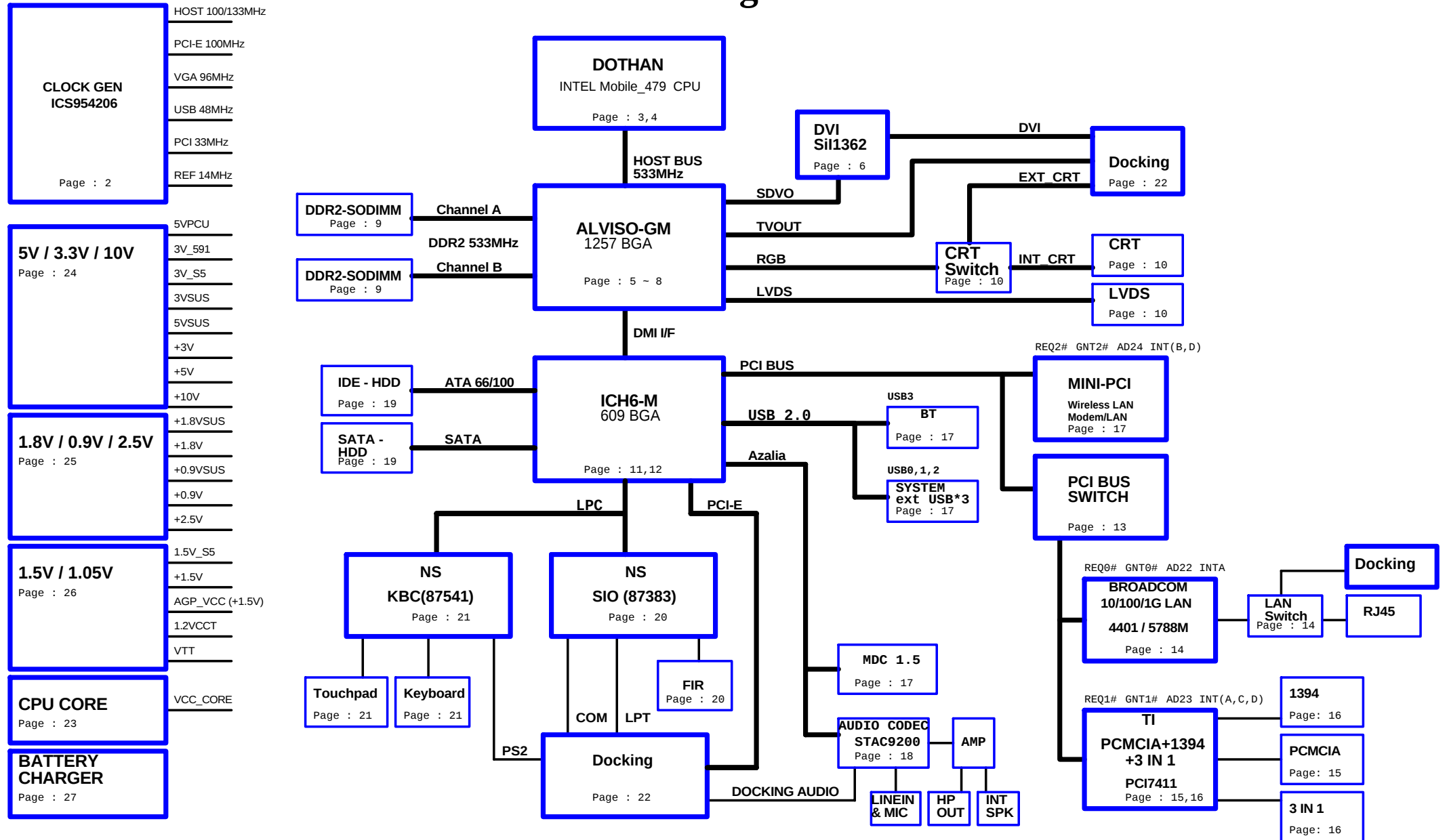


MODEL :		REV:	CHANGE LIST:	MODEL : ZH1 MB		
ZH1 MotherBoard	1A	FIRST RELEASE		PAGE	FROM	TO
	2A	PAGE02. 1.MODIFY BSEL0 & BSEL1 2.ADD PCIE CLOCK FOR SATA PAGE03. 1.UN-STUFF R218 PAGE05. 1.MODIFY BSEL0 & BSEL1 2. REMOVE M_OCDCOMP RESISTOR (Intel Errta) PAGE06. 1.MODIFY SDVO I2C BUS PULL HIGH TO 5.6K PAGE08. 1.MODIFY CAPACITOR P/N DUE TO ME ISSUE PAGE09. 1.MODIFY SO-DIMM SA0 & SA1 PAGE10. 1.MODIFY Q9,Q10 TO 2N7002 2. MODIFY RGB BEAD VALUE 3. DELETE SYNC BEFORE BUFFER RESISTOR 4. DELETE LCD_ON PULL DOWN RESISTOR PAGE11. 5.MODIFY LVDS CONNECTOR PAGE12. 1.MODIFY ICH-6 PULL HIGH RESISTOR VALUE 2. MODIFY Azalia LAYOUT TOPOLOGY 3.ADD SATA CIRCUIT 4. LAN_RST# CONNECT TO PLTRST# PAGE14. 1.MODIFY LAN POWER TO +1.5V & +3V (S3-S4 OFF) PAGE15. 1.MODIFY LAN RDAC TO 1.18K FOR IEEE TEST PAGE16. 1.MODIFY IDSEL RESISTOR TO 150 OHM PAGE17. 1394 POWER CLASS TO 30W 2.MODIFY CRYSTAL CL VALUE 3.ADD MOS FOR 1394 POWER PAGE18. 1.MODIFY IDSEL RESISTOR TO 150 OHM 2. MODIFY Azalia LAYOUT TOPOLOGY 3. MODIFY USB COMMON CHOKE FOOTPRINT & P/N PAGE19. 1.MODIFY Azalia LAYOUT TOPOLOGY 2. DELETE R458 3. ADD DIODE FOR HPS PAGE20. 1.MODIFY LED7,LED8 FOOTPRINT 2.ADD SATA INTERFACE HDD 3.REMOVE R465 , 6648_OV# USE PULL HIGH +3V PAGE21. 1.MODIFY IrDA C504 LOCATION PAGE22. 1.MODIFY KB MATRIX 2. ADD PME & MAX6648_AL# PAGE23. 1.MODIFY U18 FOOTPRINT PAGE24. 1.MODIFY PR116 FROM 787/F TO 1.54K/F FOR CPU LOAD LINE 2.MODIFY P041 FROM SUD50N03-09P TO A0D404 FOR CPU EFFICIENCY PAGE25. 1.REMOVE P02,P03,PR74 AND MOUNT PR57 FOR POWER SOURCE OF TURN ON MOSFET 2.ADD PR136,PR137,PC132,PC133 FOR EMI REQUEST PAGE26. 1.MODIFY PR78 NETNAME S5 ON CHANGE TO NETNAME SUSON 2.MODIFY PR80,PC89 FOR EMI REQUEST 3.MODIFY +VCCP POWER UP SEQUENCE PAGE27. 1.ADD PR138,PR139,PC134,PC135 FOR EMI REQUEST 2.REMOVE JP2,JP3 PAGE27. 1.REMOVE PC98 FOR ME REQUEST 2.MODIFY PR26 FROM 22K/F TO 12K/F FOR CONSTANT CURRENT LIMIT		1	1A	
	2B	PAGE 05. MODIFY NB P/N PAGE 06. MODIFY NB P/N PAGE 07. MODIFY NB P/N PAGE 08. MODIFY NB P/N PAGE 11. MODIFY SB P/N PAGE 12. MODIFY SB P/N		2	2A	
				3	2A	
				4	1A	
				5	2B	
				6	2B	3A
				7	2B	
				8	2B	
				9	2A	3A
				10	2A	3A
				11	2B	
				12	2B	
	3A	PAGE 06. ADD DVI SERIAL RESISTORS FOR EMI PAGE 09. MODIFY DDR2 CONNECTOR P/N PAGE 10. MODIFY RGB BEAD FROM 22 TO 30 PAGE 13. MODIFY CRYSTAL SERIAL RESISTOR R354 TO 200 OHM PAGE 14. MODIFY PCI BUS PAGE 15. MODIFY 1394 POWER SWITCH GATE ENABLE SIGNAL PAGE 16. MODIFY USB POWER SWITCH PAGE 17. MODIFY AUDIO POWER & AMP INPUT CIRCUIT PAGE 18. MODIFY FAN & SW BOARD CONNECTOR P/N PAGE 21. MODIFY RGB FOR EMI SOLUTION PAGE 22. MODIFY CAPACITOR FOR NOISE PAGE 23. STUFF SNUBBER CIRCUIT PAGE 24. UN-STUFF PC23 & STUFF SNUBBER CIRCUIT PAGE 25. STUFF SNUBBER CIRCUIT PAGE 26. STUFF SNUBBER CIRCUIT		13	2A	3A
				14	2A	3A
				15	2A	3A
				16	2A	3A
				17	2A	3A
				18	2A	3A
				19	2A	
				20	2A	
				21	2A	3A
				22	2A	3A
				23	2A	3A
				24	2A	3A
				25	2A	3A
				26	2A	3A

 Quanta Computer Inc.	PROJECT : ZH1	APPROVE BY: JIM HSU	DRAWING BY:JACKY CHENG	REV 3A	COVER SHEET 1 OF 1
	MB ASSY'S P/N : 31ZH1MB0001	PROJECT LEADER: JIM HSU	DOCUMENT NO: 204	DATE :2004/12/16	

ZH1 Block Diagram

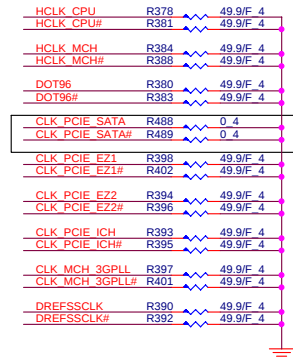
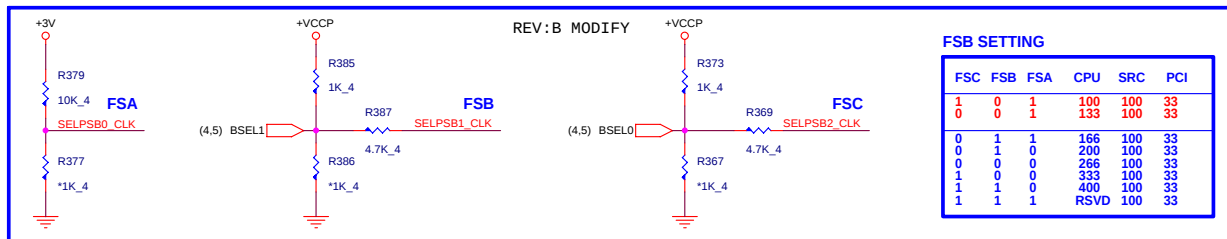
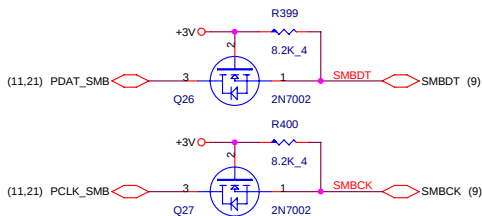
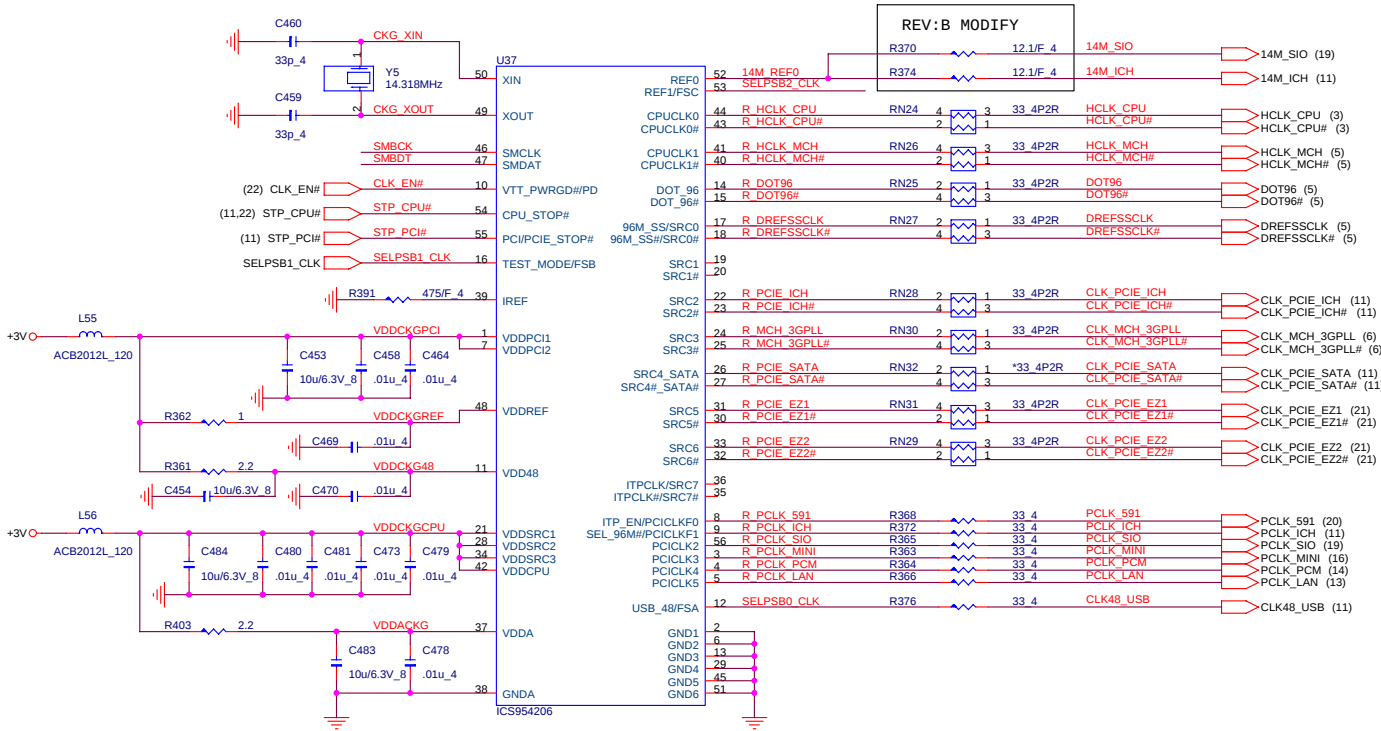


PCI ROUTING TABLE	IDSEL	INTERUPT	DEVICE
REQ0# / GNT0#	AD22	INTA#	BROADCOM LAN
REQ2# / GNT2#	AD24	INTB# , INTD#	MINI-PCI
REQ1# / GNT1#	AD23	INTC# , INTD# , INTA#	TI 7411

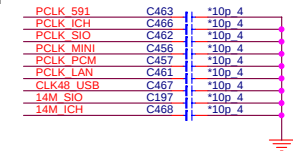


PROJECT : ZH1
Quanta Computer Inc.

Size	Document Number	Rev
	BLOCK DIAGRAM	1A
Date: Wednesday, January 19, 2005	Sheet 1 of 27	



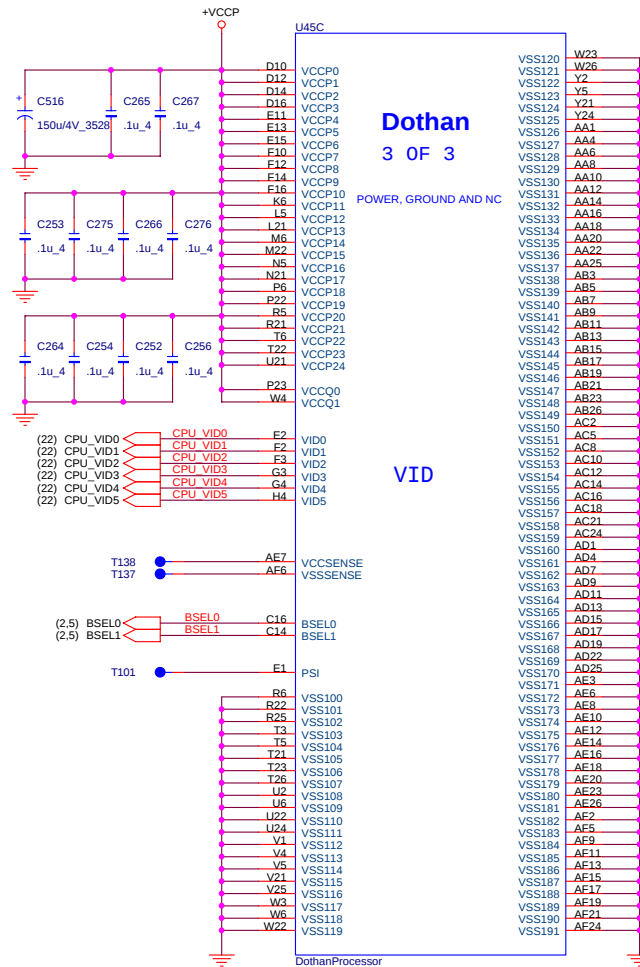
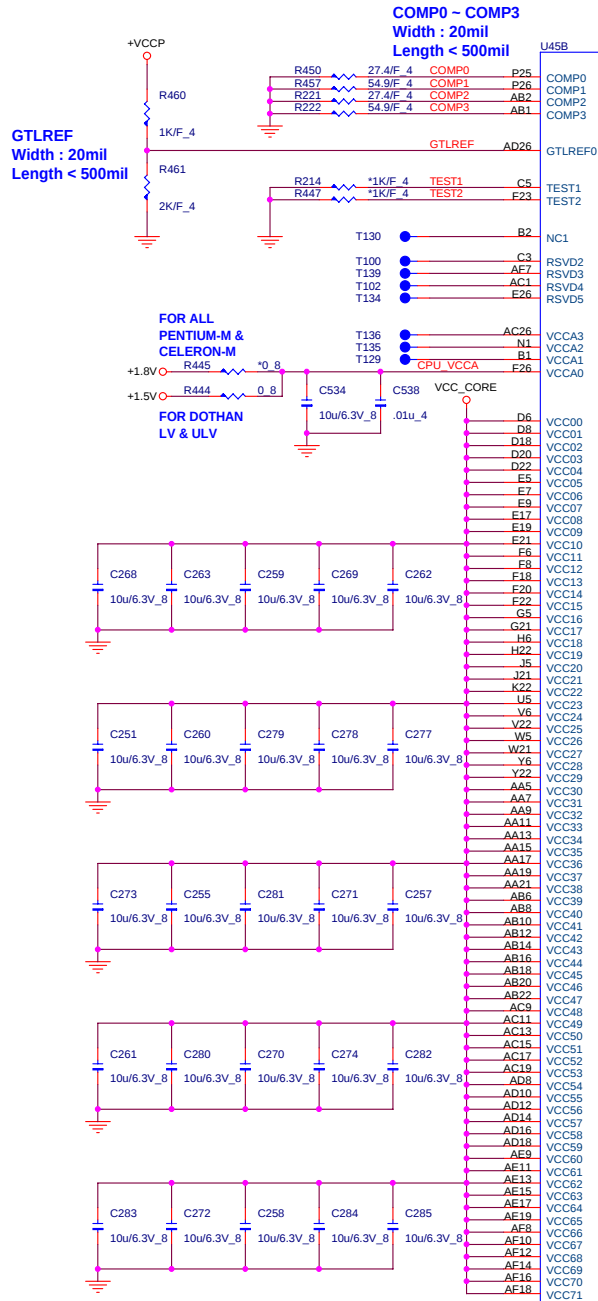
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W SATA : 49.9 1% 0HM

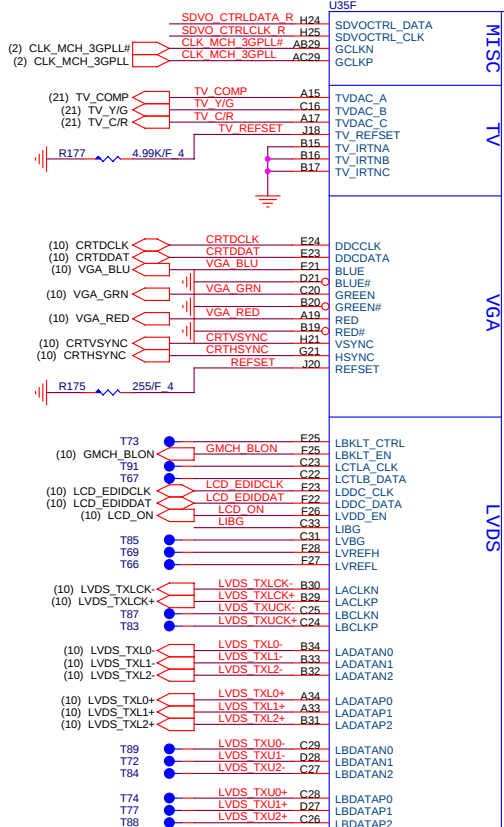


96MSS/SRC0 SELECT
0: 96MSS 1: SRC0
R PCLK_ICH R375 1K 4
R PCLK_591 R371 1K 4
ITP/SRC7 SELECT
0: SRC7 1: ITP

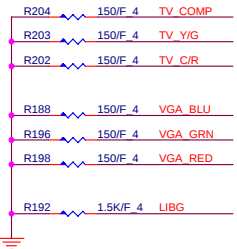
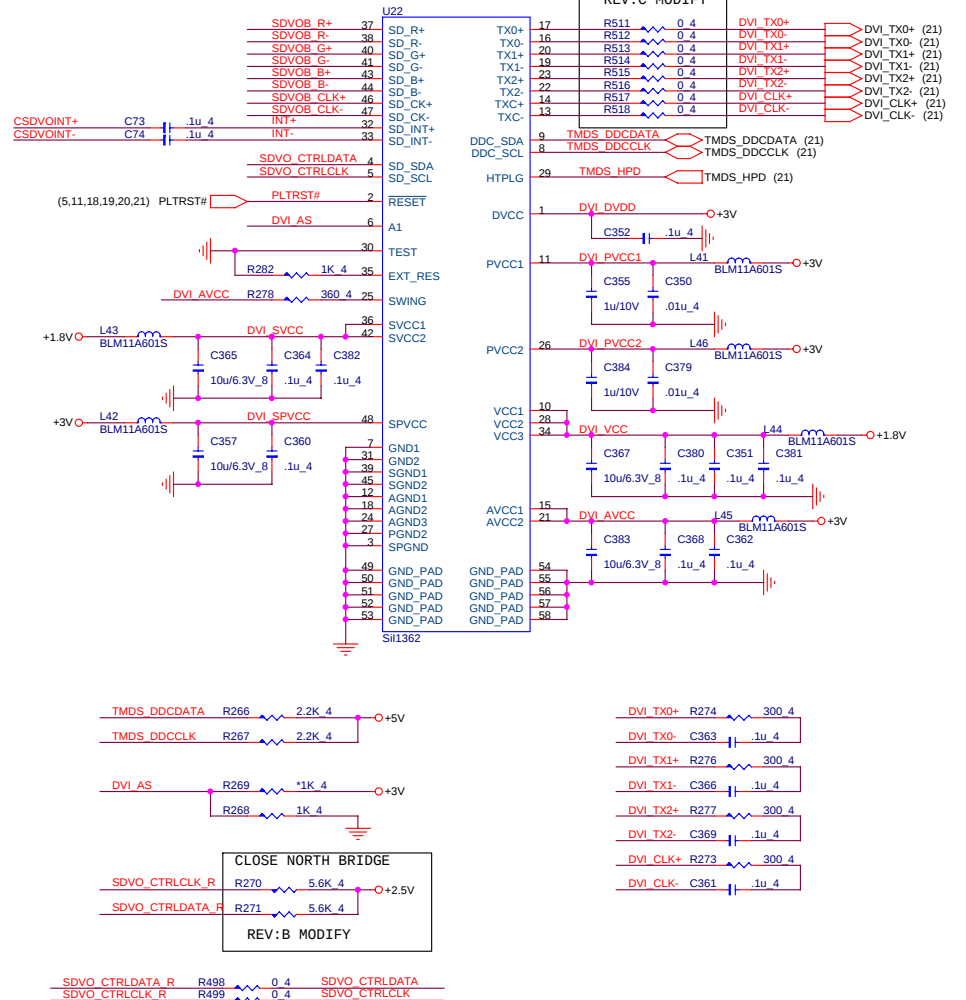
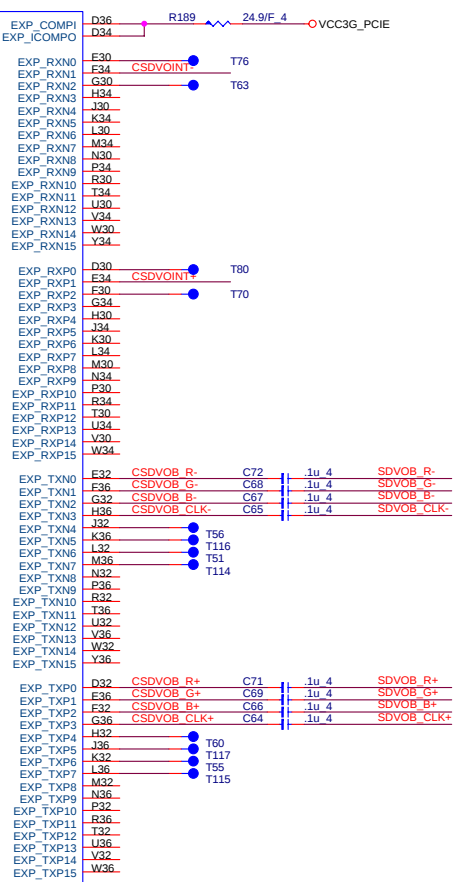


PROJECT : ZH1
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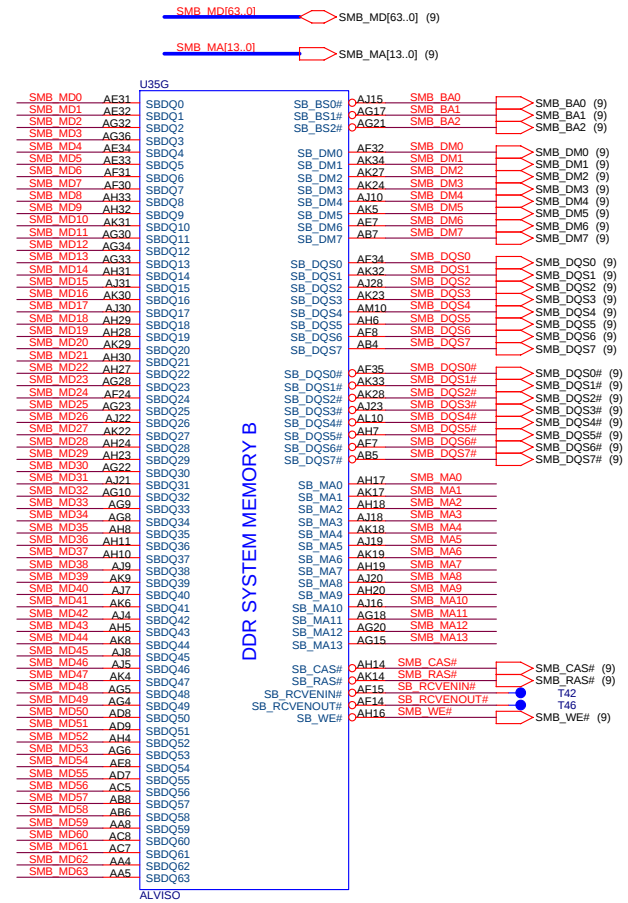


PCI-EXPRESS GRAPHICS



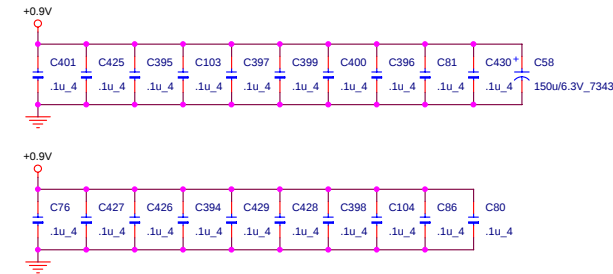
PROJECT : ZH1
Quanta Computer Inc.

Size	Document Number	Rev
	GMCH (VGA)	3A
Date:	Wednesday, January 19, 2005	Sheet 6 of 27

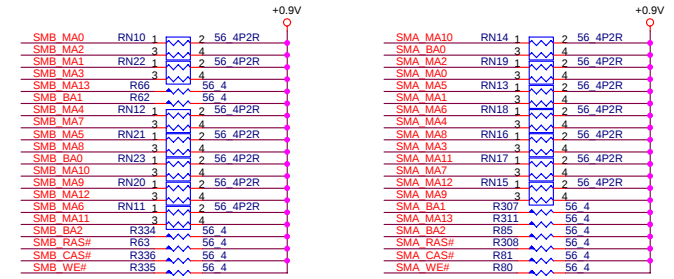
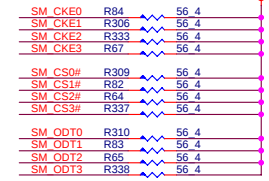


PROJECT : ZH1
Quanta Computer Inc.

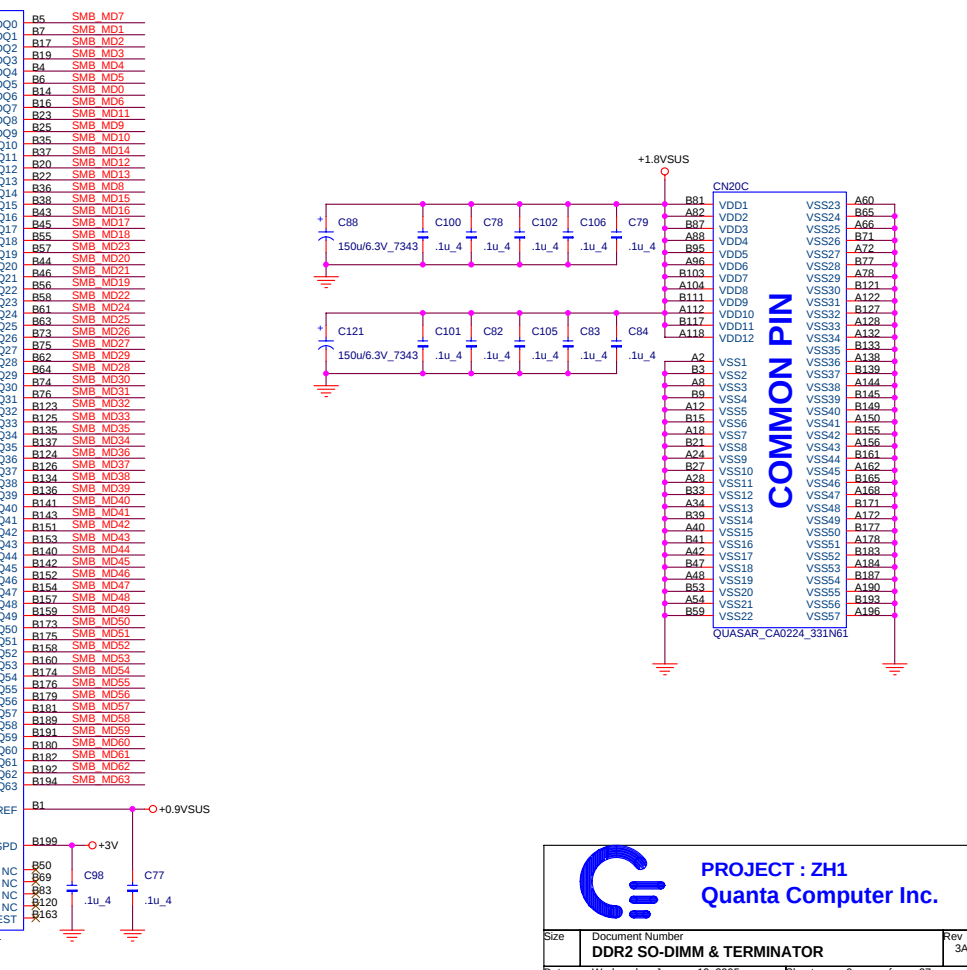
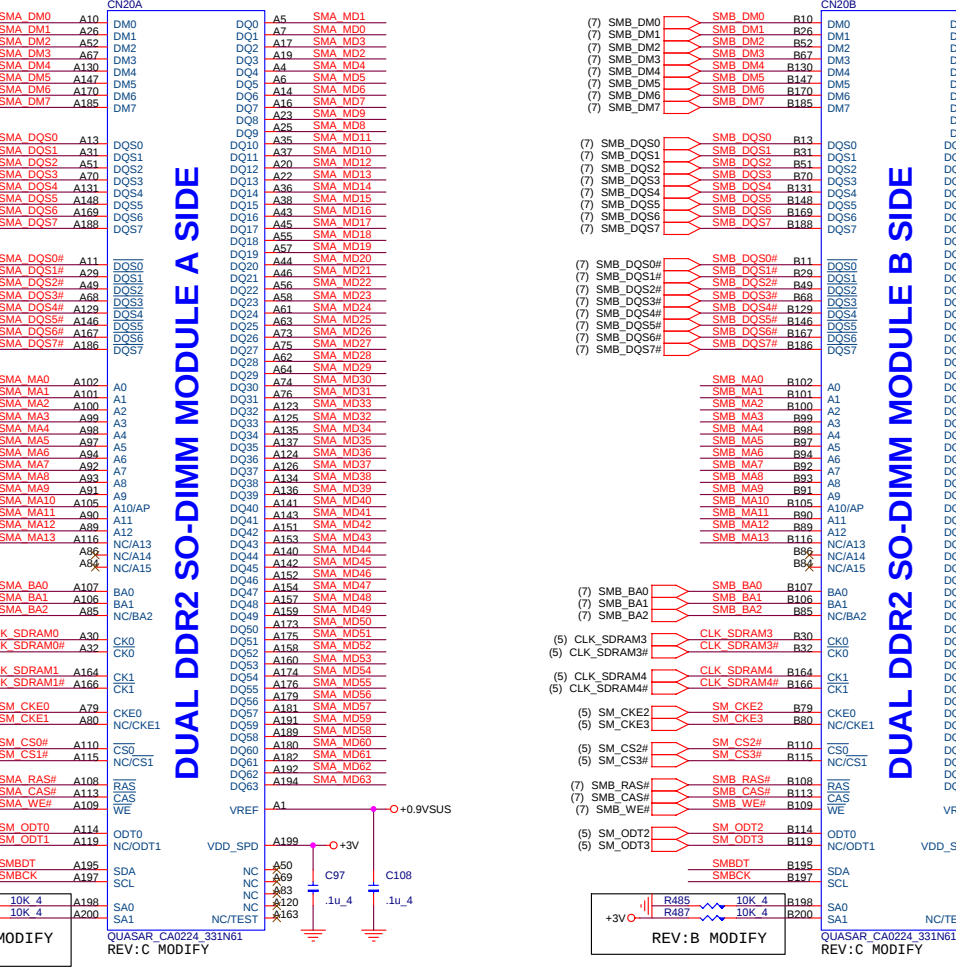
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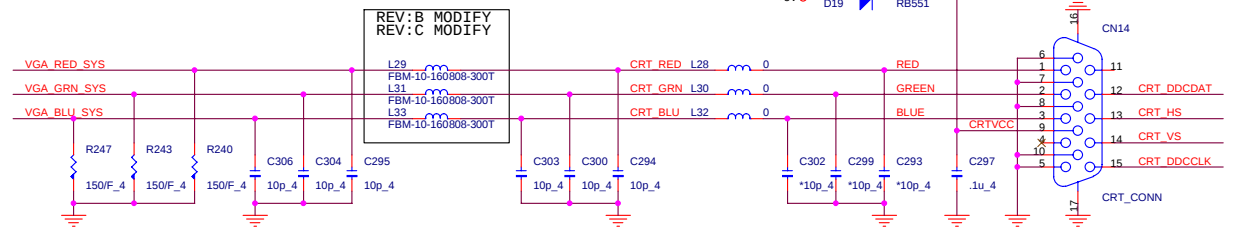
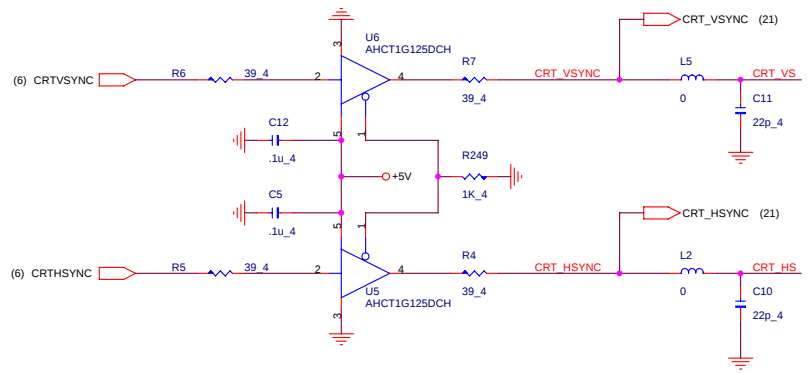
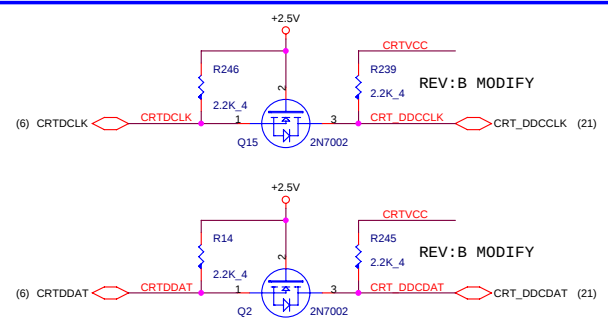
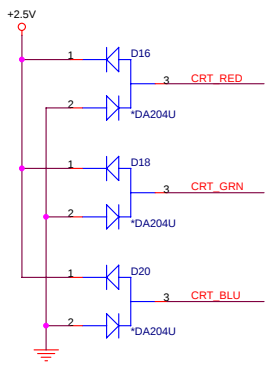
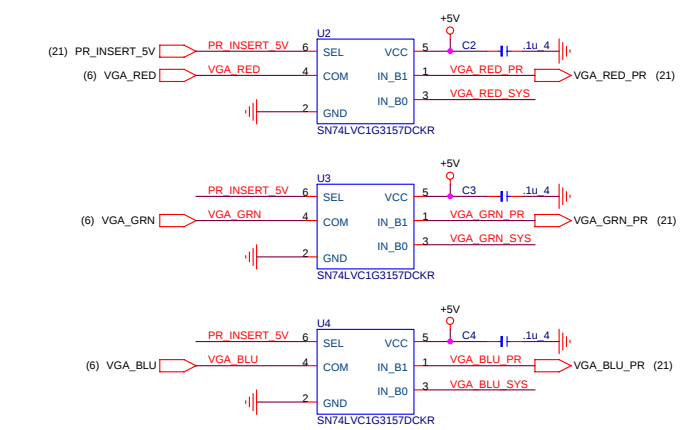
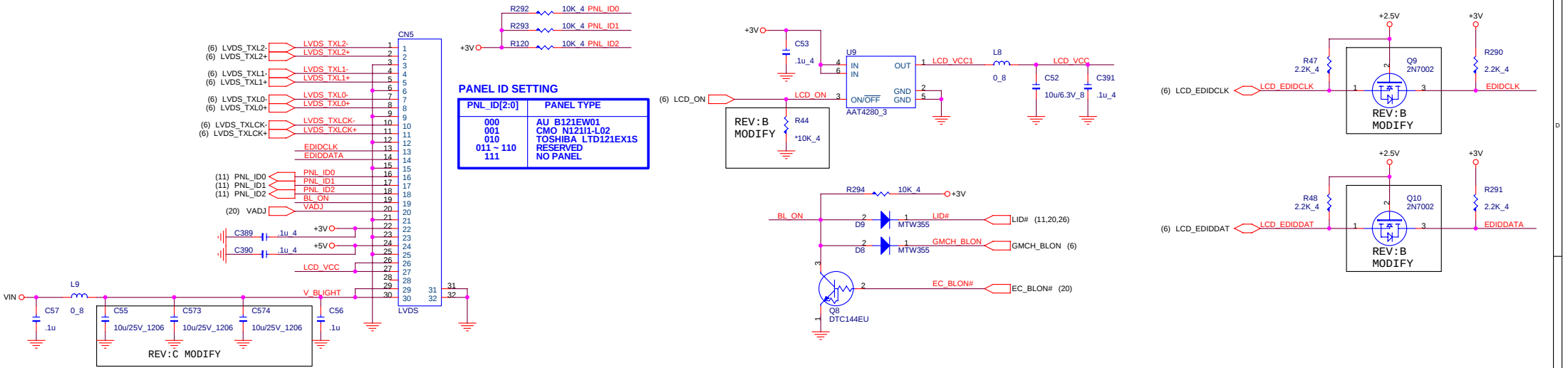


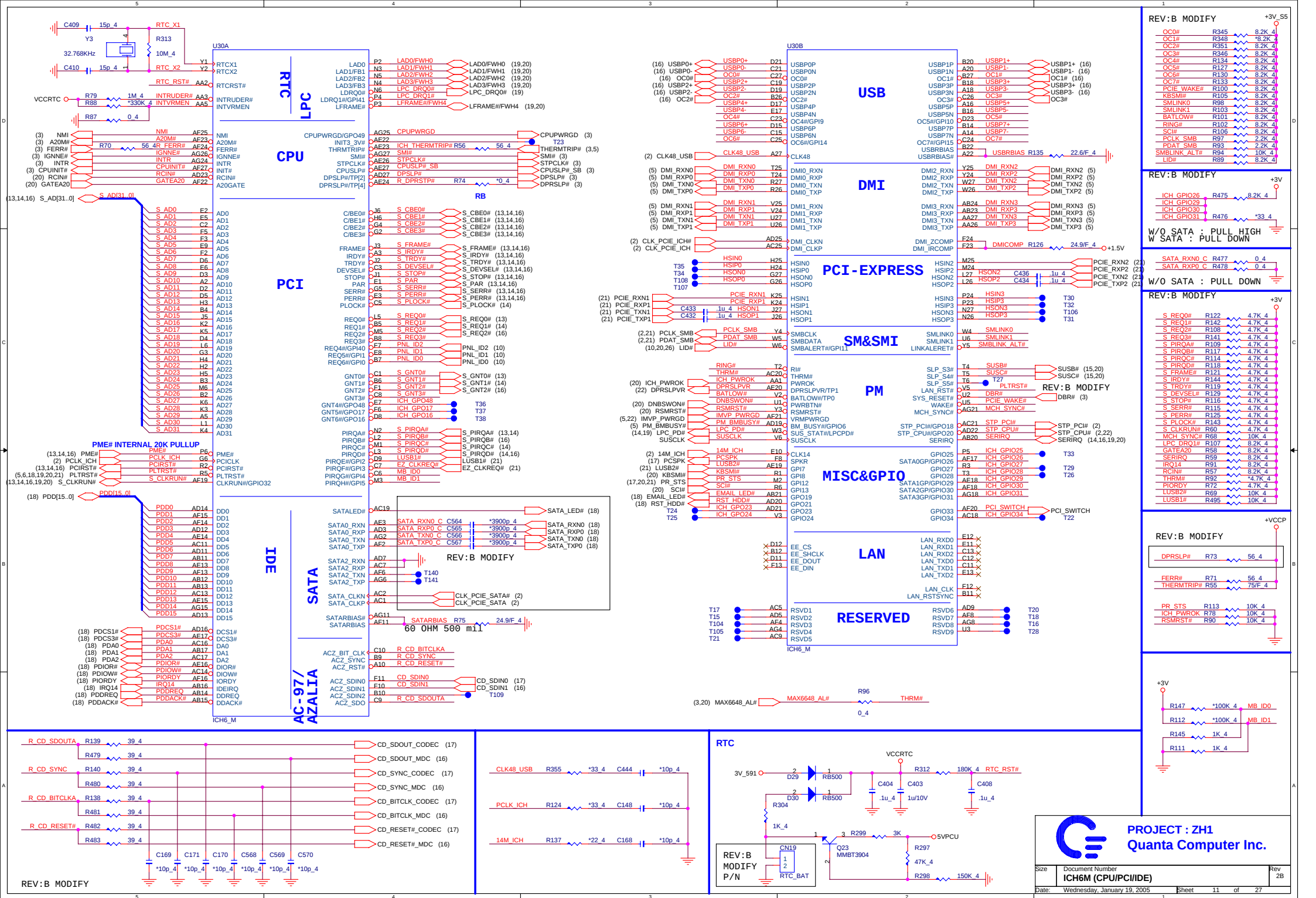
DDR2 TERMINATOR

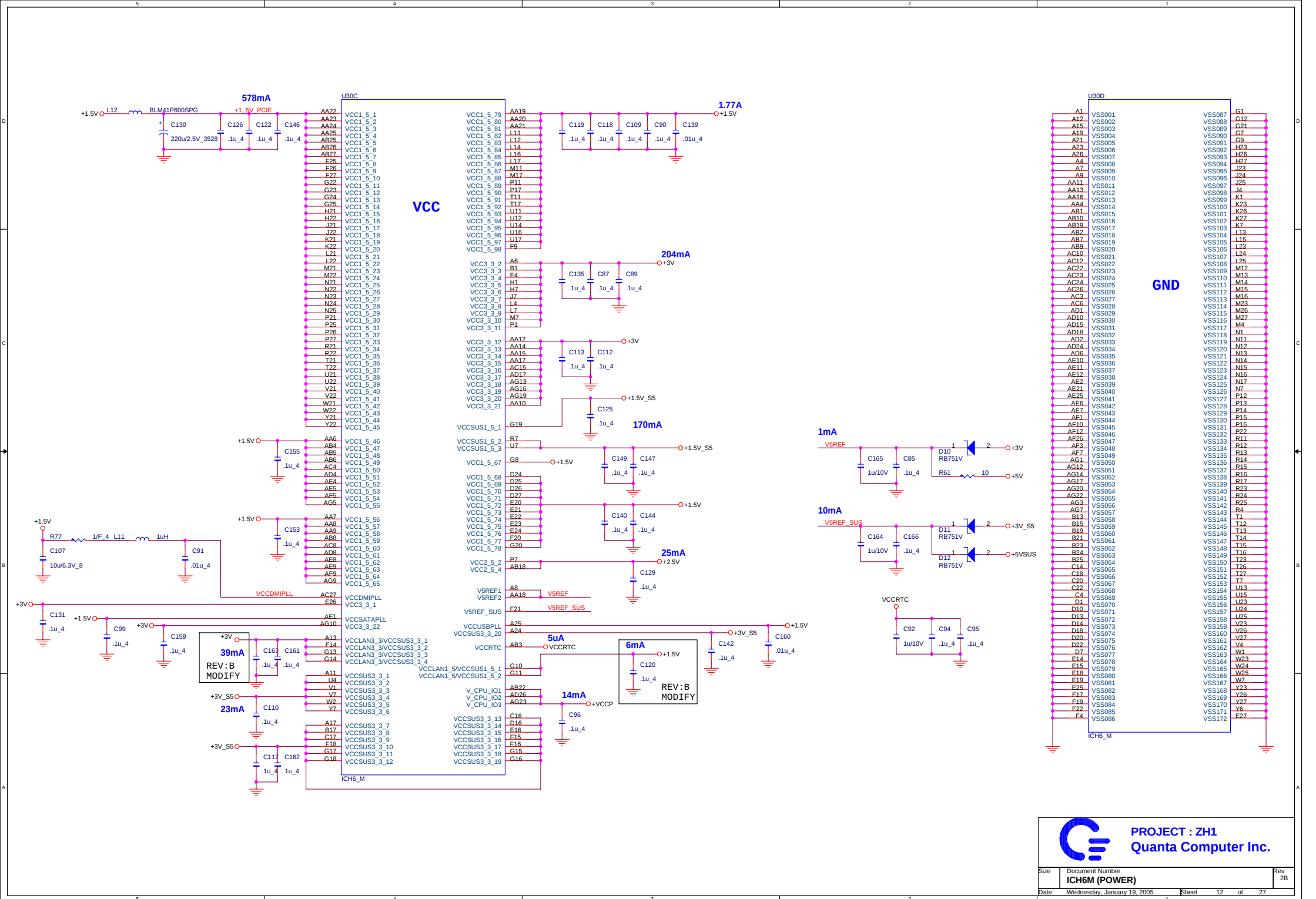


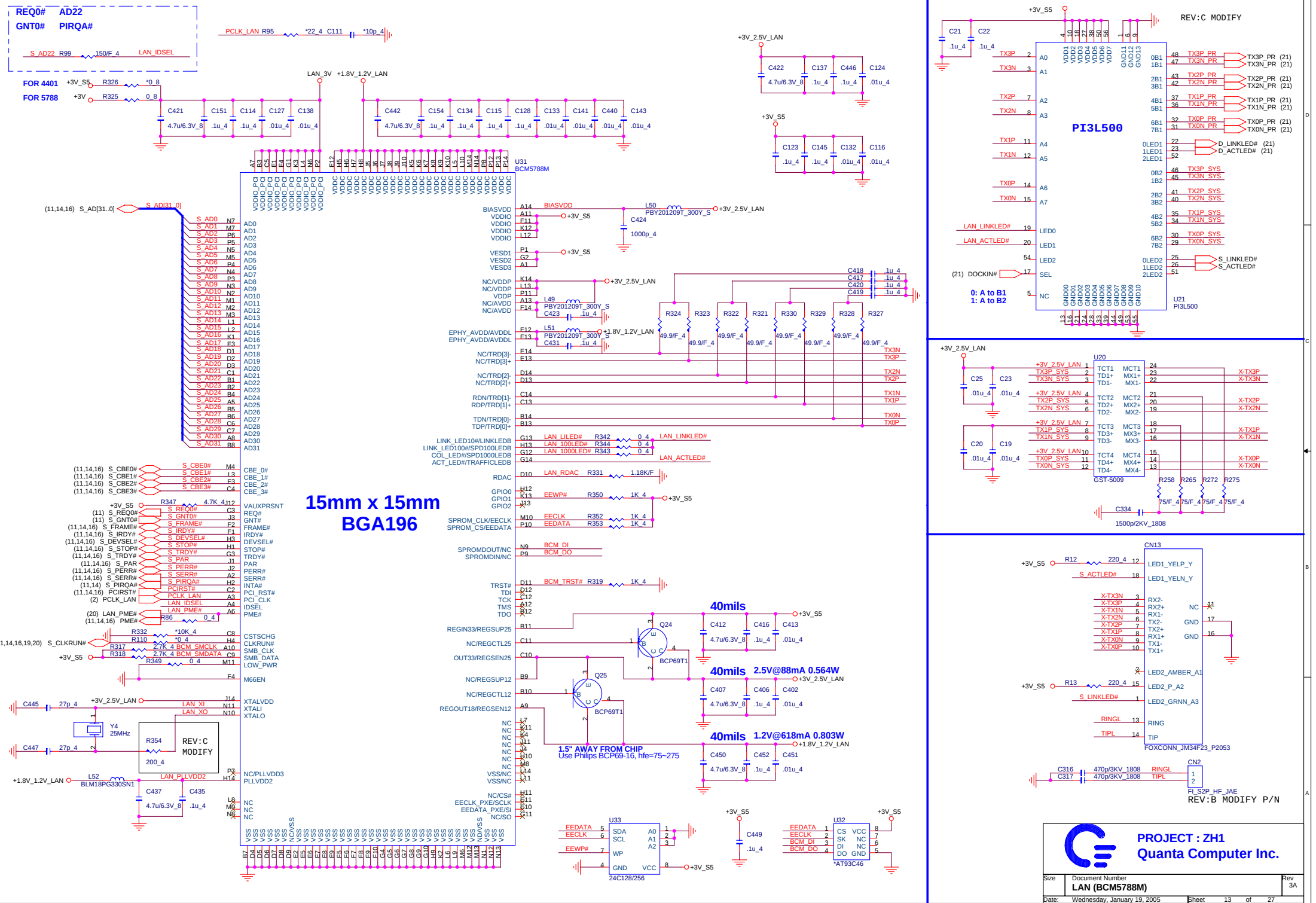
DDR2 SO-DIMM SOCKET









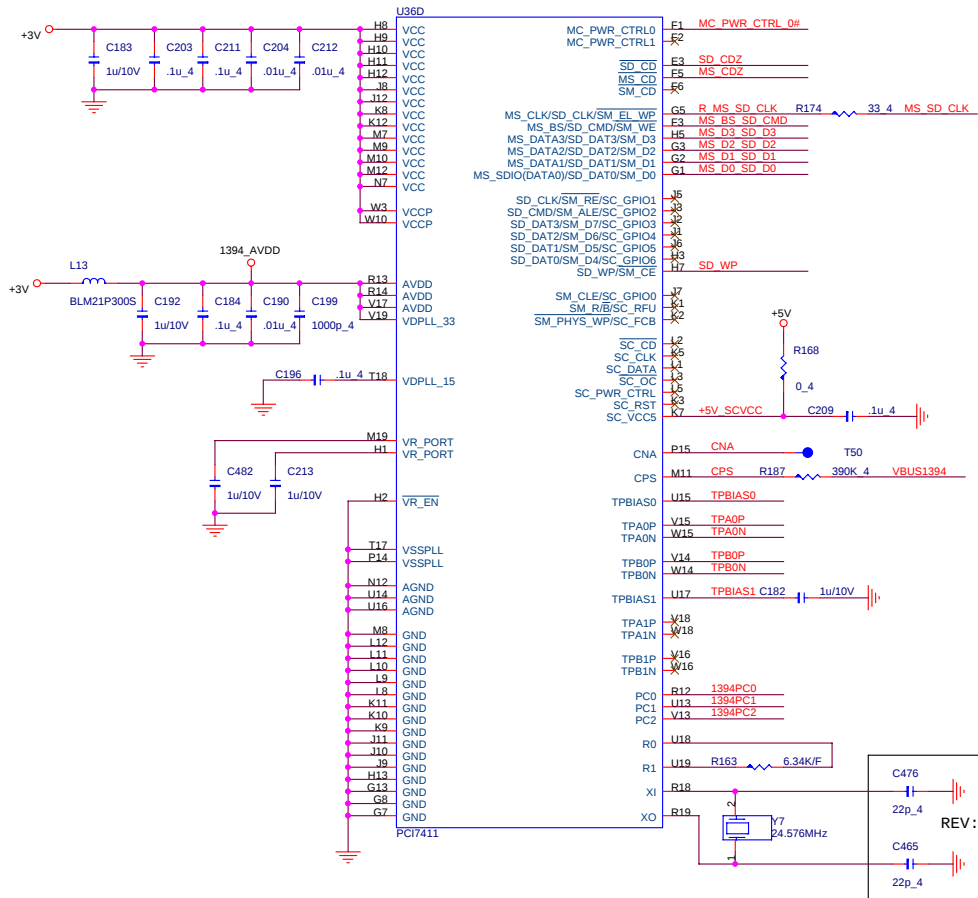


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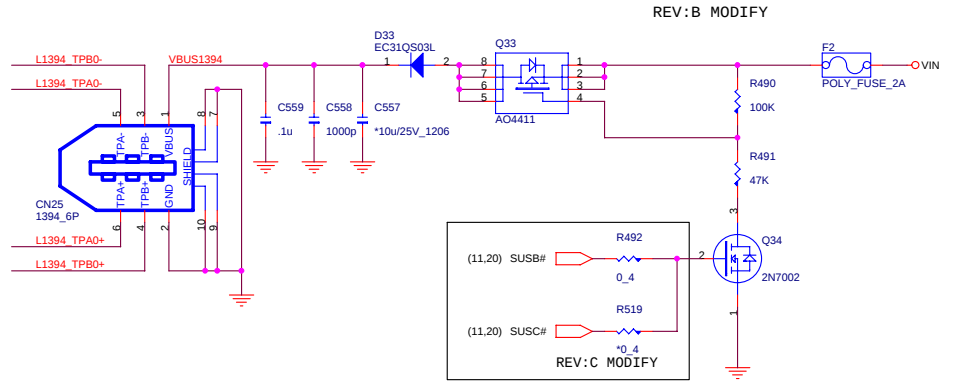
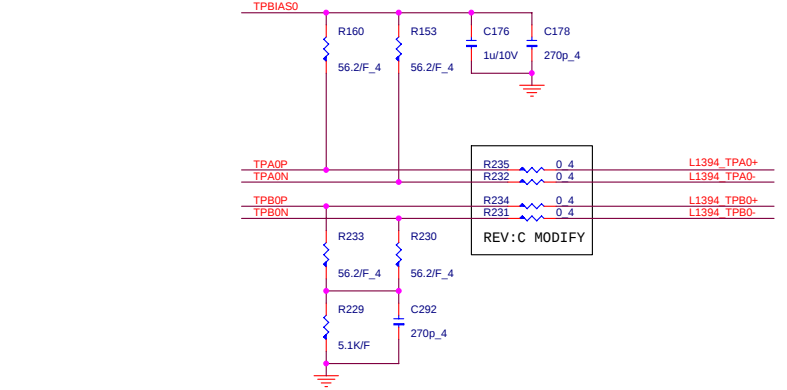
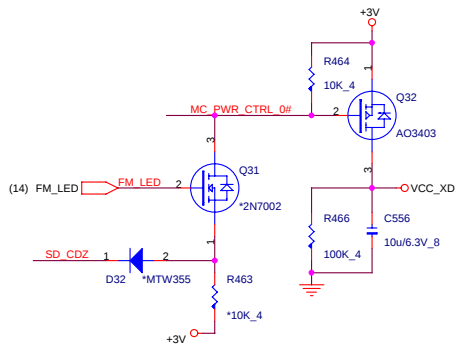
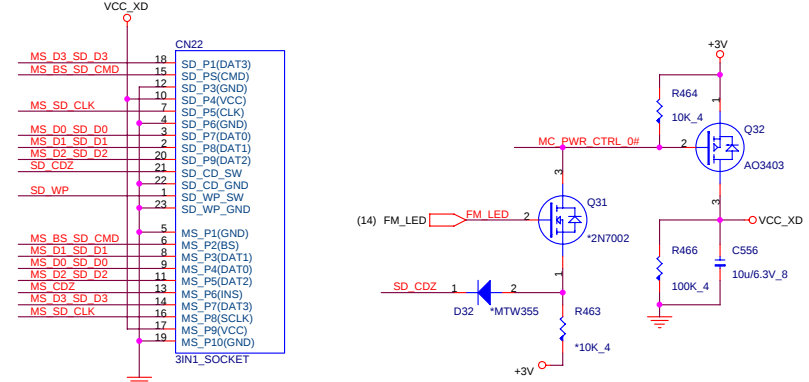
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000	No Power
001	15W
010	30W
011	45W

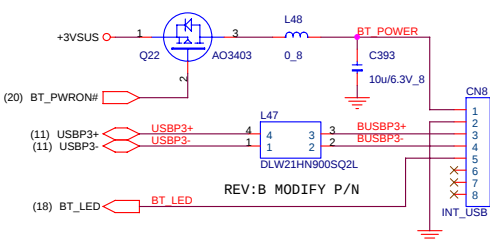
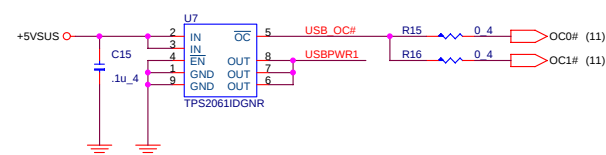
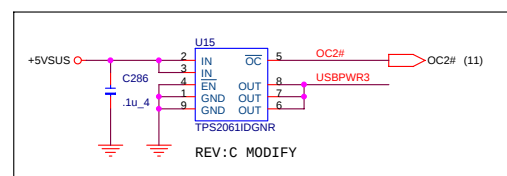
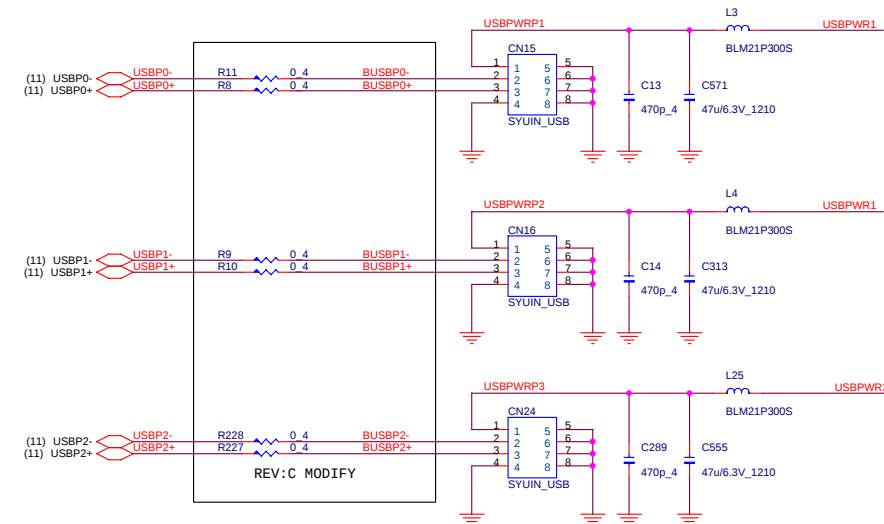
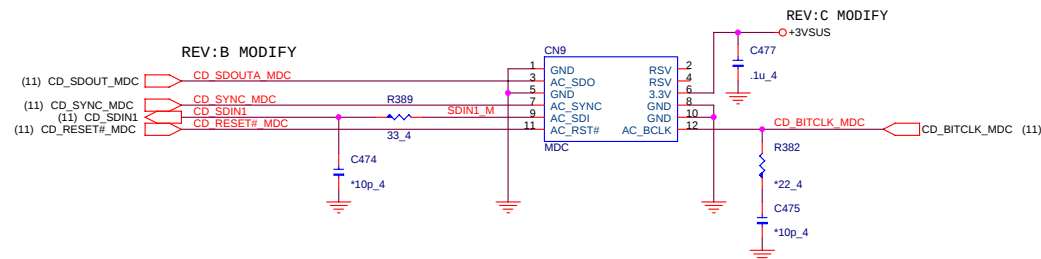
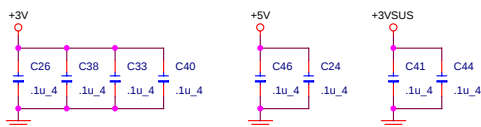
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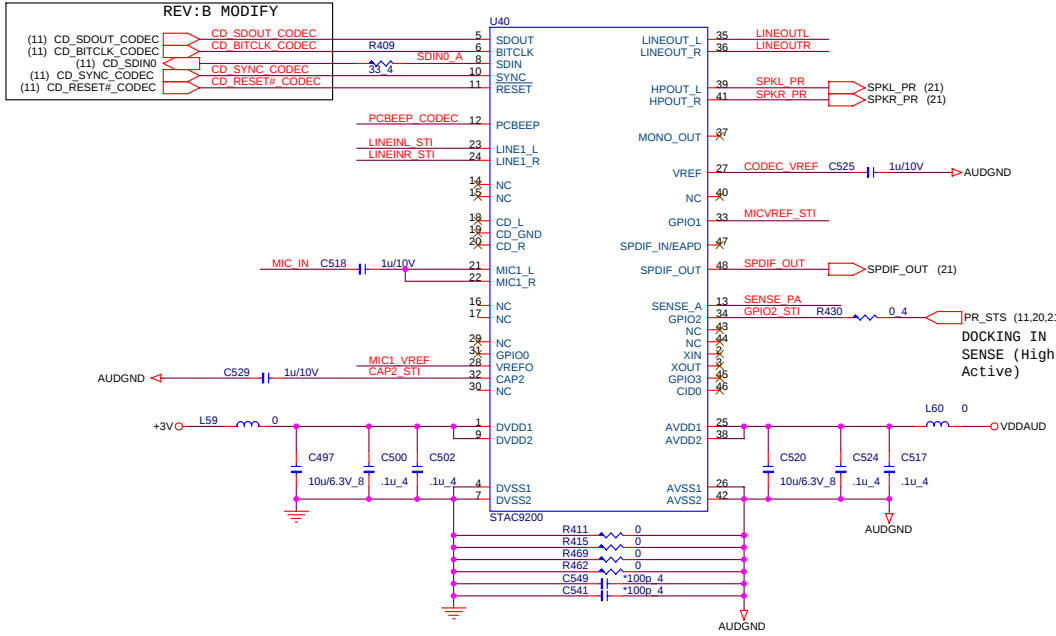


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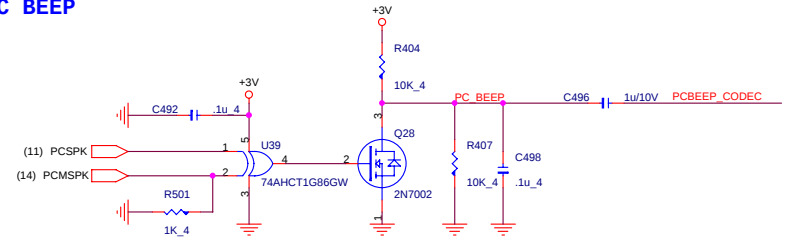




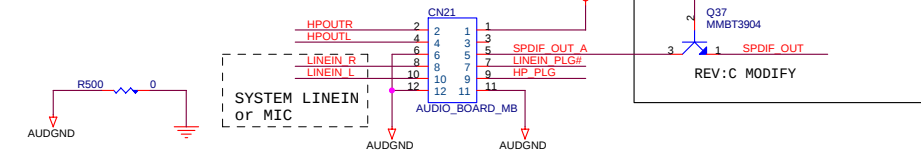
CODEC



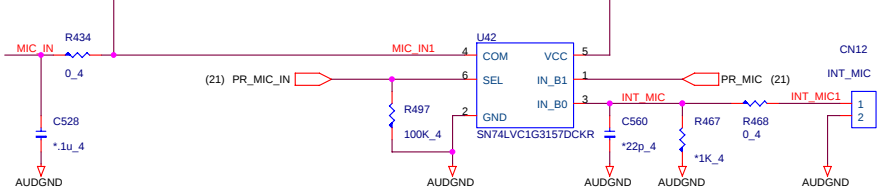
PC BEEP



AUDIO BOARD

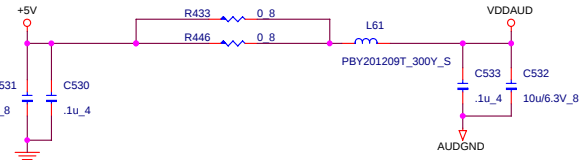


INTERNAL & DOCKING MIC
PORT B



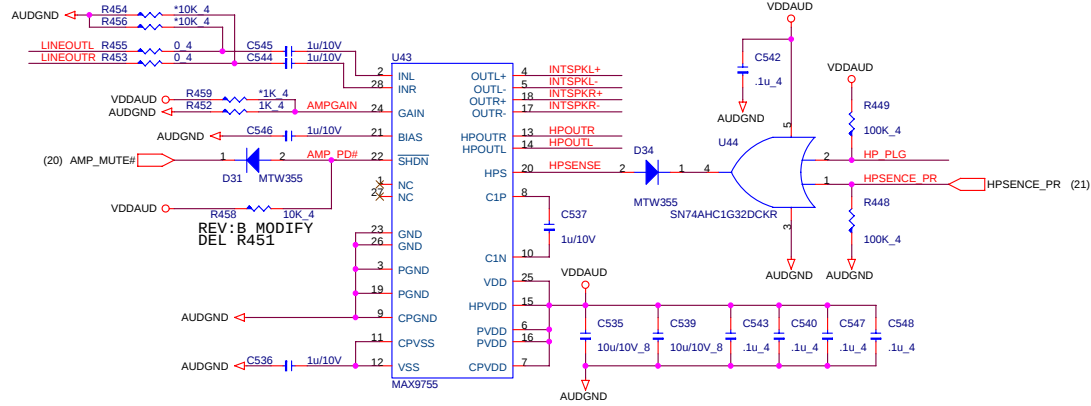
AUDIO POWER

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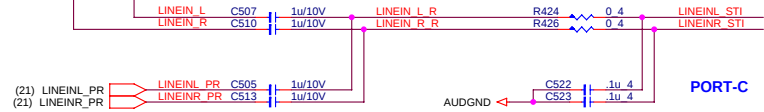


AMP

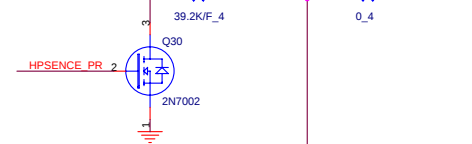
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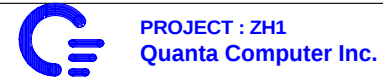
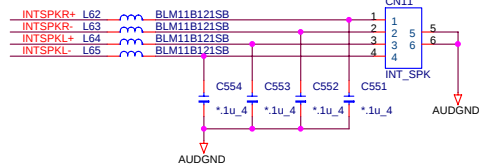
LINEIN PORT C



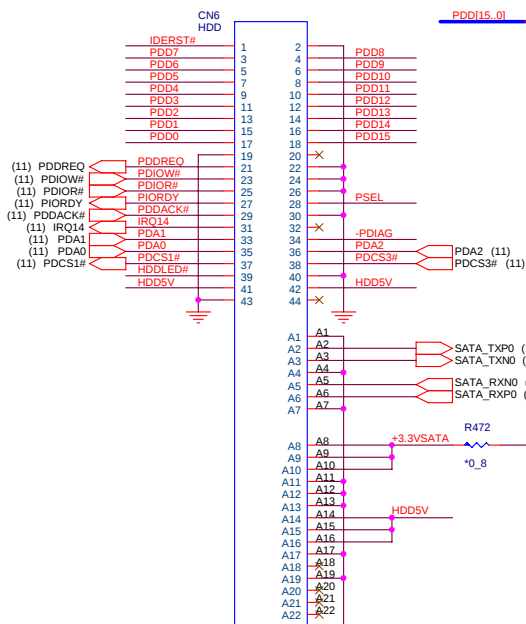
PORT-A SENSE



PORT-C SENSE

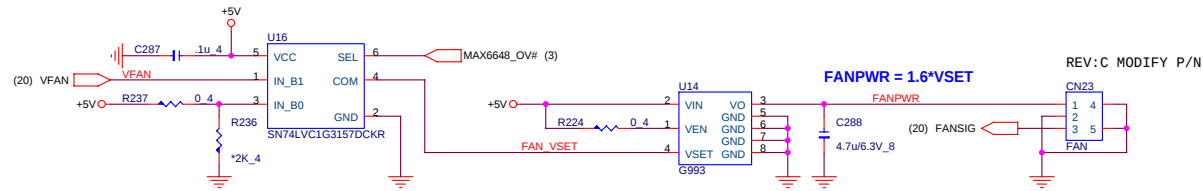
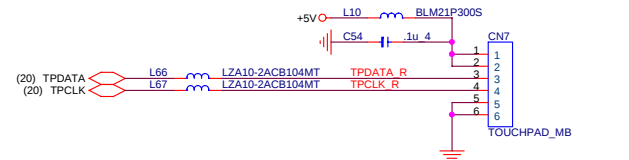
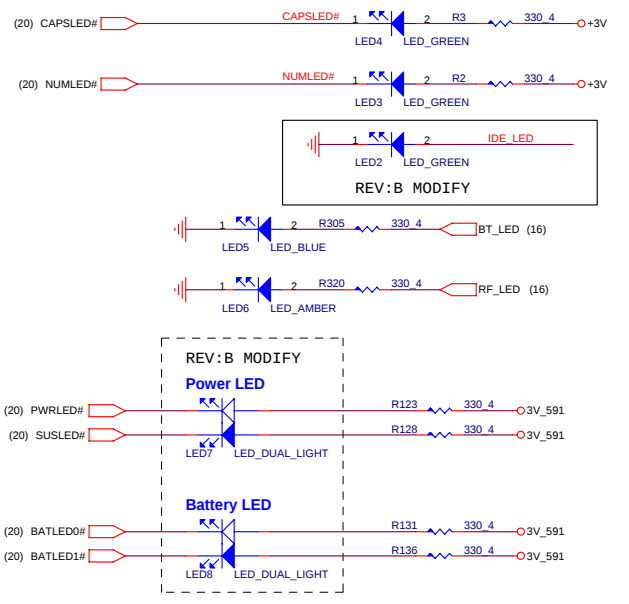
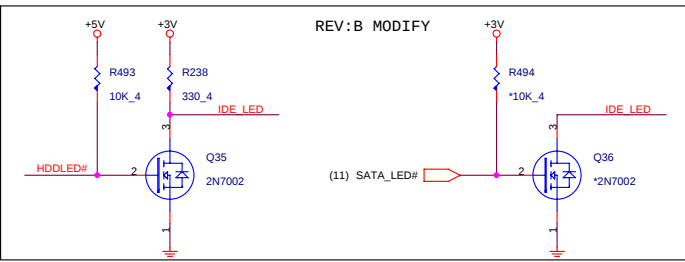
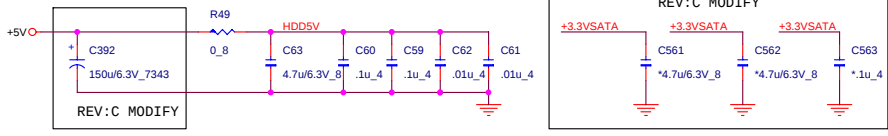
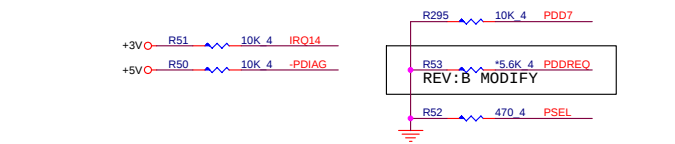
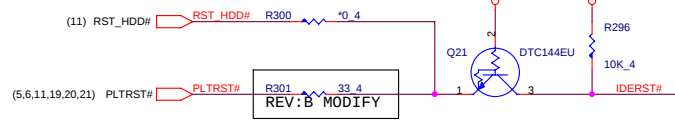


Size	Document Number	Rev
	AUDIO (CODEC/AMP)	3A
Date:	Wednesday, January 19, 2005	Sheet 17 of 27

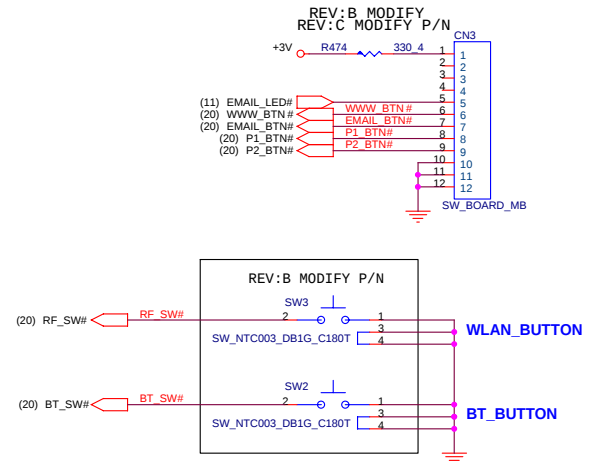
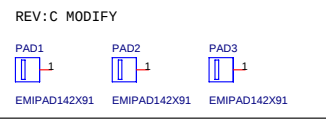
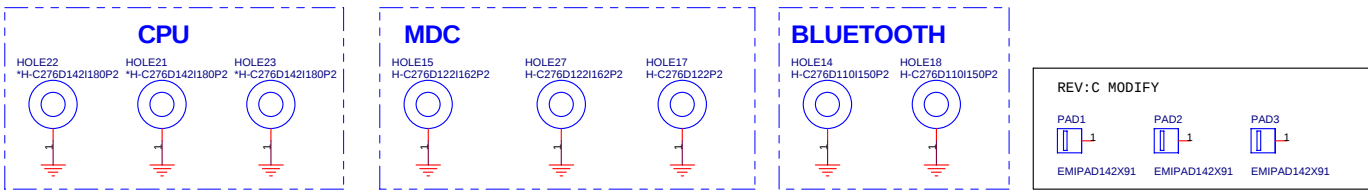
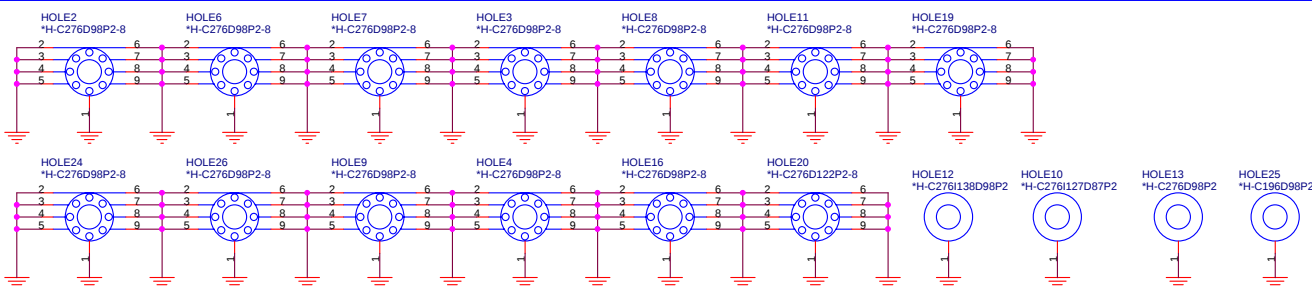


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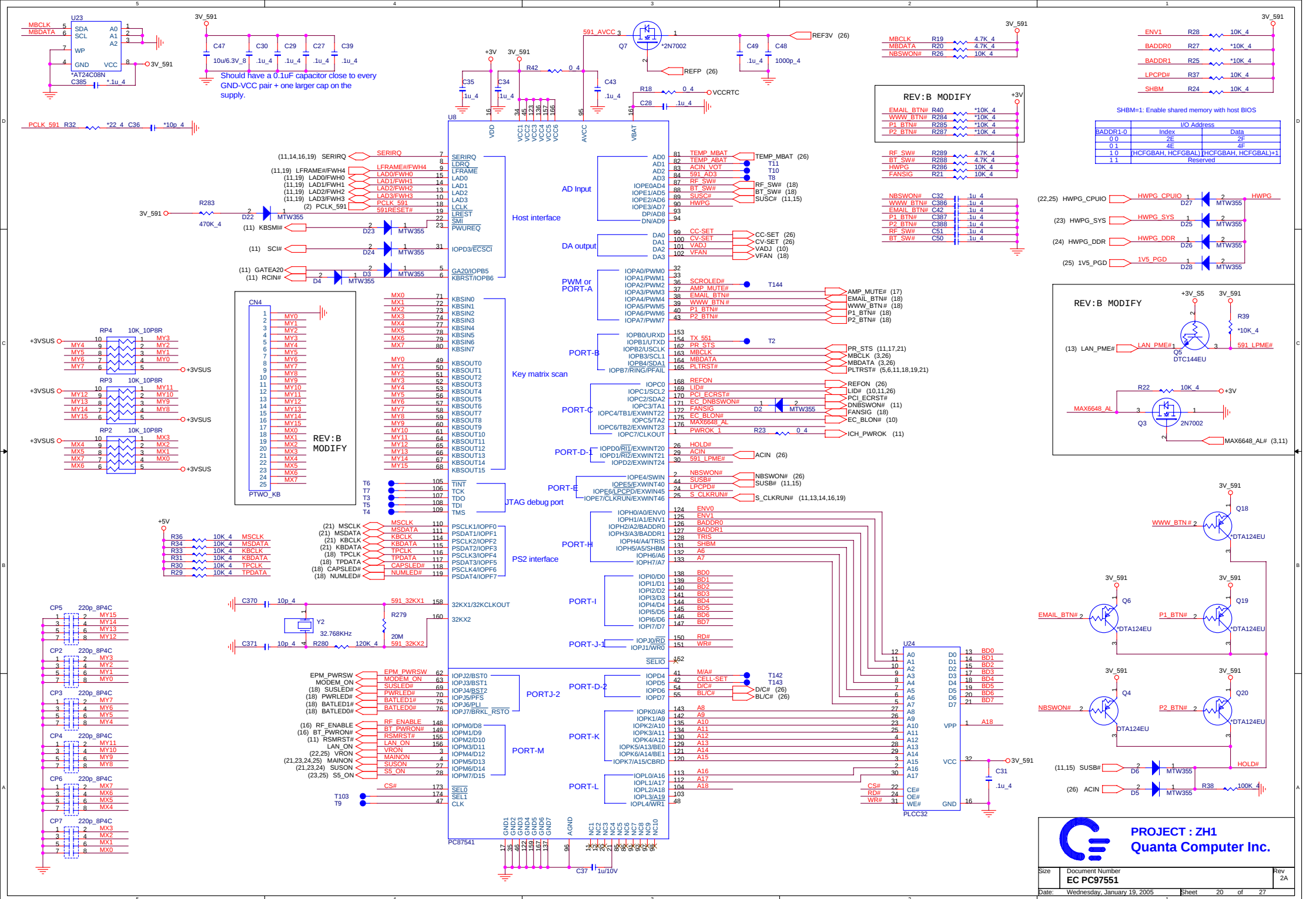
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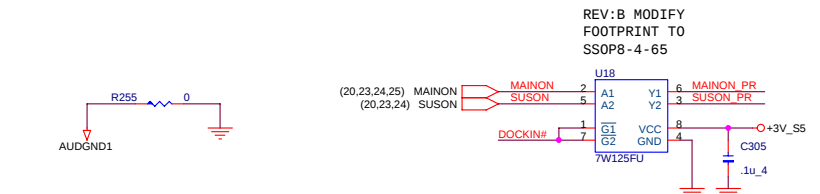
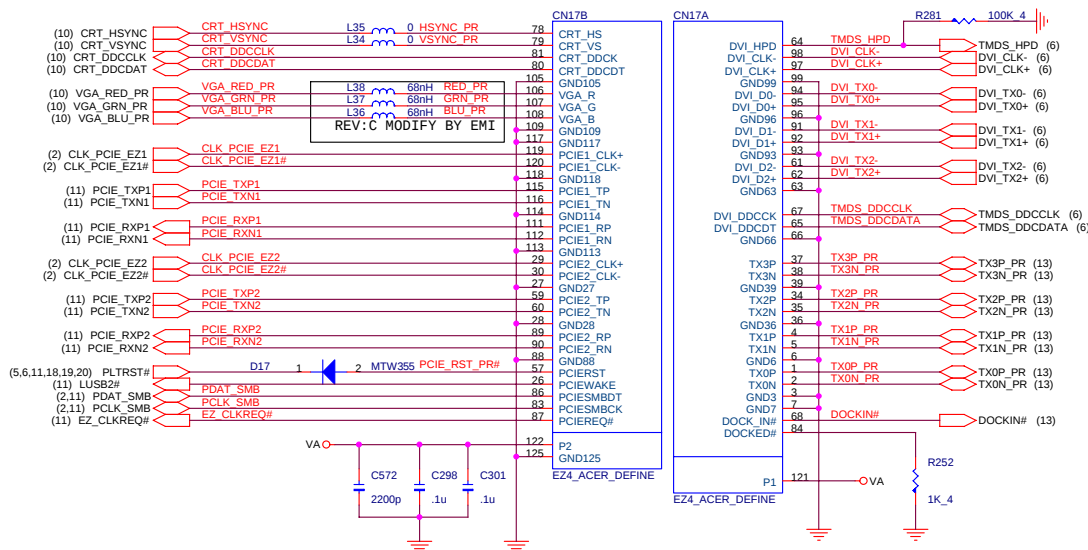
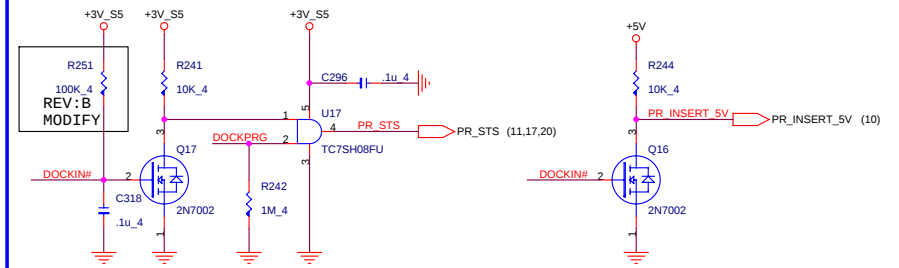
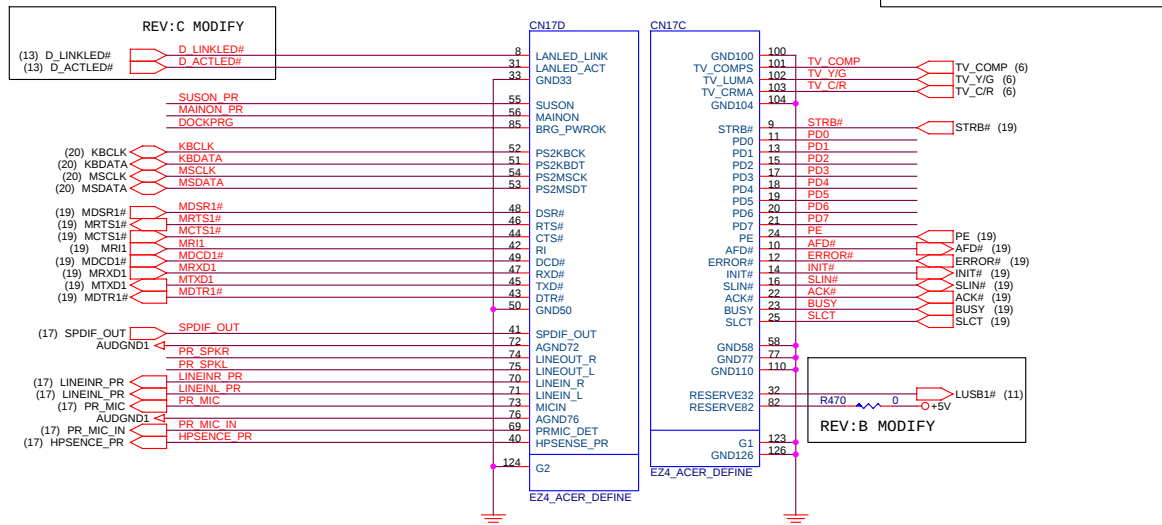


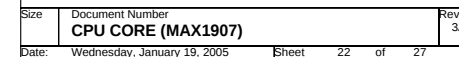
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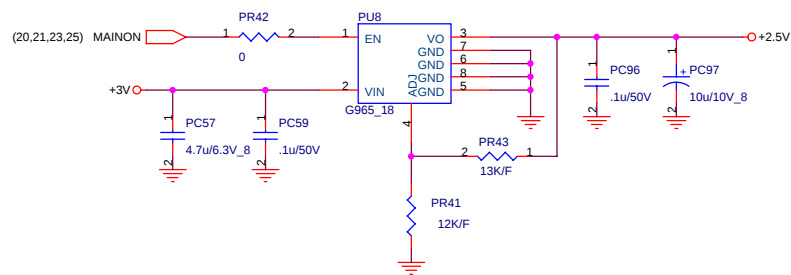
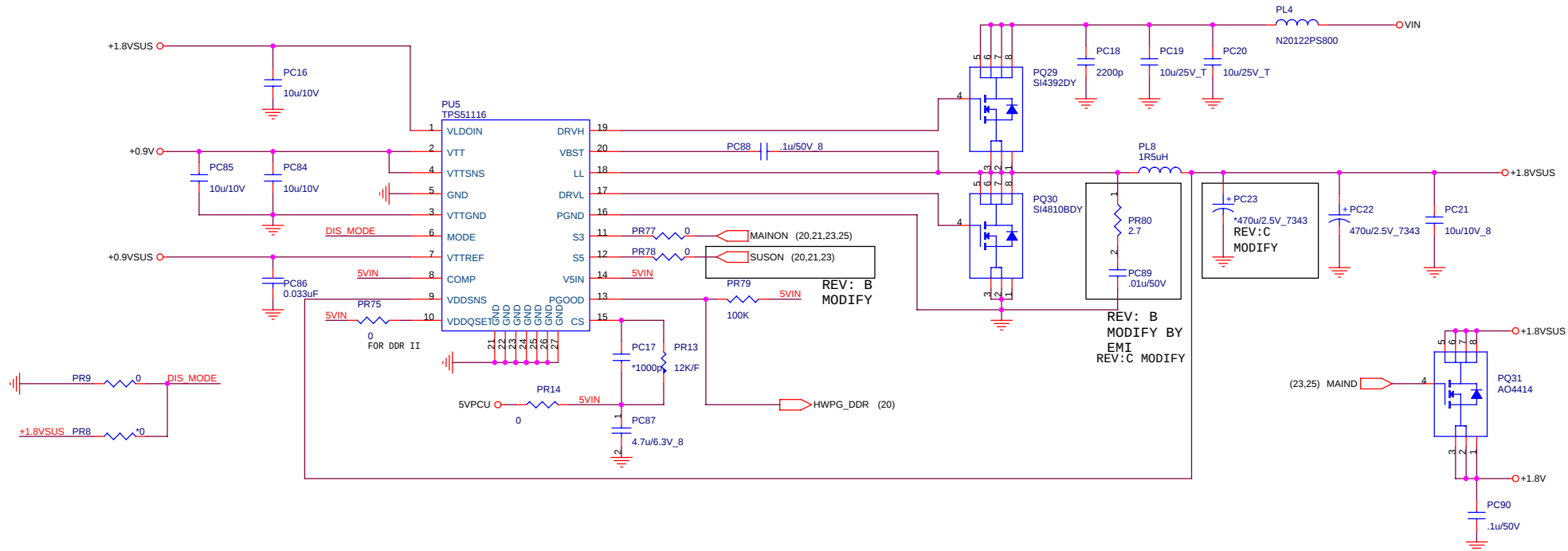


PROJECT : ZH1
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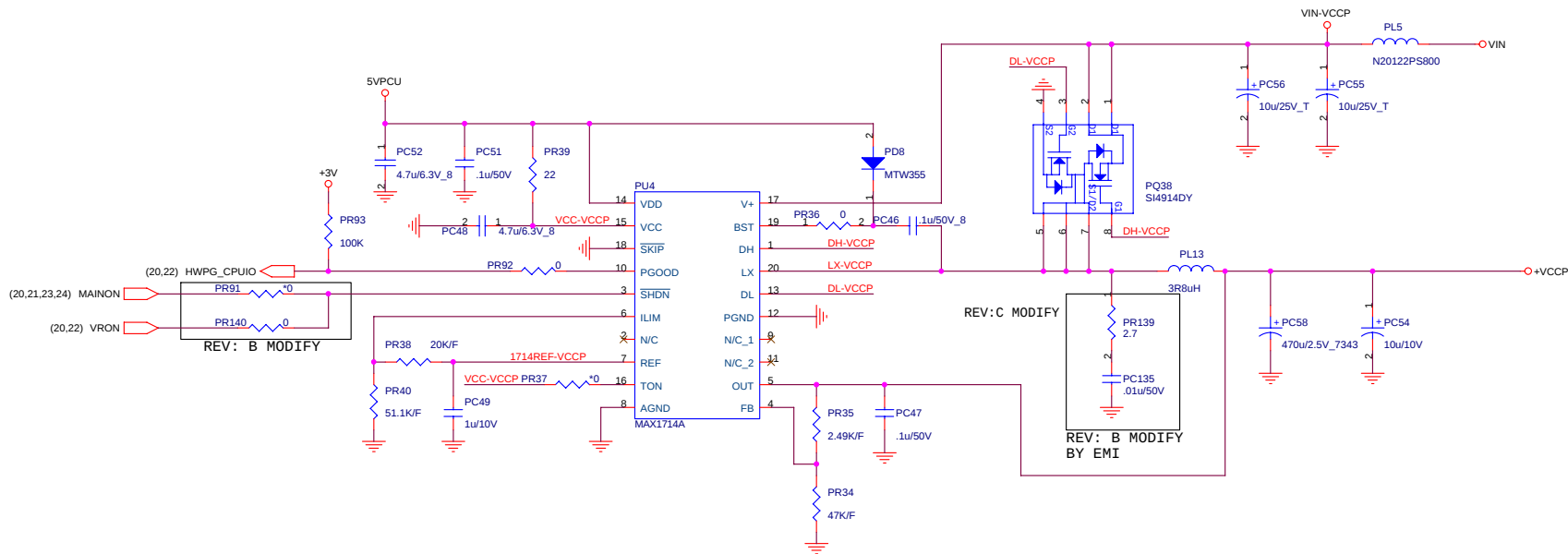
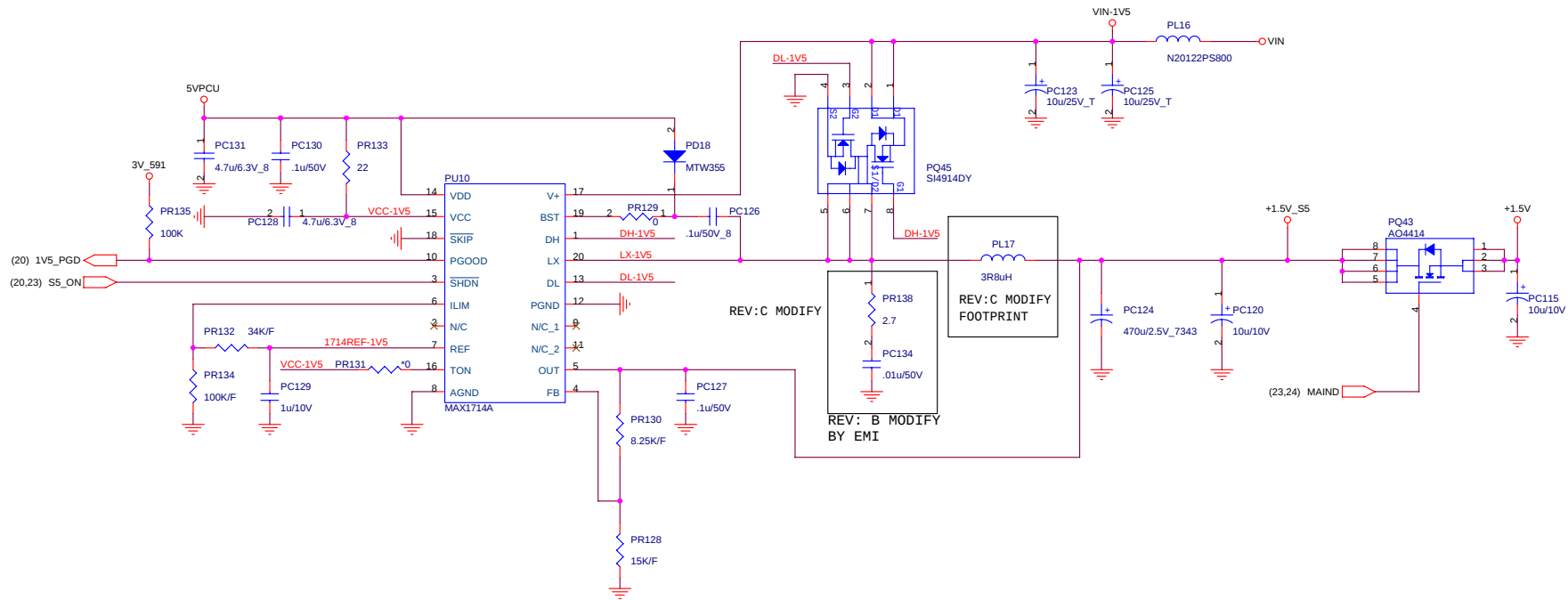








PROJECT : ZH1
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PROJECT : ZH1
Quanta Computer Inc.

Size	Document Number	Rev
	+1.5V / +VCCP	3A
Date:	Wednesday, January 19, 2005	Sheet 25 of 27

