

Gemini2 (LE2) BLOCK DIAGRAM

BOM MARK

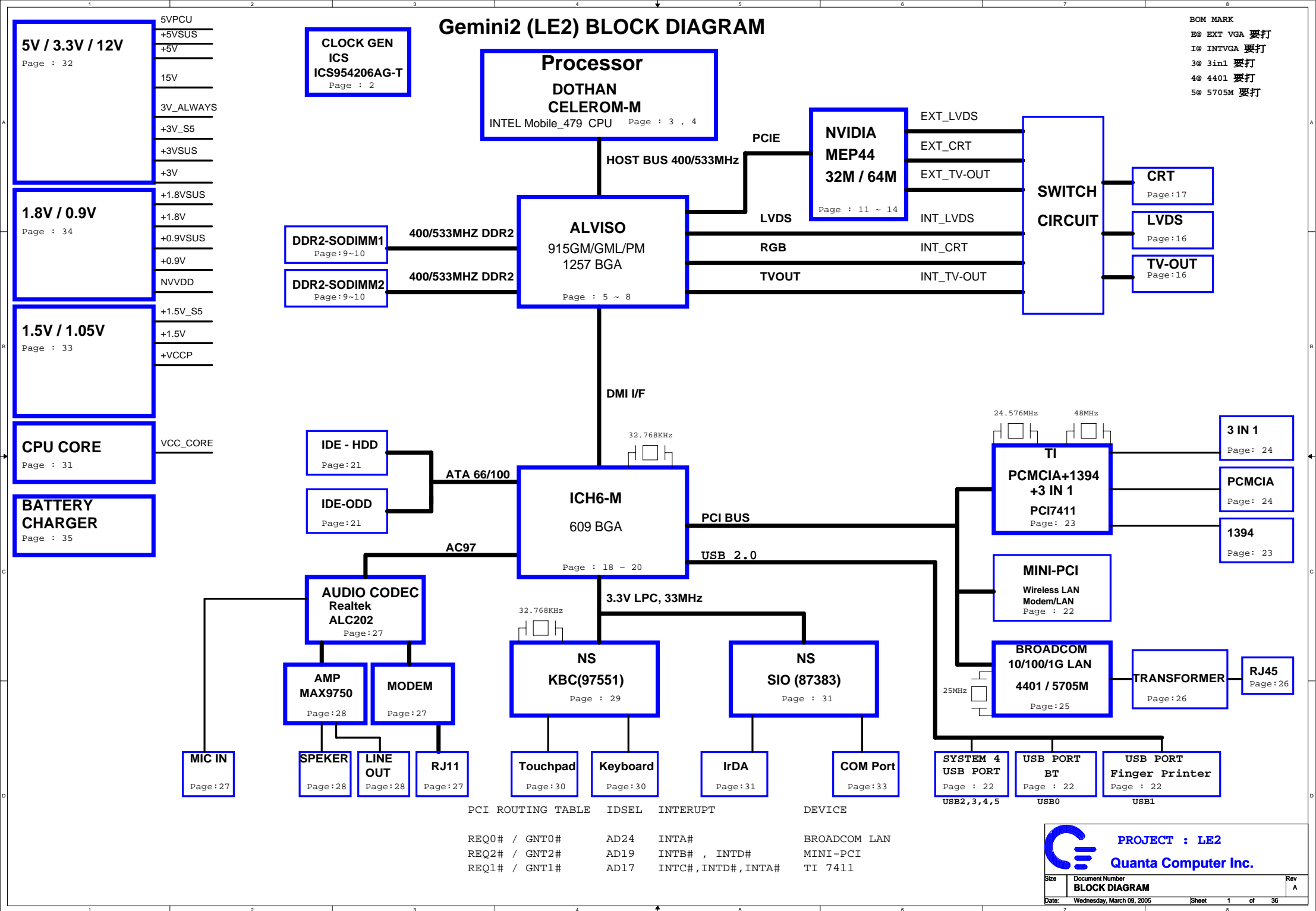
E@ EXT VGA 要打

I@ INTVGA 要打

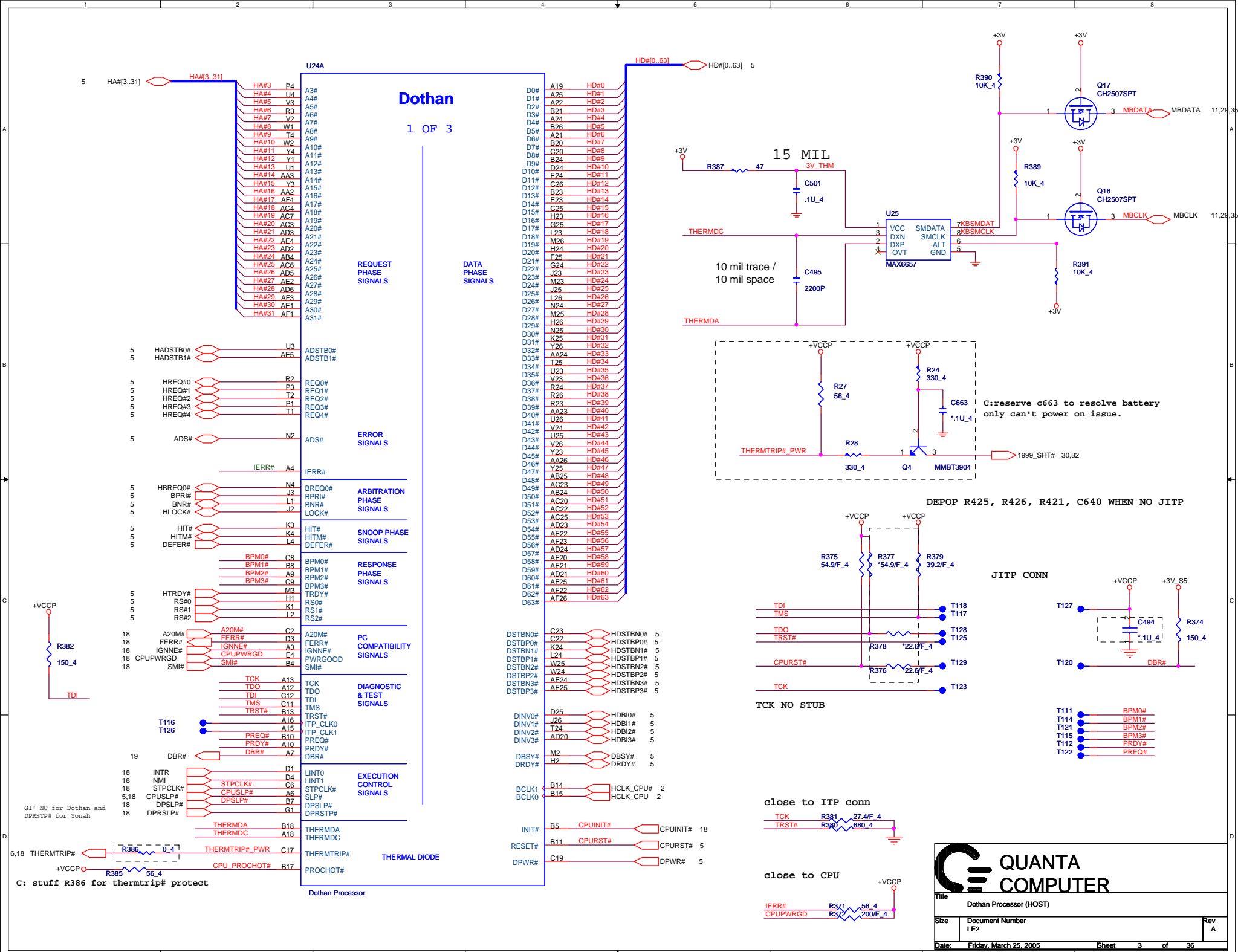
3@ 3in1 要打

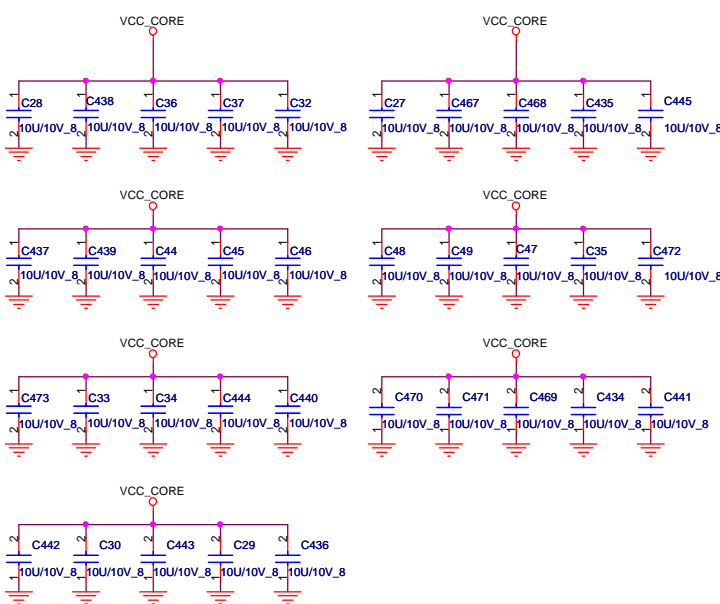
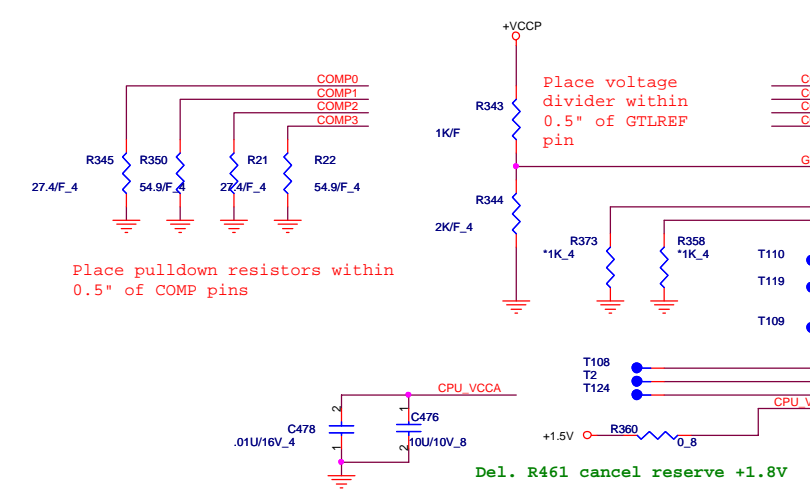
4@ 4401 要打

5@ 5705M 要打

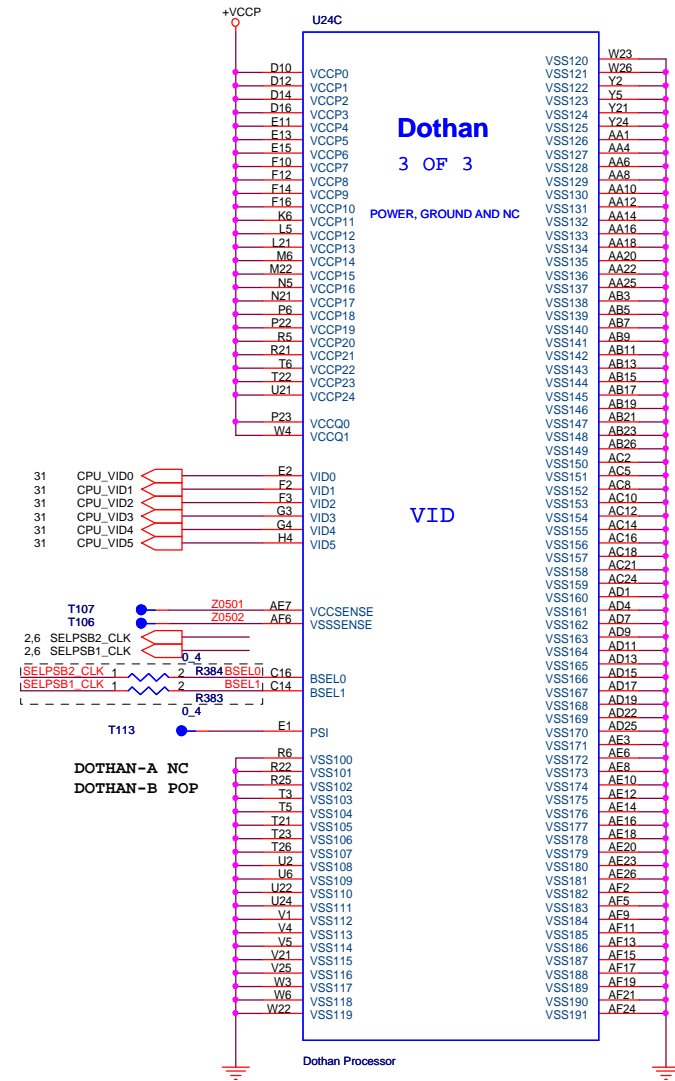
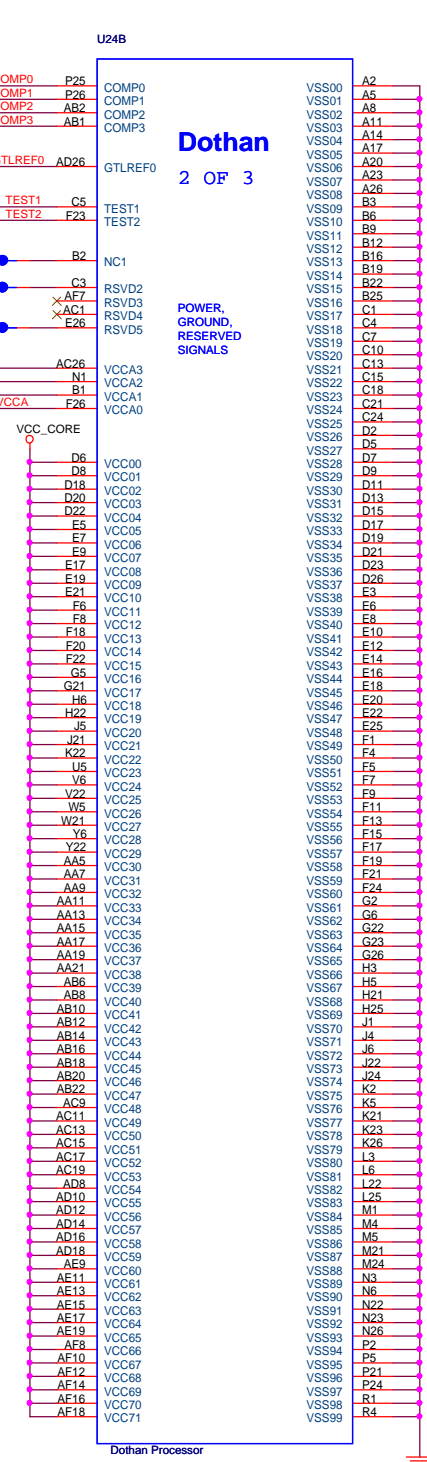
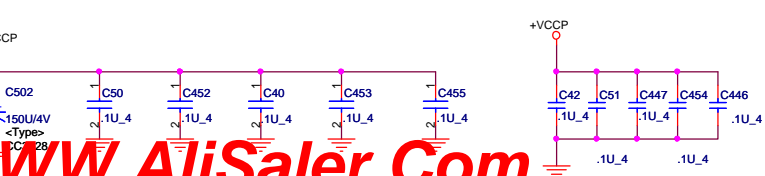


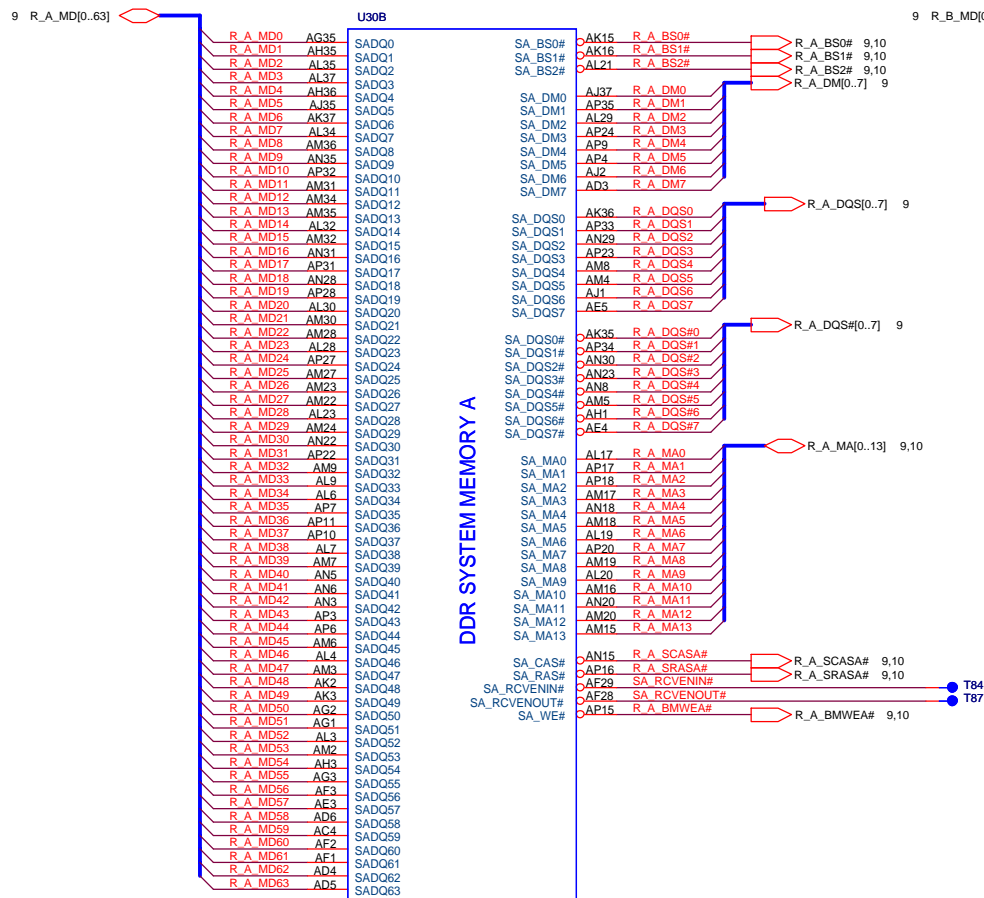




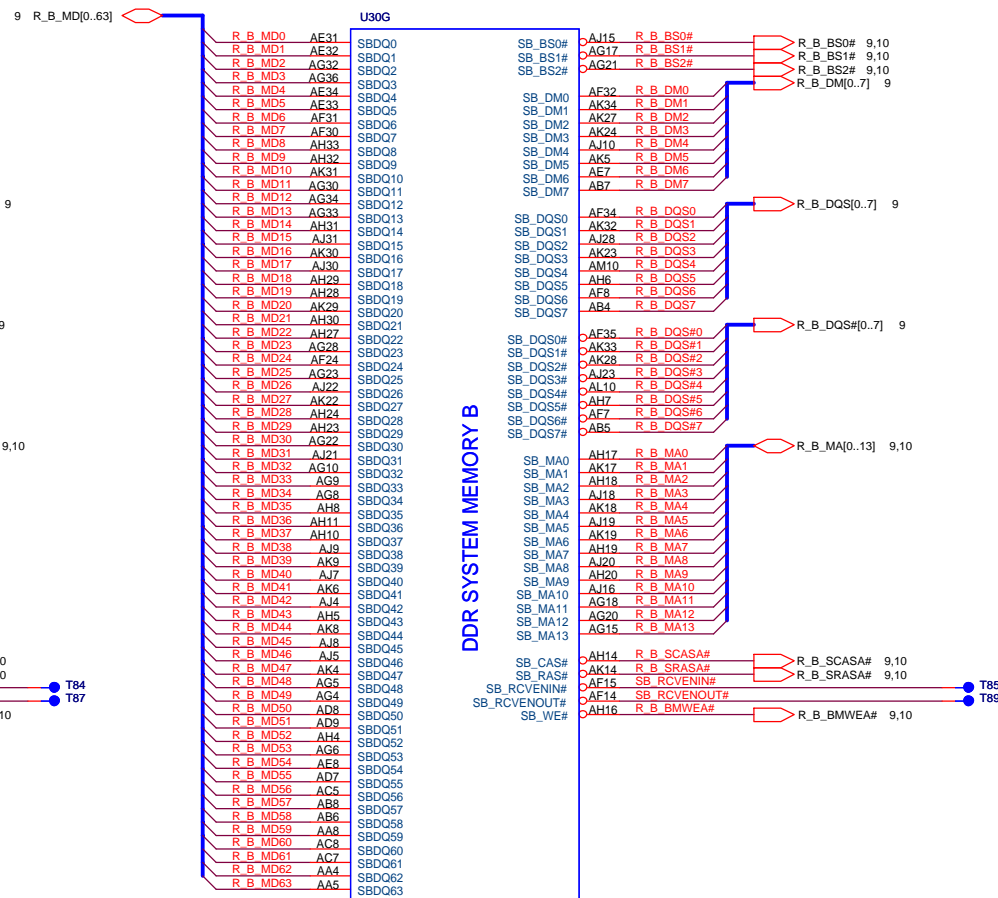


Total caps = 2633 uF
 ESR = 15m ohm/5 // 5m ohm/25 // 5m ohm/15



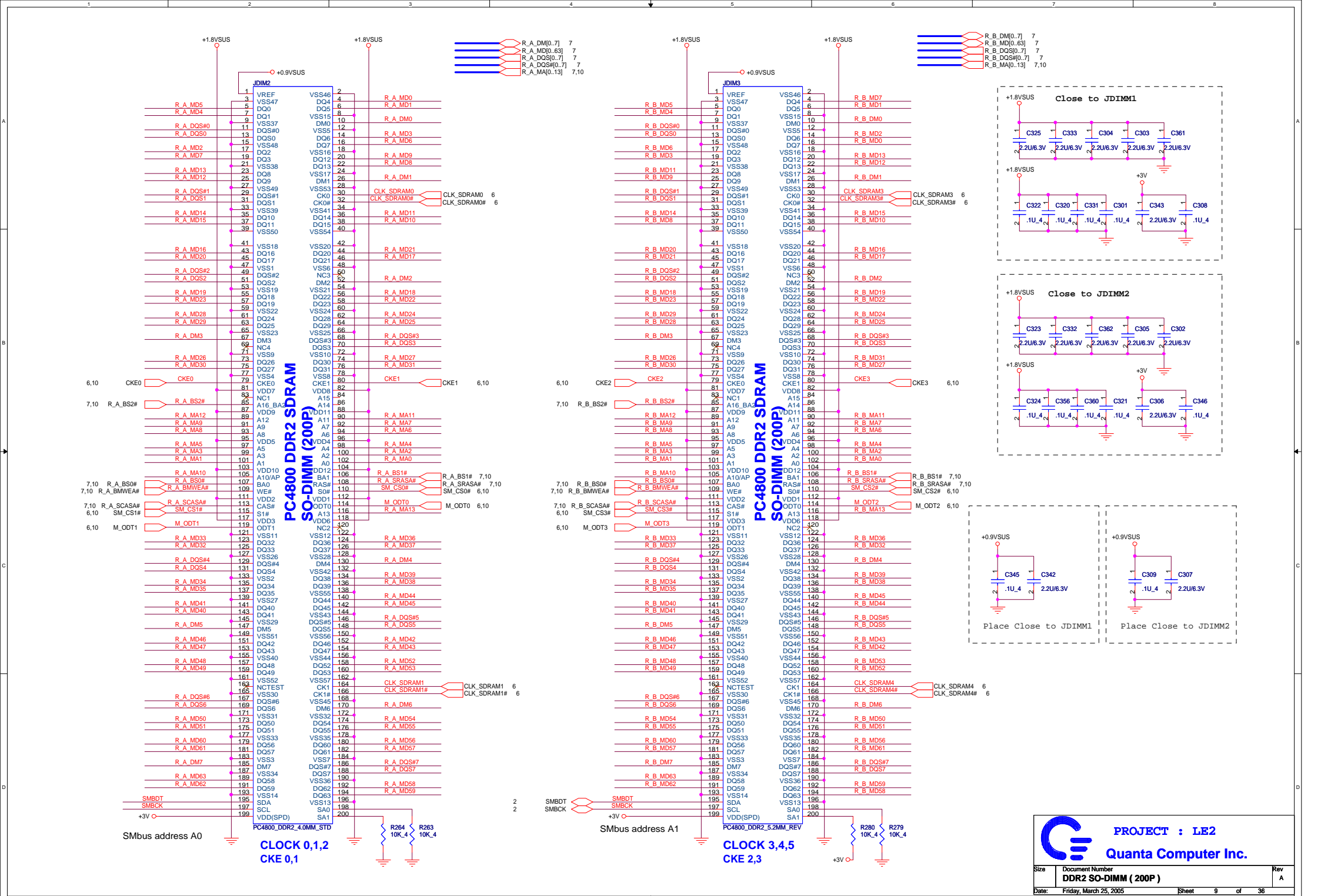


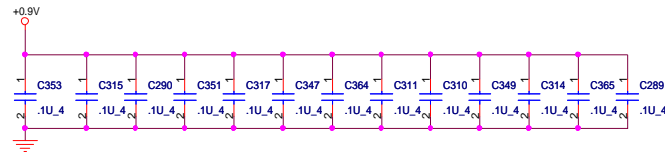
@ALVISO_GM/GML



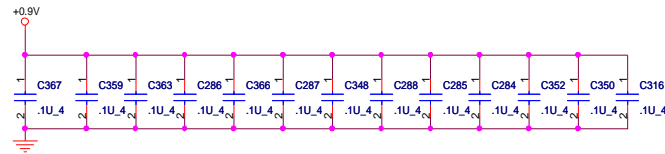
@ALVISO_GM/GML



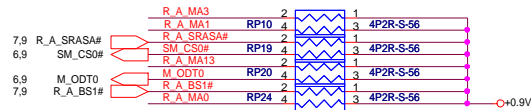
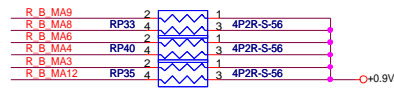
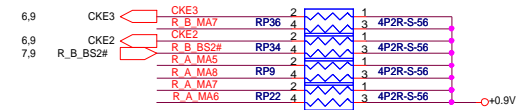
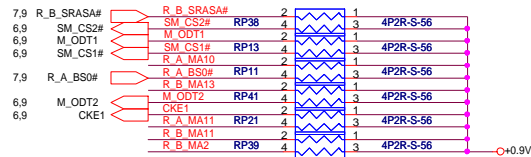
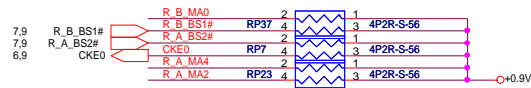


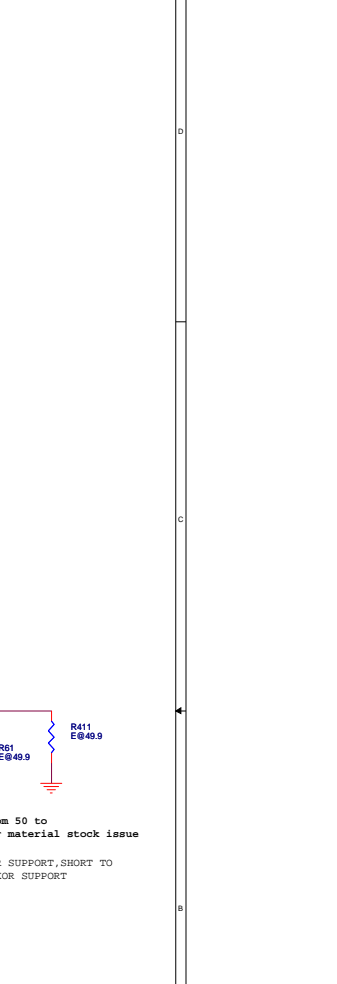
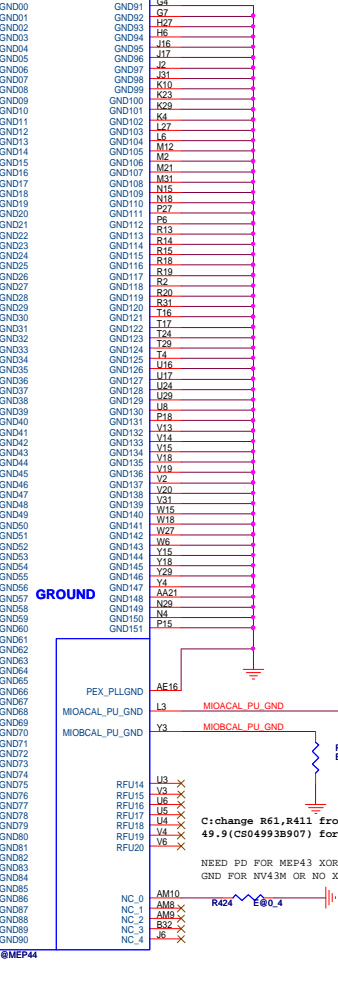
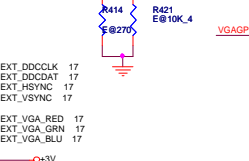
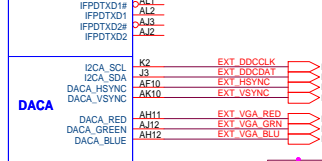
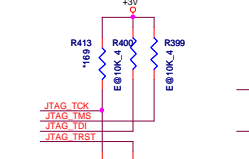
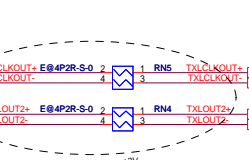
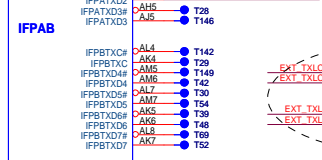
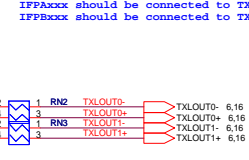
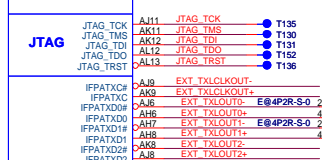
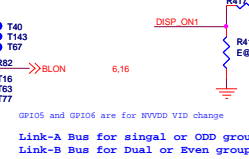
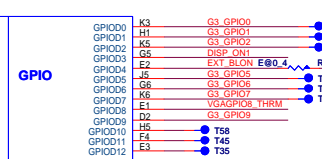
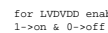


Layout note: Place one cap close to every 2 pullup resistors terminated to +0.9V

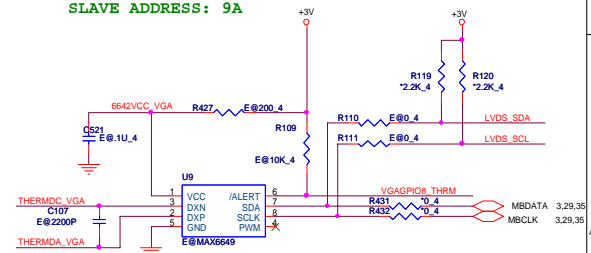


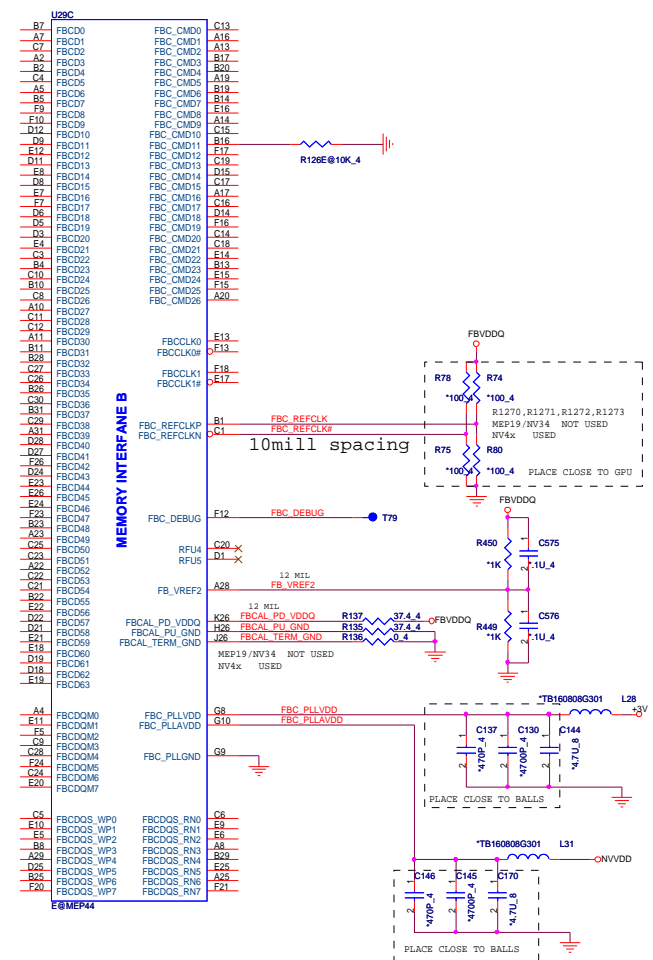
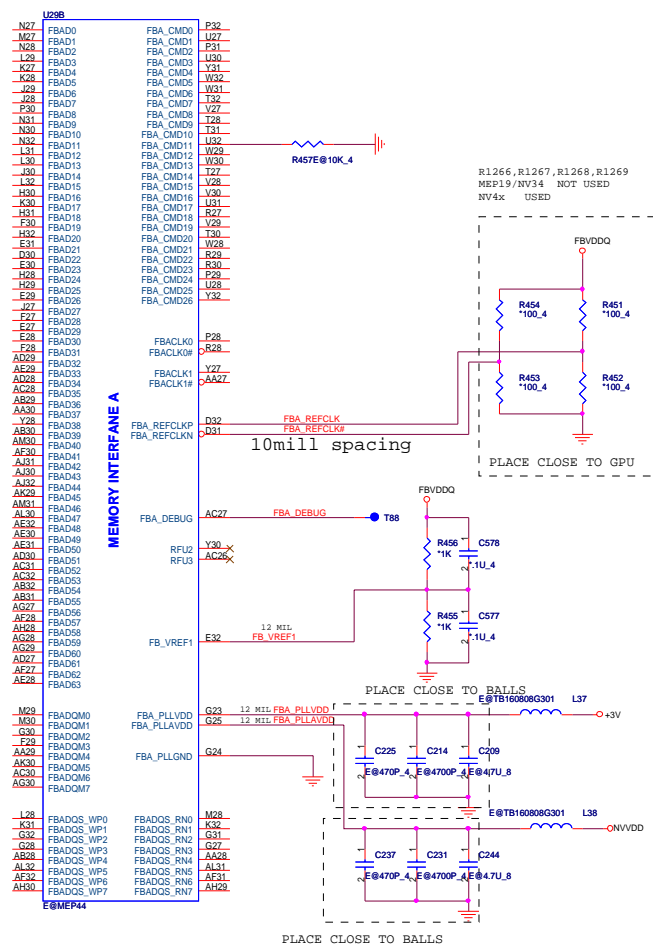
Layout note: Place one cap close to every 2 pullup resistors terminated to +0.9V



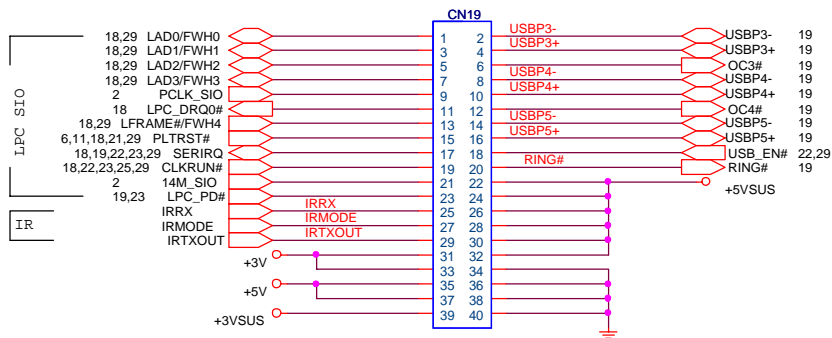


SLAVE ADDRESS: 9A

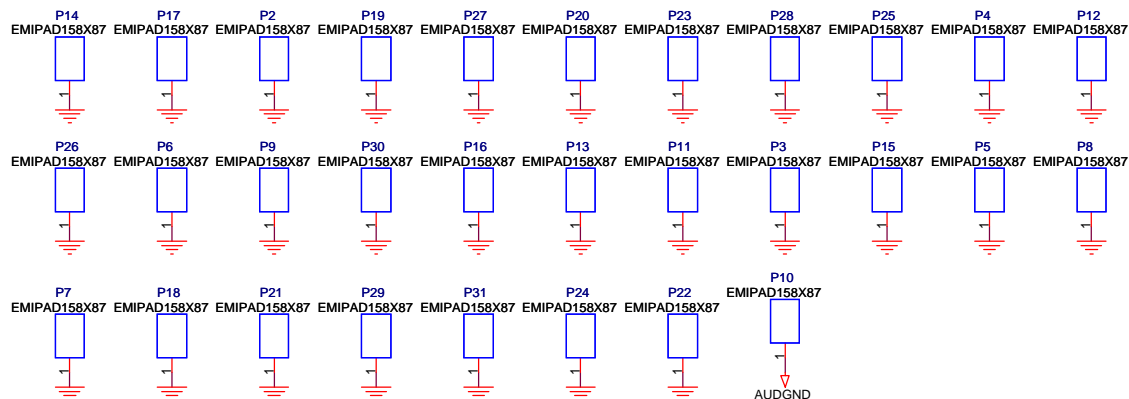
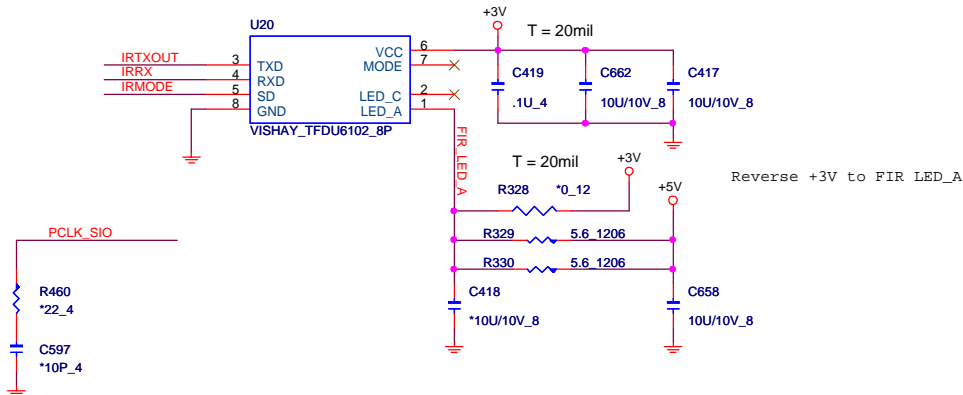




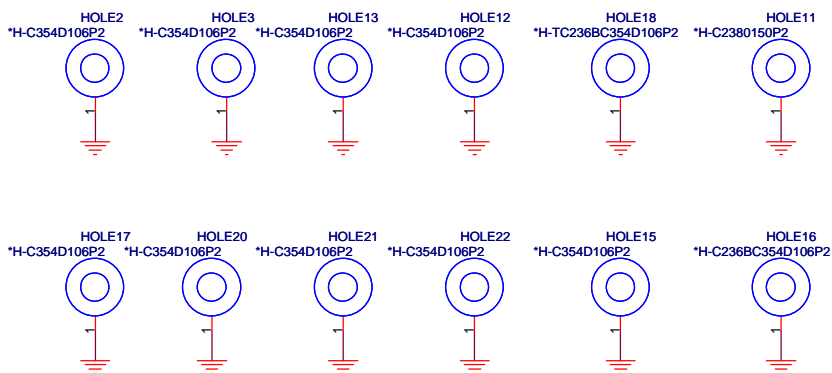
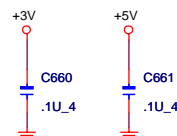
M/B TO MODEM/B



MODEM B TO B(88019-40N0)

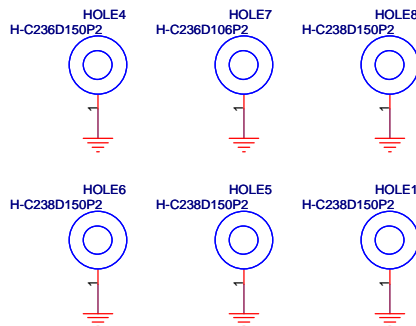


EMI

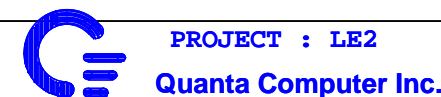
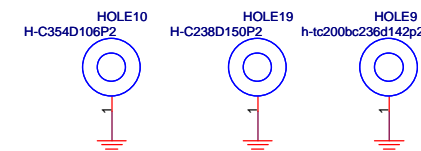


NUT 2.5X6

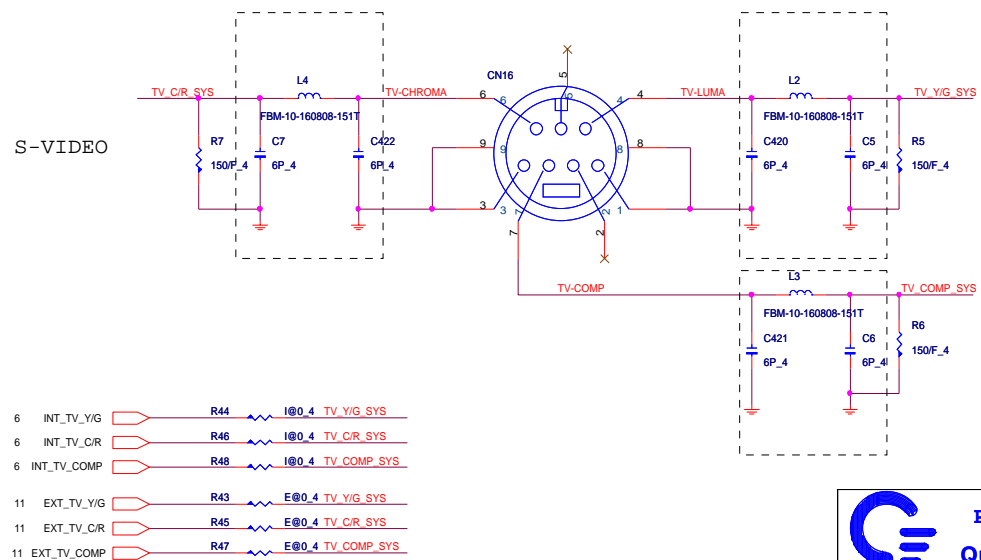
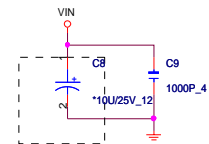
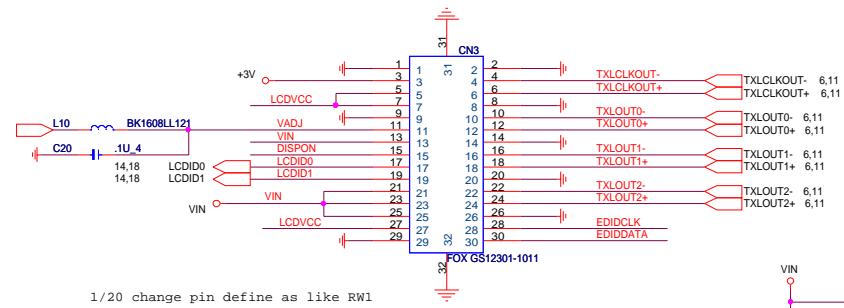
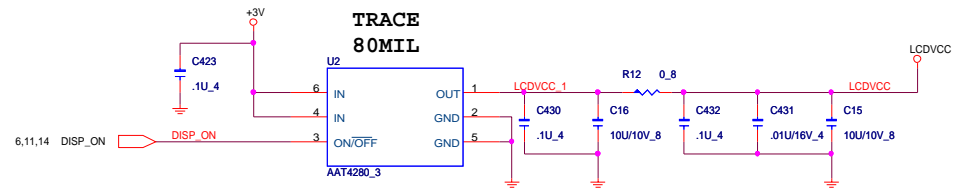
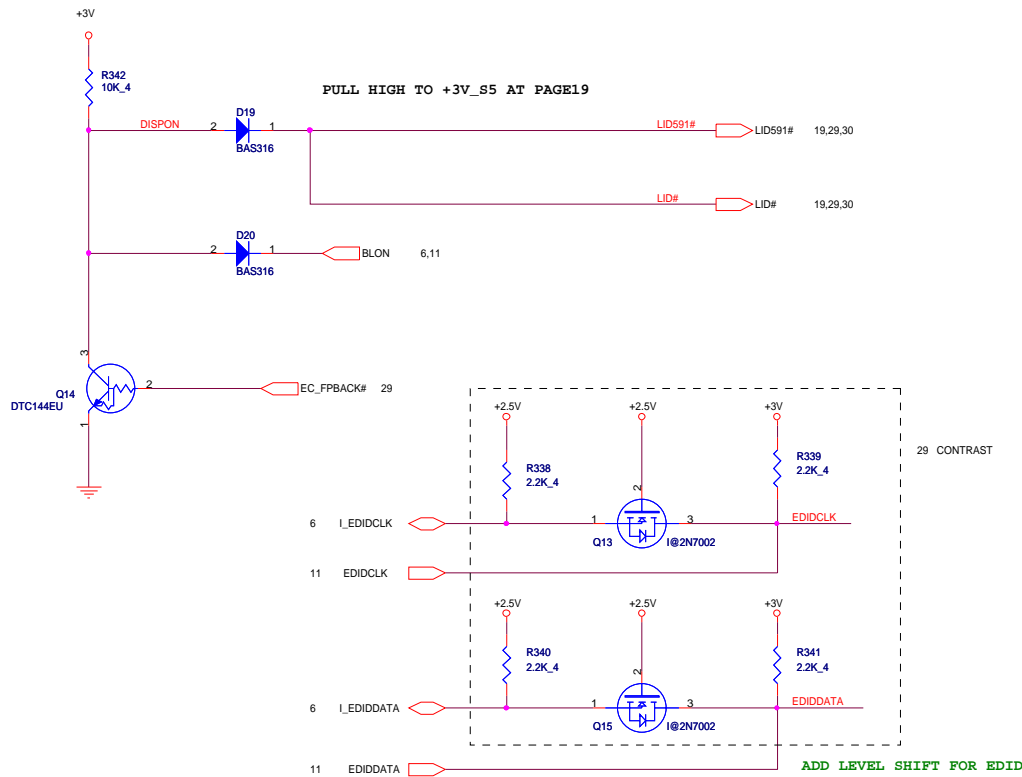
B:Screw (HOLE4) change footprint to H-C236D150P2

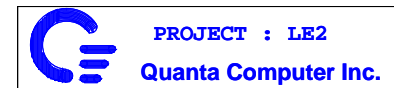
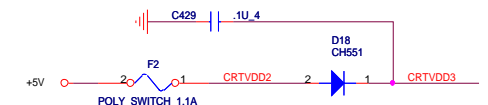
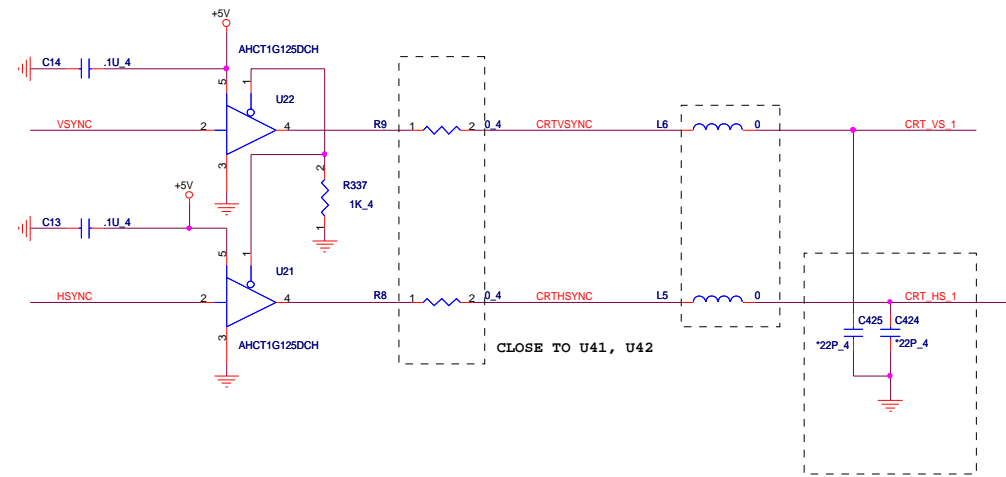
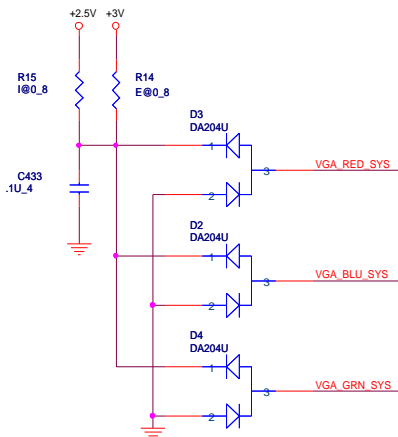
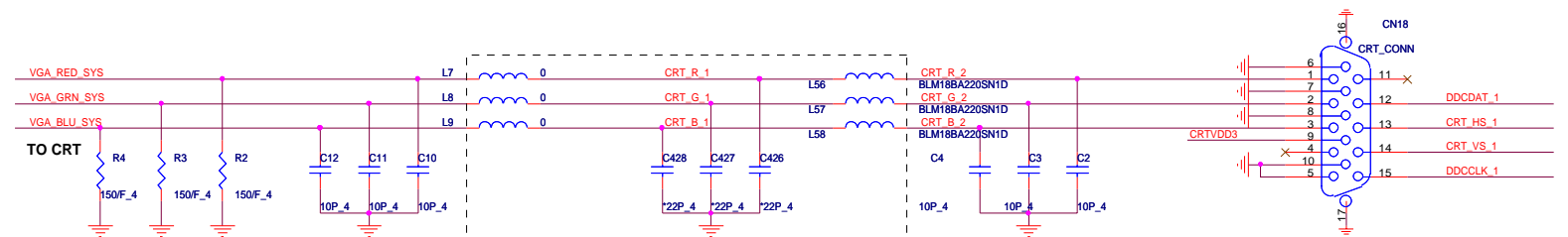
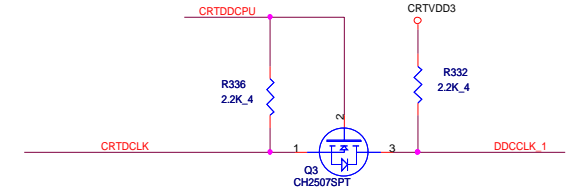
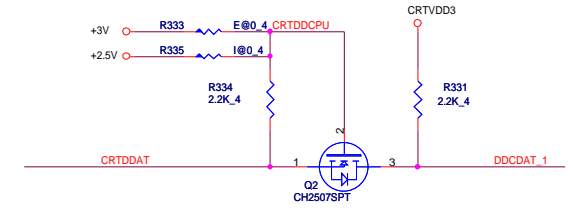
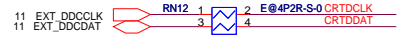
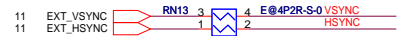
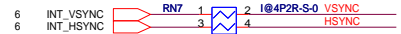


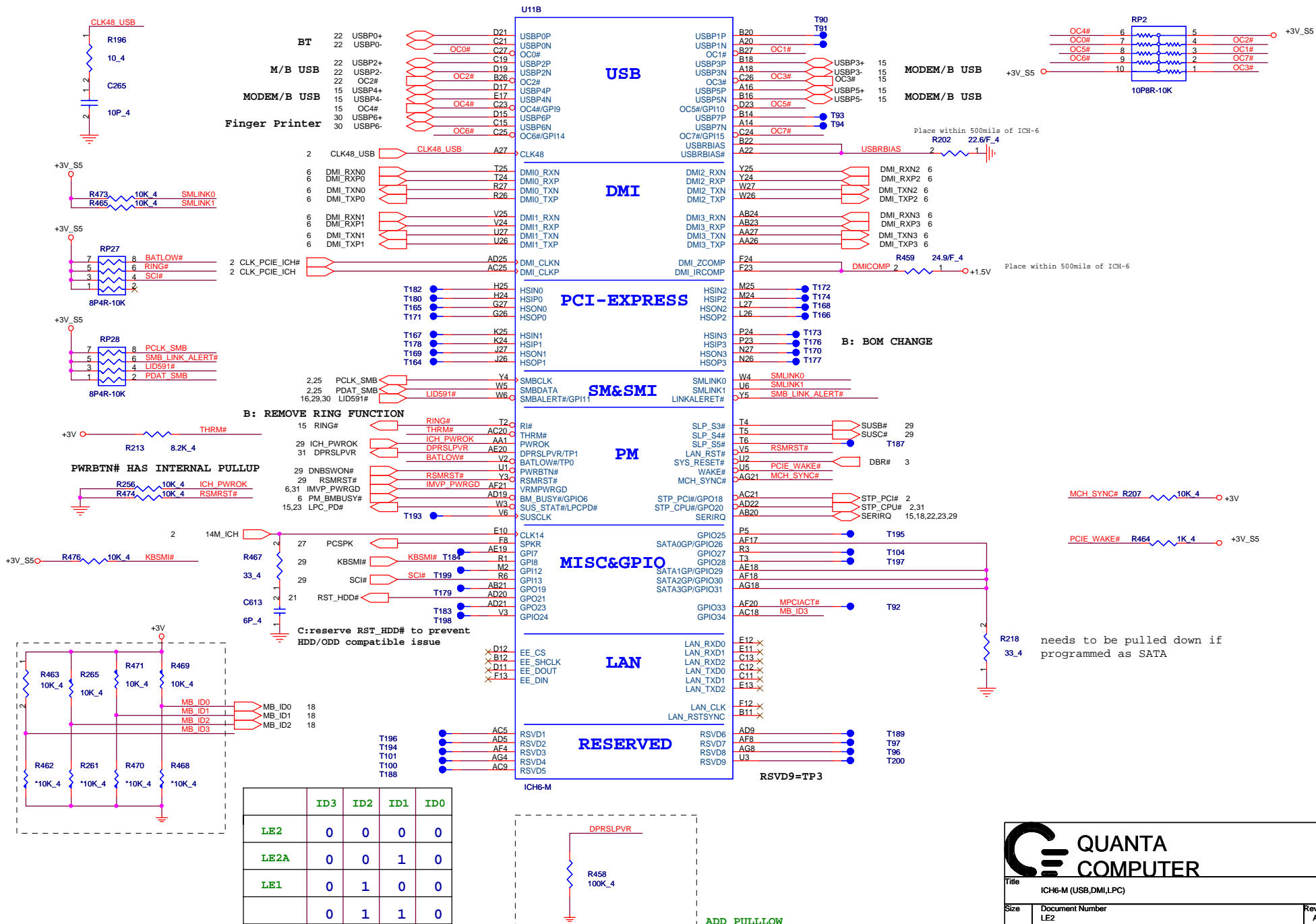
NUT 2.5X3

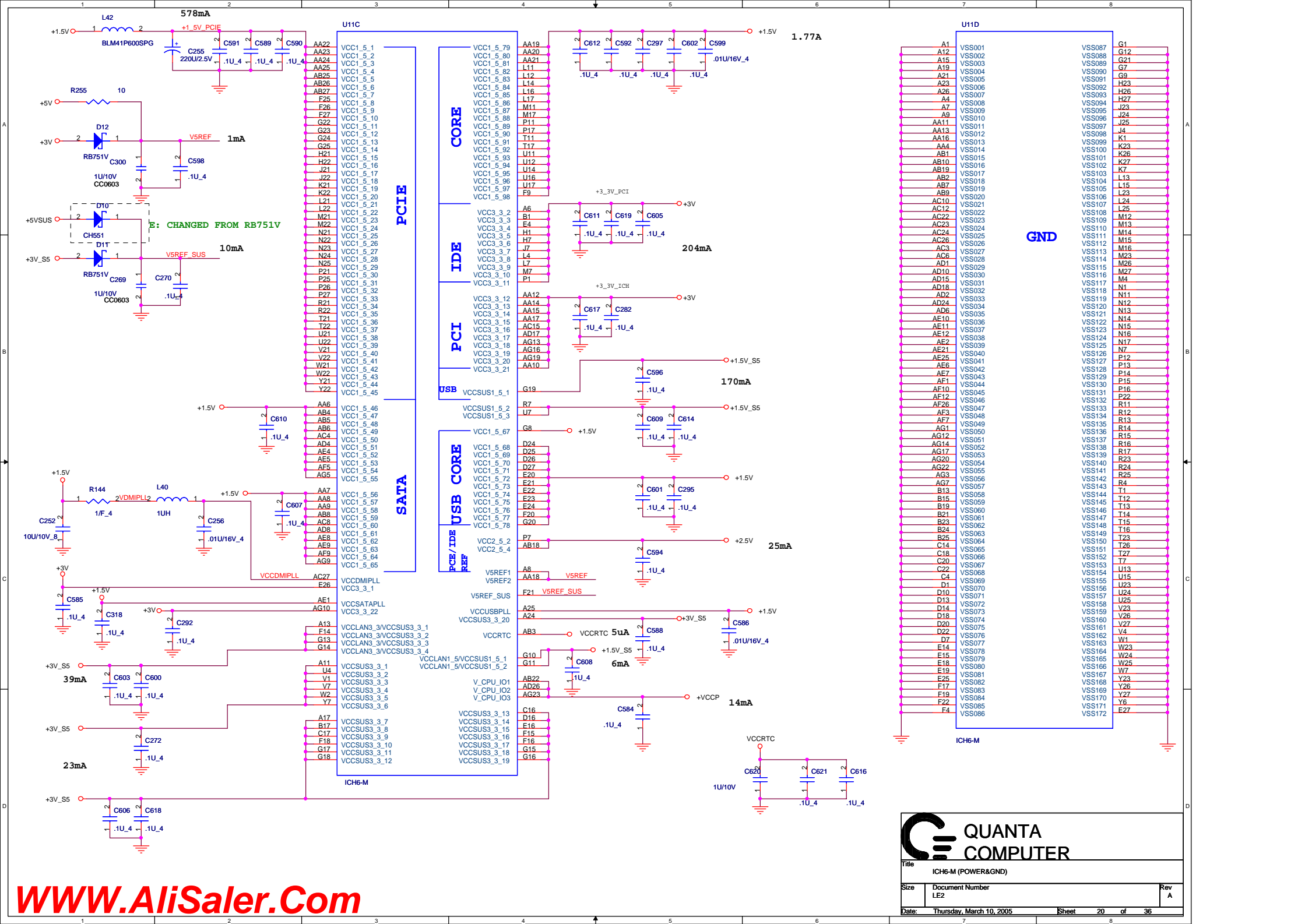


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B	FIR,SCREW,EMI PAD	1A
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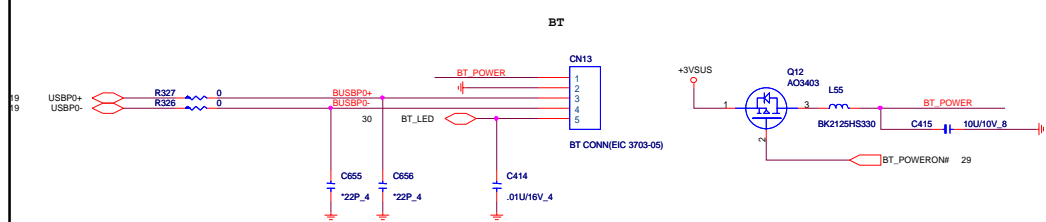
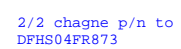
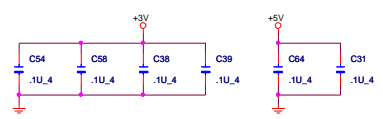


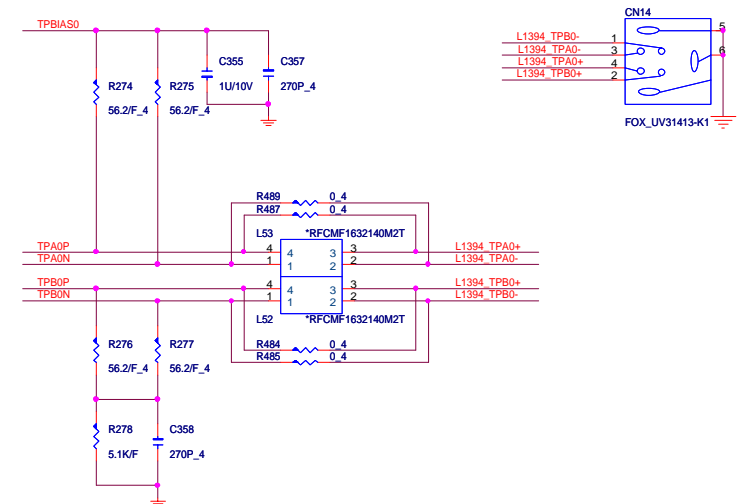
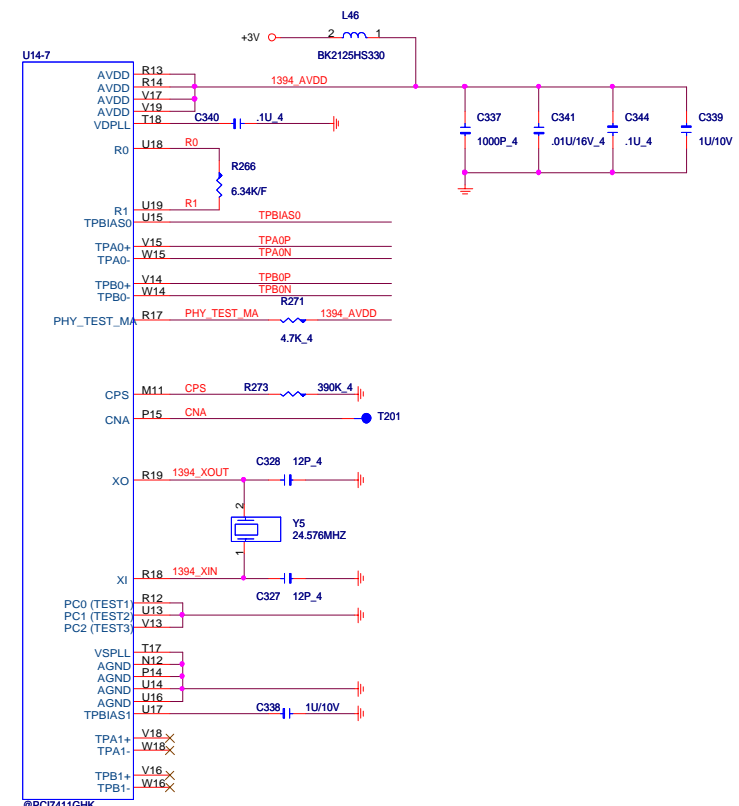
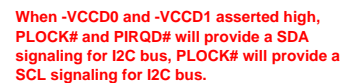


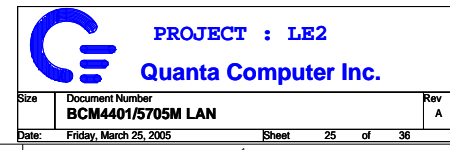




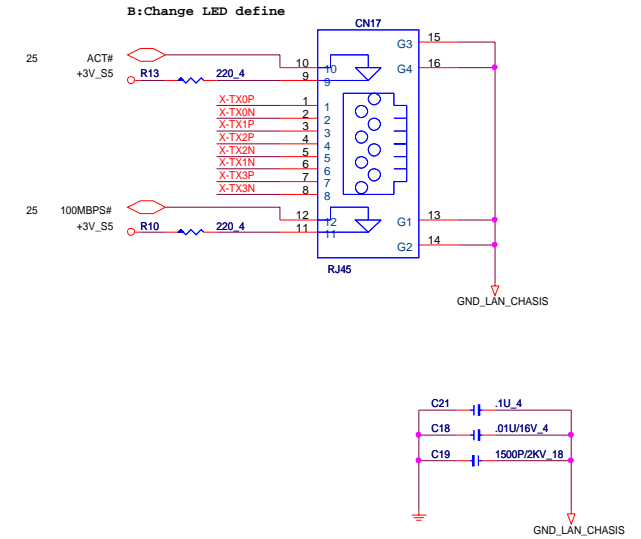
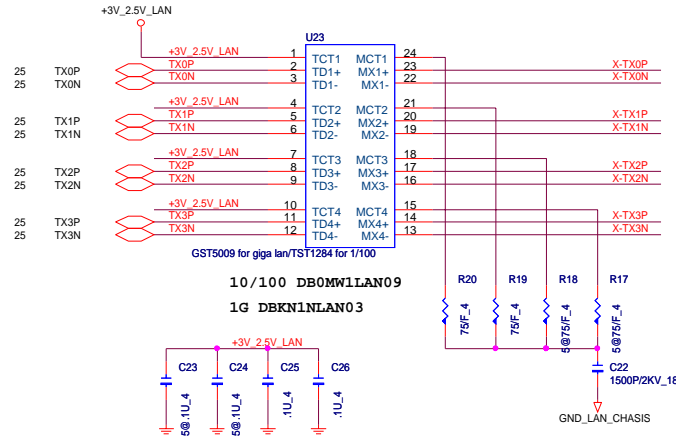
MINI-PCI



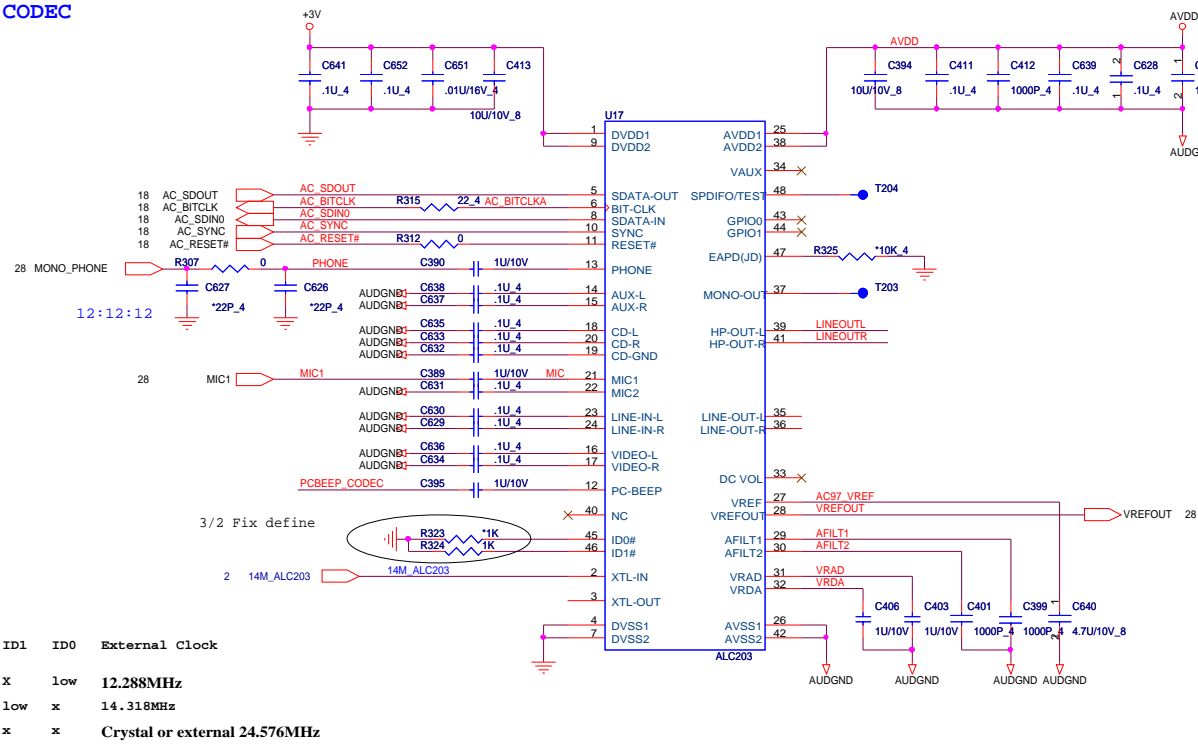




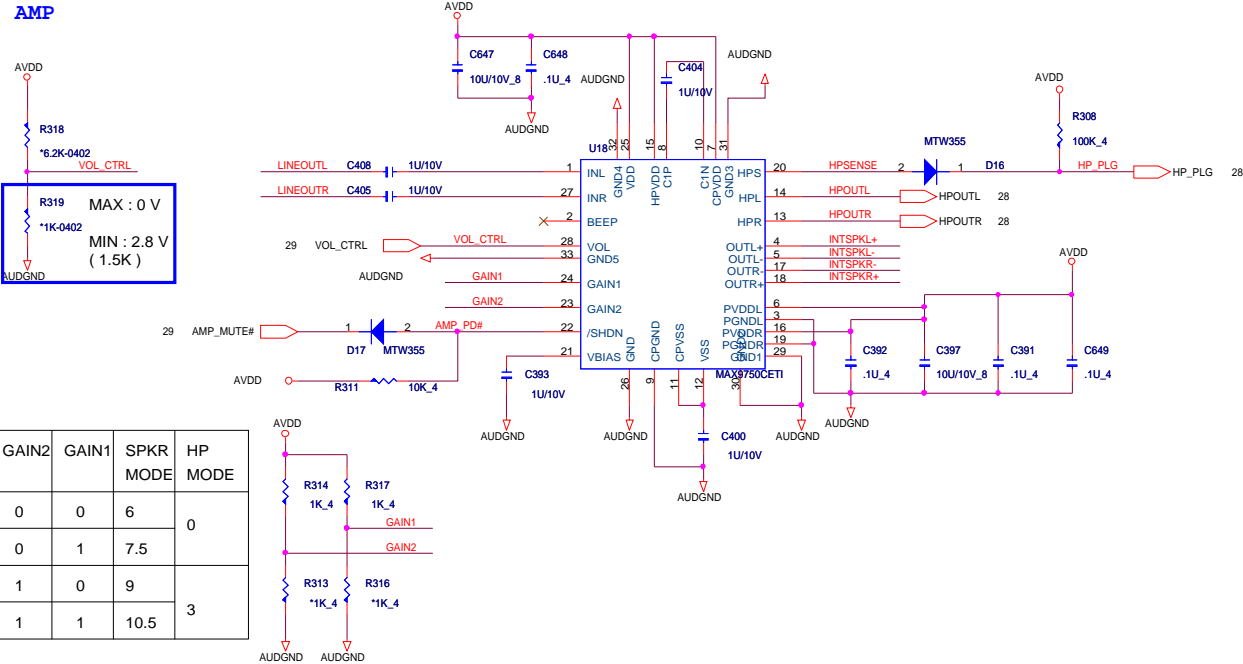
B:Change 10/100 LAN transform U23 to ST1284A(DB0MM1LAN09)



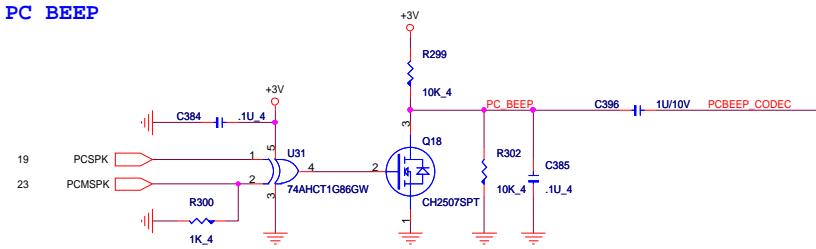
CODEC



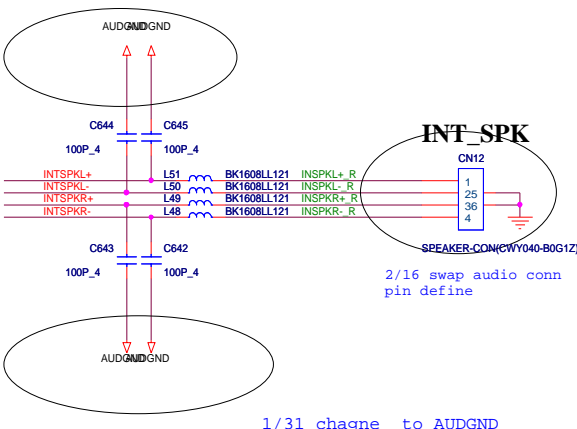
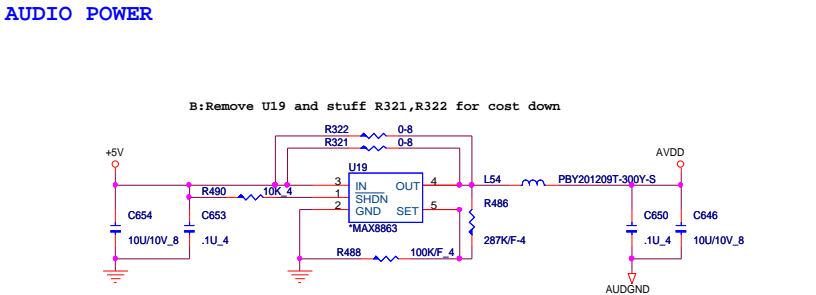
AMP



PC BEEP

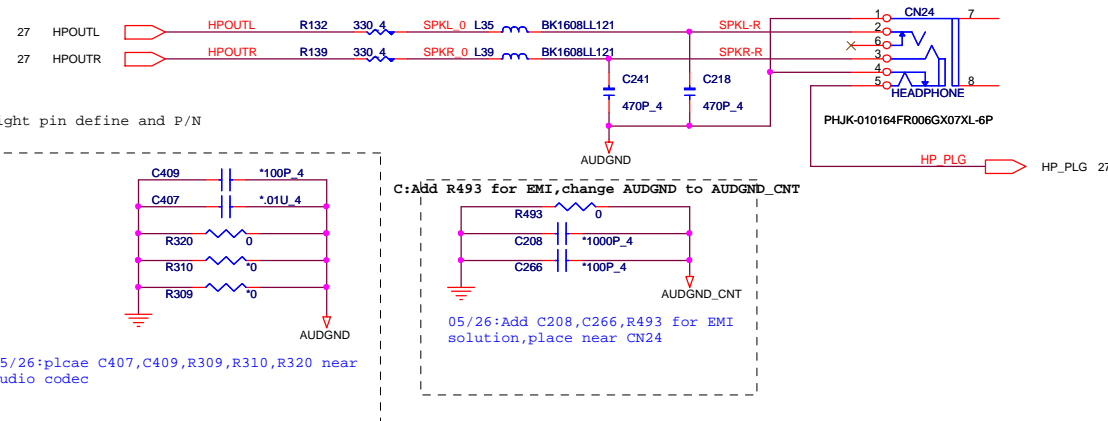


AUDIO POWER

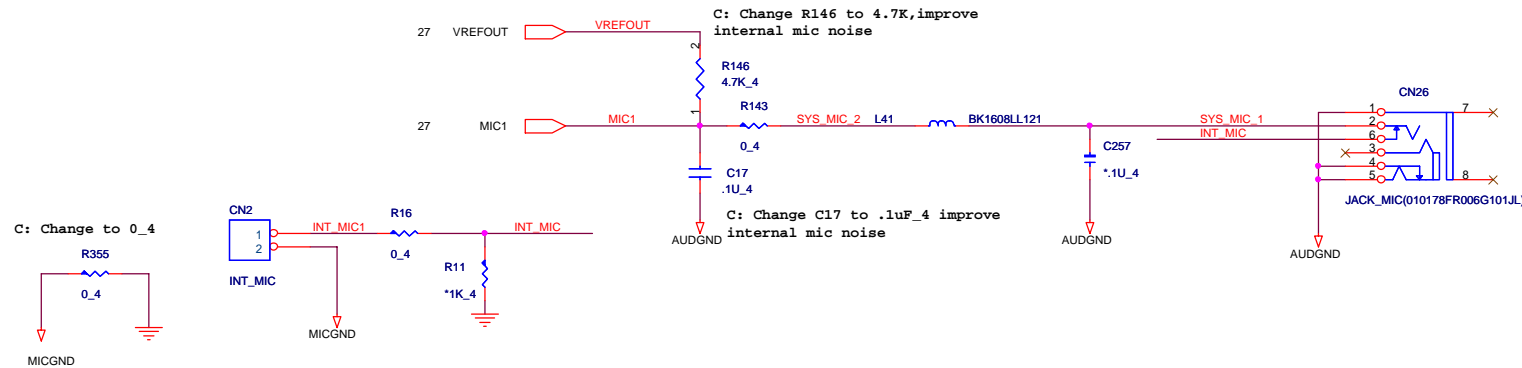


PROJECT : LN1
Quanta Computer Inc.

HEADPHONE OUT (LIME)

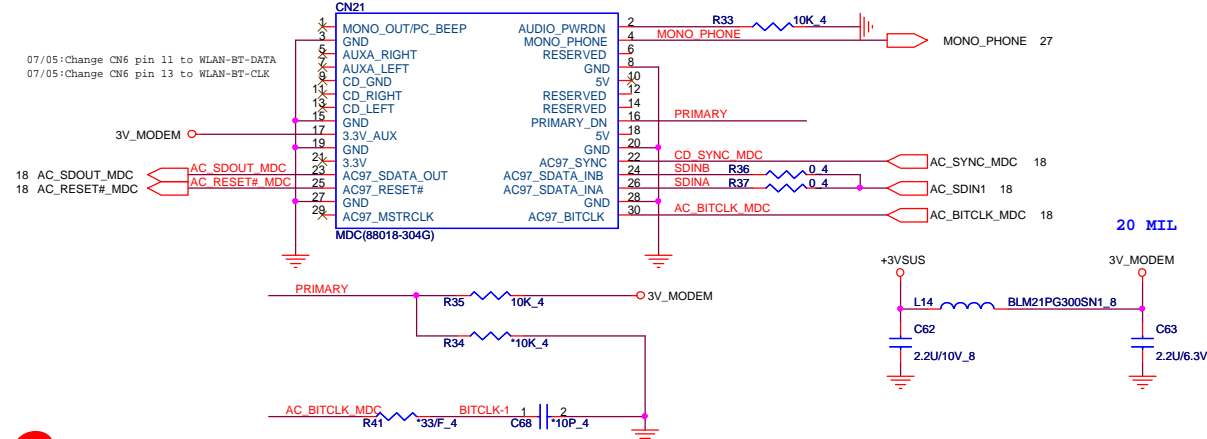


MIC



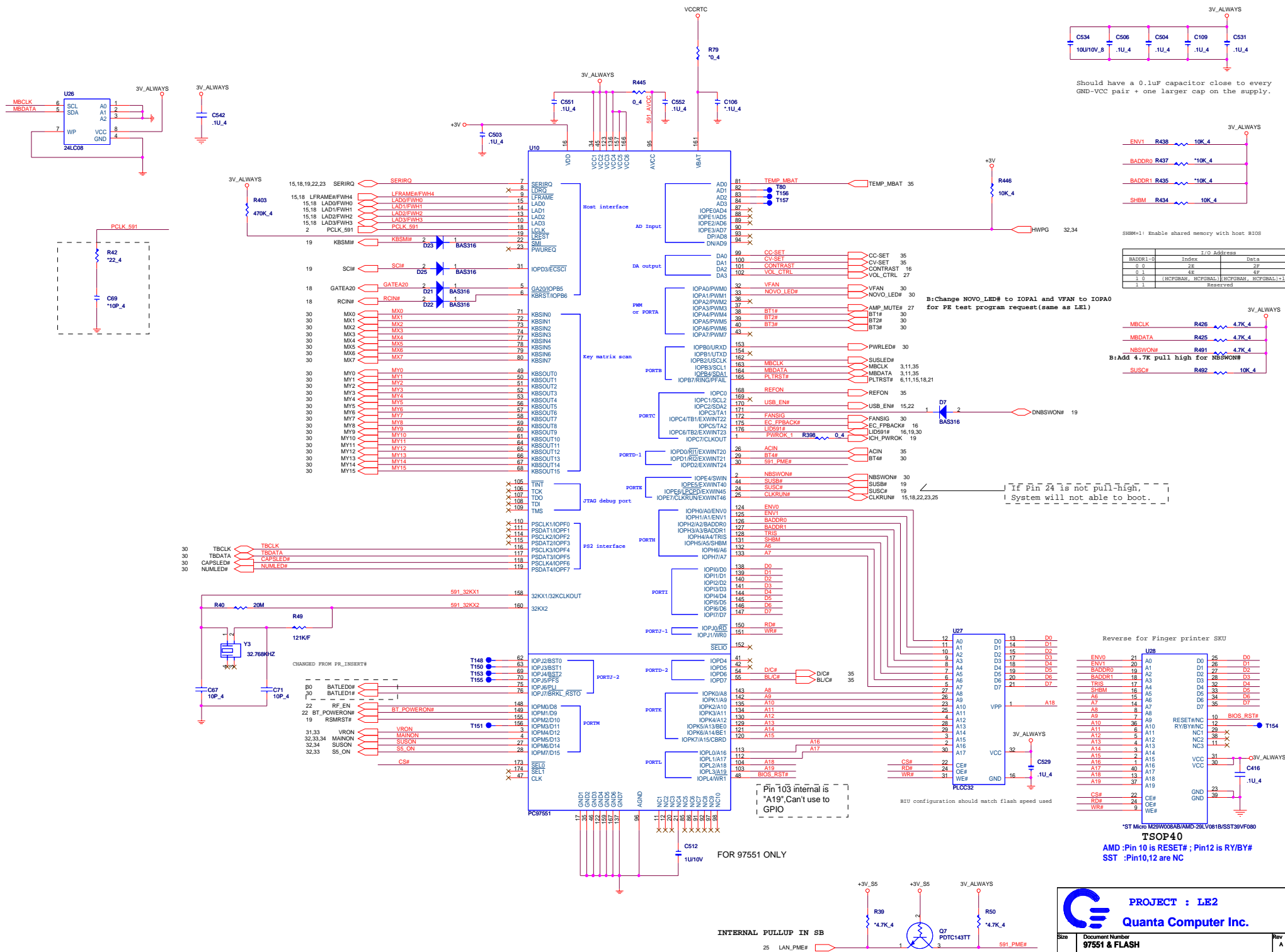
MDC

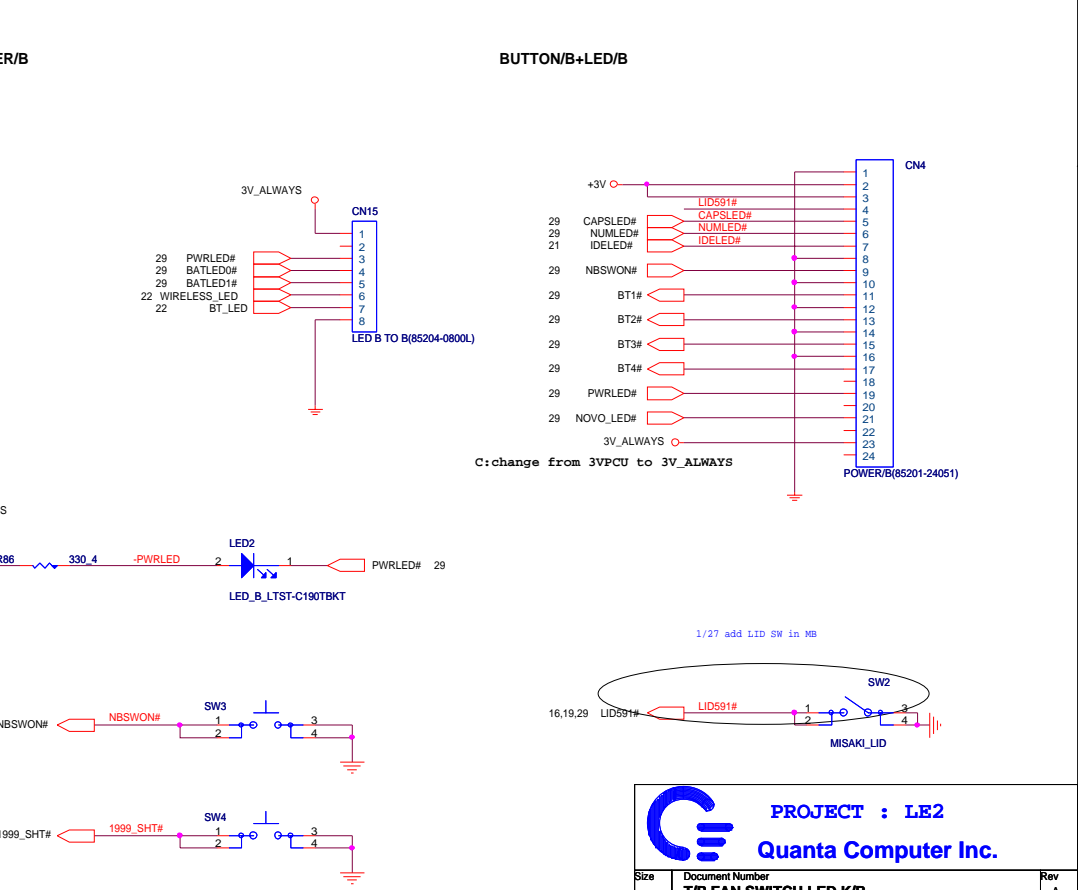
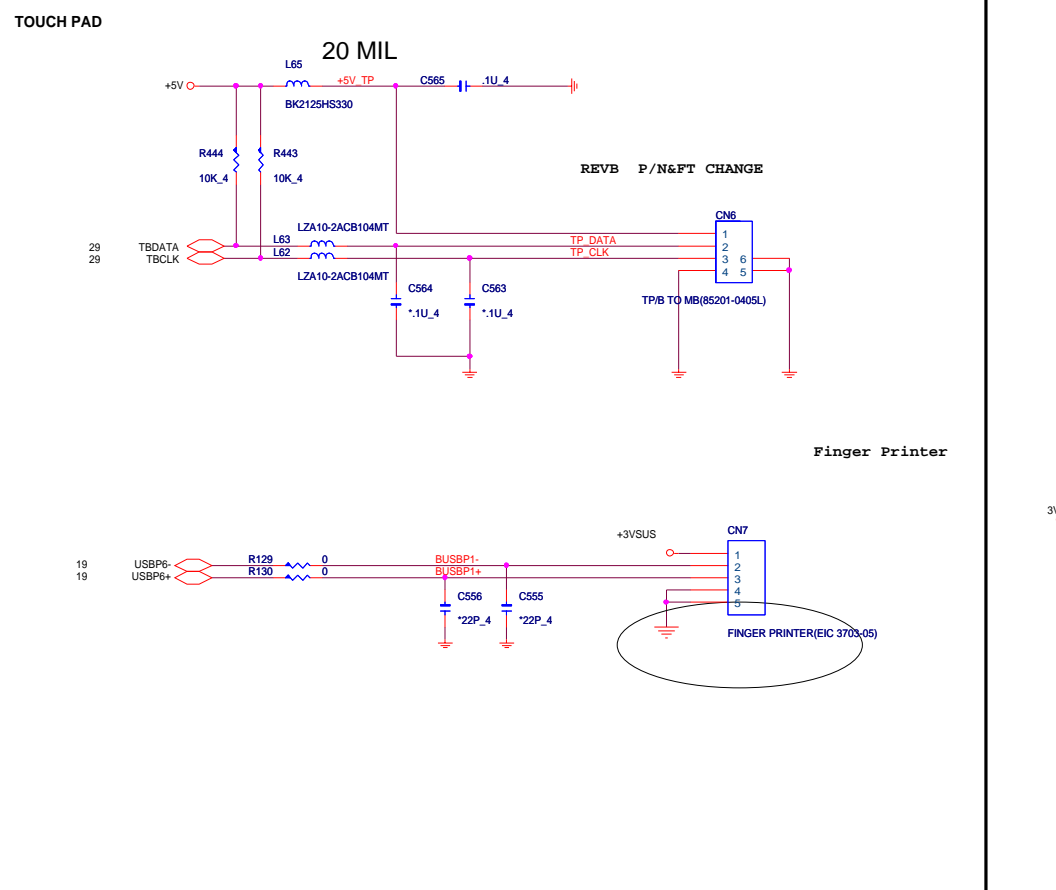
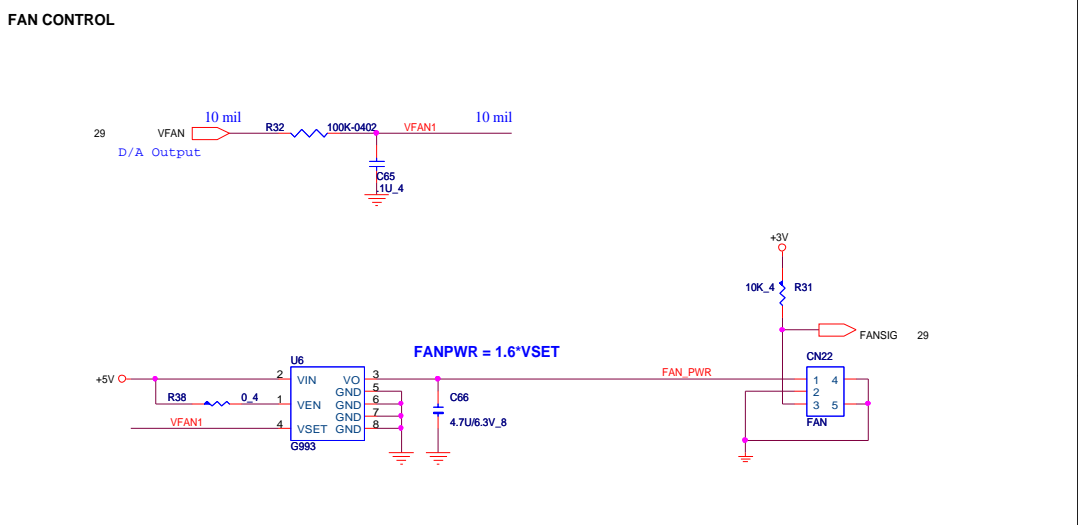
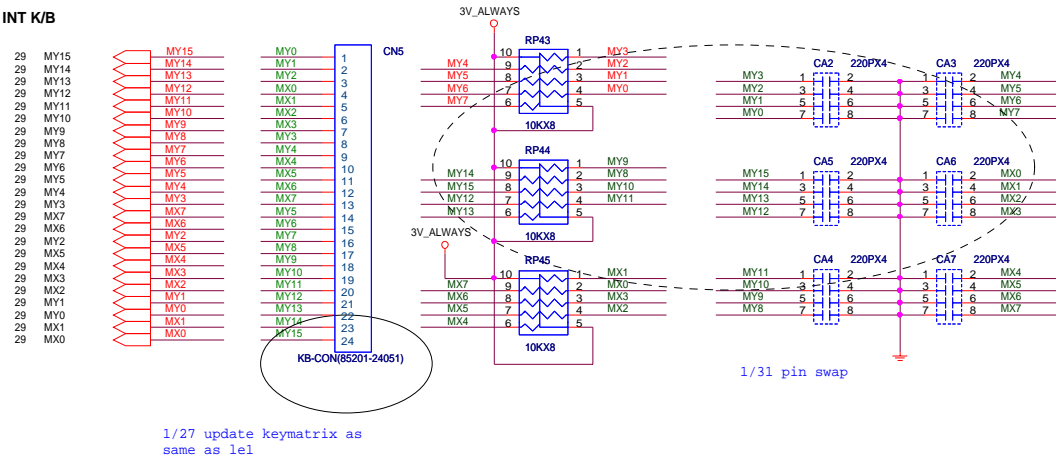
FOR MDC module

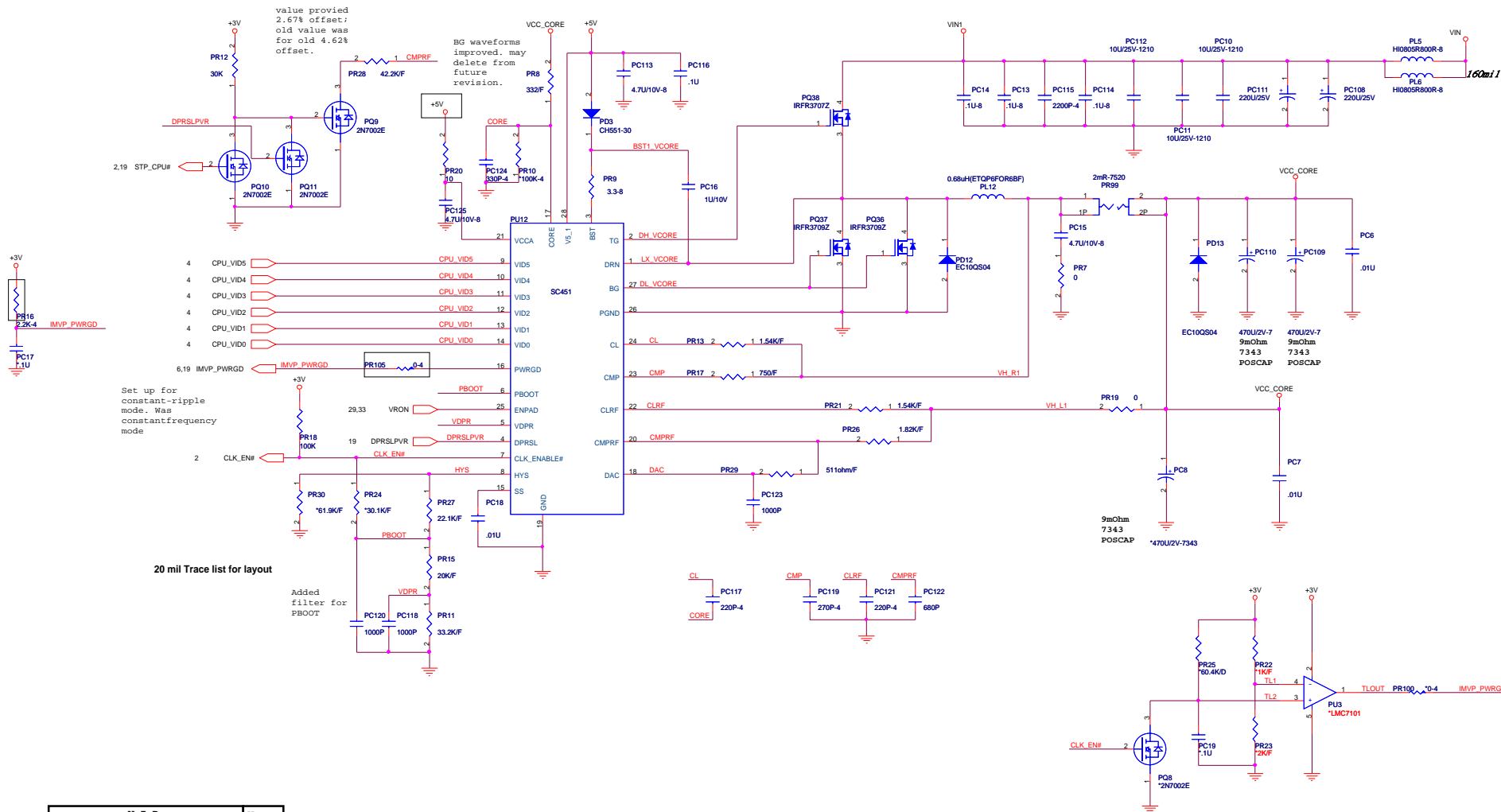


PROJECT : LN1
Quanta Computer Inc.

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	AUDIO AMP,MDC,PWR & BEEP	1A
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V I D							Vcore
VID 5	VID 4	VID 3	VID 2	VID 1	VID 0	V	
0	1	0	1	1	1	1.340	
0	1	1	0	0	0	1.324	
0	1	1	0	1	0	1.292	
0	1	1	1	0	0	1.260	
0	1	1	1	0	1	1.244	
0	1	1	1	1	1	1.212	
1	0	0	0	0	1	1.180	
1	0	0	0	0	1	1.148	
1	0	0	1	1	0	1.100	
1	0	1	0	0	1	1.052	
1	0	1	0	1	1	1.020	
1	0	1	1	1	0	0.972	
1	1	0	0	0	0	0.940	

AO4916 Rds on = 27mOhm
 ILOAD * Rds on * 10 = ILIM
 ILIM5 = 1.485V Current limit 5.5A
 ILIM3 = 1.35V Current limit 5A

