

Model Name: GA-H61MA-D3V

Revision 2.0

SHEET

TITLE

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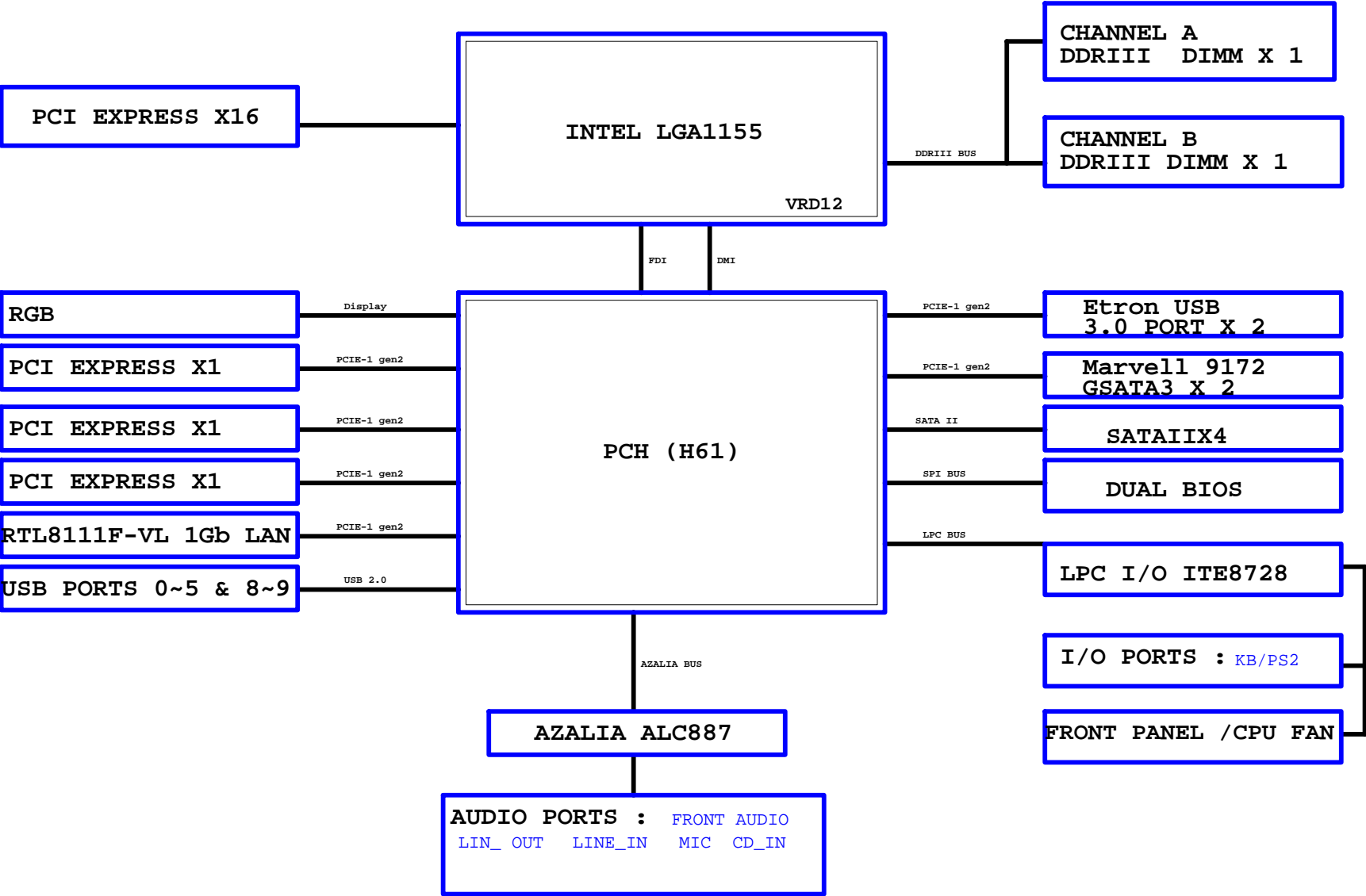
01	COVER SHEET
02	BOM & PCB MODIFY HISTORY
03	BLOCK DIAGRAM
04	CPU_LGA1155-A
05	CPU_LGA1155-B
06	CPU_LGA1155-C
07	DDR III CHANNEL A
08	DDR III CHANNEL B
09	PCH_FDI,DMI,USB,PCIE,NVRAM
10	PCH_DP,CLK BUFFER
11	PCH_HOST,SATA,PCI
12	PCH_GPIO,CTRL,AUDIO
13	PCH_PWR,GND
14	PCI EXPRESS*16 SLOT
15	PCI EXPRESS*1x3 SLOT
16	ITE 8728 LPC IO
17	COMA,KB_MS,R_USB,-PROCHOT
18	HWM,FAN CTRL,OV
19	DUAL BIOS
20	FP,FUSB,SPK,SATALED
21	ALC887
22	REAR AUDIO JACK
23	ATHEROS AR8151B/USB_LAN
24	DISCRETE POWER
25	ATX,-S_WARN,-S_ACK,5VDUAL
26	Richtek_RT8120_CPU_VTT
27	VCORE INTERSIL_95836_1

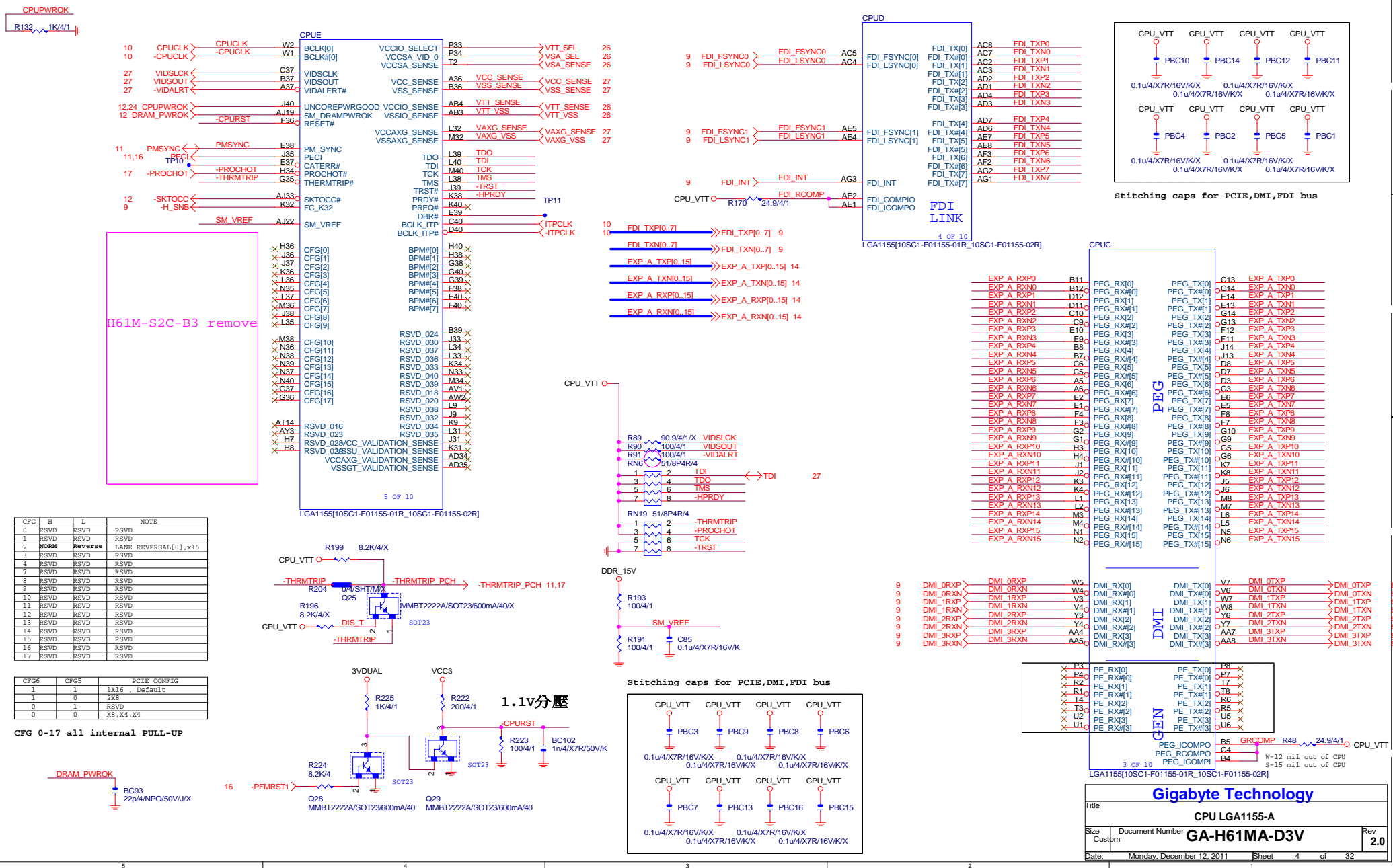
28	VCORE INTERSIL_95836_2
29	VCORE INTERSIL_95836_3
30	ETRON USB 3.0
31	DVI
32	Marvell 9172

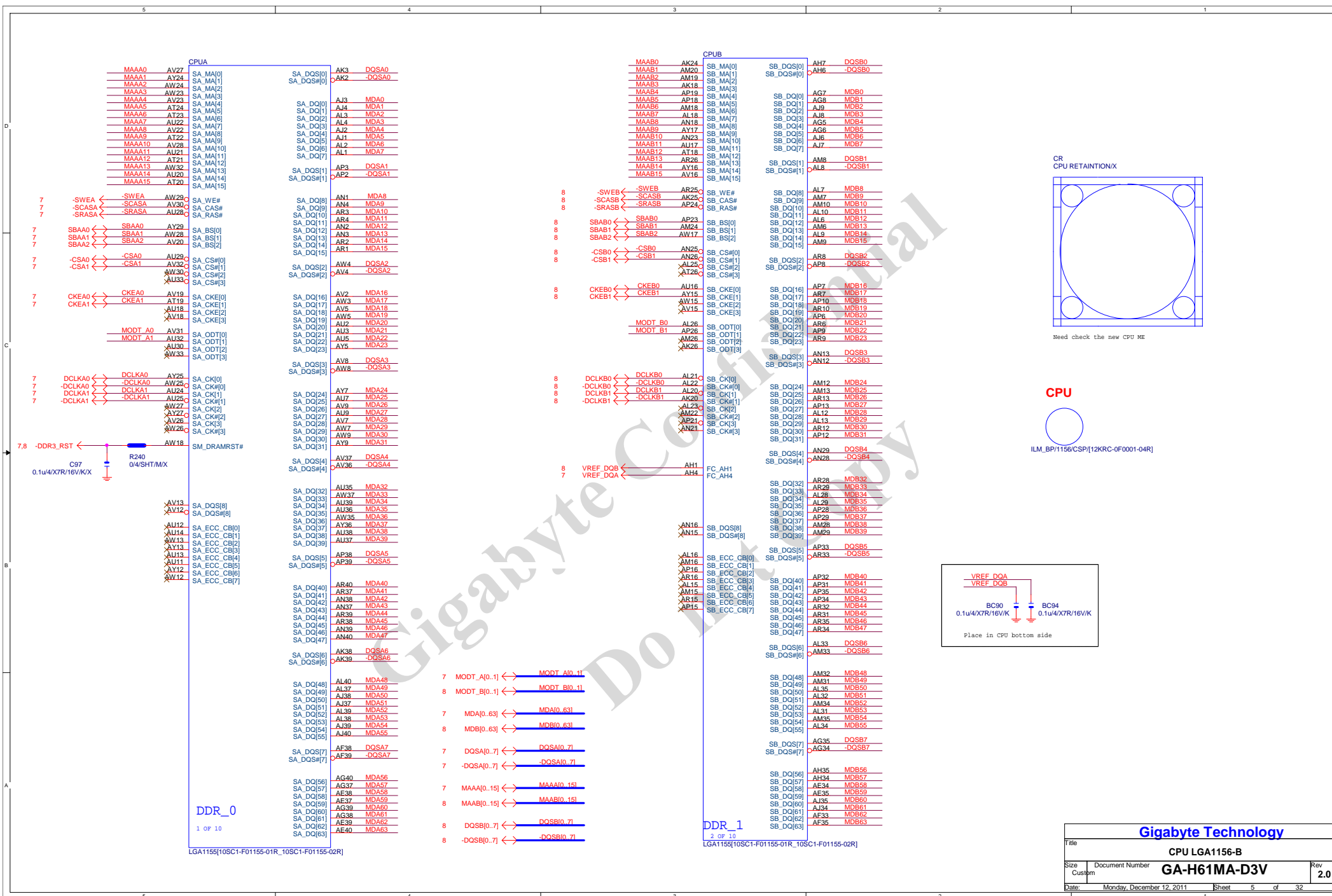
Gigabyte Technology

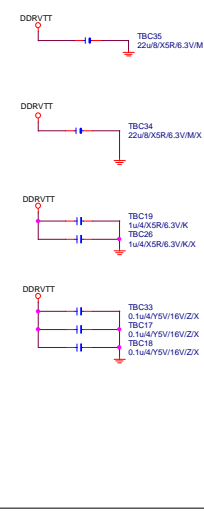
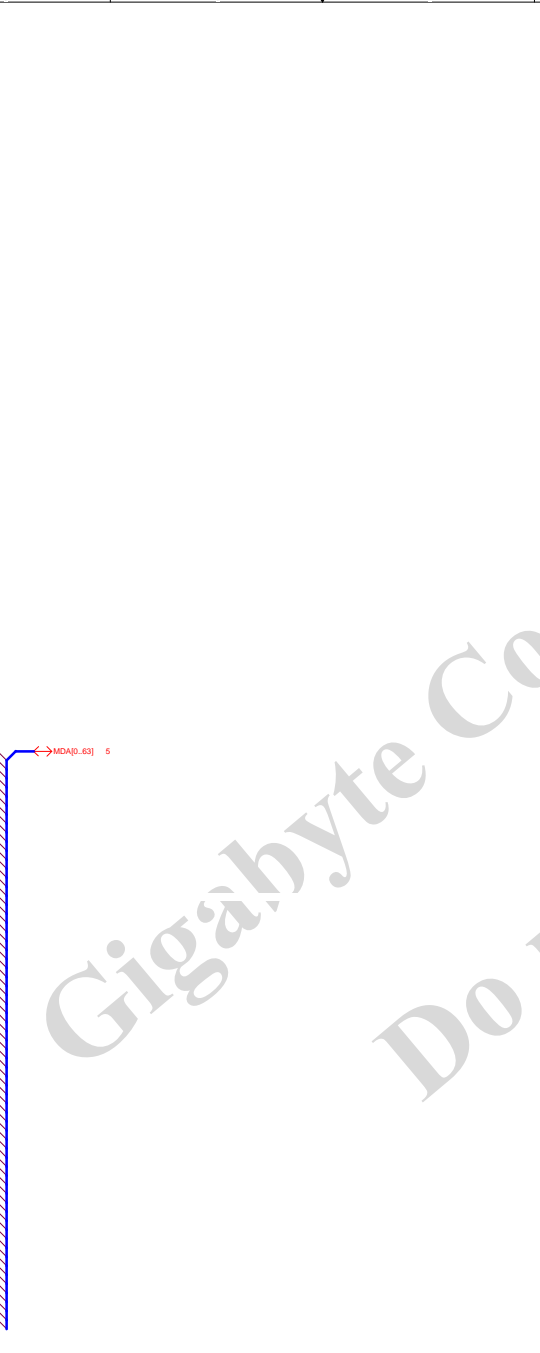
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Size	Document Number	GA-H61MA-D3V
Custom		Rev 2.0
Date:	Monday, December 12, 2011	Sheet 1 of 32

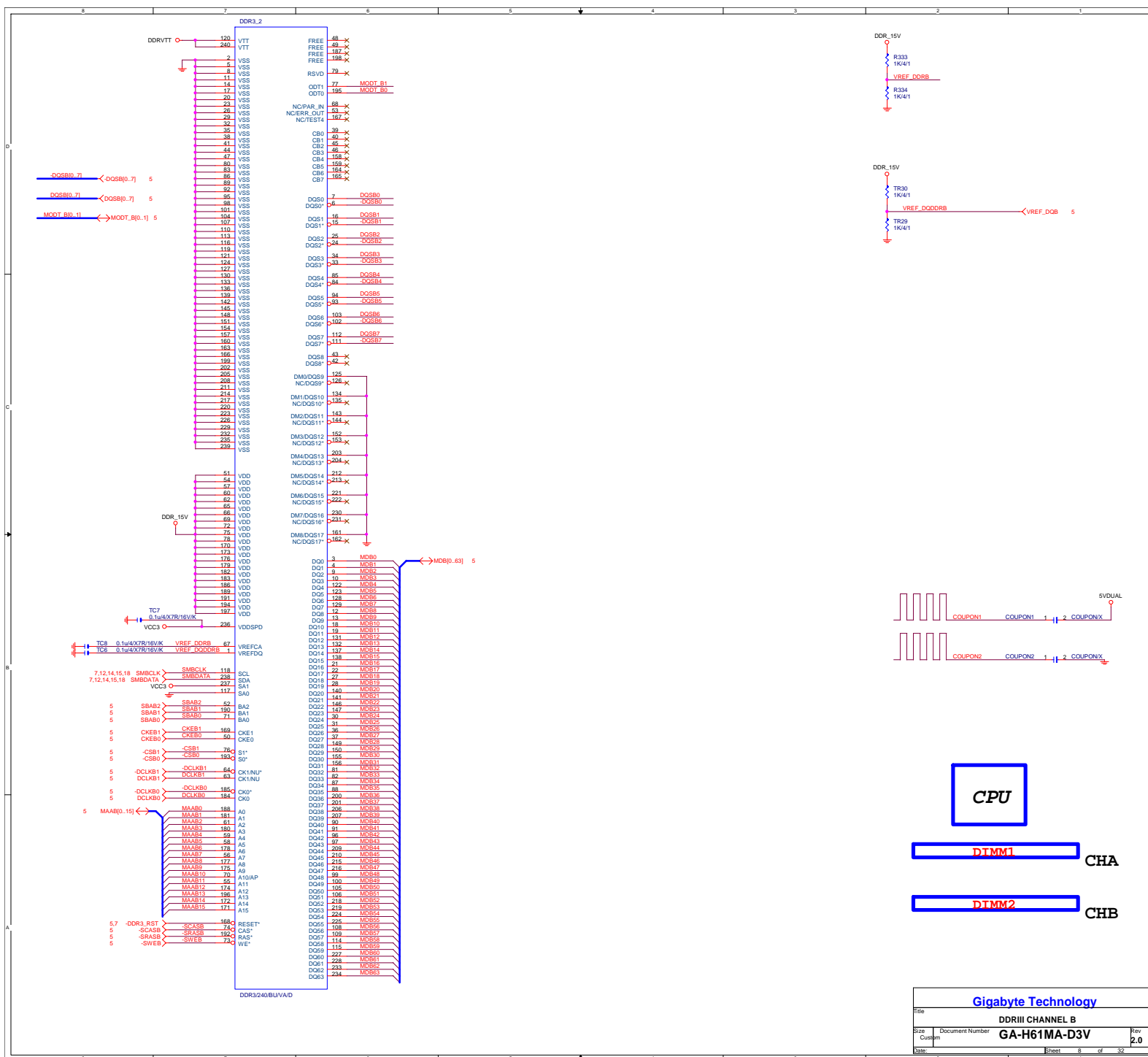
BLOCK DIAGRAM

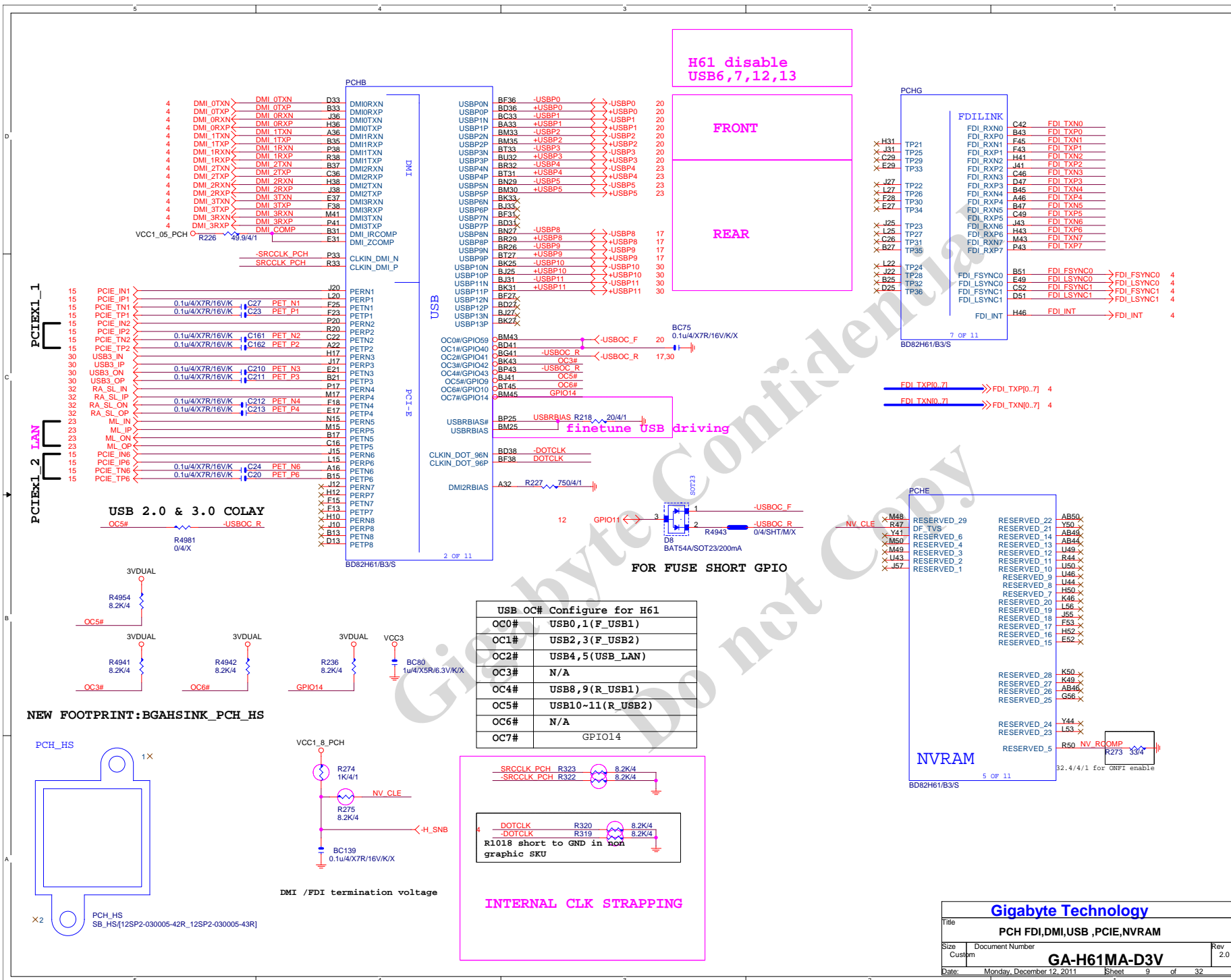




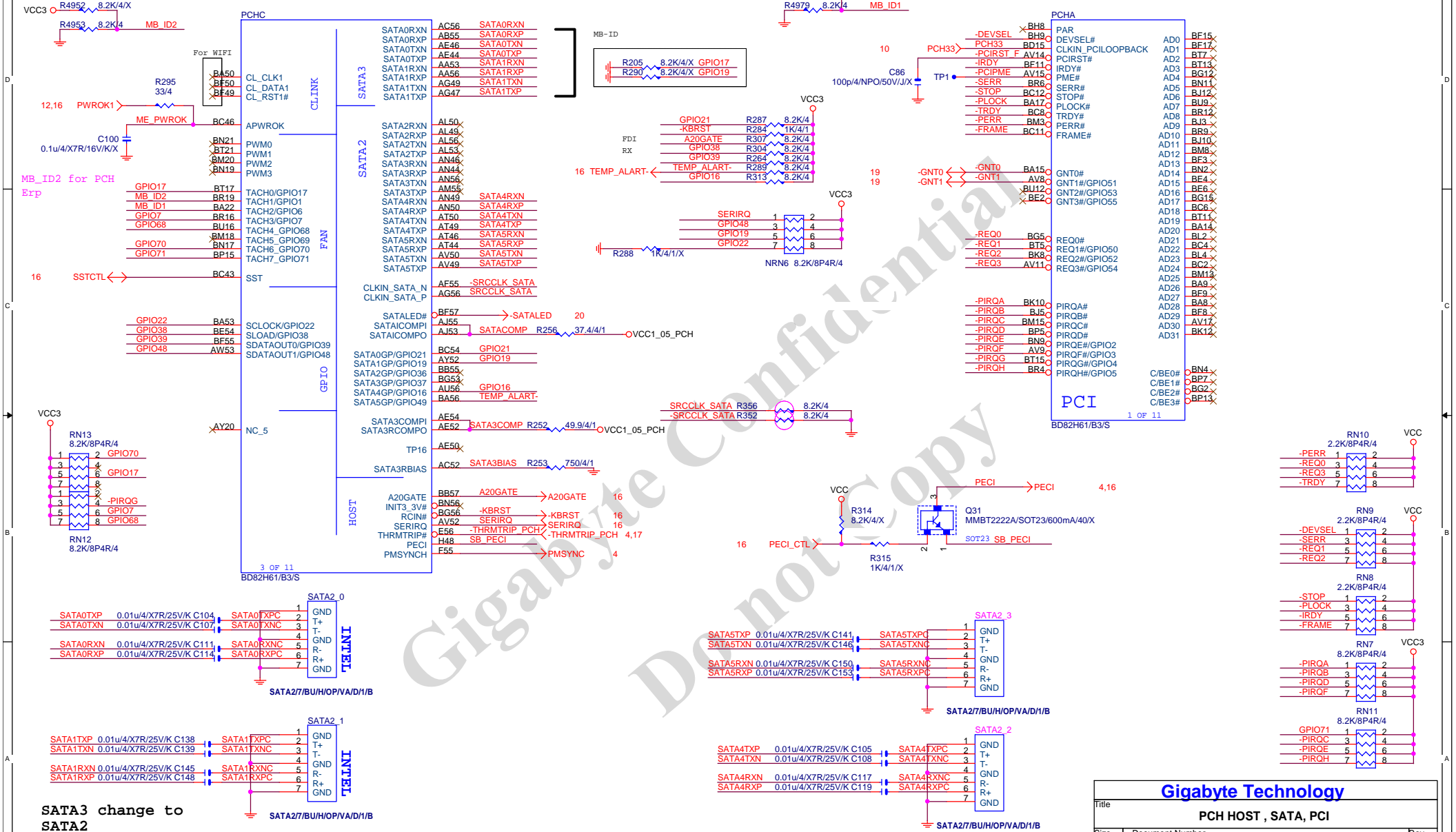








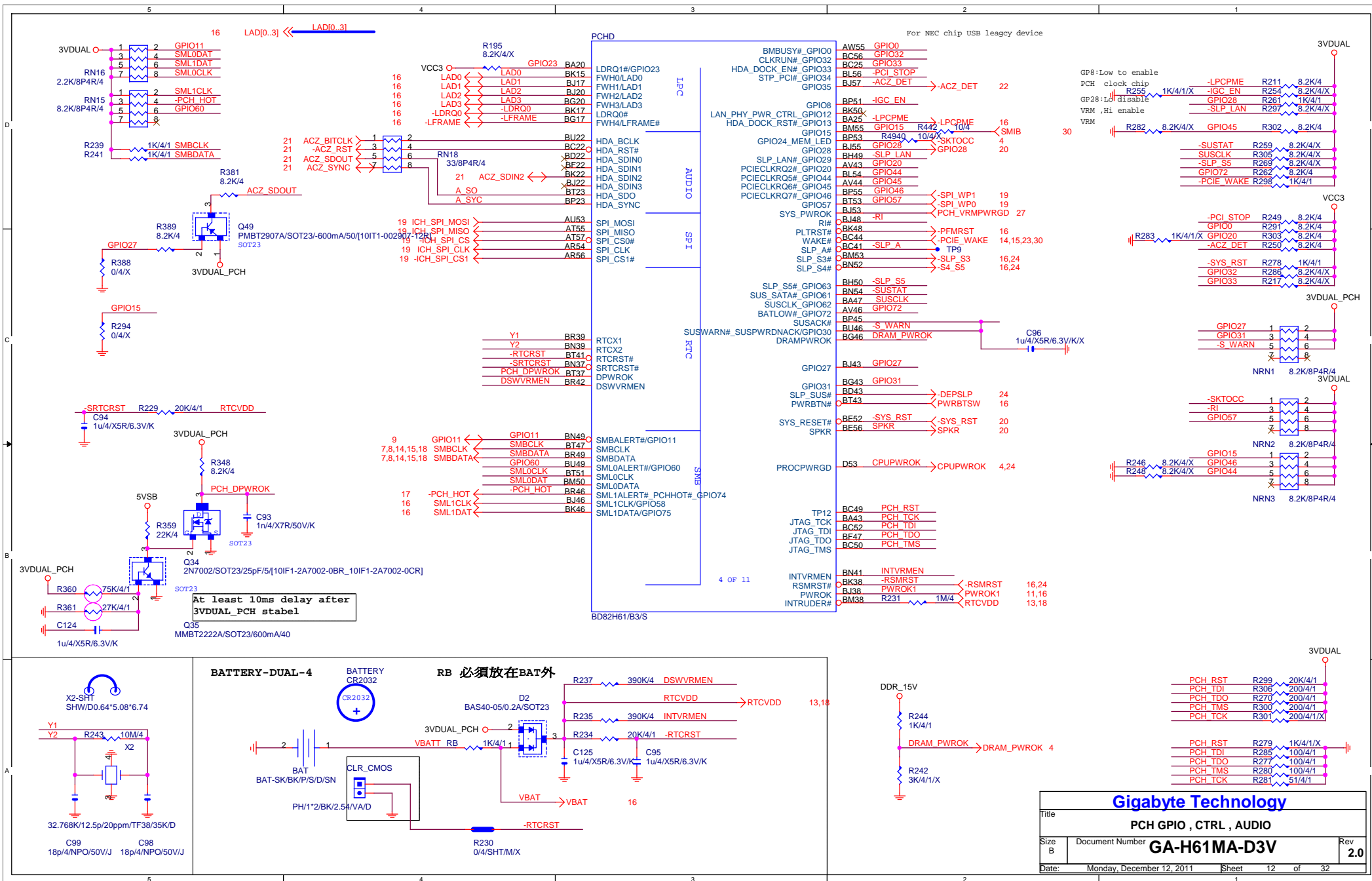
H61 SATA3.0 Disable

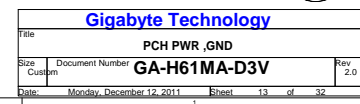


H1X7-SATA2-HS-MASK

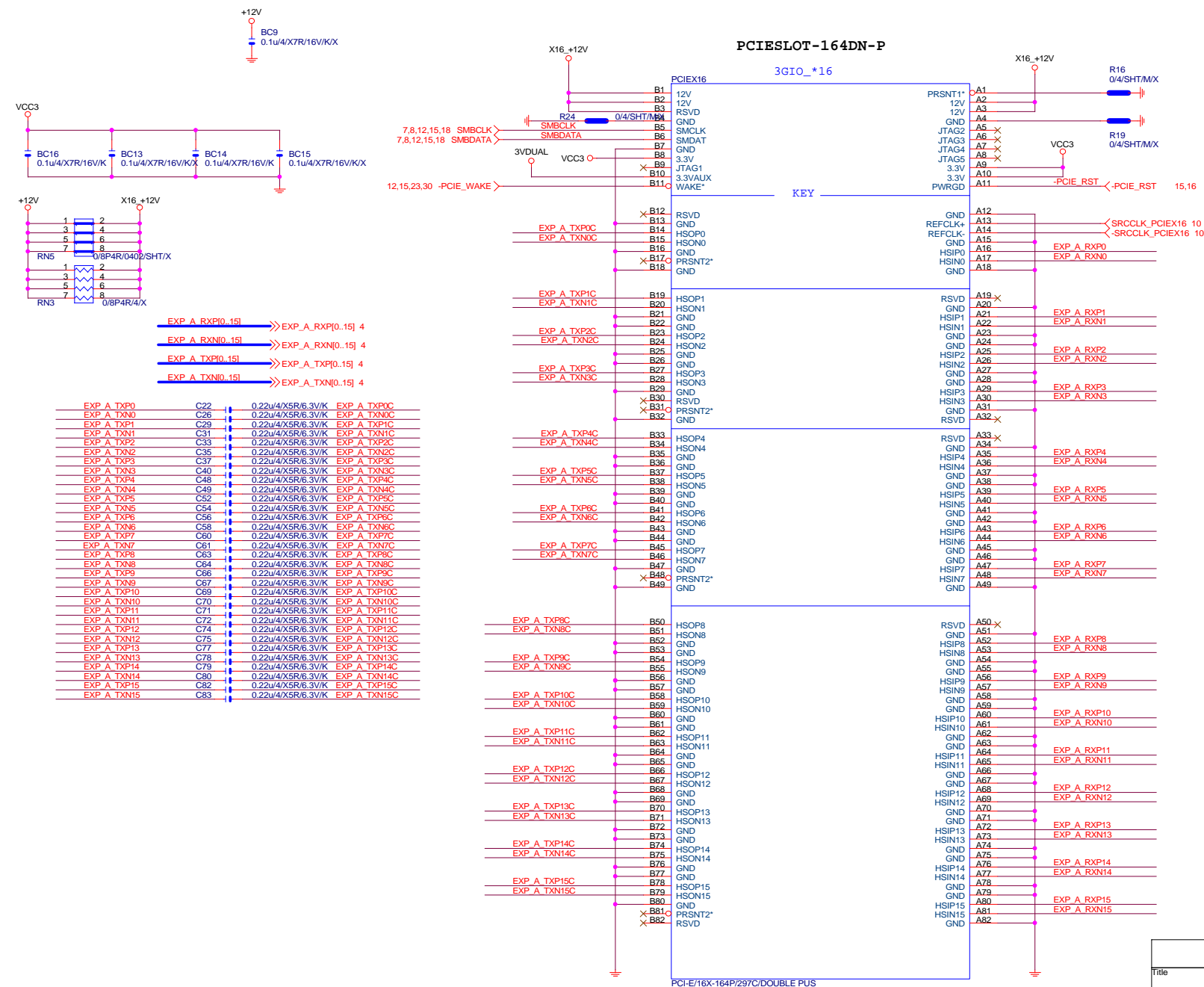
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Title			PCH HOST , SATA, PCI		
Size	Document Number	GA-H61MA-D3V			Rev
B					2.0
Date:	Monday, December 12, 2011	Sheet	11	of	32

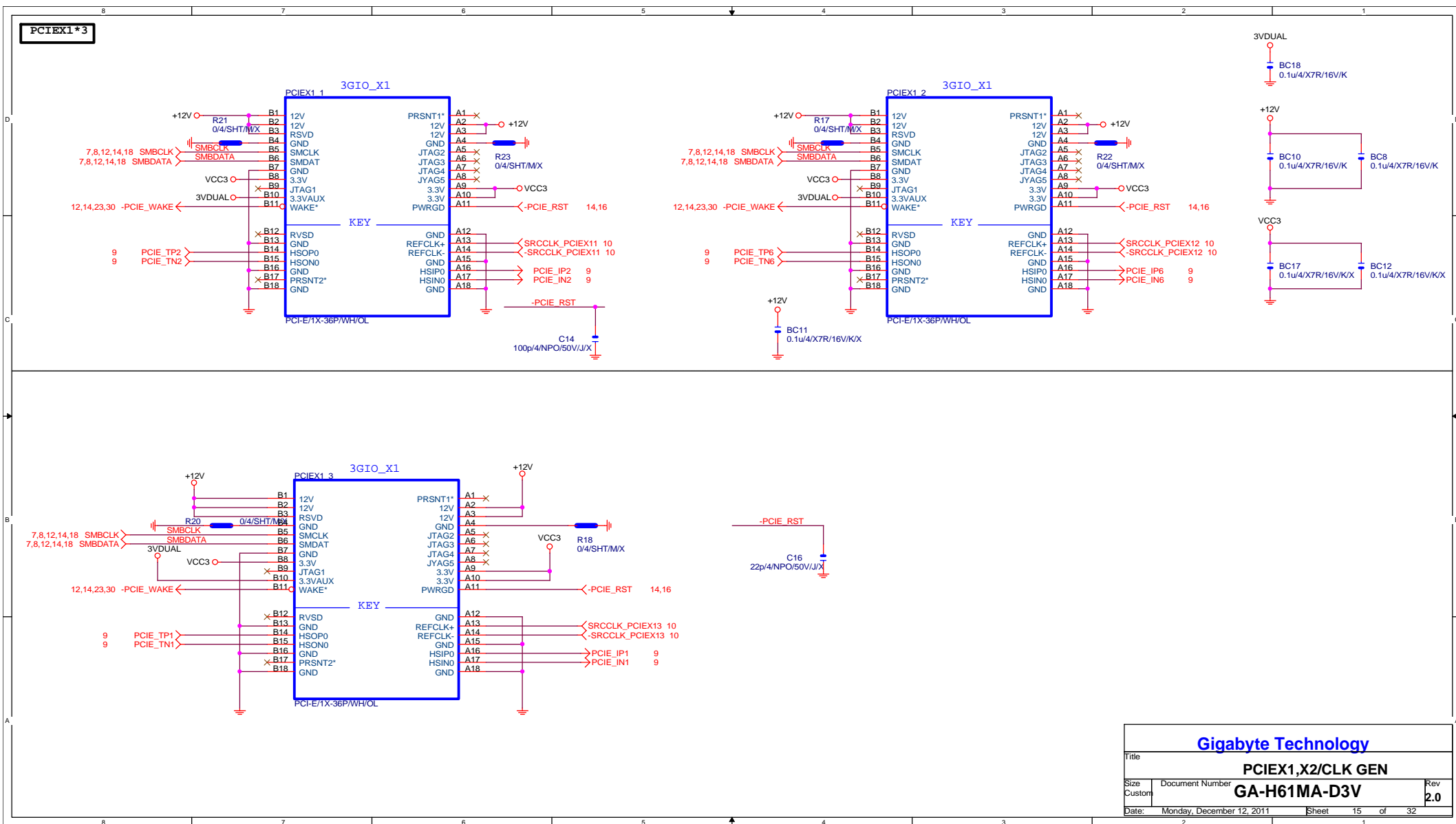




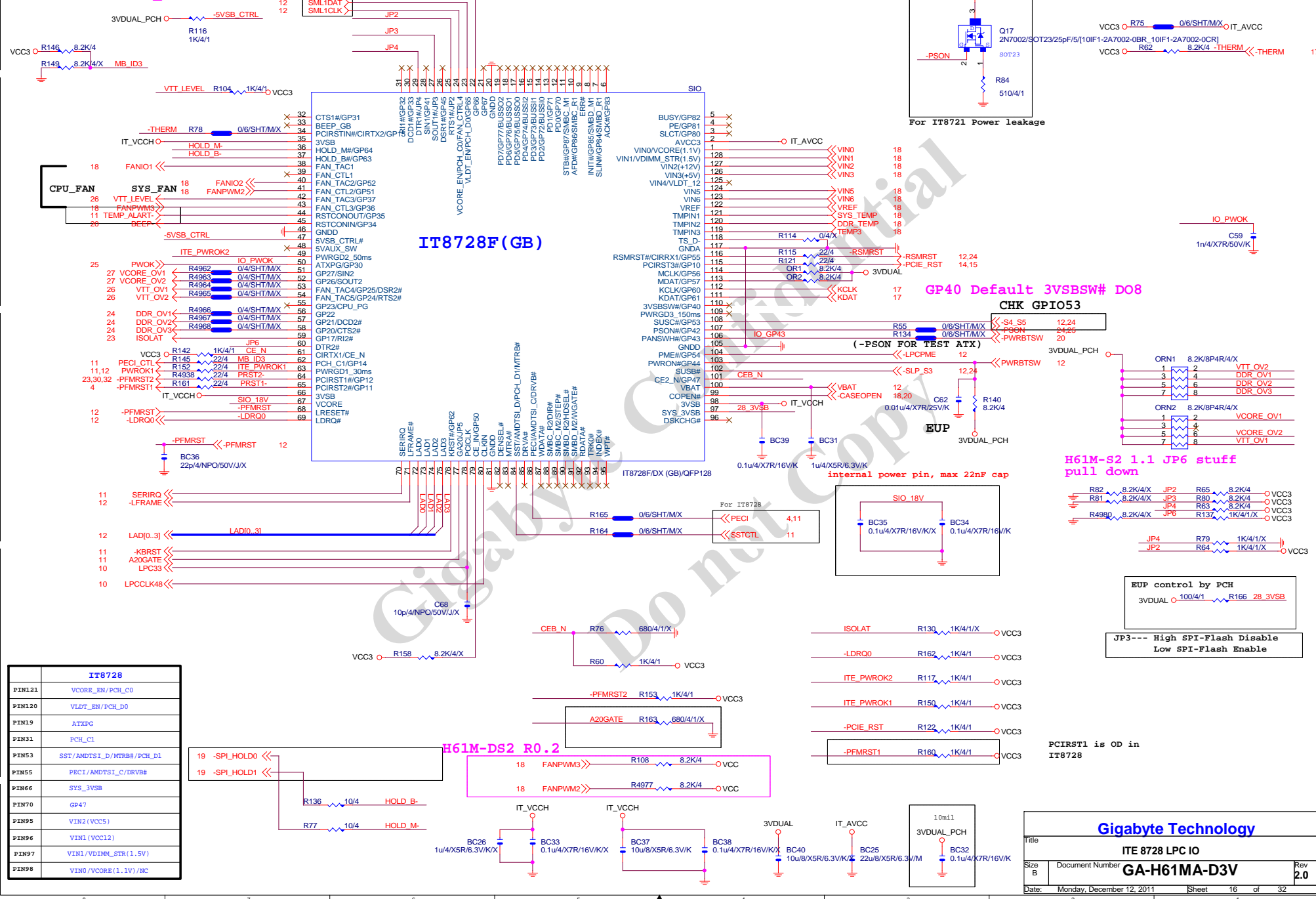
EC6D_8D10MM-RH



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Title		
PCI EXPRESS * 16		
Size	Document Number	Rev
Custom	GA-H61MA-D3V	2.0
Date:	Monday, December 12, 2011	Sheet 14 of 32



GP23 Default CPU_PG DOD8

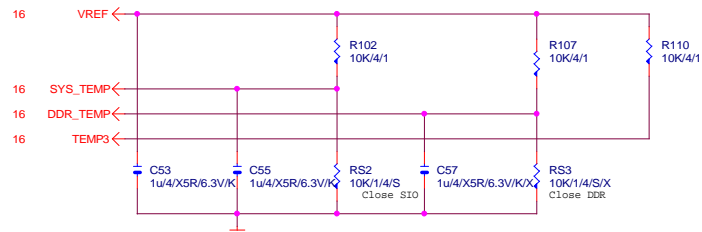


	IT8728
PIN121	VCORE_EN/PCH_C0
PIN120	VLDT_EN/PCH_D0
PIN119	ATXPG
PIN31	PCH_C1
PIN53	SST/AMDTSI_D/MTRB# /PCH_D1
PIN55	PECI/AMDTSI_C/DRVB#
PIN66	SYS_3VSB
PIN70	GP47
PIN95	VIN2(VOC5)
PIN96	VIN1(VOC12)
PIN97	VIN1/VDIMM_STR(1.5V)
PIN98	VIN0/VCORE(1.1V)/NC

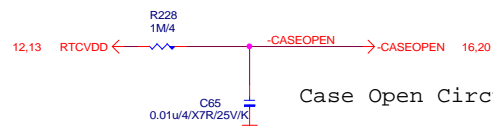
Gigabyte Technology

Title			
ITE 8728 LPC IO			
Size B	Document Number		Rev
	GA-H61MA-D3V		2
Date:	Monday, December 12, 2011	Sheet	16 of 32

TEMP H/W MONITOR



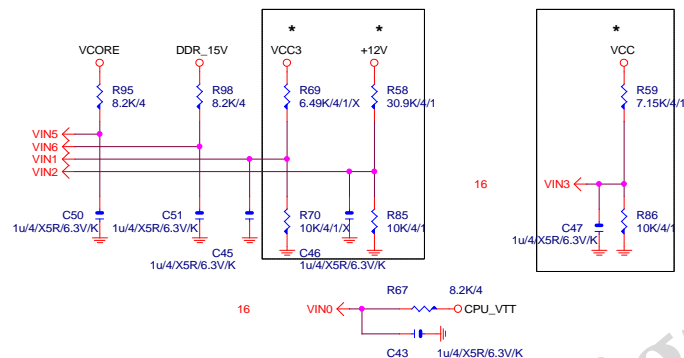
CASE OPEN



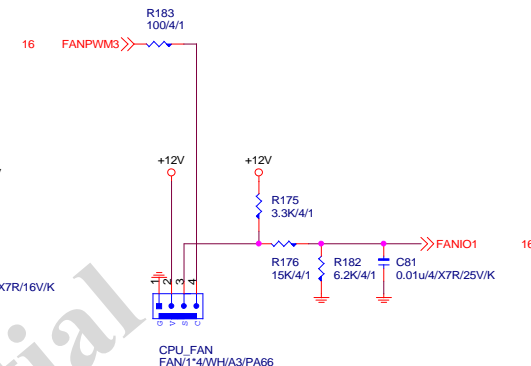
Case Open Circuits

VOLTAGE-- H/W MONITOR

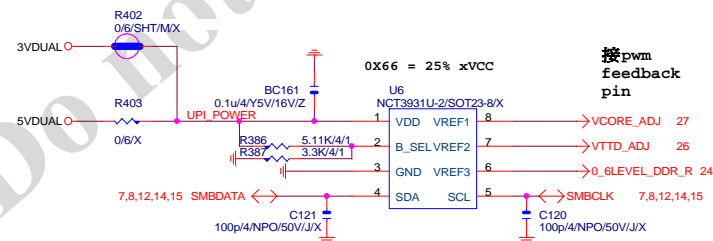
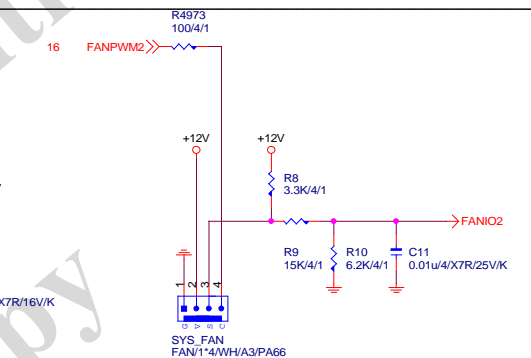
I (VAXG)



CPU SMART FAN

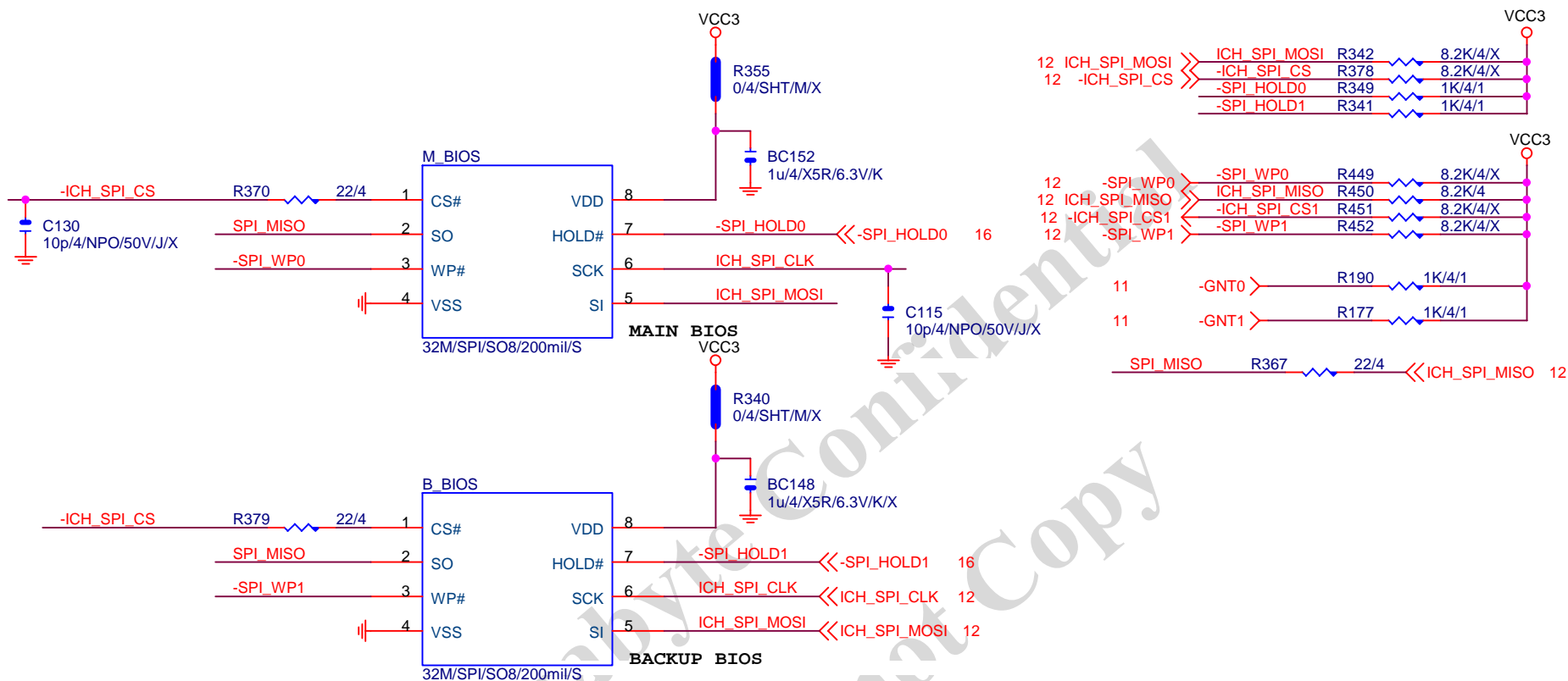


SYS SMART FAN



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Title			
HWM,FAN CTRL,OV			
Size			
Document Number			
GA-H61MA-D3V			
Rev			
2.0			
Date: Monday, December 12, 2011			
Sheet 18 of 32			

DUAL BIOS



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

1 means floating
0 means PD 1K

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Title

DUAL BIOS

Size
A

Document Number

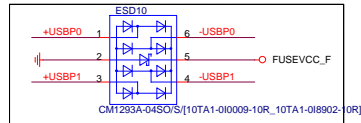
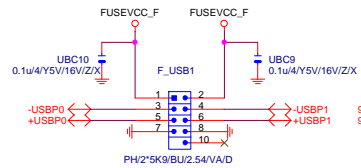
GA-H61MA-D3V

Rev
2.0

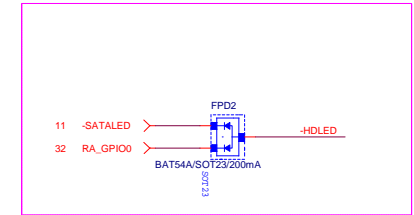
Date: Monday, December 12, 2011

Sheet 19 of 32

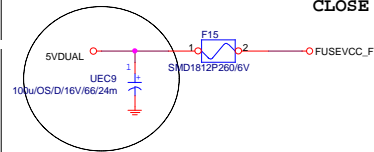
FRONT USB1



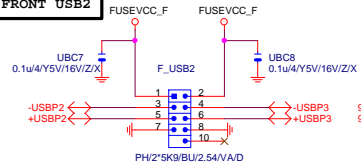
SATA LED



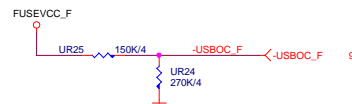
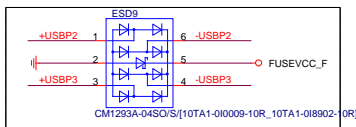
CLOSE F_USB1



FRONT USB2

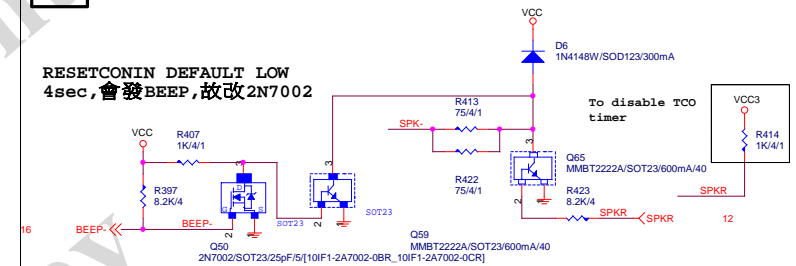


FRONT USB3



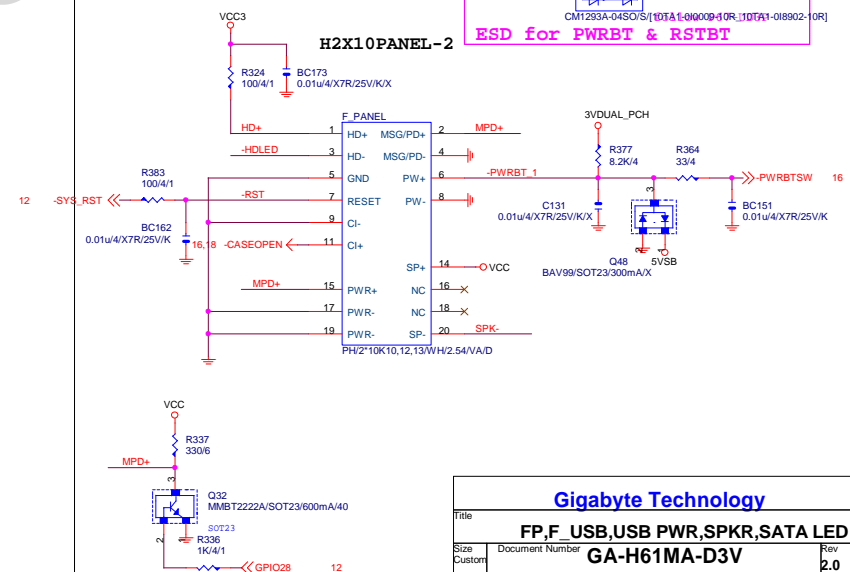
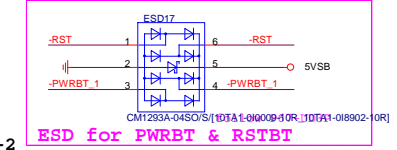
SPKR

RESETCONIN DEFAULT LOW
4sec, 會發BEEP, 故改2N7002



INTEL FRONT PANEL

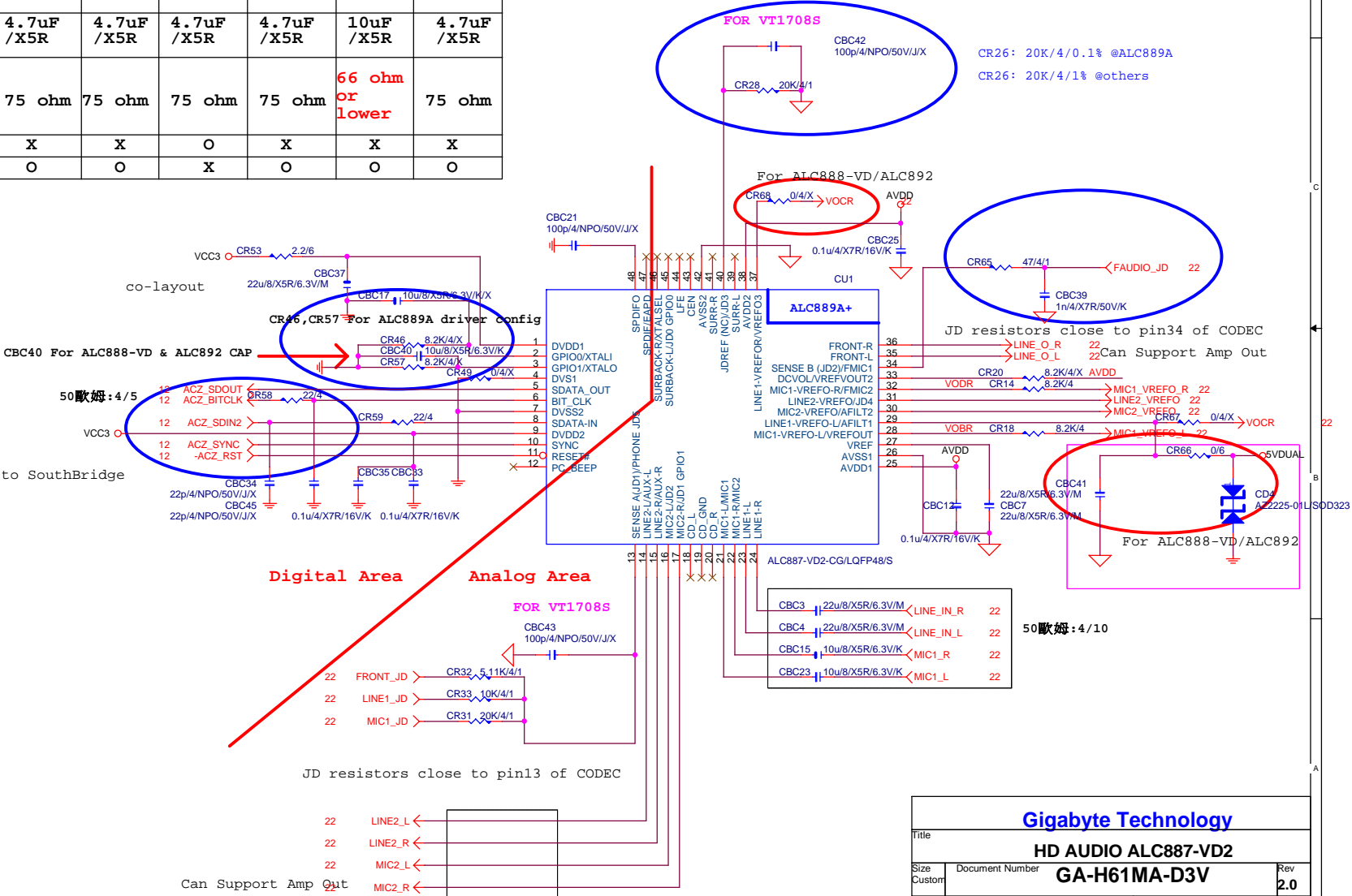
H2X10PANEL-2

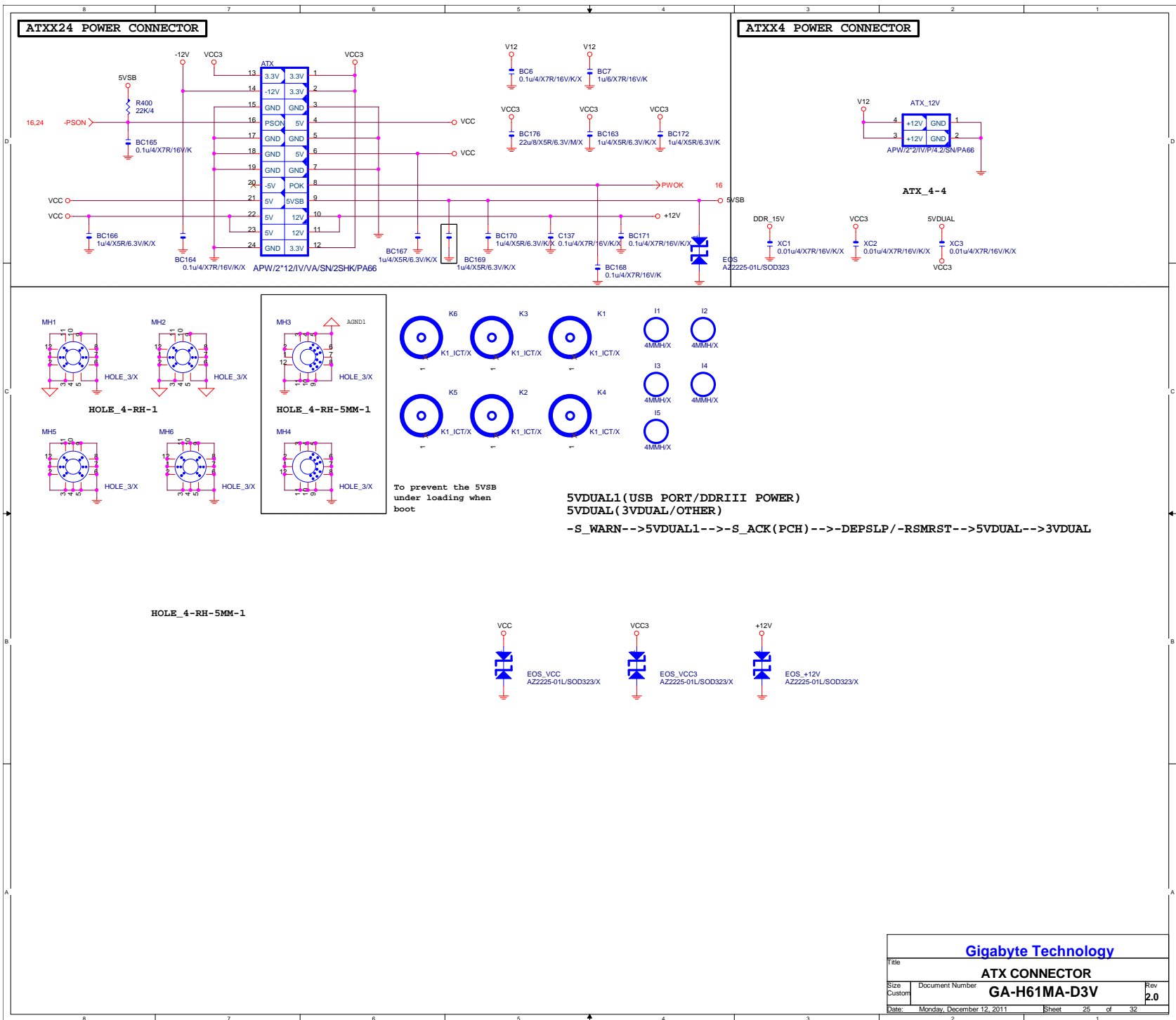


Gigabyte Technology		
Title	FP,F_USB,USB PWR,SPKR,SATA LED	
Size	Document Number	GA-H61MA-D3V
Custort		Rev 2.0
Date:	Monday, December 12, 2011	Sheet 20 of 32

AZALIA CODEC **ALC883/ALC888-A/ALC888B/ALC888-VD/ALC892R/ALC889/ALC889A Colay**

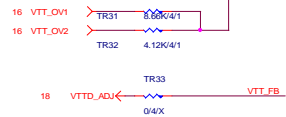
	ALC883	ALC888-VA	ALC888B	ALC888-VD	ALC892R	ALC889	ALC889A
CR46	X	X	X	X	X	X	O
CR57	X	X	X	X	X	X	O
CR49	O	O	X	X	X	O	O
CBC40	X	X	X	10uF/X5R	10uF/X5R	X	X
CR20	O	X	X	X	X	X	X
CR26	20K/1%	20K/1%	20K/1%	20K/1%	20K/1%	20K/1%	20K/0.1%
CR47	X	X	O	X	O	O	X
CR48	O	O	X	O	X	X	O
CBC2/CBC4/CBC5/ CBC6/CBC10/CBC11	4.7uF /X5R	4.7uF /X5R	4.7uF /X5R	4.7uF /X5R	4.7uF /X5R	10uF /X5R	4.7uF /X5R
CR1/CR3/CR10/CR12/ CR15/CR19/CR56/CR27/ CR55/CR37/CR28/CR34/ CR6/CR9/CR51/CR61	75 ohm	75 ohm	75 ohm	75 ohm	75 ohm	66 ohm or lower	75 ohm
CR66/CR68/CD3/CBC41	X	X	X	O	X	X	X
CR67/CD1/CD2/CQ3/CQ5	O	O	O	X	O	O	O



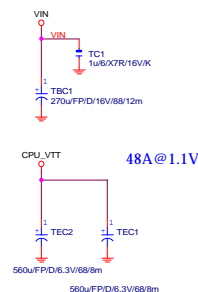
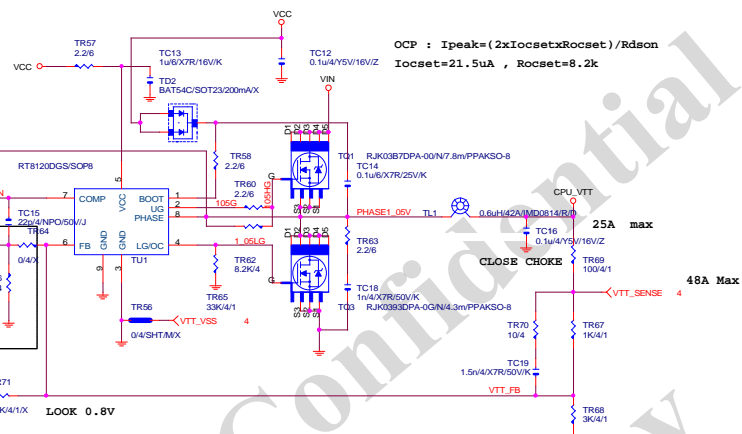


CPU_VTT

VTT OV option



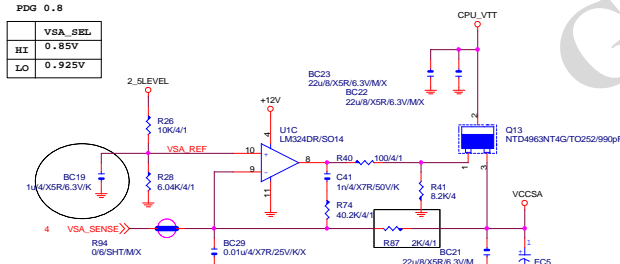
VTT_EN	
HI	ENABLE
LO	DISABLE



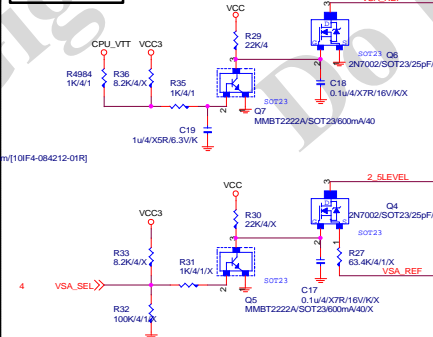
VCCSA

PDG 0.8

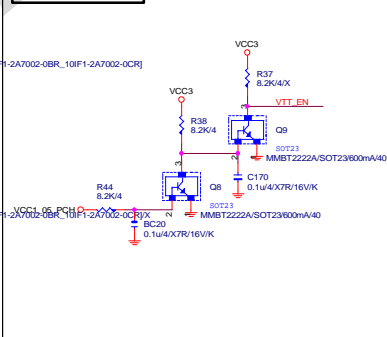
VSA_SEL	
HI	0.85V
LO	0.925V



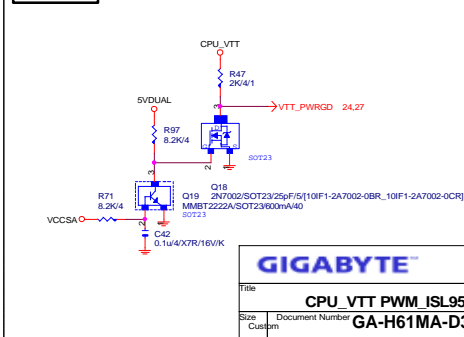
VCCSA PWR SEQ



CPU_VTT PWR SEQ



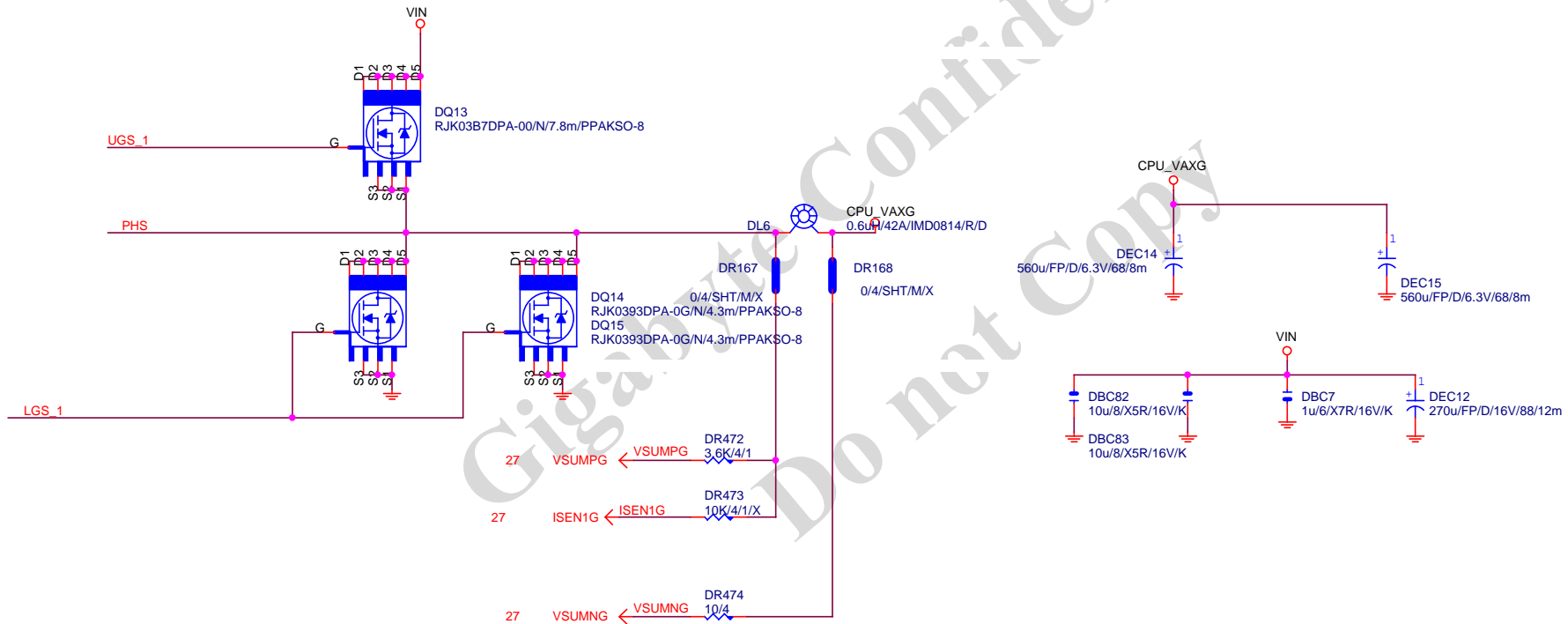
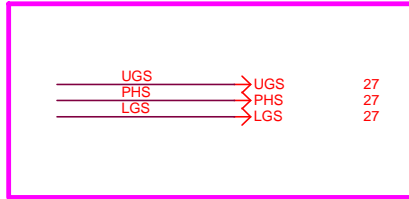
VTT_PWRGD



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File	CPU_VTT PWM_ISL95870CRZ
Size	Document Number
Custom	GA-H61MA-D3V
Rev	2.0
Date	Monday, December 12, 2011
Sheet	26 of 32

VAXG

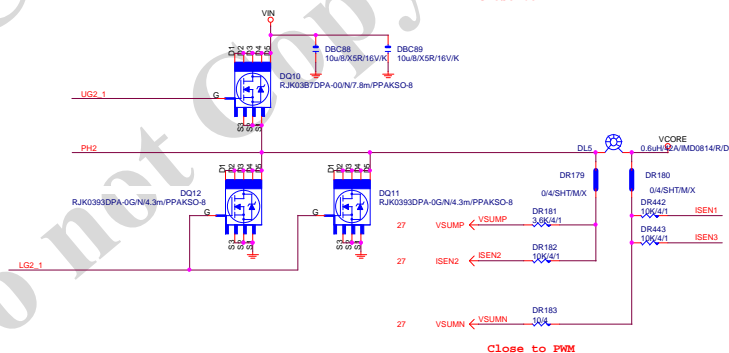
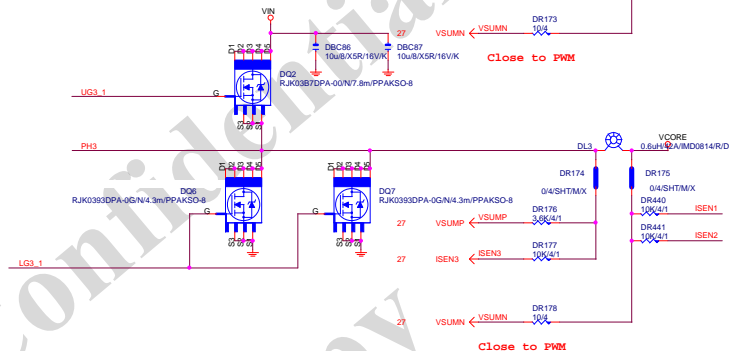
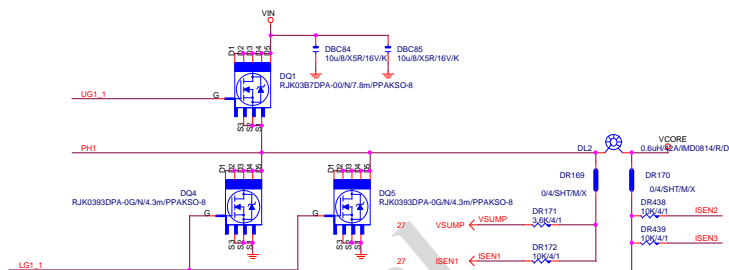
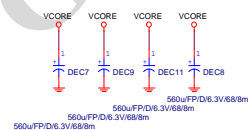
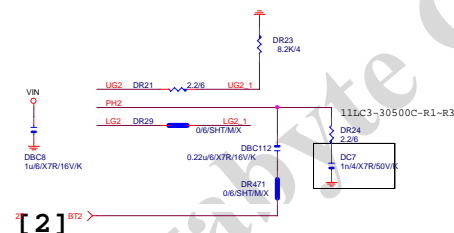
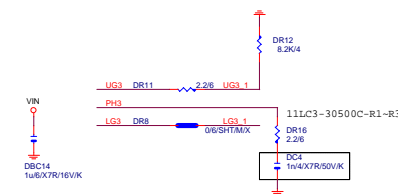
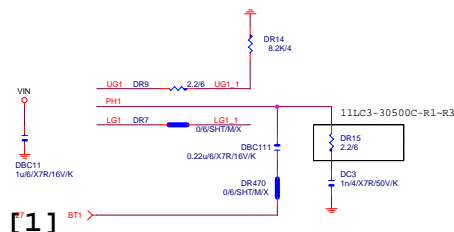
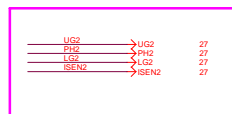
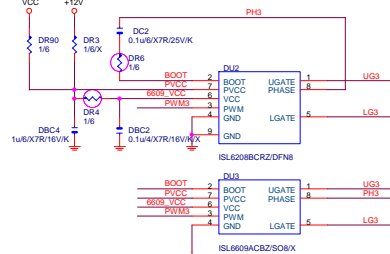


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Title		
CPU CORE VR-2		
Size	Document Number	Rev
Custom	GA-H61MA-D3V	2.0
Date:	Monday, December 12, 2011	Sheet 28 of 32



Pop 13L6625CB for P51
[13L6625CB2/598]



Gigabyte Technology		
CPU CORE VR-3		
Size	Document Number	GA-H61MA-D3V
Date	Monday, December 12, 2011	Sheet 29 of 32

