


GA-A75M-D2H

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[illegible]

2011.03.08--B.L

			
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COVER SHEET			
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Model Name:GA-A75M-D2H

Component value change history

Version: 1.01

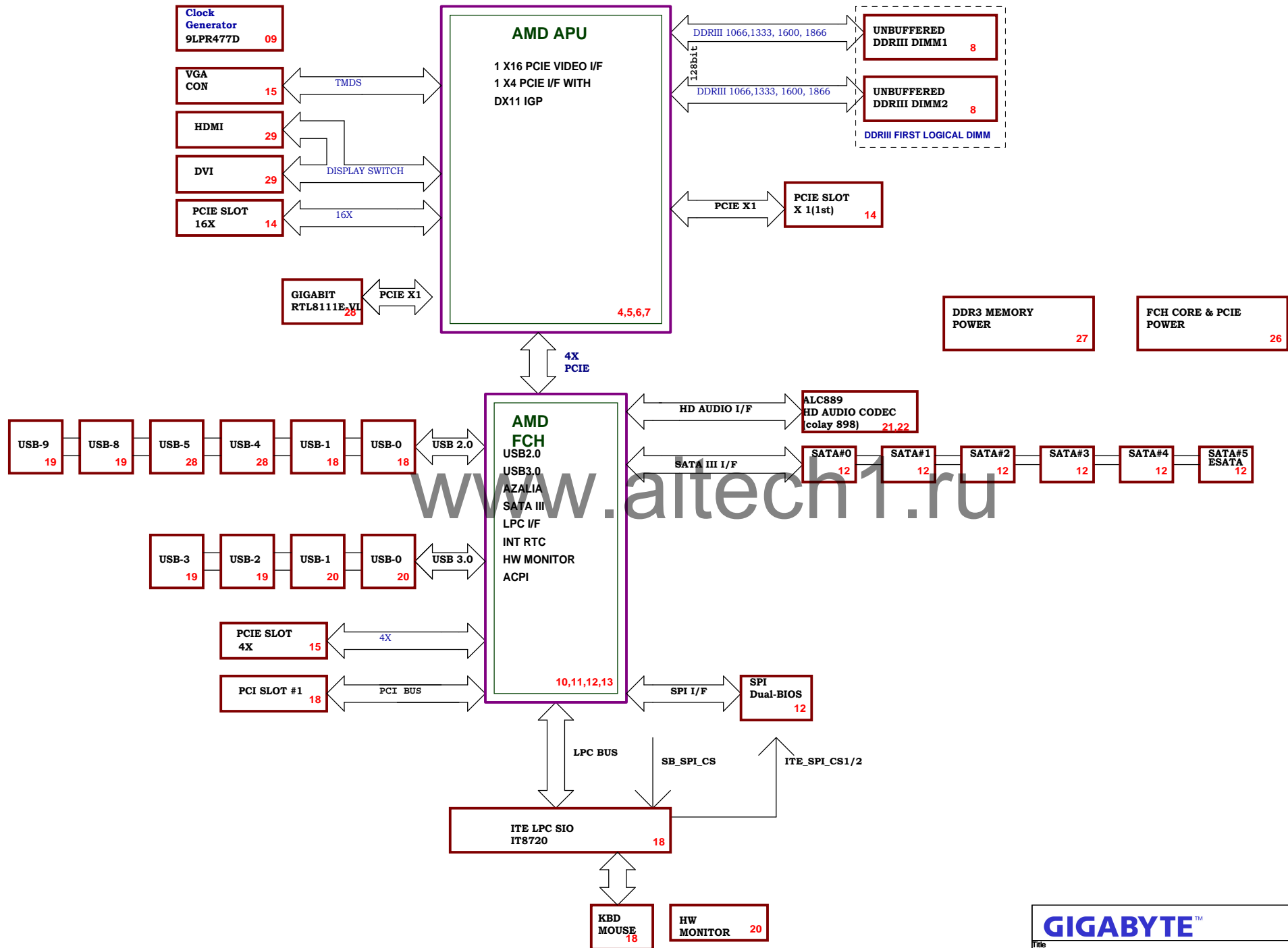
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Circuit or PCB layout change for next version

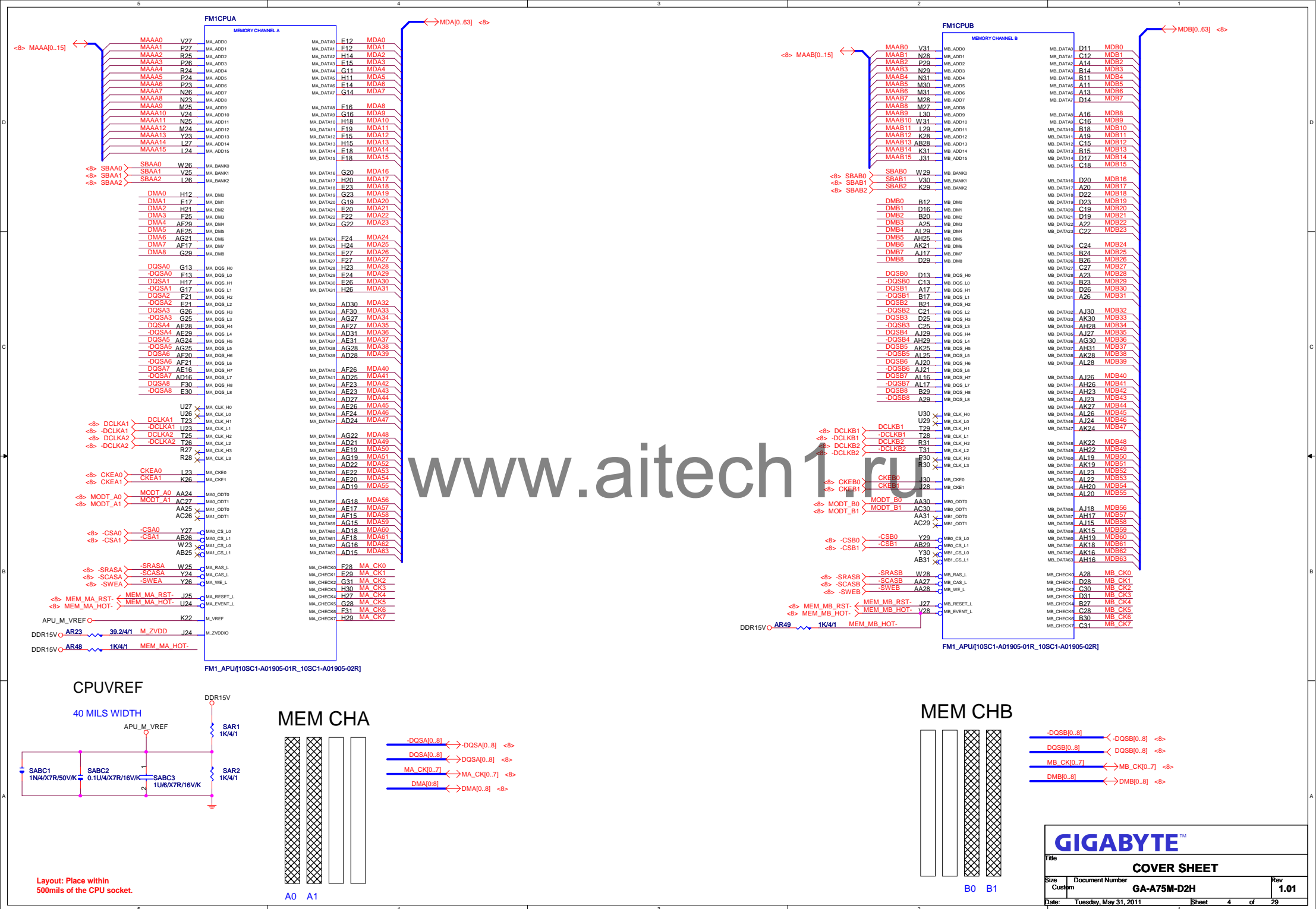
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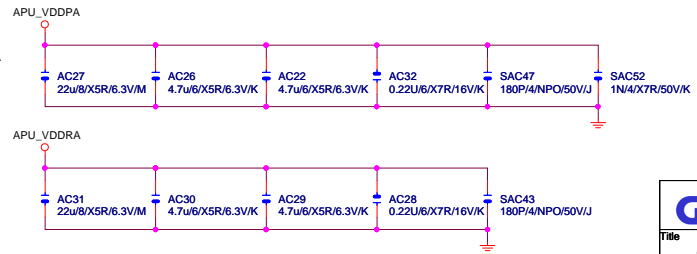
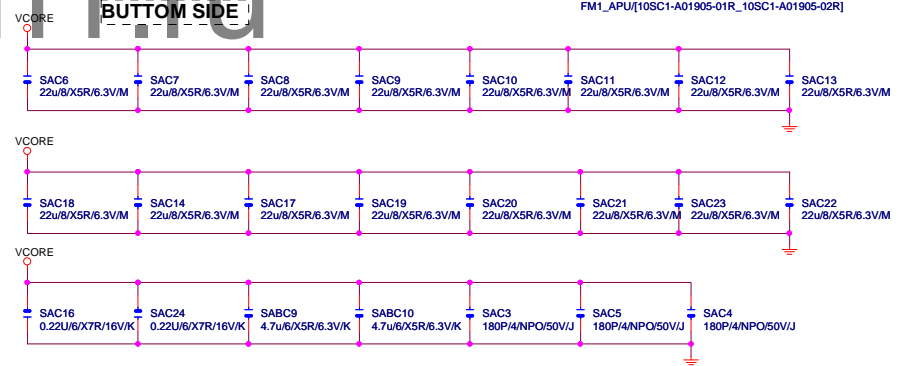
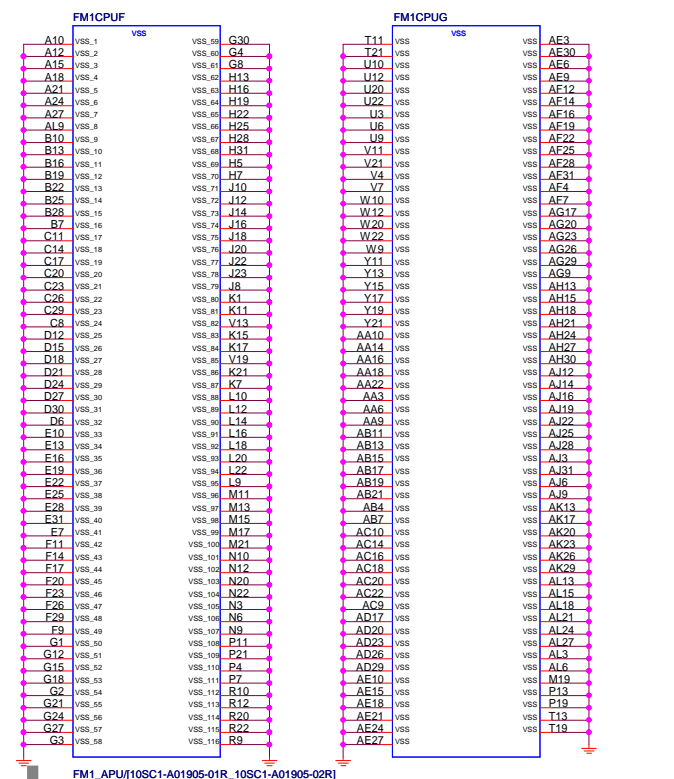
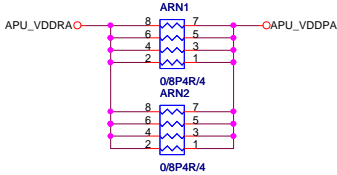
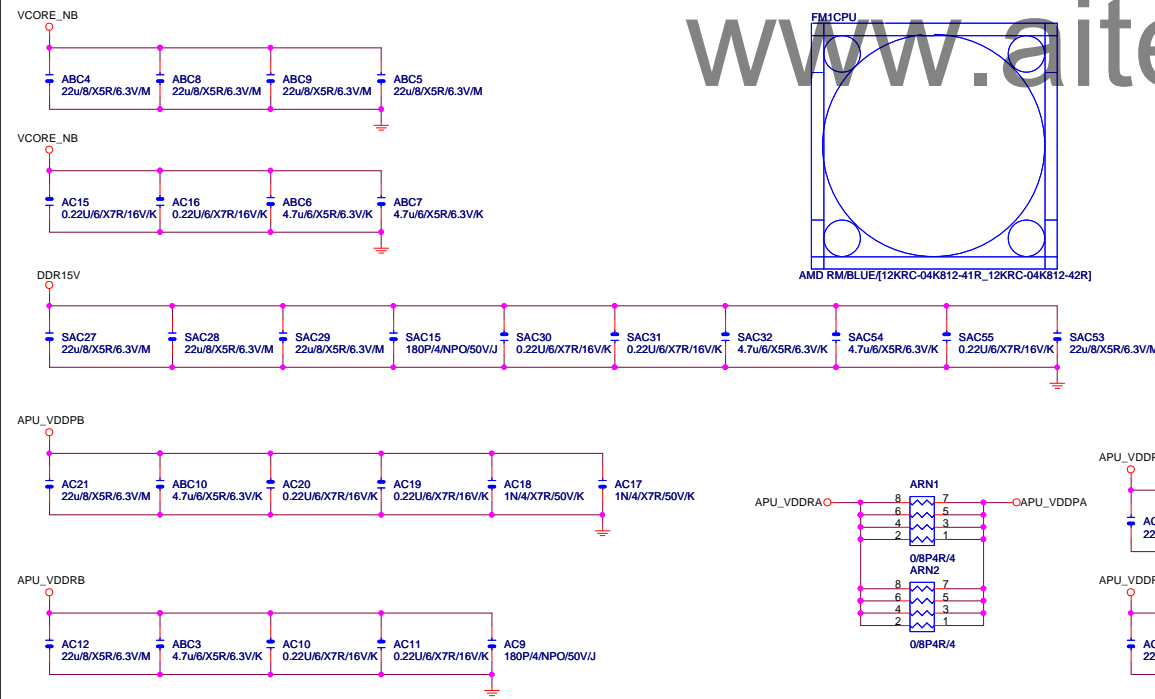
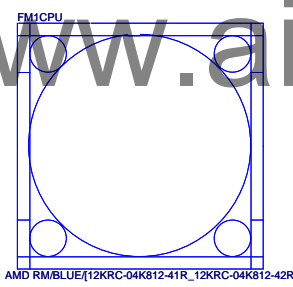
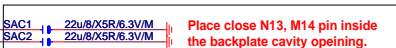
AMD Fusion D3 CUSTOMER DESKTOP REFERENCE DESIGN

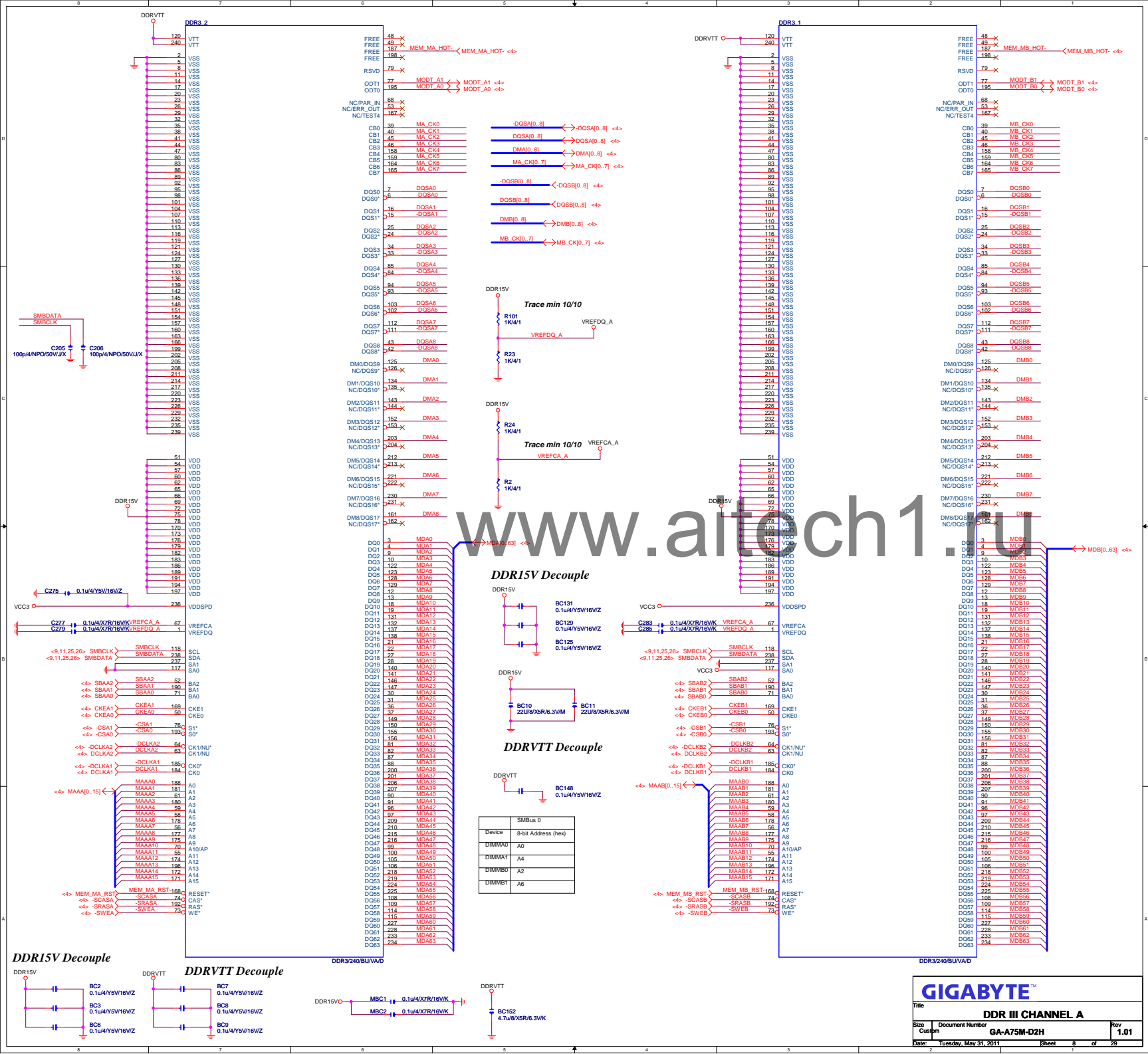


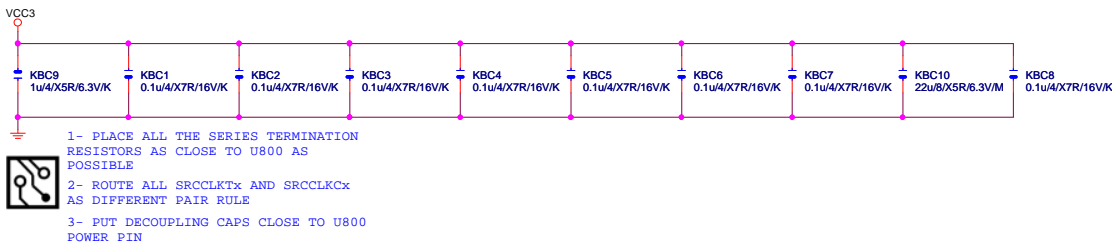
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Title			BLOCK DIAGRAM		
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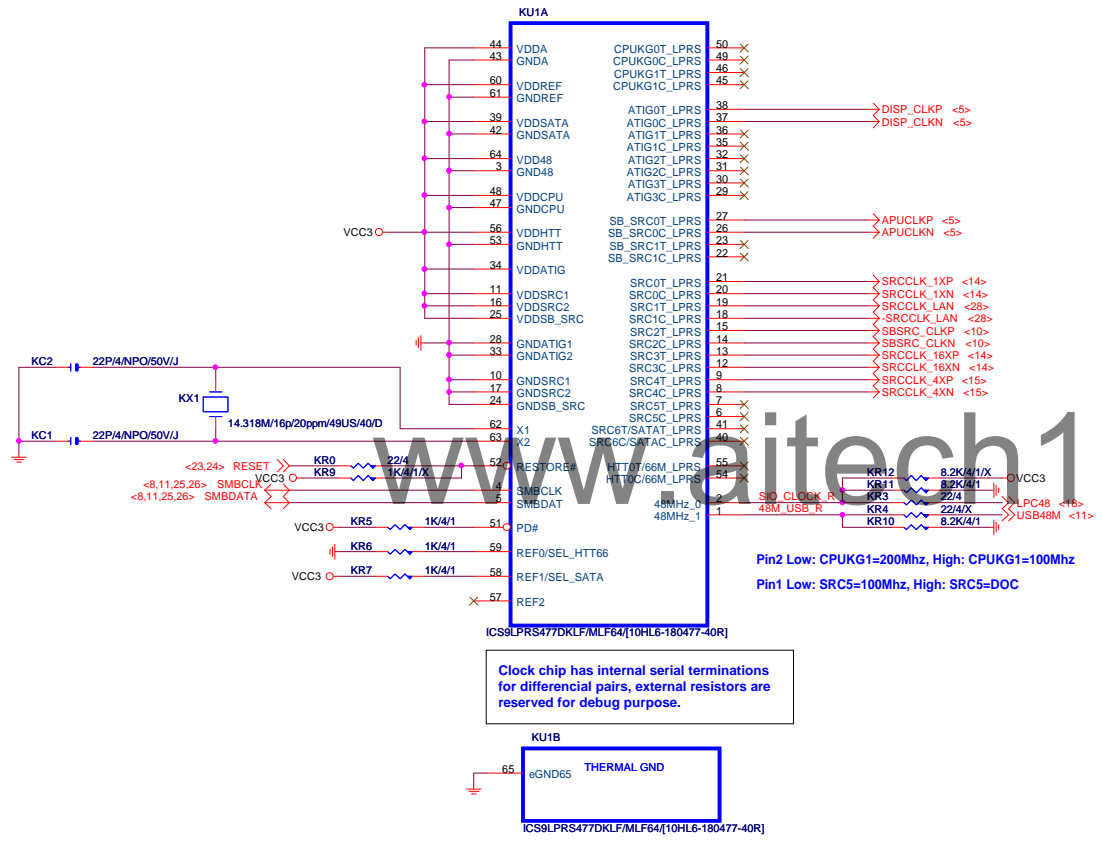




NB CLOCK INPUT TABLE

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# 接 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

	OSC_14M_NB
RS740	3.3V 33R serial
RX780	1.8V 82.5R/130R
RS780	1.1V 158R/90.9R
(Single-ended)	

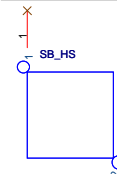
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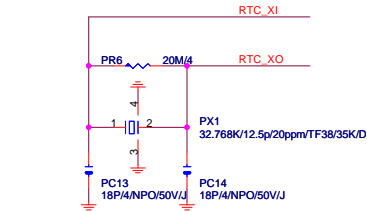


PLACE THESE PCIE AC COUPLING
CAPS CLOSE TO SB850

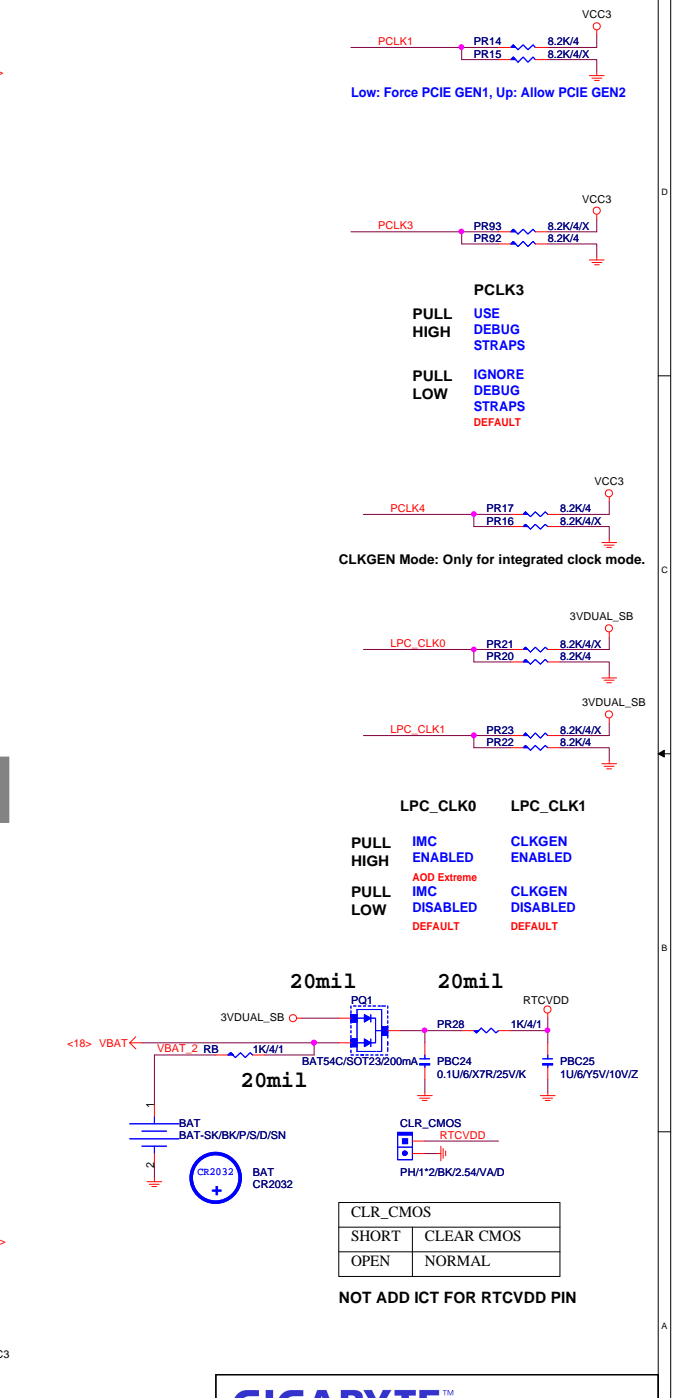
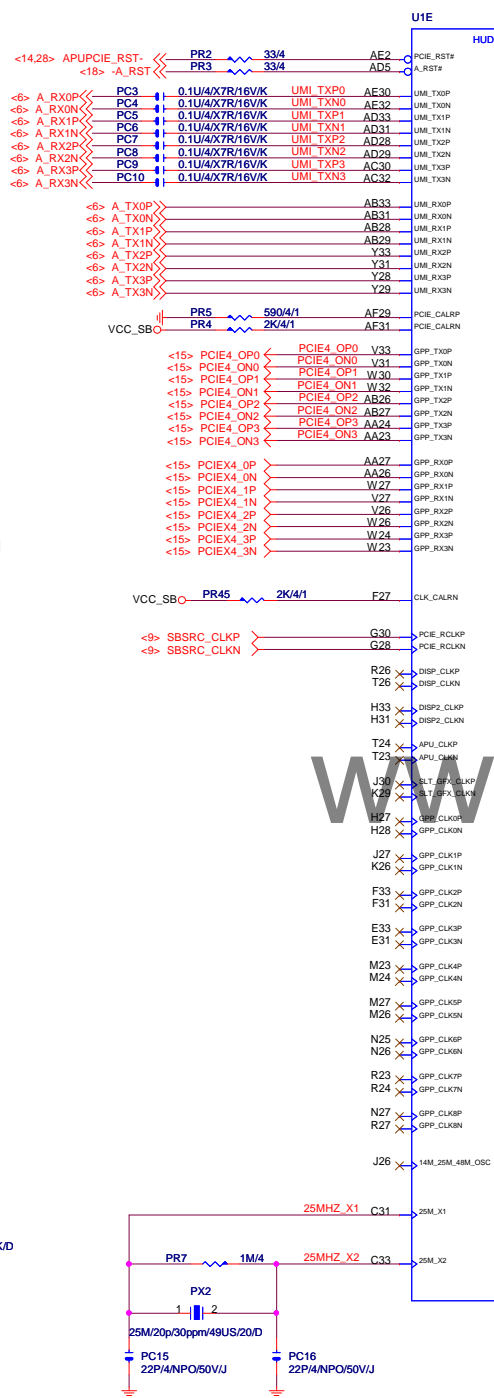
S.B HEATSINK



SB_HS[12SP2-S05110-01R_12SP2-S05110-02R_12SP2-S05110-03R]



PC13 18P4/NPO/50V/J
PC14 18P4/NPO/50V/J
PX1 32.768K/12.5p/20ppm/TF38/35K/D
SHW/D0.64*5.08*6.74



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ATI SB700 PCIE/PCI/CPU/LPC

Size Custom

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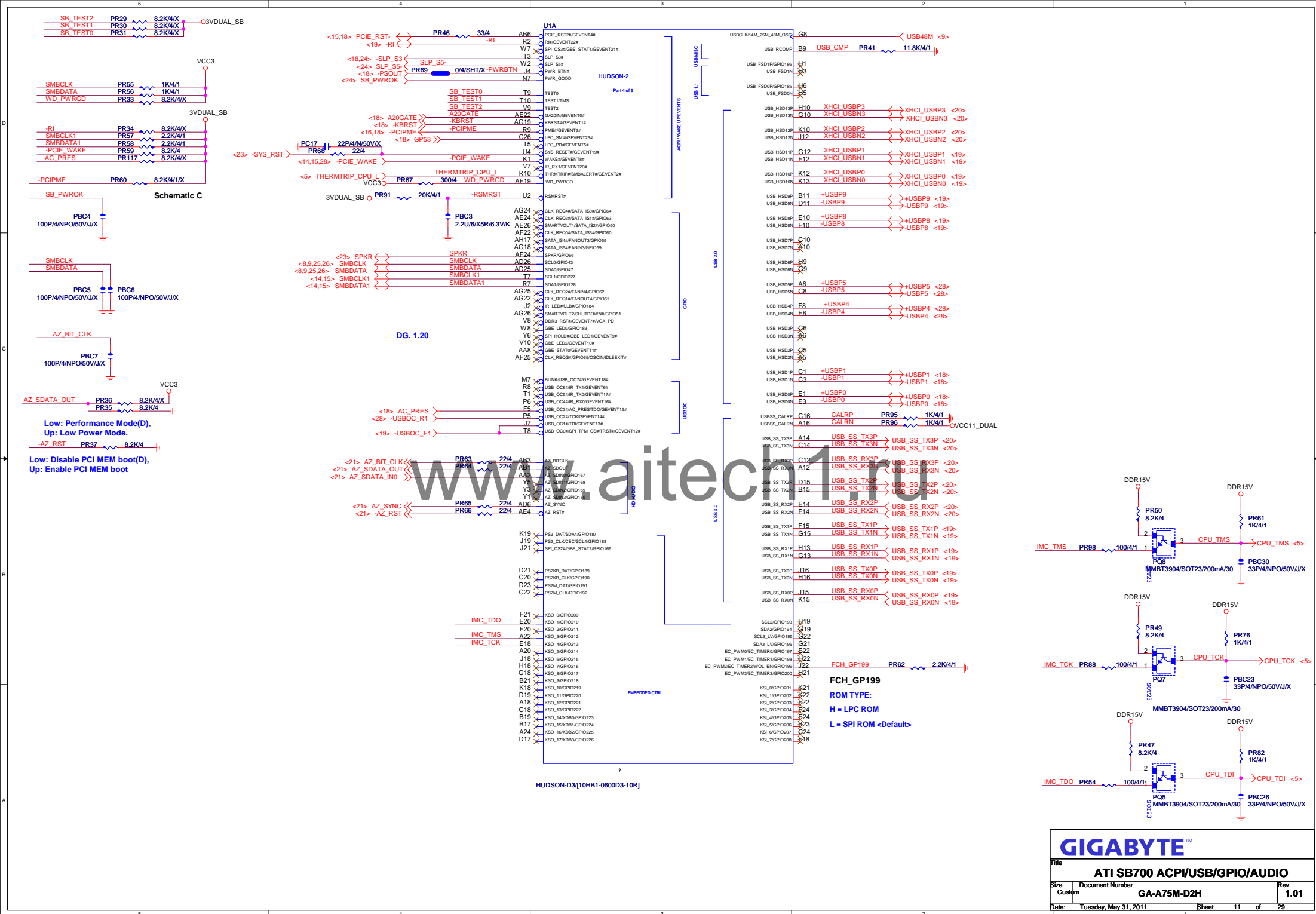
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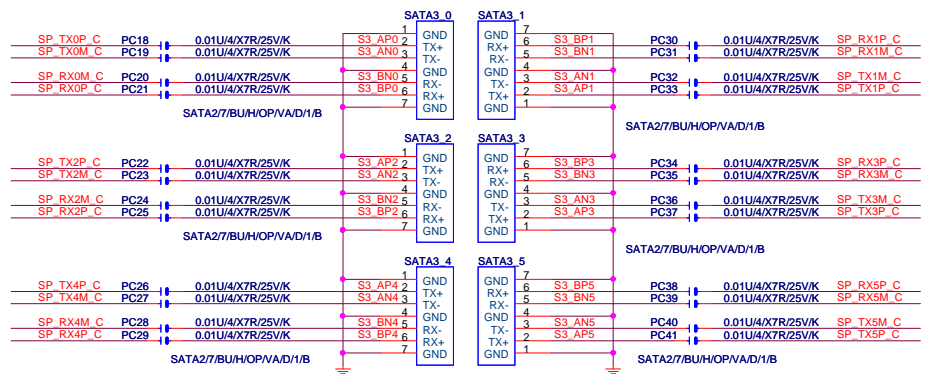
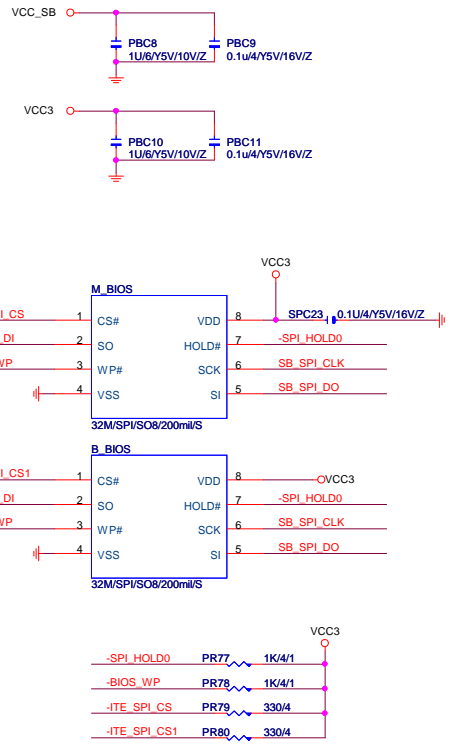
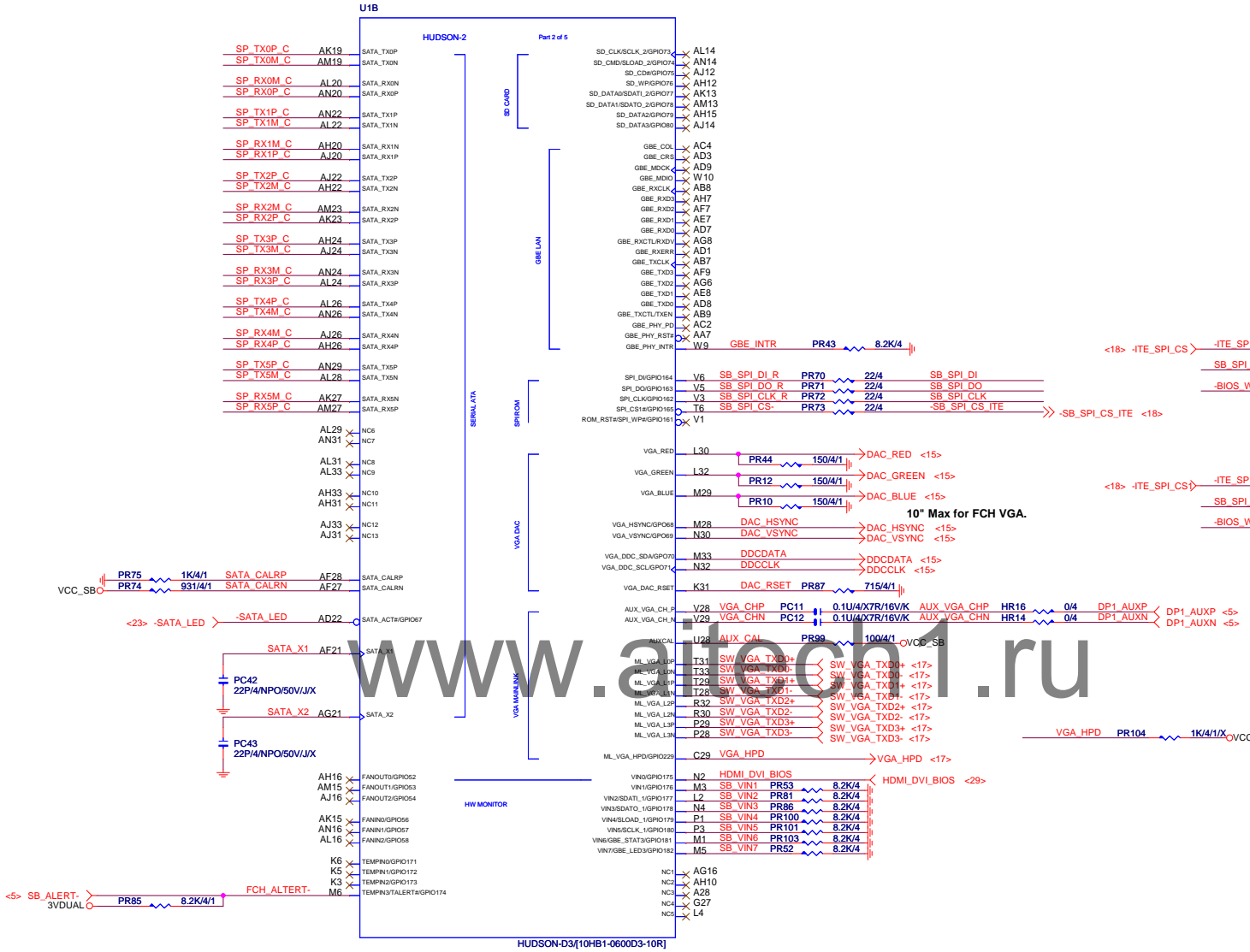
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Rev 1.01

CLR_CMOS	
SHORT	CLEAR CMOS
OPEN	NORMAL

NOT ADD ICT FOR RTCVDD PIN





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ATI SB700 SATA/DE/HWM/SPI

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Sheet

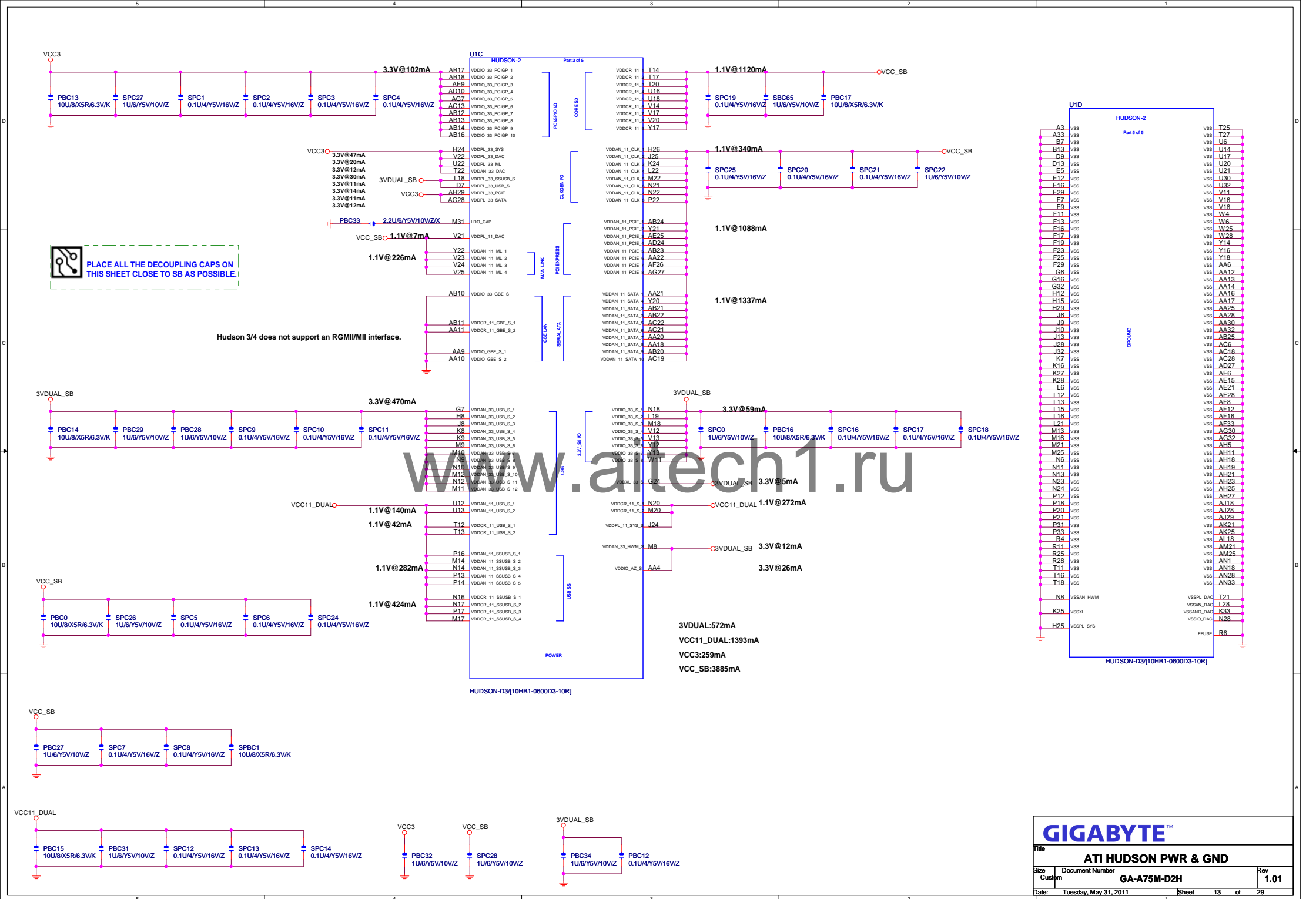
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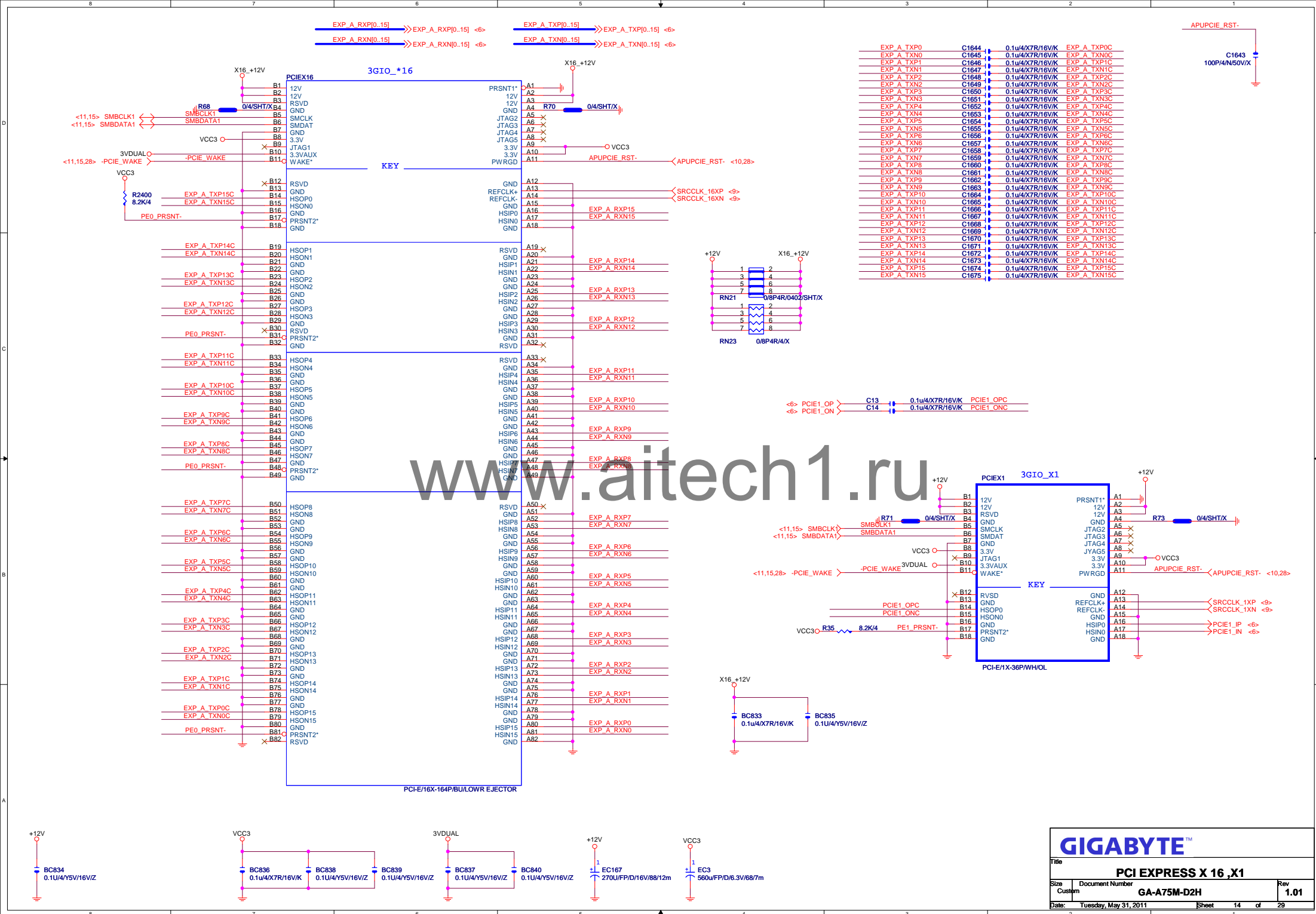
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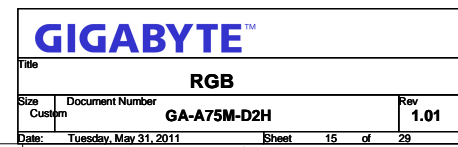
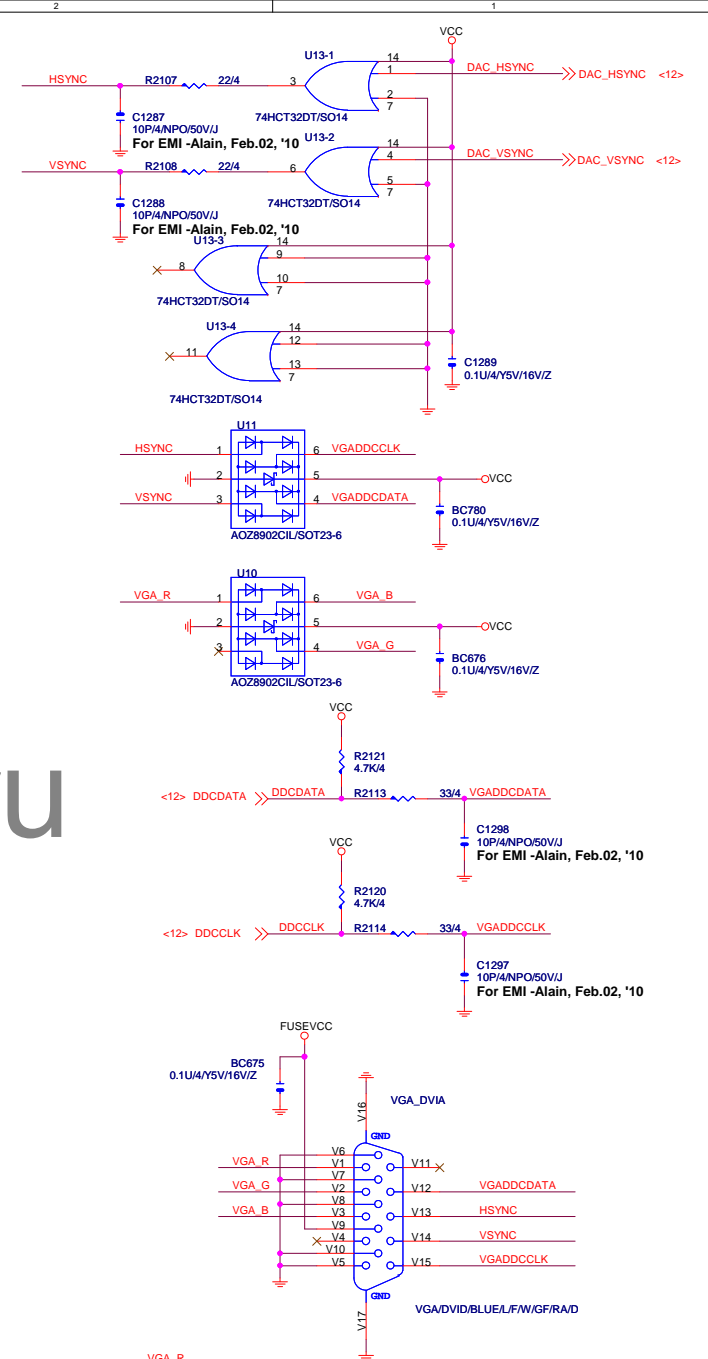
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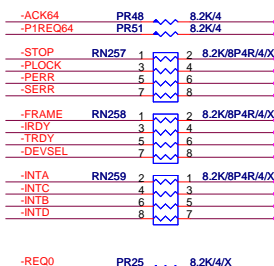
Rev

1.01

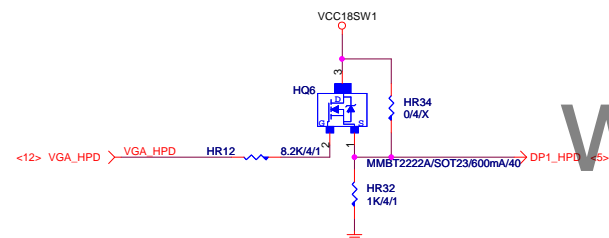
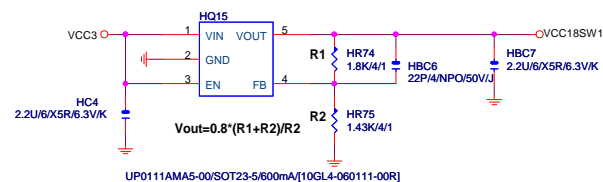
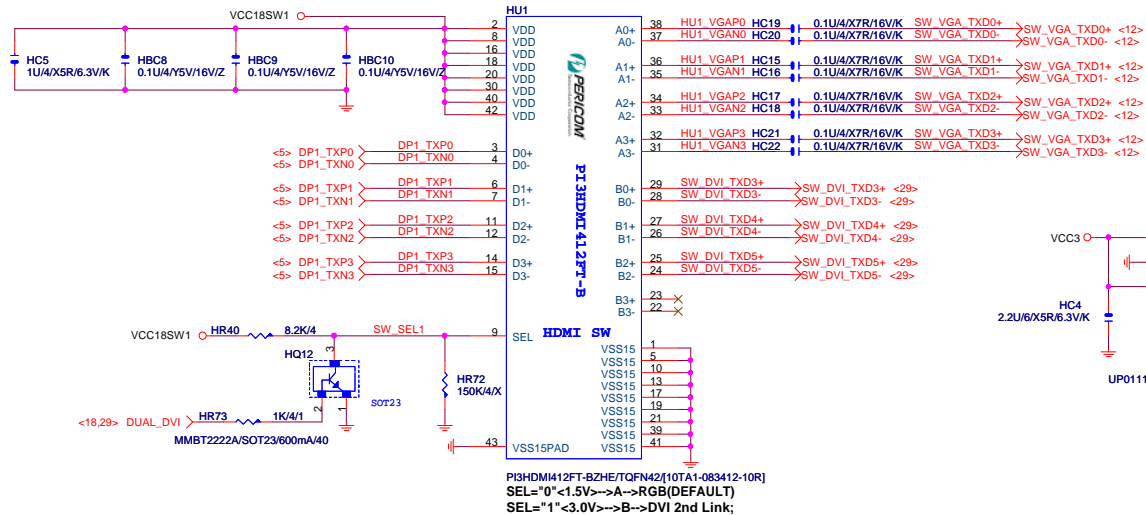






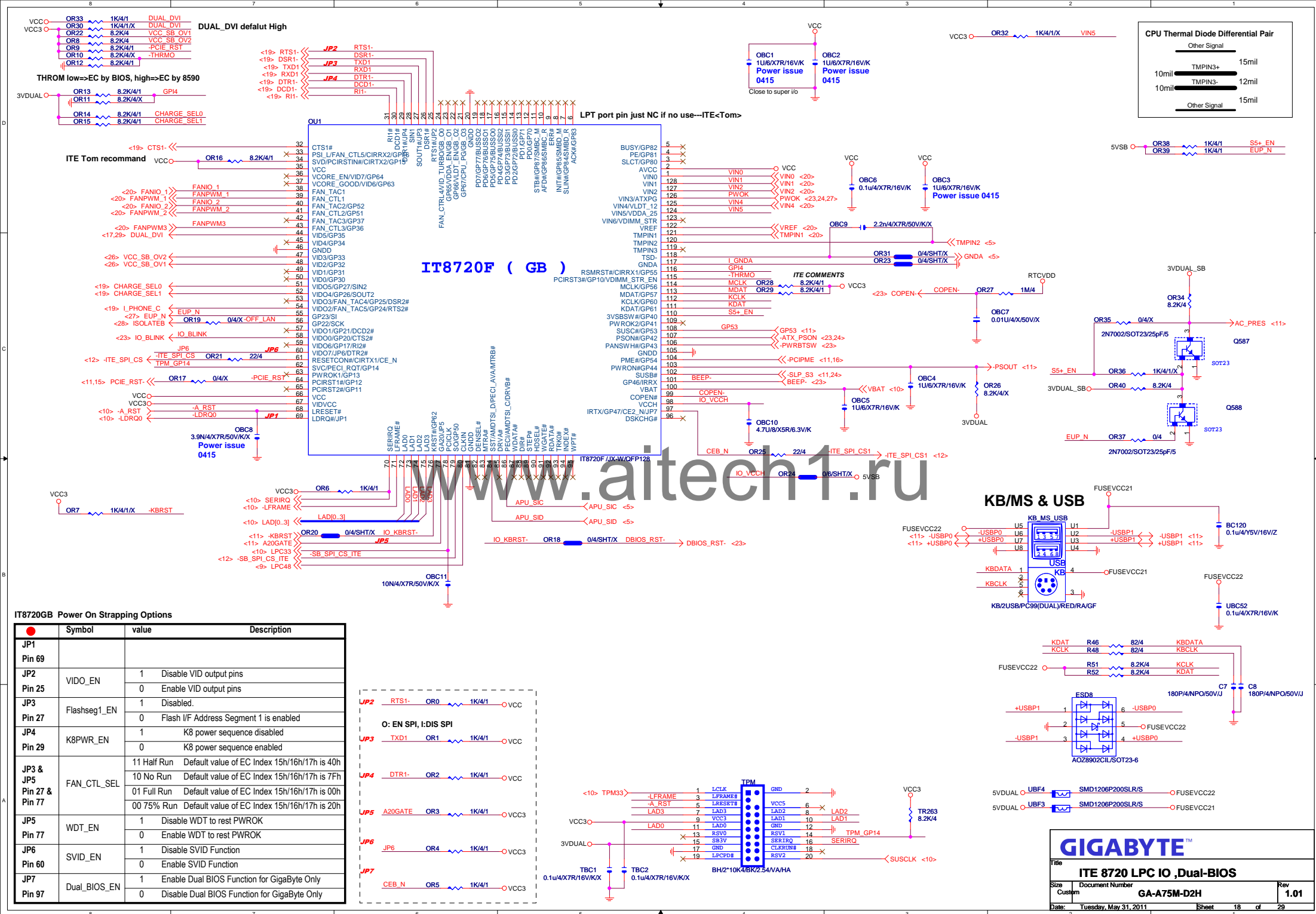


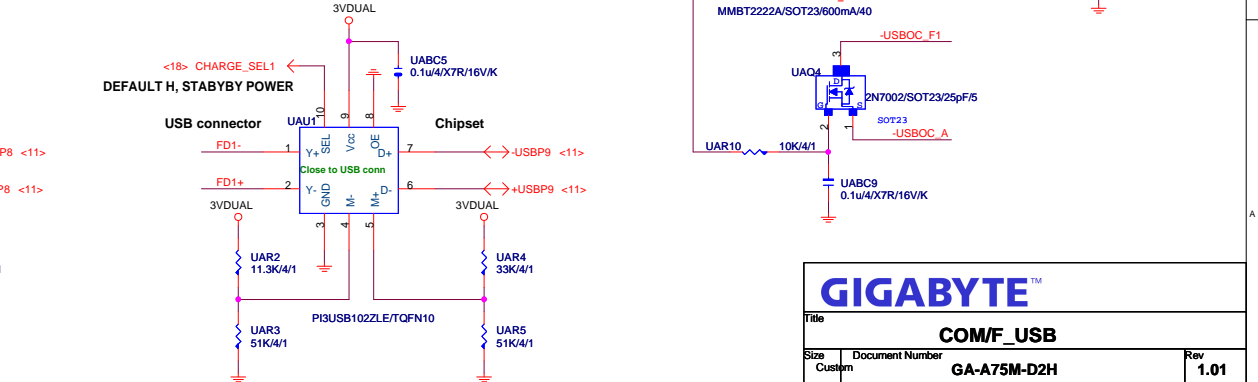
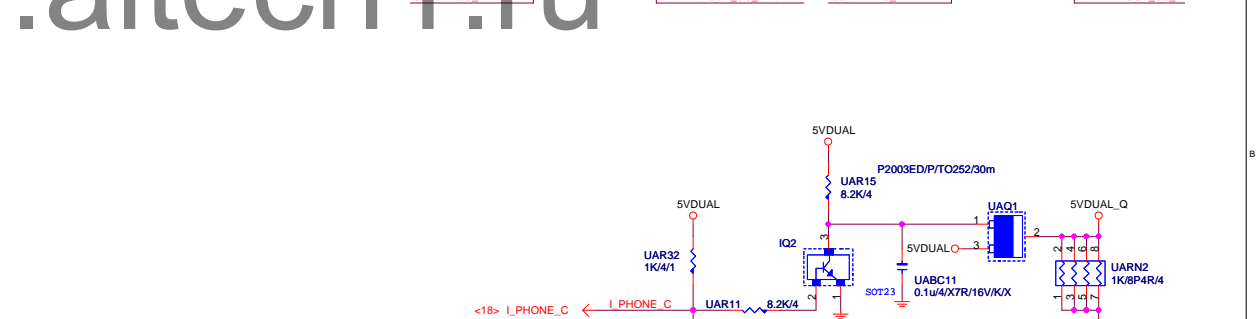
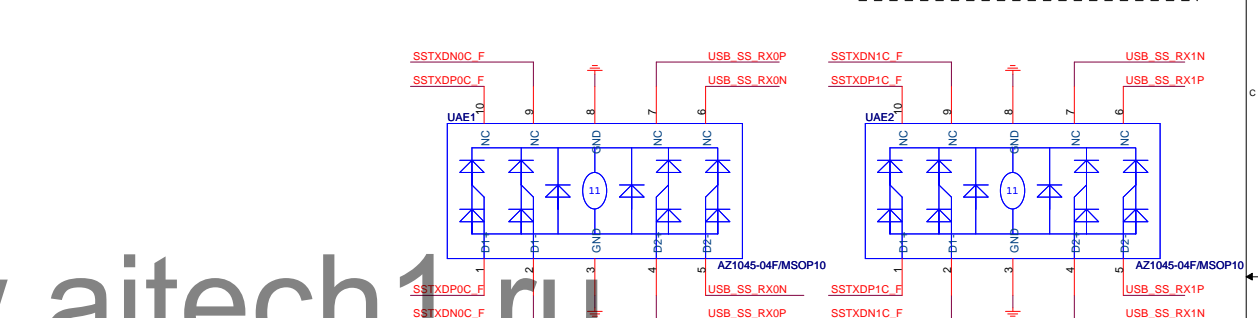
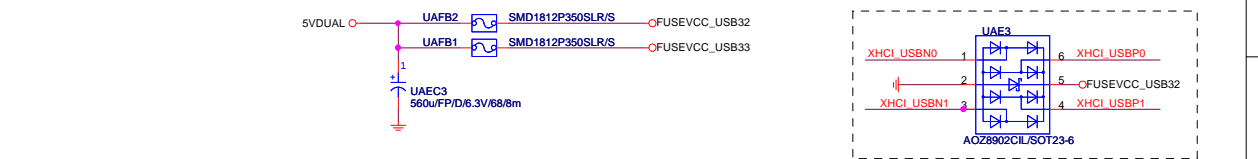
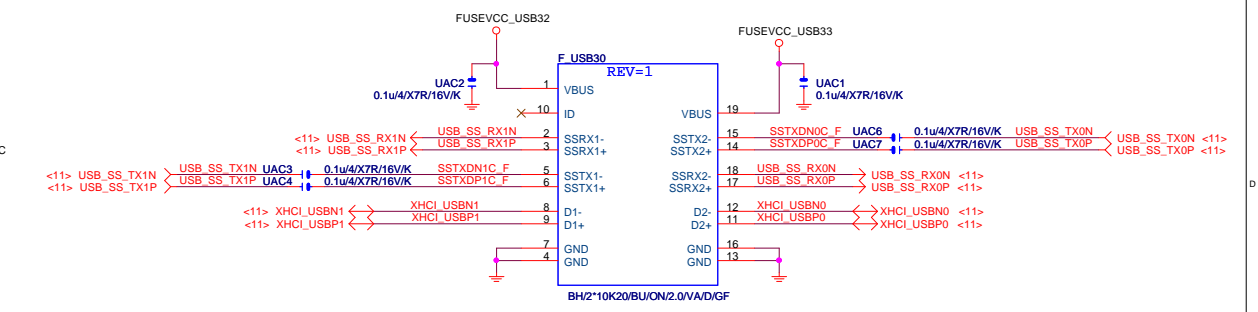
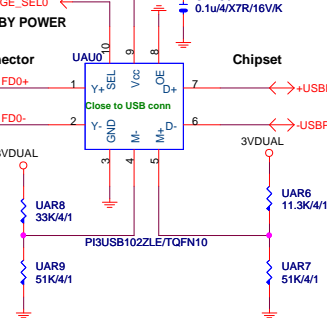
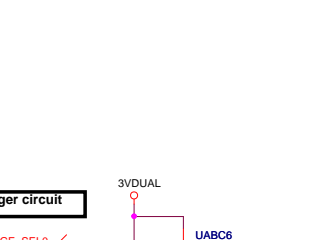
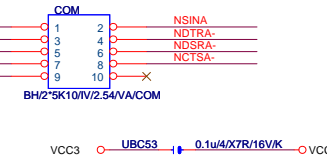
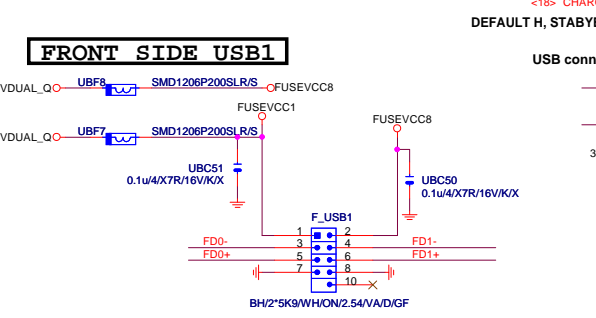
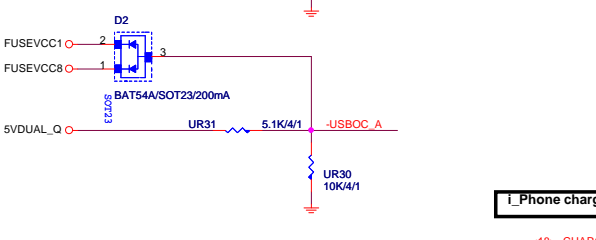
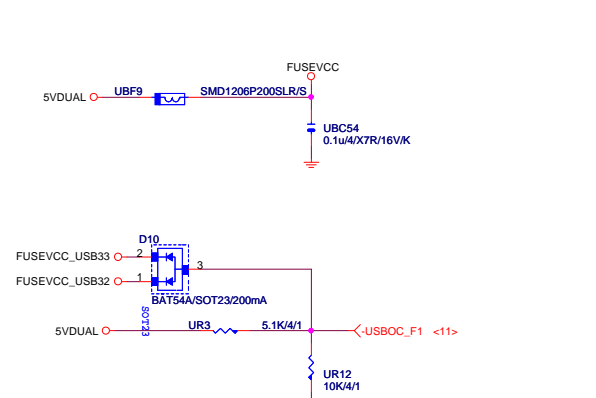
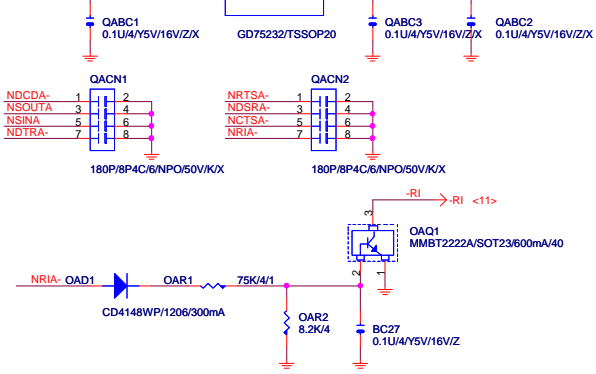
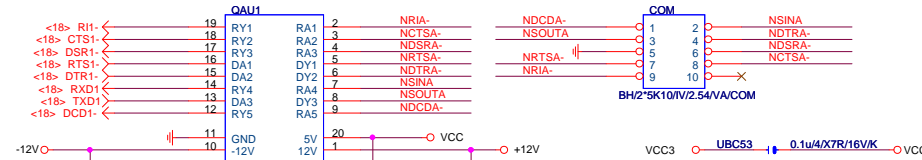
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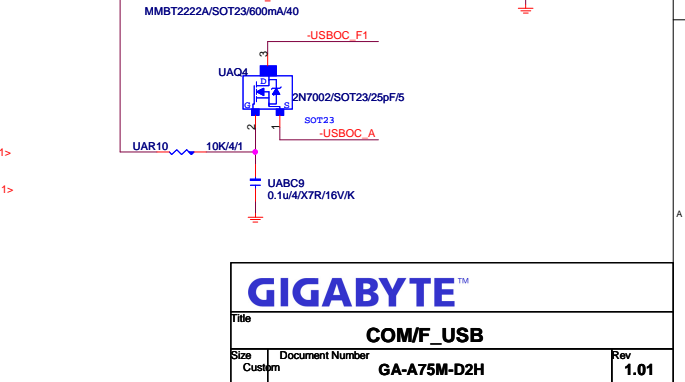
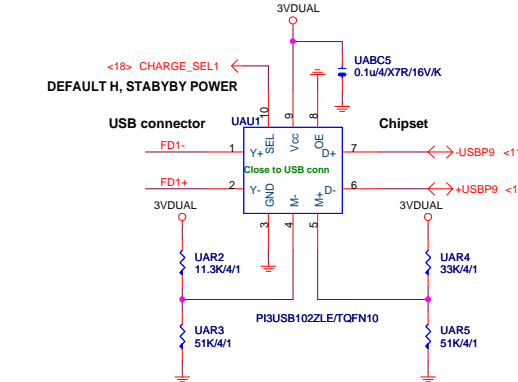
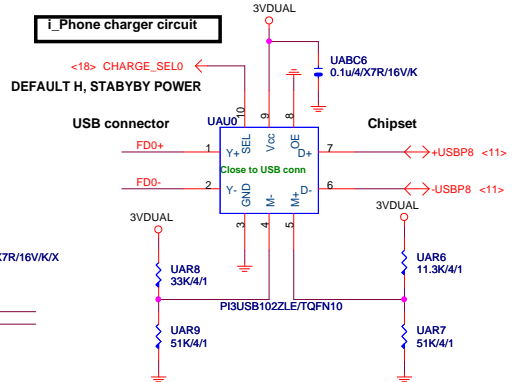
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Armorhead ver:c schematic

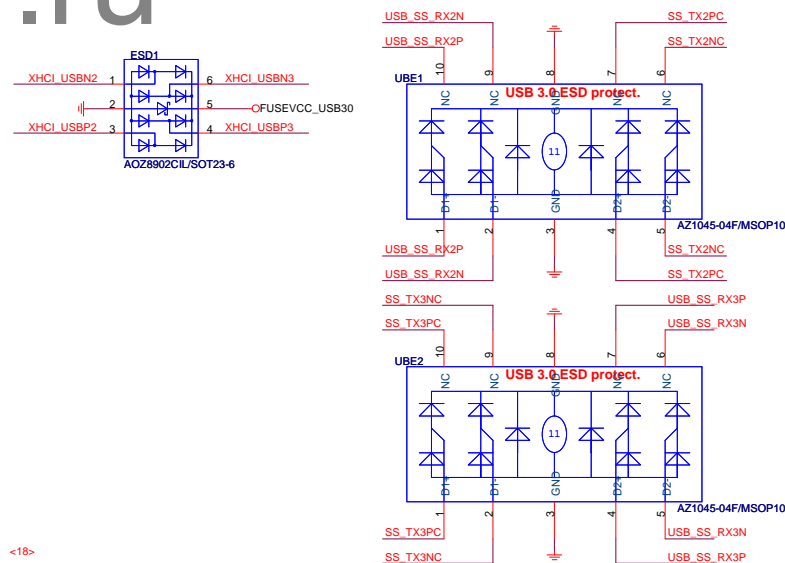
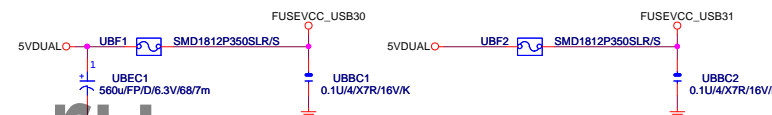
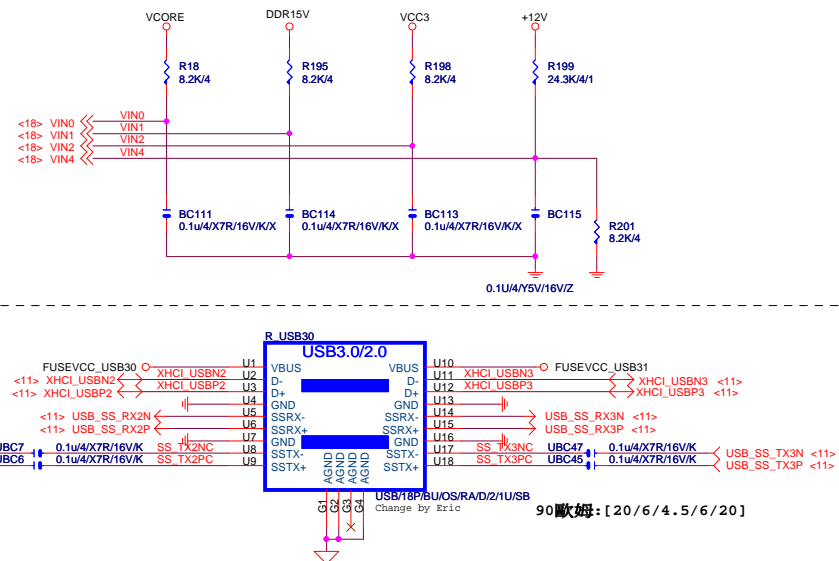
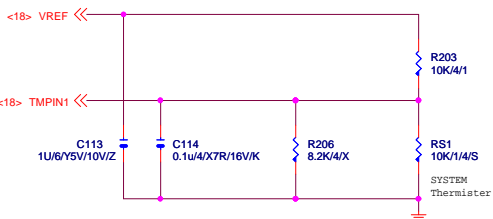




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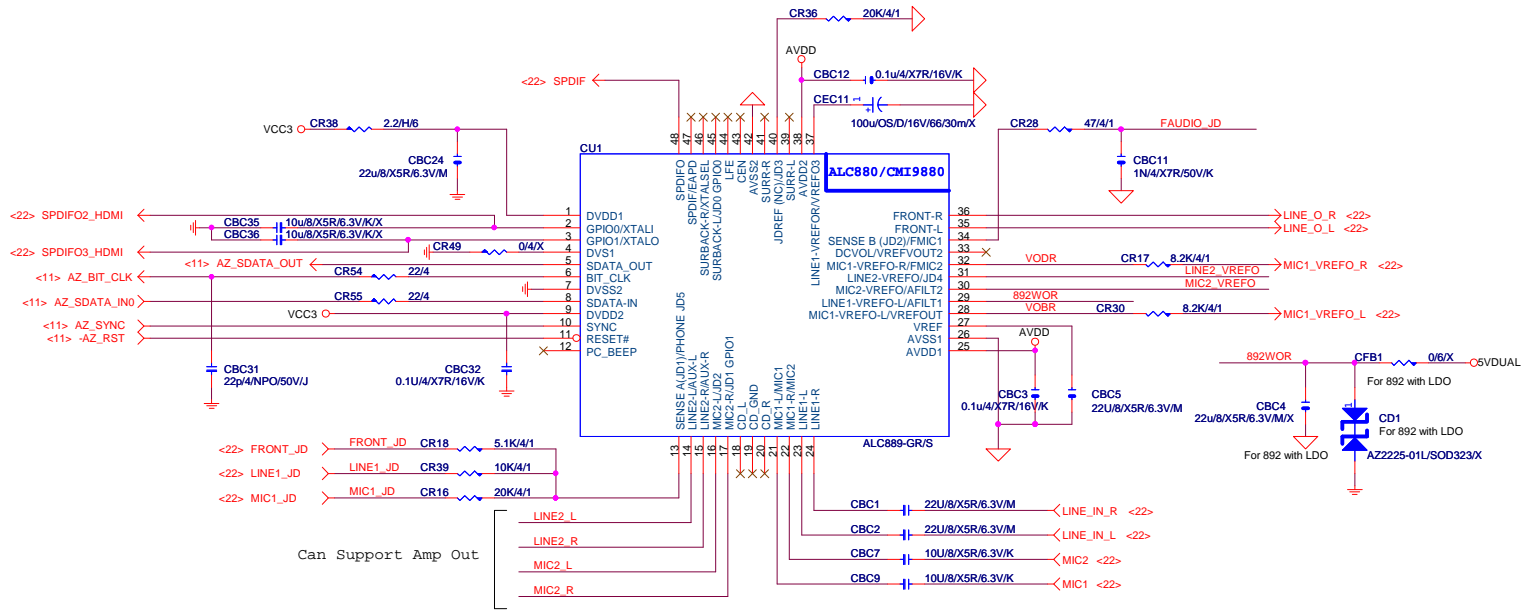
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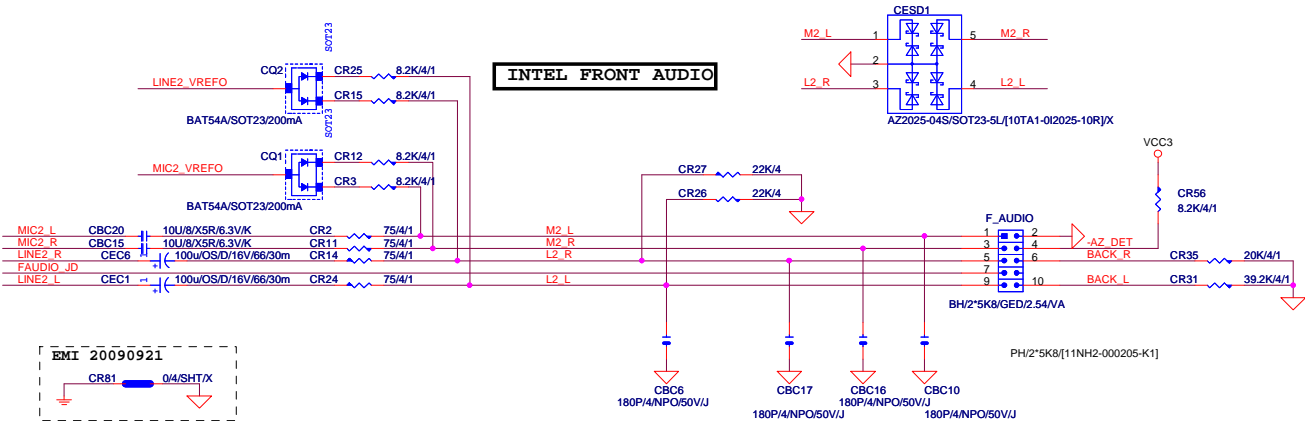
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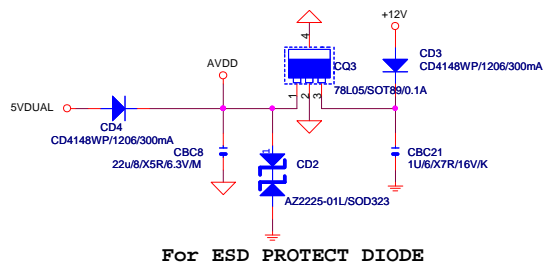
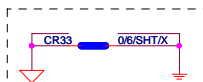
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	ALC892R	ALC889	ALC889A
CR16	X	X	O
CR24	X	X	O
CR25	X	O	O
CBC42	10uF/X5R	X	X
CR2	20K/1%	20K/1%	20K/0.1%
CR9	O	O	X
CR10	X	X	O
CBC10/CBC11/CBC12/ CBC13/CBC44/CBC45	4.7uF /X5R	10uF /X5R	4.7uF /X5R
CR4/CR8/CR18/CR23/ CR11/CR12/CR27/CR29/ CR49/CR50/CR43/CR44/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

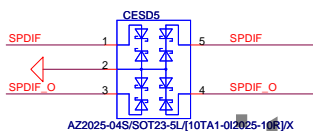
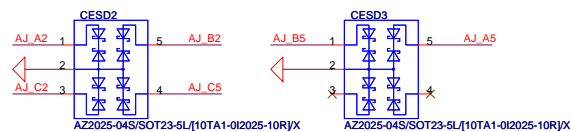
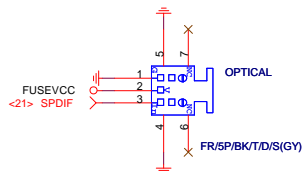
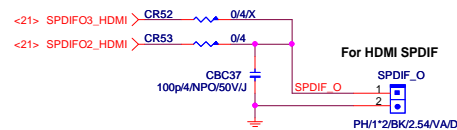


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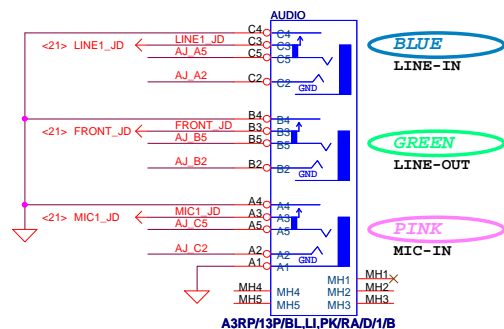
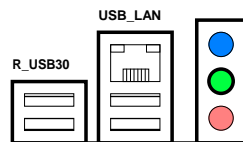
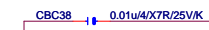




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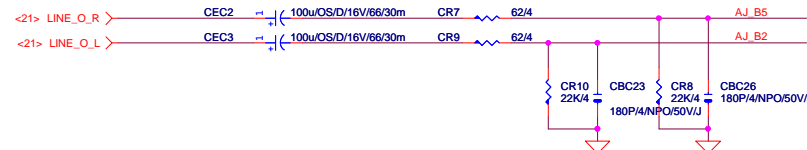


For Audio precision test

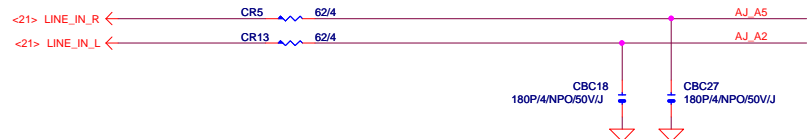


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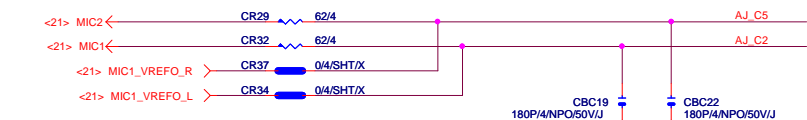
LINE OUT FRONT OUT



LINE-IN



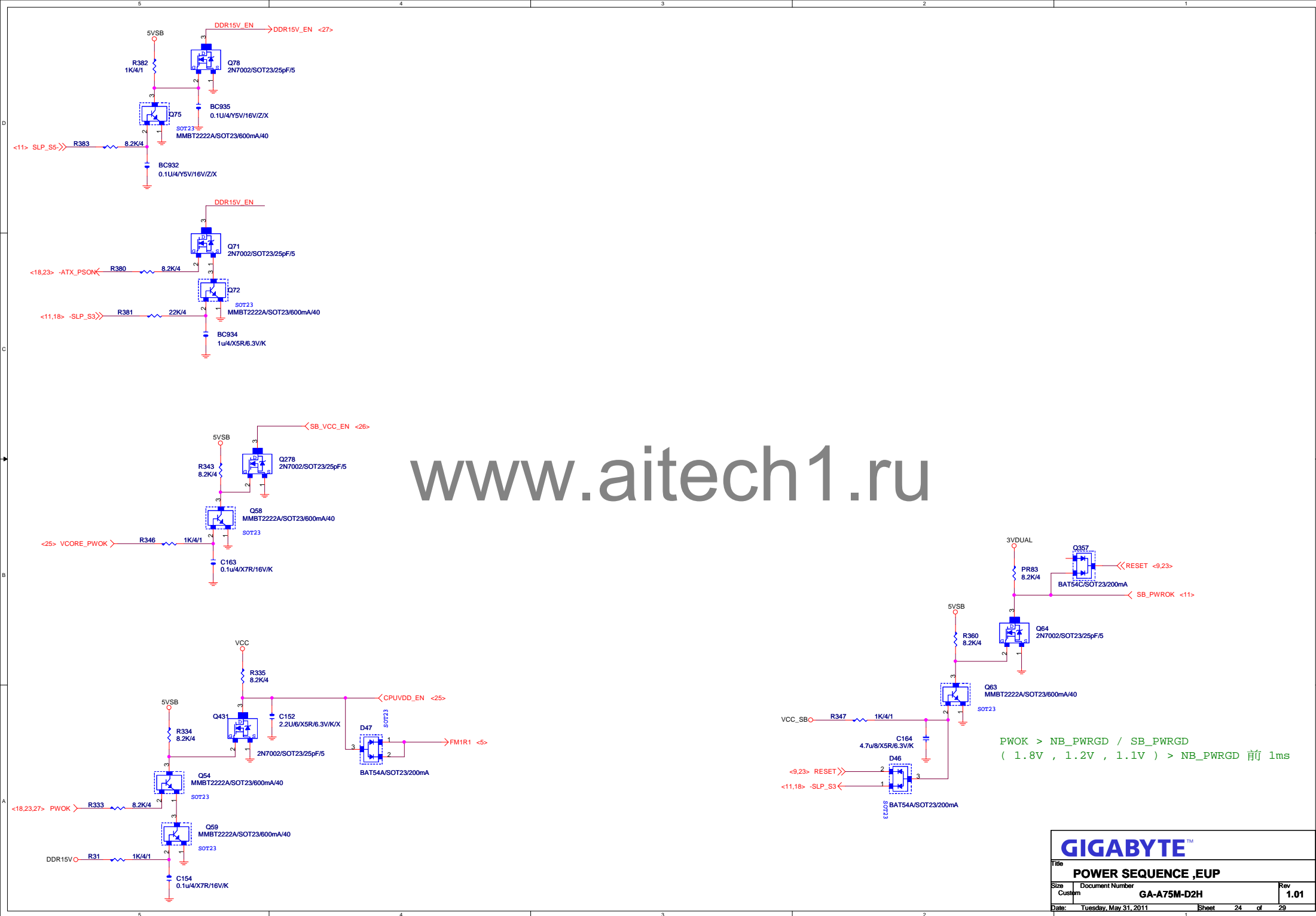
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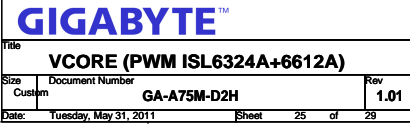


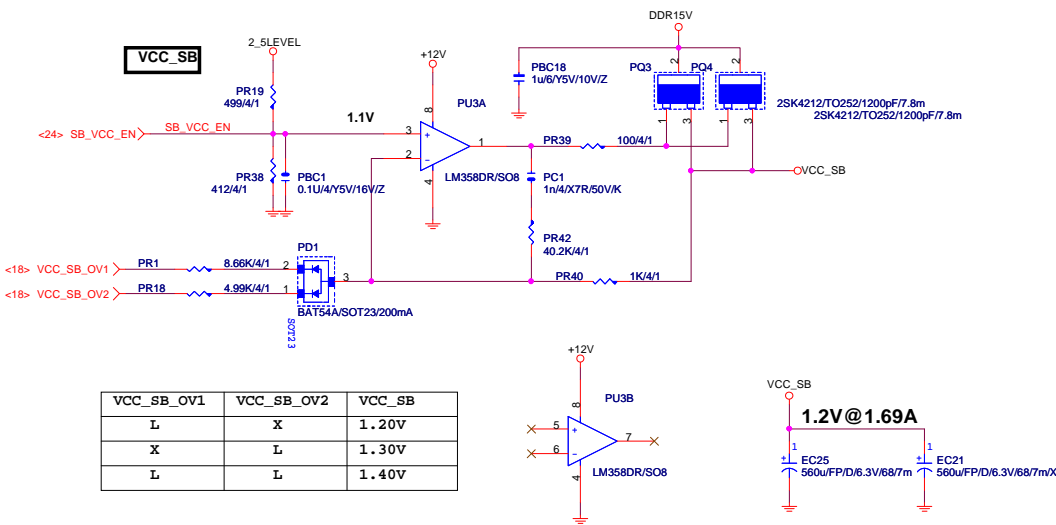
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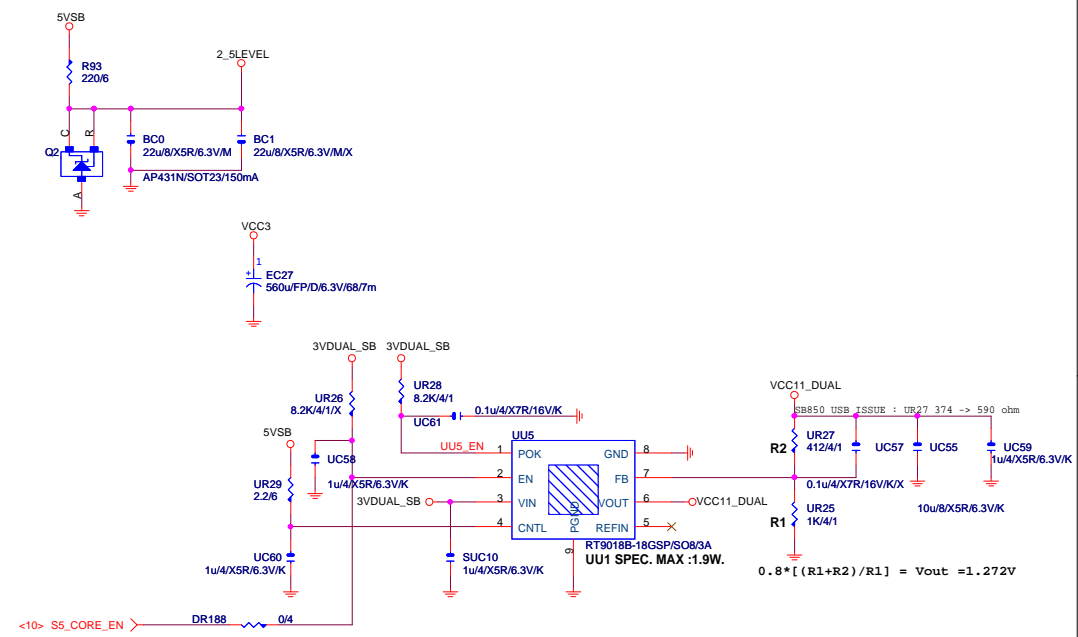
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AUDIO JACK		
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VCC_SB_OV1	VCC_SB_OV2	VCC_SB
L	X	1.20V
X	L	1.30V
L	L	1.40V



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