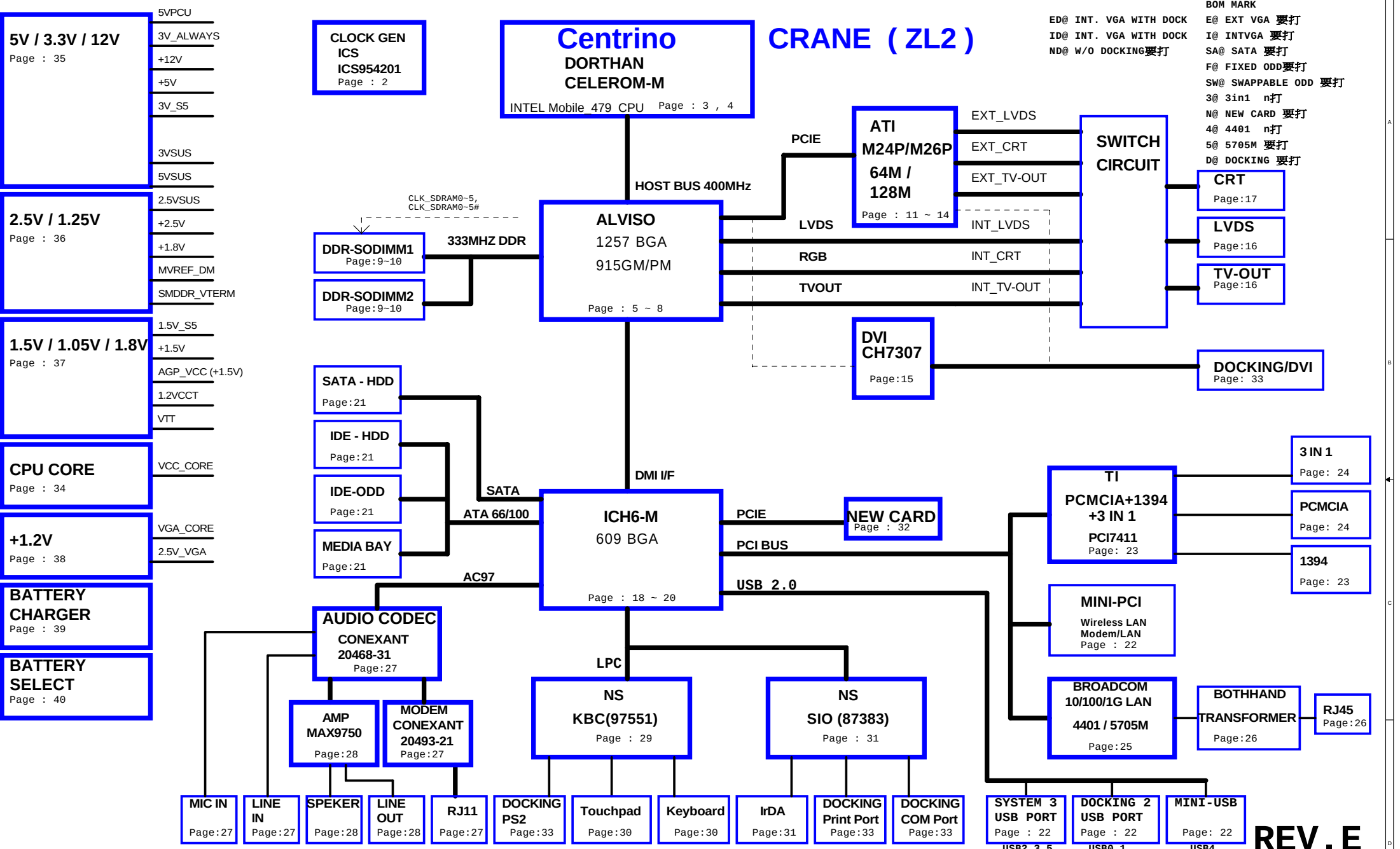




PM : 紀明進 Sunyu Jih
EE Laerer : 劉鳴豹 Selmon Liu
ME Leader : 林哲敏 Mill Lin

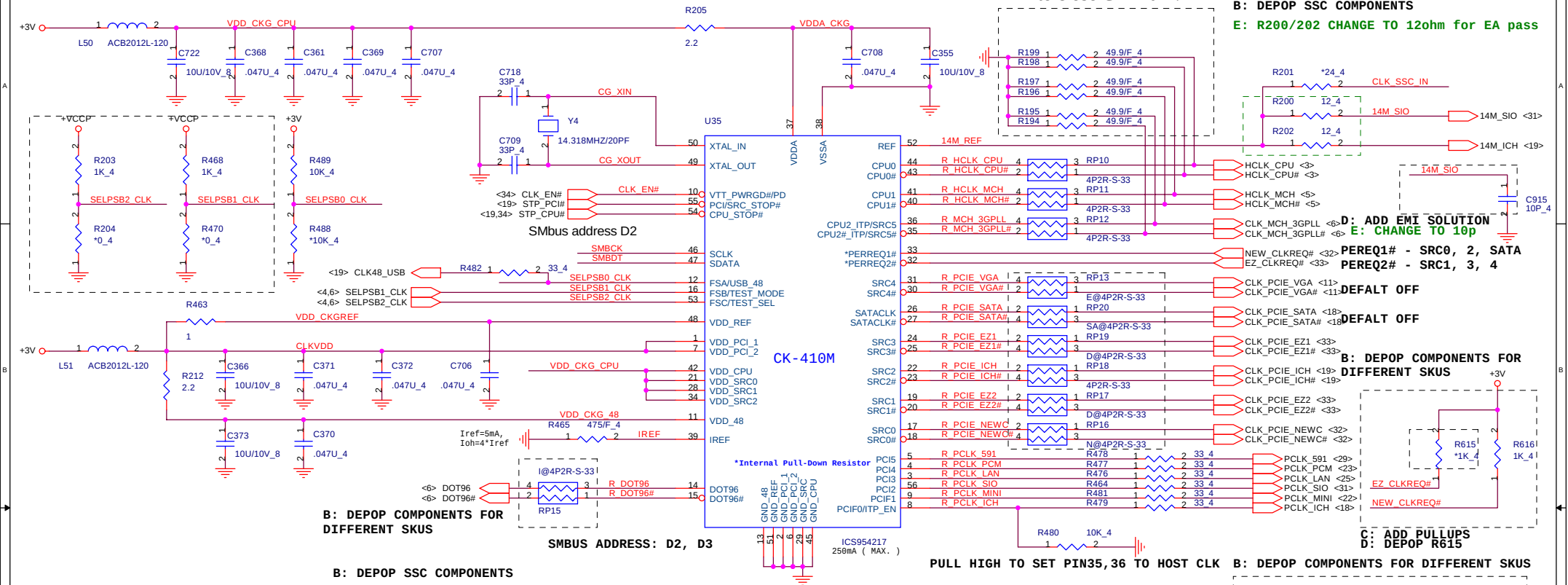
PCI ROUTING TABLE	IDSEL	INTERUPT	DEVICE
REQ0# / GNT0#	AD24	INTA#	BROADCOM LAN
REQ2# / GNT2#	AD19	INTB# , INTD#	MINI-PCI
REQ1# / GNT1#	AD17	INTC#, INTD#, INTA#	TI 7411

REV B: POP R203 R468 AND DEPOP R204, R470 FOR DOTHAN B

Place these termination to close CK410M.

B: DEPOP SSC COMPONENTS

E: R200/202 CHANGE TO 120ohm for EA pass

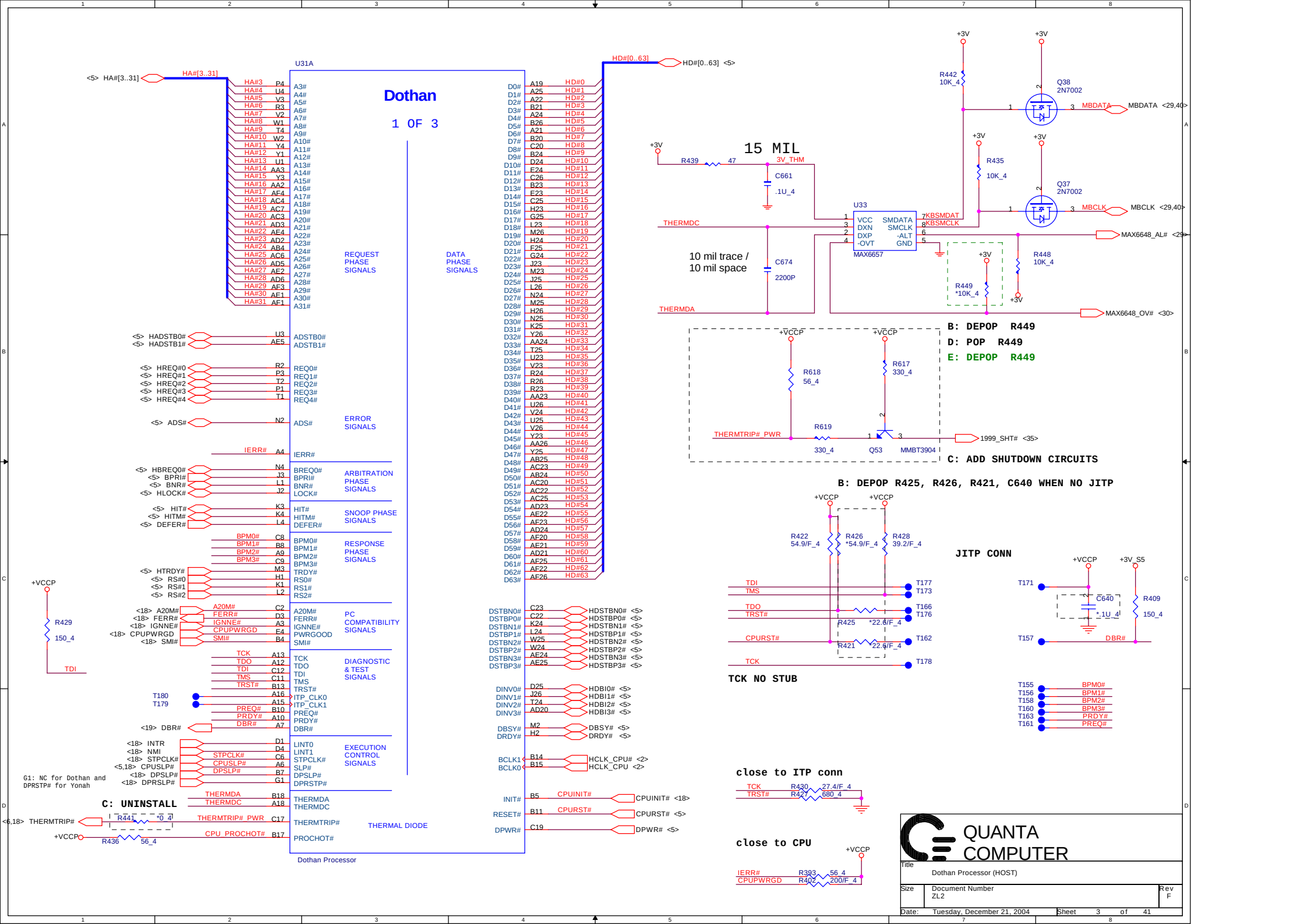


FSC	FSB	FSA	CPU	SRC	PCI
1	0	1	100	100	33
0	0	1	133	100	33
0	1	1	166	100	33
0	1	0	200	100	33
0	0	0	266	100	33
1	0	0	333	100	33
1	1	0	400	100	33
1	1	1	RSVD	100	33

Place these termination to close CK410M.

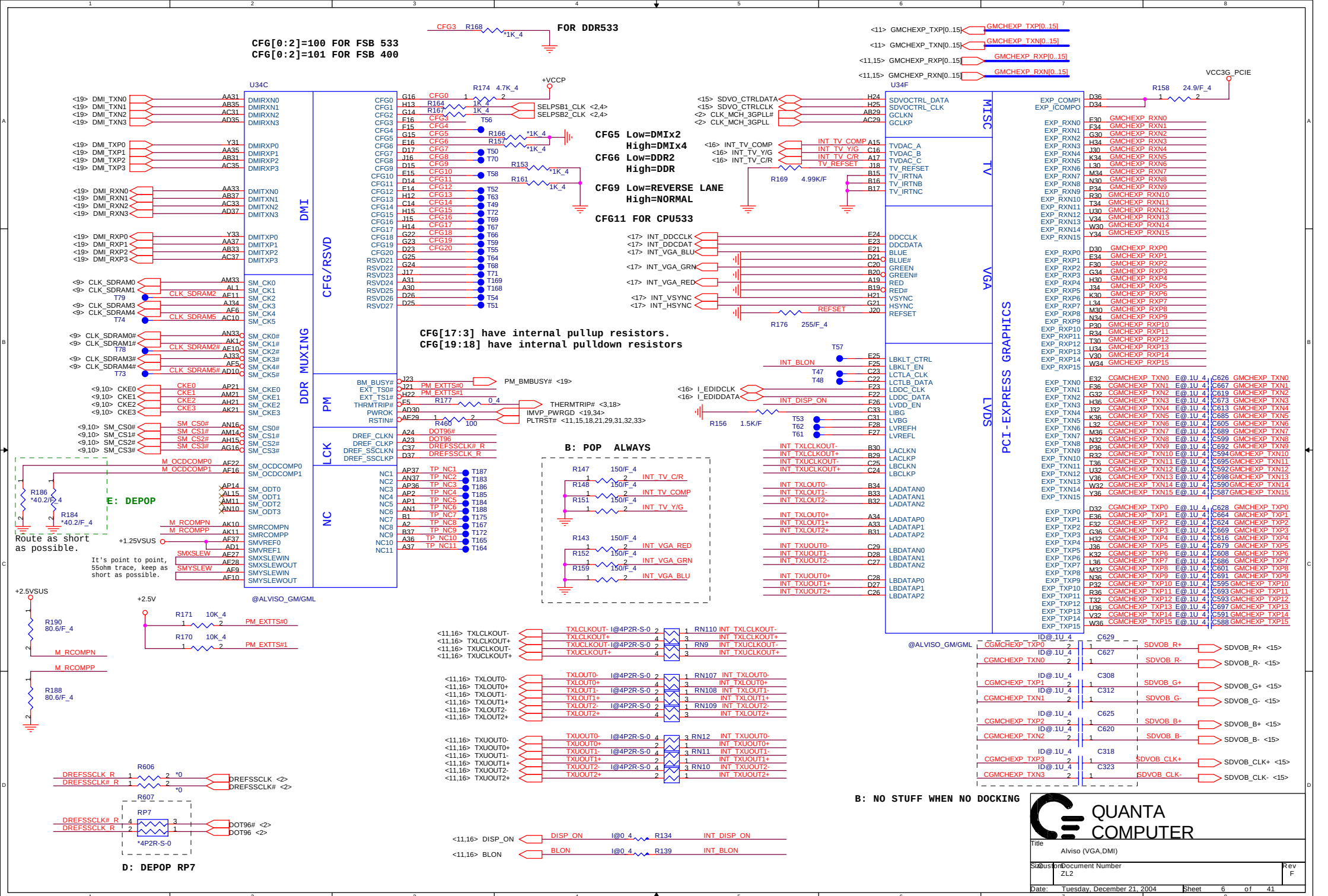
QUANTA COMPUTER

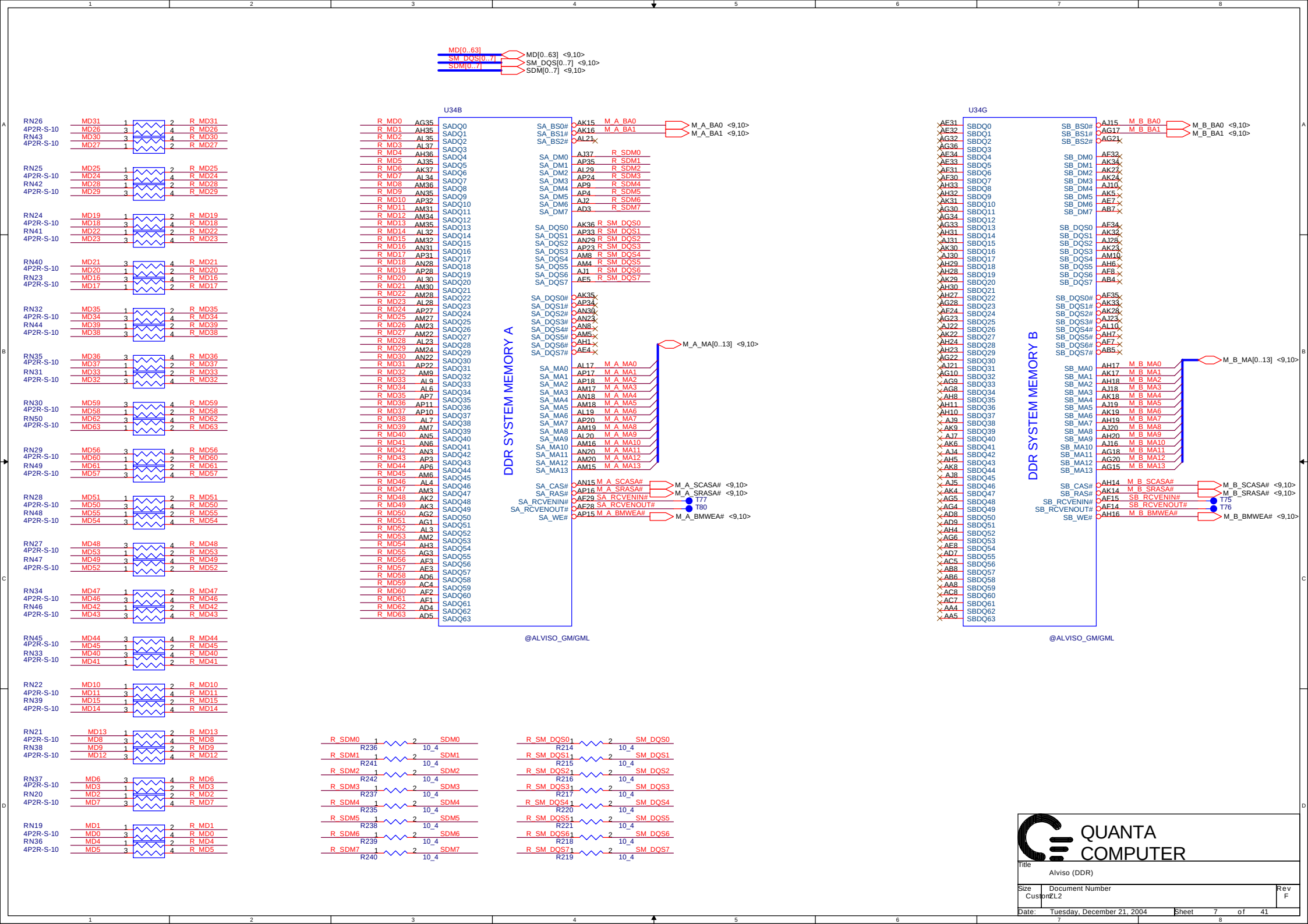
CLOCK GENERATOR

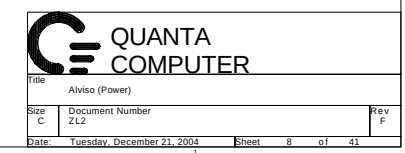


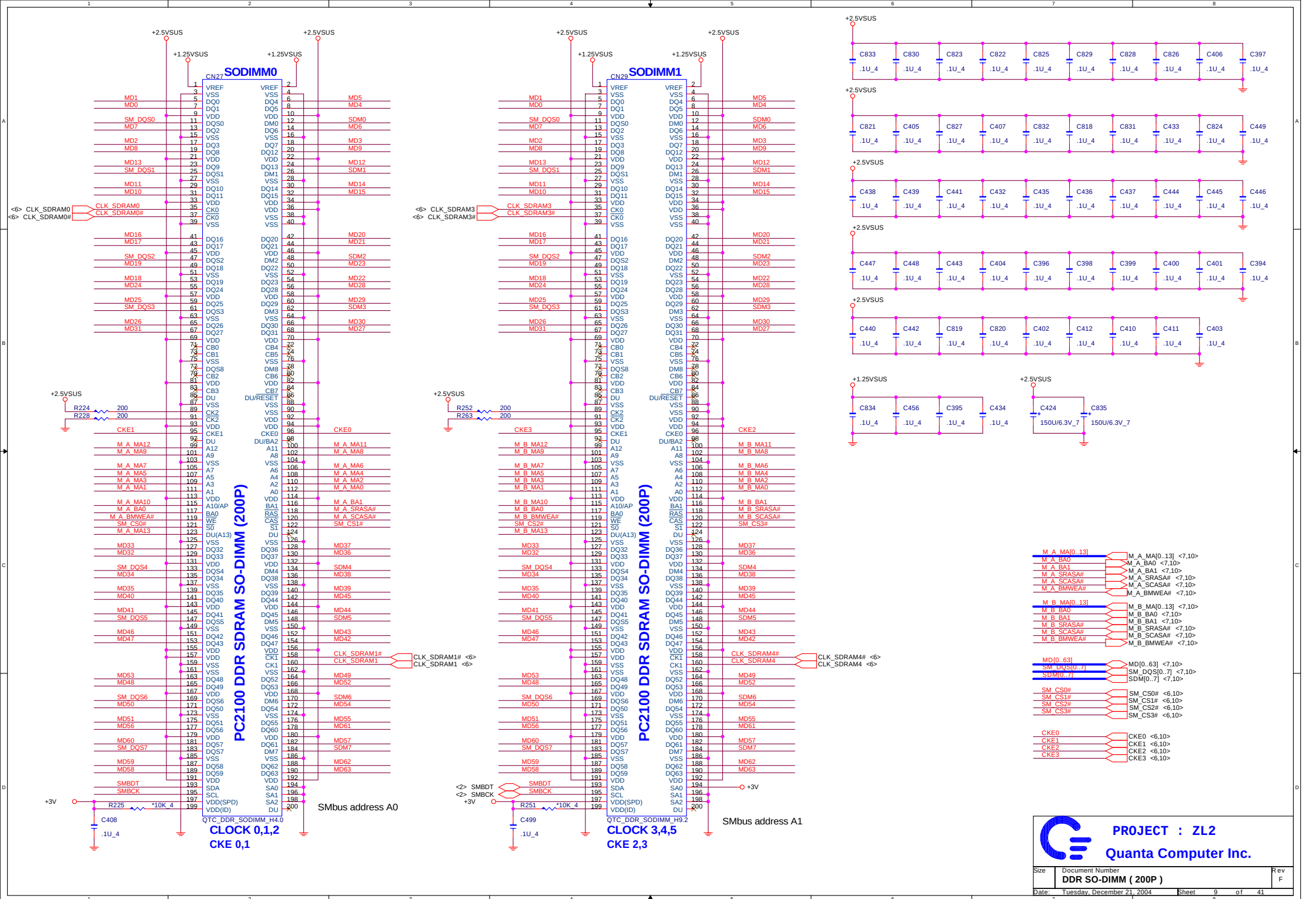


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AL22	VSS138	V37
AM22	VSS139	T37
J22	VSS140	P37
E22	VSS141	M37
D22	VSS142	K37
A22	VSS143	H37
AN21	VSS144	E37
AF21	VSS145	AN36
F21	VSS146	AL36
C21	VSS147	AJ36
AK20	VSS148	AE36
V20	VSS149	AC36
G20	VSS150	AD36
E20	VSS151	AB36
D20	VSS152	AA36
A20	VSS153	C36
AN19	VSS154	AE35
AG19	VSS155	Y35
W19	VSS156	W35
T19	VSS157	U35
J19	VSS158	V35
H19	VSS159	T35
VS24	VSS160	R35
C19	VSS161	PD35
AL18	VSS162	N35
U18	VSS163	M35
B18	VSS164	V35
A18	VSS165	K35
AN17	VSS166	J35
AJ17	VSS167	H35
VS16	VSS168	G35
G17	VSS169	F35
C17	VSS170	D35
K16	VSS171	C35
D16	VSS172	AN34
D16	VSS173	AH34
A16	VSS174	AD34
VSS175	VSS175	AC34
K15	VSS176	AB34
C15	VSS177	AA34
AN14	VSS178	CS4
AL14	VSS179	AL33
AJ14	VSS180	AE33
AG14	VSS181	AD33
K14	VSS182	W33
B14	VSS183	V33
A14	VSS184	U33
VSS185	VSS185	T33
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B12	VSS187	N33
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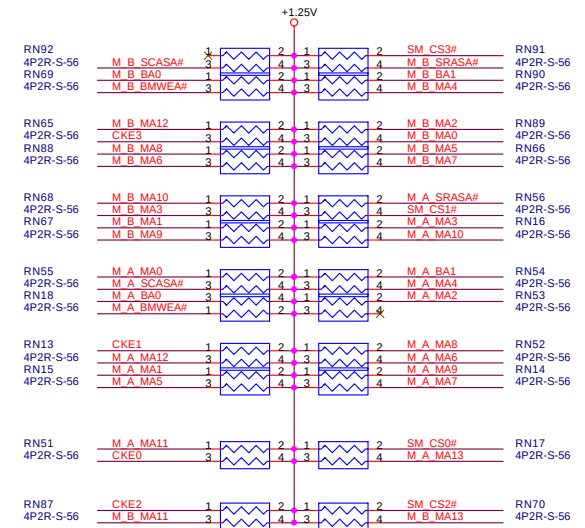
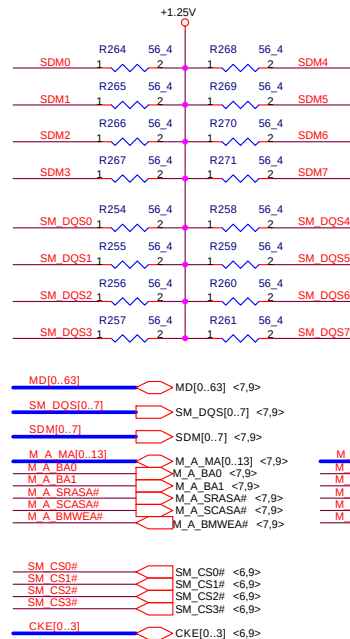
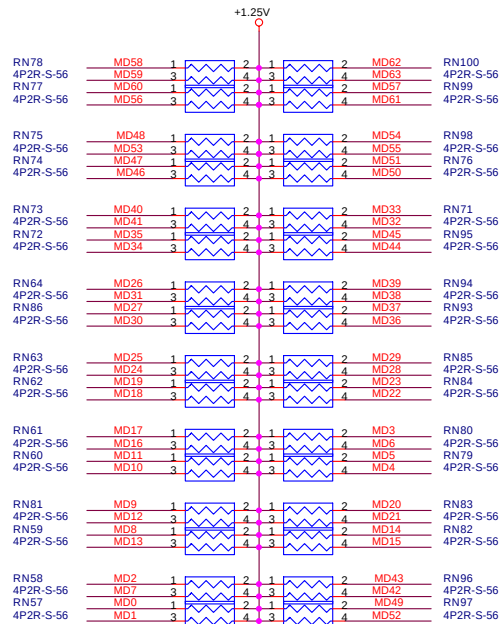
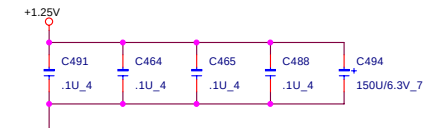
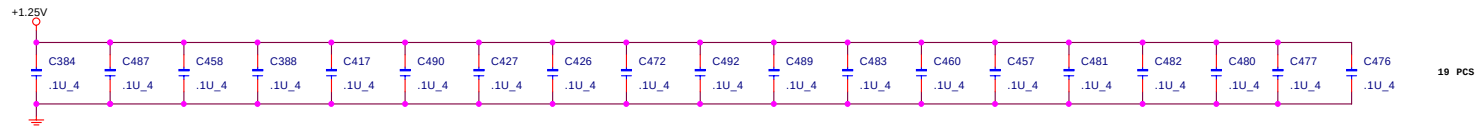
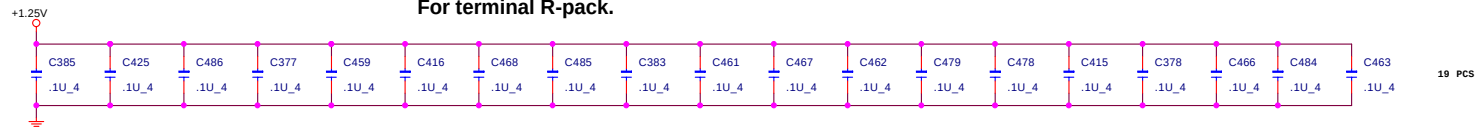


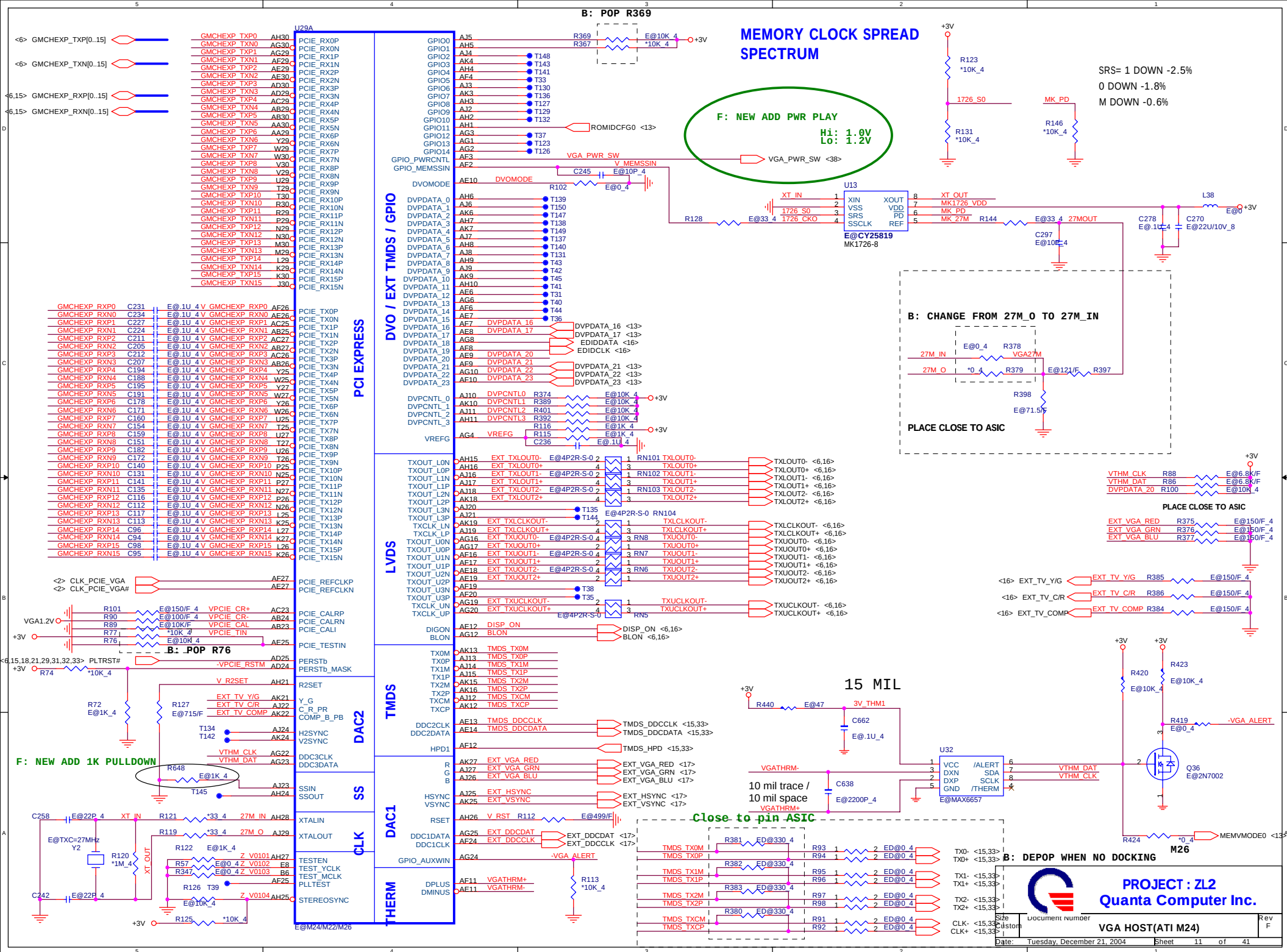




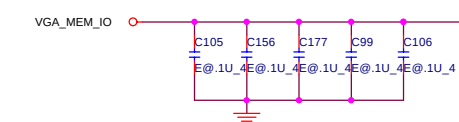
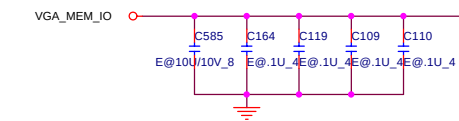


For terminal R-pack.

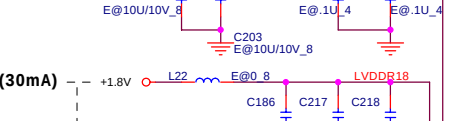




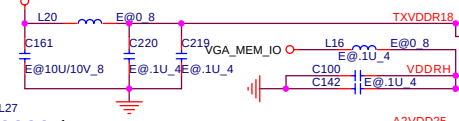
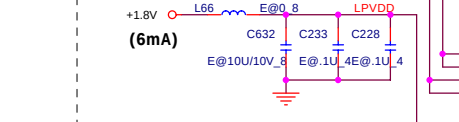
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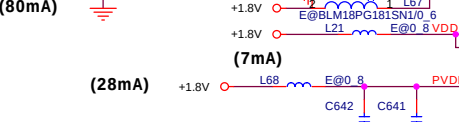
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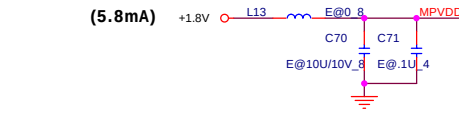
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(80mA)



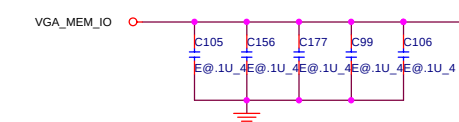
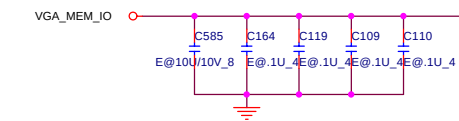
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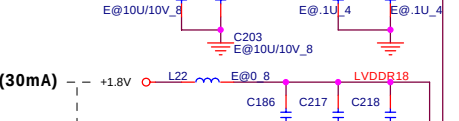
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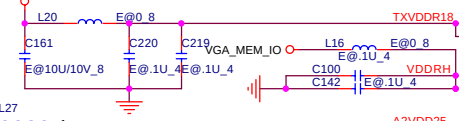
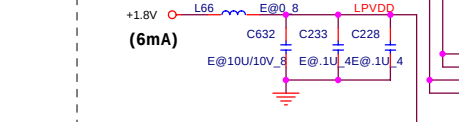
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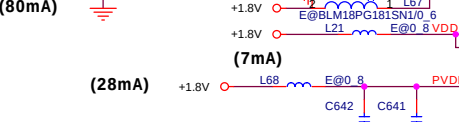
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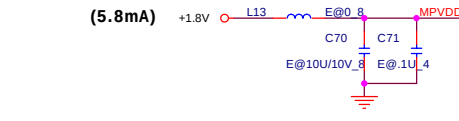
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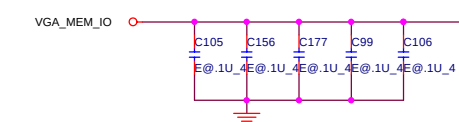
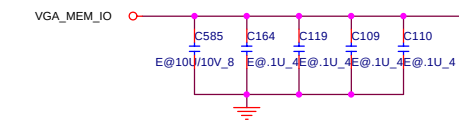
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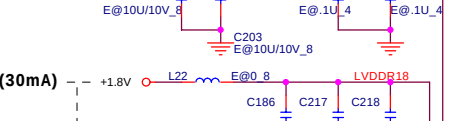
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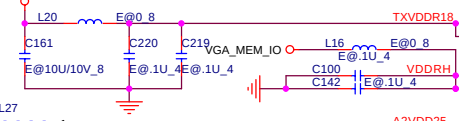
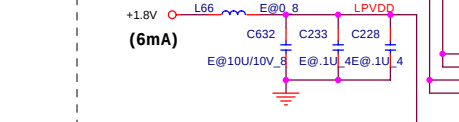
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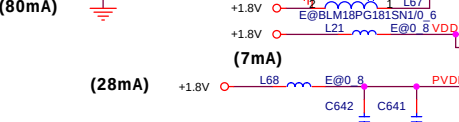
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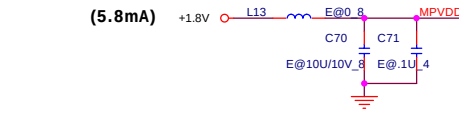
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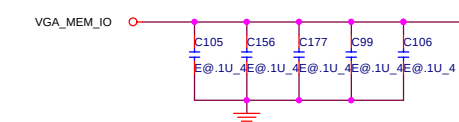
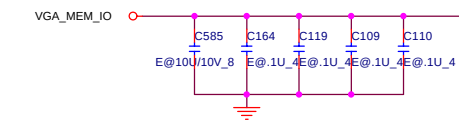
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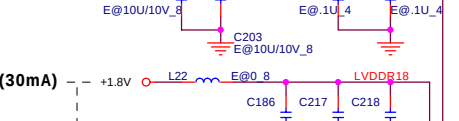
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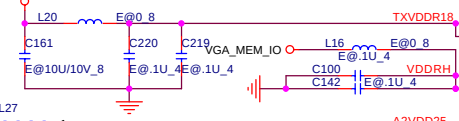
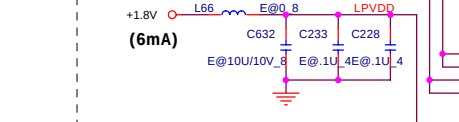
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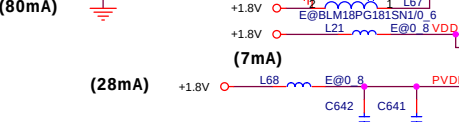
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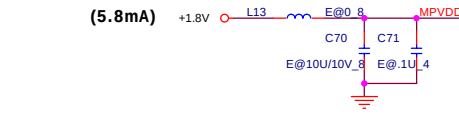
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(80mA)



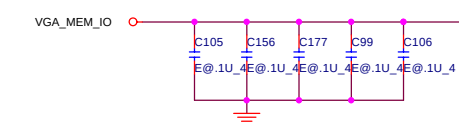
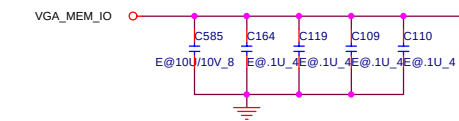
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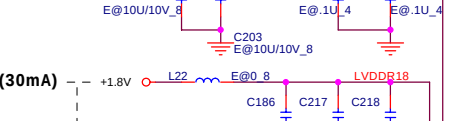
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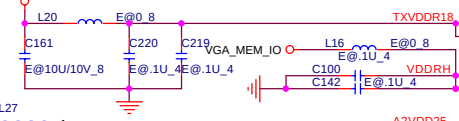
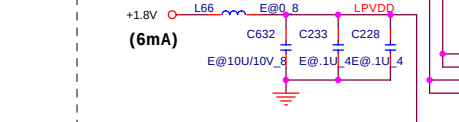
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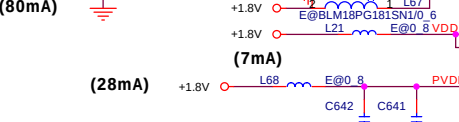
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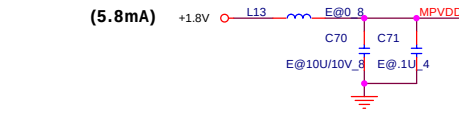
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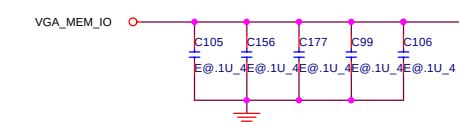
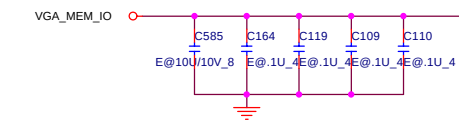
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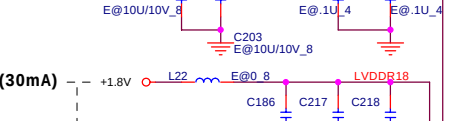
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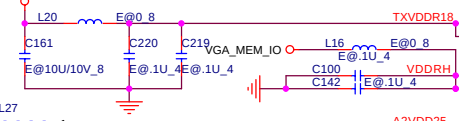
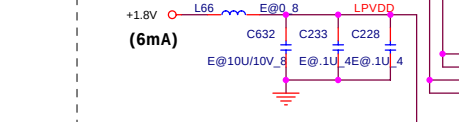
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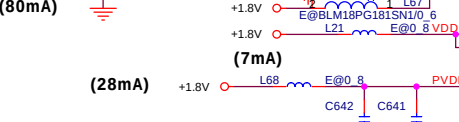
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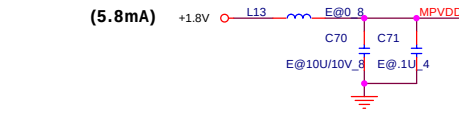
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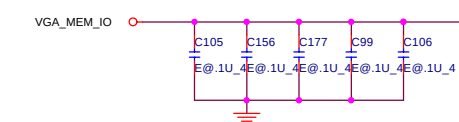
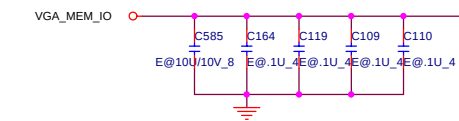
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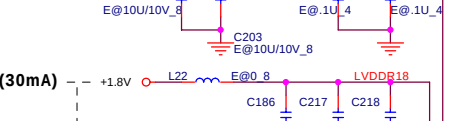
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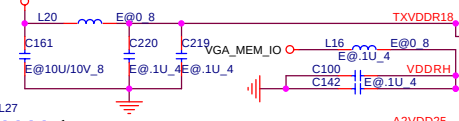
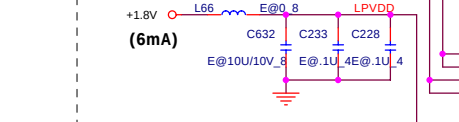
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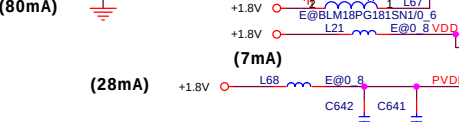
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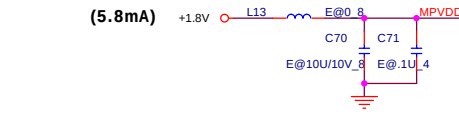
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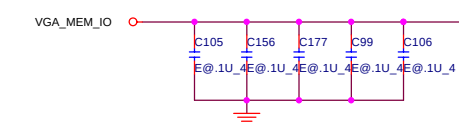
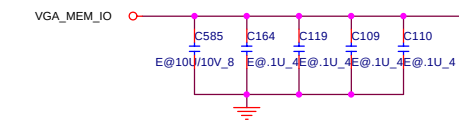
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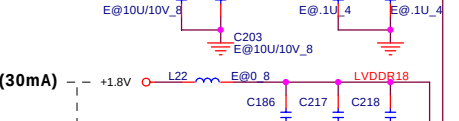
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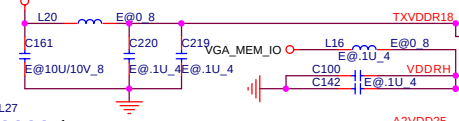
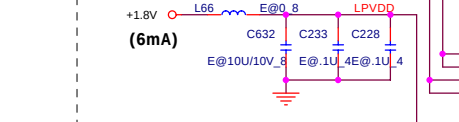
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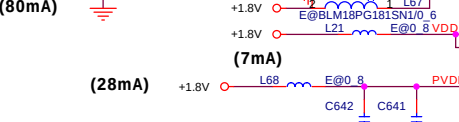
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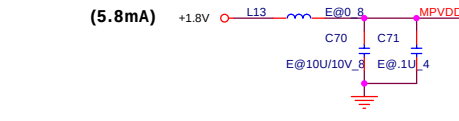
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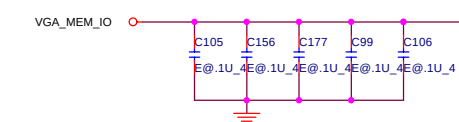
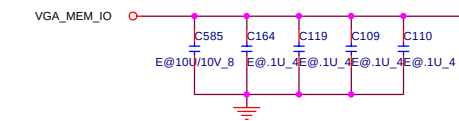
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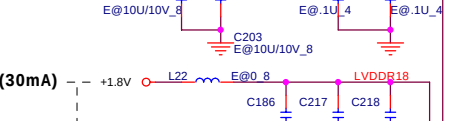
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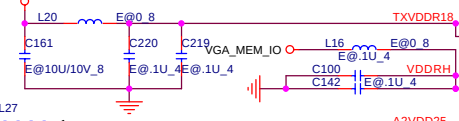
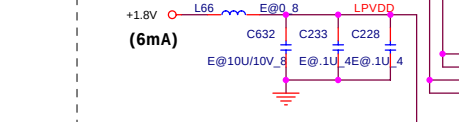
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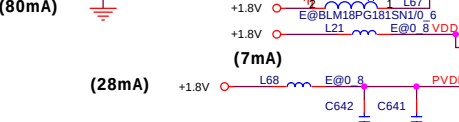
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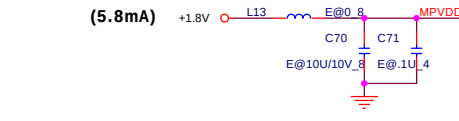
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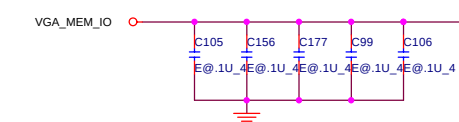
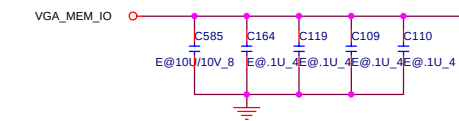
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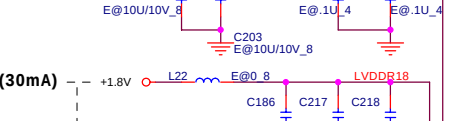
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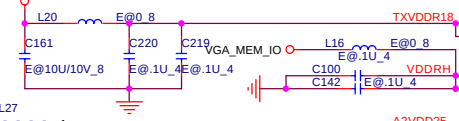
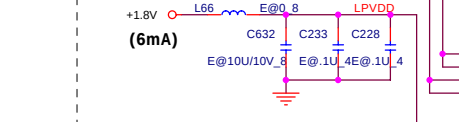
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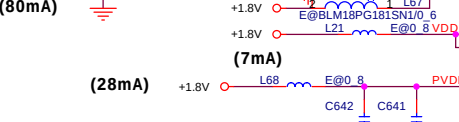
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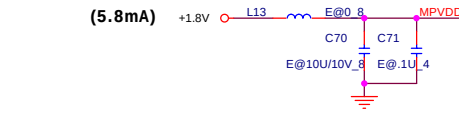
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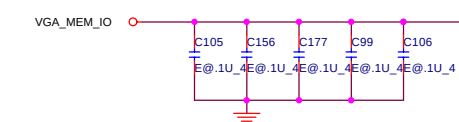
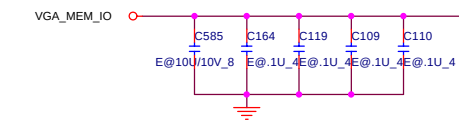
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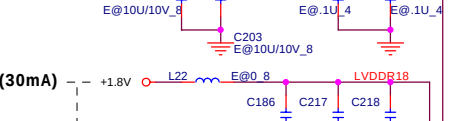
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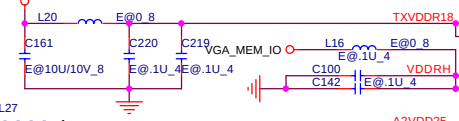
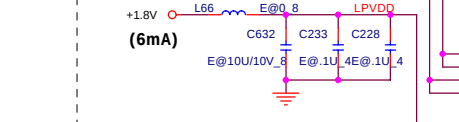
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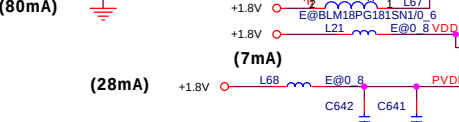
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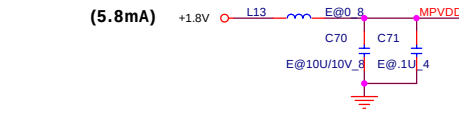
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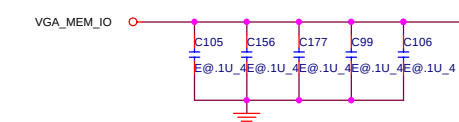
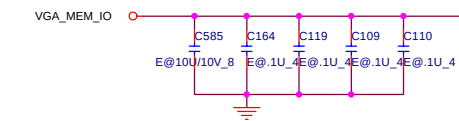
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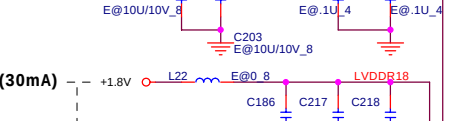
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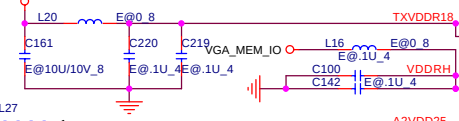
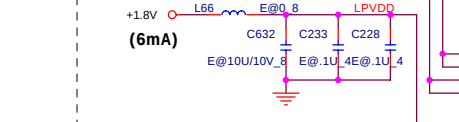
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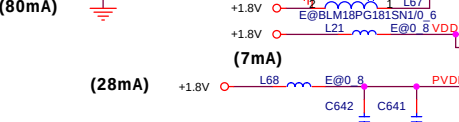
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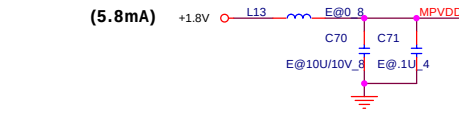
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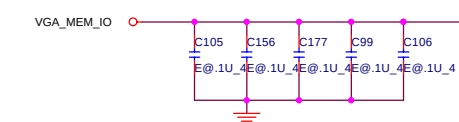
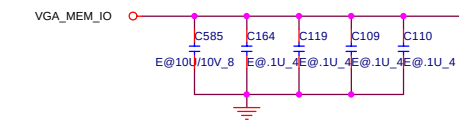
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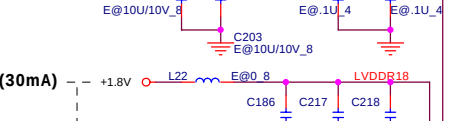
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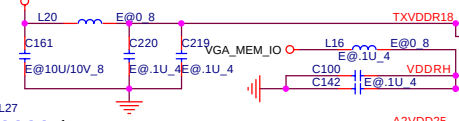
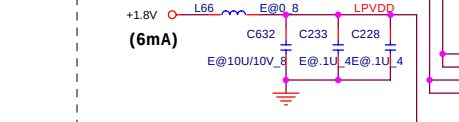
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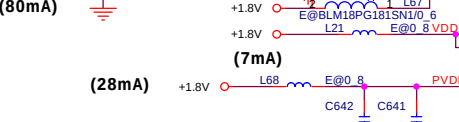
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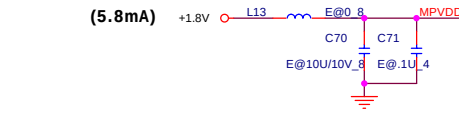
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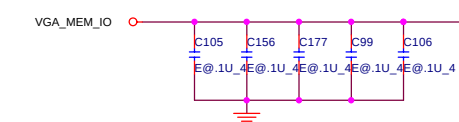
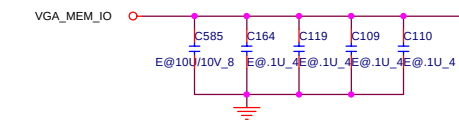
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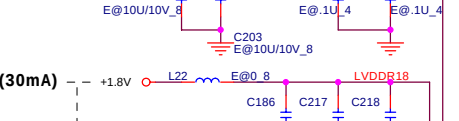
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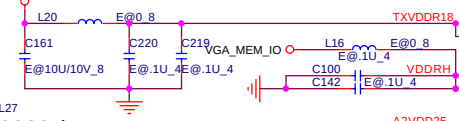
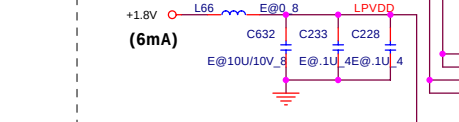
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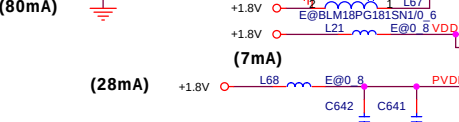
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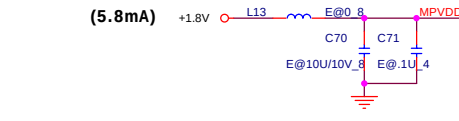
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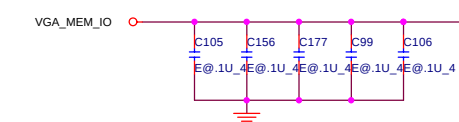
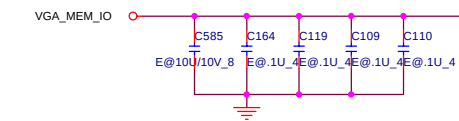
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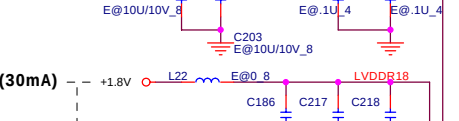
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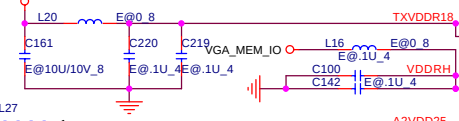
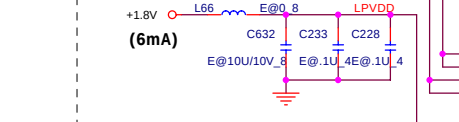
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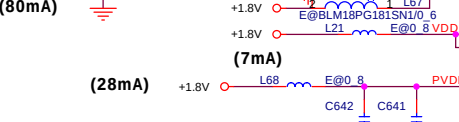
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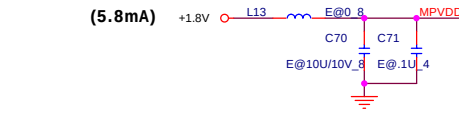
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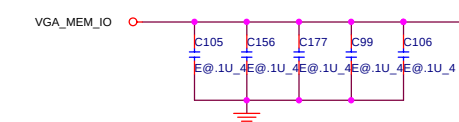
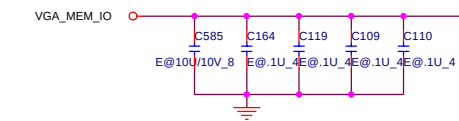
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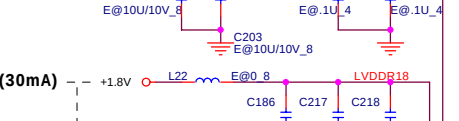
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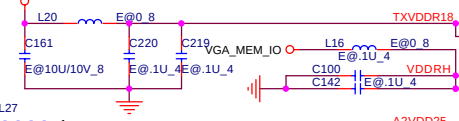
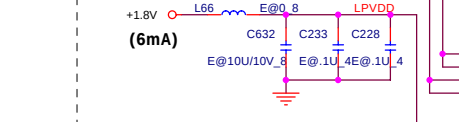
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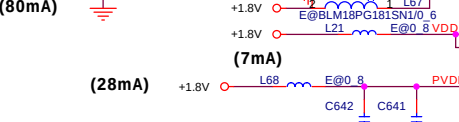
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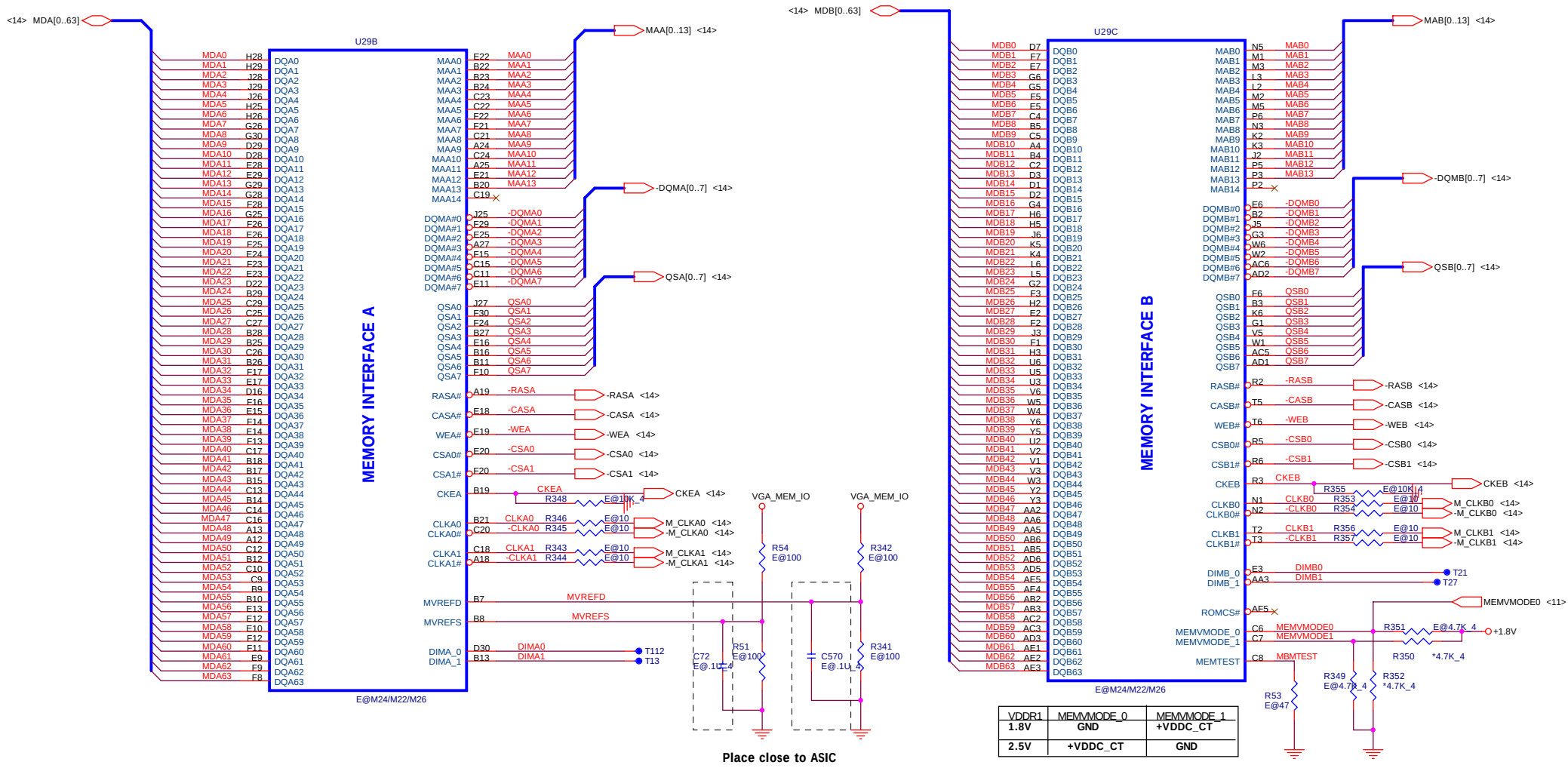
(30mA)



(80mA)



(28mA)



STRAPS PIN

GPIO_0	PCI-Express Current Calibration Bandgap Backup 0: use reference voltage from Bandgap 1: use reference voltage from resistor divider
GPIO_1	PCI-Express PLL Calibration force enable 0: Disable PLL force calibration 1: Enable PLL force calibration
GPIO_(3,2)	00: PCI Express 1.0 mode 01: RESERVED 10: PCI Express 1.0 mode 11: RESERVED
GPIO_4	Turn off PCI-Express impedance / strength calibration 0: enable 1: disable
GPIO_5	Bypass PCI-Express PLL

GPIO_6	PCI-Express transmitter current compensation 0: Normal 1: Inject extra current for output buffer switching
GPIO_8	Strap to set the debug muxes to bring out DEBUG signals even if registers are inaccessible
GPIO(9,13:11) INT P/D	ROMIDCFG 0x0x: No ROM, CHG_ID=0 0x1x: No Rom, CHG_ID=1 1000: Parallel ROM, Chip ID'S from ROM 1000: Parallel ROM, Chip ID'S from ROM
DVPDATA_21~23 MEM TYPE	DVPDATA_21: 0=4Mx32 1=8Mx32 DVPDATA_22: 0=128M 1=64M DVPDATA_23: 0=Hynix 1=Samsung

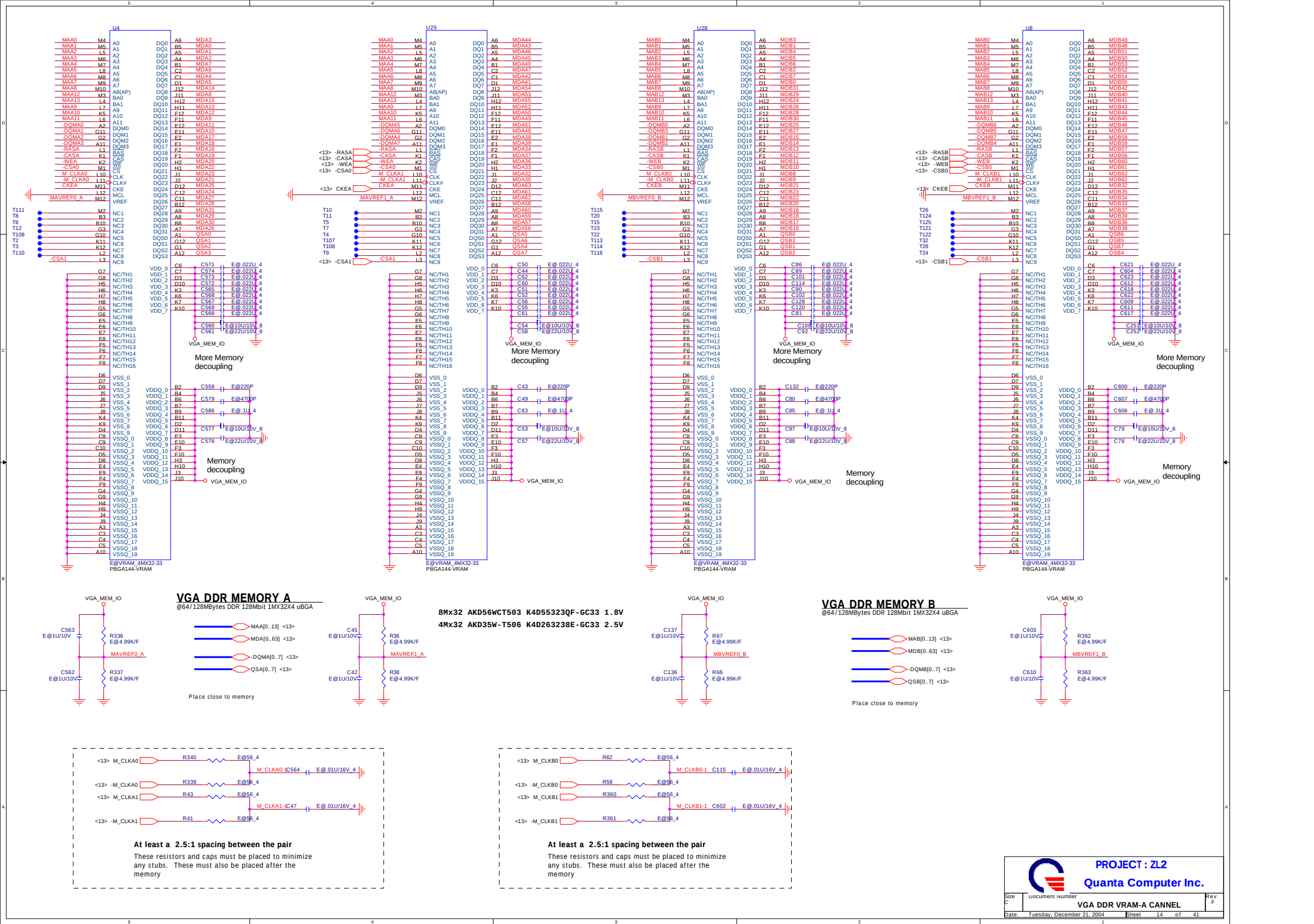
FOR M26P ONLY
0: 128M
1: 256M

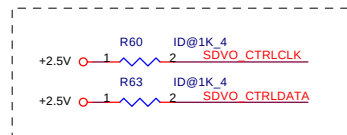
C: FOR HYNIX MEMORY

PROJECT :ZL2
Quanta Computer Inc.

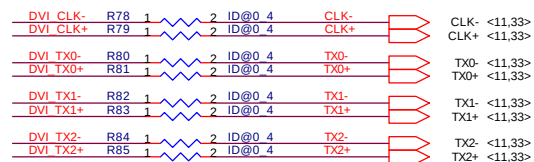
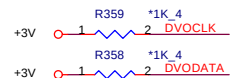
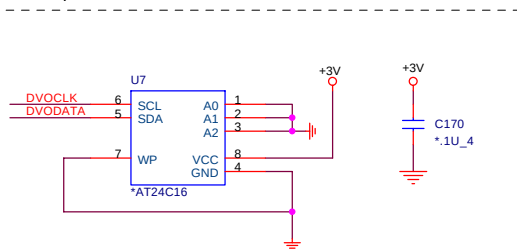
ATI M24 MEM/STRAPS PIN

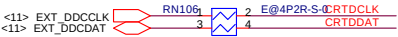
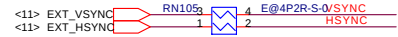
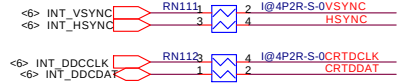
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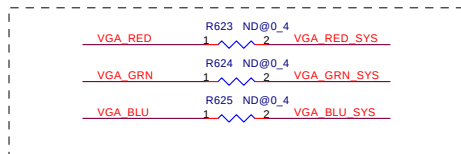
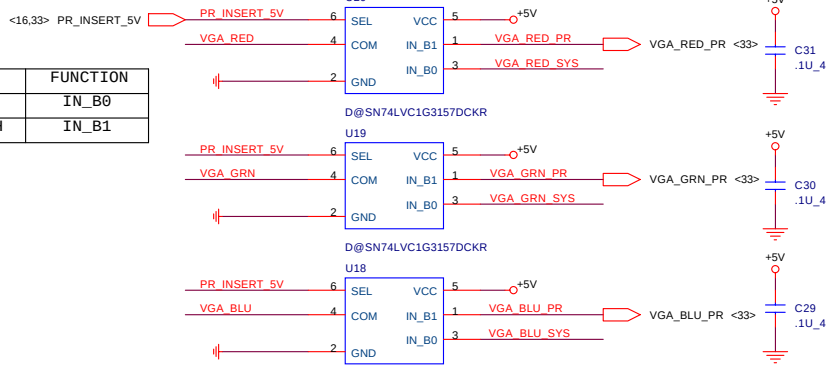


+2.5V	250mA
+3V	190mA

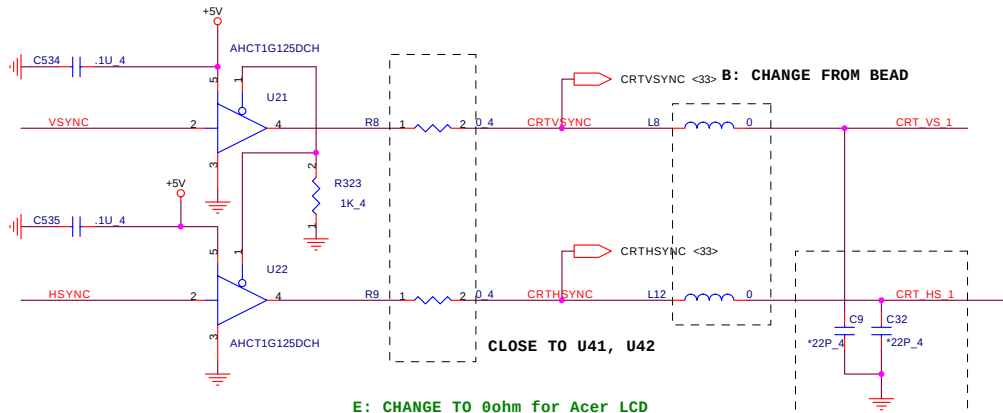
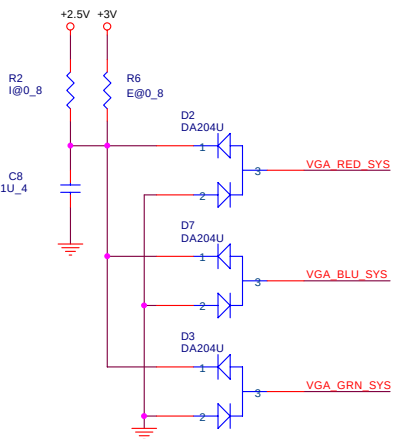
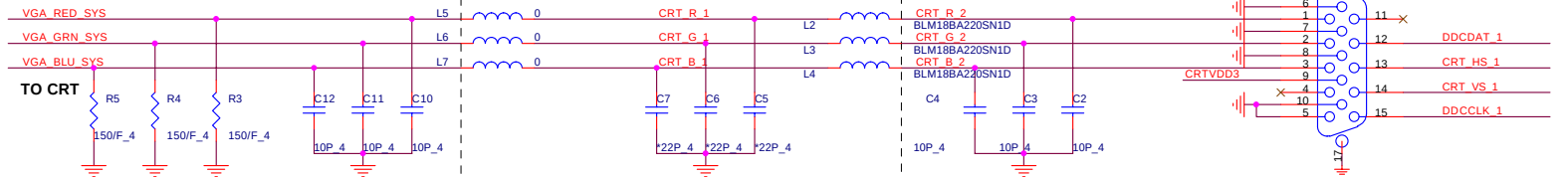




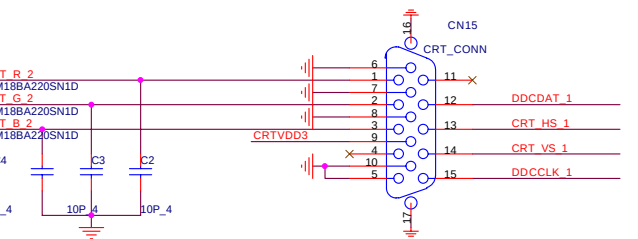
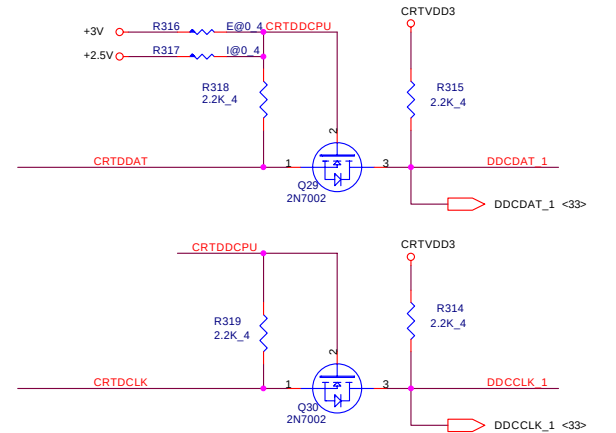
SEL	FUNCTION
LOW	IN_B0
HIGH	IN_B1



C: ADD CIRCUITS WHEN NO DOCKING

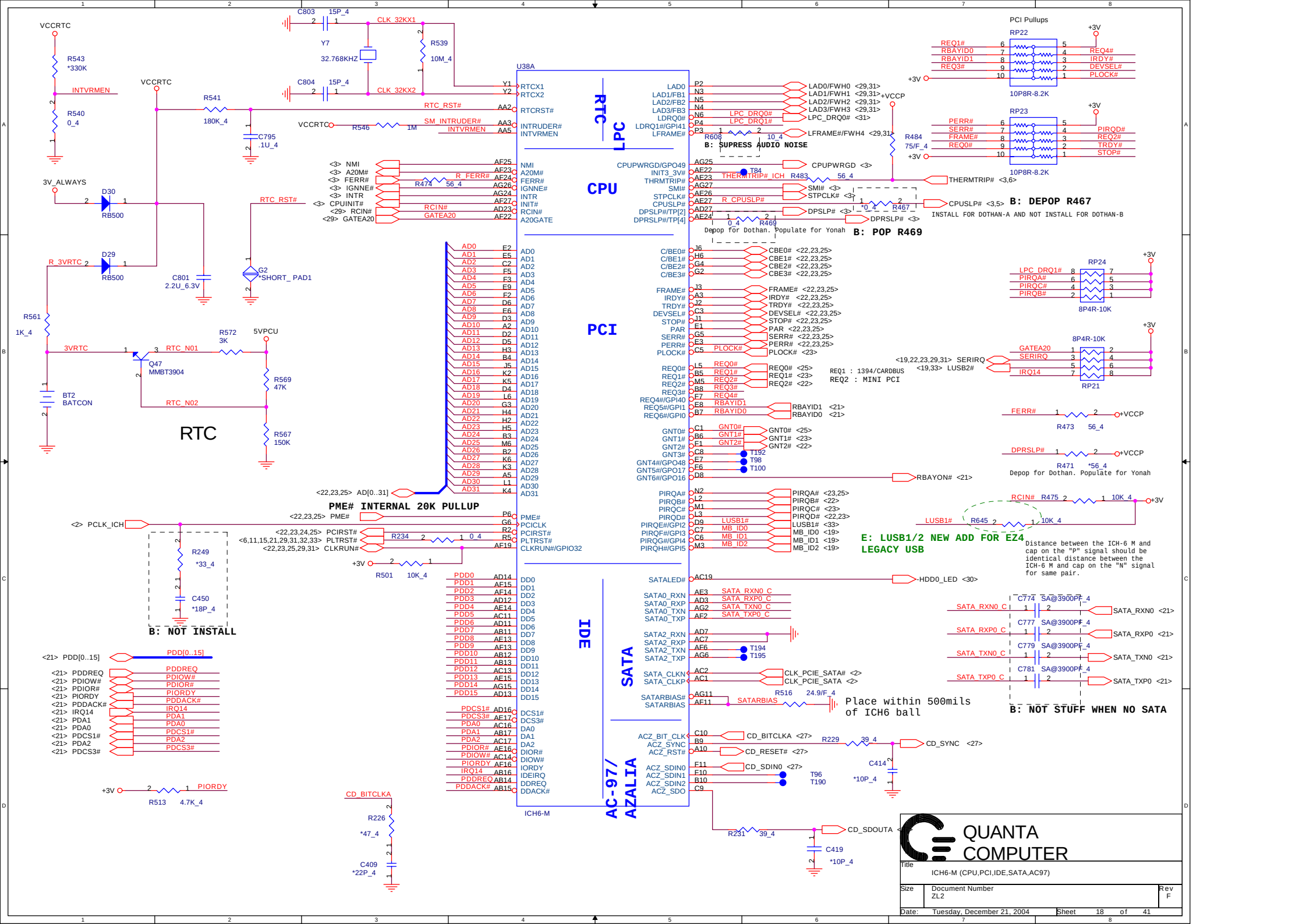


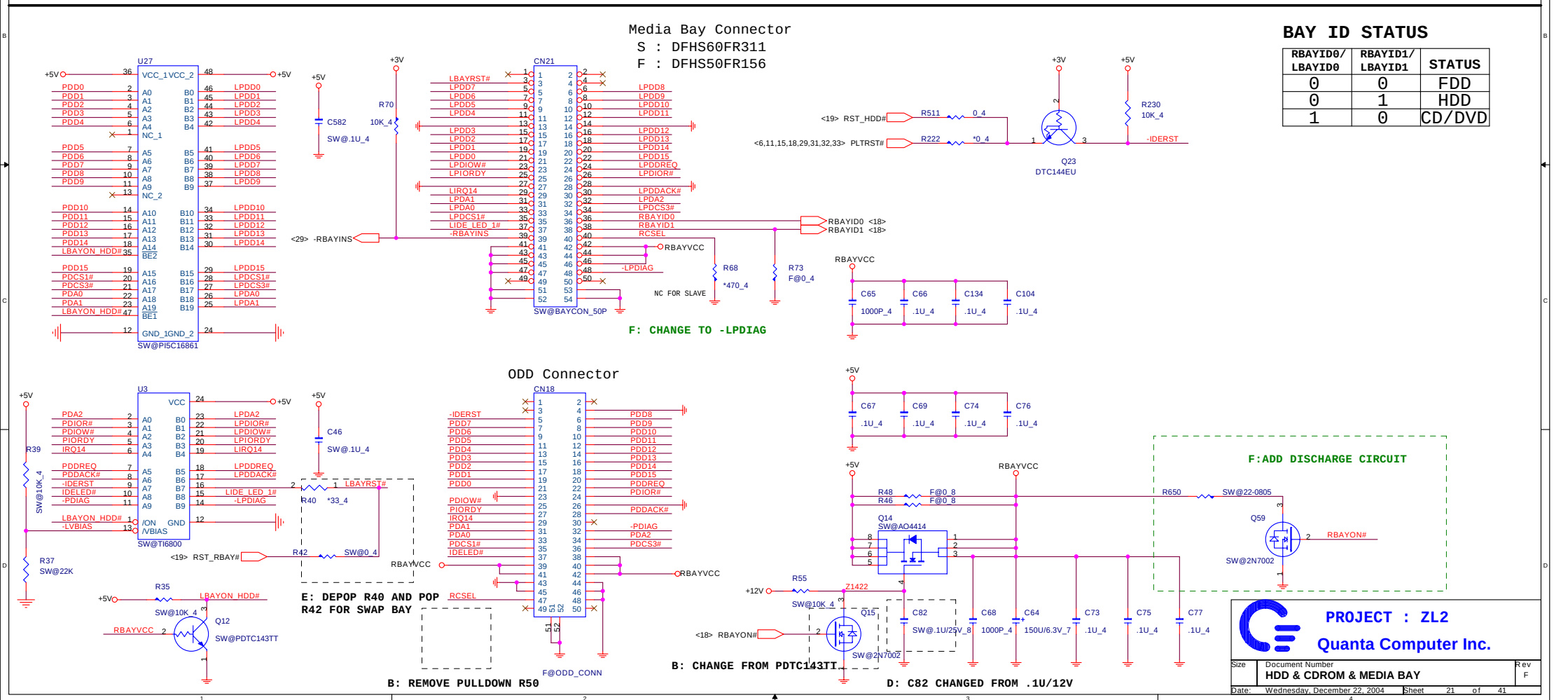
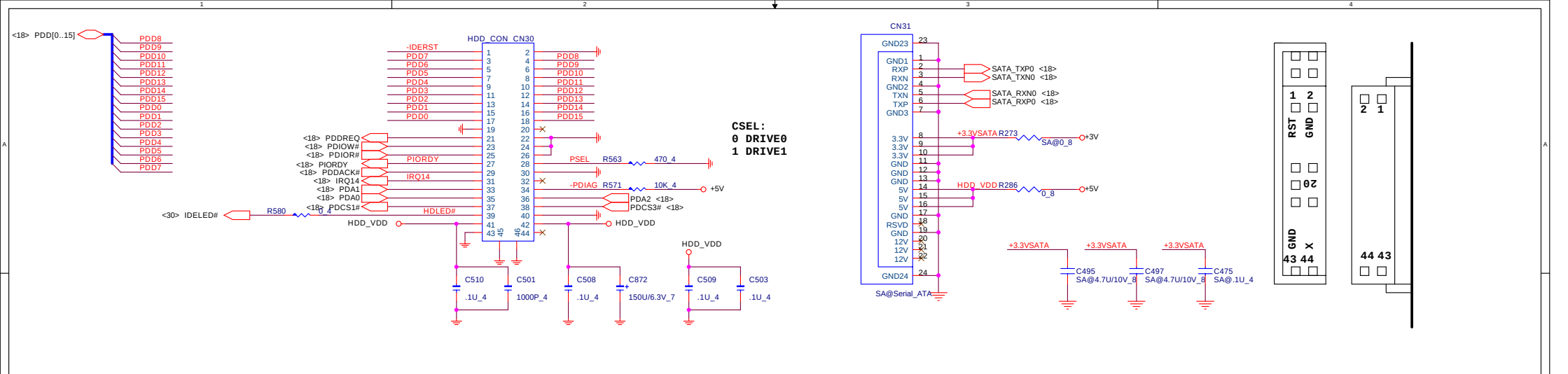
E: CHANGE TO 0ohm for Acer LCD



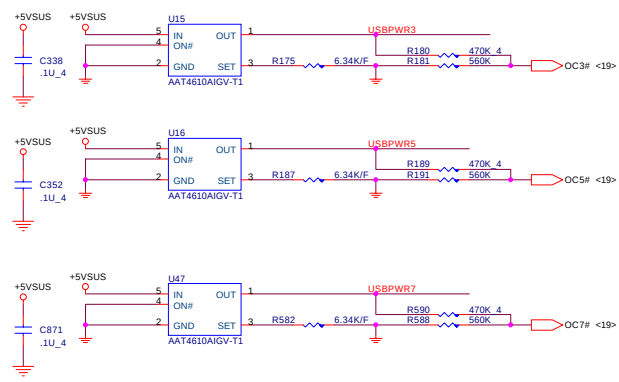
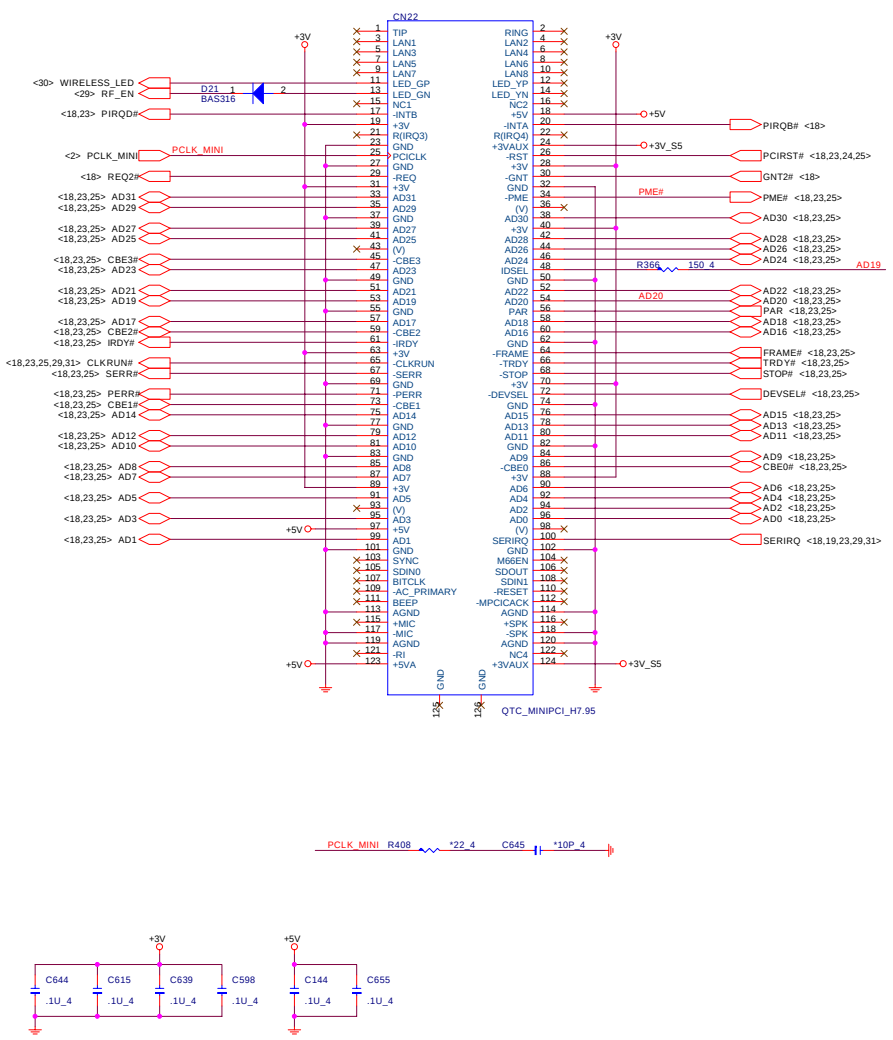
PROJECT : ZL2
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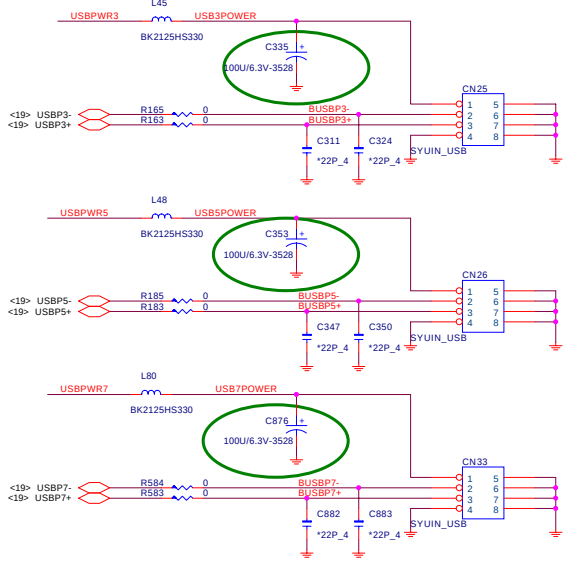




MINI-PCI



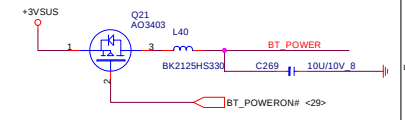
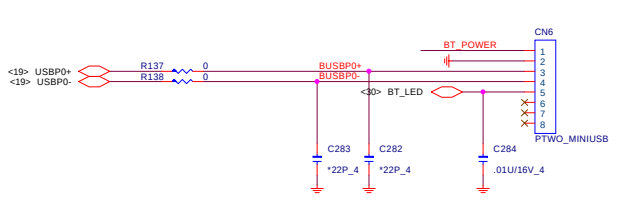
F: CHANGE TO 100UF

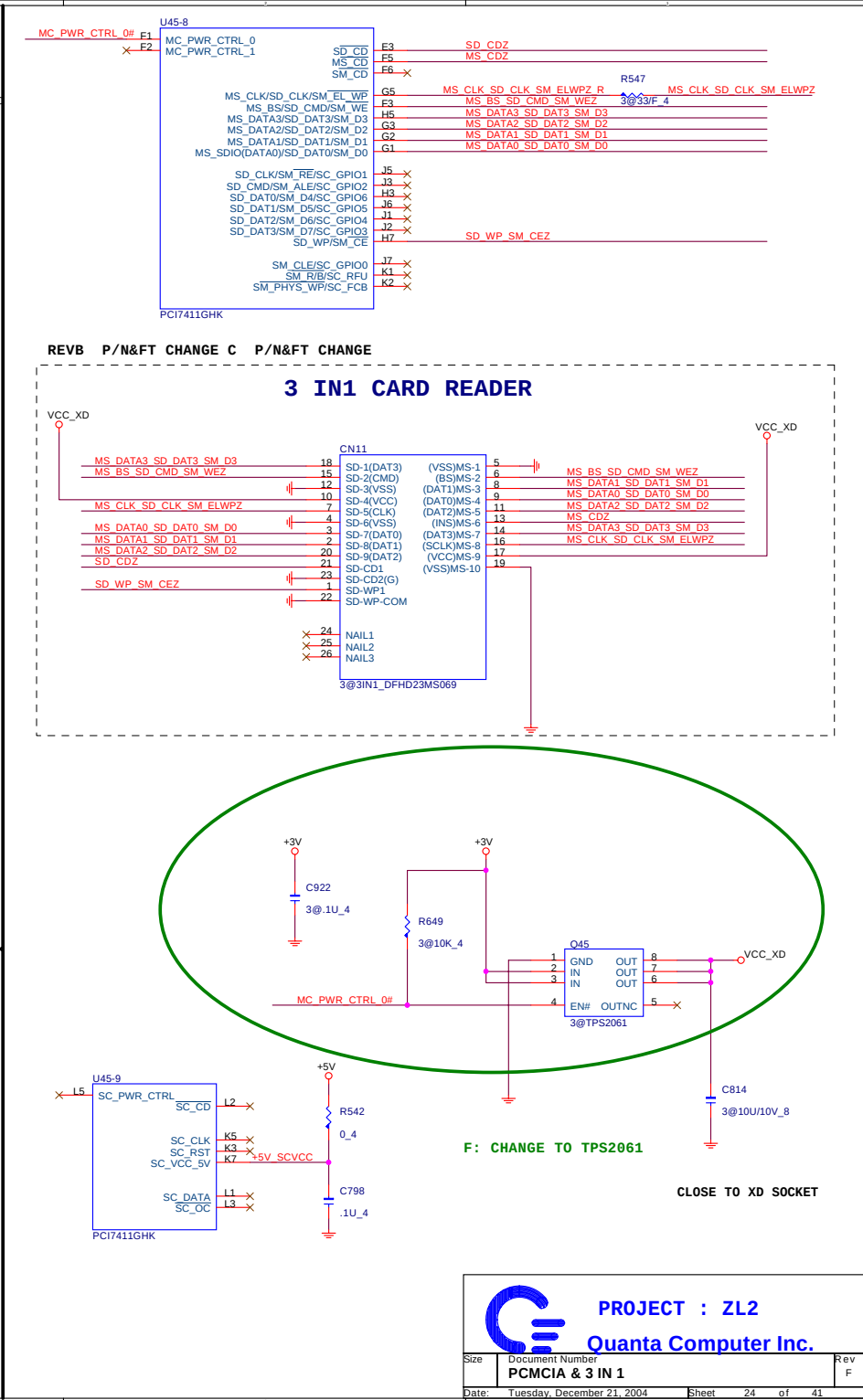
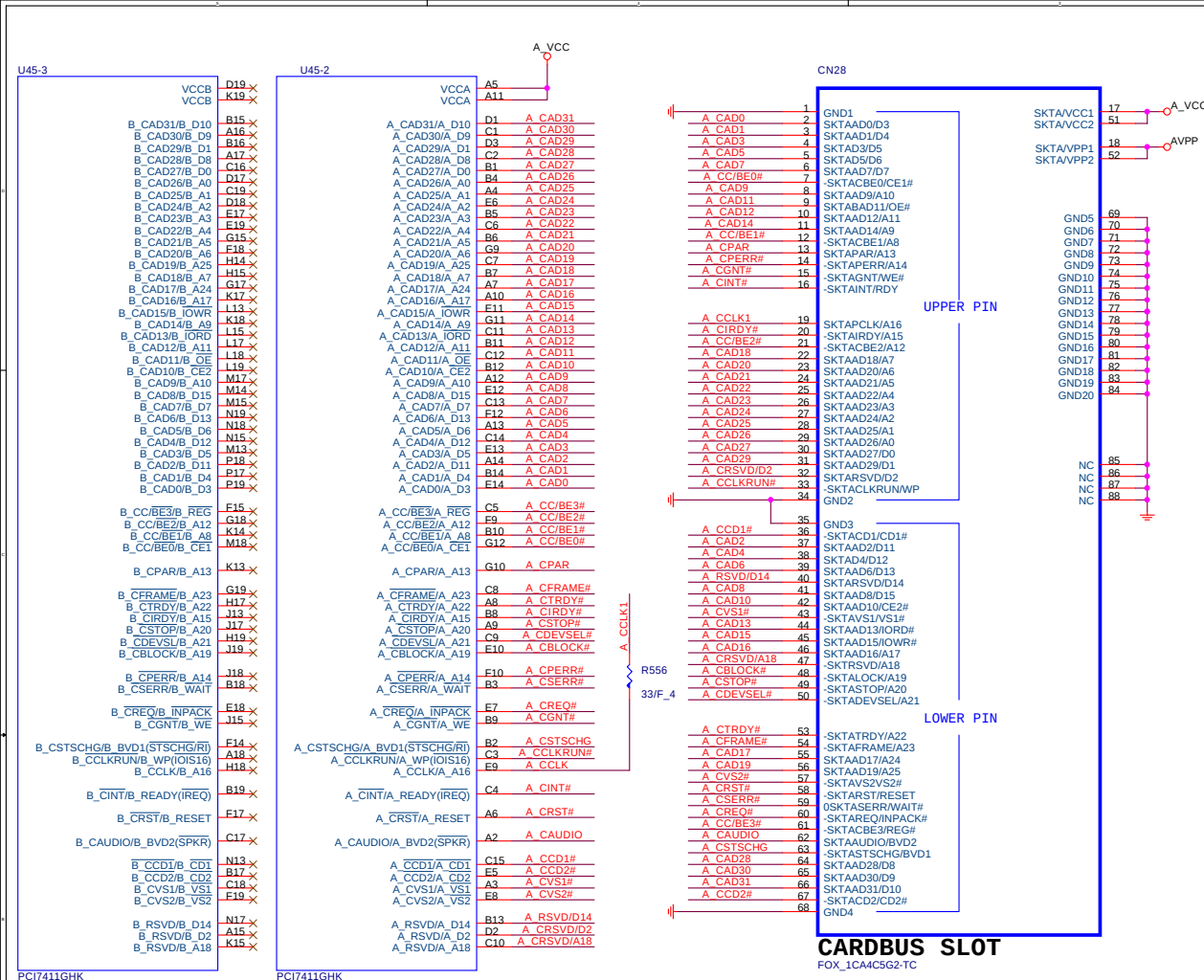


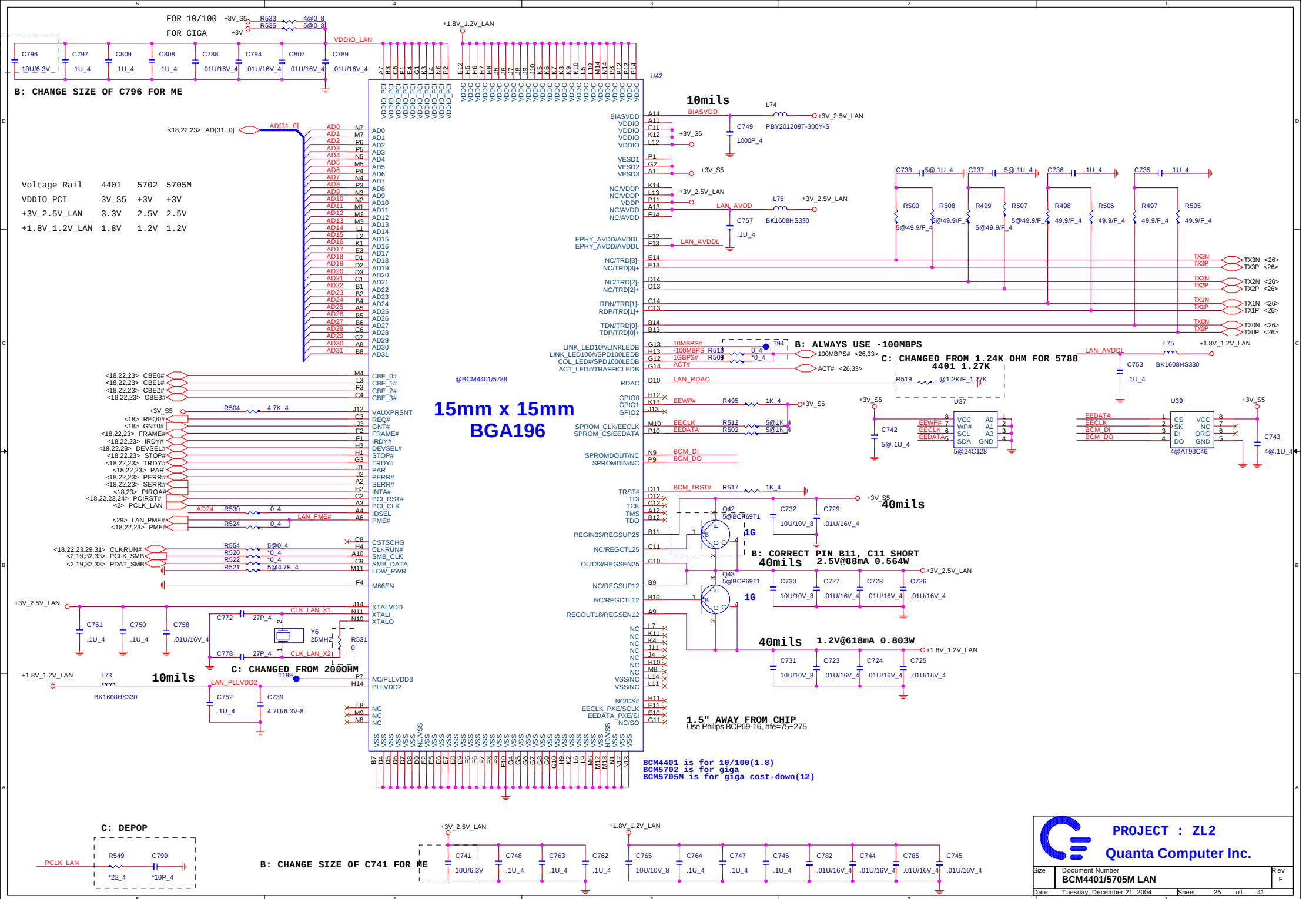
BOT

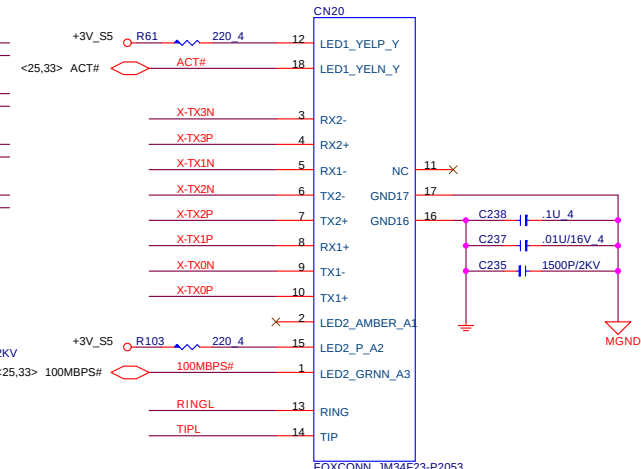
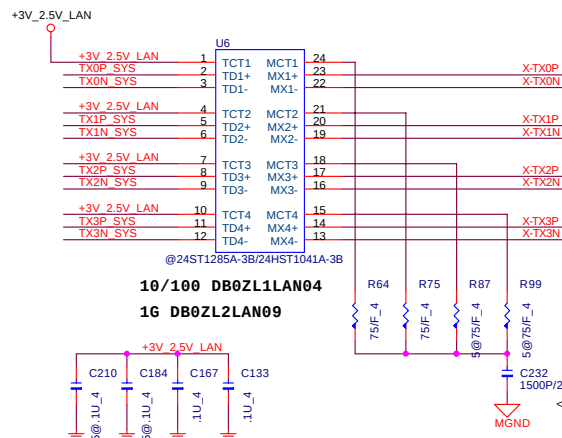
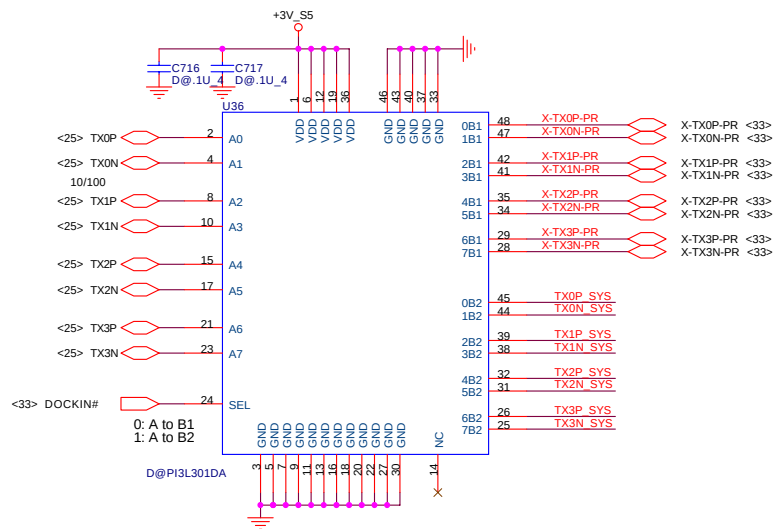


B: REMOVE CHOKE PADS

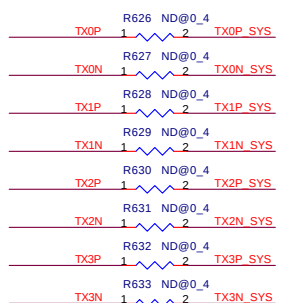






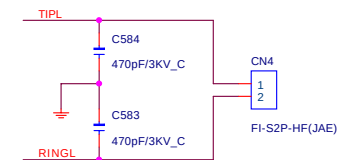


B: DEPOP C210, C184, R87, R99 WHEN NO 1G LAN

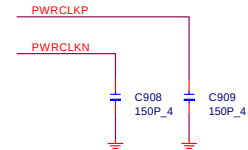
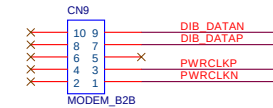
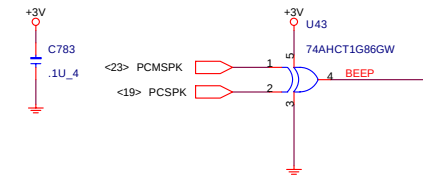
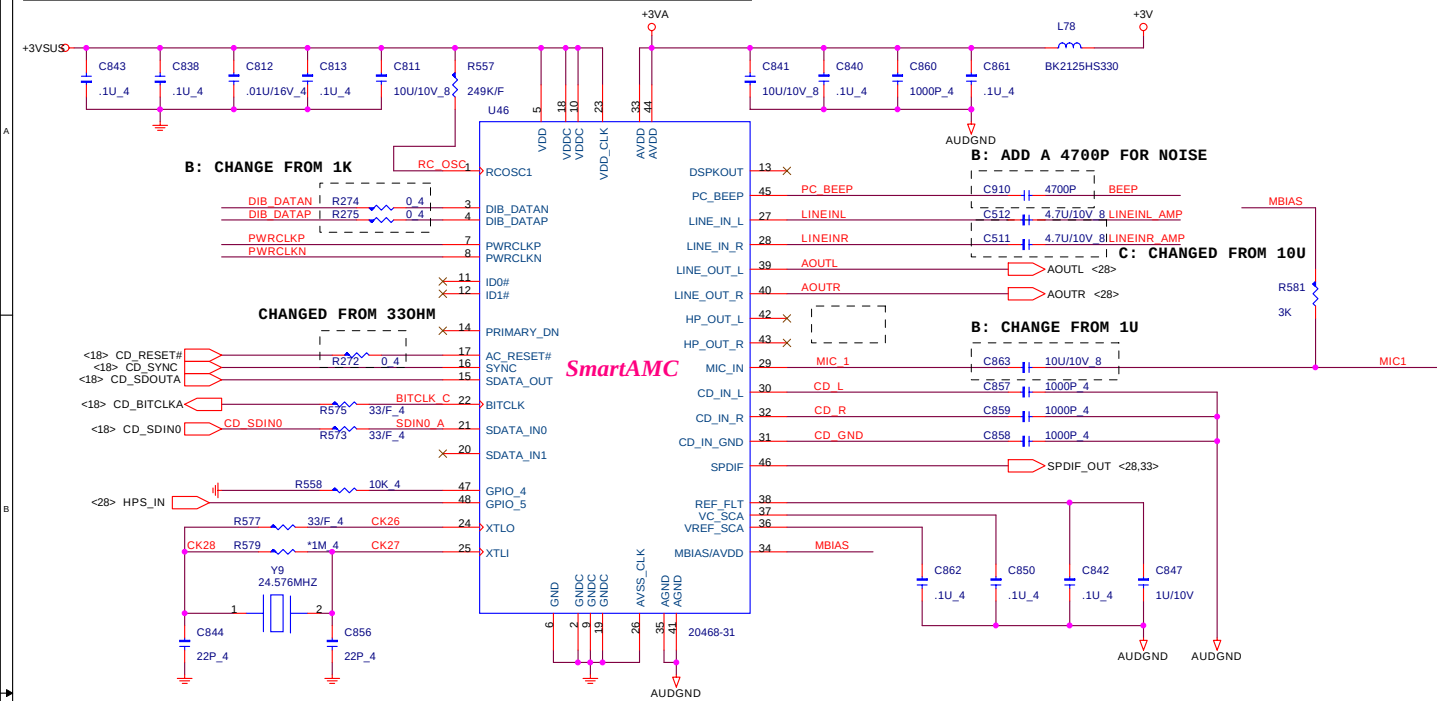


C: ADD CIRCUITS WHEN NO DOCKING

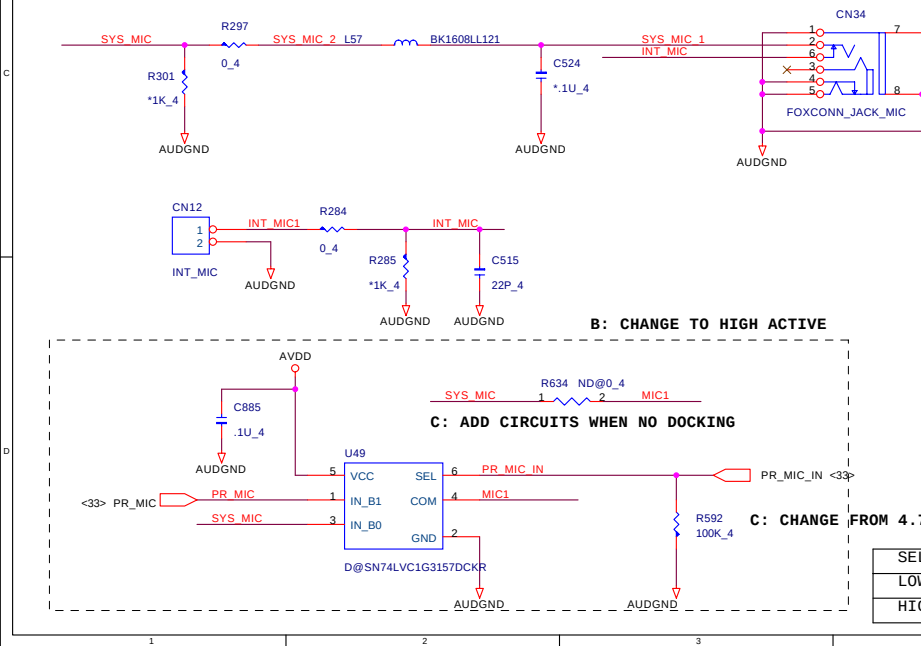
E: ADD FOR EMI REQUEST



The AMC20463-004 modem is used for mother board family MBAMC20463-004.

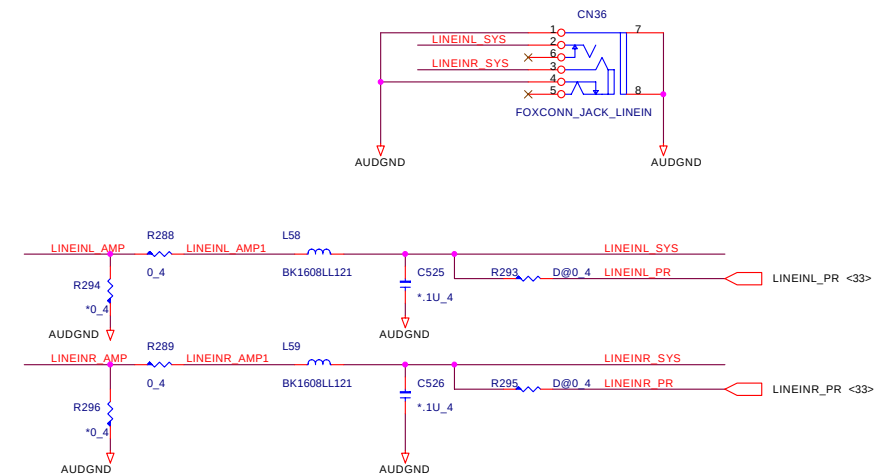


MIC



SEL	FUNCTION
LOW	IN_B0
HIGH	IN_B1

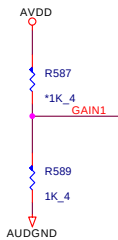
LINE IN



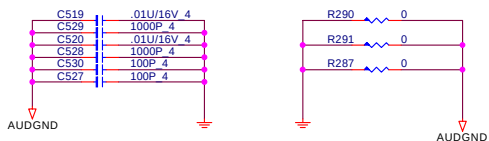
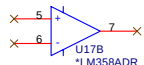
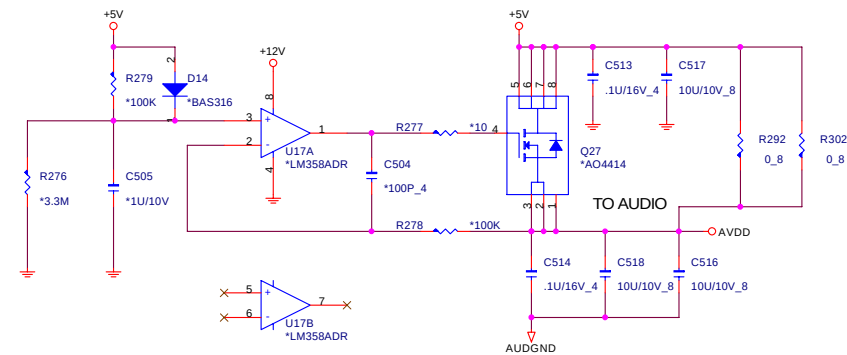
PROJECT : ZL2
Quanta Computer Inc.

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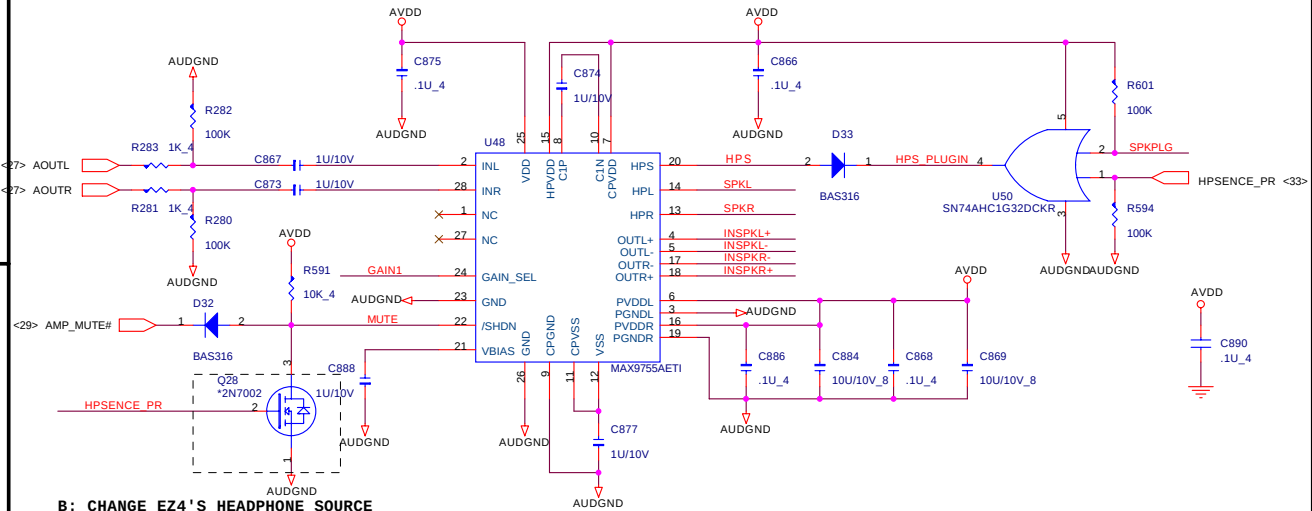
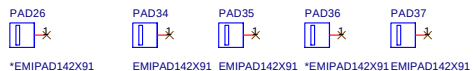
GAIN1	SPKR MODE	HP MODE
0	10.5	3
1	9	0



AMP POWER

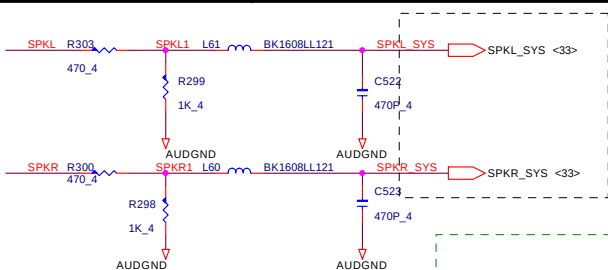
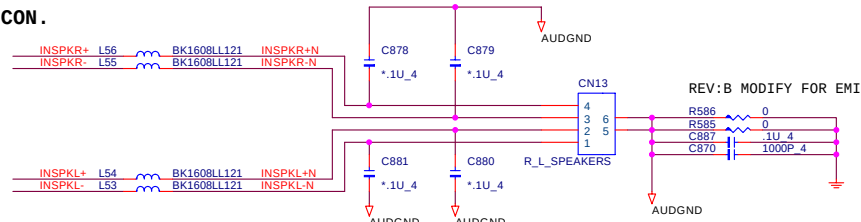
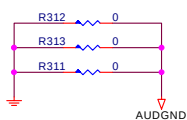


- F: RESTORE PAD26 FOR EMI REQUEST
- E: REMOVE PAD26, AND PAD35 CHANGE LOCATION
- B: ADD SPRING FOR MODEM CABLE

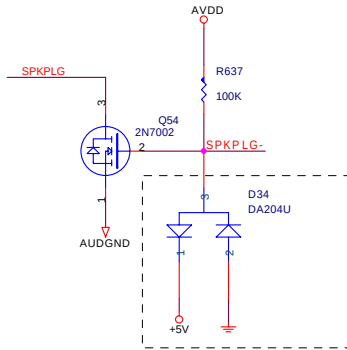


B: CHANGE EZ4'S HEADPHONE SOURCE

SPEAKER CON.

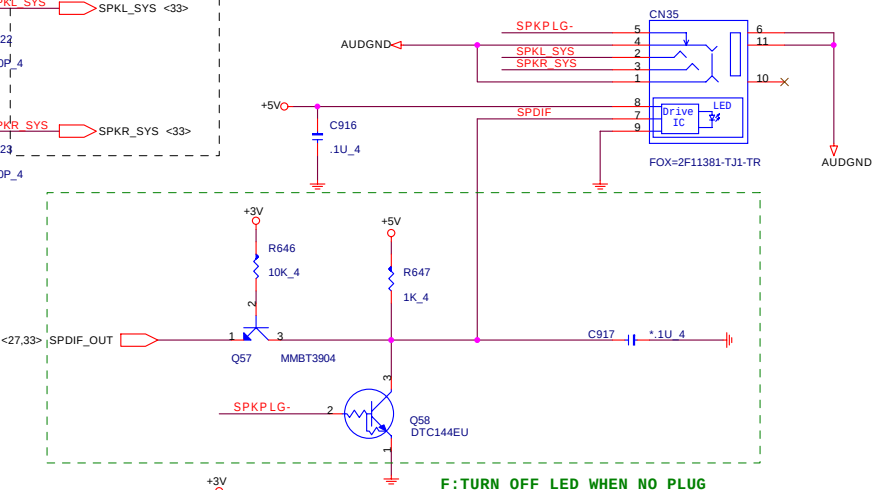


B: CHANGE EZ4'S HEADPHONE SOURCE

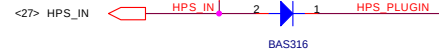


D: CHANGE TO SPDIF CONN

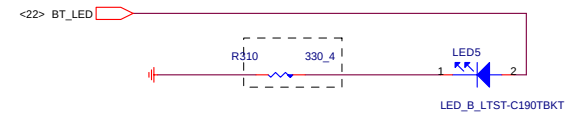
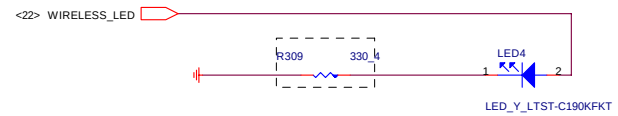
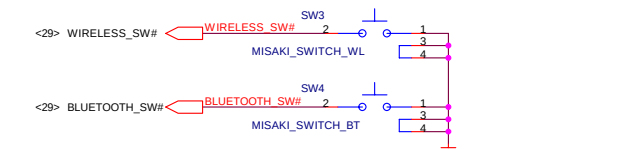
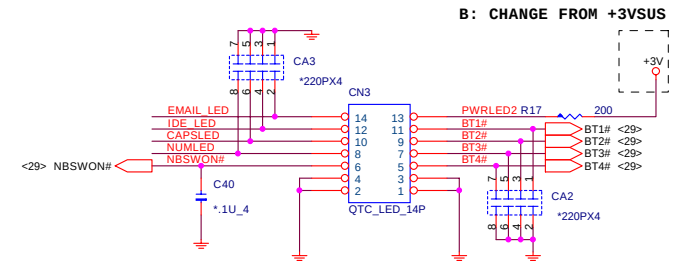
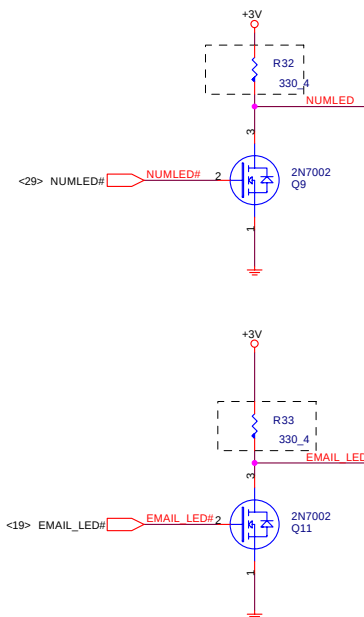
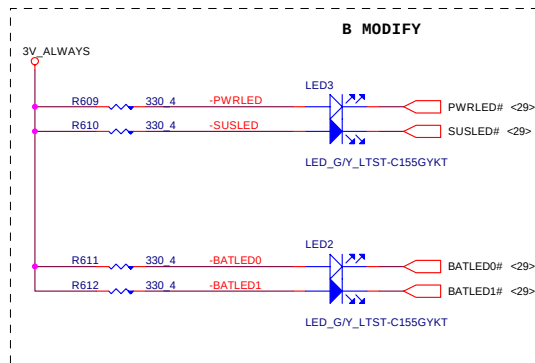
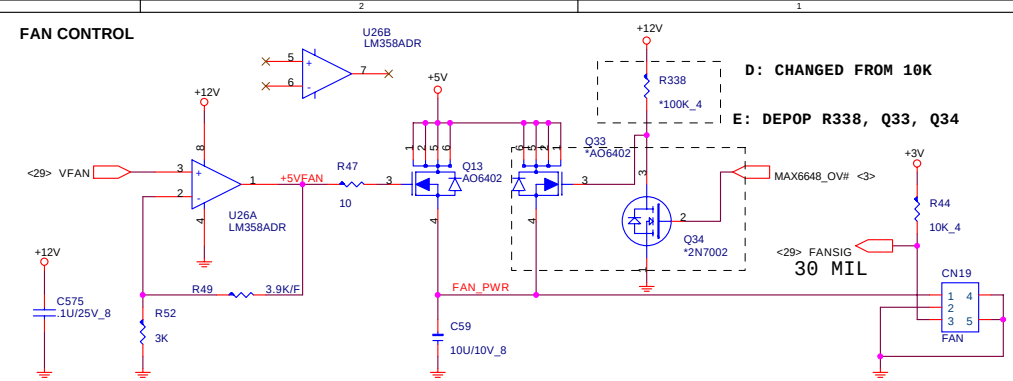
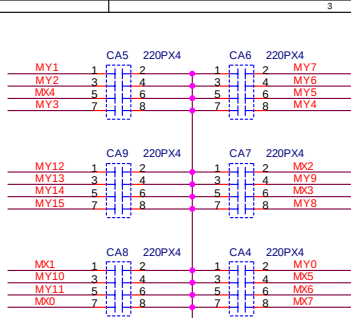
LINE OUT&SPDIF

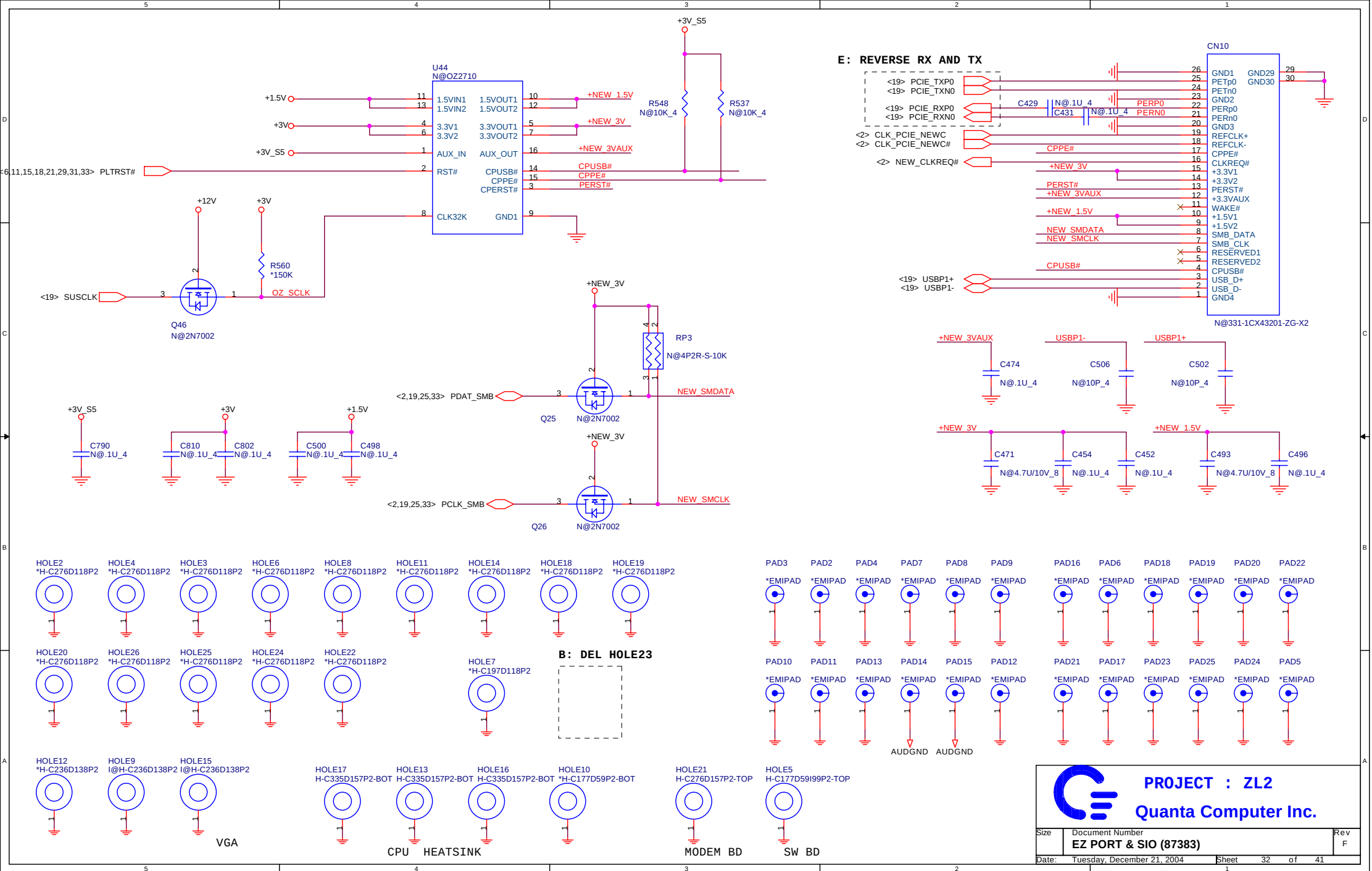


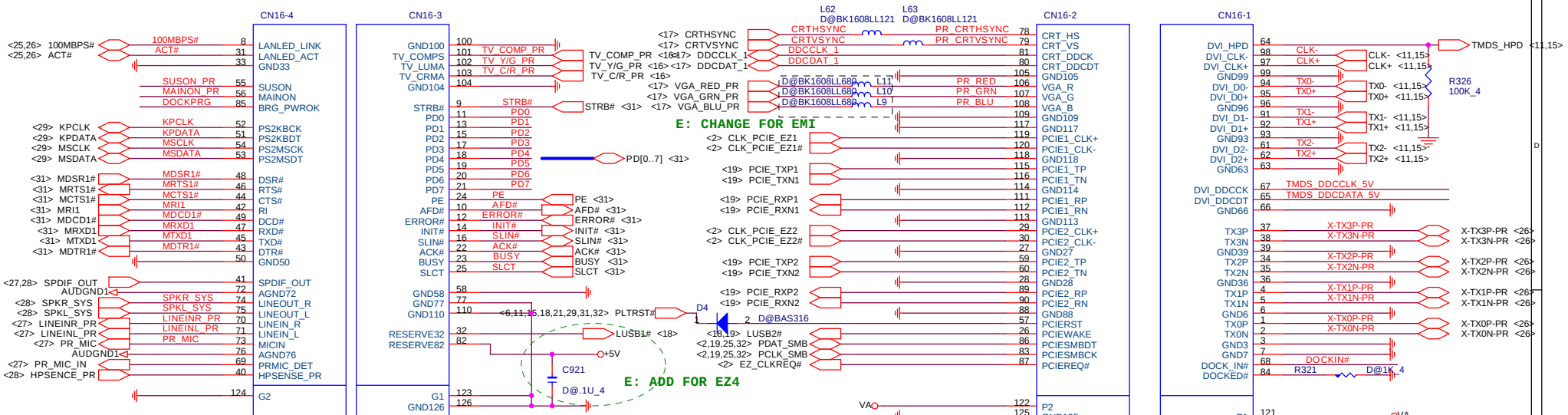
- F: NEW ADD FOR ESD
- CLOSE TO CN35



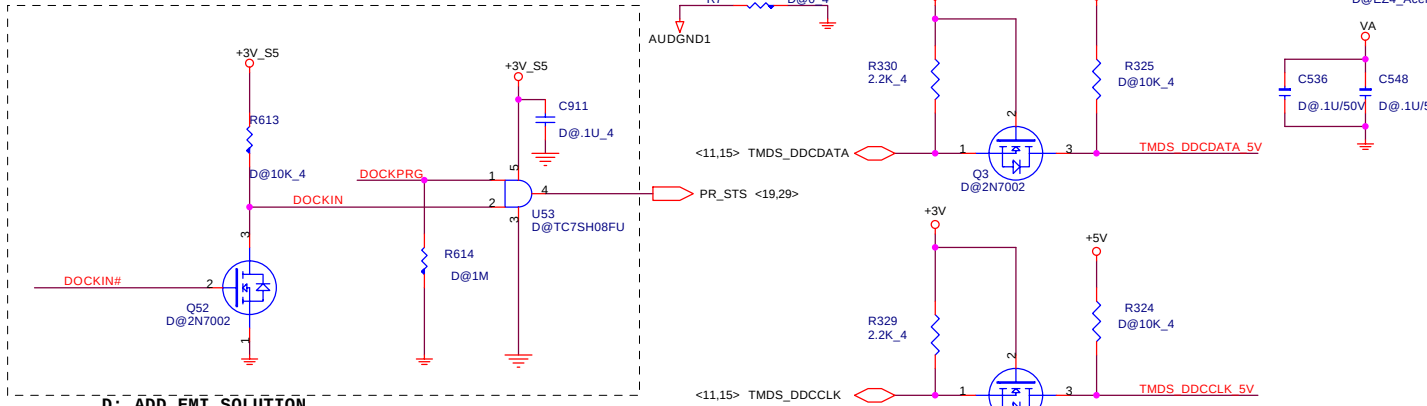
PROJECT : ZL2
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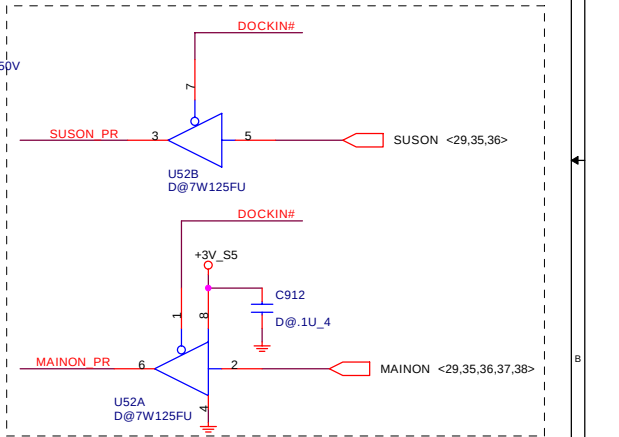


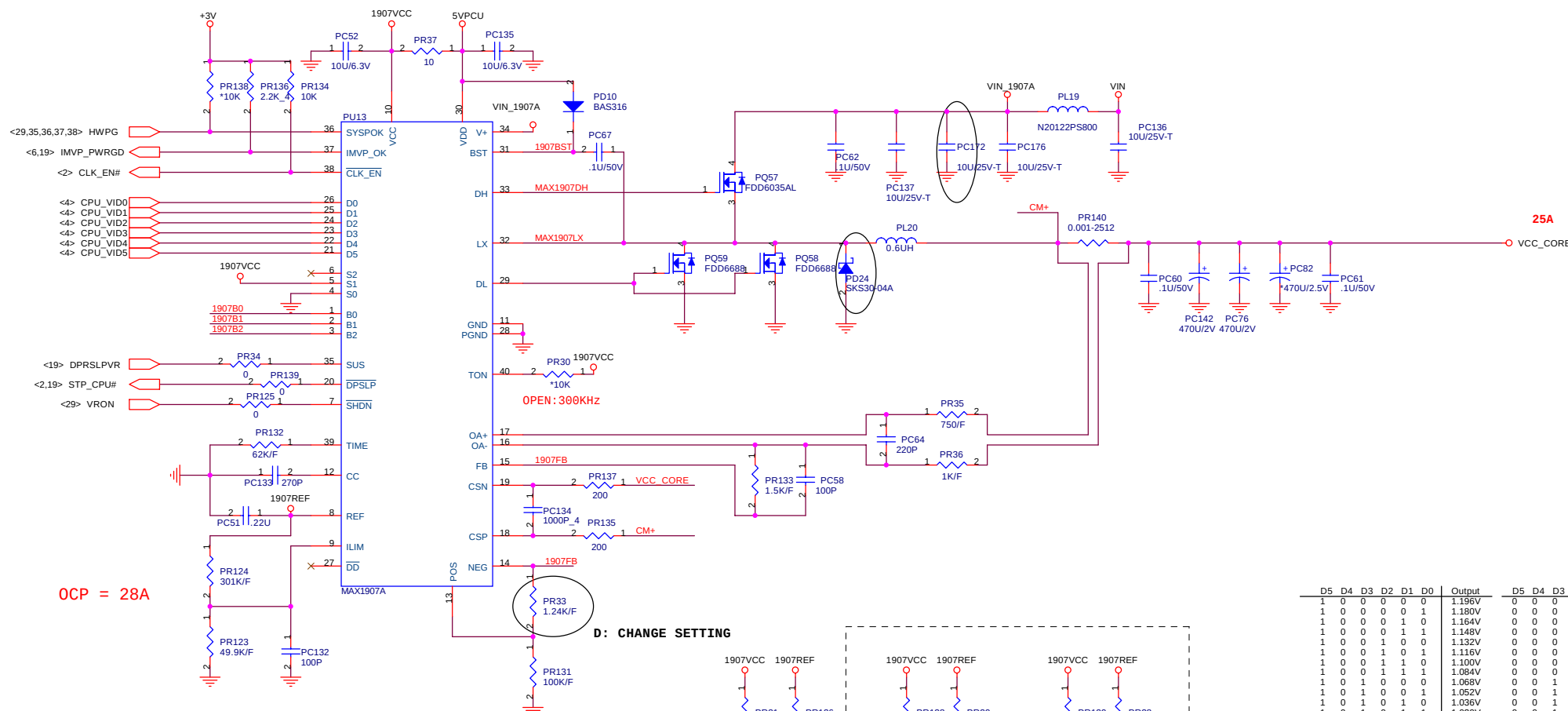


B: DOCKING CIRCUITS MODIFIED



B: DOCKING CIRCUITS MODIFIED

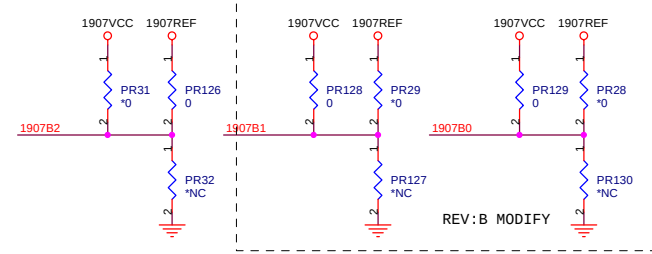




OCP = 28A

OPEN: 300KHZ

D: CHANGE SETTING



D: CHANGE SETTING

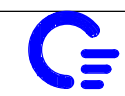
VCC_BOOT

B2	B1	B0	Output
GND	GND	GND	1.708V
REF	REF	REF	1.372V
OPEN	OPEN	OPEN	1.036V
VCC	VCC	VCC	0.700V
REF	VCC	VCC	1.212V

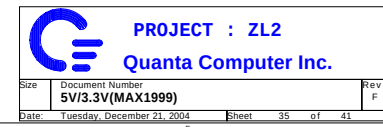
SUSPEND MODE (SUS=HIGH)

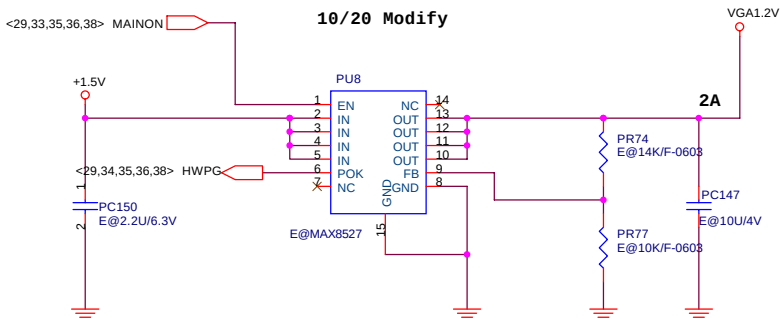
S2	S1	S0	Output
OPEN	VCC	GND	0.748V

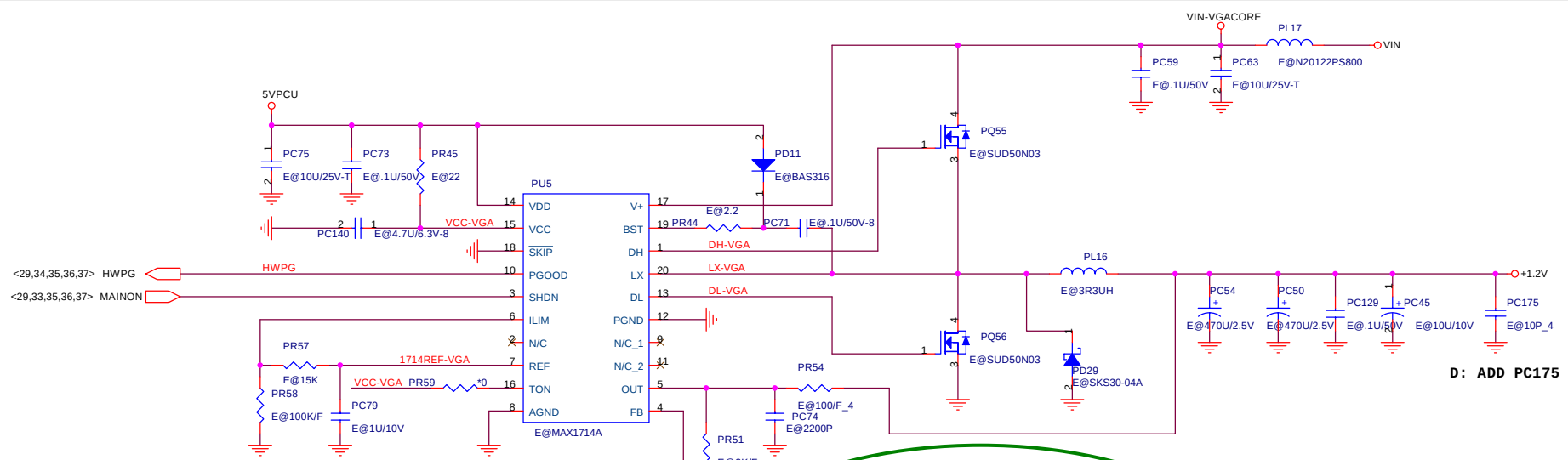
D5	D4	D3	D2	D1	D0	Output	D5	D4	D3	D2	D1	D0	Output
1	0	0	0	0	0	1.196V	0	0	0	0	0	0	1.708V
1	0	0	0	0	1	1.180V	0	0	0	0	0	1	1.692V
1	0	0	0	1	0	1.164V	0	0	0	0	1	0	1.676V
1	0	0	0	1	1	1.148V	0	0	0	0	1	1	1.660V
1	0	0	1	0	0	1.132V	0	0	0	1	0	0	1.644V
1	0	0	1	0	1	1.116V	0	0	0	1	0	1	1.628V
1	0	0	1	1	0	1.100V	0	0	0	1	1	0	1.612V
1	0	0	1	1	1	1.084V	0	0	0	1	1	1	1.596V
1	0	1	0	0	0	1.068V	0	0	1	0	0	0	1.580V
1	0	1	0	0	1	1.052V	0	0	1	0	0	1	1.564V
1	0	1	0	1	0	1.036V	0	0	1	0	1	0	1.548V
1	0	1	0	1	1	1.020V	0	0	1	0	1	1	1.532V
1	0	1	1	0	0	1.004V	0	0	1	1	0	0	1.516V
1	0	1	1	0	1	0.988V	0	0	1	1	0	1	1.500V
1	0	1	1	1	0	0.972V	0	0	1	1	1	0	1.484V
1	0	1	1	1	1	0.956V	0	0	1	1	1	1	1.468V
1	1	0	0	0	0	0.940V	0	1	0	0	0	0	1.452V
1	1	0	0	0	1	0.924V	0	1	0	0	1	0	1.436V
1	1	0	0	1	0	0.908V	0	1	0	0	1	1	1.420V
1	1	0	0	1	1	0.892V	0	1	0	0	1	1	1.404V
1	1	0	1	0	0	0.876V	0	1	0	1	0	0	1.388V
1	1	0	1	0	1	0.860V	0	1	0	1	0	1	1.372V
1	1	0	1	1	0	0.844V	0	1	0	1	1	0	1.356V
1	1	0	1	1	1	0.828V	0	1	0	1	1	1	1.340V
1	1	1	0	0	0	0.812V	0	1	1	0	0	0	1.324V
1	1	1	0	0	1	0.796V	0	1	1	0	0	1	1.308V
1	1	1	0	1	0	0.780V	0	1	1	0	1	0	1.292V
1	1	1	0	1	1	0.764V	0	1	1	0	1	1	1.276V
1	1	1	1	0	0	0.748V	0	1	1	1	0	0	1.260V
1	1	1	1	0	1	0.732V	0	1	1	1	0	1	1.244V
1	1	1	1	1	0	0.716V	0	1	1	1	1	0	1.228V
1	1	1	1	1	1	0.700V	0	1	1	1	1	1	1.212V



PROJECT : ZL2
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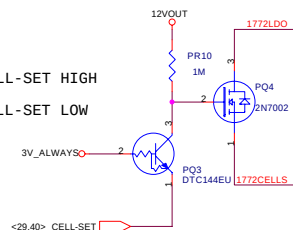








FOR 4S3P CELL-SET HIGH
FOR 3S3P CELL-SET LOW





SEL	FUNCTION
LOW	IN_B0
HIGH	IN_B1

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MODEL :	REV:	CHANGE LIST:	PAGE	FROM	TO	
ZL2 MotherBoard	B	PAGE2 1. CHANGE FREQ. SETTINGS FOR DOTHANB 2. UNSTUFF SSC COMPONENTS 3. UNSTUFF COMPONENTS FOR DIFFERENT SKUS	1			
		PAGE3 1. REMOVE R449, PULL HIGH AT POWER SIDE 2. UNSTUFF ITP COMPONENTS 3. STUFF R441 FOR THEMTRIP#	2			
		PAGE4 1. STUFF R432, R433 FOR AUTO-SELECT	3			
		PAGE5 1. STUFF R162 FOR DOTHAN-B	4			
		PAGE6 1. STUFF R147, R148, R151, R143, R152, R159 ALWAYS 2. NOT STUFF DVO COMPONENTS WHEN NO DOCKING	5			
		PAGE8 1. NOT STUFF FILTER COMPONENTS WHEN EXT. VGA 2. CHANGE D10, D11 TO CH551				
		PAGE9 1. STUFF R76, PCIE TESTIN PULL LOW 2. STUFF R369, GPIO0 PULL HIGH 3. CHANGE CLK OUTPUT TO XTALIN 4. NOT STUFF DVI COMPONENTS WHEN NO DOCKING				
		PAGE12 1. ADD 220UF IN VGA1.2V				
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		PAGE16 1. CHANGE TV-OUT LC VALUES				
		PAGE18 1. ADD DAMPING ON LFRAME# FOR AUDIO NOISE 2. STUFF R469 AND UNSTUFF R467 FOR DOTHAN-B 3. NOT STUFF COMPONENTS FOR SATA WHEN NO SATA 4. NOT STUFF AC TERMINATION FOR PCLK_1CH				
		PAGE19 1. NOT STUFF PCIE COMPONENTS WHEN NO PCIE DEVICES 2. CHANGE EMAIL LED GPIO 3. CHANGE MB_ID SETTING				
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		PAGE 35 3. INCREASE CAPACITOR C913 4. ADD DISCHARGE FOR VGA1.2V	19			
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		PAGE 37 1. CHANGE PU8 NET NAME TO +2.5V	23			
		PAGE 17 1. CHANGE HSYNC& VSYNC'S BEADS TO 0 OHM	24			
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			PAGE3 1. ADD THERMAL SHUTDOWN CIURCUITS			
			PAGE13 1. CHANGE OPTIONS TO HYNIX MEMORY			
			PAGE16 1. DEPOP C558			
PAGE17 1. CHANGE LC VALUES FOR RGB						
PAGE16, 17, 26 ADD 0 OHM RESISTORS TO SUBSTITUTE SWITCHES WHEN NO DOCKING						
PAGE25 1. CHANGE R531 TO 0 OHM 1. CHANGE R519 TO 1.2K/F						
PAGE27 1. CHANGE C512, C511 TO .7UF 1. CHANGE R592 TO 100K						
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	E	PAGE2 Change R200, R202, C915 value to pass EA	PAGE18 Change GPIO pin define, add R645			
		PAGE3,30 DEPOP COMPONENTS FOR MAX6648_OV#	PAGE20 D25 change to CH551			
		PAGE6 1. DEPOP R186, R184	PAGE31 Change C41 to 6pF			
PAGE8 Add C918 to solve TV issue		PAGE33 Modify EZ4 pin define, add R641, 642, 644 for EMI				
PAGE12 Add C919, 920, change L25,27,67						
PAGE16 1. ADD LEVEL SHIFT FOR EDID						
PAGE16 Change R8, R9, remove C9, C32 for pass Acer LCD						
PAGE19 ADD 100K PULLLOW ON DPRSLPVR, change C428						
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PAGE32 1. REVERSE RX AND TX						
		PAGE 35 1. CHANGE PC68 COMPONENT.				
		PAGE 36 1. CHANGE PR99 PD28 COMPONENT.				
		PAGE 37 1. CHANGE PD26 PD27 COMPONENT.				
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	2. CHANGE PR74 PR77 PU8 PC147 PC150 COMPONENT.					
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