

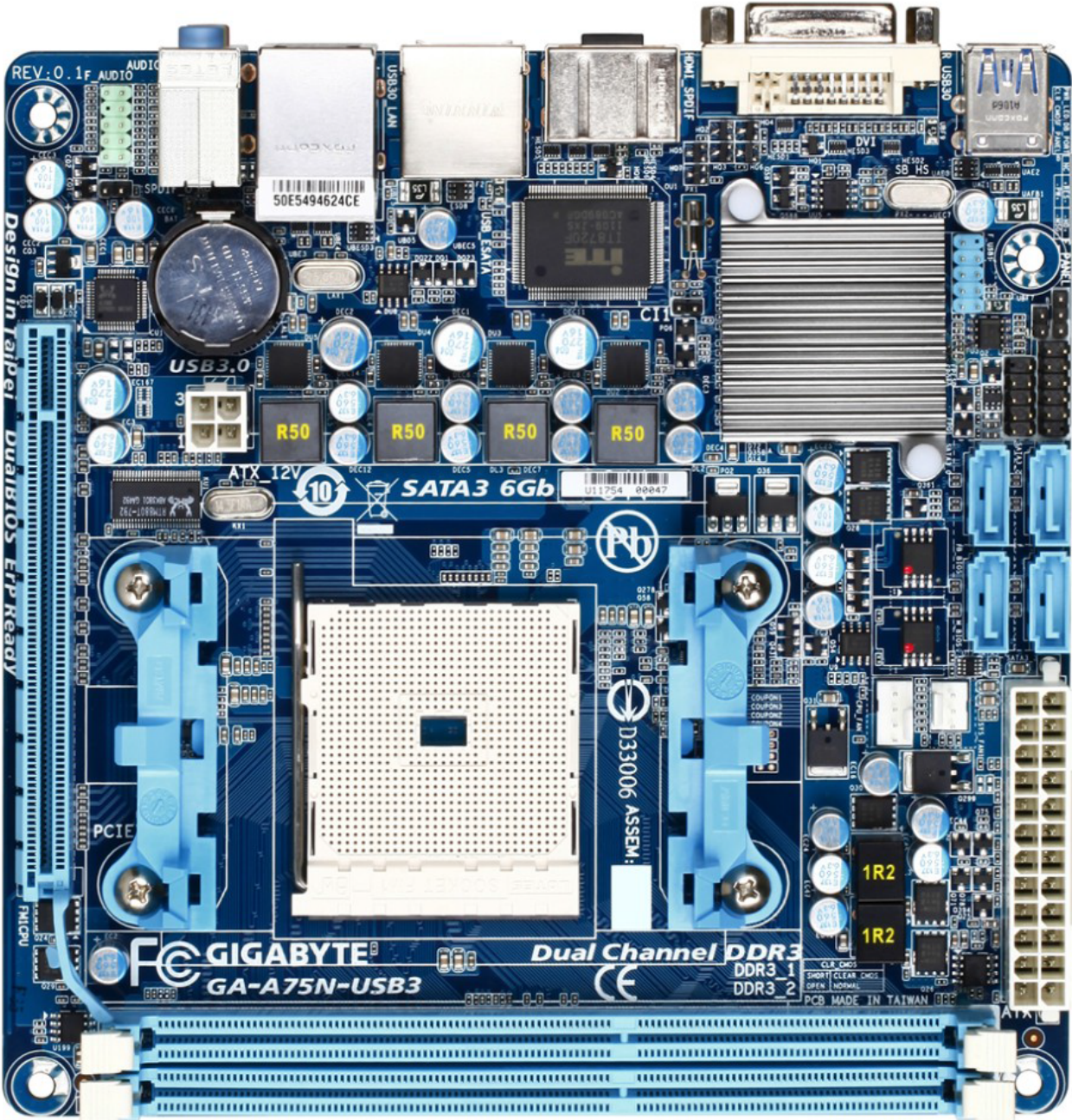
# GA-A75N-USB3

PAGE

TITLE

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27	REALTK RTL8111E



APU\_VDDIO\_SUS=DDR15V  
APU\_VTT\_SUS=DDRVTT  
APU\_VDDP\_RUN=APU\_VDDR\_RUN=APU\_VDDP  
+1.1V\_RUN=FCH\_VDD\_11\_RUN=VCC\_SB  
+3.3V\_RUN=VCC3  
+3.3V\_ALW=3VDUAL



GIGABYTE™

Title

Size

Custom

Document Number

Date: Monday, October 03, 2011

COVER SHEET

Rev

1.0

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5					4					3					2					1																			
Model Name:GA-A75N-USB3																																							
Component value change history										Version: 1.0 P-Code: U98126-0																													
Date					Change Item					Reason																													
2011.07.29					0.1 New BOM Release					PCB:0.1					Modify from 9MMA785TD-00-11B																								
2011.09.21					1.0A BOM Release					PCB:1.0					change DDR15V resistance R2806 2K to 499 / R2810 1.2K to 330 & VCC11_DUAL UR27 590 to 412ohm / HDMI / PWM ISEN_NB Risen resistance 324ohm																								
2011.10.03					1.0B BOM Release					PCB:1.0					change heatsink 用料(12SP2-030005-41R/42R/43R)																								

[illegible]

5					4					3					2					1																			
Model Name:GA-A75N-USB3																																							
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2011.10.03					1.0B BOM Release					PCB:1.0					change heatsink 用料(12SP2-030005-41R/42R/43R)																								

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Model Name:GA-A75N-USB3

Component value change history

Version: 1.0

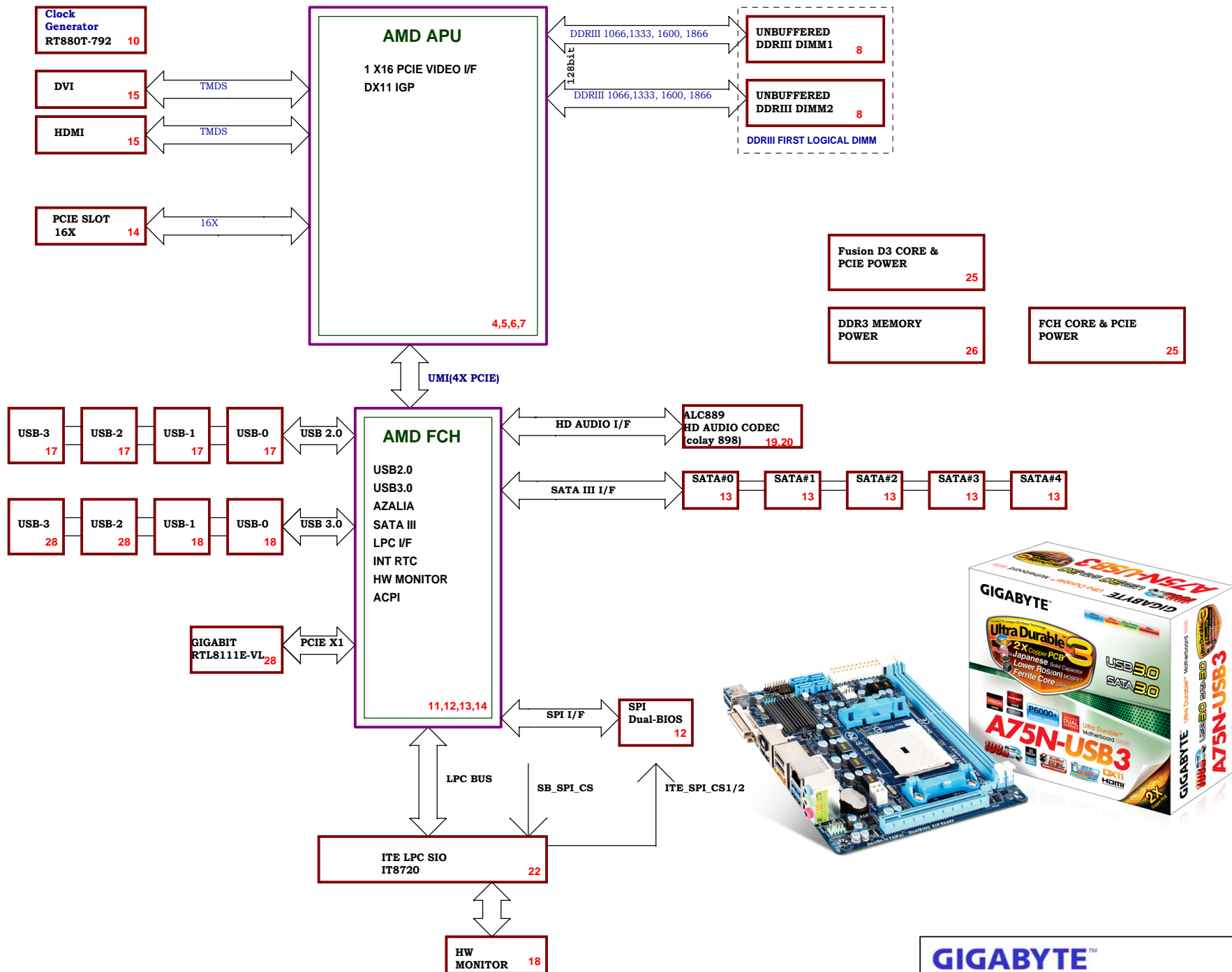
P-Code: U98126-0

Date	Change Item	Reason
2011.07.29	0.1 New BOM Release PCB:0.1	Modify from 9MMA785TD-00-11B
2011.09.21	1.0A BOM Release PCB:1.0	change DDR15V resistance R2806 2K to 499 / R2810 1.2K to 330 & VCC11_DUAL UR27 590 to 412ohm / HDMI / PWM ISEN_NB Risen resistance 324ohm
2011.10.03	1.0B BOM Release PCB:1.0	change heatsink 用料(12SP2-030005-41R/42R/43R)

5					4					3					2					1																			
Model Name:GA-A75N-USB3																																							
Component value change history										Version: 1.0 P-Code: U98126-0																													
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2011.10.03					1.0B BOM Release					PCB:1.0					change heatsink 用料(12SP2-030005-41R/42R/43R)																								

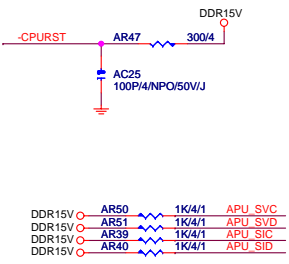
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# AMD Fusion D3 CUSTOMER DESKTOP REFERENCE DESIGN

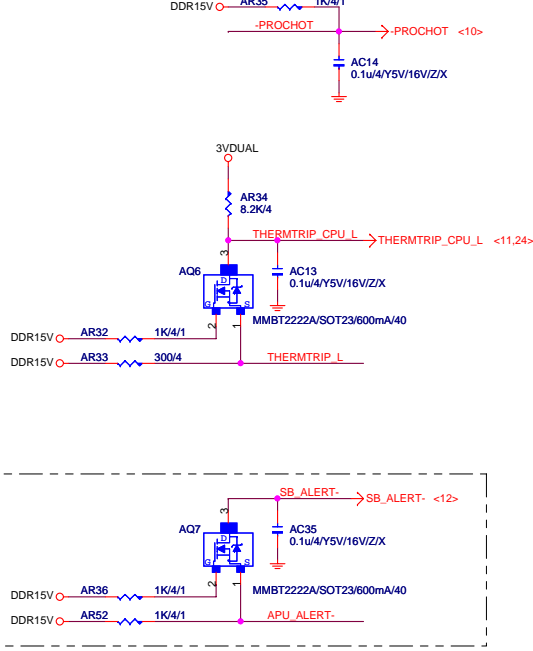
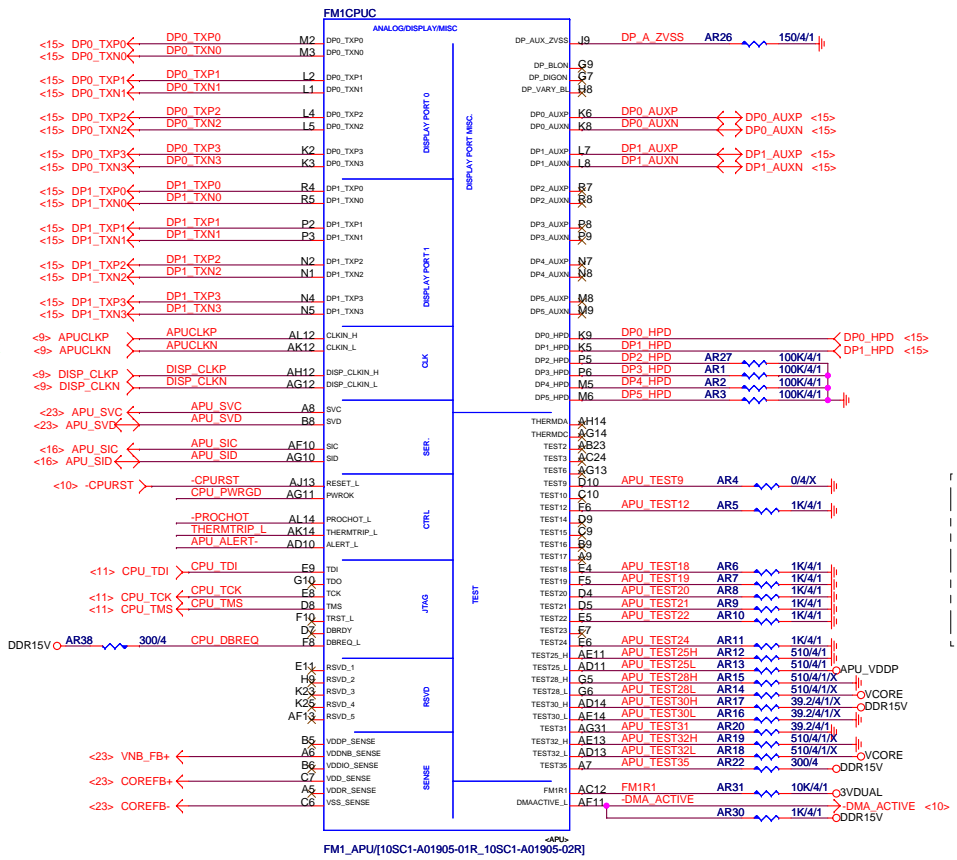
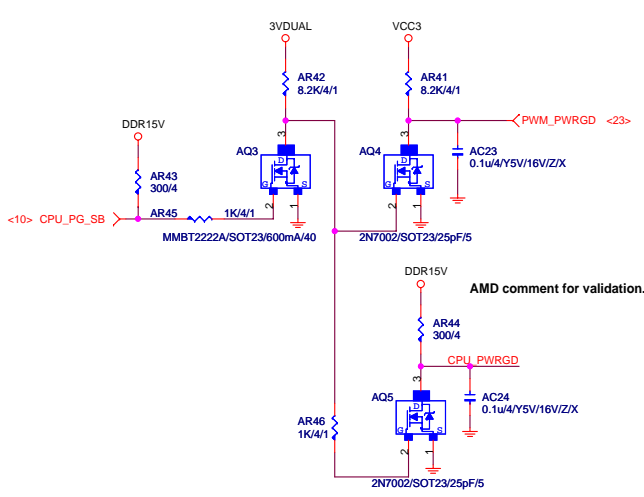








APU Spread 100Mhz clock  
DP Non-Spread 100Mhz clock



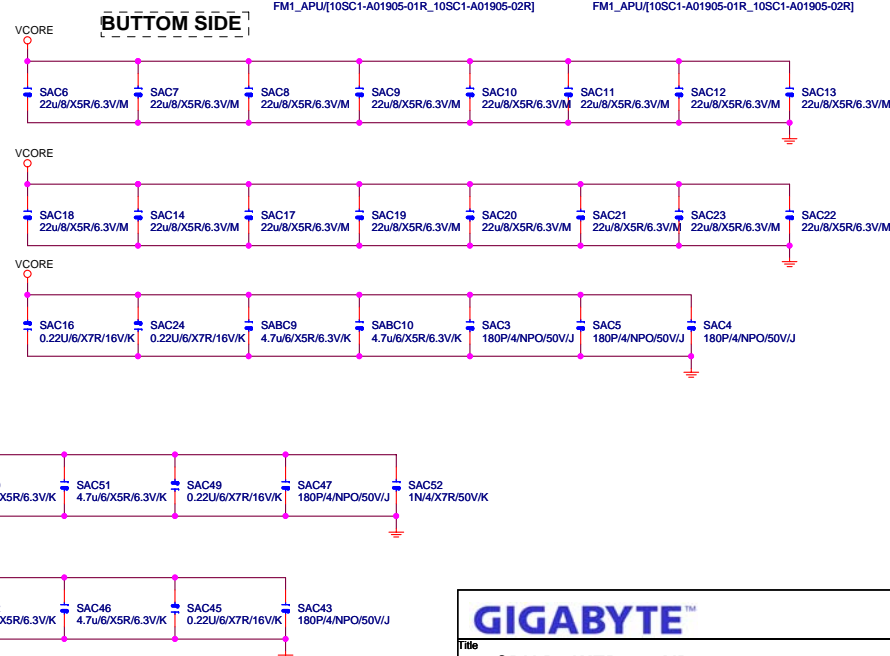
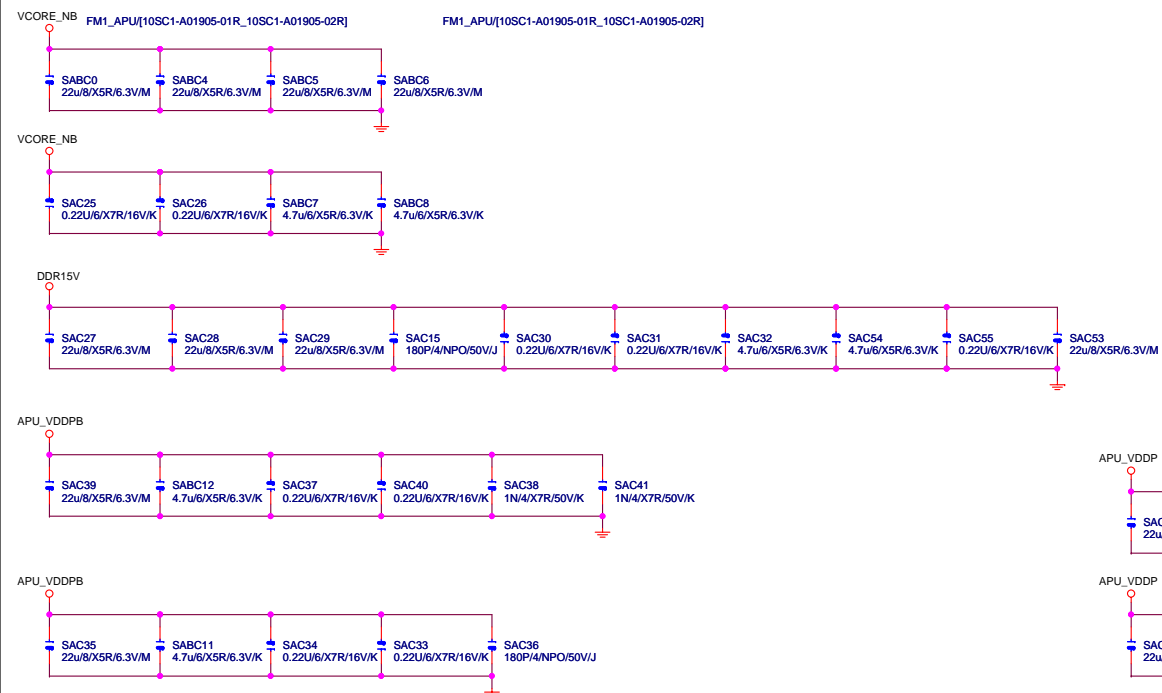
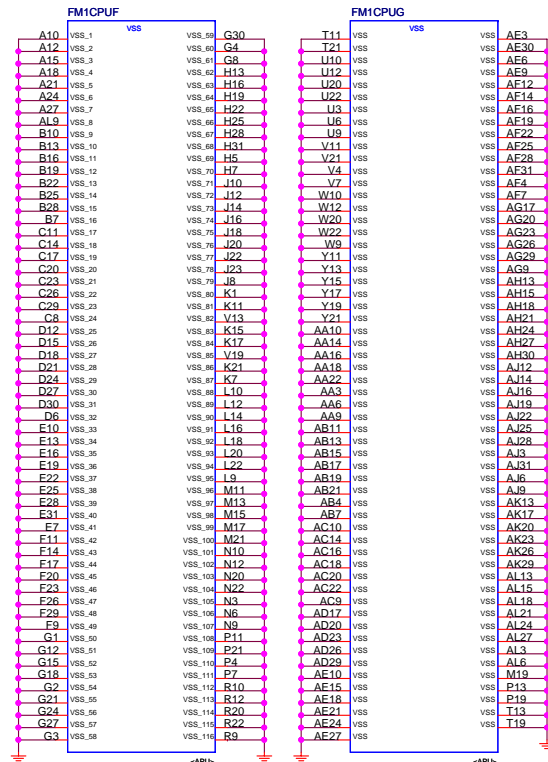
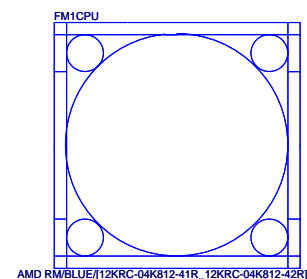
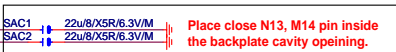


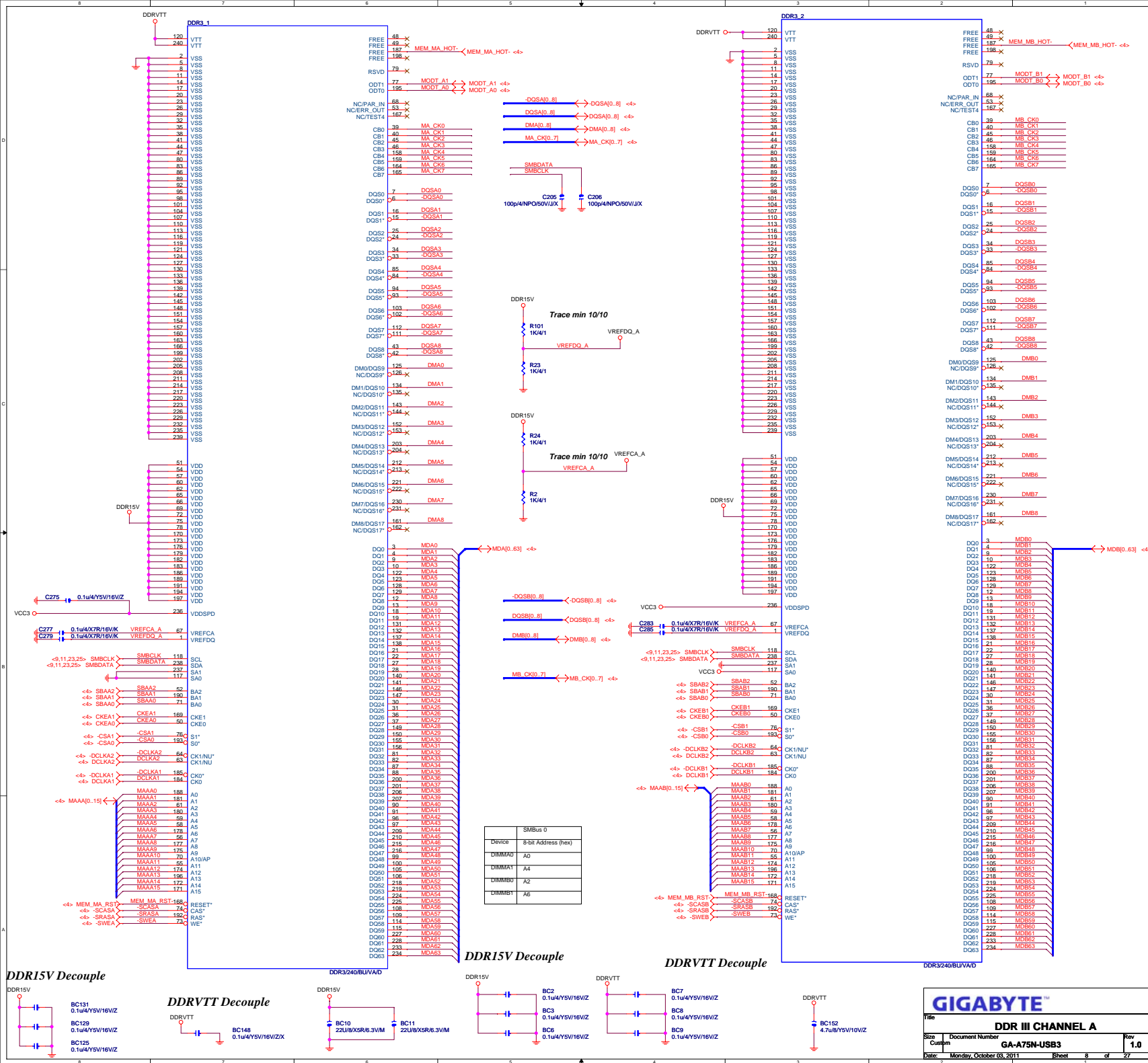
VDDA25

ABC16  
4.7uF/6X5R/6.3V/K

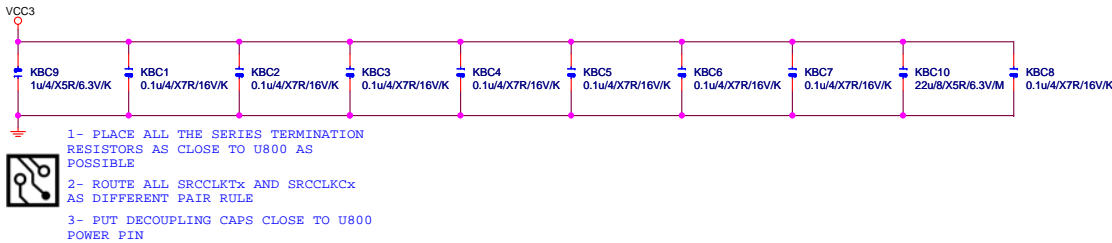
ABC1  
0.22uF/6X7R/16V/K

ABC2  
3.3nF/4X7R/50V/K





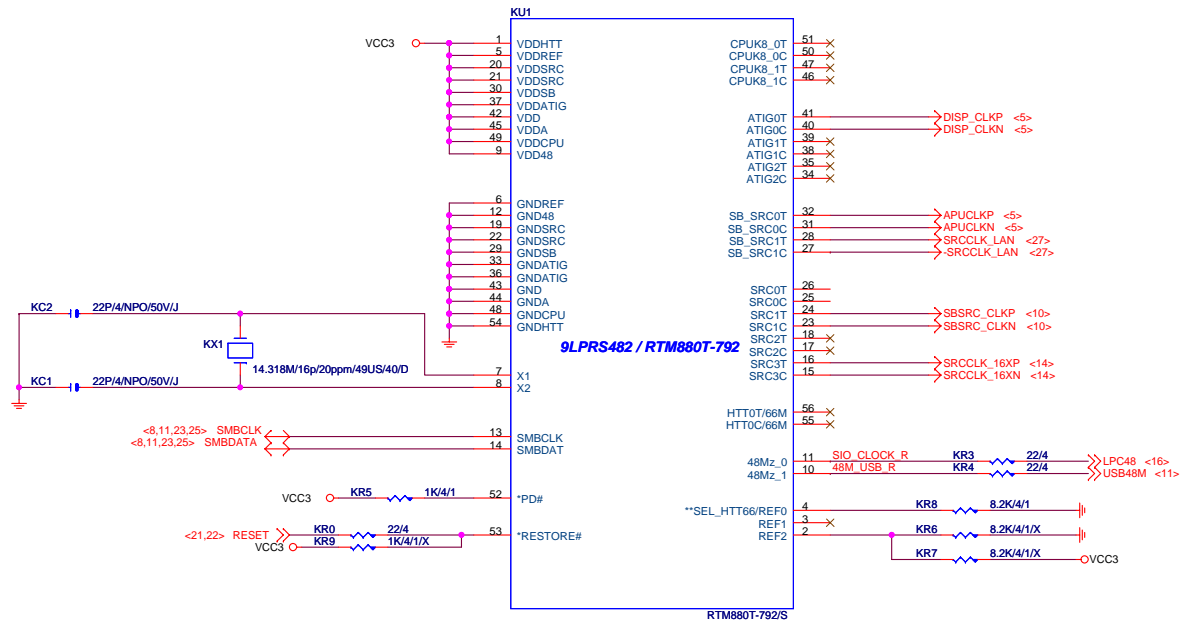




NB CLOCK INPUT TABLE

NB CLOCKS	RS740	RX780	RS780	
HT_REFCLKP	66M SE(SE)	100M DIFF	100M DIFF	
HT_REFCLKN	NC	100M DIFF	100M DIFF	
REFCLK_P	14M SE (3.3V)	14M SE (1.8V)	14M SE (1.1V)	100M DIFF
REFCLK_N	NC	NC	vref	100M DIFF
GFX_REFCLK*	100M DIFF	100M DIFF	100M DIFF	100M DIFF
GPP_REFCLK	NC	100M DIFF	100M DIFF(OUT)	
GPPSB_REFCLK	100M DIFF	100M DIFF	100M DIFF	

\* the GFX\_REFCLK input is required for all cases



watch dog --  
RESTORE# 按 RESET

REF0/SEL_HTT66	HTT CLOCK
0	100.00 DIFFERENTIAL
1	66.66 SINGLE END

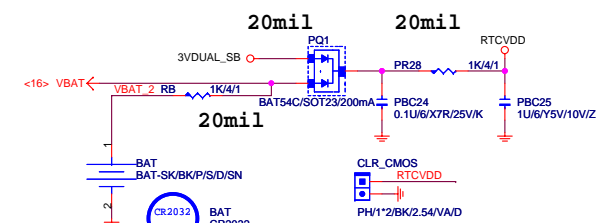
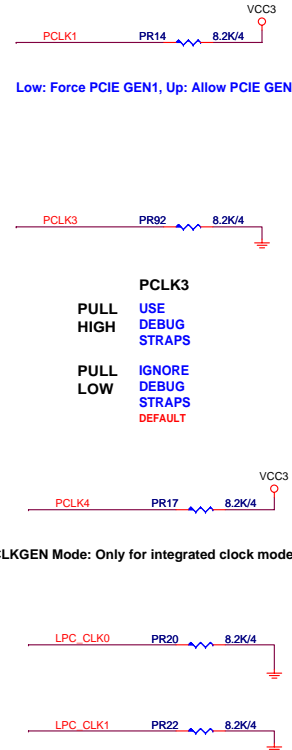
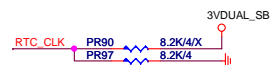
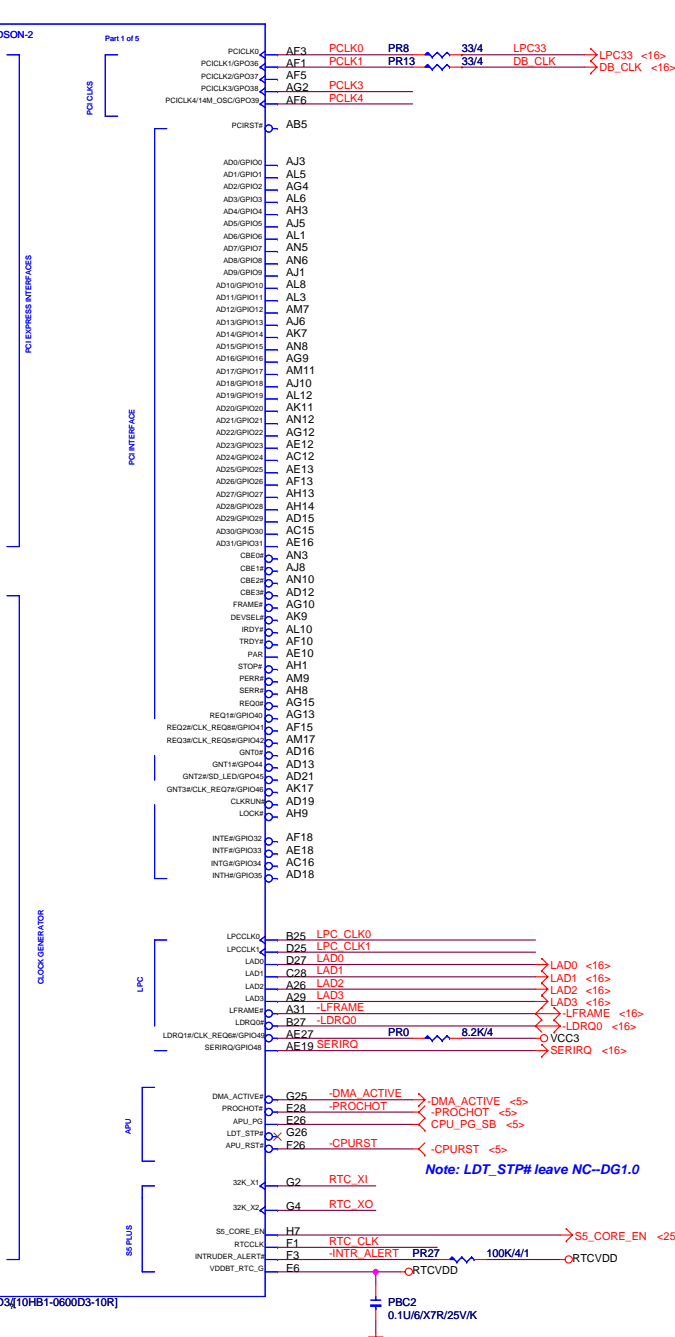
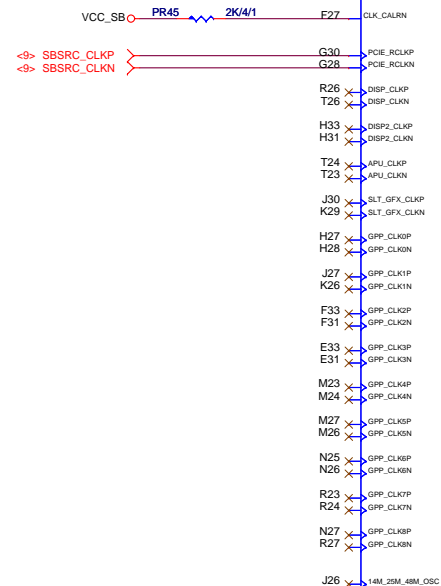
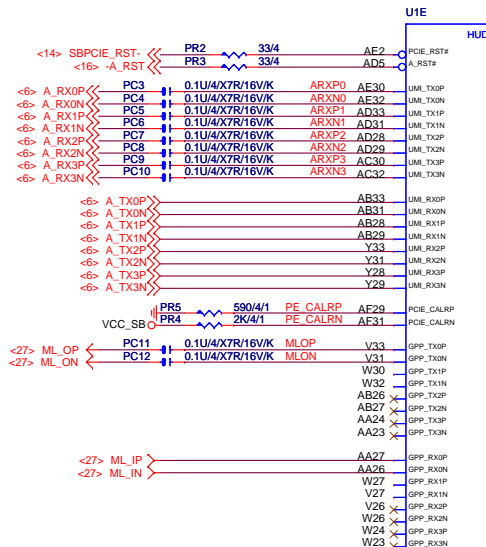
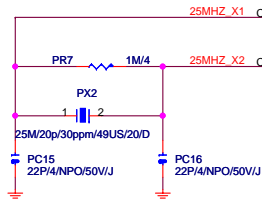
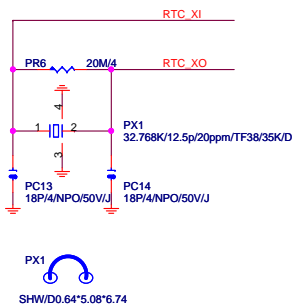
REF1/SEL_SATA	SRC6/SATA
0	100.00 DIFFERENTIAL SPREADING SRC CLOCK
1	100.00 NON-SPREADING DIFFERENTIAL SATA CLOCK

GIGABYTE™		
Title		
RTM880T-792		
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A diagram showing a square loop of wire in a magnetic field. The magnetic field is represented by a thick black horizontal bar at the top, labeled  $\vec{B}$ . The loop is oriented such that its top side is parallel to the magnetic field. A coordinate system is shown with the  $x$ -axis pointing upwards and the  $z$ -axis pointing to the right. The top-left corner of the loop is labeled  $SB\_HS$  and the bottom-right corner is labeled  $CN$ . A current  $i$  flows out of the page at the  $SB\_HS$  corner and into the page at the  $CN$  corner, as indicated by the arrows on the wires.

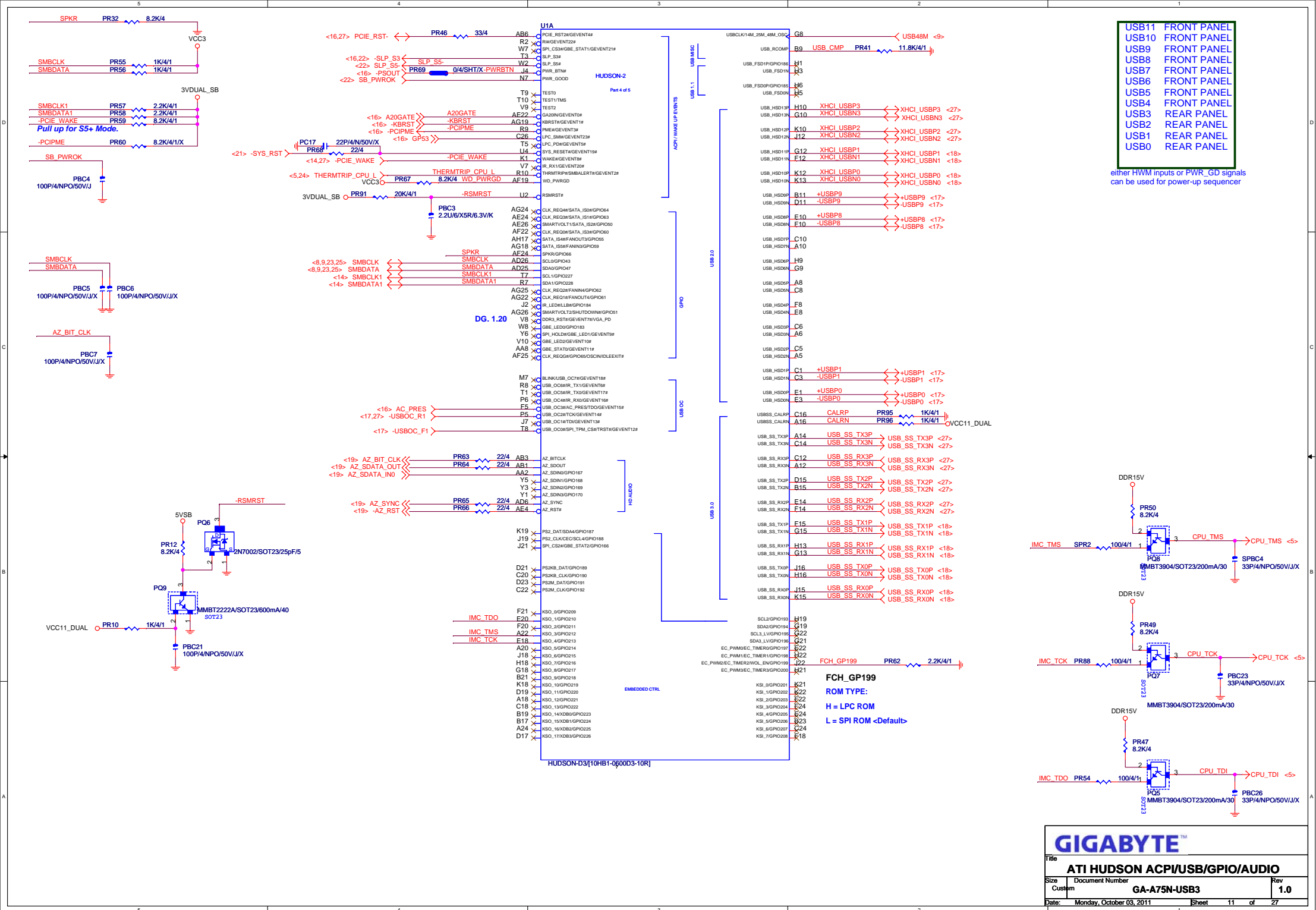
SB\_HS[12SP2-030005-41R\_12SP2-030005-42R\_12SP2-030005-43R]



CLR_CMOS	
SHORT	CLEAR CMOS
OPEN	NORMAL

**NOT ADD ICT FOR RTCVDD PIN**

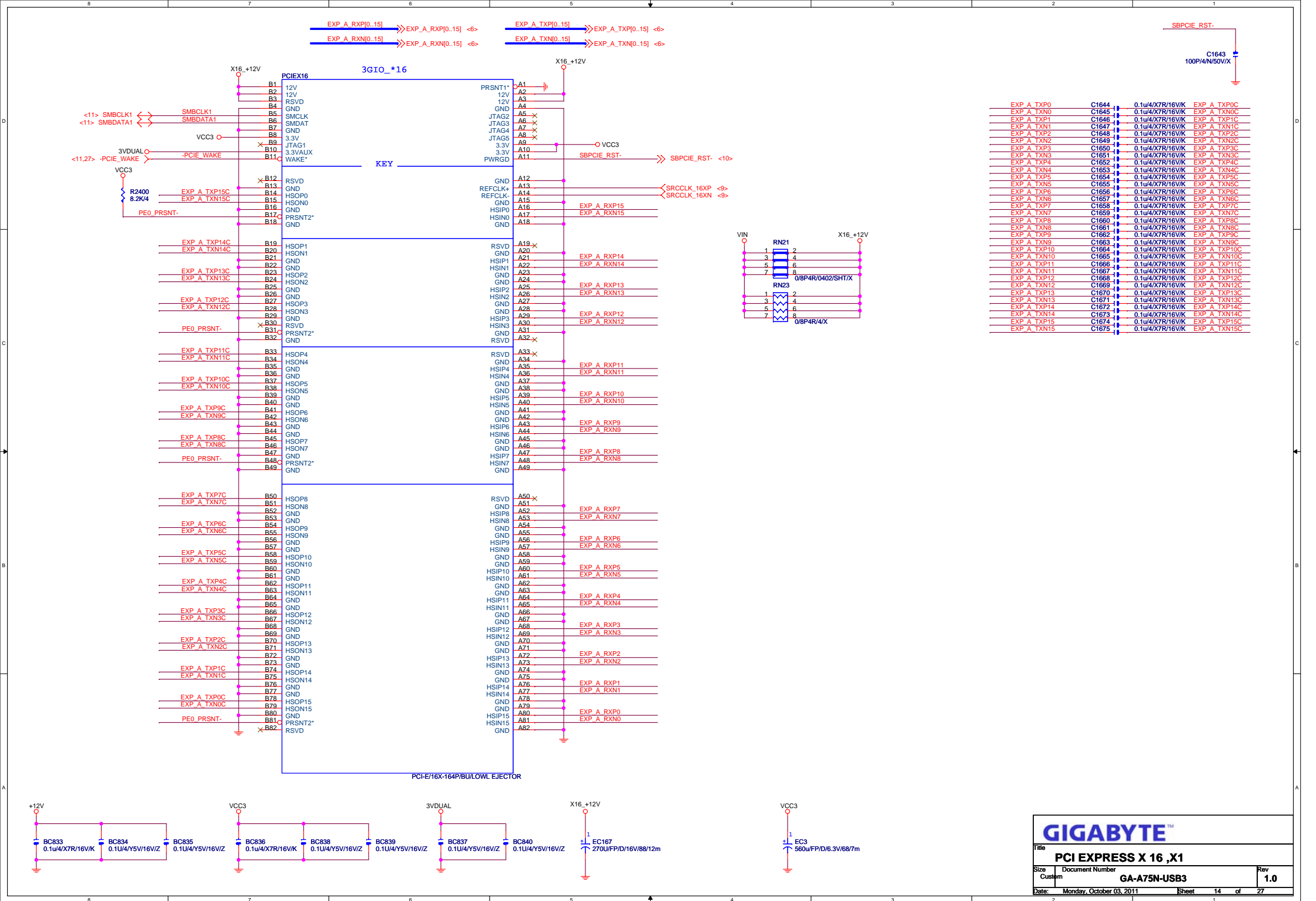
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Title: <b>ATI HUDSON PCIE/PCI/CPU/LPC</b>			
Size: Custom	Document Number: <b>GA-A75N-USB3</b>		Rev: <b>1.0</b>
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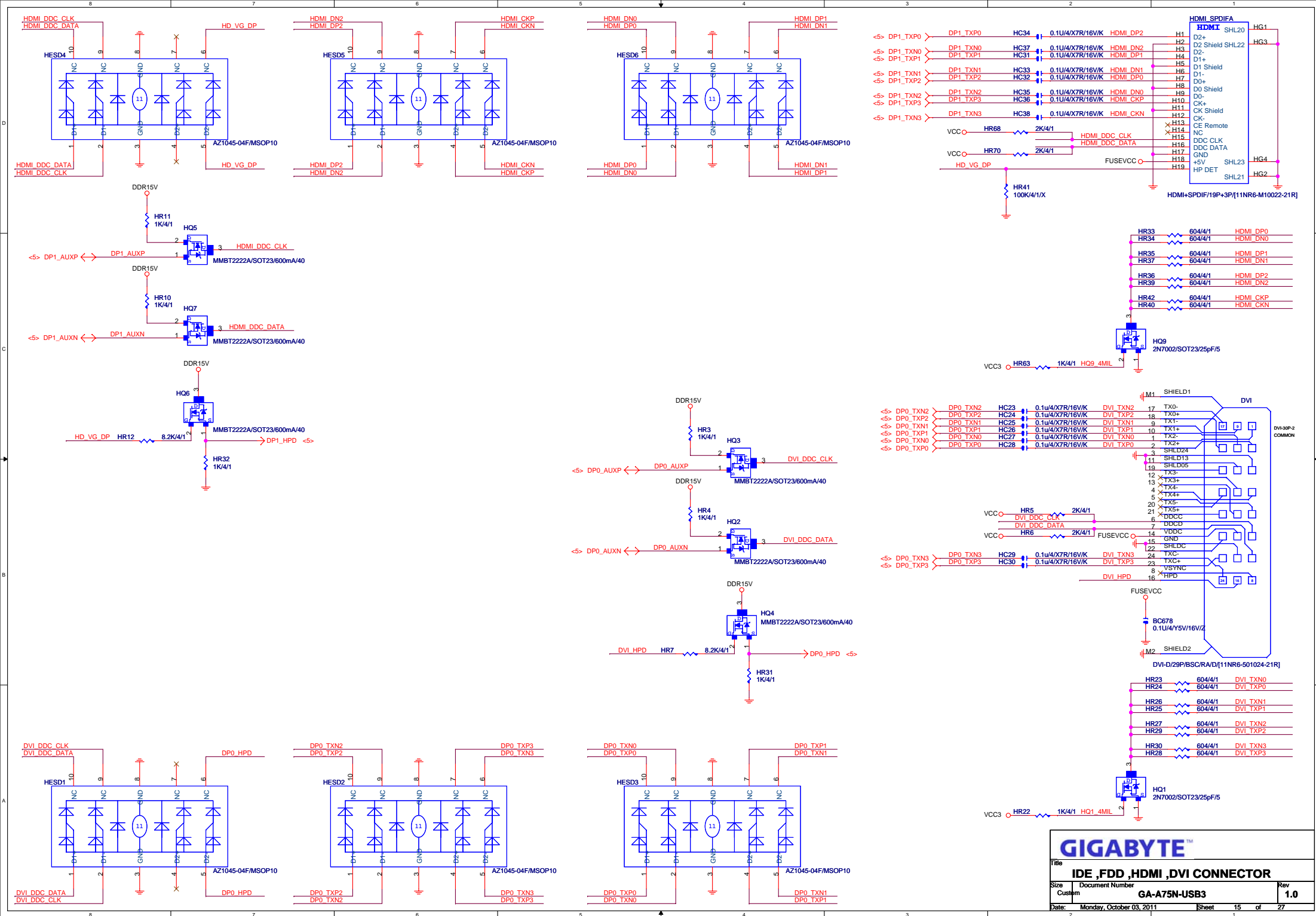


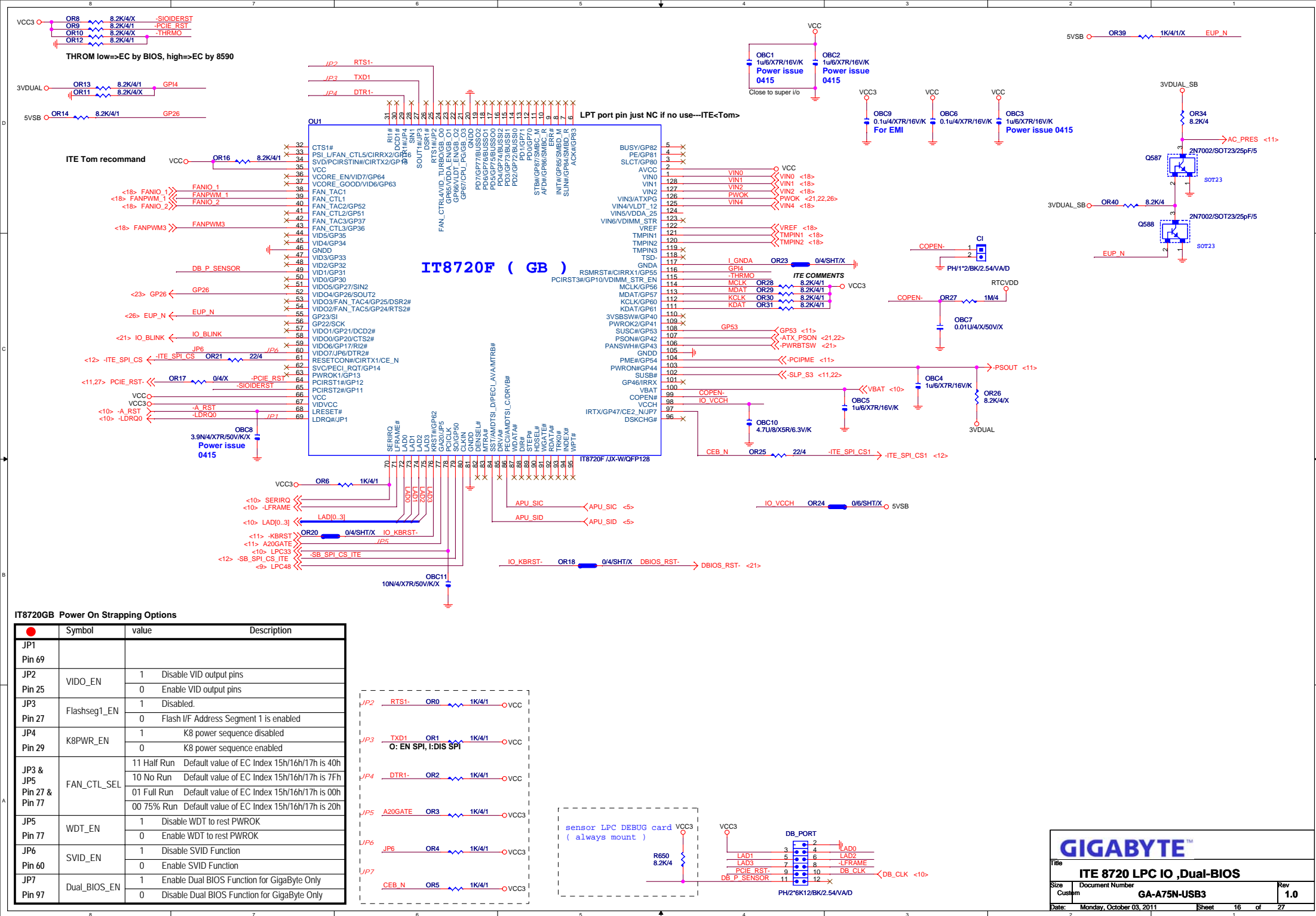


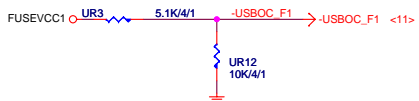
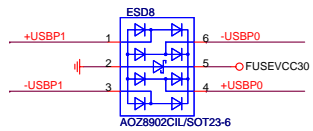
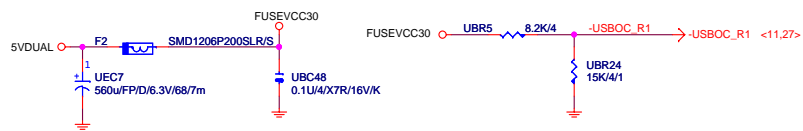
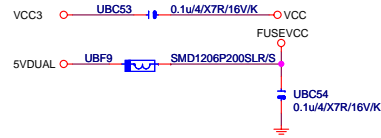
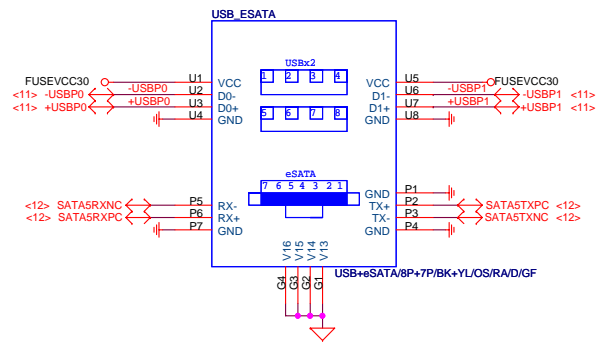




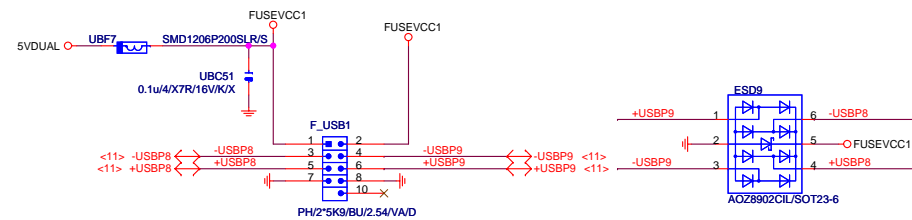




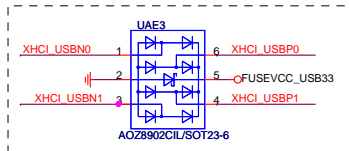
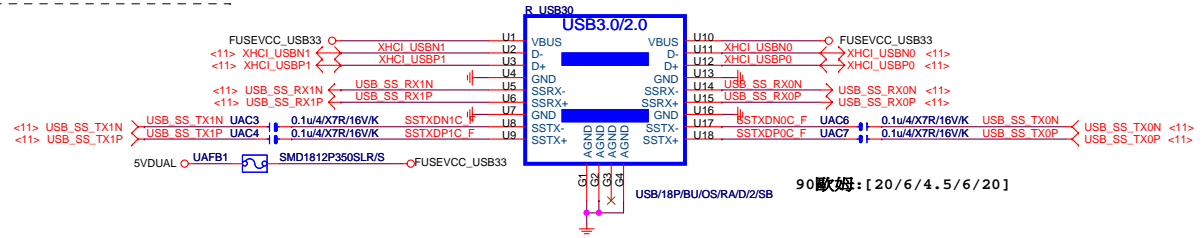
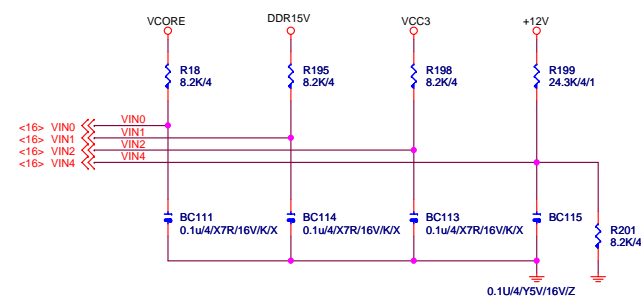
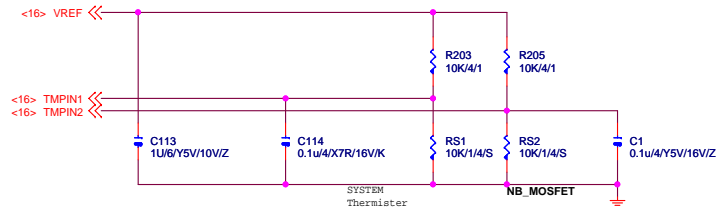




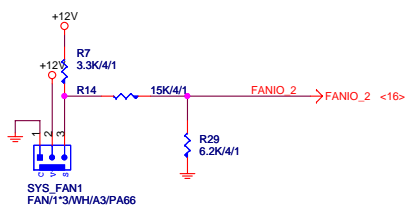
## FRONT SIDE USB1



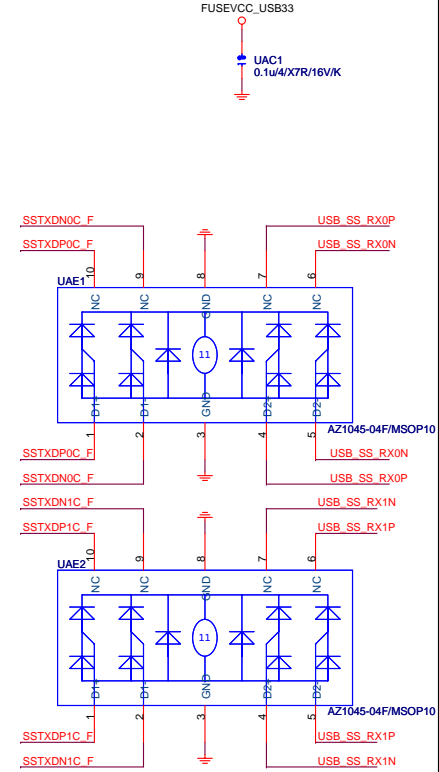
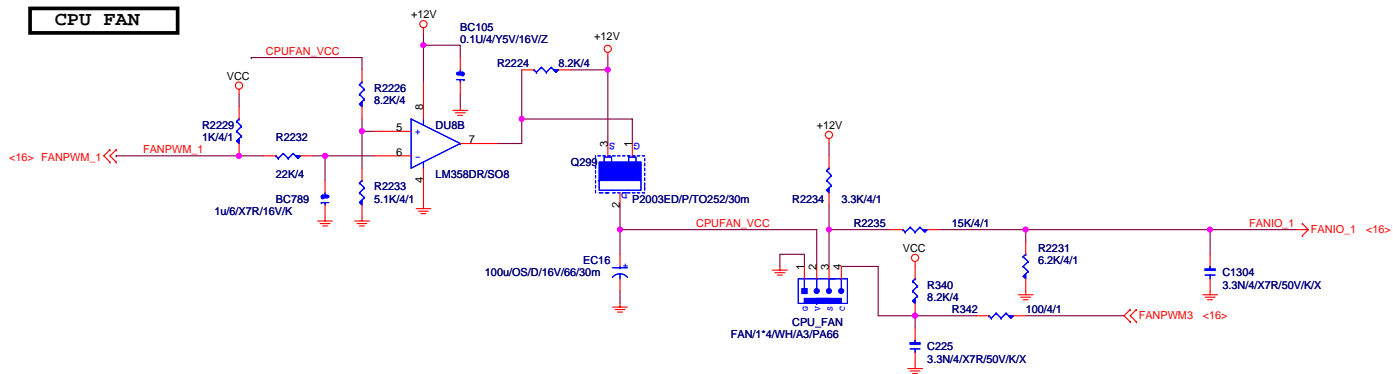
Hardware Monitor circuits



SYSTEM FAN



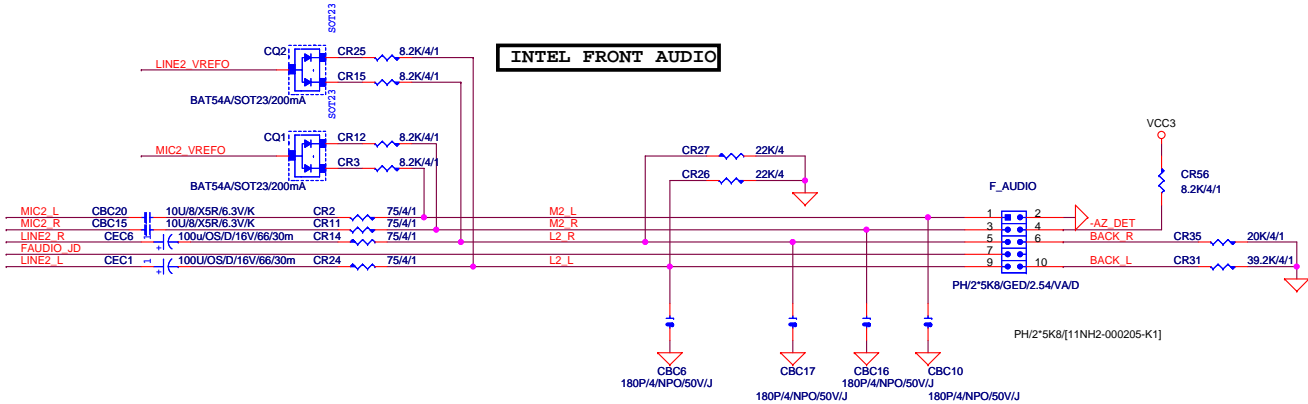
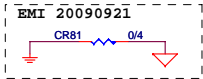
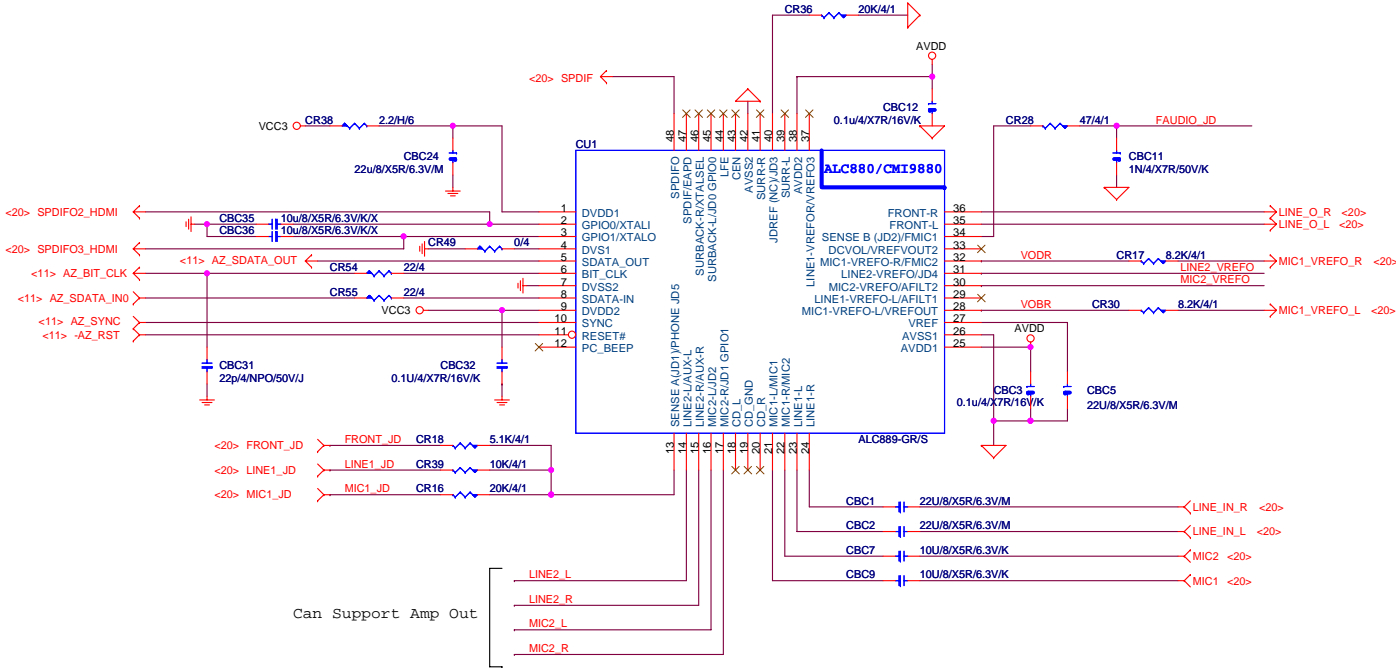
CPU FAN





**AZALIA CODEC**    **ALC892/ALC889/ Colay**

	ALC892R	ALC889	ALC889A
CR16	X	X	O
CR24	X	X	O
CR25	X	O	O
CBC42	10uF/X5R	X	X
CR2	20K/1%	20K/1%	20K/0.1%
CR9	O	O	X
CR10	X	X	O
CBC10/CBC11/CBC12/ CBC13/CBC44/CBC45	4.7uF /X5R	10uF /X5R	4.7uF /X5R
CR4/CR8/CR18/CR23/ CR11/CR12/CR27/CR29/ CR49/CR50/CR43/CR44/ CR45/CR48/CR59/CR60	75 ohm	66 ohm or lower	75 ohm



Title

ALC889 CODEC

Size

Custom

Date

Monday, October 03, 2011

Document Number

GA-A75N-USB3

Rev

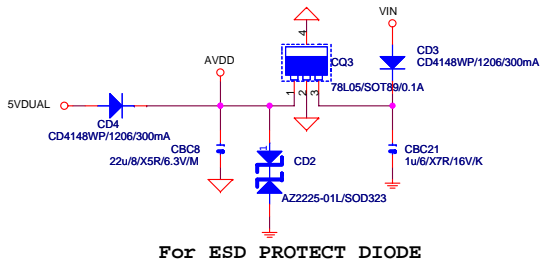
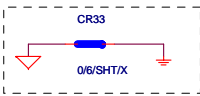
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Sheet

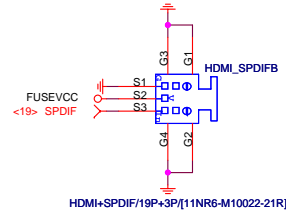
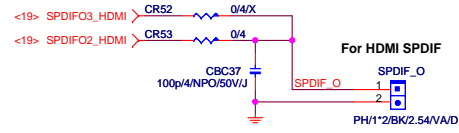
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of

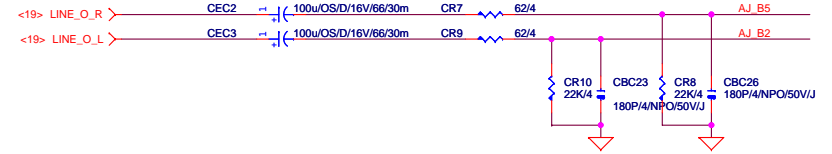
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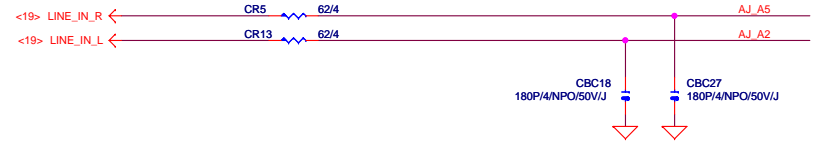
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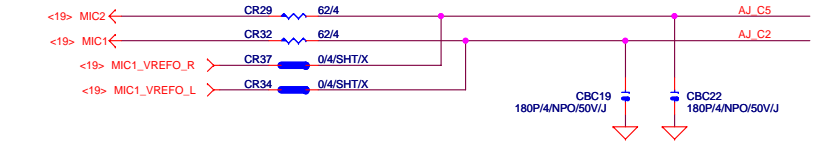
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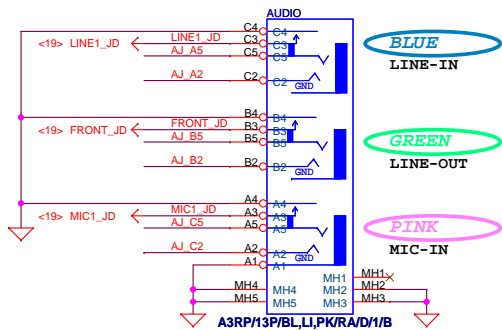
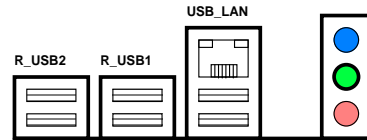
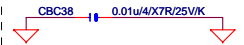
## LINE-IN



## MIC

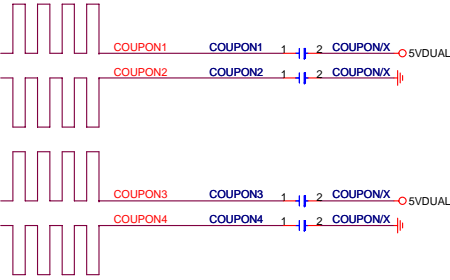
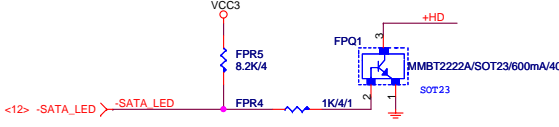
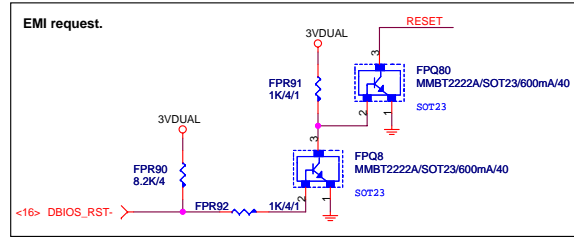
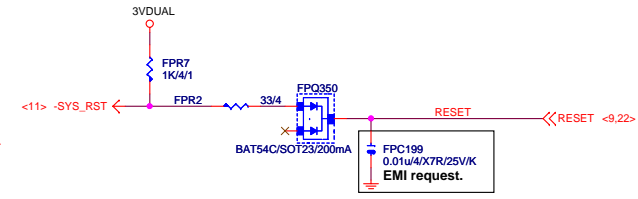
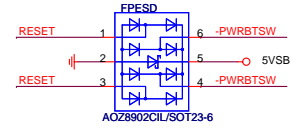
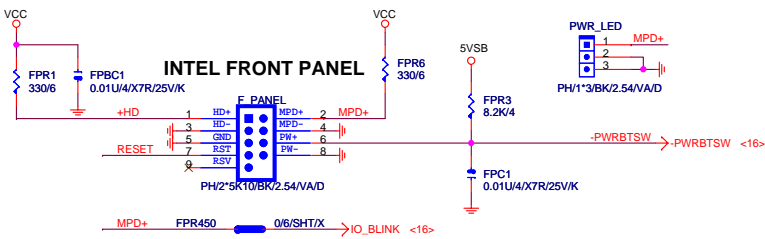


For Audio precision test

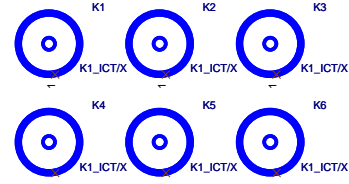
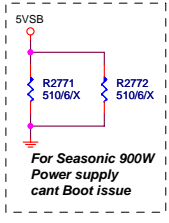
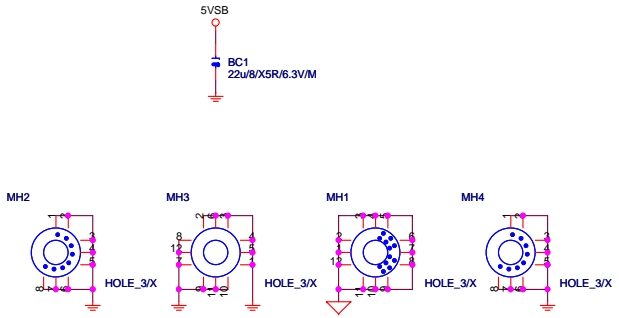
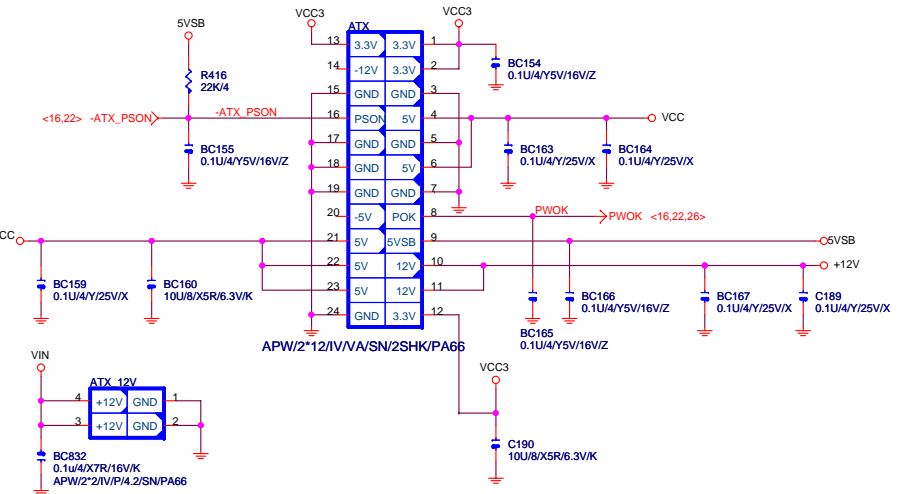


A3R3/139/B/[11NR6-403006-01\_11NR6-403006-02]  
3R3+15P/[11NR6-403004-11]

GIGABYTE™			
Title			
AUDIO JACK			
Size	Document Number	Rev	
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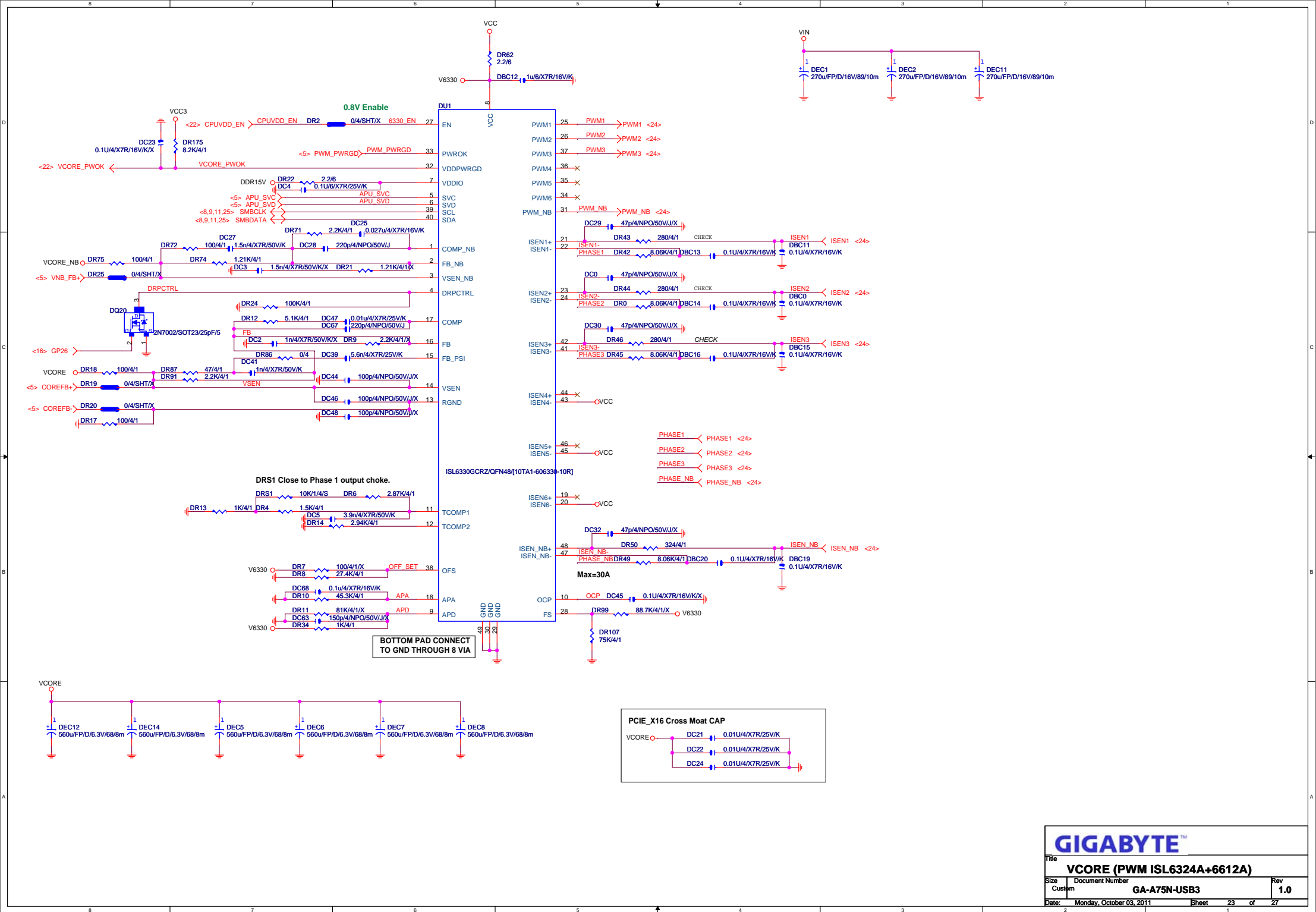


**ATX POWER CONNECTOR**



GIGABYTE™			
Title			
ATX, FRONT PANEL			
Size	Document Number	Rev	
Custom	GA-A75N-USB3	1.0	
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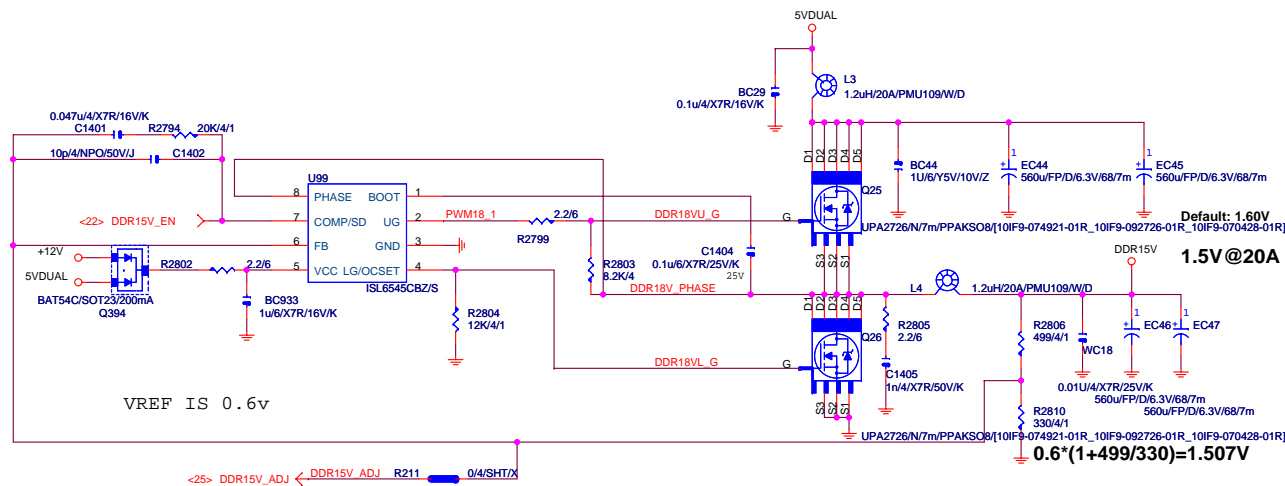
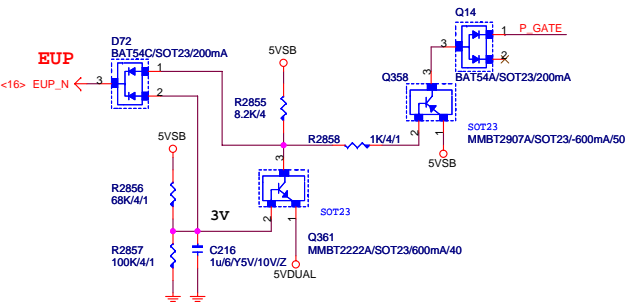
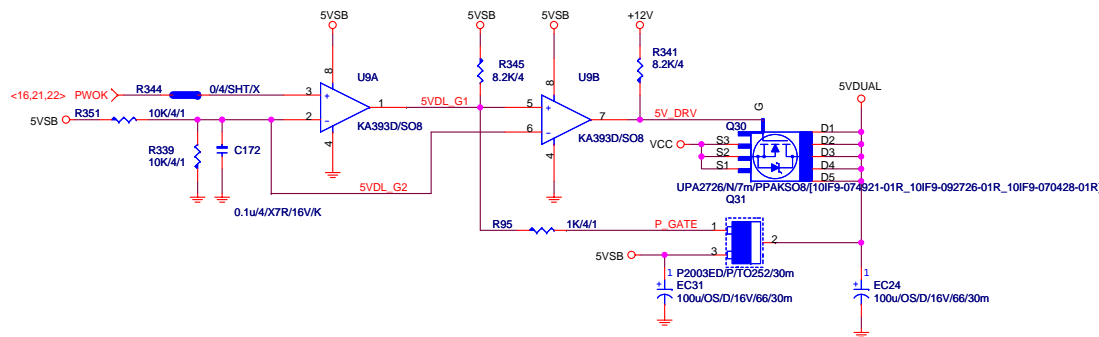




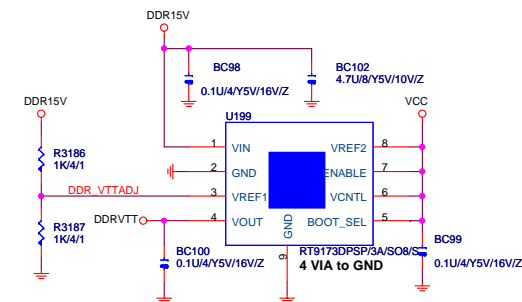
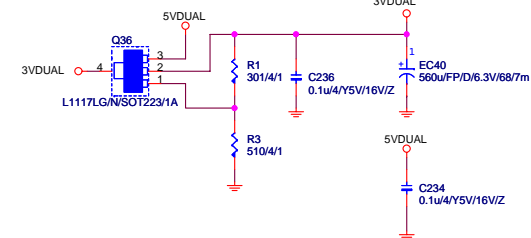




## 5VDUAL



## 3VDUAL



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Title			
<b>DDRII POWER , VCC18</b>			
Size	Document Number	Rev	
Custom	<b>GA-A75N-USB3</b>	<b>1.0</b>	
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