

GA-M61VME-S2

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03	BLOCK DIAGRAM
04	PROCESSOR HT INTERFACE
05	PROCESSOR DDR2 INTERFACE
06	PROCESSOR CONTROL & DEBUG
07	PROCESSOR Power & Gnd
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09	DIMM TERMINATION
10	DDRII POWER
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12	MCP61-PCIE
13	MCP61-DAC, RGMII
14	MCP61-PCI
15	MCP61-SATA, IDE
16	MCP61-USB, HD-Audio, GPIO
17	MCP61-Power, Gnd
18	PCI EXPRESS x16, x1 SLOT
19	PCI 1,2,SLOT
20	ITE 8716GB/CX
21	Realtek 8201 CL
22	H/W MONITOR & FAN CONTROL
23	IDE/FDD/COM/LPT
24	F_USB/ R_USB
25	ALC883 HD-AUDIO

[illegible]

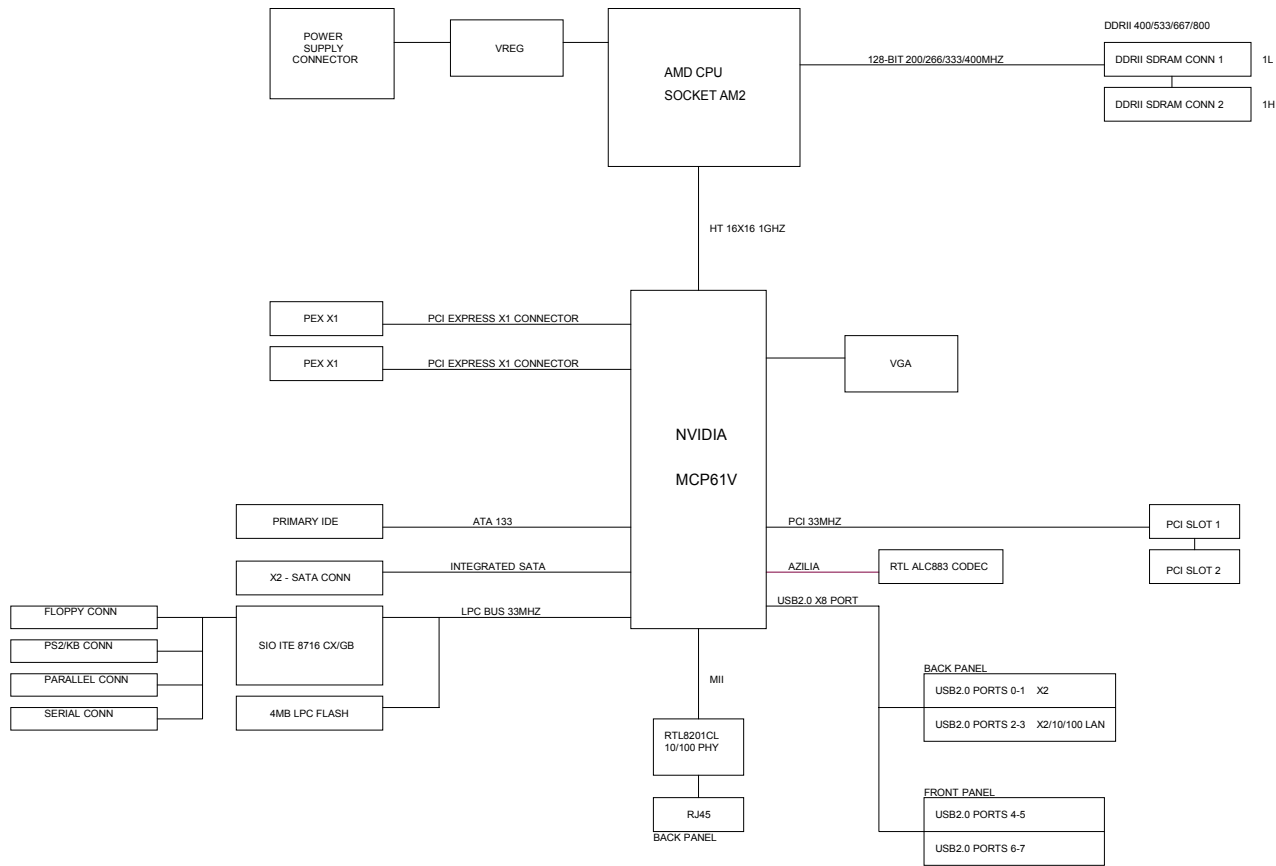
GIGABYTE			
Title			
BLOCK DIAGRAM			
Size	Document Number	Rev	
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Component value change history

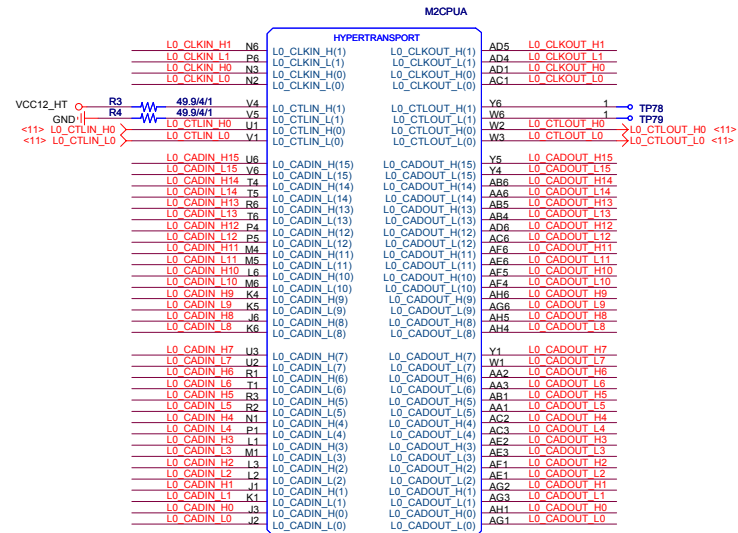
Circuit or PCB layout change for next version

[illegible]

BLOCK DIAGRAM

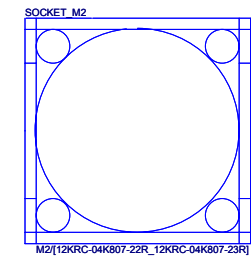


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L0_CADIN_H[0..15] <L0_CADIN_H[0..15] <11>
L0_CLKIN_L[0..1] <L0_CLKIN_L[0..1] <11>
L0_CLKIN_H[0..1] <L0_CLKIN_H[0..1] <11>
L0_CADOUT_L[0..15] <L0_CADOUT_L[0..15] <11>
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L0_CLKOUT_L[0..1] <L0_CLKOUT_L[0..1] <11>
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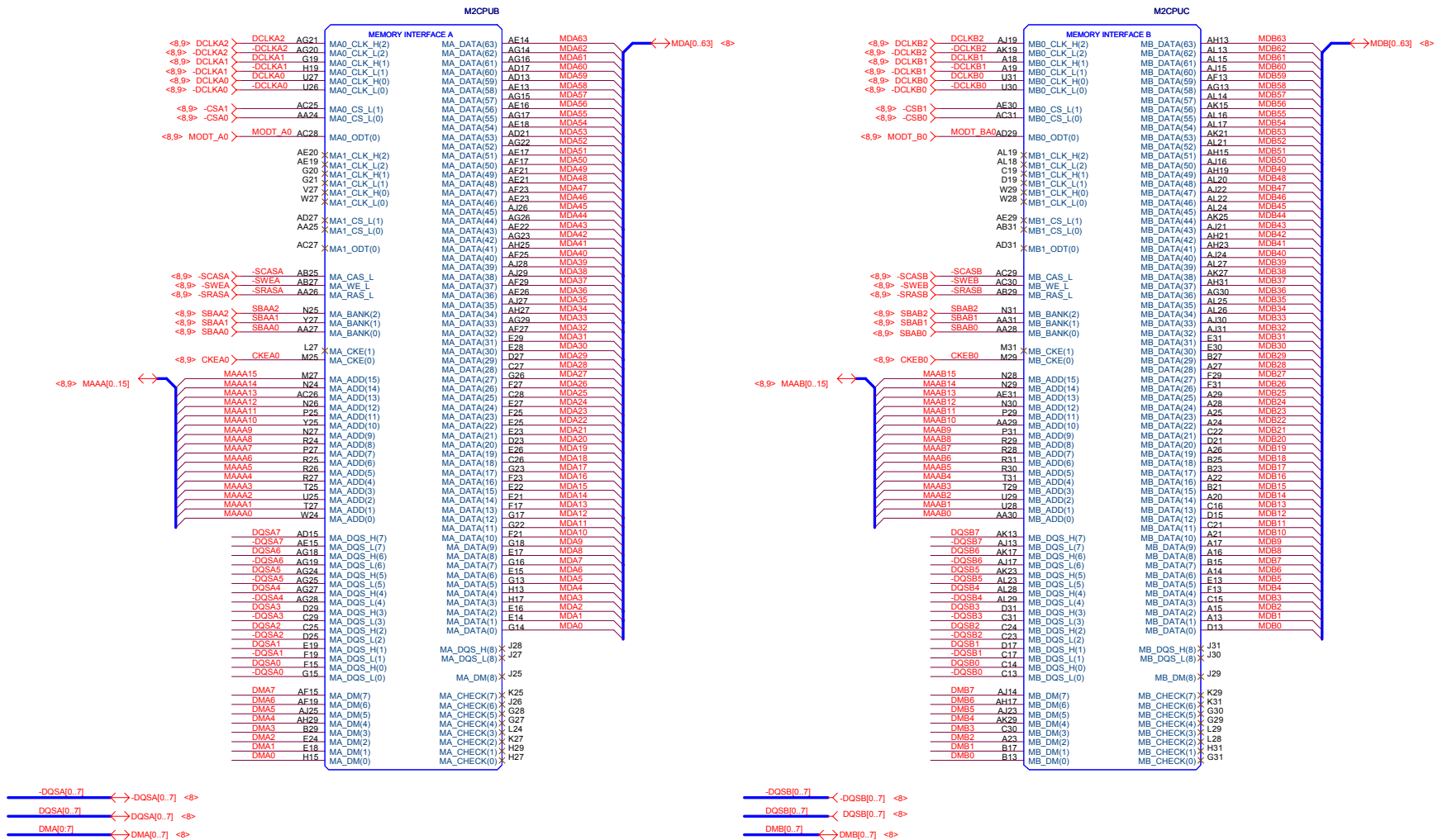
CPU_VDD_RUN = VCORE
CPU_VDDA_RUN = VDDA25
VLDT_RUN = VCC12_HT
CPU_VDDIO_SUS = DDR18V
CPU_VTT_SUS = DDRVTT

VLDT_A = VCC12_HT
VLDT_B = HT12B



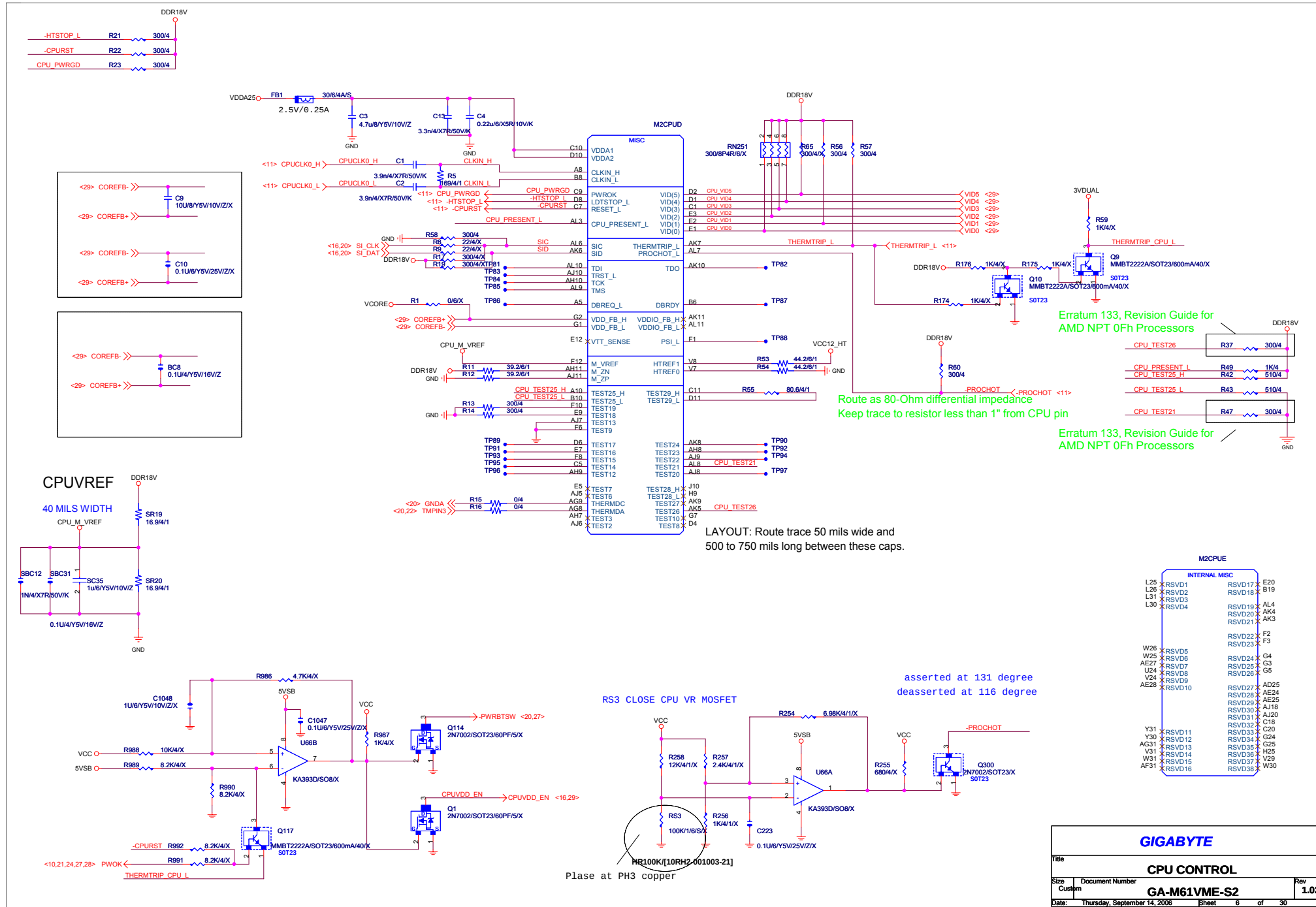
GIGABYTE

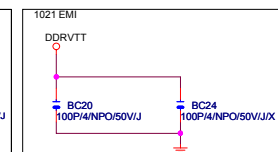
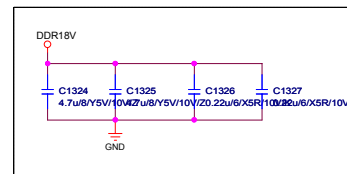
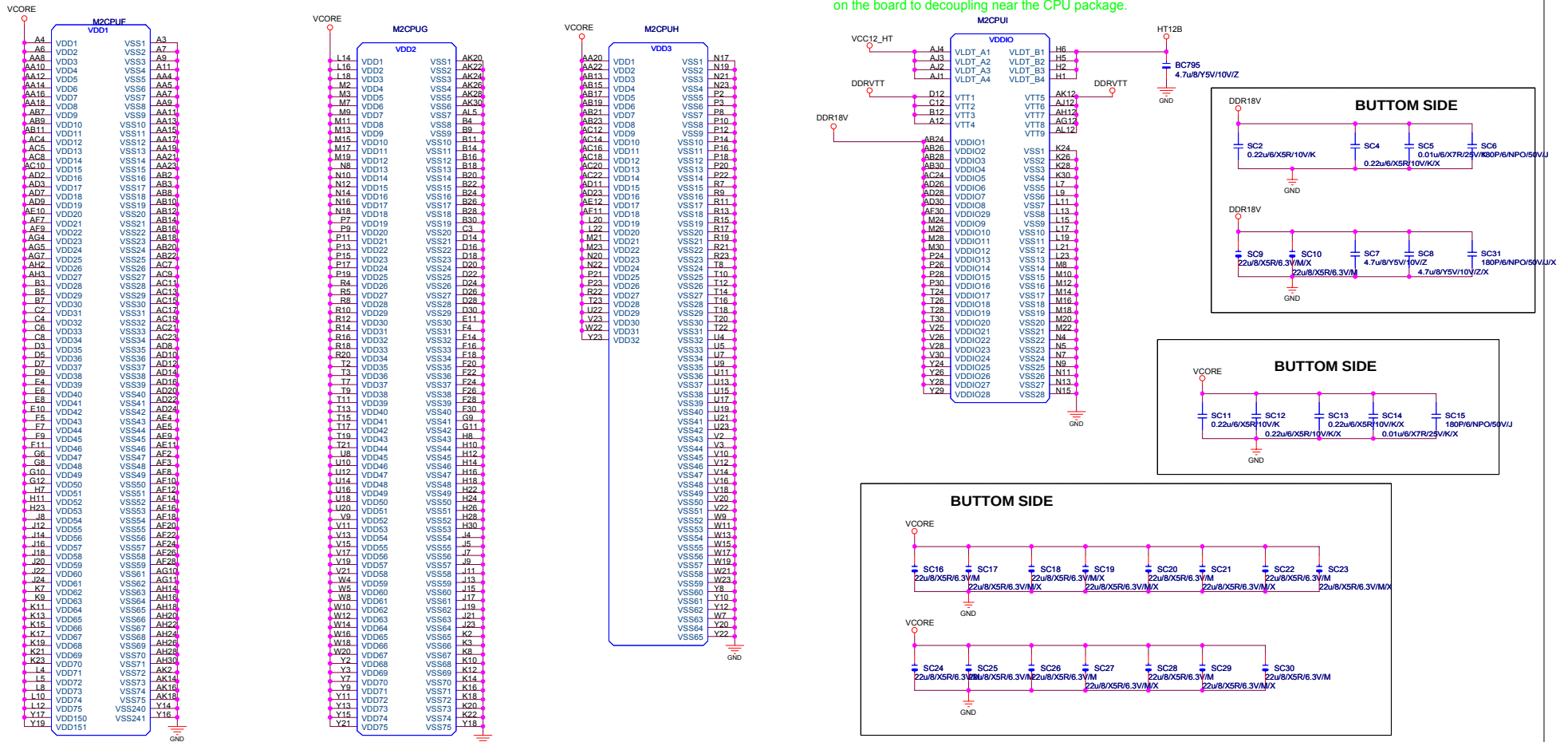
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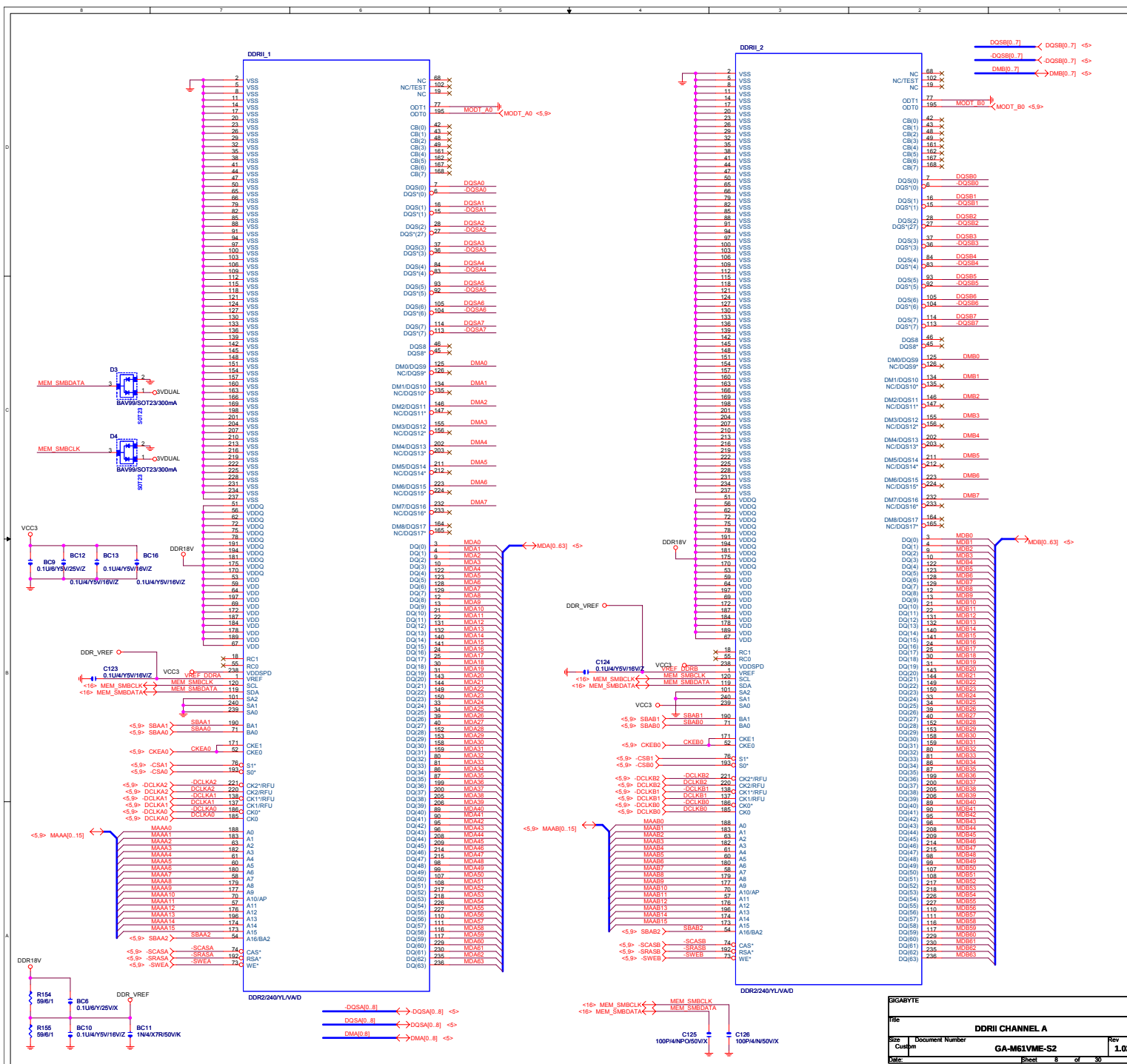


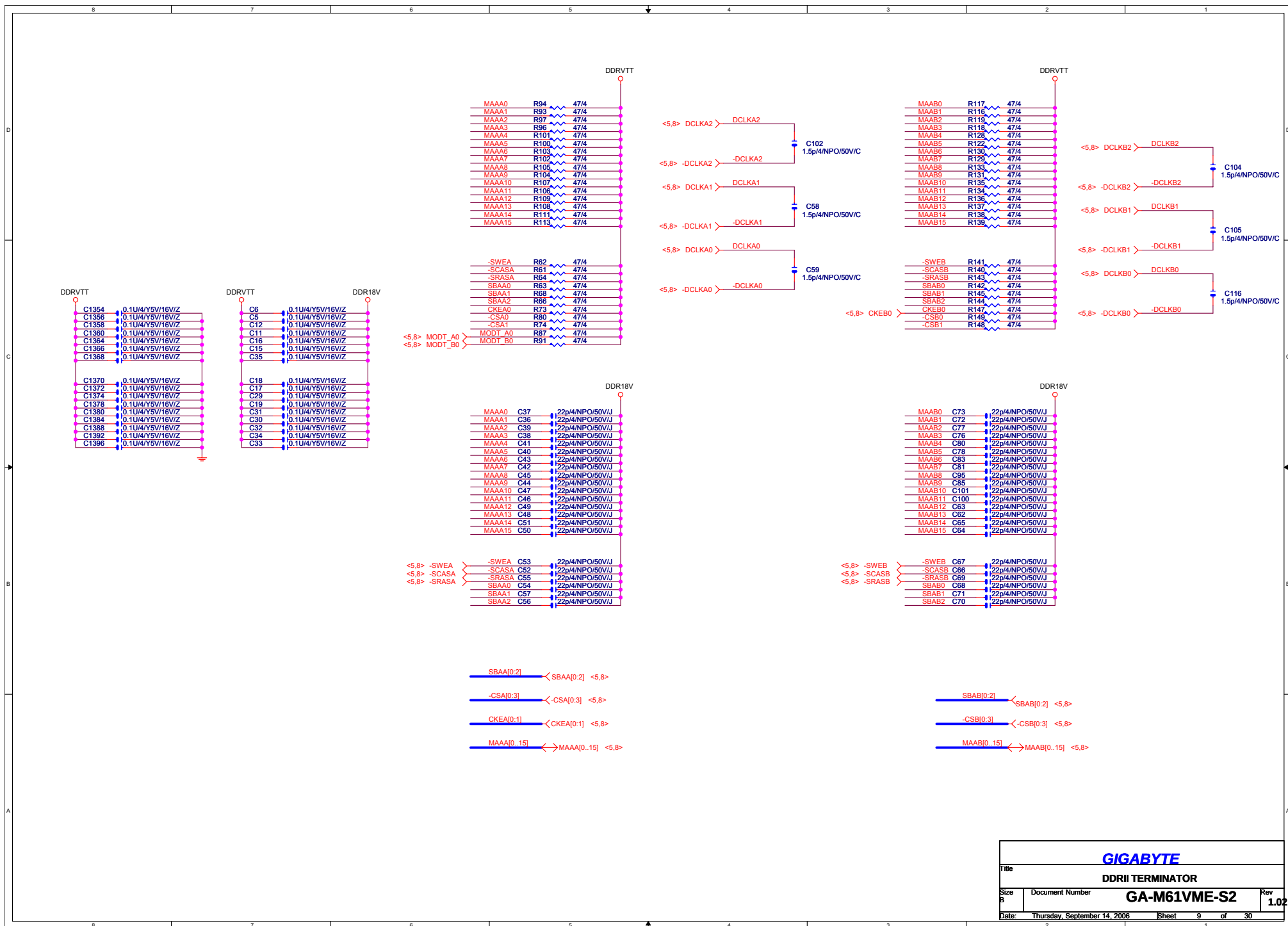
GIGABYTE

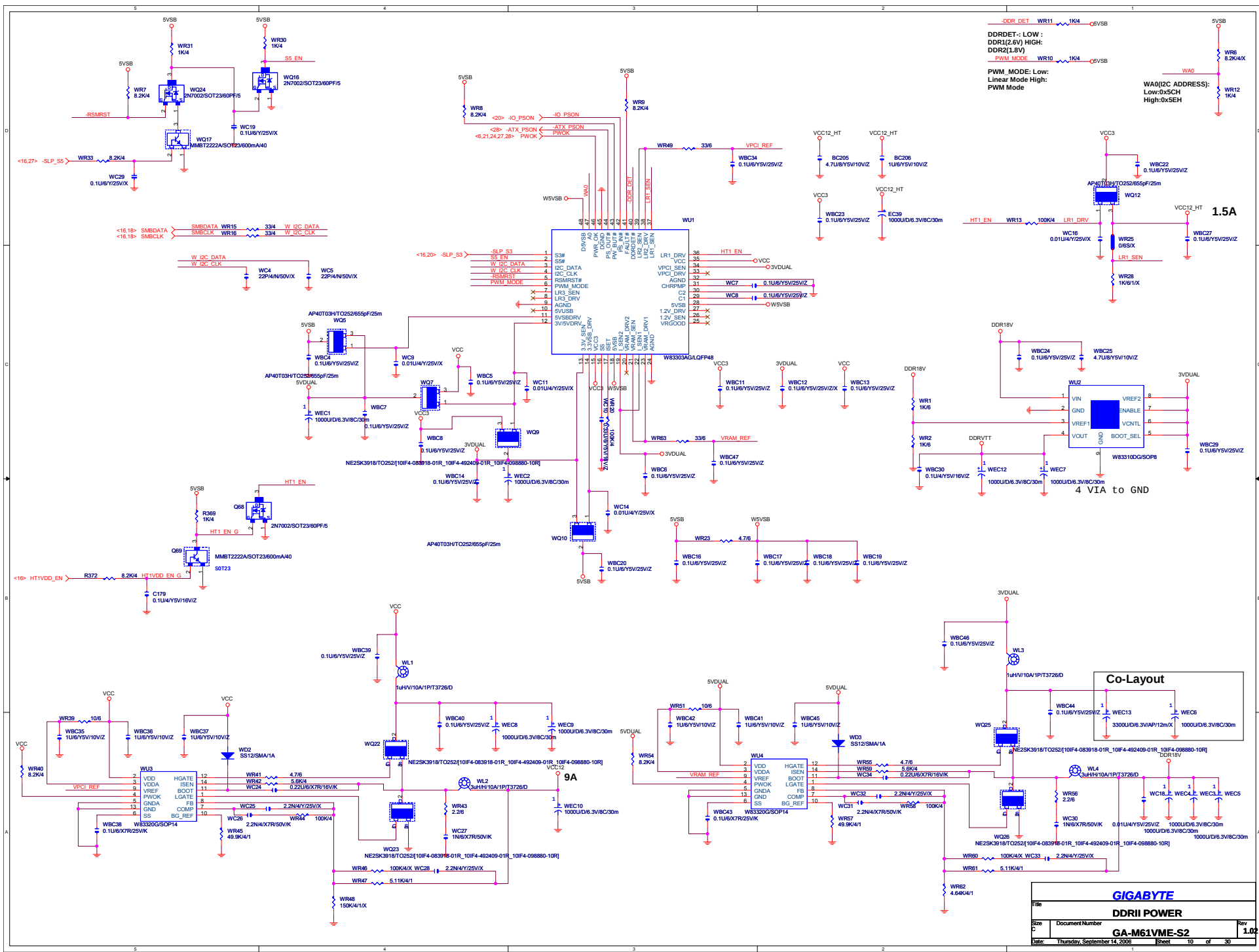
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Size	Document Number	Rev	
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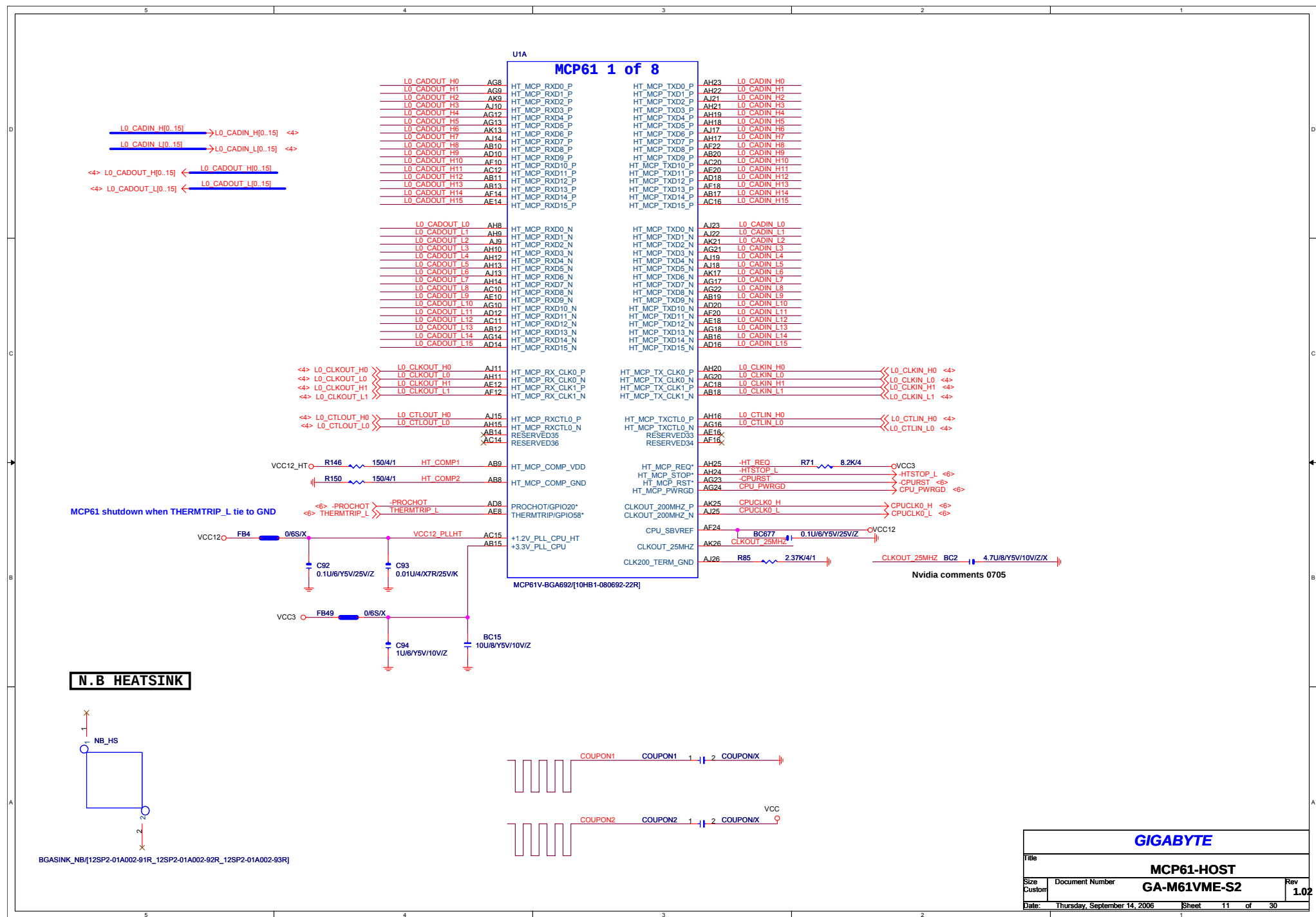


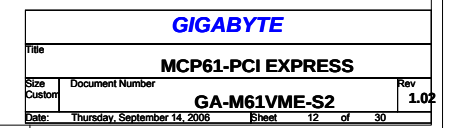


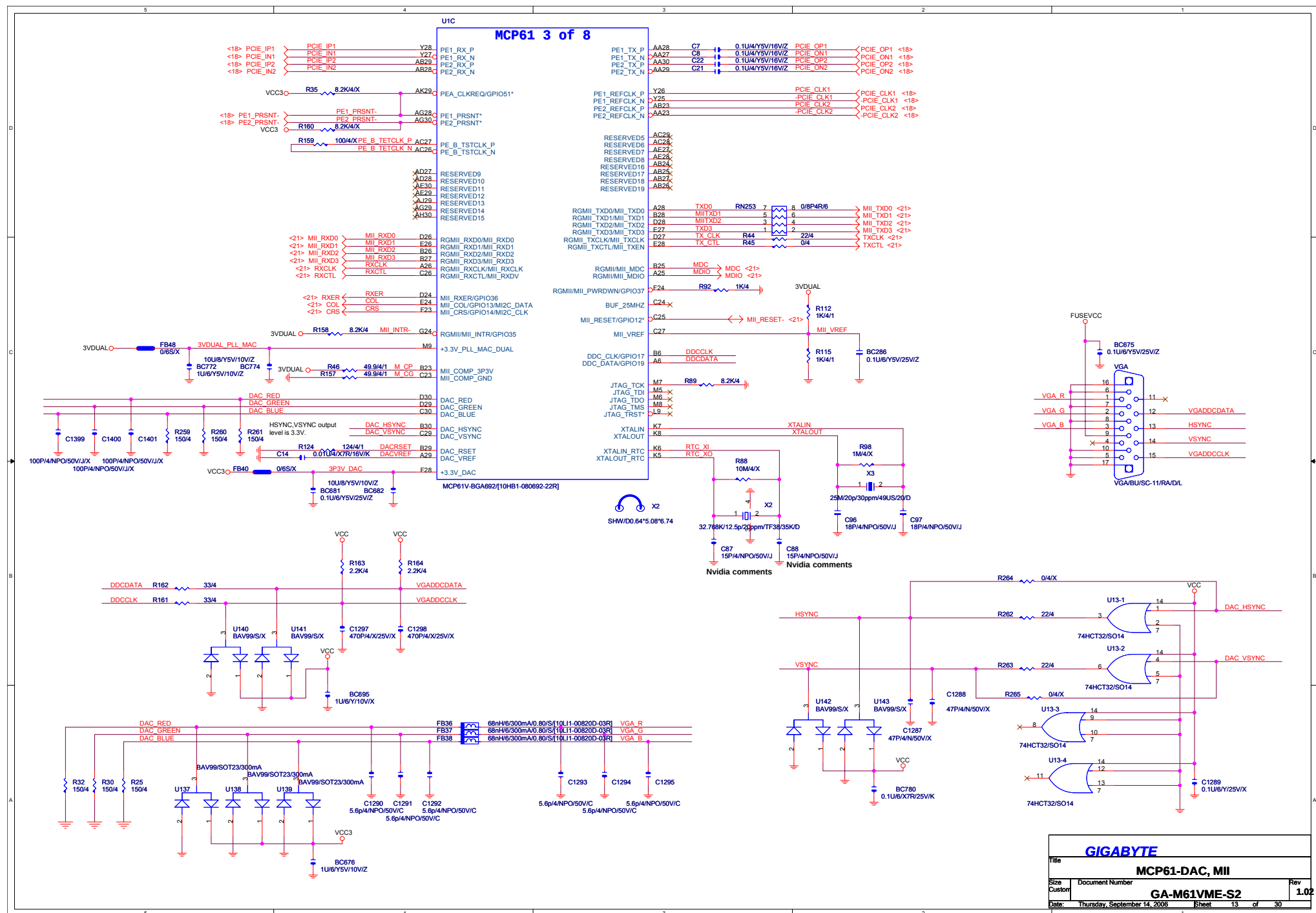


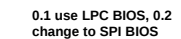


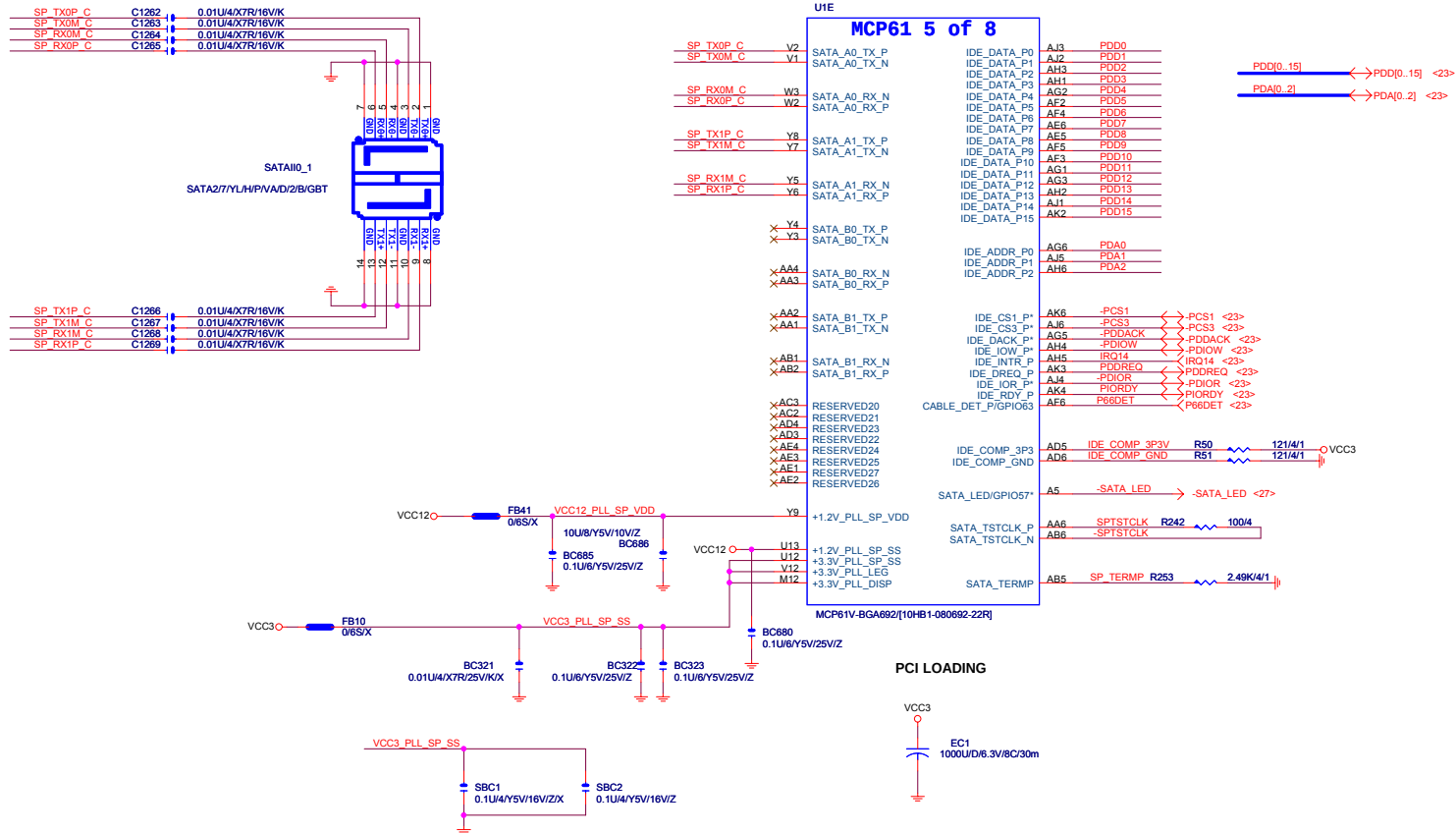
GIGABYTE			
DDR2 POWER			
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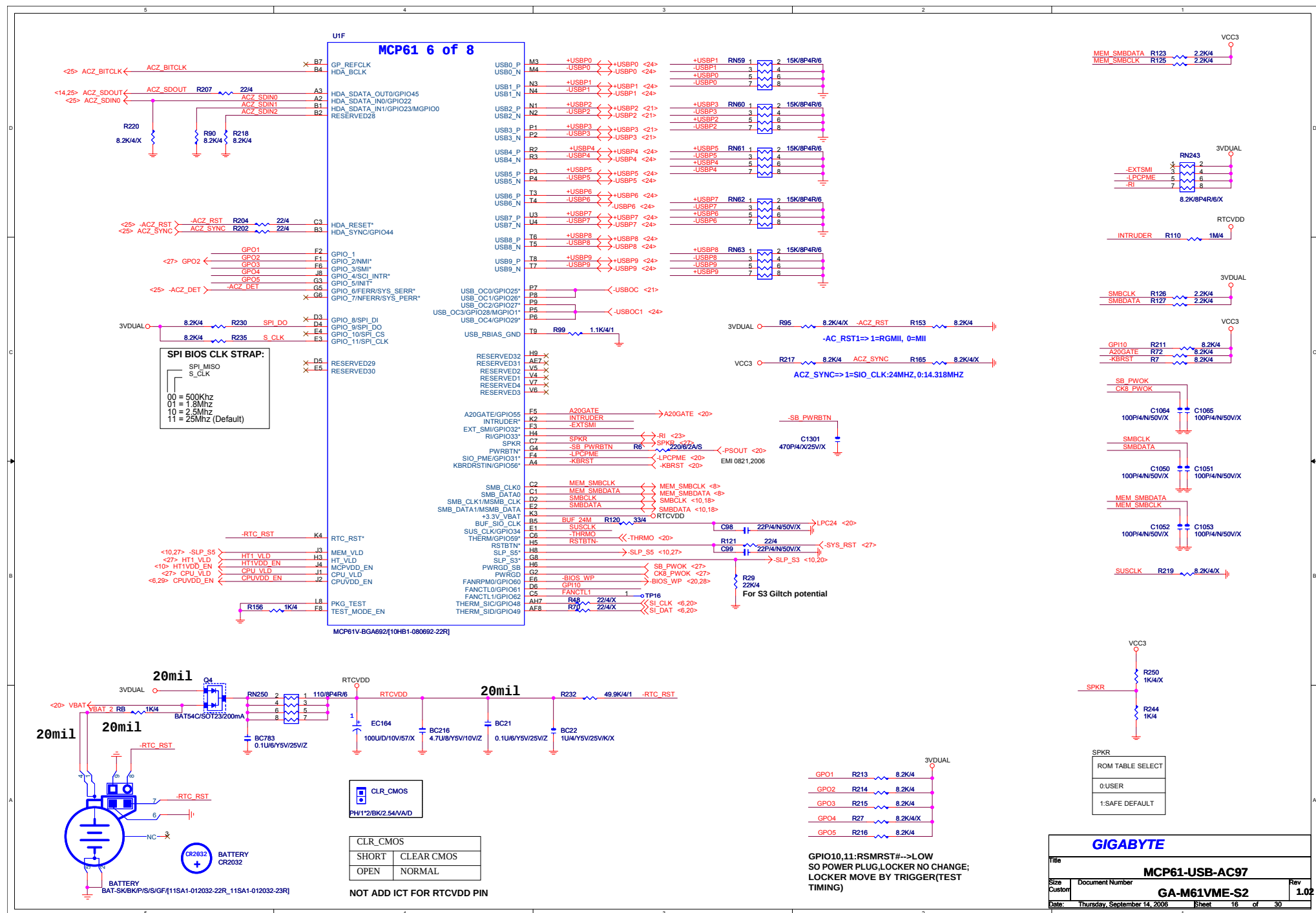


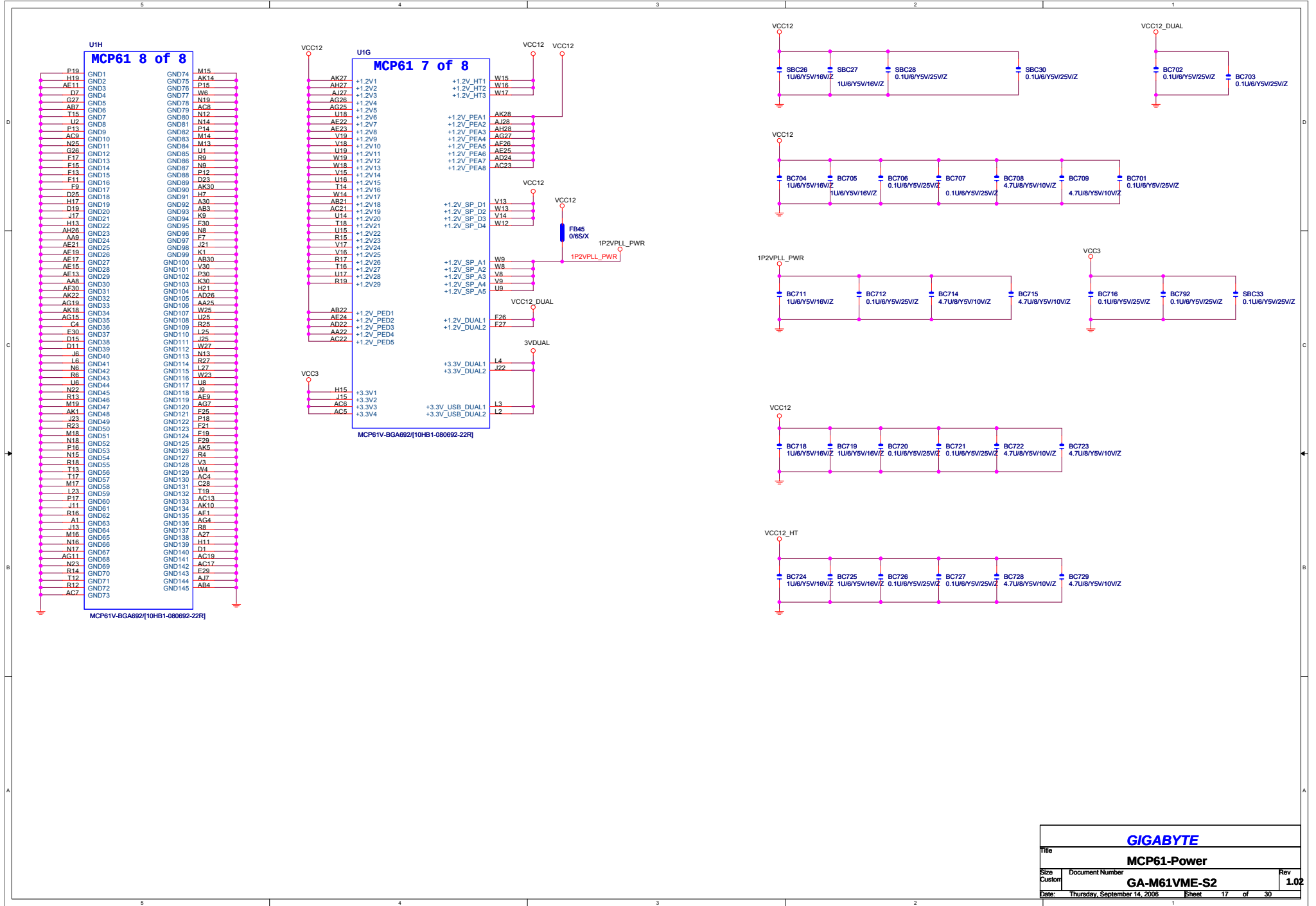


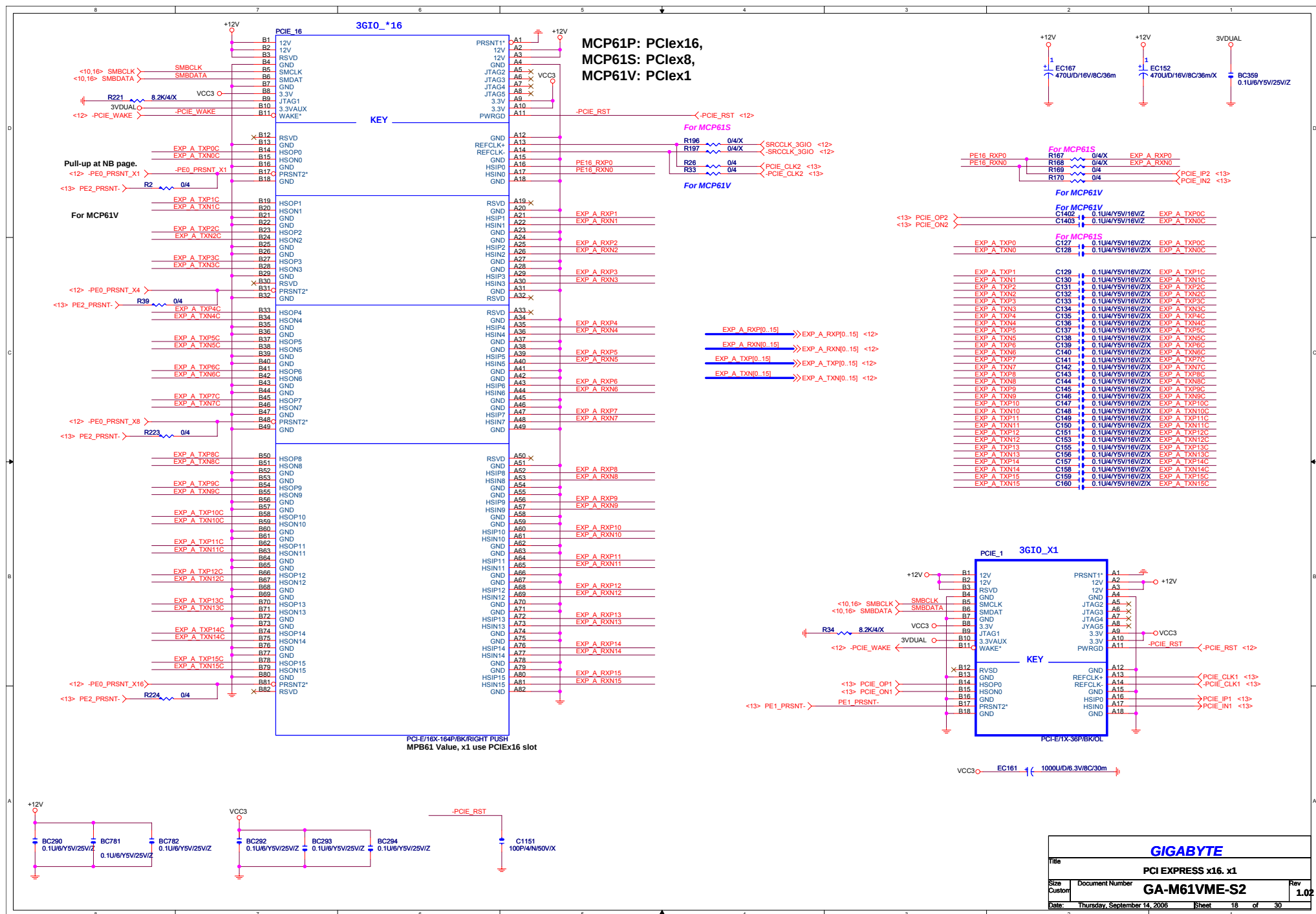




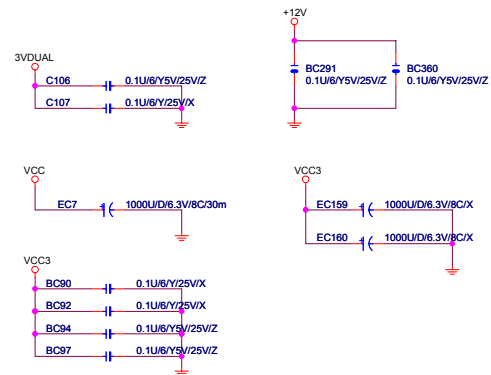
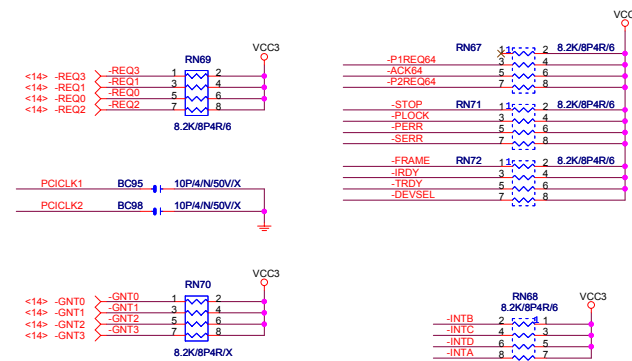
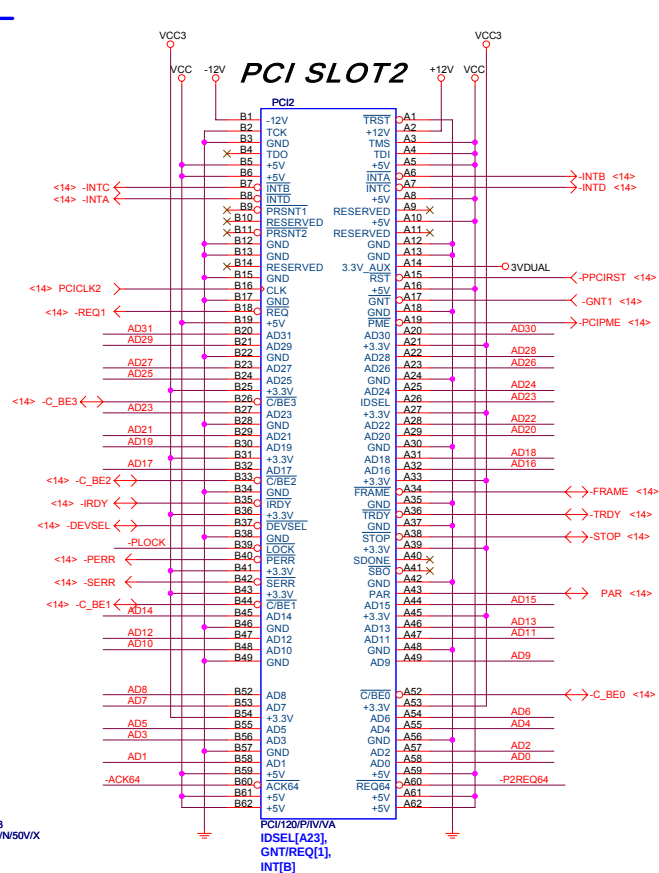
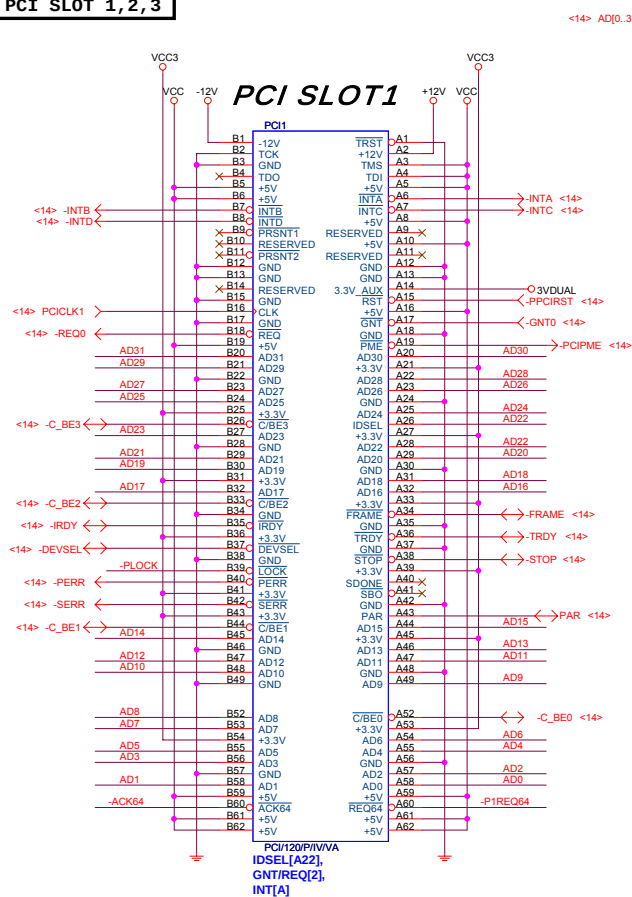


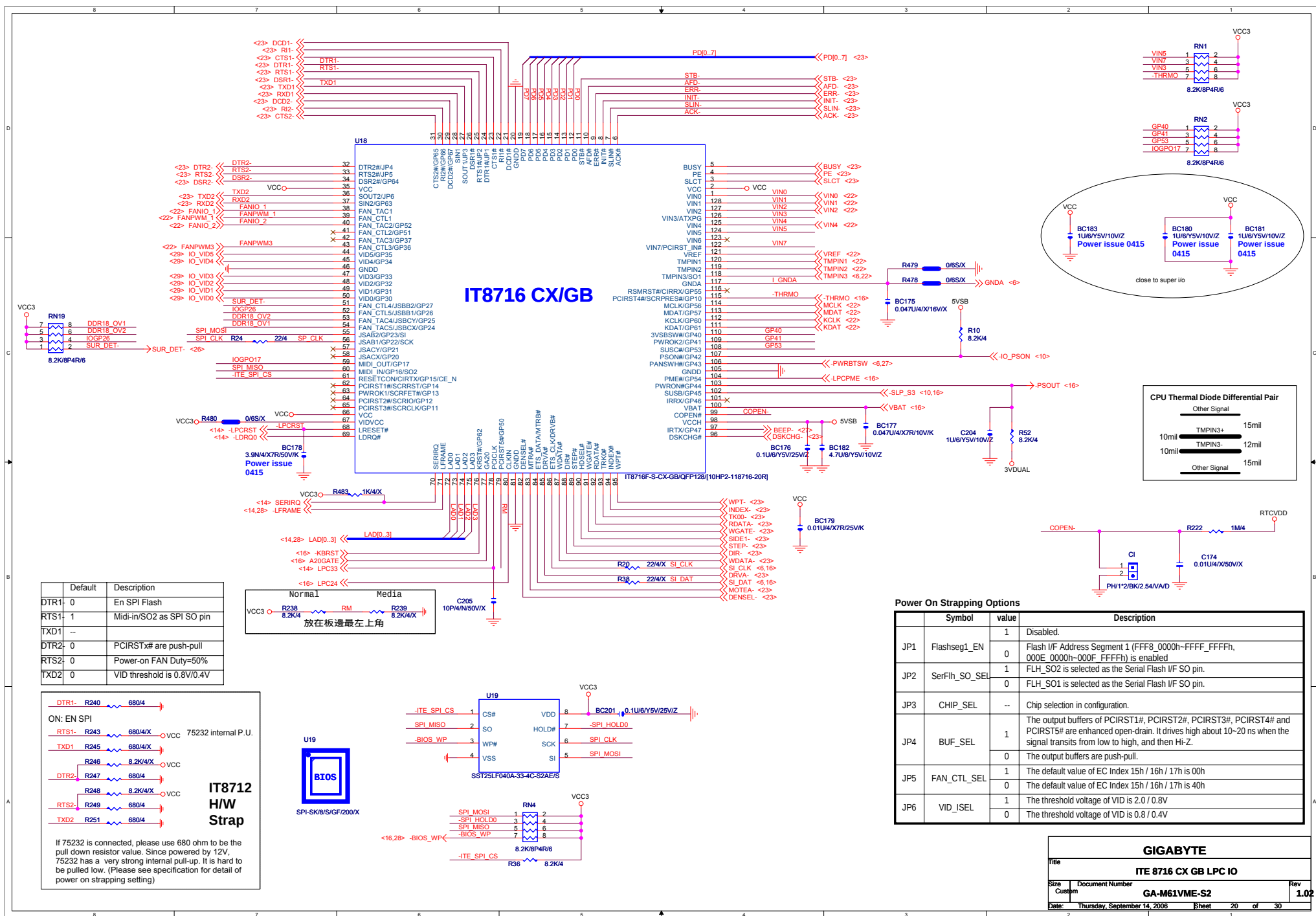


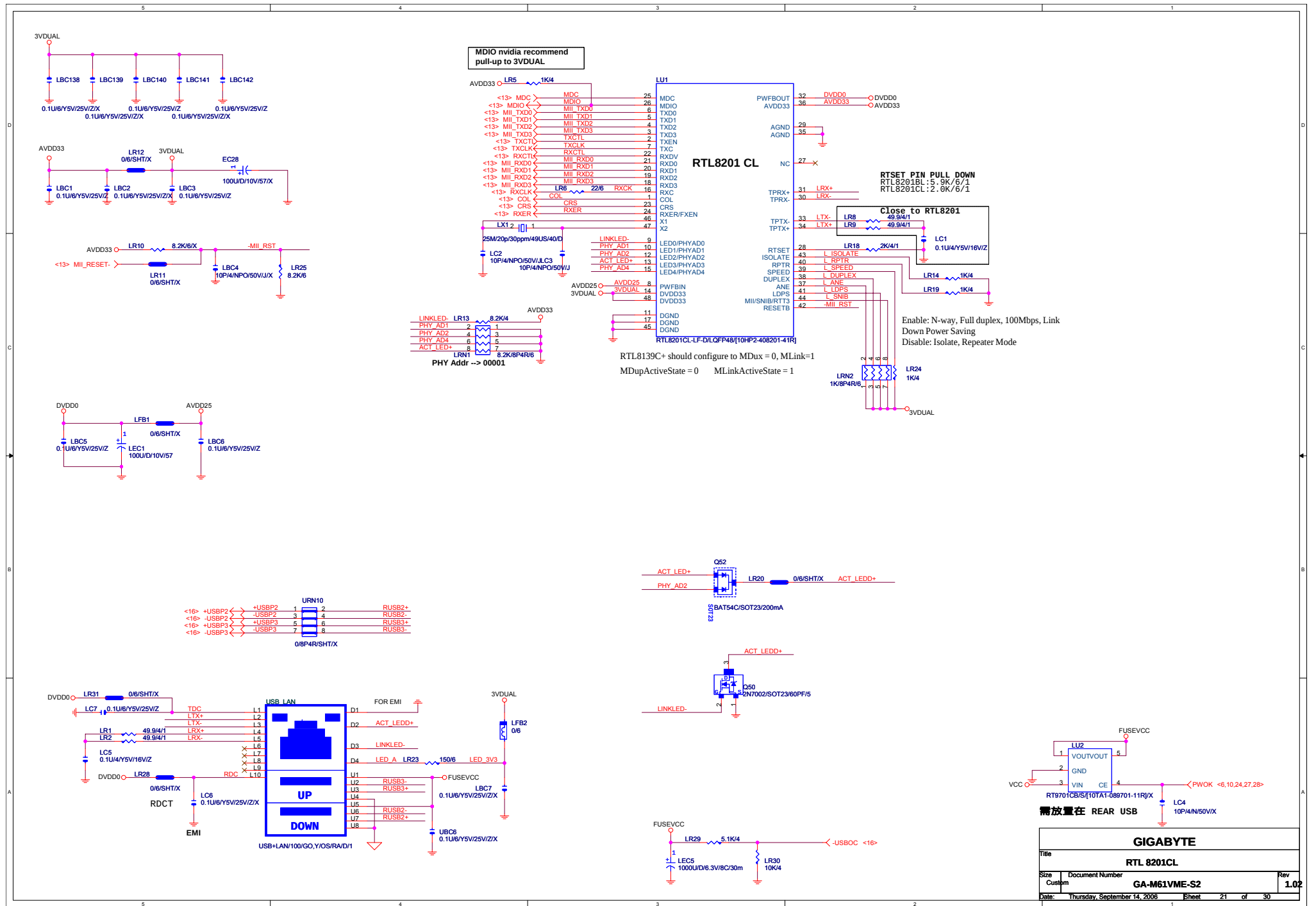




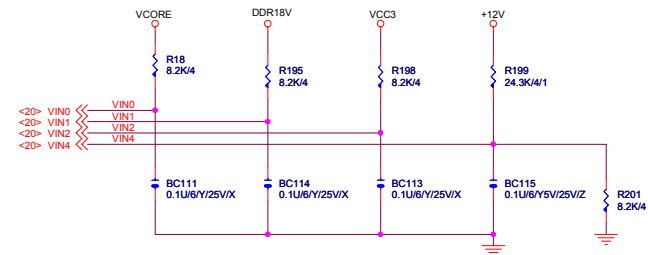
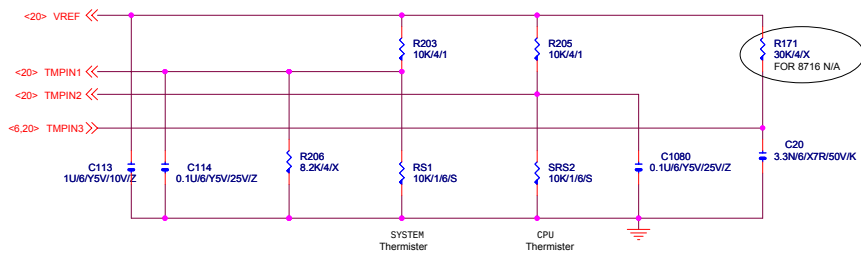
PCI SLOT 1,2,3



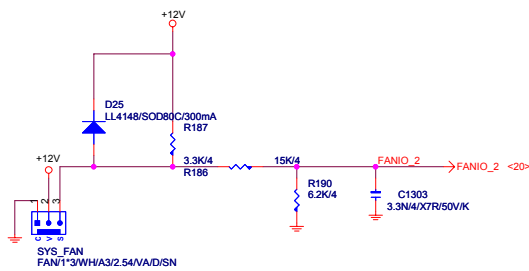




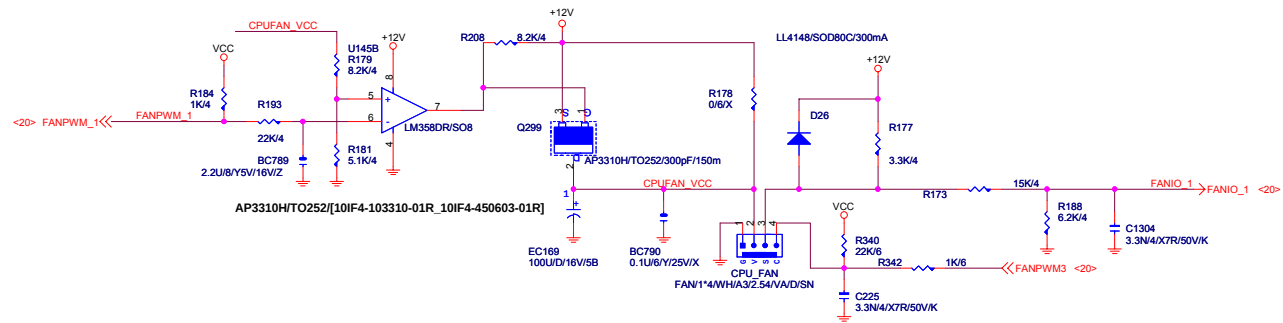
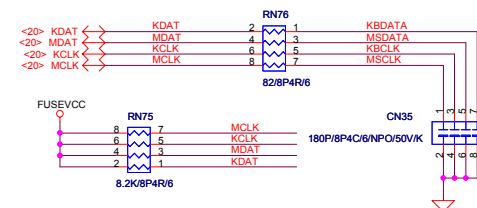
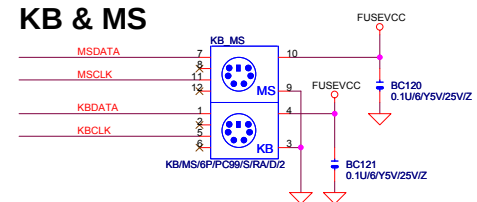
Hardware Monitor circuits



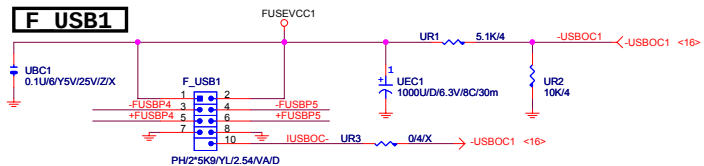
SYSTEM FAN



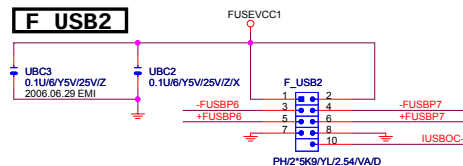
CPU FAN

**KB & MS**

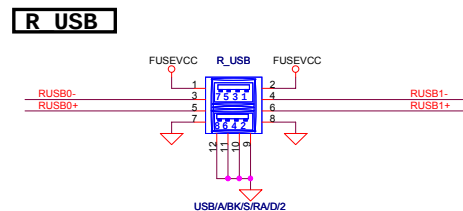
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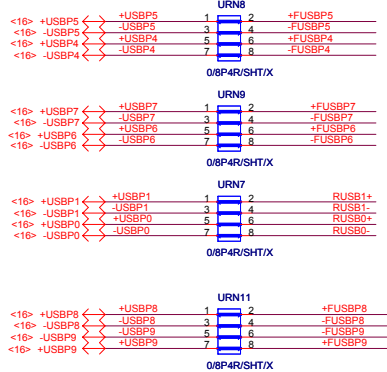
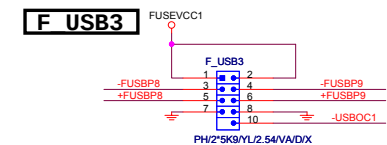
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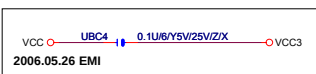
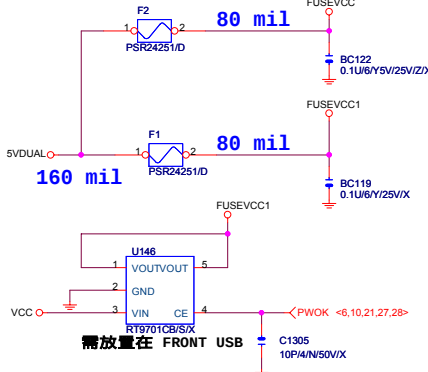
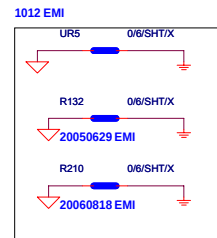
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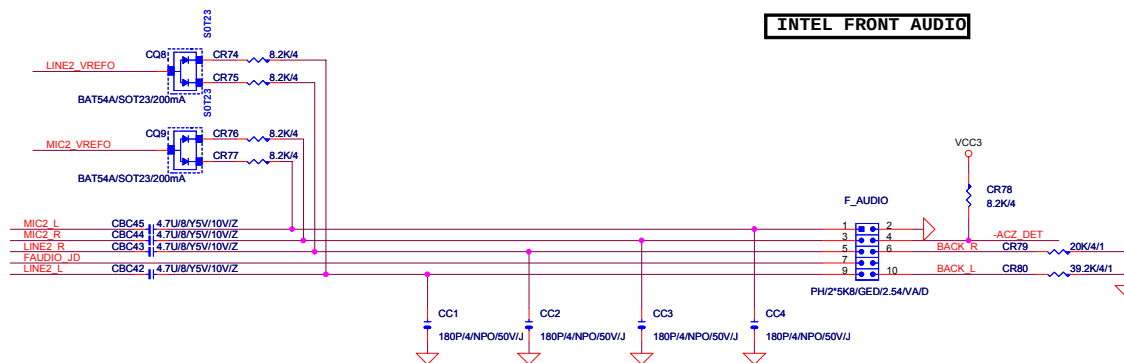


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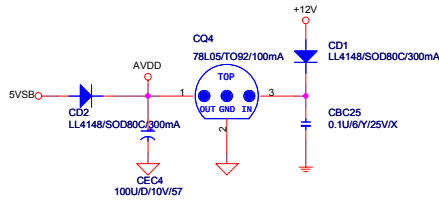
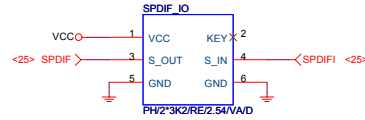
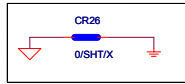
1012 EMI



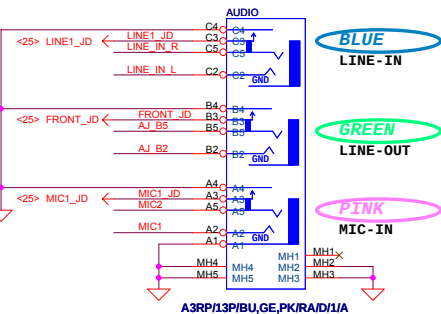
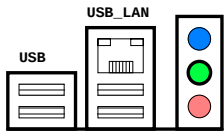
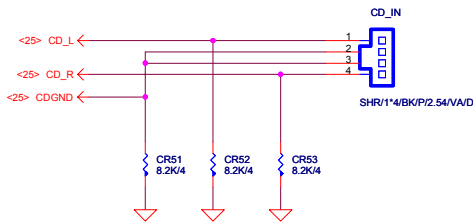


GIGABYTE

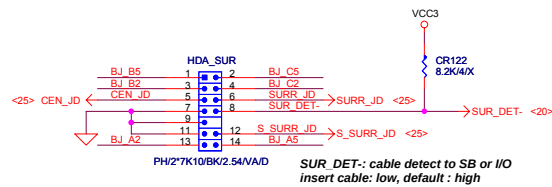
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ALC883			
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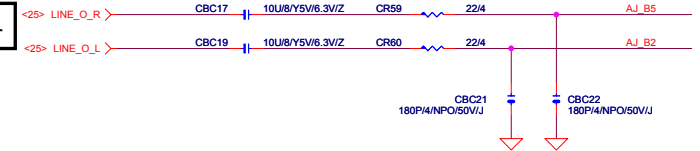
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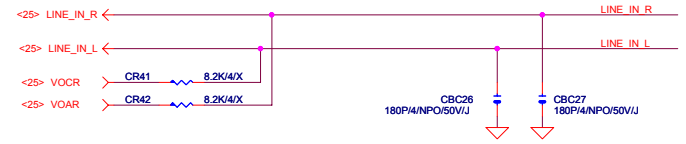
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3RJ+15F[11NR6-403004-11]



LINE OUT FRONT OUT



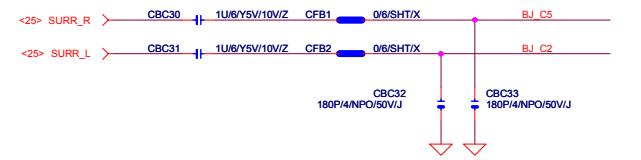
LINE-IN



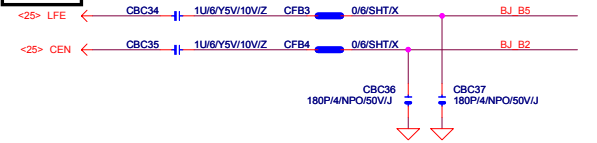
MIC



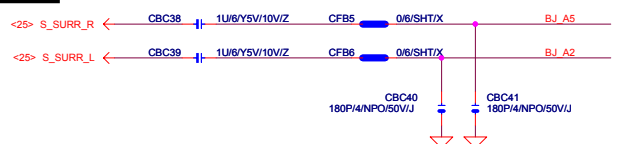
SURROUND



CEN/LFE

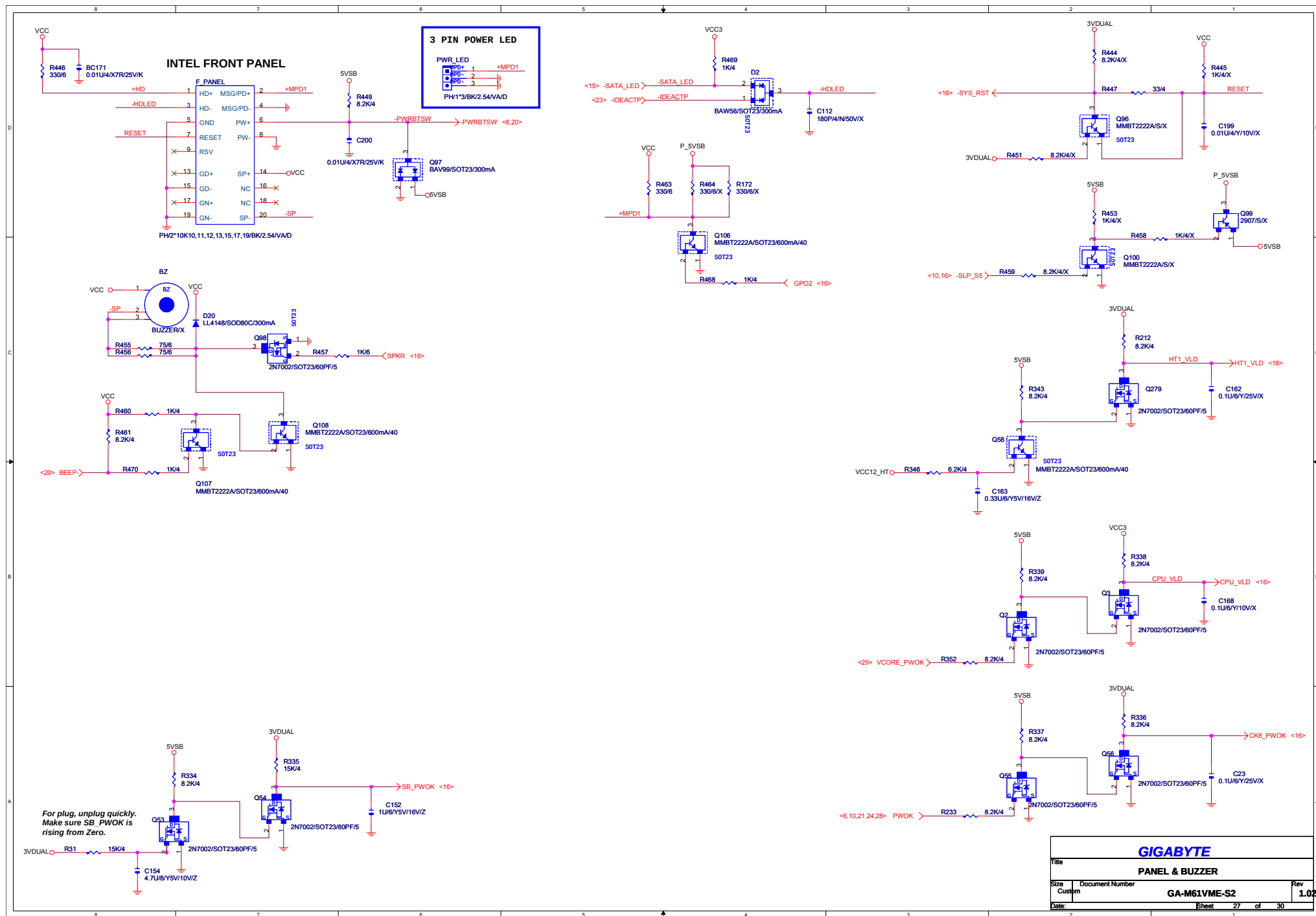


SURR BACK

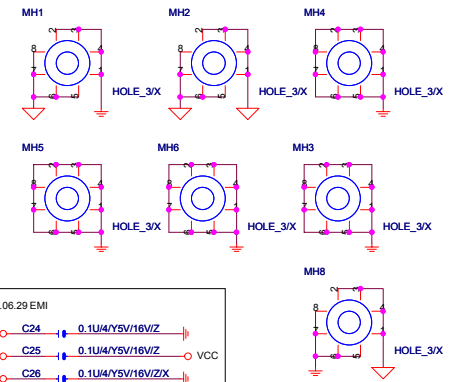
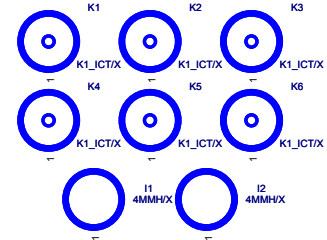
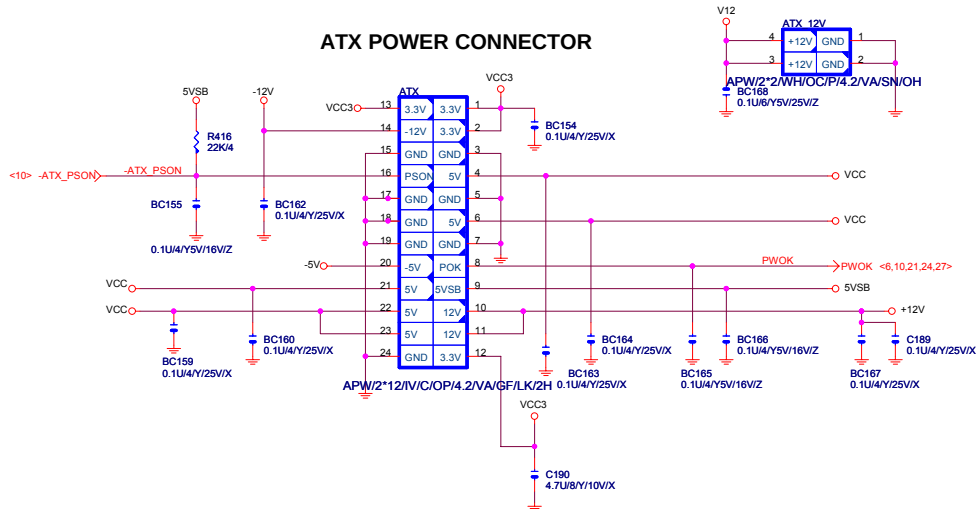


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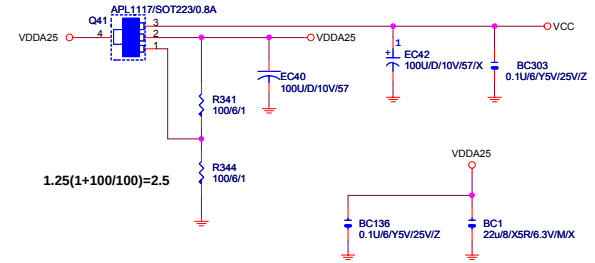
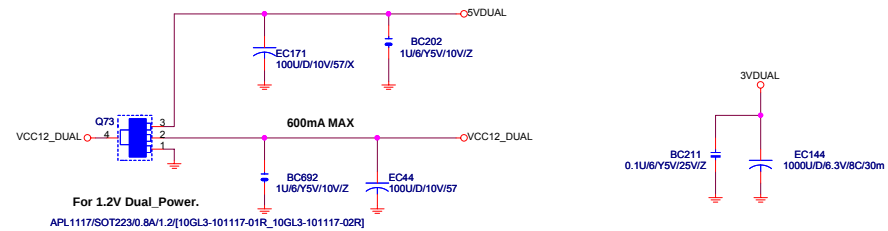
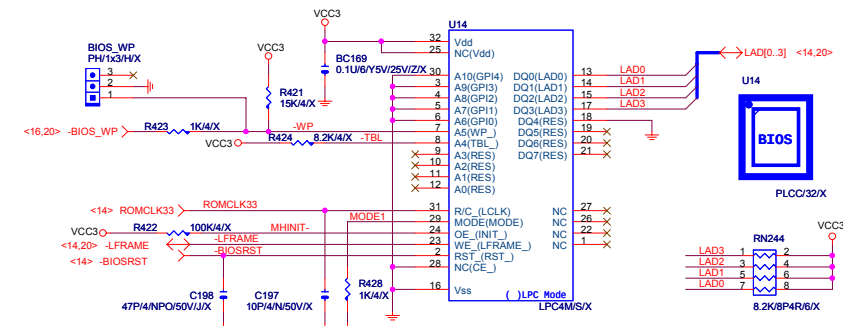
Title			
AUDIO JACK			
GA-M61VME-S2			
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Custom			
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ATX POWER CONNECTOR



2006.06.29 EMI	
+12V	C24 0.1U4/Y5V/16V/Z
VCC3	C25 0.1U4/Y5V/16V/Z
VCC	C26 0.1U4/Y5V/16V/Z



GIGABYTE			
Title ATX CON,BIOS,VDDA25,VCC12_DUAL			
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