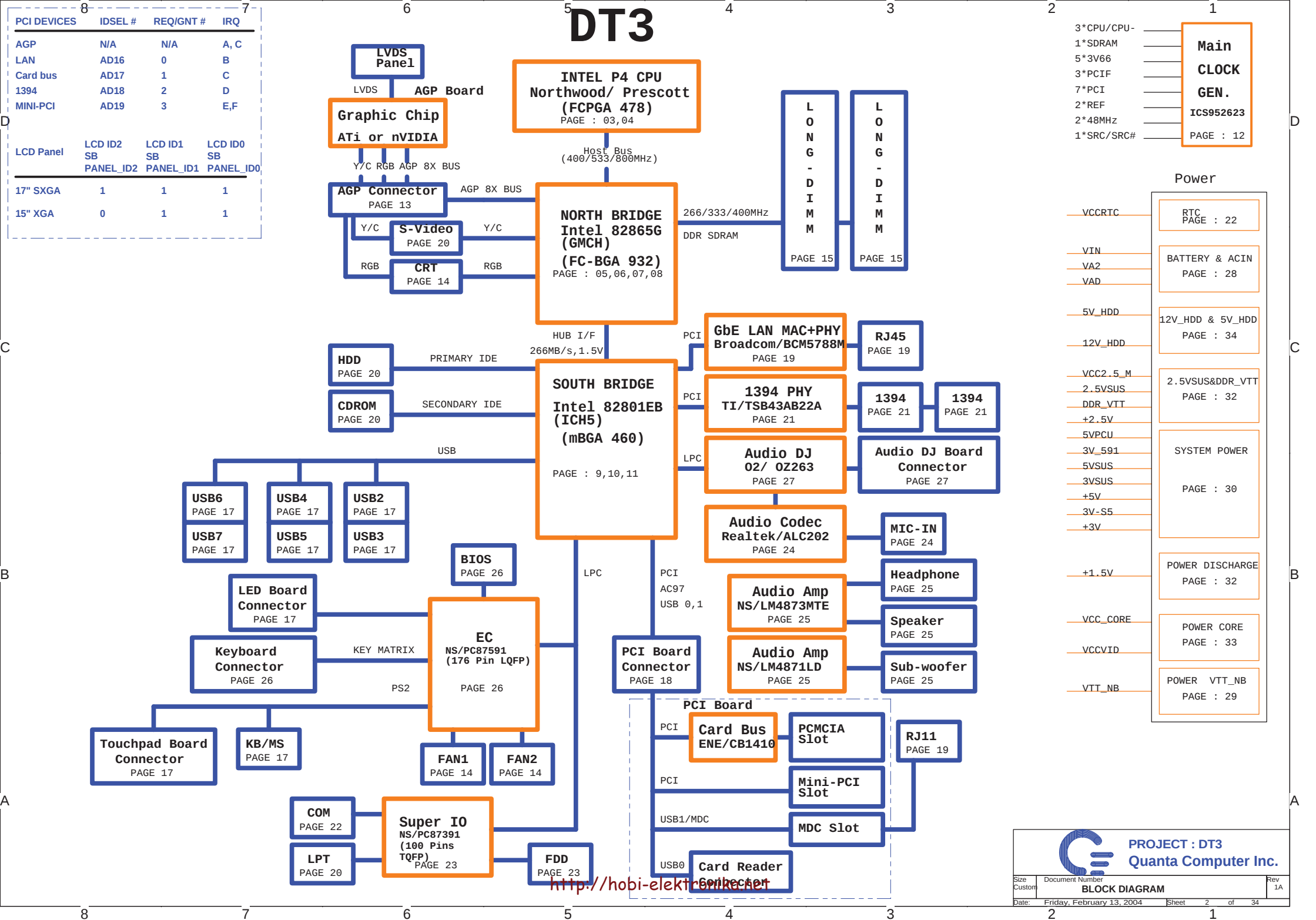


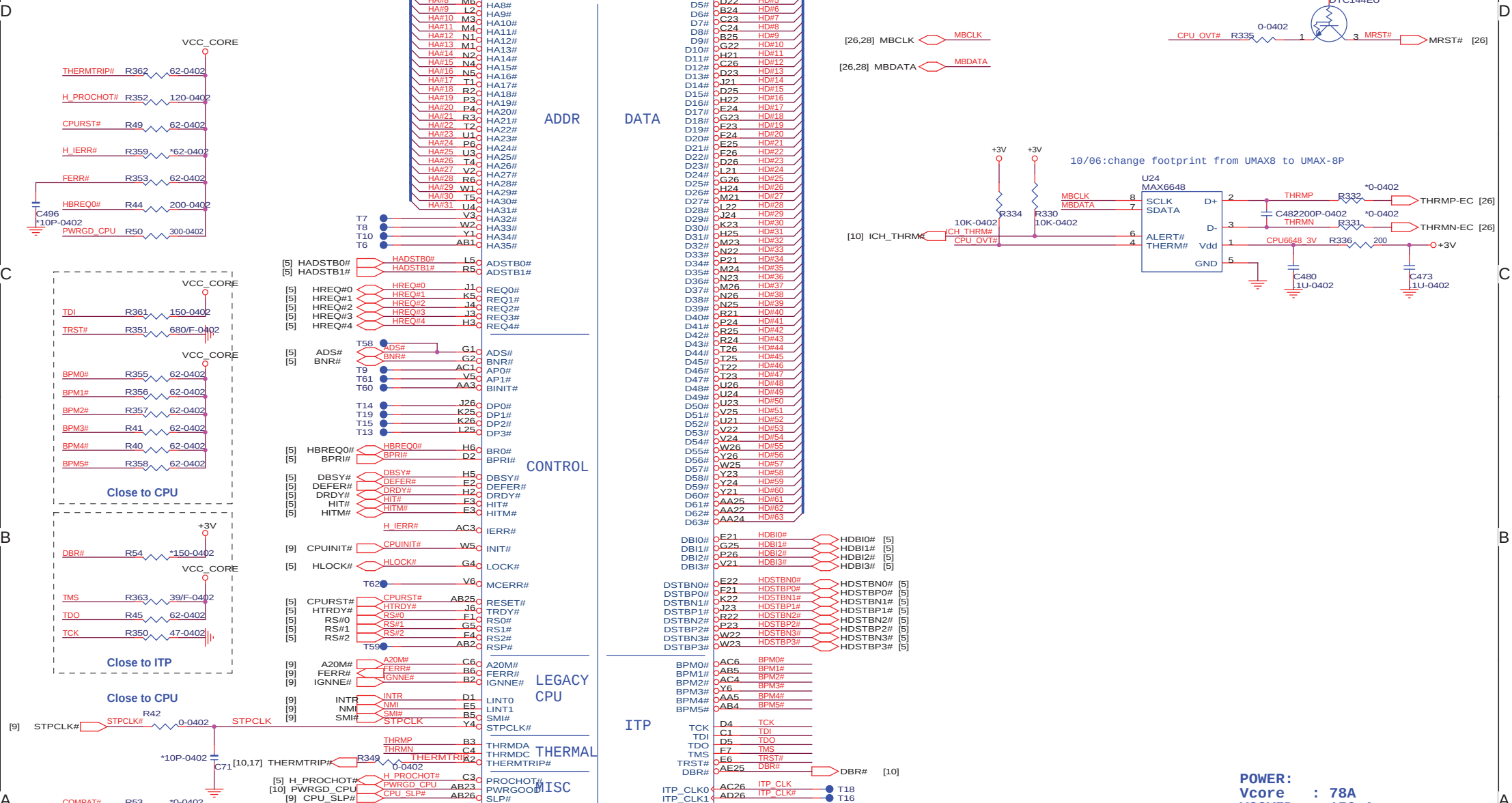
QUANTA COMPUTER INC.

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DT3



PROJECT : DT3
Quanta Computer Inc.



BOOTSEL	CPU
LOW	NORTHWOOD
HIGH	PRESCOOT

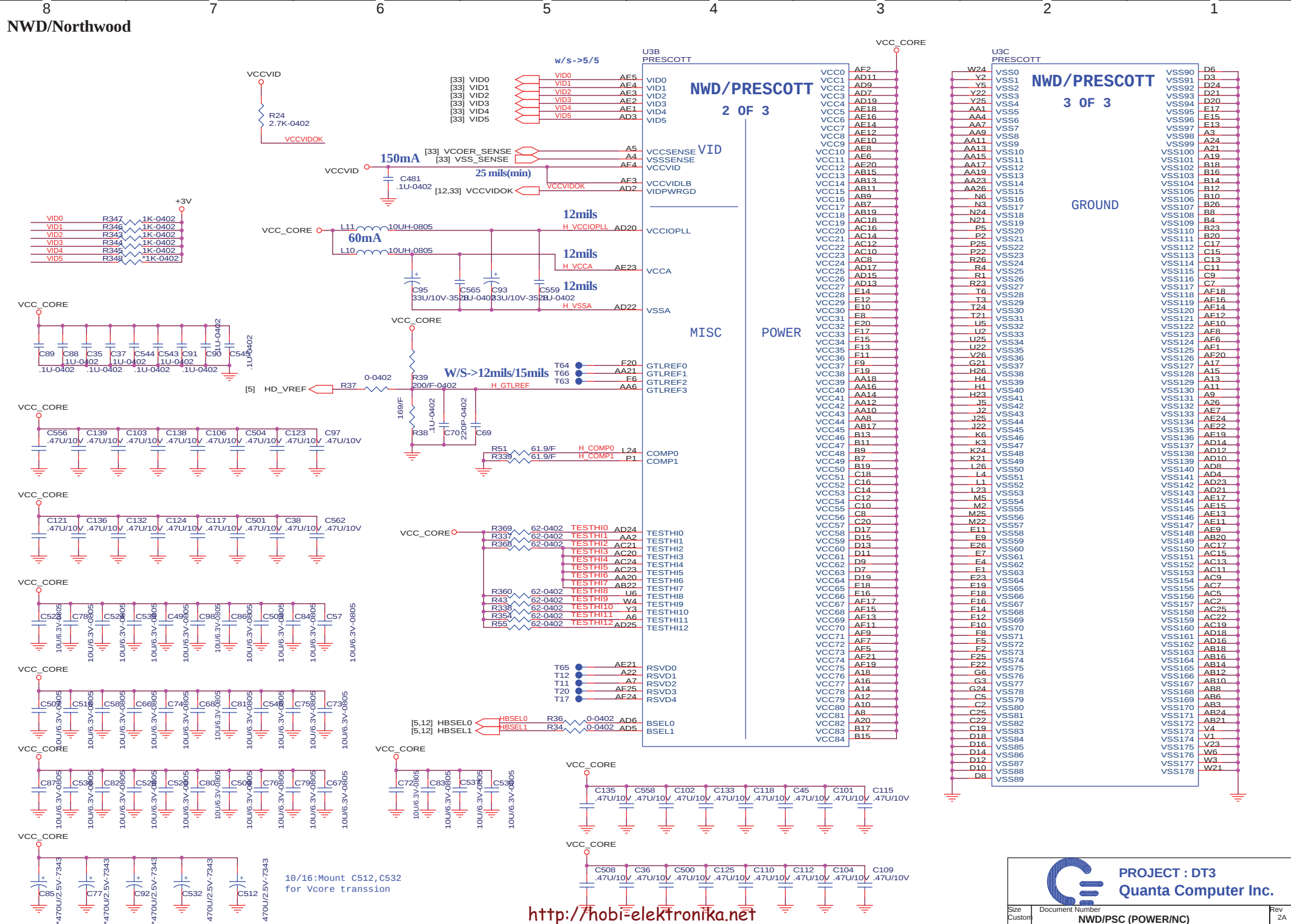
<http://hobi-elektronika.net>

POWER:
Vcore : 78A
VCCVID : 150mA

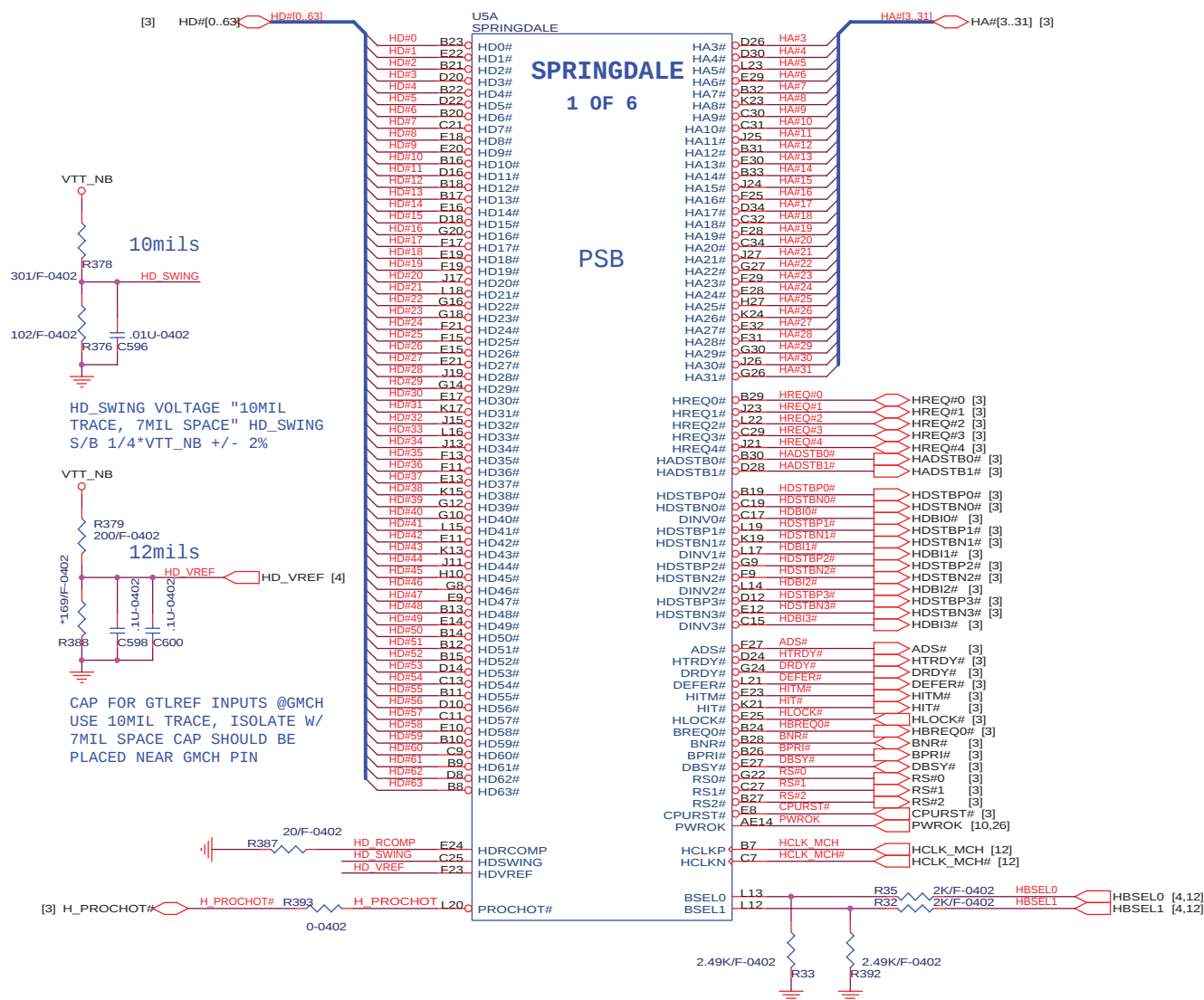


PROJECT : DT3
Quanta Computer Inc.

Size Custom	Document Number NWD/PSC (HOST BUS)	Rev 1A
Date:	Friday, February 13, 2004	Sheet 3 of 34

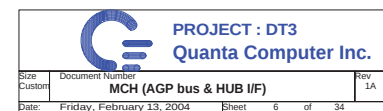


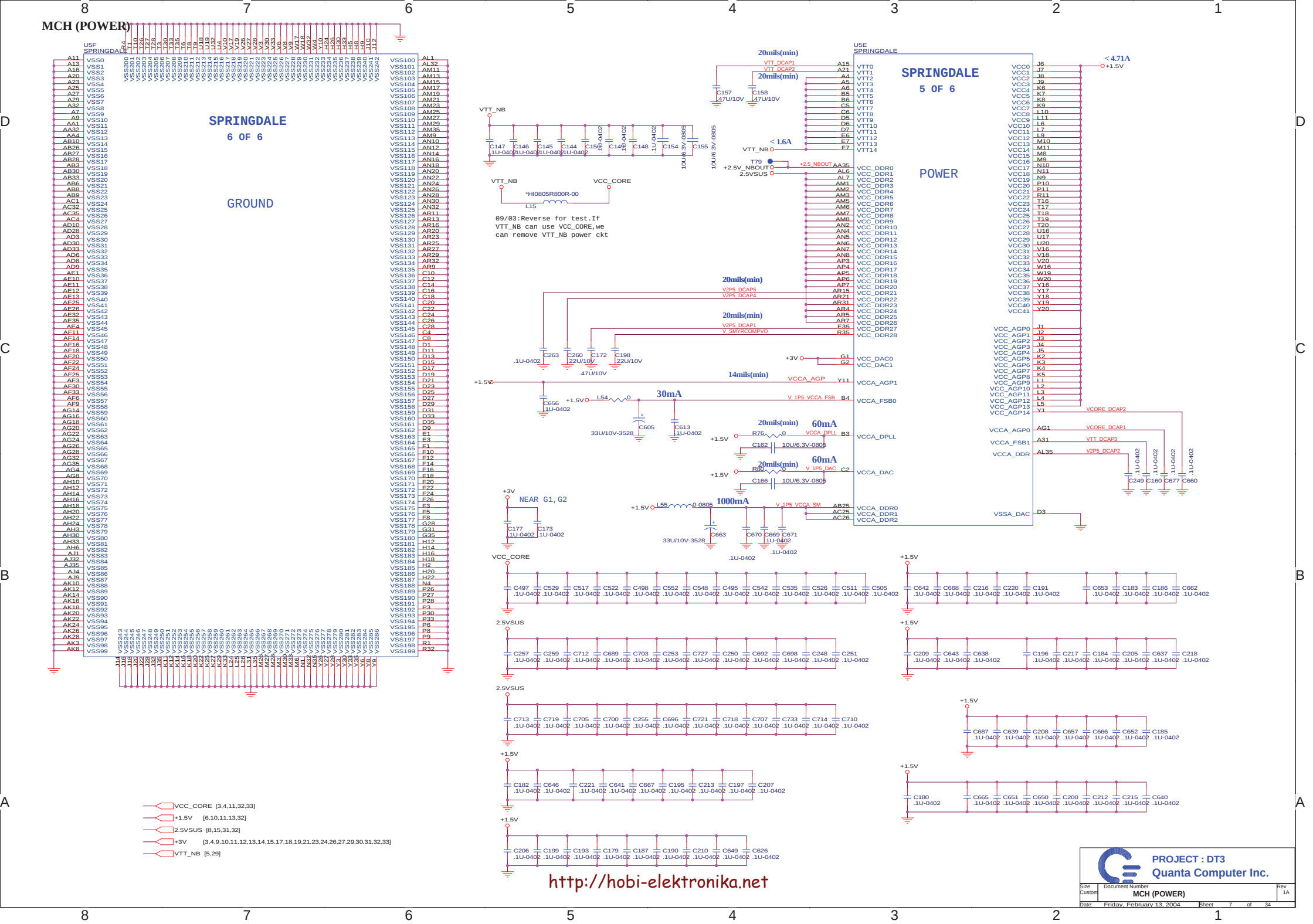
MCH (Host bus)

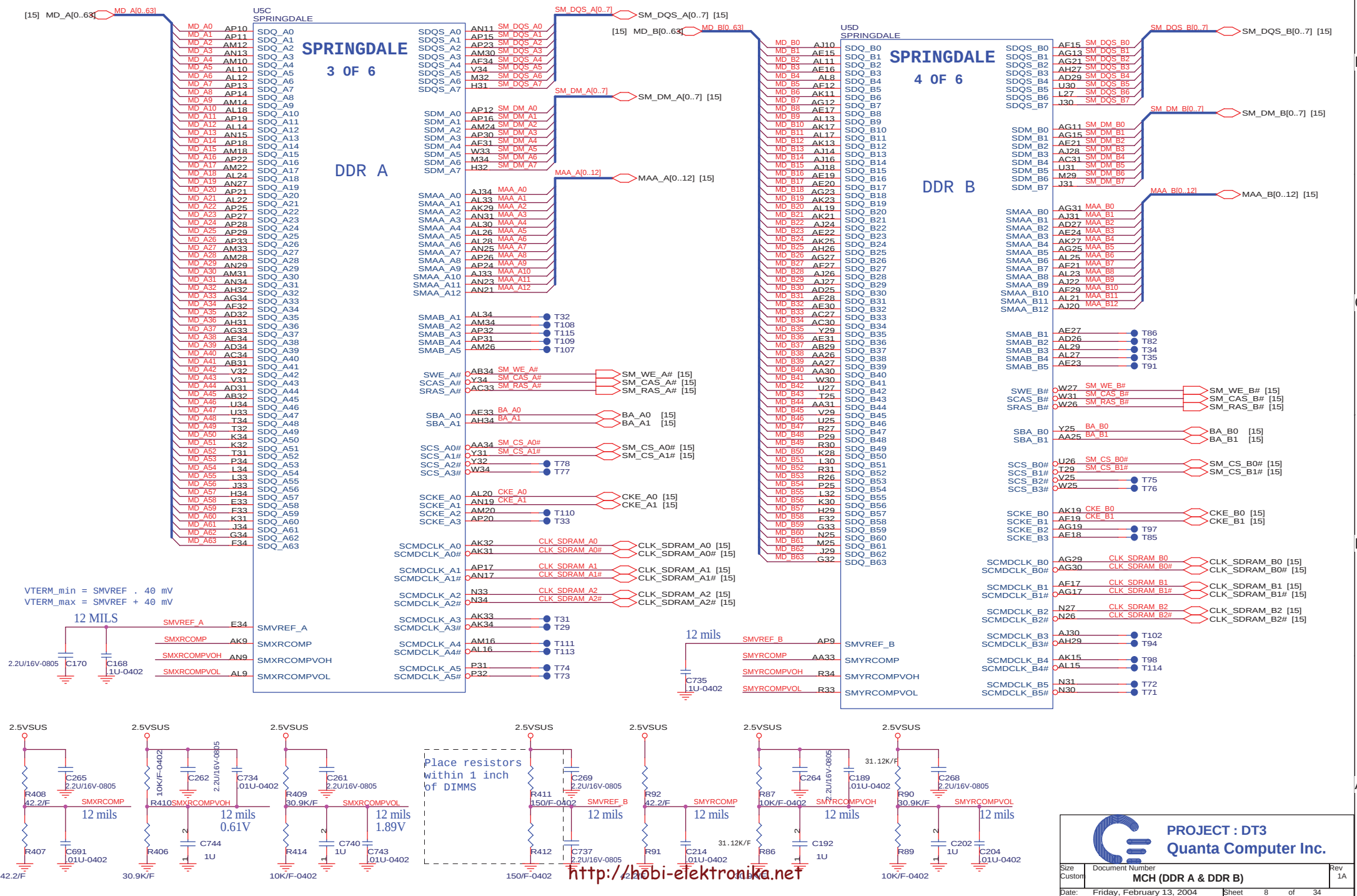


POWER:

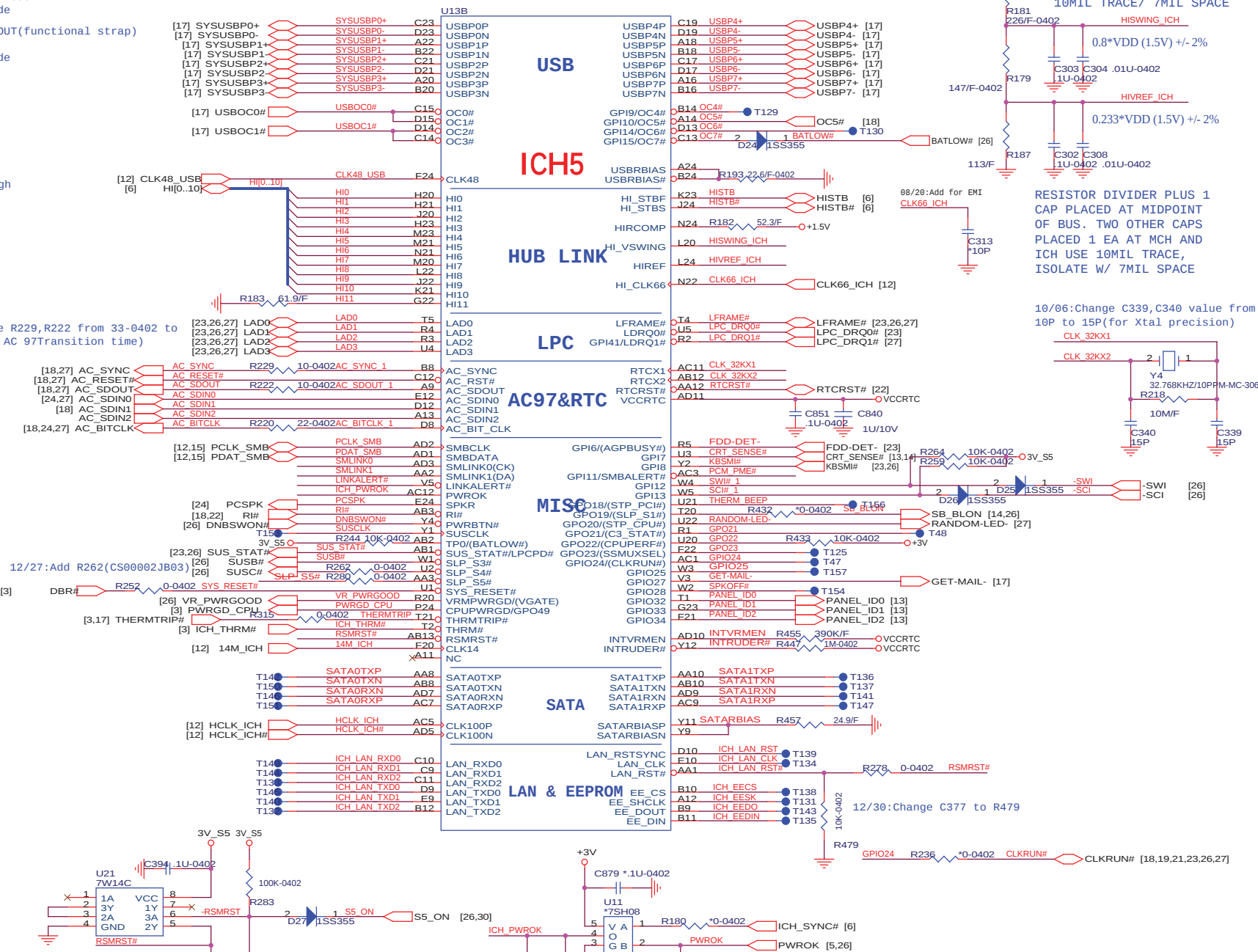
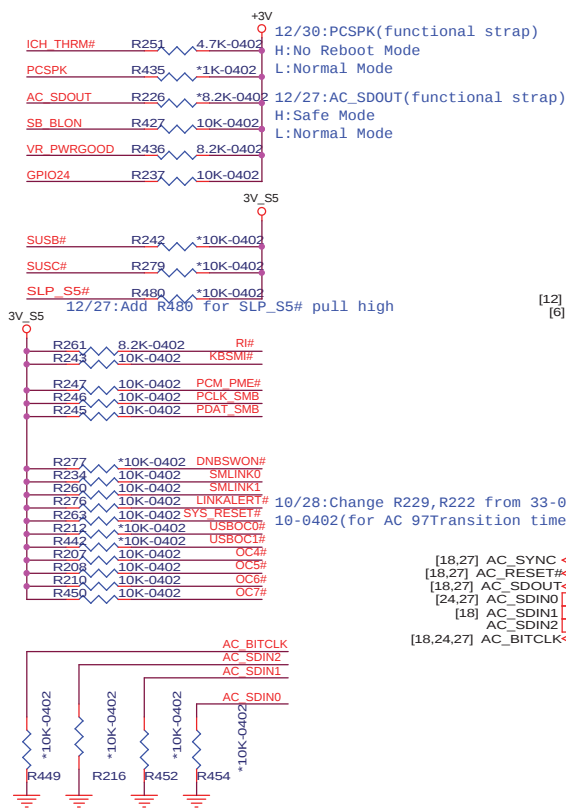
1.5V	: 4.71A
1.225V/1.45V	: 1.6A
2.55V	: 4.9A
3.3V	: 0.2A



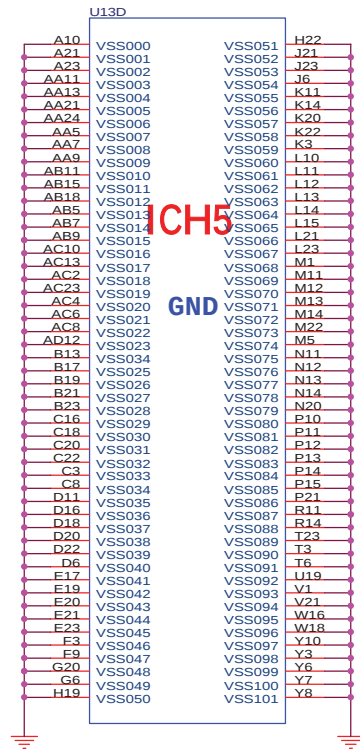
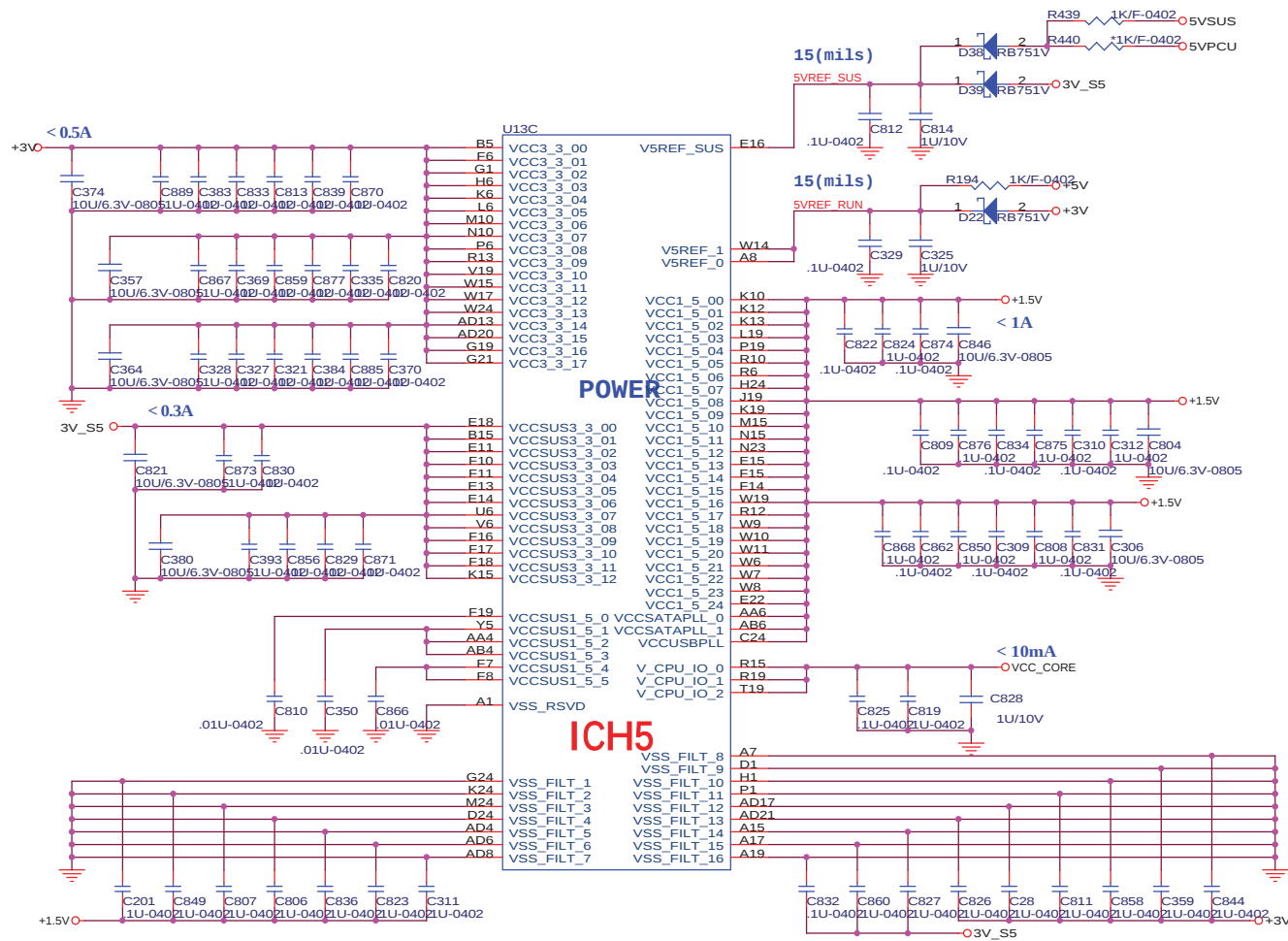




ICH5 (USB/HUB/LPC/AC97)

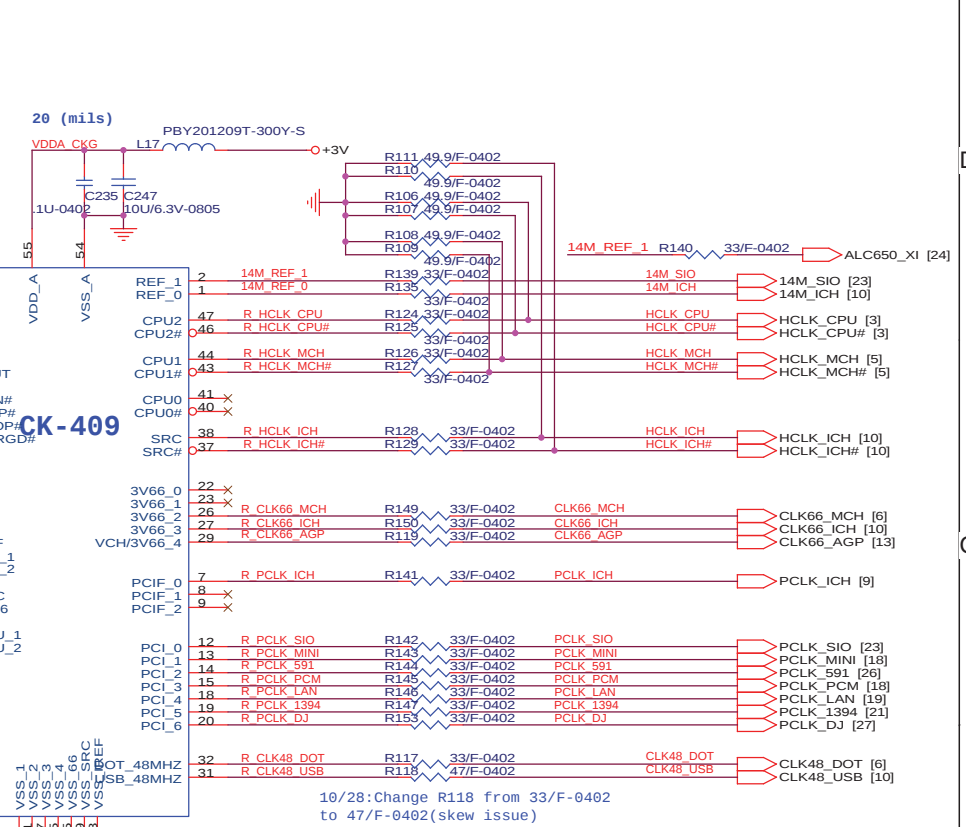
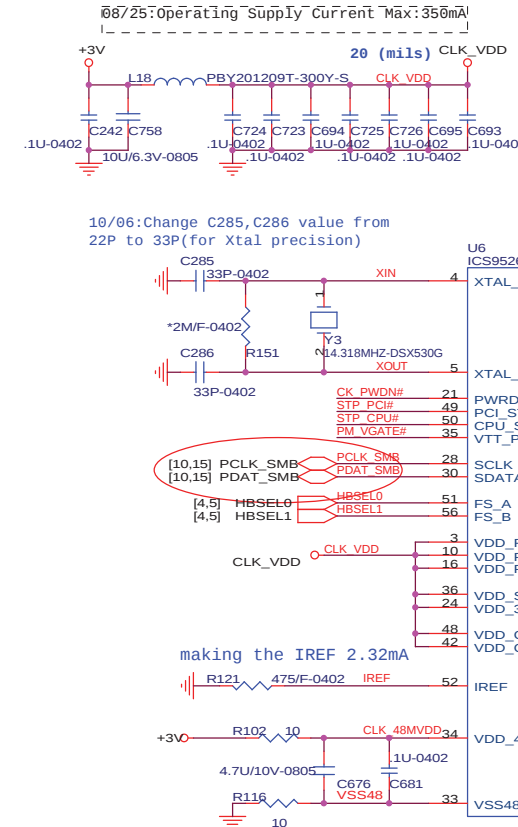
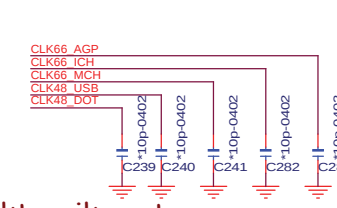
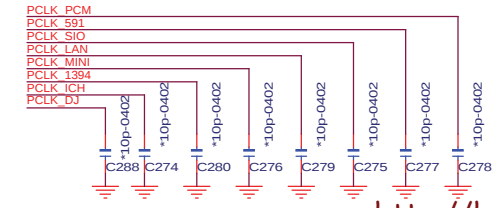
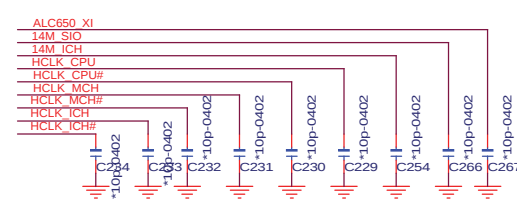
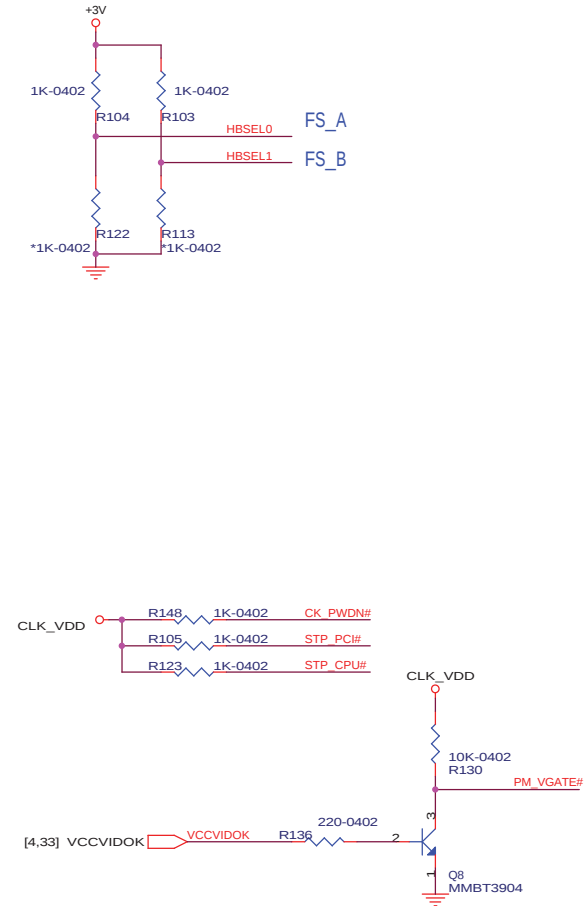


ICH5 POWER



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

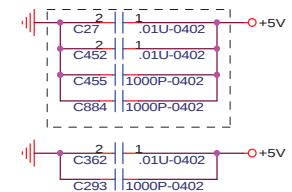
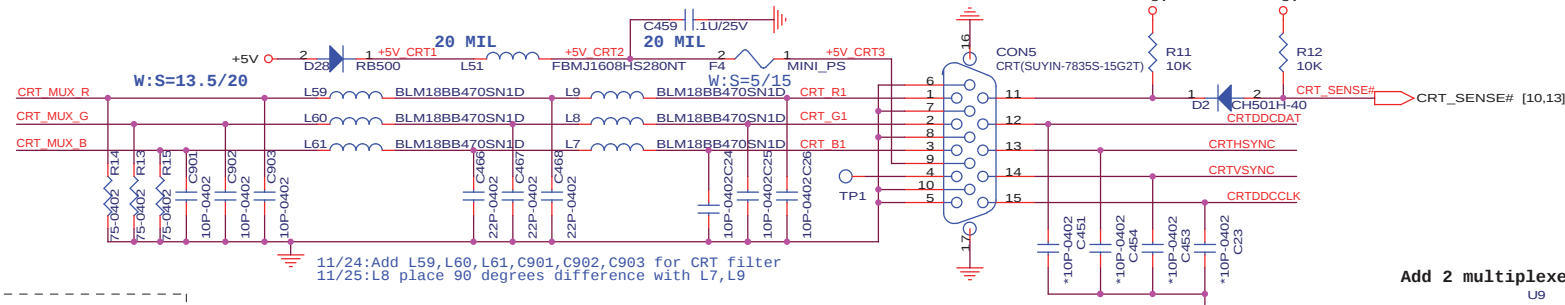


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CRT

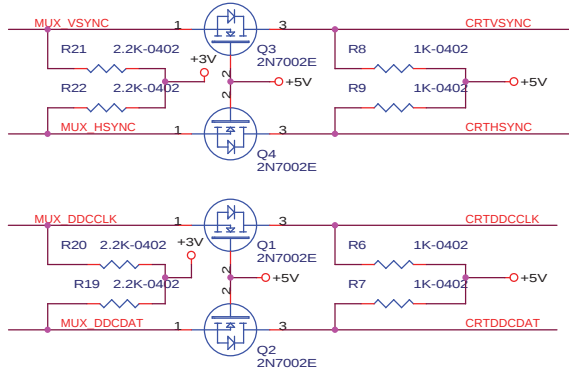
11/17:Change L7,L8,L9 value from BK1608LL680 to BK1608LL121 for EMI solution

CRT PORT

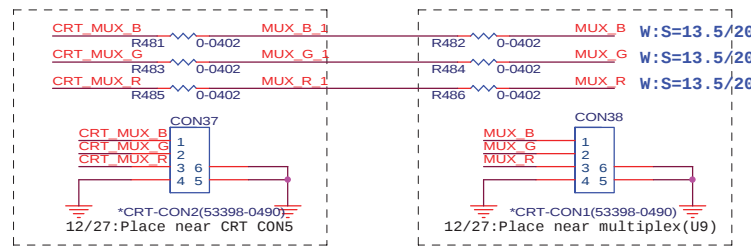


6/17: Add CRT level shift

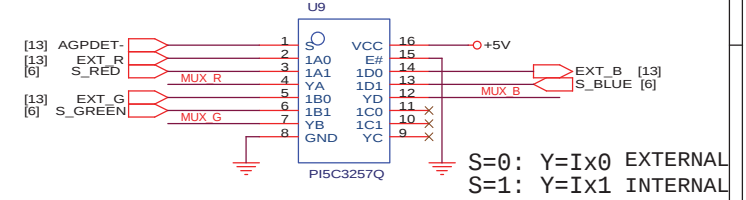
02/13:Change R6,R7,R8,R9 from CS22202JB00 to CS21002JB00(Meet different LCD specs)



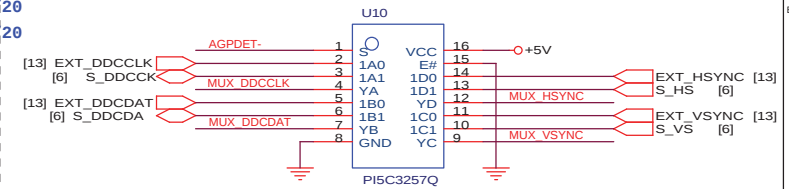
12/27:Add CON37,CON38,R481,R482,R483,R484,R485,R486 for prevent CRT flicker



Add 2 multiplexer for CRT and TV swap



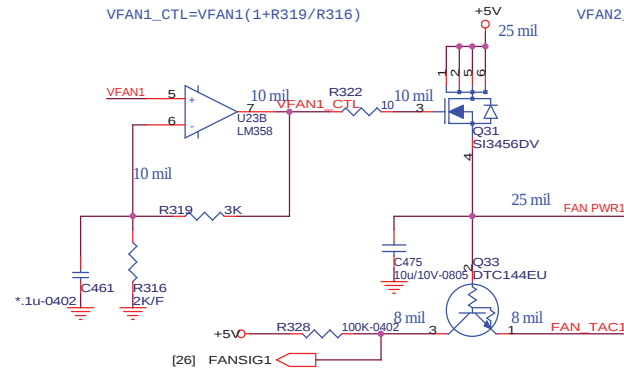
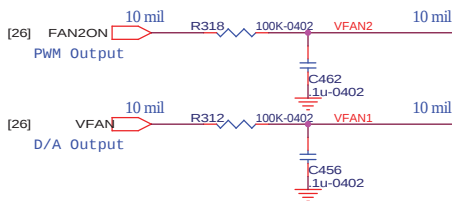
Video AND CRT MUXED SIGNALS



FAN Control

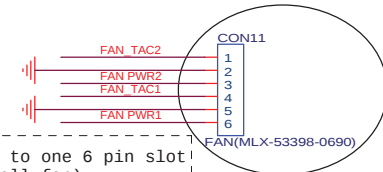
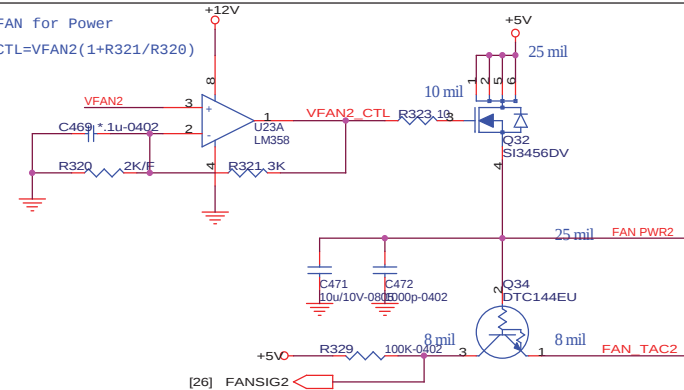
Big FAN for CPU

VFAN1_CTL=VFAN1(1+R319/R316)



Small FAN for Power

VFAN2_CTL=VFAN2(1+R321/R320)

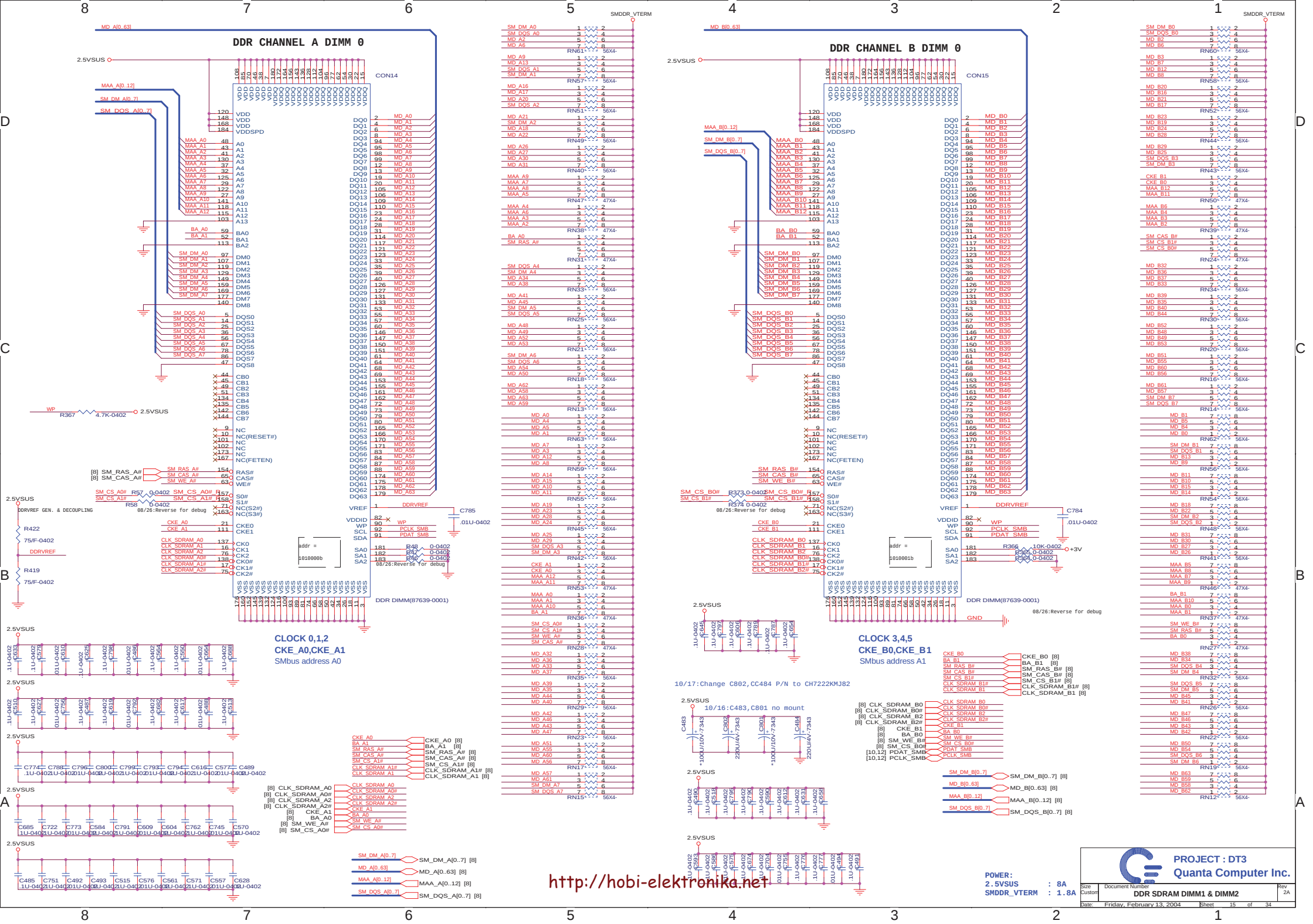


6/12: Change two 3 pin slots to one 6 pin slot (123 for big fan, 456 for small fan)

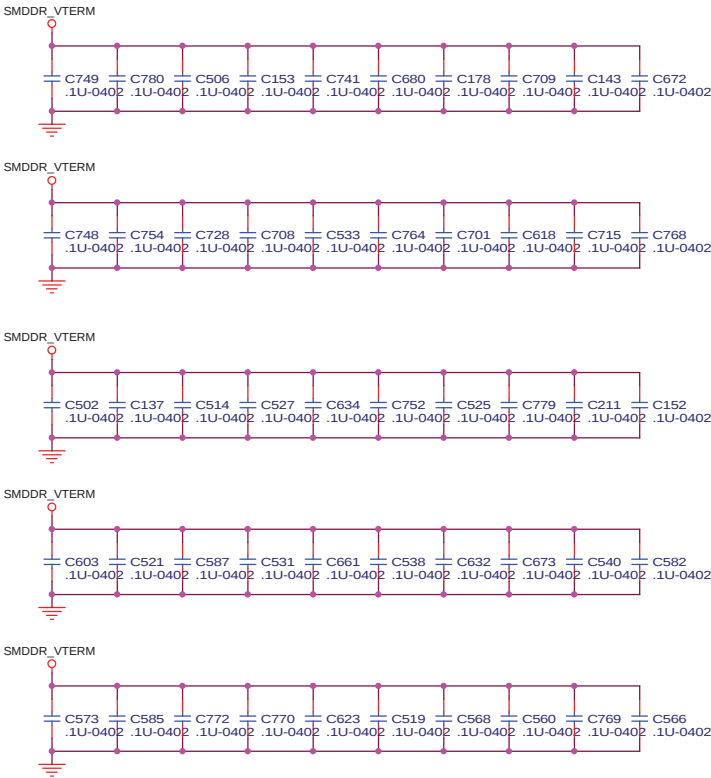
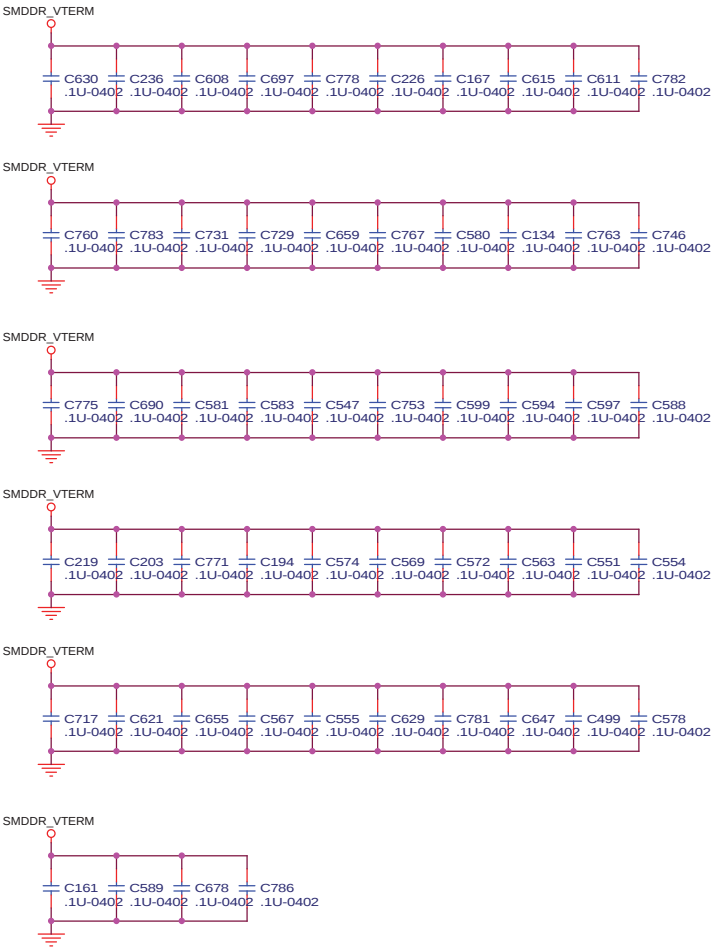
LCD-LID



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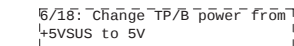
DDR CHANNEL A&B RESISTOR TERMINATION



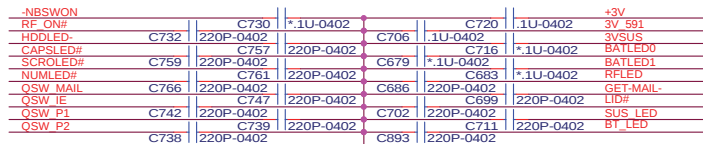
```
6/5: Remove common mode
choke (CML6, CML8) to short
```



CONNECT TO LED/B

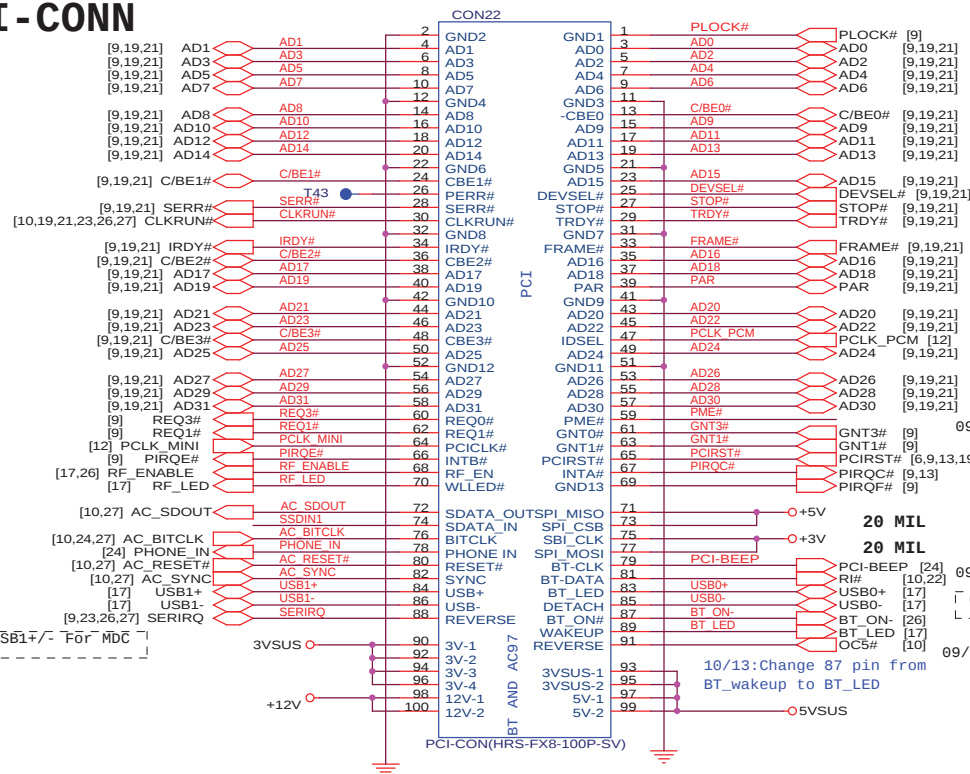
[illegible]

PS/2

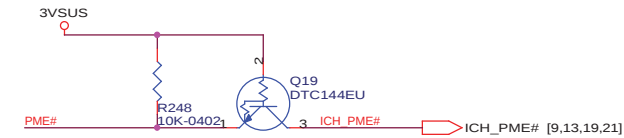


http://hobi-elektronika.net

PCI-CONN



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

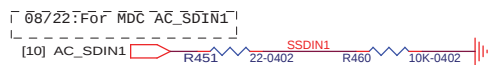


09/03:Pin 59 change from PME# to TP

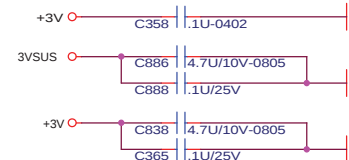
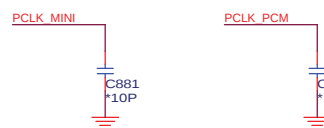
09/03:Pin 81 change from NC to PME#

6/5: for card reader

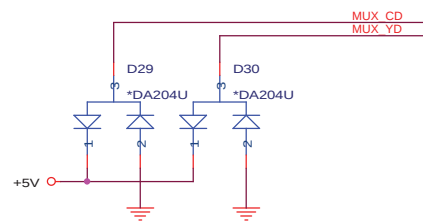
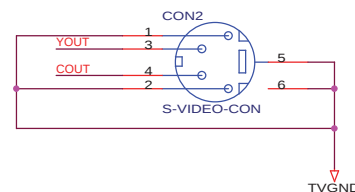
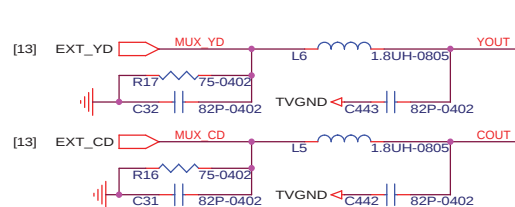
09/04:Over current for CardBus



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



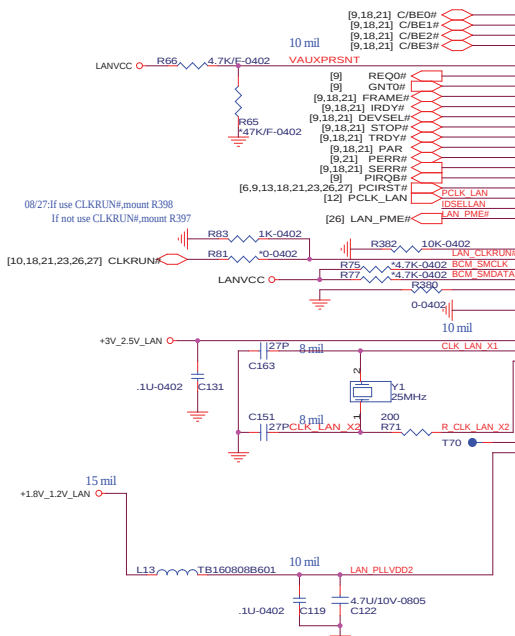
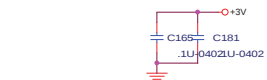
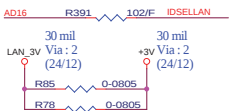
S-VIDEO(TV OUT)



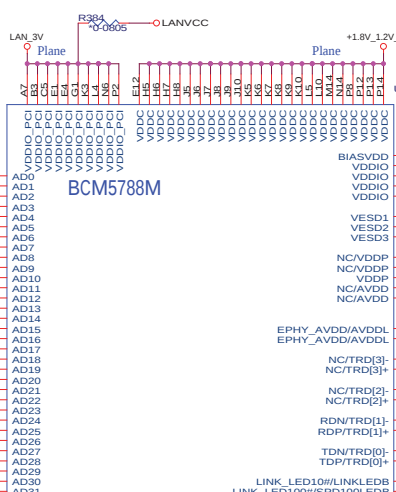
<http://hobi-elektronika.net>

LAN (Boardcom BCM5788M)

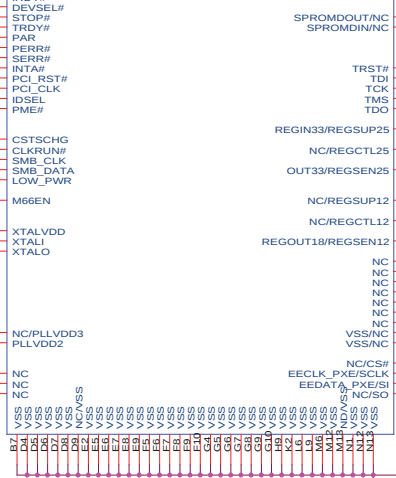
ID Select : AD16
Interrupt Pin : PIQRB#
Request indicates : REQ0#
Grant indicates : GNT0#



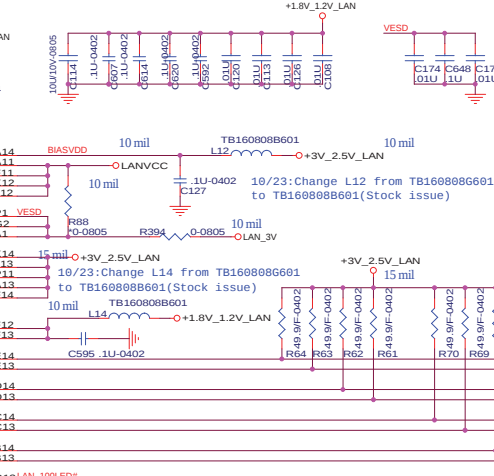
10/23:Change L13 from TB160808G601 to TB160808B601(Stock issue)



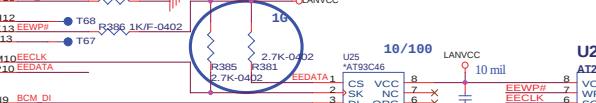
15mm x 15mm BGA196



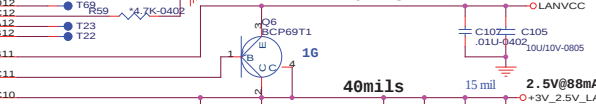
BCM4401 is for 10/100(1.8)
BCM5702 is for giga
BCM5705M is for giga cost-down(12)



LINK_LED10#/LINKLEDB
LINK_LED100#/SPD100LEDB
COL_LED1#/SPD100LEDB
ACT_LED1#/TRAFFICLEDB



10/15:10/100 Mbps Yellow LED
100Mbps Green LED

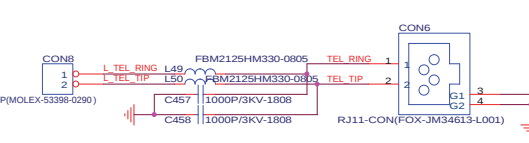


1.5" AWAY FROM CHIP
Use Philips BCP69-16, H=75-275



10/06:Change CON9 footprint from jfm3131x-3320w-14p to jfm3131x-3330w-14p

10/17:Change P/N to DFT310FR101



10/22:Change U26 P/N from AKE3B1NKE05 to AKE3N8BKA04(AT24C128-10T1-2.7)



10/22:Change U26 P/N from AKE3B1NKE05 to AKE3N8BKA04(AT24C128-10T1-2.7)



10/22:Change U26 P/N from AKE3B1NKE05 to AKE3N8BKA04(AT24C128-10T1-2.7)



10/22:Change U26 P/N from AKE3B1NKE05 to AKE3N8BKA04(AT24C128-10T1-2.7)



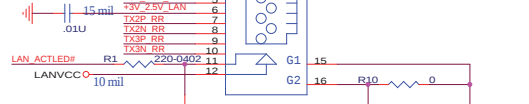
10/22:Change U26 P/N from AKE3B1NKE05 to AKE3N8BKA04(AT24C128-10T1-2.7)



10/22:Change U26 P/N from AKE3B1NKE05 to AKE3N8BKA04(AT24C128-10T1-2.7)



10/22:Change U26 P/N from AKE3B1NKE05 to AKE3N8BKA04(AT24C128-10T1-2.7)



10/22:Change U26 P/N from AKE3B1NKE05 to AKE3N8BKA04(AT24C128-10T1-2.7)

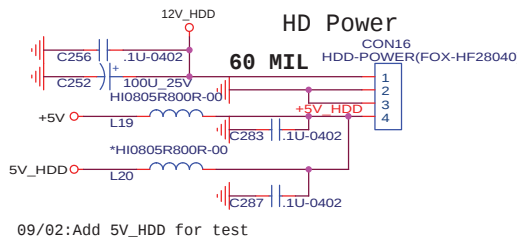
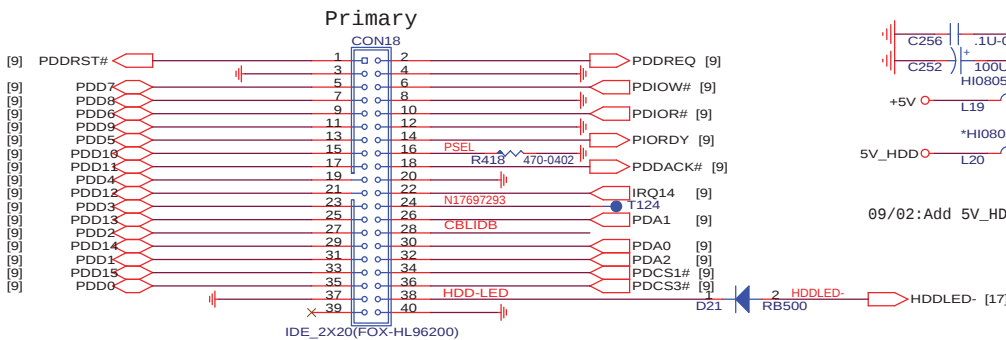


10/22:Change U26 P/N from AKE3B1NKE05 to AKE3N8BKA04(AT24C128-10T1-2.7)

<http://hobi-elektronika.net>

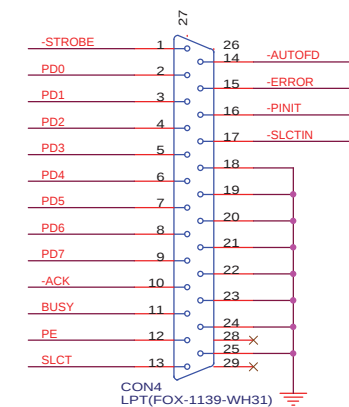
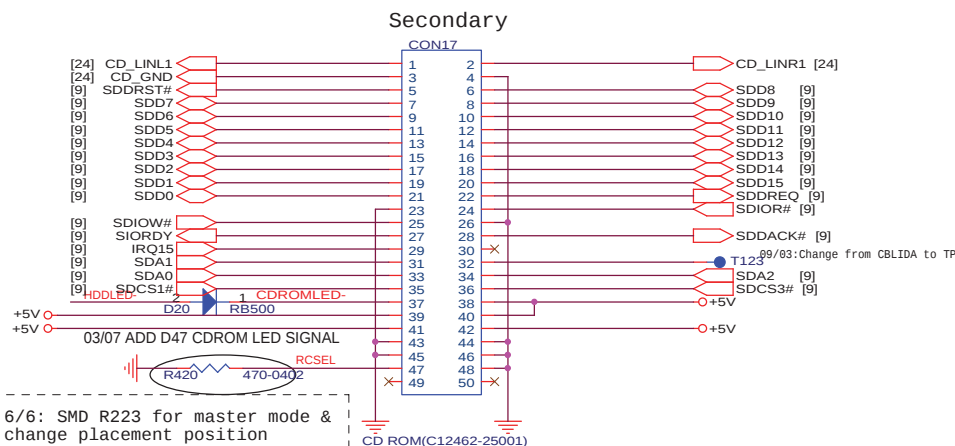
HDD, CD-ROM CONNECTOR

HDD POWER CONNECTOR



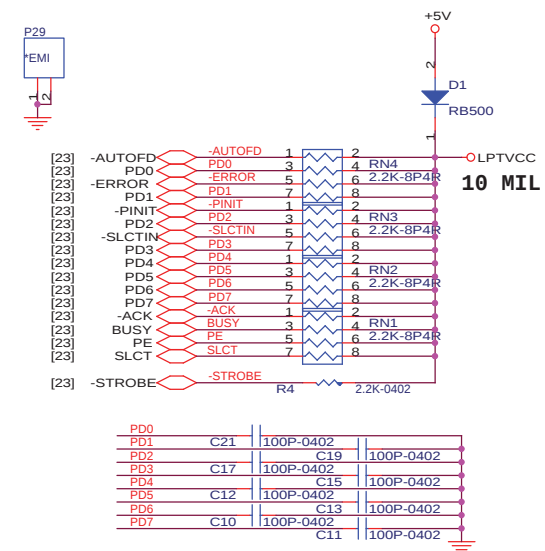
CD-ROM connector

LPT CONN.



11/17:Cut LPT CONN pin 28,29 with GND.It is PLATED HOLE.

-STROBE	C22	100P-0402	C8	100P-0402
-ACK	C9	100P-0402	C15	100P-0402
-ERROR	C7	100P-0402	C6	100P-0402
-PINIT	C18	100P-0402	C20	100P-0402
-SLCTIN	C16	100P-0402	C16	100P-0402



PROJECT : DT3
Quanta Computer Inc.

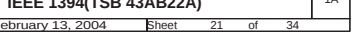
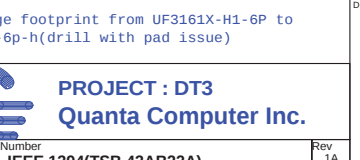
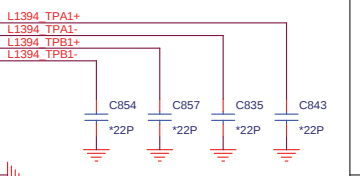
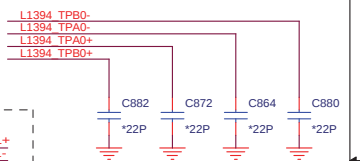
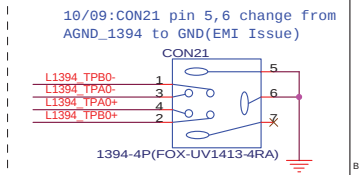
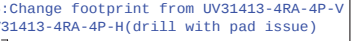
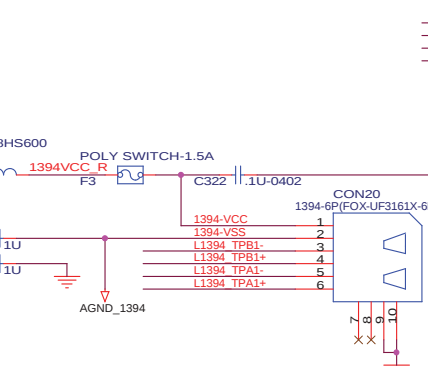
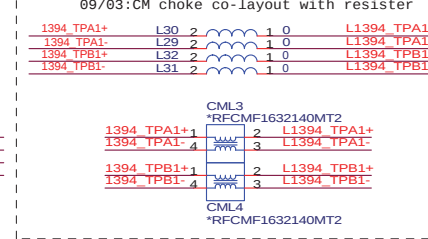
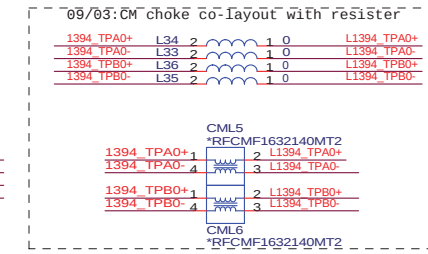
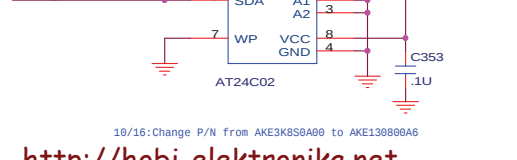
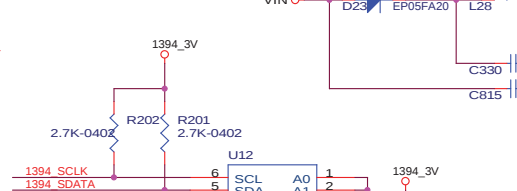
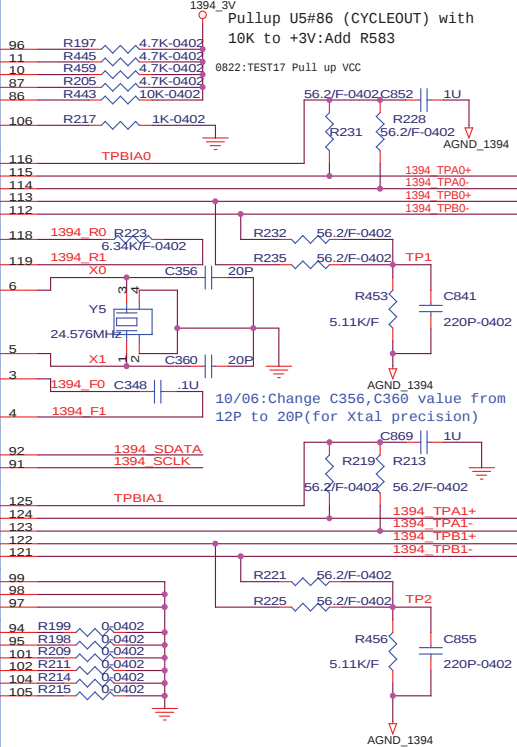
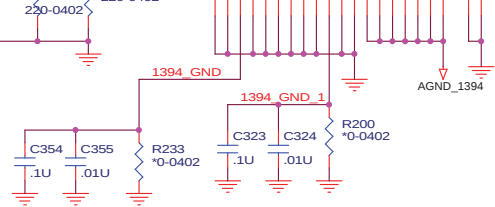
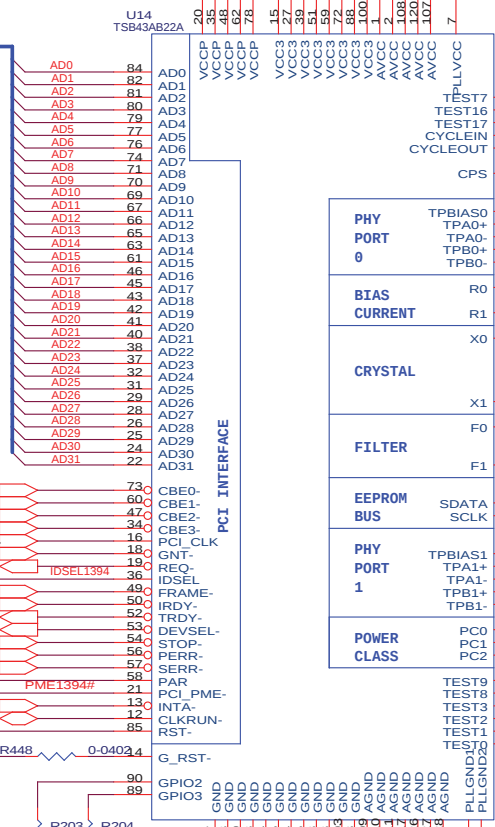
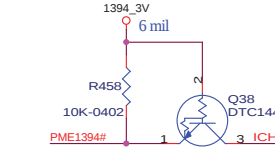
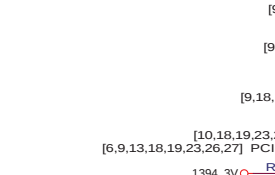
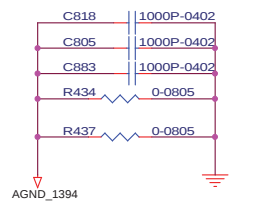
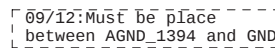
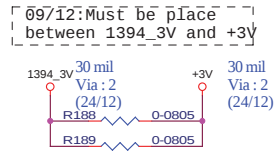
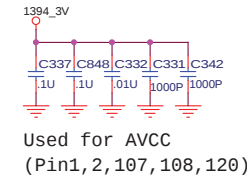
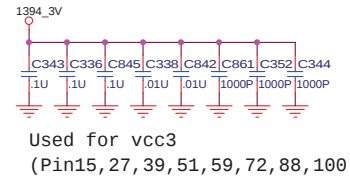
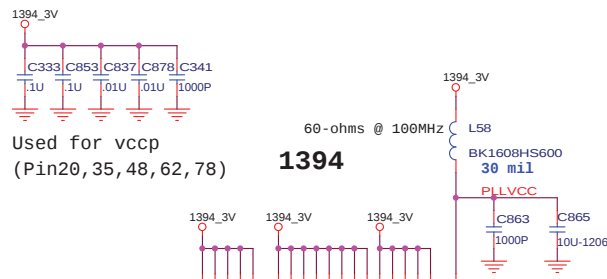
Size: Custom
Document Number: IDE (HDD & CDROM) & LPT
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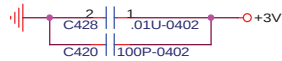
<http://hobi-elektronika.net>

```

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

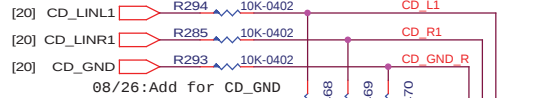
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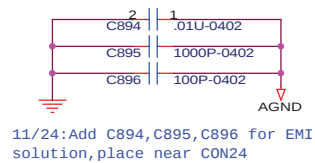
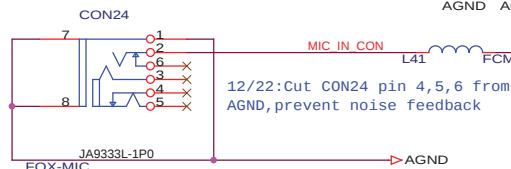


10/24:From CDR0M

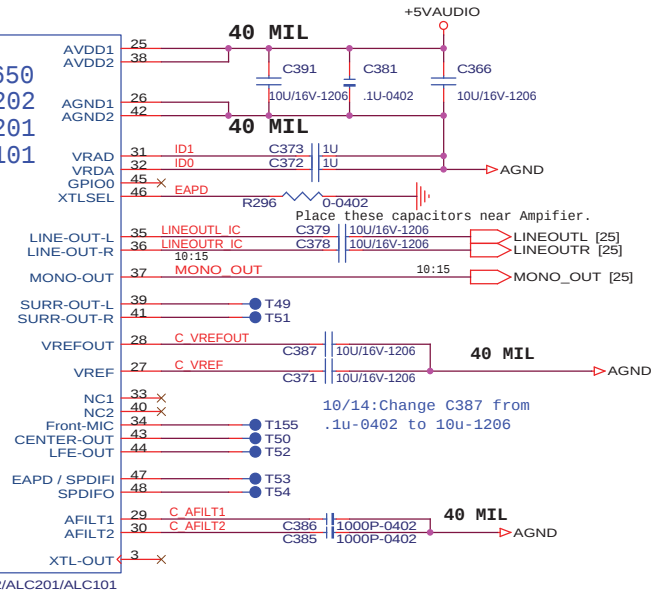
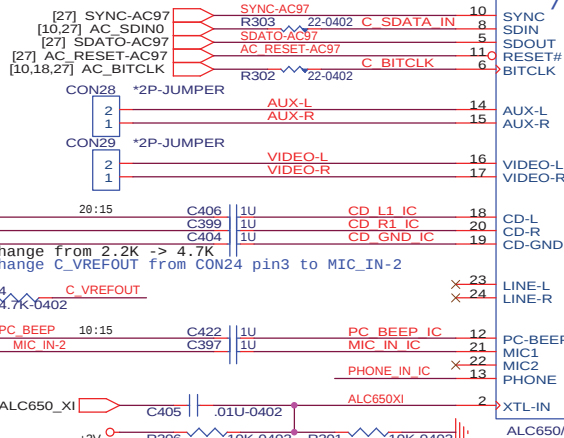
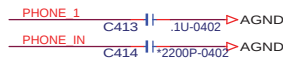
CD_IN(1)



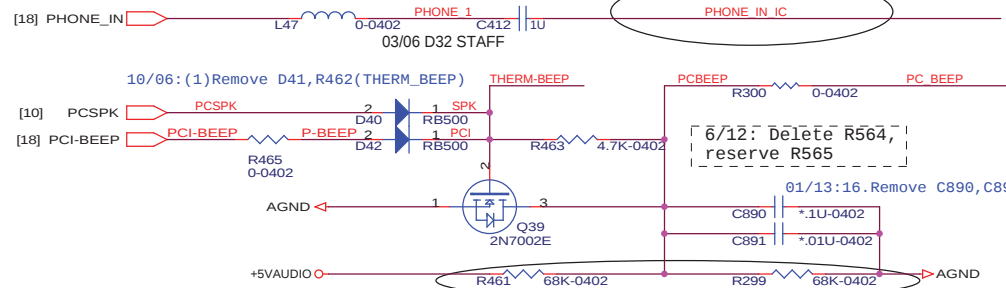
MIC_IN (PINK)



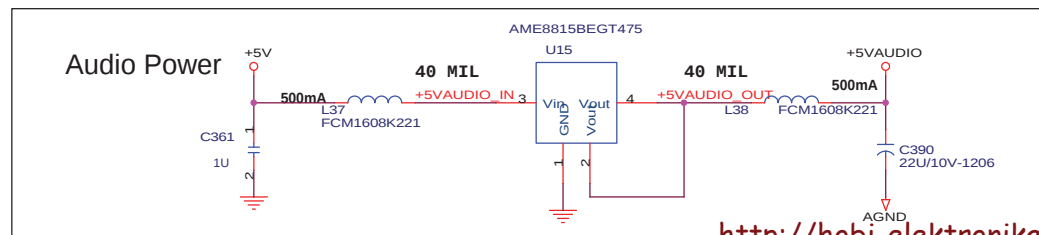
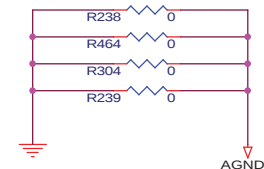
10/29:Change C413 to .1U-0402 for
PHONE_IN noise(C414 no mount)



6/12: Delete C701, C818,
R516 for phone in design



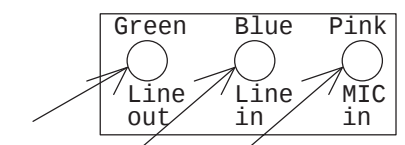
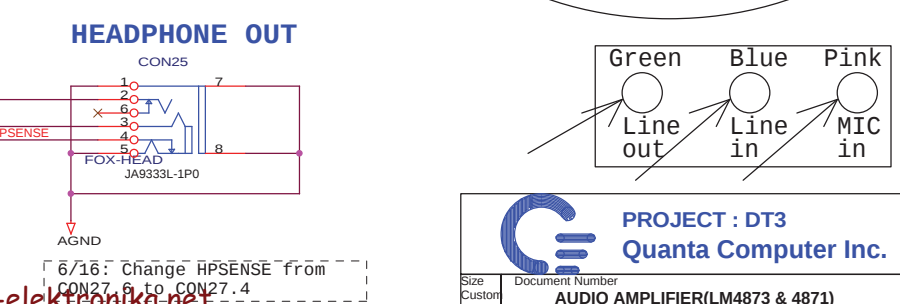
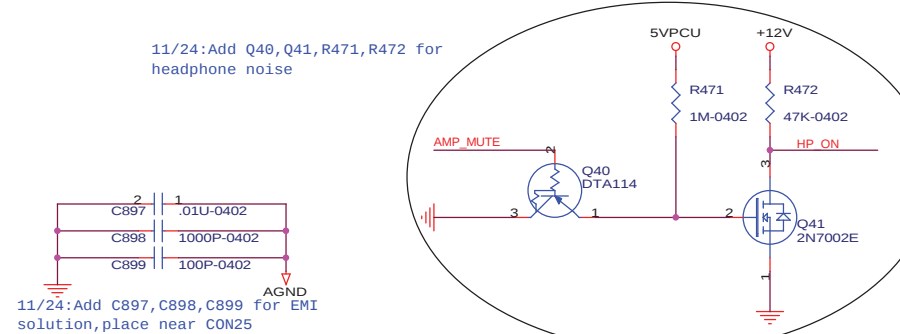
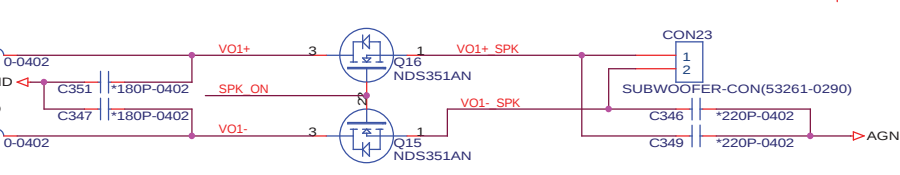
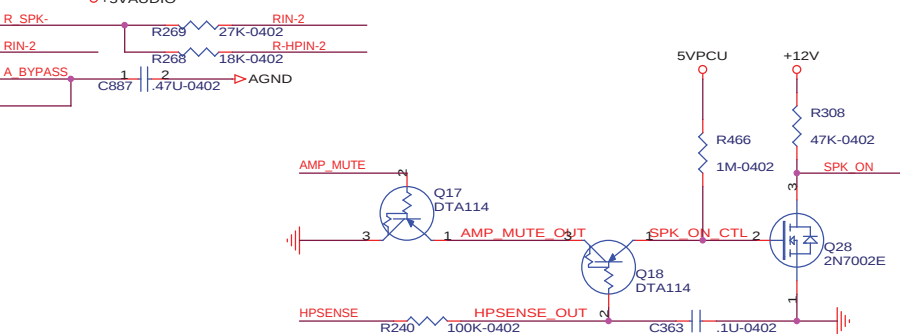
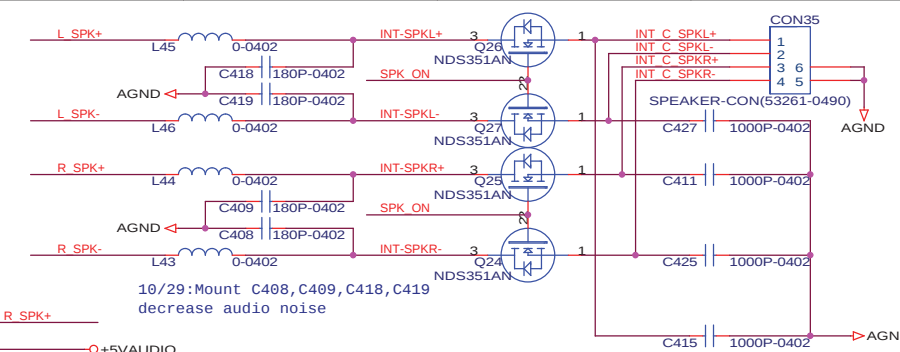
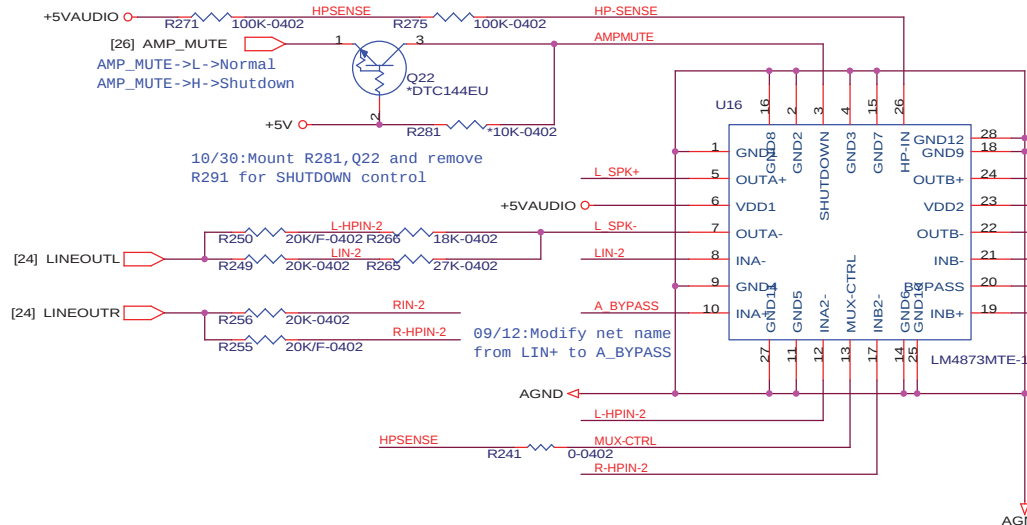
09/12:Must be place
between AGND and GND

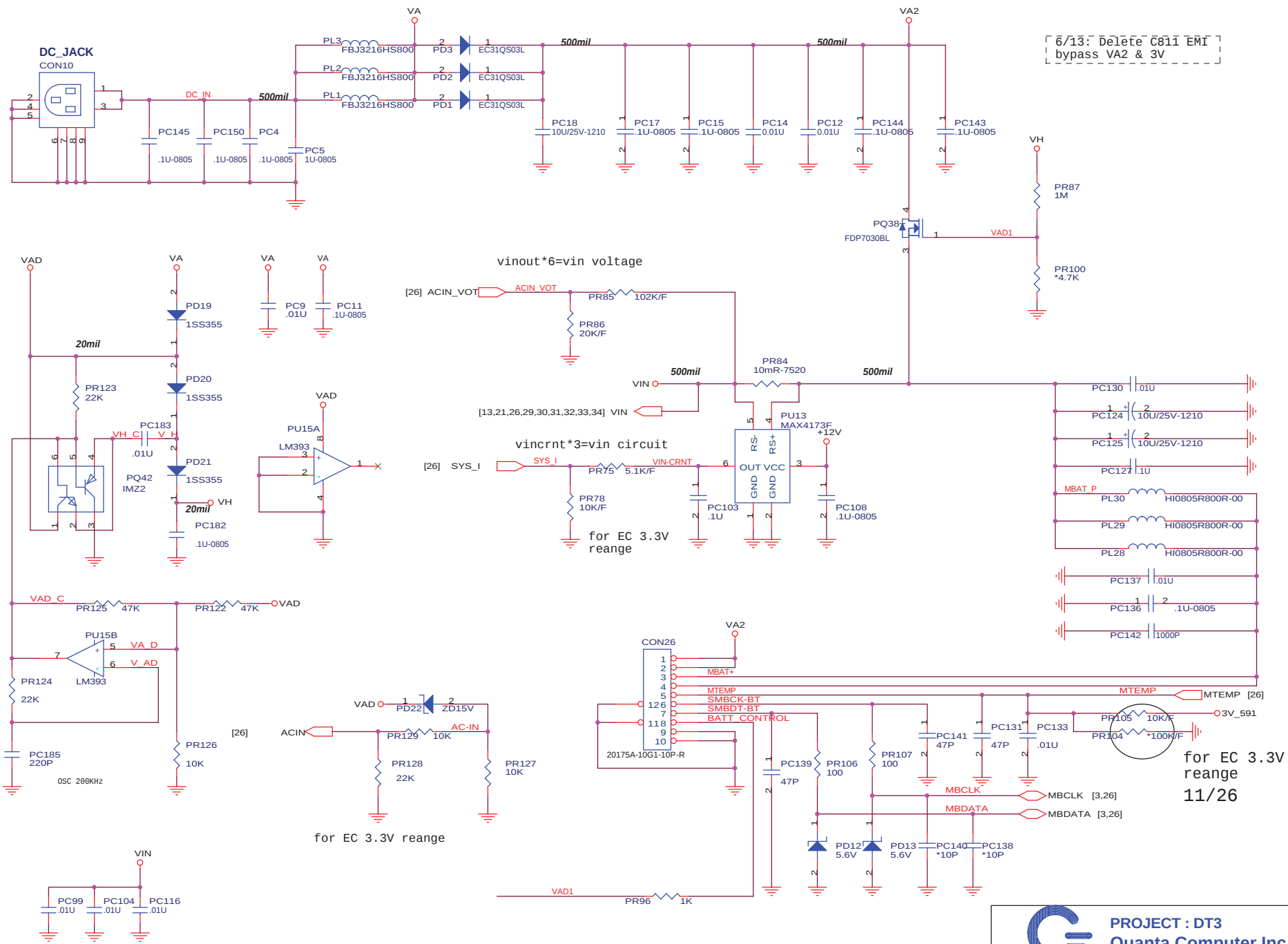


10/20:Change U15 pin 1 to Vout

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Audio amplifier

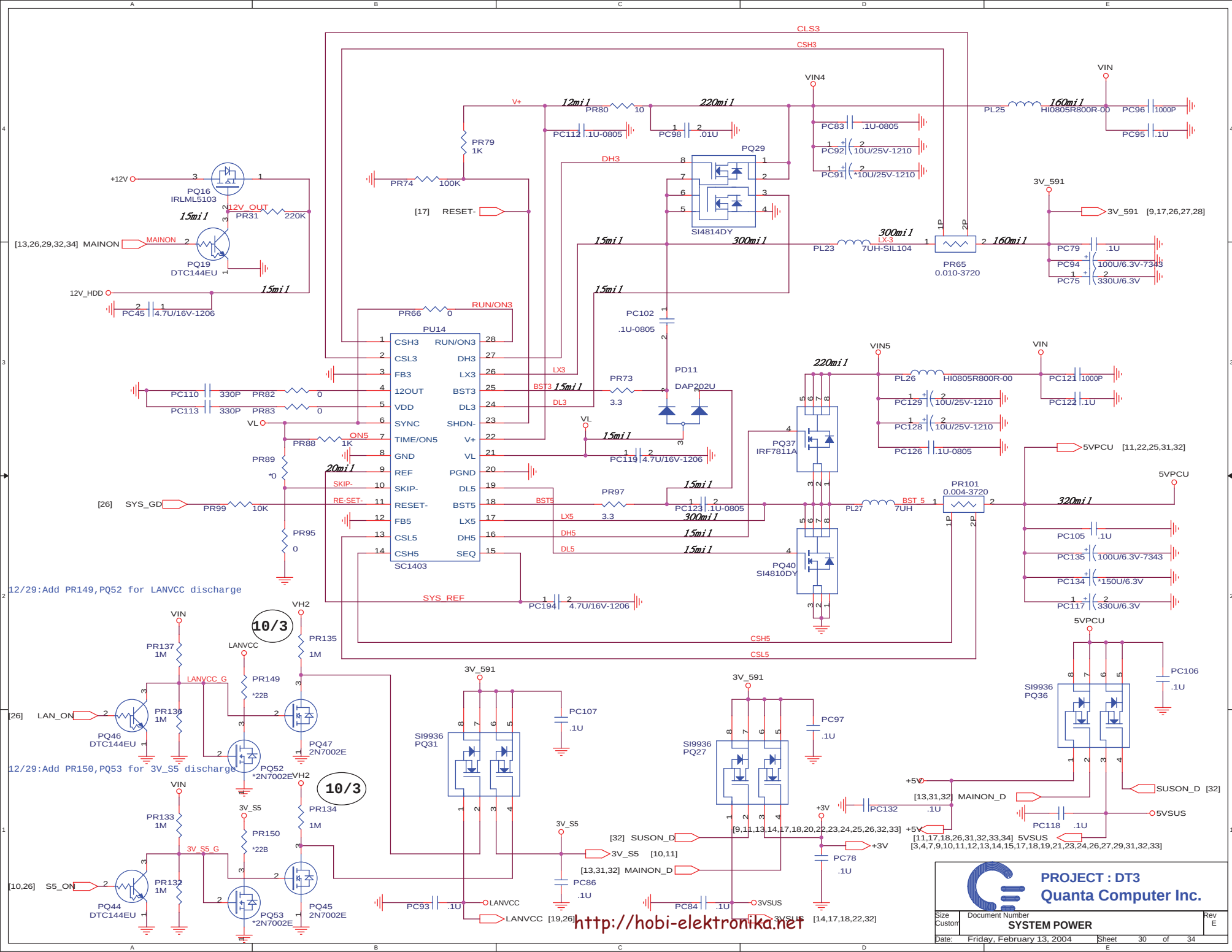


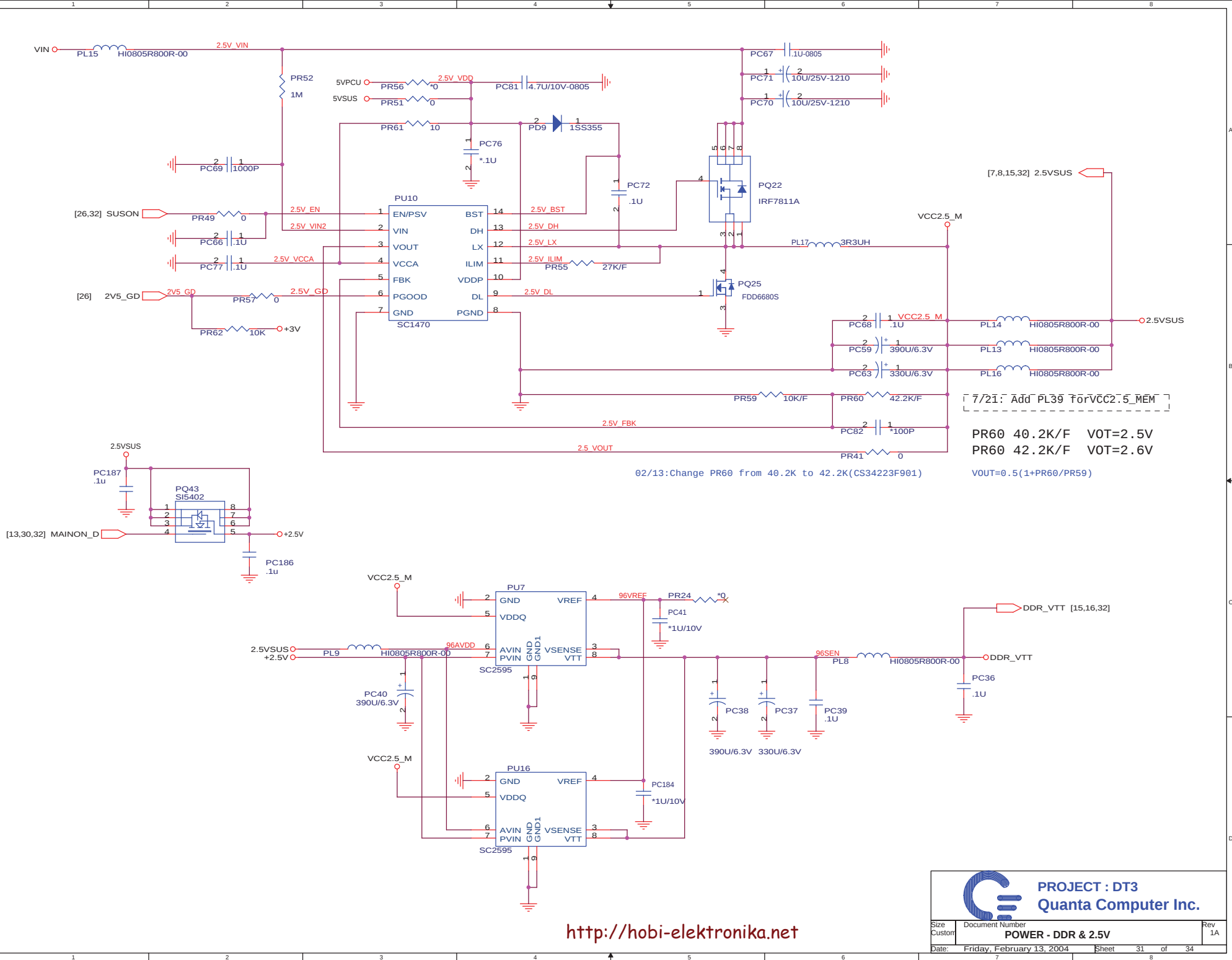


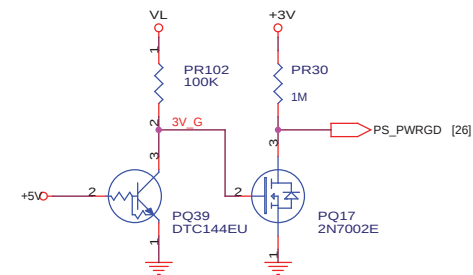
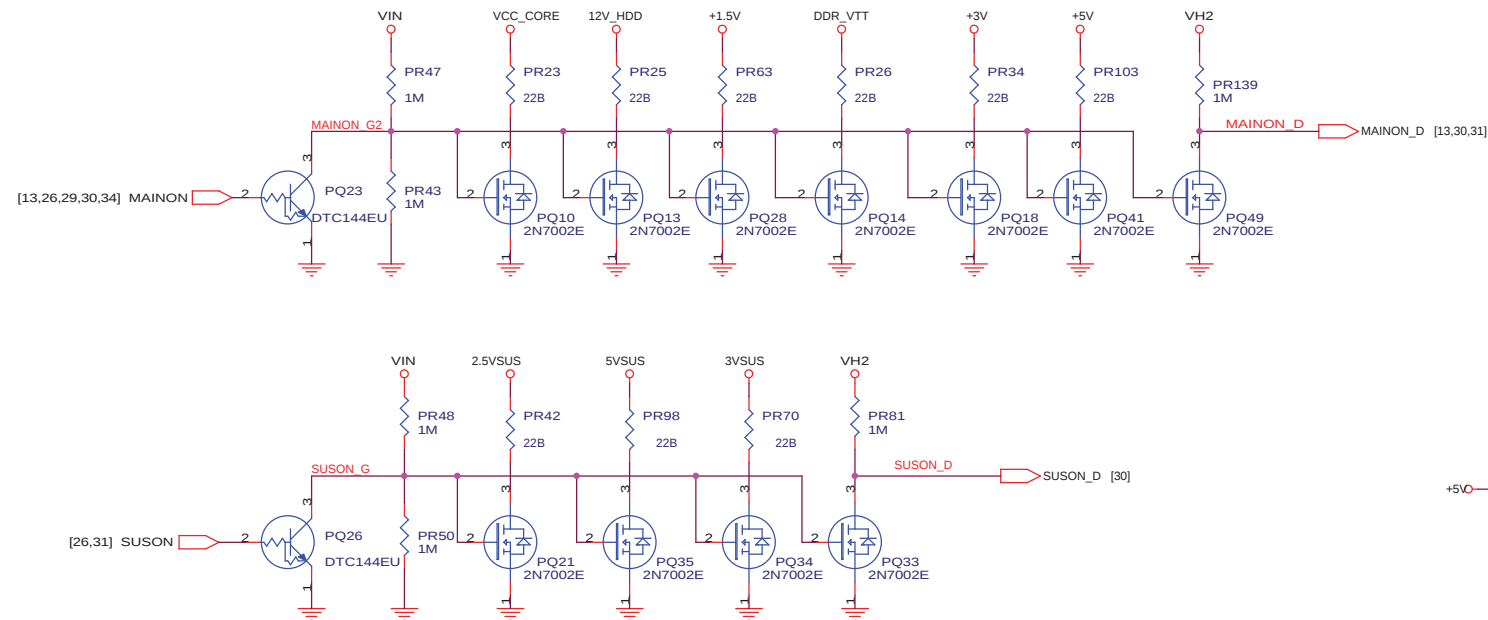
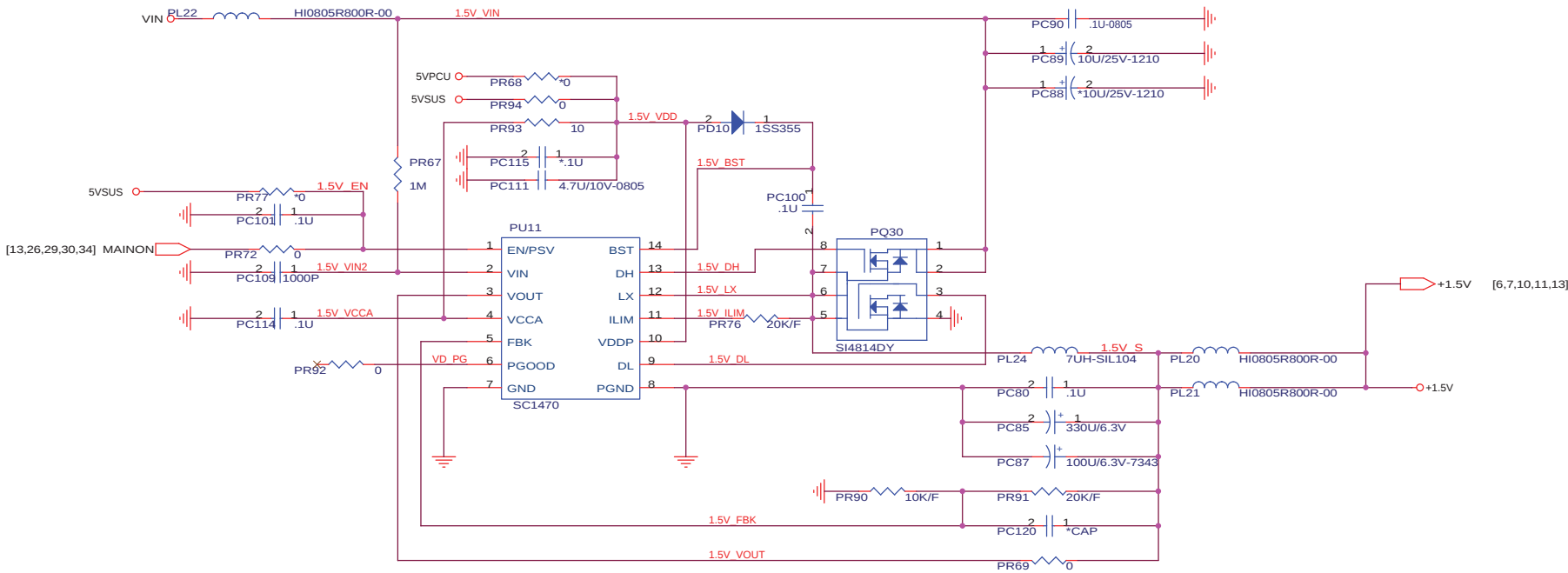
6/13: Delete C811 EMI
bypass VA2 & 3V

for EC 3.3V
reange
11/26



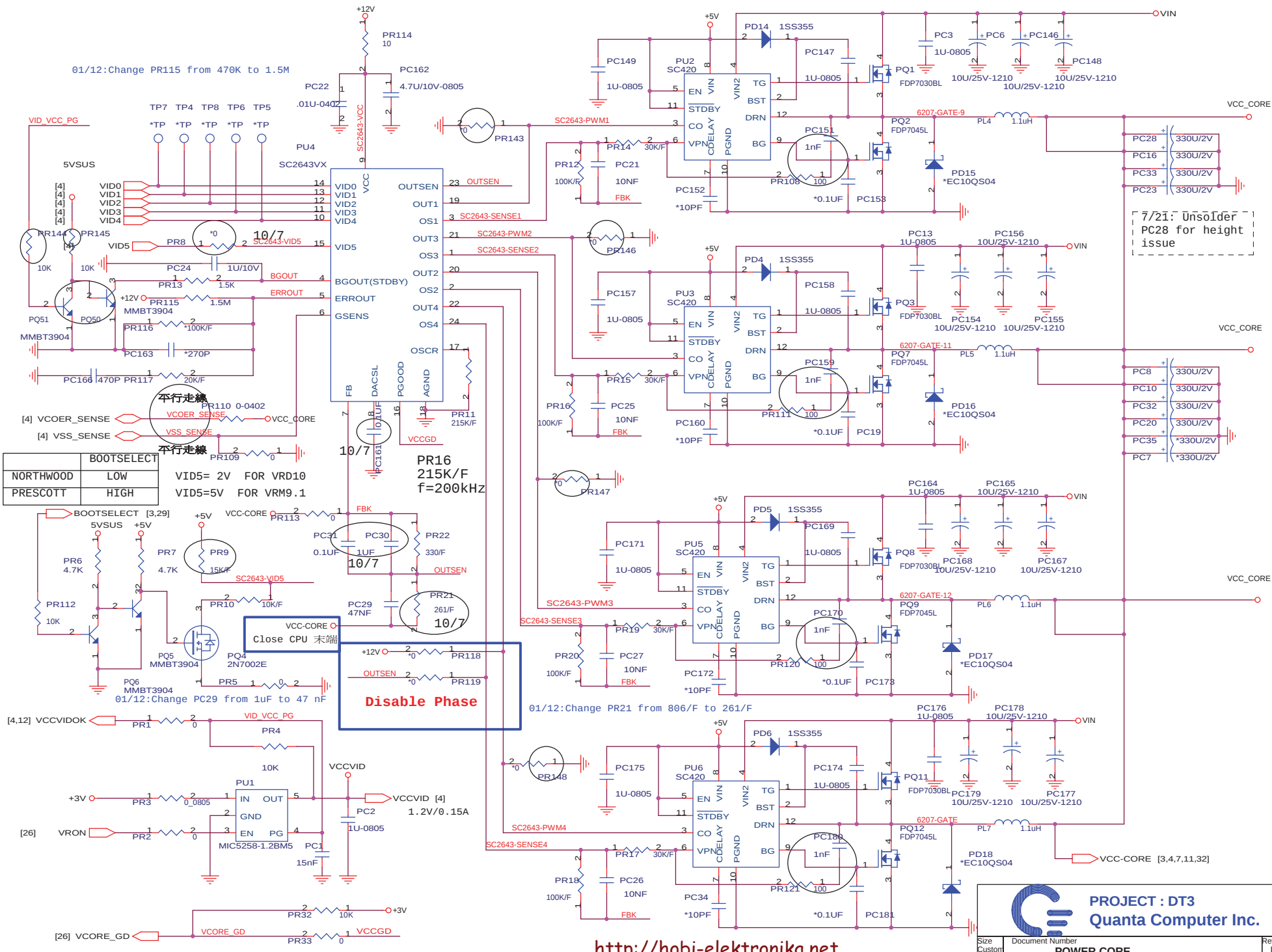






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01/12:Change PR115 from 470K to 1.5M



7/21: Unsolder PC28 for height issue

BOOTSELECT	
NORTHWOOD	LOW
PRESCOTT	HIGH

VID5= 2V FOR VRD10

VID5=5V FOR VRM9.1

PR16 215K/F f=200kHz

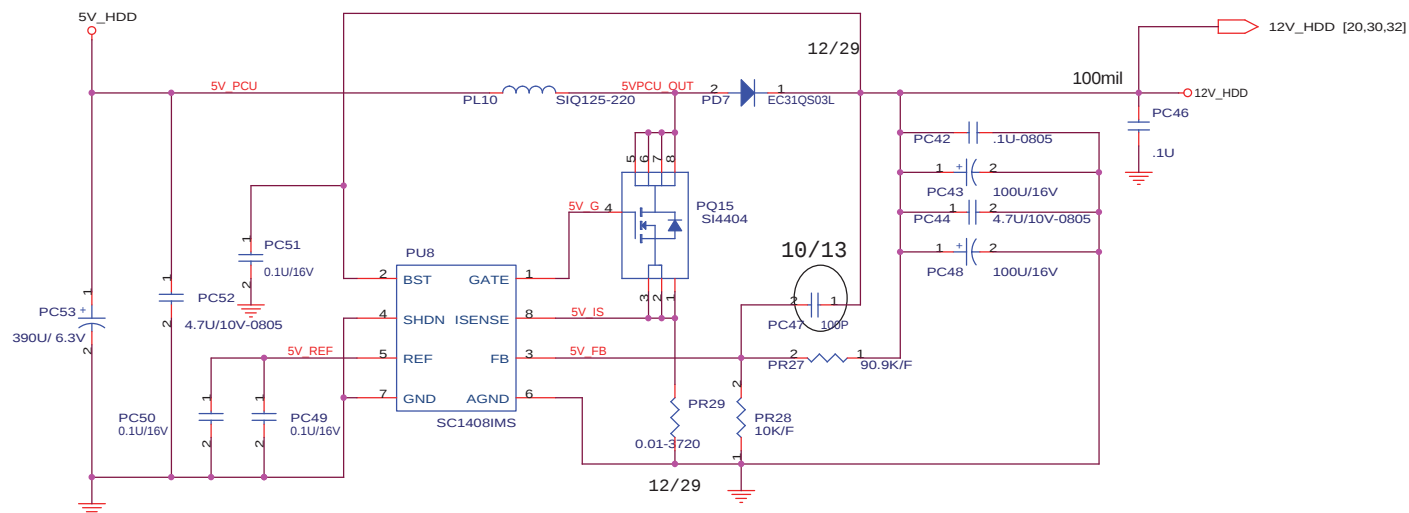
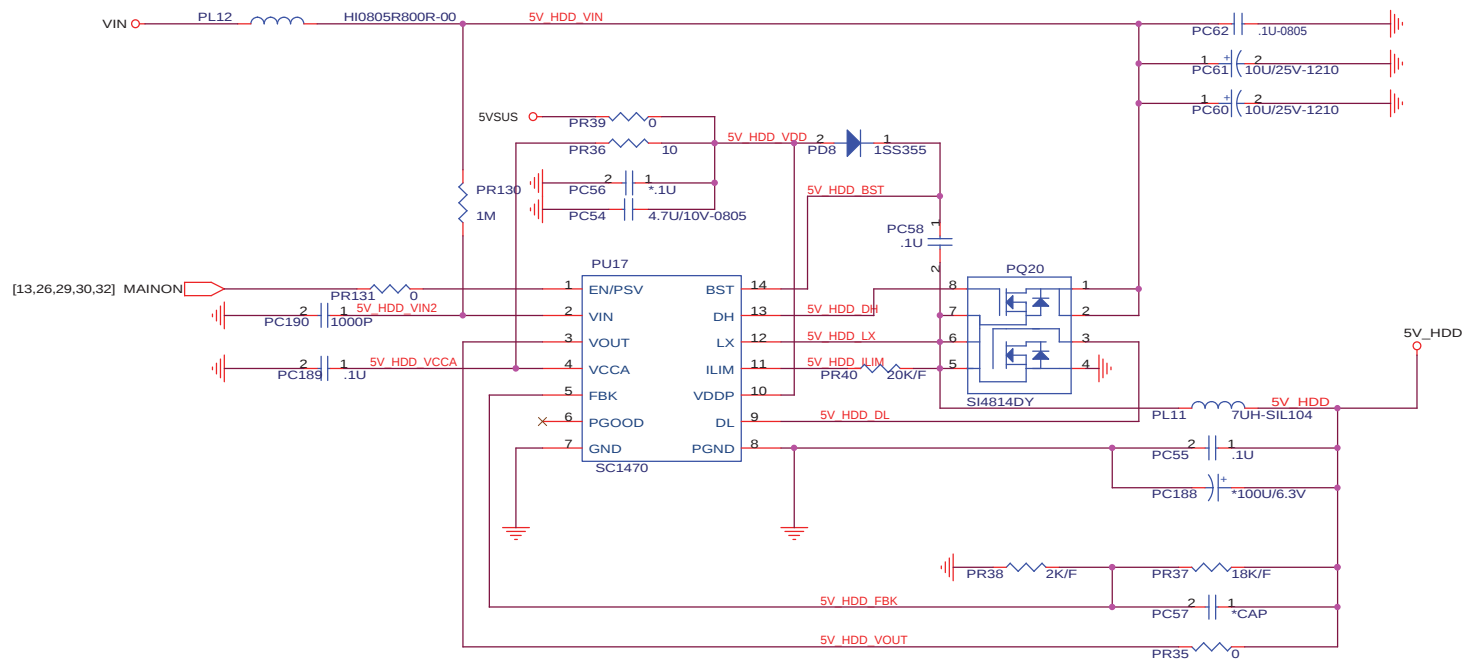
Disable Phase

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PROJECT : DT3
Quanta Computer Inc.

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Custom	POWER CORE	E
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08/27 PC58 CHANGE COMPONENT TO
390U/6.3V

08/27 PR60 CHANGE FROM 10mohm TO 10mhm

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