BL1

CPU CORE
SENTECH
SC451
Page:25
→ VCC_CORE

+3VPCU
+3V_S5/+3VSUS
+3V
+5VSUS/+5V
10V/15V
+1.8V_S5
MAXIM
MAX8744ETJ+ Page:26
→ +3VPCU, +3V_S5, +3VSUS, +3V, +5VSUS, +5V, 10V/15V, +1.8V_S5

+1.8VSUS/+1.8V
+1.2V
MAXIM
MAX8743EEI Page:27
→ +1.8VSUS, +1.8V, +1.2V

+1.05V
SENTECH
SC4215*2 Page:29
→ +1.05V

+0.9VSUS
+0.9V
GMT
G2996 Page:26,29
→ +0.9VSUS, +0.9V

BATTERY CHARGER
MAXIM
MAX8724 Page:28

CLOCK GEN
RTM865-300
+3V Page:4

CELERON-M/PENTIUM-M
INTEL Mobile_479 CPU
Page:2, 3

HOST BUS 400MHZ

NB
RC410MB/RC410MD
ATI
Page: 5, 6 , 7, 8

RGB → **CRT (option)** Page: 10

LVDS → **LVDS** Page: 10

DDR-II SODIMM1 Page: 9
DDR-II SODIMM2 Page: 9
DDR-II

2X PCIE

SB
ATi SB450
Page: 11, 12, 13, 14

SATA HDD Page: 18 — SATA

IDE-ODD Page: 18 — ATA 66/100

HD AUDIO

PCI BUS 33MHZ

USB 2.0

LPC 33MHZ

ENE PCMCIA
CB1410 (option)
AD17
REQ3# / GNT3#
INTE#
Page: 16
→ **TYPE II SLOT** Page: 16

MINI-PCI
Wireless LAN
AD20
REQ1# / GNT1#
INTG# , INTH#
Page: 17

REALTEK
RTL8100CL
AD18
REQ0# / GNT0#
INTF#
Page: 15
→ **BOTHHAND TRANSFORMER NS0013** Page: 15
→ **RJ45** Page: 15

AUDIO CODEC
REALTEK
ALC861
Page: 19

GMT
G1432+G1410
Page: 20

MODEM
AGERE
DELPHI-MOM
Page: 21,22

KBC
NS
PC97541V
Page: 23

SYSTEM
USB PORT *2
USB2,3 Page: 17

MIC IN Page: 20
SPEAKER Page: 20
LINE OUT Page: 20
RJ11
Touchpad Page: 24
Keyboard Page: 24
FLASH Page: 24
FAN Page: 24

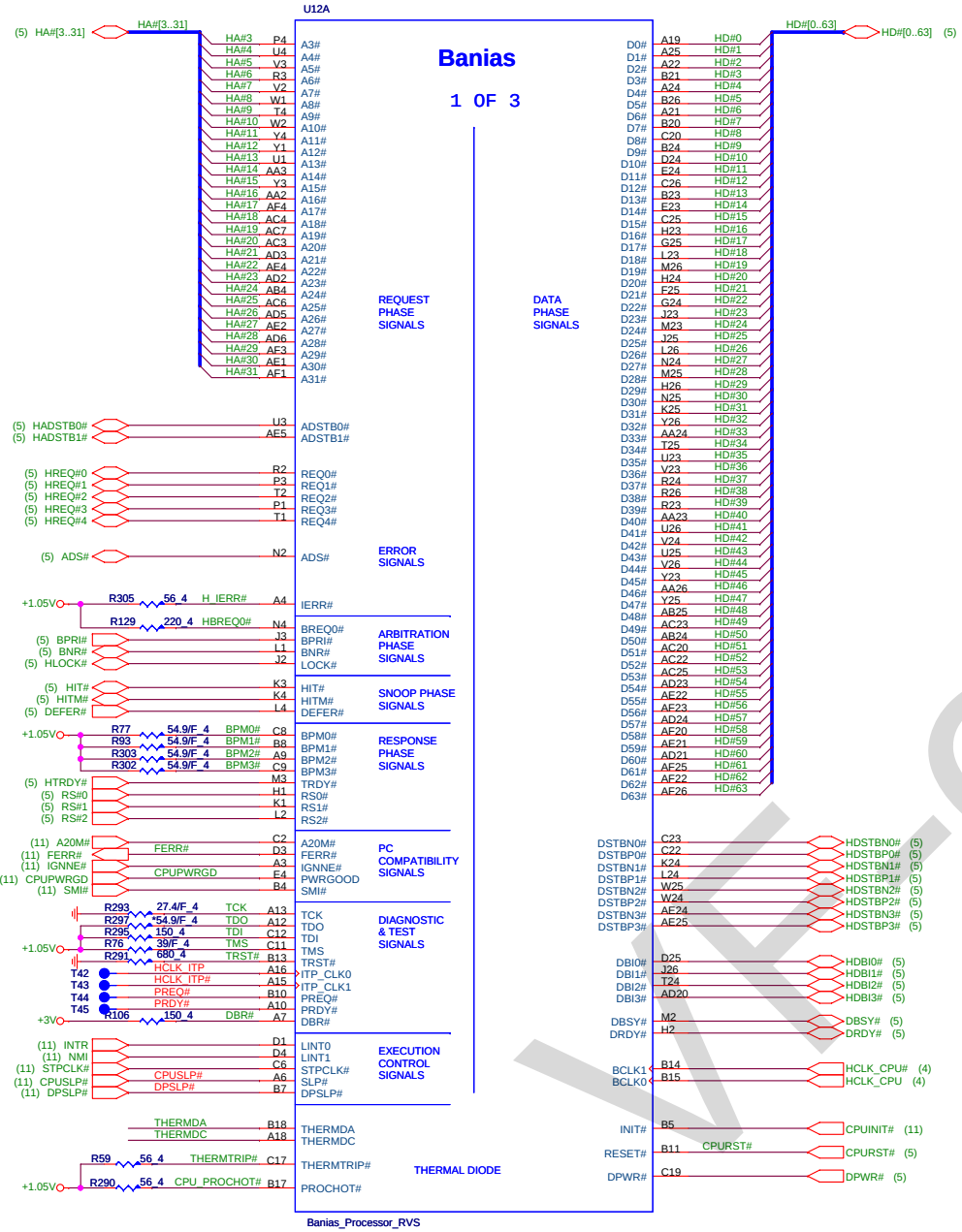
Power State Table

Power Name	Control Signal	Power State	Power Source
VCC_CORE	VRON	S0	VIN
+3VPCU	N/A	ALWAYS	VIN
+3V_S5	S5_ON	S0-S5	+3VPCU
+3VSUS	SUSON	S0-S3	+3VPCU
+3V	MAINON	S0	+3VPCU
+5VPCU	N/A	ALWAYS	VIN
+5V_S5	S5_ON	S0-S5	+5VPCU
+5VSUS	SUSON	S0-S3	+5VPCU
+5V	MAINON	S0	+5VPCU
15V/10V	N/A	S0	+5VPCU
+1.2V	MAINON	S0	VIN
+1.05V	MAINON	S0	+1.8VSUS
+0.9V	MAINON	S0	+1.8VSUS
+1.8V_S5	S5_ON	S0-S5	+3VPCU
+1.8VSUS	SUSON	S0-S3	VIN
+1.8V	MAINON	S0	+1.8VSUS

PROJECT : BL1
Quanta Computer Inc.

Size	Document Number	Rev
	BLOCK DIAGRAM	1A

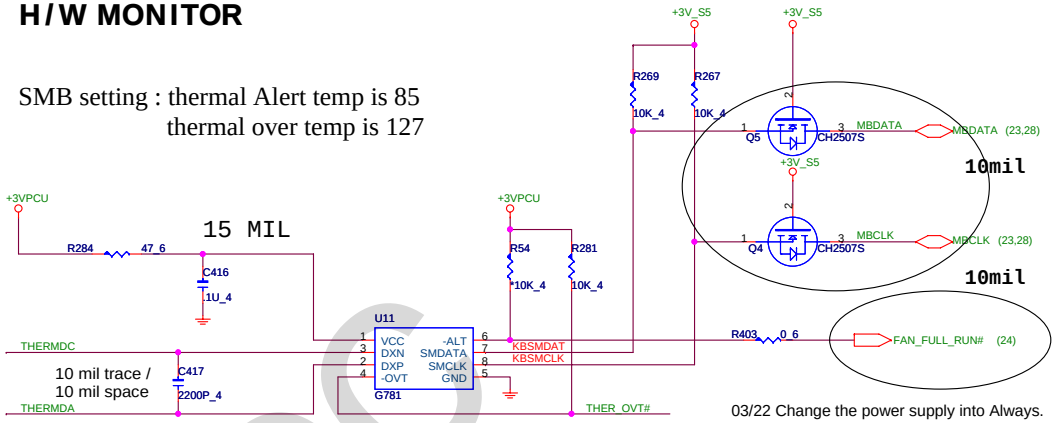
Date: Monday, April 03, 2006 Sheet 1 of 30



CPU

H/W MONITOR

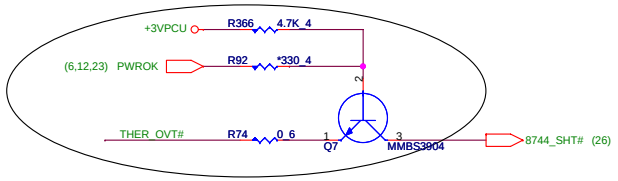
SMB setting : thermal Alert temp is 85
thermal over temp is 127

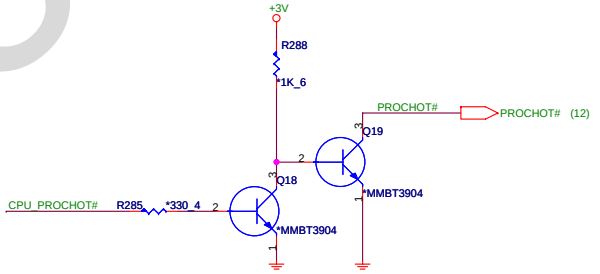


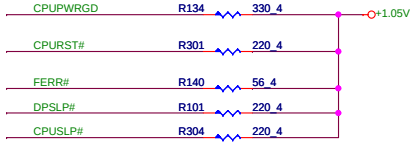
03/22 Change the power supply into Always.

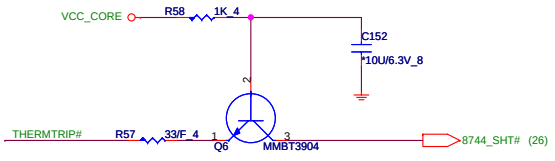
SMBus SLAVE ADDRESS: 98

	-OVT	-ALT
CPU	127	
Ambient	85	





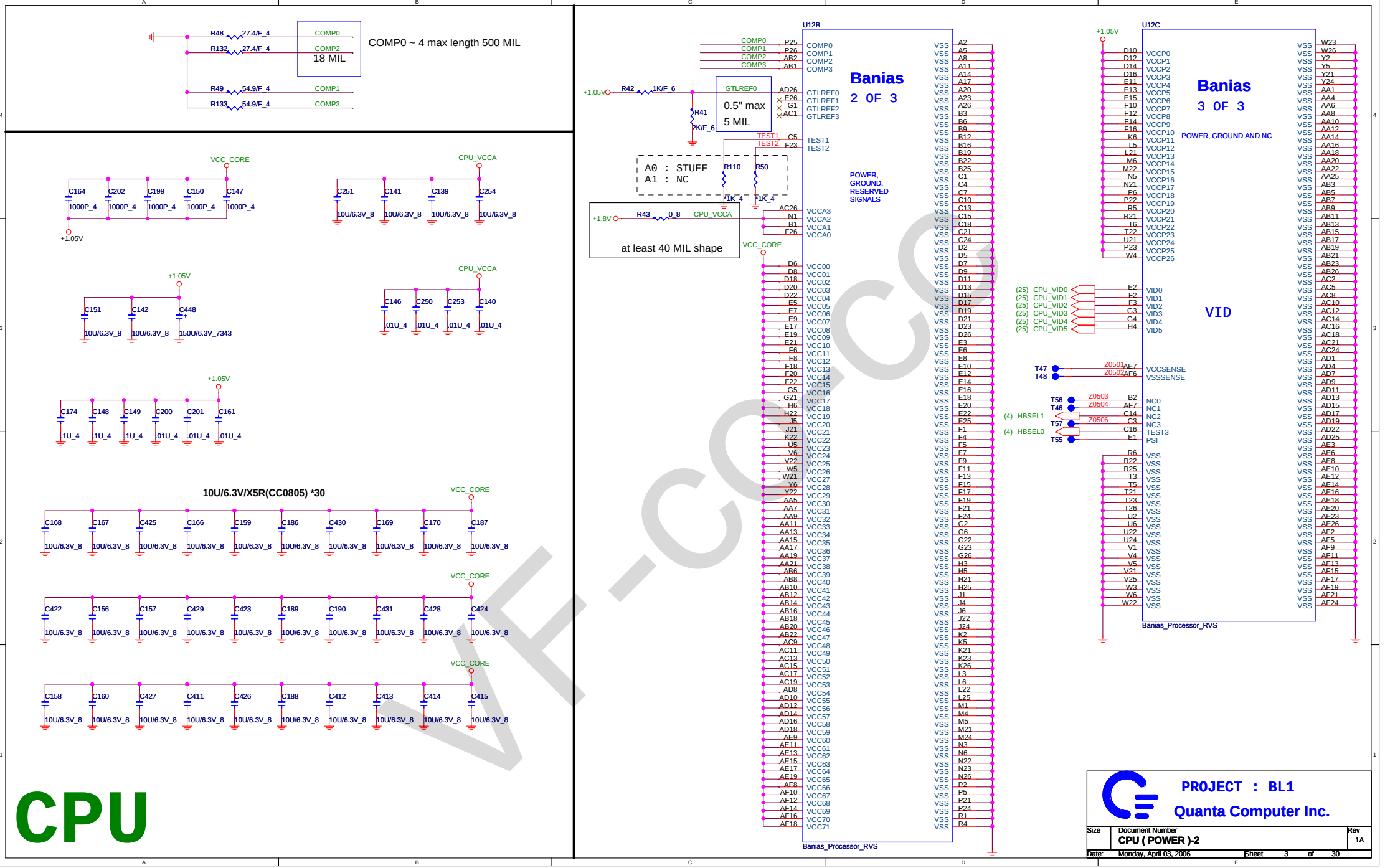


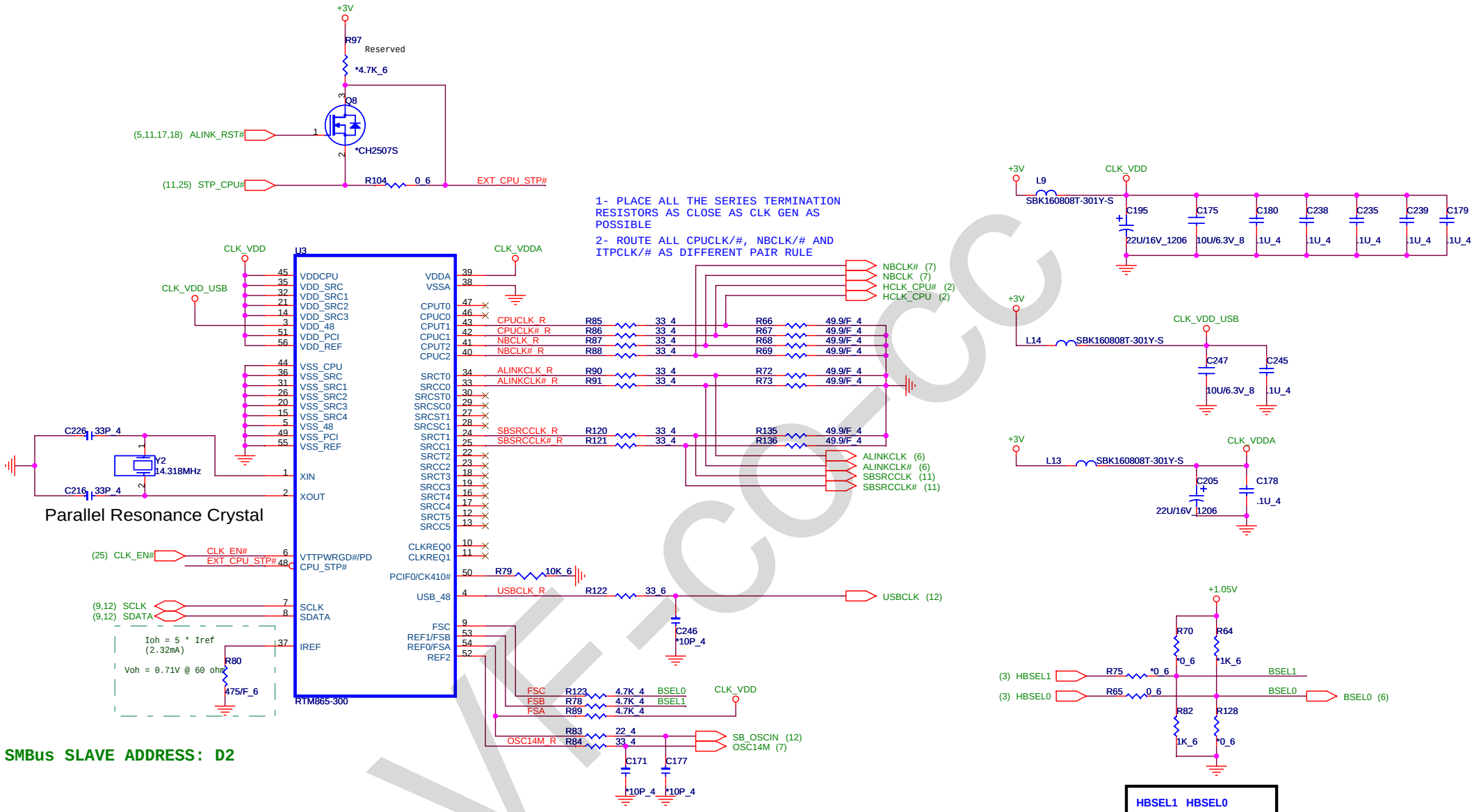


PROJECT : BL1
Quanta Computer Inc.

Size	Document Number	Rev
	CPU (HOST BUS)-1	2A

Date: Monday, April 03, 2006 Sheet 2 of 30


COMP0 ~ 4 max length 500 MIL
R48 27.4/F_4
R132 27.4/F_4
R49 54.9/F_4
R133 54.9/F_4
COMP0
COMP2
18 MIL
COMP1
COMP3
VCC_CORE
CPU_VCCA
+1.05V
10U/6.3V/X5R(CC0805) *30
Banias
2 OF 3
POWER, GROUND, RESERVED SIGNALS
GTLREF0
0.5" max
5 MIL
R42 1K/F_6
R41 2K/F_6
A0 : STUFF
A1 : NC
R110
R50
1K_4
+1.8V
R43 0_8
at least 40 MIL shape
U12B
Banias_Processor_RVS
U12C
Banias
3 OF 3
POWER, GROUND AND NC
VID
VCCSENSE
VSSENSE
HBSEL1
HBSEL0
PSI
Banias_Processor_RVS
CPU
PROJECT : BL1
Quanta Computer Inc.
Size
Document Number
CPU (POWER)-2
Rev
1A
Date: Monday, April 03, 2006
Sheet 3 of 30



SMBus SLAVE ADDRESS: D2

HBSEL1	HBSEL0	
0	0	133 MHz
0	1	100 MHz

CK410 FREQUENCY SELECT TABLE(MHZ)

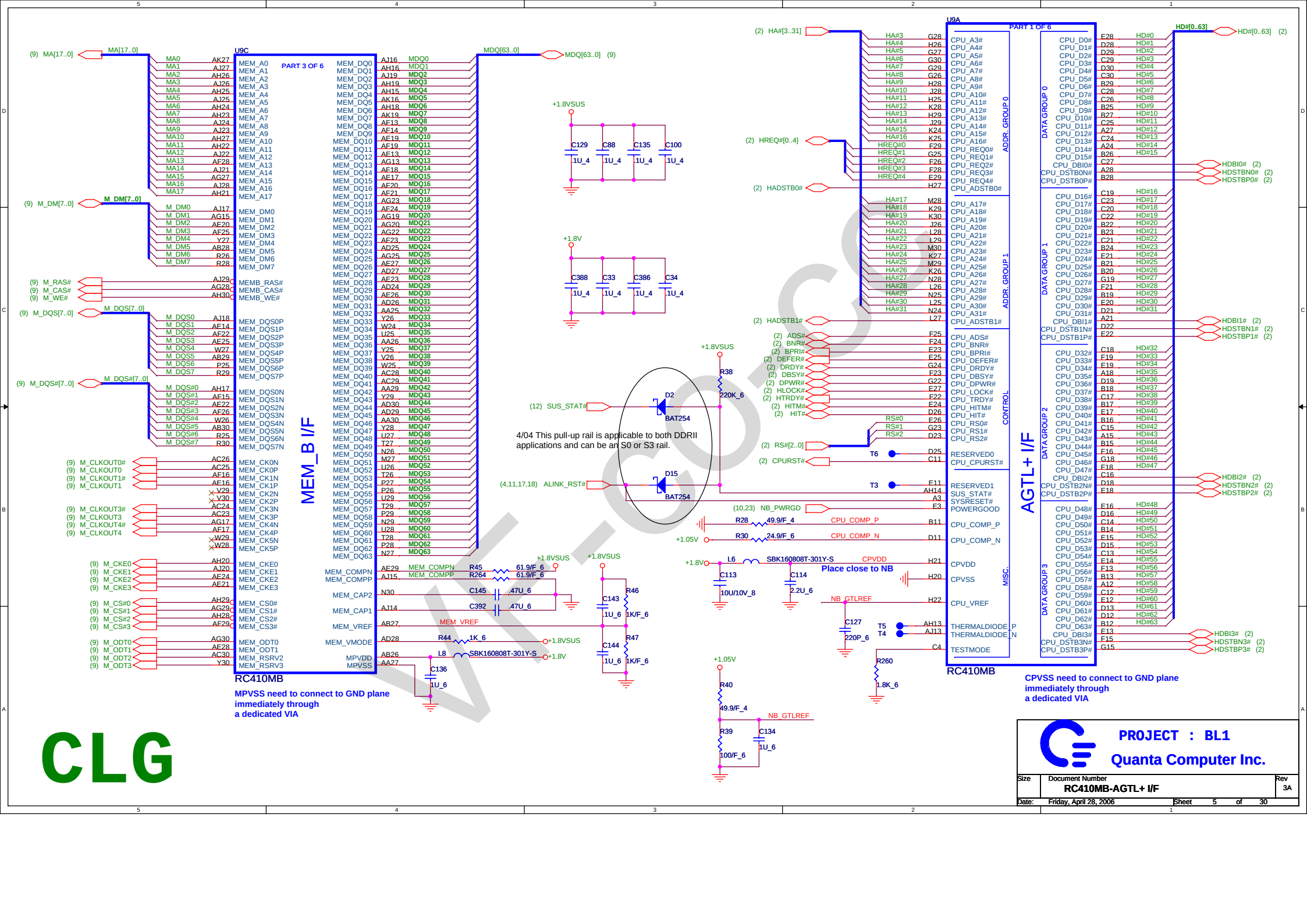
FSC BSEL0	FSB BSEL1	FSA	CPU MHz
0	0	0	266.66
0	0	1	133.33
0	1	0	200.00
0	1	1	166.66
1	0	0	333.33
1	0	1	100.00
1	1	0	400.00
1	1	1	Rsvd

CLK

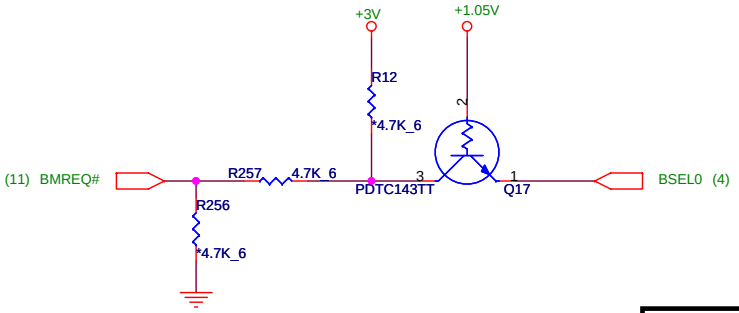
PROJECT : BL1

Quanta Computer Inc.

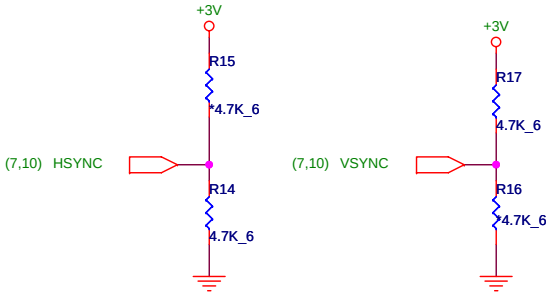
Size	Document Number	Rev
	EXTERNAL CLKGEN	1A
Date: Monday, May 08, 2006	Sheet 4 of 30	


U9C
PART 3 OF 6
MEM_B I/F
RC410MB
MPVSS need to connect to GND plane immediately through a dedicated VIA
4/04 This pull-up rail is applicable to both DDRII applications and can be an S0 or S3 rail.
U9A
PART 1 OF 6
AGTL+ I/F
ADDR. GROUP 0
ADDR. GROUP 1
DATA GROUP 0
DATA GROUP 1
DATA GROUP 2
DATA GROUP 3
CONTROL
MISC.
Place close to NB
CPVSS need to connect to GND plane immediately through a dedicated VIA
PROJECT : BL1
Quanta Computer Inc.
RC410MB-AGTL+ I/F
Friday, April 28, 2006
Sheet 5 of 30
CLG

NB strapping



BSEL1	BSEL0	
0	0	133 MHz
0	1	100 MHz

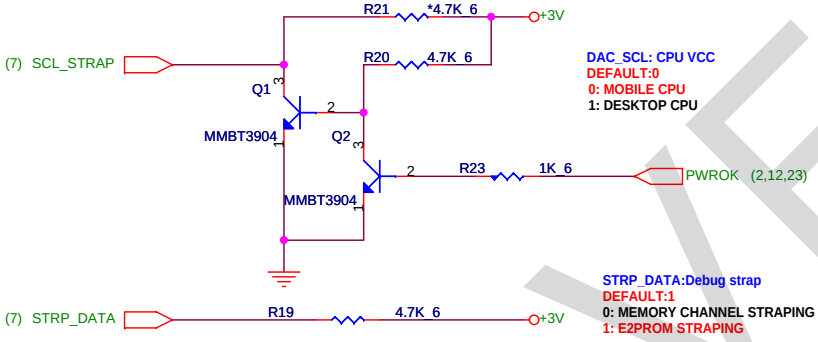


BMREQ#&HSYNC&VSYNC: FSB CLK SPEED

DEFAULT: 101

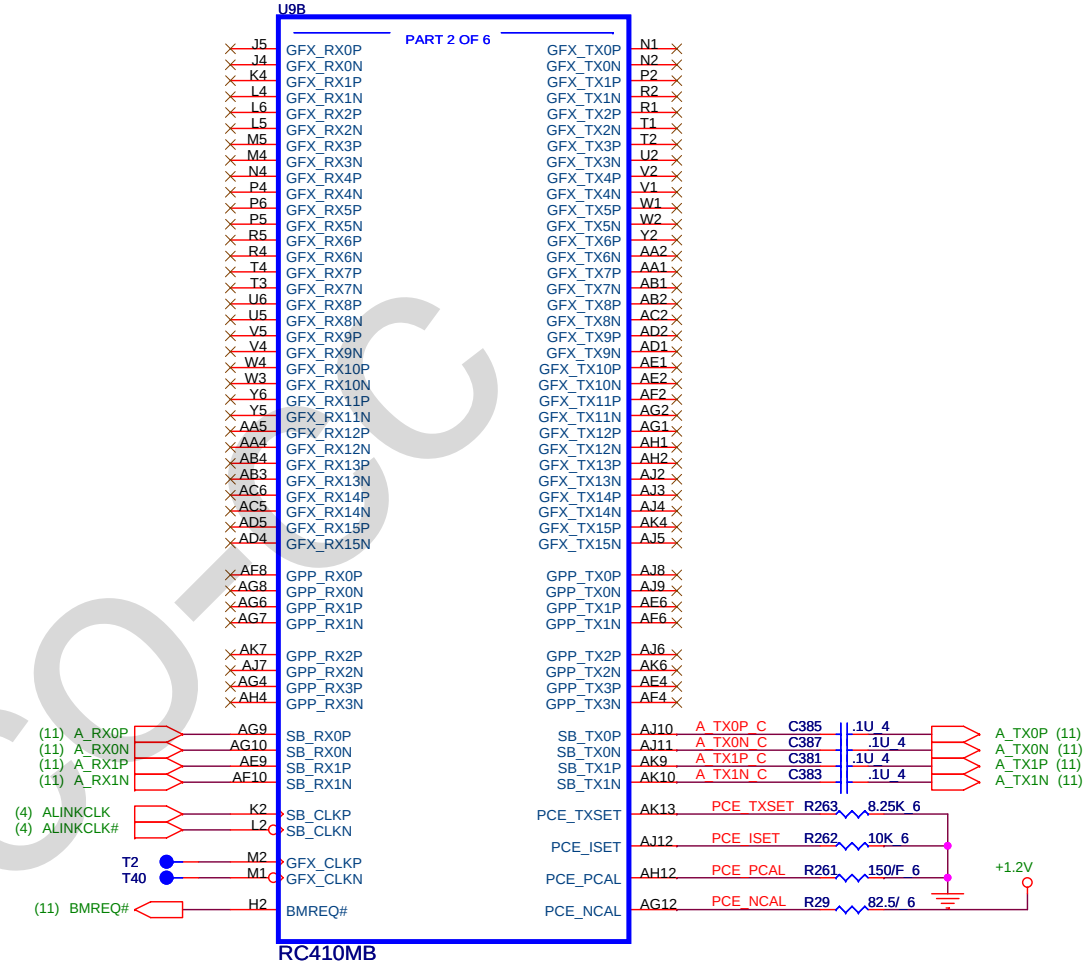
101: 100 MHZ RC420MB

001: 133 MHZ RC420MD



DAC_SCL: CPU VCC
DEFAULT:0
0: MOBILE CPU
1: DESKTOP CPU

STRP_DATA:Debug strap
DEFAULT:1
0: MEMORY CHANNEL STRAPING
1: E2PROM STRAPING

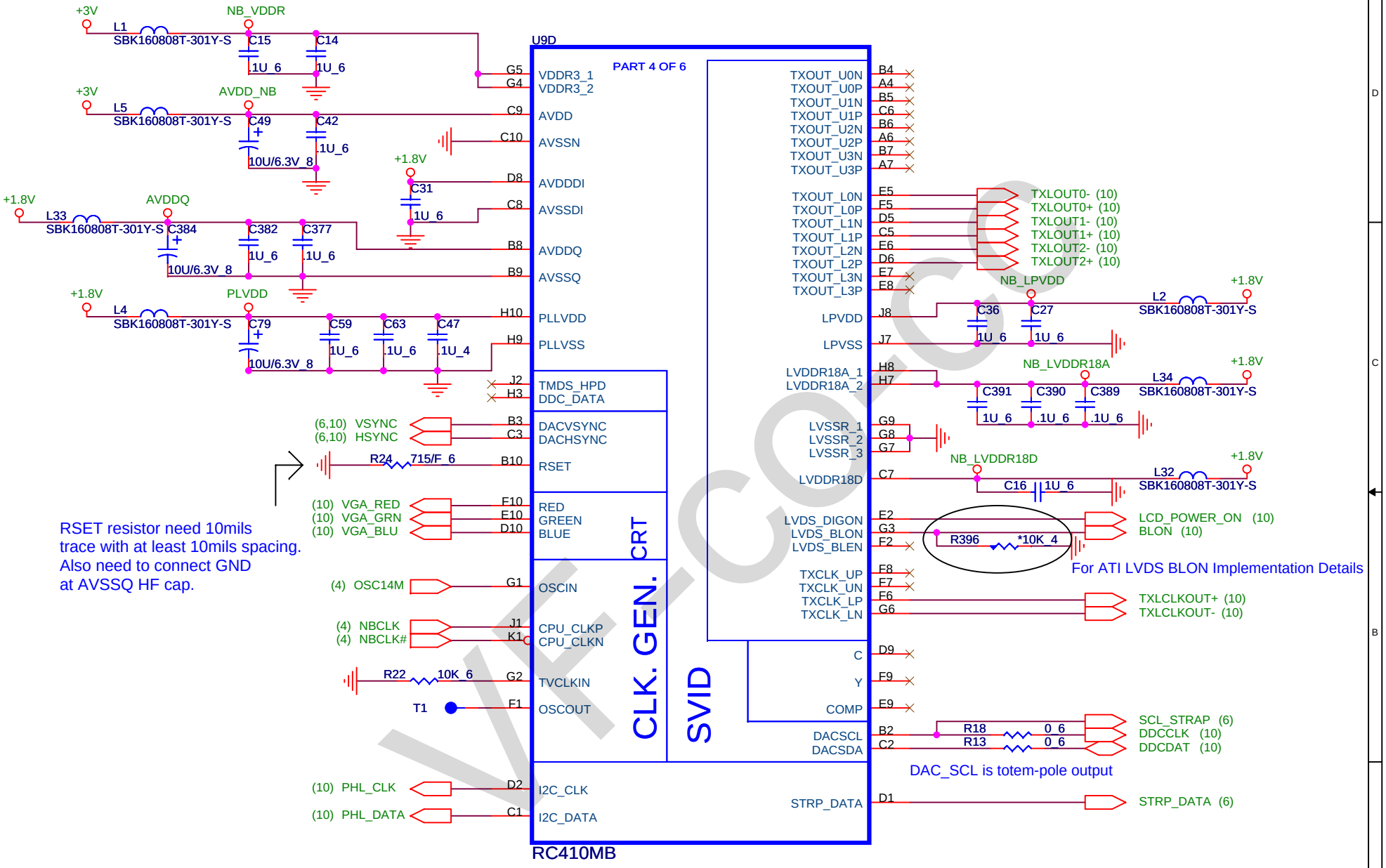


CLG

PROJECT : BL1

Quanta Computer Inc.

Size	Document Number	Rev
	RC410MB-PCIE LINK I/F	1A
Date: Friday, April 28, 2006	Sheet 6 of 30	

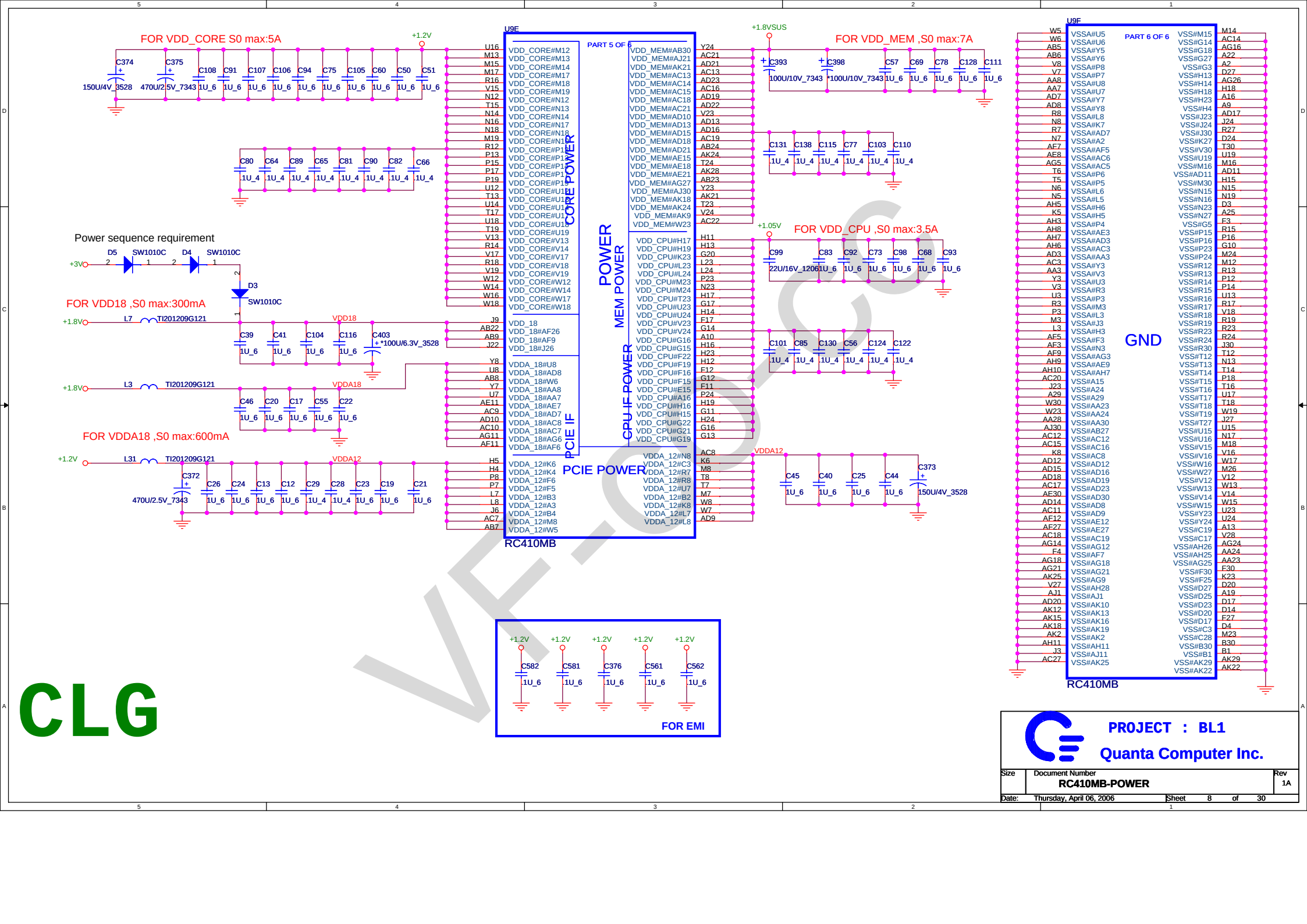


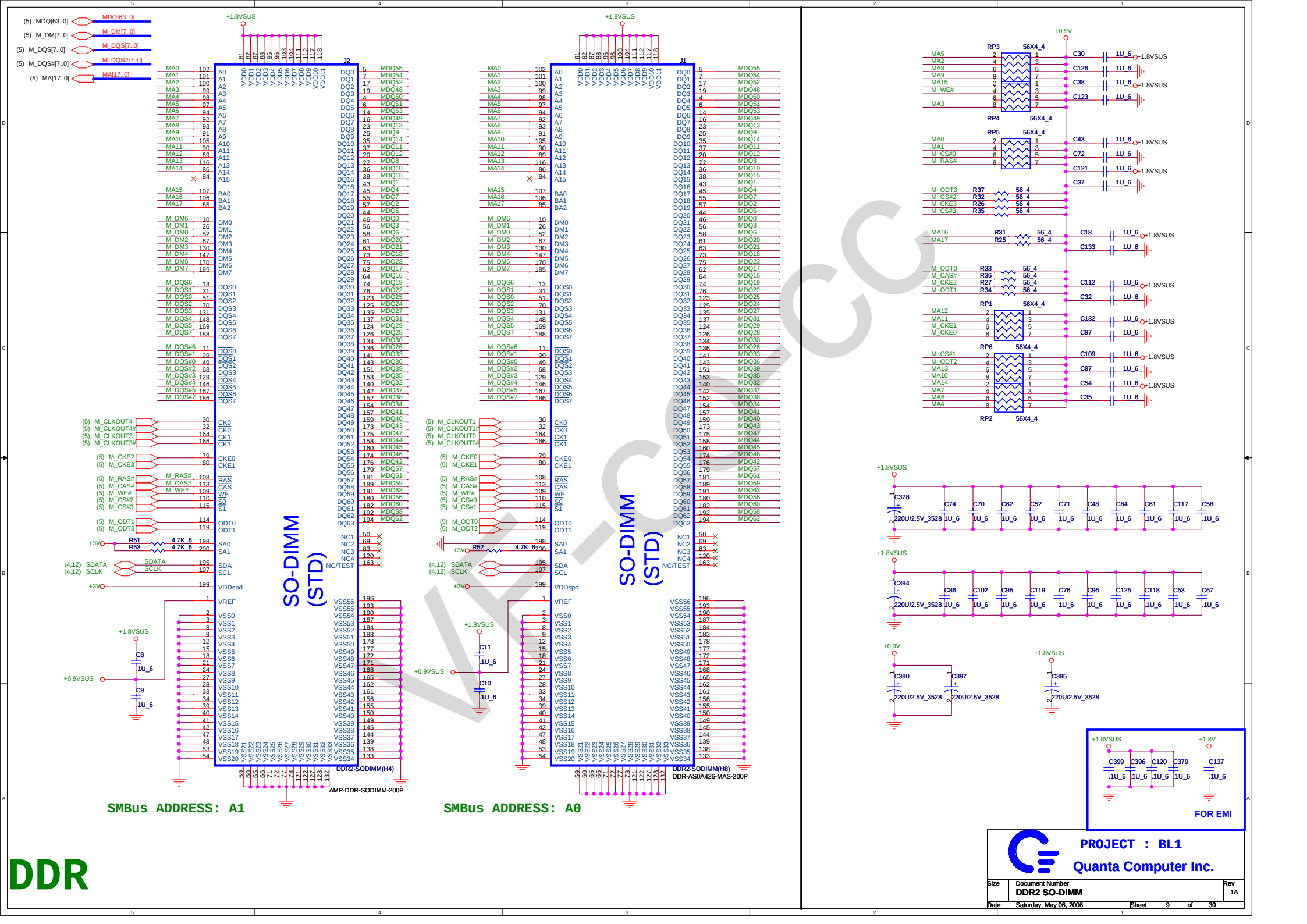
CLG

PROJECT : BL1

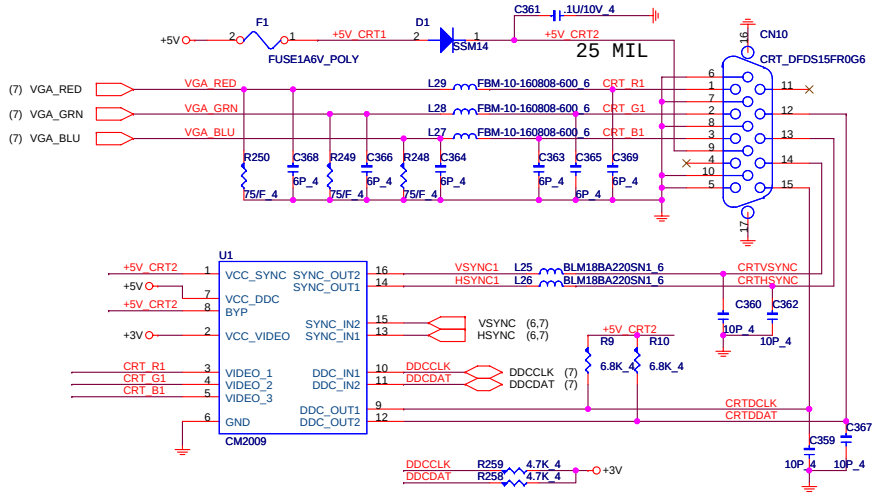
Quanta Computer Inc.

Size	Document Number	Rev
	RC410MB-VIDEO & CLKGEN	2A
Date: Friday, May 05, 2006	Sheet 7 of 30	

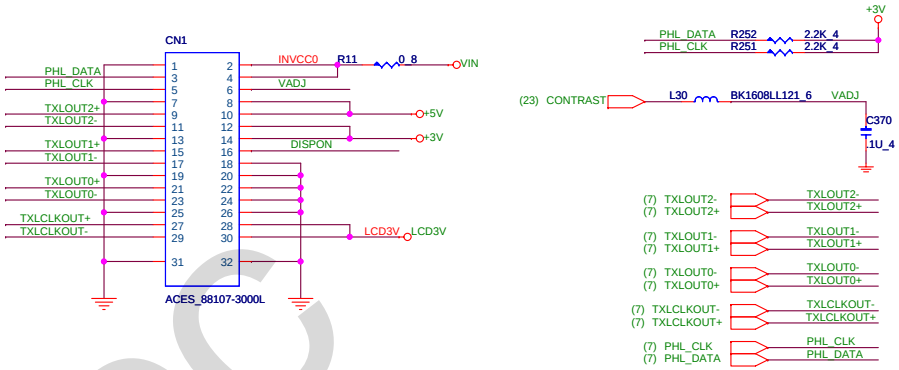

FOR VDD_CORE S0 max:5A
+1.2V
C374 150U/4V_3528
C375 470U/2.5V_7343
C108 C91 C107 C106 C94 C75 C105 C60 C50 C51 1U_6
C80 C64 C89 C65 C81 C90 C82 C66 1U_4
U9E
PART 5 OF 6
VDD_CORE#M12 VDD_CORE#M13 VDD_CORE#M14 VDD_CORE#M17 VDD_CORE#M18 VDD_CORE#M19 VDD_CORE#N12 VDD_CORE#N13 VDD_CORE#N14 VDD_CORE#N17 VDD_CORE#N18 VDD_CORE#P11 VDD_CORE#P12 VDD_CORE#P13 VDD_CORE#P14 VDD_CORE#P19 VDD_CORE#U13 VDD_CORE#U15 VDD_CORE#U16 VDD_CORE#U17 VDD_CORE#U18 VDD_CORE#U19 VDD_CORE#V13 VDD_CORE#V14 VDD_CORE#V17 VDD_CORE#V18 VDD_CORE#V19 VDD_CORE#W12 VDD_CORE#W14 VDD_CORE#W17 VDD_CORE#W18
U16 M13 M15 M17 R16 V15 N12 T15 N14 N16 N18 M19 R12 P13 P15 P17 P19 U12 T13 U14 T17 U18 T19 V13 R14 V17 R18 V19 W12 W14 W16 W18
CORE POWER
Power sequence requirement
+3V
D5 SW1010C D4 SW1010C D3 SW1010C
FOR VDD18 ,S0 max:300mA
+1.8V
L7 TI201209G121
VDD18
C39 C41 C104 C116 C403 1U_6 *100U/6.3V_3528
VDD_18
VDD_18#AF26
VDD_18#AF9
VDD_18#J26
J9 AB22 AB9 J22
FOR VDDA18 ,S0 max:600mA
L3 TI201209G121
VDDA18
C46 C20 C17 C55 C22 1U_6
VDDA_18#U8 VDDA_18#AD8 VDDA_18#W6 VDDA_18#AA8 VDDA_18#AA7 VDDA_18#AE7 VDDA_18#AD7 VDDA_18#AC8 VDDA_18#AC7 VDDA_18#AG6 VDDA_18#AF6
Y8 U8 AB8 Y7 U7 AE11 AC9 AD10 AC10 AG11 AF11
PCIE IF
PCIE POWER
+1.2V
L31 TI201209G121
VDDA12
C372 470U/2.5V_7343
C26 C24 C13 C12 C29 C28 C23 C19 C21 1U_6
VDDA_12#K6 VDDA_12#K4 VDDA_12#F6 VDDA_12#F5 VDDA_12#B3 VDDA_12#A3 VDDA_12#B4 VDDA_12#M8 VDDA_12#W5
H5 H4 P8 P7 L7 L8 J6 AC7 AB7
RC410MB
POWER
MEM POWER
VDD_MEM#AB30 VDD_MEM#AJ21 VDD_MEM#AK21 VDD_MEM#AC13 VDD_MEM#AC14 VDD_MEM#AC15 VDD_MEM#AC18 VDD_MEM#AC21 VDD_MEM#AD10 VDD_MEM#AD13 VDD_MEM#AD15 VDD_MEM#AD18 VDD_MEM#AD21 VDD_MEM#AE15 VDD_MEM#AE18 VDD_MEM#AE21 VDD_MEM#AG27 VDD_MEM#AJ30 VDD_MEM#AK18 VDD_MEM#AK24 VDD_MEM#AK9 VDD_MEM#W23
Y24 AC21 AD21 AC13 AD23 AC16 AD19 AD22 V23 AD13 AD16 AC19 AB24 AK24 T24 AK28 AB23 Y23 AK21 T23 V24 AC22
CPU IF POWER
VDD_CPU#H17 VDD_CPU#H19 VDD_CPU#K23 VDD_CPU#L23 VDD_CPU#L24 VDD_CPU#M23 VDD_CPU#M24 VDD_CPU#T23 VDD_CPU#U23 VDD_CPU#U24 VDD_CPU#V23 VDD_CPU#V24 VDD_CPU#G16 VDD_CPU#G15 VDD_CPU#F22 VDD_CPU#F19 VDD_CPU#F16 VDD_CPU#F15 VDD_CPU#E15 VDD_CPU#A16 VDD_CPU#H16 VDD_CPU#H15 VDD_CPU#G22 VDD_CPU#G21 VDD_CPU#G19
H11 H13 G20 L23 L24 P23 N23 H17 G17 H14 F17 G14 A10 H16 H23 H12 F12 G12 F11 P24 H19 G11 H24 G16 G13
VDDA_12#N8 VDDA_12#C3 VDDA_12#R7 VDDA_12#R8 VDDA_12#U7 VDDA_12#B2 VDDA_12#K8 VDDA_12#L7 VDDA_12#L8
AC8 K6 M8 T8 T7 M7 W8 W7 AD9
+1.8VSUS
FOR VDD_MEM ,S0 max:7A
C393 100U/10V_7343 C398 *100U/10V_7343 C57 C69 C78 C128 C111 1U_6
C131 C138 C115 C77 C103 C110 1U_4
+1.05V
FOR VDD_CPU ,S0 max:3.5A
C99 22U/16V_1206 C83 C92 C73 C98 C68 C93 1U_6
C101 C85 C130 C56 C124 C122 1U_4
VDDA12
C45 C40 C25 C44 1U_6
C373 150U/4V_3528
+1.2V
C582 C581 C376 C561 C562 1U_6
FOR EMI
U9F
PART 6 OF 6
W5 W6 AB5 AB6 V8 V7 AA8 AA7 AD7 AD8 R8 N8 R7 N7 AF7 AE8 AG5 T6 T5 N6 N5 AH5 K5 AH3 AH8 AH7 AH6 AD3 AC3 AA3 Y3 V3 U3 R3 P3 M3 L3 AF5 AF3 AF9 AH9 AH10 AC20 J23 A29 W30 W23 AA28 AJ30 AC12 AC15 K8 AD12 AD15 AD18 AC17 AE30 AD14 AC11 AF12 AF27 AC18 AG14 F4 AG18 AG21 AK25 V27 AJ1 AD20 AK12 AK15 AK18 AK2 AH11 J3 AC27
VSSA#U5 VSSA#U6 VSSA#Y5 VSSA#Y6 VSSA#P8 VSSA#P7 VSSA#U8 VSSA#U7 VSSA#Y7 VSSA#Y8 VSSA#L8 VSSA#K7 VSSA#AD7 VSSA#A2 VSSA#AF5 VSSA#AC6 VSSA#AC5 VSSA#P6 VSSA#P5 VSSA#L6 VSSA#L5 VSSA#H6 VSSA#H5 VSSA#P4 VSSA#AE3 VSSA#AD3 VSSA#AC3 VSSA#AA3 VSSA#Y3 VSSA#V3 VSSA#U3 VSSA#R3 VSSA#P3 VSSA#M3 VSSA#L3 VSSA#J3 VSSA#H3 VSSA#F3 VSSA#N3 VSSA#AG3 VSSA#AE9 VSSA#AH7 VSS#A15 VSS#A24 VSS#A29 VSS#AA23 VSS#AA24 VSS#AA30 VSS#AB27 VSS#AC12 VSS#AC16 VSS#AC8 VSS#AD12 VSS#AD16 VSS#AD19 VSS#AD23 VSS#AD30 VSS#AD8 VSS#AD9 VSS#AE12 VSS#AE27 VSS#AC19 VSS#AG12 VSS#AF7 VSS#AG18 VSS#AG21 VSS#AG9 VSS#AH28 VSS#AJ1 VSS#AK10 VSS#AK13 VSS#AK16 VSS#AK19 VSS#AK2 VSS#AH11 VSS#AJ11 VSS#AK25
GND
VSS#M15 VSS#G14 VSS#G18 VSS#G27 VSS#G3 VSS#H13 VSS#H14 VSS#H18 VSS#H23 VSS#H4 VSS#J23 VSS#J24 VSS#J30 VSS#K27 VSS#V30 VSS#U19 VSS#M16 VSS#AD11 VSS#M30 VSS#N15 VSS#N16 VSS#N23 VSS#N27 VSS#G5 VSS#P15 VSS#P16 VSS#P23 VSS#P24 VSS#R12 VSS#R13 VSS#R14 VSS#R15 VSS#R16 VSS#R17 VSS#R18 VSS#R19 VSS#R23 VSS#R24 VSS#R30 VSS#T12 VSS#T13 VSS#T14 VSS#T15 VSS#T16 VSS#T17 VSS#T18 VSS#T19 VSS#T27 VSS#U15 VSS#U16 VSS#V15 VSS#V16 VSS#W16 VSS#W27 VSS#V12 VSS#W13 VSS#V14 VSS#W15 VSS#U23 VSS#Y23 VSS#Y24 VSS#C19 VSS#C17 VSS#AH26 VSS#AH25 VSS#AG25 VSS#F30 VSS#F25 VSS#D27 VSS#D25 VSS#D23 VSS#D20 VSS#D17 VSS#C3 VSS#C28 VSS#B30 VSS#B1 VSS#AK29 VSS#AK22
M14 AC14 AG16 A22 A2 D27 AG26 H18 A16 A9 AD17 J24 R27 D24 T30 U19 M16 AD11 H15 N15 N19 D3 A25 E3 R15 P16 G10 M24 M12 R13 P12 P14 U13 R17 V18 R19 R23 R24 J30 T12 N13 T14 P18 T16 U17 T18 W19 J27 U15 N17 M18 V16 W17 M26 V12 W13 V14 W15 U23 U24 A13 V28 AG24 AA24 AA23 F30 K23 D20 A19 D17 D14 F27 D4 M23 B30 B1 AK29 AK22
RC410MB
CLG
PROJECT : BL1
Quanta Computer Inc.
Size
Document Number
RC410MB-POWER
Rev
1A
Date: Thursday, April 06, 2006
Sheet 8 of 30

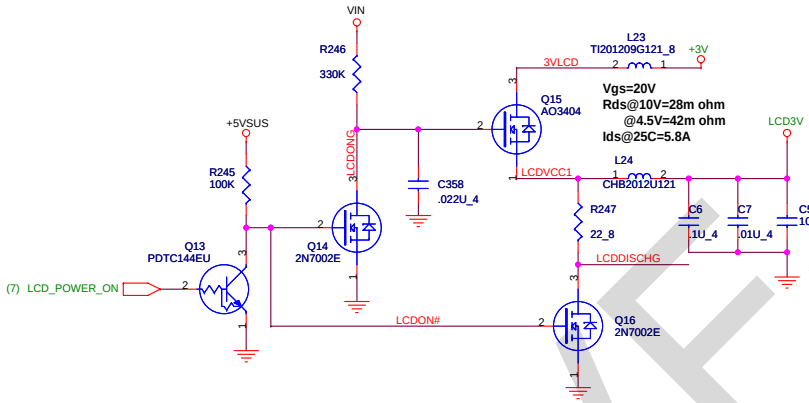

(5) MDQ[63..0]
(5) M_DM[7..0]
(5) M_DQS[7..0]
(5) M_DQS#[7..0]
(5) MA[17..0]
MDQ[63..0]
M_DM[7..0]
M_DQS[7..0]
M_DQS#[7..0]
MA[17..0]
+1.8VSUS
J2
SO-DIMM
(STD)
DDR2-SODIMM(H4)
AMP-DDR-SODIMM-200P
SMBus ADDRESS: A1
J1
SO-DIMM
(STD)
DDR2-SODIMM(H8)
DDR-AS0A426-MAS-200P
SMBus ADDRESS: A0
+0.9V
+3V
+0.9VSUS
RP3 56X4_4
RP4 56X4_4
RP5 56X4_4
RP1 56X4_4
RP6 56X4_4
RP2 56X4_4
220U/2.5V_3528
FOR EMI
DDR
PROJECT : BL1
Quanta Computer Inc.
DDR2 SO-DIMM
Saturday, May 06, 2006
Sheet 9 of 30

CRT PORT



LCD Connector



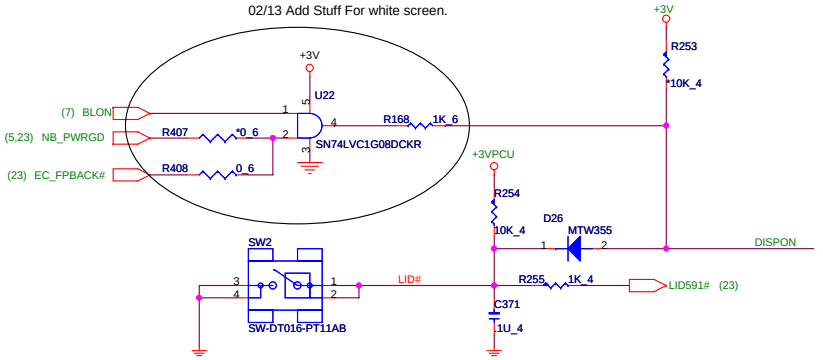


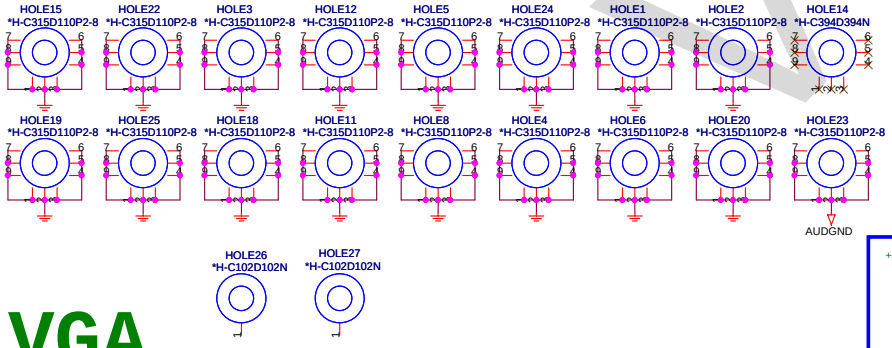
Lid Switch

05/05 Add Resistor 1Kohm on Buffer output.

04/28 The Solve Boot up white line on LG LCD issue.

02/13 Add Stuff For white screen.

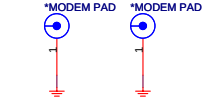




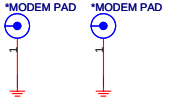
VGA

3/31 Add EMI Solution

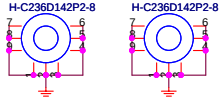
EMI PAD



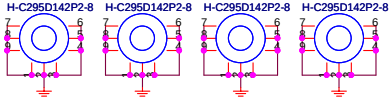
Modem

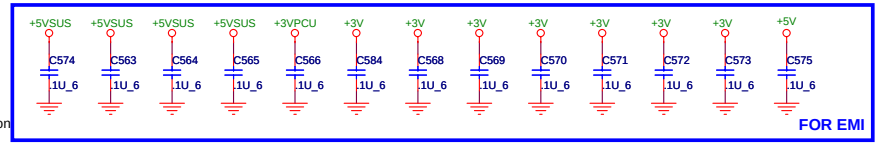


NB SINK



CPU SINK



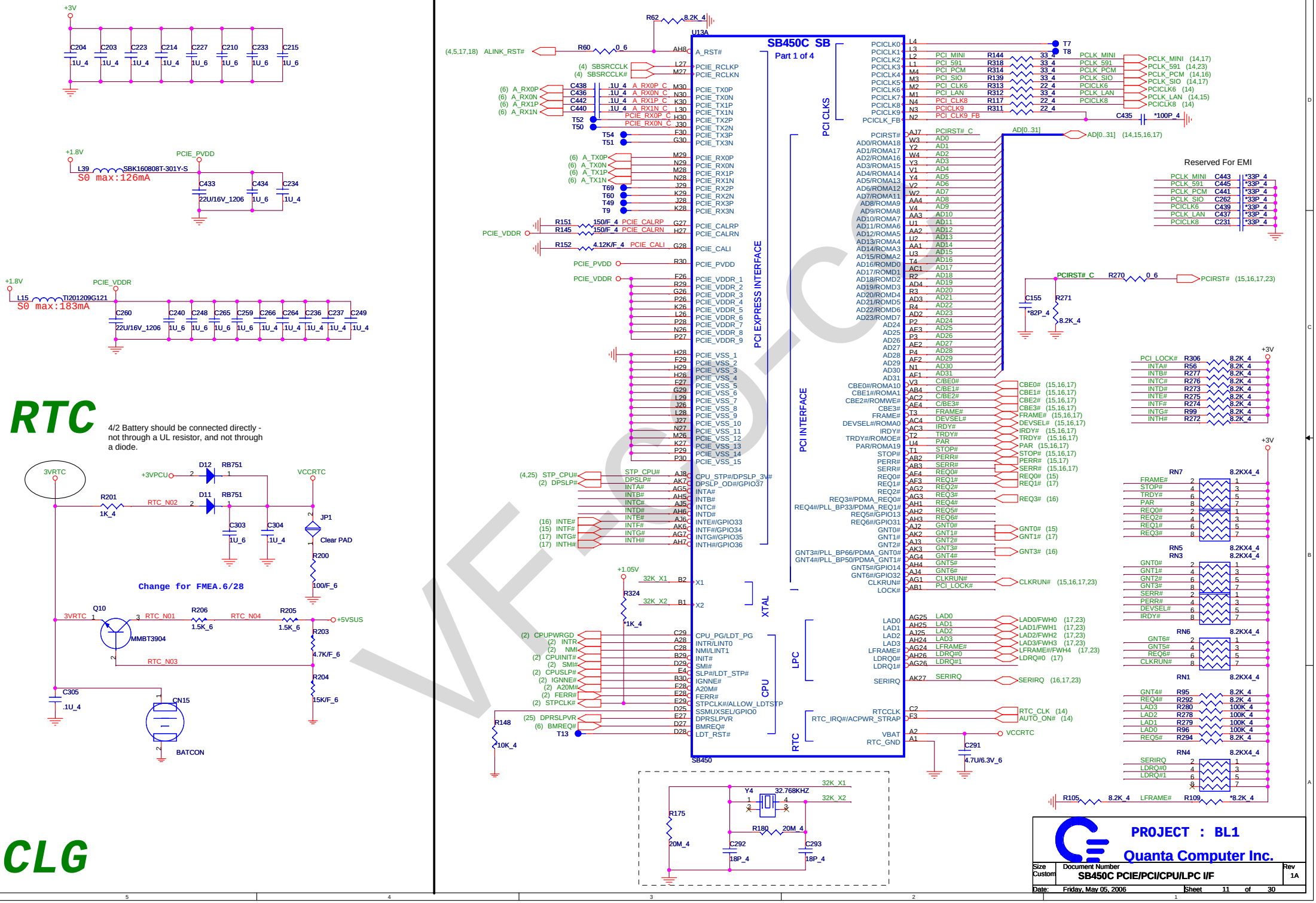


PROJECT : BL1

Quanta Computer Inc.

Size	Document Number	Rev
	VGA Ports, LID, & HOLES	3B

Date: Wednesday, May 10, 2006 Sheet 10 of 30


RTC
4/2 Battery should be connected directly - not through a UL resistor, and not through a diode.
Change for FMEA.6/28
SB450C SB
Part 1 of 4
PCI EXPRESS INTERFACE
PCI INTERFACE
PCI CLKS
XTAL
LPC
CPU
RTC
SB450
Reserved For EMI
PROJECT : BL1
Quanta Computer Inc.
SB450C PCIE/PCI/CPU/LPC I/F
Size Custom
Rev 1A
Date: Friday, May 05, 2006
Sheet 11 of 30
CLG

PU/PD

SUSB#	R181	4.7K_4
SUSC#	R160	4.7K_4
DNBSWON#	R179	4.7K_4
TEMP_ALARM#	R184	4.7K_4
SBPME#	R182	4.7K_4
SWI#	R170	10K_4
SCI#	R174	10K_4
SUS_STAT#	R178	*10K_4
GPM7#	R185	10K_4
GEVENT8#	R171	10K_4
H_THERMTRIP#	R165	10K_4
EMAIL_LED#	R183	4.7K_4

R334	4.7K_4	GPIO7
R81	10K_4	RCIN#
R192	4.7K_4	EXTEVNT1#
R335	4.7K_4	FPBACK#
R186	2.2K_4	SDATA
R193	2.2K_4	SCLK
R410	*4.7K_4	GPIO9
R411	*4.7K_4	GPIO8

4/02 Option W/O CRT GPIO9(R410) to High.

4/02 Option(Normal) CRT GPIO9(R172) to Low.

GPIO11	R167	10K_4
GPIO3	R176	10K_4
GPIO8	R164	10K_4
GPIO9	R172	10K_4
PCSPK	R333	10K_4
GPIO12	R157	10K_4

GPIO6	R191	10K_4
ROM_CS#/GPIO1	R158	10K_4
GPIO4	R163	10K_4
AC_SDIN2	R149	8.2K_4
CD_SDIN1	R161	10K_4
CD_SDIN0	R150	10K_4
AC_BITCLK_R	R166	10K_4

	GPIO9 PIN	GPIO8 PIN
CRT	LOW	
W/O CRT	HIGH	
Modem		LOW
W/O Modem		HIGH

USB power

KBSMI# R196 4.7K_4
USB_OCP1# R197 10K_4
RN2 10KX4_4
USB_OCP4#
USB_OCP3#
USB_OCP2#

LUSB1 R194 10K_4
LUSB2 R195 10K_4

USB power use S3 power,But Over current signal datasheet is S5 only,But ATI FAE say use S3 is ok

+3VSUS L16 TI201209G121 S0 max:382.7mA
AVDD_USB
C263 22U/16V_1206
C273 C269 C268 C284 C272 C285 C280 C283 1U_6

+3VSUS L17 SBK160808T-301Y-S S0 max:11.7mA
+3.3V_AVDDC
C296 22U/16V_1206
C294 1U_6
C286 1U_4

CD_BITCLKA_MD C446 22P_4

CLG

U13D SB450C SB Part 4 of 4

TEMP_ALARM# C6
EMAIL_LED# D5
SBPME# C4
(23) SCI# SCI# D3
(16,23) SUSB# SUSB# B4
(23) SUSC# SUSC# E3
(23) DNBSWON# DNBSWON# B3
(2,6,23) PWROK PWR_BTN# C3
(5) SUS_STAT# PWR_GOOD D4
R328 10K_4 SUS_STAT# F2
R329 10K_4 TEST1 E2
TEST0
(23) GATEA20 GATEA20 AJ26
(23) RCIN# GA20IN AJ27
H_THERMTRIP# KBRST# D6
(23) SWI# SWI# SMBALERT#/THRMTRIP#/GEVENT2# C5
EXTEVNT1# LPC_PME#/GEVENT3# A25
(2) PROCHOT# PROCHOT# LPC_SMI#/EXTEVNT1# D8
+3V_S5 R156 330_4 GPM7# VOLT_ALERT#/GEVENT5# D7
GEVENT8# SYS_RESET#/GPM7# D2
WAKE#/GEVENT8#

ACPI / WAKE UP EVENTS

(23) RSMRST# RSMRST# D1
22ms delay
SB_14M_X1 A23
T71 SB_14M_X2 B23
T41 SIO_CLK AK24

CLK / RST

ROM_CS#/GPIO1 B25
GPIO6 C25
GPIO7 C23
GPIO4 D24
T72 FPBACK# D23
GPIO3 A27
(19) PCSPK PCSPK C24
(4,9) SCLK SCLK A26
(4,9) SDATA SDATA B26
GPIO9 B27
GPIO8 C26
GPIO11 C27
GPIO12 D26

GPIO

(19) CD_BITCLKA CD_BITCLKA R327 33_4
(21) CD_BITCLKA_MD CD_BITCLKA_MD R162 33_4 AC_BITCLK_R J2
R141 *10K_4
(19) CD_SDOUTA R322 33_4 AC_DATA_OUT_R J3
(21) CD_SDOUTA_MD R155 33_4 K2
(19) CD_SYNC R319 33_4 AC_SYNC_R
(21) CD_SYNC_MD R154 33_4
T53 G1
(14) AC_SDOUT G2
(19) CD_SDIN0 CD_SDIN0 H4
(21) CD_SDIN1 CD_SDIN1 G3
T11 G4
T12 H1
T10 H3
(14) SB_SPDIF_OUT H2

AZ_BITCLK
48M_AZ
AZ_SDOUT
AZ_SYNC

(NOT USED)

AC_BITCLK
AC_SDOUT
ACZ_SDIN0
ACZ_SDIN1
ACZ_SDIN2
AC_SYNC
AC_RST#
SPDIF_OUT

AC97

(4) SB_OSCIN R169 0_4 SB_14M_X1

SB450

48M_X1/USBCLK A15 SB_48M_X1
48M_X2 B15 SB_48M_X2
USB_RCOMP C15 USB_RCOMP
USB_VREFOUT D16 T14
USB_ATEST1 C16 T58
USB_ATEST0 D15 T59
USB_OC0#/GPM0# B8 KBSMI# (17,23)
USB_OC1#/GPM1# C8 USB_OCP1#
USB_OC2#/FANOUT1/GPM2# C7 USB_OCP2#
USB_OC3#/GPM3# B7 USB_OCP3#
USB_OC4#/GPM4# B6 USB_OCP4#
USB_OC5#/AZ_RST#/GPM5# A6 AZ_RST#
USB_OC6#/FAN_ALERT#/GEVENT6# B5 LUSB1
USB_OC7#/CASE_ALERT#/GEVENT7# A5 LUSB2

R188 0_6 USBCLK (4)
R189 *0_6
R190 *0_6
R187 11.8K/F_6
R337 33_4 CD_RESET#_MD (21)
R336 33_4 CD_RESET# (19)
R332 10K_4 +3V_S5

USB_HSDP7+ A11
USB_HSDM7- B11
USB_HSDP6+ A10
USB_HSDM6- B10
USB_HSDP5+ A14
USB_HSDM5- B14
USB_HSDP4+ A13
USB_HSDM4- B13
USB_HSDP3+ A18
USB_HSDM3- B18
USB_HSDP2+ A17 USBP2+ (17)
USB_HSDM2- B17 USBP2- (17)
USB_HSDP1+ A21
USB_HSDM1- B21
USB_HSDP0+ A20 USBP3+ (17)
USB_HSDM0- B20 USBP3- (17)

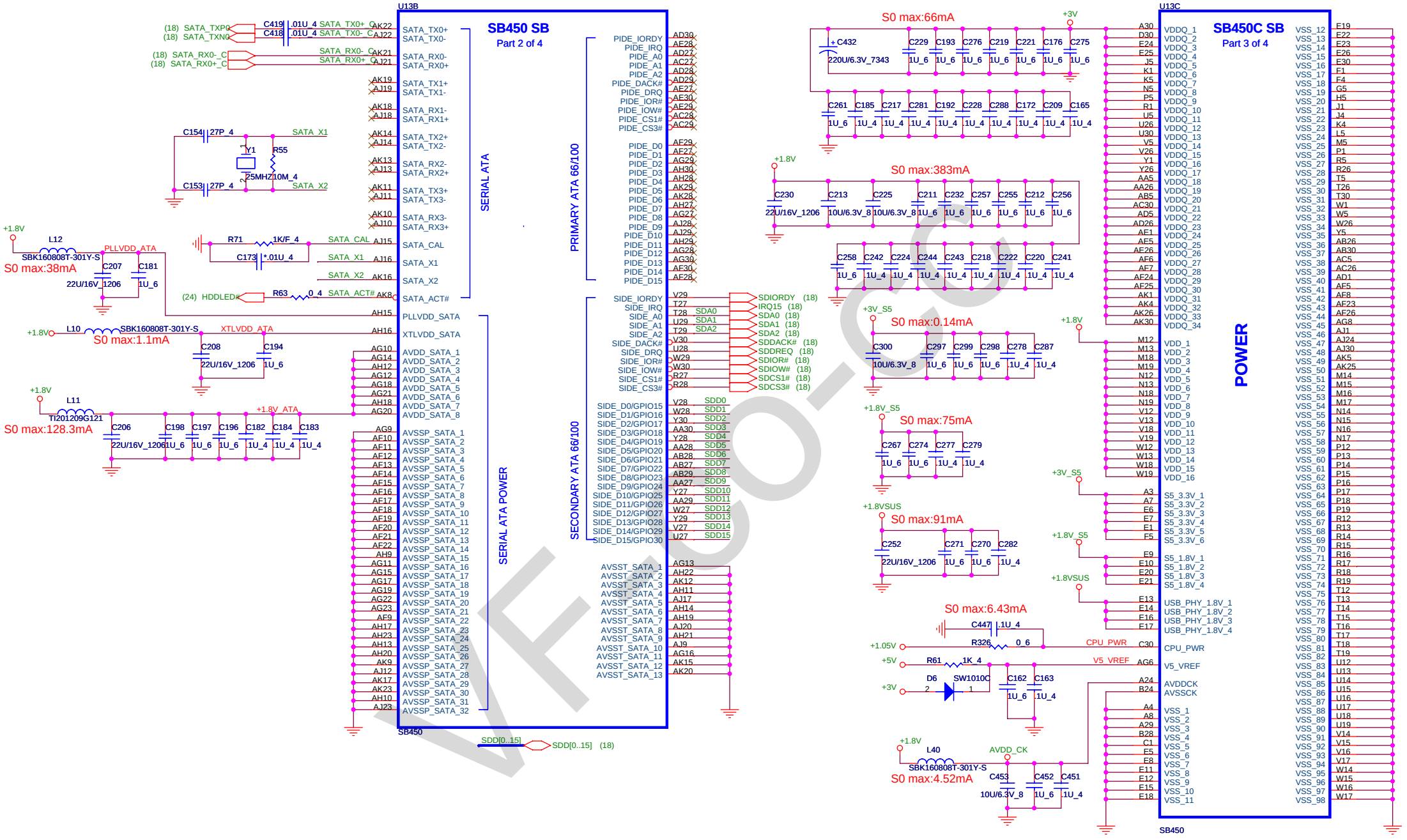
USB INTERFACE

AVDDTX_0 C21 AVDD_USB
AVDDTX_1 C18
AVDDTX_2 D13
AVDDTX_3 D10
AVDDRX_0 D20
AVDDRX_1 D17
AVDDRX_2 C14
AVDDRX_3 C11
AVDDC A16 +3.3V_AVDDC
AVSSC B16
AVSS_USB_1 A9
AVSS_USB_2 A12
AVSS_USB_3 A19
AVSS_USB_4 A22
AVSS_USB_5 B9
AVSS_USB_6 B12
AVSS_USB_7 B19
AVSS_USB_8 B22
AVSS_USB_9 C9
AVSS_USB_10 C10
AVSS_USB_11 C12
AVSS_USB_12 C13
AVSS_USB_13 C17
AVSS_USB_14 C19
AVSS_USB_15 C20
AVSS_USB_16 C22
AVSS_USB_17 D9
AVSS_USB_18 D11
AVSS_USB_19 D12
AVSS_USB_20 D14
AVSS_USB_21 D18
AVSS_USB_22 D19
AVSS_USB_23 D21
AVSS_USB_24 D22

USB PWR

PROJECT : BL1
Quanta Computer Inc.

Size	Document Number	Rev
Custom	SB450C ACPI/GPIO/USB/AC97	3A
Date: Monday, May 08, 2006	Sheet 12 of 30	

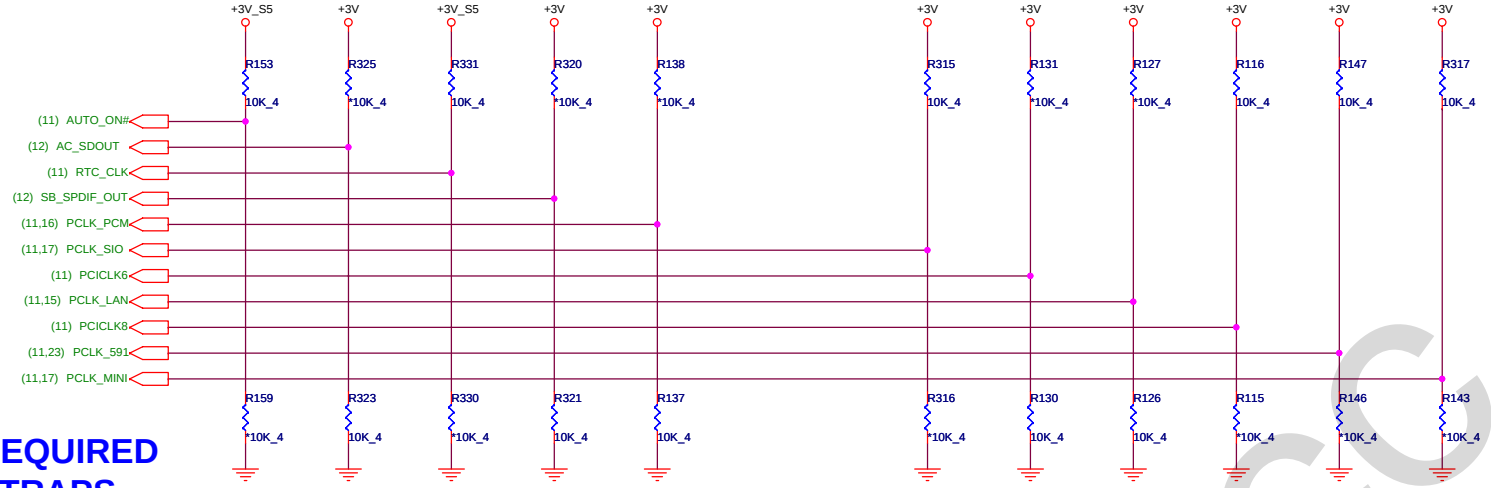


CLG

PROJECT : BL1

Quanta Computer Inc.

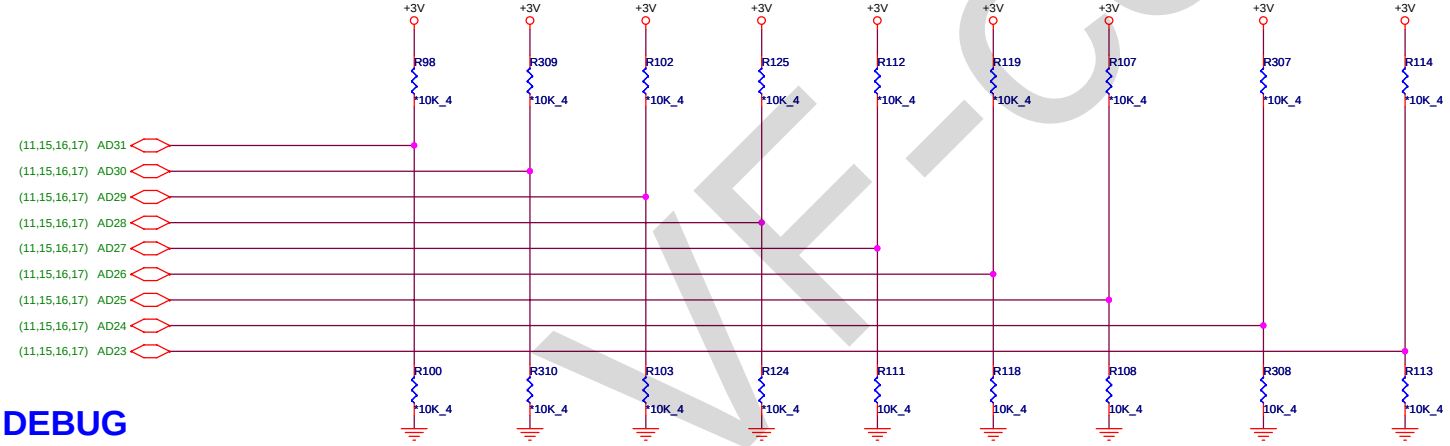
Size	Document Number	Rev
Custom	SB450C HDD/POWER/DECOUPLING	1A
Date: Monday, May 08, 2006	Sheet 13 of 30	



REQUIRED STRAPS

	ACPWRON	AC_SDOUT	RTC_CLK	SPDIF_OUT	PCI_CLK4 PCLK_PCM	PCLK_SIO	PCI_CLK6 PCI_CLK6	PCI_CLK7 PCLK_LAN	PCI_CLK8 PCI_CLK8	PCI_CLK3 PCLK_591	PCI_CLK2 PCLK_MINI*
PULL HIGH	MANUAL PWR ON DEFAULT	USE DEBUG STRAPS	INTERNAL RTC DEFAULT	SIO 24MHz	48MHz use Internal PLL	14MHz OSC MODE DEFAULT	CPU I/F = K8	H,H = PCI(X BUS) ROM H,L = LPC ROM I (LPC addresses are translated to the top of the 4G address space)		USB PHY PWRDOWN DISABLE DEFAULT	48MHz Crystal Pad DEFAULT
PULL LOW	AUTO PWR ON	IGNORE DEBUG STRAPS DEFAULT	EXTERNAL RTC (NOT SUPPORTED W/ IT8712)	SIO 48MHz DEFAULT	48MHz use External Clock DEFAULT	14MHz XTAL MODE	CPU I/F = P4 DEFAULT	L,H = LPC ROM II DEFAULT (addresses mapped to below 1M) L,L = FWH ROM		USB PHY PWRDOWN ENABLE	48MHz OSC/Clock Buffer

*This strap is only required if the strap on PCICLK4 is configured for External Clock.



DEBUG STRAPS

	PDACK#	PCI_AD31	PCI_AD30	PCI_AD29	PCI_AD28	PCI_AD27	PCI_AD26	PCI_AD25	PCI_AD24	PCI_AD23
PULL HIGH	USE LONG RESET DEFAULT	Reserved	Reserved	Reserved	Reserved	BYPASS PCI PLL	BYPASS ACPI BCLK	BYPASS IDE PLL	USE EEPROM PCIE STRAPS	Reserved
PULL LOW	USE SHORT RESET					USE PCI PLL DEFAULT	USE ACPI BCLK DEFAULT	USE IDE PLL DEFAULT	USE DEFAULT PCIE STRAPS DEFAULT	

CLG

PROJECT : BL1

Quanta Computer Inc.

Size	Document Number	Rev
Custom	SB450C STRAPS	1A

Date: Monday, April 03, 2006 Sheet 14 of 30

ID Select : AD18
Interrupt Pin : INTF#
Request Indicate : REQ0#
Grant Indicate : GNT0#

LAN

RTL8110SBL/8100CL

U15

RTL8110SBL
VDD33---+3.3V DIGITAL
AVDDH------+3.3V ANALOG
AVDDL-----+2.5V ANALOG
DVDD-----+1.2V DIGITAL
DVDD_A----+1.2V ANALOG

RTL8100CL
VDD33---+3.3V DIGITAL
AVDDL-----+3.3V ANALOG
DVDD-----+2.5V DIGITAL
AVDDH-----+2.5V ANALOG

Near Lan chipset

Near transformer.

U18 93C46-3GR

U8 NS681687

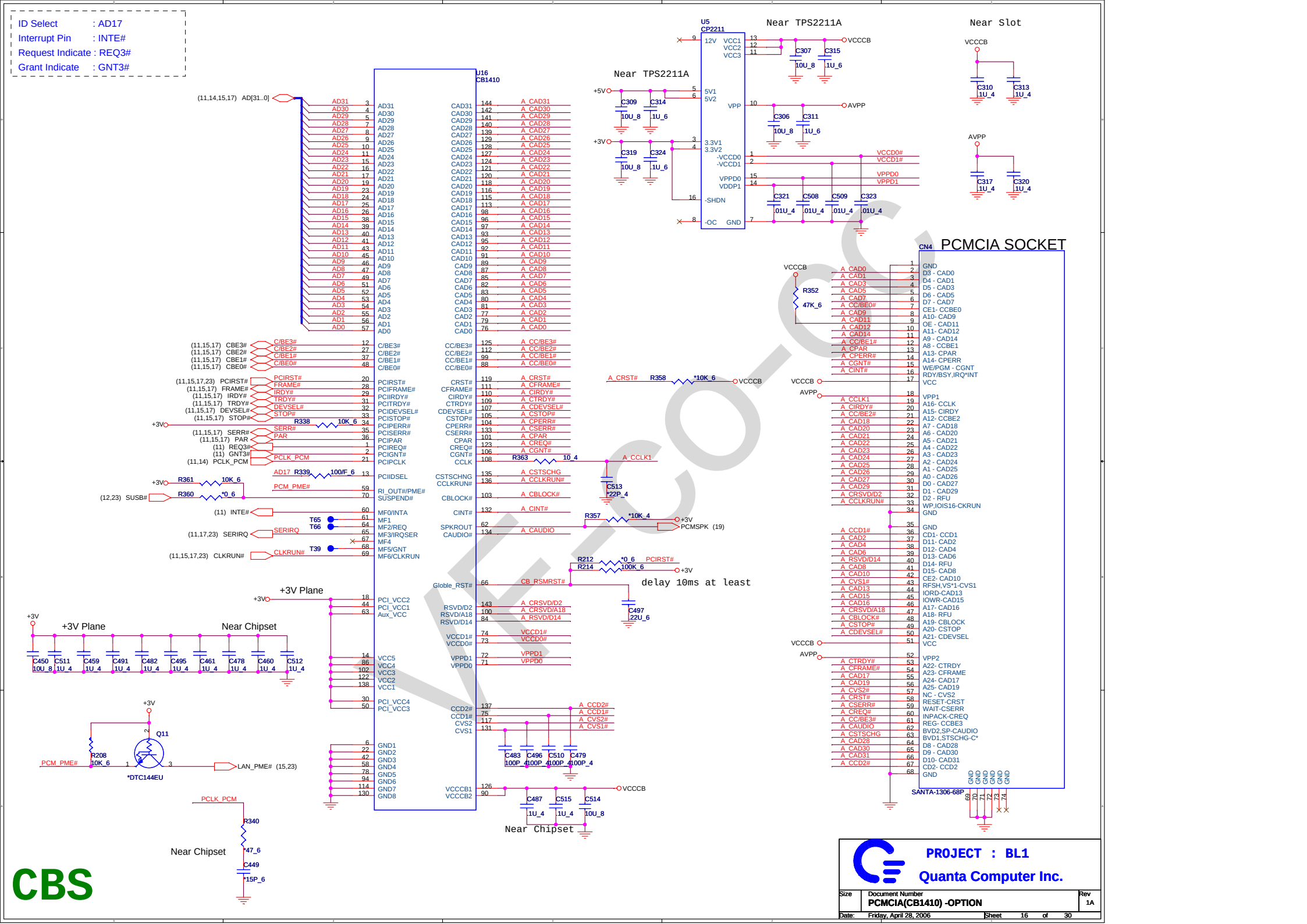
CN9 RJ45-C100F8-100B-8P-L

PROJECT : BL1
Quanta Computer Inc.

Size	Document Number	Rev
	LAN RTL8110SBL/8100CL	1A

Date: Saturday, May 06, 2006 Sheet 15 of 30

ID Select	: AD17
Interrupt Pin	: INTE#
Request Indicate	: REQ3#
Grant Indicate	: GNT3#



CBS

PROJECT : BL1

Quanta Computer Inc.

Size	Document Number	Rev
	PCMCIA(CB1410) -OPTION	1A

Date: Friday, April 28, 2006 Sheet 16 of 30

ID Select : AD20
Interrupt Pin : INTG# , INTH#
Request Indicate : REQ1#
Grant Indicate : GNT1#

MINI-PCI

03/22 Add Diode to avoid EC keep RF_EN Low.

CN18
FOX_MINIPCI_H7.95

D32 MTW355
D21 MTW355

(23,24) WIRELESS_SW#
(23) RF_EN
(11) INTH#
(11,14) PCLK_MINI
(11) REQ1#
(11,14,15,16) AD31
(11,14,15,16) AD29
(11,14,15,16) AD27
(11,14,15,16) AD25
(11,15,16) CBE3#
(11,14,15,16) AD23
(11,15,16) AD21
(11,15,16) AD19
(11,15,16) AD17
(11,15,16) CBE2#
(11,15,16) IRDY#
(11,15,16,23) CLKRUN#
(11,15,16) SERR#
(11,15) PERR#
(11,15,16) CBE1#
(11,15,16) AD14
(11,15,16) AD12
(11,15,16) AD10
(11,15,16) AD8
(11,15,16) AD7
(11,15,16) AD5
(11,15,16) AD3
(11,15,16) AD1
(11,23) LAD0/FWH0
(11,23) LAD1/FWH1
(11,23) LAD2/FWH2
(11,23) LAD3/FWH3
(11,23) LFRAME#/FWH4
(4,5,11,18) ALINK_RST#

RP10 *0X4_4
RLAD0
RLAD1
RLAD2
RLAD3
*0-4 RLFRAME#
R234
R233 *0-4 RLRESET#

TIP	1	2	RING
LAN1	3	4	LAN2
LAN3	5	6	LAN4
LAN5	7	8	LAN6
LAN7	9	10	LAN8
LED_GP	11	12	LED_YP
LED_GN	13	14	LED_YN
NC1	15	16	NC2
-INTB	17	18	+5V
+3V	19	20	-INTA
R(IRQ3)	21	22	R(IRQ4)
GND	23	24	+3VAUX
PCICLK	25	26	-RST
GND	27	28	+3V
-REQ	29	30	-GNT
+3V	31	32	GND
AD31	33	34	-PME
AD29	35	36	(V)
GND	37	38	AD30
AD27	39	40	+3V
AD25	41	42	AD28
(V)	43	44	AD26
-CBE3	45	46	AD24
AD23	47	48	IDSEL
GND	49	50	GND
AD21	51	52	AD22
AD19	53	54	AD20
GND	55	56	PAR
AD17	57	58	AD18
-CBE2	59	60	AD16
-IRDY	61	62	GND
+3V	63	64	-FRAME
-CLKRUN	65	66	-TRDY
-SERR	67	68	-STOP
GND	69	70	+3V
-PERR	71	72	-DEVSEL
-CBE1	73	74	GND
AD14	75	76	AD15
GND	77	78	AD13
AD12	79	80	AD11
AD10	81	82	GND
GND	83	84	AD9
AD8	85	86	-CBE0
AD7	87	88	+3V
+3V	89	90	AD6
AD5	91	92	AD4
(V)	93	94	AD2
AD3	95	96	AD0
+5V	97	98	(V)
AD1	99	100	SERIRQ
GND	101	102	GND
SYNC	103	104	M66EN
SDIN0	105	106	SDOUT
BITCLK	107	108	SDIN1
-AC_PRIMARY	109	110	-RESET
BEEP	111	112	-MPCICACK
AGND	113	114	AGND
+MIC	115	116	+SPK
-MIC	117	118	-SPK
AGND	119	120	AGND
-RI	121	122	NC4
+5VA	123	124	+3VAUX
GND	125	126	GND

INTG# (11)
PCIRST# (11,15,16,23)
GNT1# (11)
PME#
AD30 (11,14,15,16)
AD28 (11,14,15,16)
AD26 (11,14,15,16)
AD24 (11,14,15,16)
R228 150_4 AD20
AD20
AD22 (11,15,16)
AD20 (11,15,16)
PAR (11,15,16)
AD18 (11,15,16)
AD16 (11,15,16)
FRAME# (11,15,16)
TRDY# (11,15,16)
STOP# (11,15,16)
DEVSEL# (11,15,16)
AD15 (11,15,16)
AD13 (11,15,16)
AD11 (11,15,16)
AD9 (11,15,16)
CBE0# (11,15,16)
AD6 (11,15,16)
AD4 (11,15,16)
AD2 (11,15,16)
AD0 (11,15,16)
SERIRQ (11,16,23)
RLDRQ# R226 *0-4 LDRQ#0 (11)
SDIN1_MINI
RKBSMI# R224 *0-4 KBSMI# (12,23)
RRPCLK_SIO R223 *0-4 PCLK_SIO (11,14)

+3V C334 .1U_4 C341 .1U_4 C343 .1U_4 C332 .1U_4
+5V C333 .1U_4 C342 .1U_4

+3VSUS C580 .1U_6 C583 .1U_6
FOR EMI

+3VSUS R225 4.7K_4 SDIN1_MINI
+3VSUS R227 4.7K_4 PME#

PCLK_MINI R229 *22_4 C335 *10P_4
PCLK_SIO R222 *22_4 C331 *10P_4

MPC

USB

U2
G545B2RD1U
+5VSUS
(23) USB_LEFT
USB_LEFT
USBPWR0
R94 *6.34K/F_6

CN13
USBPWR0
C191 100U/6.3V-3528
BUSBP2-
BUSBP2+
USB_DFHD04MR671

02/24 Add 0ohm jumper
R401 *0_4
L38
(12) USBP2-
(12) USBP2+
BUSBP2-
BUSBP2+
RFCM1632100M3
R402 *0_4

U14
G545B2RD1U
+5VSUS
USBPWR1
R142 *6.34K/F_6

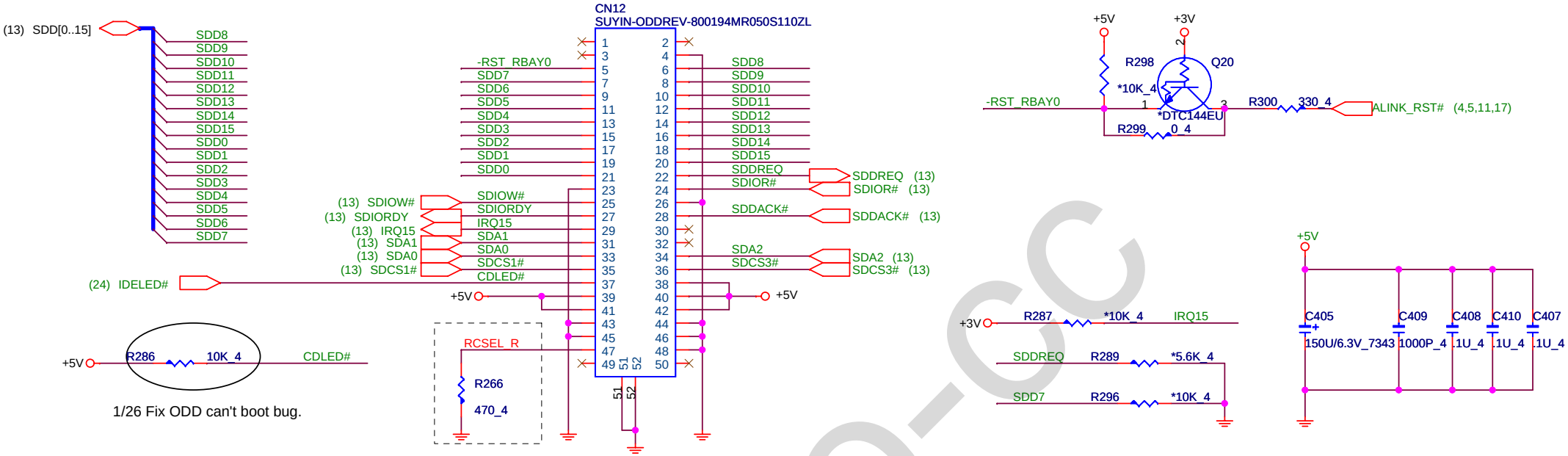
CN14
100U/6.3V-3528
C444
USBPWR1
(12) USBP3-
(12) USBP3+
R376 0_6 USB_P3-
R400 0_6 USB_P3+
4Pin connector

04/28 Del Reserved the Second USB Port.

PROJECT : BL1
Quanta Computer Inc.

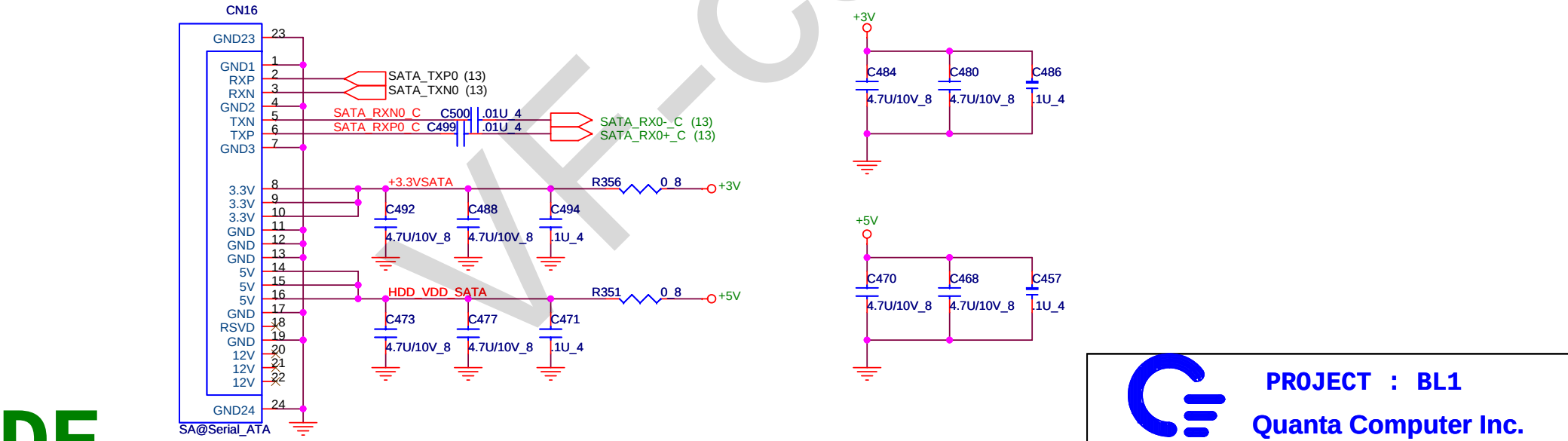
Size	Document Number	Rev
	MINI PCI,USB	3B
Date: Tuesday, May 09, 2006	Sheet 17 of 30	

ODD CONN



1/26 Fix ODD can't boot bug.

SATA HDD CONN

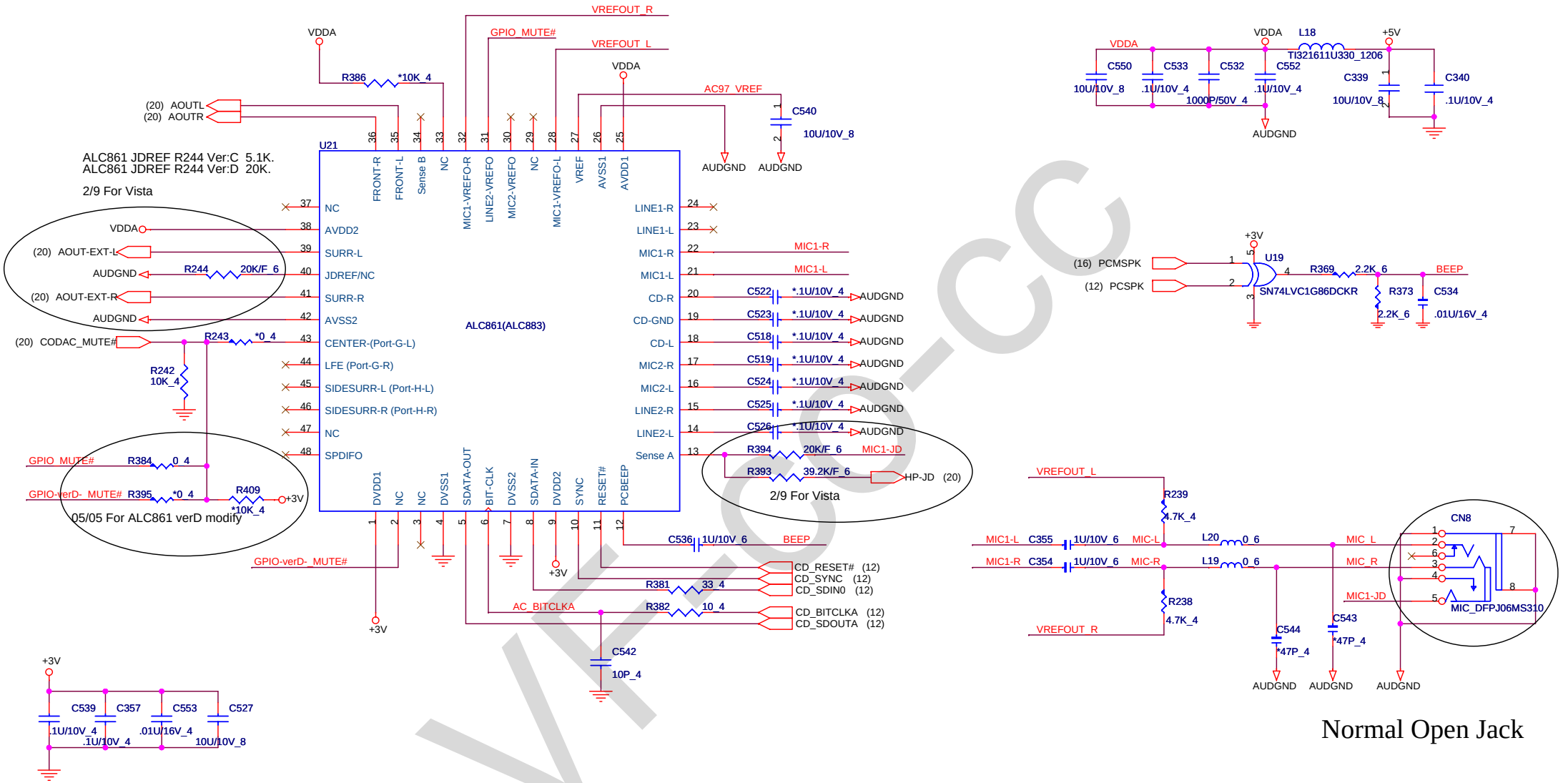


IDE

PROJECT : BL1

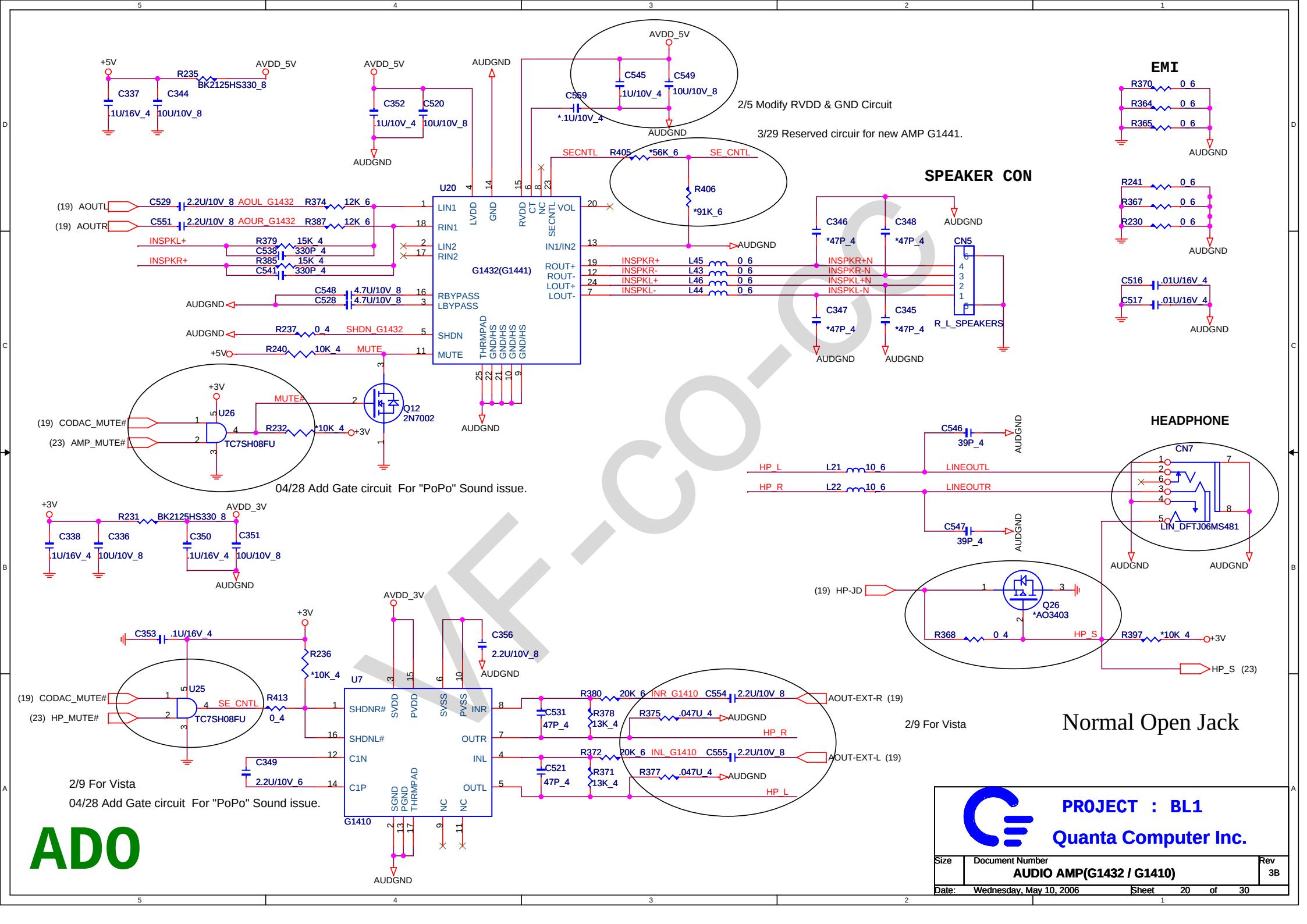
Quanta Computer Inc.

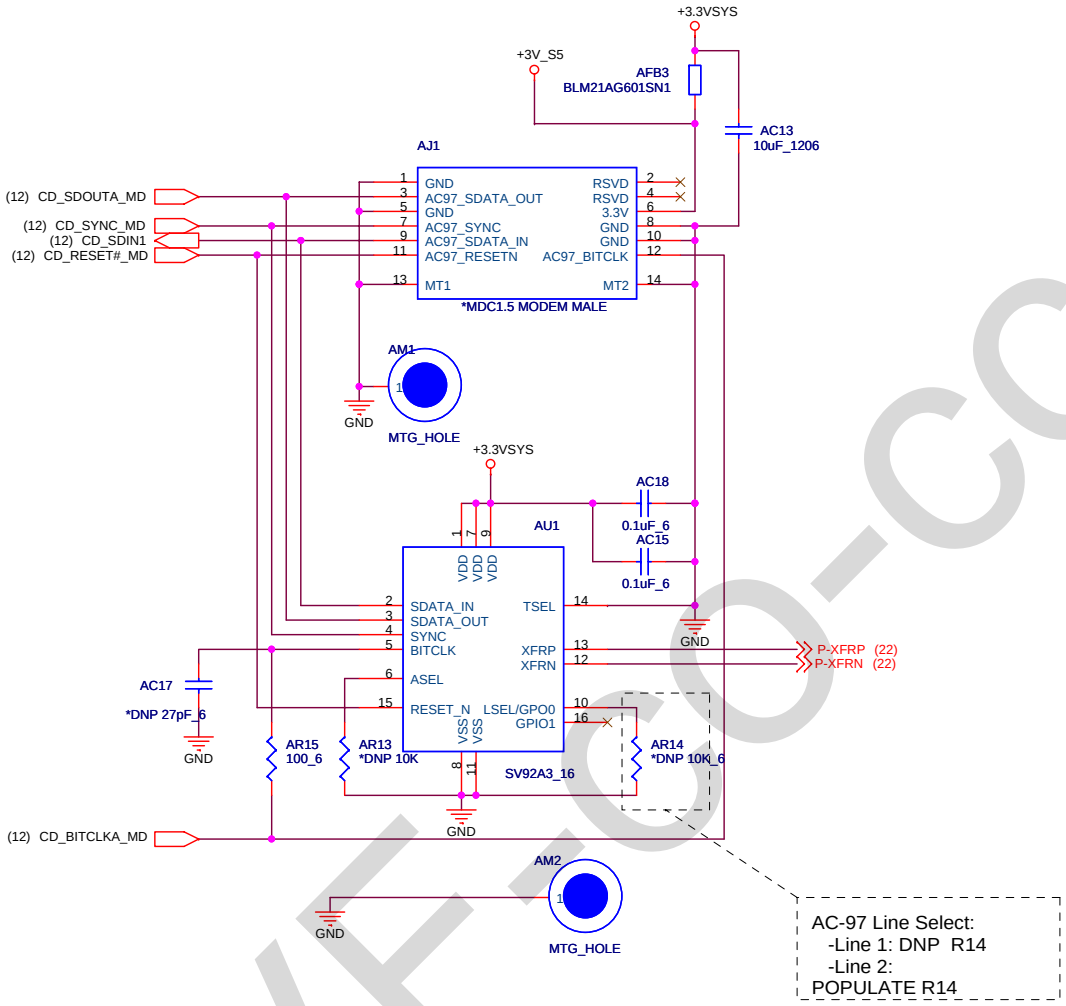
Size	Document Number	Rev
	HDD & CDROM	2A
Date: Monday, May 08, 2006	Sheet 18 of 30	



ADO

PROJECT : BL1		
Quanta Computer Inc.		
Size	Document Number: REALTEK ALC861	Rev: 2A
Date: Friday, May 05, 2006	Sheet 19 of 30	


2/5 Modify RVDD & GND Circuit
3/29 Reserved circuir for new AMP G1441.
EMI
SPEAKER CON
HEADPHONE
U20
G1432(G1441)
LIN1
RIN1
LIN2
RIN2
RBYPASS
LBYPASS
SHDN
MUTE
LVDD
GND
RVDD
CT
NC
SECNTL
VOL
IN1/IN2
ROUT+
ROUT-
LOUT+
LOUT-
THRMPAD
GND/HS
SHDN_G1432
MUTE
SE_CNTL
R_L_SPEAKERS
LIN_DFTJ06MS481
Q12
2N7002
U26
TC7SH08FU
Q26
*AO3403
U25
U7
G1410
SHDNR#
SHDNL#
C1N
C1P
SVDD
PVDD
SVSS
PVSS
INR
OUTR
INL
OUTL
SGND
PGND
NC
AOUTL
AOUTR
INSPKL+
INSPKR+
INSPKR-
INSPKL-
CODAC_MUTE#
AMP_MUTE#
HP_MUTE#
HP-JD
HP_L
HP_R
HP_S
LINEOUTL
LINEOUTR
AOUT-EXT-R
AOUT-EXT-L
AVDD_5V
AVDD_3V
+5V
+3V
AUDGND
04/28 Add Gate circuit For "PoPo" Sound issue.
2/9 For Vista
Normal Open Jack
PROJECT : BL1
Quanta Computer Inc.
AUDIO AMP(G1432 / G1410)
Wednesday, May 10, 2006
Sheet 20 of 30
Rev 3B
ADO



MDM

Pb

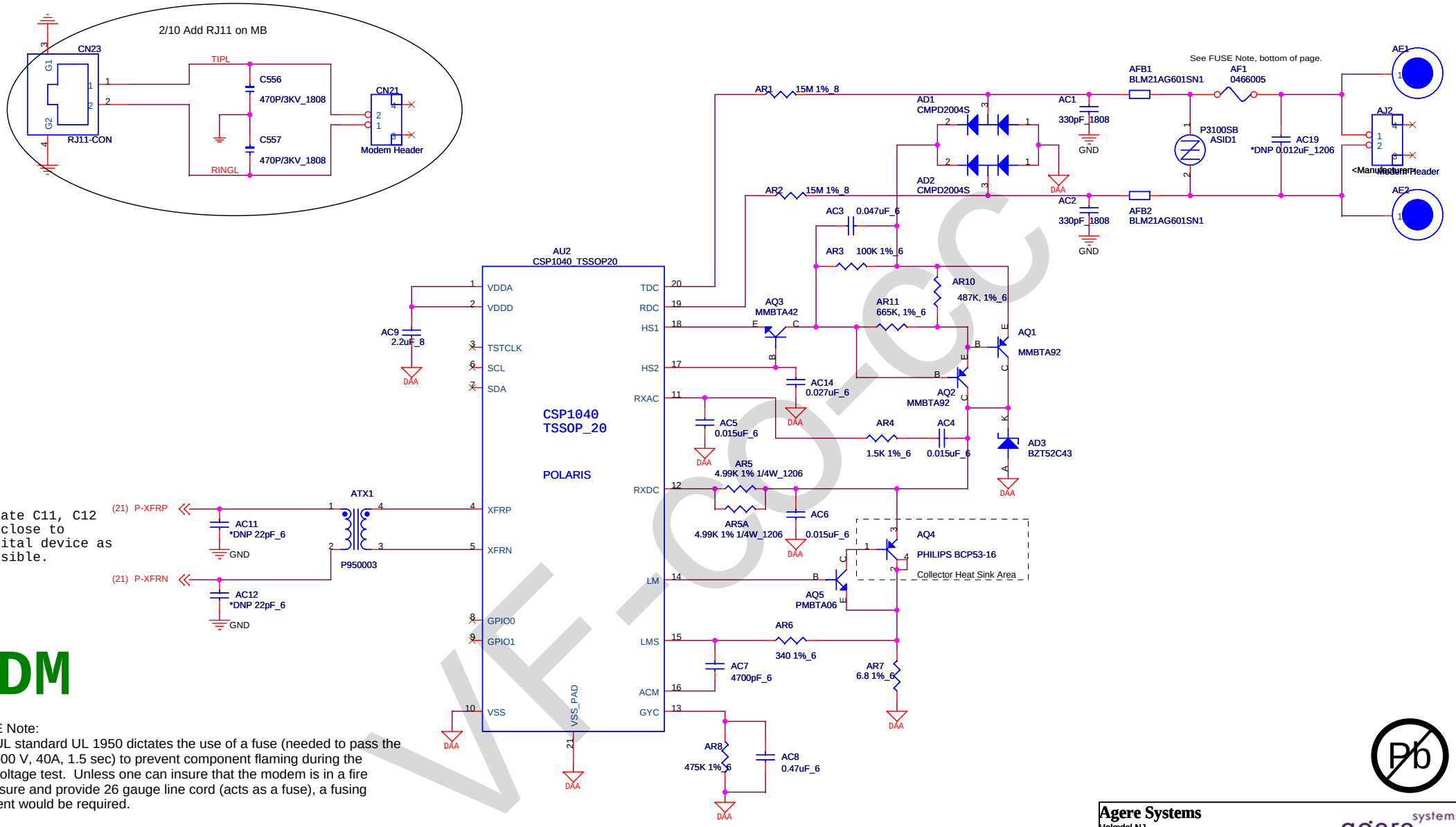
Agere Systems
Holmdel NJ
agere systems

Design Engineer: C. Russo

Title
DELPHI SV92A3 MDC 1.5 Reference Design

Size	Document Number	Rev
B	DIGITAL INTERFACE	1A

Date: Friday, April 28, 2006 Sheet 21 of 30



Locate C11, C12 as close to digital device as possible.

MDM

FUSE Note:
The UL standard UL 1950 dictates the use of a fuse (needed to pass the M1, 600 V, 40A, 1.5 sec) to prevent component flaming during the overvoltage test. Unless one can insure that the modem is in a fire enclosure and provide 26 gauge line cord (acts as a fuse), a fusing element would be required.

Alternatively, if a TNV-1 flame resistant material is used, either as a wrap or cover over the DAA portion of the modem, this could satisfy both overvoltage protection and the separation requirement also contained in UL 1950. This latter requirement provides isolation such that unearthed parts of the DAA cannot be touched by a test finger or test probe.

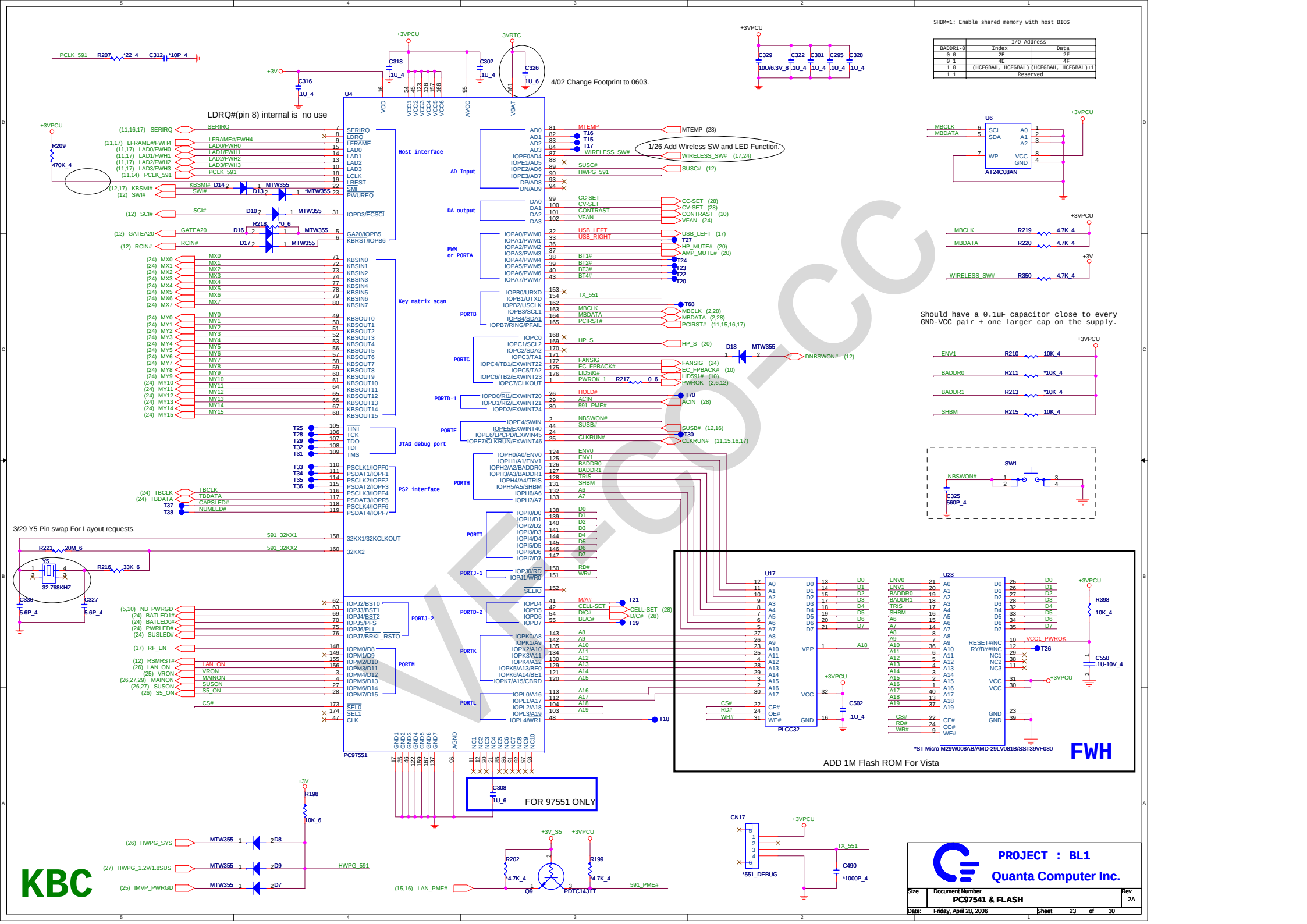
Pb

Agere Systems
Holmdel NJ
Design Engineer: R. Trevino

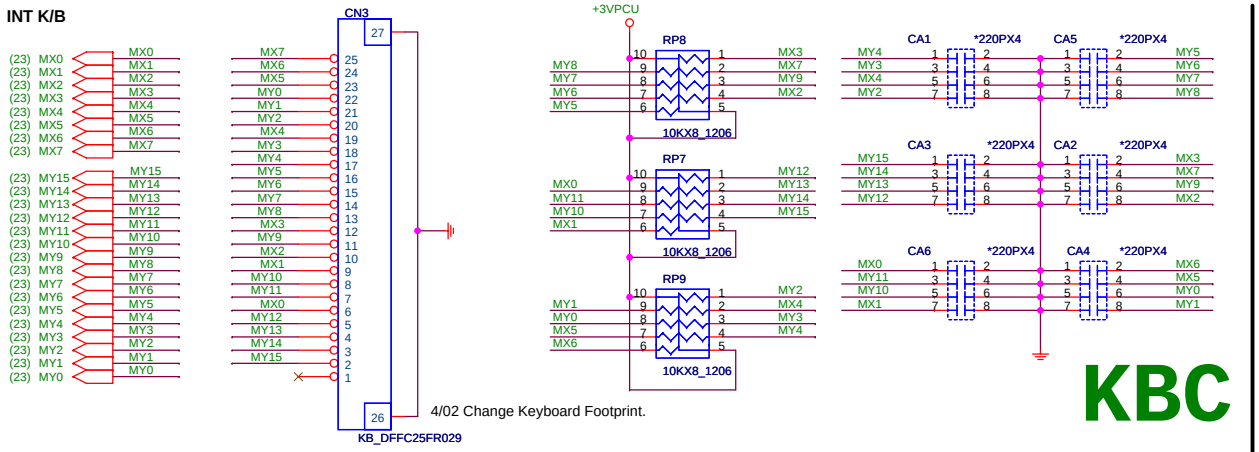
Title: DELPHI SV92A3 MDC 1.5 Reference Design

Size	Document Number	Rev
B	CSP1040 DAA	2A

Date: Saturday, May 06, 2006 Sheet 22 of 30


SHBM=1: Enable shared memory with host BIOS
I/O Address
BADDR1-0 | Index | Data
0 0 | 2E | 2F
0 1 | 4E | 4F
1 0 | (HCFGBAH, HCFGBAL) | (HCFGBAH, HCFGBAL)+1
1 1 | Reserved
4/02 Change Footprint to 0603.
LDRQ#(pin 8) internal is no use
1/26 Add Wireless SW and LED Function.
Should have a 0.1uF capacitor close to every GND-VCC pair + one larger cap on the supply.
3/29 Y5 Pin swap For Layout requests.
ADD 1M Flash ROM For Vista
*ST Micro M29W008AB/AMD-29LV081B/SST39VF080
FWH
FOR 97551 ONLY
PC97551
PLCC32
AT24C08AN
*551_DEBUG
PROJECT : BL1
Quanta Computer Inc.
PC97541 & FLASH
Rev 2A
Friday, April 28, 2006
Sheet 23 of 30
KBC

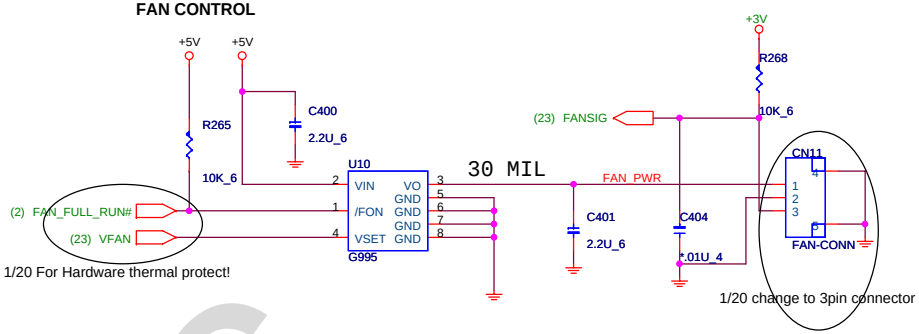
INT K/B



4/02 Change Keyboard Footprint.

KBC

FAN CONTROL



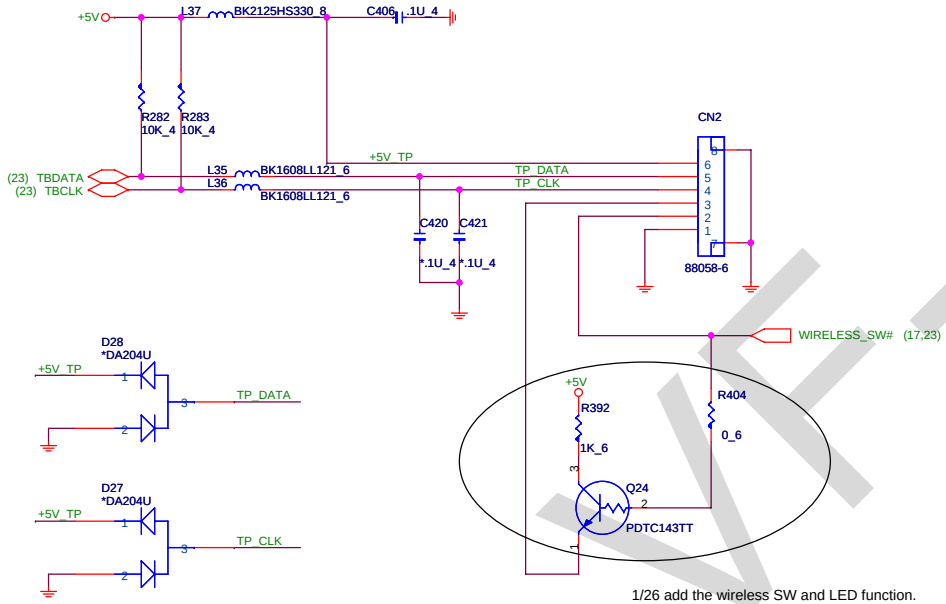
1/20 For Hardware thermal protect!

1/20 change to 3pin connector

THM

TOUCH PAD

20 MIL

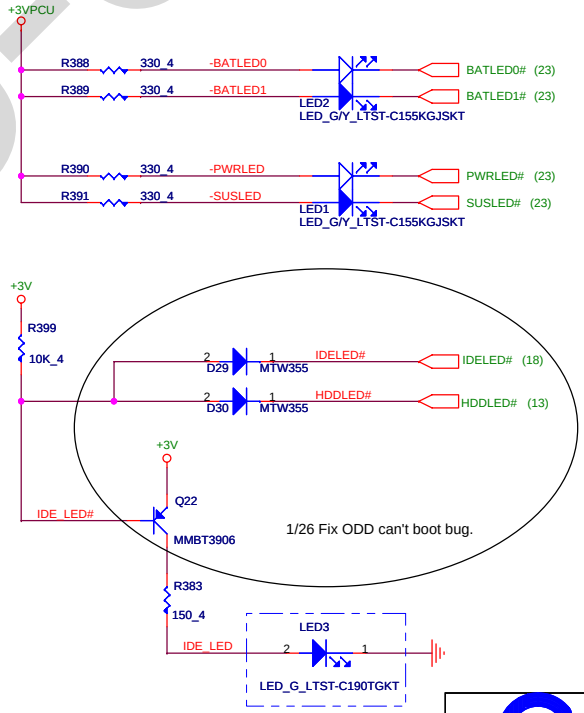


1/26 add the wireless SW and LED function.

3/22 Modify the Wireless Function.

TPD

ON BOARD LED

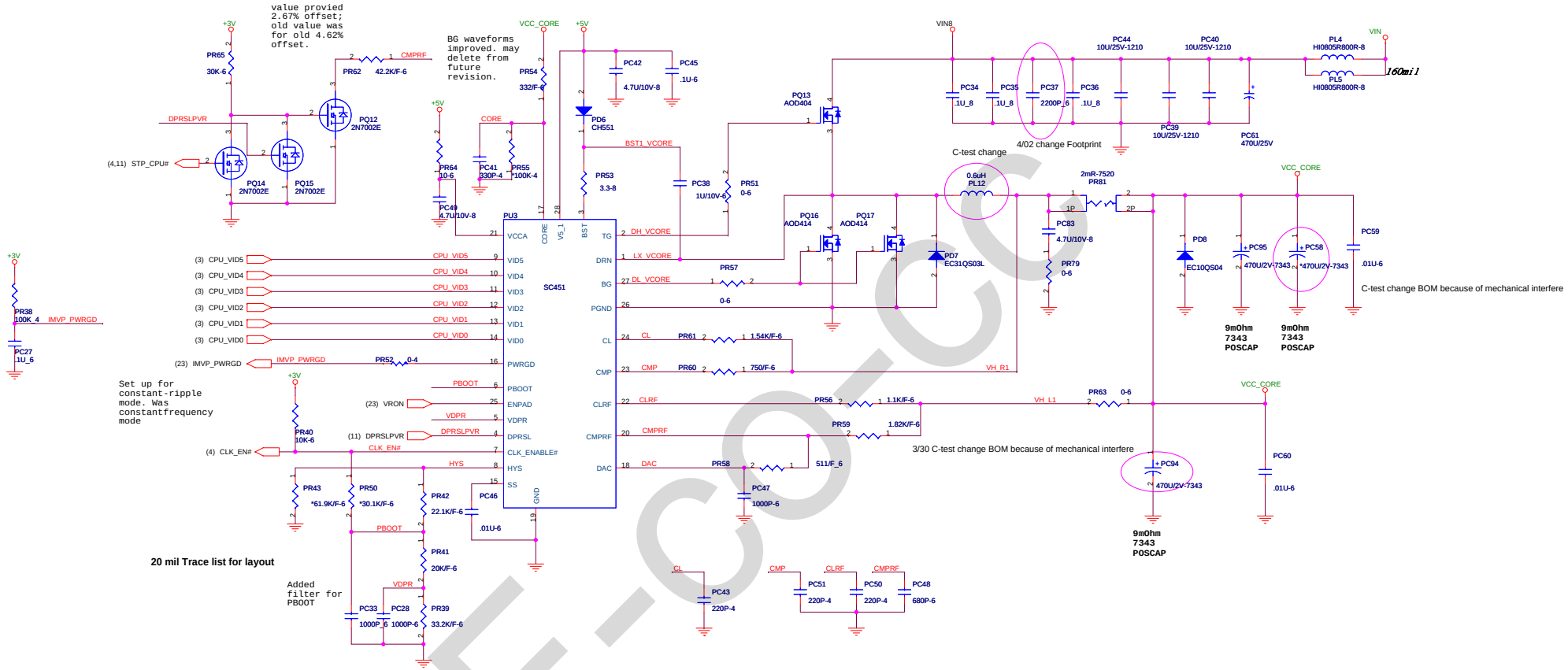


1/26 Fix ODD can't boot bug.

PROJECT : BL1

Quanta Computer Inc.

Size	Document Number	Rev
	T/P,FAN,SWITCH,LED,K/B	3A
Date: Friday, May 05, 2006	Sheet 24 of 30	



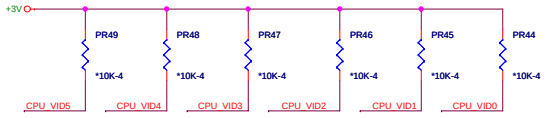
V I D						Vcore
VID 5	VID 4	VID 3	VID 2	VID 1	VID 0	V
0	1	0	1	1	1	1.340
0	1	1	0	0	0	1.324
0	1	1	0	1	0	1.292
0	1	1	1	0	0	1.260
0	1	1	1	0	1	1.244
0	1	1	1	1	1	1.212
1	0	0	0	0	1	1.180
1	0	0	0	1	1	1.148
1	0	0	1	1	0	1.100
1	0	1	0	0	1	1.052
1	0	1	0	1	1	1.020
1	0	1	1	1	0	0.972
1	1	0	0	0	0	0.940

100 mil Trace list for layout

DH_VCORE
LX_VCORE
DL_VCORE
DH_VCORE2
LX_VCORE2
DL_VCORE2

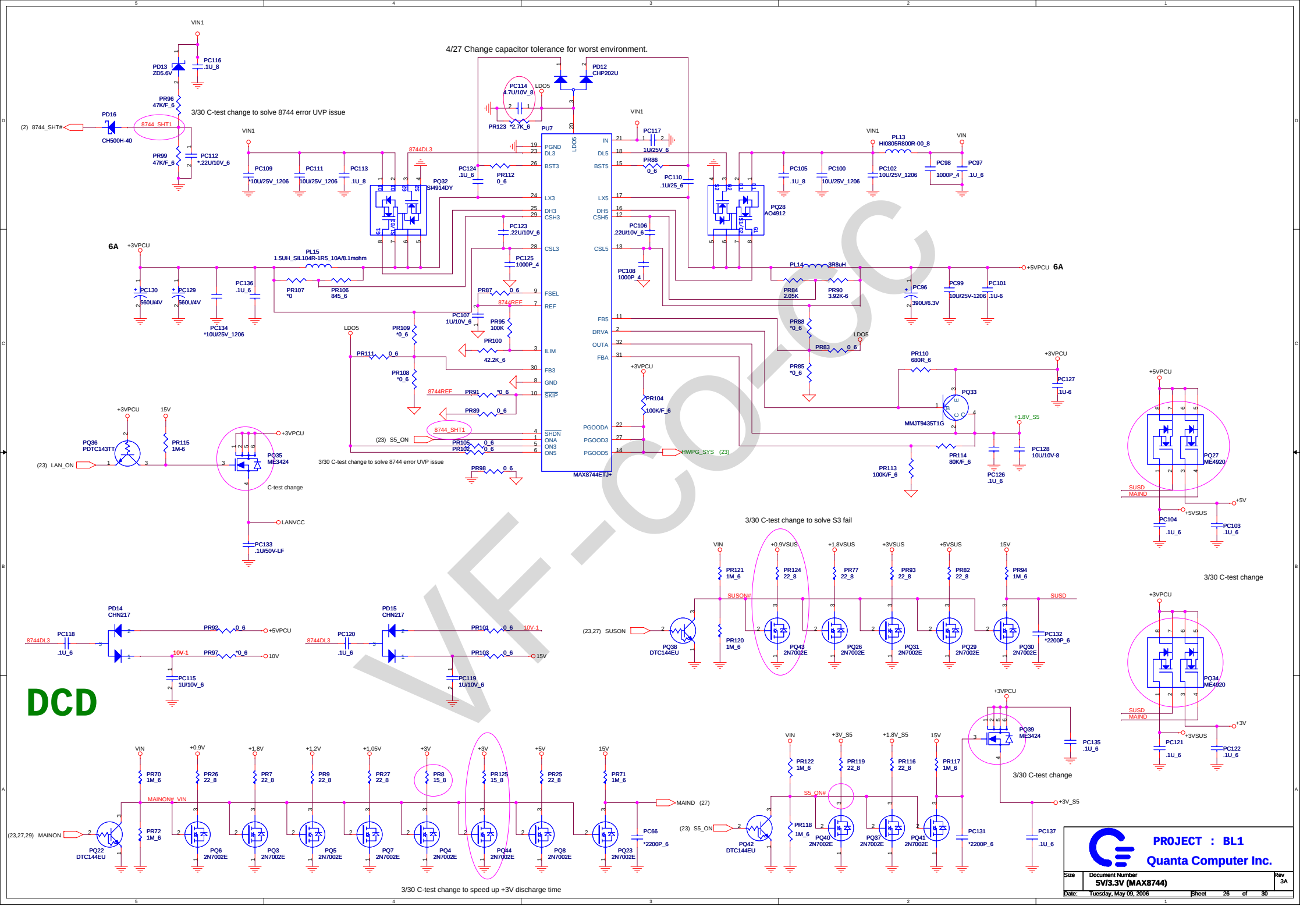
10 mil Trace list for layout

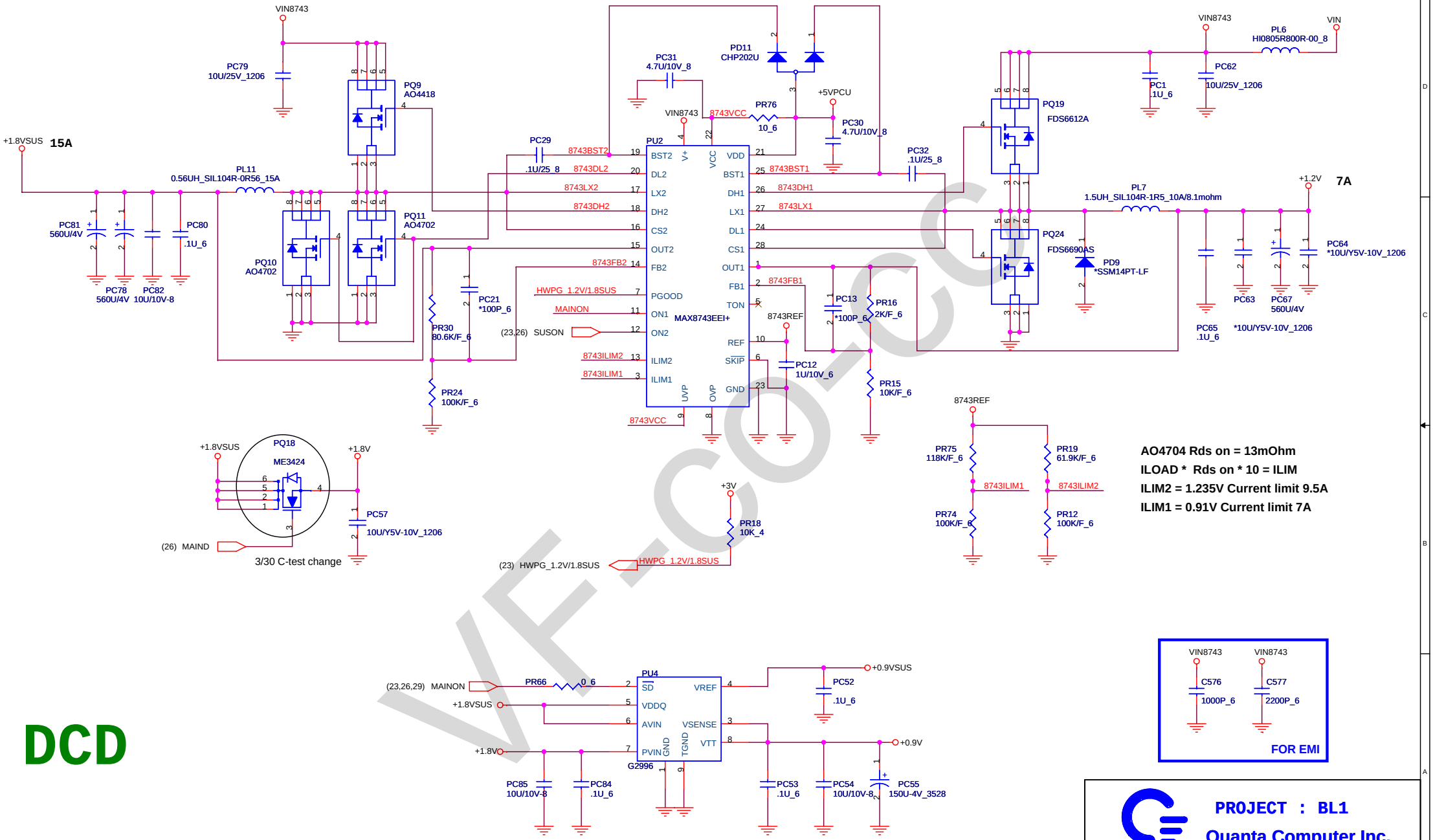
SC1476
pin 4 pin
5 pin 7
pin 25
pin 30

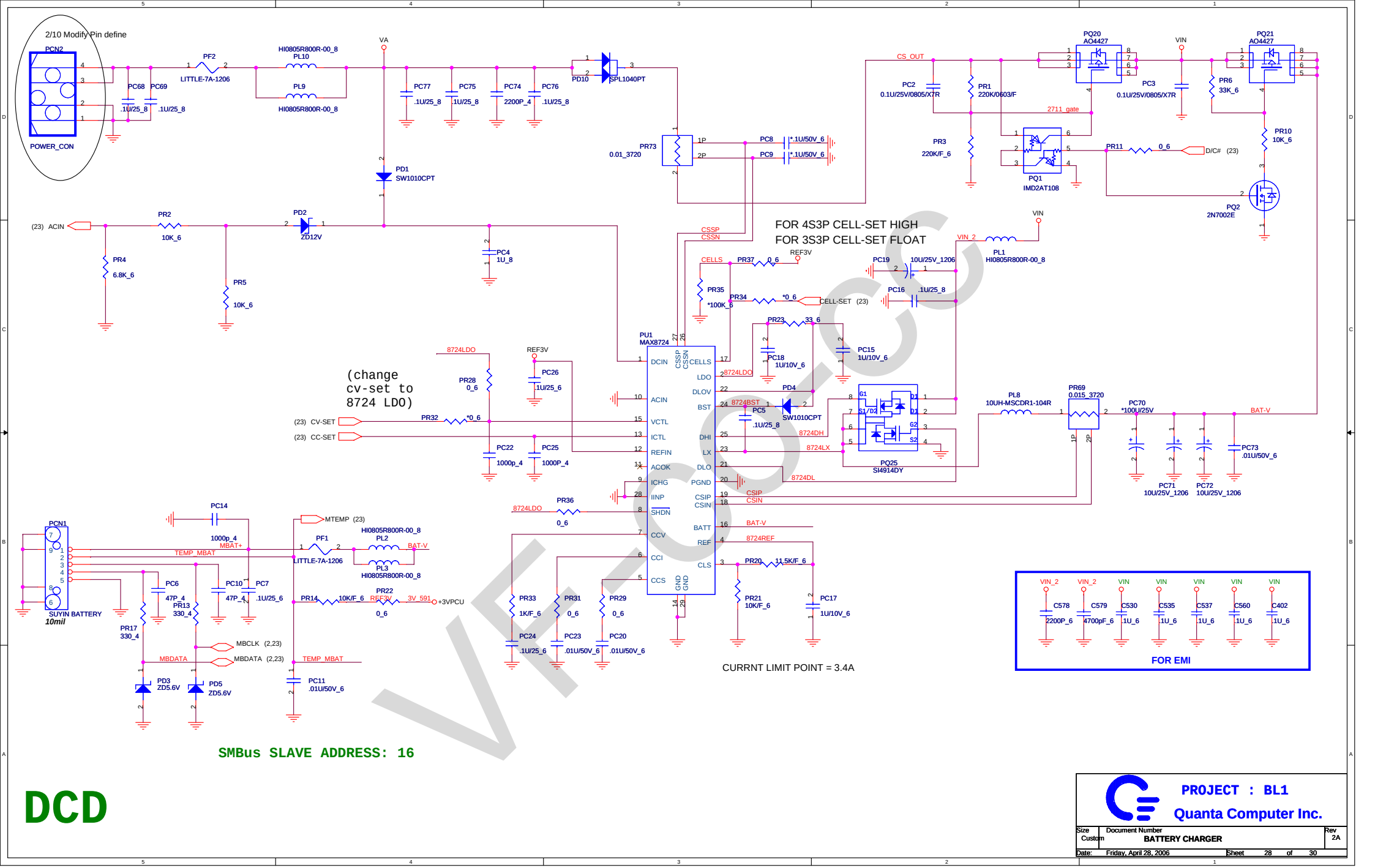


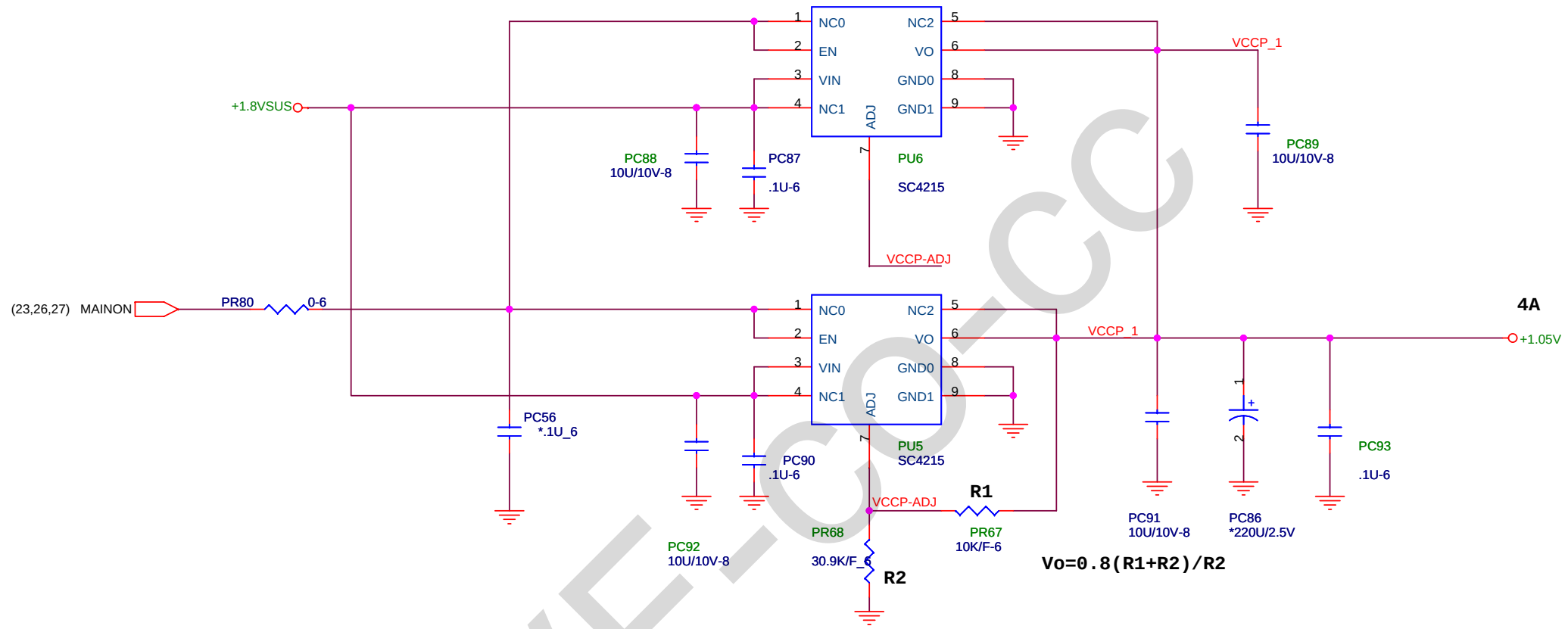
DCD

PROJECT : BL1		
Quanta Computer Inc.		
Size	Document Number: SC451(VCORE)	Rev: 1A
Date: Friday, April 28, 2006	Sheet 25 of 30	


4/27 Change capacitor tolerance for worst environment.
3/30 C-test change to solve 8744 error UVP issue
3/30 C-test change to solve 8744 error UVP issue
C-test change
3/30 C-test change to solve S3 fail
3/30 C-test change
3/30 C-test change
3/30 C-test change to speed up +3V discharge time
MAX8744ETJ+
DCD
PROJECT : BL1
Quanta Computer Inc.
5V/3.3V (MAX8744)
Tuesday, May 09, 2006
26 of 30
VF-CO-CC


VIN8743
PC79
10U/25V_1206
PQ9
AO4418
PD11
CHP202U
PC31
4.7U/10V_8
PR76
10_6
8743VCC
+5VPCU
PC30
4.7U/10V_8
PC32
.1U/25_8
PQ19
FDS6612A
PC1
.1U_6
PC62
10U/25V_1206
PL6
HI0805R800R-00_8
VIN
+1.8VSUS
15A
PL11
0.56UH_SIL104R-0R56_15A
PC81
560U/4V
PC78
560U/4V
PC82
10U/10V-8
PC80
.1U_6
PQ10
AO4702
PQ11
AO4702
PC29
.1U/25_8
PU2
8743BST2
8743DL2
8743LX2
8743DH2
8743FB2
HWPG_1.2V/1.8SUS
MAINON
(23,26) SUSON
8743ILIM2
8743ILIM1
BST2
DL2
LX2
DH2
CS2
OUT2
FB2
PGOOD
ON1
ON2
ILIM2
ILIM1
V+
VCC
VDD
BST1
DH1
LX1
DL1
CS1
OUT1
FB1
TON
REF
SKIP
GND
UVP
OVP
MAX8743EEI+
8743BST1
8743DH1
8743LX1
8743FB1
8743REF
PC21
*100P_6
PR30
80.6K/F_6
PR24
100K/F_6
PC13
*100P_6
PR16
2K/F_6
PC12
1U/10V_6
PR15
10K/F_6
PQ24
FDS6690AS
PD9
*SSM14PT-LF
PL7
1.5UH_SIL104R-1R5_10A/8.1mohm
+1.2V
7A
PC64
*10U/Y5V-10V_1206
PC63
PC67
560U/4V
PC65
.1U_6
*10U/Y5V-10V_1206
AO4704 Rds on = 13mOhm
ILOAD * Rds on * 10 = ILIM
ILIM2 = 1.235V Current limit 9.5A
ILIM1 = 0.91V Current limit 7A
+1.8VSUS
PQ18
ME3424
+1.8V
PC57
10U/Y5V-10V_1206
(26) MAIND
3/30 C-test change
+3V
PR18
10K_4
(23) HWPG_1.2V/1.8SUS
HWPG_1.2V/1.8SUS
8743REF
PR75
118K/F_6
PR74
100K/F_6
PR19
61.9K/F_6
PR12
100K/F_6
8743ILIM1
8743ILIM2
(23,26,29) MAINON
PR66
0_6
+1.8VSUS
+1.8V
PU4
SD
VDDQ
AVIN
PVIN
VREF
VSENSE
VTT
GND
TGND
G2996
+0.9VSUS
+0.9V
PC52
.1U_6
PC53
.1U_6
PC54
10U/10V-8
PC55
150U-4V_3528
PC85
10U/10V-8
PC84
.1U_6
VIN8743
VIN8743
C576
1000P_6
C577
2200P_6
FOR EMI
DCD
PROJECT : BL1
Quanta Computer Inc.
Size
Document Number
+1.8/1.2V / VTT
Rev
1A
Date: Friday, April 28, 2006
Sheet 27 of 30


2/10 Modify Pin define
PCN2
POWER_CON
PF2
LITTLE-7A-1206
HI0805R800R-00_8
PL10
PL9
HI0805R800R-00_8
VA
PC68
PC69
.1U/25_8
.1U/25_8
PC77
.1U/25_8
PC75
.1U/25_8
PC74
2200P_4
PC76
.1U/25_8
PD10
SPL1040PT
PD1
SW1010CPT
PR73
0.01_3720
1P
2P
PC8
*.1U/50V_6
PC9
*.1U/50V_6
CS_OUT
PC2
0.1U/25V/0805/X7R
PR1
220K/0603/F
PQ20
AO4427
VIN
PC3
0.1U/25V/0805/X7R
PQ21
AO4427
PR6
33K_6
2711_gate
PR3
220K/F_6
PQ1
IMD2AT108
PR11
0_6
D/C# (23)
PR10
10K_6
PQ2
2N7002E
(23) ACIN
PR2
10K_6
PD2
ZD12V
PR4
6.8K_6
PR5
10K_6
PC4
1U_8
CSSP
CSSN
FOR 4S3P CELL-SET HIGH
FOR 3S3P CELL-SET FLOAT
VIN
VIN_2
PL1
HI0805R800R-00_8
CELLS
PR37
0_6
REF3V
PC19
10U/25V_1206
PC16
.1U/25_8
PR35
*100K_6
PR34
*0_6
CELL-SET (23)
PR23
33_6
PC18
1U/10V_6
PC15
1U/10V_6
PU1
MAX8724
DCIN
ACIN
VCTL
ICTL
REFIN
ACOK
ICHG
IINP
SHDN
CCV
CCI
CCS
CSSP
CSSN
CELLS
LDO
DLOV
BST
DHI
LX
DLO
PGND
CSIP
CSIN
BATT
REF
CLS
GND
GND
8724LDO
REF3V
PR28
0_6
PC26
.1U/25_6
(change
cv-set to
8724 LDO)
(23) CV-SET
(23) CC-SET
PR32
*0_6
PC22
1000p_4
PC25
1000P_4
PD4
SW1010CPT
PC5
.1U/25_8
8724BST
8724DH
8724LX
8724DL
PQ25
SI4914DY
PL8
10UH-MSCDR1-104R
PR69
0.015_3720
PC70
*100U/25V
PC71
10U/25V_1206
PC72
10U/25V_1206
PC73
.01U/50V_6
BAT-V
CSIP
CSIN
8724LDO
PR36
0_6
BAT-V
8724REF
PR20
11.5K/F_6
PR21
10K/F_6
PC17
1U/10V_6
PR33
1K/F_6
PR31
0_6
PR29
0_6
PC24
.1U/25_6
PC23
.01U/50V_6
PC20
.01U/50V_6
CURRNT LIMIT POINT = 3.4A
PCN1
SUYIN BATTERY
10mil
PC14
1000p_4
MBAT+
TEMP_MBAT
PC6
47P_4
PC10
47P_4
PC7
.1U/25_6
PR13
330_4
PR17
330_4
MTEMP (23)
PF1
LITTLE-7A-1206
HI0805R800R-00_8
PL2
BAT-V
PL3
HI0805R800R-00_8
PR14
10K/F_6
REF3V
PR22
0_6
3V_591
+3VPCU
MBCLK (2,23)
MBDATA
MBDATA (2,23)
TEMP_MBAT
PD3
ZD5.6V
PD5
ZD5.6V
PC11
.01U/50V_6
VIN_2
VIN_2
VIN
VIN
VIN
VIN
VIN
C578
2200P_6
C579
4700pF_6
C530
1U_6
C535
1U_6
C537
1U_6
C560
1U_6
C402
1U_6
FOR EMI
SMBus SLAVE ADDRESS: 16
DCD
PROJECT : BL1
Quanta Computer Inc.
Size
Custom
Document Number
BATTERY CHARGER
Rev
2A
Date: Friday, April 28, 2006
Sheet 28 of 30



DCD

PROJECT : BL1

Quanta Computer Inc.

Size	Document Number	Rev
	+1.05V	1A
Date: Friday, April 28, 2006	Sheet 29 of 30	