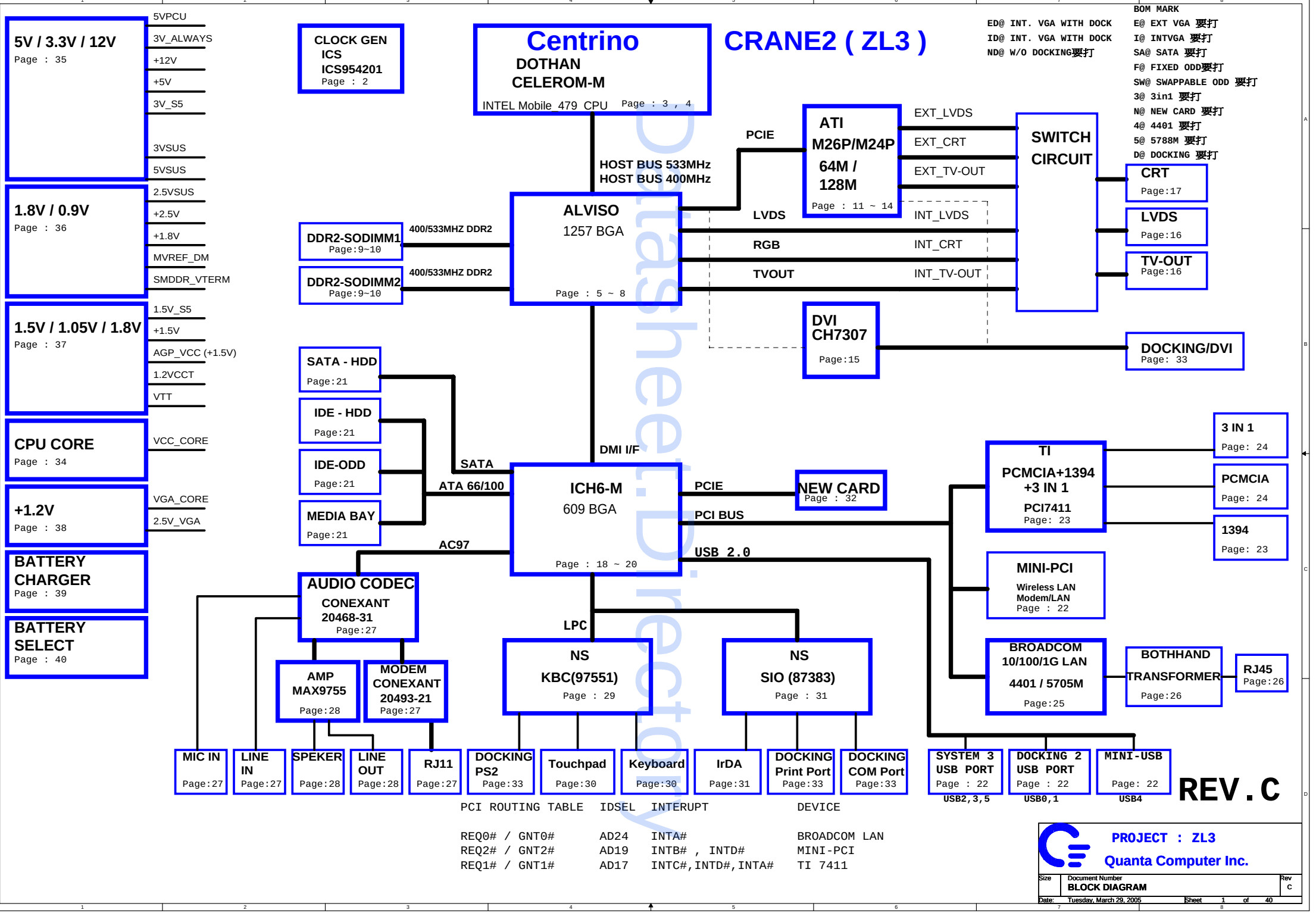


Place these termination
to close CK410M.

SMbus address D2

SMBUS ADDRESS: D2, D3

SMBUS ADDRESS: D4, D5

PULL HIGH TO SET PIN35,36 TO HOST CLK

Define pin35,36 function

PEREQ1# - SRC0, 2, SATA

PEREQ2# - SRC1, 3, 4

DEFALT OFF

DEFALT OFF

*Internal Pull-Down Resistor

CK-410M

ICS954217

250mA (MAX.)

*MK1493-05GT

Place these termination
to close CK410M.

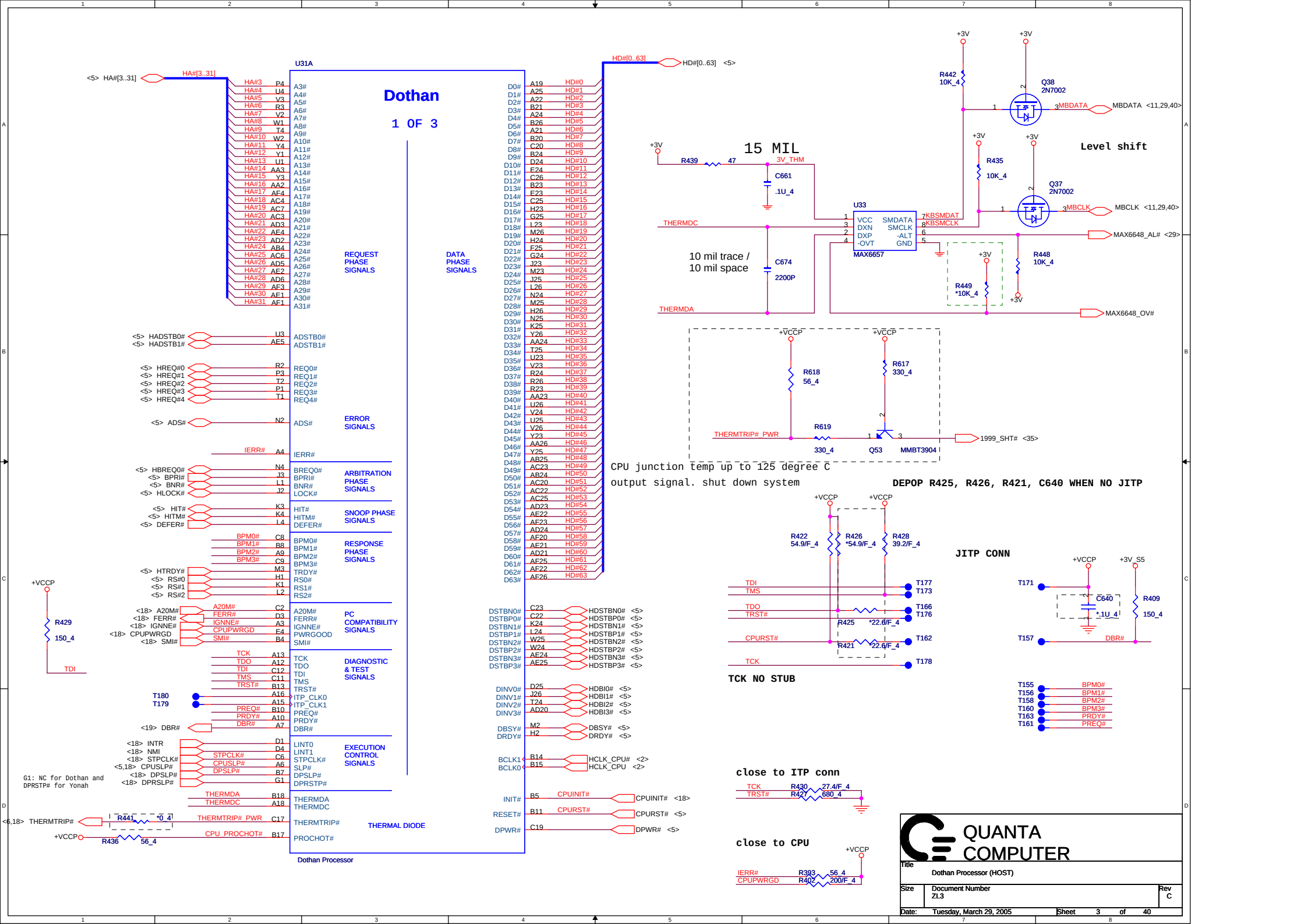
FSC	FSB	FSA	CPU	SRC	PCI
1	0	1	100	100	33
0	0	1	133	100	33
0	1	1	166	100	33
0	1	0	200	100	33
0	0	0	266	100	33
1	0	0	333	100	33
1	1	0	400	100	33
1	1	1	RSVD	100	33

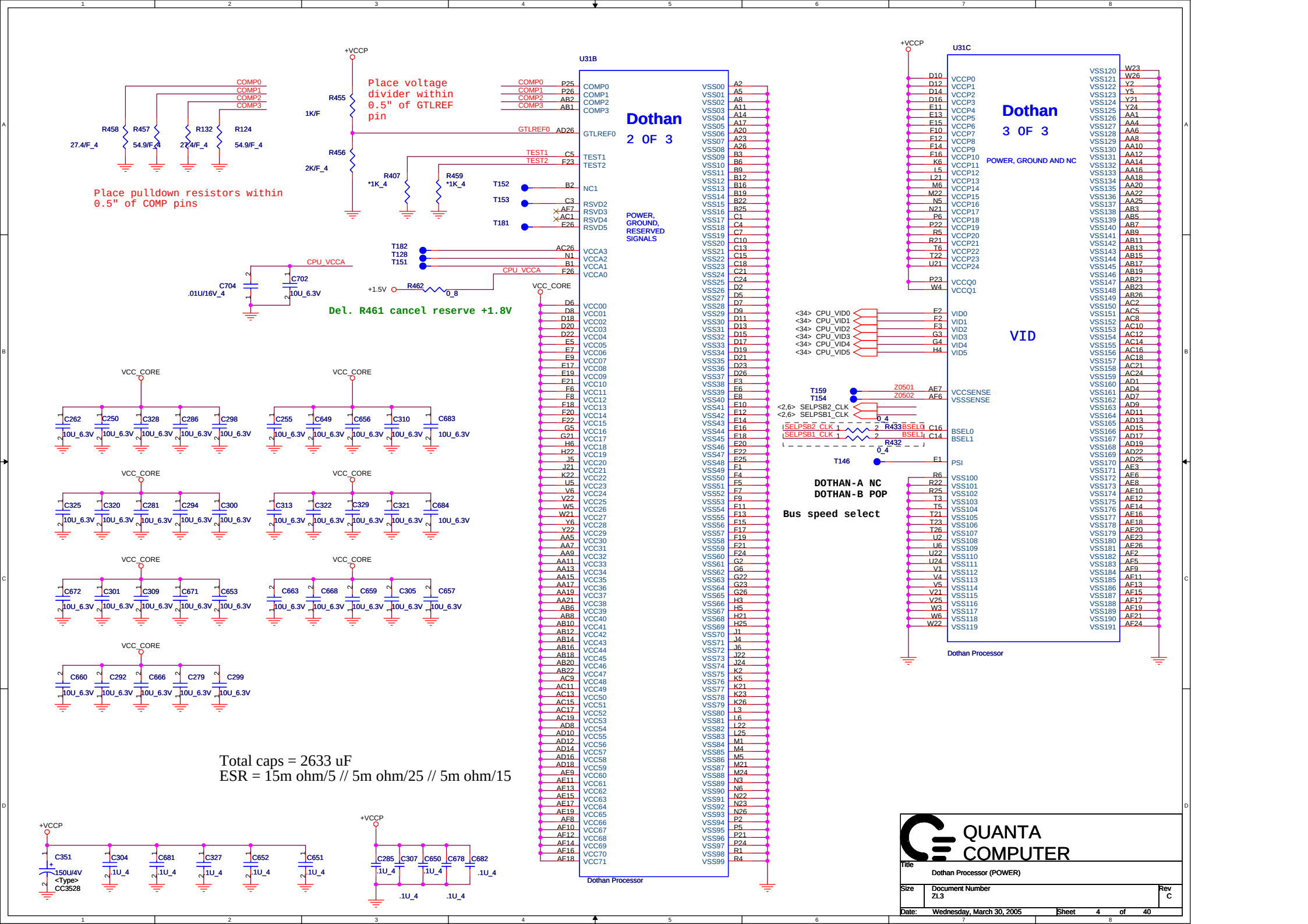
DOTHAN-A 400

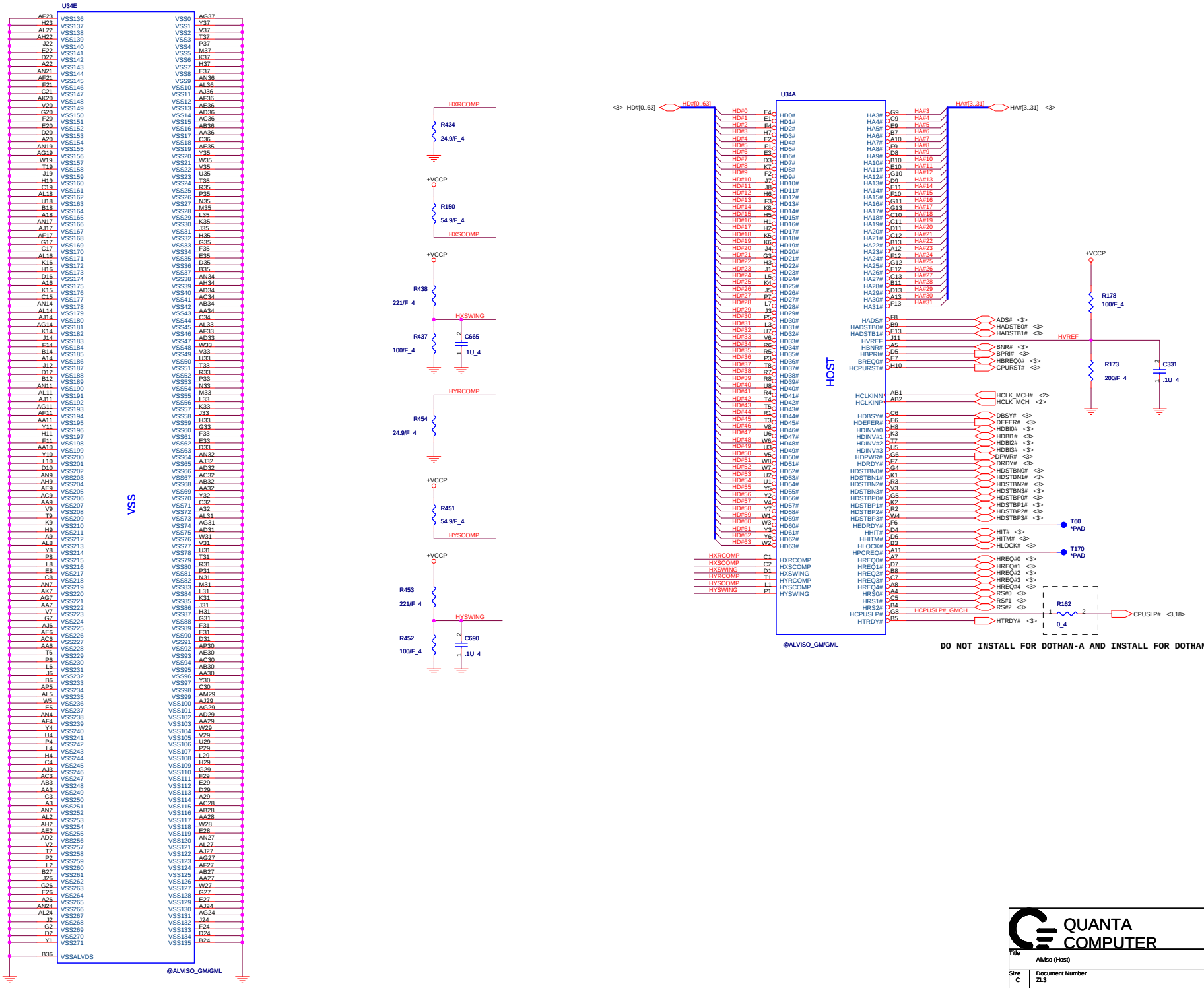
DOTHAN-A 533

QUANTA COMPUTER

Title	CLOCK GENERATOR	
Size	Document Number ZL3	Rev C
Date: Tuesday, March 29, 2005	Sheet 2 of 40	


U31A
Dothan
1 OF 3
REQUEST PHASE SIGNALS
DATA PHASE SIGNALS
ERROR SIGNALS
ARBITRATION PHASE SIGNALS
SNOOP PHASE SIGNALS
RESPONSE PHASE SIGNALS
PC COMPATIBILITY SIGNALS
DIAGNOSTIC & TEST SIGNALS
EXECUTION CONTROL SIGNALS
THERMAL DIODE
Dothan Processor
HA#[3..31]
HD#[0..63]
15 MIL
3V_THM
C661
.1U_4
R439
47
THERMDC
THERMDA
10 mil trace / 10 mil space
C674
2200P
U33
MAX6657
Level shift
Q38 2N7002
Q37 2N7002
R442 10K_4
R435 10K_4
R448 10K_4
R449 *10K_4
MBDATA
MBCLK
MAX6648_AL#
MAX6648_OV#
R618 56_4
R617 330_4
R619 330_4
Q53 MMBT3904
THERMTRIP# PWR
1999_SHT#
CPU junction temp up to 125 degree C
output signal. shut down system
DEPOP R425, R426, R421, C640 WHEN NO JITP
R422 54.9/F_4
R426 *54.9/F_4
R428 39.2/F_4
R425 *22.6/F_4
R421 *22.6/F_4
TDI
TMS
TDO
TRST#
CPURST#
TCK
T177
T173
T166
T176
T162
T178
TCK NO STUB
JITP CONN
T171
C640
*1U_4
R409
150_4
T157
DBR#
T155
T156
T158
T160
T163
T161
BPM0#
BPM1#
BPM2#
BPM3#
PRDY#
PREQ#
R429 150_4
T180
T179
R441 *0_4
R436 56_4
THERMTRIP#
CPU_PROCHOT#
close to ITP conn
R430 27.4/F_4
R427 680_4
close to CPU
R393 56_4
R402 200/F_4
G1: NC for Dothan and DPRSTP# for Yonah
QUANTA COMPUTER
Dothan Processor (HOST)
Size
Document Number ZL3
Rev C
Date: Tuesday, March 29, 2005
Sheet 3 of 40


Place pulldown resistors within 0.5" of COMP pins
Place voltage divider within 0.5" of GTLREF pin
Del. R461 cancel reserve +1.8V
Total caps = 2633 uF
ESR = 15m ohm/5 // 5m ohm/25 // 5m ohm/15
U31B
Dothan
2 OF 3
POWER, GROUND, RESERVED SIGNALS
Dothan Processor
U31C
Dothan
3 OF 3
POWER, GROUND AND NC
VID
DOTHAN-A NC
DOTHAN-B POP
Bus speed select
QUANTA COMPUTER
Title
Dothan Processor (POWER)
Size
Document Number
ZL3
Rev
C
Date:
Wednesday, March 30, 2005
Sheet
4
of
40



QUANTA COMPUTER		
Title	Alviso (Host)	
Size C	Document Number 2L3	Rev C
Date: Tuesday, March 29, 2005	Sheet 5 of 40	

CFG[0:2]=100 FOR FSB 533
CFG[0:2]=101 FOR FSB 400

CFG3 R168 *1K_4 FOR DDR533

U34C

DMI
<19> DMI_TXN0 AA31 DMIRXN0
<19> DMI_TXN1 AB35 DMIRXN1
<19> DMI_TXN2 AC31 DMIRXN2
<19> DMI_TXN3 AD35 DMIRXN3
<19> DMI_TXP0 Y31 DMIRXP0
<19> DMI_TXP1 AA35 DMIRXP1
<19> DMI_TXP2 AB31 DMIRXP2
<19> DMI_TXP3 AC35 DMIRXP3
<19> DMI_RXN0 AA33 DMITXN0
<19> DMI_RXN1 AB37 DMITXN1
<19> DMI_RXN2 AC33 DMITXN2
<19> DMI_RXN3 AD37 DMITXN3
<19> DMI_RXP0 Y33 DMITXP0
<19> DMI_RXP1 AA37 DMITXP1
<19> DMI_RXP2 AB33 DMITXP2
<19> DMI_RXP3 AC37 DMITXP3

DDR MUXING
<9> CLK_SDRAM0 AM33 SM_CK0
<9> CLK_SDRAM1 AL1 SM_CK1
T79 CLK_SDRAM2 AE11 SM_CK2
<9> CLK_SDRAM3 AJ34 SM_CK3
<9> CLK_SDRAM4 AF6 SM_CK4
T74 CLK_SDRAM5 AC10 SM_CK5
<9> CLK_SDRAM0# AN33 SM_CK0#
<9> CLK_SDRAM1# AK1 SM_CK1#
T78 CLK_SDRAM2# AE10 SM_CK2#
<9> CLK_SDRAM3# AJ33 SM_CK3#
<9> CLK_SDRAM4# AF5 SM_CK4#
T73 CLK_SDRAM5# AD10 SM_CK5#
<9,10> CKE0 CKE0 AP21 SM_CKE0
<9,10> CKE1 CKE1 AM21 SM_CKE1
<9,10> CKE2 CKE2 AH21 SM_CKE2
<9,10> CKE3 CKE3 AK21 SM_CKE3
<9,10> SM_CS0# SM_CS0# AN16 SM_CS0#
<9,10> SM_CS1# SM_CS1# AM14 SM_CS1#
<9,10> SM_CS2# SM_CS2# AH15 SM_CS2#
<9,10> SM_CS3# SM_CS3# AG16 SM_CS3#
M_OCDCOMP0 AE22 SM_OCDCOMP0
M_OCDCOMP1 AF16 SM_OCDCOMP1
<9,10> M_ODT0 AP14 SM_ODT0
<9,10> M_ODT1 AL15 SM_ODT1
<9,10> M_ODT2 AM11 SM_ODT2
<9,10> M_ODT3 AN10 SM_ODT3
M_RCOMPN AK10 SMRCOMPN
M_RCOMPP AK11 SMRCOMPP
AF37 SMVREF0
AD1 SMVREF1
SMXSLEW AE27 SMXSLEWIN
AE28 SMXSLEWOUT
SMYSLEW AF9 SMYSLEWIN
AE10 SMYSLEWOUT

CFG/RSVD
CFG0 G16 CFG0 R174 4.7K_4 +VCCP
CFG1 H13 CFG1 R164 1K_4 SELPSB1_CLK <2,4>
CFG2 G14 CFG2 R167 1K_4 SELPSB2_CLK <2,4>
CFG3 F16 CFG3 T56
CFG4 F15 CFG4
CFG5 G15 CFG5 R166 *1K_4
CFG6 E16 CFG6 R157 1K_4
CFG7 D17 CFG7 T50
CFG8 J16 CFG8 T70
CFG9 D15 CFG9 R153 *1K_4
CFG10 E15 CFG10 T58
CFG11 D14 CFG11 R161 1K_4
CFG12 E14 CFG12 T52
CFG13 H12 CFG13 T63
CFG14 C14 CFG14 T49
CFG15 H15 CFG15 T72
CFG16 J15 CFG16 T69
CFG17 H14 CFG17 T67
CFG18 G22 CFG18 T66
CFG19 G23 CFG19 T59
CFG20 D23 CFG20 T55
RSVD21 G25 T64
RSVD22 G24 T68
RSVD23 J17 T71
RSVD24 A31 T169
RSVD25 A30 T168
RSVD26 D26 T54
RSVD27 D25 T51

CFG5 Low=DMIx2
High=DMIx4
CFG6 Low=DDR2
High=DDR
CFG9 Low=REVERSE LANE
High=NORMAL
CFG11 FOR CPU533

CFG[17:3] have internal pullup resistors.
CFG[19:18] have internal pulldown resistors

PM
BM_BUSY# J23 PM_EXTTS#0 PM_BMBUSY# <19>
EXT_TS0# J21 PM_EXTTS#1
EXT_TS1# H22
THRMTRIP# F5 R177 0_4 THERMTRIP# <3,18>
PWROK AD30 IMVP_PWRGD <19,34>
RSTIN# AE29 R46 100 PLTRST# <11,15,18,21,29,31,32,33>

LCK
DREF_CLKN A24 DOT96# DOT96# <2>
DREF_CLKP A23 DOT96 DOT96 <2>
DREF_SSCLKN C37 DREFSSCLK# DREFSSCLK# <2>
DREF_SSCLKP D37 DREFSSCLK DREFSSCLK <2>

NC
NC1 AP37 TP_NC1 T187
NC2 AN37 TP_NC2 T183
NC3 AP36 TP_NC3 T186
NC4 AP2 TP_NC4 T185
NC5 AP1 TP_NC5 T184
NC6 AN1 TP_NC6 T188
NC7 B1 TP_NC7 T175
NC8 A2 TP_NC8 T167
NC9 B37 TP_NC9 T172
NC10 A36
NC11 A37

@ALVISO_GM/GML

R186 *40.2/F_4
R184 *40.2/F_4
Route as short as possible.
It's point to point, 55ohm trace, keep as short as possible.
+0.9VSUS
For DDR2

+1.8VSUS
R190 80.6/F_4
M_RCOMPN
M_RCOMPP
R188 80.6/F_4

+2.5V
R171 10K_4 PM_EXTTS#0
R170 10K_4 PM_EXTTS#1

R147 150/F_4 INT_TV_C/R
R148 150/F_4 INT_TV_COMP
R151 150/F_4 INT_TV_Y/G
R143 150/F_4 INT_VGA_RED
R152 150/F_4 INT_VGA_GRN
R159 150/F_4 INT_VGA_BLU

<11,16> TXLCLKOUT- TXLCLKOUT- I@4P2R-S-0 RN110 INT_TXLCLKOUT-
<11,16> TXLCLKOUT+ TXLCLKOUT+ INT_TXLCLKOUT+
<11,16> TXUCLKOUT- TXUCLKOUT- I@4P2R-S-0 RN9 INT_TXUCLKOUT-
<11,16> TXUCLKOUT+ TXUCLKOUT+ INT_TXUCLKOUT+
<11,16> TXLOUT0- TXLOUT0- I@4P2R-S-0 RN107 INT_TXLOUT0-
<11,16> TXLOUT0+ TXLOUT0+ INT_TXLOUT0+
<11,16> TXLOUT1- TXLOUT1- I@4P2R-S-0 RN108 INT_TXLOUT1-
<11,16> TXLOUT1+ TXLOUT1+ INT_TXLOUT1+
<11,16> TXLOUT2- TXLOUT2- I@4P2R-S-0 RN109 INT_TXLOUT2-
<11,16> TXLOUT2+ TXLOUT2+ INT_TXLOUT2+
<11,16> TXUOUT0- TXUOUT0- I@4P2R-S-0 RN12 INT_TXUOUT0-
<11,16> TXUOUT0+ TXUOUT0+ INT_TXUOUT0+
<11,16> TXUOUT1- TXUOUT1- I@4P2R-S-0 RN11 INT_TXUOUT1-
<11,16> TXUOUT1+ TXUOUT1+ INT_TXUOUT1+
<11,16> TXUOUT2- TXUOUT2- I@4P2R-S-0 RN10 INT_TXUOUT2-
<11,16> TXUOUT2+ TXUOUT2+ INT_TXUOUT2+
<11,16> DISP_ON DISP_ON I@0_4 R134 INT_DISP_ON
<11,16> BLON BLON I@0_4 R139 INT_BLON

<11> GMCHEXP_TXP[0..15] GMCHEXP_TXP[0..15]
<11> GMCHEXP_TXN[0..15] GMCHEXP_TXN[0..15]
<11,15> GMCHEXP_RXP[0..15] GMCHEXP_RXP[0..15]
<11,15> GMCHEXP_RXN[0..15] GMCHEXP_RXN[0..15]

U34F

MISC
<15> SDVO_CTRLDATA H24 SDVOCTRL_DATA
<15> SDVO_CTRLCLK H25 SDVOCTRL_CLK
<2> CLK_MCH_3GPLL# AB29 GCLKN
<2> CLK_MCH_3GPLL AC29 GCLKP

TV
<16> INT_TV_COMP INT_TV_COMP A15 TVDAC_A
<16> INT_TV_Y/G INT_TV_Y/G C16 TVDAC_B
<16> INT_TV_C/R INT_TV_C/R A17 TVDAC_C
TV_REFSET J18 TV_REFSET
R169 4.99K/F B15 TV_IRTNA
B16 TV_IRTNB
B17 TV_IRTNC

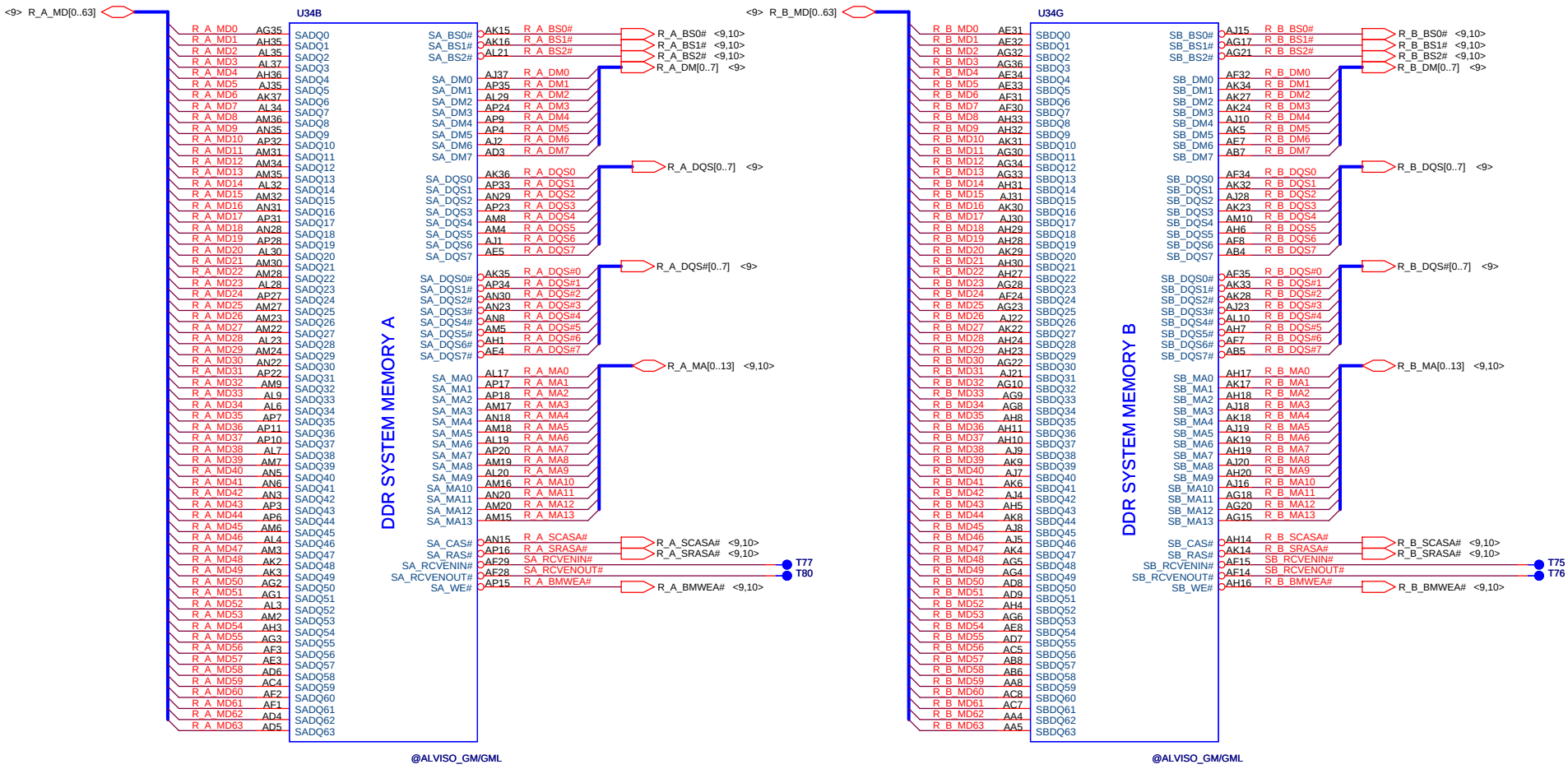
VGA
<17> INT_DDCCLK E24 DDCCLK
<17> INT_DDCDAT E23 DDCDATA
<17> INT_VGA_BLU E21 BLUE
D21 BLUE#
<17> INT_VGA_GRN C20 GREEN
B20 GREEN#
<17> INT_VGA_RED A19 RED
B19 RED#
<17> INT_VSYNC H21 VSYNC
<17> INT_HSYNC G21 HSYNC
REFSET J20 REFSET
R176 255/F_4

LVDS
T57
INT_BLON E25 LBKLT_CTRL
F25 LBKLT_EN
T47 C23 LCTLA_CLK
T48 C22 LCTLB_DATA
<16> I_EDIDCLK F23 LDDC_CLK
<16> I_EDIDDATA F22 LDDC_DATA
INT_DISP_ON F26 LVDD_EN
C33 LIBG
R156 1.5K/F T53 C31 LVBG
T62 F28 LVREFH
T61 F27 LVREFL
INT_TXLCLKOUT- B30 LACLKN
INT_TXLCLKOUT+ B29 LACLKP
INT_TXUCLKOUT- C25 LBCLKN
INT_TXUCLKOUT+ C24 LBCLKP
INT_TXLOUT0- B34 LADATAN0
INT_TXLOUT1- B33 LADATAN1
INT_TXLOUT2- B32 LADATAN2
INT_TXLOUT0+ A34 LADATAP0
INT_TXLOUT1+ A33 LADATAP1
INT_TXLOUT2+ B31 LADATAP2
INT_TXUOUT0- C29 LBDATAN0
INT_TXUOUT1- D28 LBDATAN1
INT_TXUOUT2- C27 LBDATAN2
INT_TXUOUT0+ C28 LBDATAP0
INT_TXUOUT1+ D27 LBDATAP1
INT_TXUOUT2+ C26 LBDATAP2

PCI-EXPRESS GRAPHICS
VCC3G_PCIE
R158 24.9/F_4
EXP_COMPI D36
EXP_ICOMPO D34
EXP_RXN0 E30 GMCHEXP_RXN0
EXP_RXN1 F34 GMCHEXP_RXN1
EXP_RXN2 G30 GMCHEXP_RXN2
EXP_RXN3 H34 GMCHEXP_RXN3
EXP_RXN4 J30 GMCHEXP_RXN4
EXP_RXN5 K34 GMCHEXP_RXN5
EXP_RXN6 L30 GMCHEXP_RXN6
EXP_RXN7 M34 GMCHEXP_RXN7
EXP_RXN8 N30 GMCHEXP_RXN8
EXP_RXN9 P34 GMCHEXP_RXN9
EXP_RXN10 R30 GMCHEXP_RXN10
EXP_RXN11 T34 GMCHEXP_RXN11
EXP_RXN12 U30 GMCHEXP_RXN12
EXP_RXN13 V34 GMCHEXP_RXN13
EXP_RXN14 W30 GMCHEXP_RXN14
EXP_RXN15 Y34 GMCHEXP_RXN15
EXP_RXP0 D30 GMCHEXP_RXP0
EXP_RXP1 E34 GMCHEXP_RXP1
EXP_RXP2 F30 GMCHEXP_RXP2
EXP_RXP3 G34 GMCHEXP_RXP3
EXP_RXP4 H30 GMCHEXP_RXP4
EXP_RXP5 J34 GMCHEXP_RXP5
EXP_RXP6 K30 GMCHEXP_RXP6
EXP_RXP7 L34 GMCHEXP_RXP7
EXP_RXP8 M30 GMCHEXP_RXP8
EXP_RXP9 N34 GMCHEXP_RXP9
EXP_RXP10 P30 GMCHEXP_RXP10
EXP_RXP11 R34 GMCHEXP_RXP11
EXP_RXP12 T30 GMCHEXP_RXP12
EXP_RXP13 U34 GMCHEXP_RXP13
EXP_RXP14 V30 GMCHEXP_RXP14
EXP_RXP15 W34 GMCHEXP_RXP15
EXP_TXN0 E32 CGMCHEXP_TXN0 E@.1U_4 C626 GMCHEXP_TXN0
EXP_TXN1 F36 CGMCHEXP_TXN1 E@.1U_4 C667 GMCHEXP_TXN1
EXP_TXN2 G32 CGMCHEXP_TXN2 E@.1U_4 C619 GMCHEXP_TXN2
EXP_TXN3 H36 CGMCHEXP_TXN3 E@.1U_4 C673 GMCHEXP_TXN3
EXP_TXN4 J32 CGMCHEXP_TXN4 E@.1U_4 C613 GMCHEXP_TXN4
EXP_TXN5 K36 CGMCHEXP_TXN5 E@.1U_4 C685 GMCHEXP_TXN5
EXP_TXN6 L32 CGMCHEXP_TXN6 E@.1U_4 C605 GMCHEXP_TXN6
EXP_TXN7 M36 CGMCHEXP_TXN7 E@.1U_4 C689 GMCHEXP_TXN7
EXP_TXN8 N32 CGMCHEXP_TXN8 E@.1U_4 C599 GMCHEXP_TXN8
EXP_TXN9 P36 CGMCHEXP_TXN9 E@.1U_4 C692 GMCHEXP_TXN9
EXP_TXN10 R32 CGMCHEXP_TXN10 E@.1U_4 C594 GMCHEXP_TXN10
EXP_TXN11 T36 CGMCHEXP_TXN11 E@.1U_4 C695 GMCHEXP_TXN11
EXP_TXN12 U32 CGMCHEXP_TXN12 E@.1U_4 C592 GMCHEXP_TXN12
EXP_TXN13 V36 CGMCHEXP_TXN13 E@.1U_4 C698 GMCHEXP_TXN13
EXP_TXN14 W32 CGMCHEXP_TXN14 E@.1U_4 C590 GMCHEXP_TXN14
EXP_TXN15 Y36 CGMCHEXP_TXN15 E@.1U_4 C587 GMCHEXP_TXN15
EXP_TXP0 D32 CGMCHEXP_TXP0 E@.1U_4 C628 GMCHEXP_TXP0
EXP_TXP1 E36 CGMCHEXP_TXP1 E@.1U_4 C664 GMCHEXP_TXP1
EXP_TXP2 F32 CGMCHEXP_TXP2 E@.1U_4 C624 GMCHEXP_TXP2
EXP_TXP3 G36 CGMCHEXP_TXP3 E@.1U_4 C669 GMCHEXP_TXP3
EXP_TXP4 H32 CGMCHEXP_TXP4 E@.1U_4 C616 GMCHEXP_TXP4
EXP_TXP5 J36 CGMCHEXP_TXP5 E@.1U_4 C679 GMCHEXP_TXP5
EXP_TXP6 K32 CGMCHEXP_TXP6 E@.1U_4 C608 GMCHEXP_TXP6
EXP_TXP7 L36 CGMCHEXP_TXP7 E@.1U_4 C686 GMCHEXP_TXP7
EXP_TXP8 M32 CGMCHEXP_TXP8 E@.1U_4 C601 GMCHEXP_TXP8
EXP_TXP9 N36 CGMCHEXP_TXP9 E@.1U_4 C691 GMCHEXP_TXP9
EXP_TXP10 P32 CGMCHEXP_TXP10 E@.1U_4 C595 GMCHEXP_TXP10
EXP_TXP11 R36 CGMCHEXP_TXP11 E@.1U_4 C693 GMCHEXP_TXP11
EXP_TXP12 T32 CGMCHEXP_TXP12 E@.1U_4 C593 GMCHEXP_TXP12
EXP_TXP13 U36 CGMCHEXP_TXP13 E@.1U_4 C697 GMCHEXP_TXP13
EXP_TXP14 V32 CGMCHEXP_TXP14 E@.1U_4 C591 GMCHEXP_TXP14
EXP_TXP15 W36 CGMCHEXP_TXP15 E@.1U_4 C588 GMCHEXP_TXP15

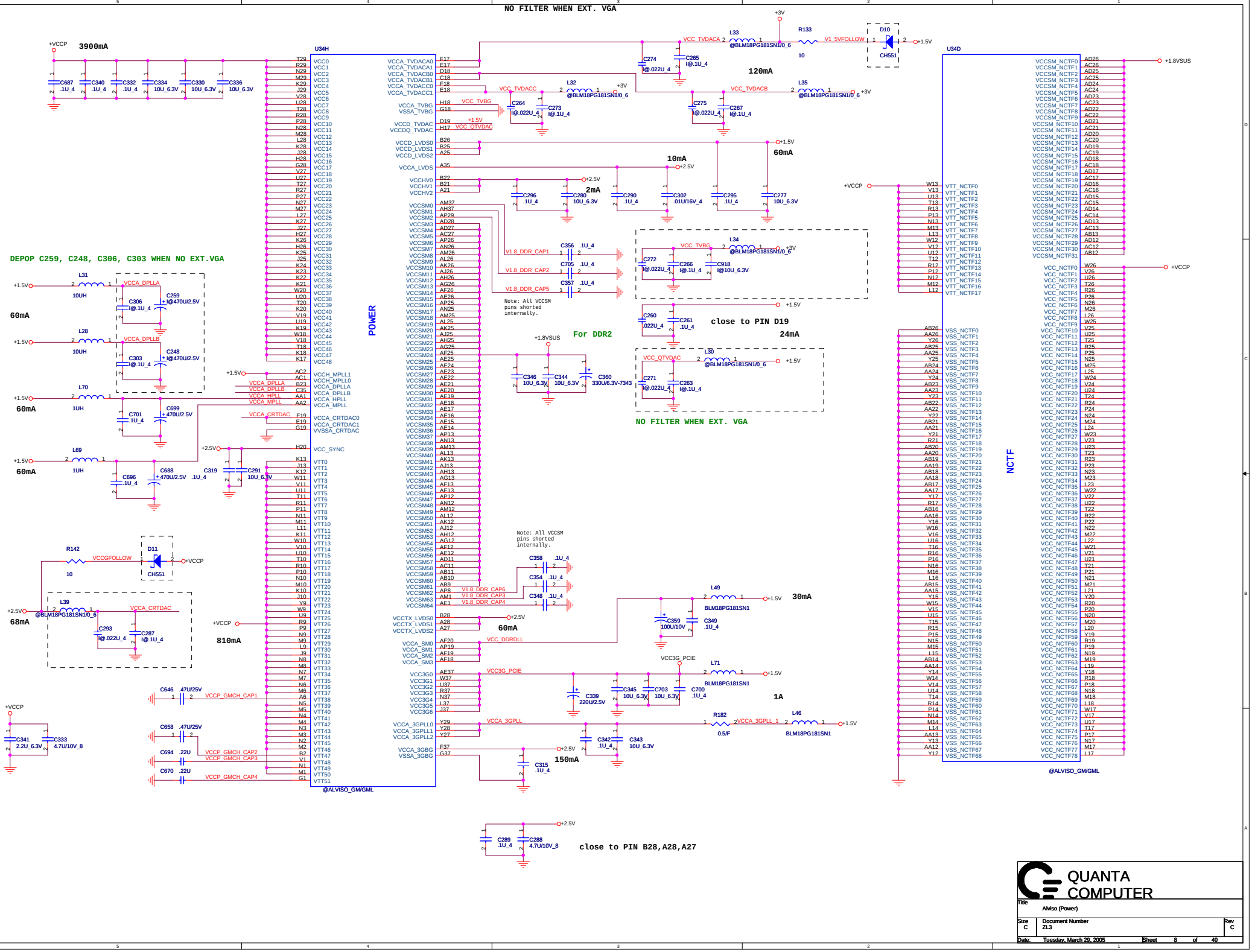
@ALVISO_GM/GML
C629 ID@.1U_4
CGMCHEXP_TXP0 SDVOB_R+ SDVOB_R+ <15>
C627 ID@.1U_4
CGMCHEXP_TXN0 SDVOB_R- SDVOB_R- <15>
C308 ID@.1U_4
CGMCHEXP_TXP1 SDVOB_G+ SDVOB_G+ <15>
C312 ID@.1U_4
CGMCHEXP_TXN1 SDVOB_G- SDVOB_G- <15>
C625 ID@.1U_4
CGMCHEXP_TXP2 SDVOB_B+ SDVOB_B+ <15>
C620 ID@.1U_4
CGMCHEXP_TXN2 SDVOB_B- SDVOB_B- <15>
C318 ID@.1U_4
CGMCHEXP_TXP3 SDVOB_CLK+ SDVOB_CLK+ <15>
C323 ID@.1U_4
CGMCHEXP_TXN3 SDVOB_CLK- SDVOB_CLK- <15>

QUANTA COMPUTER
Title: Alviso (VGA,DMI)
Size: Custom Document Number: ZL3 Rev: C
Date: Tuesday, March 29, 2005 Sheet 6 of 40

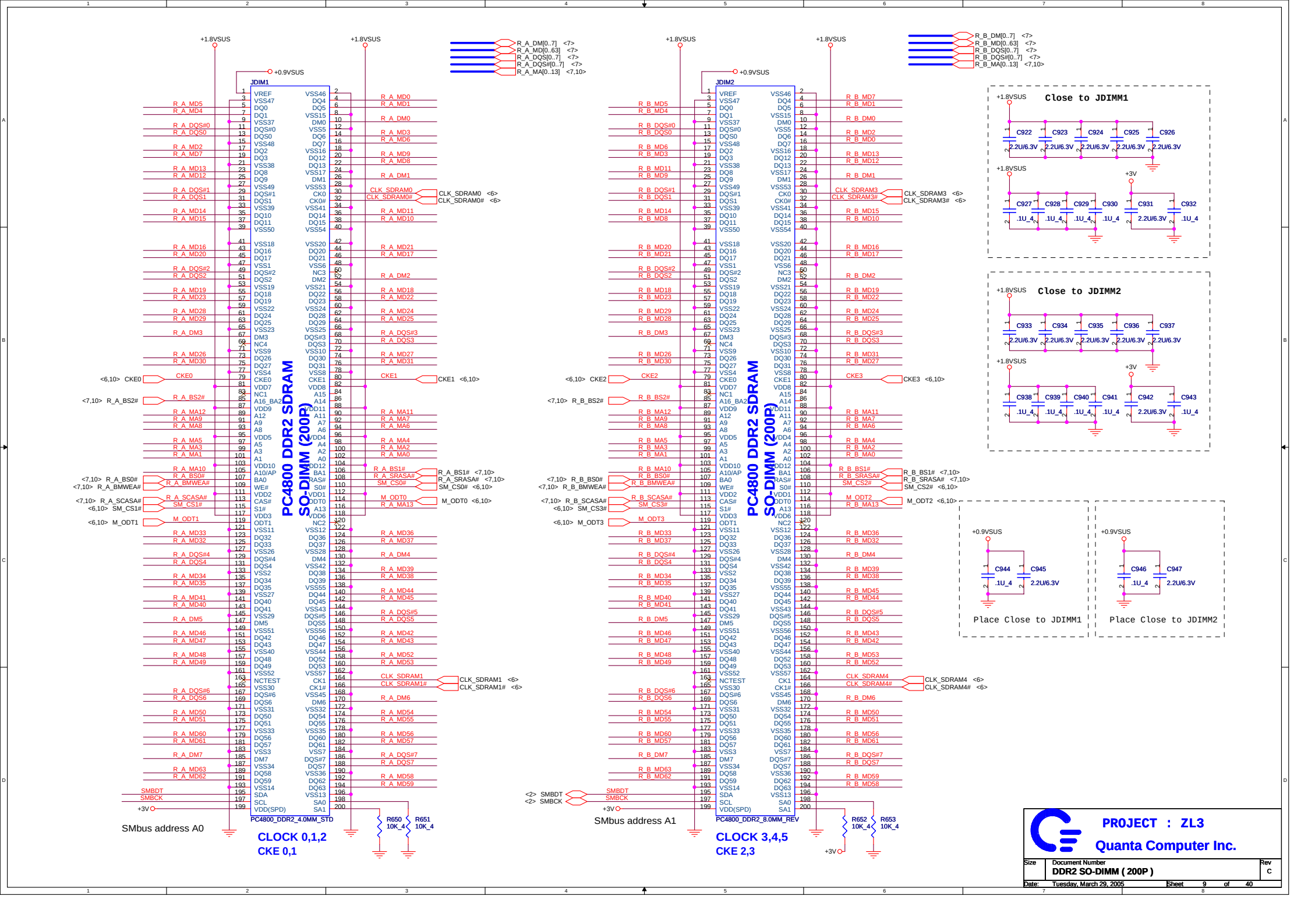


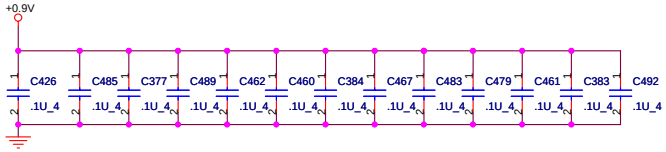
QUANTA COMPUTER

Title: Alviso (DDR)		
Size: CustomZL3	Document Number	Rev: C
Date: Tuesday, March 29, 2005	Sheet 7 of 40	

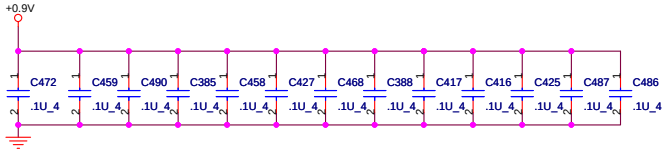


Title	Alviso (Power)		
Size C	Document Number ZL3		Rev C
Date: Tuesday, March 29, 2005	Sheet 8	of 40	

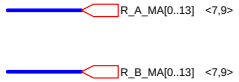

JDIM1
PC4800 DDR2 SDRAM SO-DIMM (200P)
PC4800_DDR2_4.0MM_STD
SMbus address A0
CLOCK 0,1,2
CKE 0,1
JDIM2
PC4800_DDR2_8.0MM_REV
SMbus address A1
CLOCK 3,4,5
CKE 2,3
Close to JDIMM1
Close to JDIMM2
Place Close to JDIMM1
Place Close to JDIMM2
PROJECT : ZL3
Quanta Computer Inc.
DDR2 SO-DIMM (200P)
Tuesday, March 29, 2005

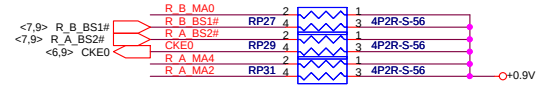


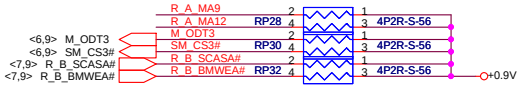
Layout note: Place one cap close to every 2 pullup resistors terminated to +0.9V

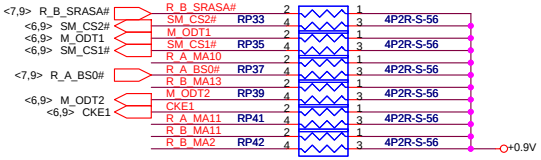


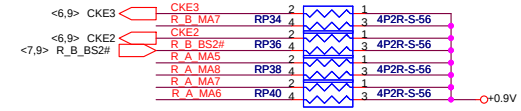
Layout note: Place one cap close to every 2 pullup resistors terminated to +0.9V

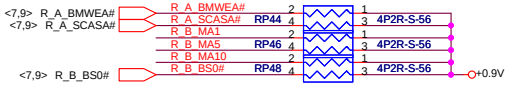


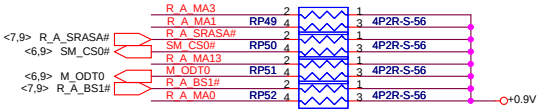










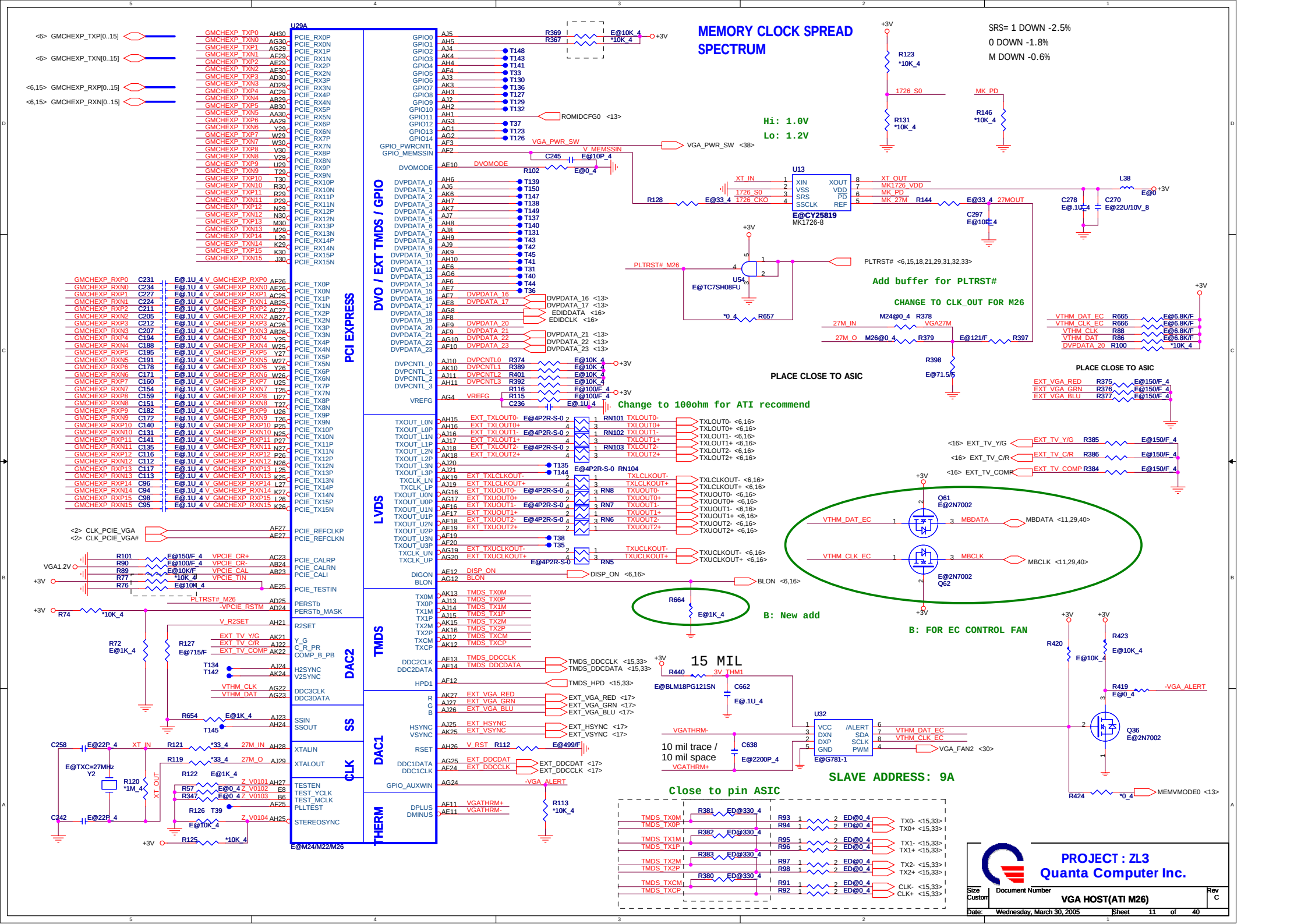


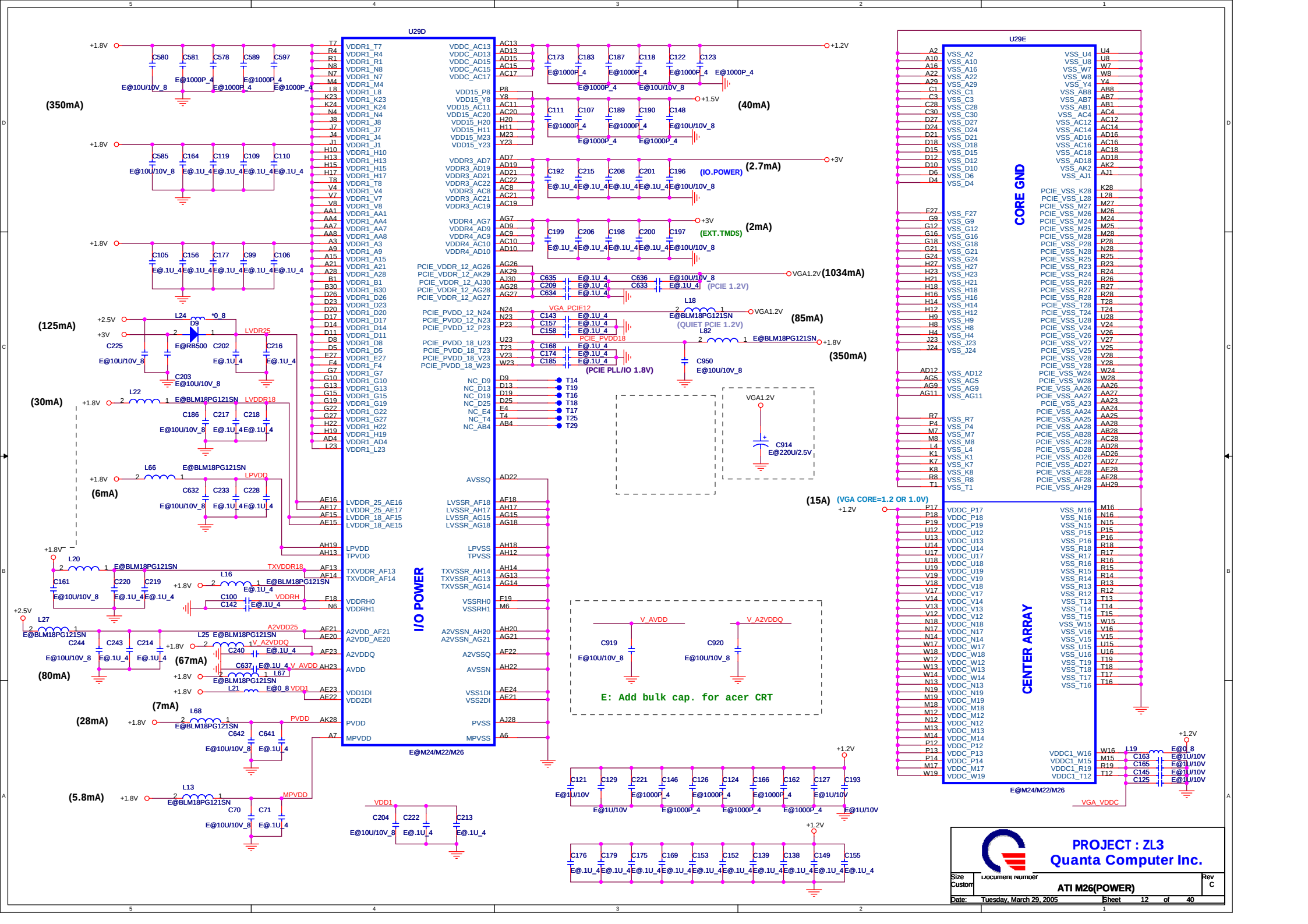
PROJECT : ZL3

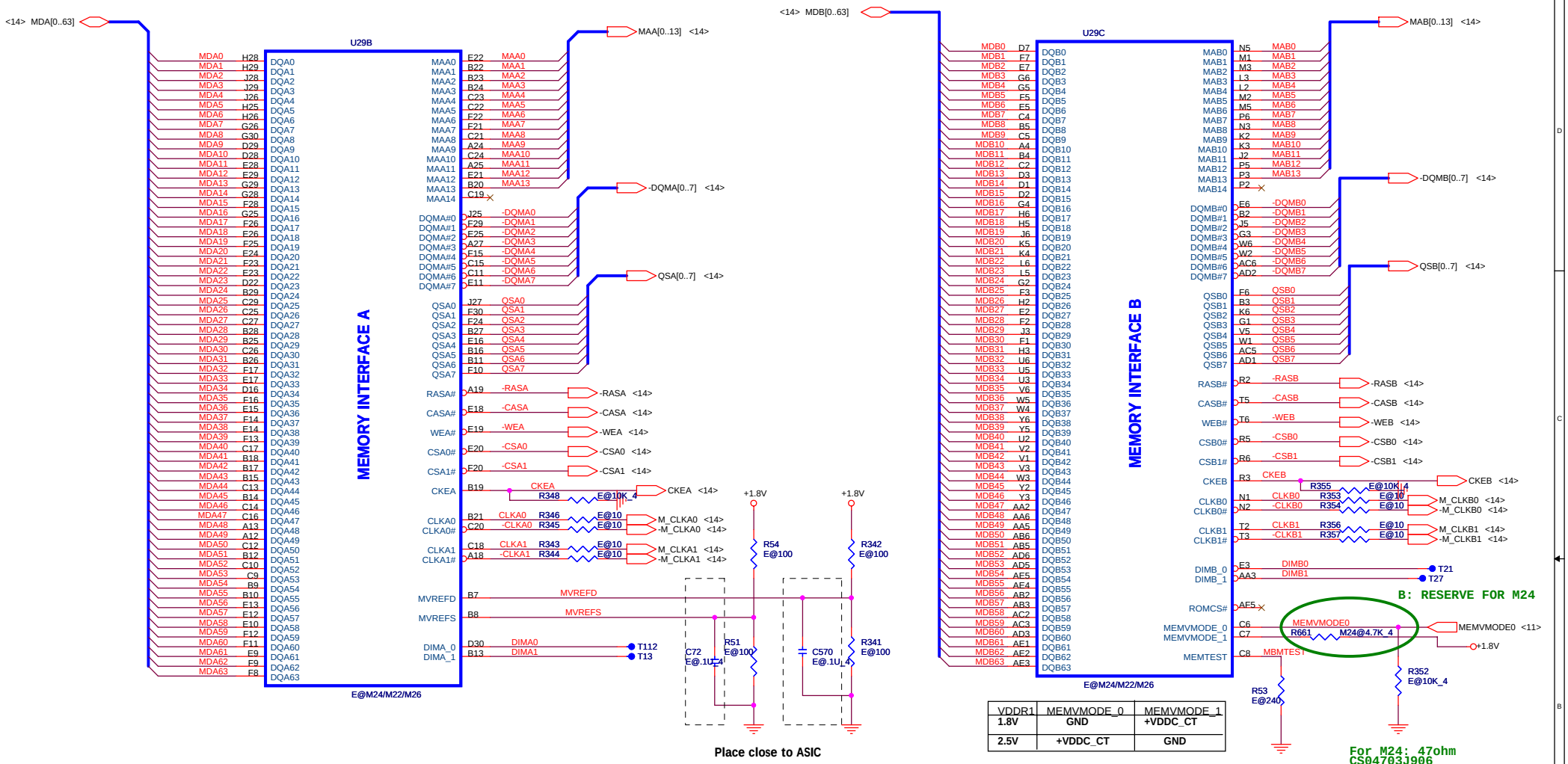
Quanta Computer Inc.

Size	Document Number	Rev
	DDR2 TERMINATION	C

Date: Tuesday, March 29, 2005 Sheet 10 of 40


MEMORY CLOCK SPREAD SPECTRUM
SRS= 1 DOWN -2.5%
0 DOWN -1.8%
M DOWN -0.6%
Hi: 1.0V
Lo: 1.2V
Add buffer for PLTRST#
CHANGE TO CLK_OUT FOR M26
PLACE CLOSE TO ASIC
Change to 100ohm for ATI recommend
B: New add
B: FOR EC CONTROL FAN
15 MIL
10 mil trace / 10 mil space
SLAVE ADDRESS: 9A
Close to pin ASIC
PROJECT : ZL3
Quanta Computer Inc.
VGA HOST(ATI M26)
Wednesday, March 30, 2005
Sheet 11 of 40


U29D
I/O POWER
E@M24/M22/M26
U29E
CORE GND
CENTER ARRAY
E@M24/M22/M26
PROJECT : ZL3
Quanta Computer Inc.
ATI M26(POWER)
Size: Custom
Document Number
Rev: C
Date: Tuesday, March 29, 2005
Sheet 12 of 40
E: Add bulk cap. for acer CRT
(350mA)
(40mA)
(2.7mA)
(2mA)
(1034mA)
(125mA)
(85mA)
(350mA)
(30mA)
(6mA)
(15A)
(VGA CORE=1.2 OR 1.0V)
(67mA)
(80mA)
(7mA)
(28mA)
(5.8mA)
(PCIE 1.2V)
(QUIET PCIE 1.2V)
(PCIE PLL/IO 1.8V)
(IO.POWER)
(EXT.TMDS)

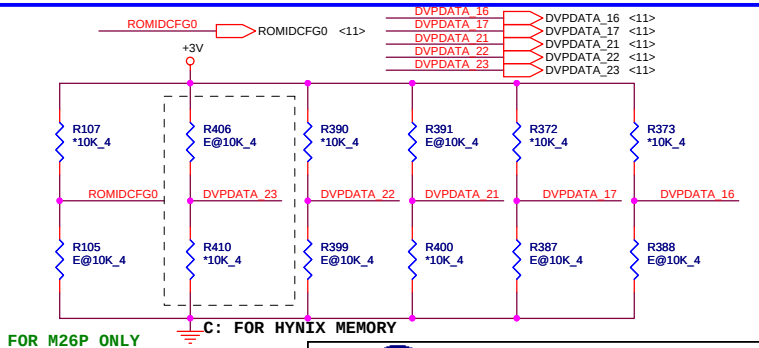


VDDR1	MEMVMODE_0	MEMVMODE_1
1.8V	GND	+VDDC_CT
2.5V	+VDDC_CT	GND

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

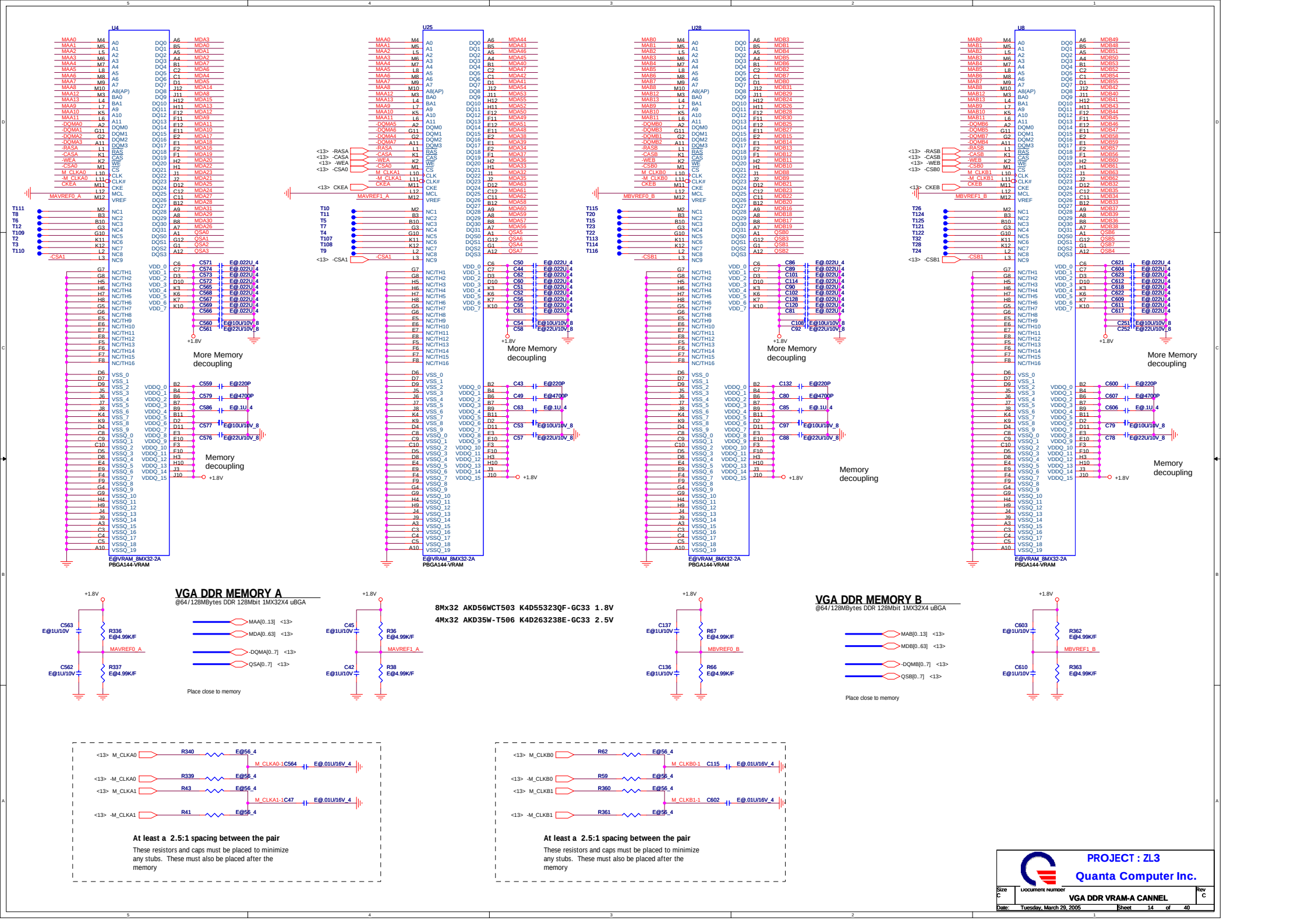
GPIO_6	PCI-Express transmitter current compensation **0: Normal** 1: Inject extra current for output buffer switching
GPIO_8	Strap to set the debug muxes to bting out DEBUG signals even if registers are inaccessible
GPIO(9,13:11) INT P/D	ROMIDCFG **0x0x: No ROM, CHG_ID=0** 0x1x: No Rom, CHG_ID=1 1000: 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

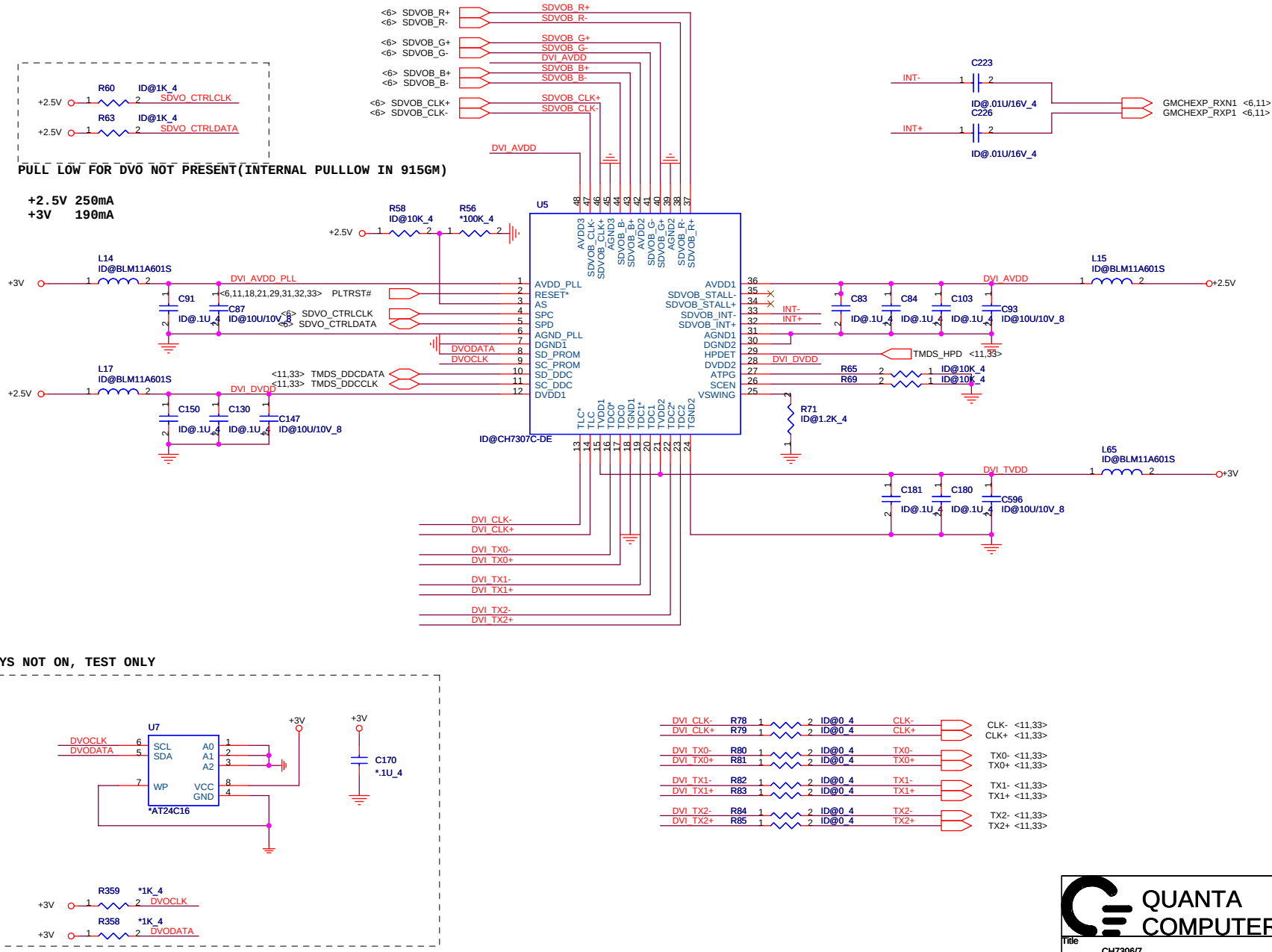


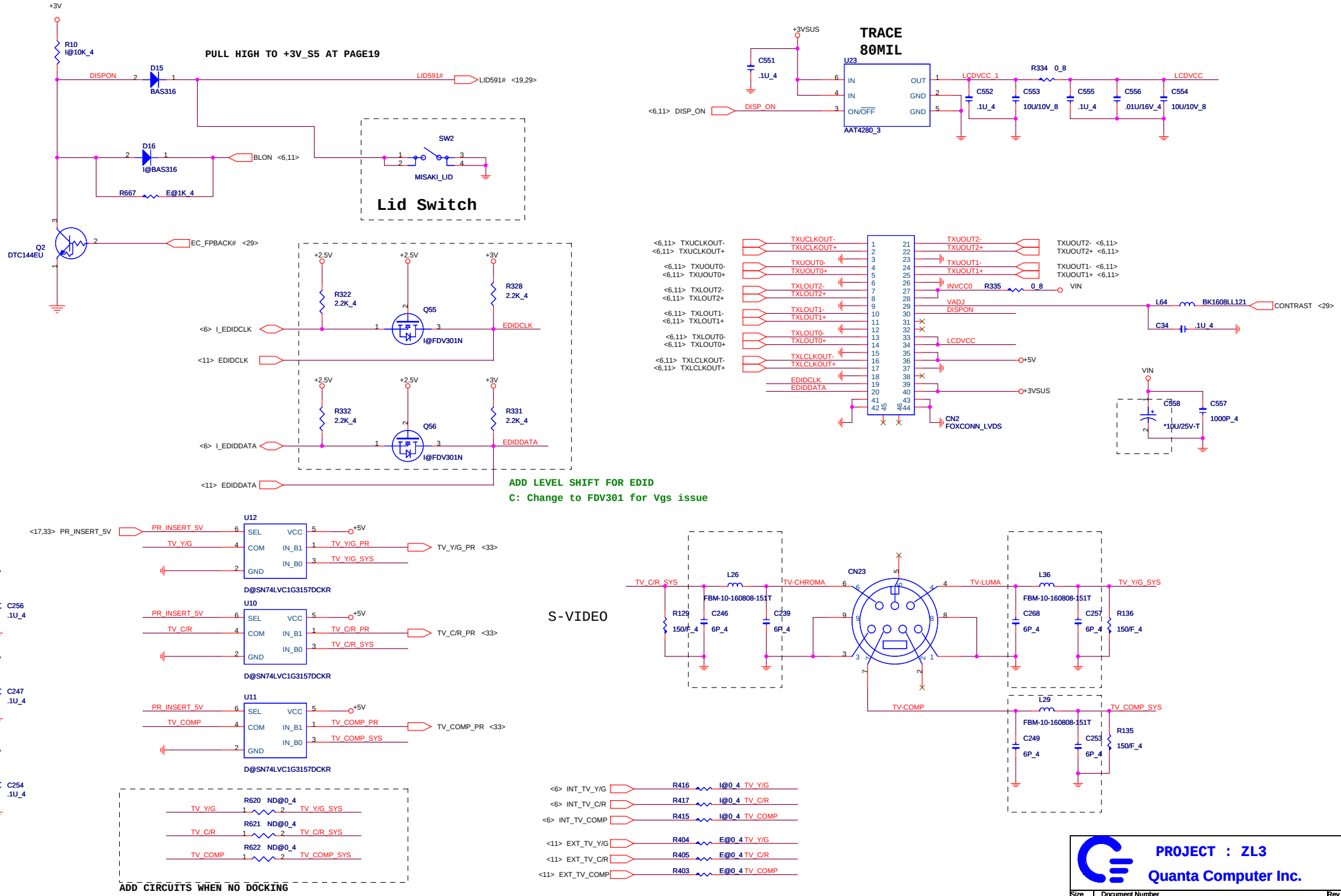
FOR M26P ONLY
0: 128M
1: 256M

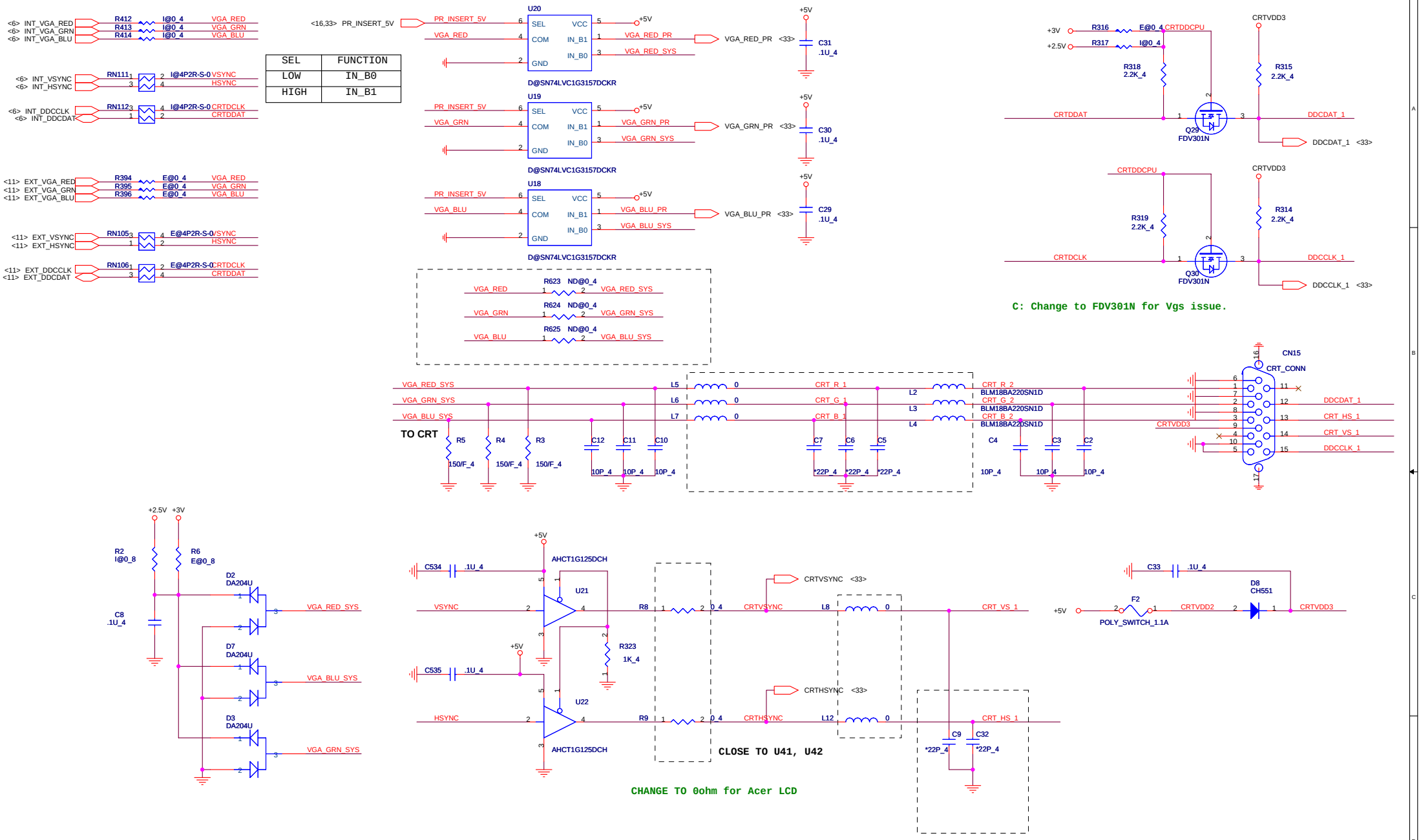
PROJECT :ZL3
Quanta Computer Inc.

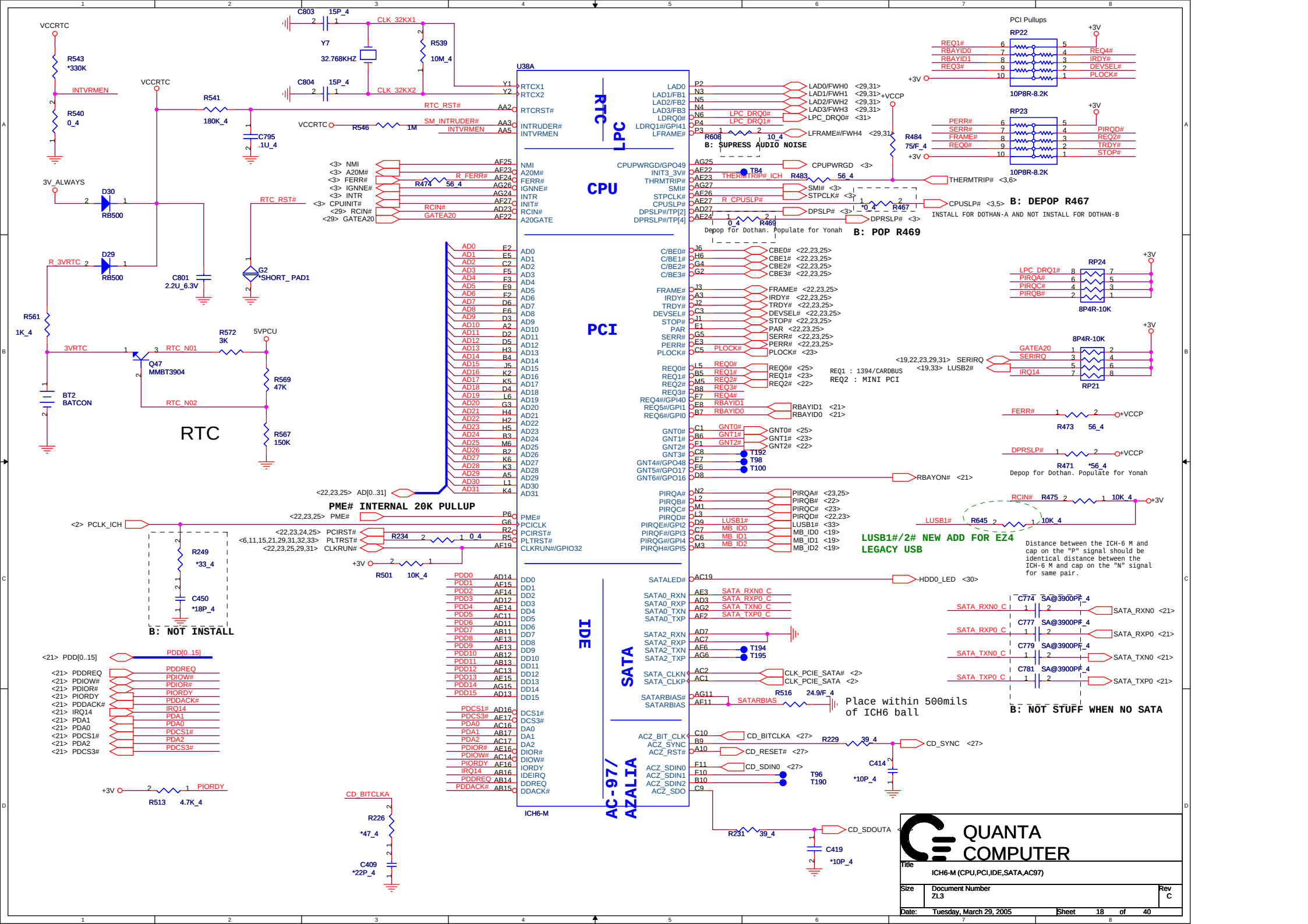
Size	Document Number	Rev
Custom	ATI M26 MEM/STRAPS PIN	C
Date: Tuesday, March 29, 2005	Sheet 13 of 40	

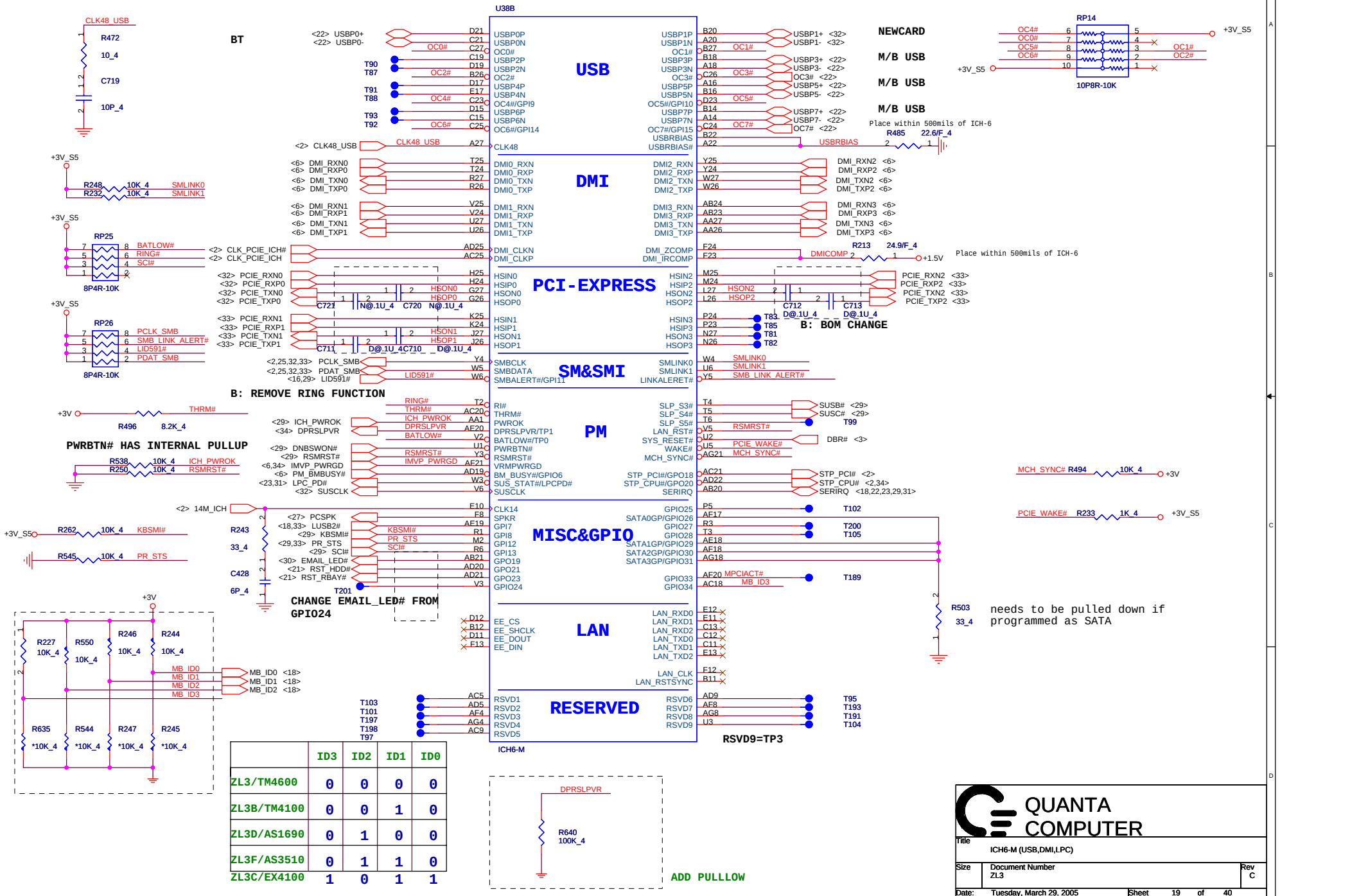

U4
U25
U28
U8
E@VRAM_8MX32-2A
PBGA144-VRAM
More Memory decoupling
Memory decoupling
VGA DDR MEMORY A
@64/128MBytes DDR 128Mbit 1MX32X4 uBGA
8Mx32 AKD56WCT503 K4D55323QF-GC33 1.8V
4Mx32 AKD35W-T506 K4D263238E-GC33 2.5V
VGA DDR MEMORY B
@64/128MBytes DDR 128Mbit 1MX32X4 uBGA
Place close to memory
At least a 2.5:1 spacing between the pair
These resistors and caps must be placed to minimize any stubs. These must also be placed after the memory
PROJECT : ZL3
Quanta Computer Inc.
VGA DDR VRAM-A CANNEL
Size C
Rev C
Date: Tuesday, March 29, 2005
Sheet 14 of 40


PULL LOW FOR DVO NOT PRESENT(INTERNAL PULLLOW IN 915GM)
+2.5V 250mA
+3V 190M
U5
ID@CH7307C-DE
ALWAYS NOT ON, TEST ONLY
U7
*AT24C16
QUANTA COMPUTER
CH7306/7
Document Number
CustomZL3
Tuesday, March 29, 2005
Sheet 15 of 40


PULL HIGH TO +3V_S5 AT PAGE19
Lid Switch
TRACE
80MIL
ADD LEVEL SHIFT FOR EDID
C: Change to FDV301 for Vgs issue
S-VIDEO
ADD CIRCUITS WHEN NO DOCKING
PROJECT : ZL3
Quanta Computer Inc.
DVO CH7011A & RJ45-11 CON
Friday, April 15, 2005


SEL	FUNCTION
LOW	IN_B0
HIGH	IN_B1
C: Change to FDV301N for Vgs issue.
TO CRT
CLOSE TO U41, U42
CHANGE TO 0ohm for Acer LCD
PROJECT : ZL3
Quanta Computer Inc.
CRT & S-VIDEO
Tuesday, March 29, 2005
Sheet 17 of 40

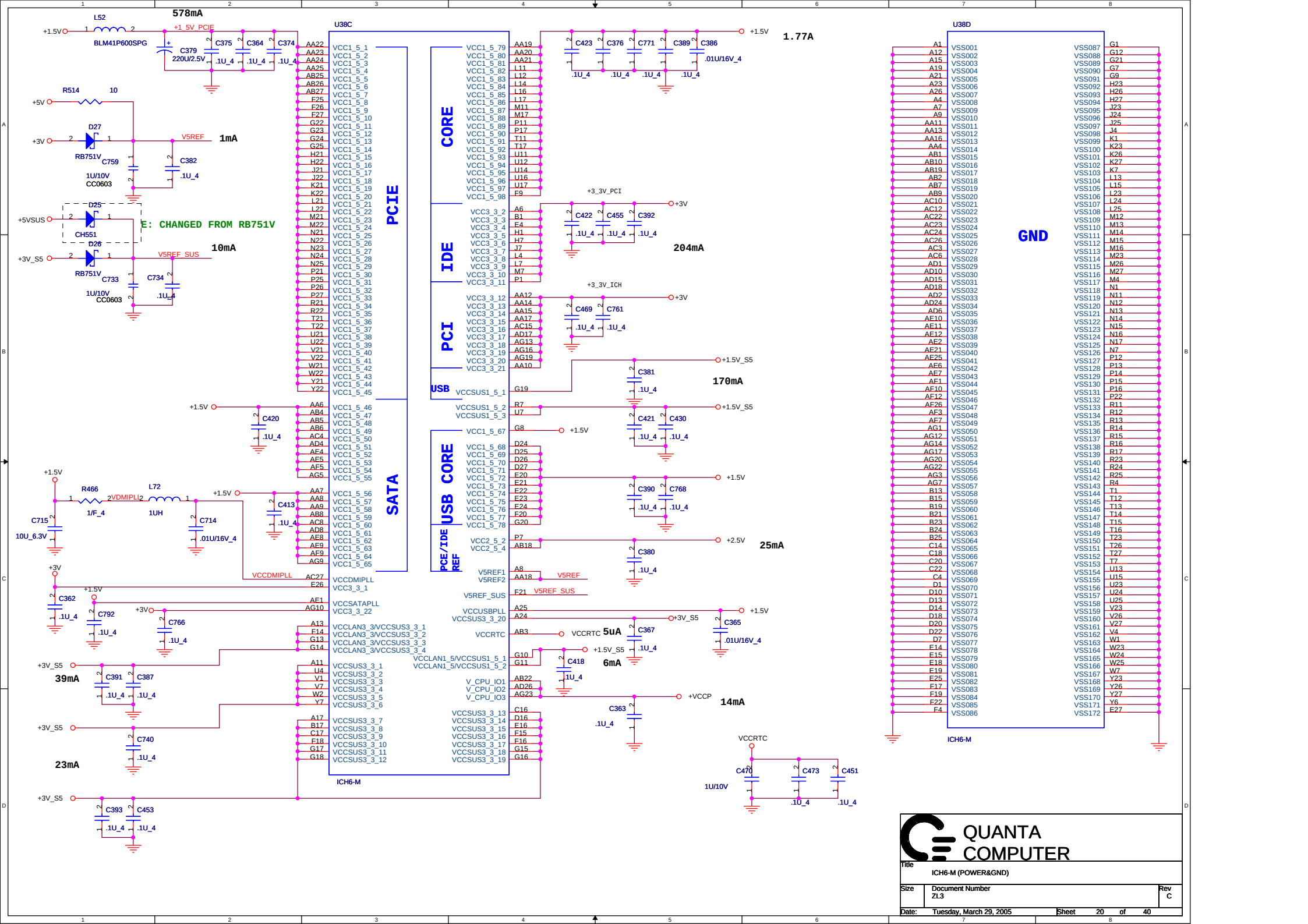

RTC
PME# INTERNAL 20K PULLUP
B: NOT INSTALL
LUSB1#/2# NEW ADD FOR EZ4
LEGACY USB
B: SUPRESS AUDIO NOISE
B: DEPOP R467
INSTALL FOR DOTHAN-A AND NOT INSTALL FOR DOTHAN-B
B: POP R469
Depop for Dothan. Populate for Yonah
Place within 500mils of ICH6 ball
B: NOT STUFF WHEN NO SATA
PCI Pullups
ICH6-M
QUANTA COMPUTER
ICH6-M (CPU,PCI,IDE,SATA,AC97)
ZL3
Tuesday, March 29, 2005
Sheet 18 of 40



	ID3	ID2	ID1	ID0
ZL3/TM4600	0	0	0	0
ZL3B/TM4100	0	0	1	0
ZL3D/AS1690	0	1	0	0
ZL3F/AS3510	0	1	1	0
ZL3C/EX4100	1	0	1	1

QUANTA COMPUTER

Title	ICH6-M (USB,DMI,LPC)	
Size	Document Number ZL3	Rev C
Date: Tuesday, March 29, 2005	Sheet 19 of 40	


578mA
L52
BLM41P600SPG
+1.5V
+1_5V_PCIE
C379
220U/2.5V
C375
C364
C374
.1U_4
U38C
R514
10
+5V
D27
RB751V
+3V
V5REF
1mA
C759
1U/10V
CC0603
C382
D25
+5VSUS
E: CHANGED FROM RB751V
CH551
D26
+3V_S5
V5REF_SUS
10mA
C733
C734
PCIE
IDE
PCI
USB
CORE
USB CORE
SATA
PCE/IDE REF
CORE
1.77A
C423
C376
C771
C389
C386
.01U/16V_4
+3_3V_PCI
C422
C455
C392
204mA
+3_3V_ICH
C469
C761
170mA
C381
C421
C430
C390
C768
25mA
C380
5uA
C367
C365
6mA
C418
14mA
C363
+VCCP
VCCRTC
C470
C473
C451
R466
1/F_4
L72
1UH
VDMIPLL
C715
10U_6.3V
C714
C413
C420
VCCDMIPLL
C362
C792
C766
39mA
C391
C387
23mA
C740
C393
C453
ICH6-M
U38D
GND
VSS001
VSS002
VSS003
VSS004
VSS005
VSS006
VSS007
VSS008
VSS009
VSS010
VSS011
VSS012
VSS013
VSS014
VSS015
VSS016
VSS017
VSS018
VSS019
VSS020
VSS021
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VSS152
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VSS156
VSS157
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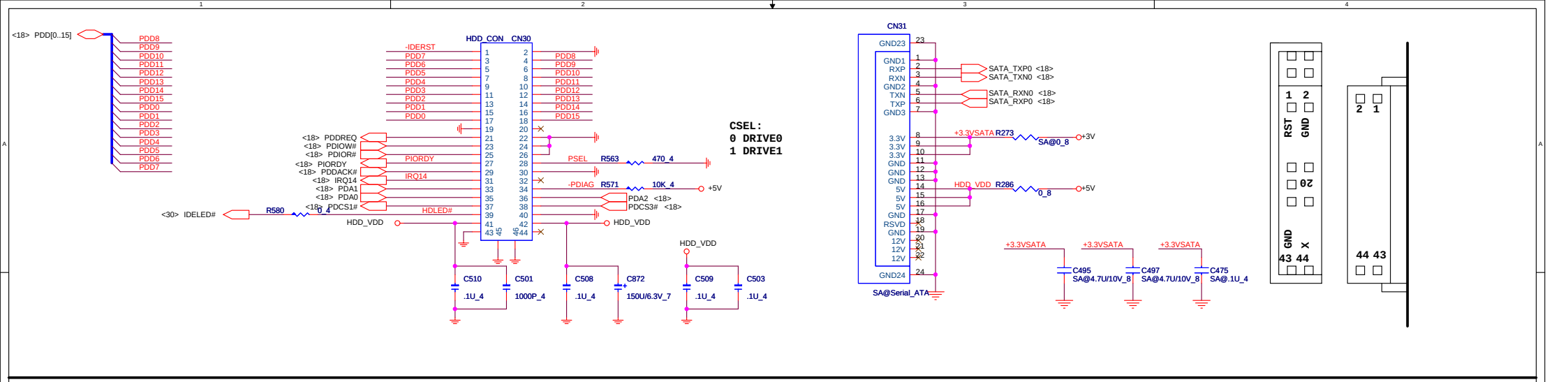
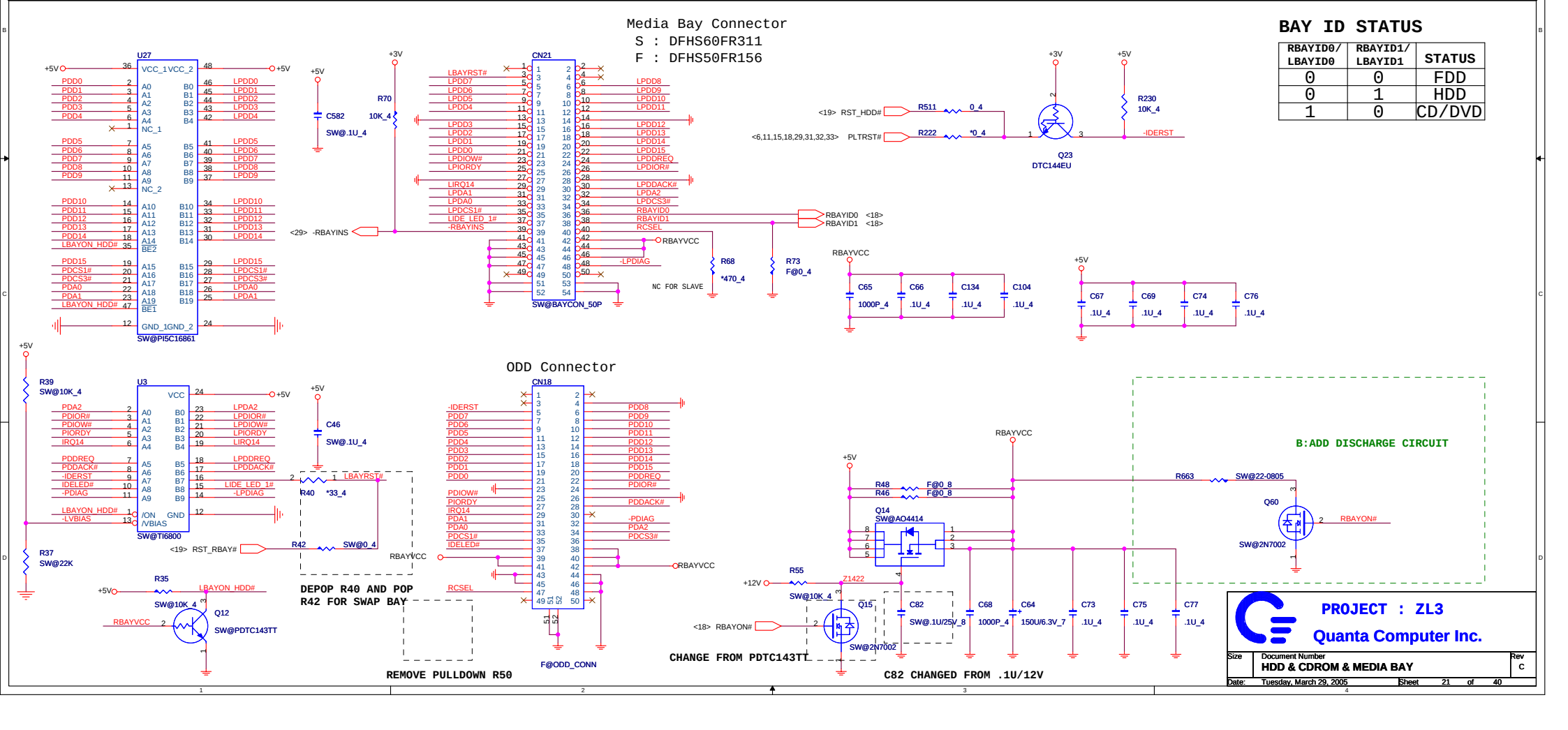
VSS159
VSS160
VSS161
VSS162
VSS163
VSS164
VSS165
VSS166
VSS167
VSS168
VSS169
VSS170
VSS171
VSS172
ICH6-M
QUANTA COMPUTER
Title
ICH6-M (POWER&GND)
Size
Document Number
ZL3
Rev
C
Date:
Tuesday, March 29, 2005
Sheet
20
of
40





BAY ID STATUS

RBAYID0/ LBAYID0	RBAYID1/ LBAYID1	STATUS
0	0	FDD
0	1	HDD
1	0	CD/DVD

PROJECT : ZL3

Quanta Computer Inc.

Size	Document Number	Rev
	HDD & CDROM & MEDIA BAY	C

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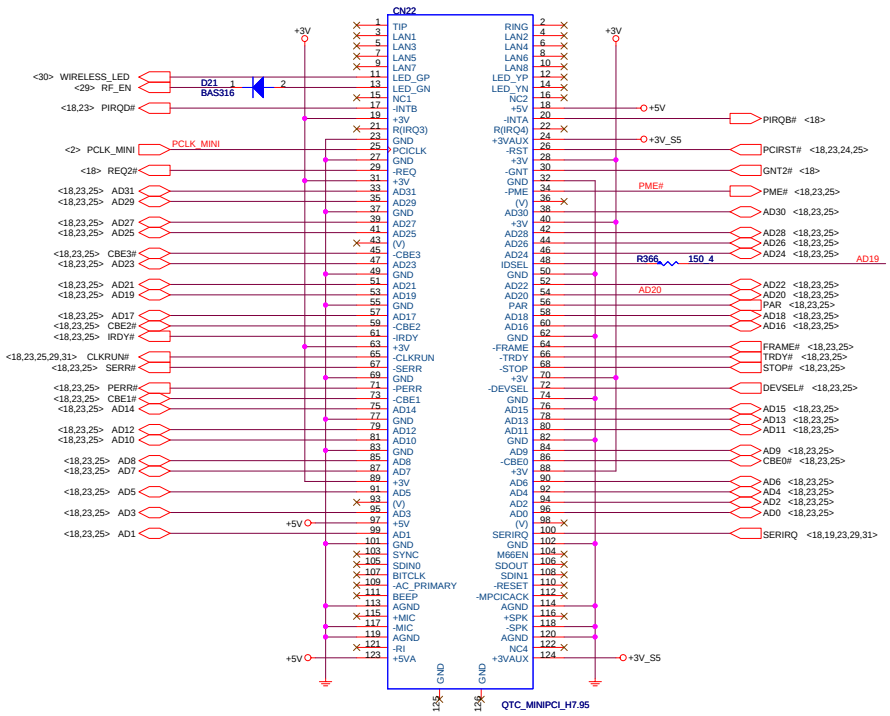
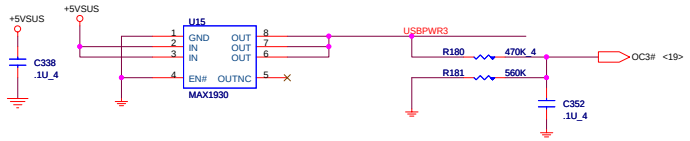
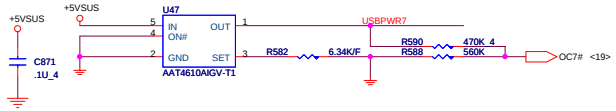
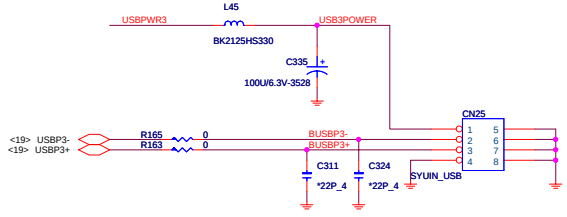
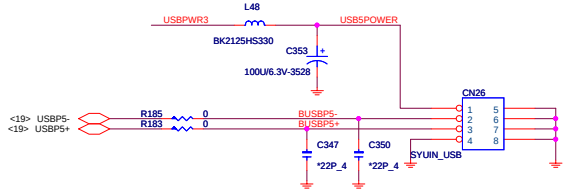
MINI-PCI

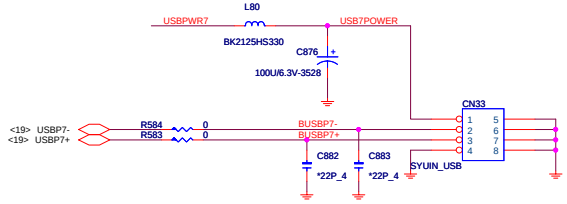


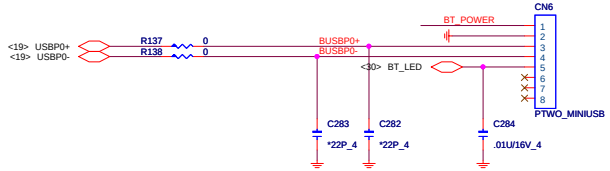


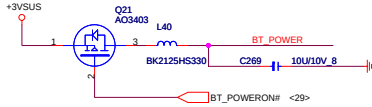




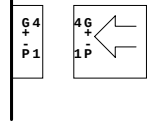




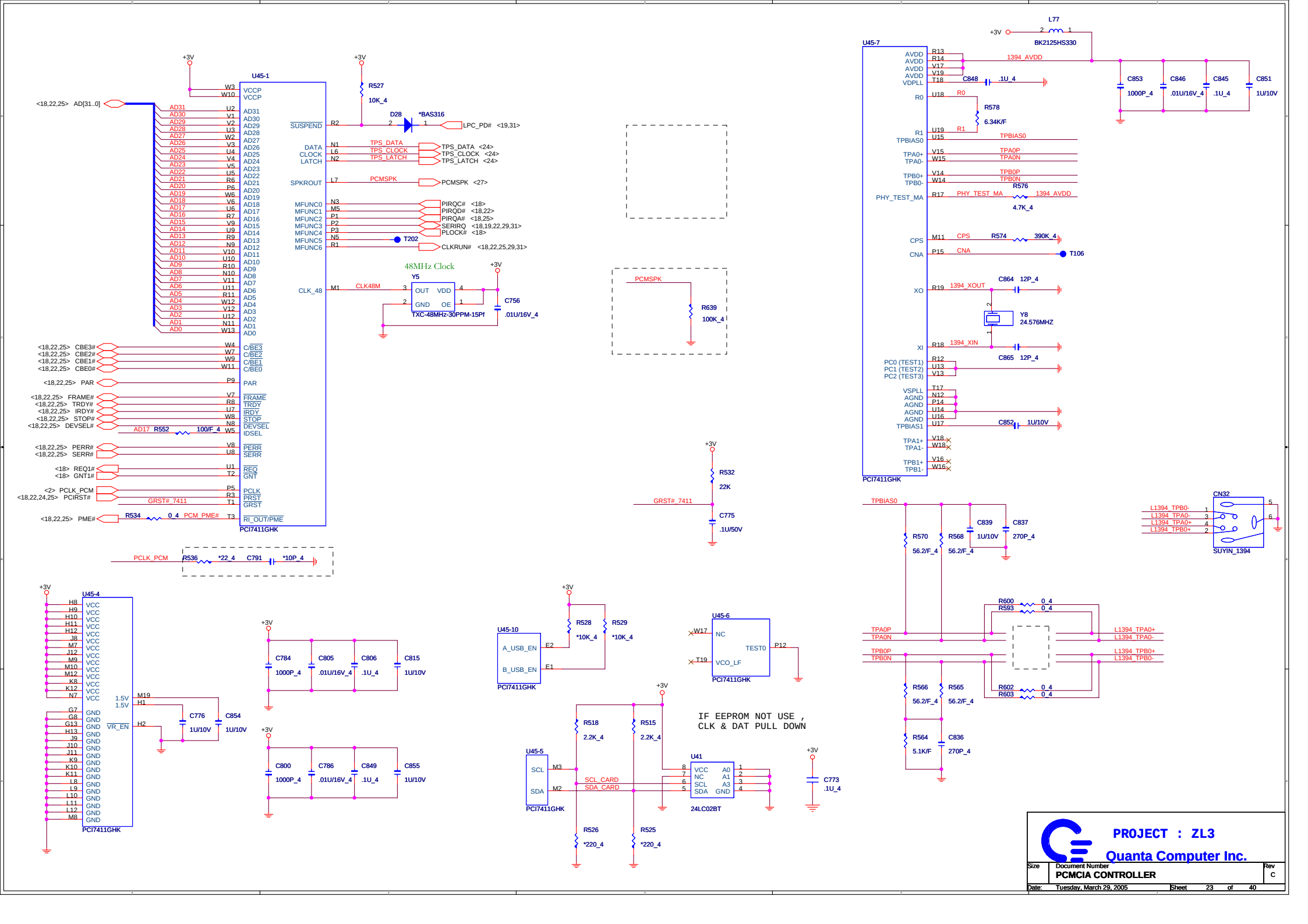




BOT



PROJECT : ZL3		
Quanta Computer Inc.		
Size	Document Number: MINI PCI,USB	Rev: C
Date: Thursday, March 31, 2005	Sheet 22 of 40	

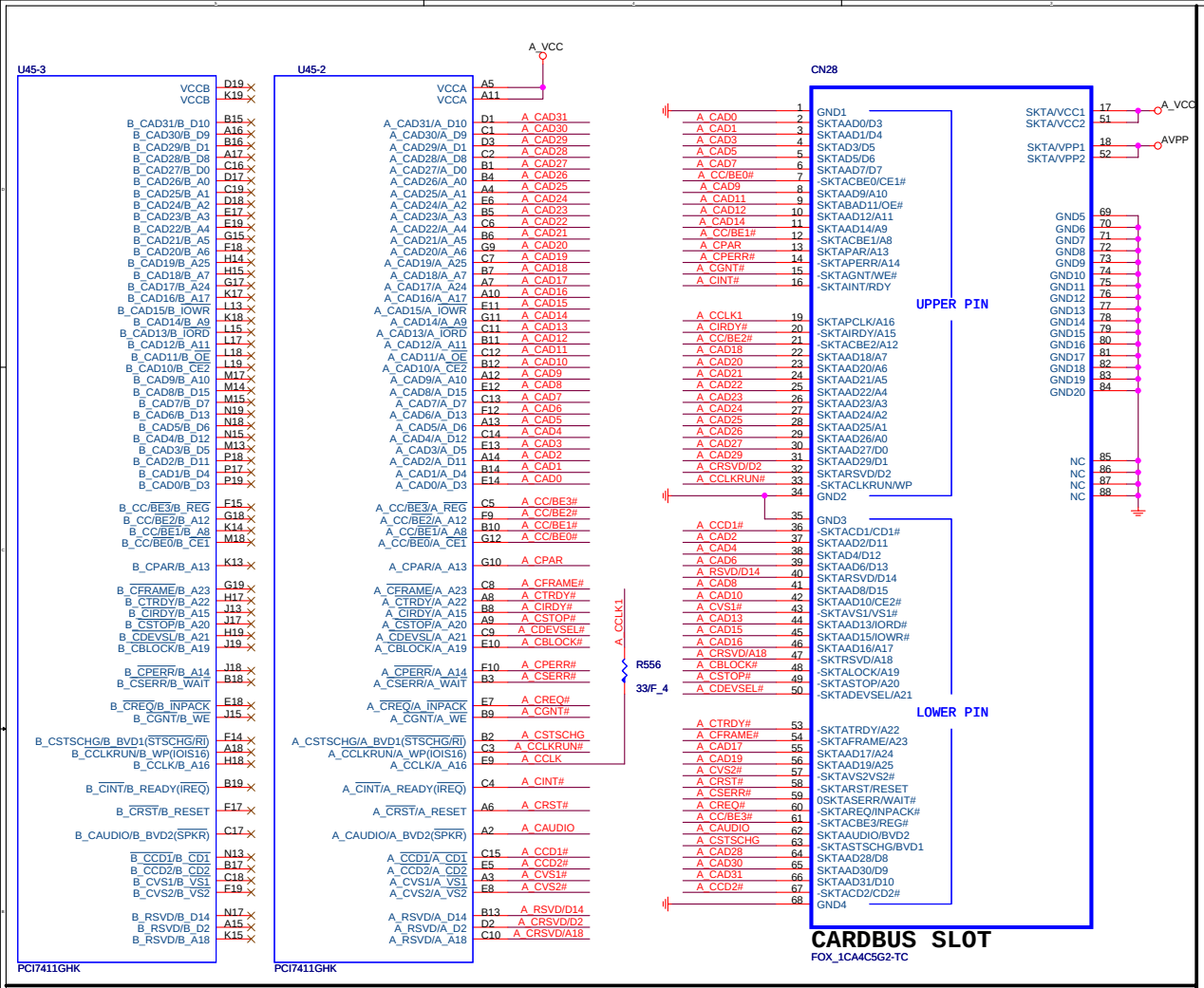


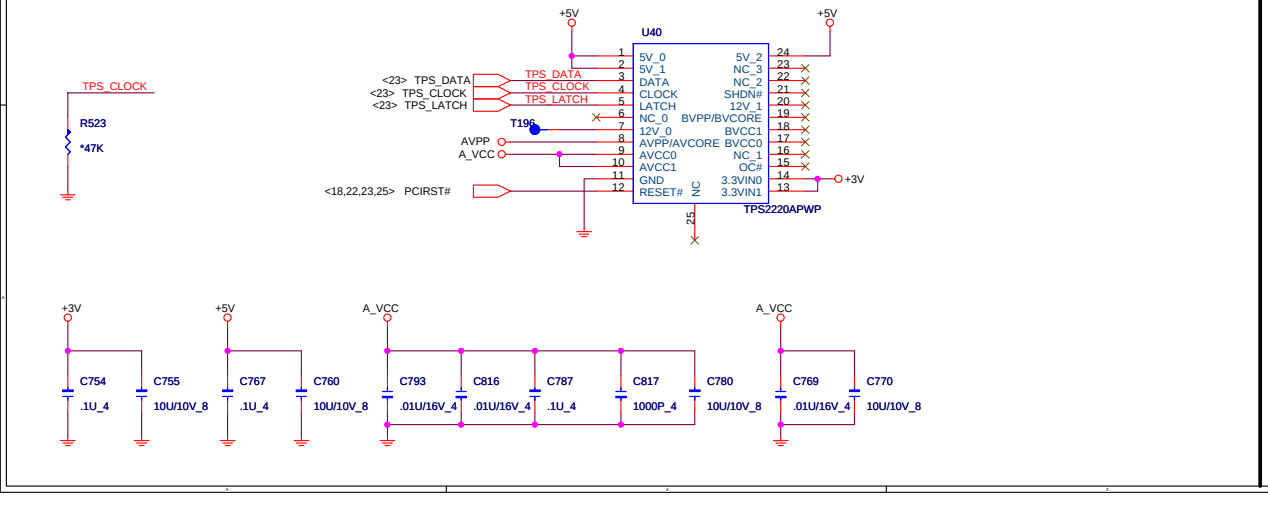
PROJECT : ZL3

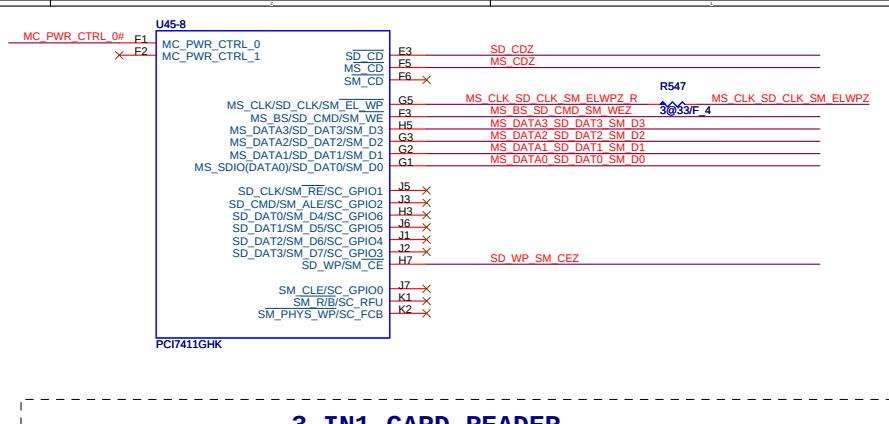
Quanta Computer Inc.

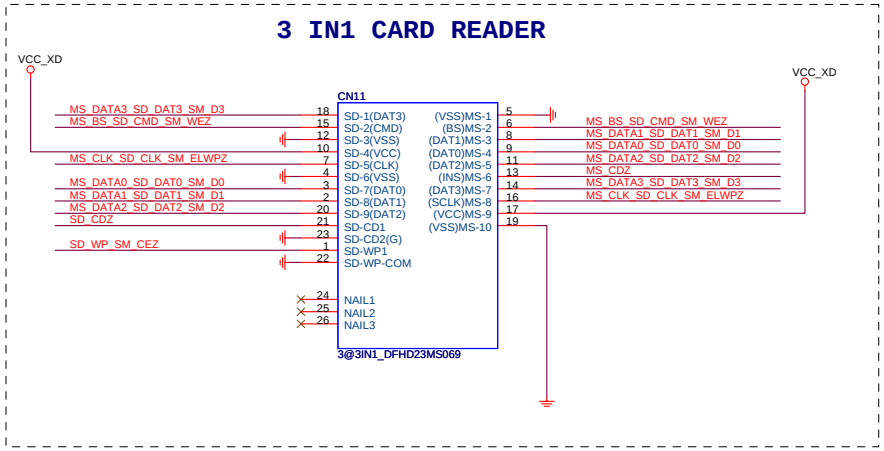
Size	Document Number	Rev
	PCMCIA CONTROLLER	C

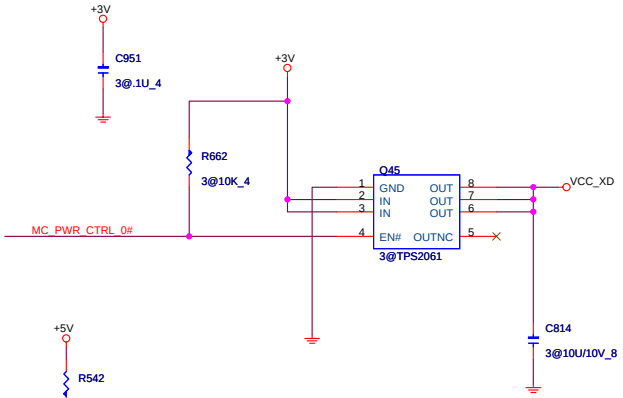
Date: Tuesday, March 29, 2005 Sheet 23 of 40

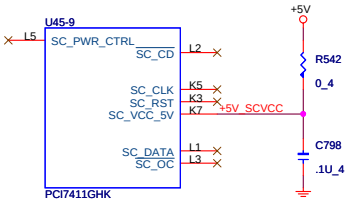












PROJECT : ZL3

Quanta Computer Inc.

Size	Document Number	Rev
	PCMCIA & 3 IN 1	C

Date: Tuesday, March 29, 2005 Sheet 24 of 40

FOR 10/100
FOR GIGA

Voltage Rail	4401	5702	5705M
VDDIO_PCI	3V_S5	+3V	+3V
+3V_2.5V_LAN	3.3V	2.5V	2.5V
+1.8V_1.2V_LAN	1.8V	1.2V	1.2V

15mm x 15mm
BGA196

@BCM4401/5788

U42

ALWAYS USE -100MBPS

4401 1.27K

10mils

40mils

40mils 2.5V@88mA 0.564W

40mils 1.2V@618mA 0.803W

1.5" AWAY FROM CHIP
Use Philips BCP69-16, hfe=75~275

BCM4401 is for 10/100(1.8)
BCM5702 is for giga
BCM5705M is for giga cost-down(12)

PROJECT : ZL3
Quanta Computer Inc.

Size	Document Number	Rev
	BCM4401/5705M LAN	C

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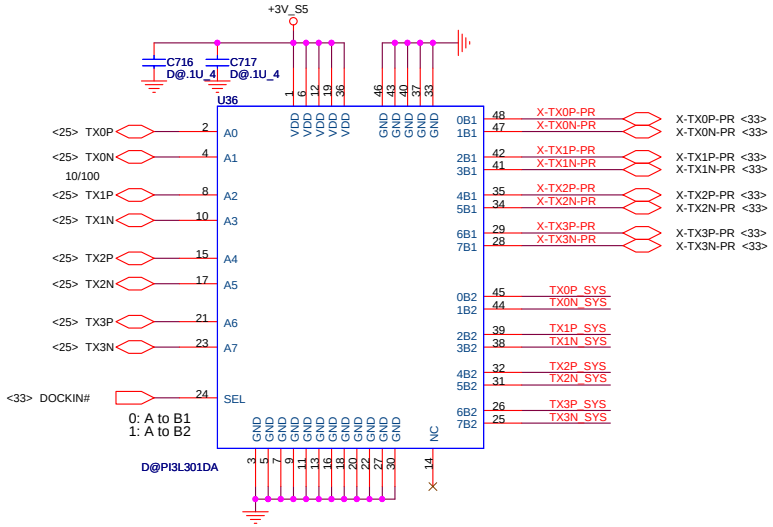
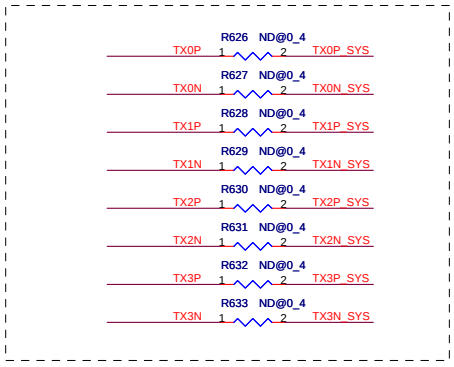
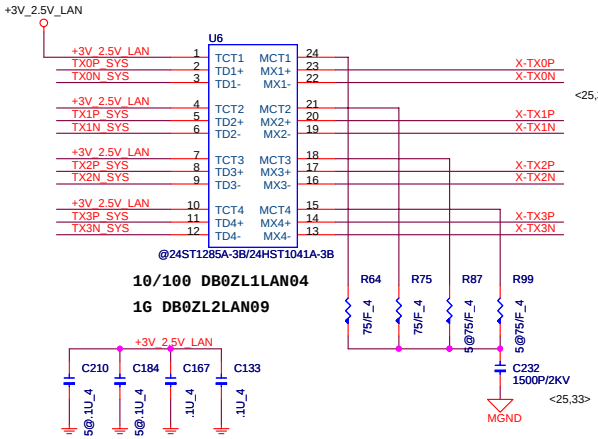
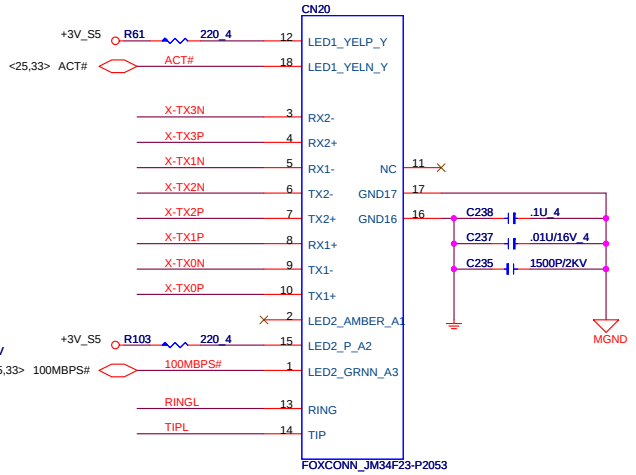
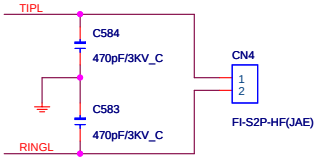




ADD CIRCUITS WHEN NO DOCKING





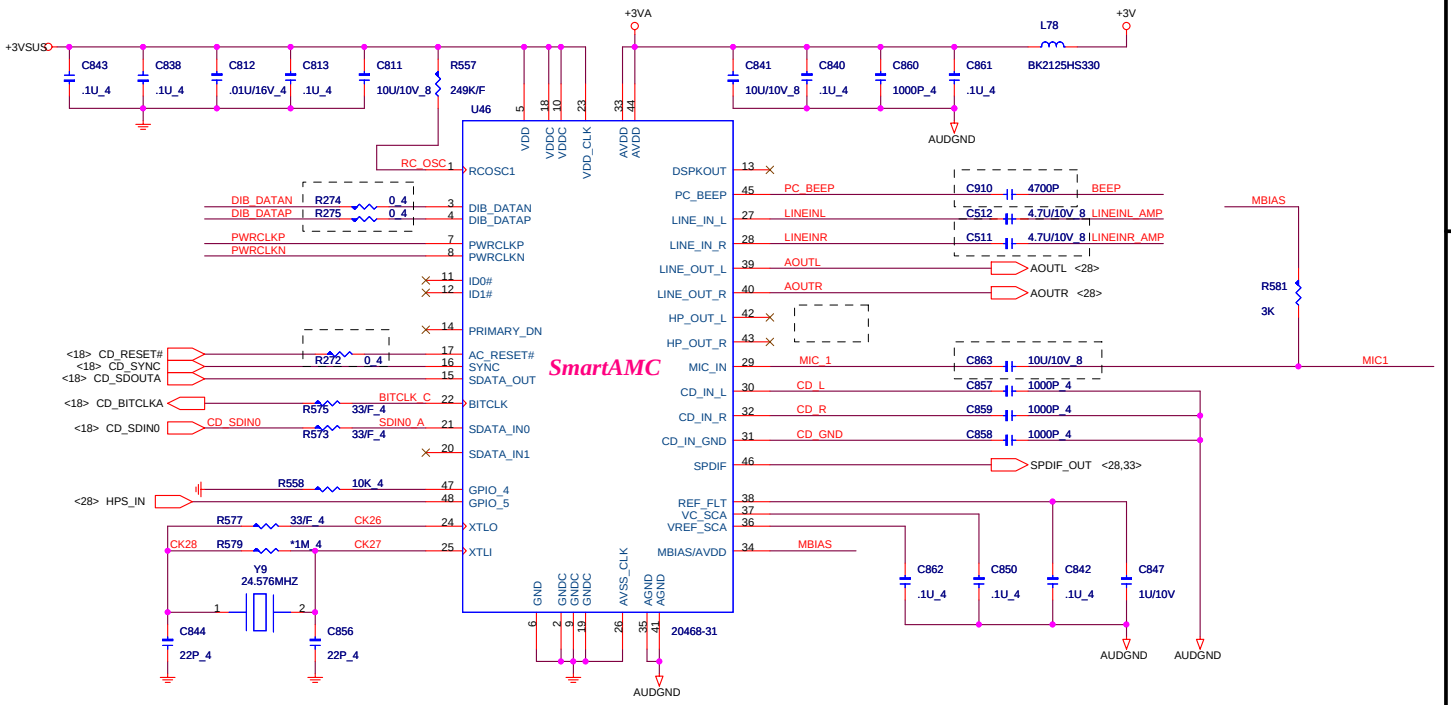


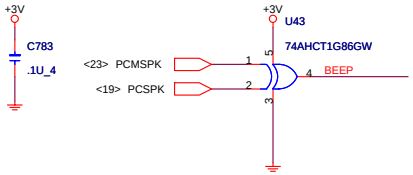
PROJECT : ZL3

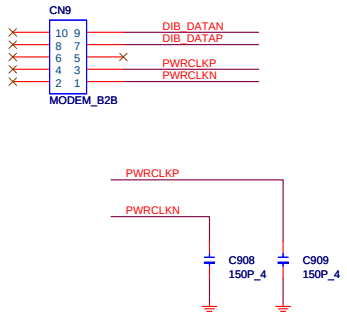
Quanta Computer Inc.

Size	Document Number	Rev
	DVO CH7011A & RJ45-11 CON	C
Date: Tuesday, March 29, 2005	Sheet 26 of 40	

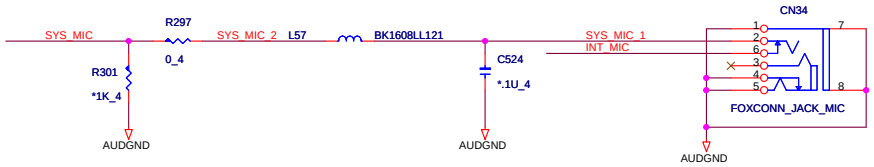
The AMC20463-004 modem is used for mother board family MBAMC20463-004.

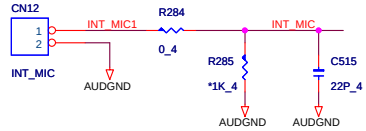


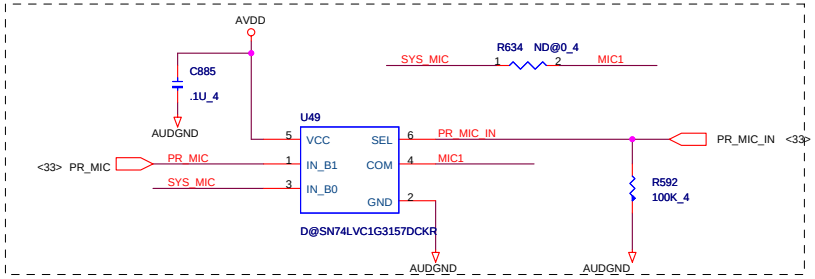




MIC

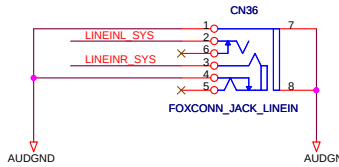


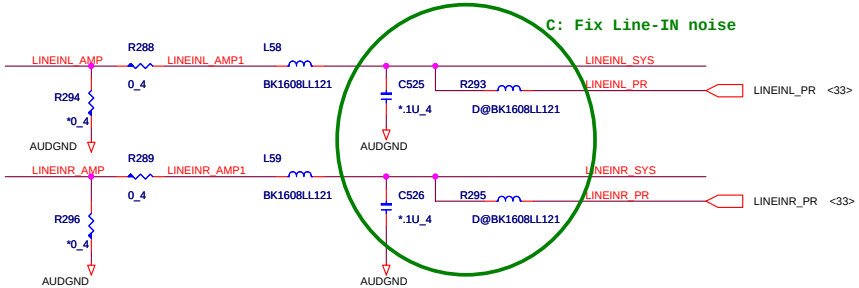




SEL	FUNCTION
LOW	IN_B0
HIGH	IN_B1

LINE IN





PROJECT : ZL3

Quanta Computer Inc.

Size	Document Number	Rev
	AUDIO	C

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GAIN1	SPKR MODE	HP MODE
0	10.5	3
1	9	0

AVDD
R587 *1K_4
GAIN1
R589 1K_4
AUDGND

AMP POWER

+5V
R279 *100K
D14 *BAS316
+12V
U17A *LM358ADR
R277 *10_4
C504 *100P_4
R278 *100K
R276 *3.3M
C505 *1U/10V
U17B *LM358ADR
Q27 *AO4414
C513 .1U/16V_4
C517 10U/10V_8
C514 .1U/16V_4
C518 10U/10V_8
C516 10U/10V_8
R292 0_8
R302 0_8
TO AUDIO
AVDD
AUDGND

C519 .01U/16V_4
C529 1000P_4
C520 .01U/16V_4
C528 1000P_4
C530 100P_4
C527 100P_4
AUDGND

R290 0
R291 0
R287 0
AUDGND

PAD34 EMIPAD142X91
PAD35 EMIPAD142X91
PAD36 *EMIPAD142X91
PAD37 EMIPAD142X91

AVDD
C875 .1U_4
AUDGND
C874 1U/10V
C866 .1U_4
AUDGND
R282 100K
R283 1K_4
<27> AOUTL
C867 1U/10V
<27> AOUTR
C873 1U/10V
R281 1K_4
R280 100K
AUDGND
U48
INL
INR
NC
NC
GAIN_SEL
GND
/SHDN
VBIAS
VDD
HPVDD
C1P
C1N
CPVDD
CPGND
CPVSS
VSS
HPS
HPL
HPR
OUTL+
OUTL-
OUTR-
OUTR+
PVDDL
PGNDL
PVDDR
PGNDR
MAX9755AETI
HPS
SPKL
SPKR
INSPKL+
INSPKL-
INSPKR-
INSPKR+
D33 BAS316
HPS_PLUGIN
U50 SN74AHC1G32DCKR
R601 100K
SPKPLG
HPSENCE_PR <33>
R594 100K
AUDGND AUDGND
R591 10K_4
GAIN1
AUDGND
MUTE
<29> AMP_MUTE#
D32 BAS316
C888 1U/10V
Q28 *2N7002
HPSENCE_PR
AUDGND
C877 1U/10V
AUDGND
AUDGND
C886 .1U_4
C884 10U/10V_8
C868 .1U_4
C869 10U/10V_8
AUDGND
AVDD
C890 .1U_4

R312 0
R313 0
R311 0
AUDGND

SPEAKER CON.

INSPKR+ L56 BK1608LL121 INSPKR+N
INSPKR- L55 BK1608LL121 INSPKR-N
C878 *.1U_4
C879 *.1U_4
AUDGND
CN13
R_L_SPEAKERS
REV:B MODIFY FOR EMI
R586 0
R585 0
C887 .1U_4
C870 1000P_4
AUDGND
INSPKL+ L54 BK1608LL121 INSPKL+N
INSPKL- L53 BK1608LL121 INSPKL-N
C881 *.1U_4
C880 *.1U_4
AUDGND AUDGND

SPKL R303 470_4
SPKL1 L61 BK1608LL121
SPKL_SYS
SPKL_SYS <33>
R299 1K_4
C522 470P_4
AUDGND AUDGND
SPKR R300 470_4
SPKR1 L60 BK1608LL121
SPKR_SYS
SPKR_SYS <33>
R298 1K_4
C523 470P_4
AUDGND AUDGND

LINE OUT&SPDIF

CN35
SPKPLG-
SPKL_SYS
SPKR_SYS
AUDGND
+5V
C916 .1U_4
Drive IC
LED
FOX=2F11381-TJ1-TR
AUDGND

AVDD
SPKPLG
R637 1K/F
Q54 2N7002
SPKPLG-
AUDGND
D34 DA204U
+5V
F: NEW ADD FOR ESD
CLOSE TO CN35

+3V
R646 10K_4
+5V
R647 1K_4
<27,33> SPDIF_OUT
Q59 MMBT3904
C917 *.1U_4
Q58 2N7002
SPKPLG-
C: Change to 2N7002

+3V
R555 100K
D31 BAS316
<27> HPS_IN
HPS_IN
HPS_PLUGIN

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Quanta Computer Inc.

Size	Document Number	Rev
	AUDIO AMP	C
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LDRQ#(pin 8) internal is no use

Should have a 0.1uF capacitor close to every GND-VCC pair + one larger cap on the supply.

SHBM=1: Enable shared memory with host BIOS

BADDR1-0	I/O Address	
	Index	Data
0 0	2E	2F
0 1	4E	4F
1 0	(HCFGBAH, HCFGBAL)	(HCFGBAH, HCFGBAL)+1
1 1	Reserved	

REV:C MODIFY

If Pin 24 is not pull-high, System will not able to boot.

INTERNAL PULLUP IN SB

FOR 97551 ONLY

BIU configuration should match flash speed used

PROJECT : ZL3

Quanta Computer Inc.

Size	Document Number	Rev
	97551 & FLASH	C

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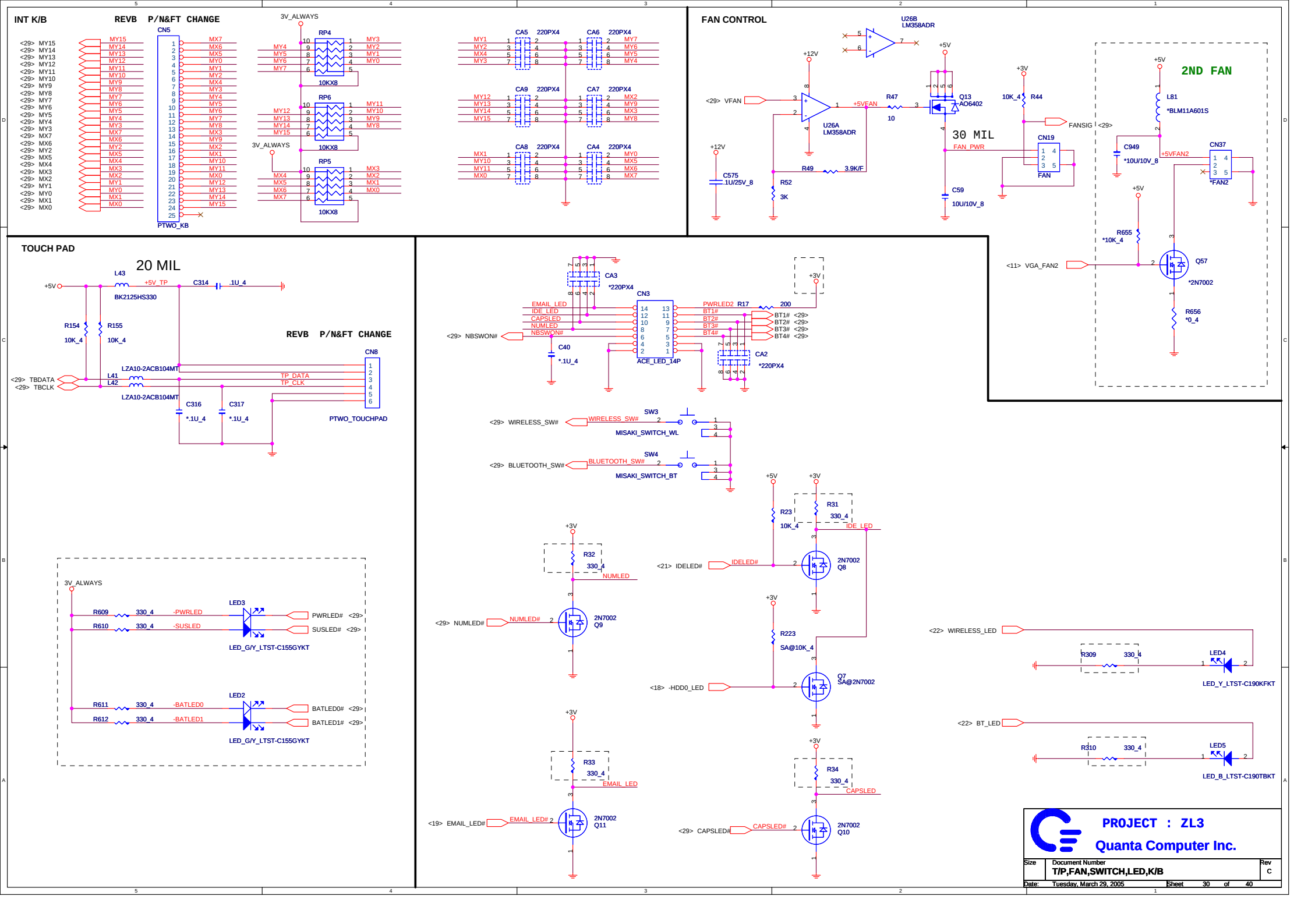
INT K/B
REVB P/N&FT CHANGE
CN5
PTWO_KB
RP4
RP6
RP5
10KX8
3V_ALWAYS
CA5 220PX4
CA6 220PX4
CA9 220PX4
CA7 220PX4
CA8 220PX4
CA4 220PX4
FAN CONTROL
U26B LM358ADR
U26A LM358ADR
Q13 AO6402
30 MIL
FAN_PWR
CN19
FAN
2ND FAN
L81 *BLM11A601S
CN37
*FAN2
C575 .1U/25V_8
R52 3K
R49 3.9K/F
R47 10
C59 10U/10V_8
C949 *10U/10V_8
R44 10K_4
R655 *10K_4
R656 *0_4
Q57 *2N7002
TOUCH PAD
20 MIL
L43 BK2125HS330
C314 .1U_4
R154 10K_4
R155 10K_4
LZA10-2ACB104MT
L41
L42
C316 *.1U_4
C317 *.1U_4
CN8
PTWO_TOUCHPAD
REVB P/N&FT CHANGE
CA3 *220PX4
CN3
ACE_LED_14P
CA2 *220PX4
C40 *.1U_4
R17 200
SW3 MISAKI_SWITCH_WL
SW4 MISAKI_SWITCH_BT
LED3 LED_G/Y_LTST-C155GYKT
LED2 LED_G/Y_LTST-C155GYKT
R609 330_4
R610 330_4
R611 330_4
R612 330_4
R23 10K_4
R31 330_4
R32 330_4
R223 SA@10K_4
R33 330_4
R34 330_4
Q8 2N7002
Q9 2N7002
Q7 SA@2N7002
Q11 2N7002
Q10 2N7002
LED4 LED_Y_LTST-C190KFKT
LED5 LED_B_LTST-C190TBKT
R309 330_4
R310 330_4
PROJECT : ZL3
Quanta Computer Inc.
Document Number
T/P,FAN,SWITCH,LED,K/B
Rev C
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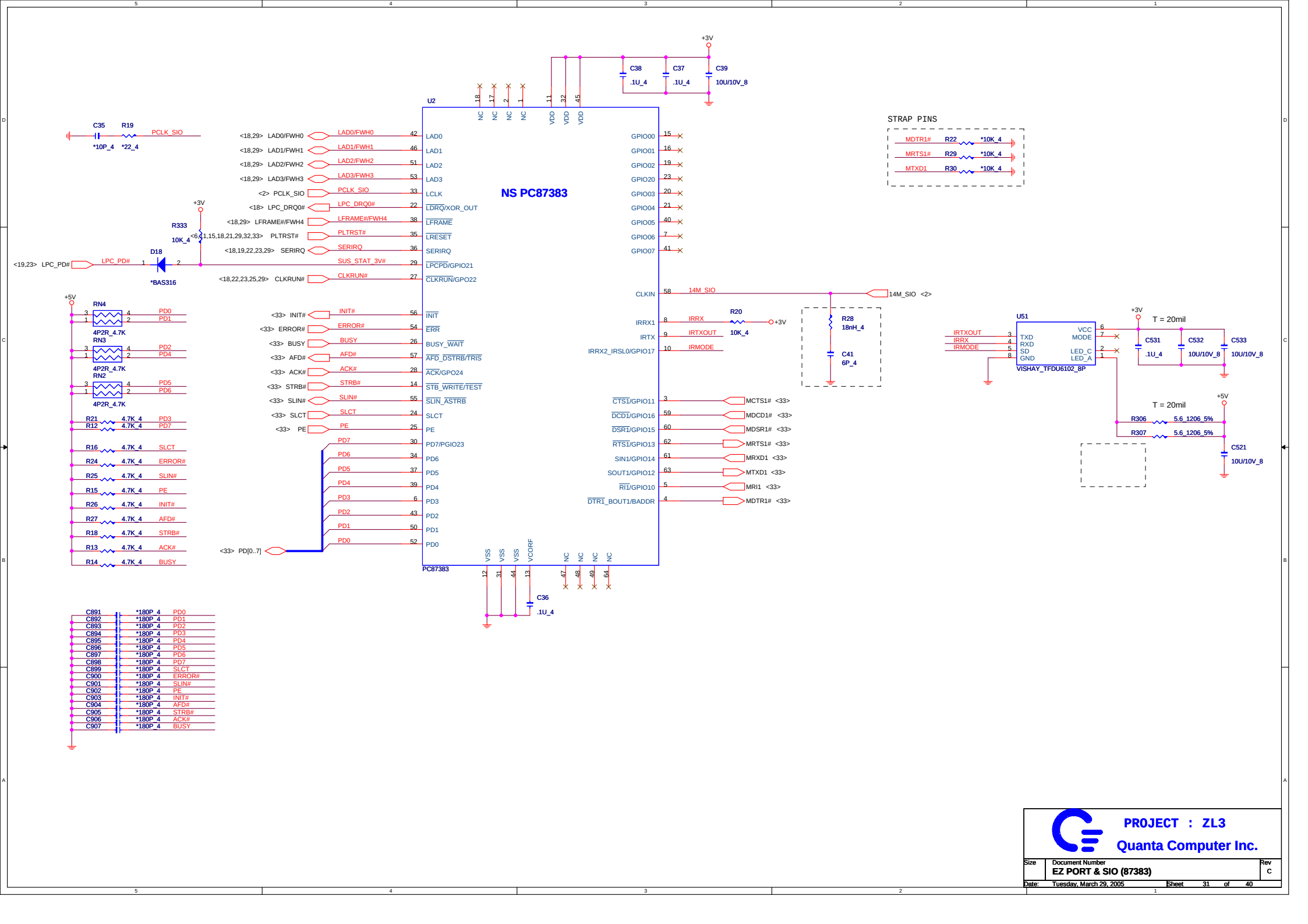
U2
NS PC87383
PC87383
STRAP PINS
MDTR1# R22 *10K_4
MRTS1# R29 *10K_4
MTXD1 R30 *10K_4
C35 R19 PCLK_SIO
*10P_4 *22_4
R333 10K_4
D18 *BAS316
RN4 4P2R_4.7K
RN3 4P2R_4.7K
RN2 4P2R_4.7K
R21 4.7K_4 PD3
R12 4.7K_4 PD7
R16 4.7K_4 SLCT
R24 4.7K_4 ERROR#
R25 4.7K_4 SLIN#
R15 4.7K_4 PE
R26 4.7K_4 INIT#
R27 4.7K_4 AFD#
R18 4.7K_4 STRB#
R13 4.7K_4 ACK#
R14 4.7K_4 BUSY
C38 .1U_4
C37 .1U_4
C39 10U/10V_8
C36 .1U_4
R20 10K_4
R28 18nH_4
C41 6P_4
U51 VISHAY_TFDU6102_8P
C531 .1U_4
C532 10U/10V_8
C533 10U/10V_8
C521 10U/10V_8
R306 5.6_1206_5%
R307 5.6_1206_5%
T = 20mil
T = 20mil
C891 *180P_4 PD0
C892 *180P_4 PD1
C893 *180P_4 PD2
C894 *180P_4 PD3
C895 *180P_4 PD4
C896 *180P_4 PD5
C897 *180P_4 PD6
C898 *180P_4 PD7
C899 *180P_4 SLCT
C900 *180P_4 ERROR#
C901 *180P_4 SLIN#
C902 *180P_4 PE
C903 *180P_4 INIT#
C904 *180P_4 AFD#
C905 *180P_4 STRB#
C906 *180P_4 ACK#
C907 *180P_4 BUSY
PROJECT : ZL3
Quanta Computer Inc.
Size
Document Number
EZ PORT & SIO (87383)
Rev
C
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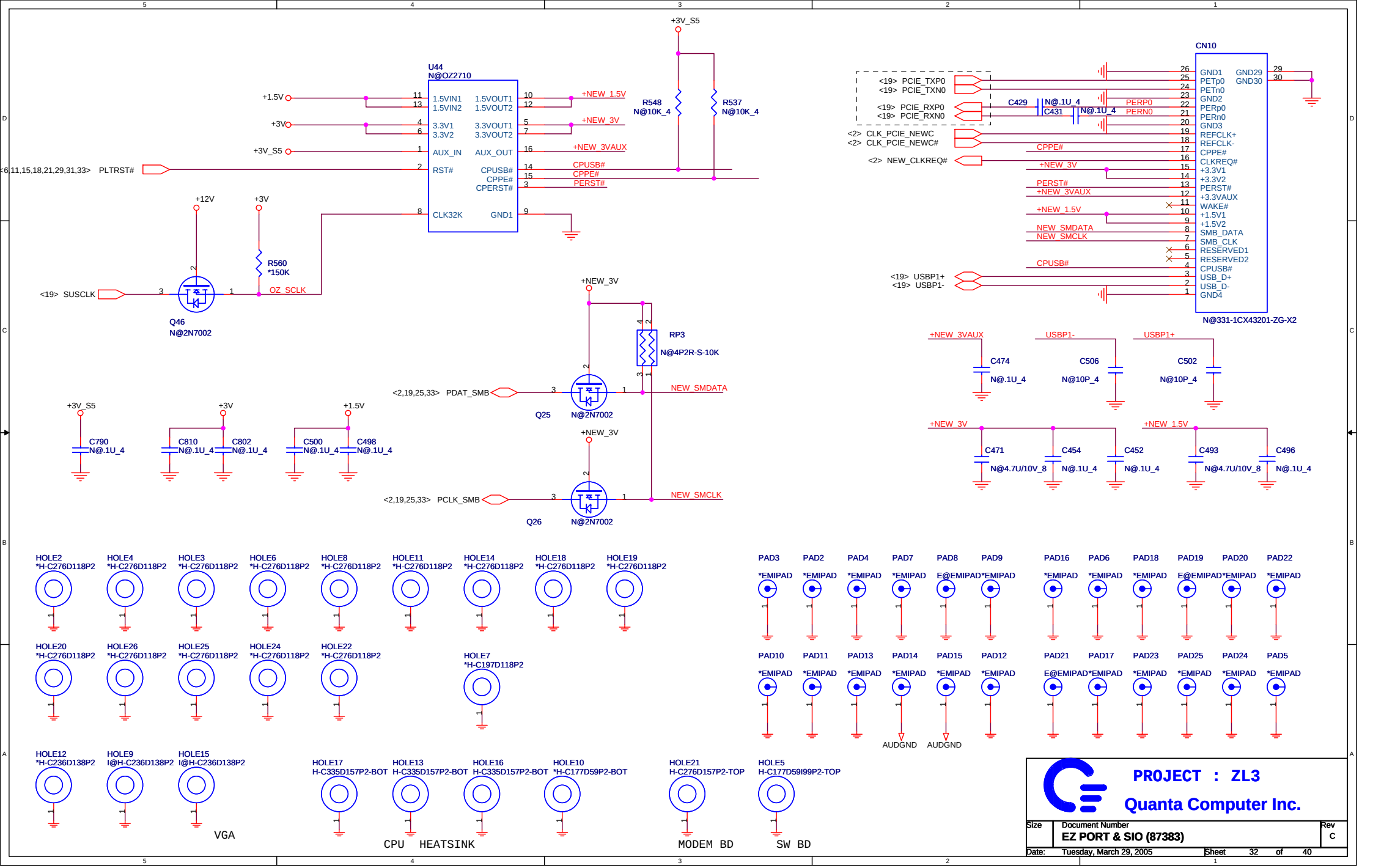
U44
N@OZ2710
1.5VIN1
1.5VIN2
3.3V1
3.3V2
AUX_IN
RST#
CLK32K
1.5VOUT1
1.5VOUT2
3.3VOUT1
3.3VOUT2
AUX_OUT
CPUSB#
CPPE#
CPERST#
GND1
+1.5V
+3V
+3V_S5
+12V
+NEW_1.5V
+NEW_3V
+NEW_3VAUX
R548
N@10K_4
R537
N@10K_4
<6,11,15,18,21,29,31,33> PLTRST#
<19> SUSCLK
R560
*150K
OZ_SCLK
Q46
N@2N7002
+NEW_3V
RP3
N@4P2R-S-10K
<2,19,25,33> PDAT_SMB
NEW_SMDATA
Q25
N@2N7002
<2,19,25,33> PCLK_SMB
NEW_SMCLK
Q26
N@2N7002
C790
N@.1U_4
C810
N@.1U_4
C802
N@.1U_4
C500
N@.1U_4
C498
N@.1U_4
CN10
<19> PCIE_TXP0
<19> PCIE_TXN0
<19> PCIE_RXP0
<19> PCIE_RXN0
C429
N@.1U_4
C431
N@.1U_4
PERP0
PERN0
<2> CLK_PCIE_NEWC
<2> CLK_PCIE_NEWC#
<2> NEW_CLKREQ#
CPPE#
+NEW_3V
PERST#
+NEW_3VAUX
+NEW_1.5V
NEW_SMDATA
NEW_SMCLK
CPUSB#
<19> USBP1+
<19> USBP1-
GND1
PETp0
PETn0
GND2
PERp0
PERn0
GND3
REFCLK+
REFCLK-
CPPE#
CLKREQ#
+3.3V1
+3.3V2
PERST#
+3.3VAUX
WAKE#
+1.5V1
+1.5V2
SMB_DATA
SMB_CLK
RESERVED1
RESERVED2
CPUSB#
USB_D+
USB_D-
GND4
GND29
GND30
N@331-1CX43201-ZG-X2
+NEW_3VAUX
USBP1-
USBP1+
C474
N@.1U_4
C506
N@10P_4
C502
N@10P_4
+NEW_3V
+NEW_1.5V
C471
N@4.7U/10V_8
C454
N@.1U_4
C452
N@.1U_4
C493
N@4.7U/10V_8
C496
N@.1U_4
HOLE2 *H-C276D118P2
HOLE4 *H-C276D118P2
HOLE3 *H-C276D118P2
HOLE6 *H-C276D118P2
HOLE8 *H-C276D118P2
HOLE11 *H-C276D118P2
HOLE14 *H-C276D118P2
HOLE18 *H-C276D118P2
HOLE19 *H-C276D118P2
HOLE20 *H-C276D118P2
HOLE26 *H-C276D118P2
HOLE25 *H-C276D118P2
HOLE24 *H-C276D118P2
HOLE22 *H-C276D118P2
HOLE7 *H-C197D118P2
HOLE12 *H-C236D138P2
HOLE9 I@H-C236D138P2
HOLE15 I@H-C236D138P2
VGA
HOLE17 H-C335D157P2-BOT
HOLE13 H-C335D157P2-BOT
HOLE16 H-C335D157P2-BOT
HOLE10 *H-C177D59P2-BOT
CPU HEATSINK
HOLE21 H-C276D157P2-TOP
MODEM BD
HOLE5 H-C177D59I99P2-TOP
SW BD
PAD3 *EMIPAD
PAD2 *EMIPAD
PAD4 *EMIPAD
PAD7 *EMIPAD
PAD8 E@EMIPAD
PAD9 *EMIPAD
PAD16 *EMIPAD
PAD6 *EMIPAD
PAD18 *EMIPAD
PAD19 E@EMIPAD
PAD20 *EMIPAD
PAD22 *EMIPAD
PAD10 *EMIPAD
PAD11 *EMIPAD
PAD13 *EMIPAD
PAD14 *EMIPAD
PAD15 *EMIPAD
PAD12 *EMIPAD
AUDGND
AUDGND
PAD21 E@EMIPAD
PAD17 *EMIPAD
PAD23 *EMIPAD
PAD25 *EMIPAD
PAD24 *EMIPAD
PAD5 *EMIPAD
PROJECT : ZL3
Quanta Computer Inc.
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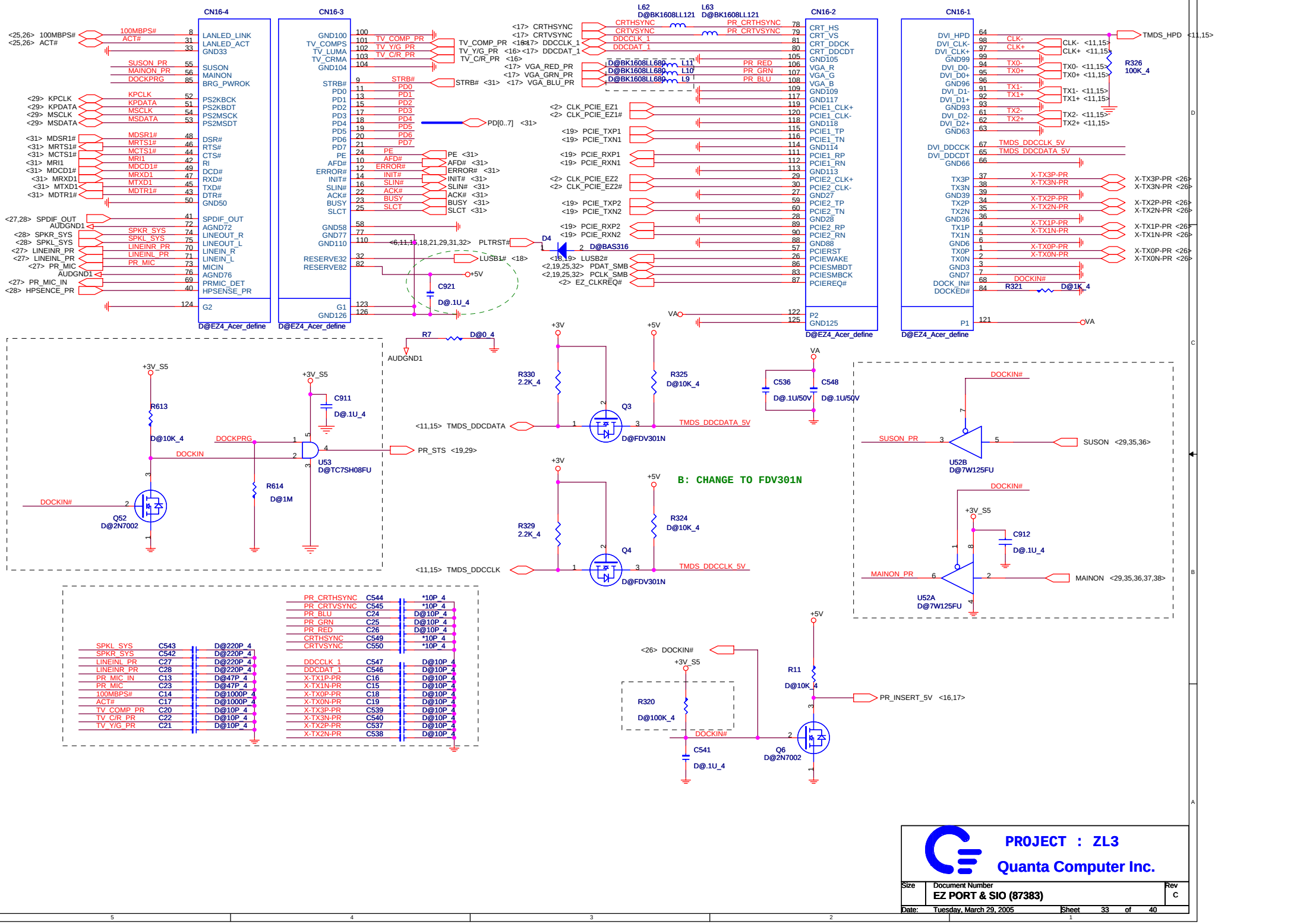
CN16-4
CN16-3
L62 D@BK1608LL121
L63 D@BK1608LL121
CN16-2
CN16-1
D@EZ4_Acer_define
B: CHANGE TO FDV301N
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Quanta Computer Inc.
EZ PORT & SIO (87383)
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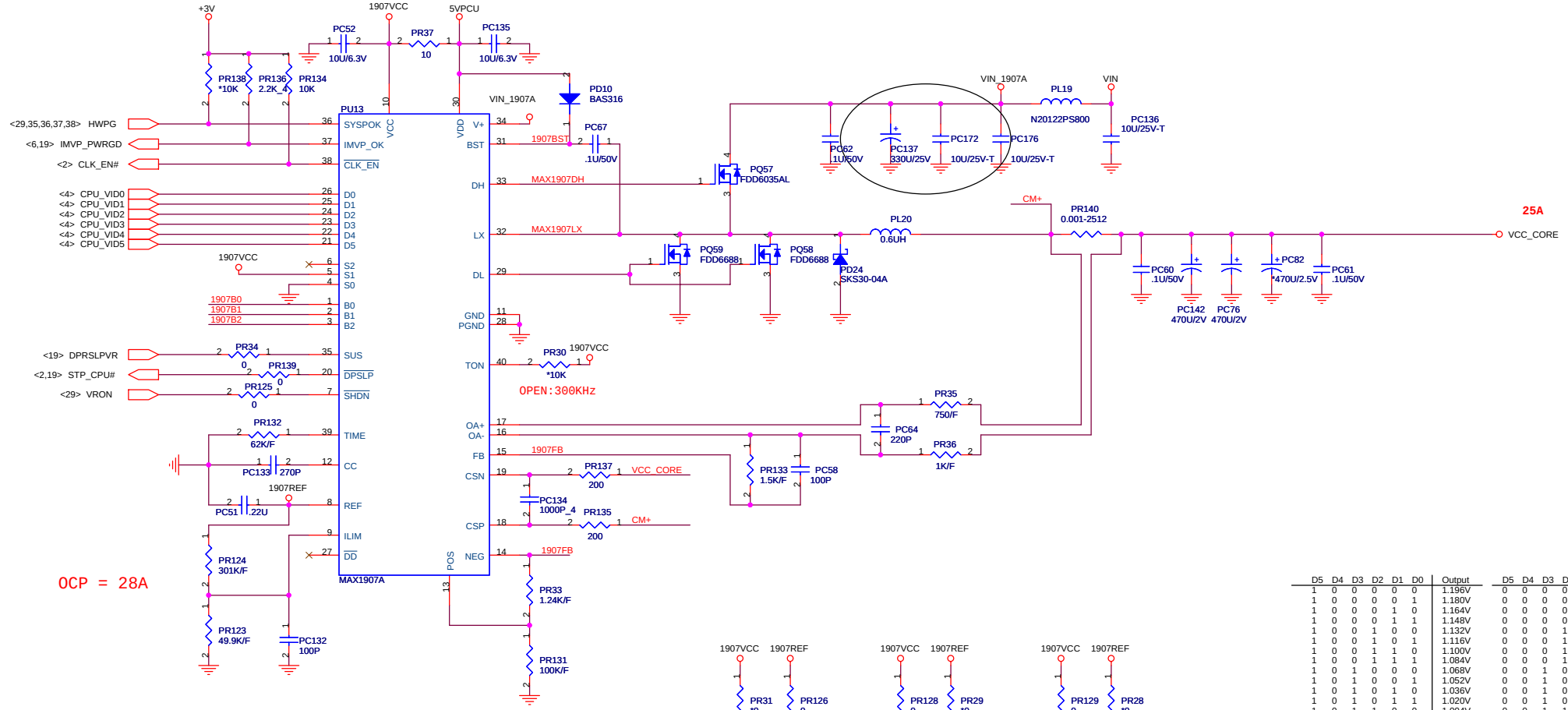

SUSPEND MODE (SUS=HIGH)

S2	S1	S0	Output
OPEN	VCC	GND	0.748V

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

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	0	1	1.436V
1	1	0	0	1	0	0.908V	0	1	0	0	1	0	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

Quanta Computer Inc.

Size	Document Number	Rev
	CPU CORE (MAX1907)	C
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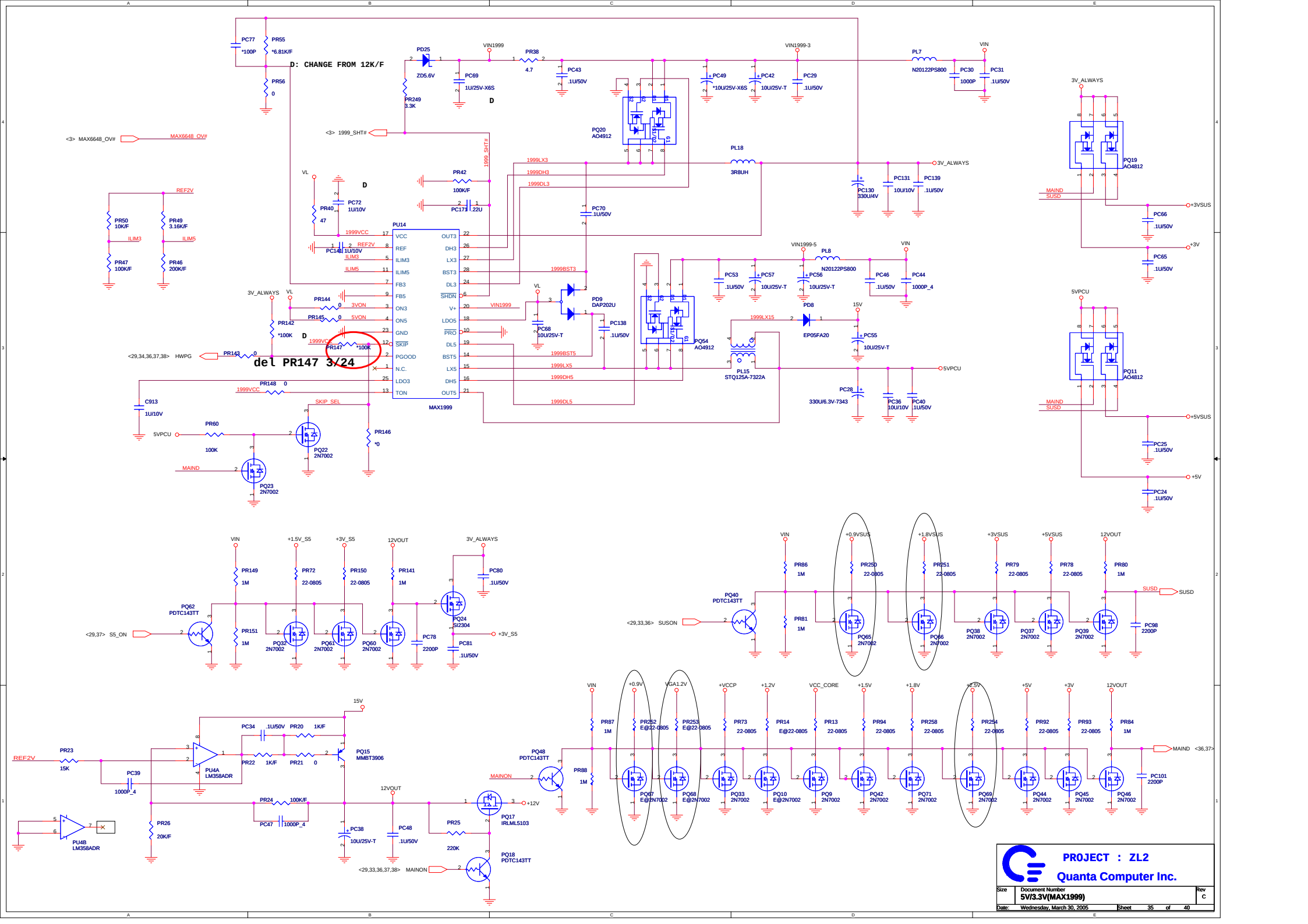
D: CHANGE FROM 12K/F
del PR147 3/24
MAX1999
PU14
PQ20 AO4912
PQ54 AO4912
PQ19 AO4812
PQ11 AO4812
PD9 DAP202U
PD8 EP05FA20
PL15 STQ125A-7322A
PL18 3R8UH
PL7 N20122PS800
PL8 N20122PS800
PQ22 2N7002
PQ23 2N7002
PQ62 PDTC143TT
PQ24 SI2304
PQ40 PDTC143TT
PQ48 PDTC143TT
PQ15 MMBT3906
PQ17 IRLML5103
PQ18 PDTC143TT
PU4A LM358ADR
PU4B LM358ADR
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Quanta Computer Inc.
5V/3.3V(MAX1999)
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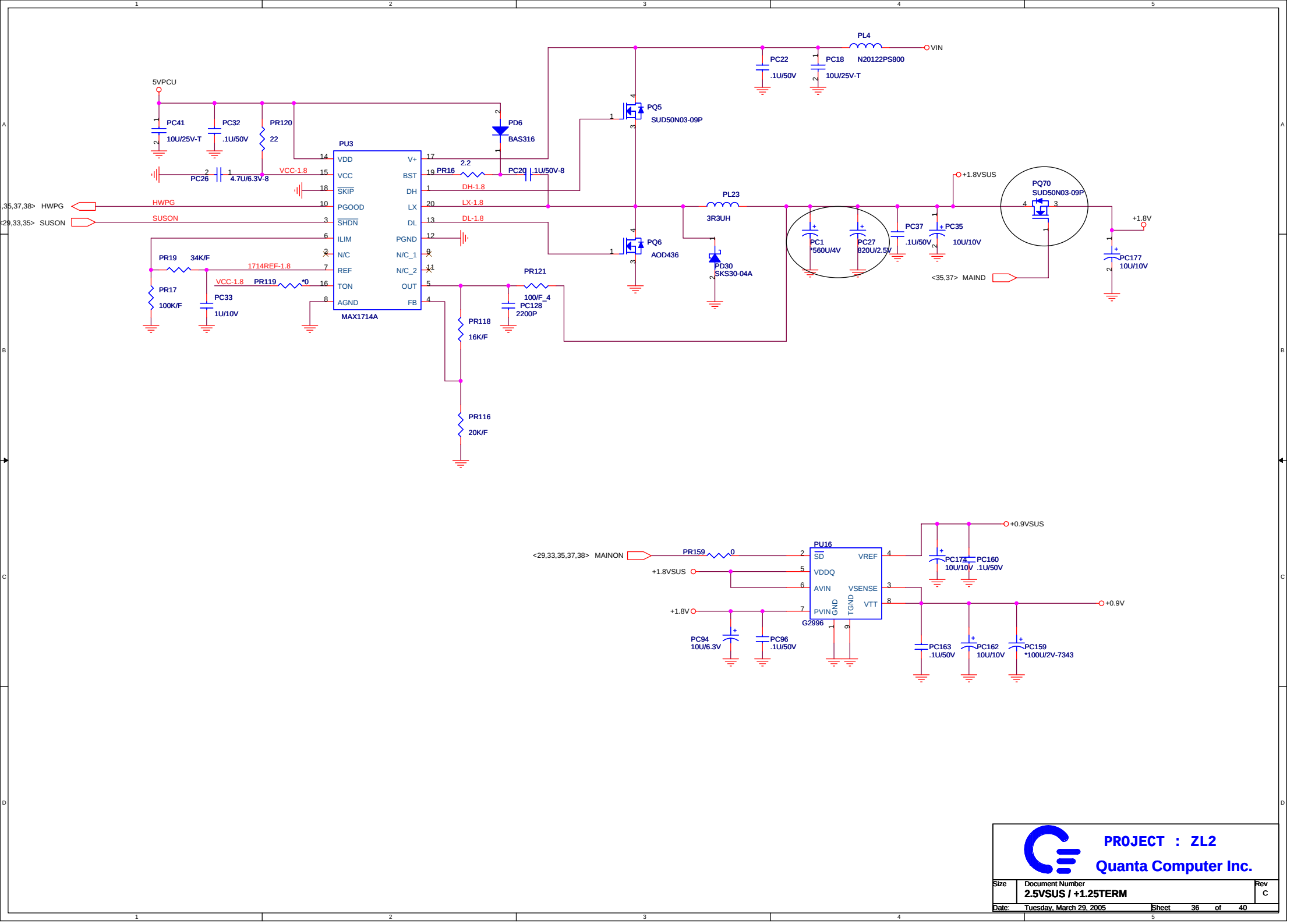

PROJECT : ZL2		
Quanta Computer Inc.		
Size	Document Number: 2.5VSUS / +1.25TERM	Rev: C
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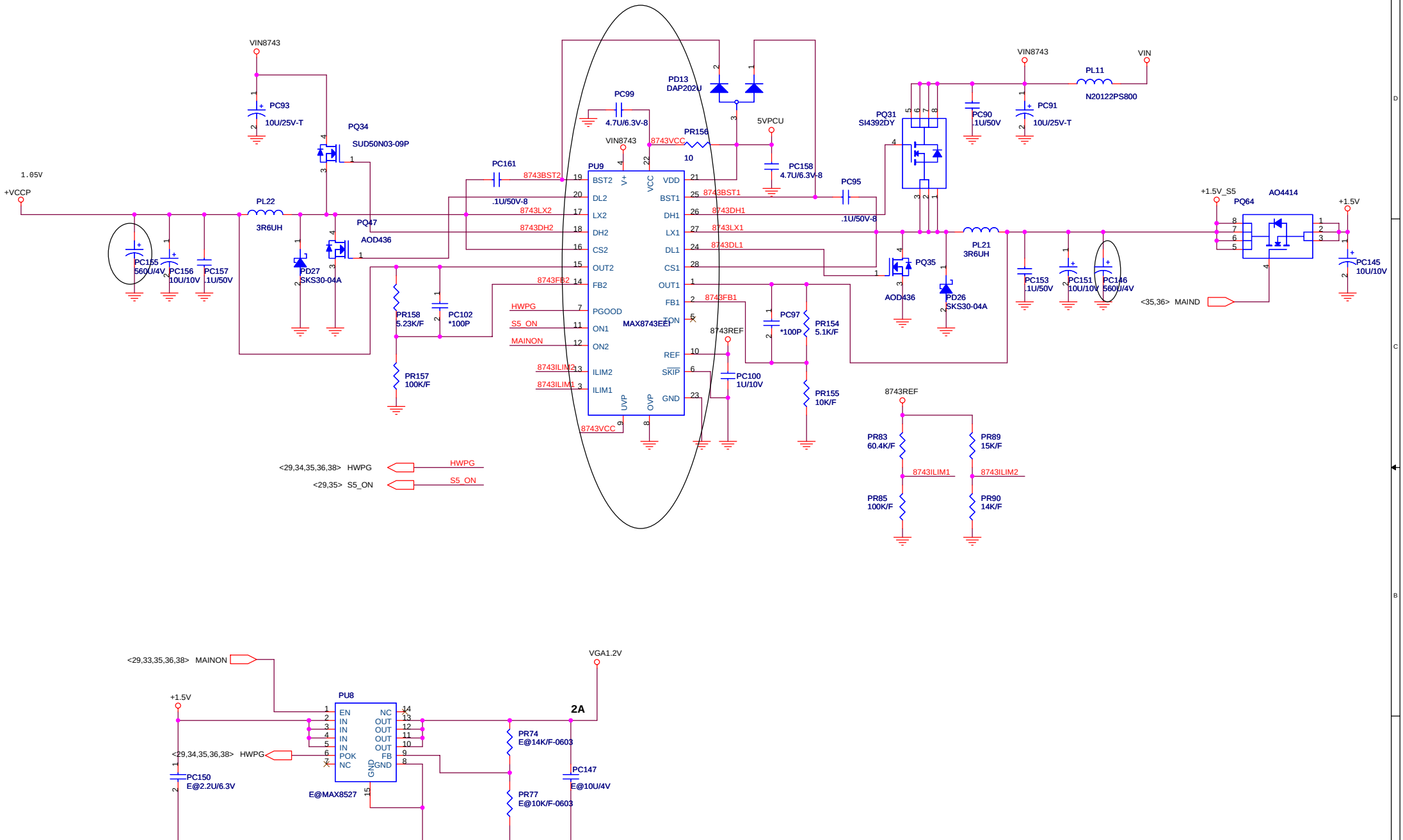
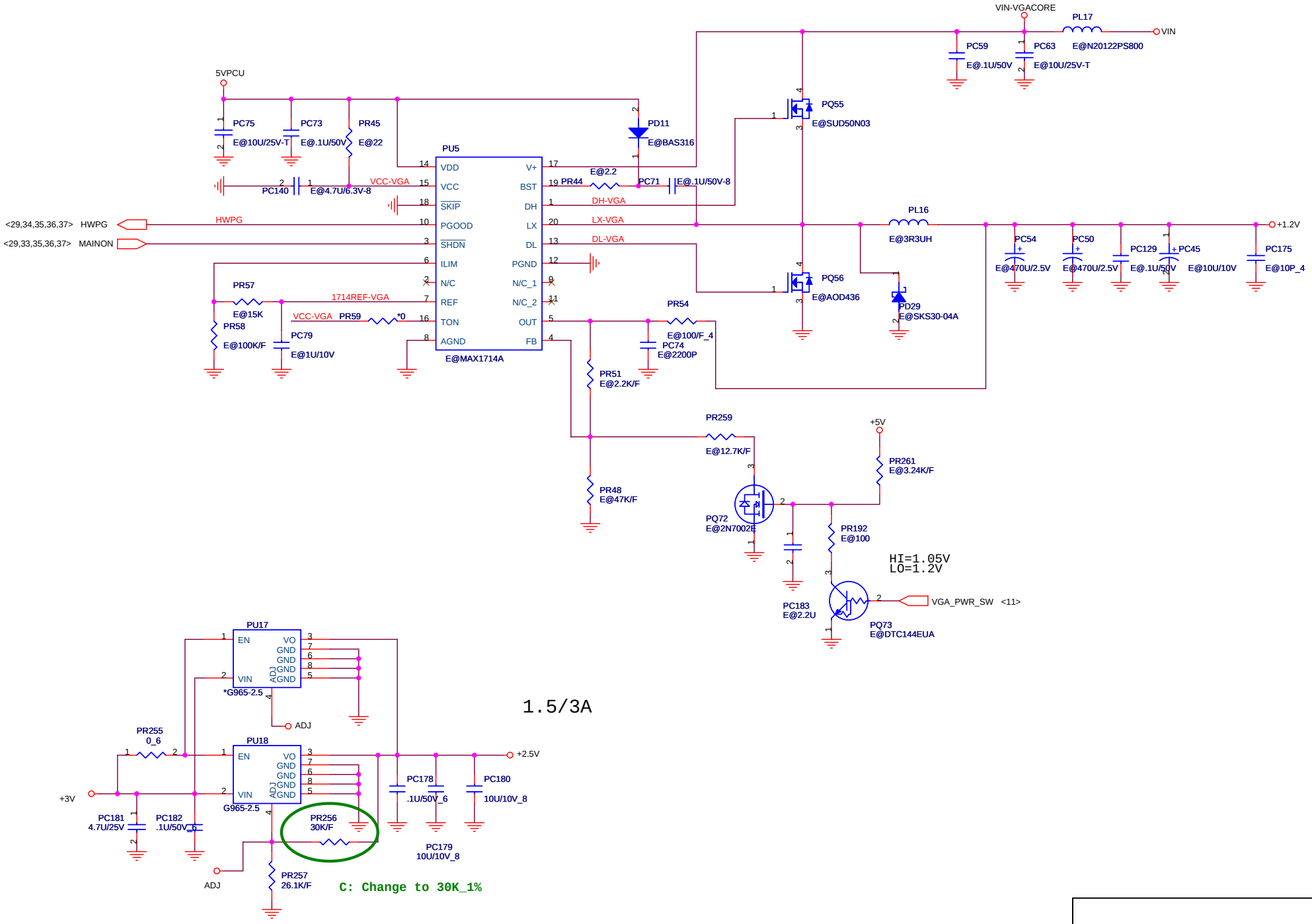


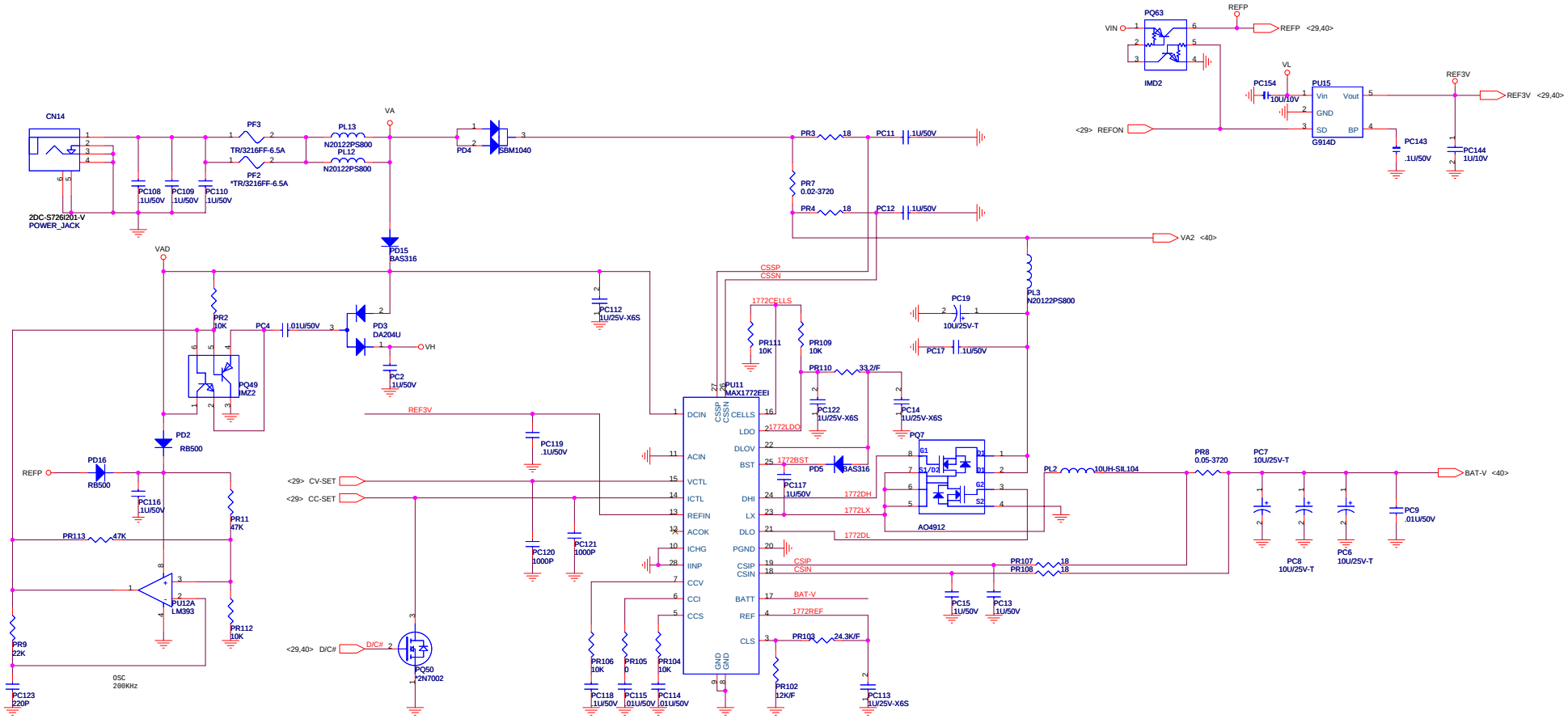
PROJECT : ZL2

Quanta Computer Inc.

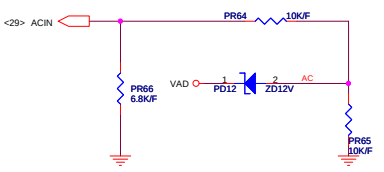
Size	Document Number	Rev
	+1.5 / CPUIO	C
Date: Tuesday, March 29, 2005	Sheet 37 of 40	

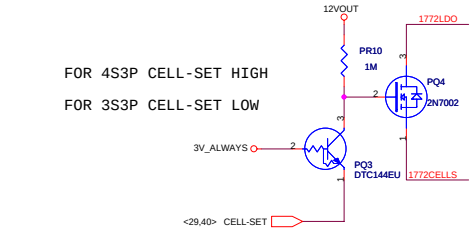


Size	Document Number	Rev
	+1.2V/+1.8V	C
Date: Tuesday, March 29, 2005	Sheet 38 of 40	



FOR 120W 6.2A





FOR 4S3P CELL-SET HIGH

FOR 3S3P CELL-SET LOW

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Size	Document Number	Rev
	BATTERY CHARGER	C

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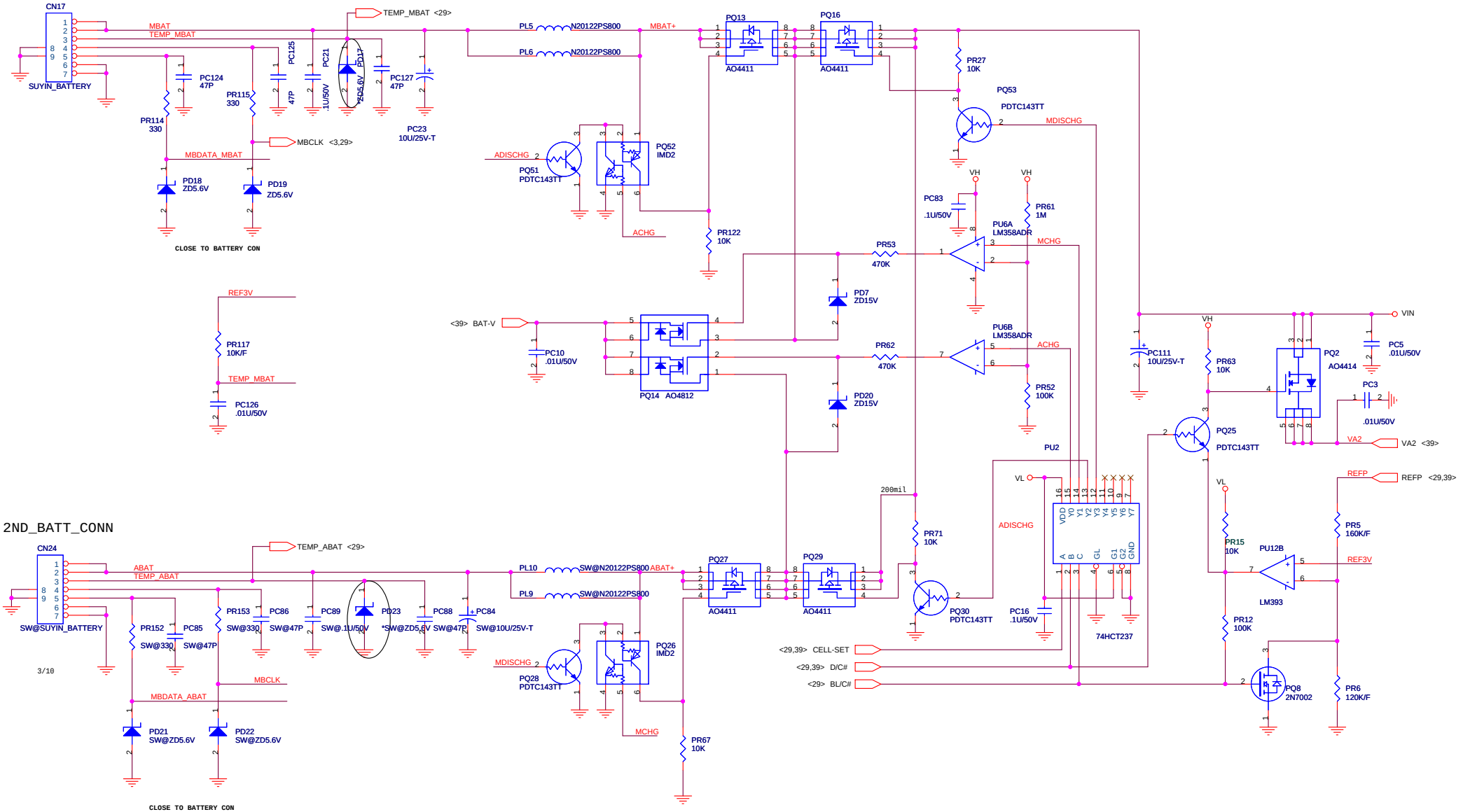
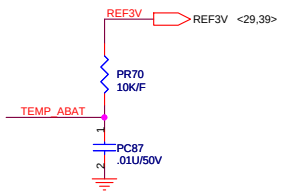
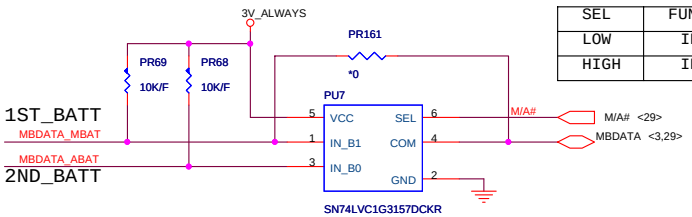
1ST_BATT_CONN



2ND_BATT_CONN





SEL	FUNCTION
LOW	IN_B0
HIGH	IN_B1

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Size	Document Number	Rev
	BATTERY SELECT	C
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