

Model Name: GA-H61M-S2V-B3 *Revision 1.02*

SHEET

TITLE

SHEET

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*1 SLOT
16	PCI EXPRESS*1x2 SLOT / CLOCK GEN.
17	ITE 8728 LPC IO
18	COMA,KB_MS,R_USB,-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/USB_LAN
25	VGA/DVI
26	DISCRETE POWER
27	ATX,-S_WARN,-S_ACK,5VDUAL1

28	ISL95870_CPU_VTT
29	VCORE ISL6364_1
30	VCORE ISL6364_2
31	VCORE ISL6364_3
32	TPM
33	LPT

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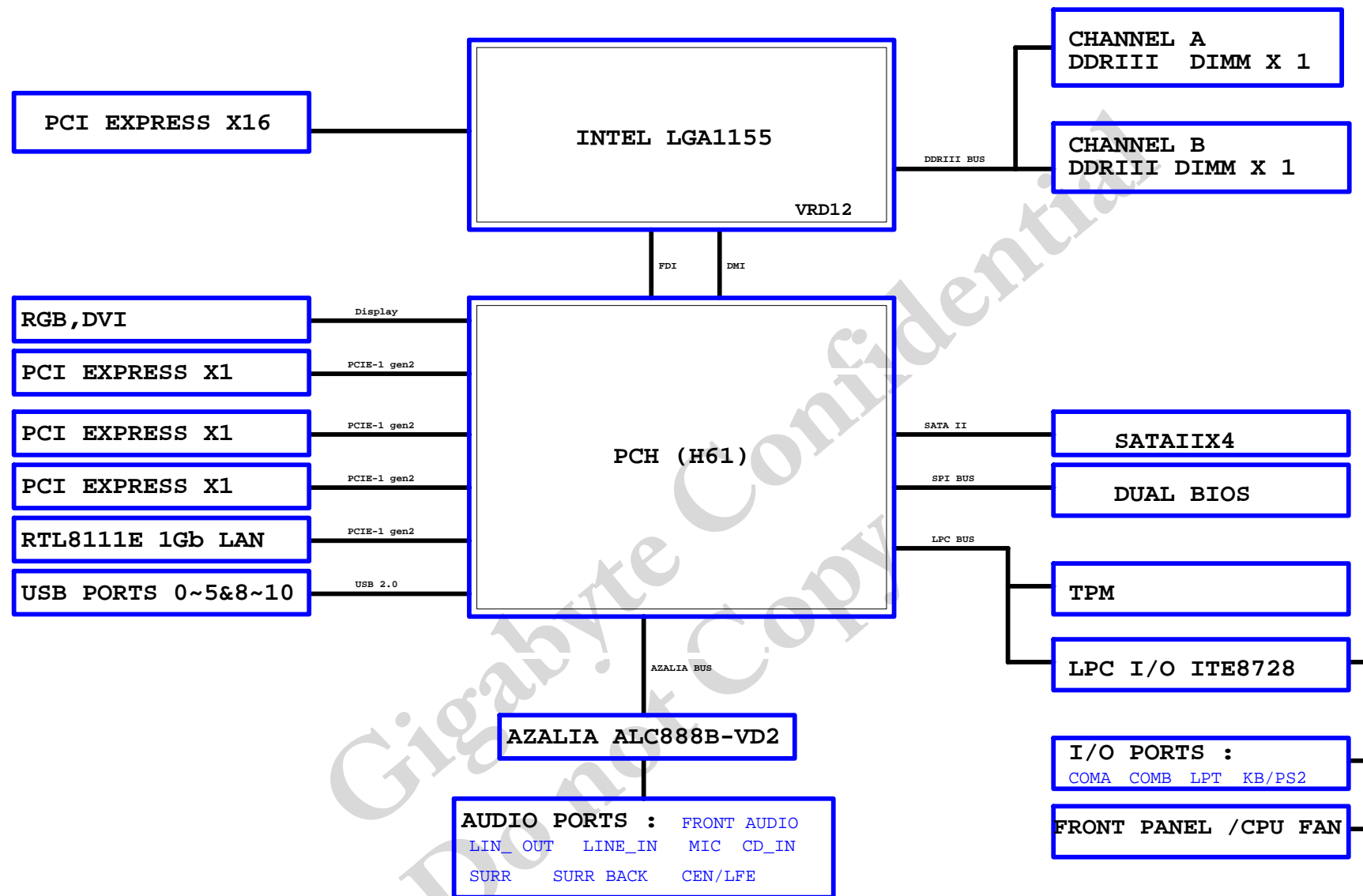
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Size Custom	Document Number GA-H61M-S2V-B3	Rev. 1.02
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Revision 1.02

2011/03/15

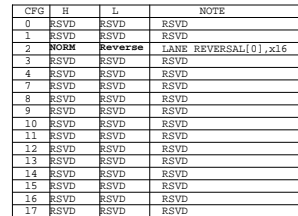
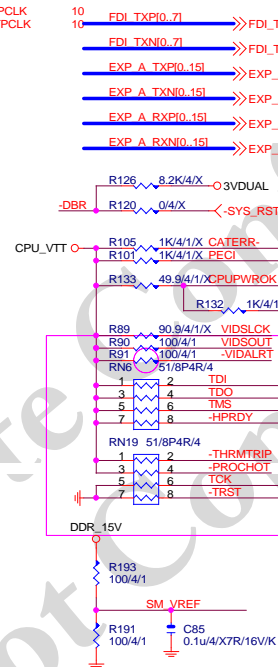
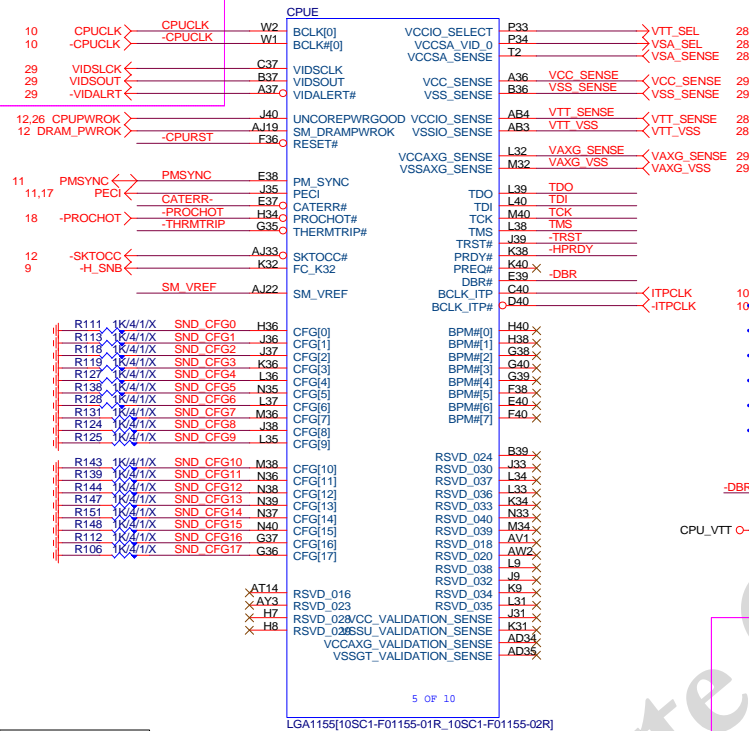
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BLOCK DIAGRAM



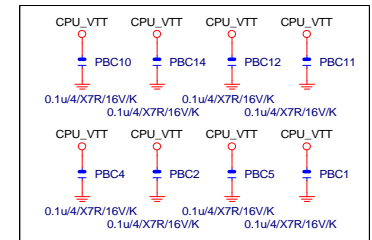
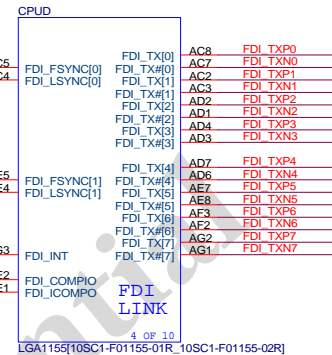
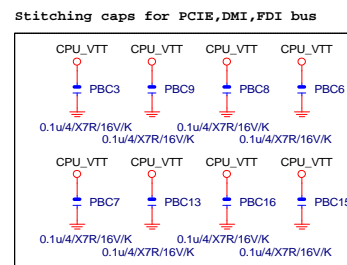
Gigabyte Technology			
BLOCK DIAGRAM			
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R88 R93 R92 0 change to
short
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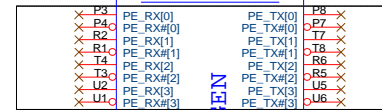
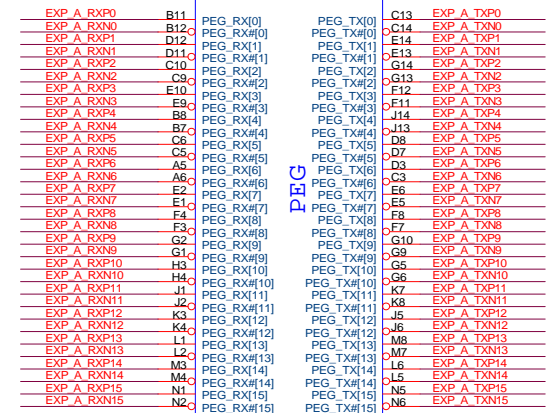


CFG6	CFG5	PCIE CONFIG
1	1	1x16 , Default
1	0	2x8
0	1	RSVD
0	0	X8,X4,X4

CFG 0-17 all internal PULL-UP

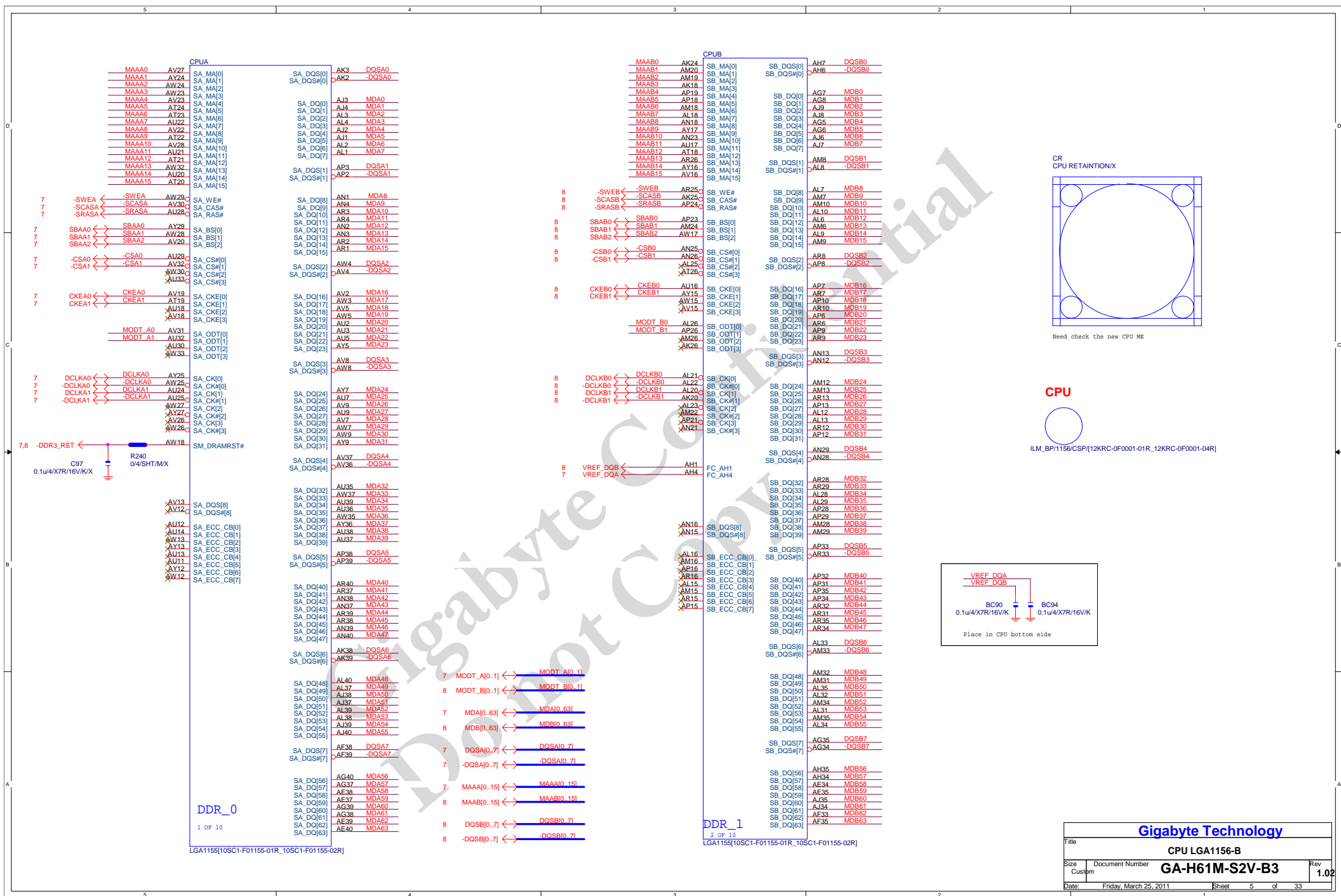


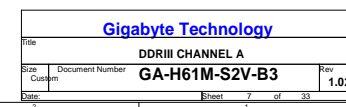
Stitching caps for PCIE,DMI,FDI bus

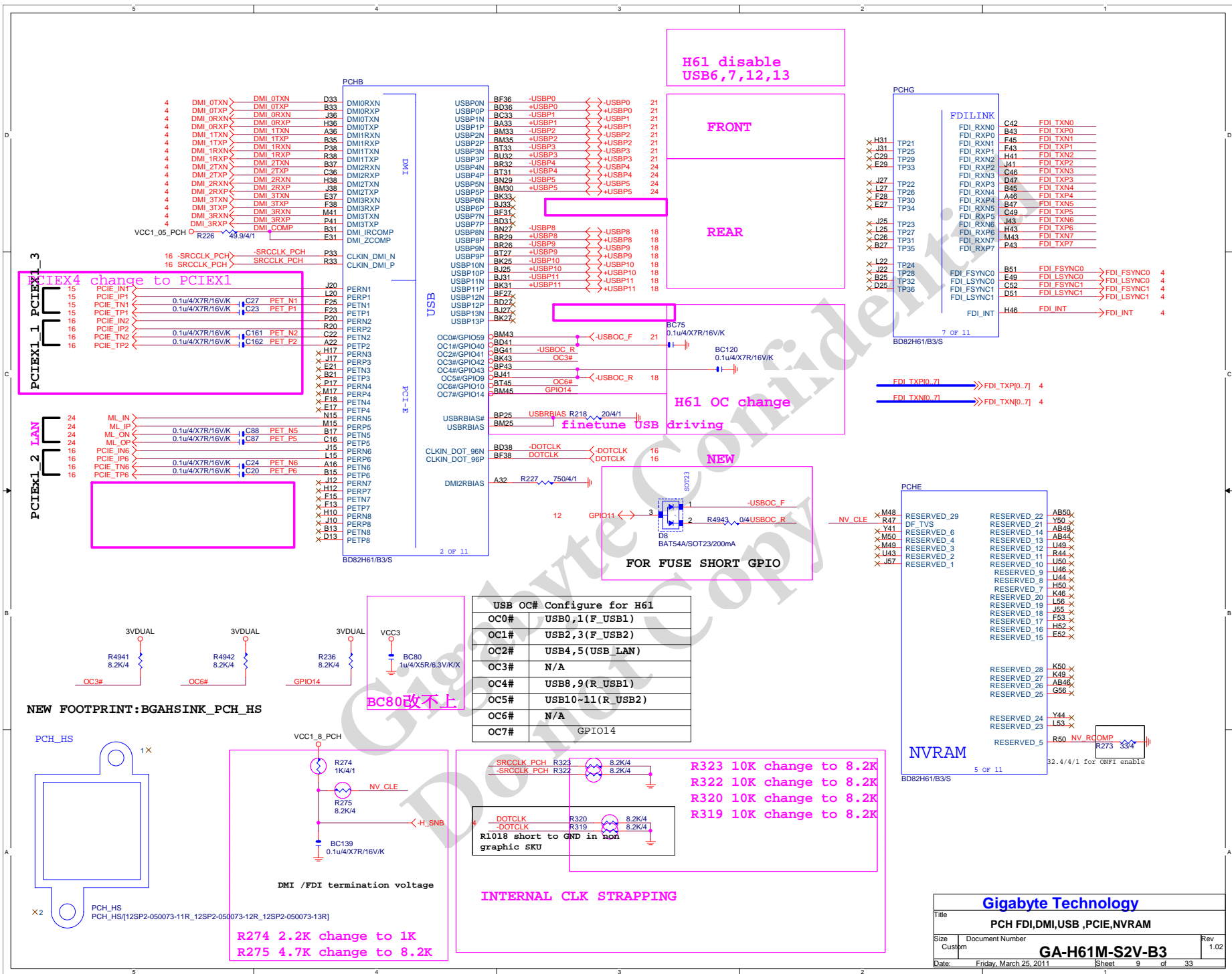


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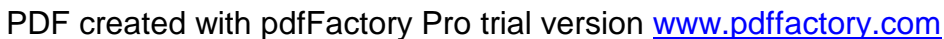
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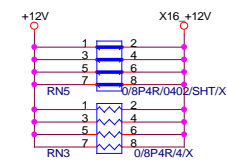
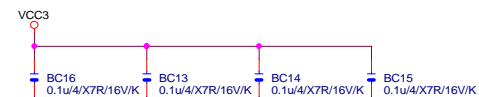
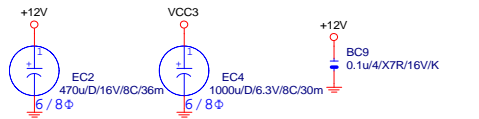




H1X7-SATA2-HS-MASK

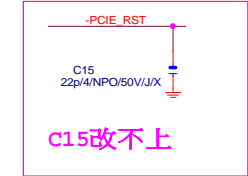
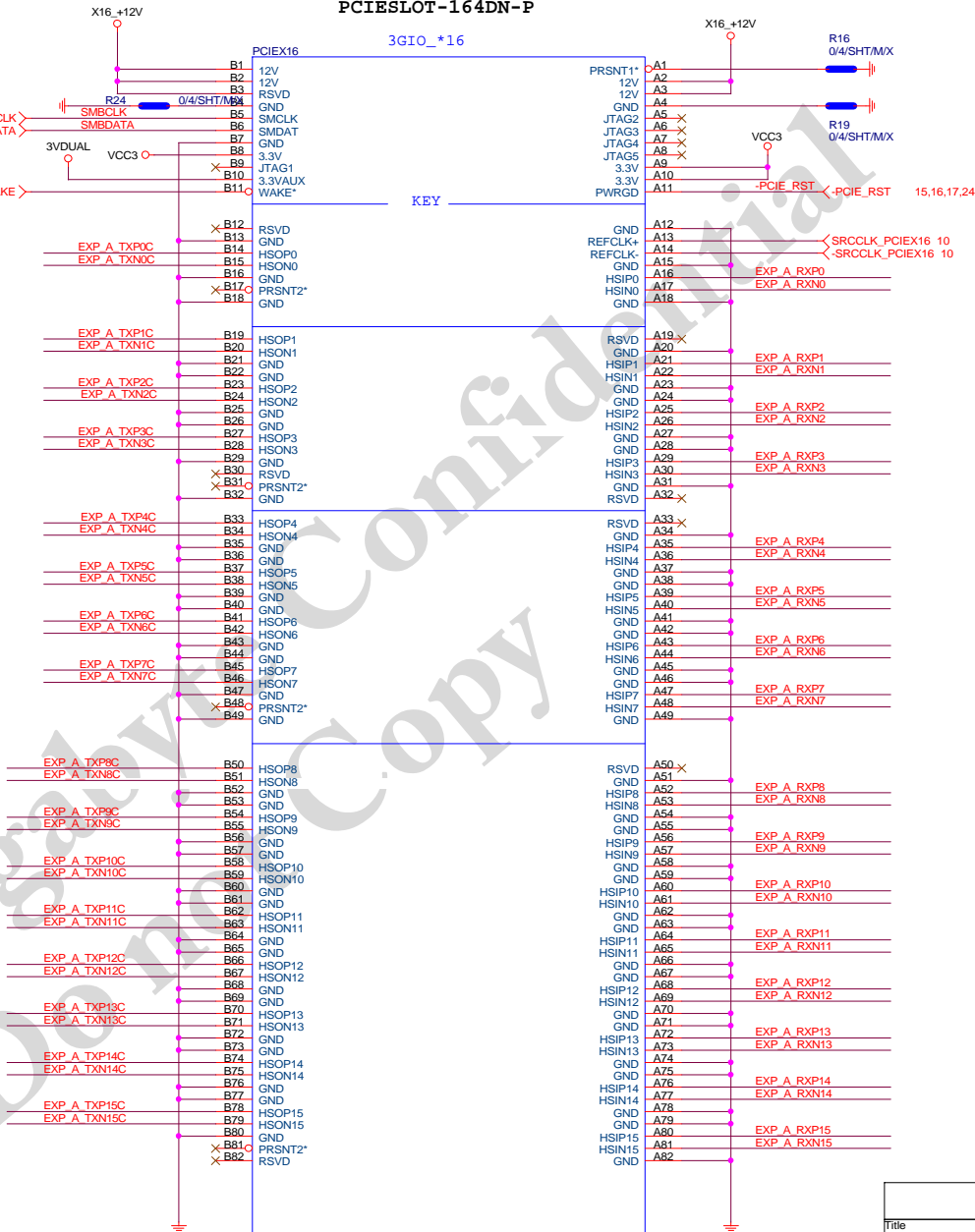


EC6D_8D10MM-RH



EXP_A_RXP0_15] >>> EXP_A_RXP[0..15] 4
 EXP_A_RXN0_15] >>> EXP_A_RXN[0..15] 4
 EXP_A_TXP0_15] >>> EXP_A_TXP[0..15] 4
 EXP_A_TXN0_15] >>> EXP_A_TXN[0..15] 4

EXP_A_TXP0	C22	0.22u/4/X5R/6.3V/K	EXP_A_TXP0C
EXP_A_TXN0	C26	0.22u/4/X5R/6.3V/K	EXP_A_TXN0C
EXP_A_TXP1	C29	0.22u/4/X5R/6.3V/K	EXP_A_TXP1C
EXP_A_TXN1	C31	0.22u/4/X5R/6.3V/K	EXP_A_TXN1C
EXP_A_TXP2	C33	0.22u/4/X5R/6.3V/K	EXP_A_TXP2C
EXP_A_TXN2	C35	0.22u/4/X5R/6.3V/K	EXP_A_TXN2C
EXP_A_TXP3	C37	0.22u/4/X5R/6.3V/K	EXP_A_TXP3C
EXP_A_TXN3	C40	0.22u/4/X5R/6.3V/K	EXP_A_TXN3C
EXP_A_TXP4	C48	0.22u/4/X5R/6.3V/K	EXP_A_TXP4C
EXP_A_TXN4	C49	0.22u/4/X5R/6.3V/K	EXP_A_TXN4C
EXP_A_TXP5	C52	0.22u/4/X5R/6.3V/K	EXP_A_TXP5C
EXP_A_TXN5	C54	0.22u/4/X5R/6.3V/K	EXP_A_TXN5C
EXP_A_TXP6	C56	0.22u/4/X5R/6.3V/K	EXP_A_TXP6C
EXP_A_TXN6	C58	0.22u/4/X5R/6.3V/K	EXP_A_TXN6C
EXP_A_TXP7	C60	0.22u/4/X5R/6.3V/K	EXP_A_TXP7C
EXP_A_TXN7	C61	0.22u/4/X5R/6.3V/K	EXP_A_TXN7C
EXP_A_TXP8	C63	0.22u/4/X5R/6.3V/K	EXP_A_TXP8C
EXP_A_TXN8	C64	0.22u/4/X5R/6.3V/K	EXP_A_TXN8C
EXP_A_TXP9	C66	0.22u/4/X5R/6.3V/K	EXP_A_TXP9C
EXP_A_TXN9	C67	0.22u/4/X5R/6.3V/K	EXP_A_TXN9C
EXP_A_TXP10	C69	0.22u/4/X5R/6.3V/K	EXP_A_TXP10C
EXP_A_TXN10	C70	0.22u/4/X5R/6.3V/K	EXP_A_TXN10C
EXP_A_TXP11	C71	0.22u/4/X5R/6.3V/K	EXP_A_TXP11C
EXP_A_TXN11	C72	0.22u/4/X5R/6.3V/K	EXP_A_TXN11C
EXP_A_TXP12	C74	0.22u/4/X5R/6.3V/K	EXP_A_TXP12C
EXP_A_TXN12	C75	0.22u/4/X5R/6.3V/K	EXP_A_TXN12C
EXP_A_TXP13	C77	0.22u/4/X5R/6.3V/K	EXP_A_TXP13C
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EXP_A_TXN14	C80	0.22u/4/X5R/6.3V/K	EXP_A_TXN14C
EXP_A_TXP15	C82	0.22u/4/X5R/6.3V/K	EXP_A_TXP15C
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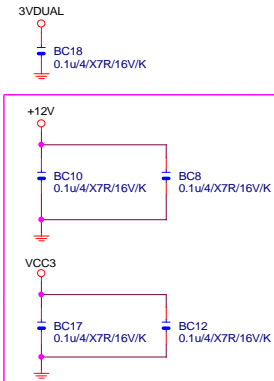


c15改不上

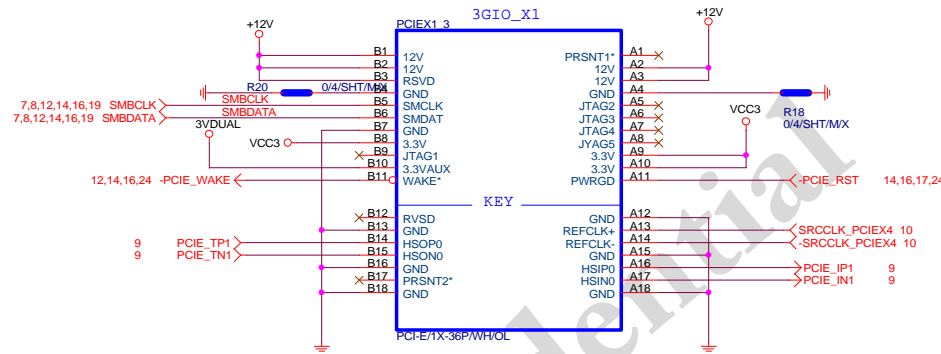
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REMOVE RN

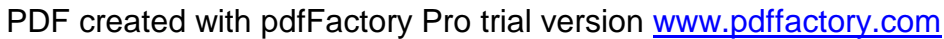


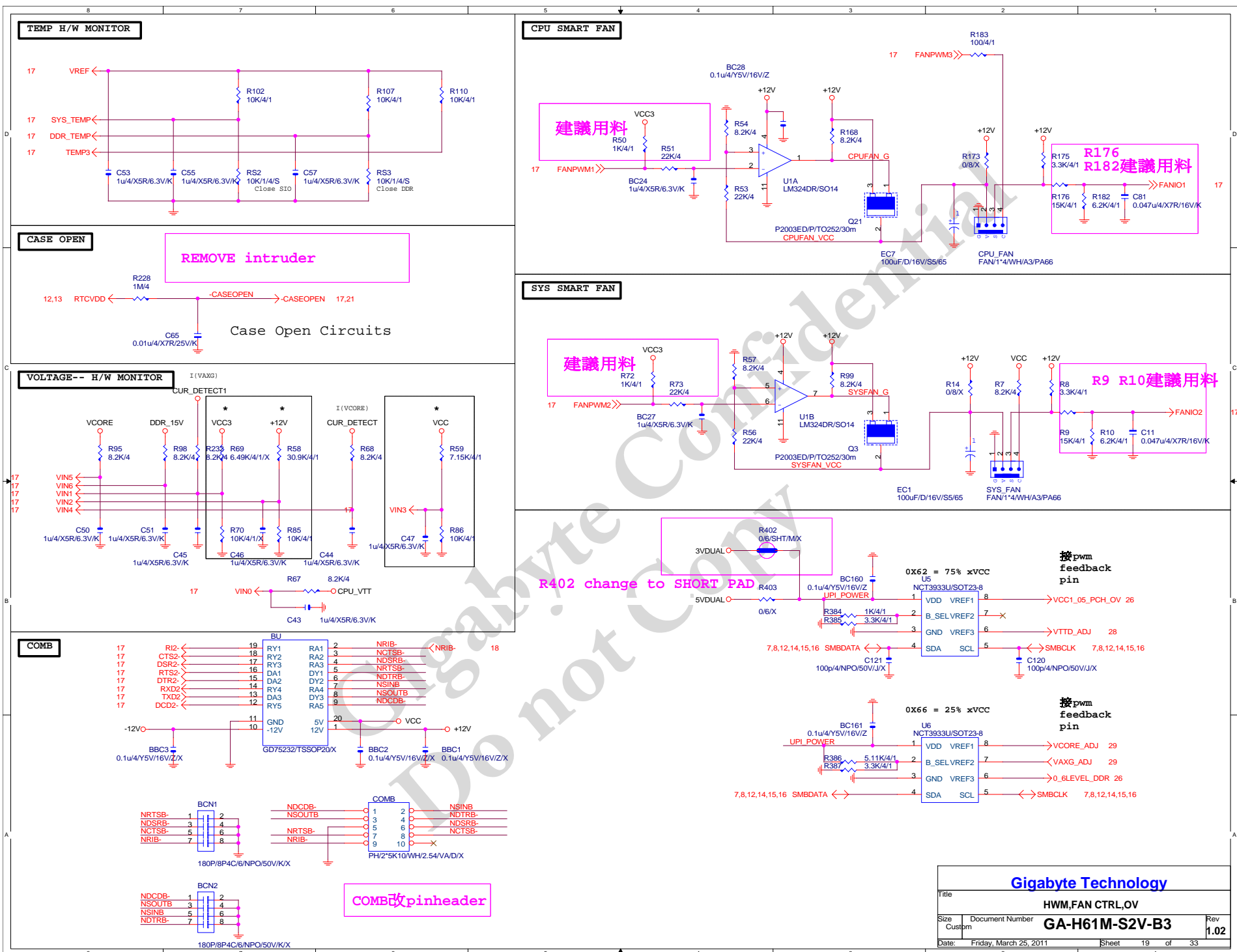
BC8 BC12改不上



PCIEX4 change to PCIEX1

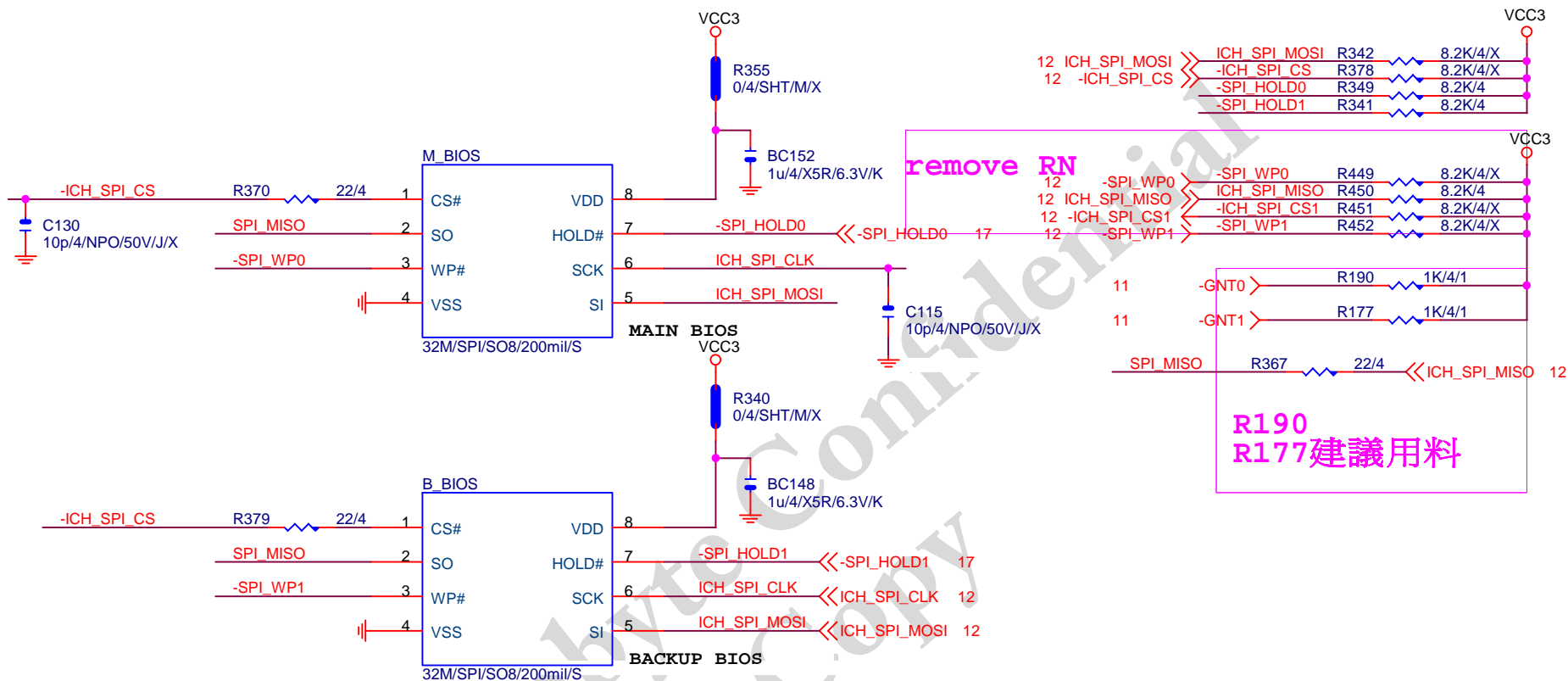
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PCI EXPRESS X 4 PORT			
Size Custom	Document Number	GA-H61M-S2V-B3	Rev 1.02
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DUAL BIOS

R349 R341 改上件 for ITE 8728 DX

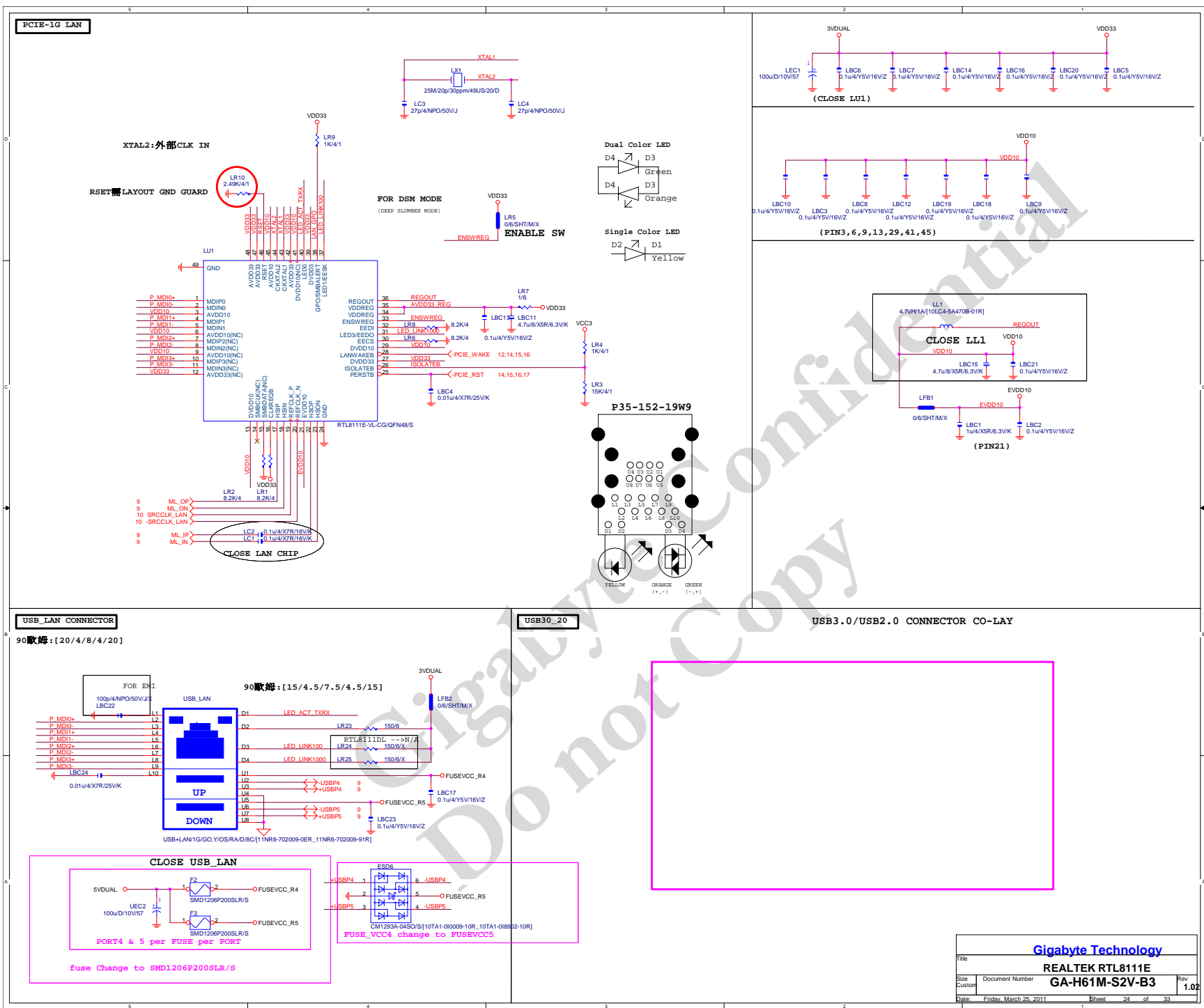


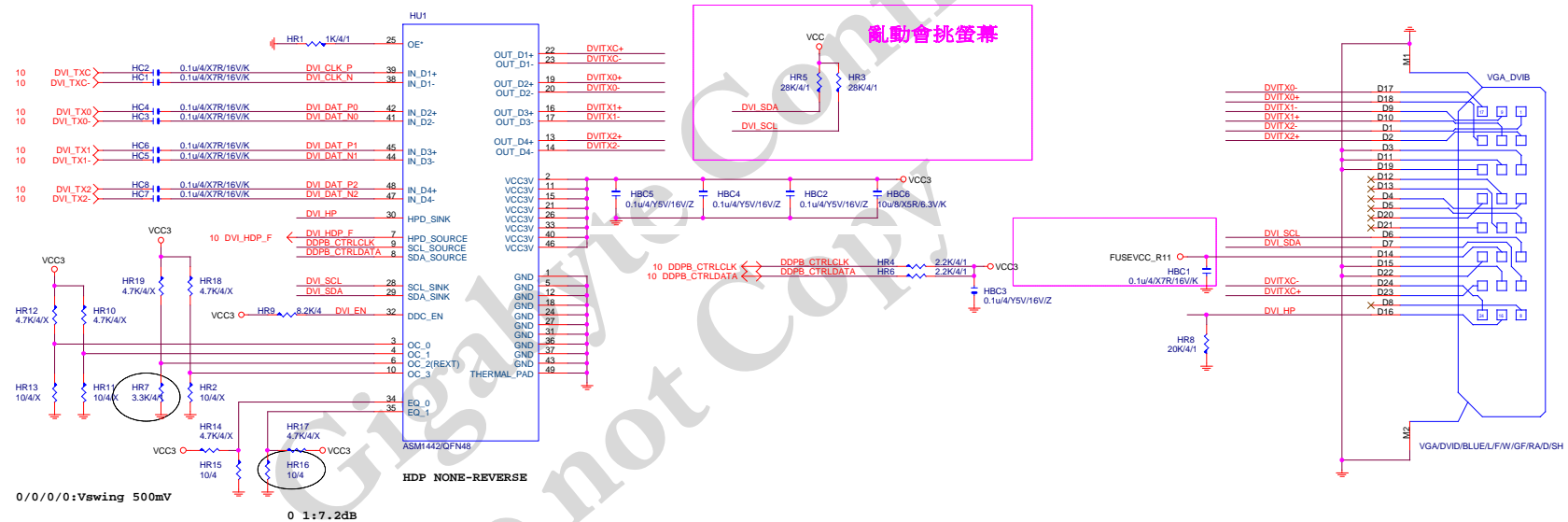
BOOT DEVICE	GNT1	GNT0
LPC	0	0
PCI	0	1
SPI	1	1

1 means floating
0 means PD 1K

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DUAL BIOS		
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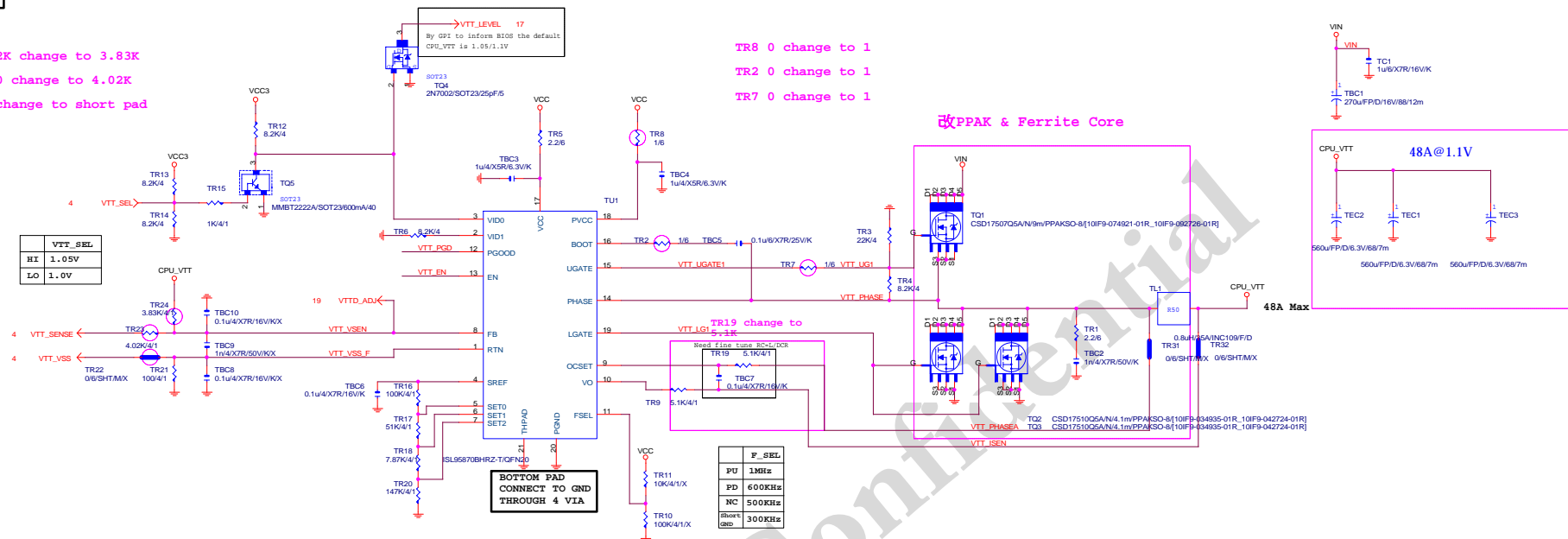
Gigabyte Technology			
HDMI / DVI			
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CPU_VTT

TR23 2K change to 3.83K
TR23 0 change to 4.02K
TR22 change to short pad

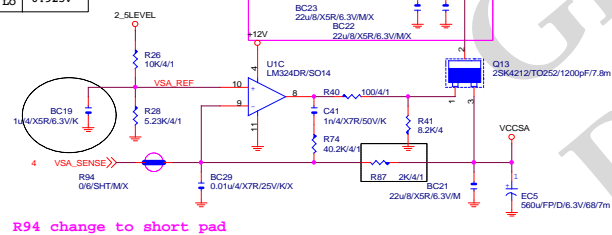
TR8 0 change to 1
TR2 0 change to 1
TR7 0 change to 1

VTT_SEL	
HI	1.05V
LO	1.0V

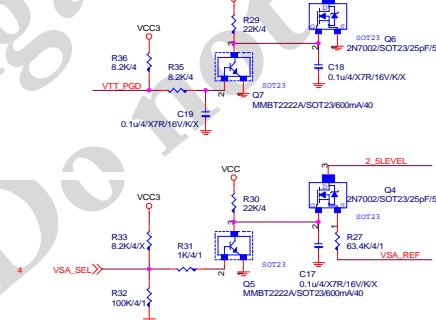


VCCSA

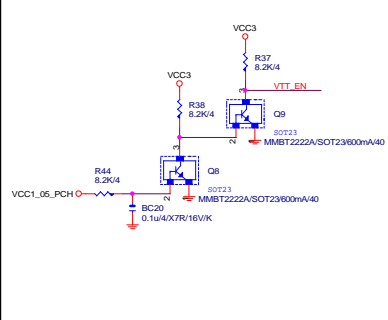
VSA_SEL	
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LO	0.925V



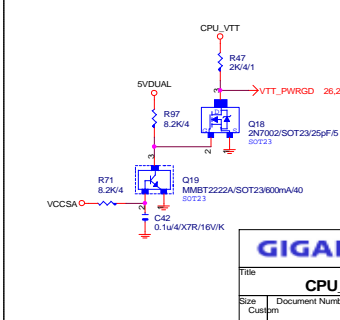
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CPU_VTT PWR SEQ



VTT_PWRGD

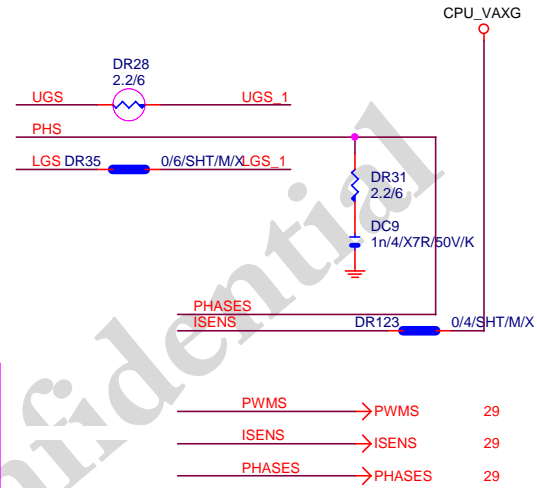
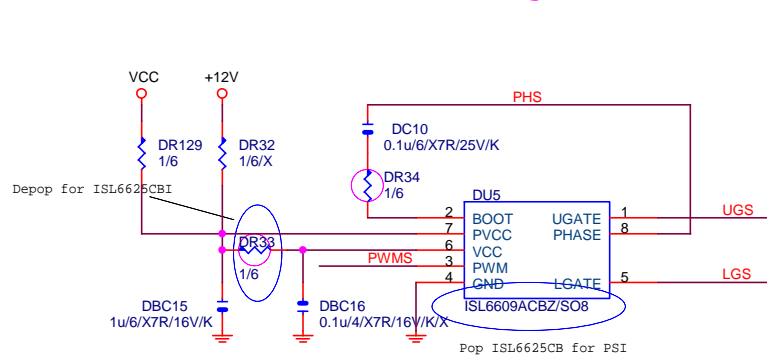


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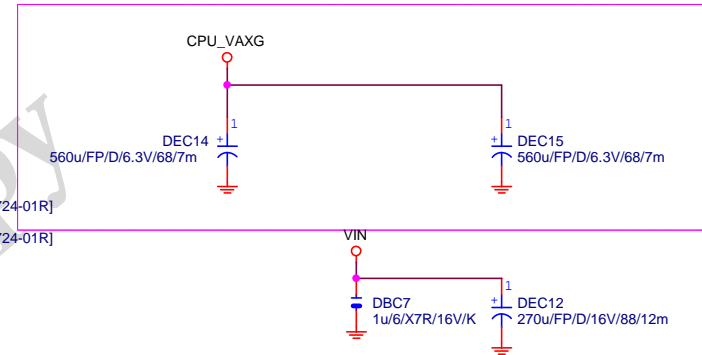
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VAXG

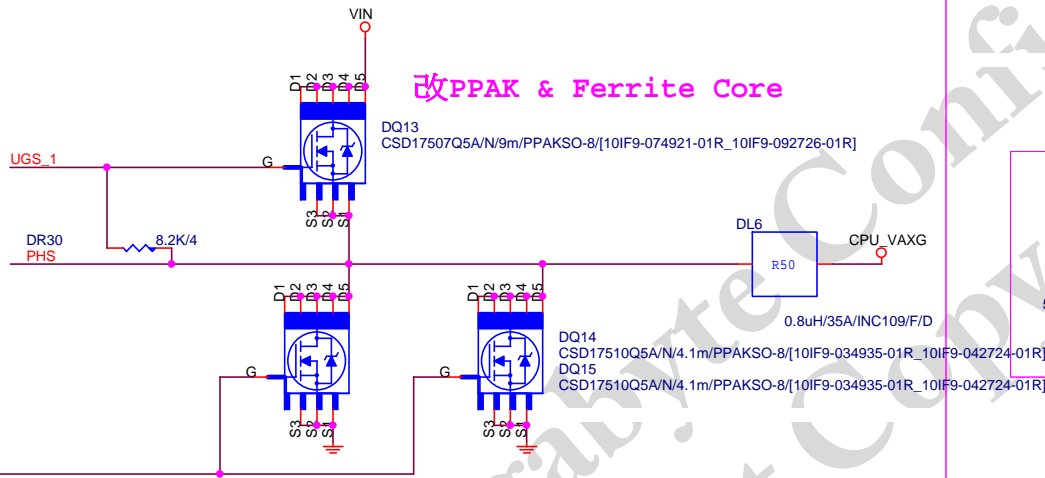
DR33 0 change to 1
DR34 0 change to 1
DR28 0 change to 2.2



PWMS → PWMS 29
ISENS → ISENS 29
PHASES → PHASES 29

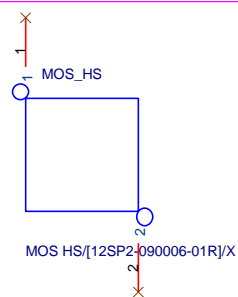


改PPAK & Ferrite Core



MOS HEATSINK

改不上



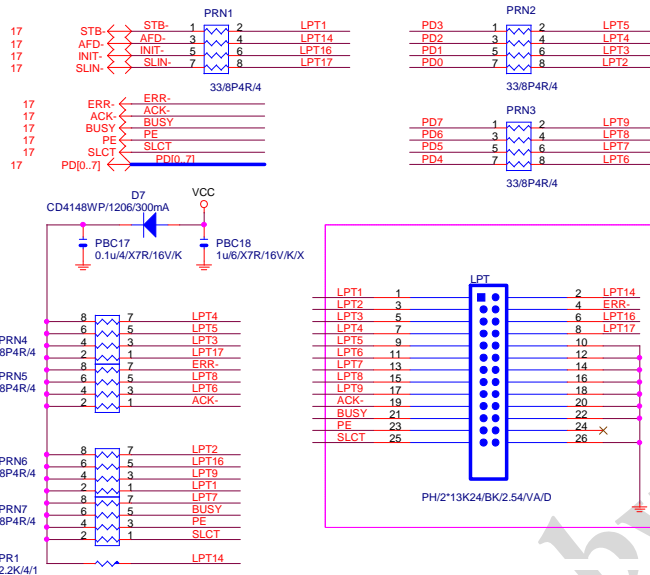
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TPM I/F-SLB 9635 TT 1.2			
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LPT PORT



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