

Model Name : GA-P41-ES3G *Revision 1.3***SHEET****TITLE**

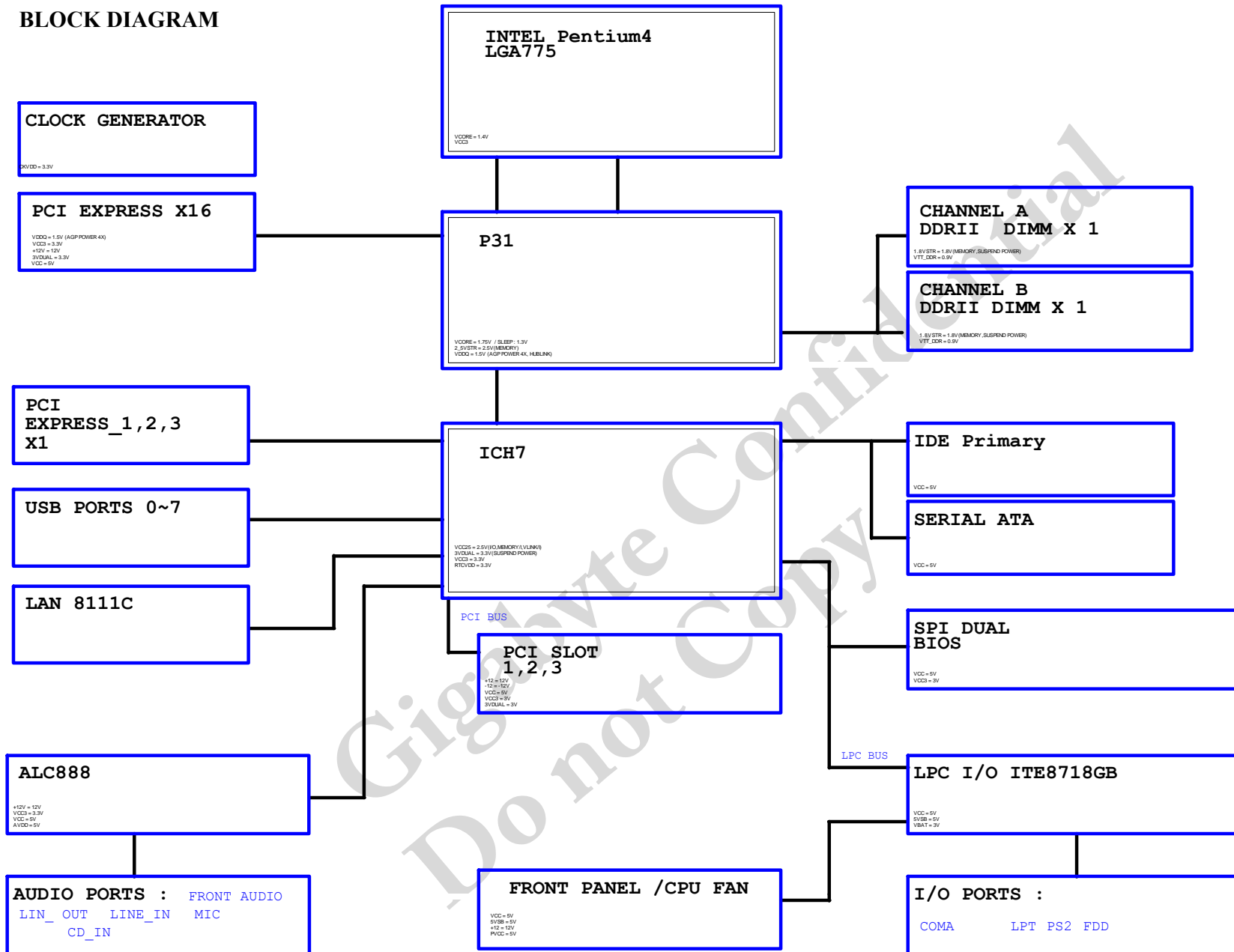
01	COVER SHEET
02	BLOCK DIAGRAM
03	BOM & PCB MODIFY HISTORY
04	P4 LGA775 A
05	P4 LGA775 B,D
06	P4 LGA775 C
07	P4 LGA775 E,F,G,H
08	Eaglelake HOST
09	Eaglelake DDR
10	Eaglelake PCI EXP 16,DMI
11	Eaglelake VGA
12	Eaglelake GND
13	Eaglelake PWR
14	PCI EXPRESS*16 SLOT
15	DDRII CHANNEL A
16	DDRII CHANNEL B
17	DDRII TERMINATION
18	ICH7 PCI, USB, DMI, LAN
19	ICH7 IDE, GPIO, SATA, CTRL
20	ICH7 VCC, GND
21	CK505 CLOCK.
22	PCI SLOT 1,2,PCIE*1
23	IDE/FLOPPY
24	ITE 8718 GB/HX
25	COM LPT
26	CI,HWM,KB/MS,DUAL BIOS
27	ALC888

SHEET**TITLE**

28	REAR AUDIO JACK
29	DISCRETE POWER
30	VCORE PWM ISL6312
31	ATX, OTHERS POWER
32	FRONT PANEL
33	REALTEK RTL8111D
34	PCI SLOT3,PCIE*2,3

Gigabyte Technology			
Title Cover Sheet			
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BLOCK DIAGRAM



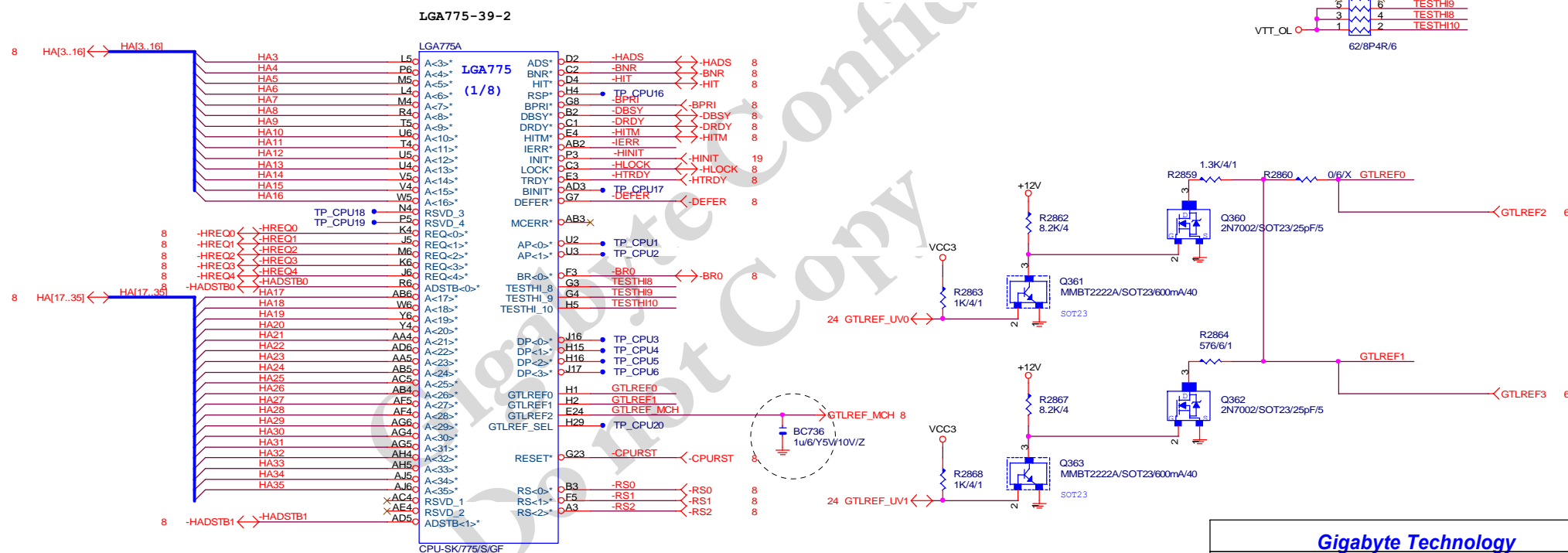
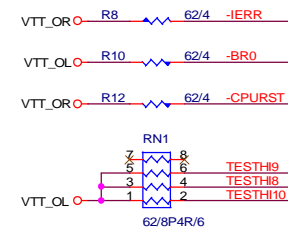
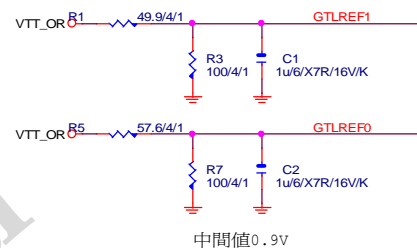
Gigabyte Technology			
BOM & PCB MODIFY HISTORY			
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Version: 1.3

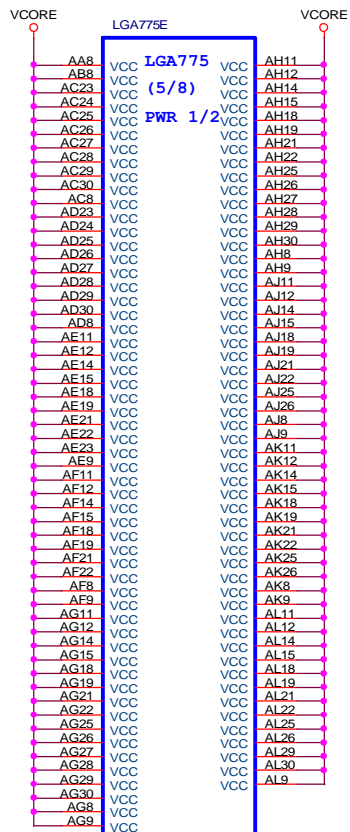
Component value change history

2007/08/02

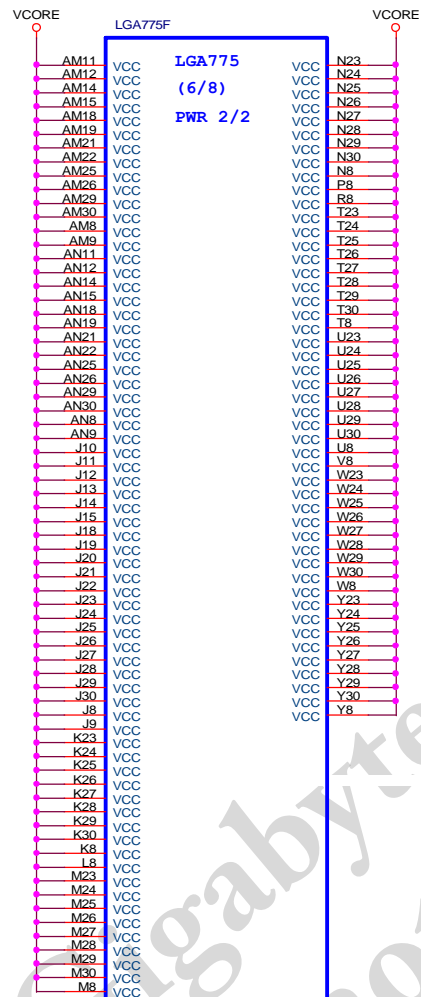
[illegible][illegible]



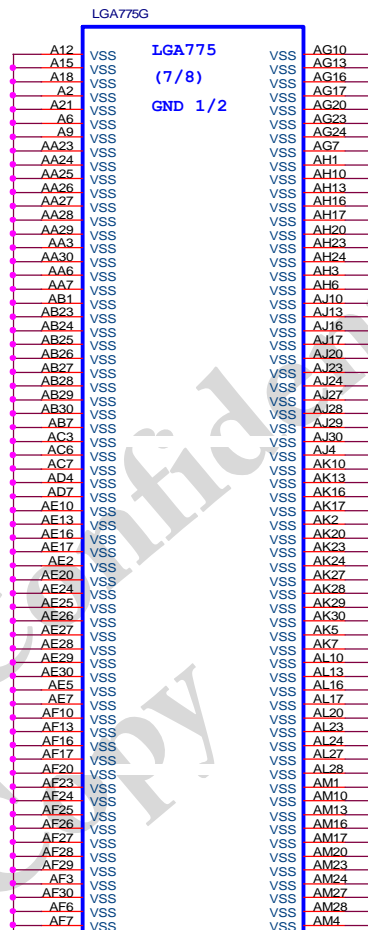
<i>Gigabyte Technology</i>				
Title				
P4_LGA775-A				
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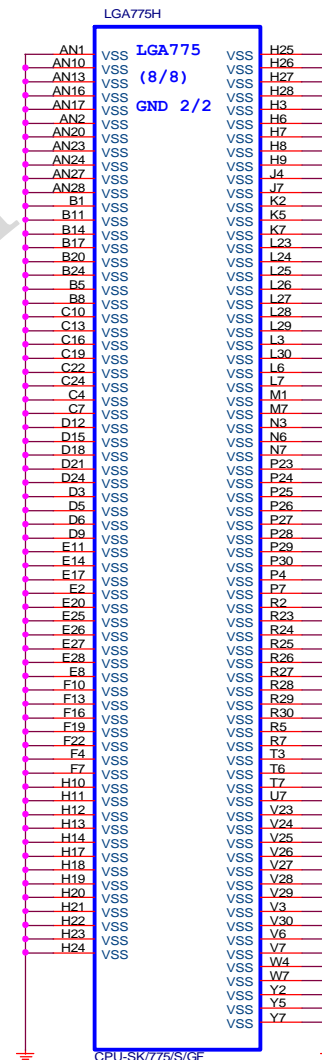
CPU-SK/775/S/GF



CPU-SK/775/S/GF

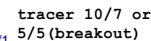
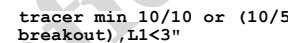


CPU-SK/775/S/GF



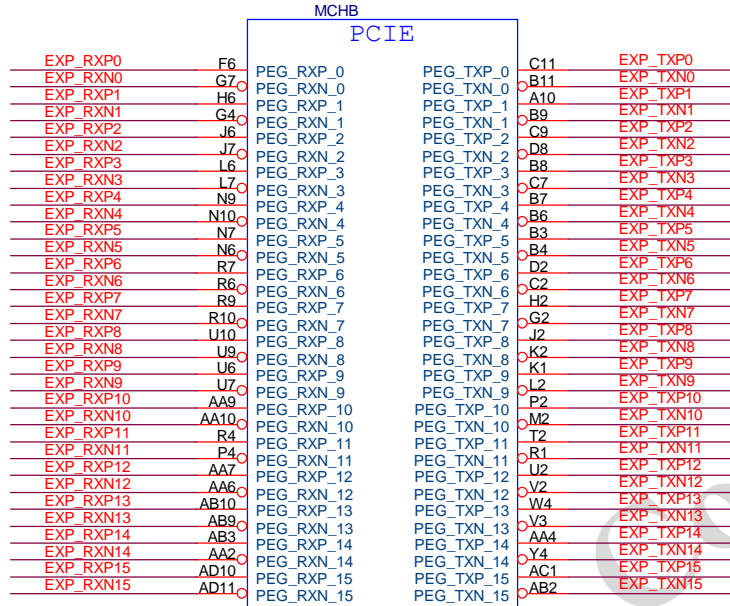
CPU-SK/775/S/GF

Gigabyte Technology			
Title			
P4_LGA775-E,F,G,H			
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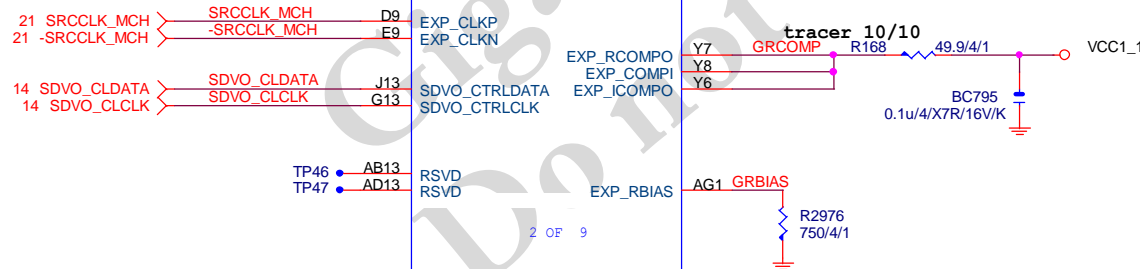
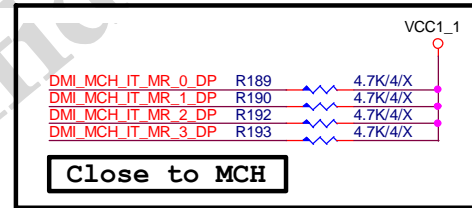
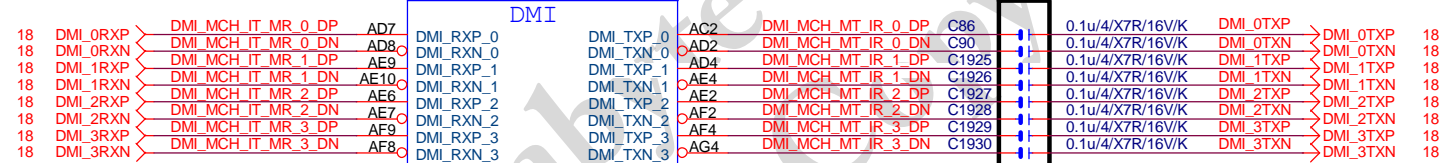


PCIEX16:16/5/5/5/16(breakout min 8/4/5/4/8)

Impedance=85 +- 17.5%



DMI:12/4/8/4/12
Impedance=95 +- 17.5%

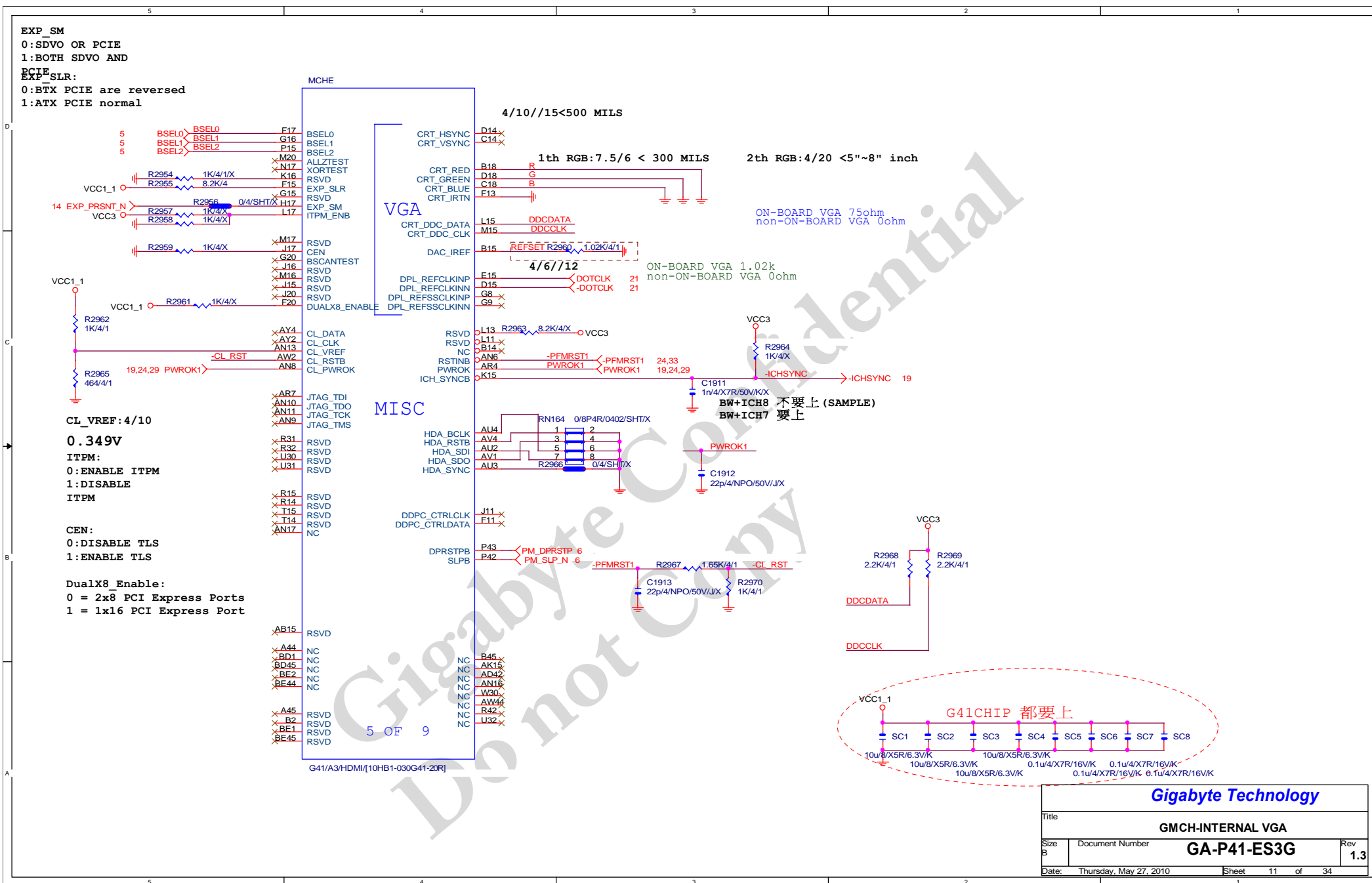


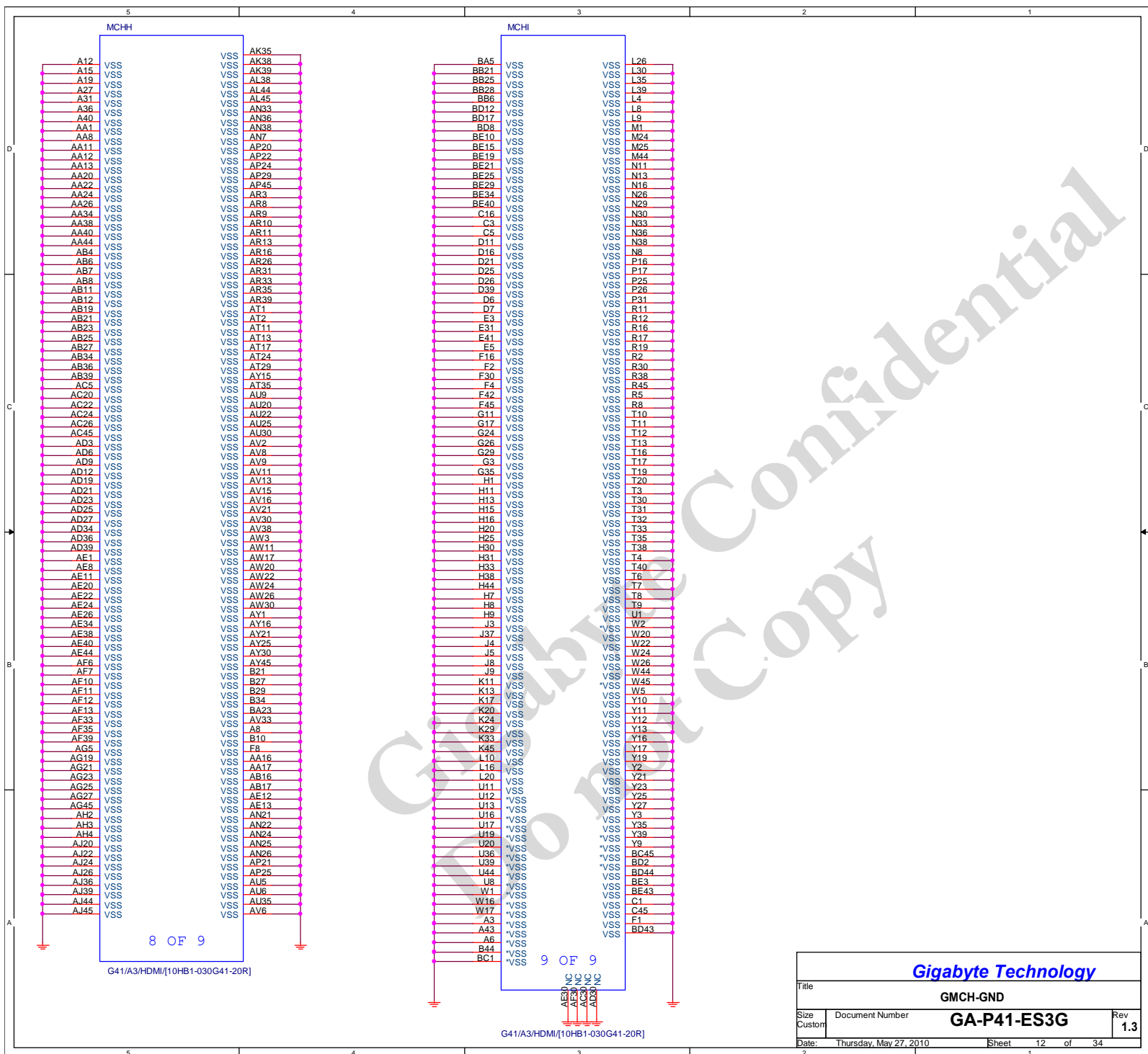
G41/A3/HDMI[10HB1-030G41-20R]

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Title			GMCH-GND
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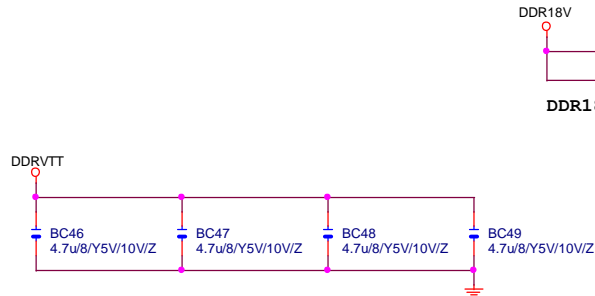




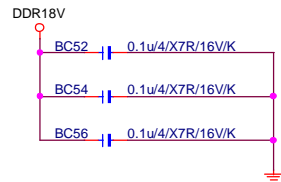
			
Title			
DDRII CHANNEL A			
Size	Document Number	GA-P41-ES3G	Rev
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DDR TERMINATION CHANNEL A

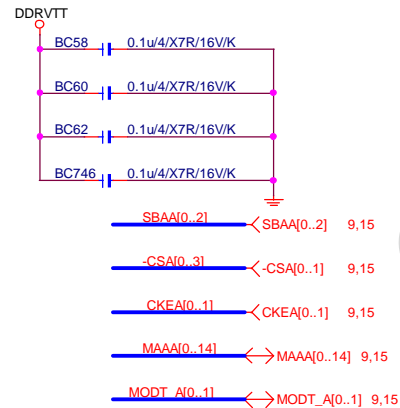
DDRVTT Decouple



DDR18V Decouple

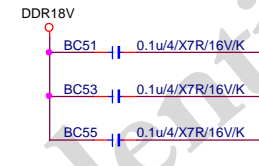


DDRVTT Decouple

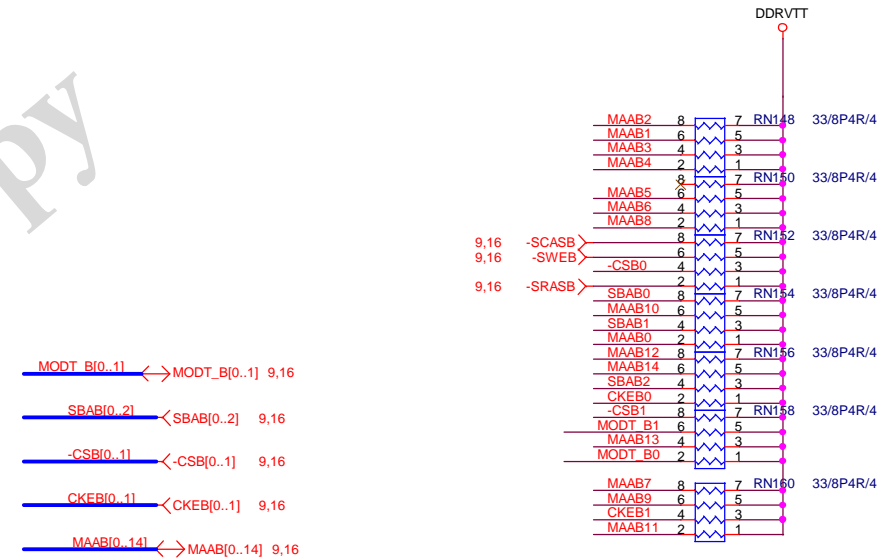
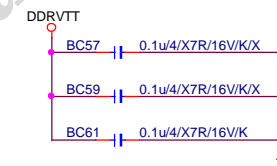


DDR TERMINATION CHANNEL B

DDR18V Decouple



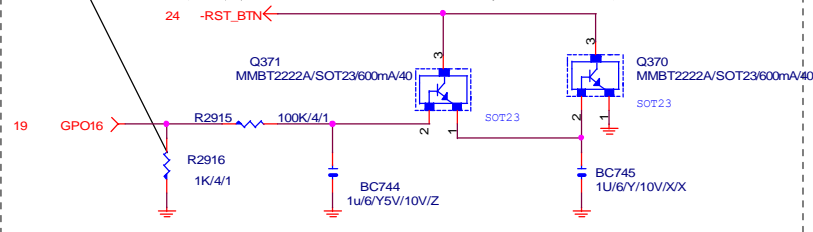
DDRVTT Decouple



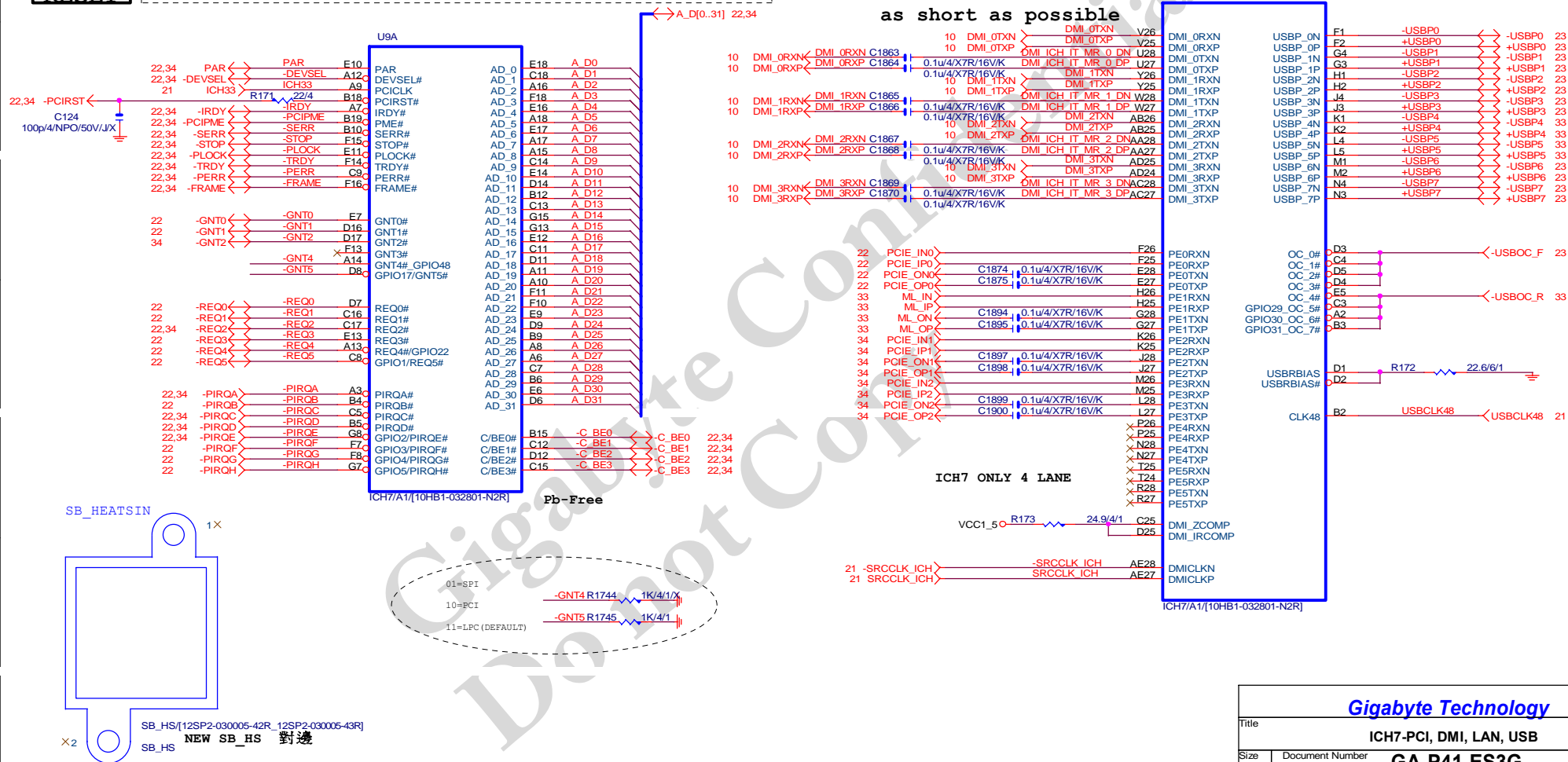
Gigabyte Technology

Title			DDR II TERMINATOR
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H/W
RESET

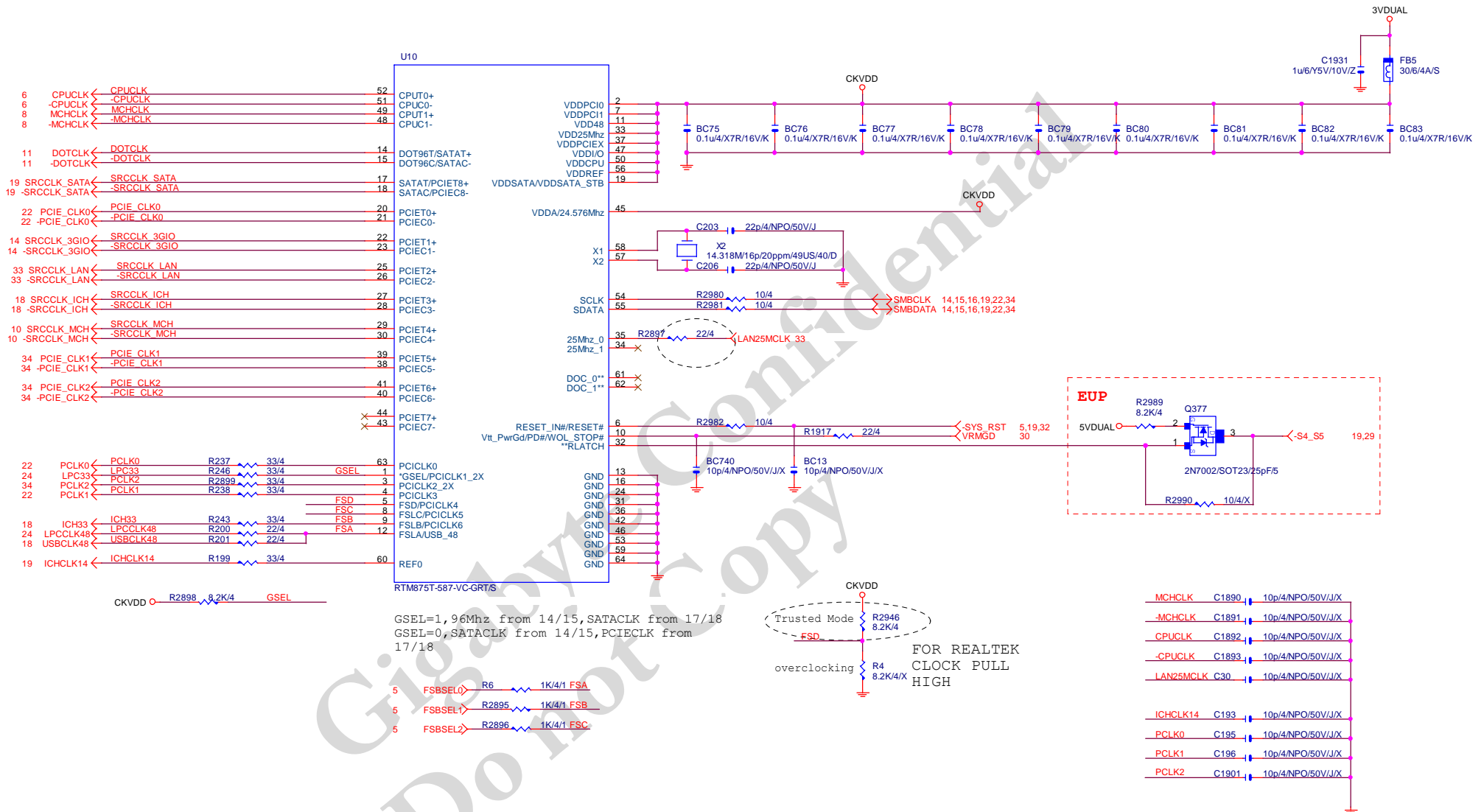


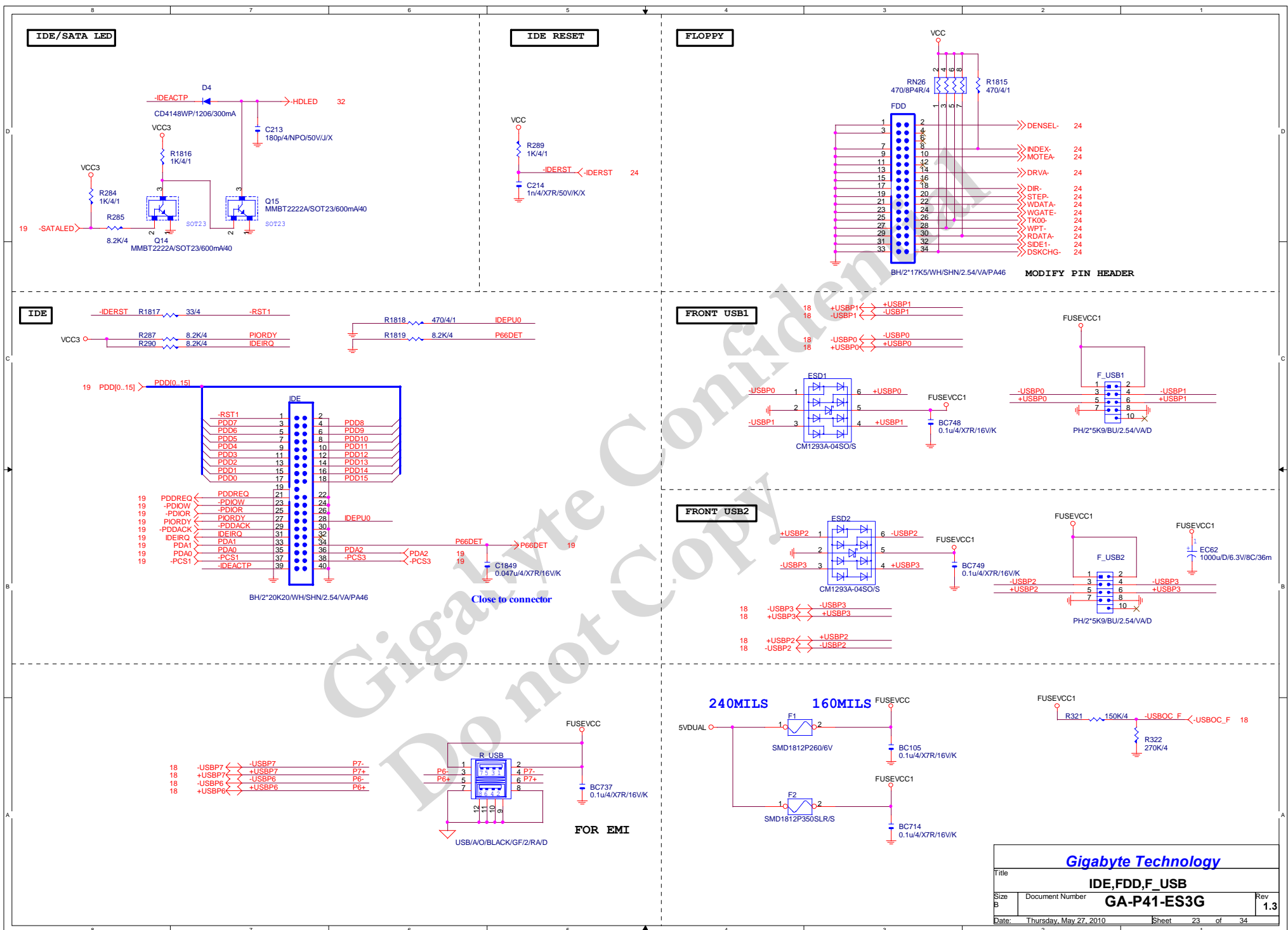
Close to ICH
as short as possible

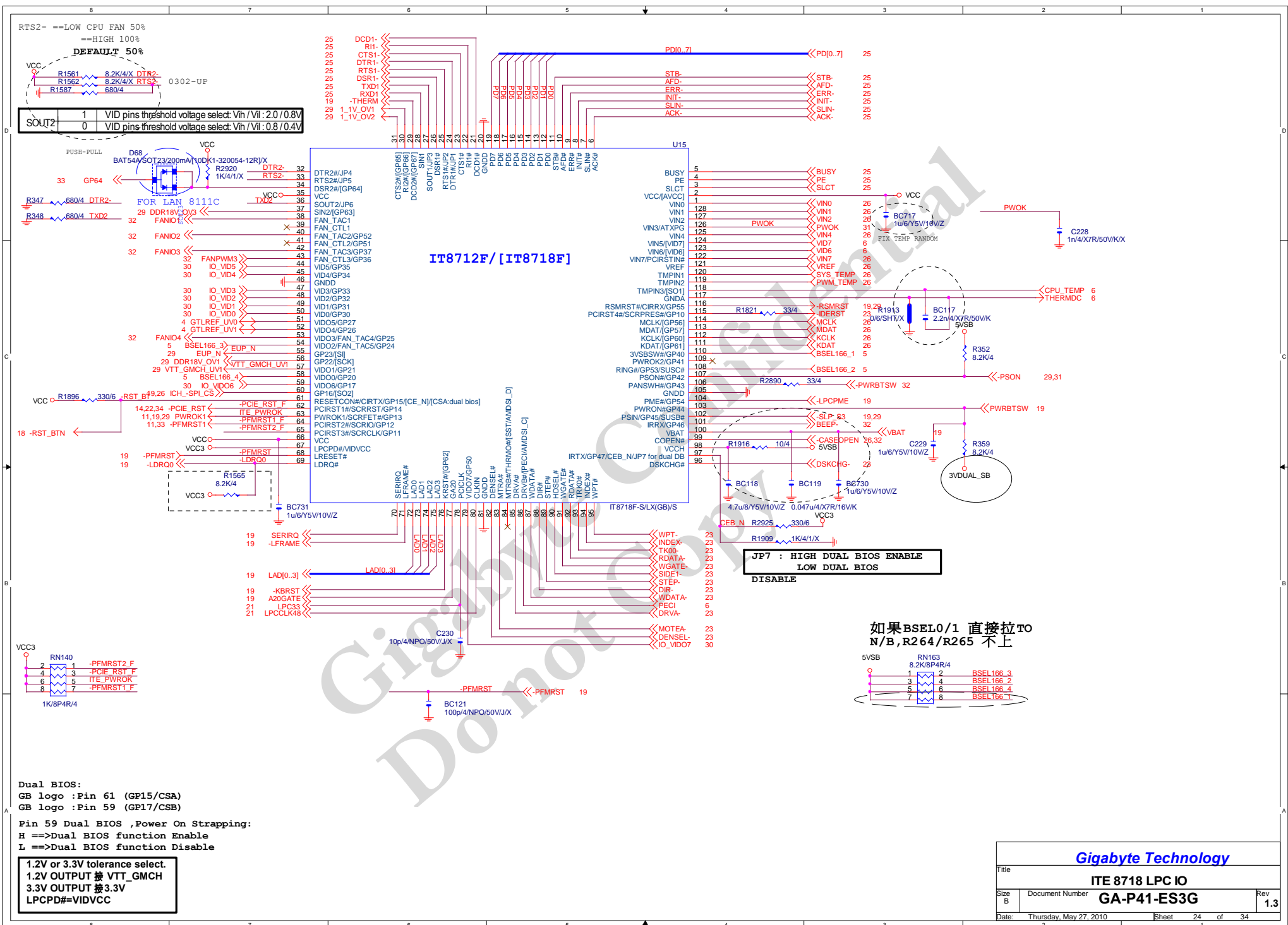


Gigabyte Technology

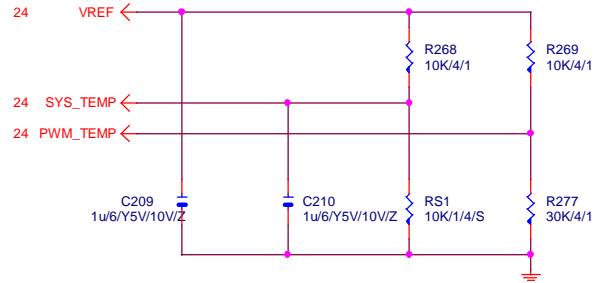
Title			
ICH7-PCI, DMI, LAN, USB			
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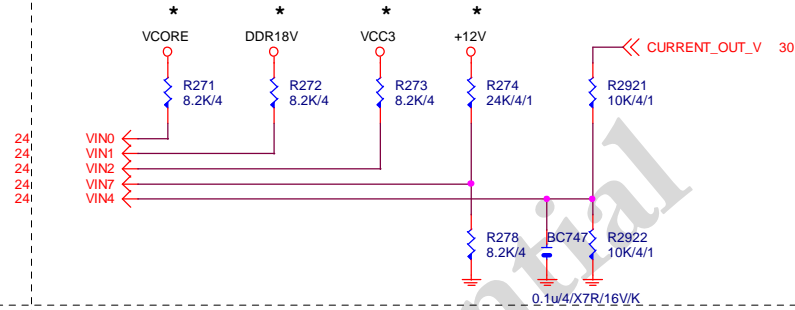




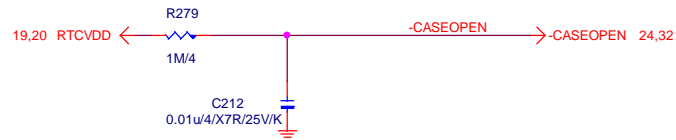
TEMP H/W MONITOR



VOLTAGE-- H/W MONITOR



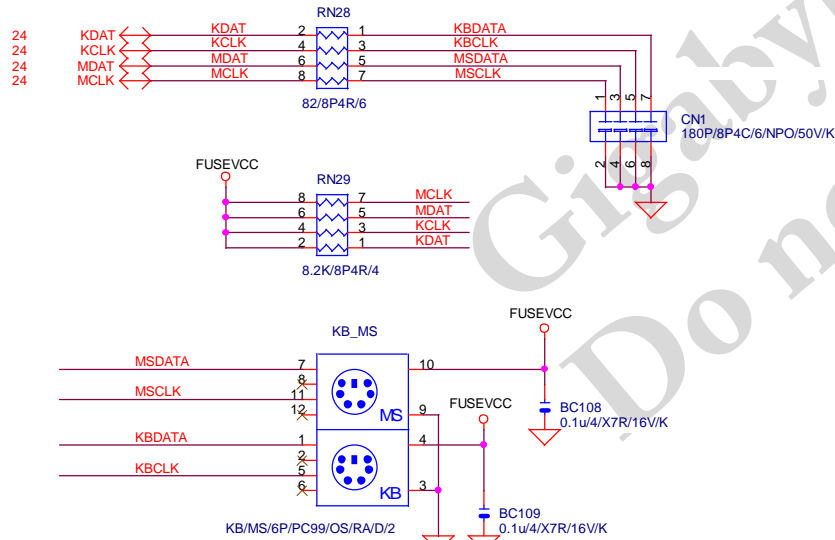
CASE OPEN



Case Open Circuits

DUAL BIOS

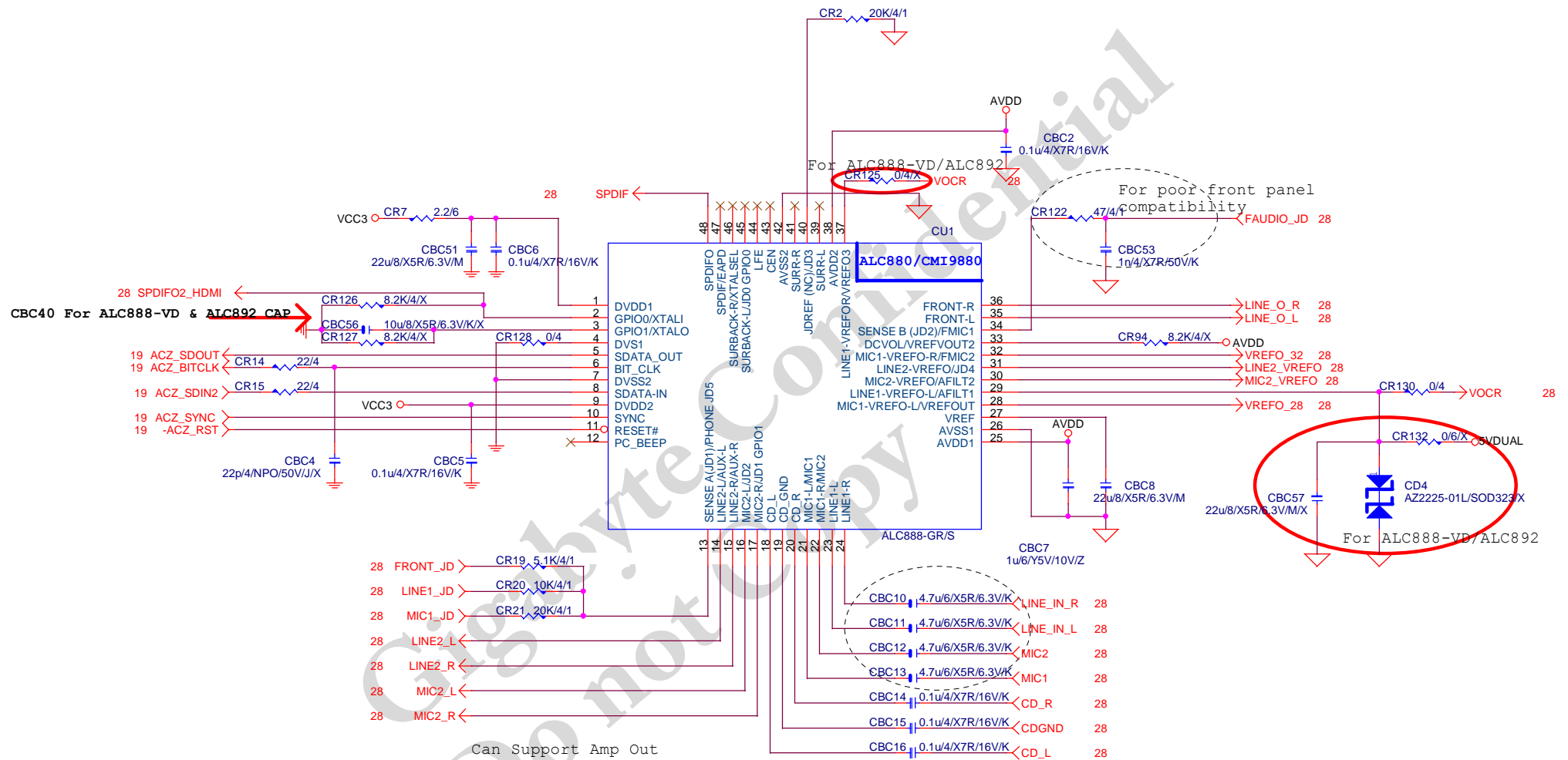
KB/MS



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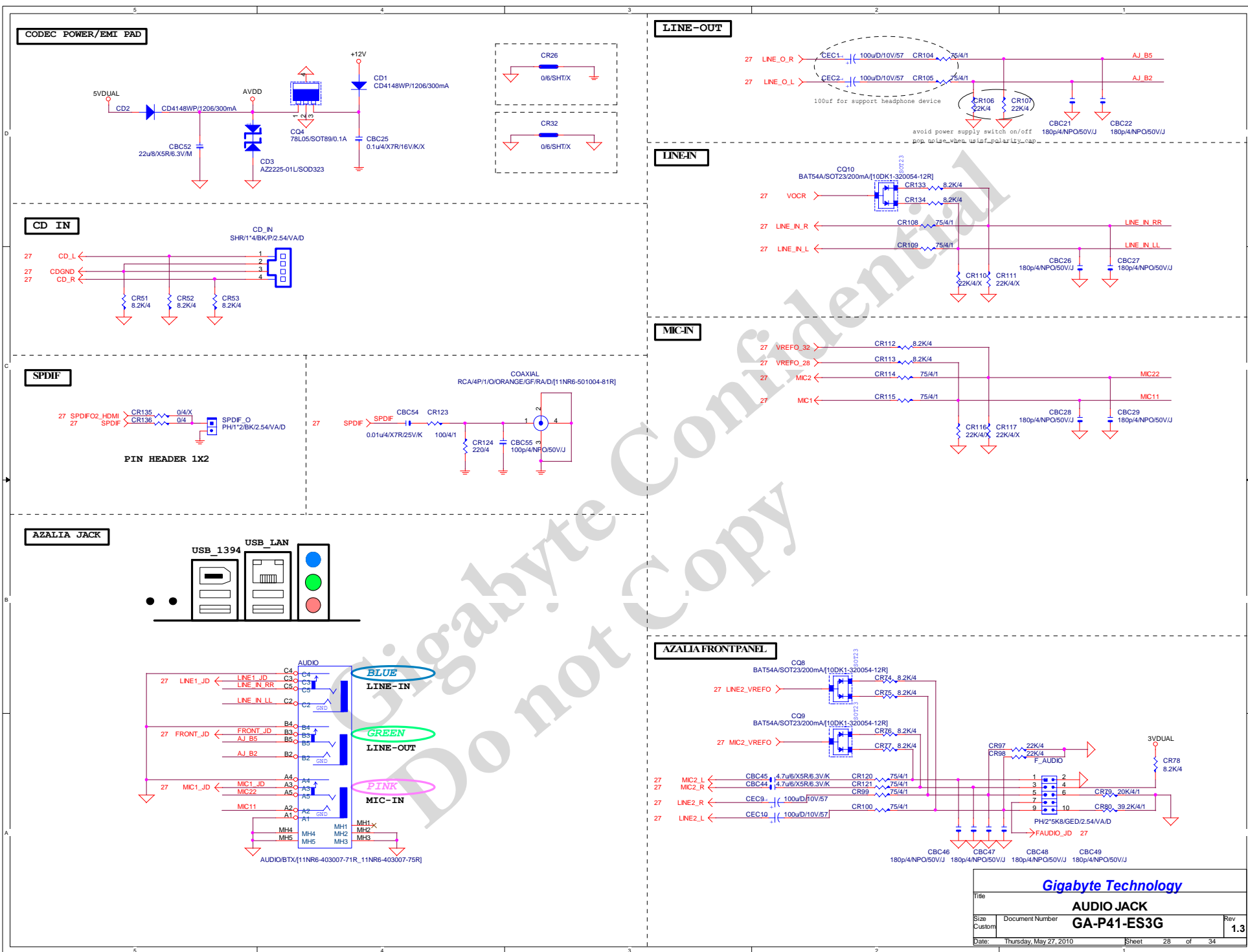
Title			HW-MONITOR/CI/KB/MS/BIOS	
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AZALIA CODEC

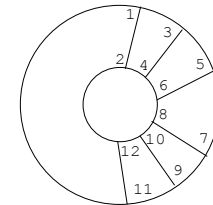
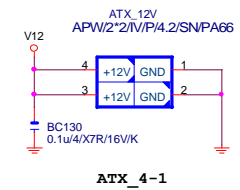
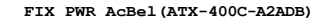


Can Support Amp Out

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Title		
AZALIA ALC888		
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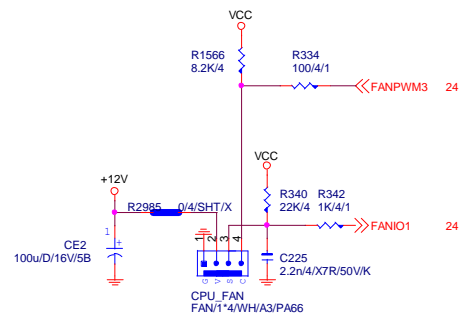


ATXPWR_24-2

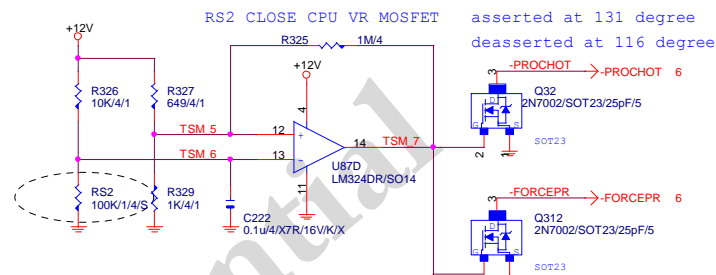


Title			
ATX POWER CONNECTOR			
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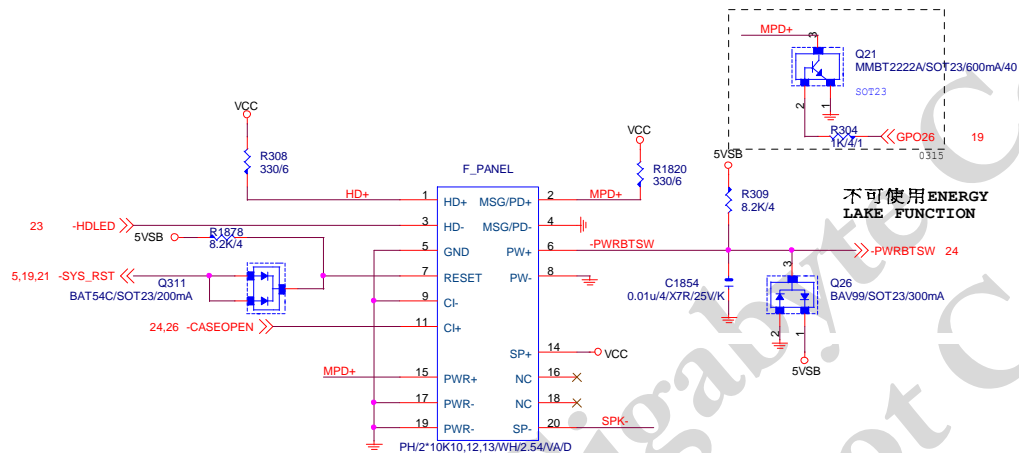
CPU SMART FAN SMART FAN



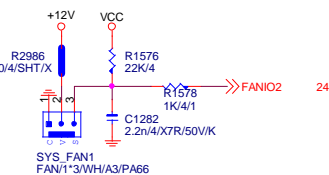
PROCESSOR HOT



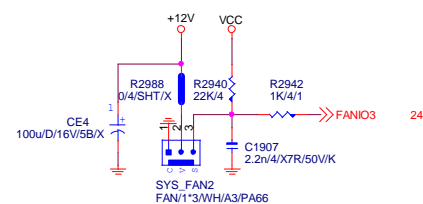
INTEL FRONT PANEL



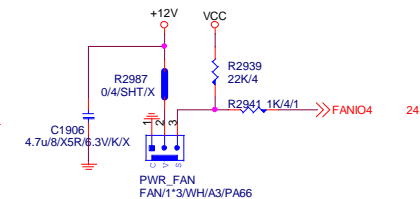
SYS_FAN1



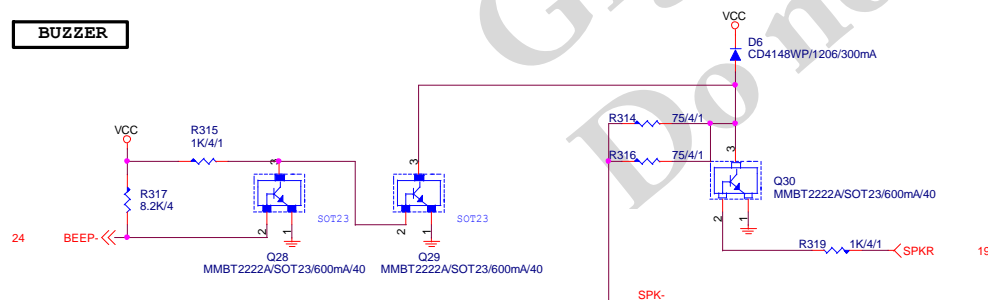
SYS_FAN2



PWR_FAN



BUZZER



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FRONT PANEL / FAN CTRL		
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