

Model Name : GA-G41MT-ES2L

Revision 1.3

SHEET

TITLE

SHEET

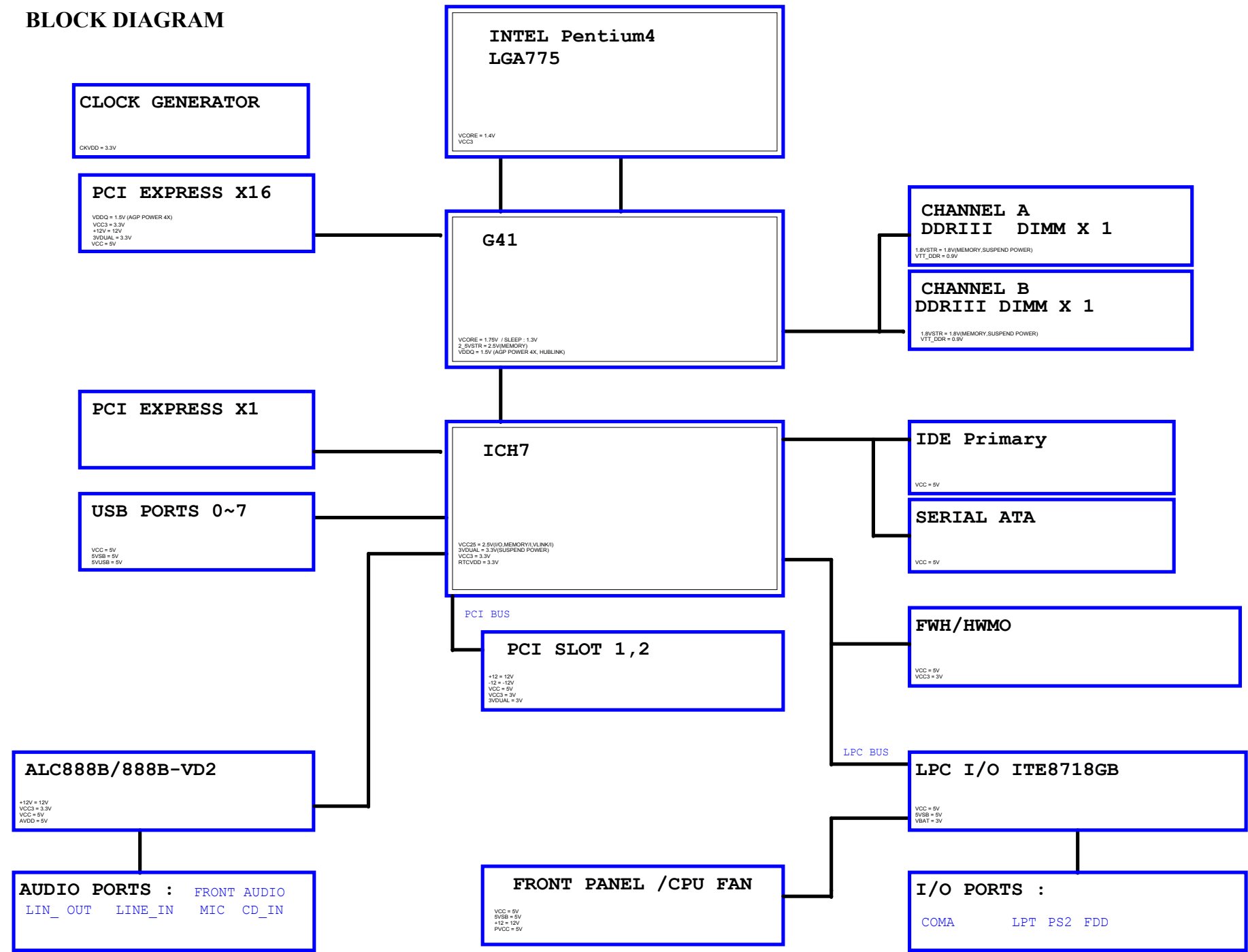
TITLE

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03	BOM & PCB MODIFY HISTORY
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05	P4 LGA775 B,D
06	P4 LGA775 C
07	P4 LGA775 E,F,G,H
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09	G41 DDRII
10	G41 PCI E, DMI
11	G41 VGA
12	G41 GND
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14	PCI EXPRESS*16 SLOT
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16	DDR3 CHANNEL B
17	DDR3 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
25	COM LPT
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27	ALC888B/888B-VD2

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29	DISCRETE POWER
30	VCORE PWM ISL6312
31	ATX, OTHERS POWER
32	FRONT PANEL
33	REALTEK RTL8111E/8105E

Gigabyte Technology			
Title Cover Sheet			
Size Custom	Document Number GA-G41MT-ES2L	Rev 1.3	
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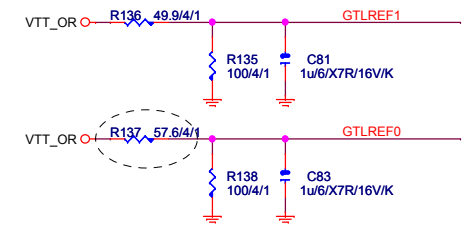
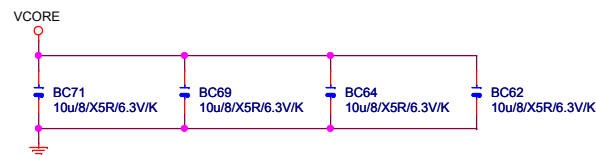
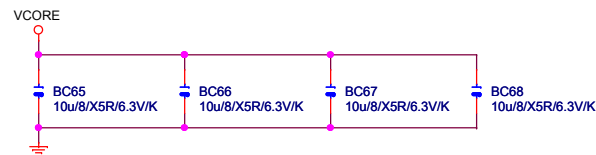
BLOCK DIAGRAM



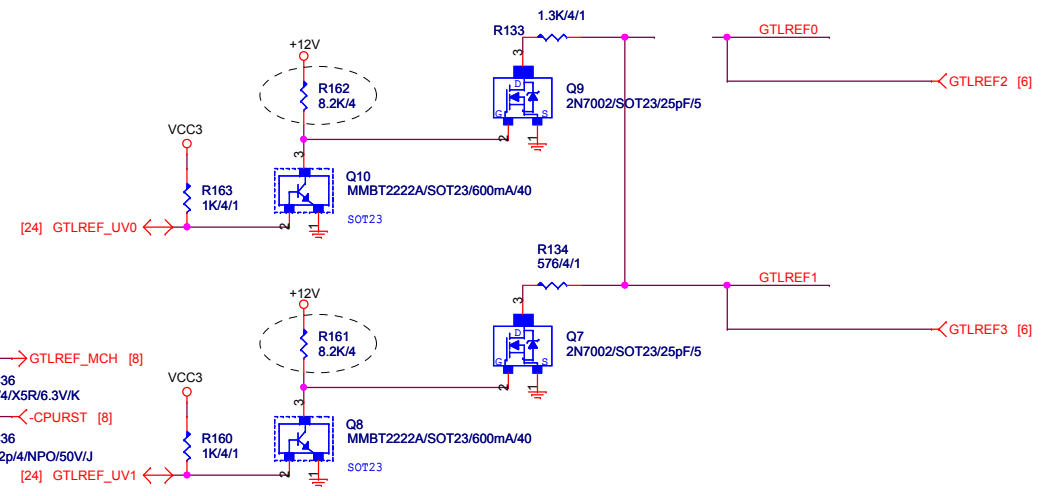
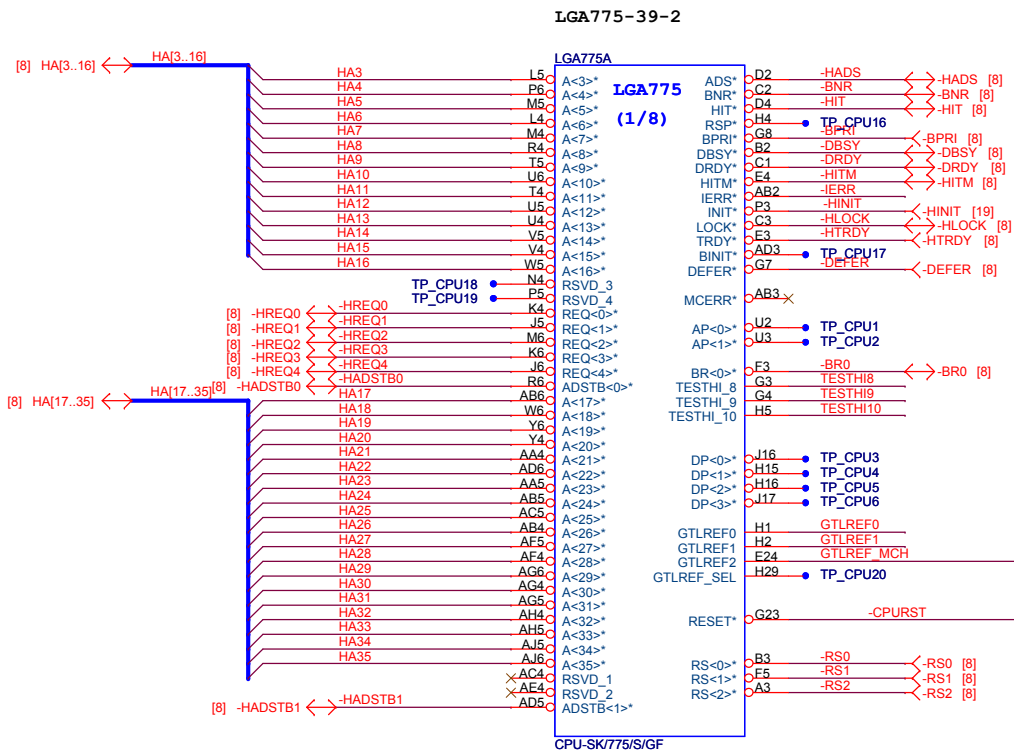
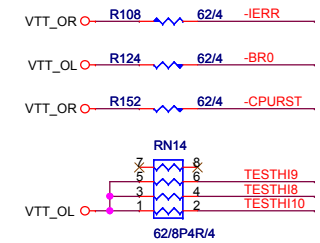
Version: 1.3

2010/04/15

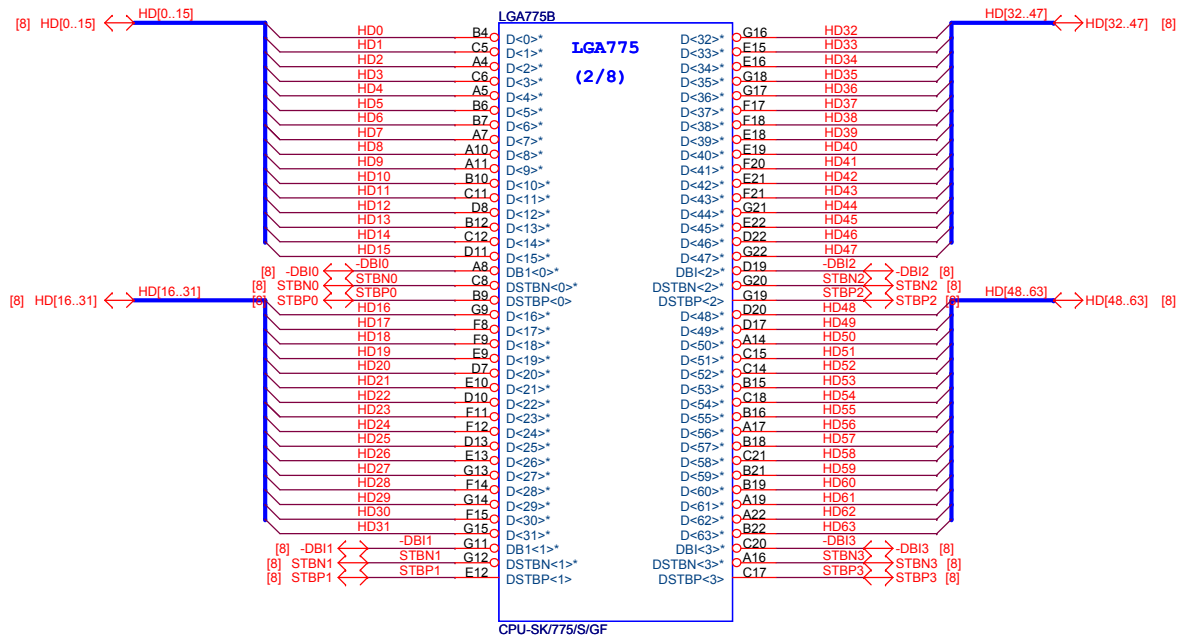
<i>Gigabyte Technology</i>			
BOM & PCB MODIFY HISTORY			
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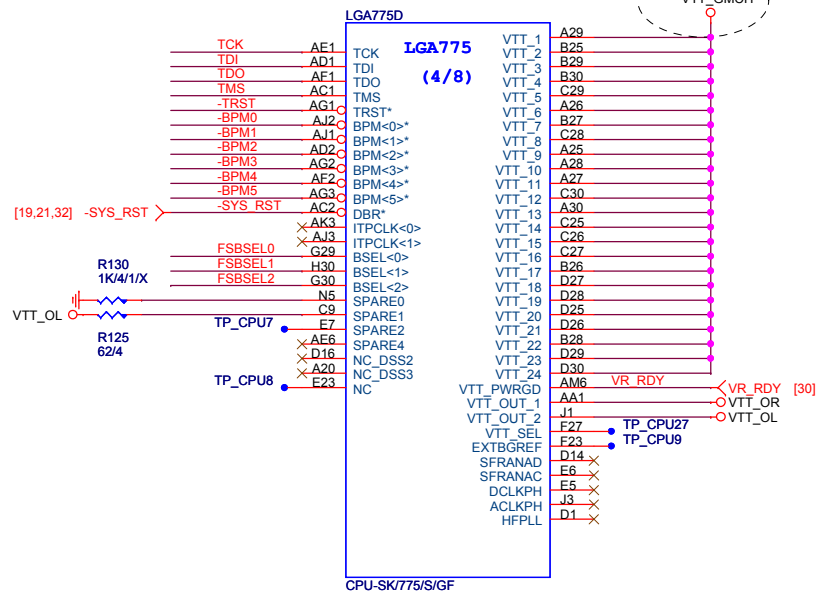
中間値0.9V



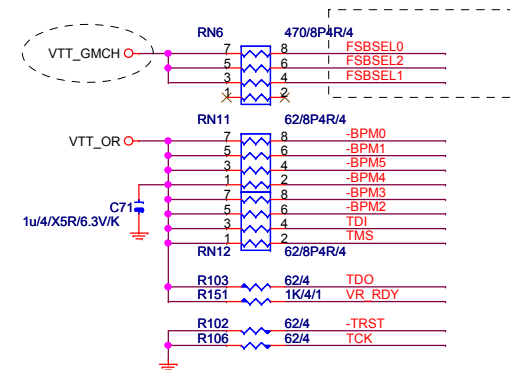
Gigabyte Technology			
Title			
P4_LGA775-A			
Size	Document Number		Rev
B	GA-G41MT-ES2L		1.3
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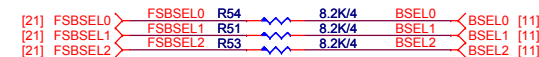
CPU-SK/775/S/GF



CPU-SK/775/S/GF



TO CLK GEN

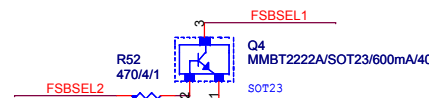


TO NB

CPU

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

X



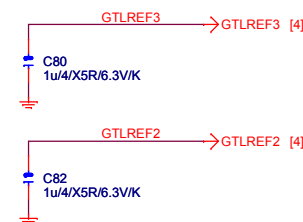
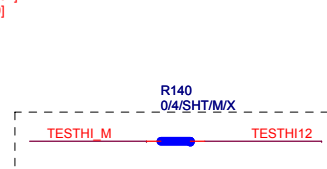
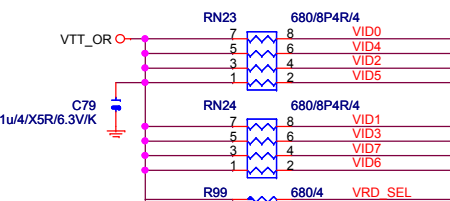
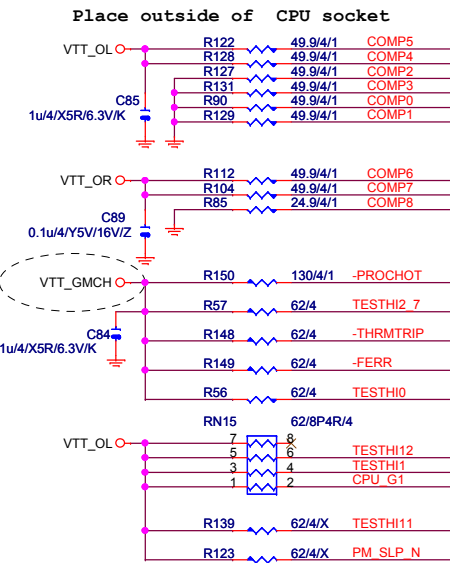
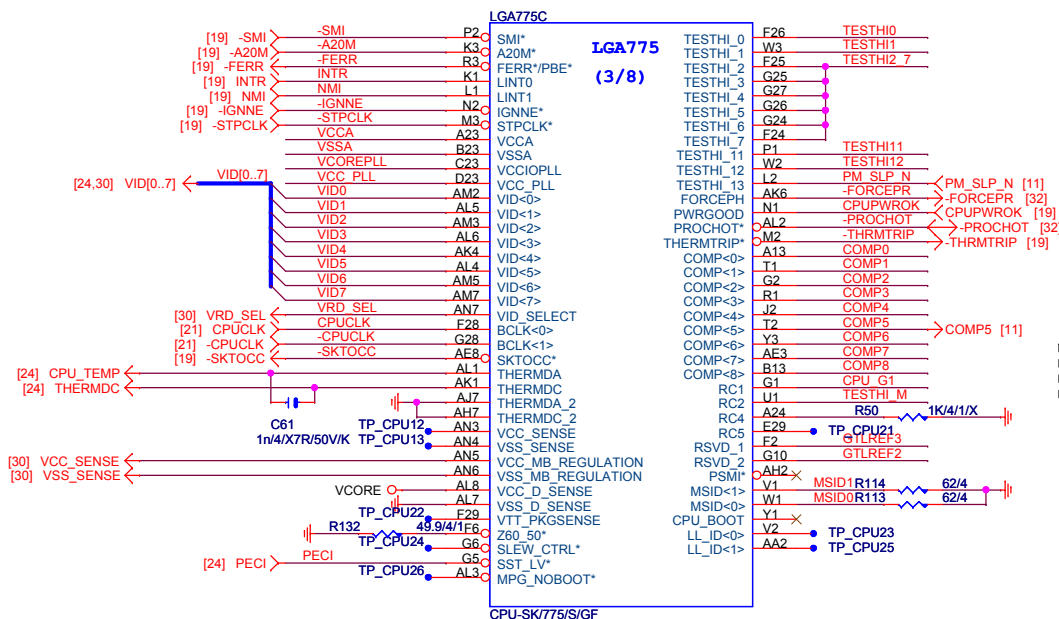
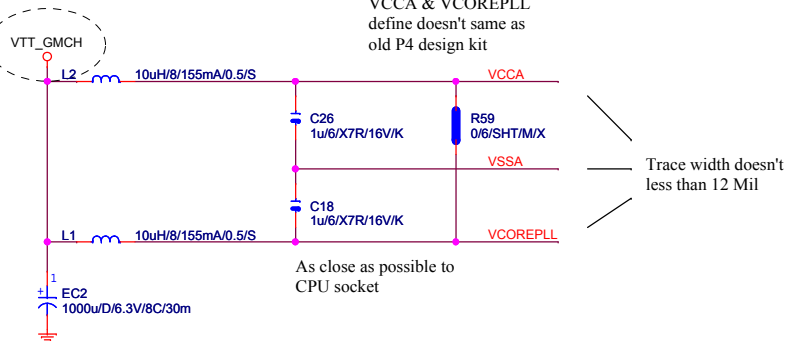
FIX FSB1600 LATCH FAIL

Gigabyte Technology

Title	P4_LGA775-B,D		
Size	Document Number	GA-G41MT-ES2L	
Date:	Friday, April 16, 2010	Sheet	5 of 33

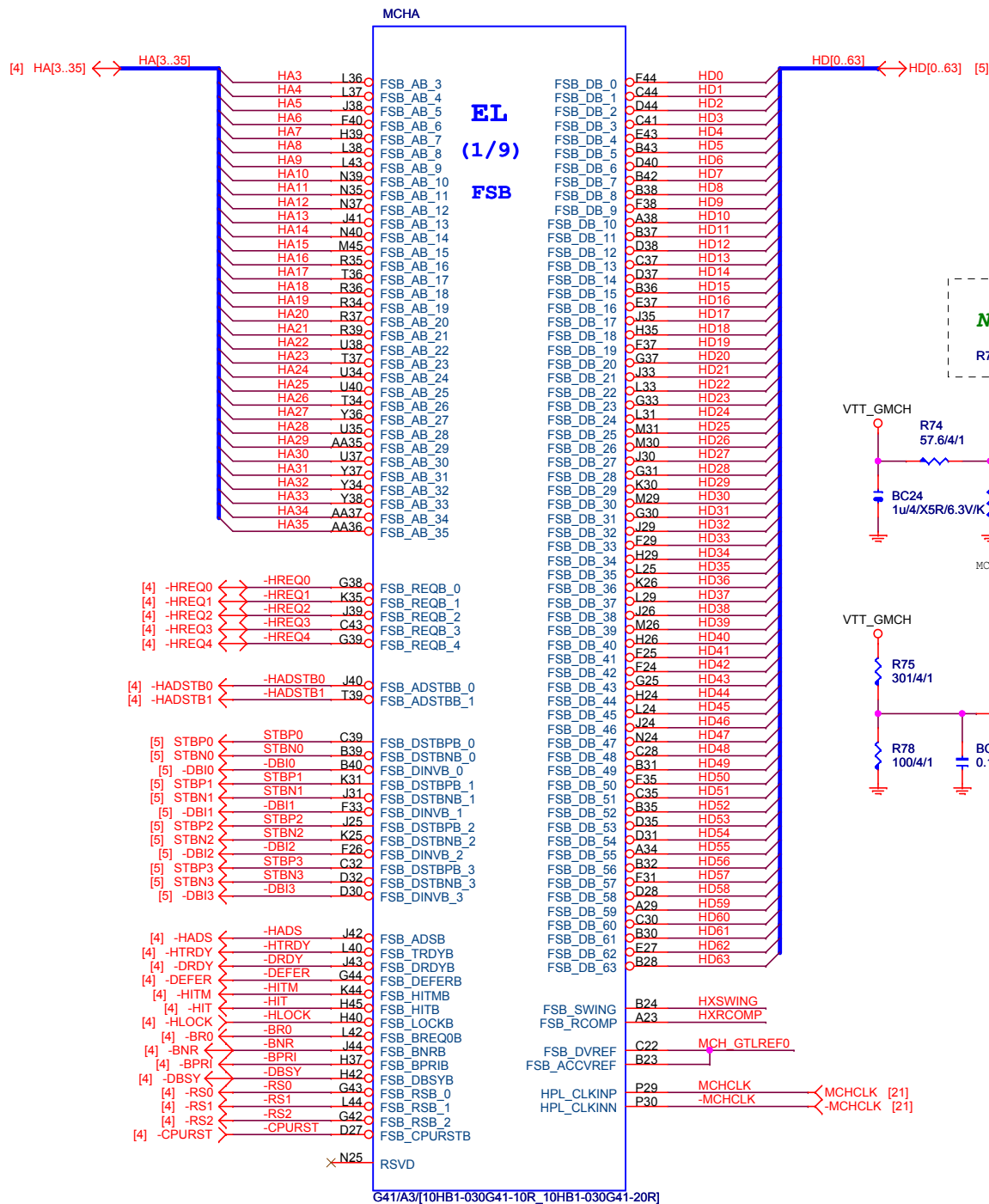
Rev 1.3

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

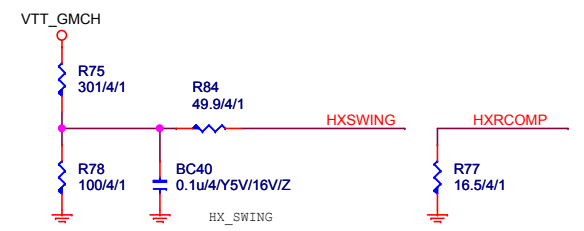
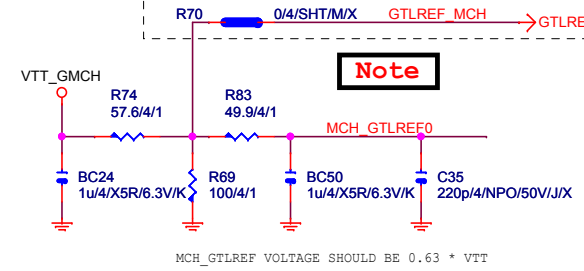


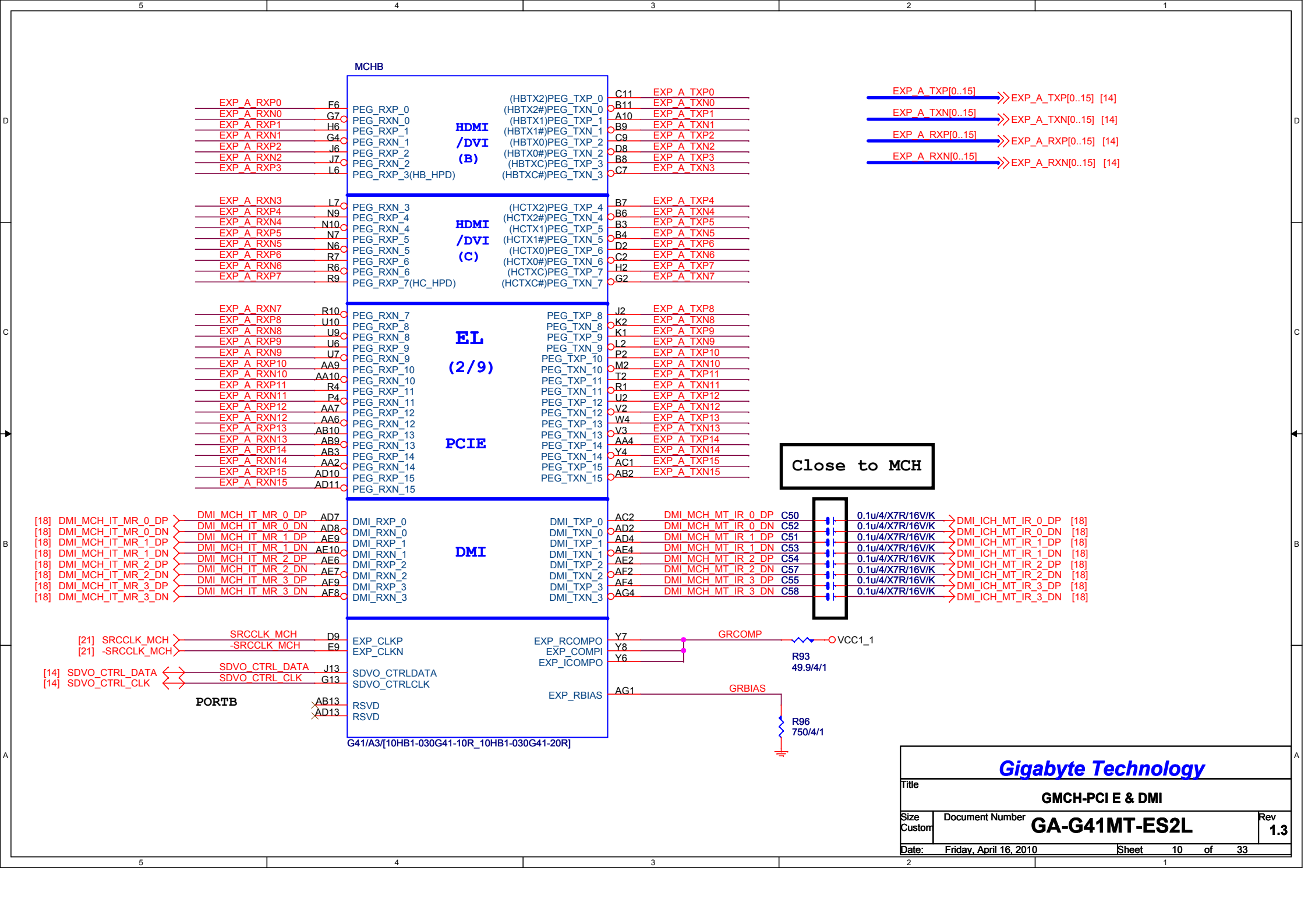
Gigabyte Technology			
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P4_LGA775-C			
Size	Document Number	GA-G41MT-ES2L	
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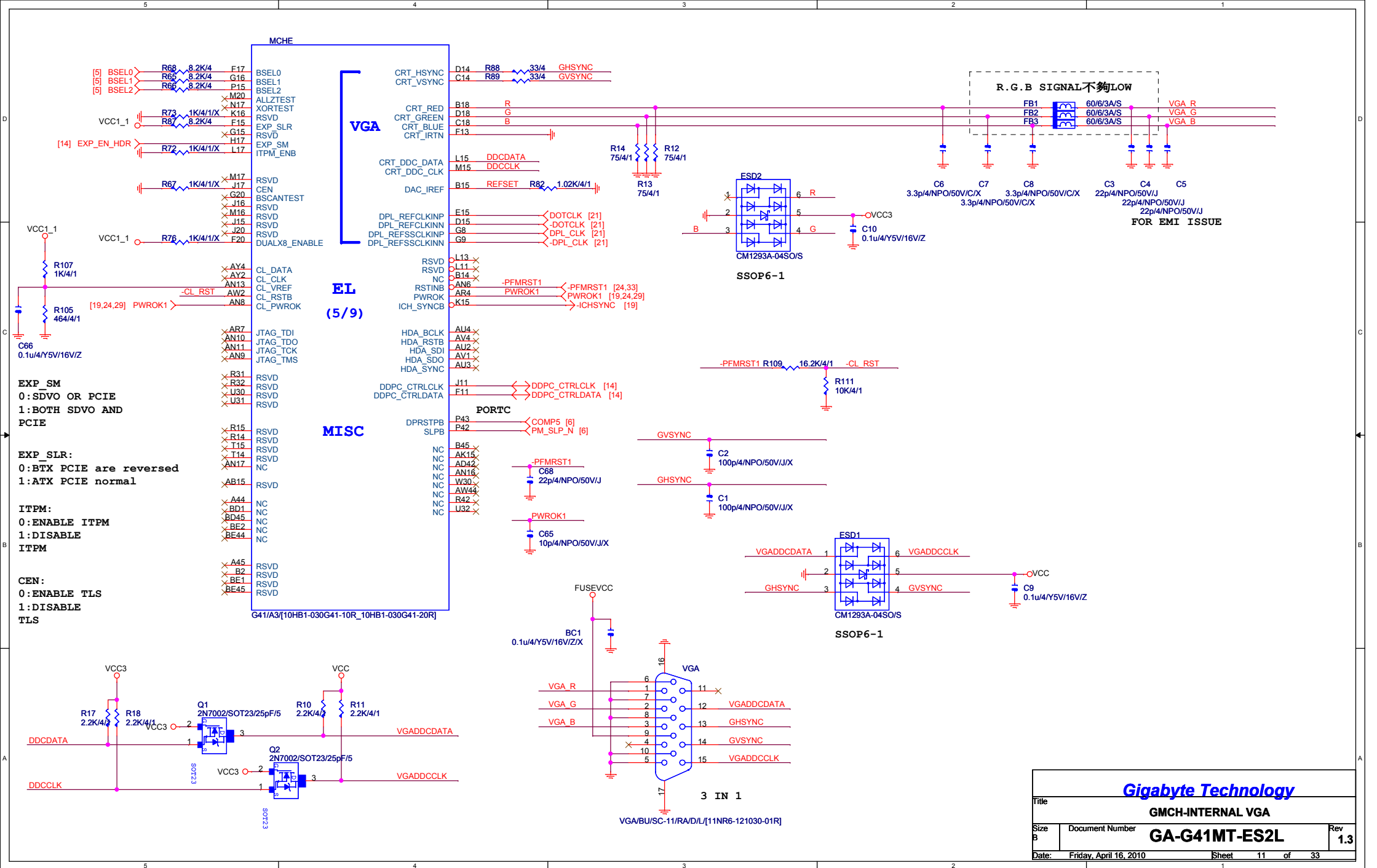
PECI:Platform Environment Control Interface

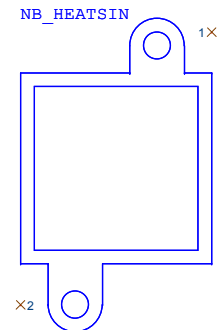


Not used for CoreTM2 Duo and Wolfdale



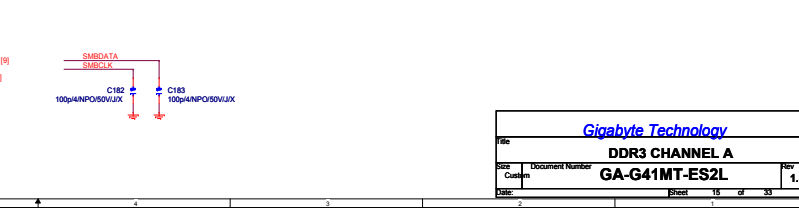
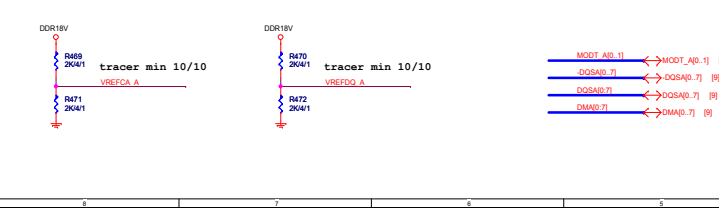
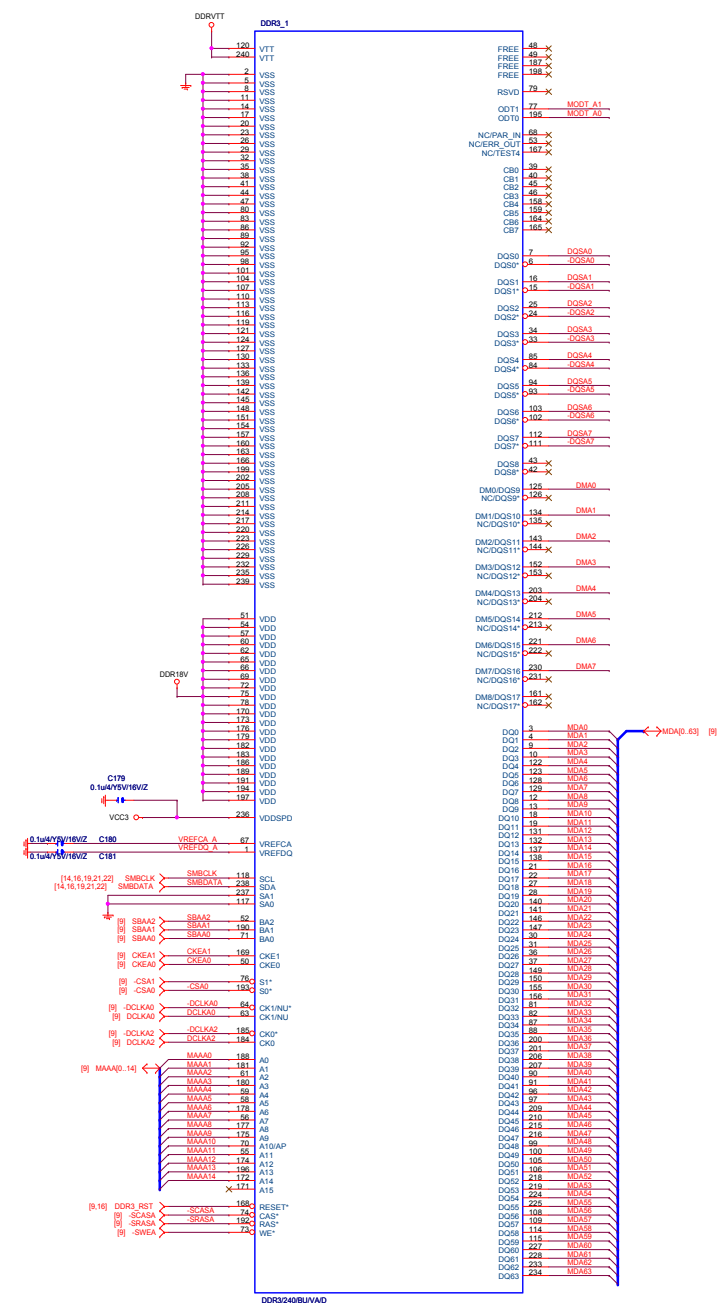






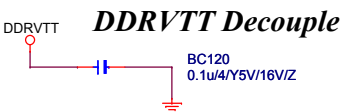
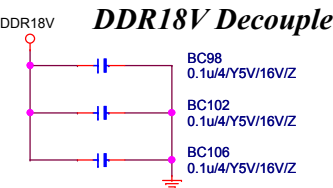
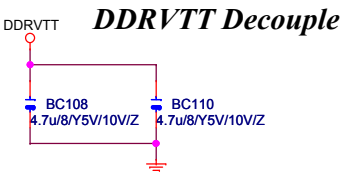
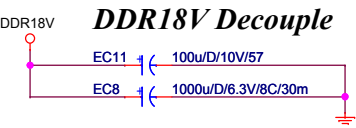
GRAY 20MM

<i>Gigabyte Technology</i>				
Title				
GMCH-GND				
Size Custom	Document Number			Rev
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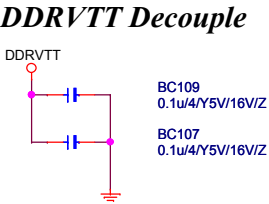
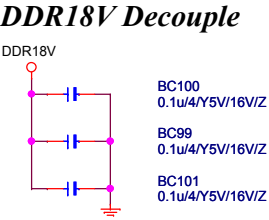


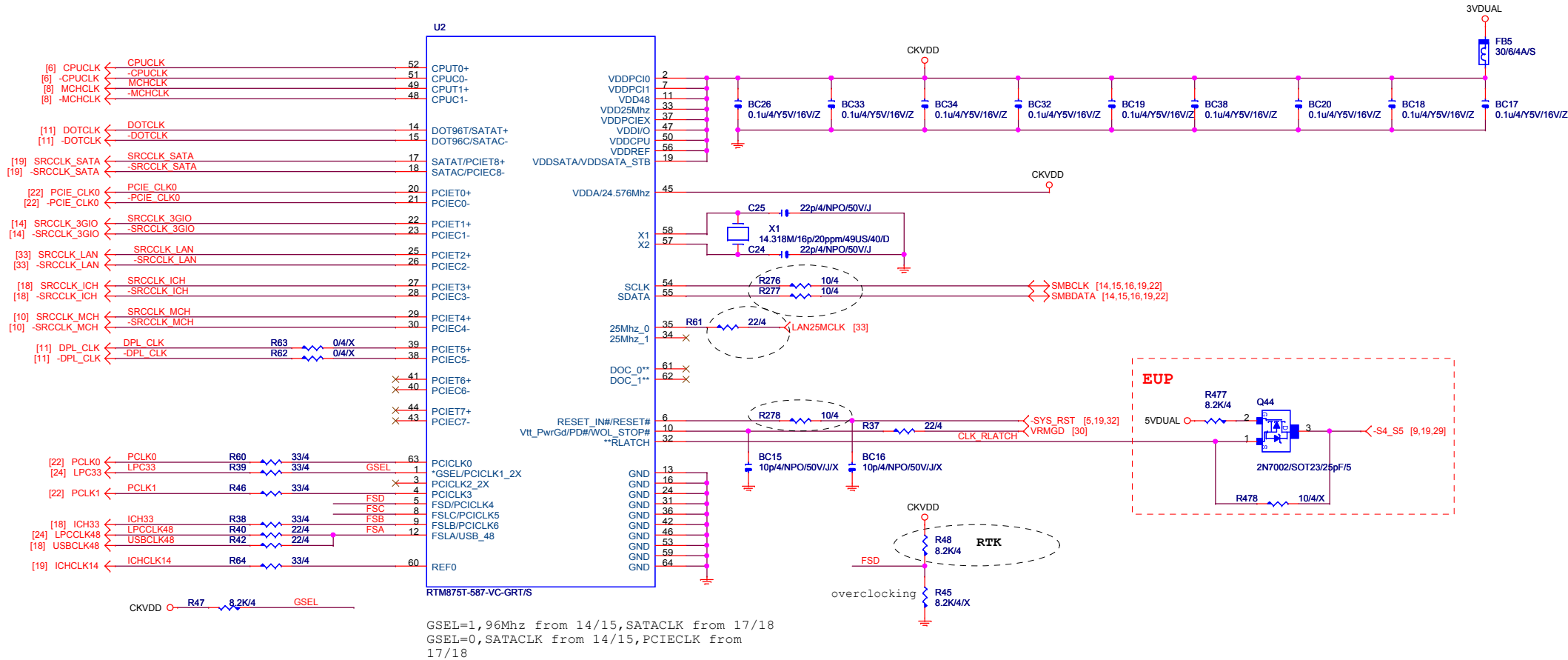


DDR TERMINATION
CHANNEL A

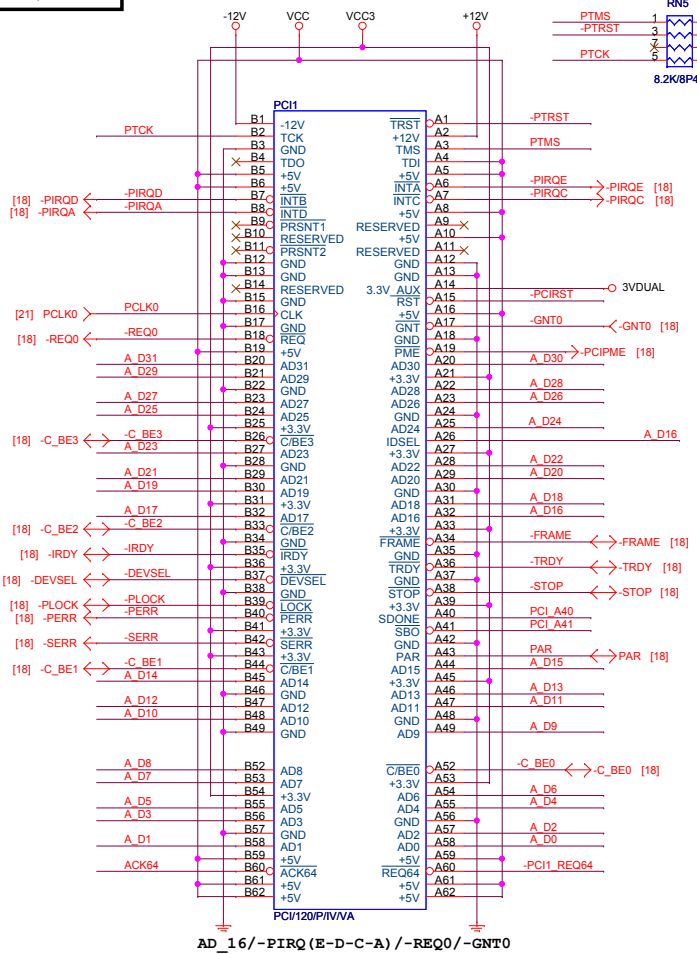


DDR TERMINATION
CHANNEL B

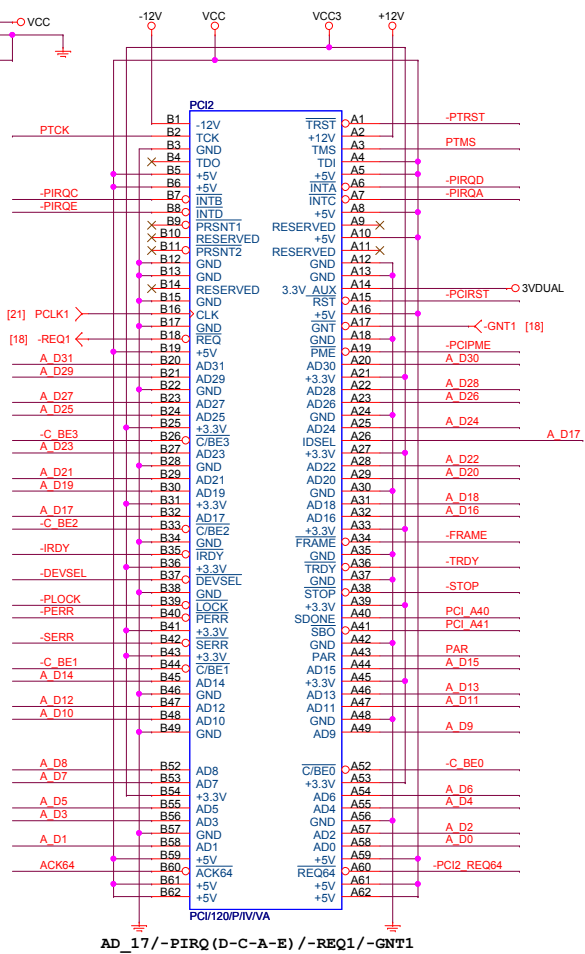




PCI1, 2 SLOT

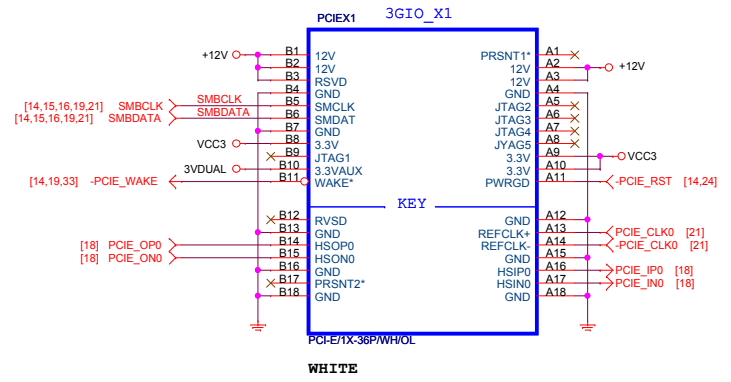


AD_16/-PIRQ (E-D-C-A) /-REQ0/-GNT0

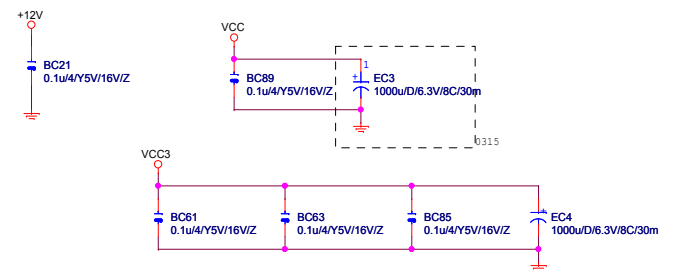
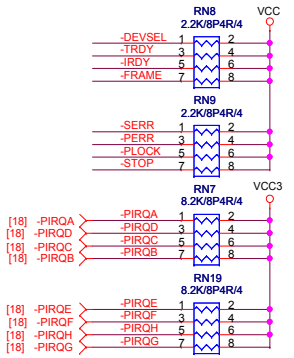
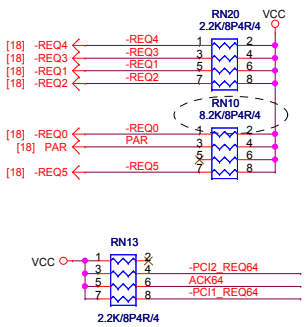
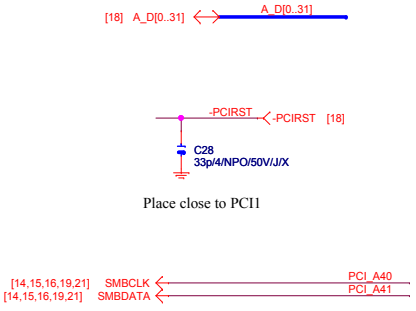


AD_17/-PIRQ (D-C-A-E) /-REQ1/-GNT1

PCI-E*1

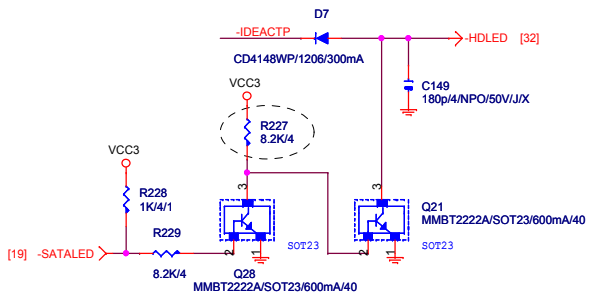


PCI-E/1X-36P/WHOL

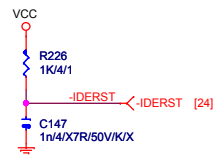


Gigabyte Technology			
PCI SLOT 1, 2/PCI-E1			
GA-G41MT-ES2L			
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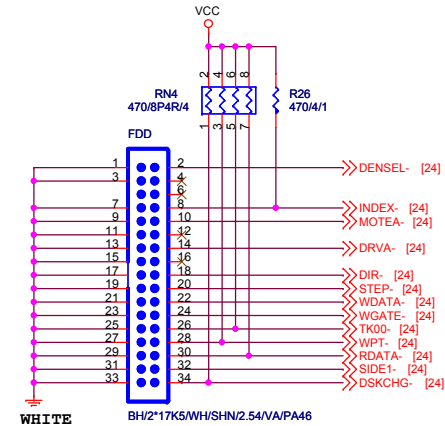
IDE/SATA LED



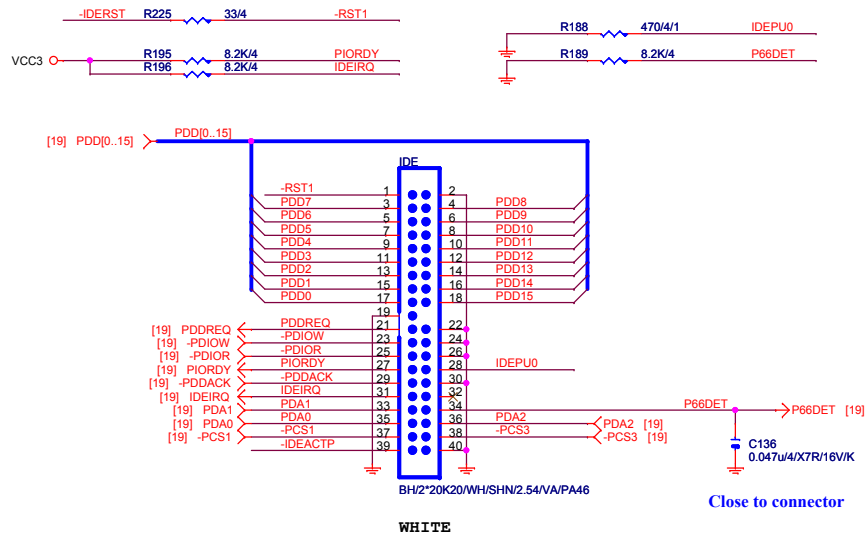
IDE RESET



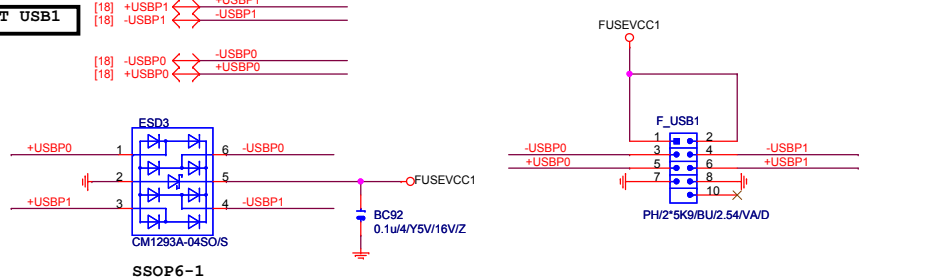
FLOPPY



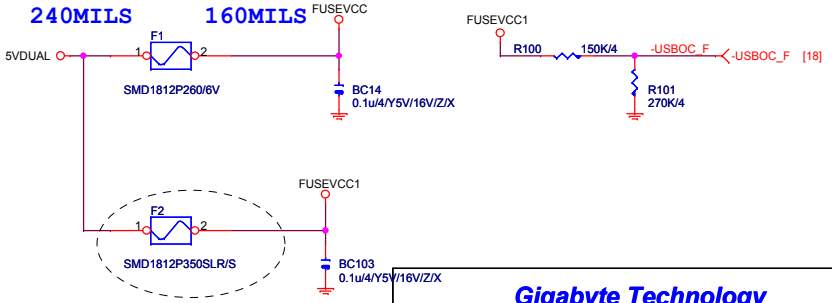
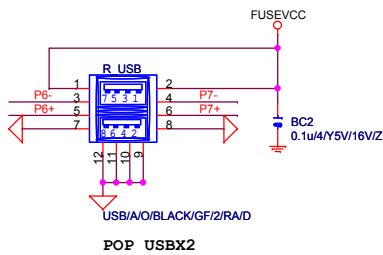
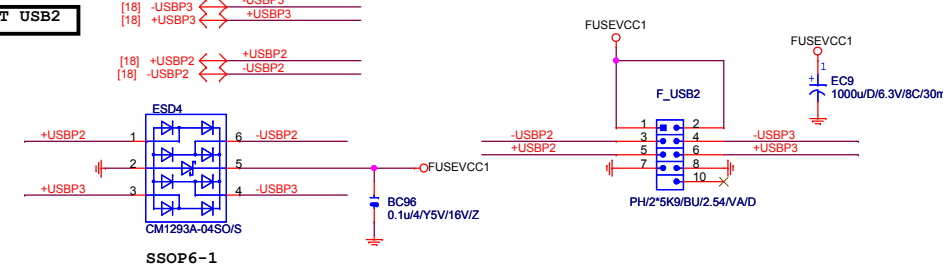
IDE



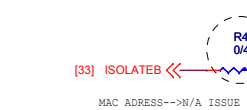
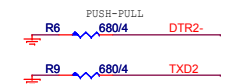
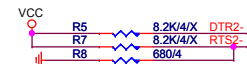
FRONT USB1



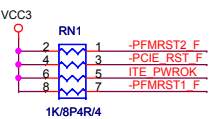
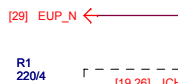
FRONT USB2



DEFAULT 50%

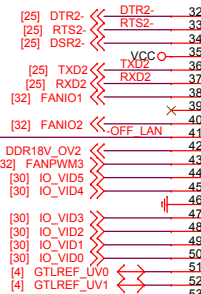


EUP

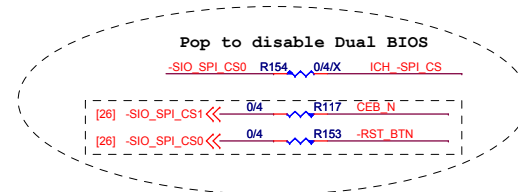
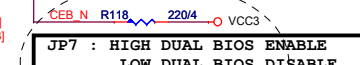
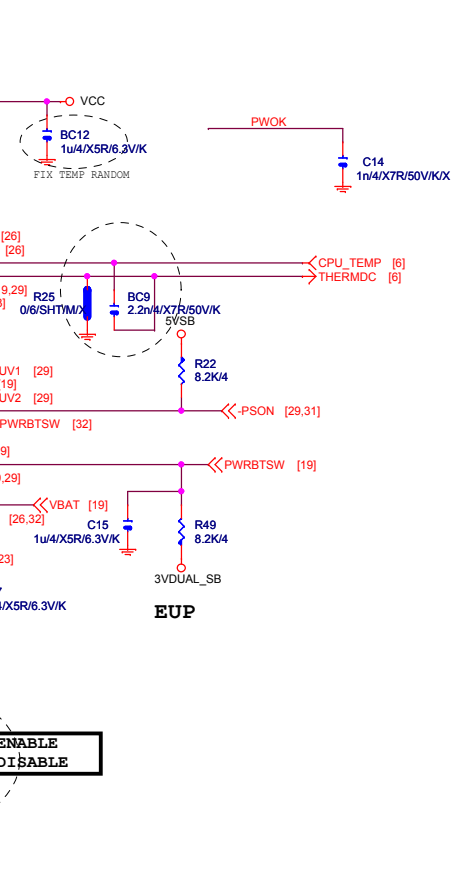
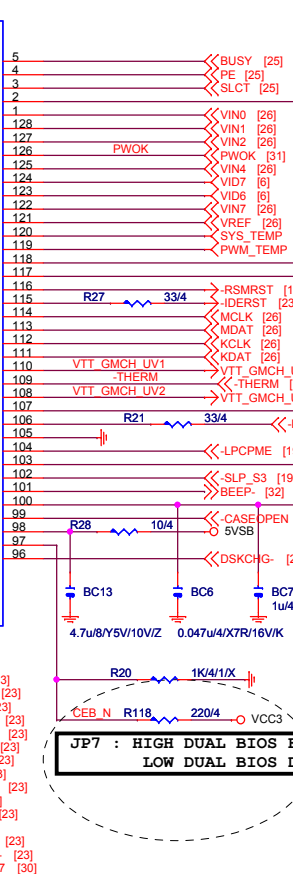
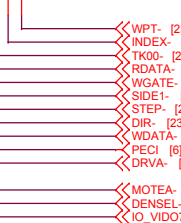
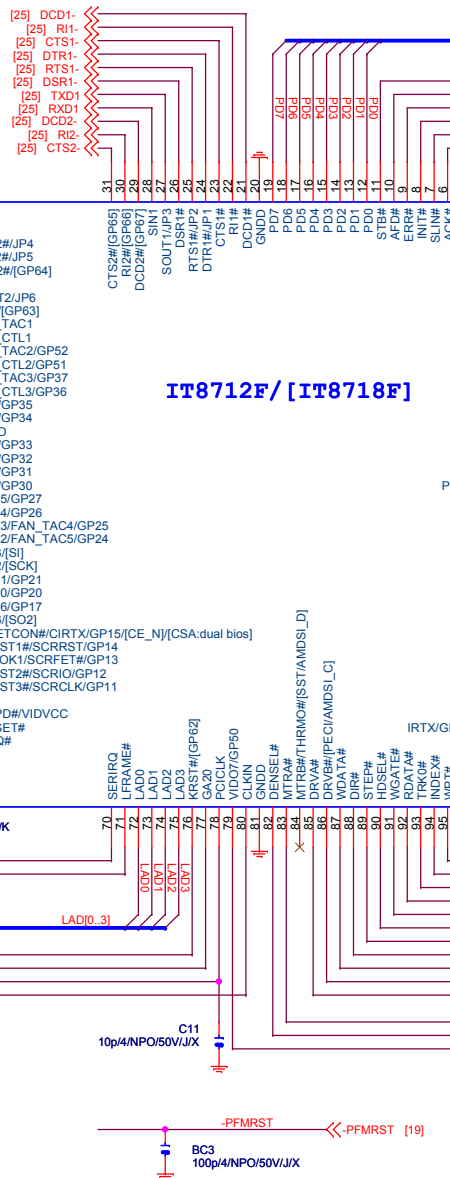
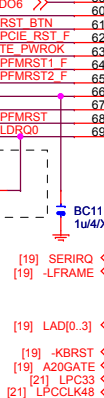


Pin 59 Dual BIOS ,Power On Strapping:
H ==>Dual BIOS function Enable
L ==>Dual BIOS function Disable

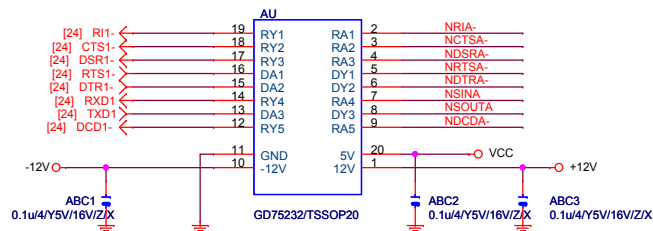
1.2V or 3.3V tolerance select.
1.2V OUTPUT 接 VTT_GMCH
3.3V OUTPUT 接3.3V
LPCPD#=VIDVCC



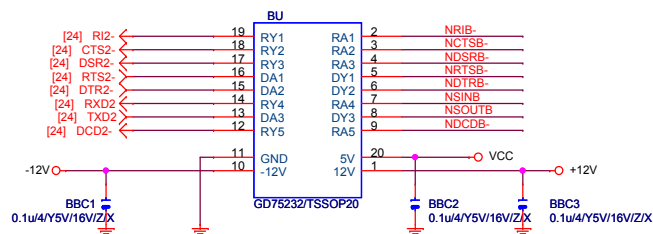
IT8712F/[IT8718F]



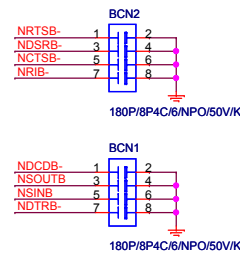
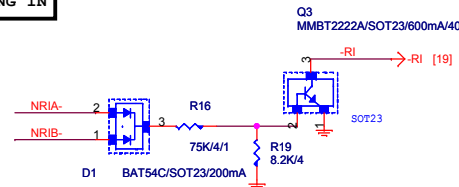
COMA



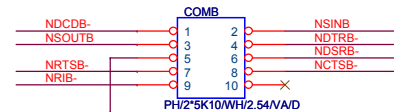
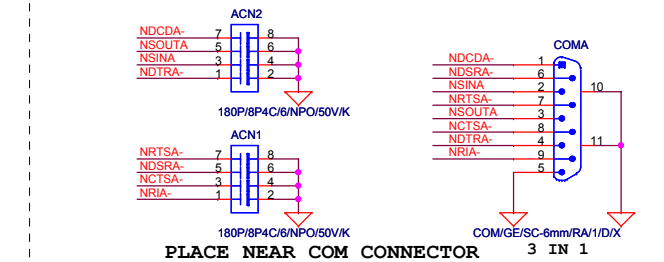
IC20TSSOP-1



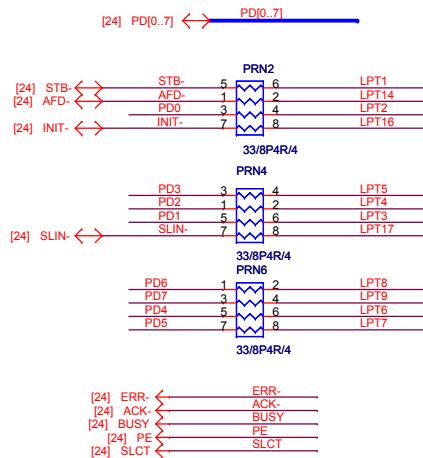
RING IN



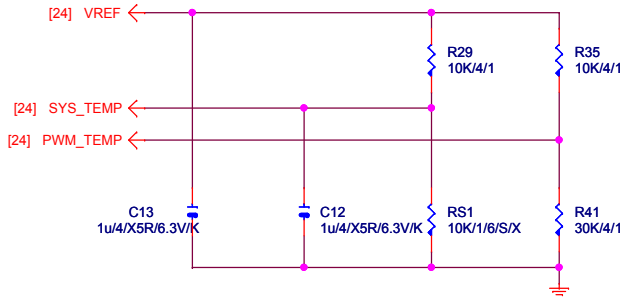
EXTERNAL COMA



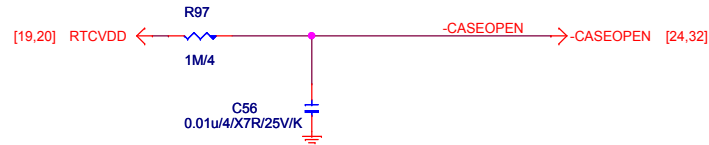
LPT PORT



TEMP H/W MONITOR

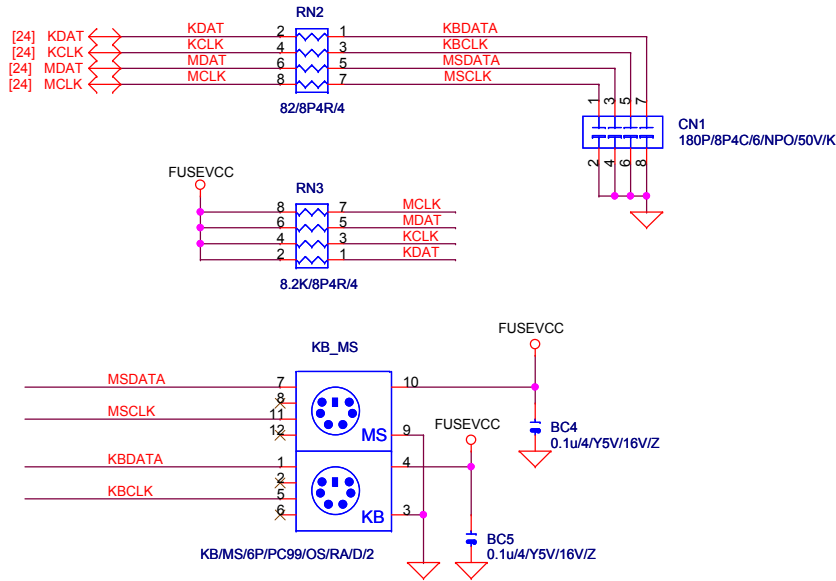


CASE OPEN

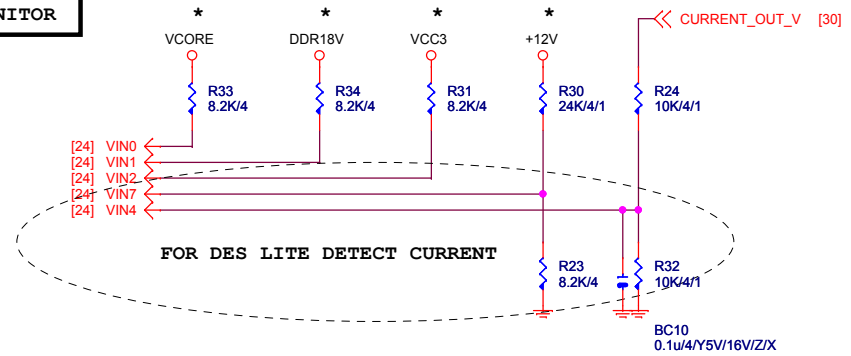


Case Open Circuits

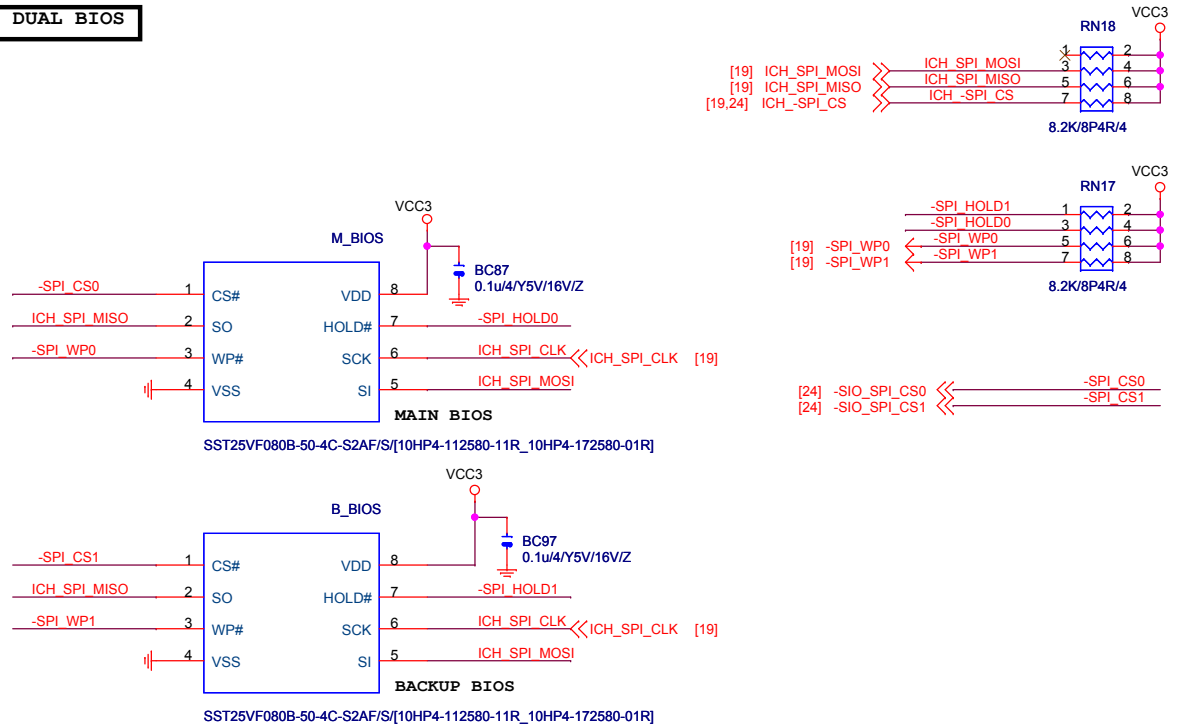
KB/MS



VOLTAGE-- H/W MONITOR

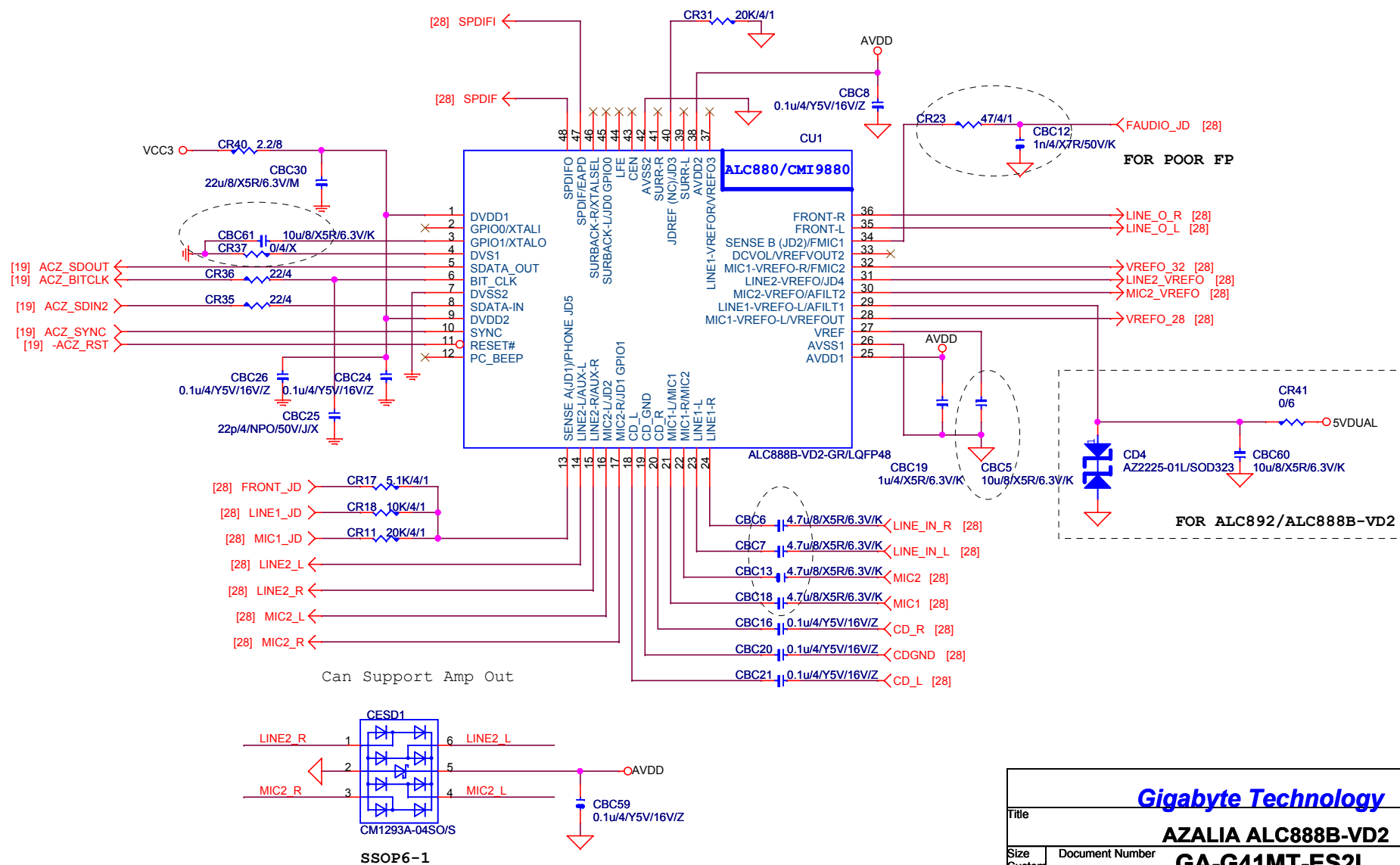


DUAL BIOS



Gigabyte Technology

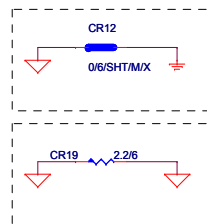
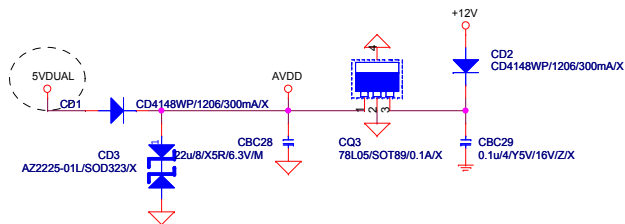
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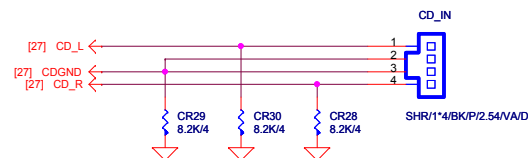
Gigabyte Technology

Title					Rev 1.3
AZALIA ALC888B-VD2					
Size Custom	Document Number				1.3
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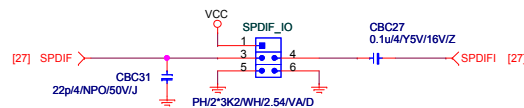
CODEC POWER/EMI PAD



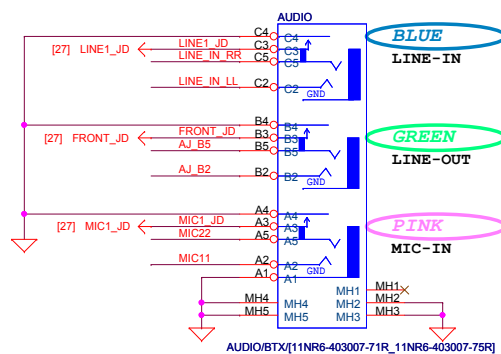
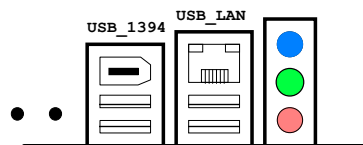
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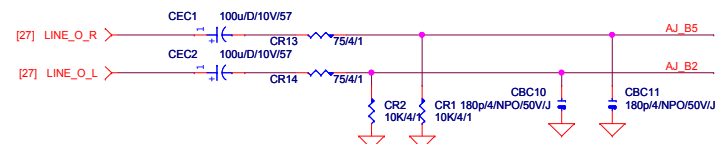
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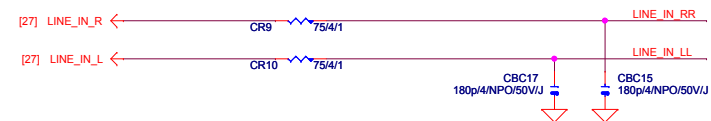
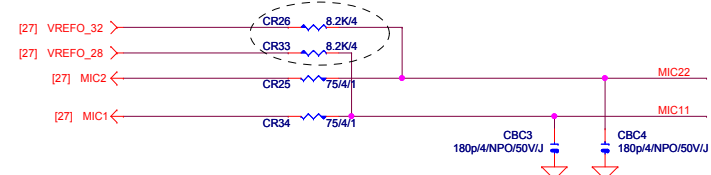
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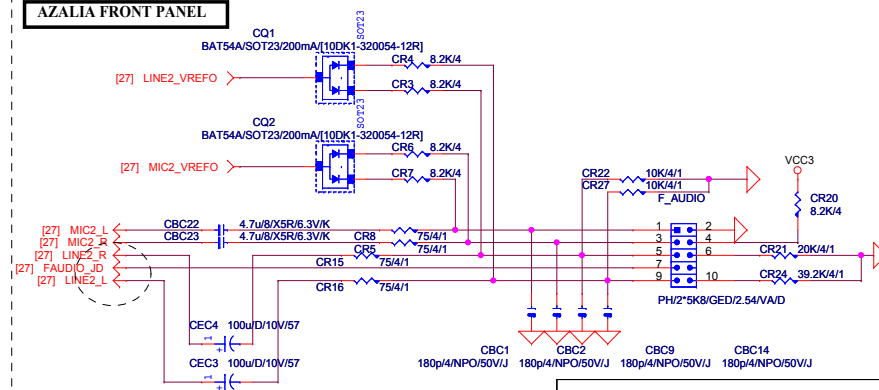
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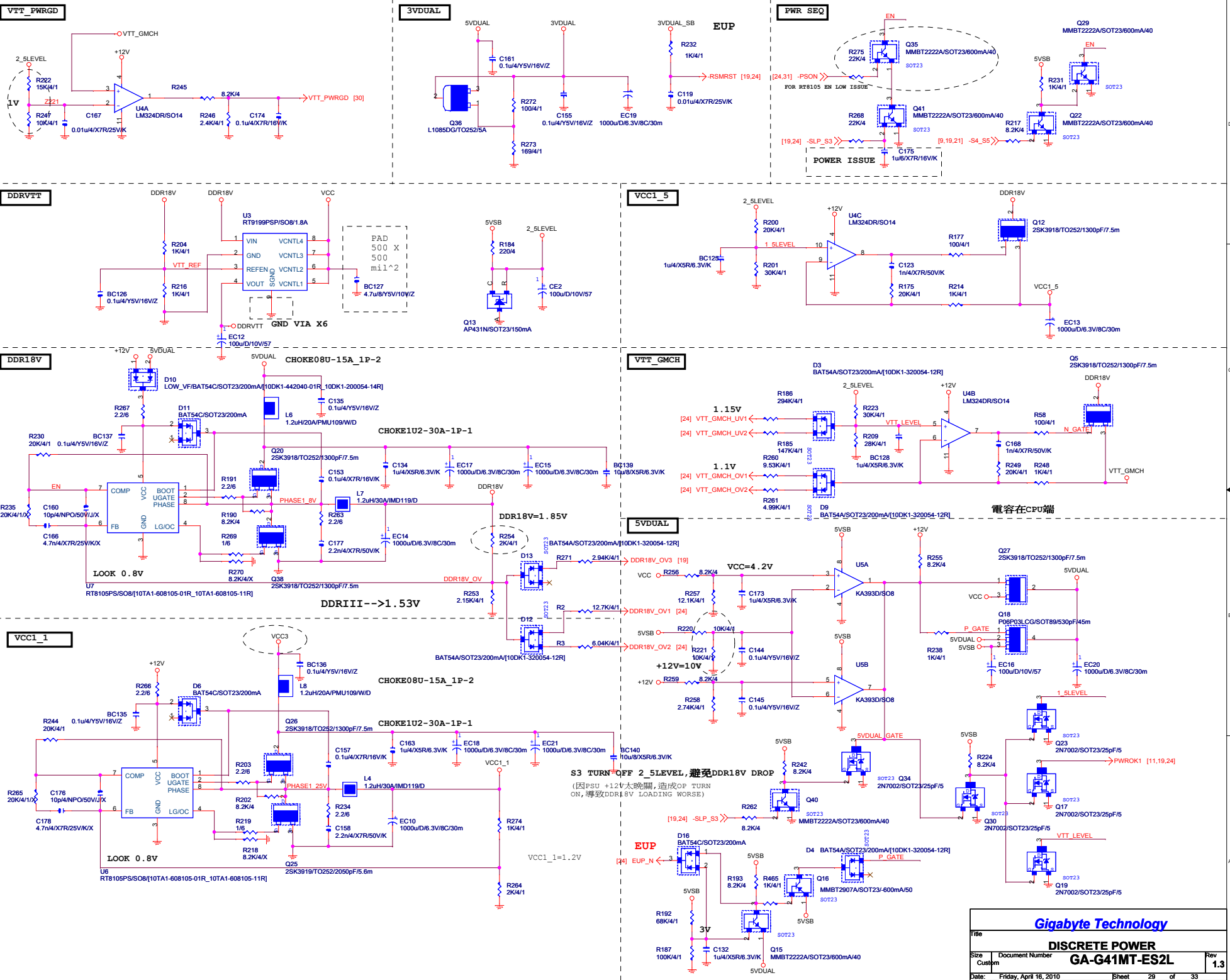


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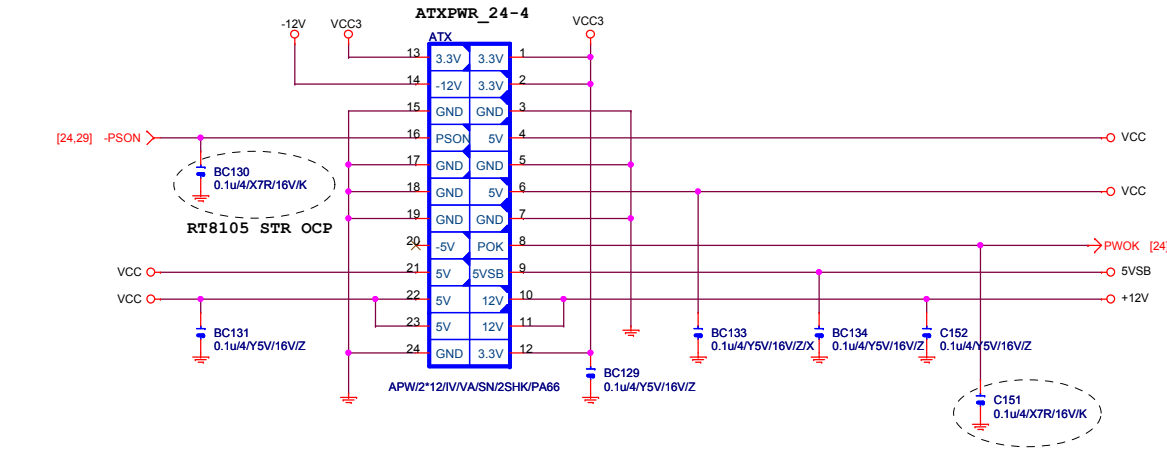
**MIC-IN**

AZALIA FRONT PANEL

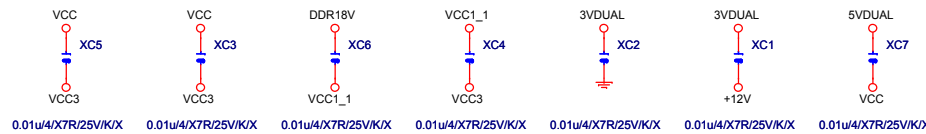
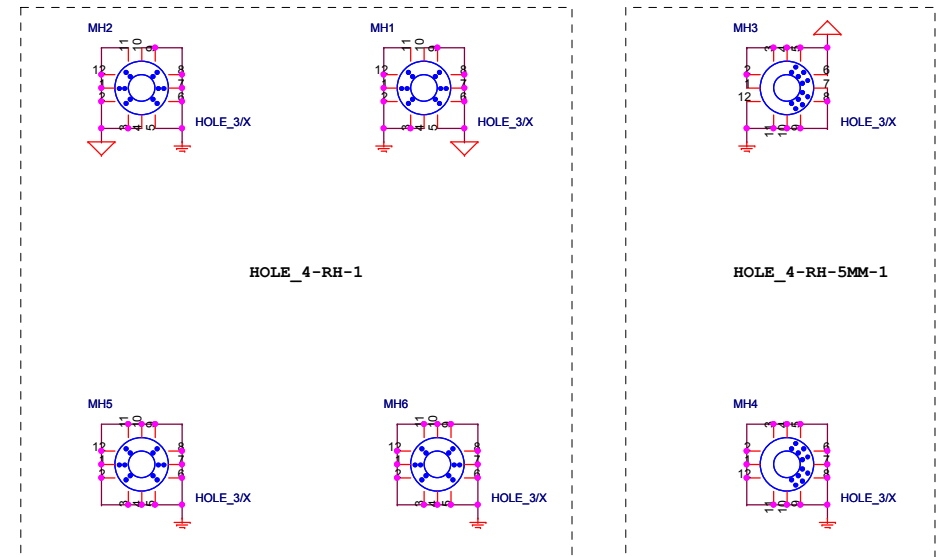
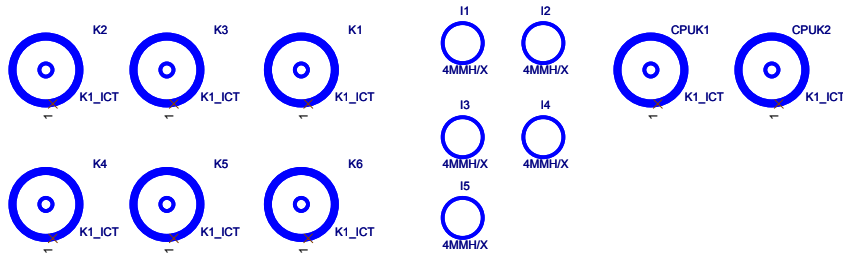
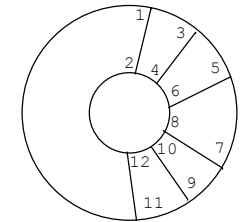
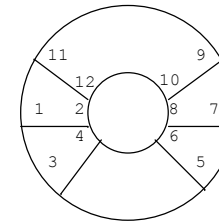
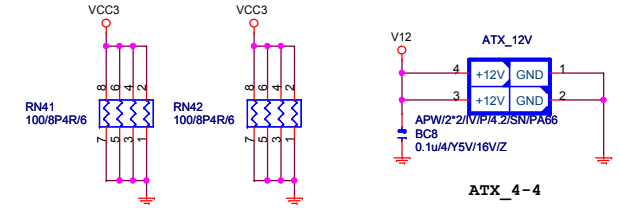




ATX POWER CONNECTOR



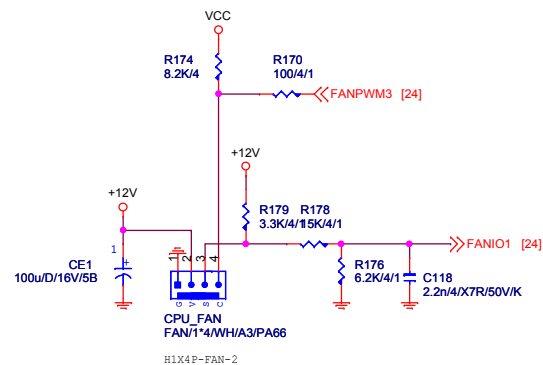
FIX PWR AcBel (ATX-400C-A2ADB)



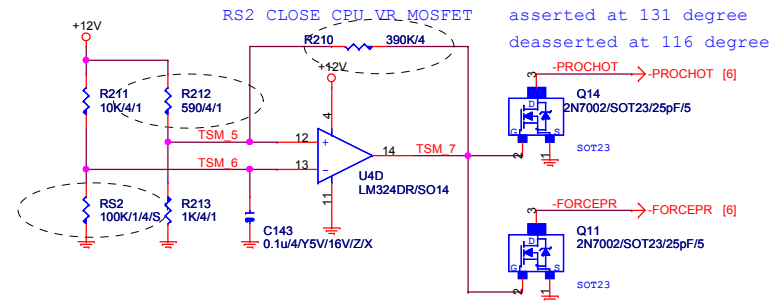
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CPU SMART FAN SMART FAN

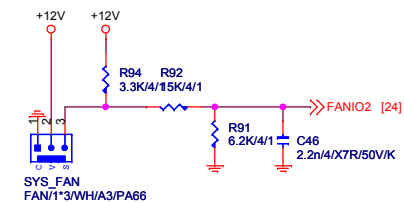
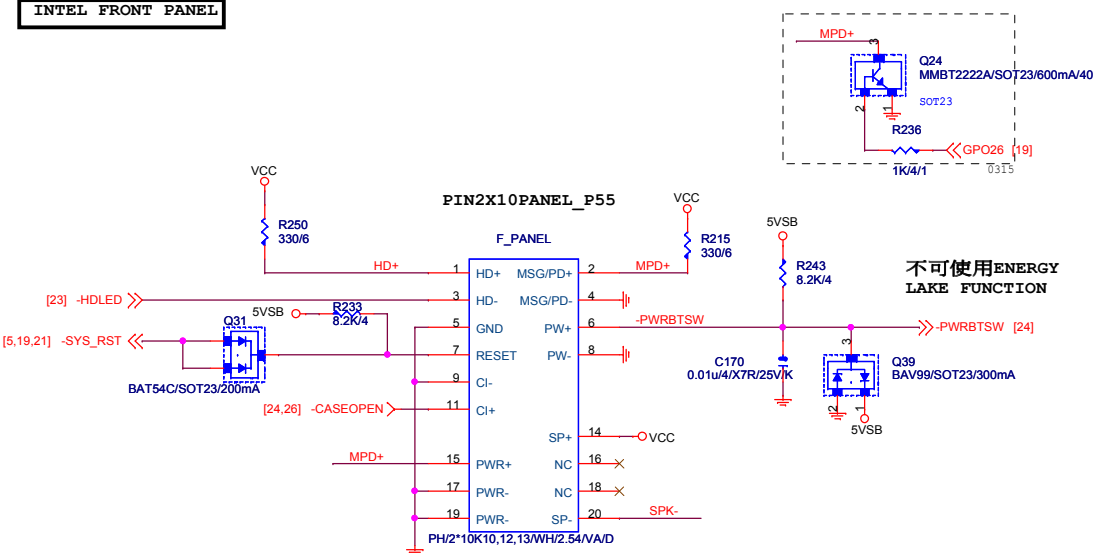


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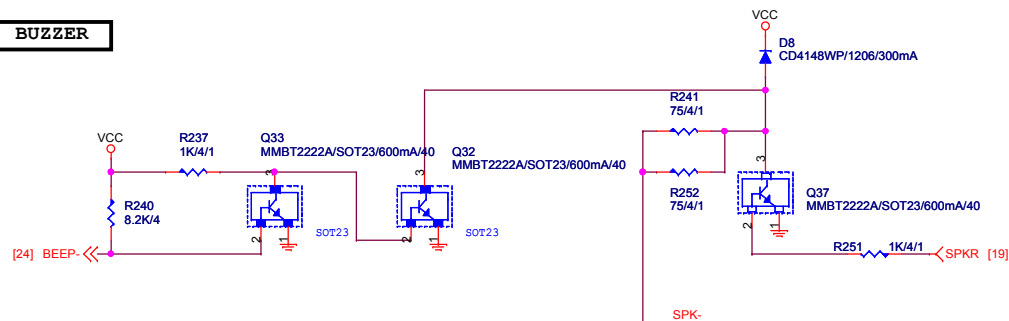


INTEL FRONT PANEL

SYS_FAN



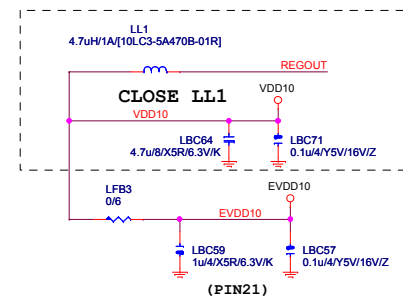
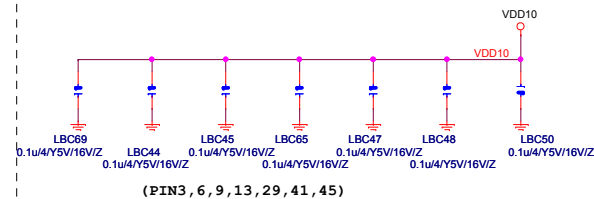
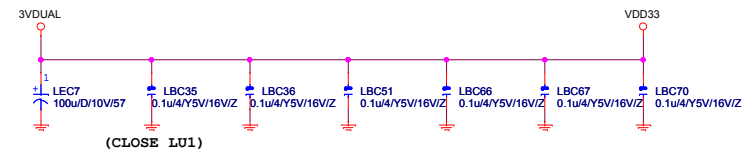
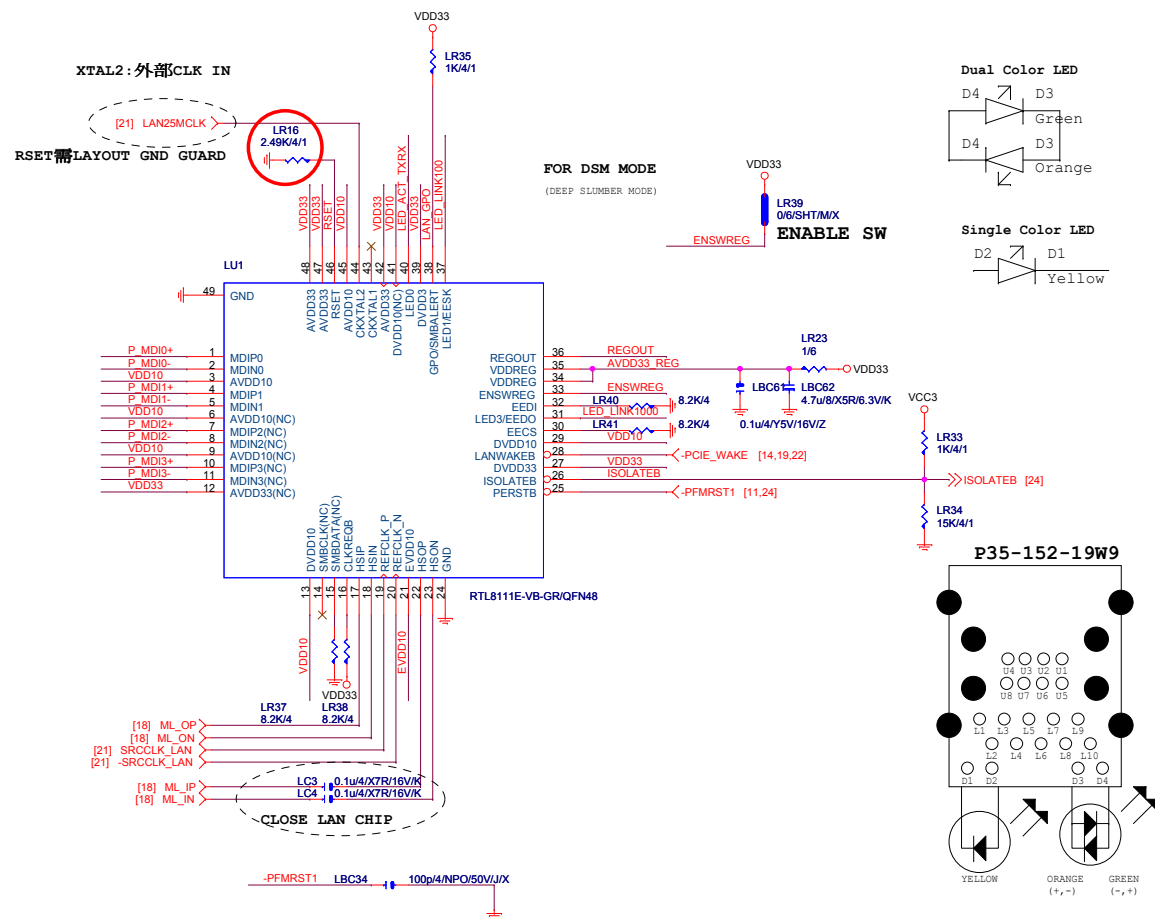
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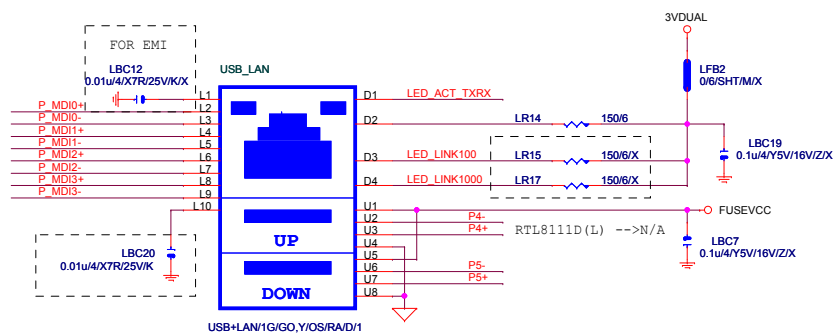
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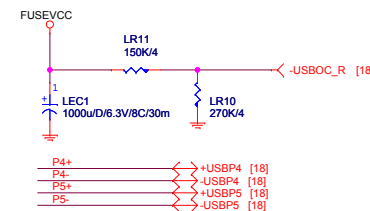
PCIE-1G LAN



USB_LAN CONNECTOR



USB_LAN



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REALTEK RTL8111R/RTL8105E			
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