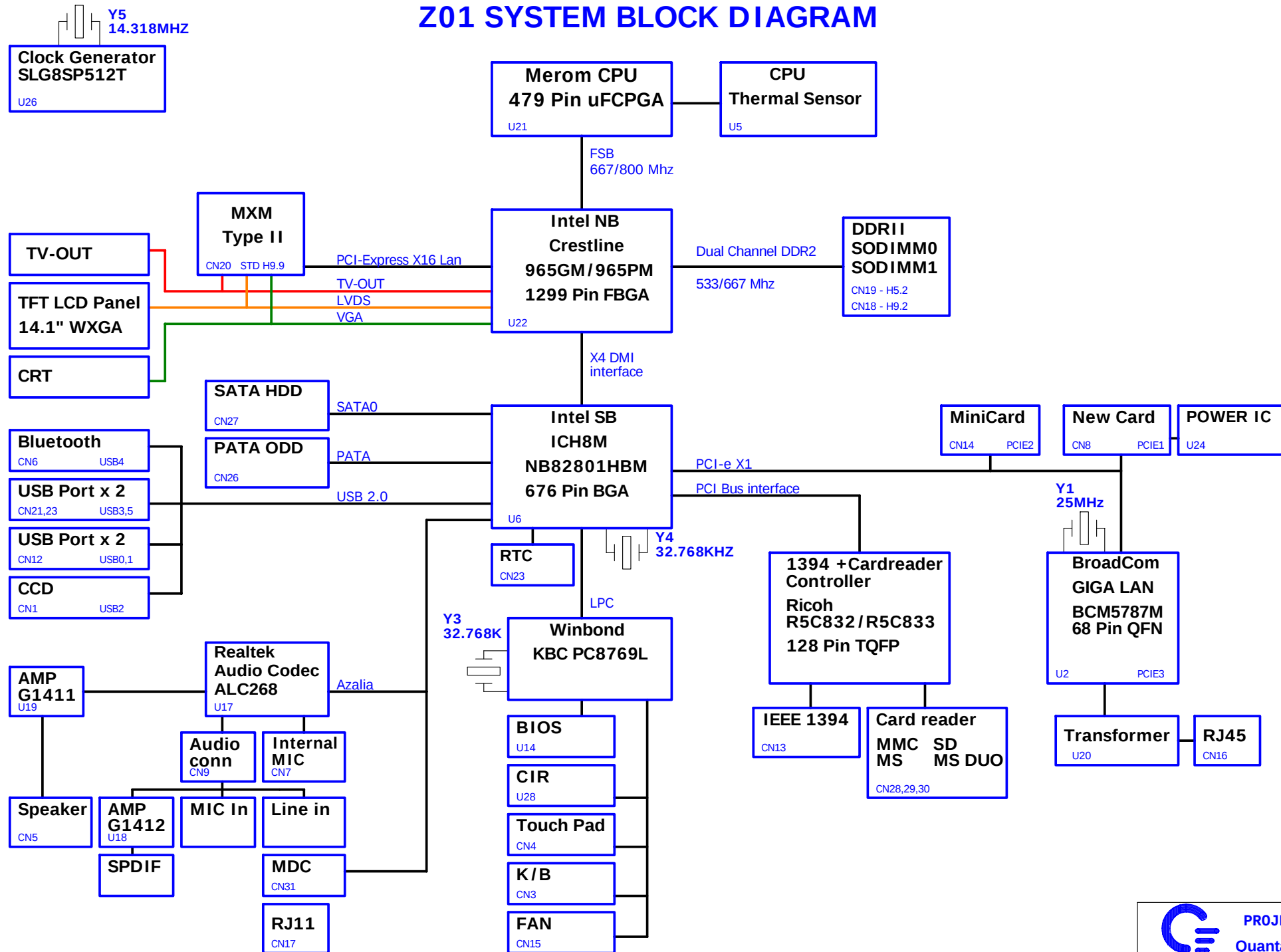


MODEL :	REV:	CHANGE LIST:	MODEL : Z01 MB			
Z01 MotherBoard	1A	FIRST RELEASE	PAGE	FROM	TO	
	1B	PAGE02. 1. R447 455 456 MODIFY to EP P/N:CS14752FB11 PAGE03. 1. STUFF HOLE6 P/N:FBZ01007010 2. STUFF HOLE7 8 15 P/N:FBED8001016 , 3. STUFF HOLE5 P/N:FBZ01006010 PAGE03. 1. STUFF HOLE23 25 P/N:FBZ01003010 2. STUFF HOLE18 P/N:FBZ01004010 3. STUFF HOLE31 P/N:FBZ01005010 PAGE05. 1. U22 MODIFY to GM965 P/N:AJ00N120T04 , 2. R193,194 MODIFY to EP P/N:CS03902FB11 PAGE06. 1. R242 MODIFY to EP P/N:CS33002JB23 PAGE08. 1. L52 53 MODIFY to EP P/N:CV01004KN00 PAGE11. 1. R332 MODIFY to EP P/N:CS23243F930 2. U6 MODIFY to ICH8 P/N:AJ00M740T03 PAGE12. 1. R244, R347, R353 MODIFY to EP P/N:CS00004JA40 , 2. L28 MODIFY to P/N:CV-1005MZ01 PAGE13. 1. CN10 MODIFY to CRT P/N:DFDS15FR611 PAGE15. 1. R467 MODIFY to EP P/N:CS00004JA40 2. R50 MODIFY to EP P/N:CS31003J941, 3. CN27 MODIFY to SATA P/N:DFHS22FR005 PAGE16. 1. CN16 MODIFY to RJ45/11 P/N:DFJJ15FR057 PAGE18. 1. R317, 323 MODIFY to 0603 P/N:CS31003F949 , 2. R310 MODIFY to EP P/N:CS31003J941 PAGE20. 1. PR100 MODIFY to EP P/N:CS51002FB11 PAGE21. 1. PR86 MODIFY to EP P/N:CS24022FB13 , 2. PR38 82 MODIFY to 1% P/N:CS31002FB26 , 3. PR83 MODIFY to EP P/N:CS00004JA40 PAGE22. 1. PR1 MODIFY to EP P/N:CS32002FB29 2. PR6 MODIFY to 1% P/N:CS51003F934 PAGE23. 1. PR106 MODIFY to 0 ohm P/N:CS00002JB38 2. UN-STUFF PR107, PC111 PAGE24. 1. PR29 MODIFY to EP P/N:CS31003J941 2. PJ1 MODIFY to BATTERY P/N:DFHD07MR006 PAGE25. 1. PR70 MODIFY to EP P/N:CS32002FB29	1	1A		
			2	2B		
			3	2B		
			4	2B		
			5	2B		
			6	2B		
			7	2B		
			8	2B		
			9	2A		
		2A	PAGE02. 1. Connect VDDIO CLK to +1.25V 2. un-stuff R292;R445;R308 3. stuff C575,C574,C576,C578,C573,C546 for EMI issue PAGE06. 1. Connect ICH PWROK SIGNAL TO NB CLPWROK 2.un-stuff R242;R235;R422;R222;R421;R423 3. R360,R361 only stuff for UMA PAGE07. 1. MODIFY 22u to 10u PAGE08. 1. R489 MODIFY to 0805 2. Stuff L50;R182;C238 for EV@ (MXM) PAGE09. 1. Add PU for SMA MA14 1. SMB MA14 PAGE10. 1. un-stuff R337,C115,C127,C129,C298,C302,C294,C283,C291 PAGE11. 1. Q18 MODIFY to P/N:AL07S204C27 2. R395 connect to VCCRTC 3. R336;R251;R419;R255 un-stuff 4. R226 connect to +3V S5 5. ICH PWROK to SB CLPWROK PAGE11. 1. stuff C500, C509, C300, C513 33pF P/N:CH03306JB04 2. C507, C508 10pF change to 15pF P/N:CH01506JB06 , 3. stuff R238, R392, C2989 for Contr-LINK1 PAGE12. 1. VCCDA & VCCSUSDA change to 3V PAGE13. 1. ADD CRT DDC IN PU 2. L8, L9, L10 P/N change to 0.47UH for MXM , 3. C22, C24, C25, C27, C31, C32 P/N change to 47pF for MXM PAGE14. 1. CN6 MODIFY CONN. to 5 PIN P/N:DFHD05MR098 PAGE15. 1. MODIFY SWITCH BOARD PIN DEFINE 2. Modify FAN circuit 2. MR1 P/N change to AL000268000 PAGE16. 1. C46, C47 27pF change to 33pF P/N:CH03306JB04 2. stuff C104, C105, C119, C112 0.1uF P/N:CH41003ZB35 PAGE17. 1. CARD READER COLAY to CN8, DEL CN30 2. C311 change to 27pF P/N:CH02706JB06 3. stuff R209 4. un-stff R213, C325, U11 PAGE18. 1. CHANGE MDC & CODEC to 3V 2. Delete D12 3. stuff R314, R483, C393, C595 PAGE19. 1. SWAP NBSWON# & ACIN 2. C363, C364 5.6pF change to 18pF P/N:CH01806JB07 PAGE20. 1. Modify PQ19 P/N PAGE21. 1. Modify Capacitor P/N to meet ME height limit PAGE22. 1. stuff PR74, PC69 2. Remove JP Pad PAGE23. 1. stuff PR126, PC131, PC137 2. Remove JP Pad 3. un-stuff +1.8V PAGE25. 1. un-stuff PR101, PQ21, PR22, PQ2, PR26, PR9, PR5, PC33, PC38, PC39, PC19, PC22, PU2	10	3A	3B
			11	2B		
			12	2B		
			13	3A	3B	
			14	3A		
			15	3A	3B	
			16	3A	3B	
			17	2A		
			18	2B	3A	
			19	3A	3B	
			20	2B		
			21	3A		
		2B	PAGE02. 1. Change R293 to 2.2K for meet Intel Design checklist PAGE03. 1. Change XDP PU/PD resistors value to meet Intel Design checklist PAGE04. 1. Un-stuff C28, C457 PAGE05. 1. Add LVDS VREF strap PAGE06. 1. Add SDVO I2C strap PAGE07. 1. Remove NB resistors to GND PAGE08. 1. Remove DIODE for D27 2. Remove VCCA_DPLLA&B for external VGA PAGE10. 1. Add CRT & LVDS I2C Strap PAGE11. 1. Un-stuff Control Link Vref1 PAGE12. 1. Remove reserve ICH8 HDA 1.5V power rail PAGE13. 1. Modify LCD VCC enable power rail 2. Add LVDS INV I2C Strap PAGE14. 1. Add EMI solution for debug port PCi clock PAGE15. 1. Change Q33, Q34 to MOSFET PAGE16. 1. Add PIN 59 & 3 PAGE18. 1. Change CN31 pin2 to +3V_S5 for Modem can't wake up from S3 PAGE19. 1. Add GPIO46 , 47 PAGE20~25. 1. Add EMI solution 2. Update Power component P/N	22	3A	
			23	3A	3B	
			24	3A		
		25	3A	3B		
	3A	PAGE10. 1. Add +2.5V & +1.8V capacitors for nVIDIA MXM card PAGE11. 1. Change C507, C508 to 15pF for RTC PAGE13. 1. Add C609 & C610 to meet CM2009 specification PAGE14. 1. Reserve +5VPCU & Add Q40, R540 for CIR PAGE15. 1. Add C611 for PLC hall IC 2. Stuff R60 for G995 PAGE19. 1. CN24 un-stuff 2. D322, D332 reserve for ESD PAGE21. 1. Modify PC85 value PAGE22. 1. Modify PR4, PC13 value for sequence PAGE23. 1. Add PQ22 for nVIDIA MXM +1.8V PAGE24. 1. Modify PF1 P/N PAGE25. 1. Add PU2 for nVIDIA MXM +2.5V				
	3B	PAGE10. 1. Remove R337 & Add R542, Q41, Q42 for Nvidia ACIN function PAGE13. 1. Add D34~D36, D40 for ESD solution PAGE15. 1. R484, R485, R486 from 330 change to 220 ohm for LED light issue 2. Add D41, D42, D43 for ESD 3. Stuff Q39 PAGE16. 1. Add C621, C622 for EMI solution 2. C112, C119 change to 100pF/50V for EMI PAGE18. 1. Un-Stuff L55 Stuff U16 R470 R471 for internal Mic. issue PAGE19. 1. Modify D32, D33 package to 0402 for ESD PAGE23. 1. Add PR140, PR141 for +1.8V voltage PAGE25. 1. Stuff PR22, PR101, PQ2, PQ21 for nVIDIA MXM +1.8V & +2.5V Discharge				
		PROJECT : Z01	APPROVE BY: JIM HSU	DRAWING BY: JACKY CHENG	REV 3A	
		MB ASSY'S P/N : 31Z01MB00XX	PROJECT LEADER: JIM HSU	DOCUMENT NO: 204	DATE :2007/04/14	
COVER SHEET 1 OF 1						

Z01 SYSTEM BLOCK DIAGRAM



REV: B MODIFY

+1.25V $\bigcirc$ VDDIO_CLK

REV: C MODIFY

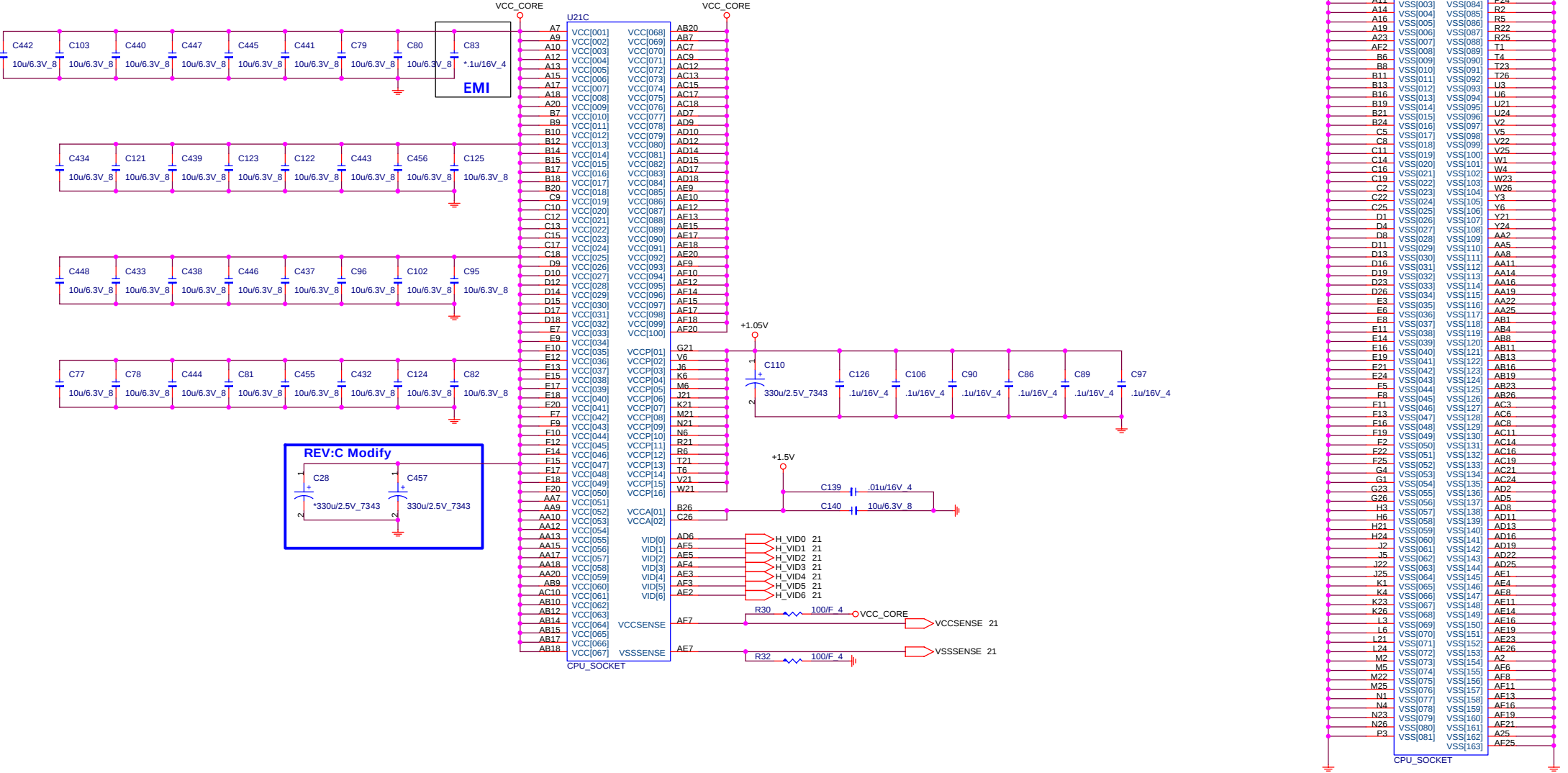
Each Power pin have one 0.1u Capacitor

SLG8SP512

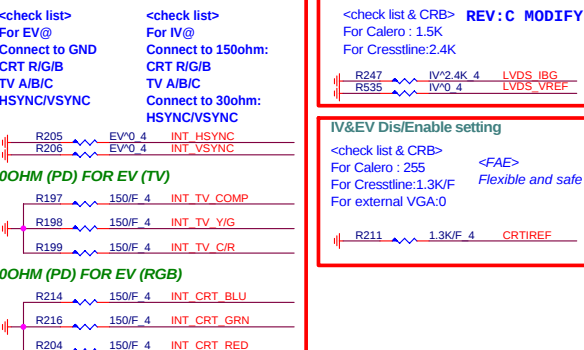
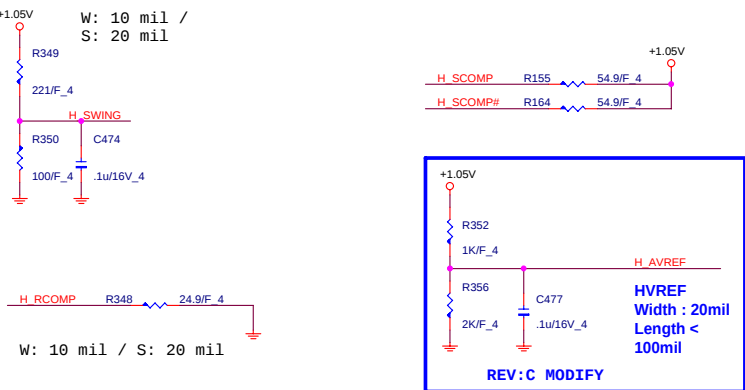
SLG8SP512T: AL8SP512K05

Size	Document Number	Rev
	CLOCK GENERATOR CK505 W/REGULATOR	2B
Date:	Thursday, May 17, 2007	Sheet 3 of 26

CPU(Power)



HOST

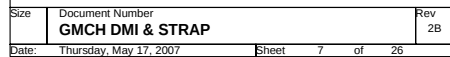


PROJECT : ZO1
Quanta Computer Inc.

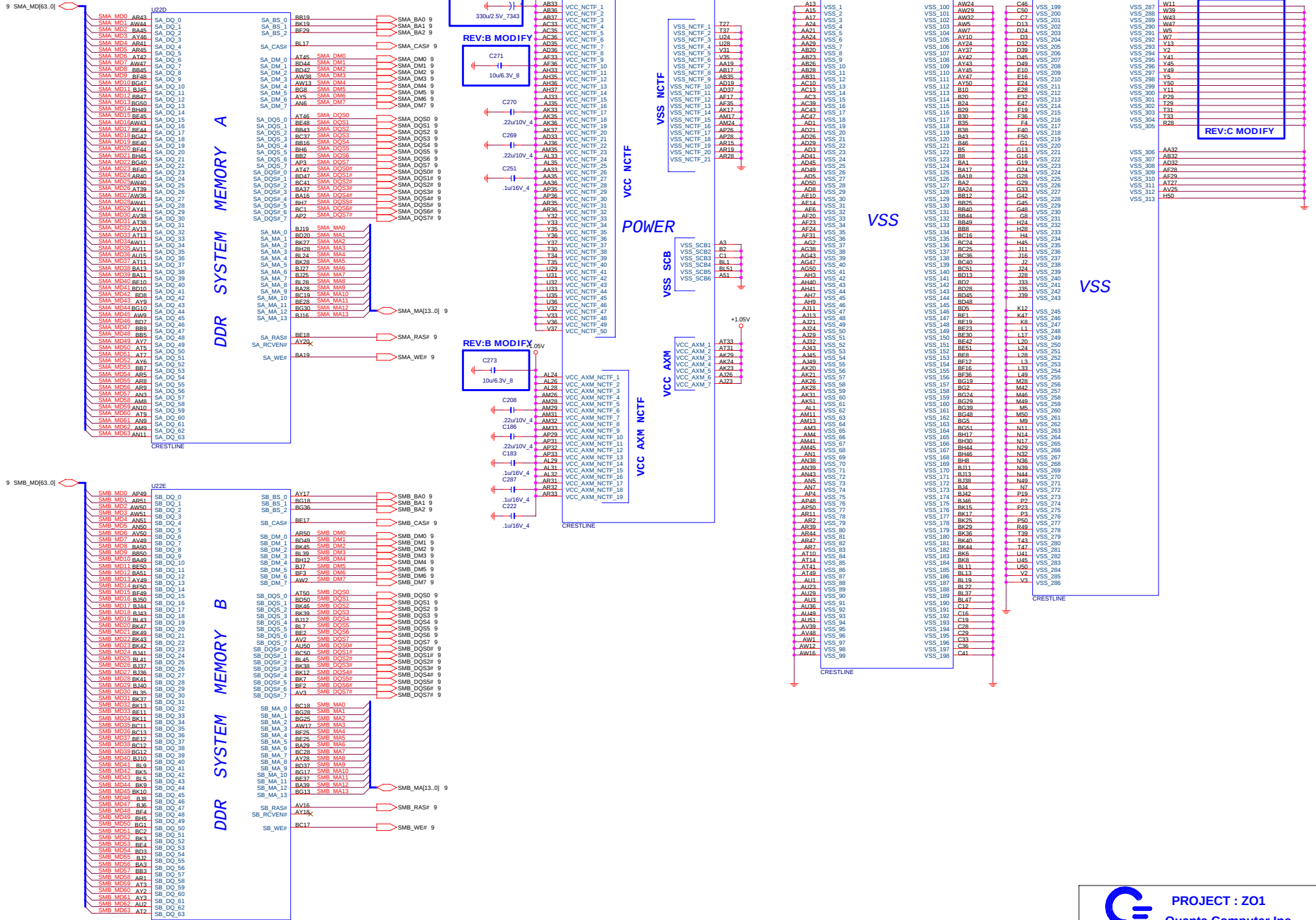
Any CFG signal strapping option not list below should be left NC Pin

11 PM_BMBUSY#
3,11,21 ICH_DPRSTP#
9 EXTTS#0
9 EXTTS#1
3,11,19,21 IMVP_PWRGD
11 PLTRST#_NB
11,21 PM_DPRSLPVR

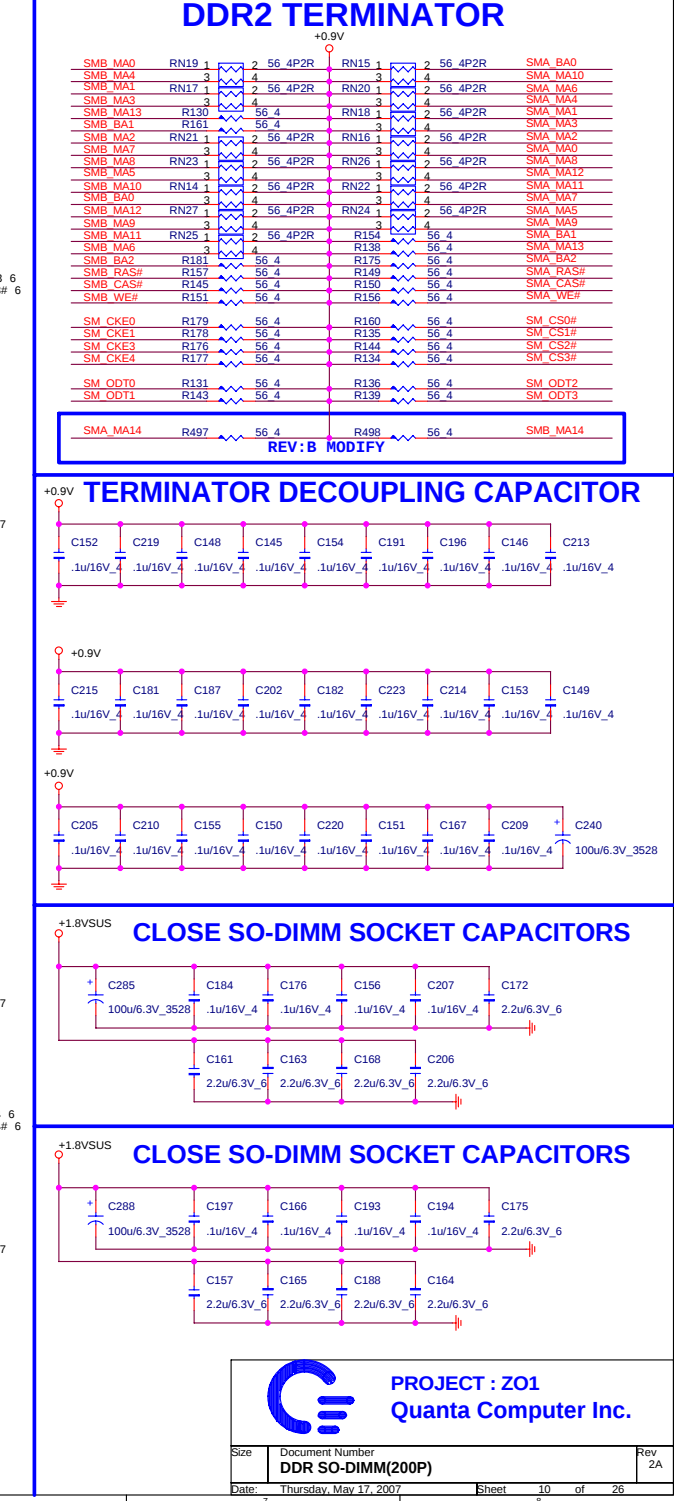
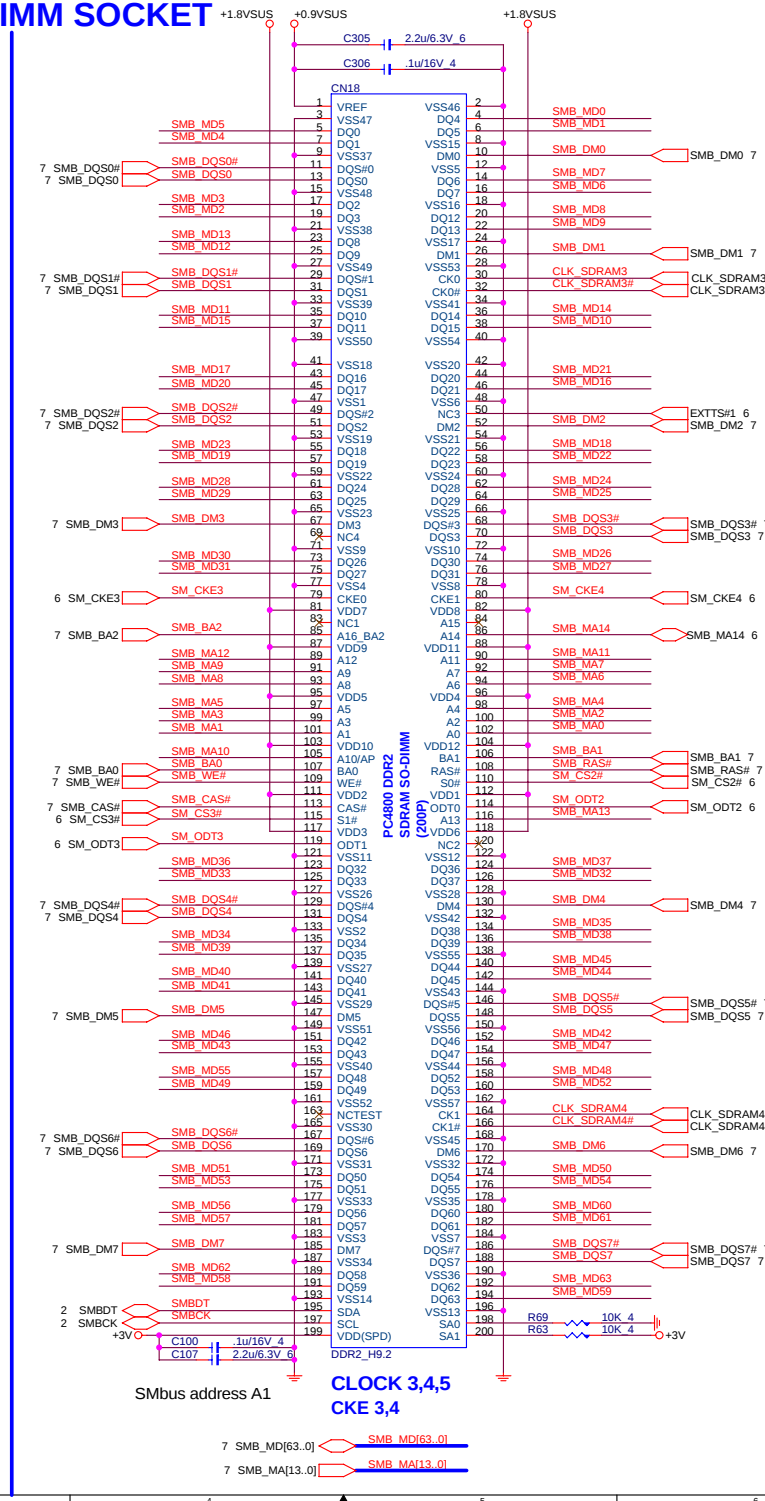
R436 0
R219 0
R236 0
R187 10
T12

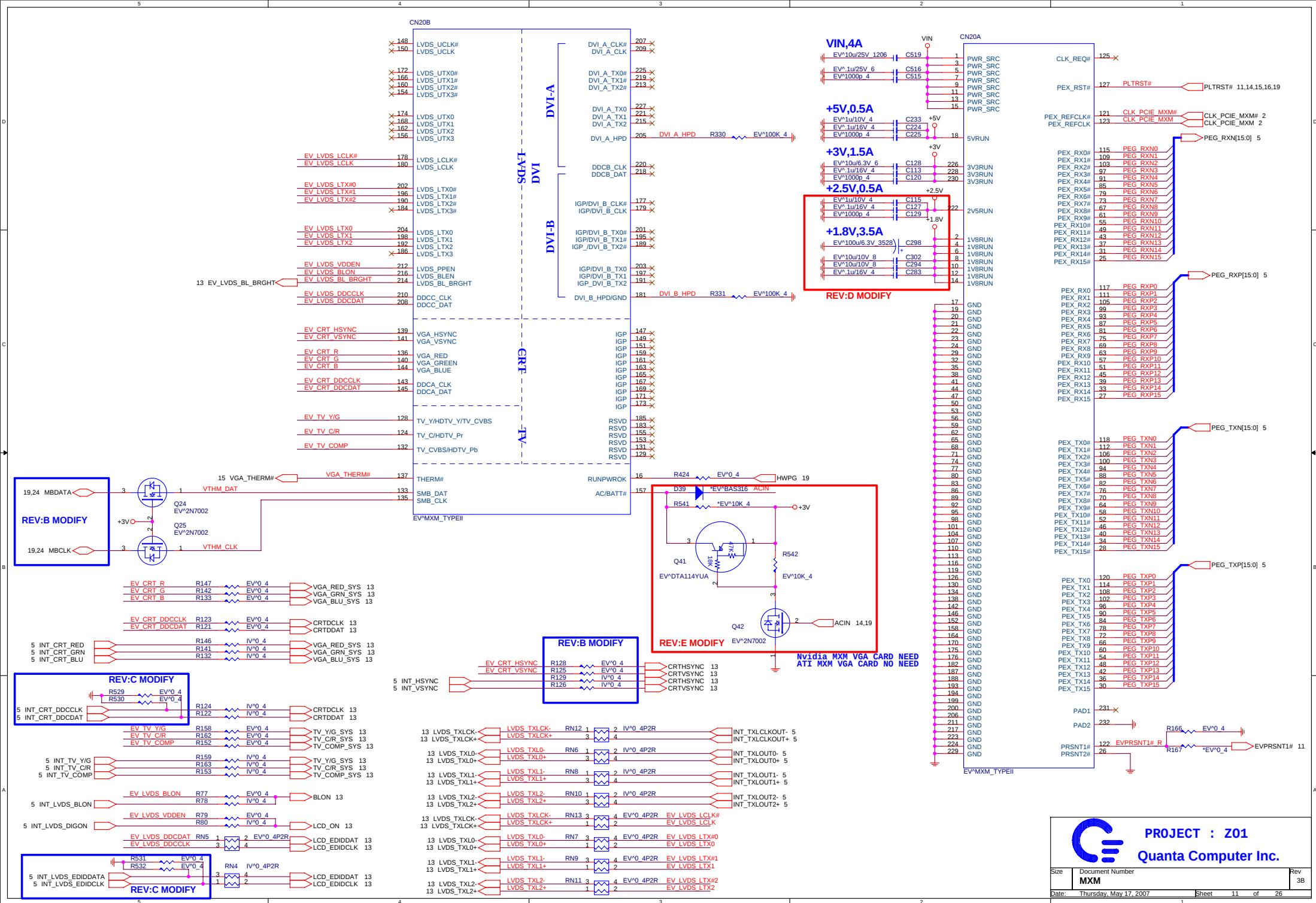


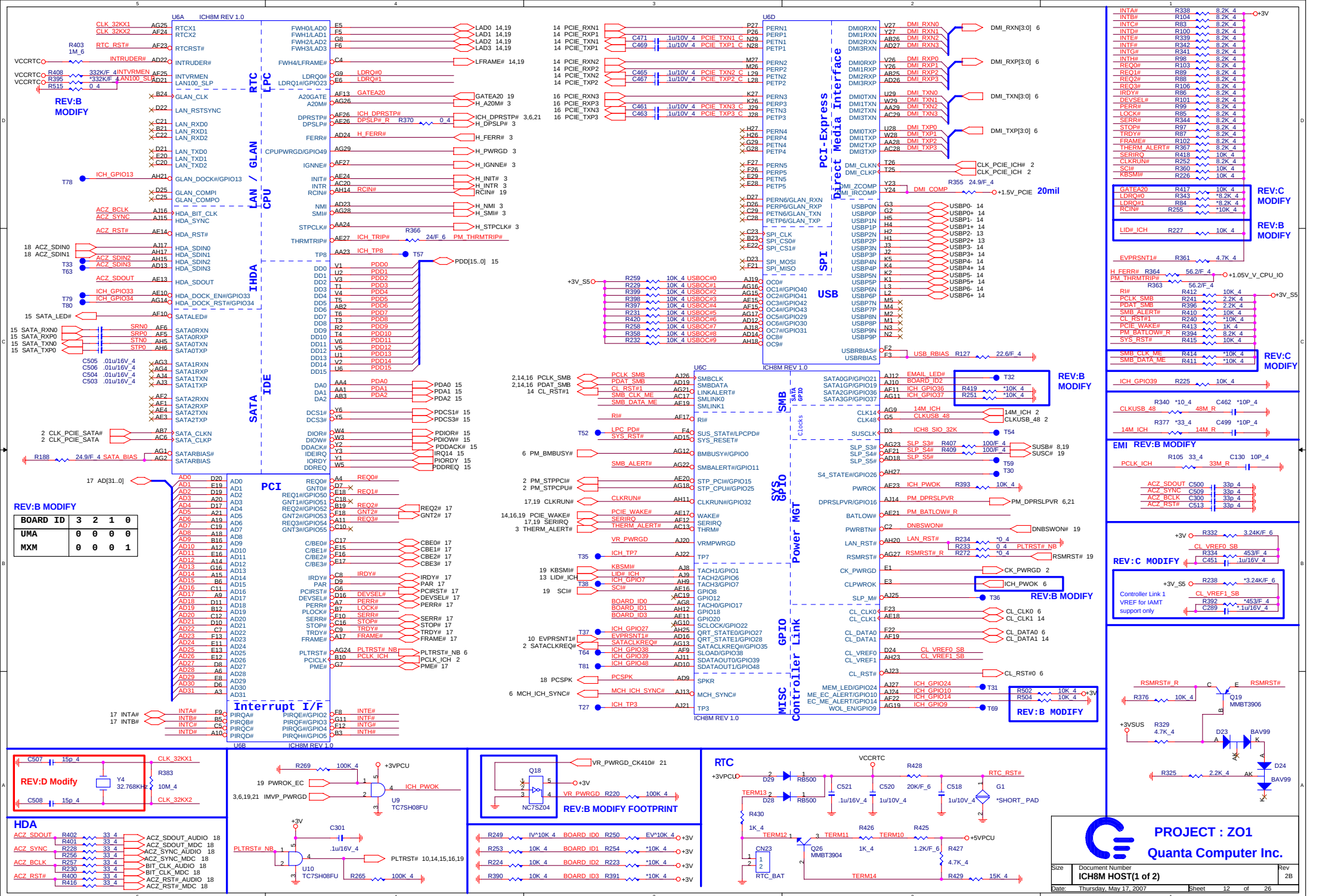
GM965 QN12 : A30QN120T04
PM965 QN14 : A30QN140T04



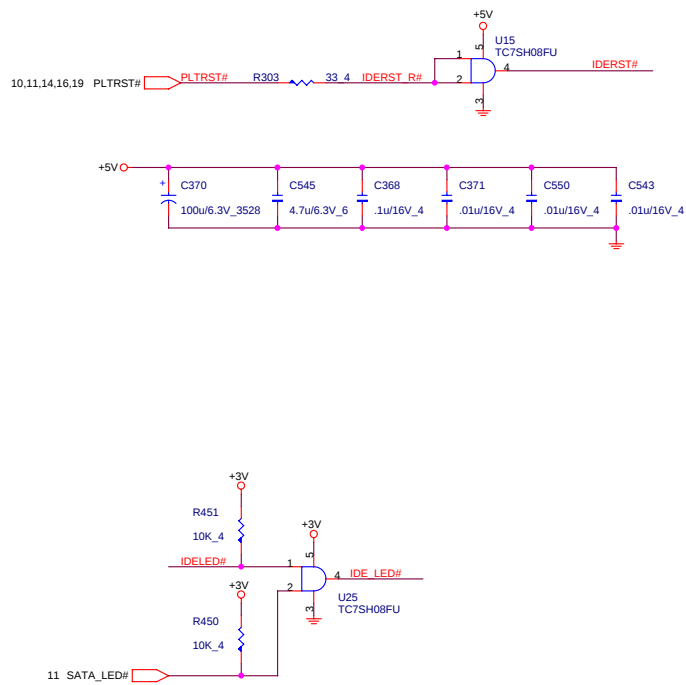
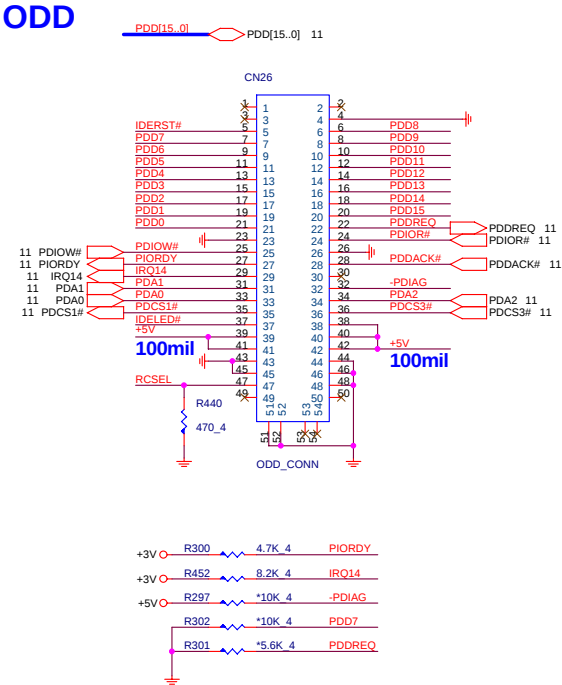
DDR2 TERMINATOR



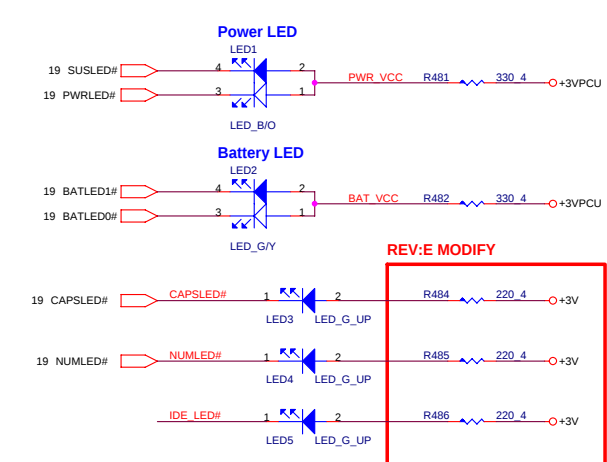




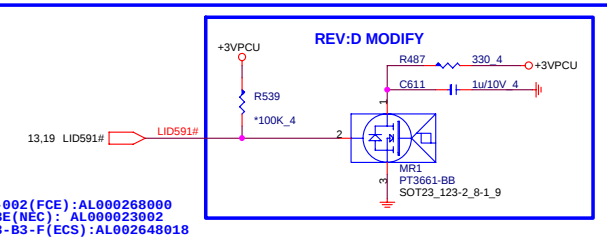
ODD



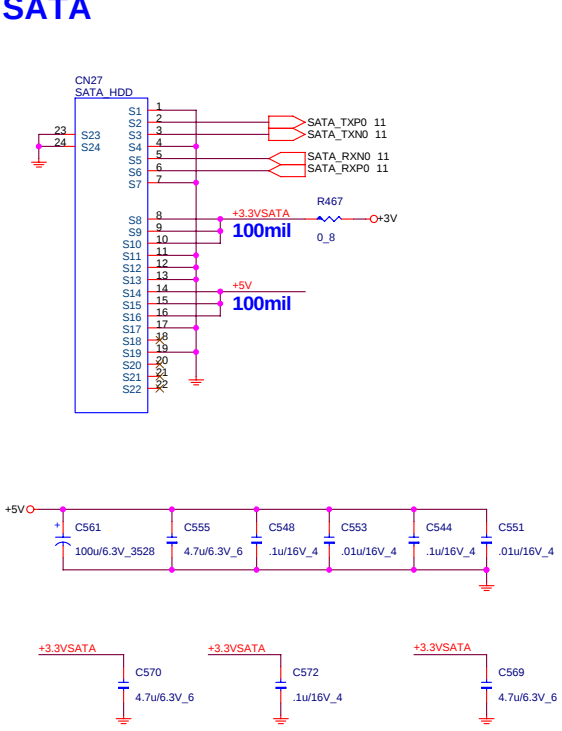
LED



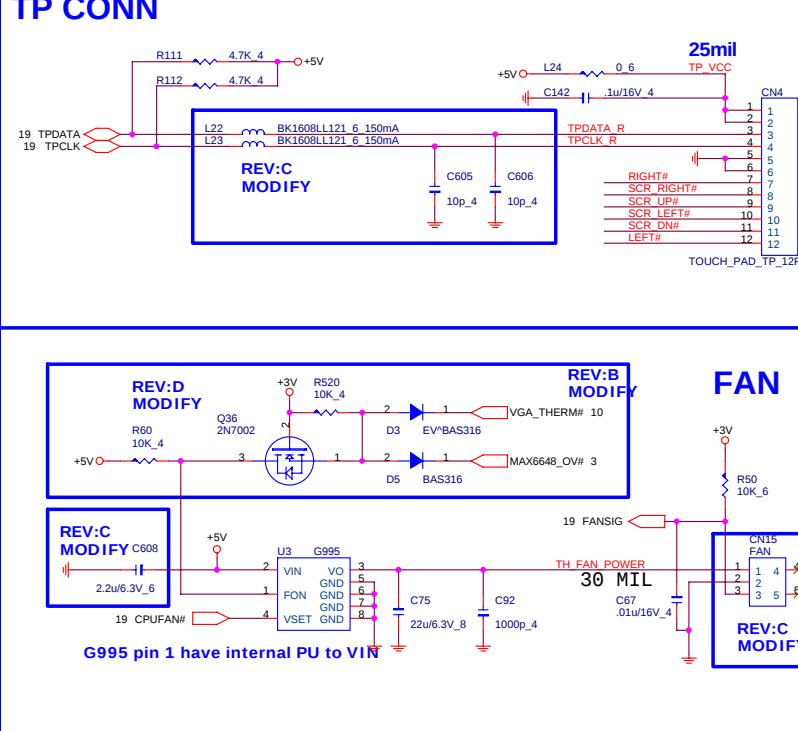
LID



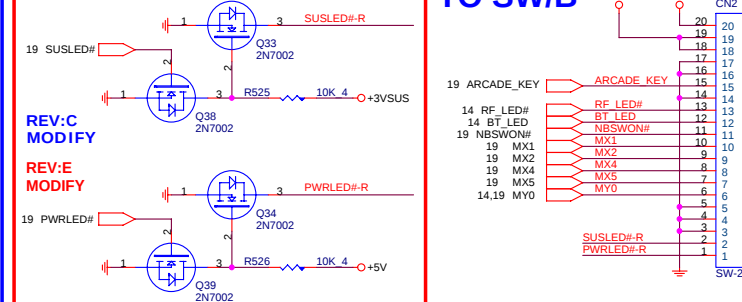
SATA



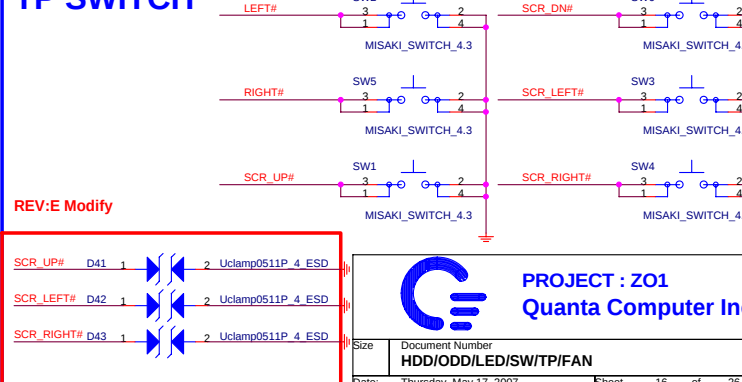
TP CONN



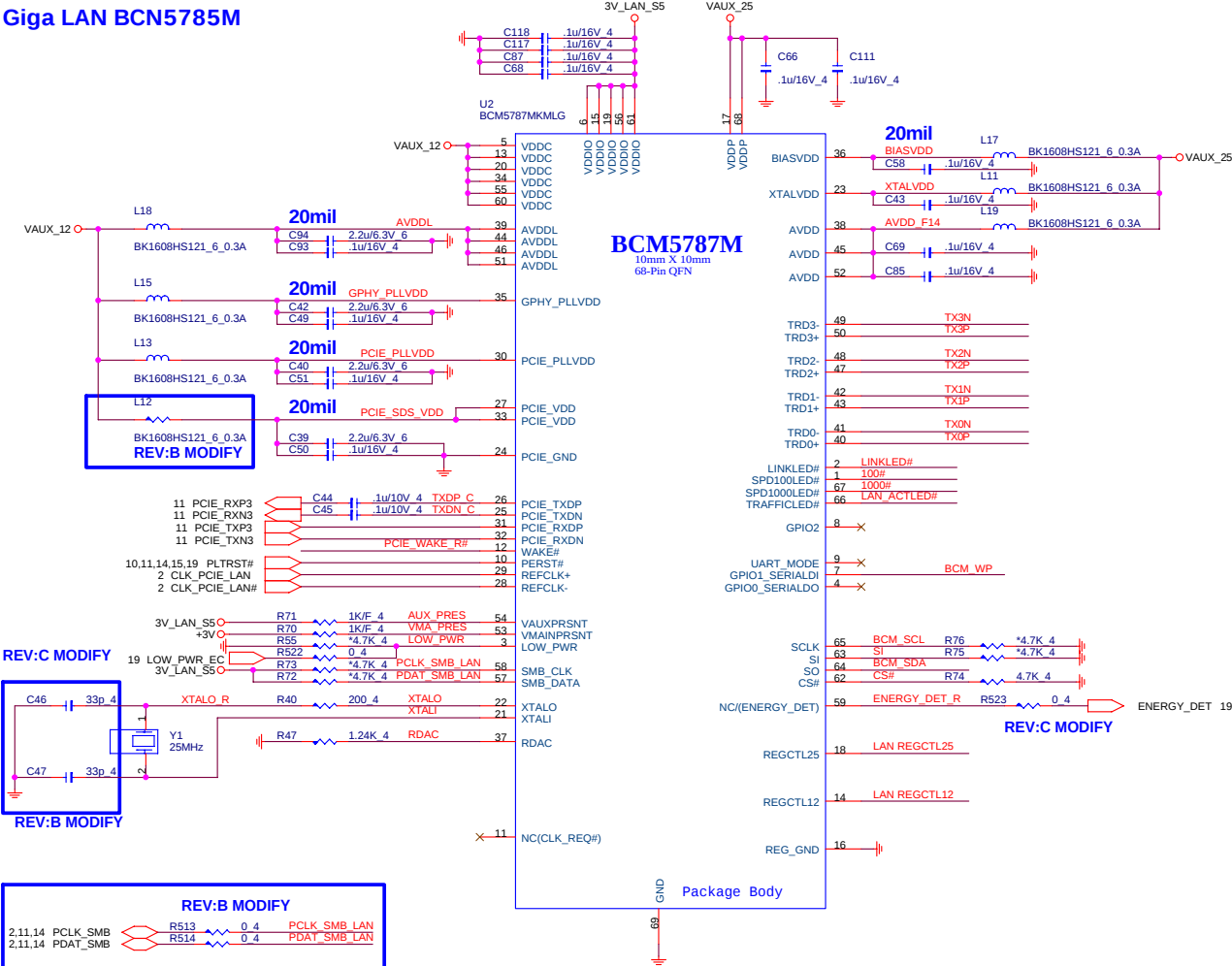
TO SW/B



TP SWITCH

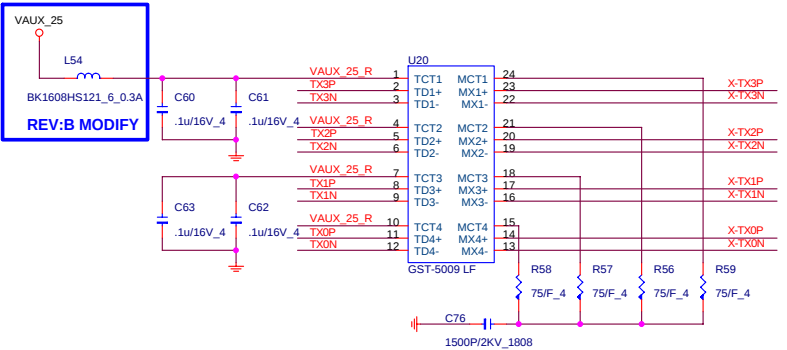


Giga LAN BCN5785M

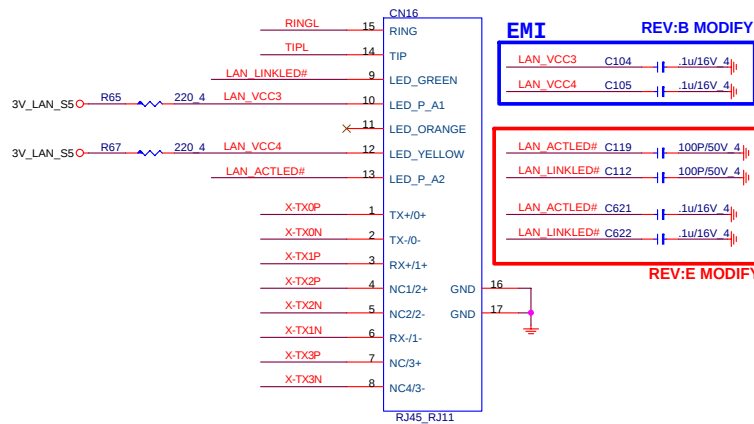


Transformer

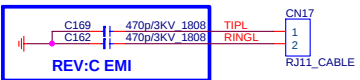
Source 1:	DELTA	LFE9249	DB0ZR1LAN11
Source 2:	Bothand	GST5009	DBKN1NLAN03
Source 3:	FCE	NS892402	DB0ZH1LAN06



RJ45 & RJ11 connector



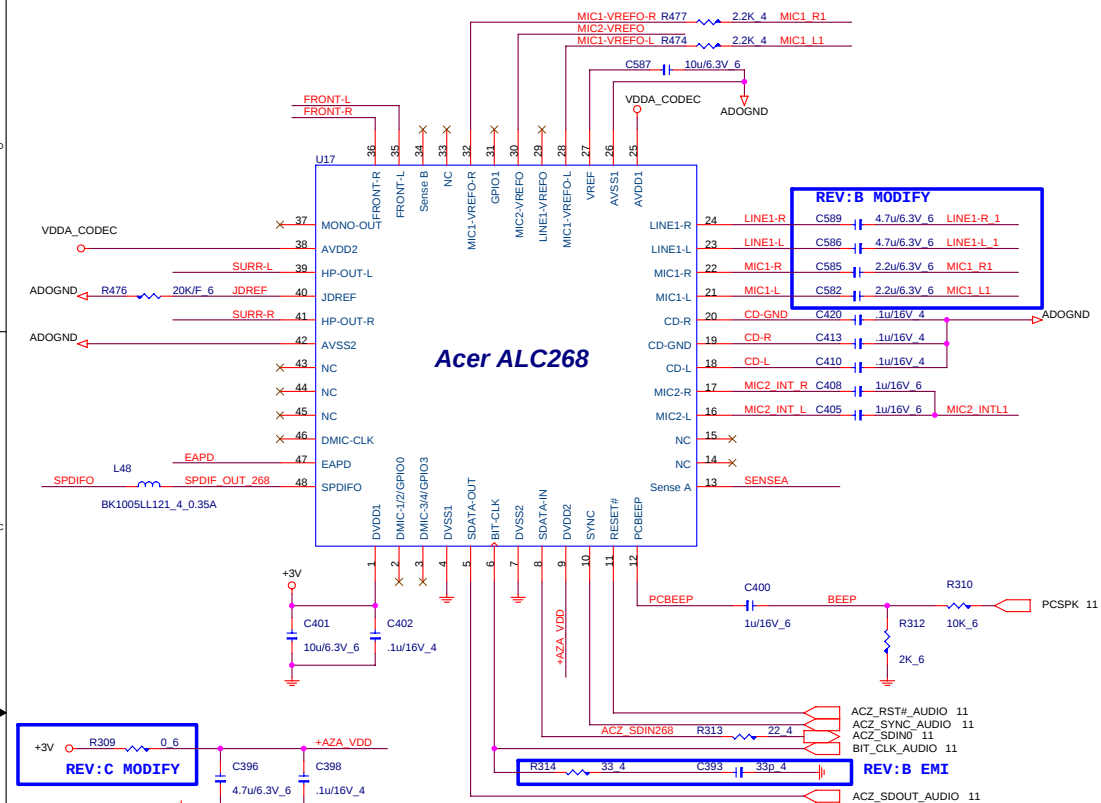
RJ11 cable



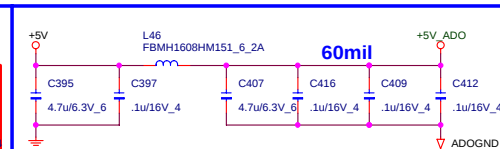
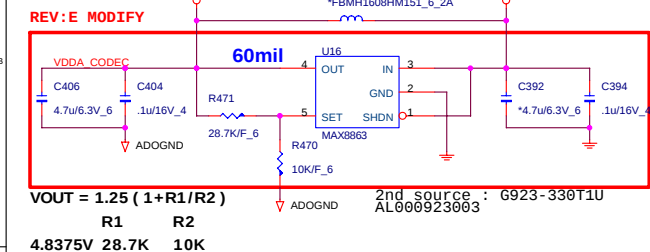
PROJECT : ZO1
Quanta Computer Inc.

Size	Document Number GigaLAN BCM5787M & RJ45/11	Rev 3A
Date:	Thursday, May 17, 2007	Sheet 17 of 26

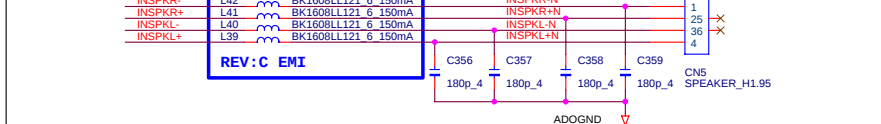
CODEC(ALC268)



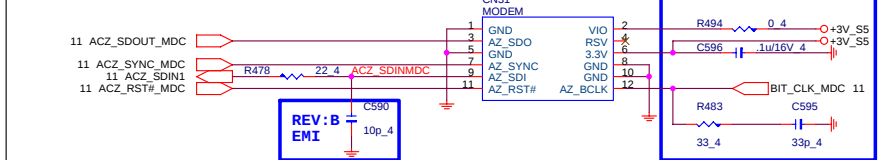
Codec Power



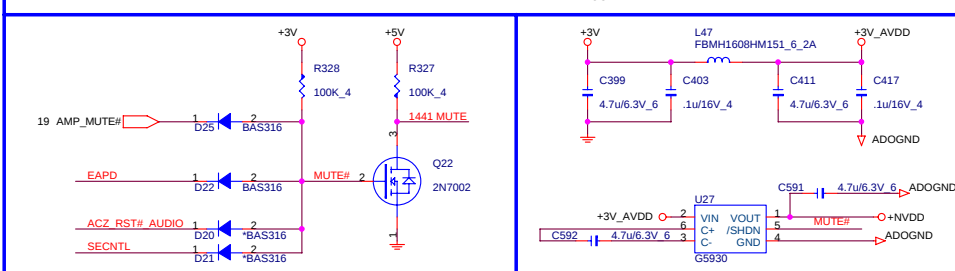
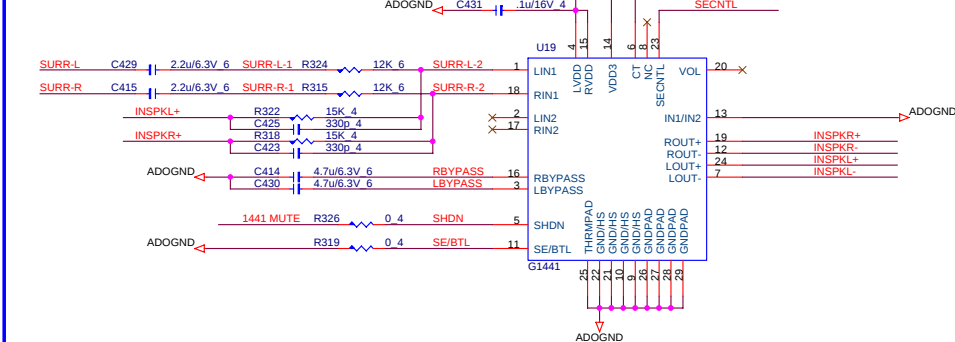
SPEAKER



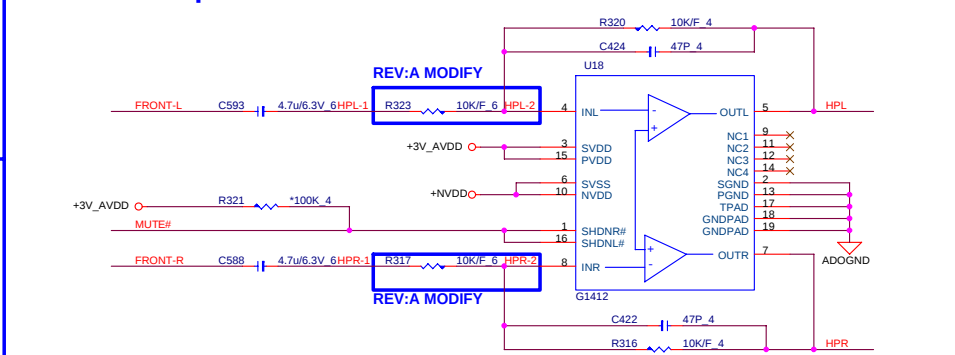
MDC



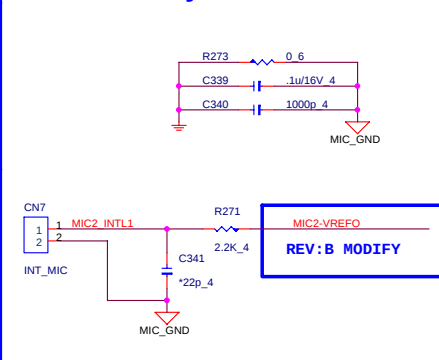
Speaker Amplifier



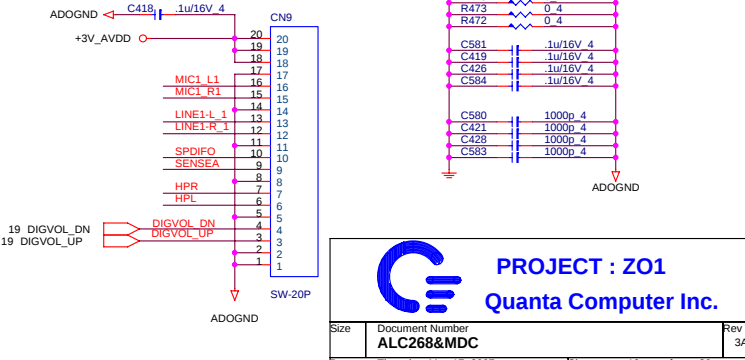
LINE OUT Amplifier

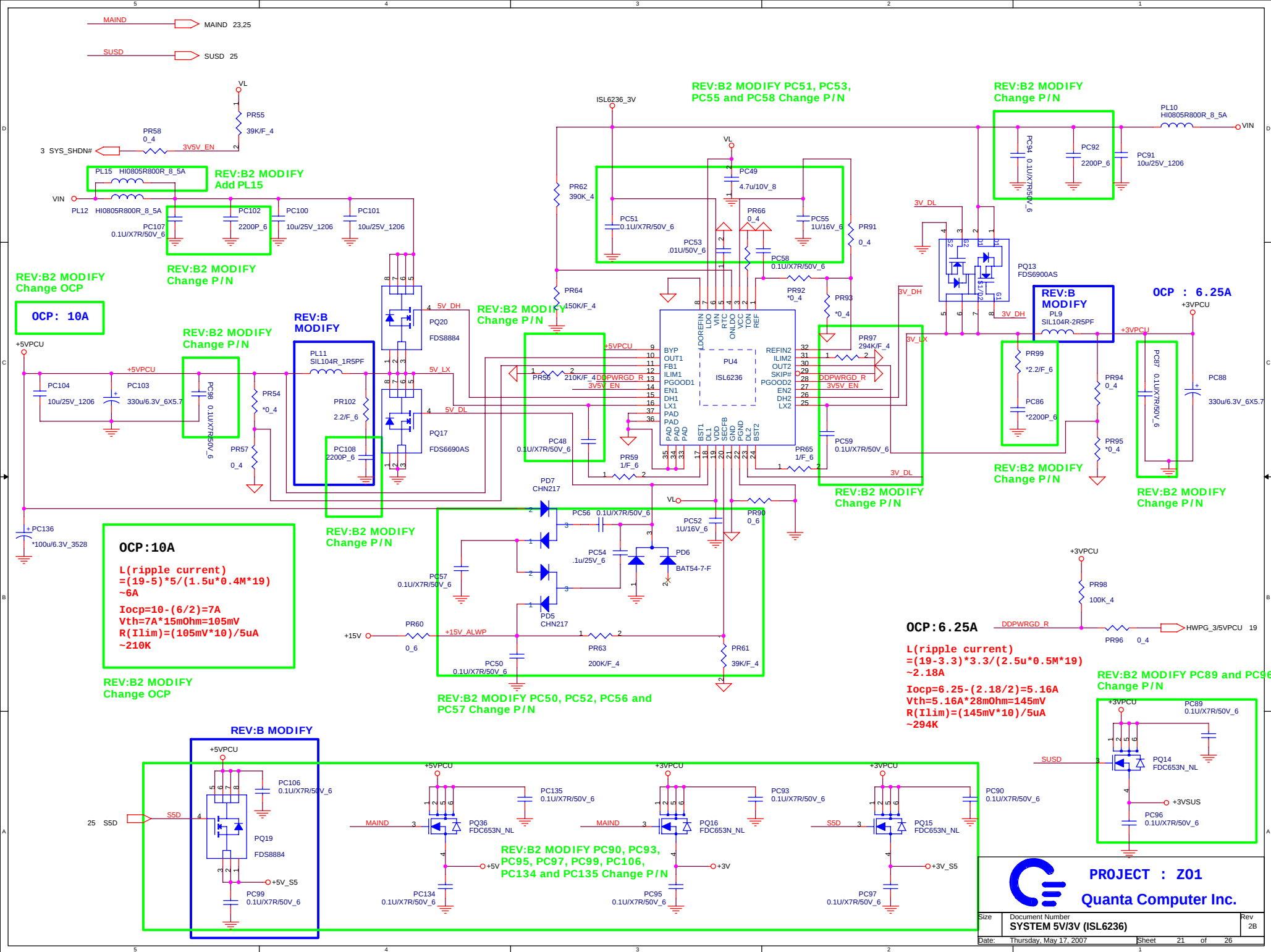


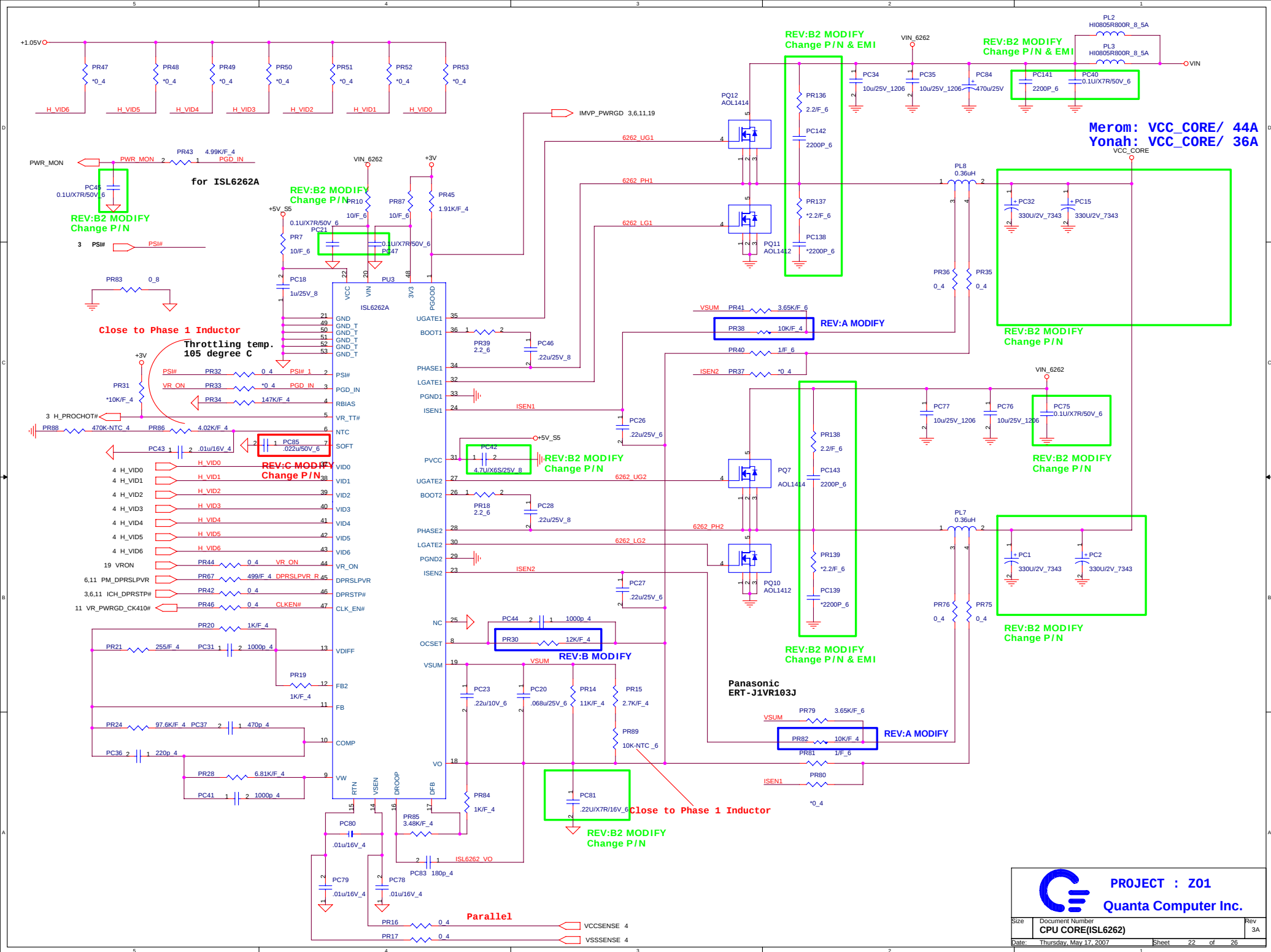
INT MIC array

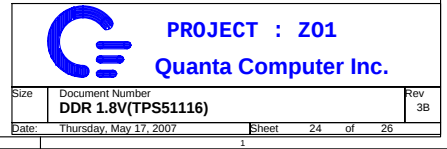


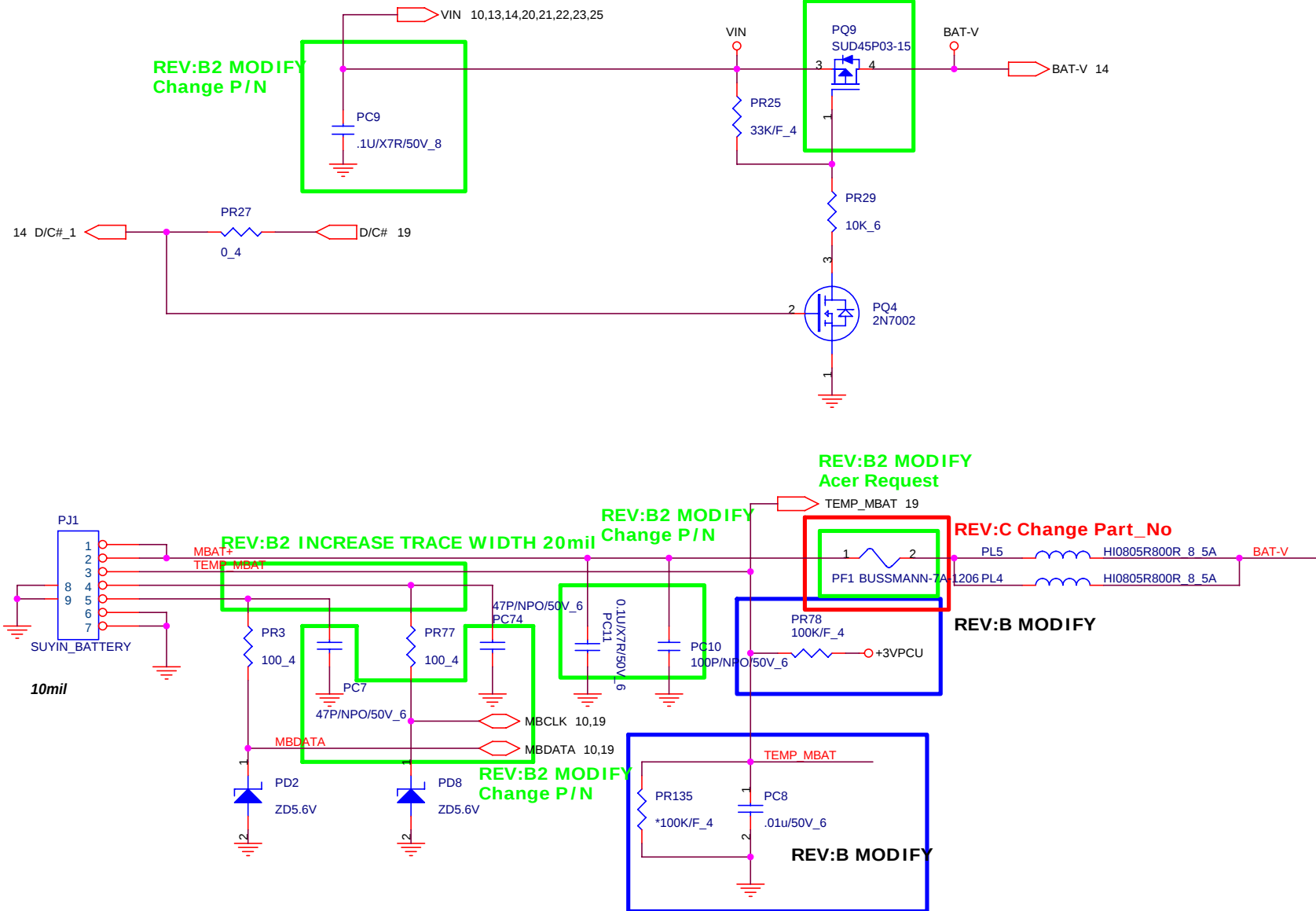
AUDIO/B











PROJECT : Z01
Quanta Computer Inc.

Size	Document Number	Rev
	CHARGER (ISL6251A)	3A
Date:	Thursday, May 17, 2007	Sheet 25 of 26

s-manuals.com