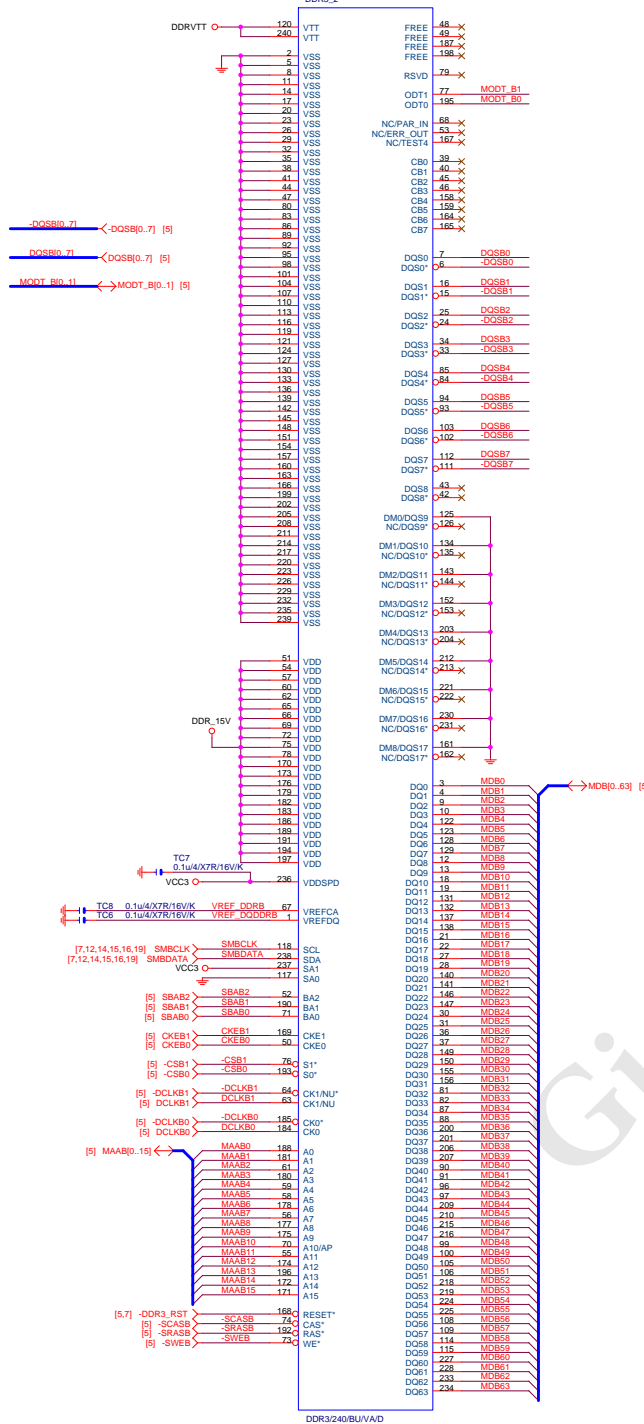


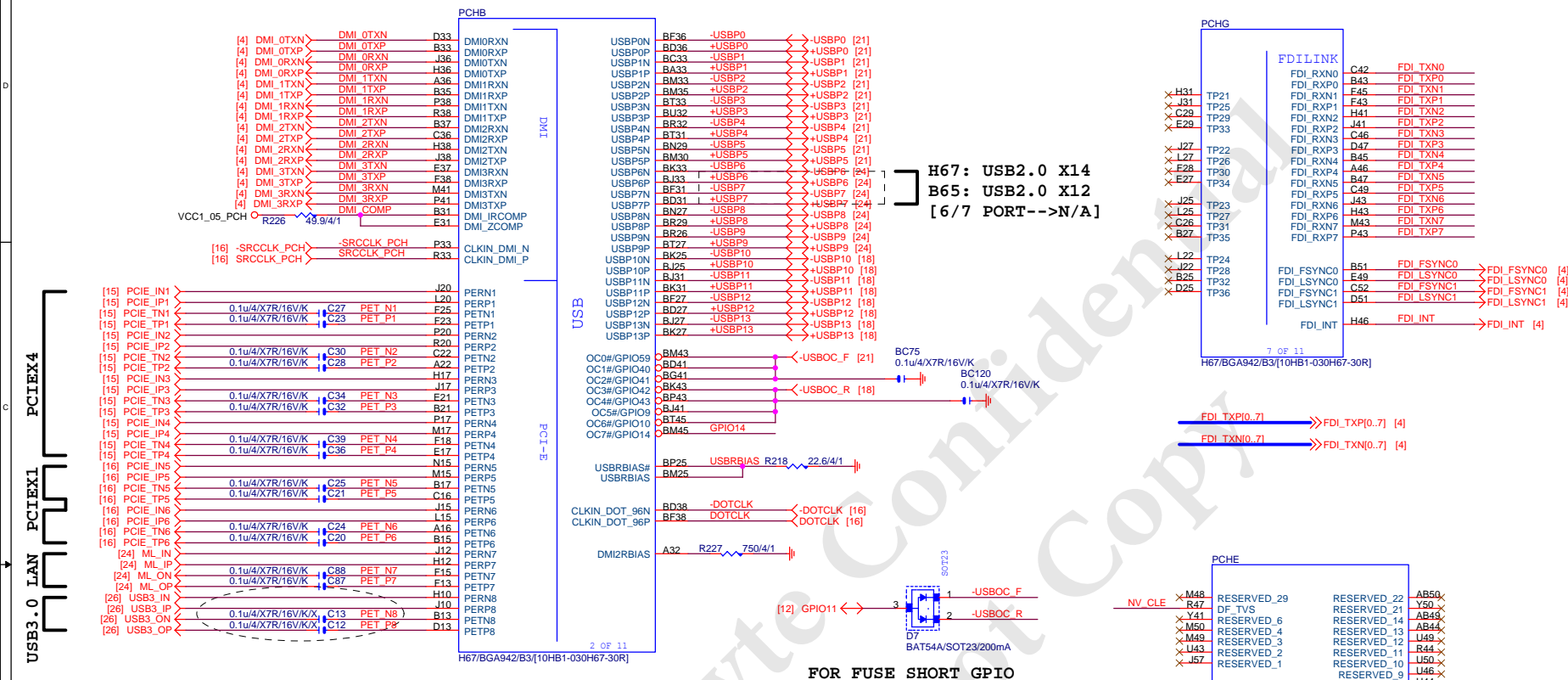
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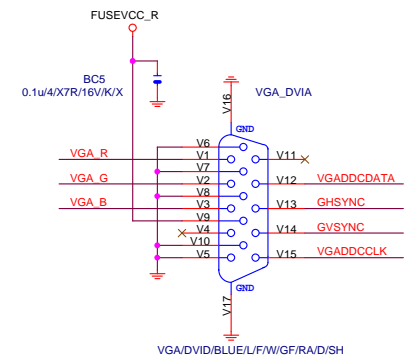
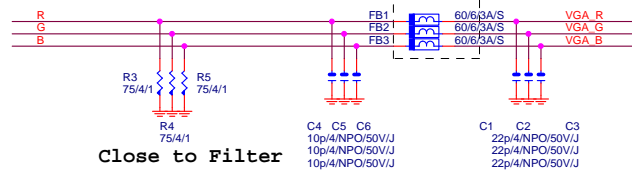
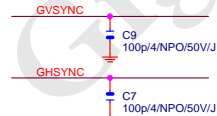
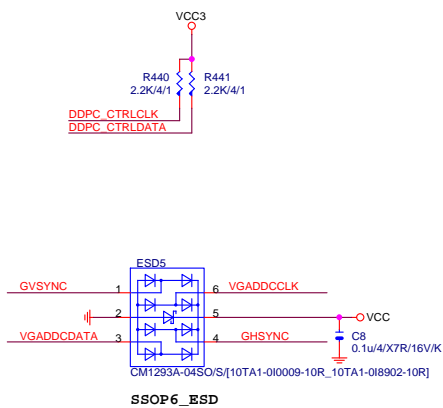
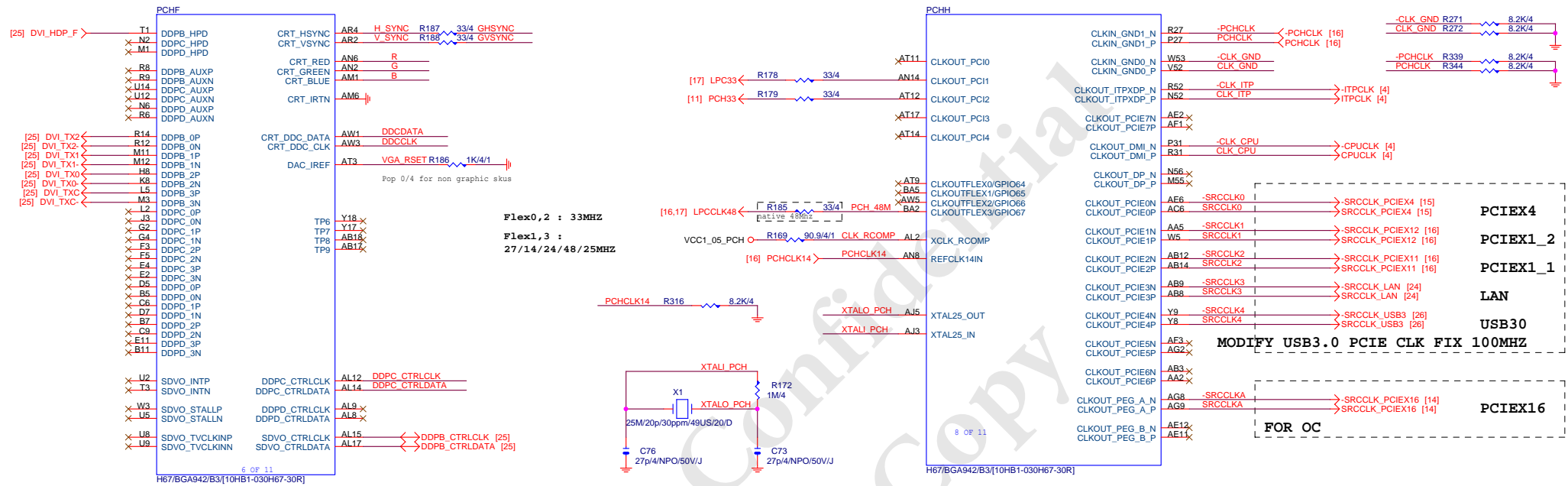


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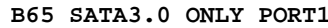


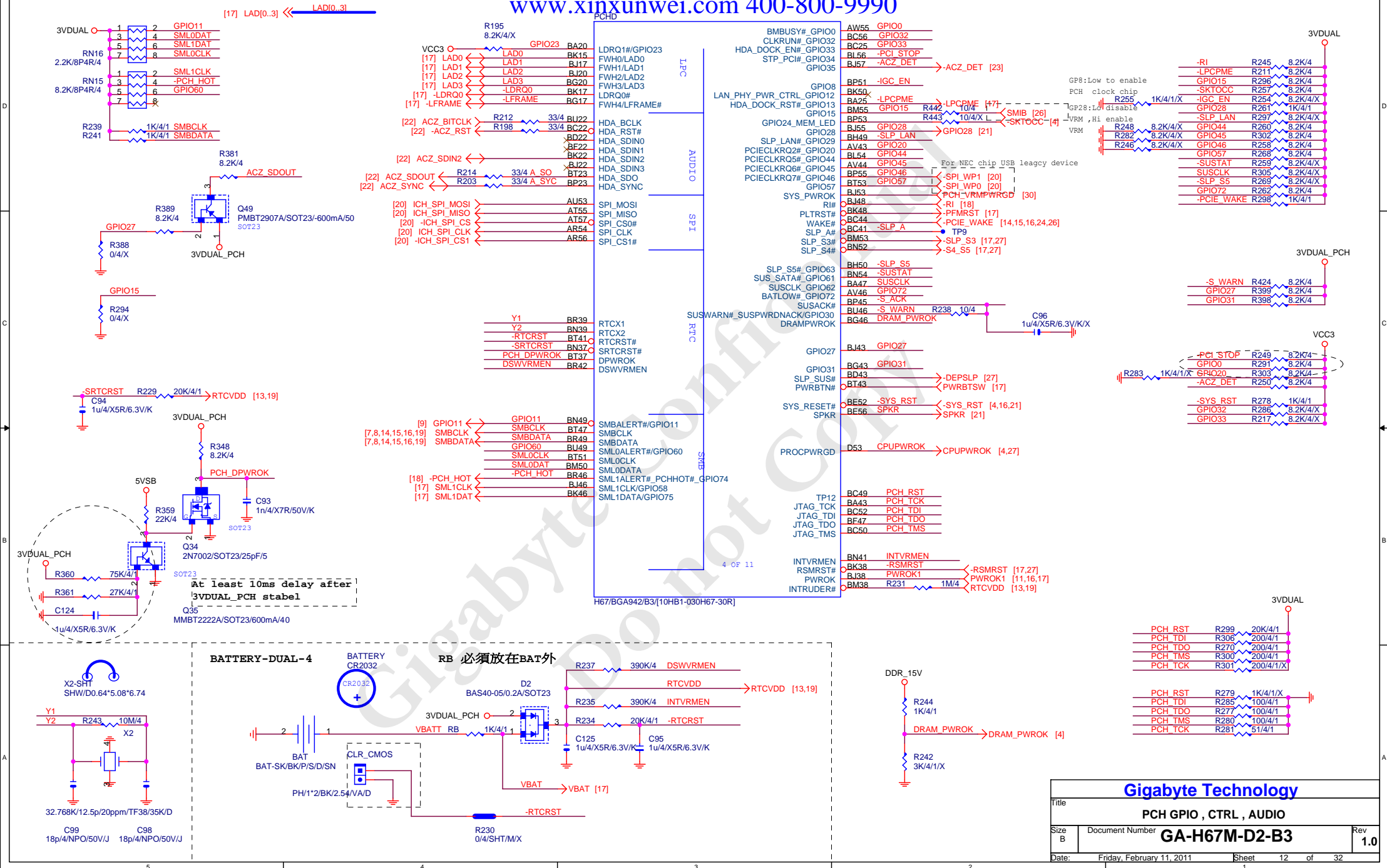


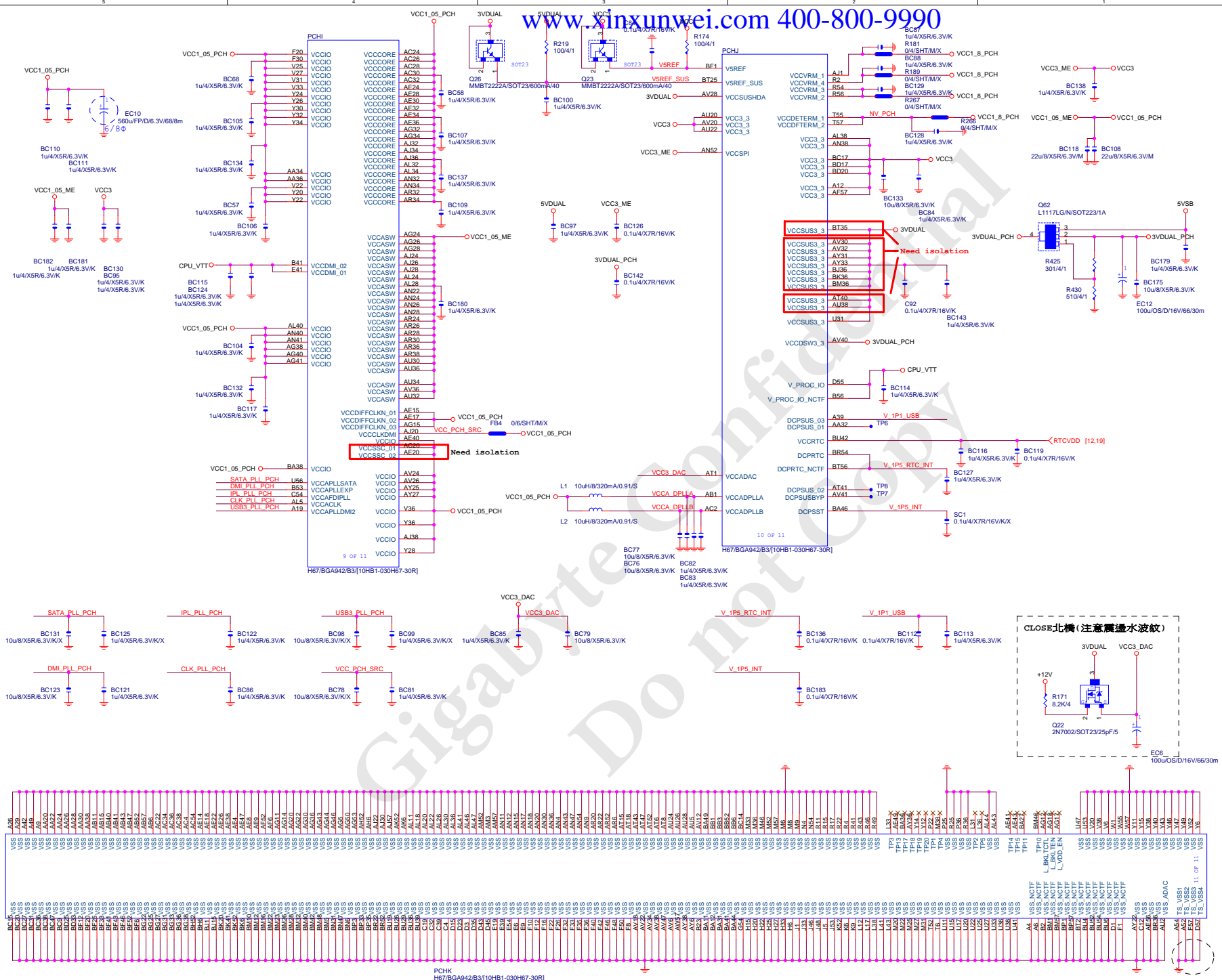


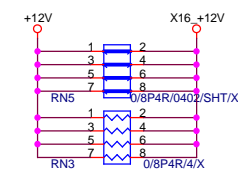
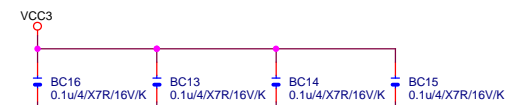
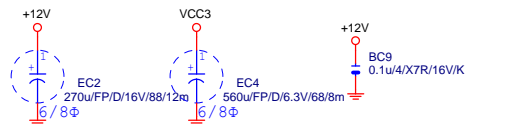


Gigabyte Technology			
PCH DISPLAY, CLK BUFFER			
GA-H67M-D2-B3			
Title	Document Number	Size	Rev
Custom		10	1.0
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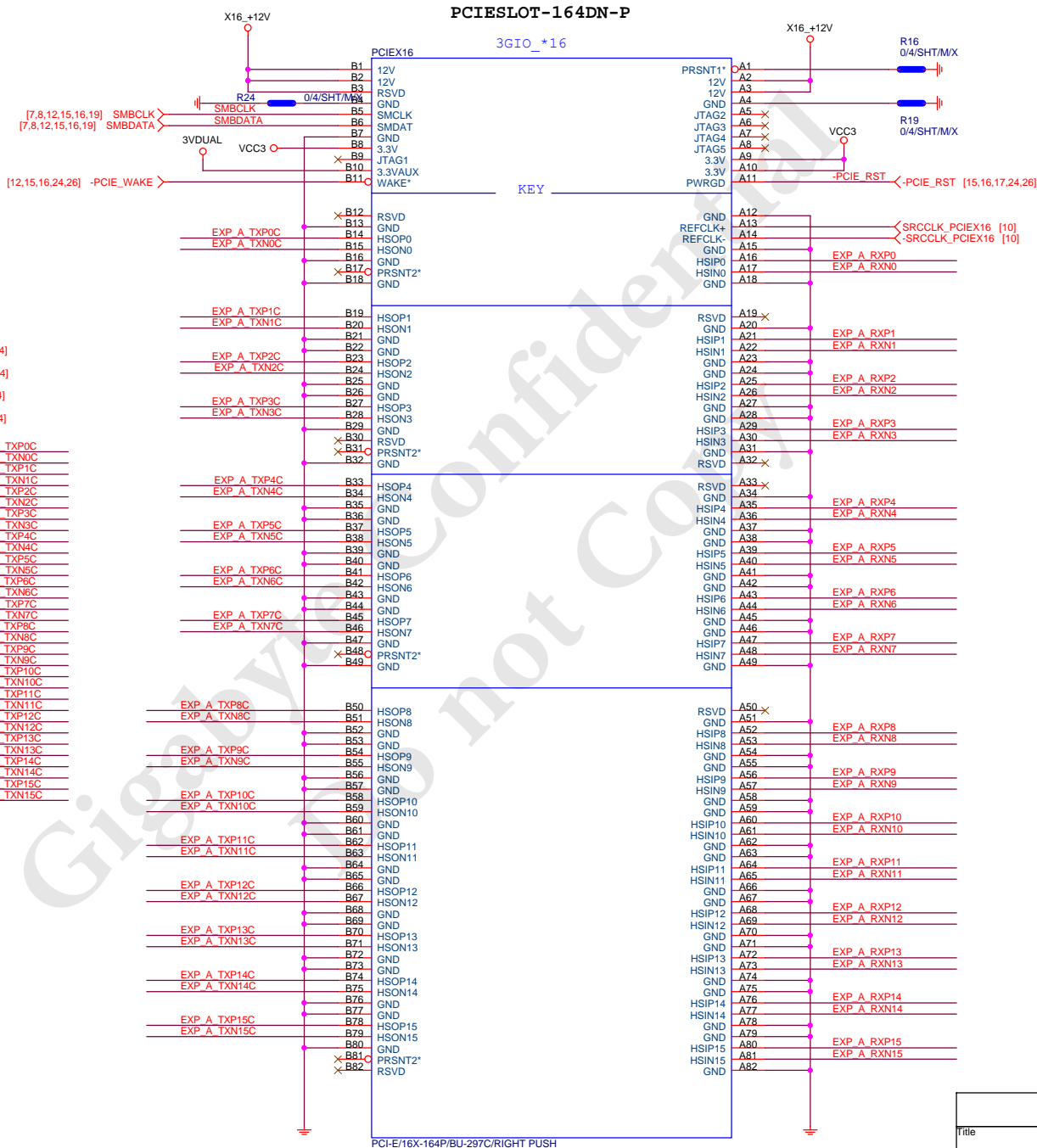


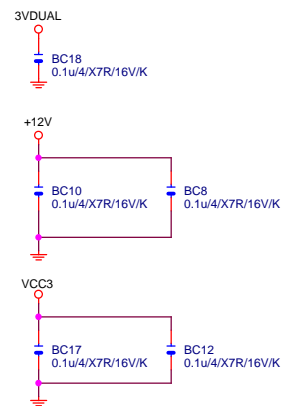




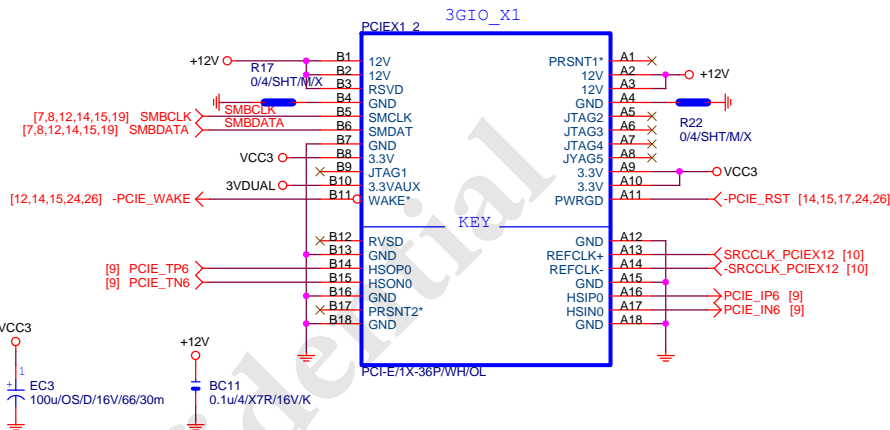
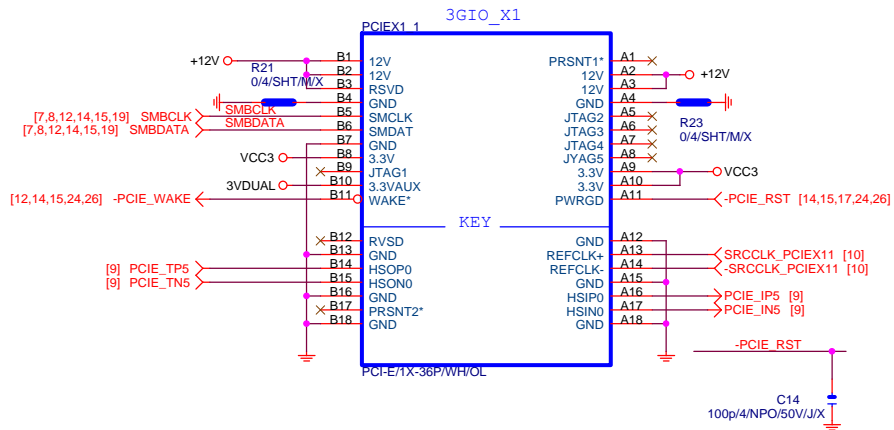
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EXP_A_TXP1	C29	0.22u4/X5R/6.3V/K	EXP_A_TXP1C
EXP_A_TXN1	C31	0.22u4/X5R/6.3V/K	EXP_A_TXN1C
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EXP_A_TXN8	C64	0.22u4/X5R/6.3V/K	EXP_A_TXN8C
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EXP_A_TXP10	C69	0.22u4/X5R/6.3V/K	EXP_A_TXP10C
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EXP_A_TXP11	C71	0.22u4/X5R/6.3V/K	EXP_A_TXP11C
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EXP_A_TXN14	C80	0.22u4/X5R/6.3V/K	EXP_A_TXN14C
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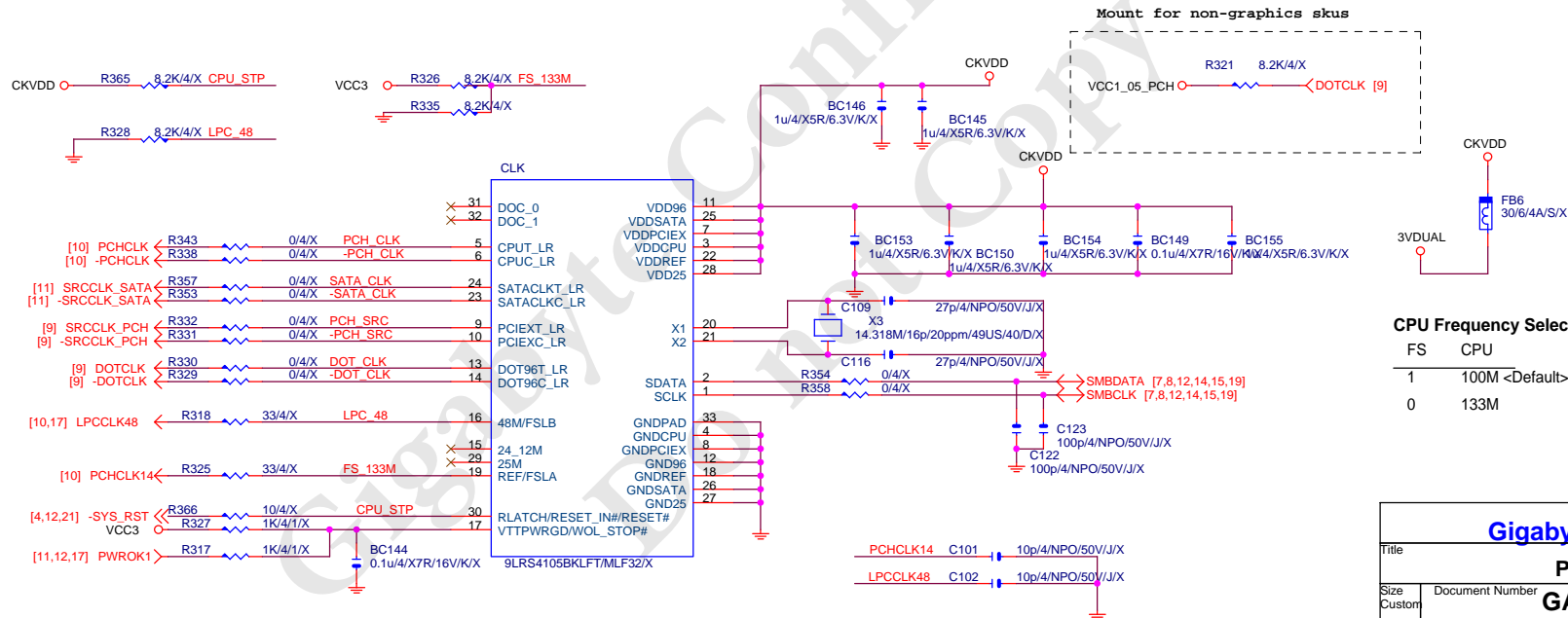


PCIEX1



CLK GEN

N/A



CPU Frequency Selection

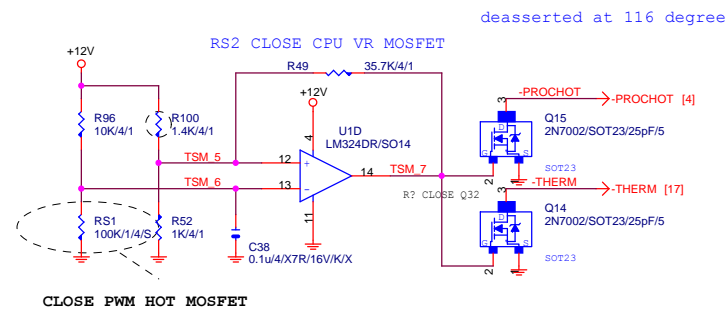
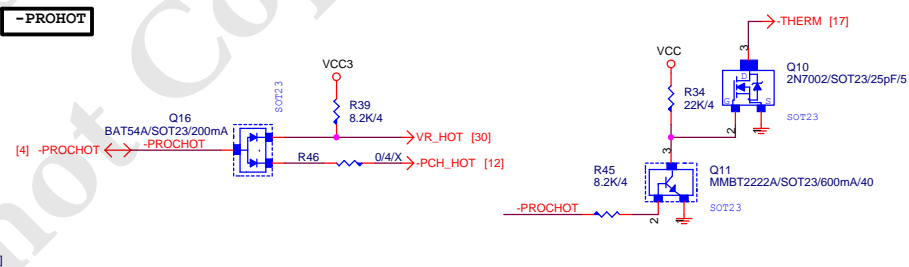
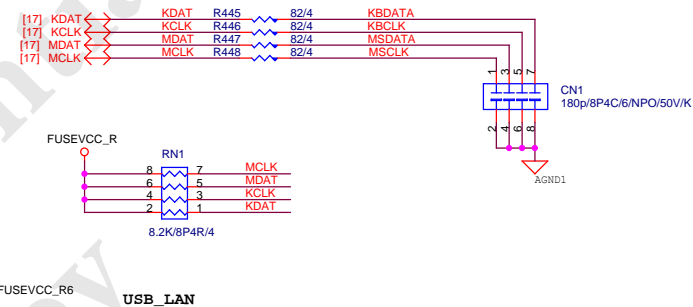
FS	CPU
1	100M <Default>
0	133M

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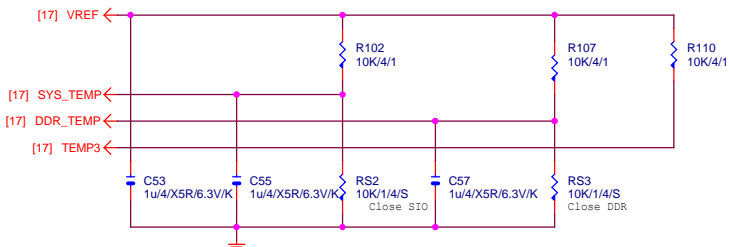
PCIEX1,X2

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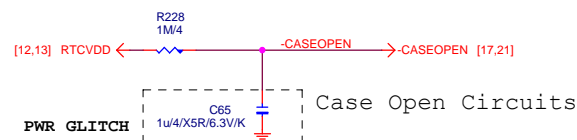
[illegible]



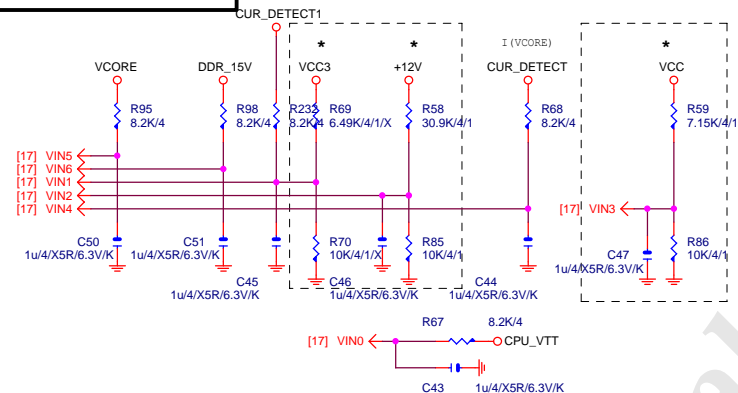
TEMP H/W MONITOR



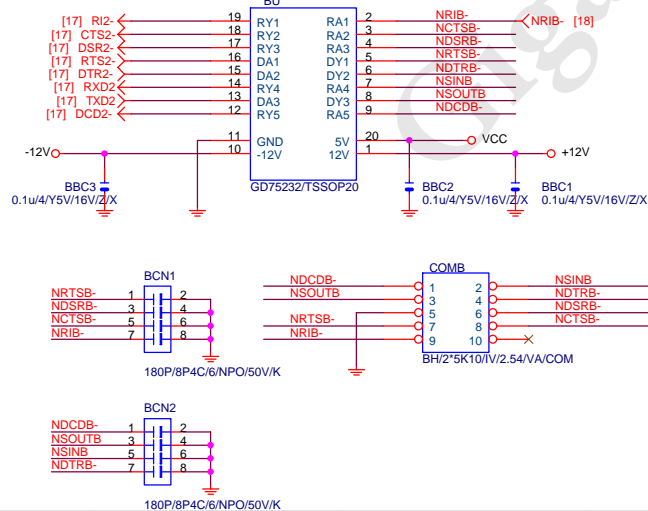
CASE OPEN



VOLTAGE-- H/W MONITOR

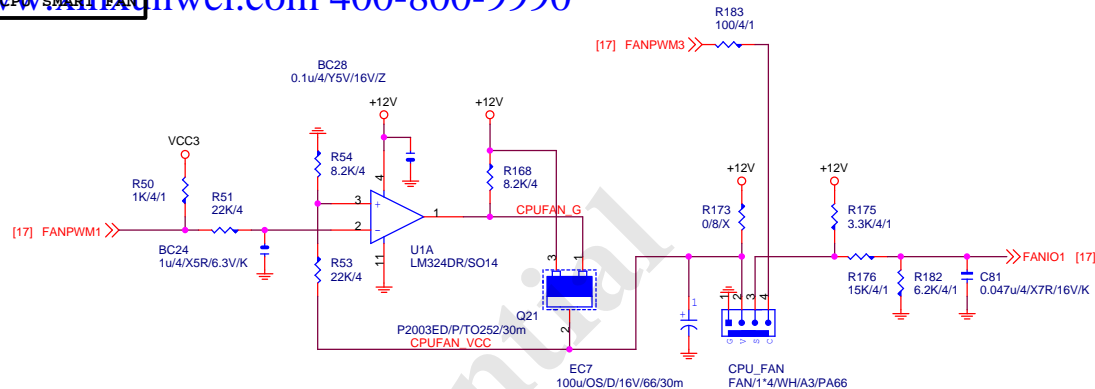


COMB

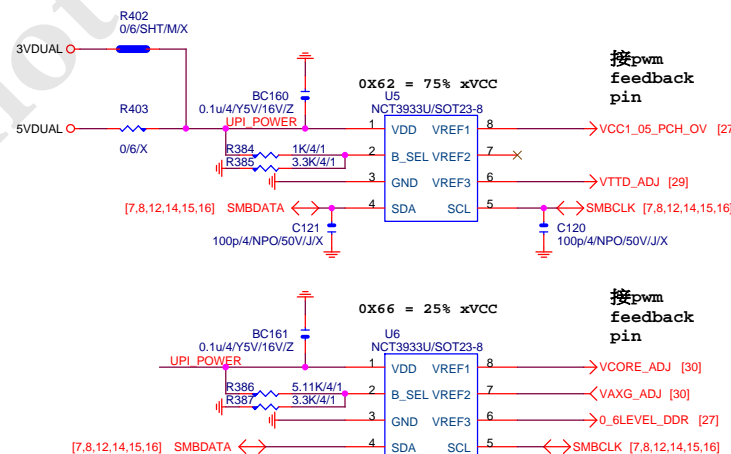
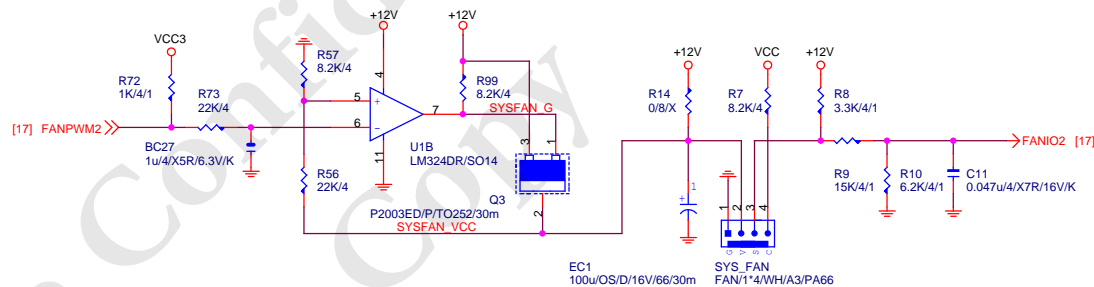


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CPU SMART FAN



SYS SMART FAN

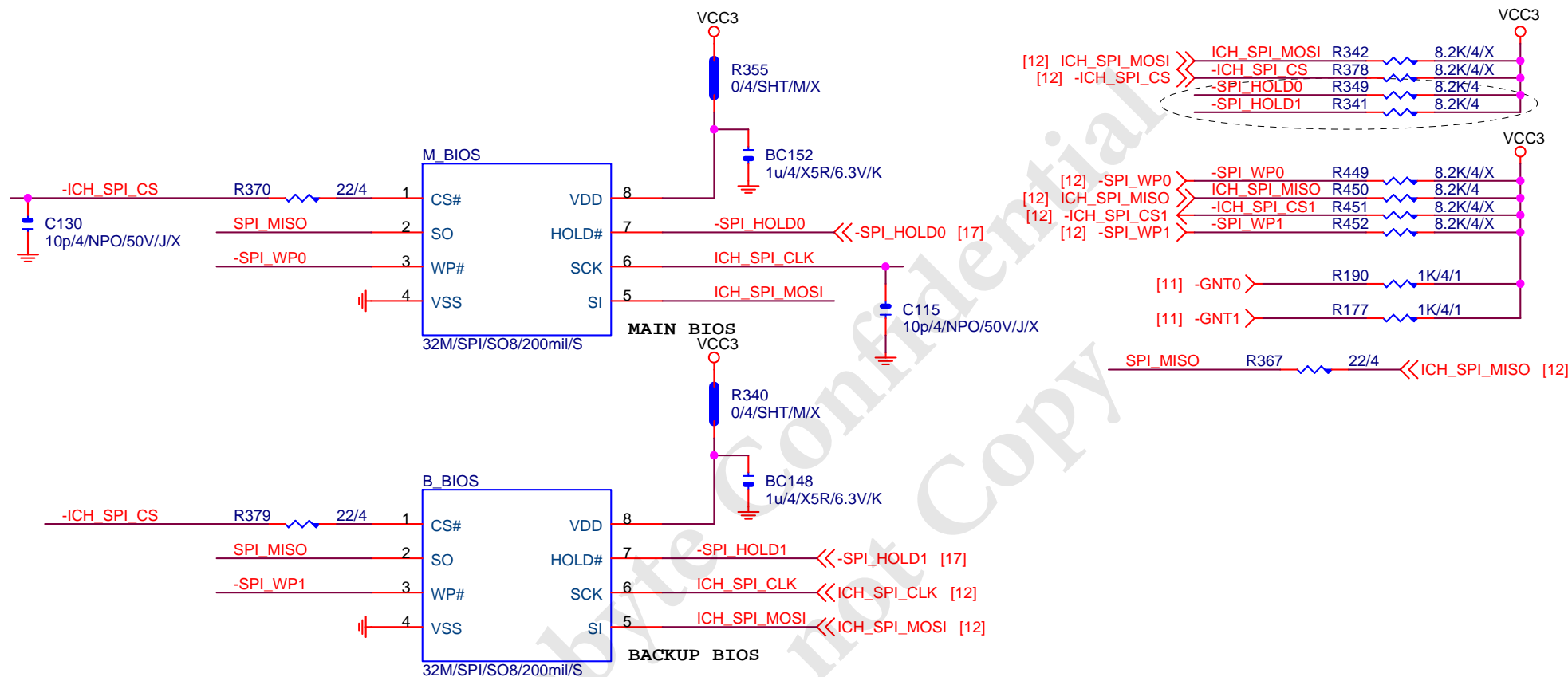


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Title			HWM,FAN CTRL,OV
Size			GA-H67M-D2-B3
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DUAL BIOS

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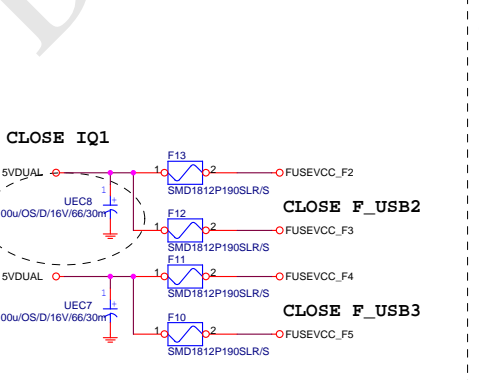
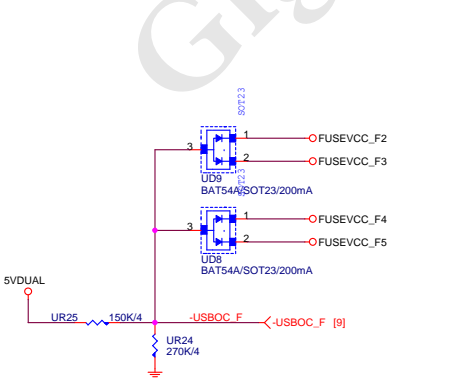
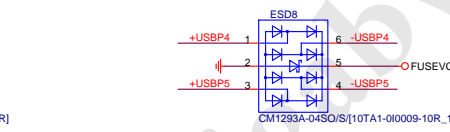
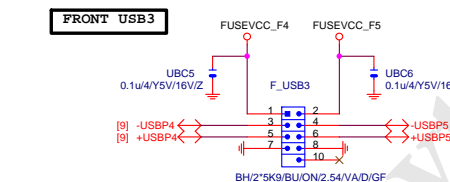
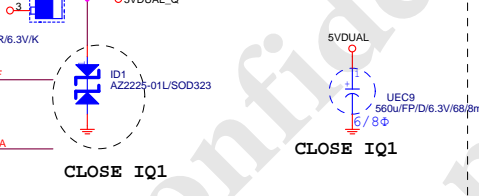
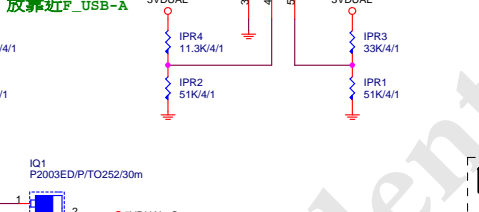
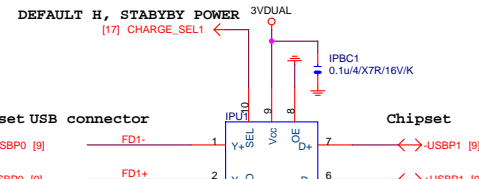


BOOT DEVICE	GNT1	GNT0
LPC	0	0
PCI	0	1
SPI	1	1

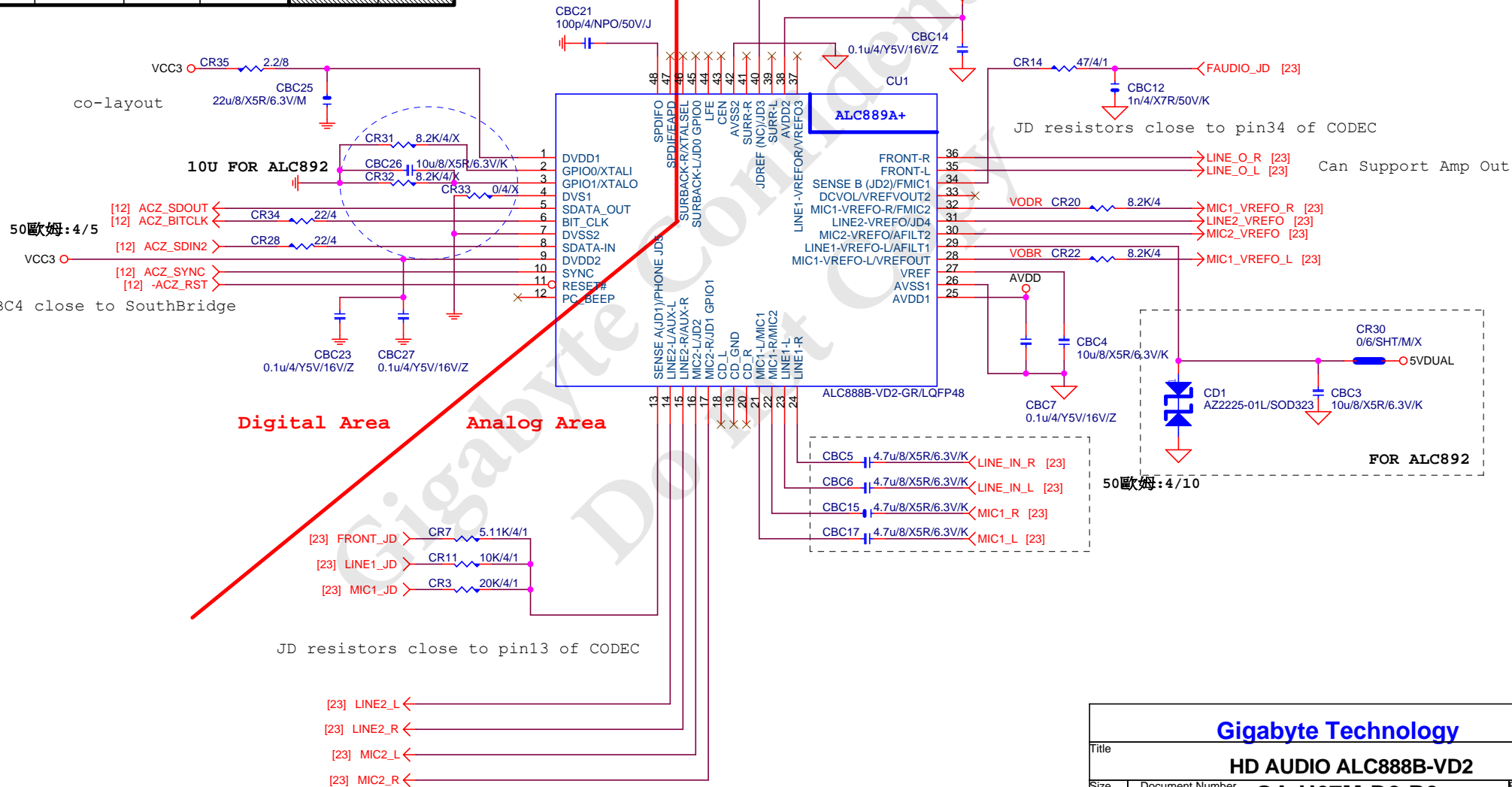
1 means floating
0 means PD 1K

Gigabyte Technology

Title		
DUAL BIOS		
Size A	Document Number GA-H67M-D2-B3	Rev 1.0
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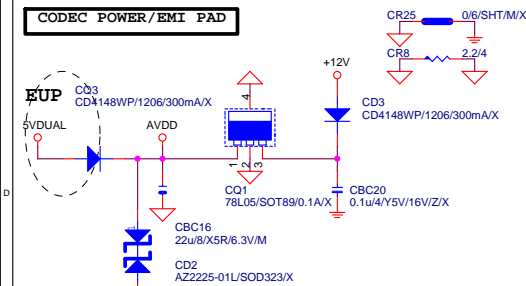
	ALC888B	ALC888-VA	ALC889A	ALC888-VD	ALC892
CR59	X	O	O	O	O
CR53, 58	X	X	O	X	X
CR56	O	O	O	O	X
CR63	X	X	X	X	O
CR34	20K/1%	20K/1%	20K/0.1%	20K/1%	20K/1%



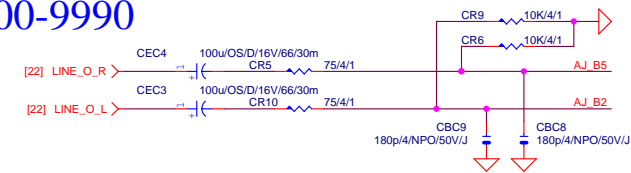
Gigabyte Technology

Title			HD AUDIO ALC888B-VD2	
Size	Document Number	GA-H67M-D2-B3		Rev
Custom				1.0
Date:	Friday, February 11, 2011	Sheet	22	of 32

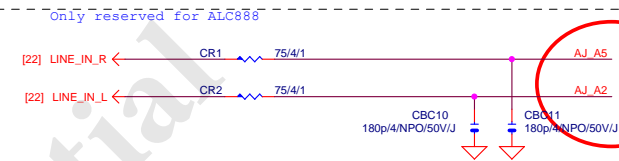
CODEC POWER/EMI PAD



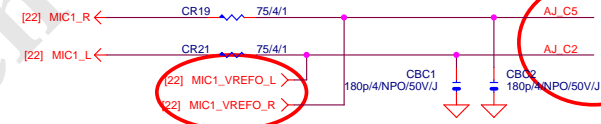
LINE-OUT



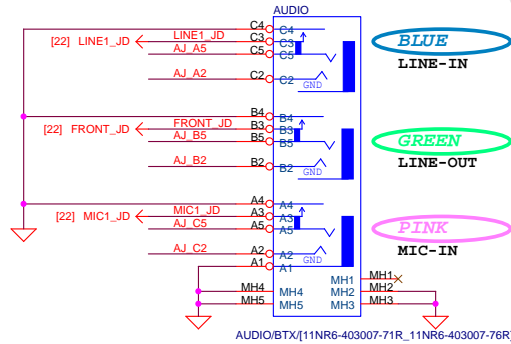
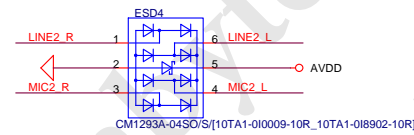
LINE-IN

Verify MIC function
in LINE-in

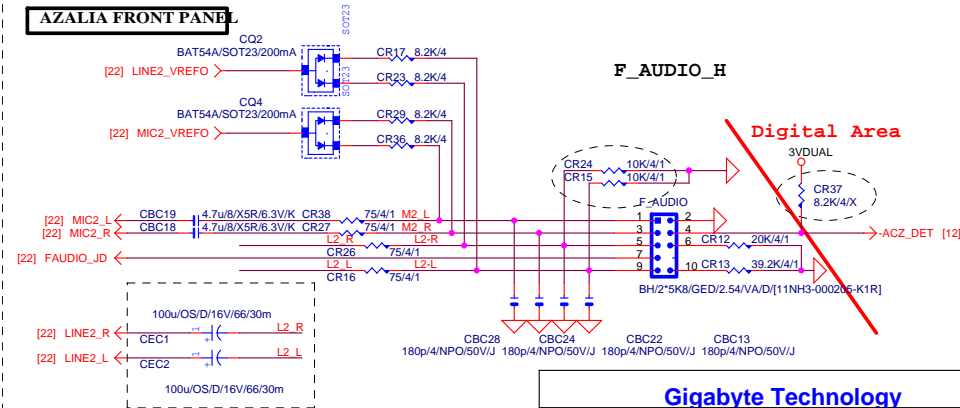
MIC-IN



AZALIA JACK



AZALIA FRONT PANEL



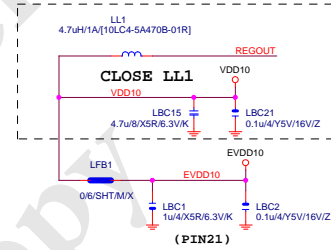
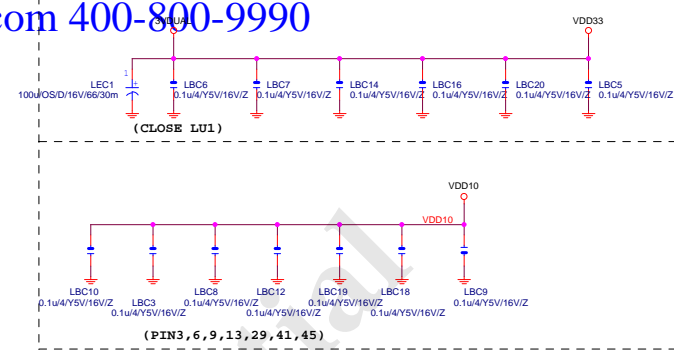
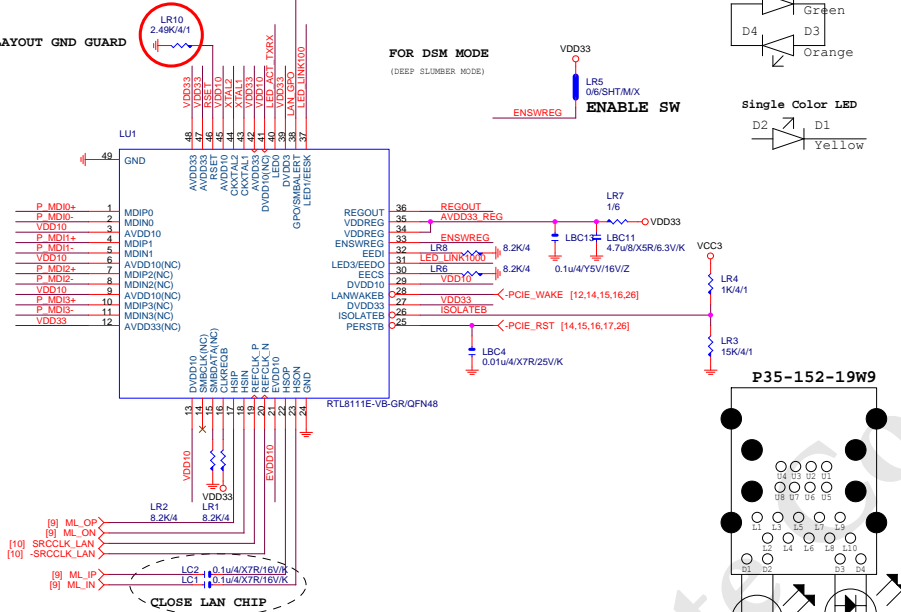
Gigabyte Technology

Title		
AUDIO JACK		
Size	Document Number	Rev
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PCIE-1G LAN

XTAL2:外部CLK IN

RSET需LAYOUT GND GUARD



USB LAN CONNECTOR

90度: [20/4/8/4/20]

USB_LAN

90度: [15/4.5/7.5/4.5/15]

FOR EMI

100p/4NPO/50V/J/K

LBC22

LBC23

LBC24

LBC25

LBC26

LBC27

LBC28

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LBC30

LBC31

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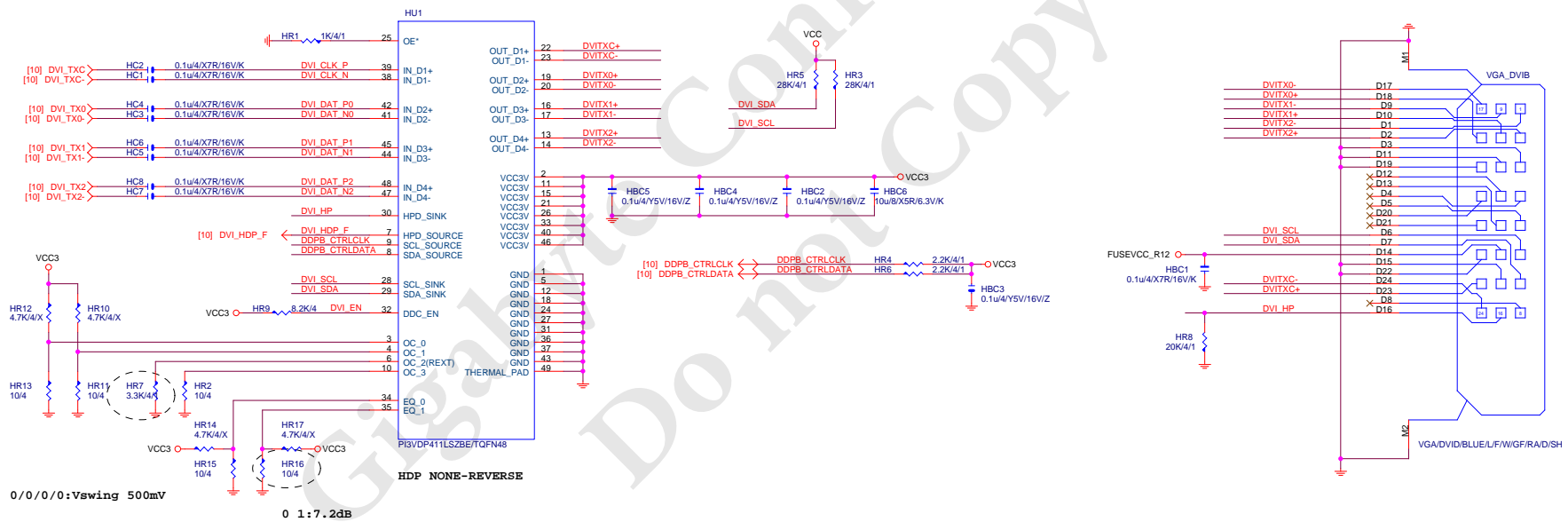
LBC295

LBC296

LBC297

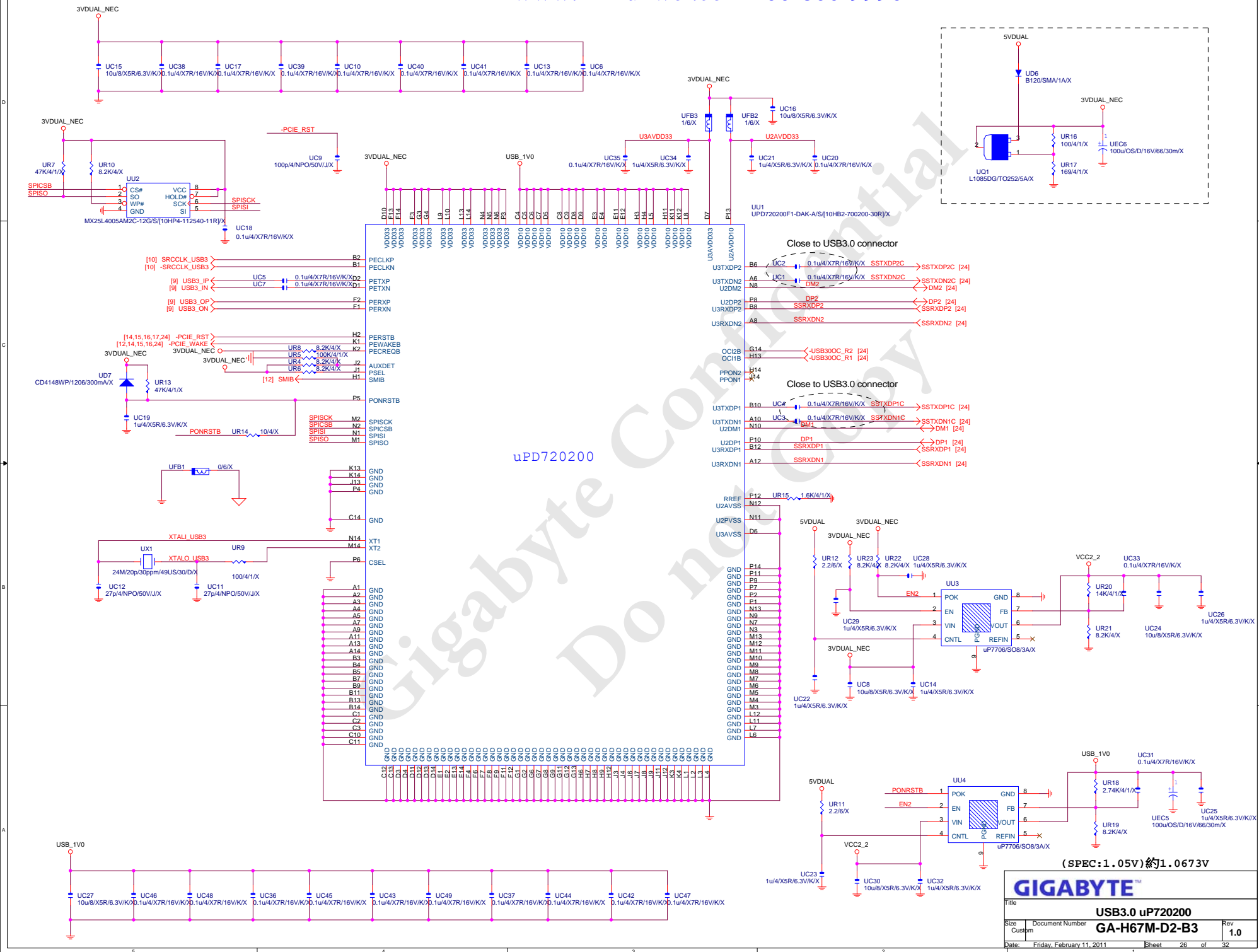
LBC298

LBC299

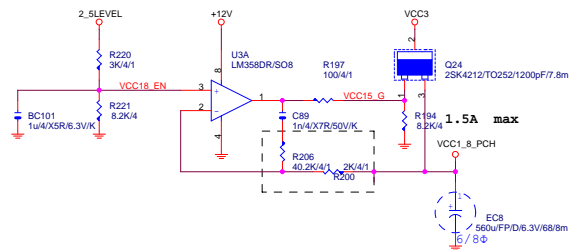


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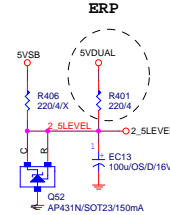
Title			HDMI / DVI	
Size			GA-H67M-D2-B3	
Date			Friday, February 11, 2011	
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Rev			1.0	



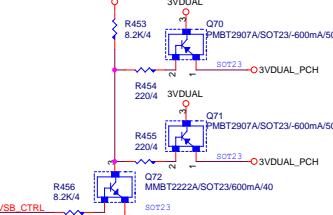
VCC1_8_PCH



2_5LEVEL

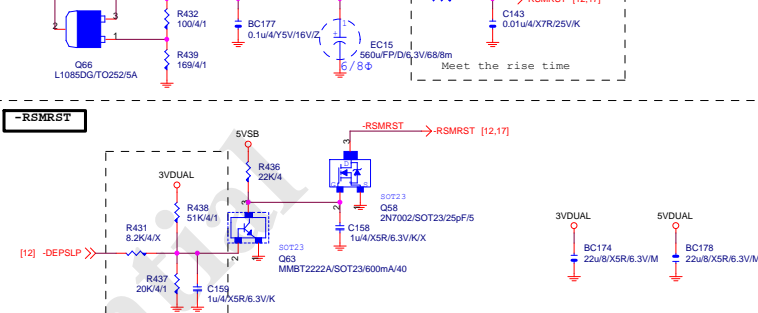


ERP

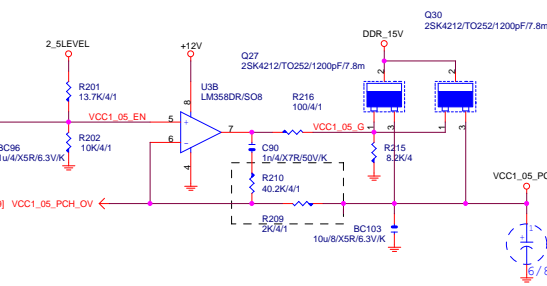


在ERP TURN ON時,先將PCH
3VDUAL灌入3VDUAL_PCH,使TURN ON
-SLP_S3功能

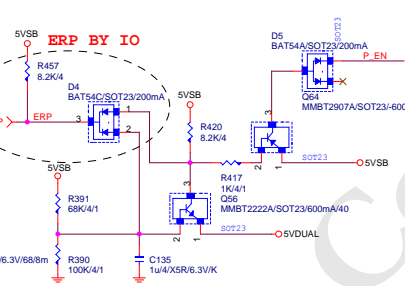
3VDUAL



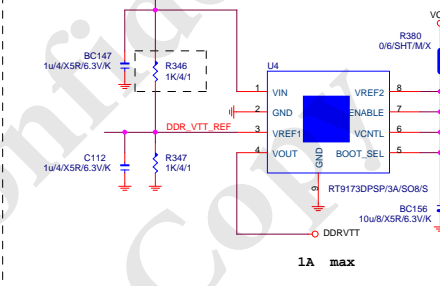
VCC1_05_PCH



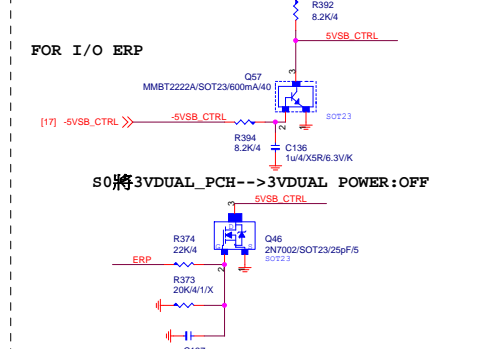
5VDUAL SHORT PROTECT



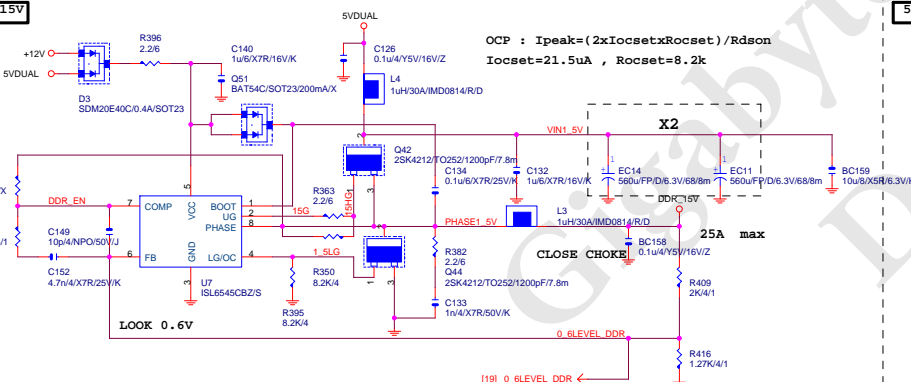
DDR_VTT



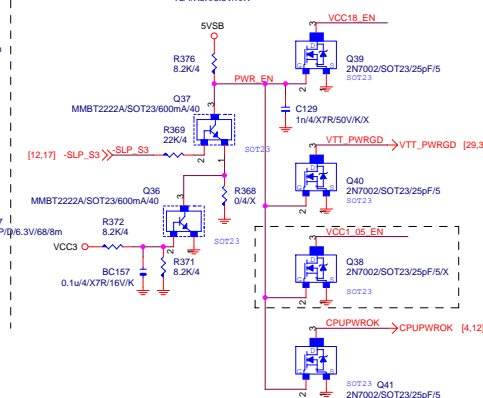
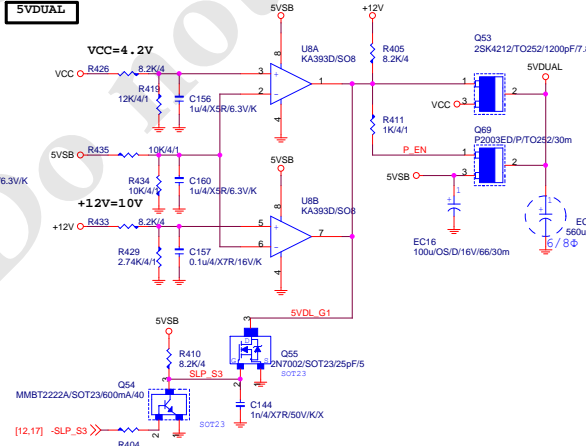
PWR_SEQ



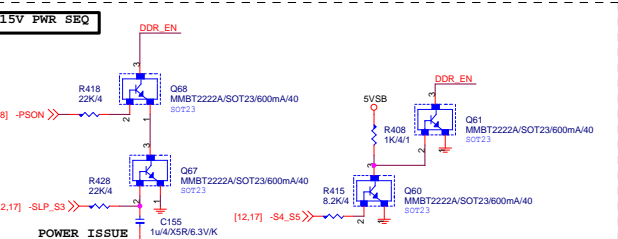
DDR_15V



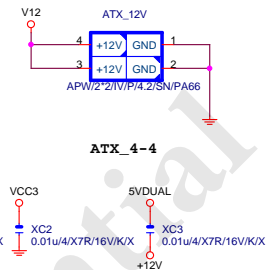
5VDUAL



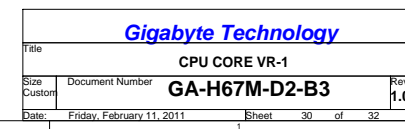
DDR_15V PWR_SEQ



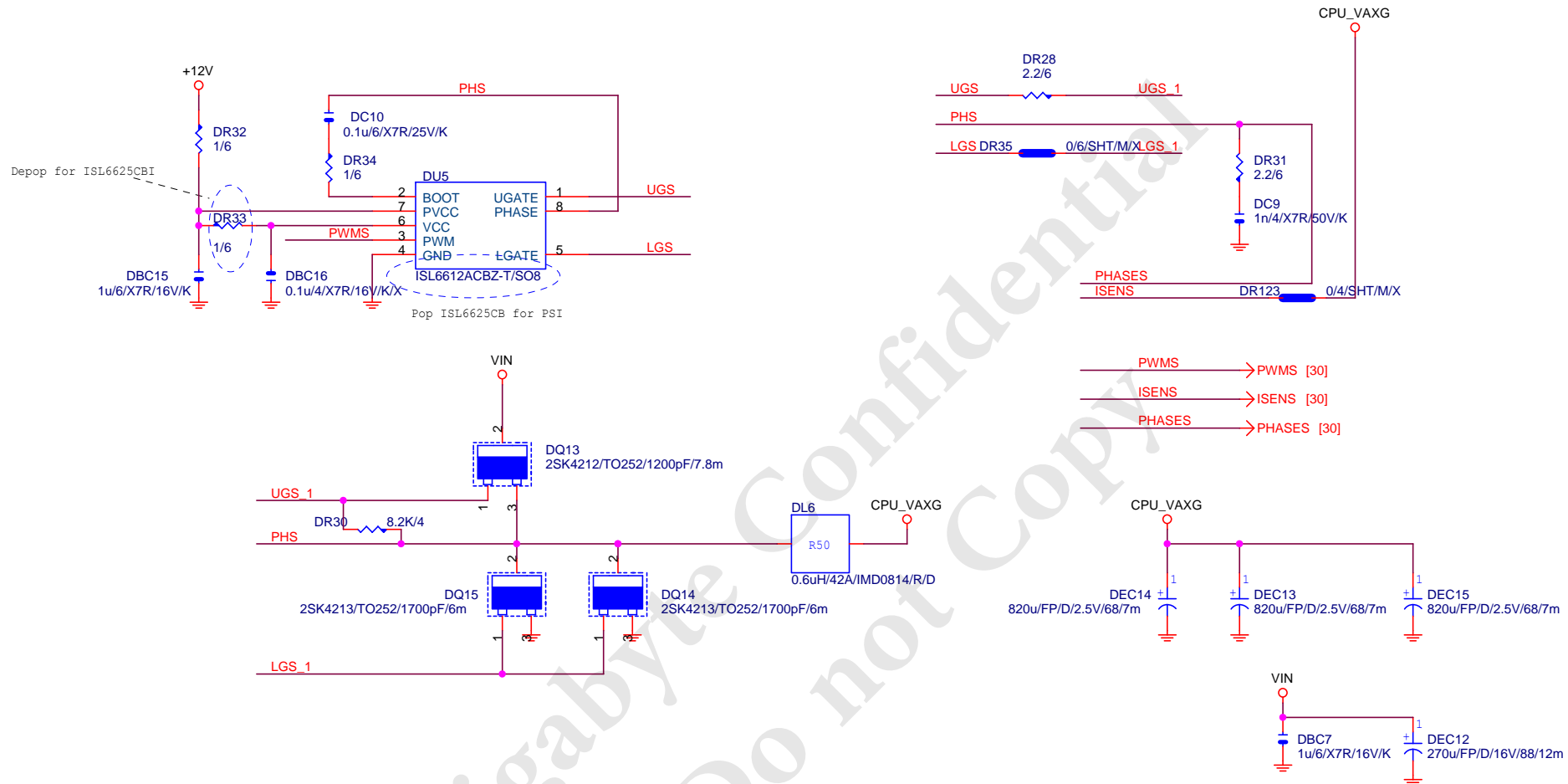
www.xinxunwei.com **ATXX4 POWER CONNECTOR**



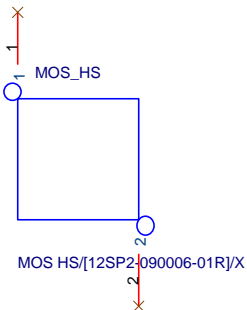
```
-S_WARN-->5VDUAL1-->-S_ACK(PCH)-->-DEPSLP/-RSMRST-->5VDUAL-->3VDUAL
```

VAXG

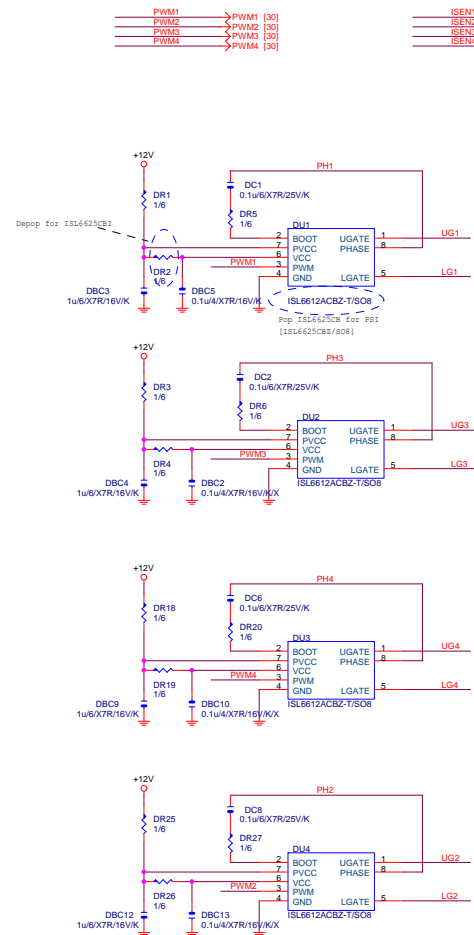


MOS HEATSINK N/A



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Size	Document Number	GA-H67M-D2-B3		Rev
Custom				1.0
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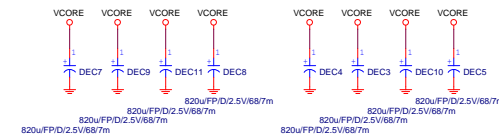
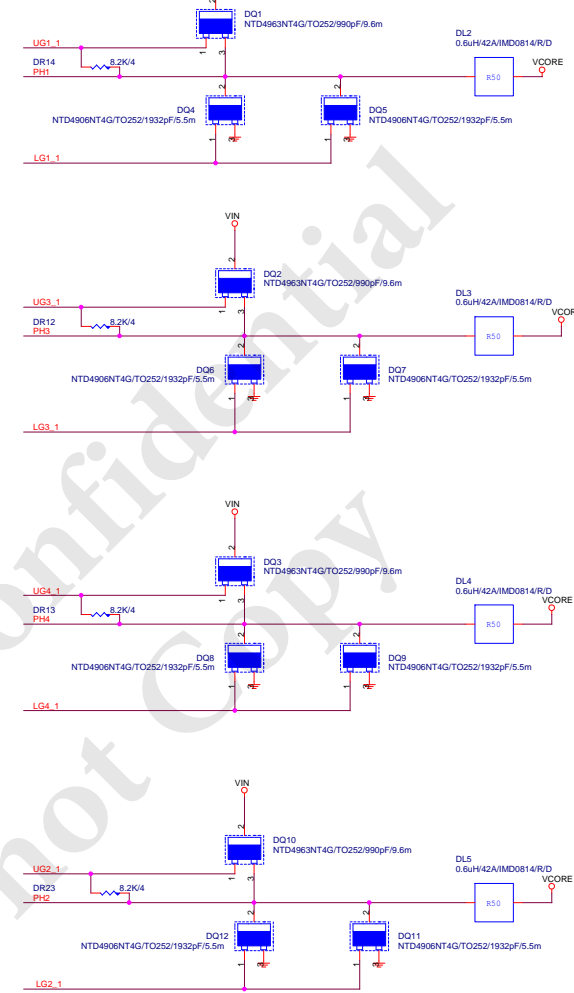
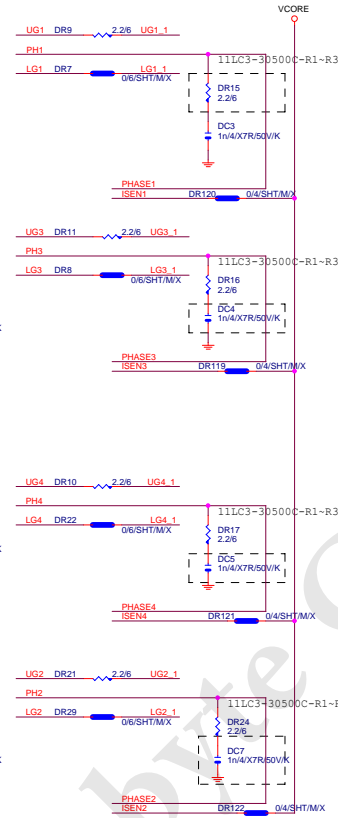


[1]

[3]

[4]

[2]



Gigabyte Technology

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