

# QUANTA COMPUTER INC.

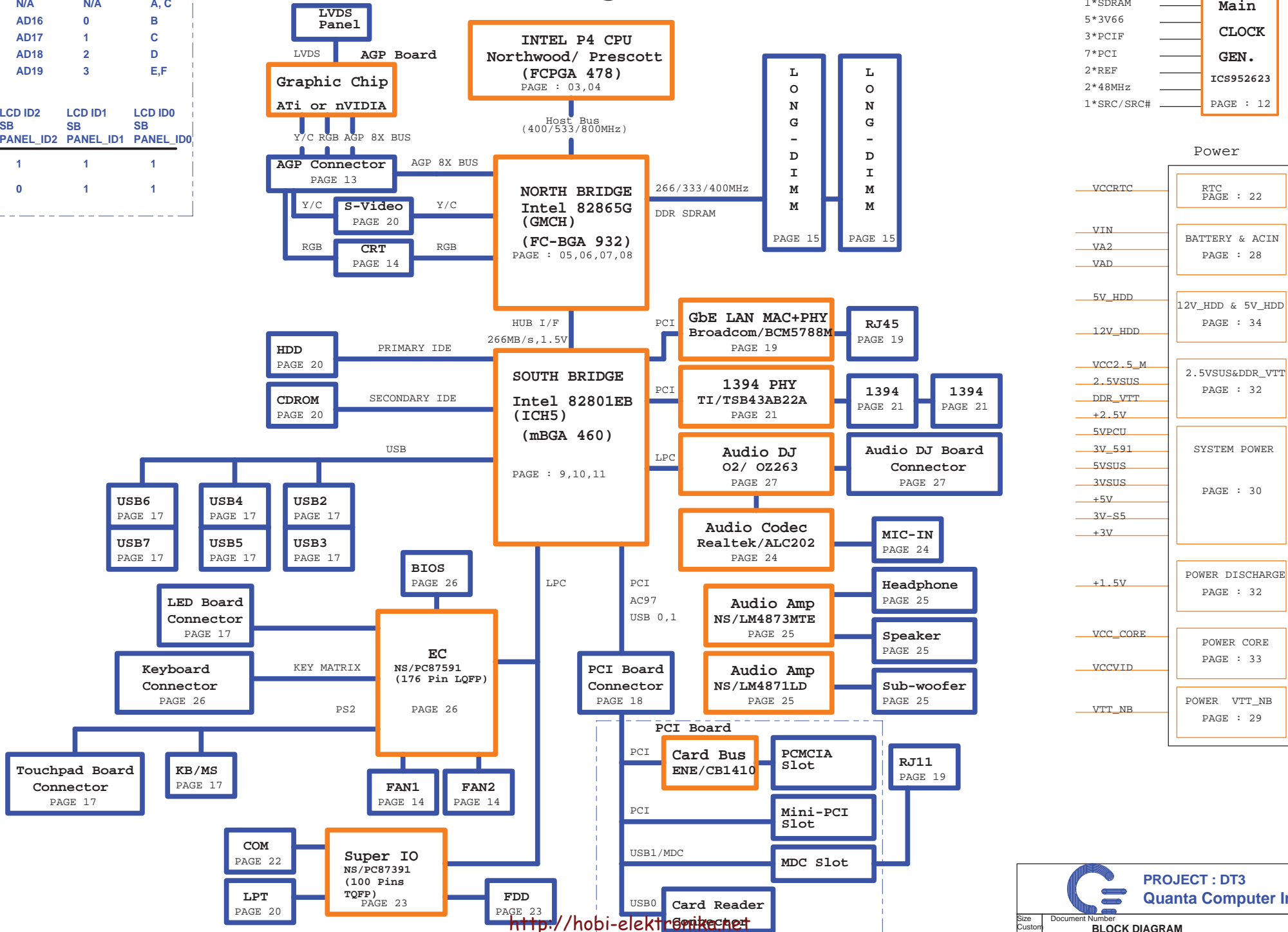
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# DT3

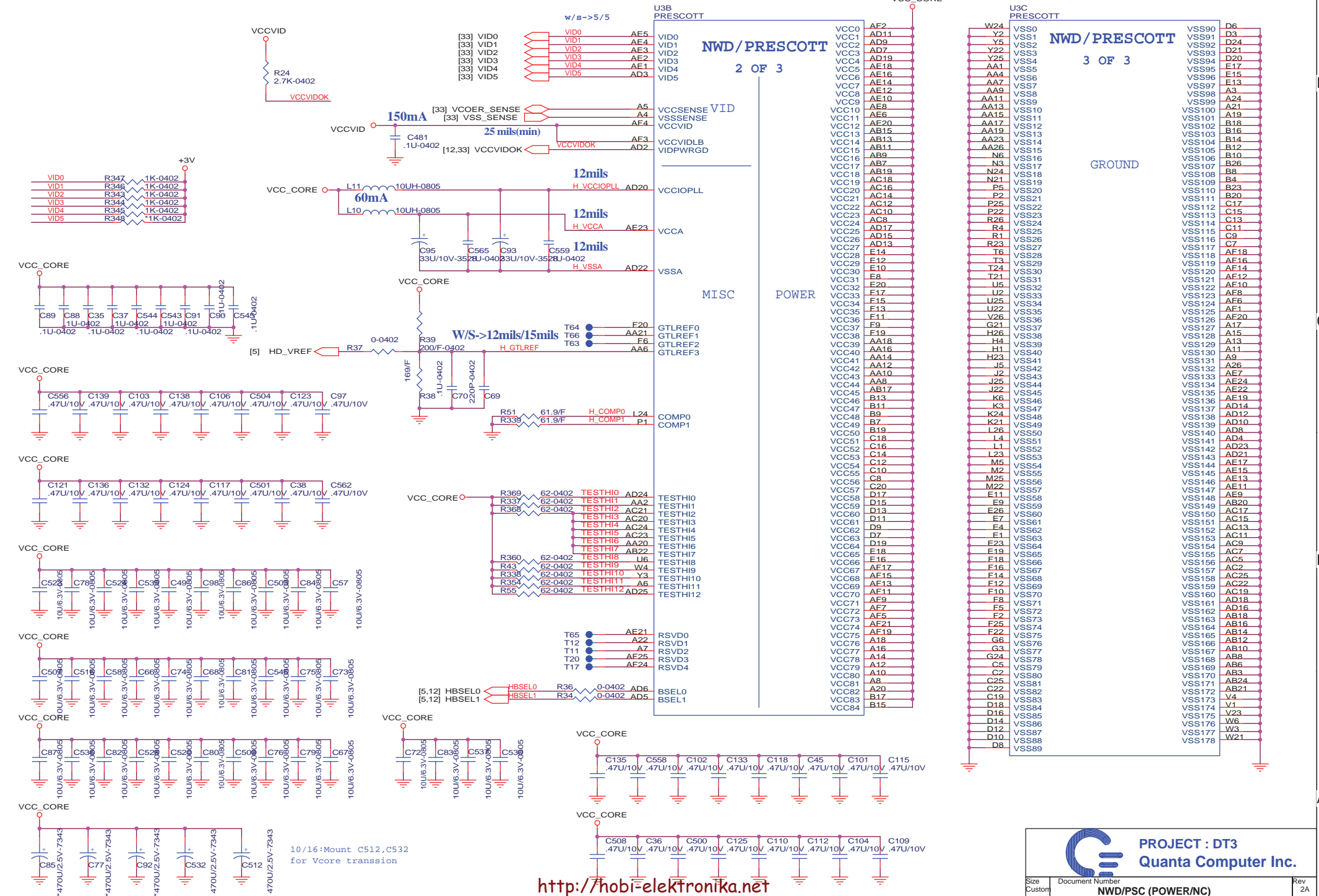
PCI DEVICES	IDSEL #	REQ/GNT #	IRQ
AGP	N/A	N/A	A, C
LAN	AD16	0	B
Card bus	AD17	1	C
1394	AD18	2	D
MINI-PCI	AD19	3	E,F

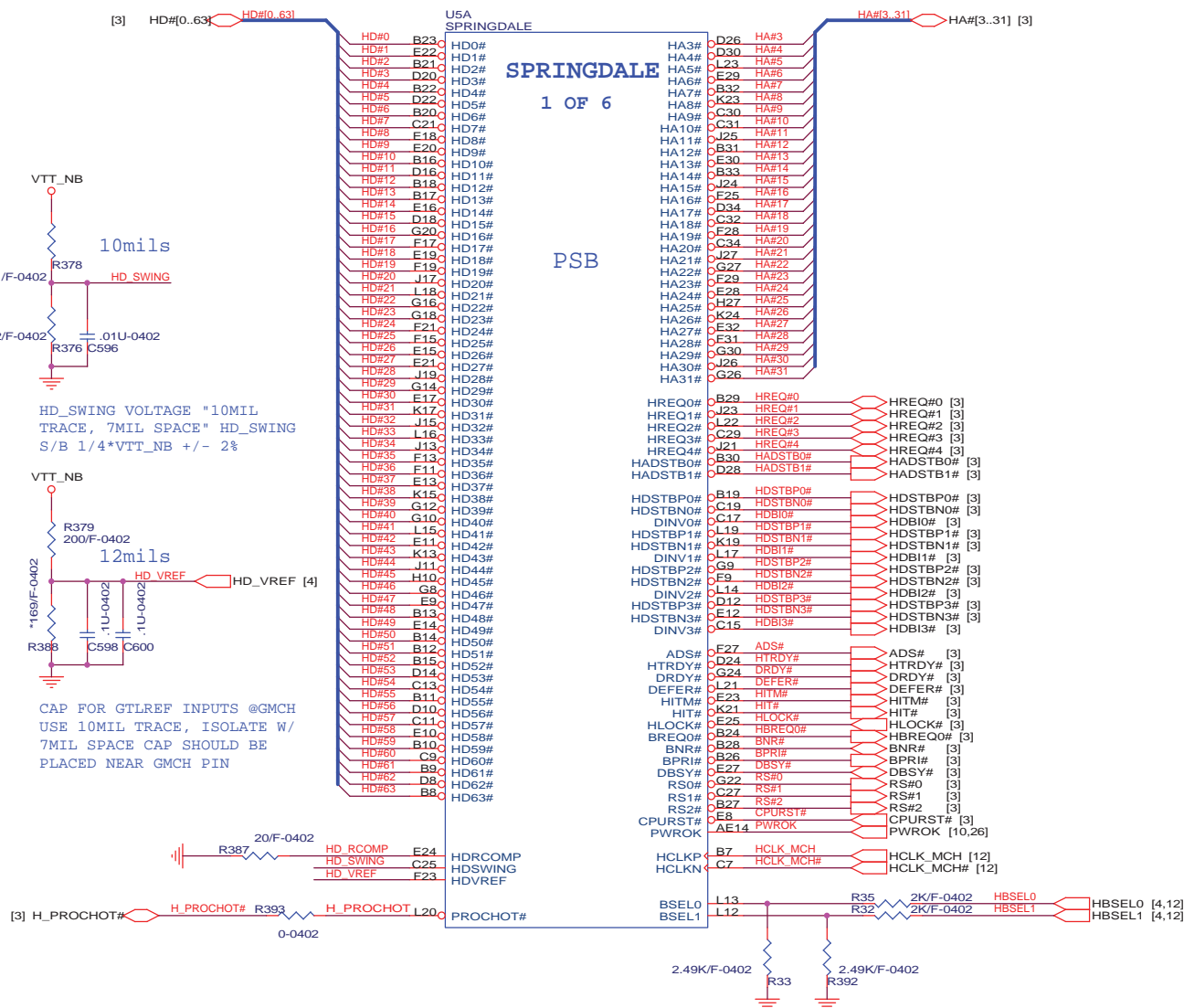
LCD Panel	LCD ID2 SB	LCD ID1 SB	LCD ID0 SB
	PANEL_ID2	PANEL_ID1	PANEL_ID0
17" SXGA	1	1	1
15" XGA	0	1	1

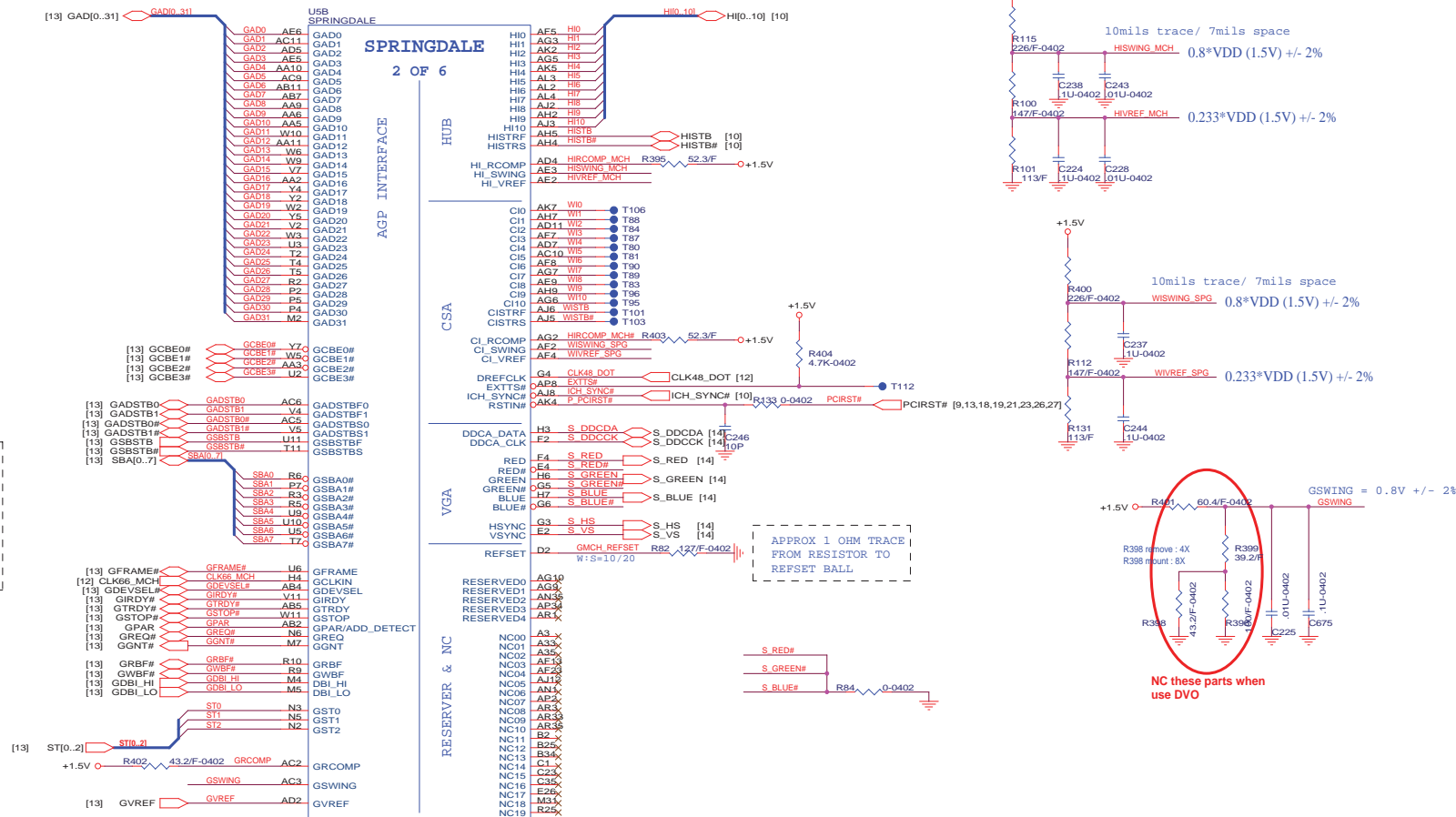




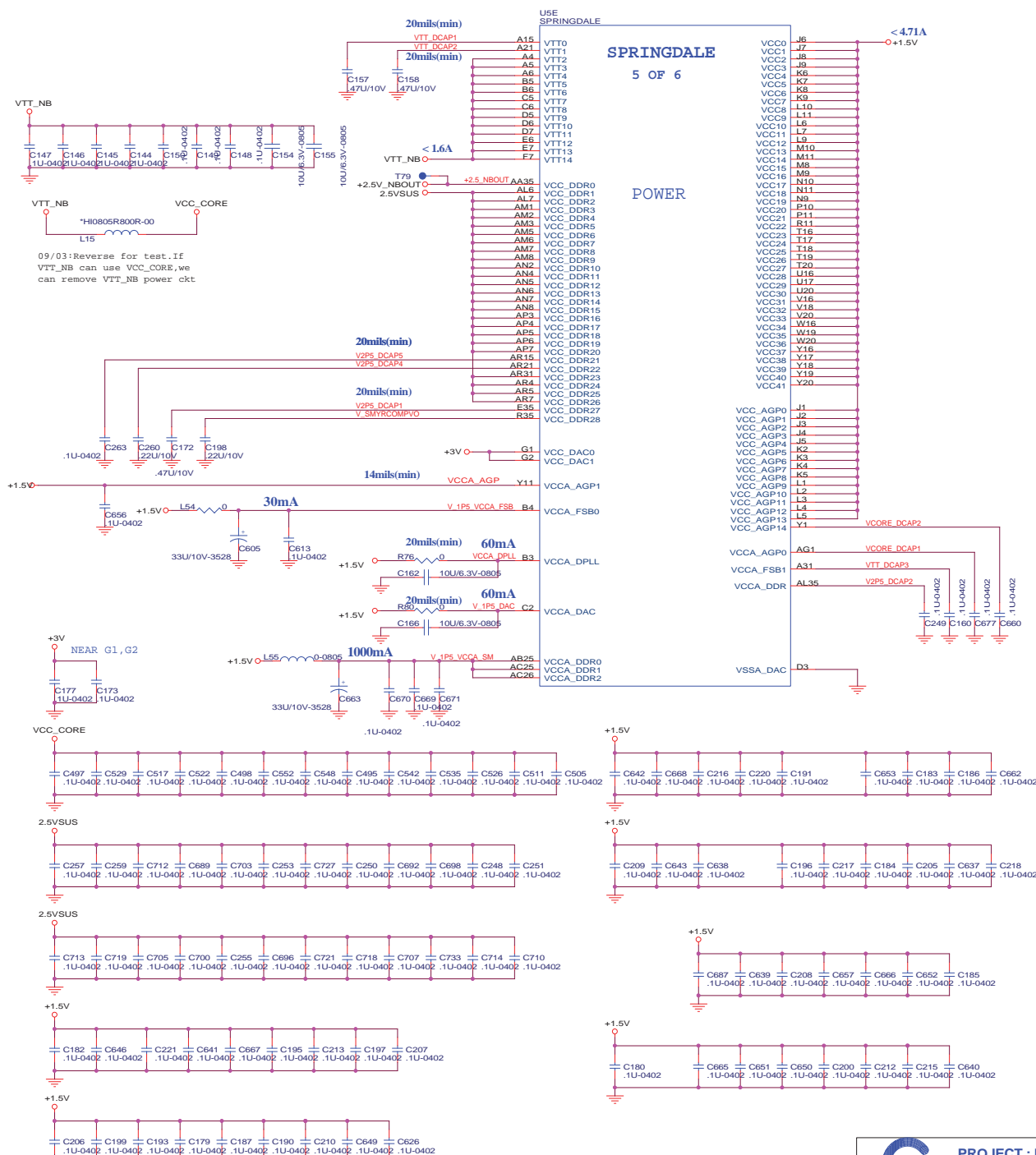
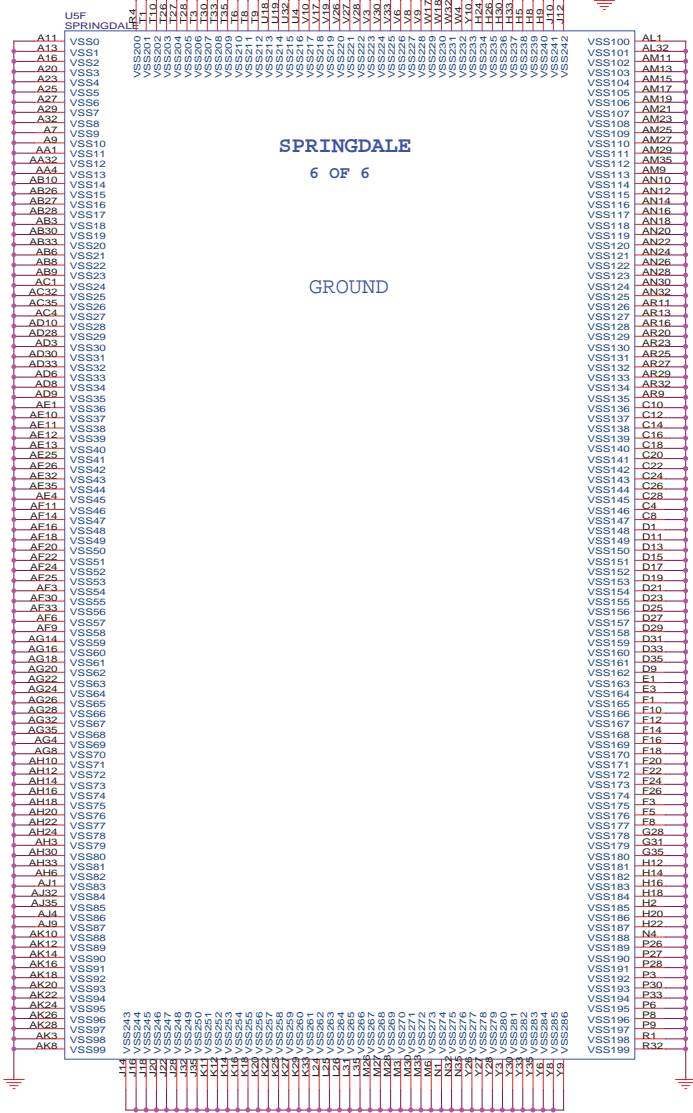


# MCH (Host bus)

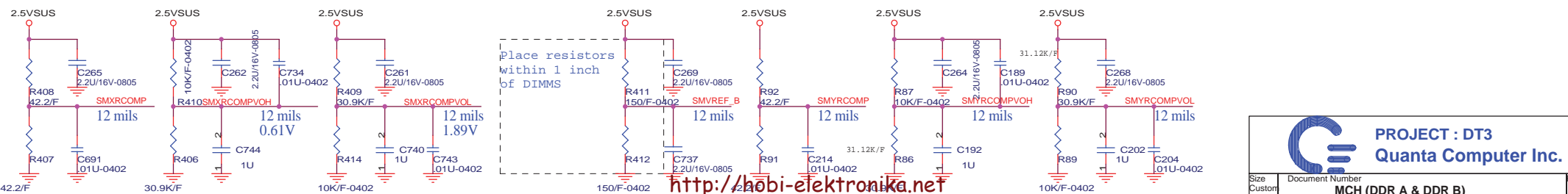
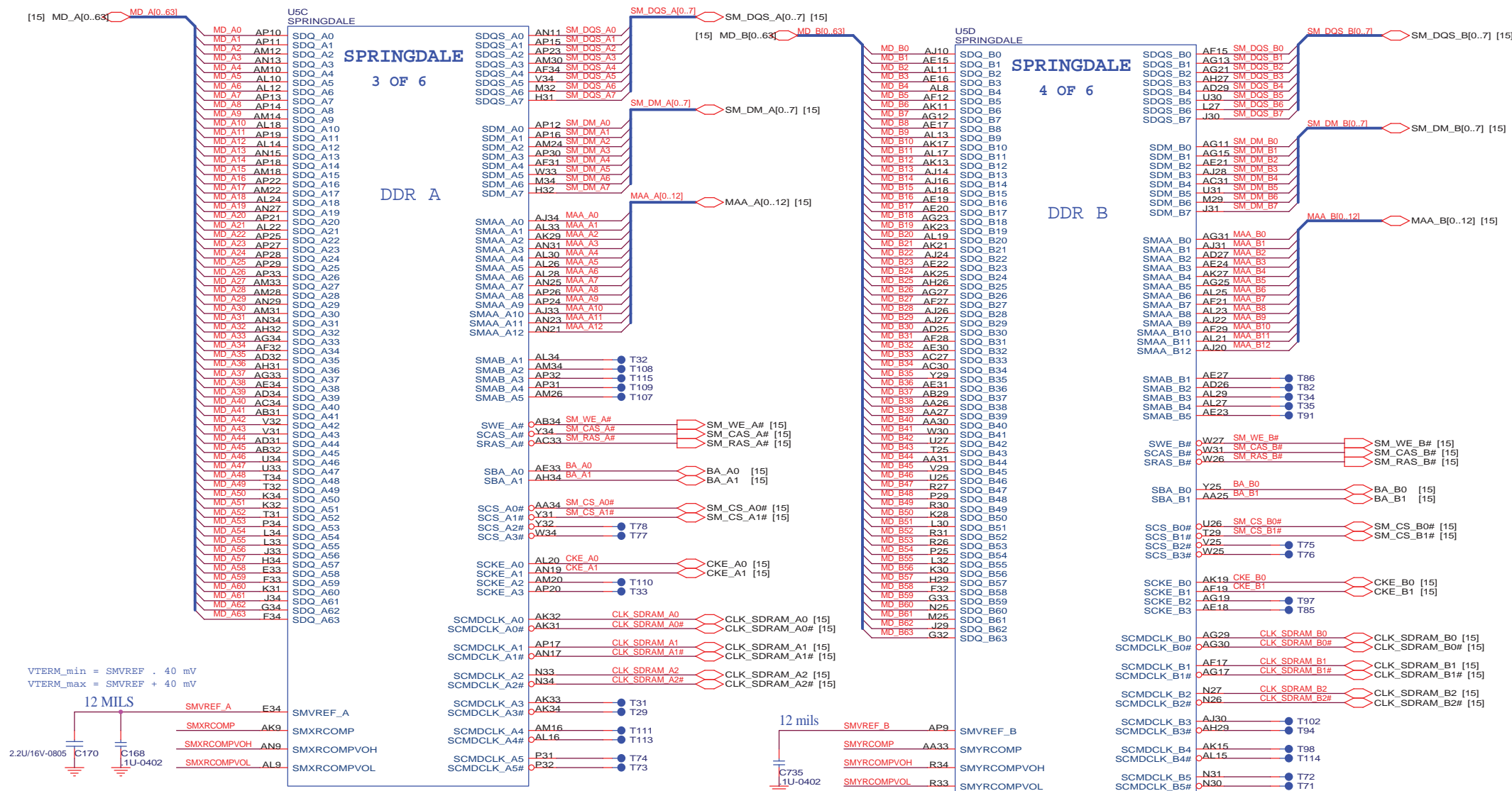








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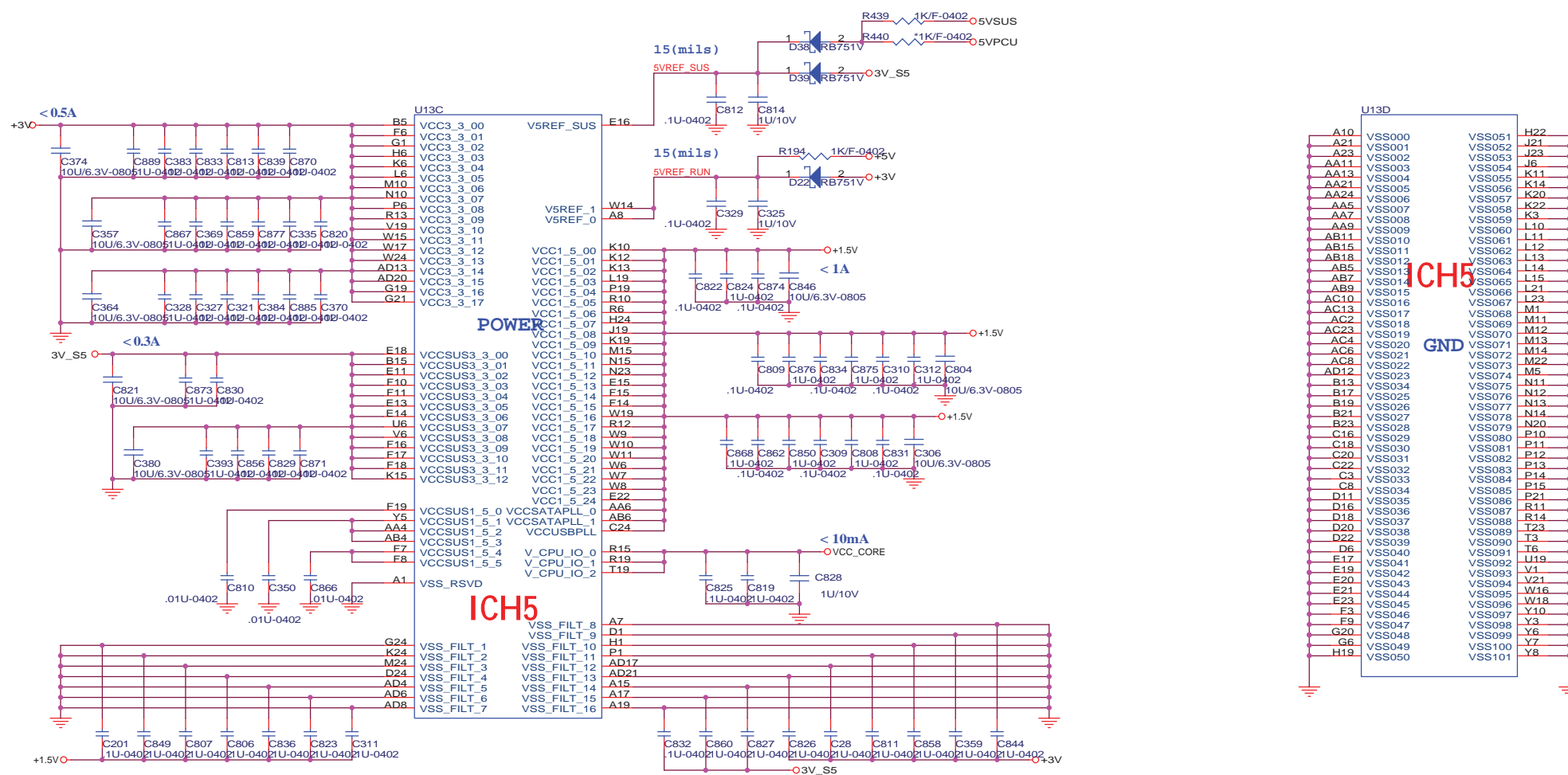




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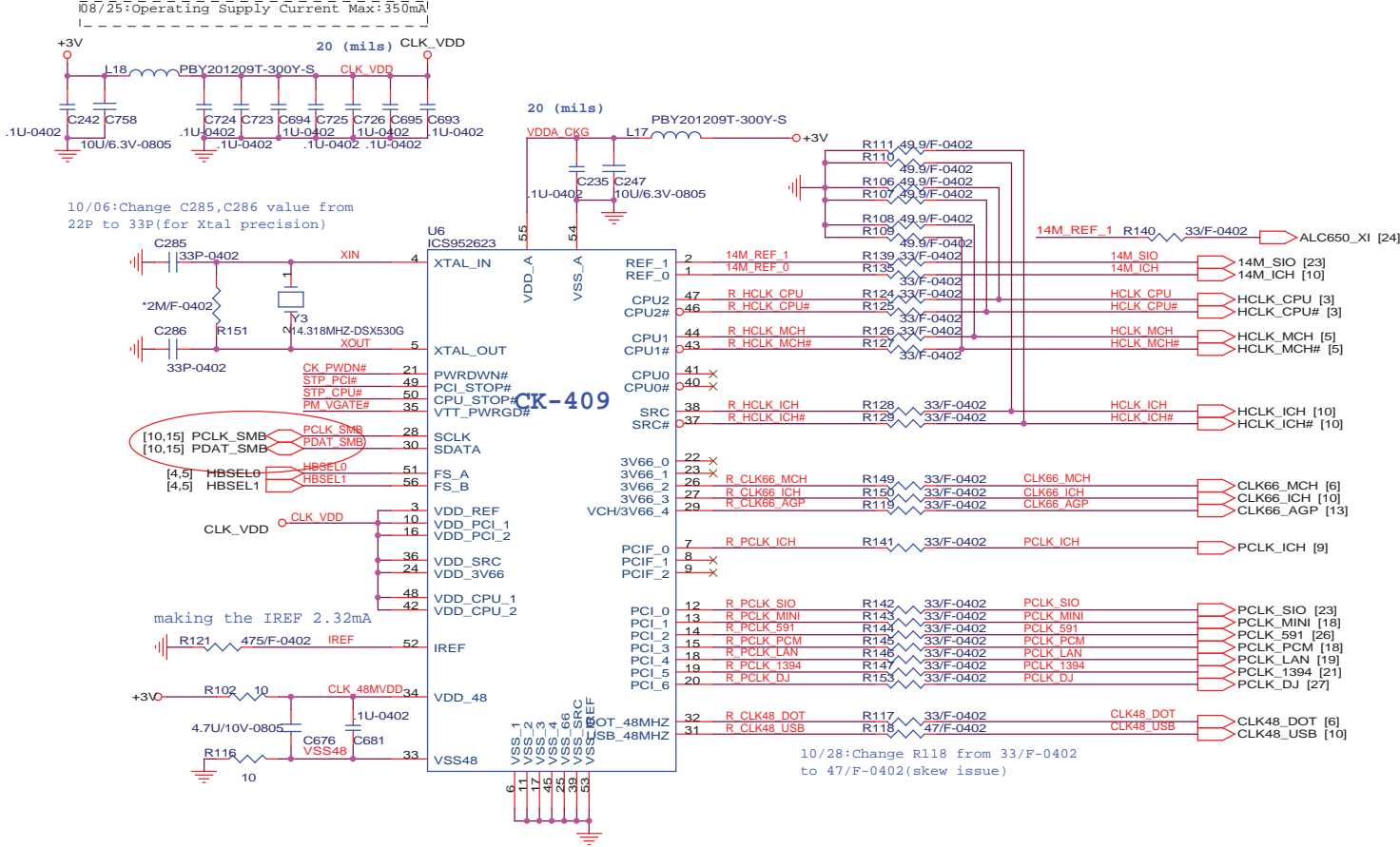
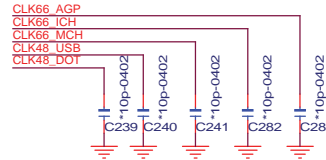
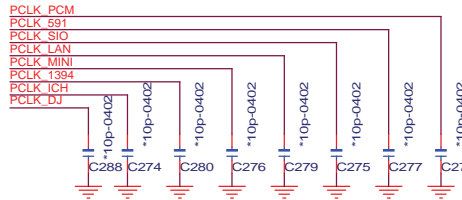
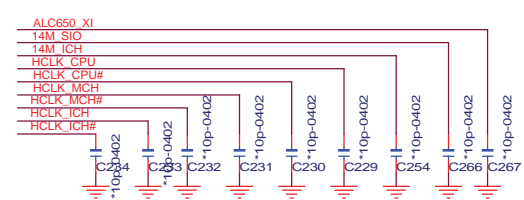
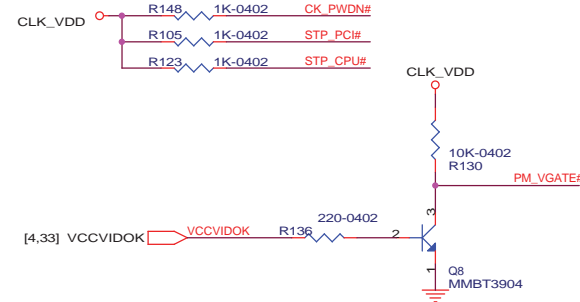
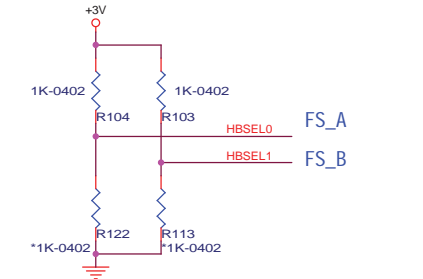


## ICH5 POWER

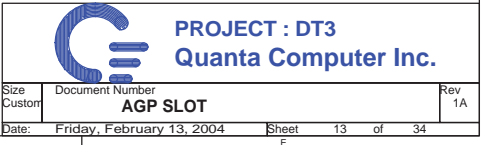


Clock Generator

FSA	FSB	CPU
0	0	100MHZ HOST CLOCK
1	0	133MHZ HOST CLOCK
1	1	166MHZ HOST CLOCK
0	1	200MHZ HOST CLOCK



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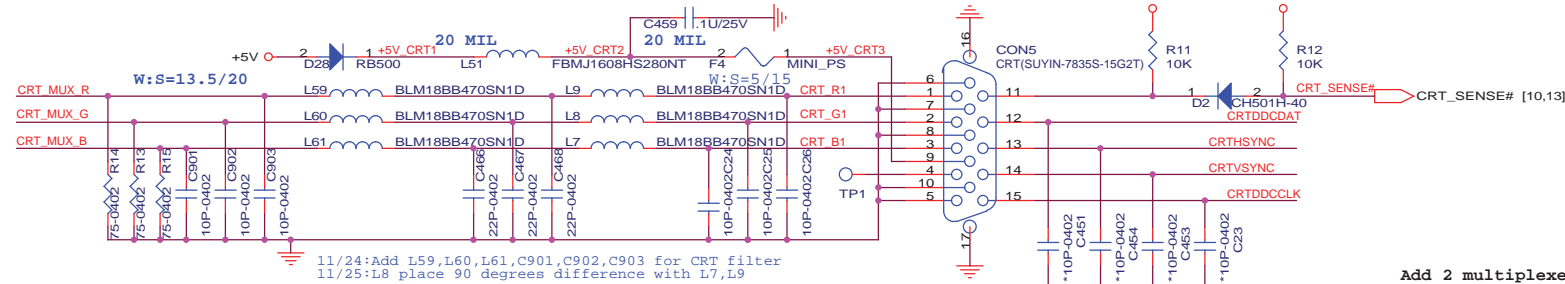




## CRT

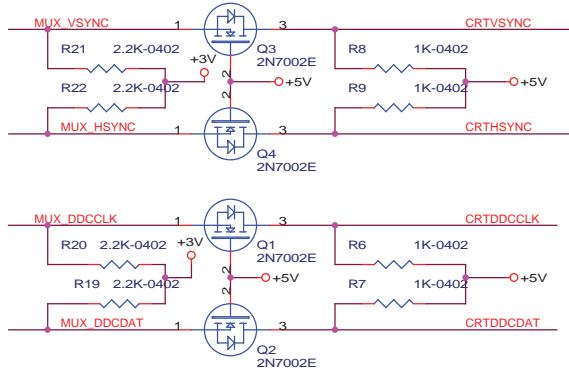
11/17: Change L7, L8, L9 value from BK1608LL680 to BK1608LL121 for EMI solution

## CRT PORT

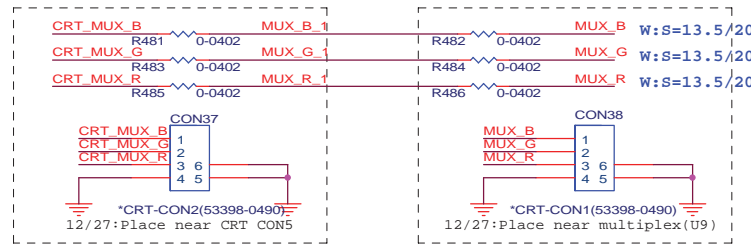


6/17: Add CRT level shift

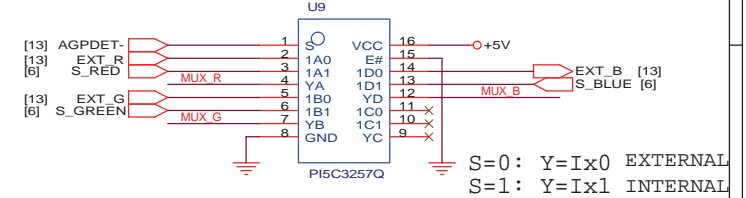
02/13: Change R6, R7, R8, R9 from CS22202JB00 to CS21002JB00 (Meet different LCD specs)



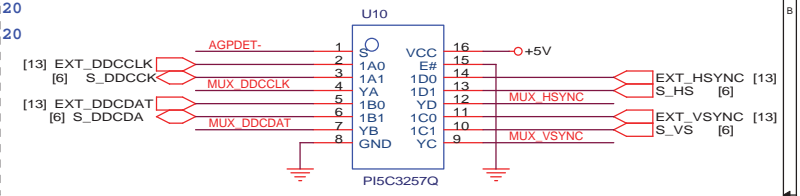
12/27: Add CON37, CON38, R481, R482, R483, R484, R485, R486 for prevent CRT flicker



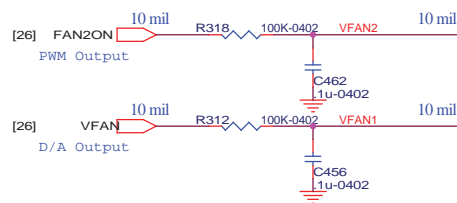
Add 2 multiplexer for CRT and TV swap



Video AND CRT MUXED SIGNALS

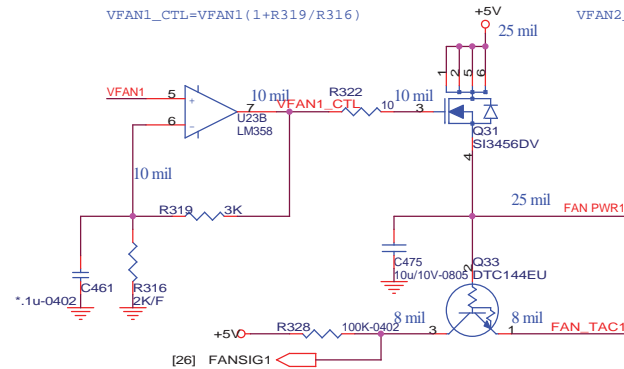


## FAN Control



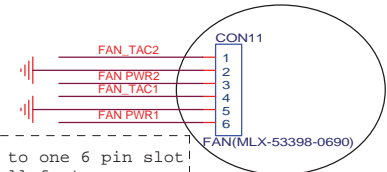
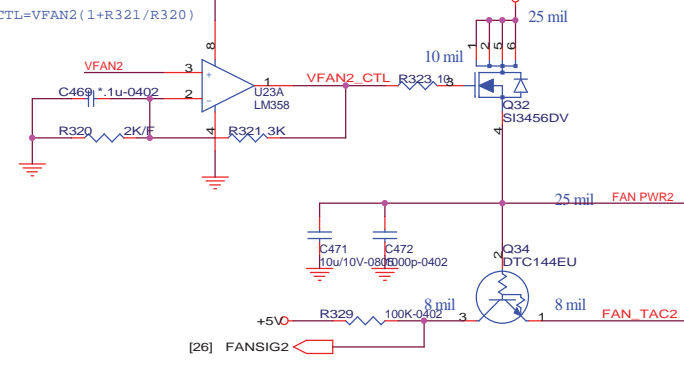
Big FAN for CPU

VFAN1\_CTL=VFAN1(1+R319/R316)



Small FAN for Power

VFAN2\_CTL=VFAN2(1+R321/R320)

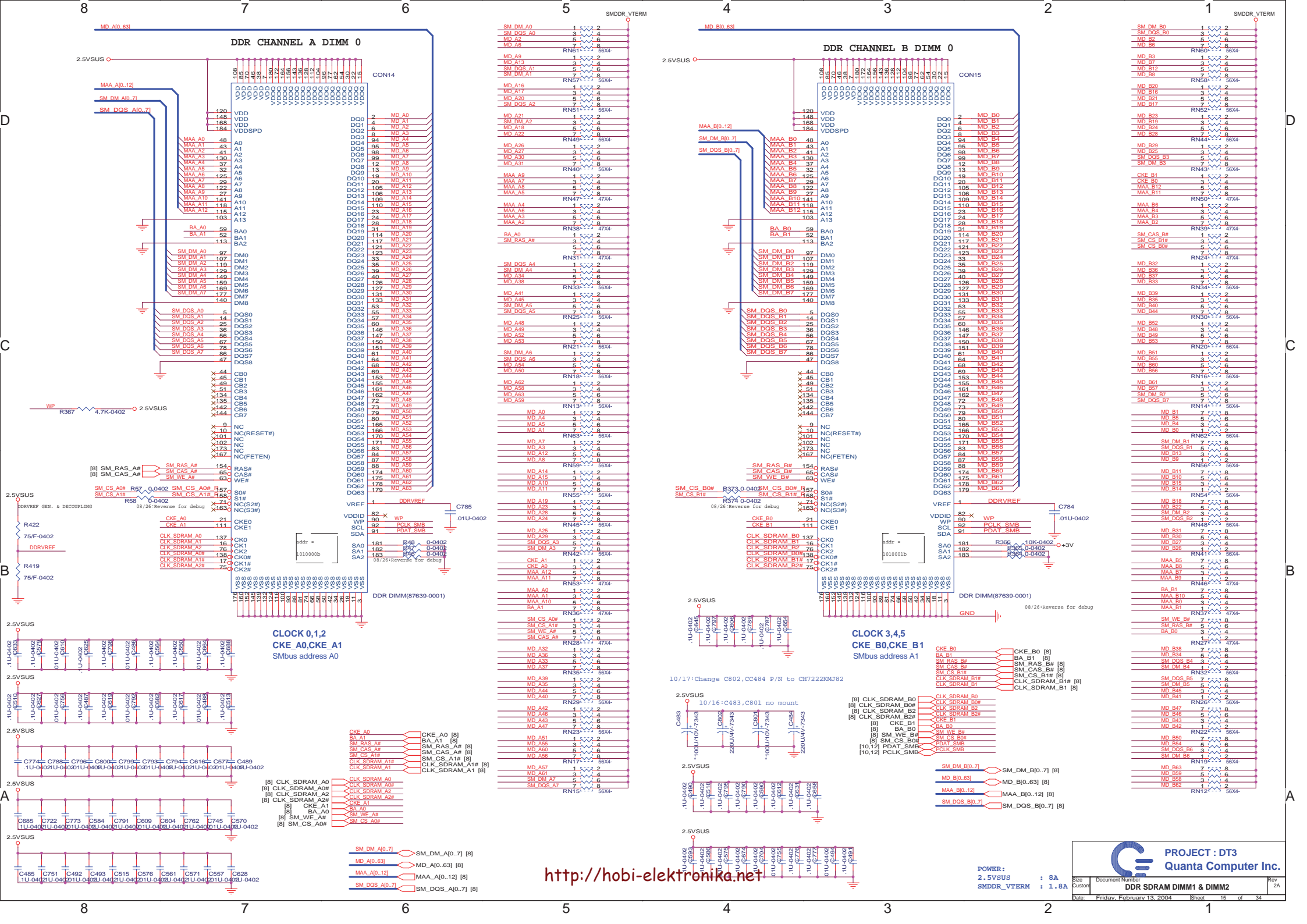


6/12: Change two 3 pin slots to one 6 pin slot (123 for big fan, 456 for small fan)

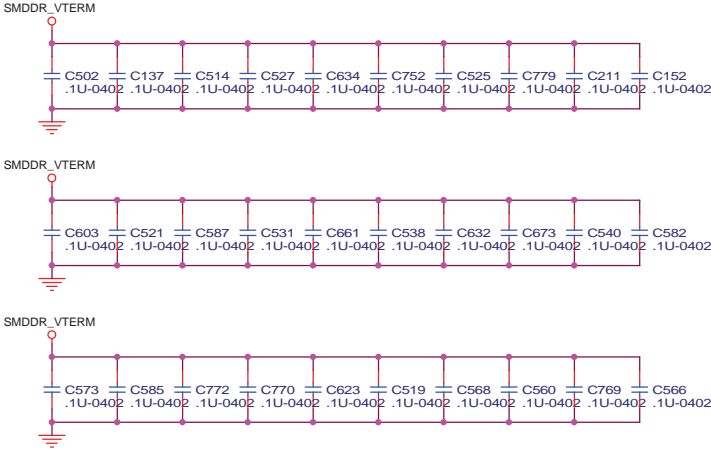
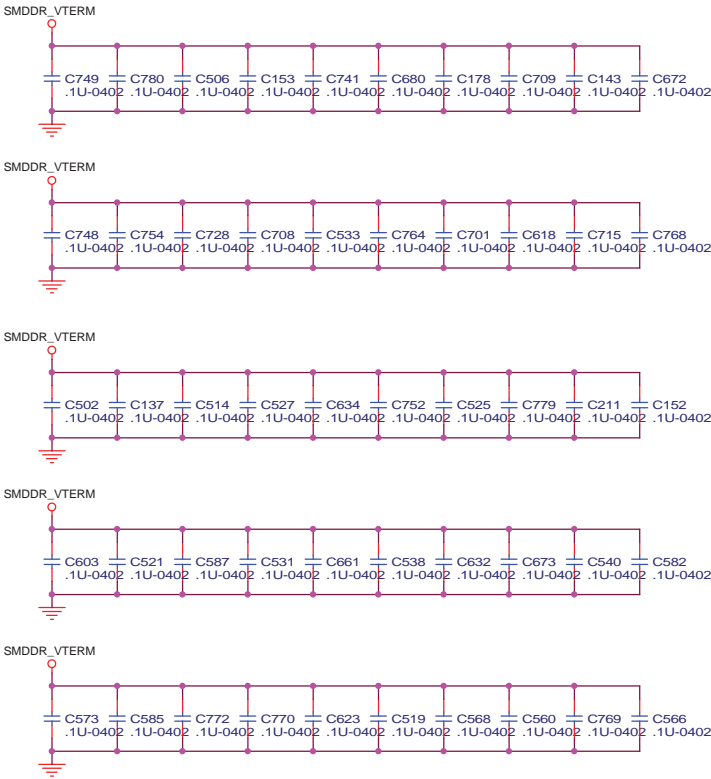
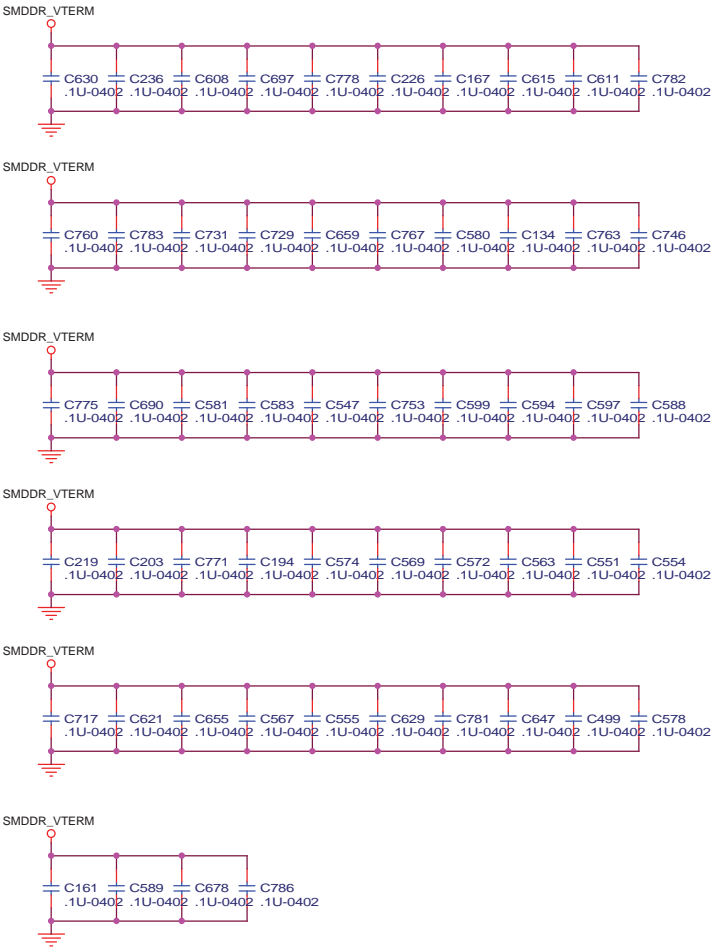
## LCD-LID



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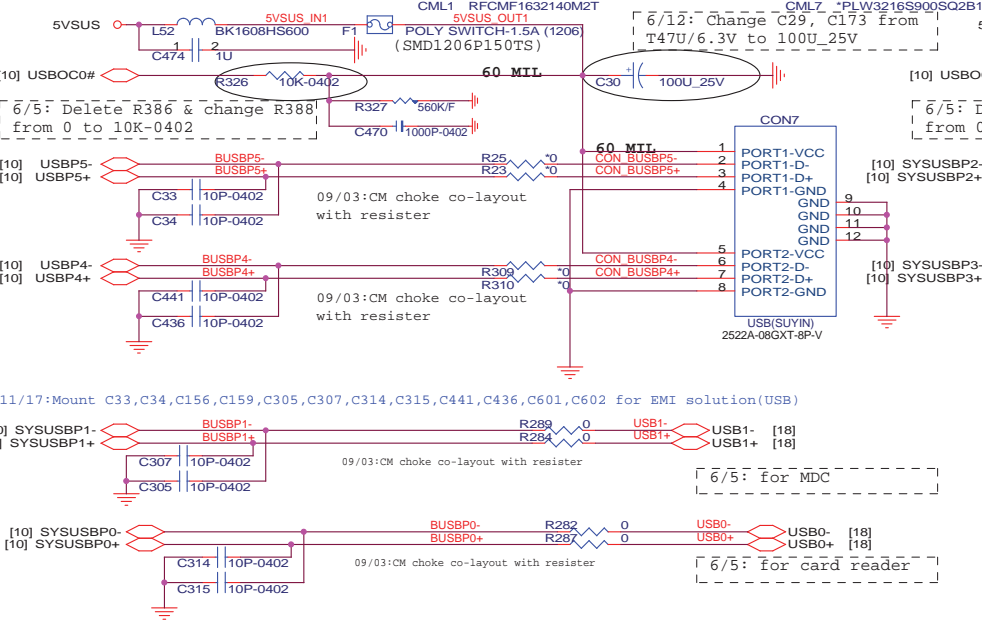


DDR CHANNEL A&B RESISTOR TERMINATION



## USB PORT

6/5: Remove common mode choke (CML6, CML8) to short

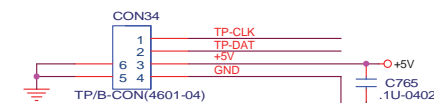


## LED/B CONNECTOR

10/09: Add BT\_LED for LED board pin 4

09/22: change footprint from 6701-04-4p-R to 6701-04

## TP/B CONNECTOR



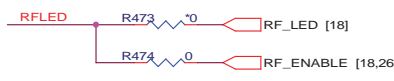
6/18: Change TP/B power from 1.5VSUS to 5V



10/16: Add C893

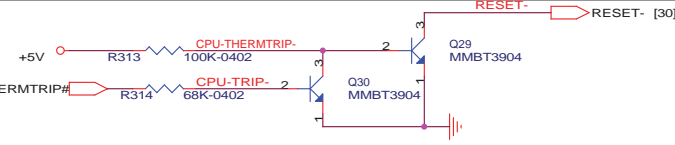
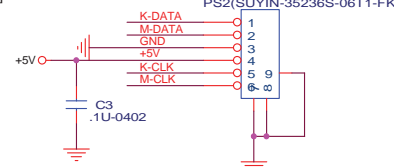
NEAR CONS

-NBSWON	C732	220P-0402	C730	*1U-0402	C706	1U-0402	C720	*1U-0402	3V_591
RF_ON#	C732	220P-0402	C730	*1U-0402	C706	1U-0402	C720	*1U-0402	3VSUS
HDDLED-	C759	220P-0402	C757	220P-0402	C679	*1U-0402	C716	*1U-0402	BATLED0
CAPSLD#	C759	220P-0402	C757	220P-0402	C679	*1U-0402	C716	*1U-0402	BATLED1
SCROLED#	C761	220P-0402	C759	220P-0402	C683	*1U-0402	C716	*1U-0402	RFLED
NUMLED#	C766	220P-0402	C759	220P-0402	C686	220P-0402	C716	*1U-0402	GET-MAIL-
QSW_MAIL	C742	220P-0402	C759	220P-0402	C699	220P-0402	C716	*1U-0402	LID#
QSW_IE	C742	220P-0402	C759	220P-0402	C702	220P-0402	C716	*1U-0402	SUS_LED
QSW_P1	C738	220P-0402	C759	220P-0402	C893	220P-0402	C716	*1U-0402	BT_LED
QSW_P2	C738	220P-0402	C759	220P-0402	C893	220P-0402	C716	*1U-0402	

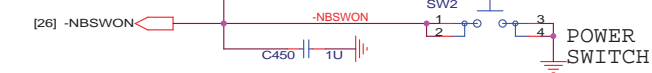


11/19: Add R473, R474 for WLAN LED select. Mount R473(WLAN Card). Mount R474(EC control)

## PS/2



## POWER SW



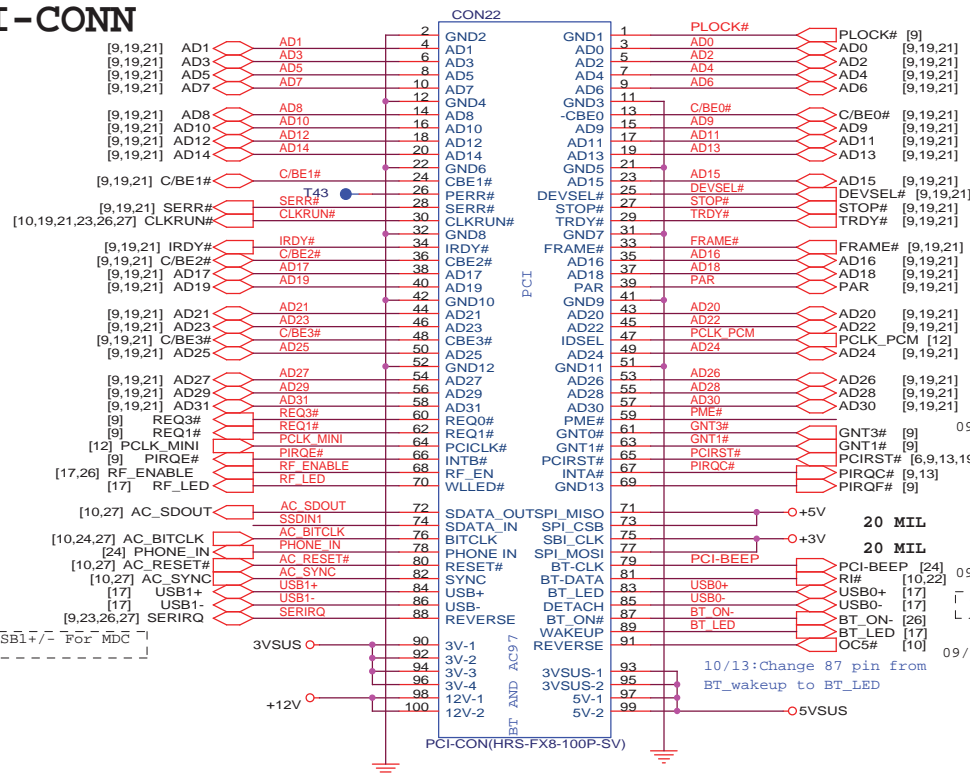
## RESET SW



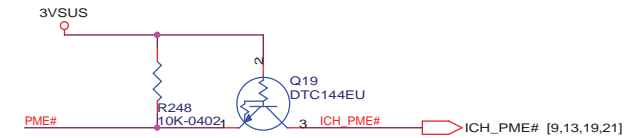
PROJECT : DT3  
Quanta Computer Inc.

Size	Document Number	Rev
Custom	USB,LED/B,PS2,PW & RST CONN	2A
Date:	Friday, February 13, 2004	Sheet 17 of 34

# PCI-CONN



PCI DEVICES	IDSEL #	REQ/GNT #	IRQ
Card bus	AD17	1	C
MINI-PCI	AD19	3	E,F

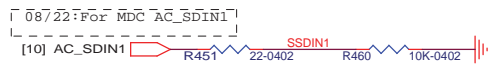


09/03: Pin 59 change from PME# to TP

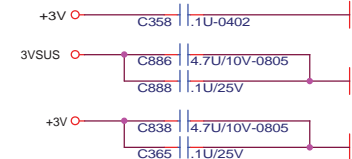
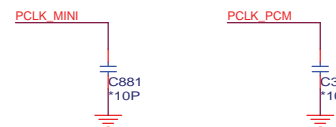
09/03: Pin 81 change from NC to PME#

6/5: for card reader

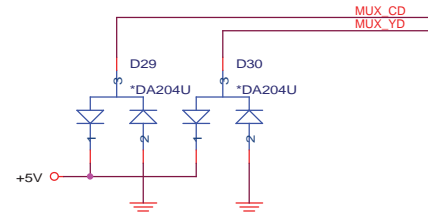
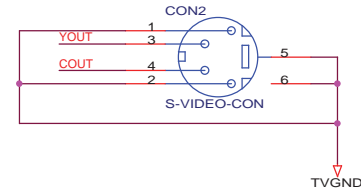
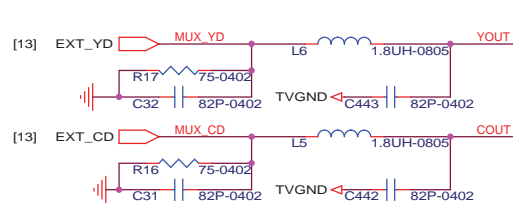
09/04: Over current for CardBus



08/20: Add for EMI 08/20: Add for EMI



## S-VIDEO (TV OUT)

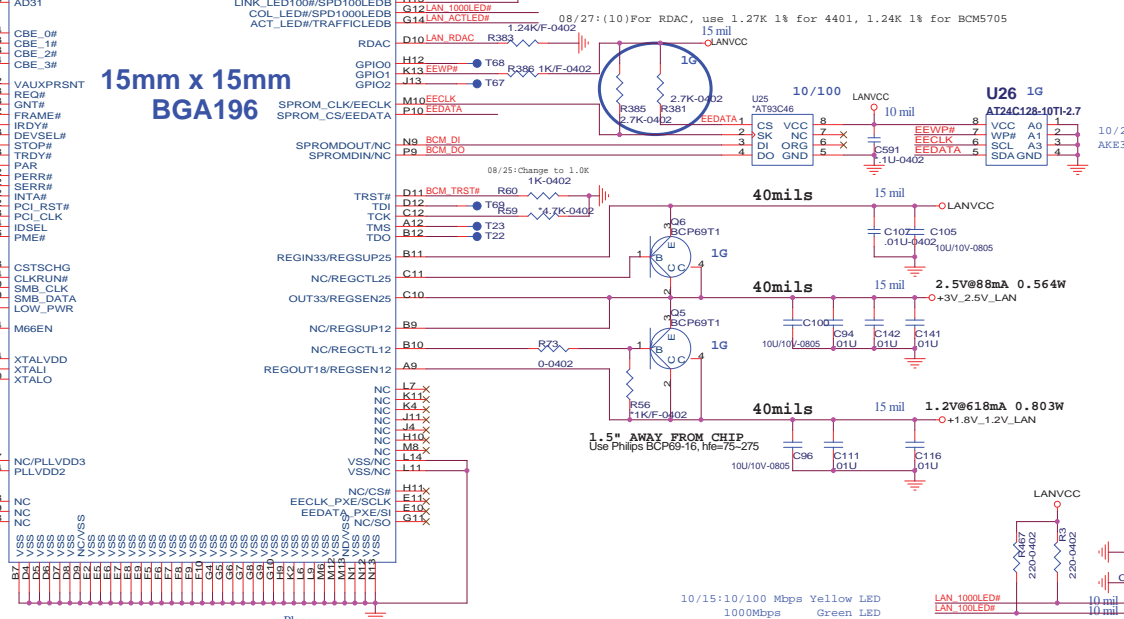
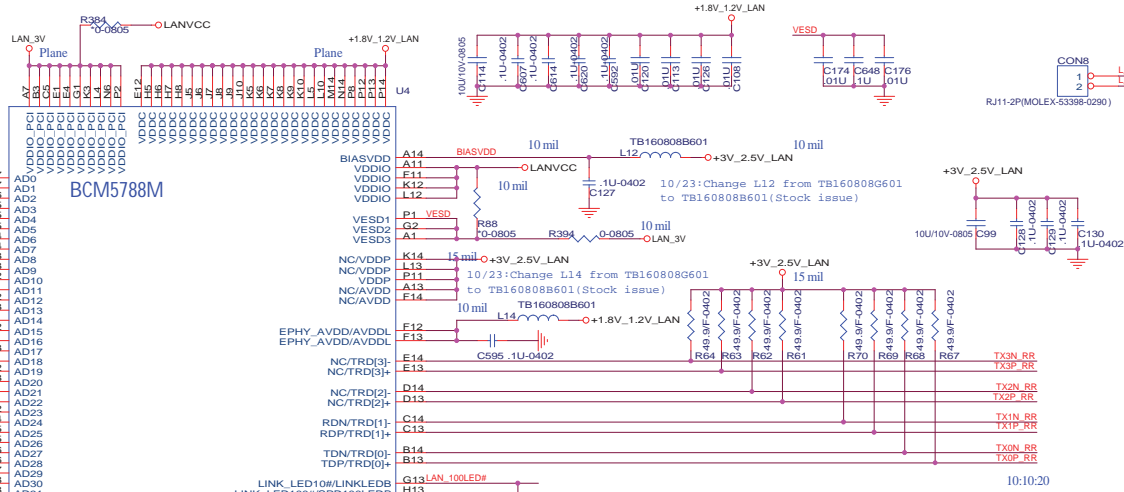
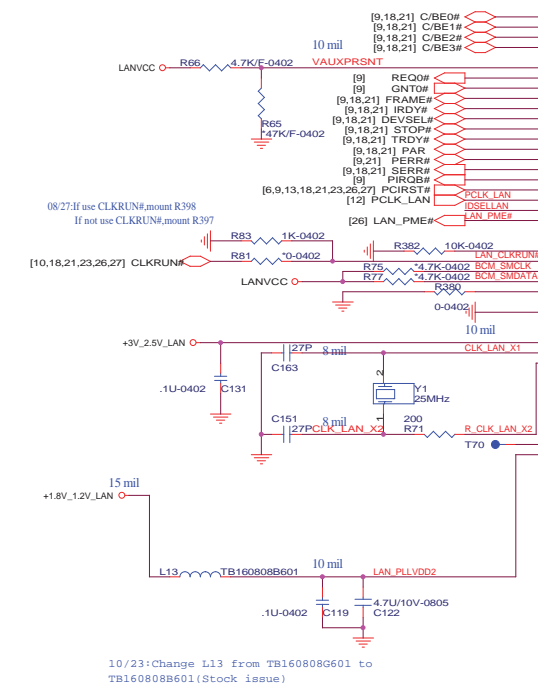
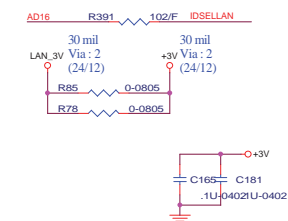


**PROJECT : DT3**  
**Quanta Computer Inc.**

Size: Custom Document Number: **PCI CONN & S-VIDEO** Rev: 1A

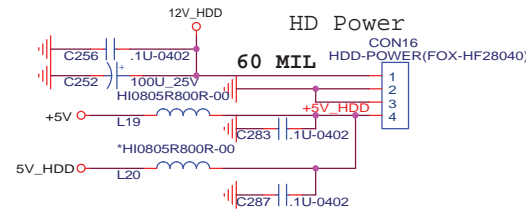
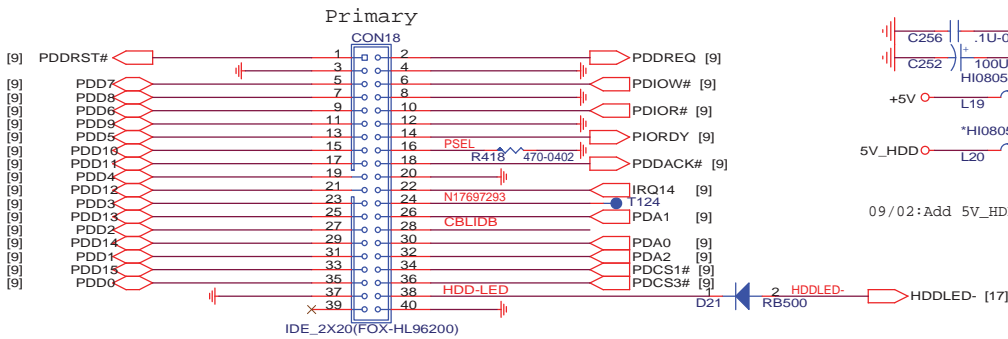
Date: Friday, February 13, 2004 Sheet: 18 of 34





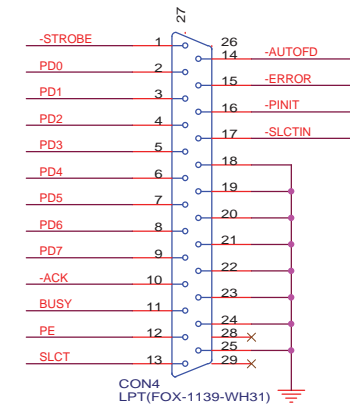
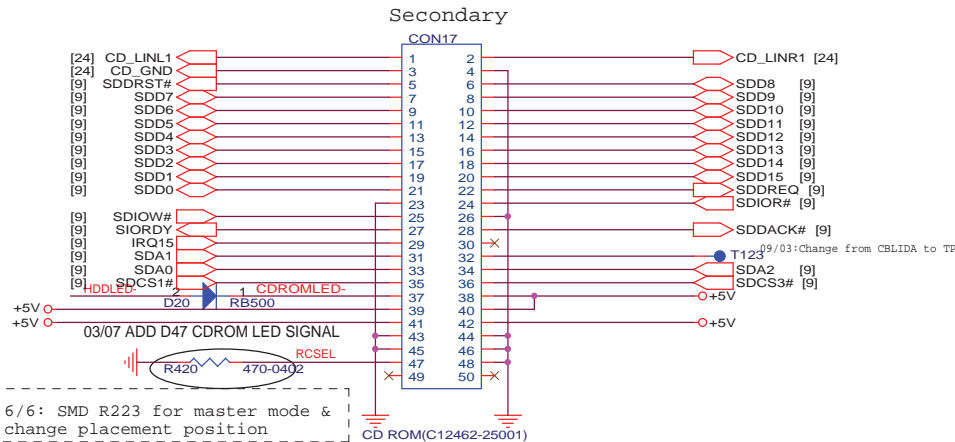
## HDD,CD-ROM CONNECTOR

## HDD POWER CONNECTOR

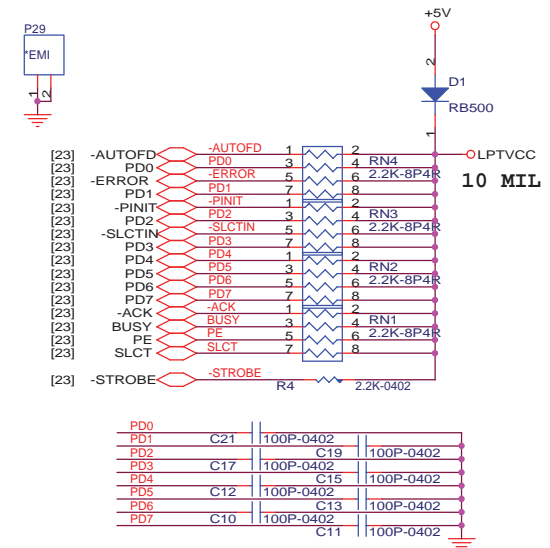


## CD-ROM connector

## LPT CONN.



-STROBE	C22	100P-0402	C8	100P-0402
-ACK	C9	100P-0402	C6	100P-0402
-SLCT	C7	100P-0402	C20	100P-0402
-AUTOFD	C18	100P-0402	C16	100P-0402
-ERROR				
-PINIT				
-SLCTIN				

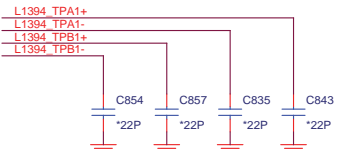
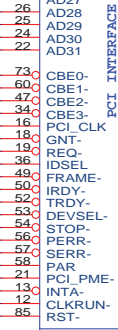
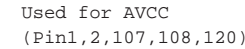
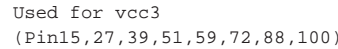


**PROJECT : DT3**  
**Quanta Computer Inc.**

Size: 1A  
Document Number: IDE (HDD & CDROM) & LPT  
Date: Friday, February 13, 2004  
Sheet: 20 of 34

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```
| ID Select      : AD18
| Interrupt Pin  : PIRQD#
| Request indicates : REQ2#
| Grant indicates  : GNT2#
```

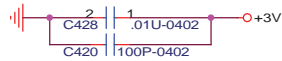


Size Custom	Document Number <b>IEEE 1394(TSB 43AB22A)</b>	Rev 1A
Date: Friday, February 13, 2004	Sheet 21 of 34	



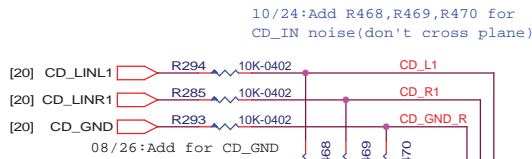




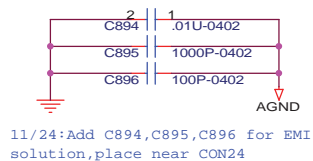
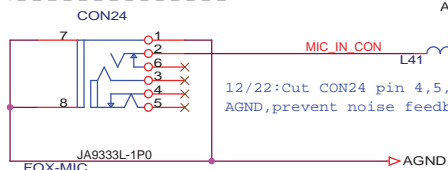


10/24:From CDROM

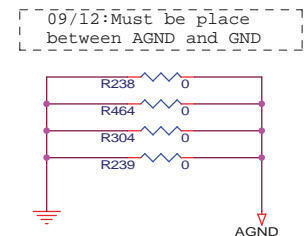
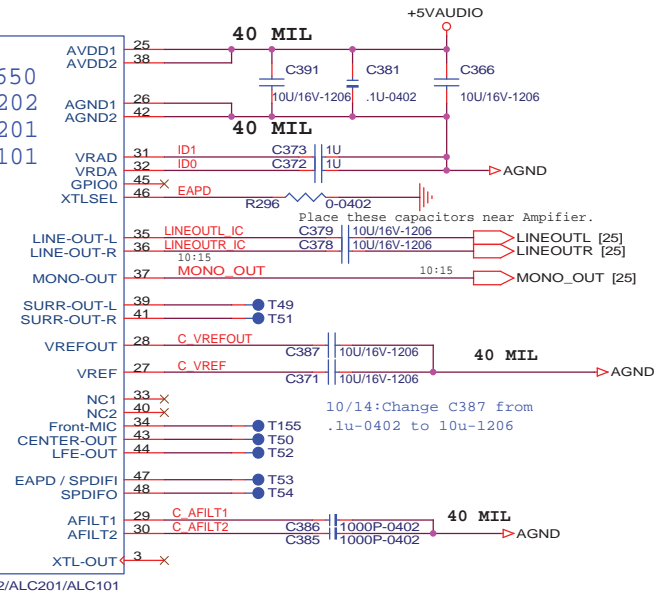
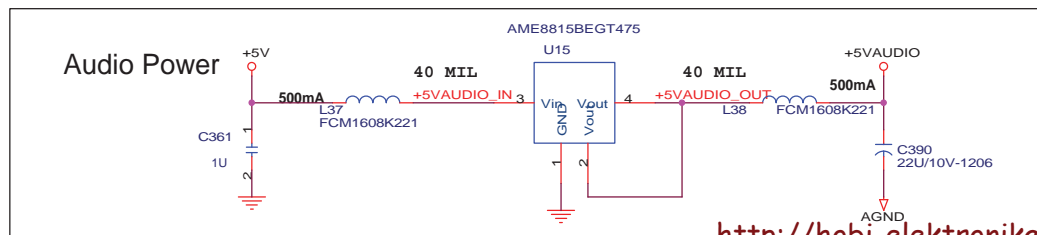
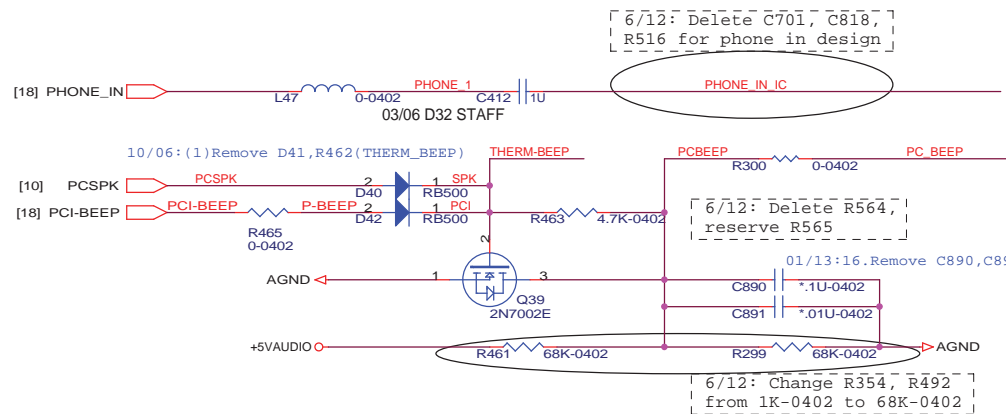
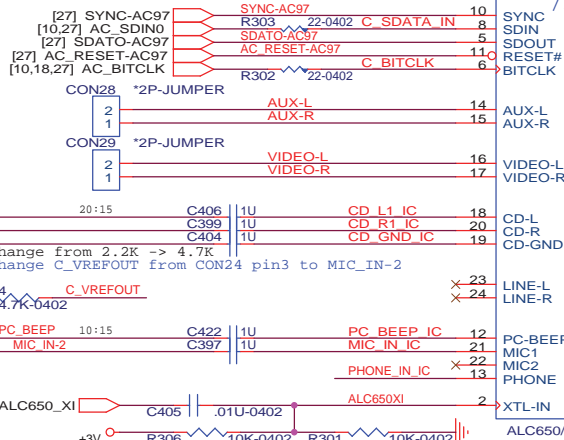
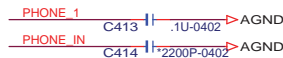
CD\_IN (1)



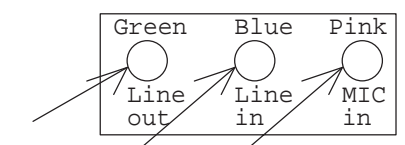
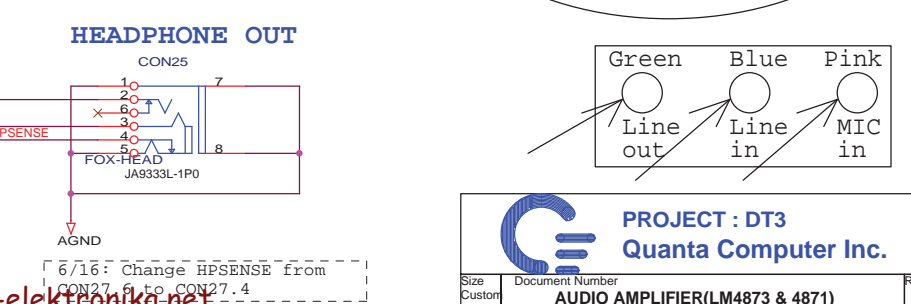
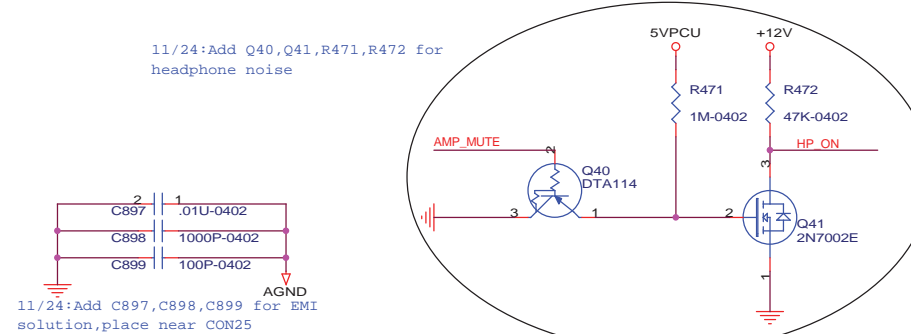
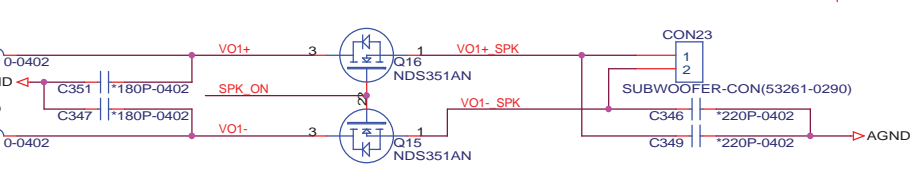
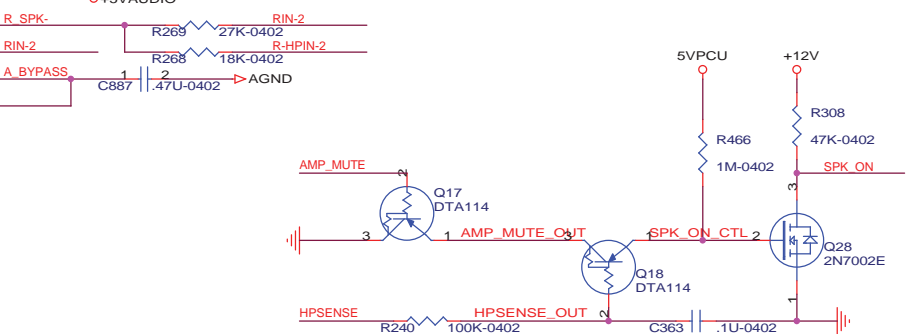
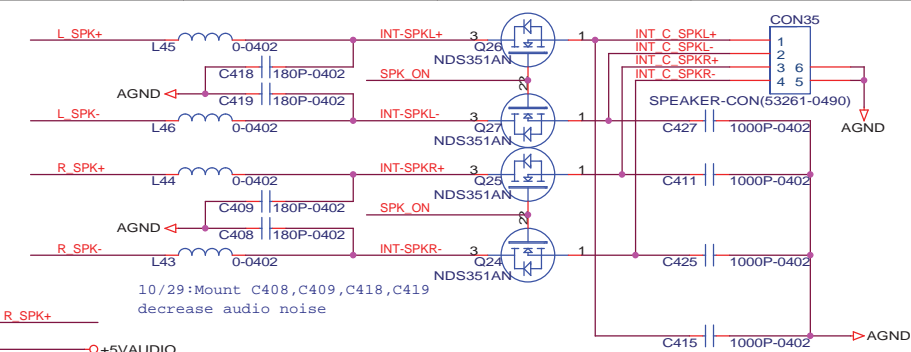
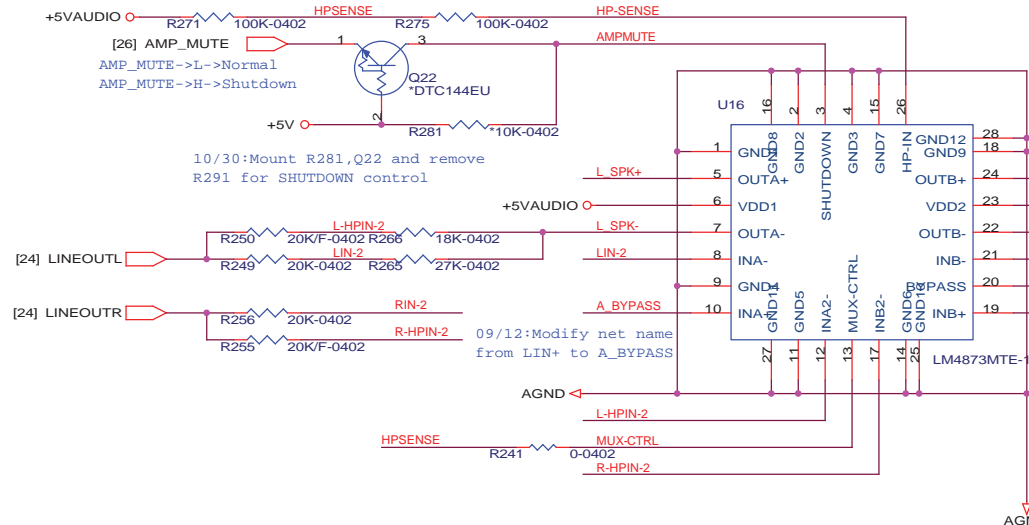
MIC\_IN (PINK)



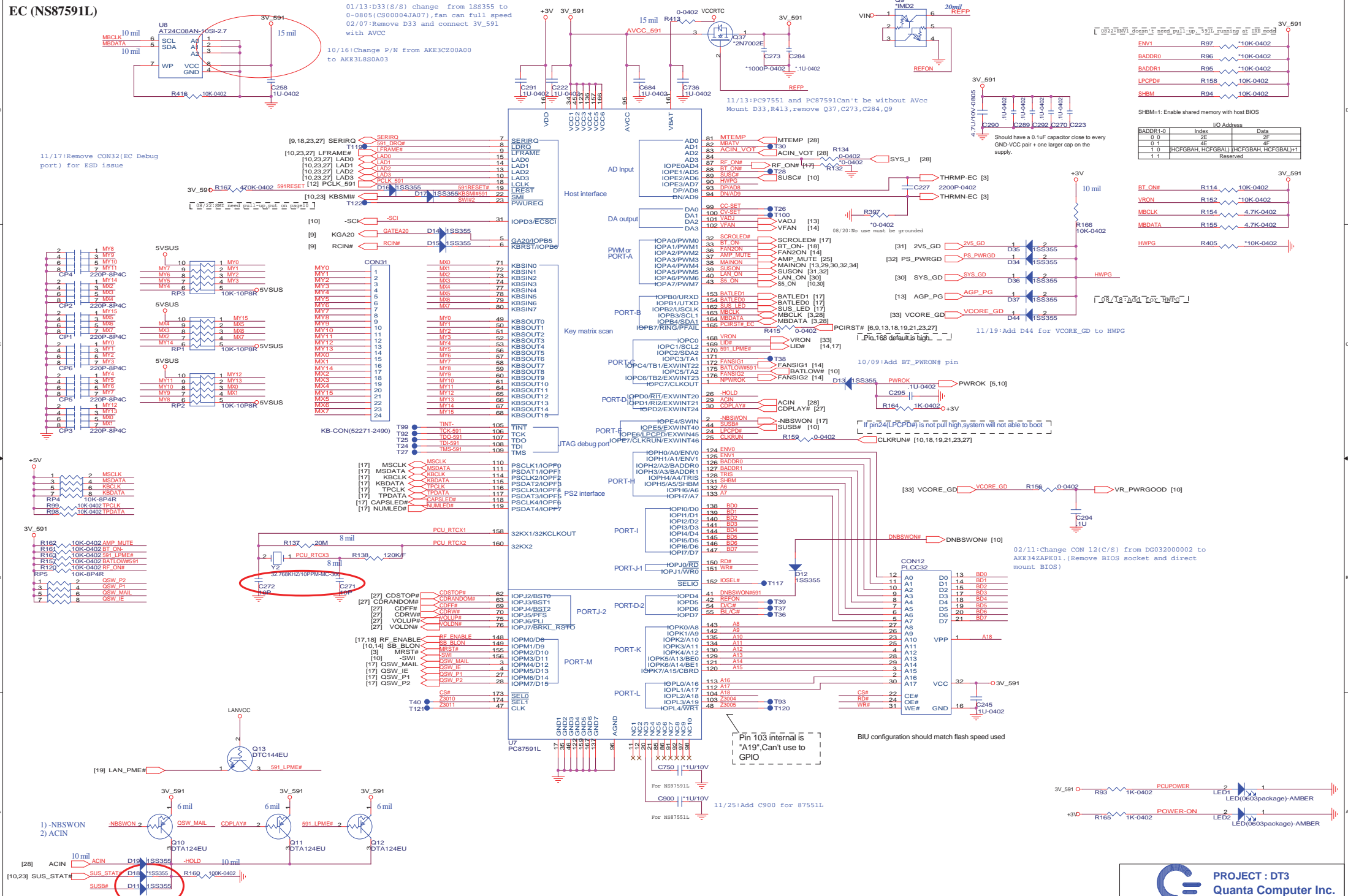
10/29:Change C413 to .1u-0402 for PHONE\_IN noise(C414 no mount)

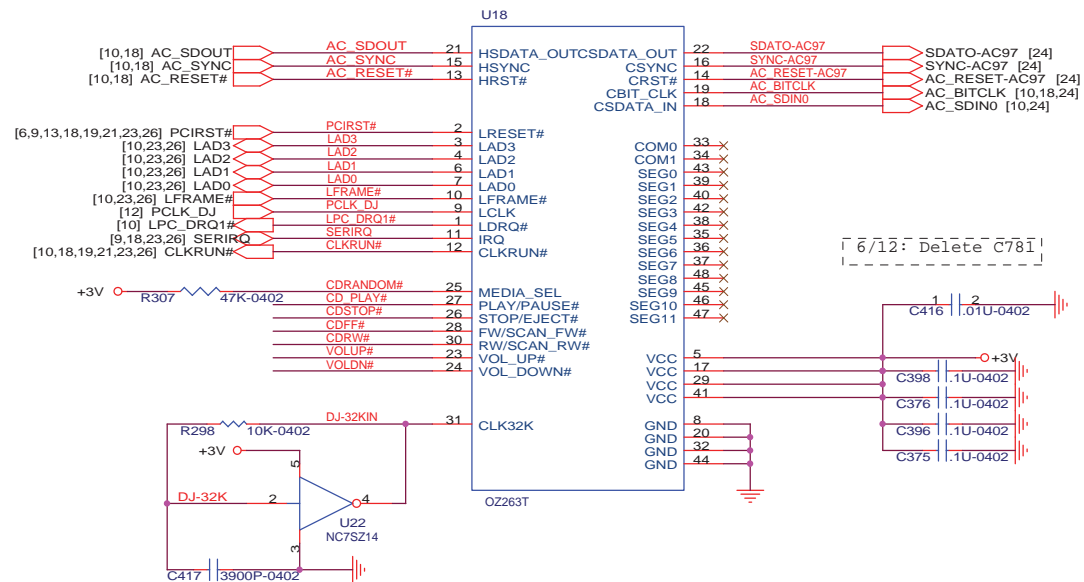


# Audio amplifier

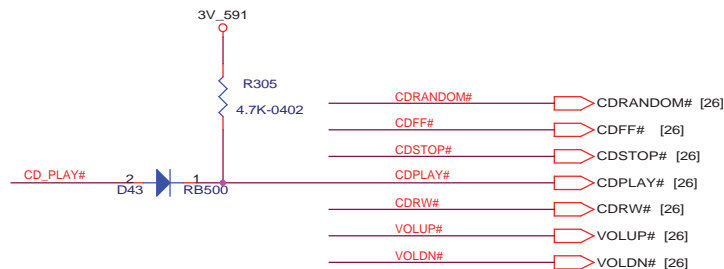
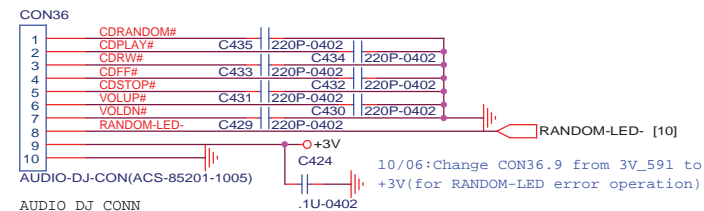


## EC (NS87591L)





[ 6/12: Delete C802 MAINON\_D bypass C802 ]

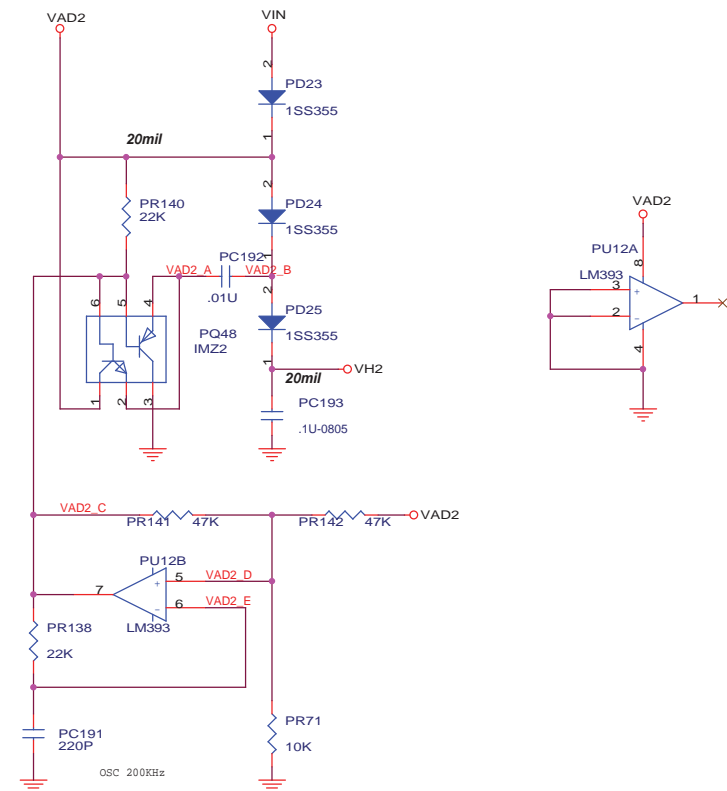
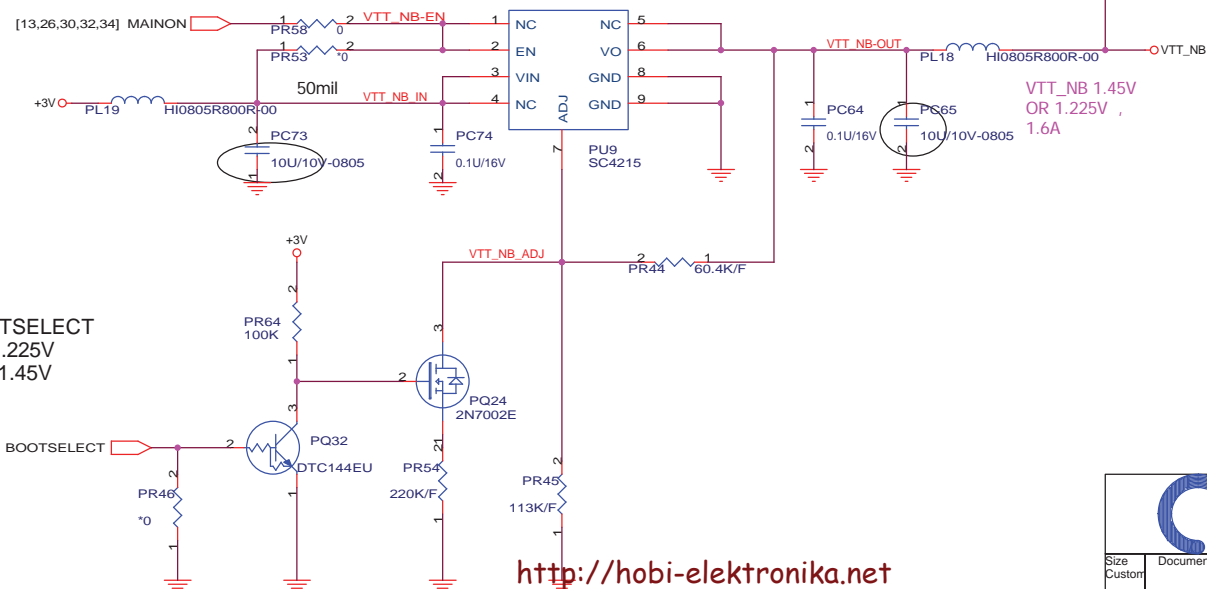






BOOTSELECT  
HI : 1.225V  
LO : 1.45V

[3,33] BOOTSELECT

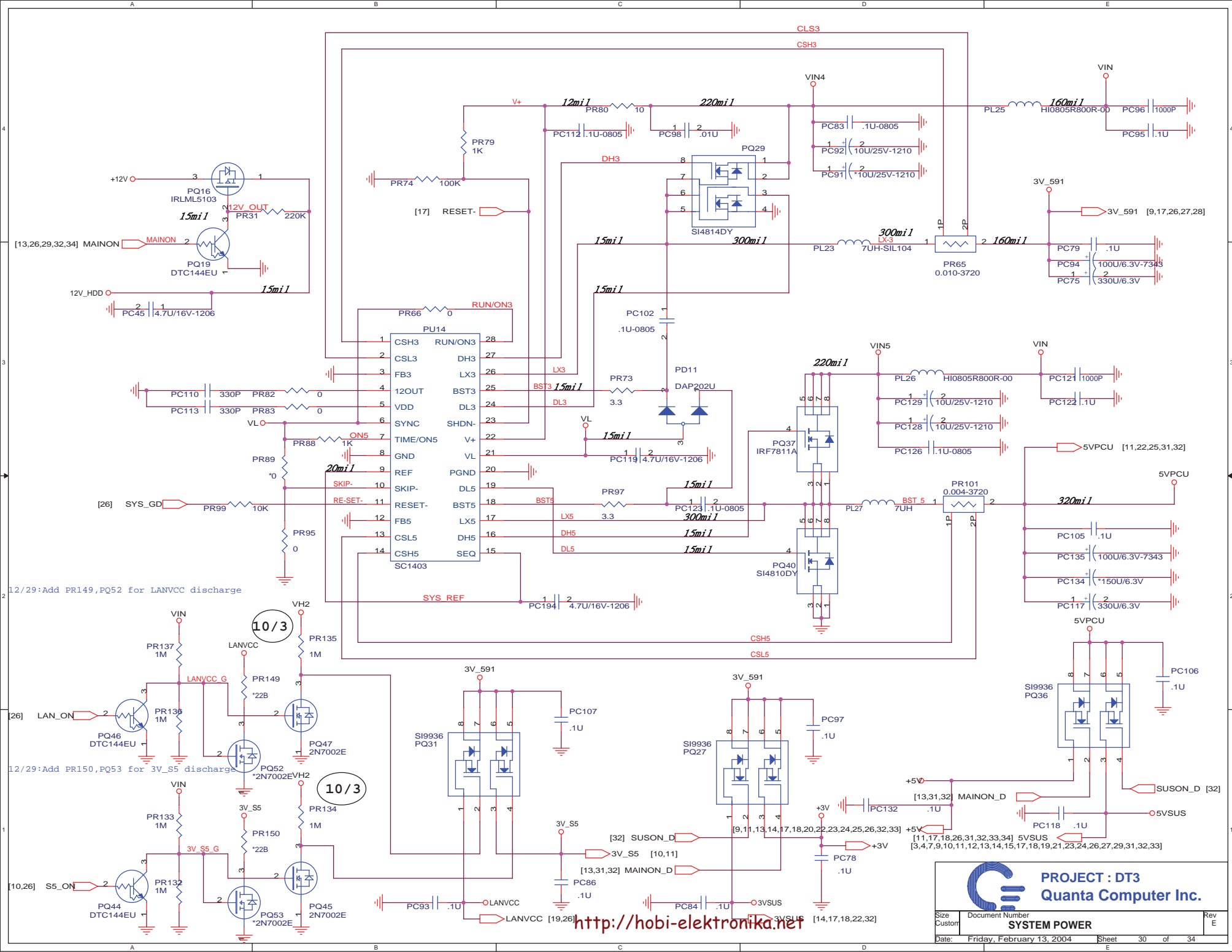


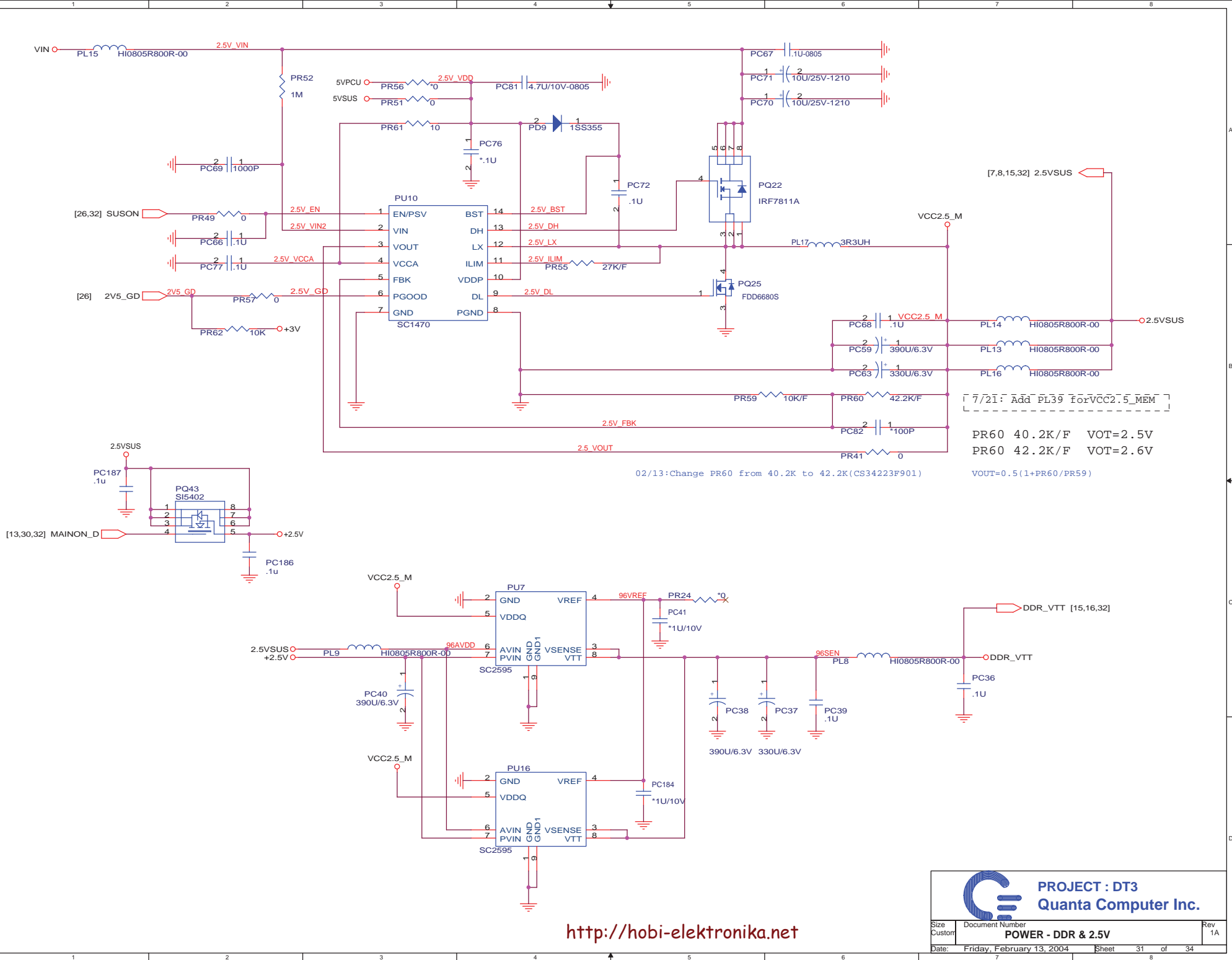
<http://hobi-elektronika.net>

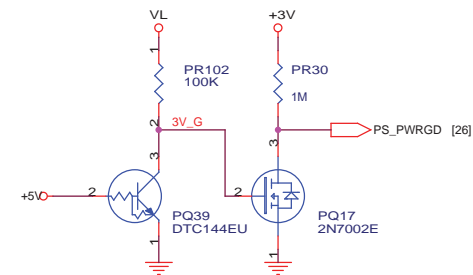
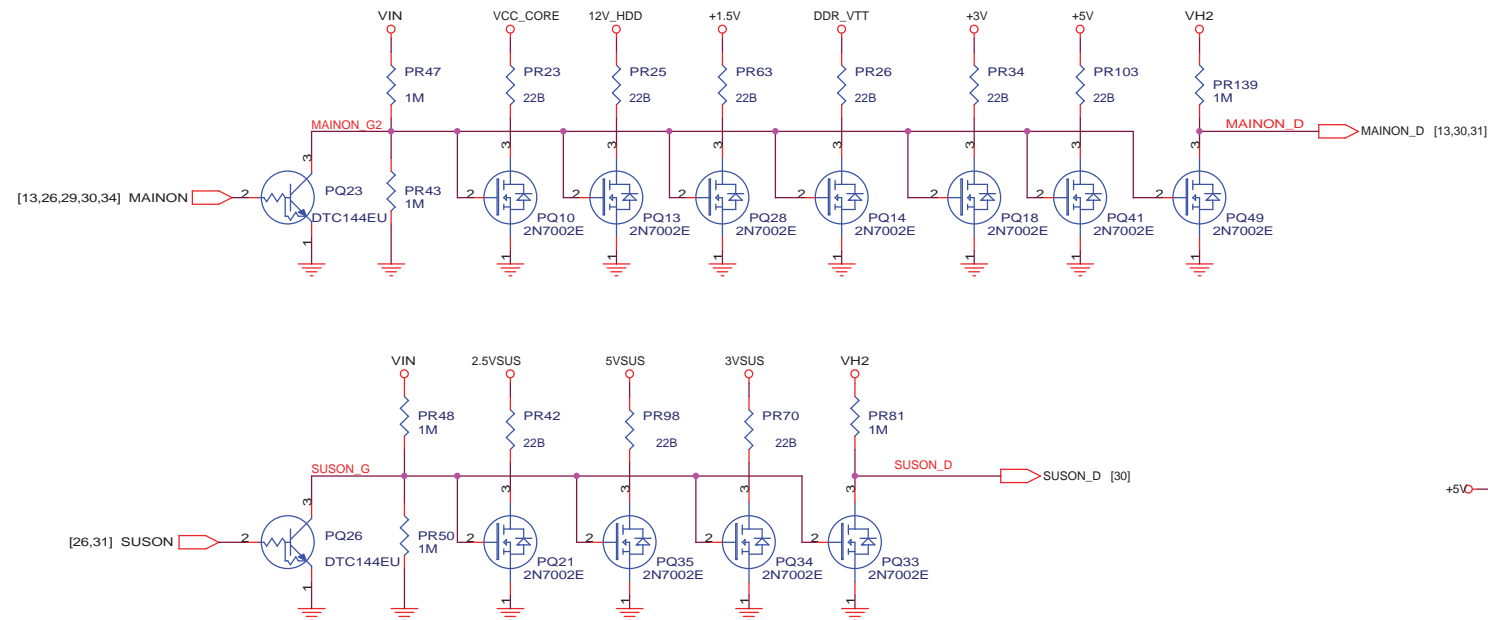
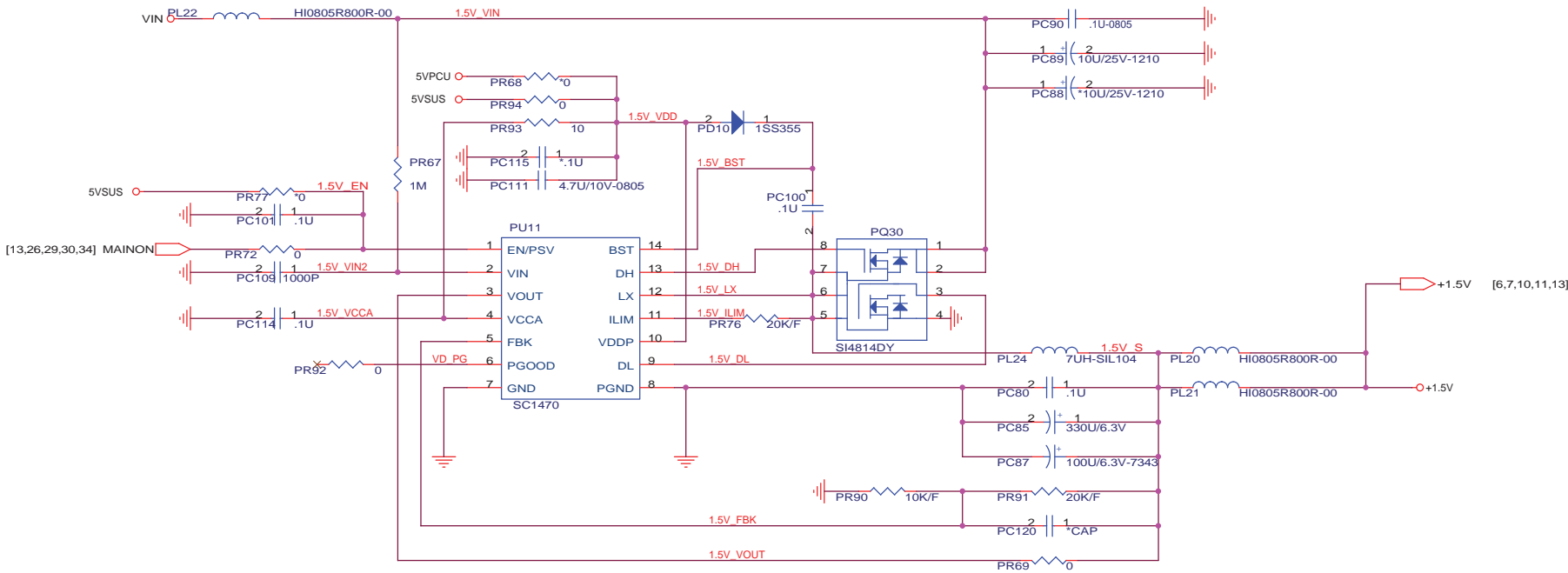


PROJECT : DT3  
Quanta Computer Inc.

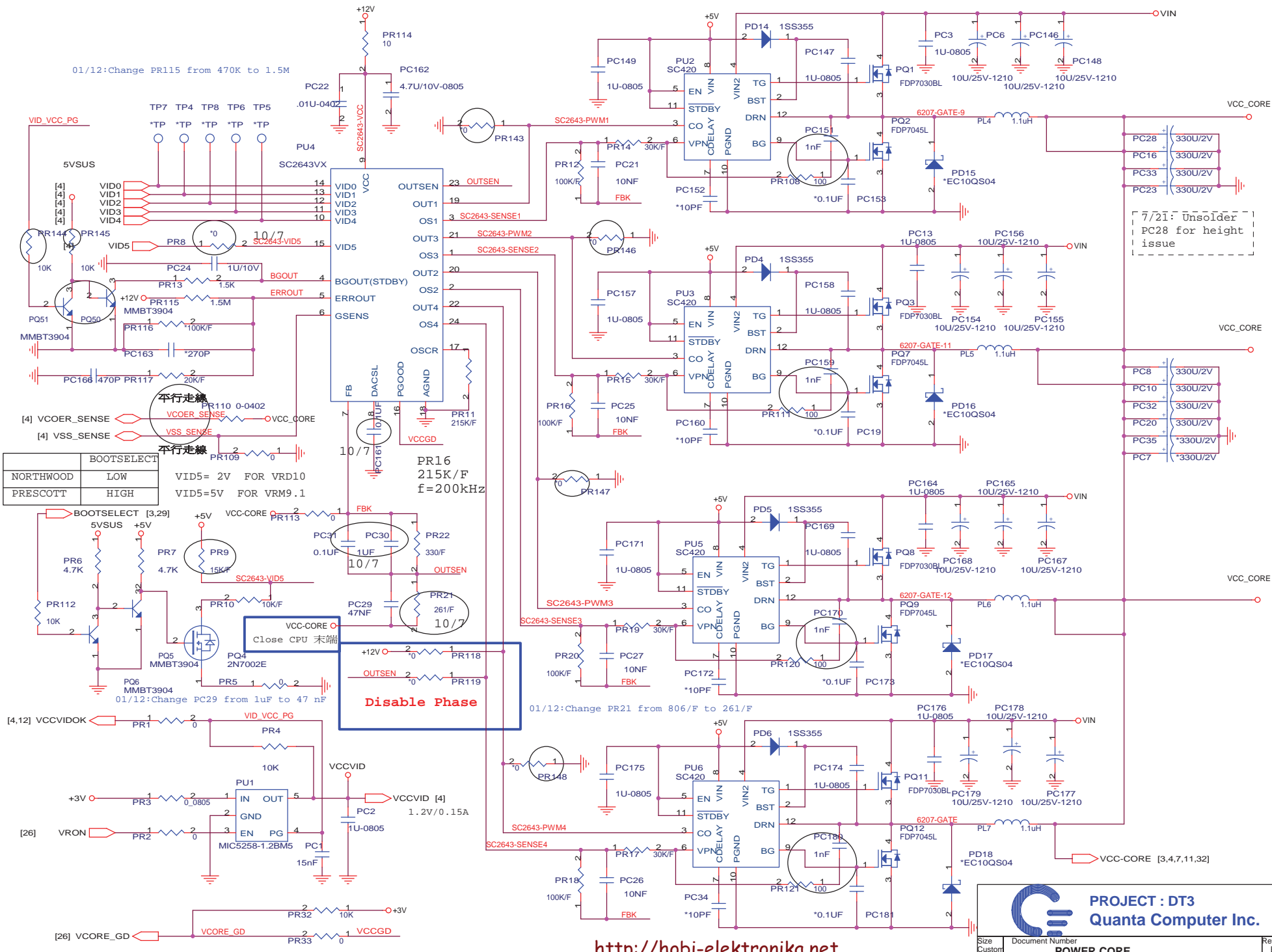
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Custom	POWER 12V_HDD & AGP(VDDQ)	1A
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01/12:Change PR115 from 470K to 1.5M



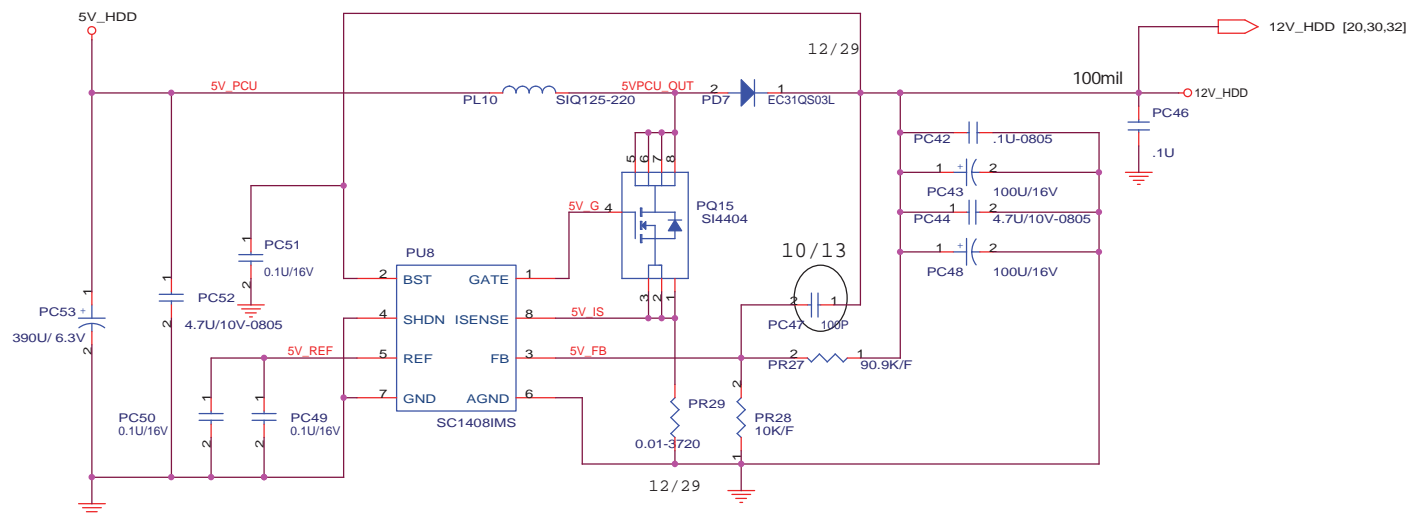
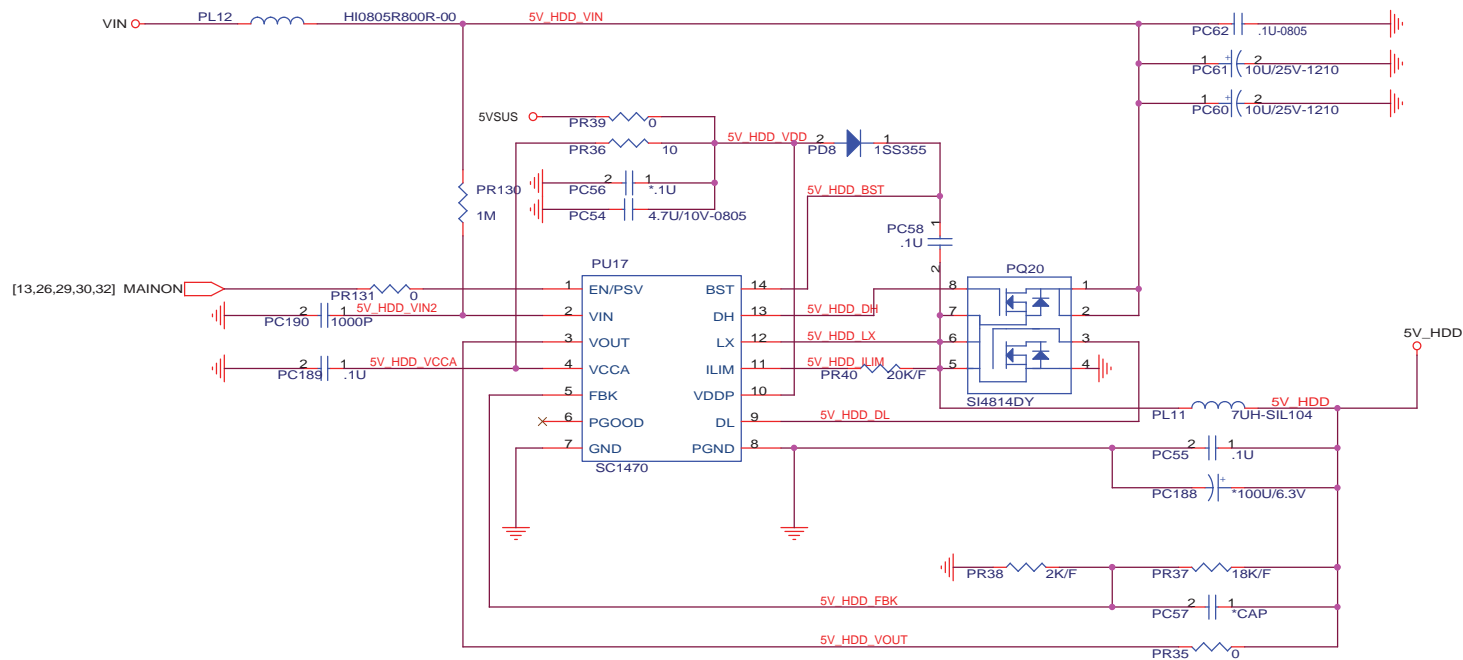
	BOOTSELECT
NORTHWOOD	LOW
PRESCOTT	HIGH

<http://hobi-elektronika.net>

**PROJECT : DT3**  
**Quanta Computer Inc.**

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08/27 PC58 CHANGE COMPONENT TO  
390U/6.3V

08/27 PR60 CHANGE FROM 10mohm TO 10mohm

<http://hobi-elektronika.net>