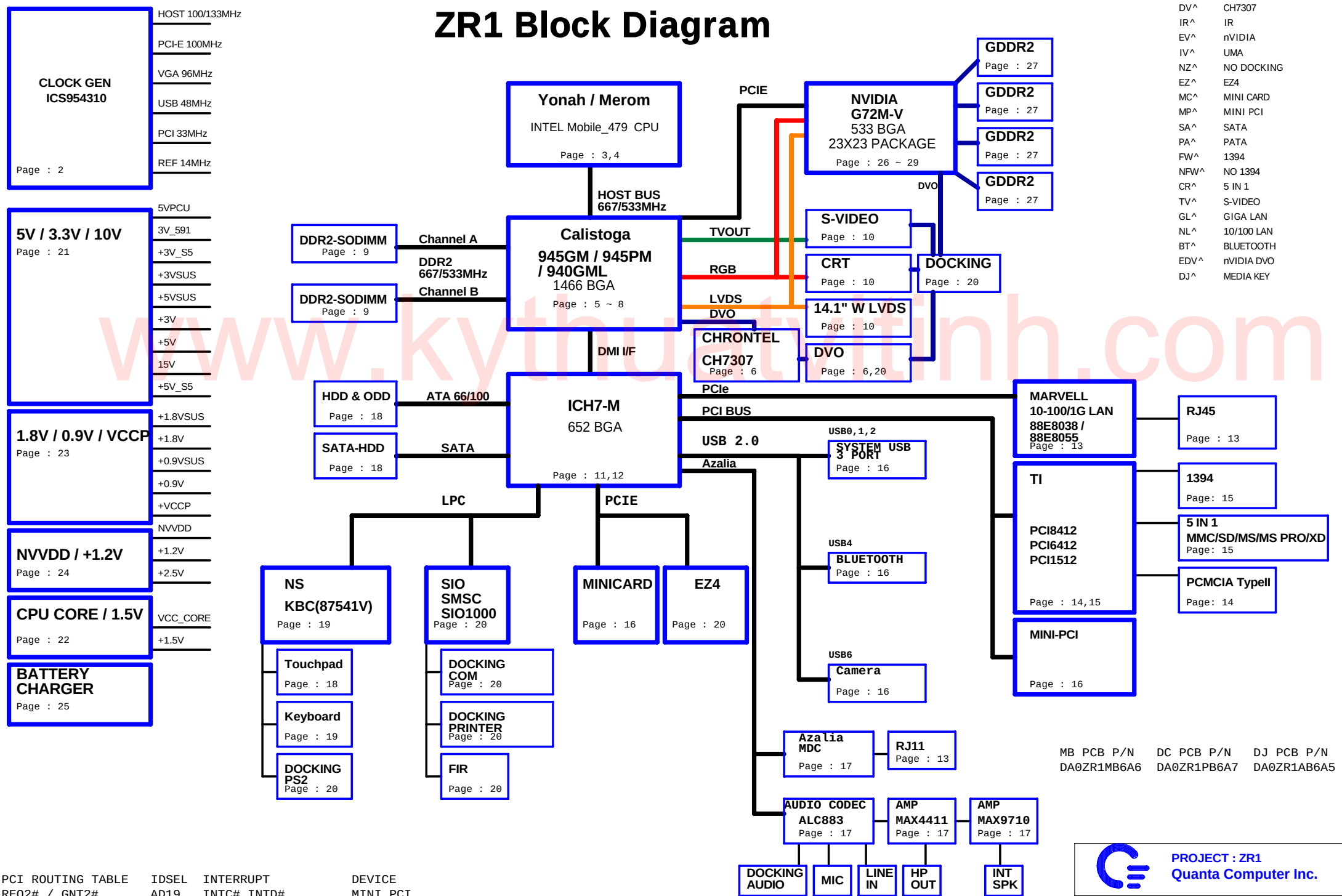


ZR1 Block Diagram

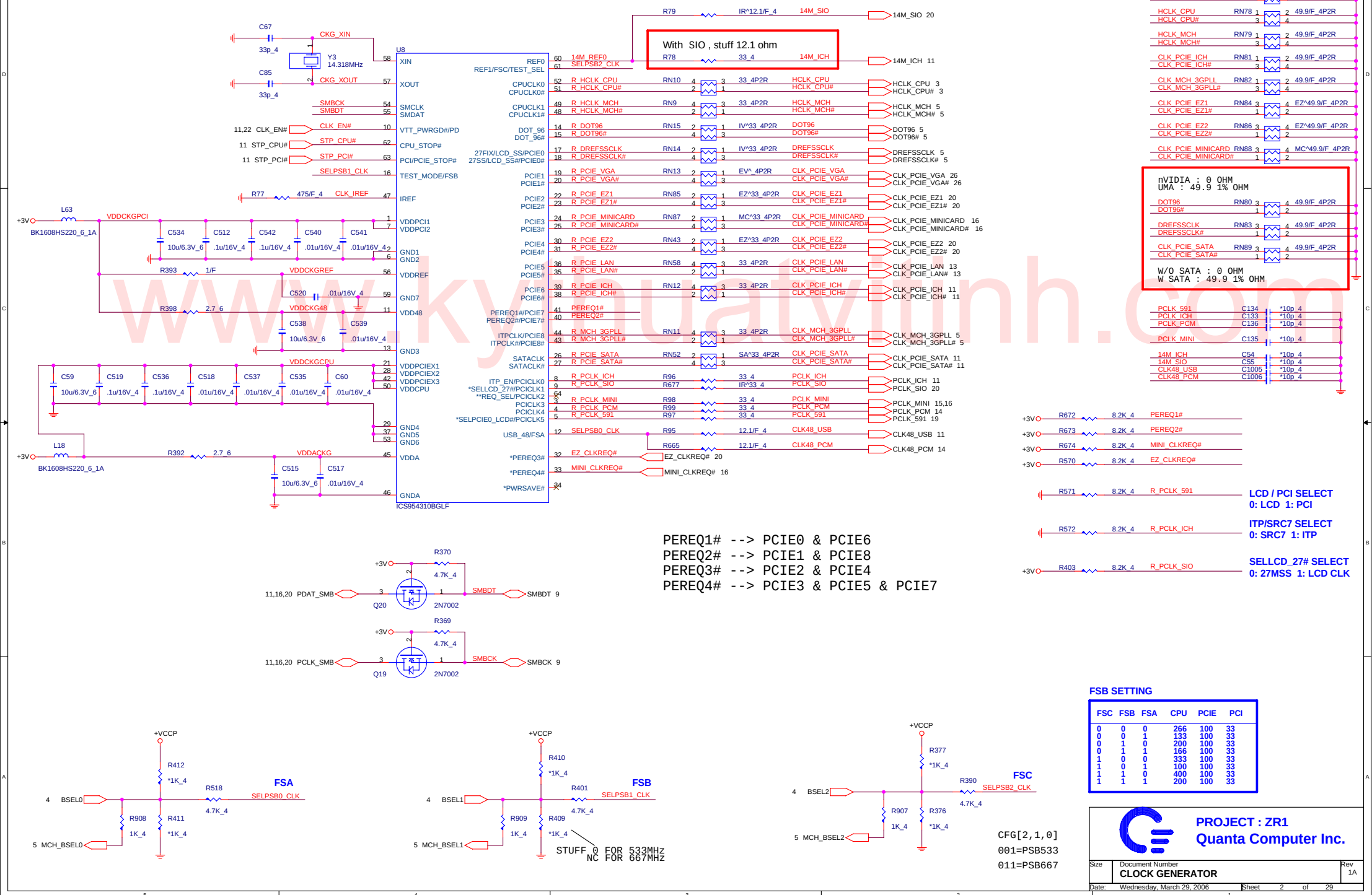


- DV^ CH7307
- IR^ IR
- EV^ nVIDIA
- IV^ UMA
- NZ^ NO DOCKING
- EZ^ EZ4
- MC^ MINI CARD
- MP^ MINI PCI
- SA^ SATA
- PA^ PATA
- FW^ 1394
- NFW^ NO 1394
- CR^ 5 IN 1
- TV^ S-VIDEO
- GL^ GIGA LAN
- NL^ 10/100 LAN
- BT^ BLUETOOTH
- EDV^ nVIDIA DVO
- DJ^ MEDIA KEY

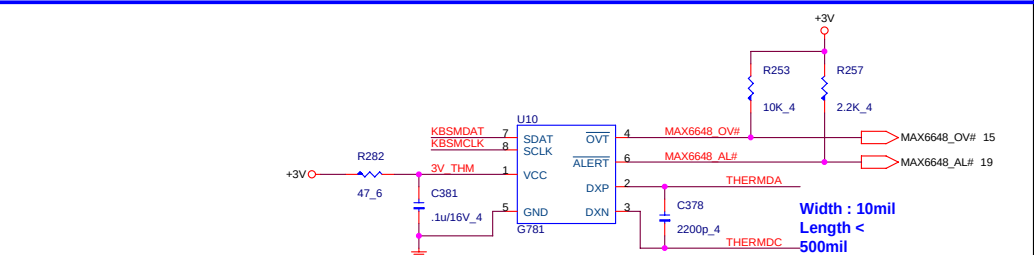
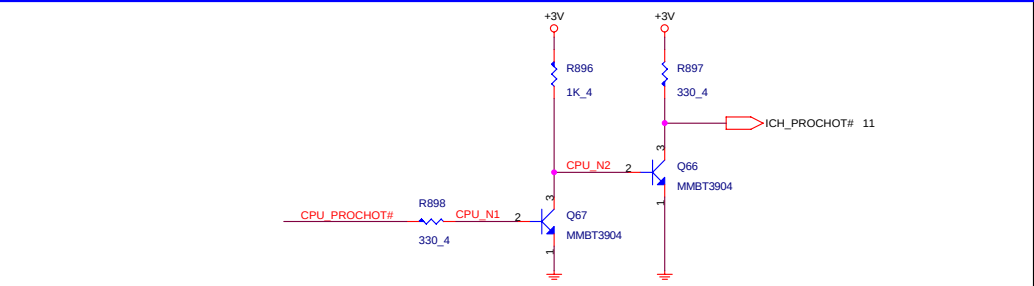
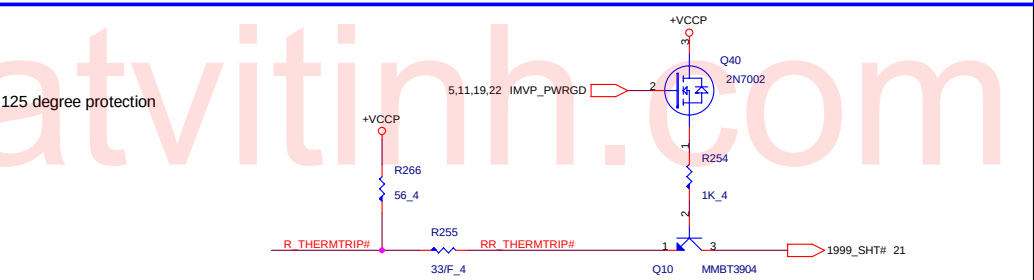
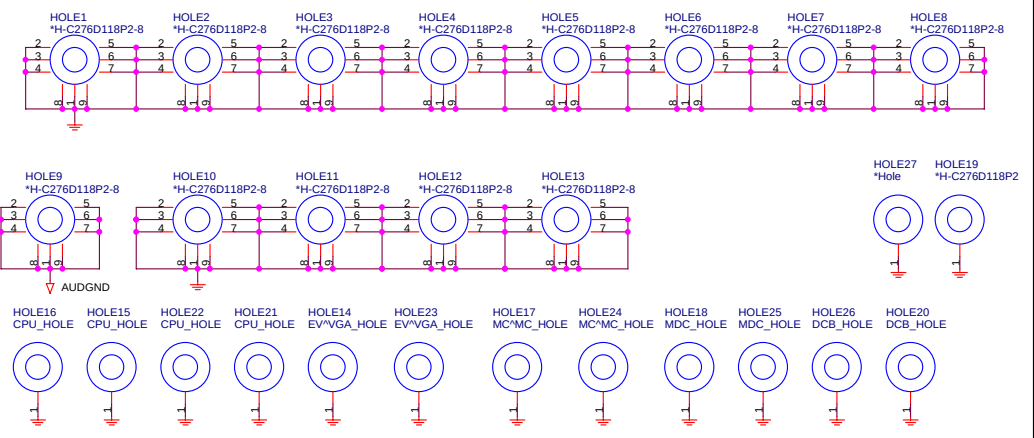
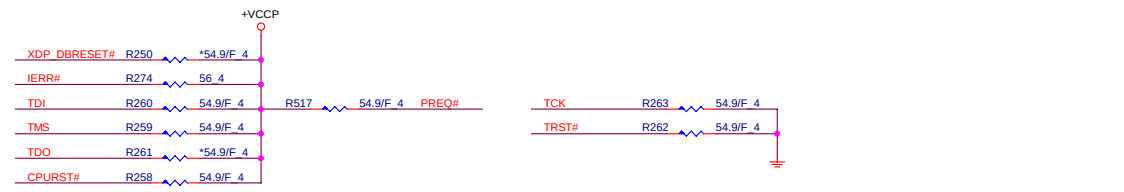
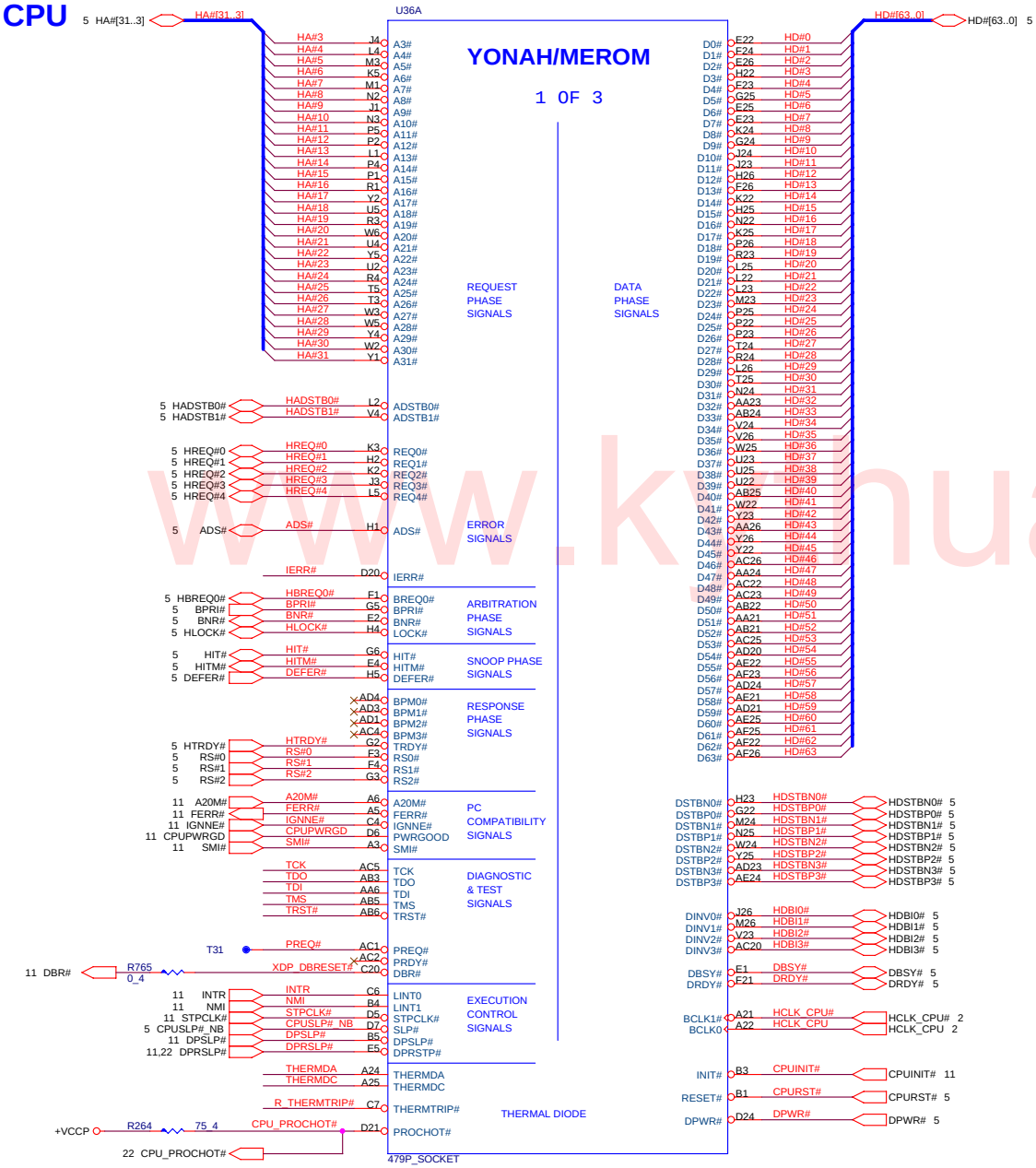
PCI ROUTING TABLE	IDSEL	INTERRUPT	DEVICE
REQ2# / GNT2#	AD19	INTC#, INTD#	MINI PCI
REQ0# / GNT0#	AD25	INTE#, INTF#, INTG#	TI XX12

MB PCB P/N DA0ZR1MB6A6 DC PCB P/N DA0ZR1PB6A7 DJ PCB P/N DA0ZR1AB6A5

CLOCK GENERATOR



CPU

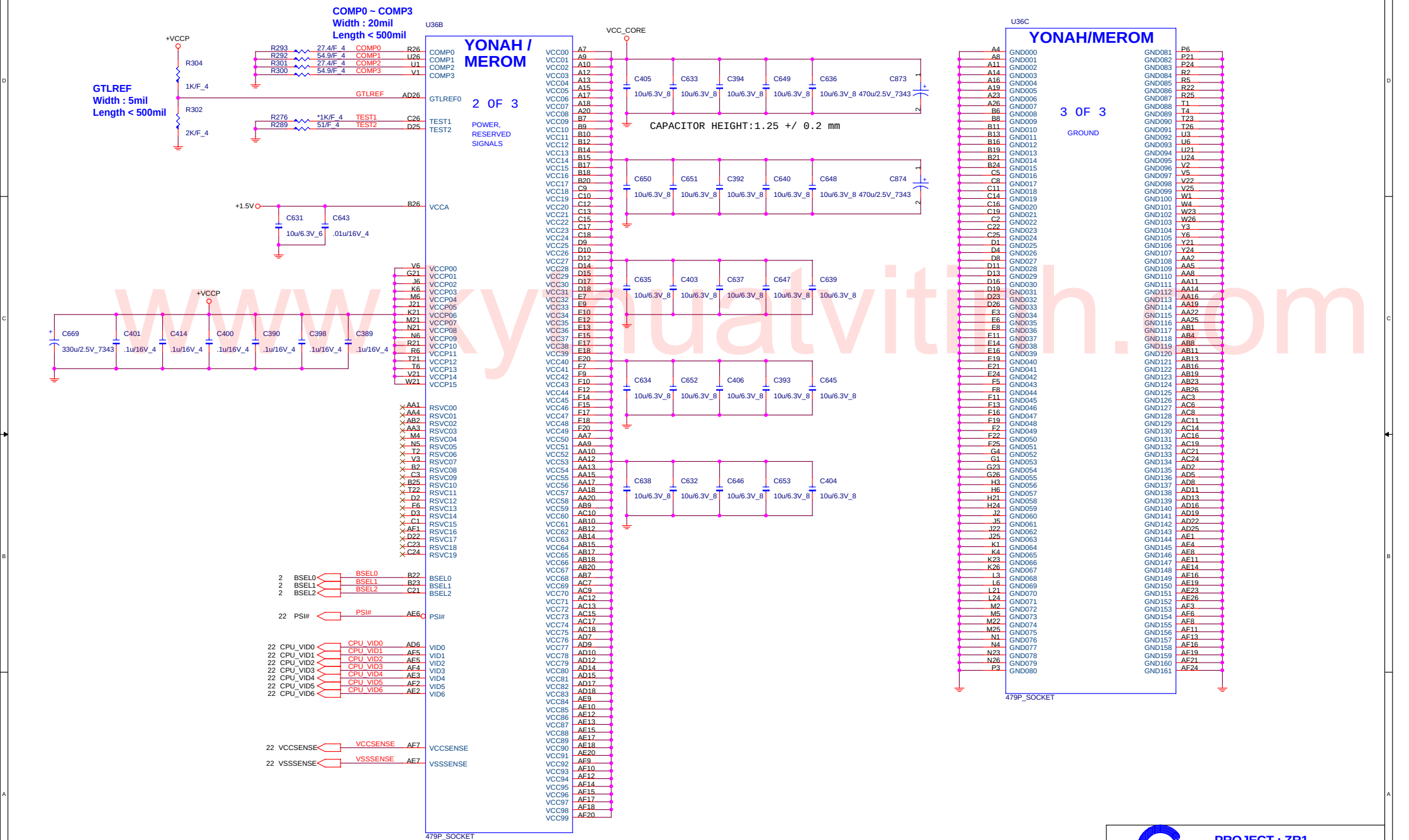


MAXIM 6657 : AL006657020
GMT G781 : AL000781101

 PROJECT : ZR1
Quanta Computer Inc.

Size	Document Number CPU (HOST)	Rev 1A
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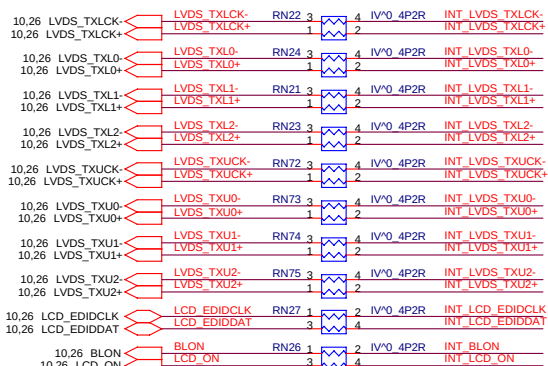
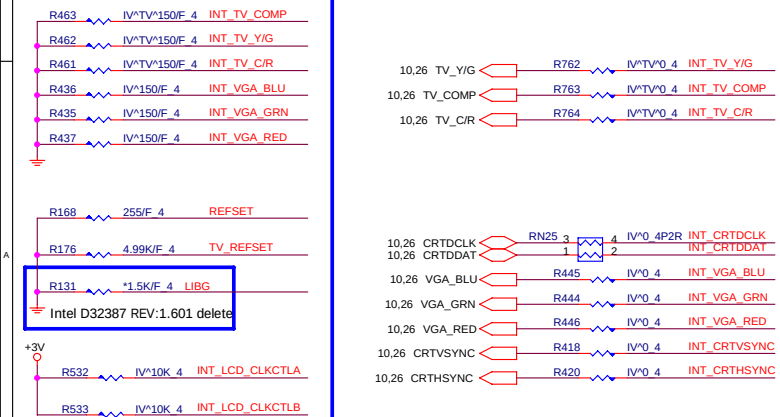
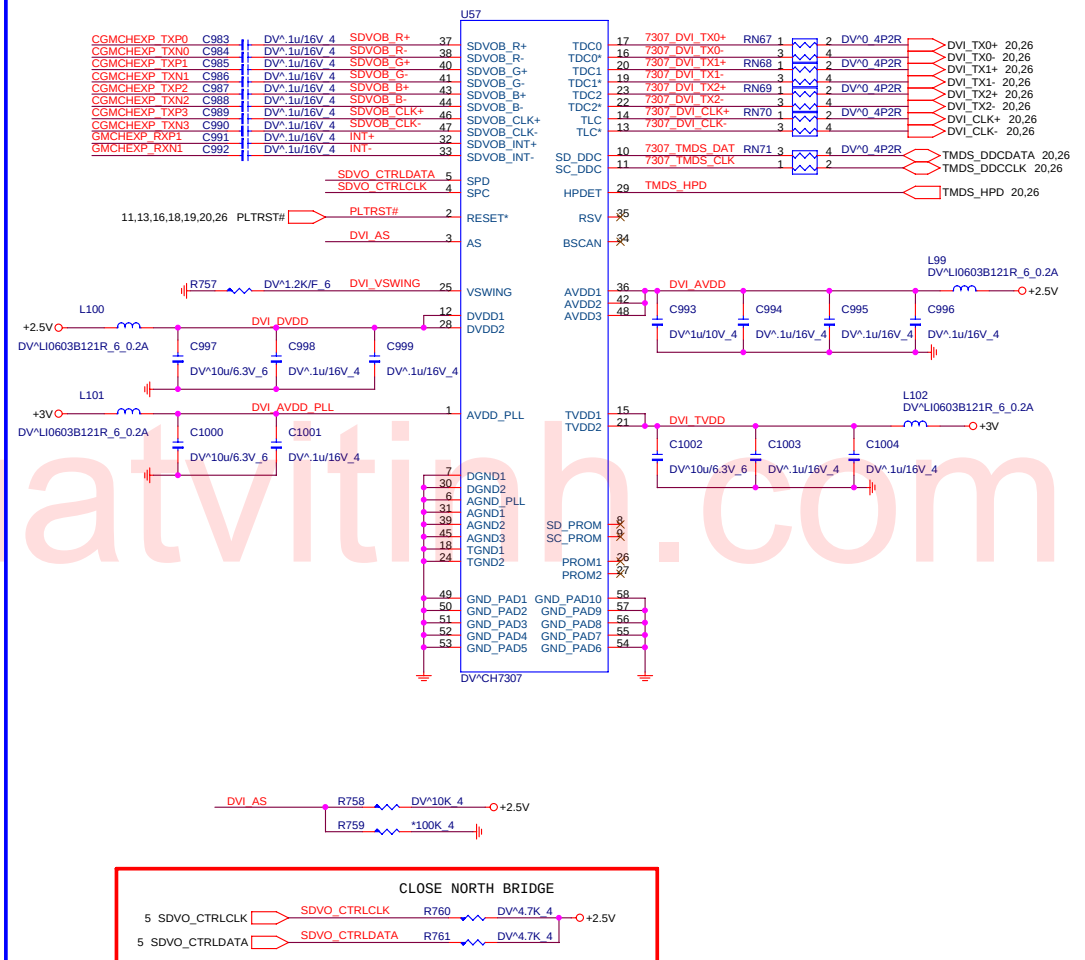
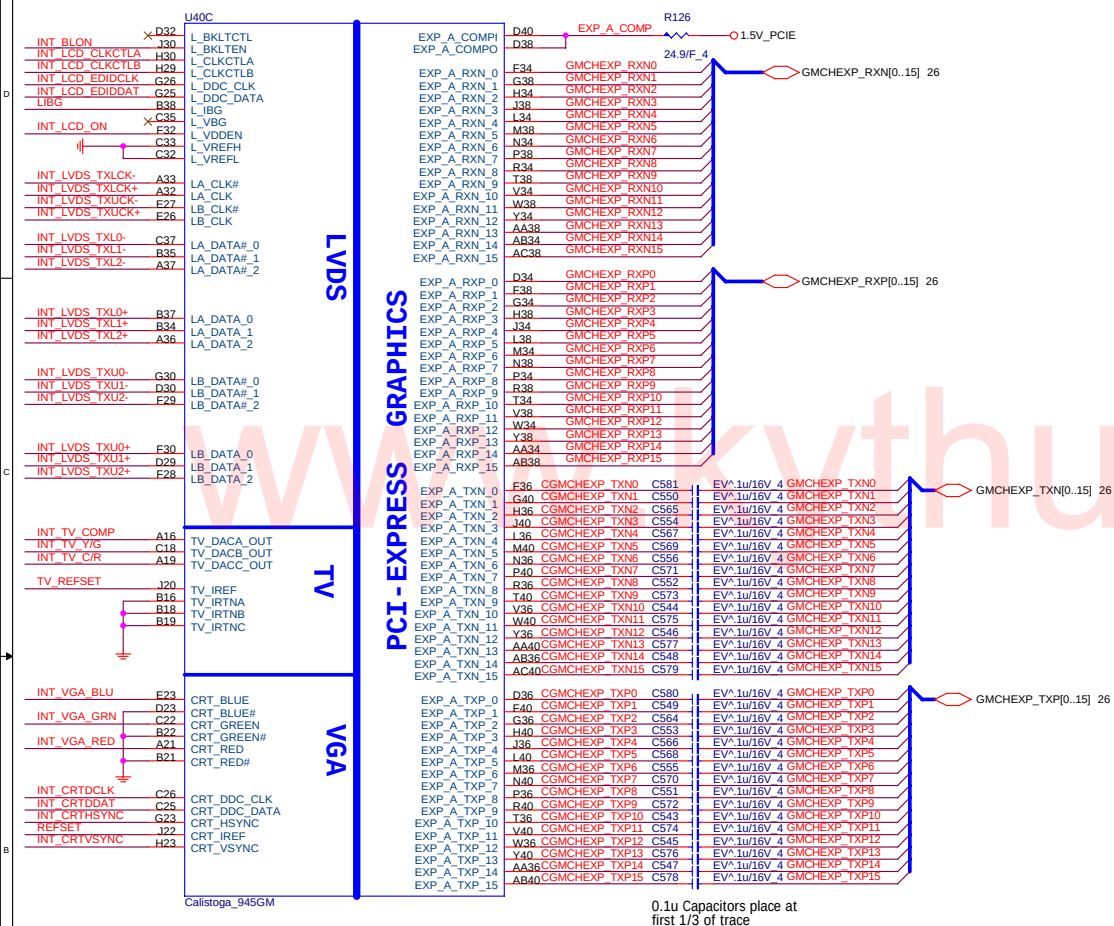
CPU



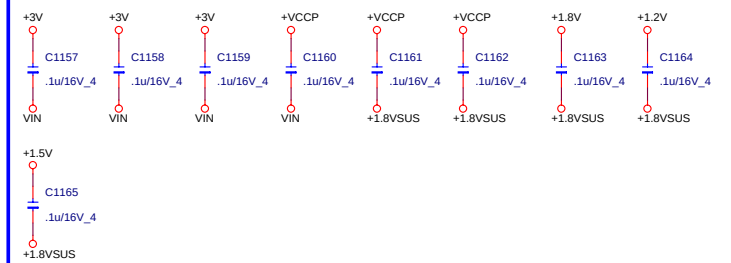
PROJECT : ZR1
Quanta Computer Inc.

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DVO_CH7307



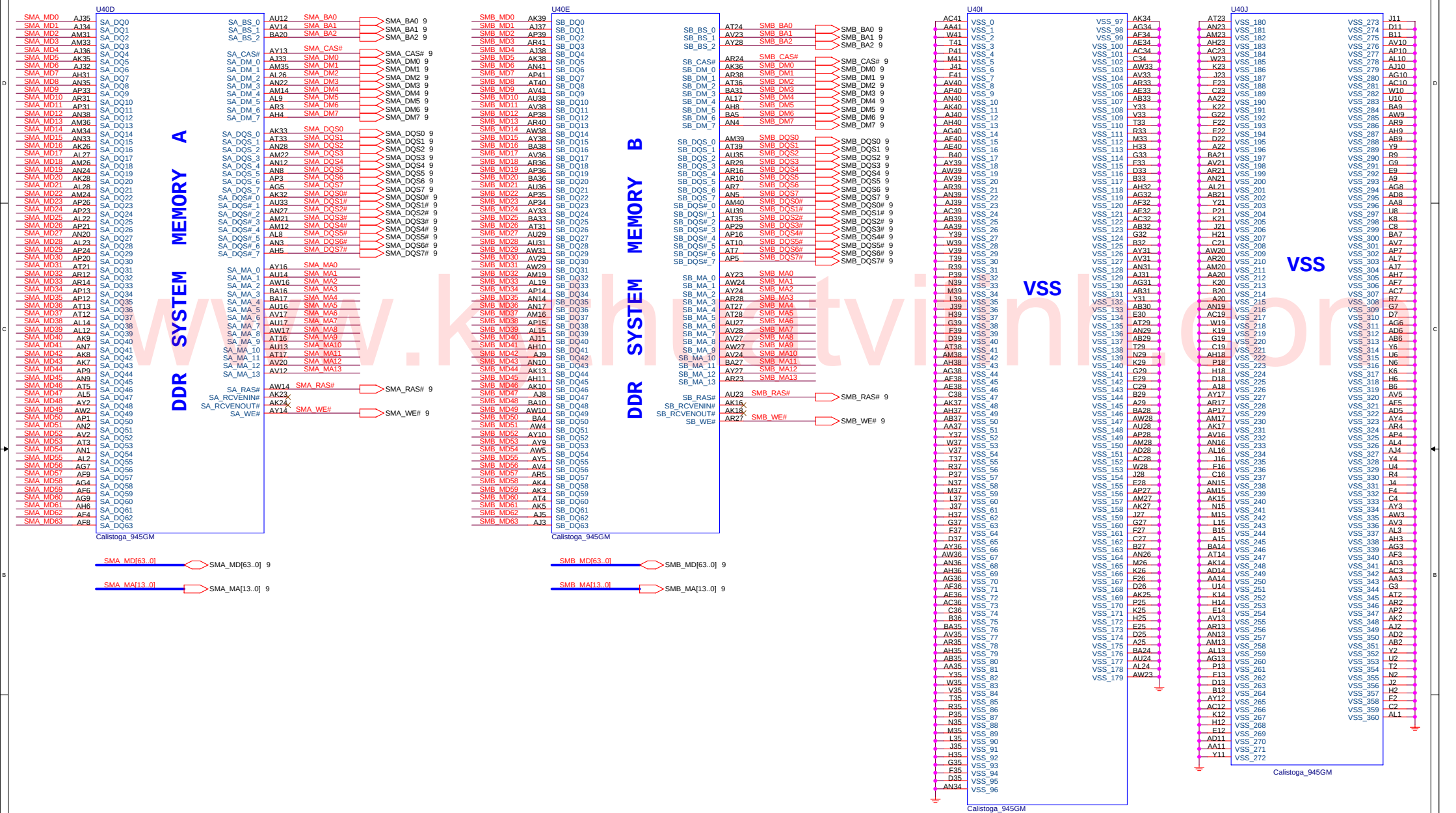
Signal Cross Moat



PROJECT : ZR1
Quanta Computer Inc.

Size	Document Number GMCH (VGA)	Rev 1A
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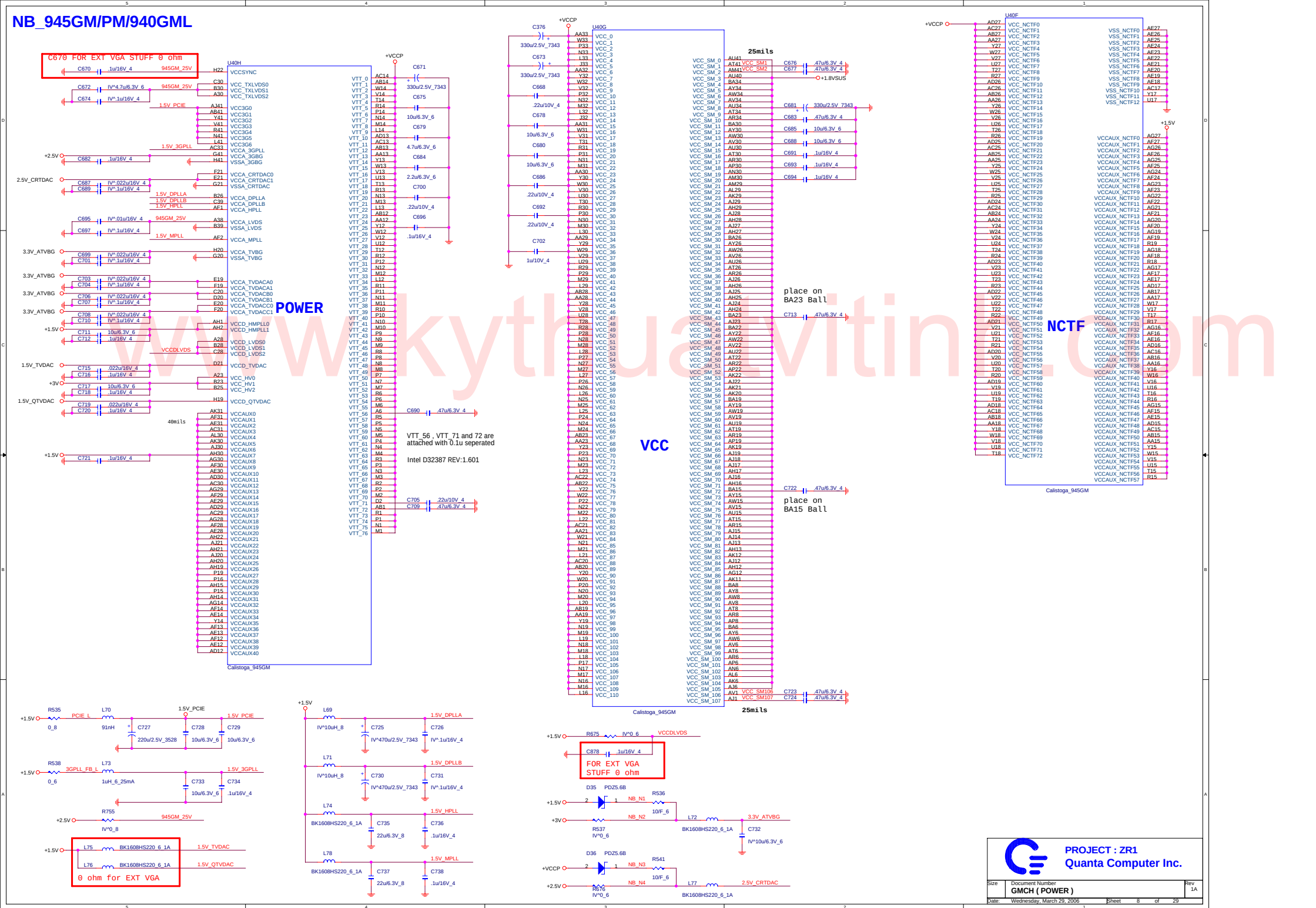
NB 945GM/PM/940GML



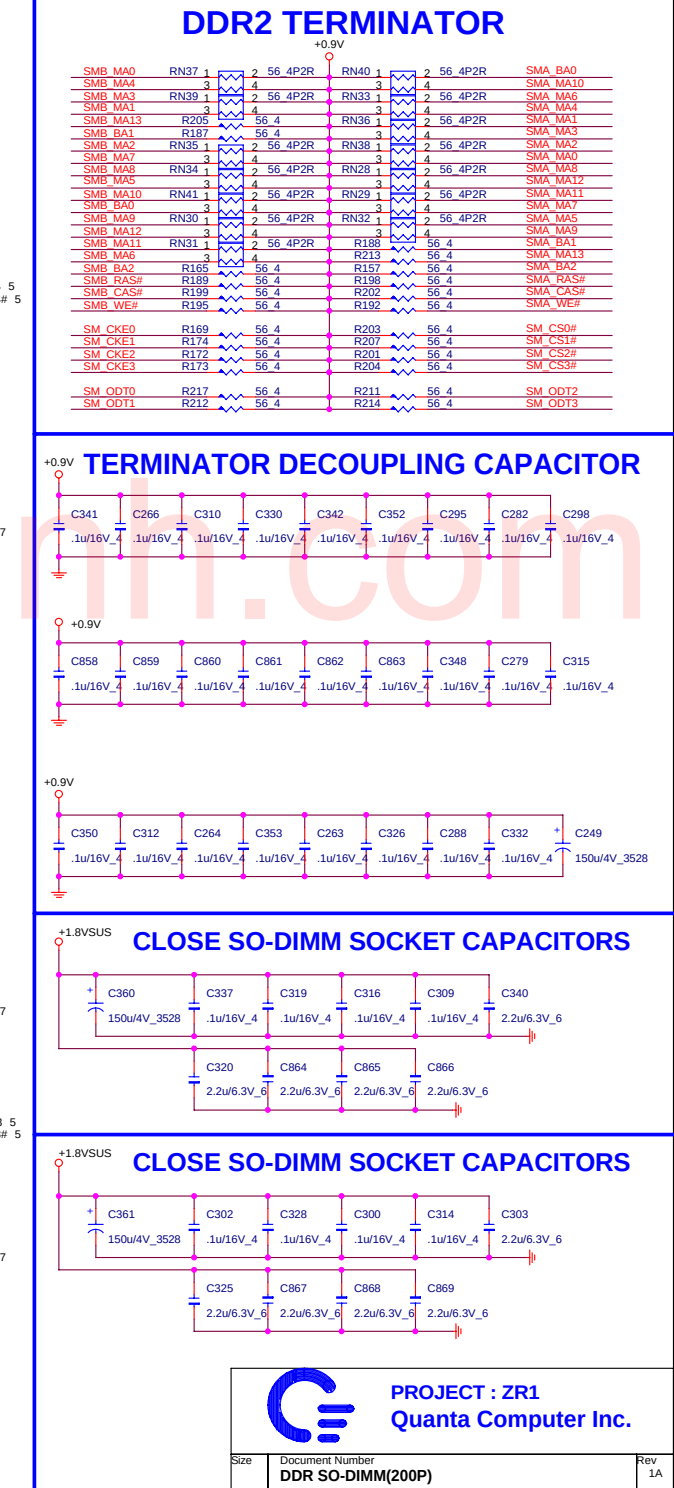
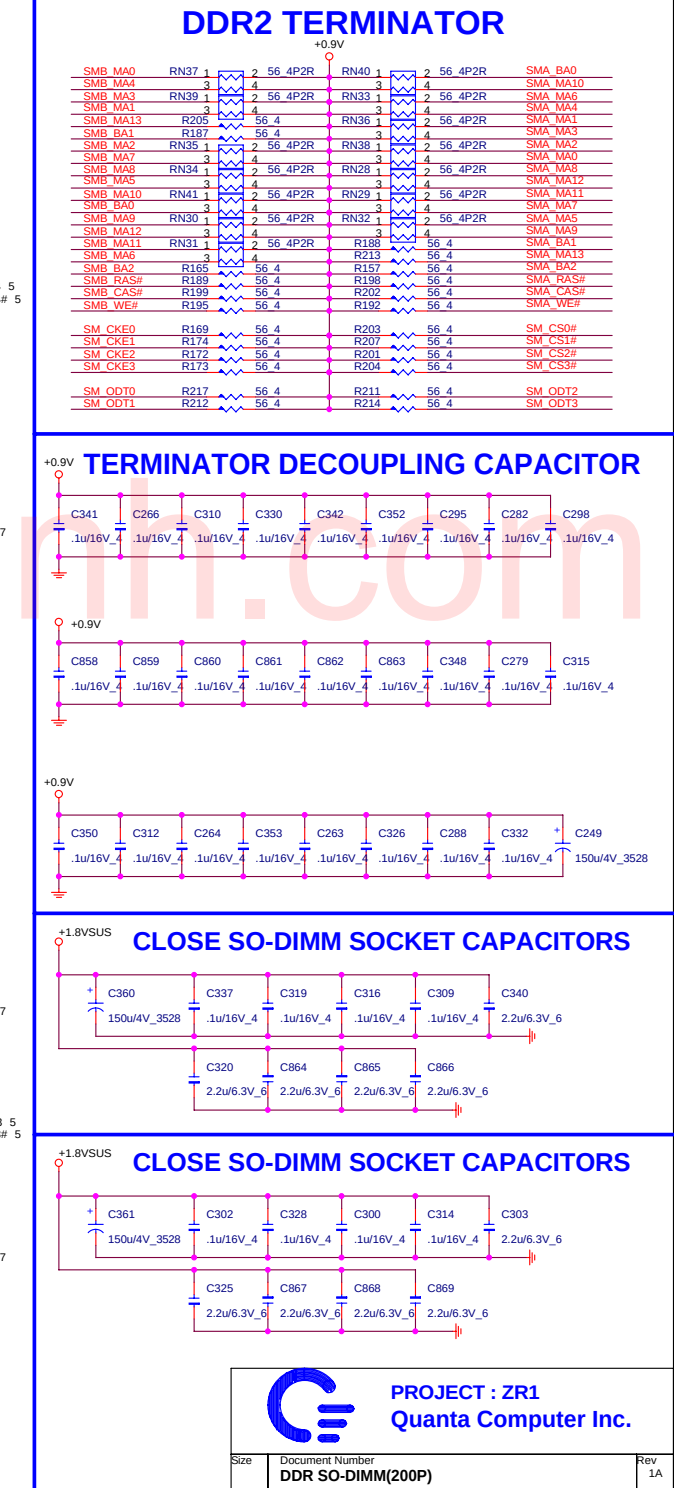
PROJECT : ZR1
Quanta Computer Inc.

Size	Document Number GMCH (MEMORY)	Rev 1A
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NB 945GM/PM/940GML



DDR2 TERMINATOR



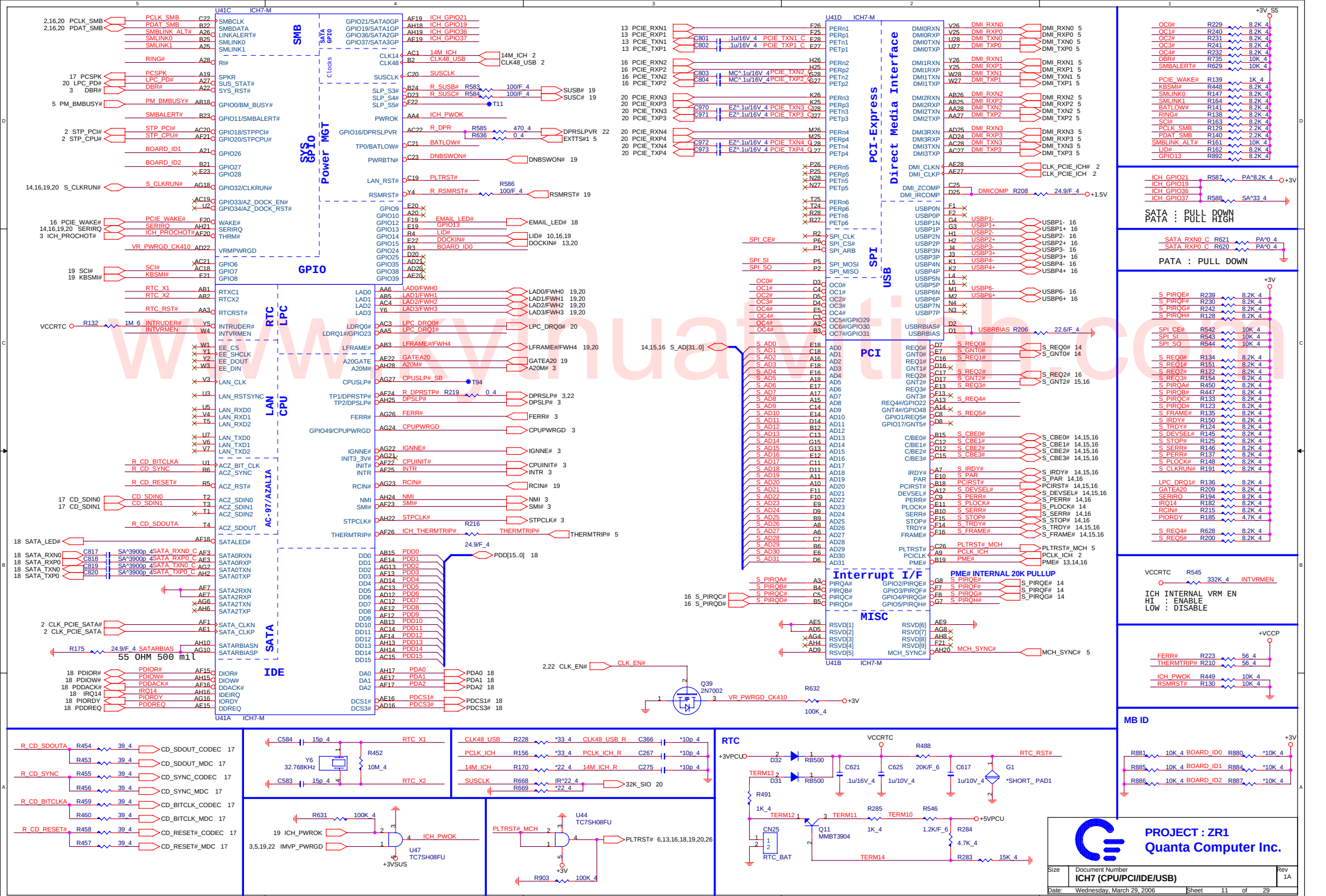
CRT



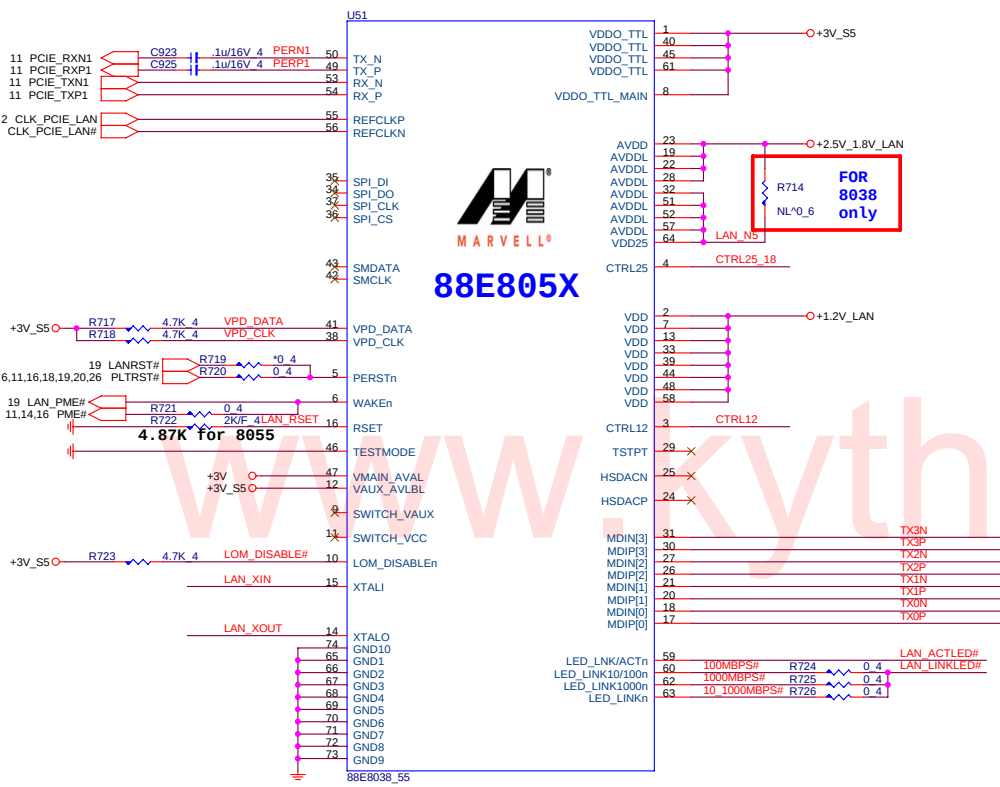
S-VIDEO



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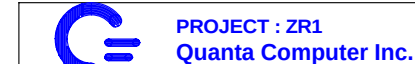
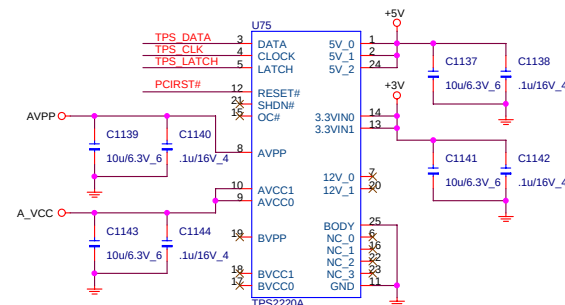
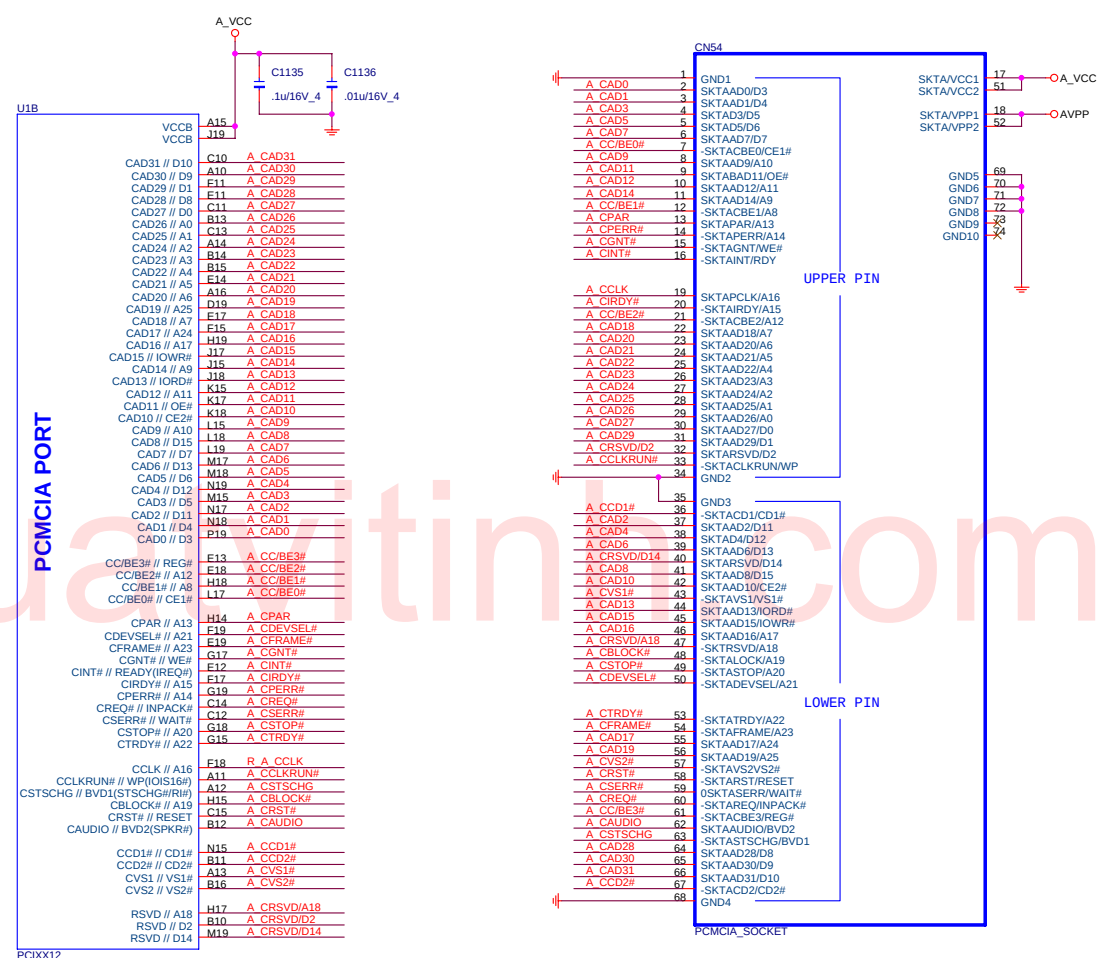
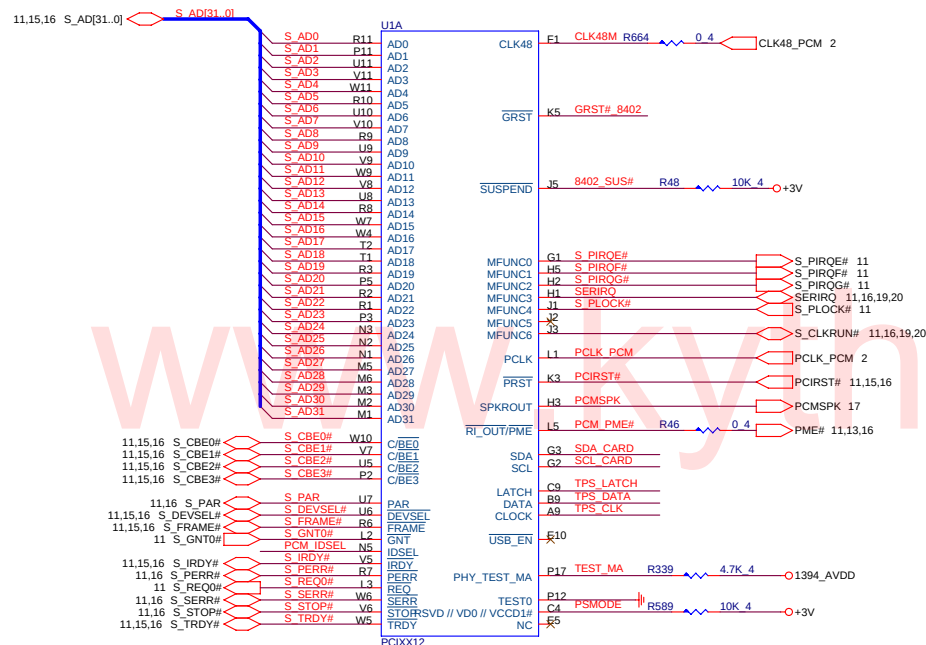
PROJECT : ZR1
Quanta Computer Inc.

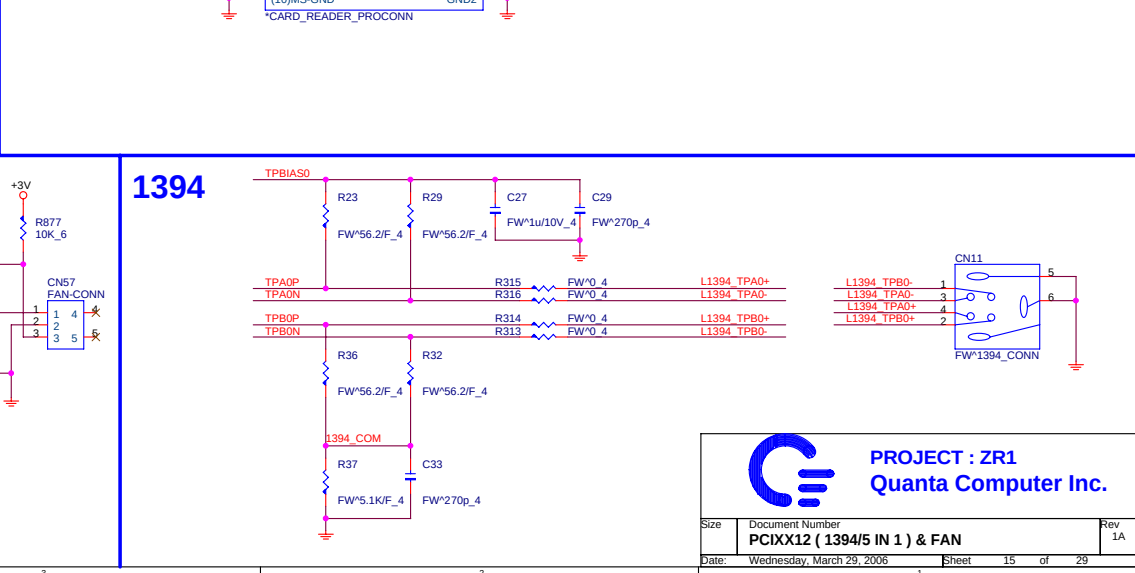
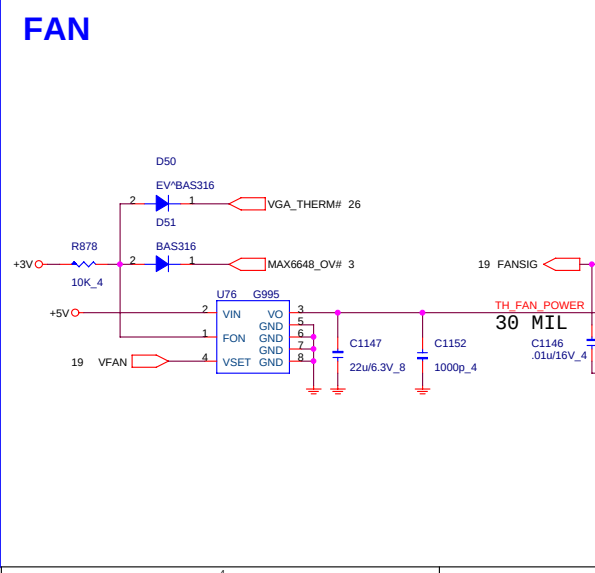
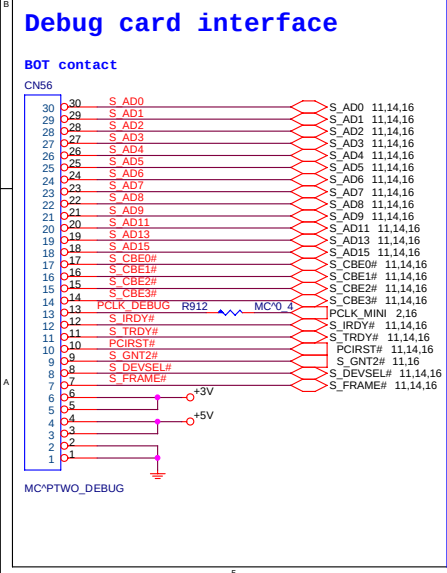
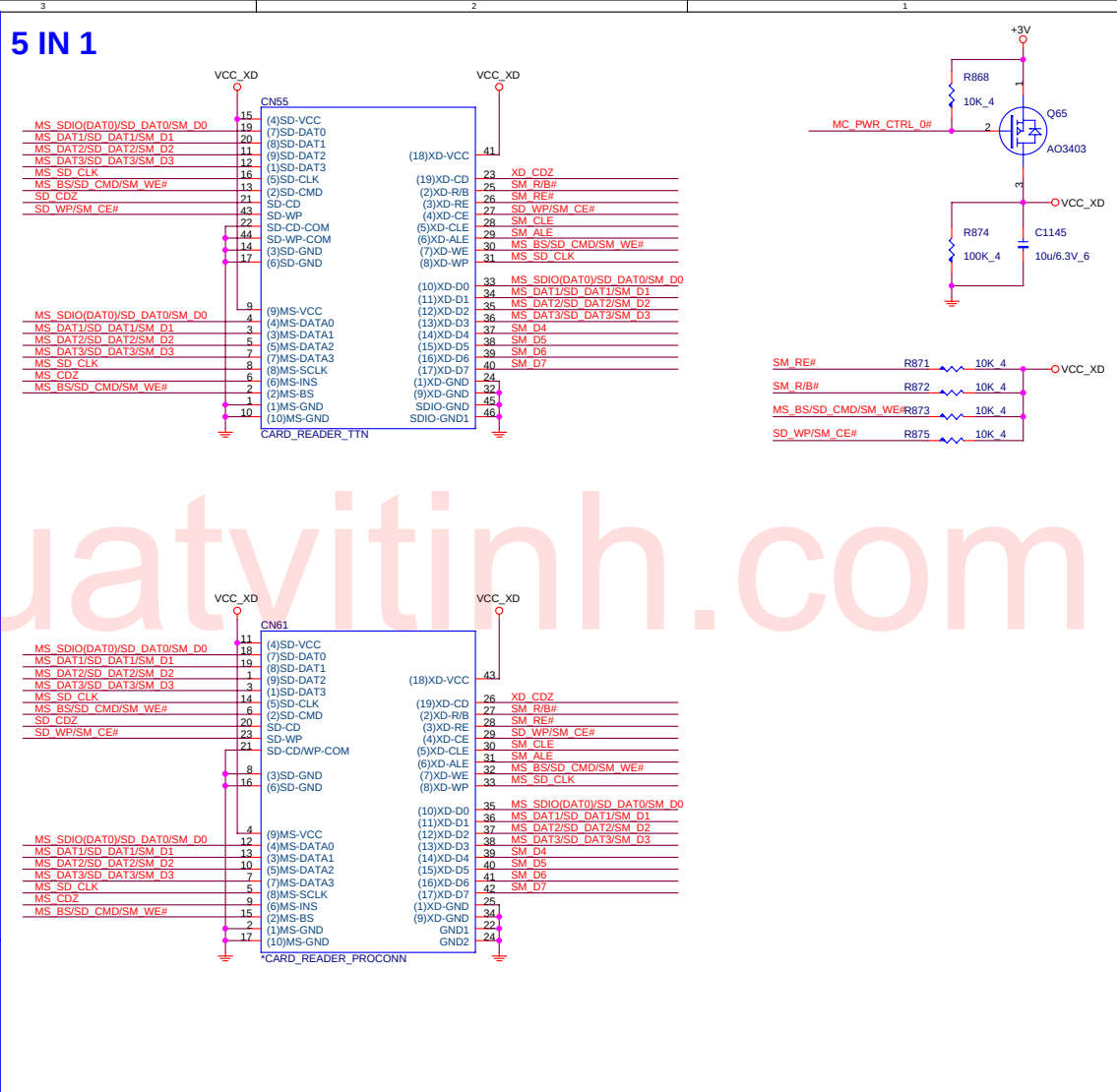
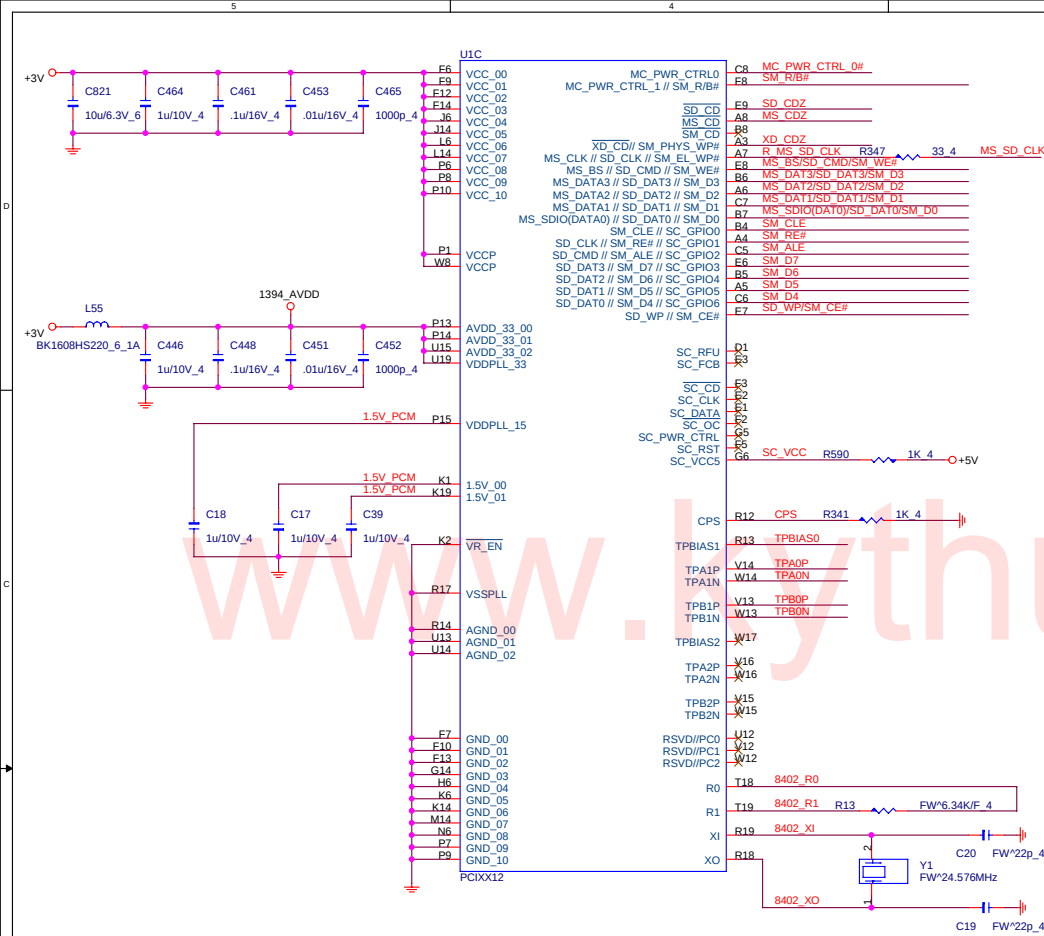


REQ0# AD25
GNT0# PIRQ(E,F,G)#

S_AD25 R346 150/F 4 PCM_IDSEL

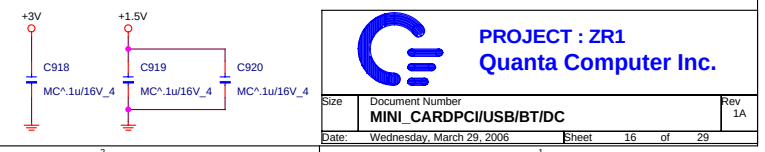
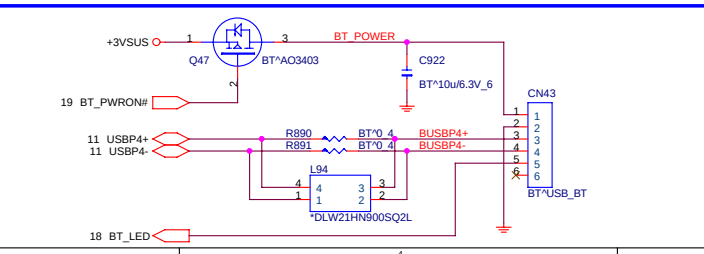
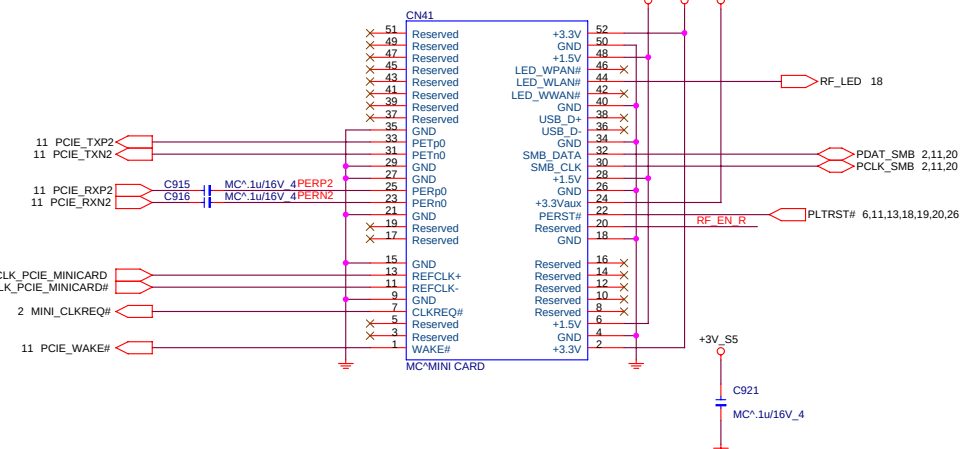
PCMCIA



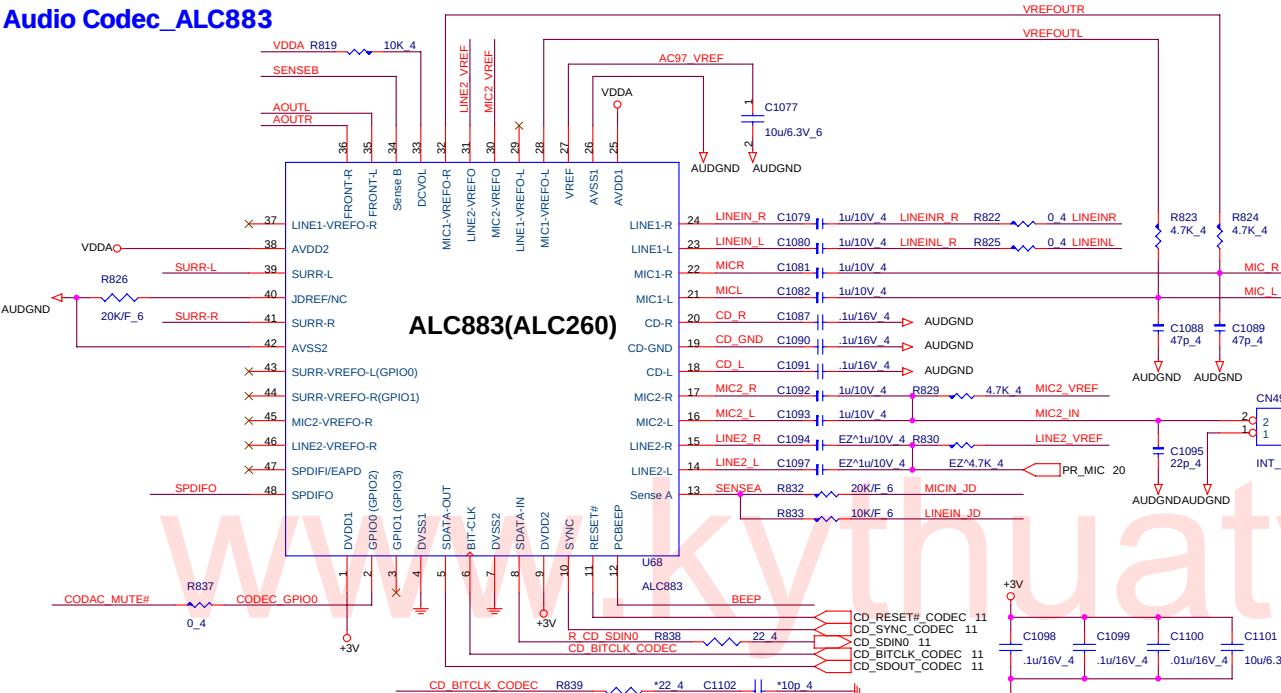


REQ2# AD19
GNT2# PIRQ(C,D)#

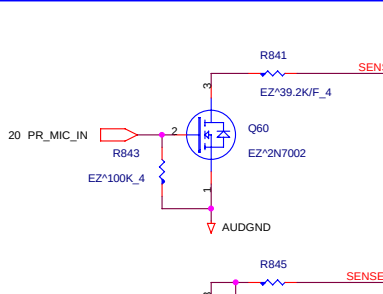
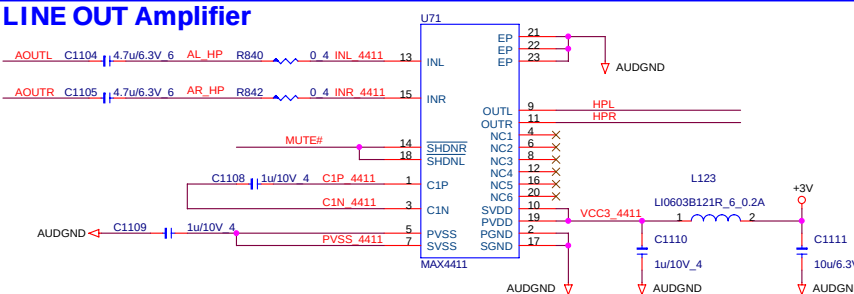
S AD19 R705 MP*150/F 4 MINI IDSEL



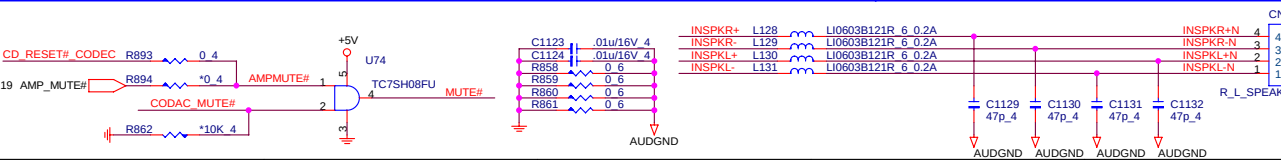
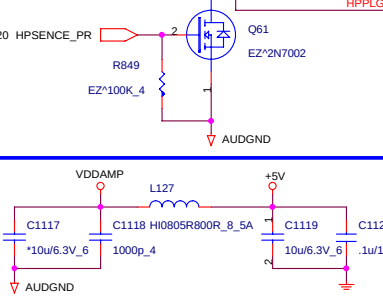
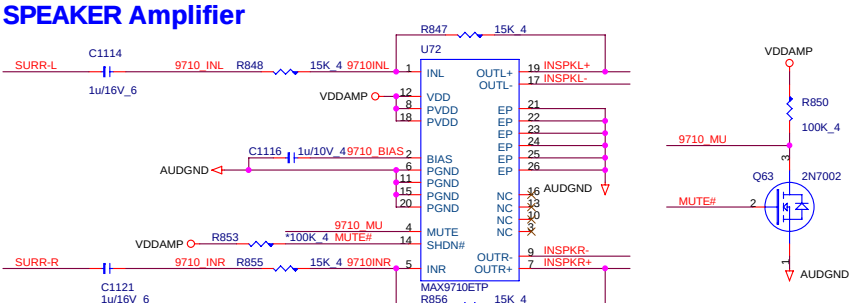
Audio Codec_ALC883



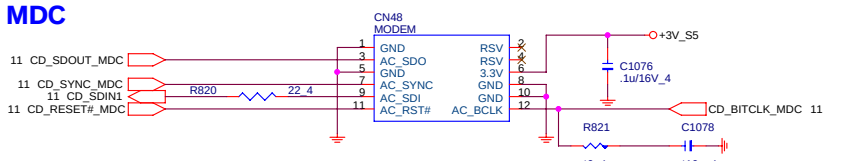
LINE OUT Amplifier



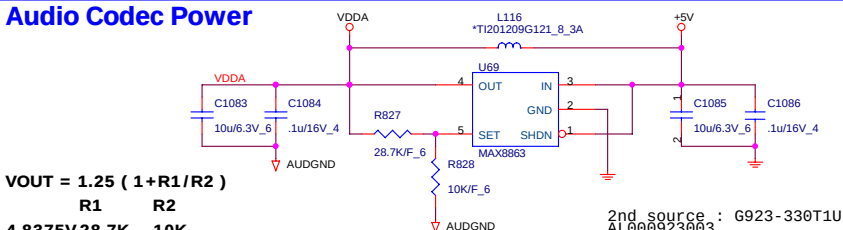
SPEAKER Amplifier



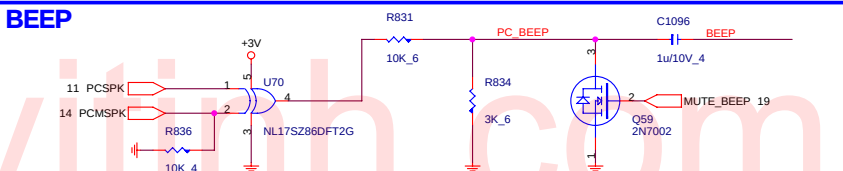
MDC



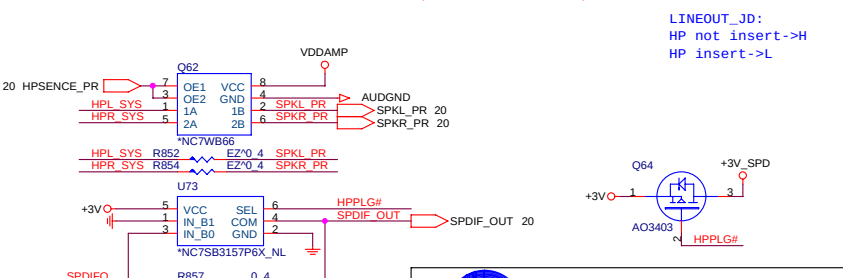
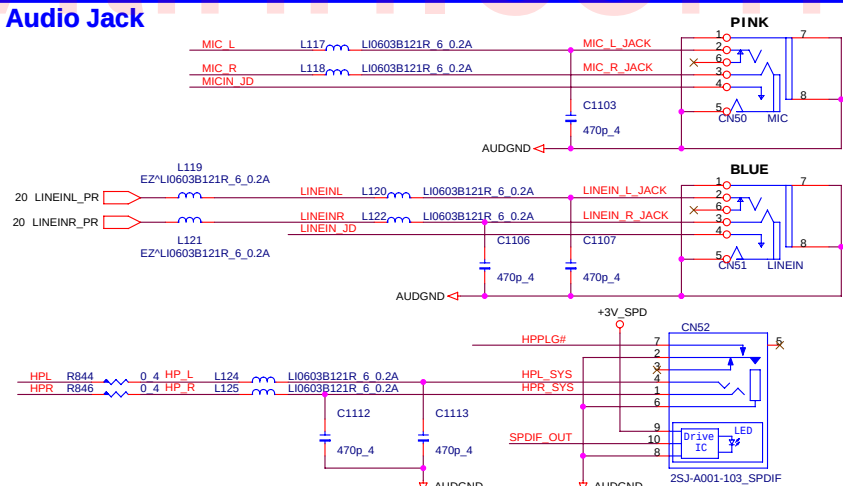
Audio Codec Power



BEEP



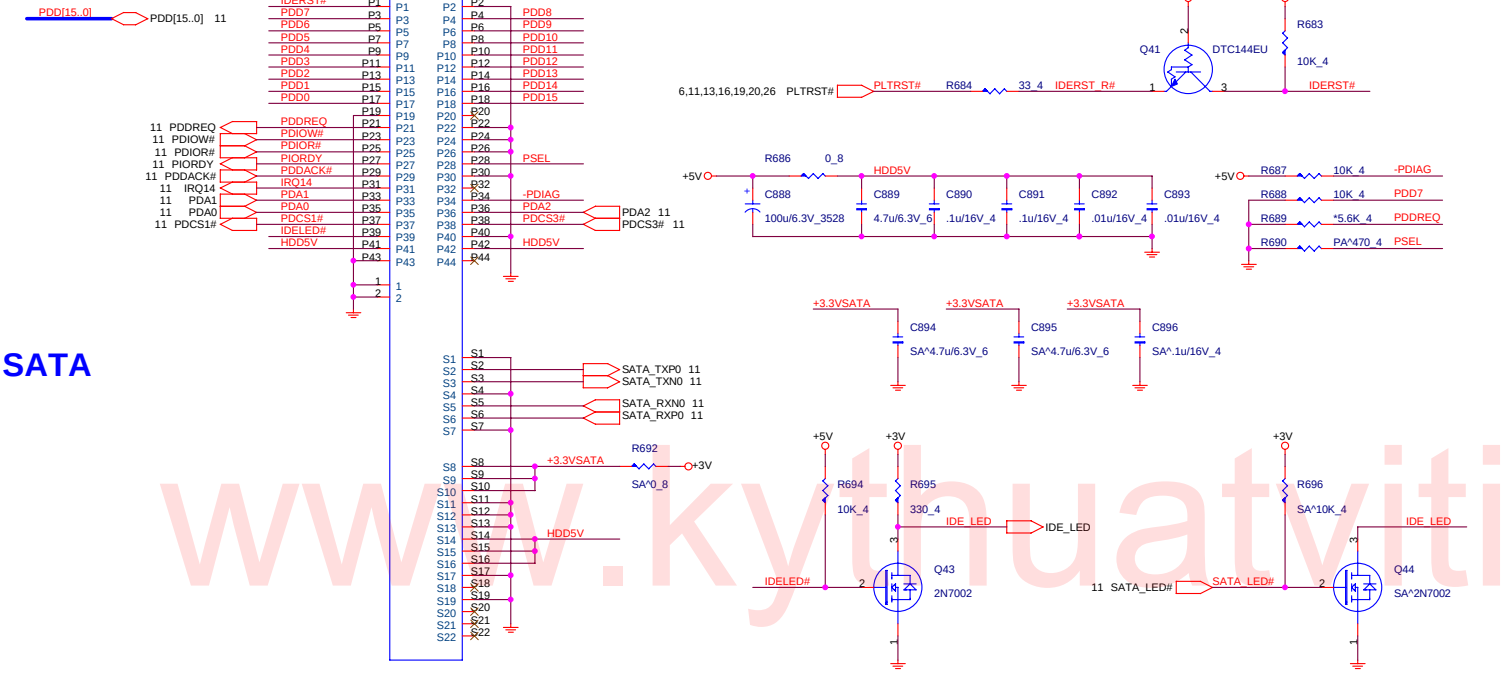
Audio Jack



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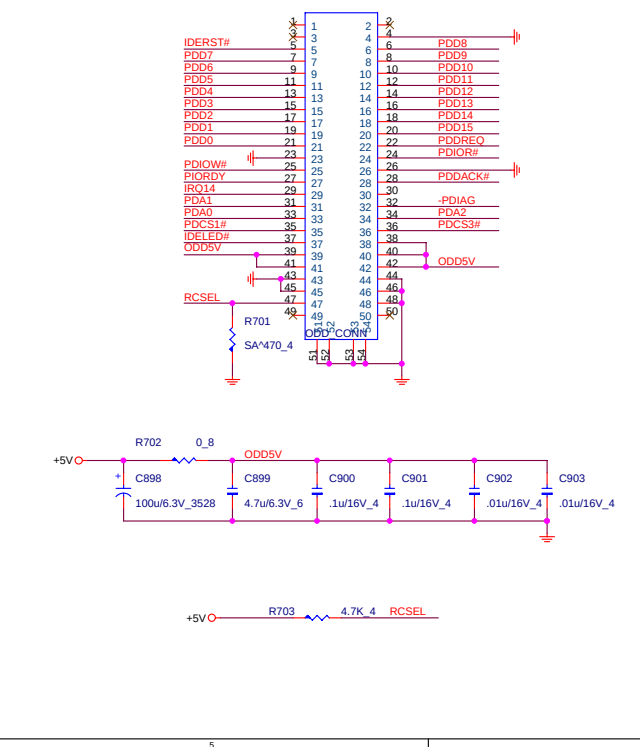
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	Audio Codec (ALC883)	1A
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HDD

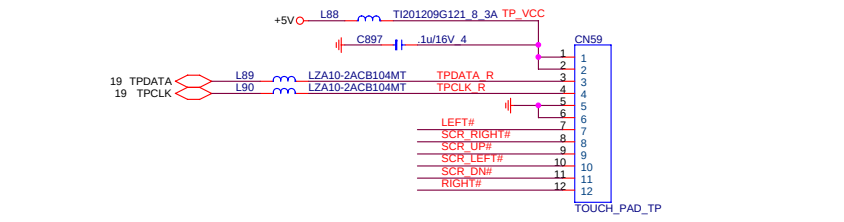


SATA

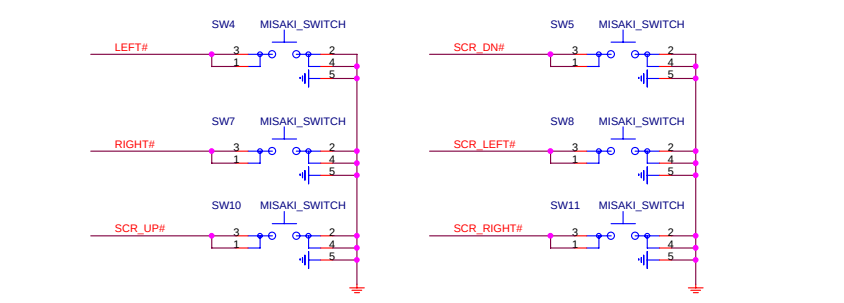
ODD



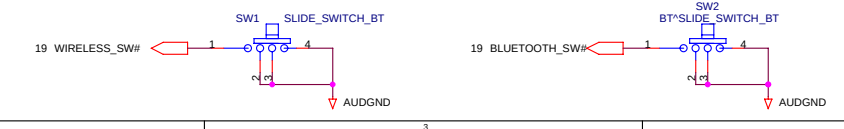
TP CONN



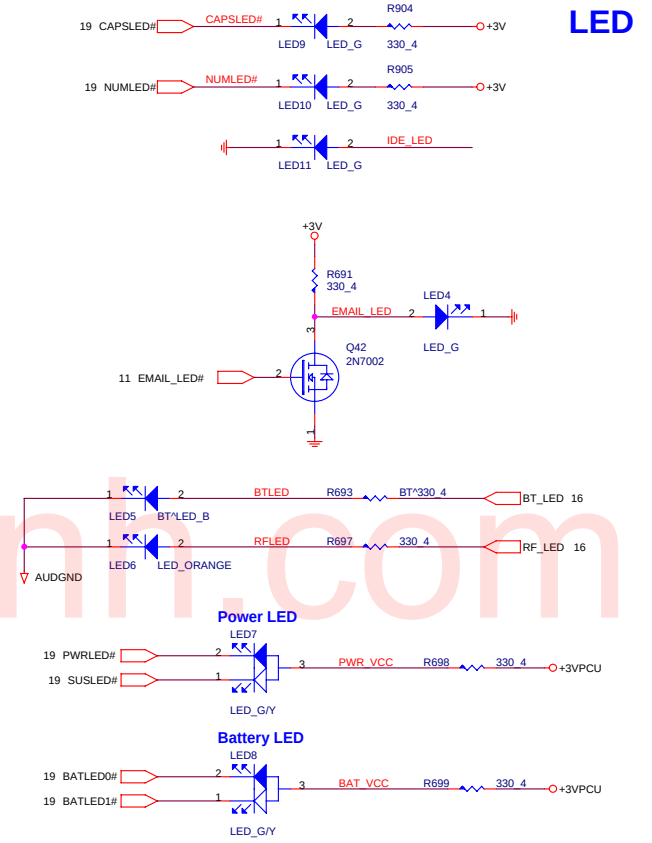
TP SWITCH



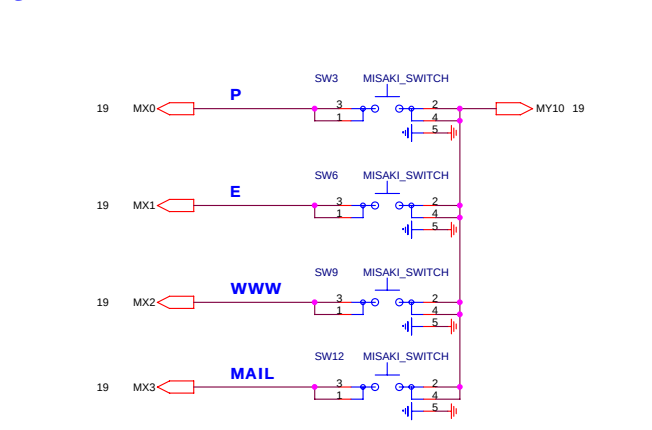
WL & BT SWITCH



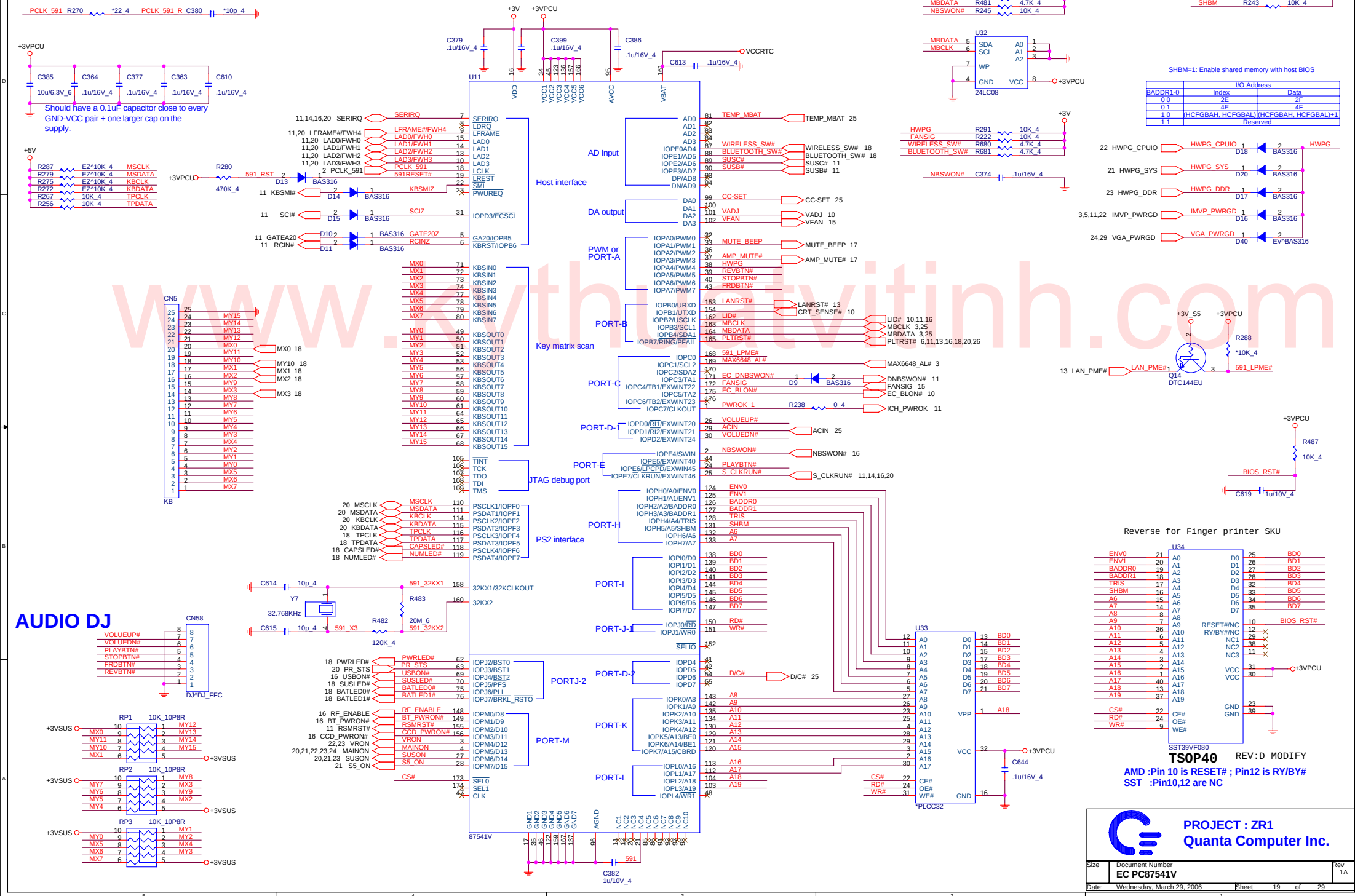
LED



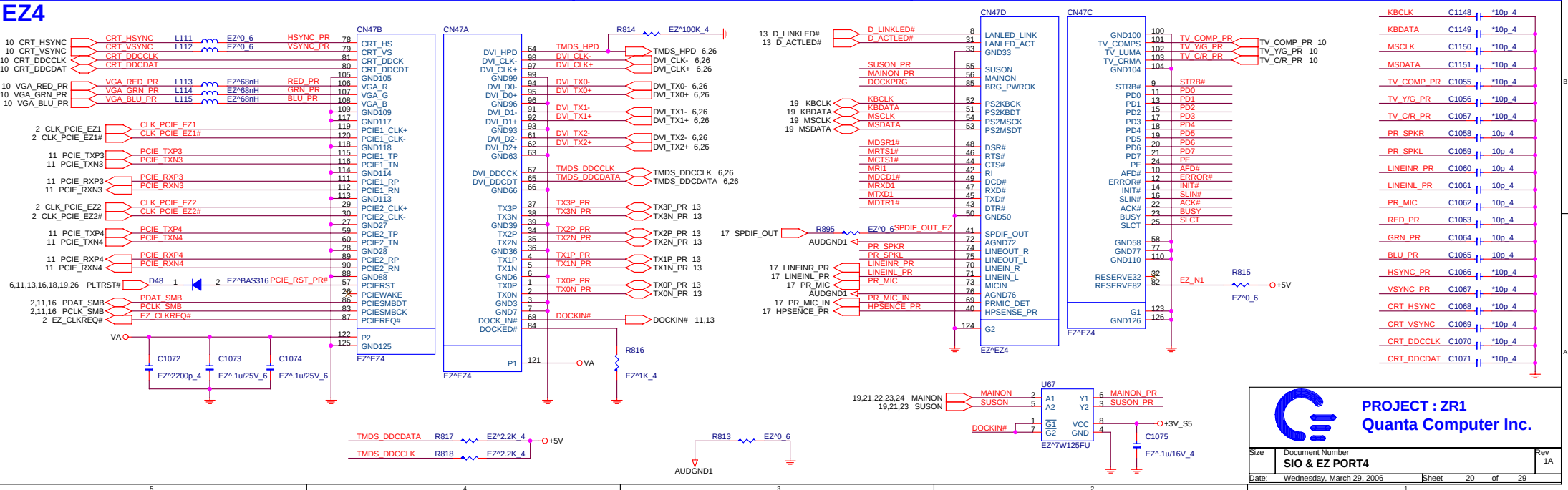
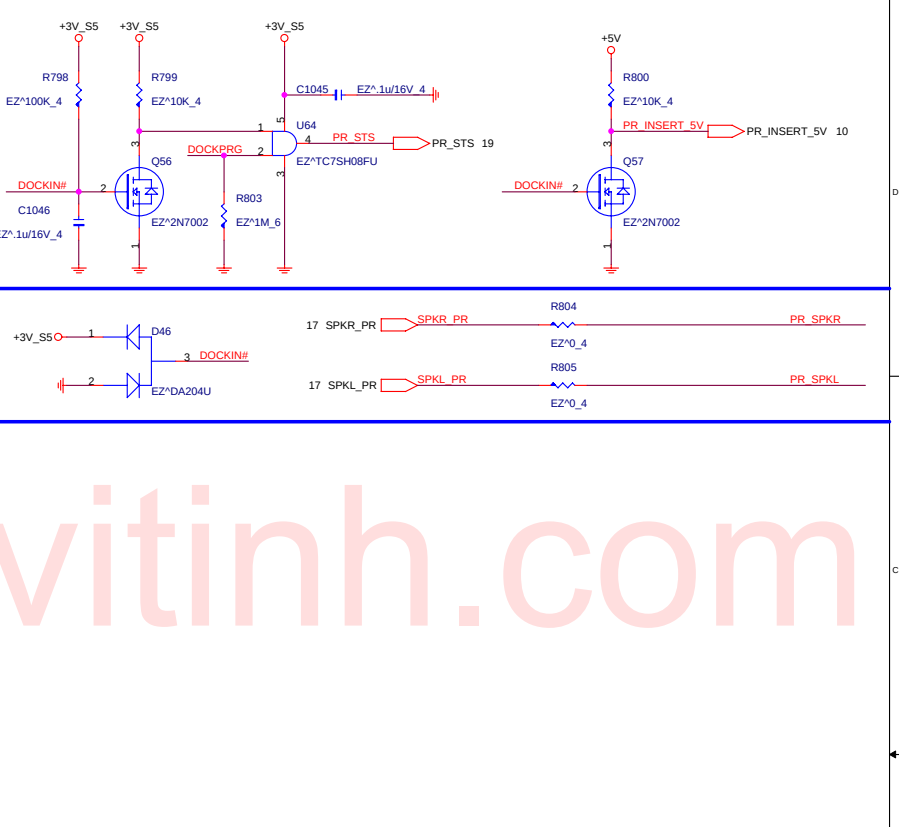
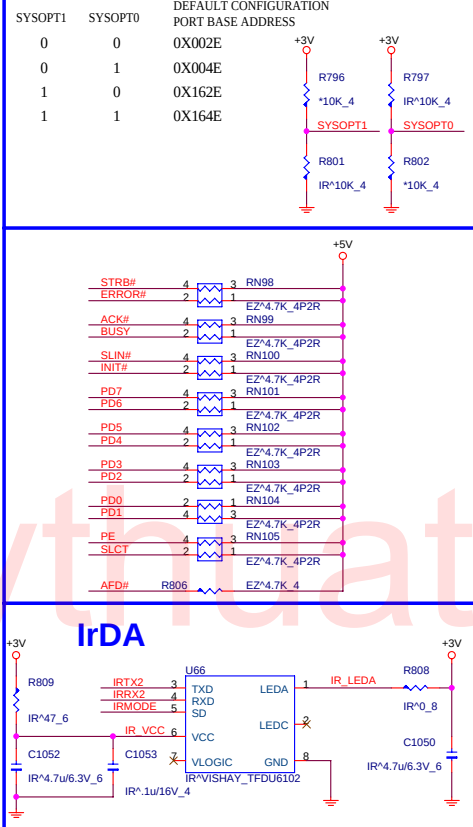
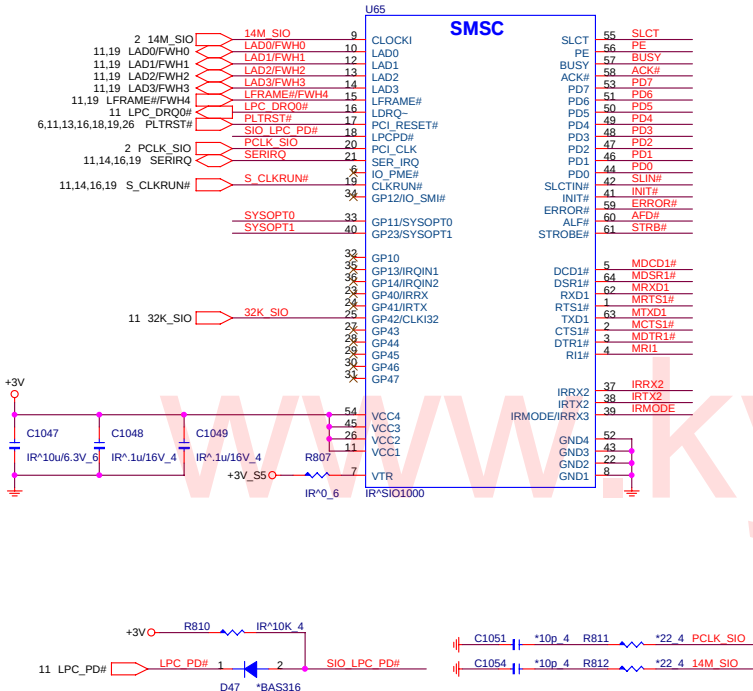
QUICK KEY SWITCH

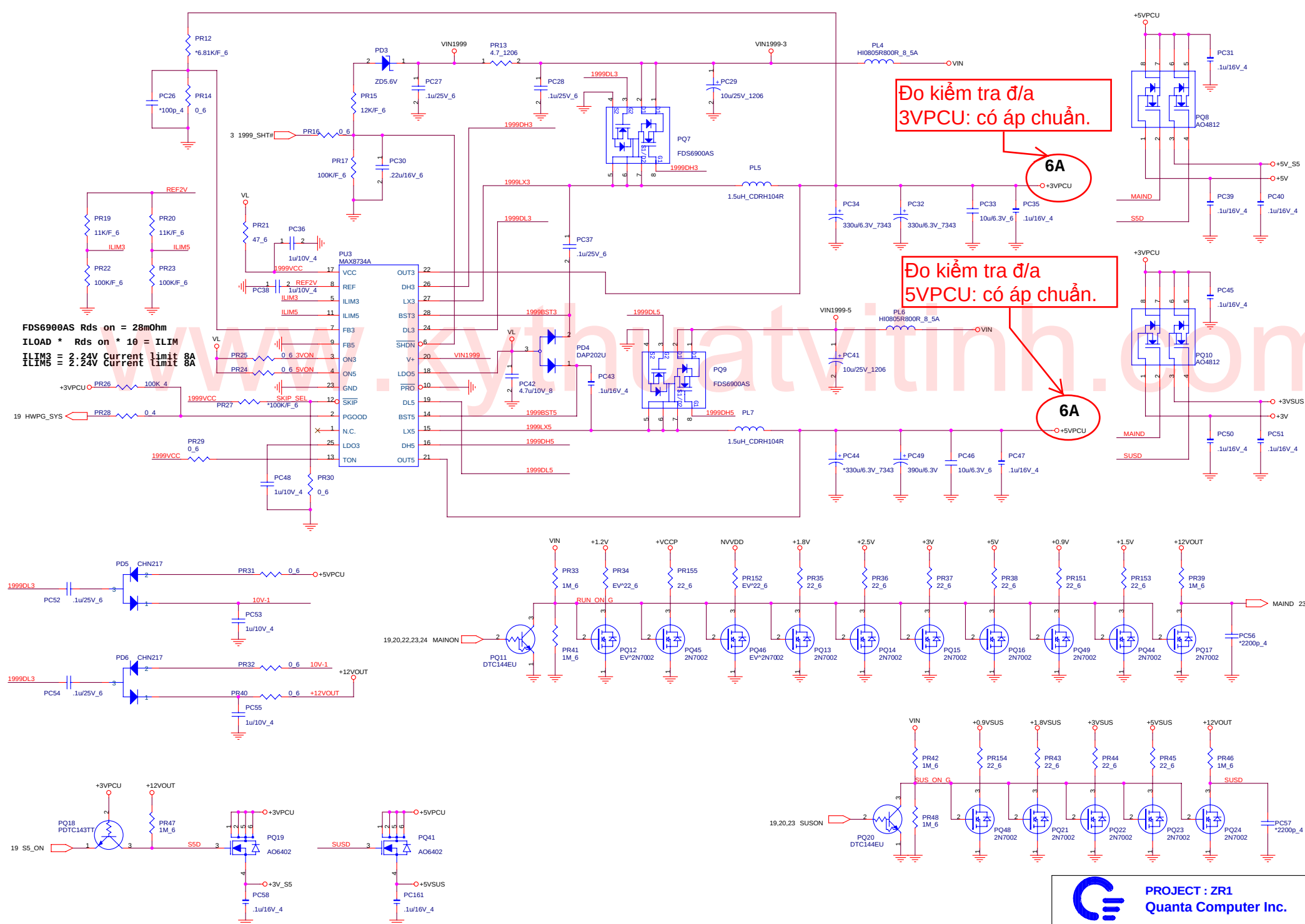


K/B CONTROLLER

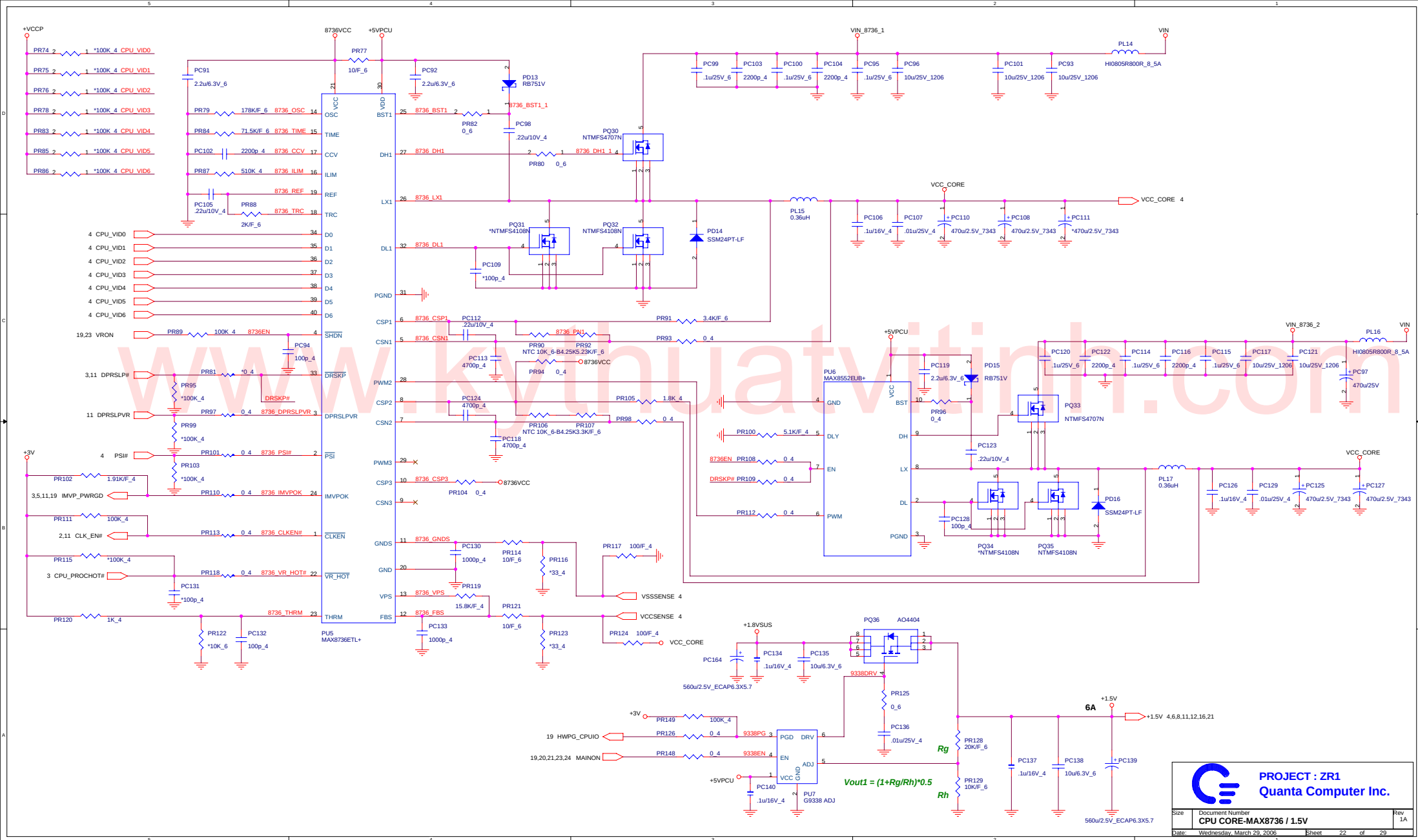


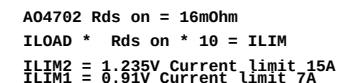
SMSC SIO1000



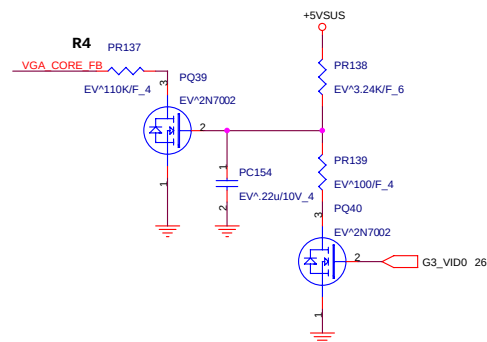
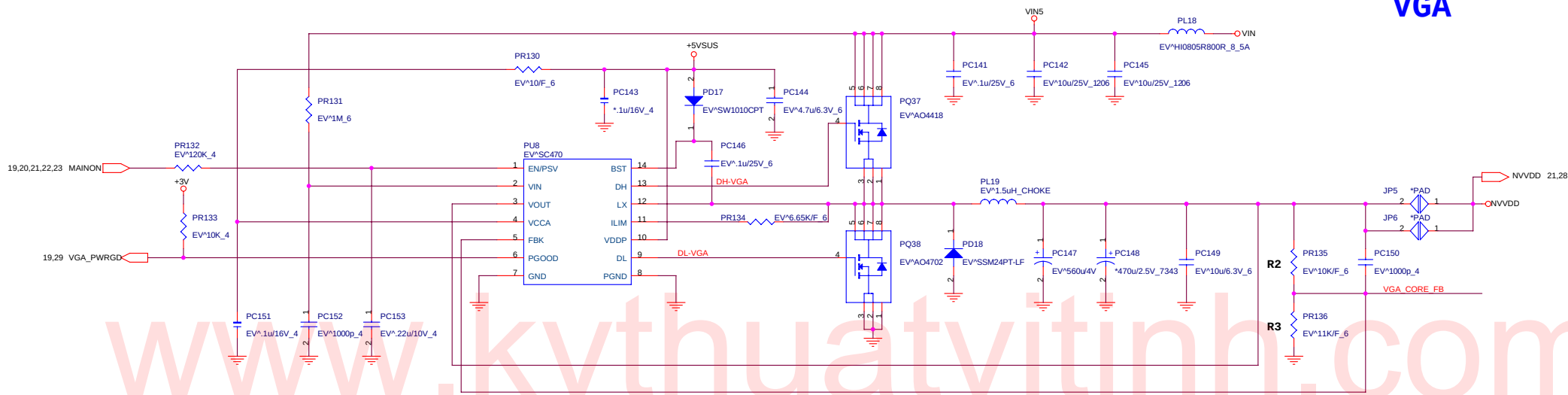


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VGA



HI --> $V_{OUT} = (1 + R2/R3) * 0.5$
 LO --> $V_{OUT} = (1 + R2/(R3//R4)) * 0.5$

M52P (G)

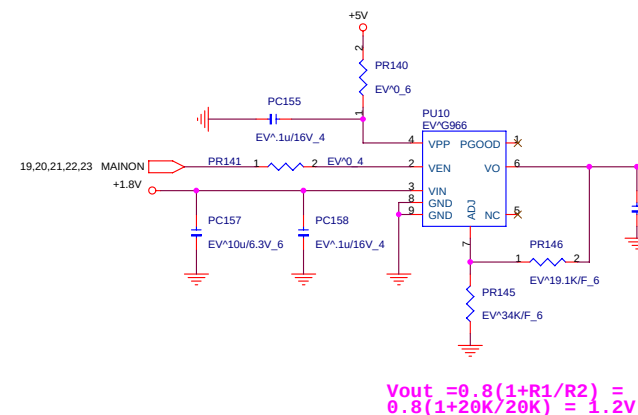
PR1 : 10K
 PR4 : 11K
 PR2 : 110K

M54P

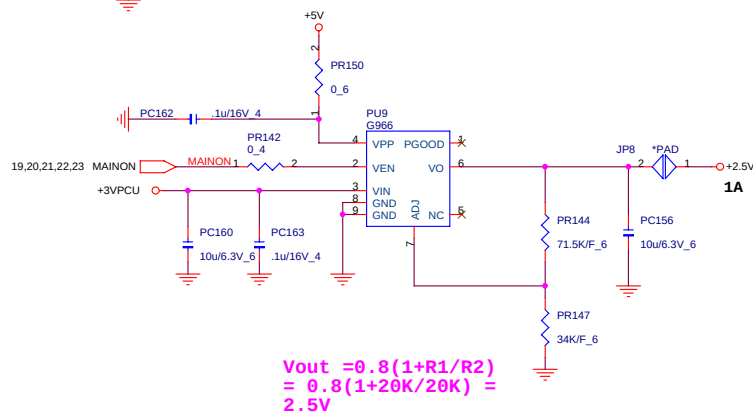
PR1 : 12K
 PR4 : 12K
 PR2 : 60.4K

Power Play Mode

VGA_PWR_SW	VGA_CORE
HI	0.95V -- M52P (G) 1.0V -- M54P
Default LO	1.0V -- M52P (G) 1.1V -- M54P



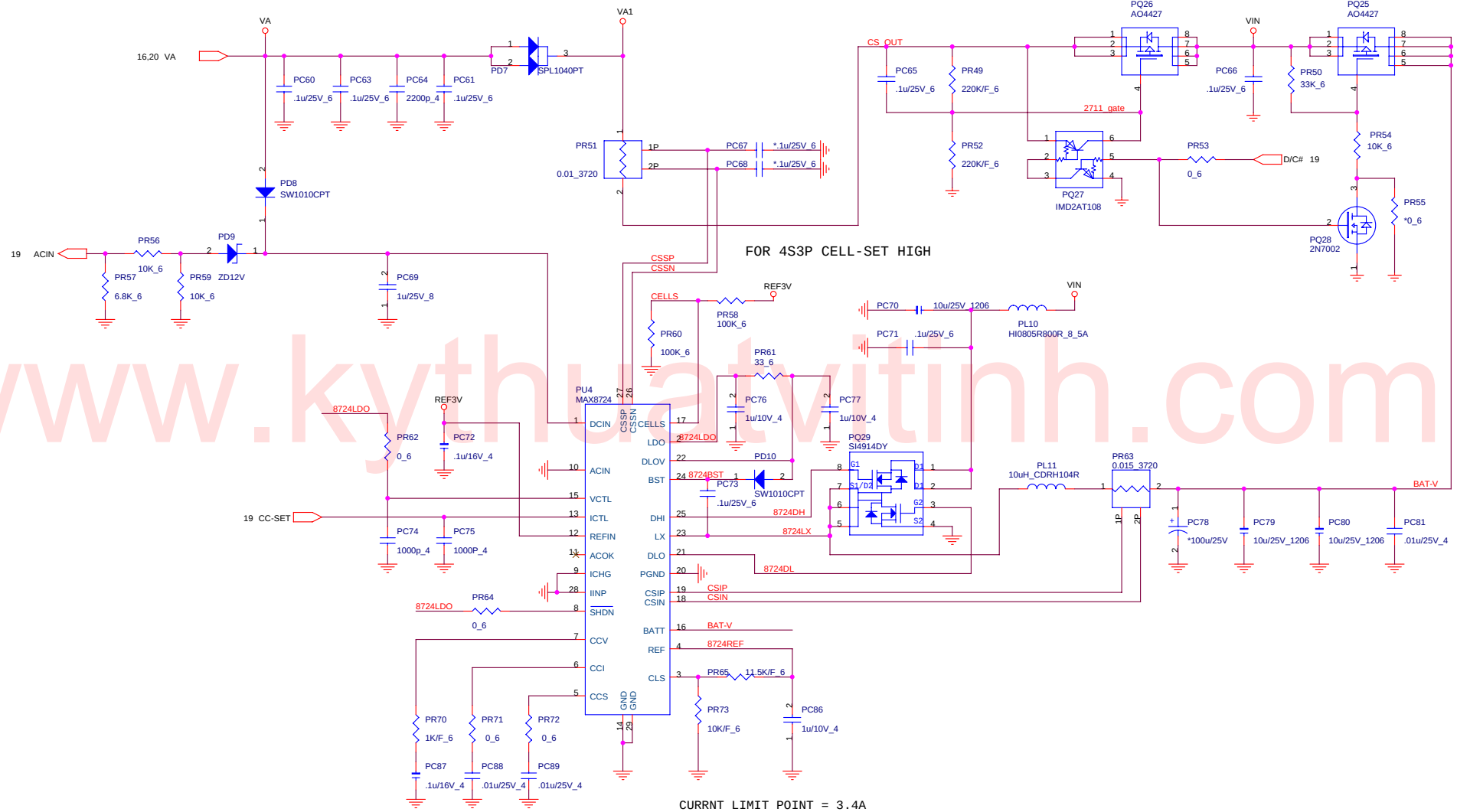
$V_{out} = 0.8(1 + R1/R2) = 0.8(1 + 20K/20K) = 1.2V$



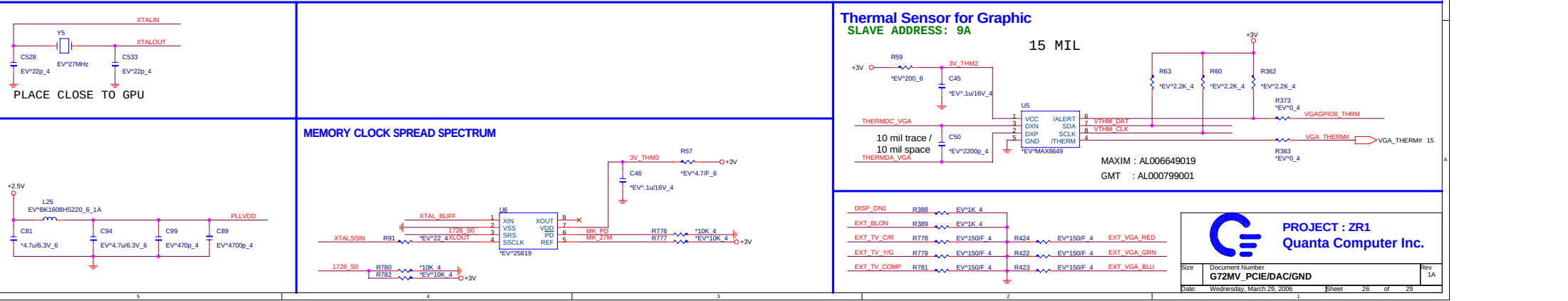
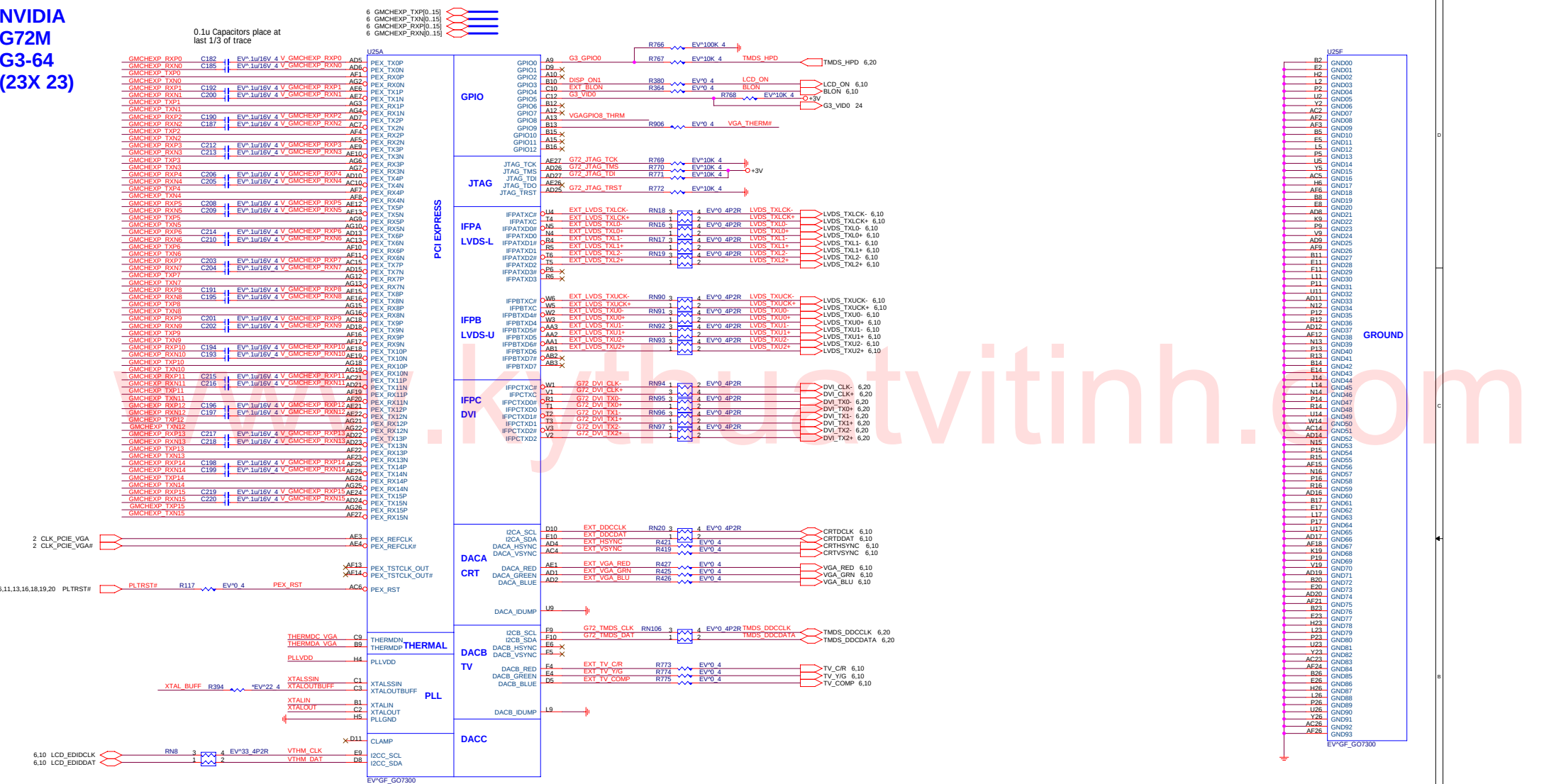
$V_{out} = 0.8(1 + R1/R2) = 0.8(1 + 20K/20K) = 2.5V$

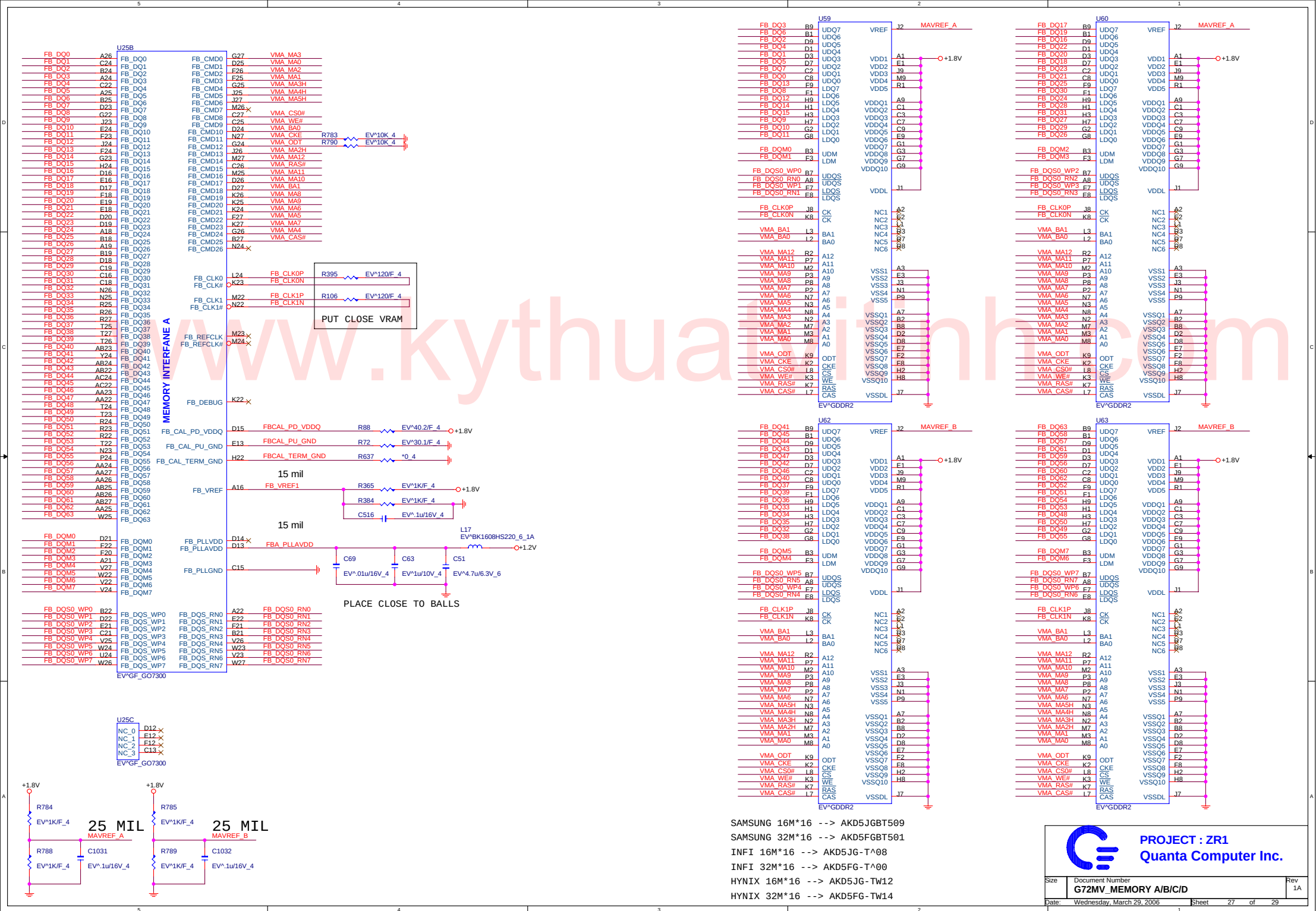


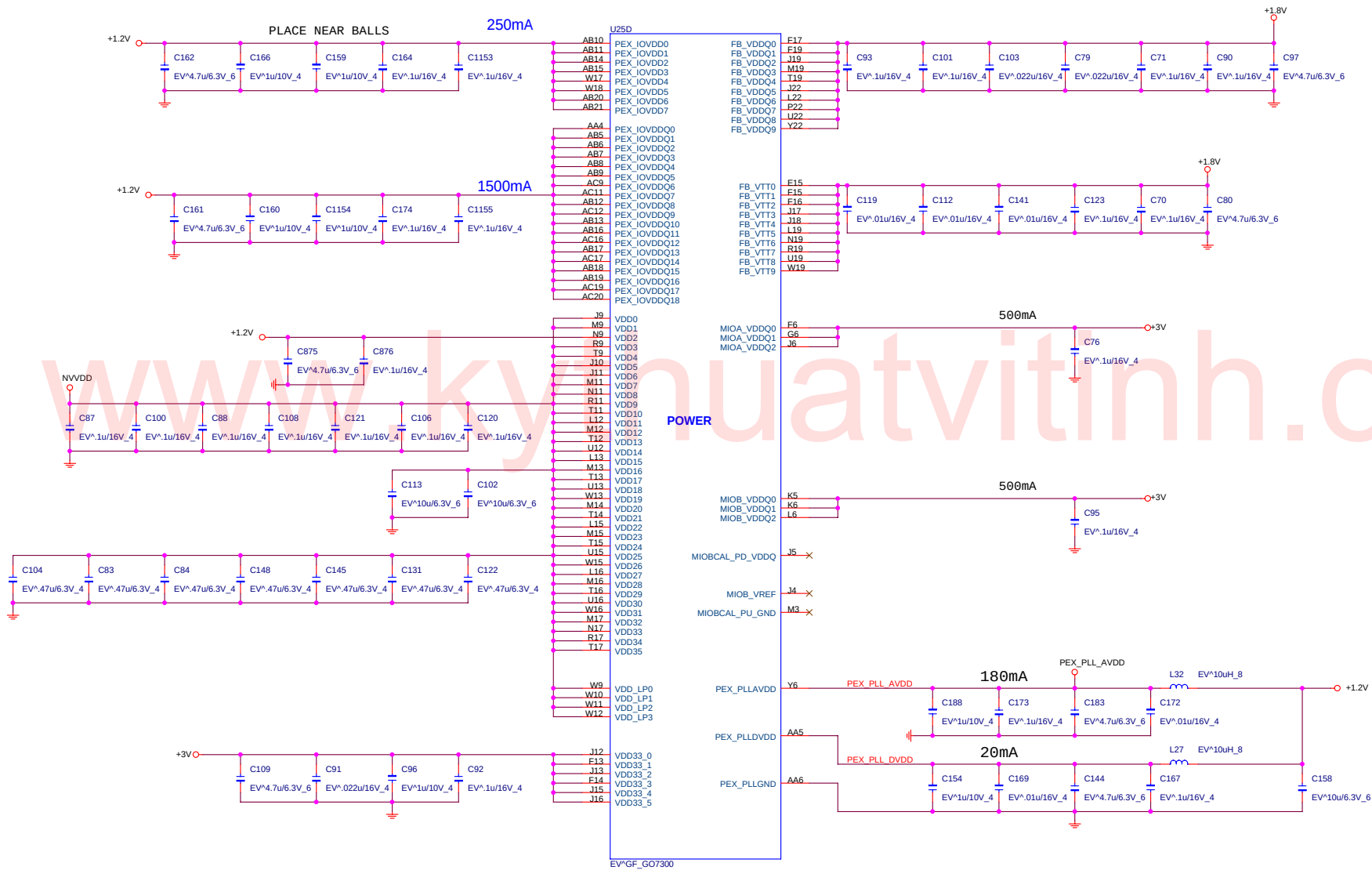
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NVIDIA
G72M
G3-64
(23X 23)







PROJECT : ZR1
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	G72MV_POWER	1A
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