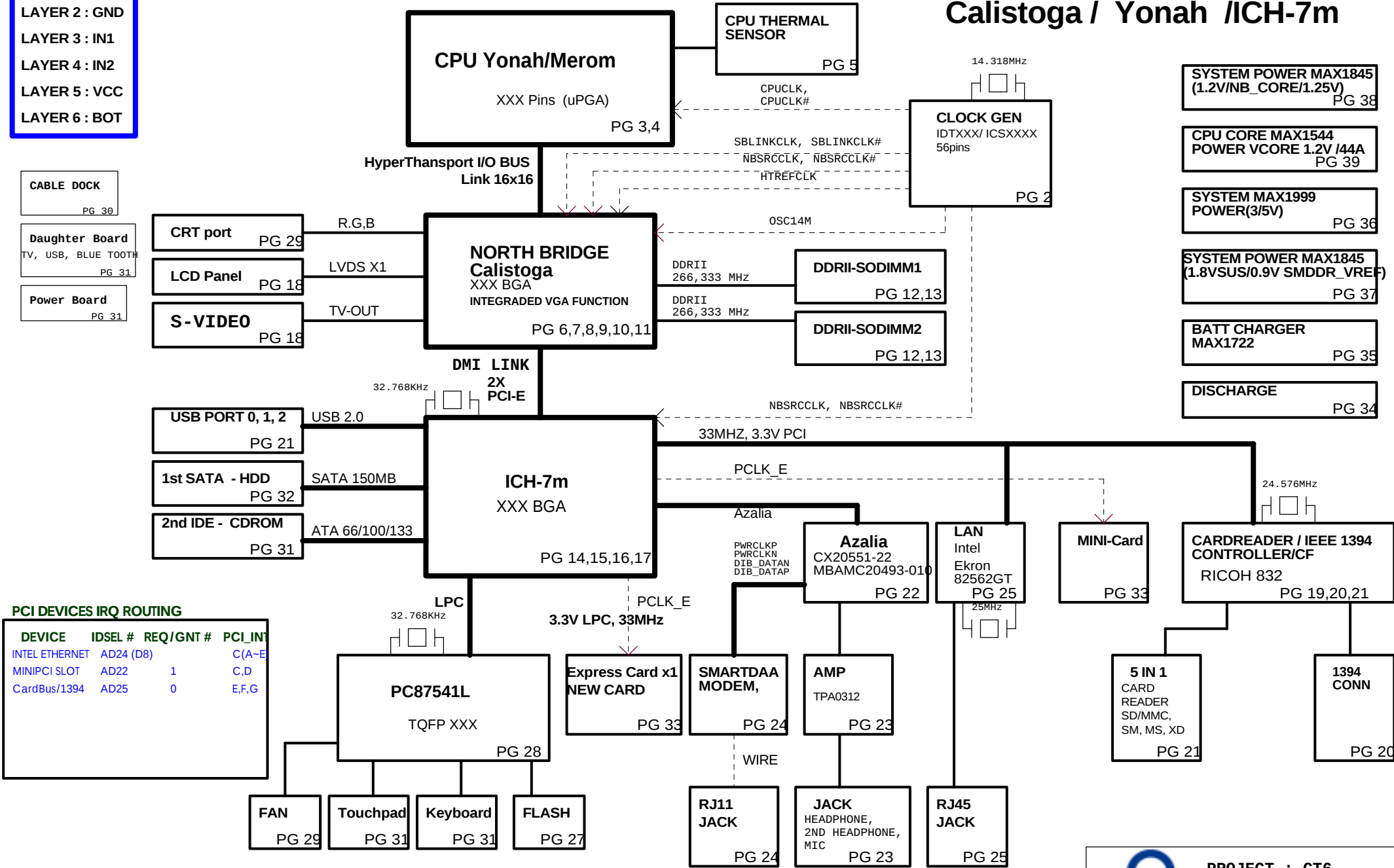


PCB STACK UP

- LAYER 1 : TOP
- LAYER 2 : GND
- LAYER 3 : IN1
- LAYER 4 : IN2
- LAYER 5 : VCC
- LAYER 6 : BOT

CT6 BLOCK DIAGRAM

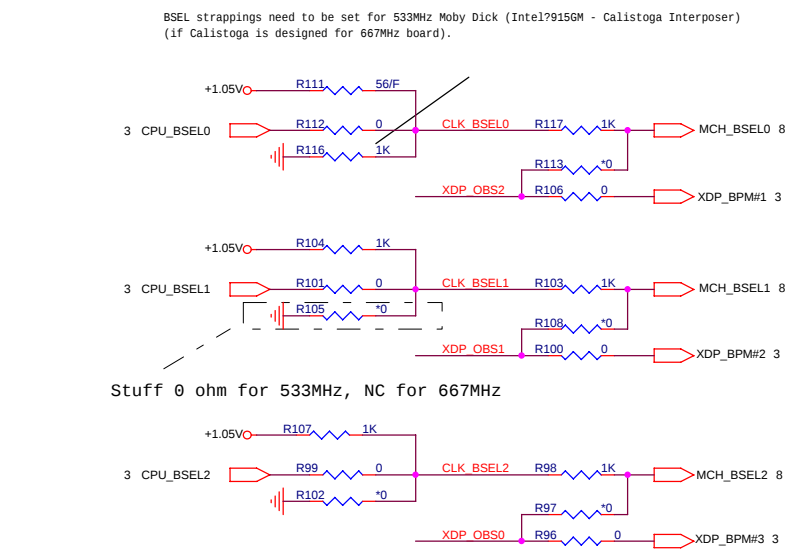
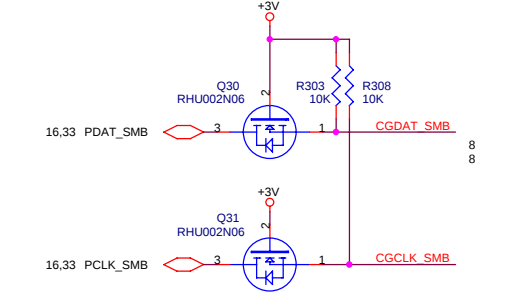
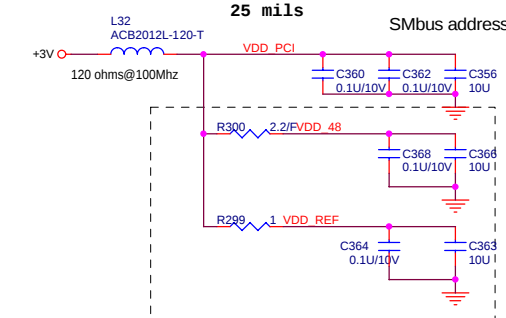
Calistoga / Yonah /ICH-7m



| FSC | FSB | FSA | CPU | SRC | PCI |
|-----|-----|-----|-----|-----|-----|
| 1   | 0   | 1   | 100 | 100 | 83  |
| 0   | 0   | 1   | 133 | 100 | 83  |
| 0   | 1   | 1   | 166 | 100 | 83  |
| 0   | 1   | 0   | 200 | 100 | 83  |
| 0   | 0   | 0   | 266 | 100 | 83  |
| 1   | 0   | 0   | 333 | 100 | 83  |
| 1   | 1   | 0   | 400 | 100 | 83  |
| 1   | 1   | 1   | 200 | 100 | 83  |

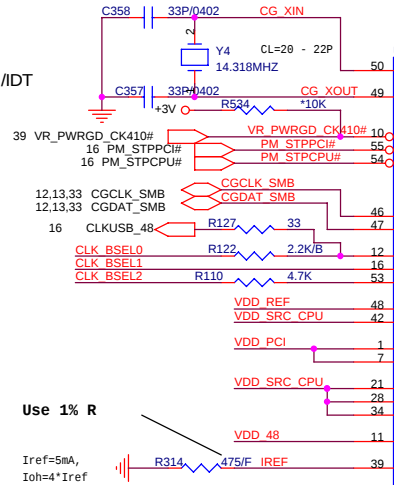
Default

5,9,13,14,15,16,17,18,22,23,26,28,29,30,31,32,33,34,36,39,41,42 +3V  
14,17,38,42 +1.05V



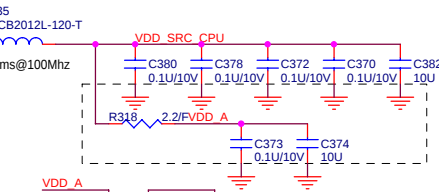
Stuff 0 ohm for 533MHz, NC for 667MHz

Close to IC <500mils

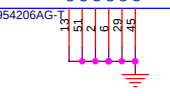


Use 1% R

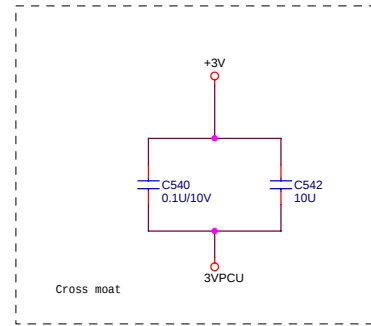
Iref=5mA, Ioh=4\*Iref



CK-410M



IDT CV140 /56pins  
ICS954206AGT /56pins

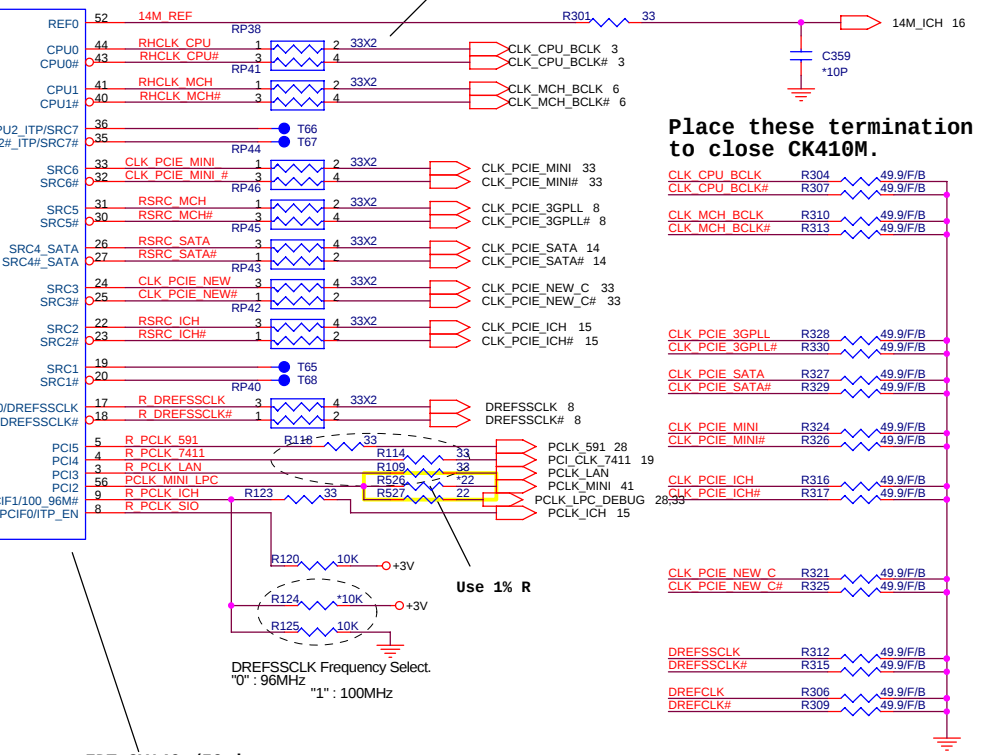


Check Intel

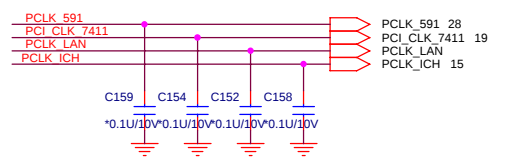
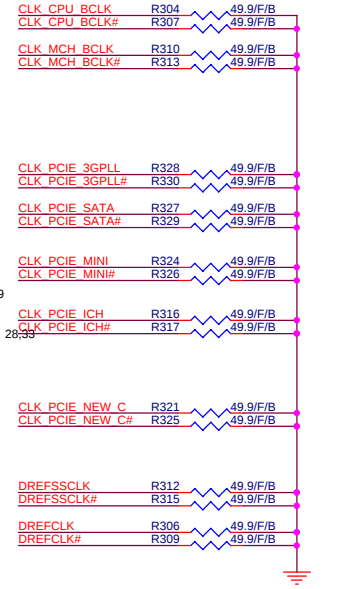
25 mils

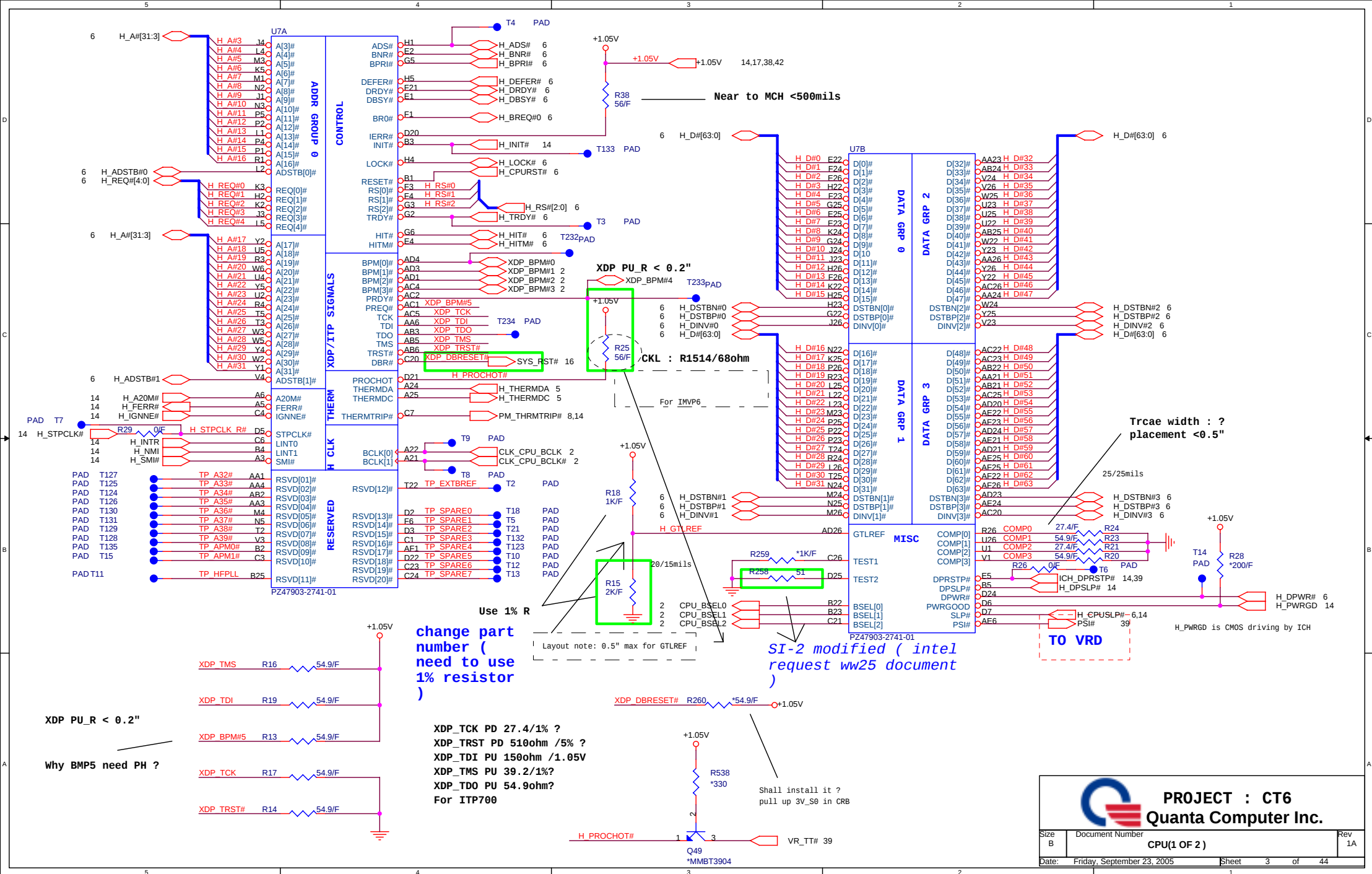
Place these termination to close CK410M.

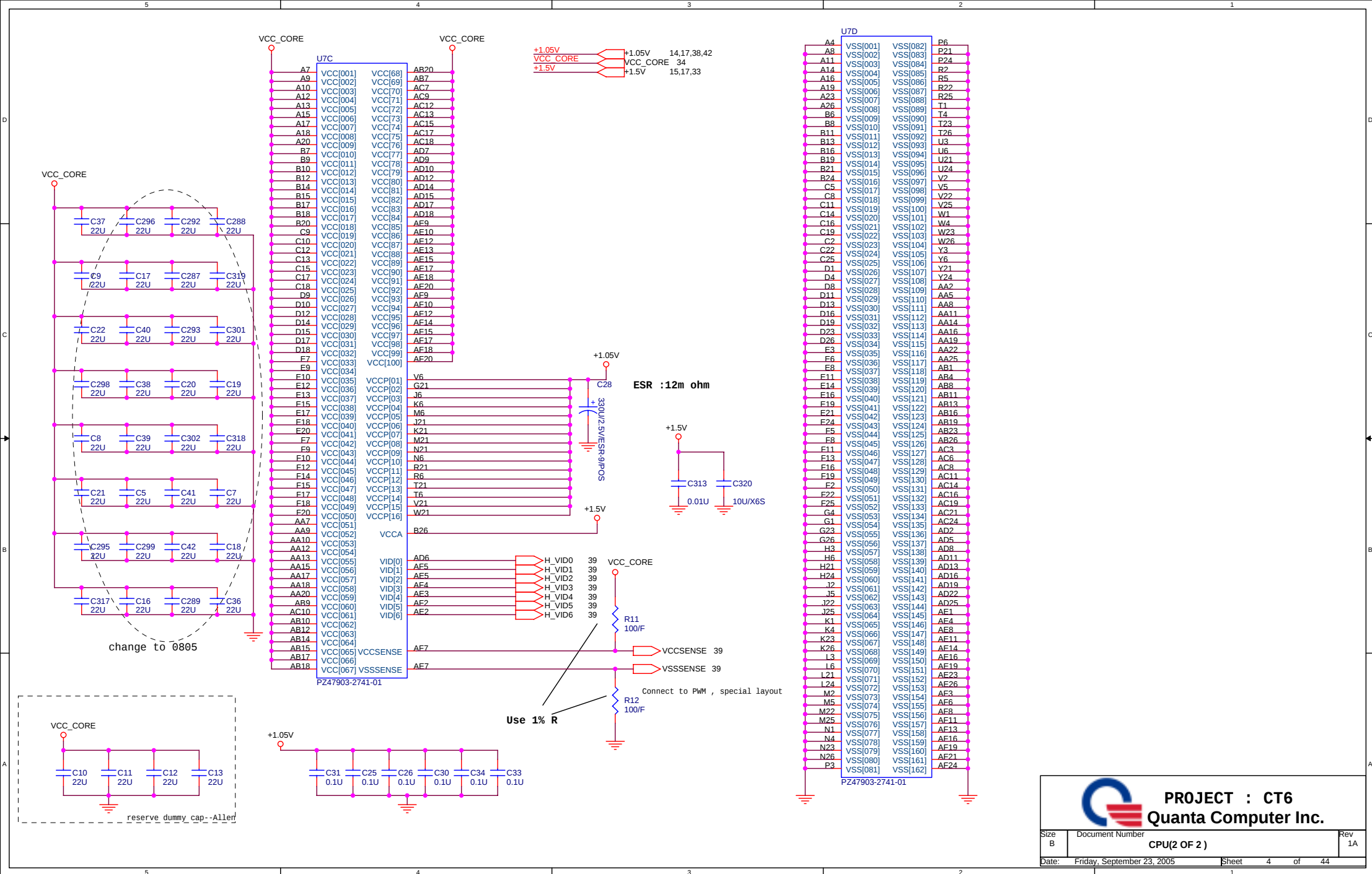
Use 33R/1%

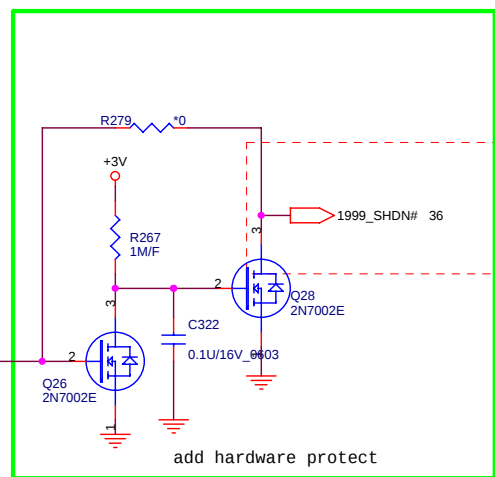


Place these termination to close CK410M.









28,35 MBDATA

Q27  
RHU002N06

+3V

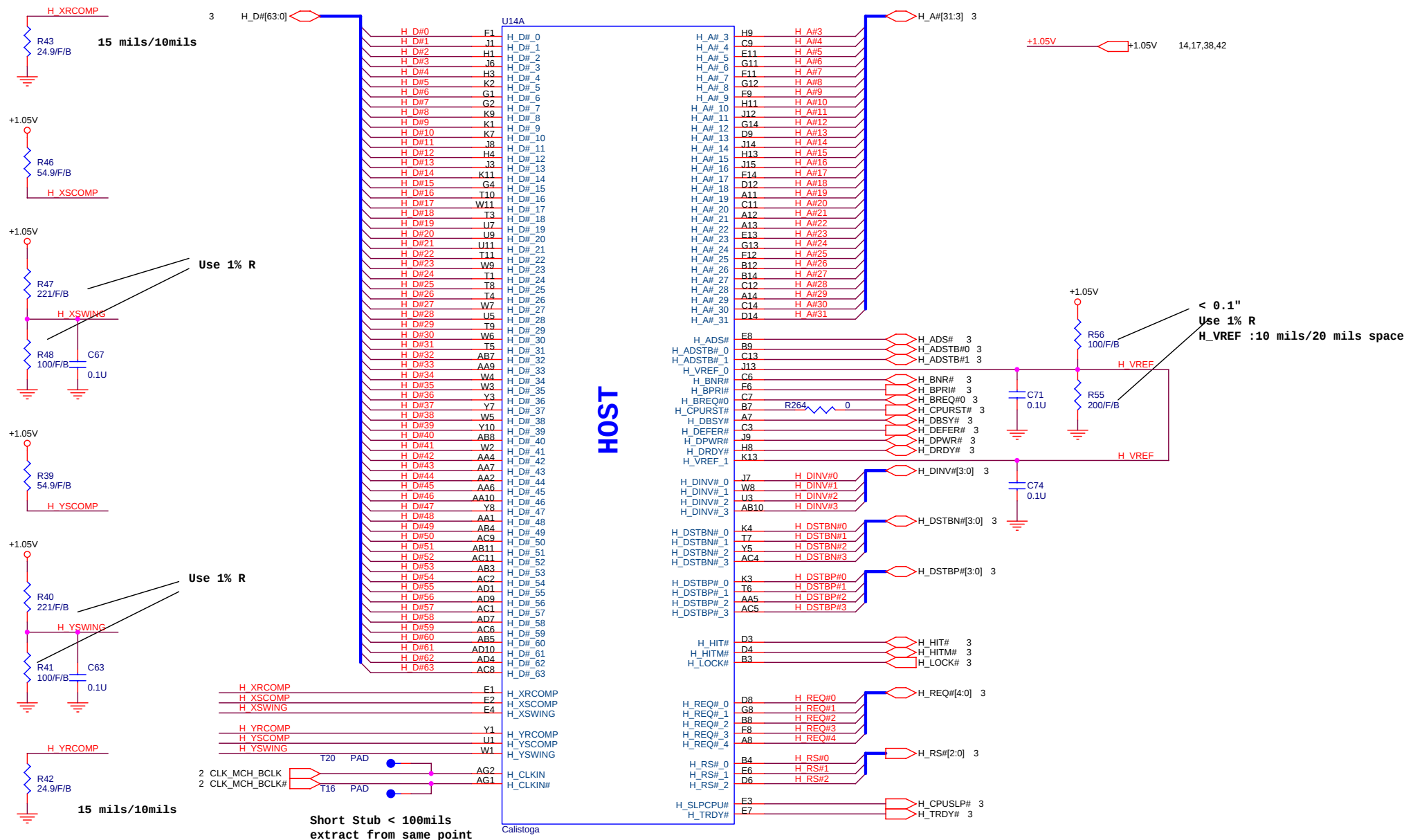
LM86 SMD

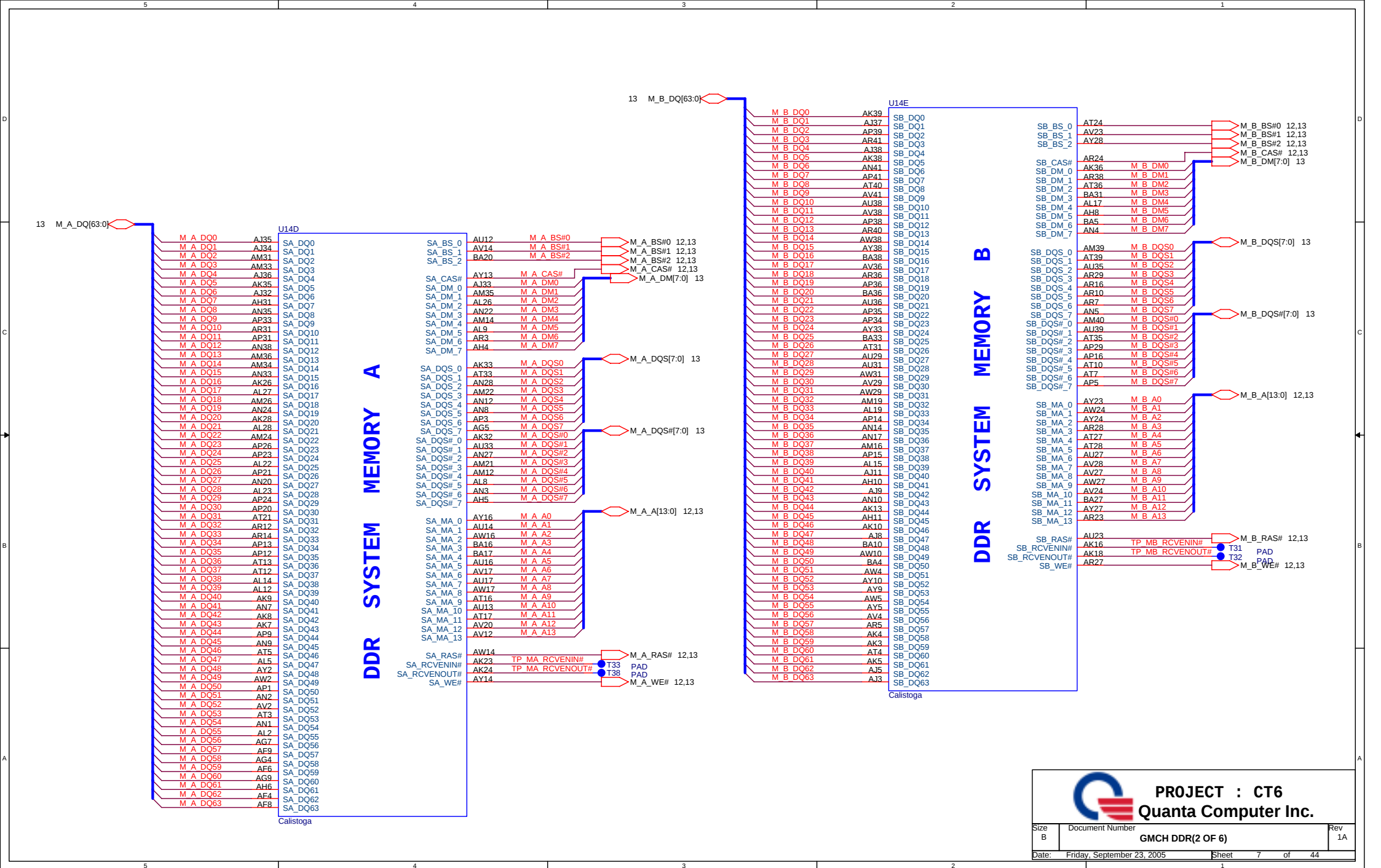
28,35 MBCLK

Q29  
RHU002N06

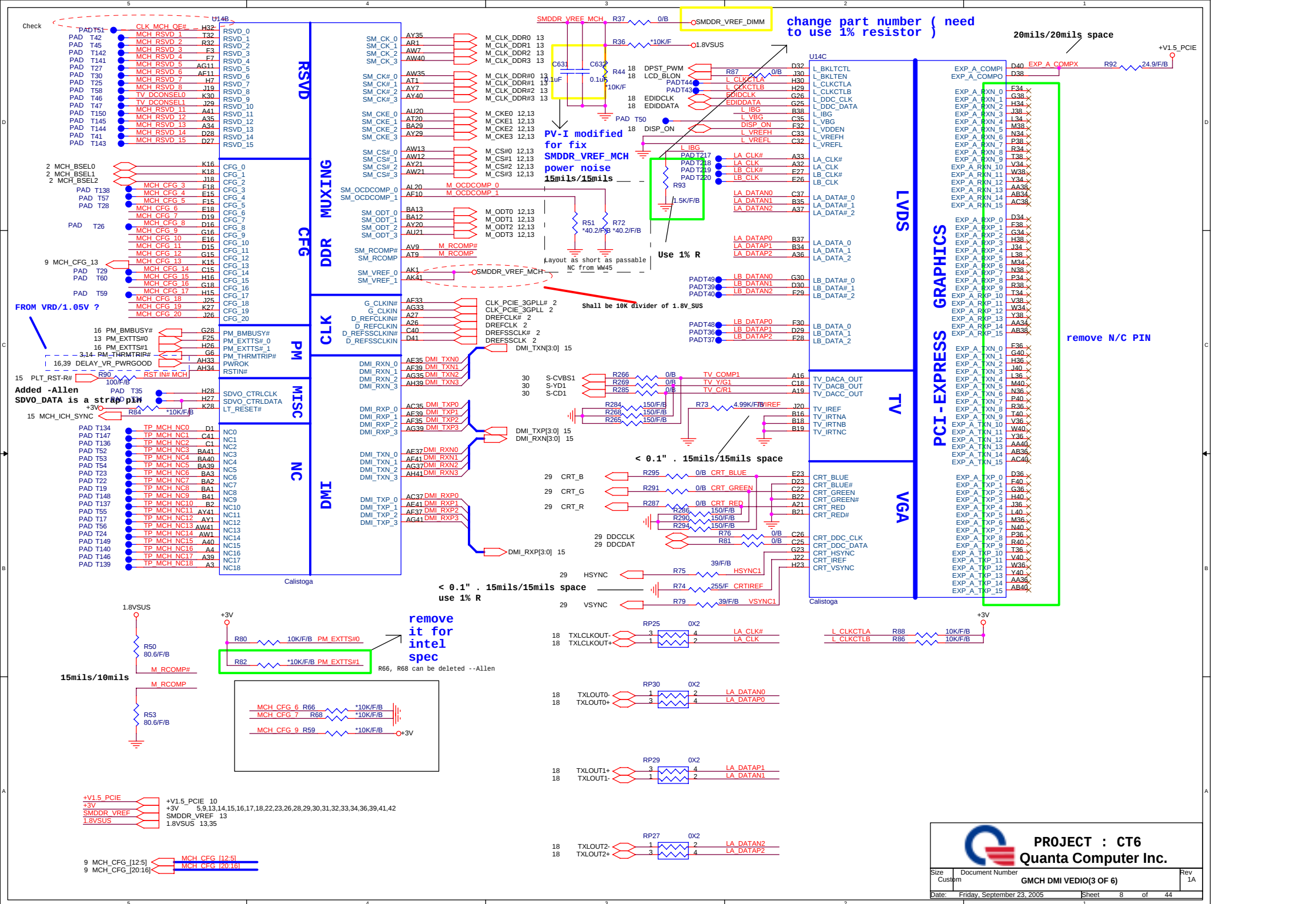
+3V

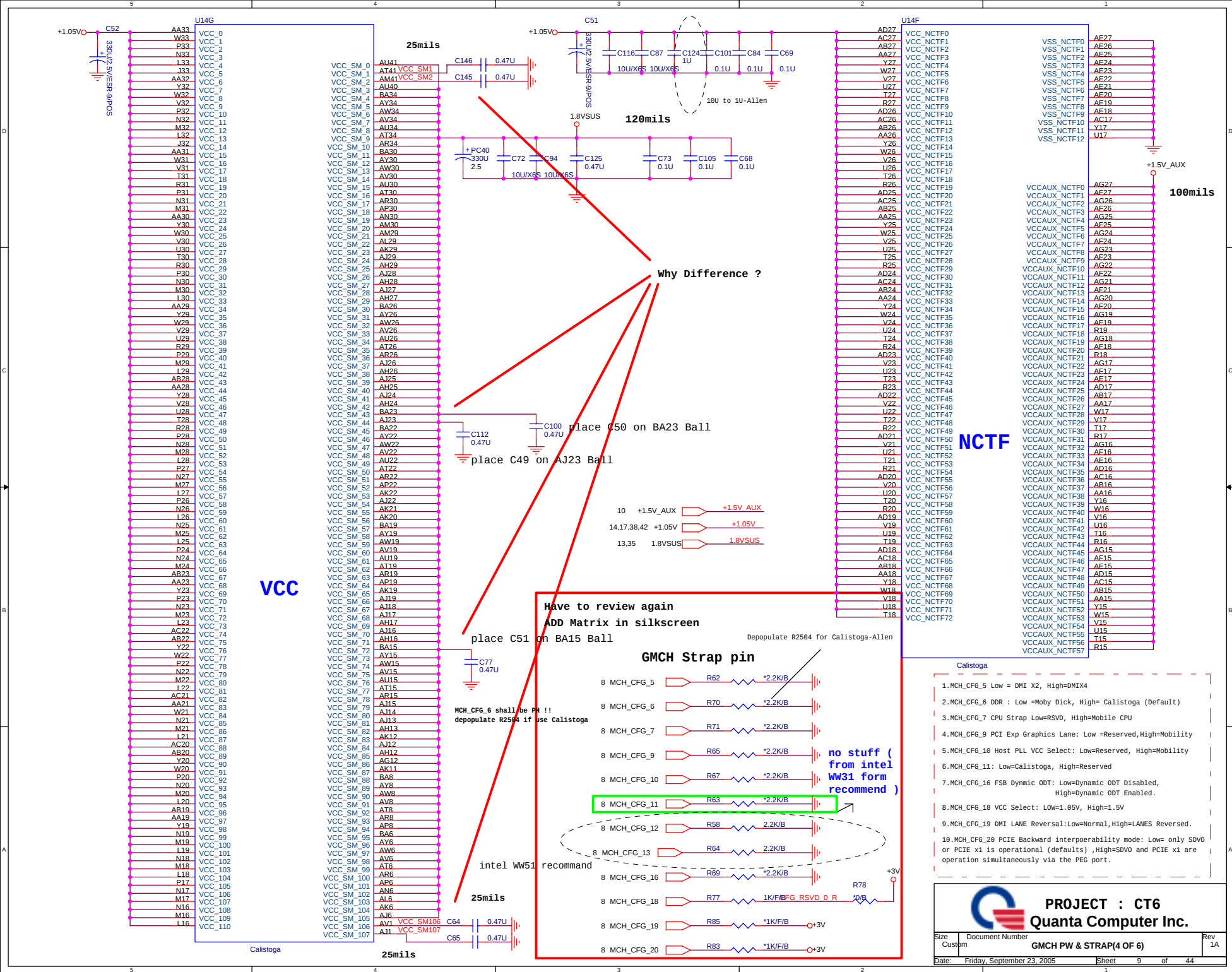
LM86 SMC

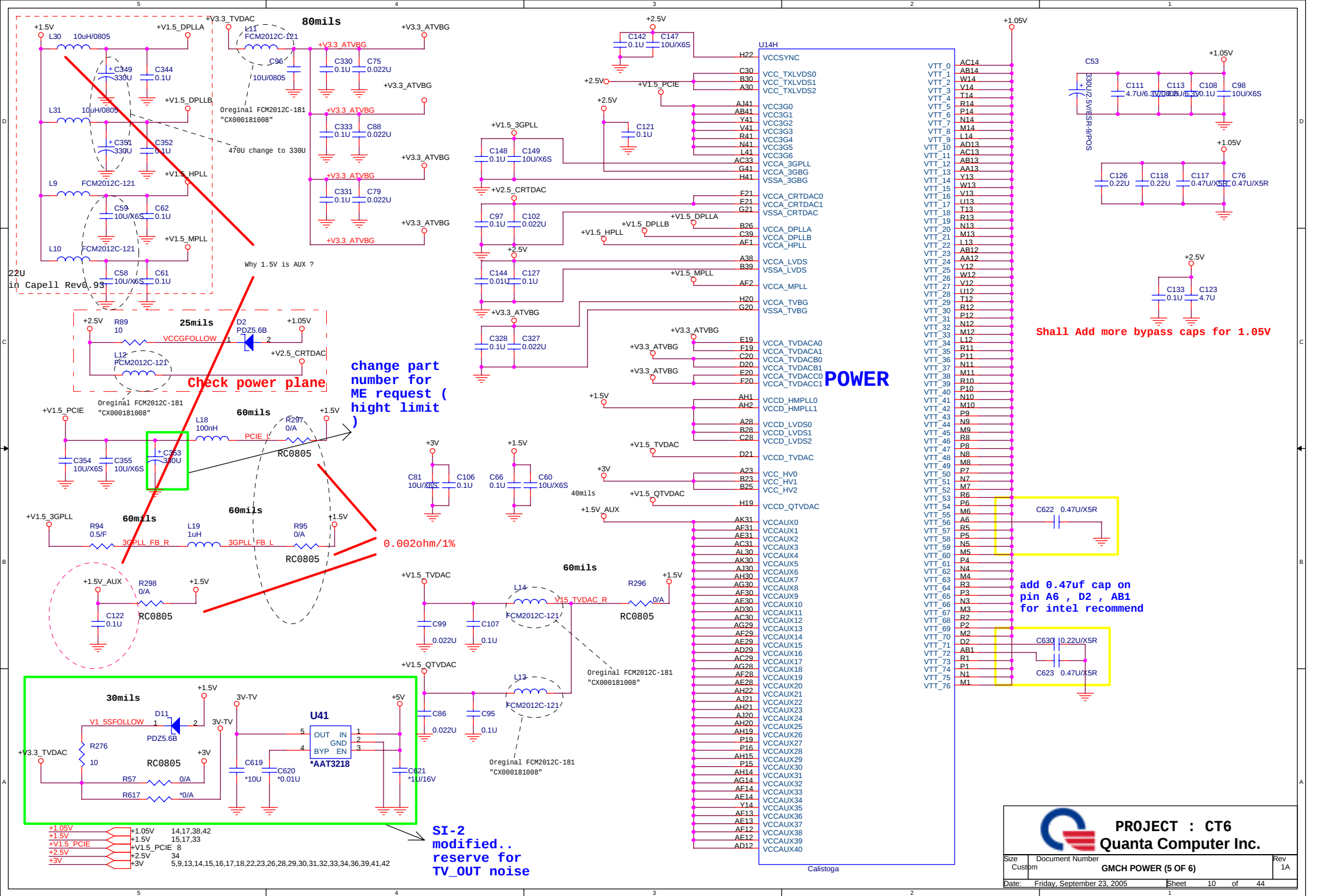


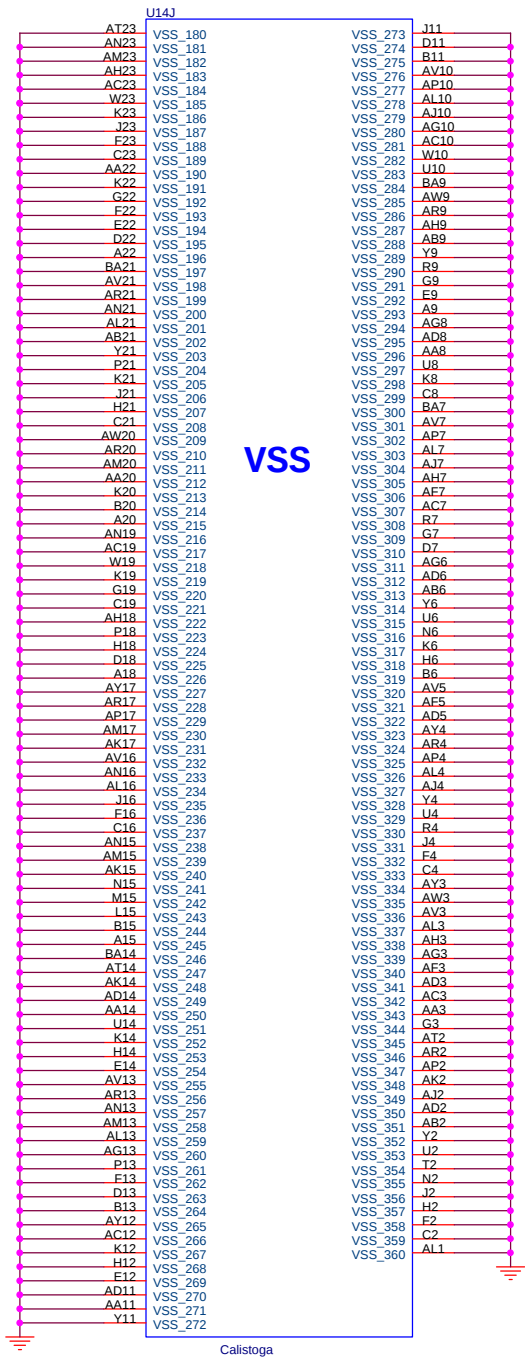
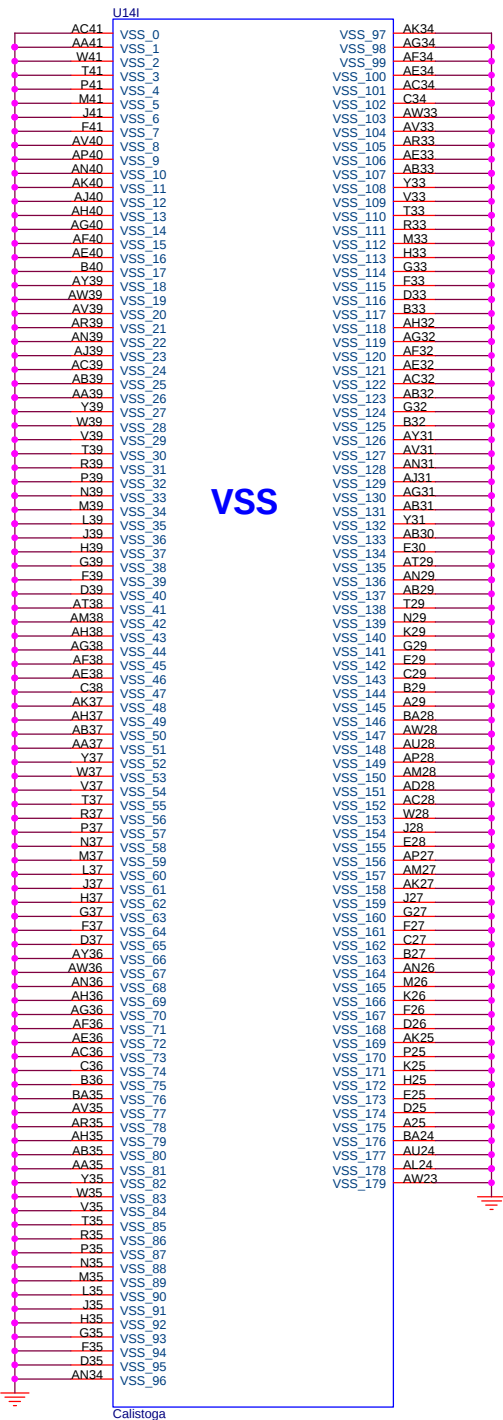


PROJECT : CT6  
Quanta Computer Inc.



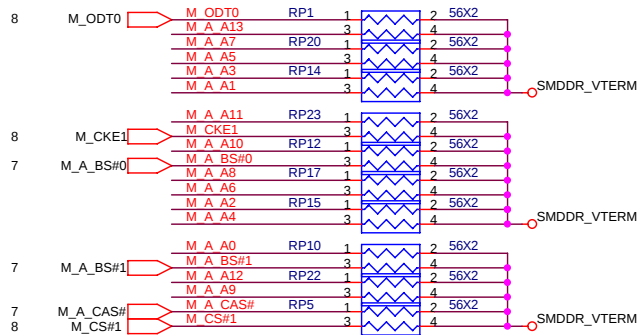
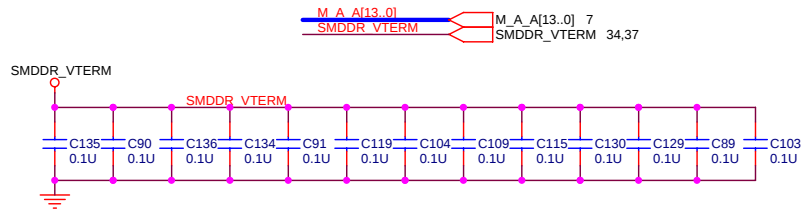




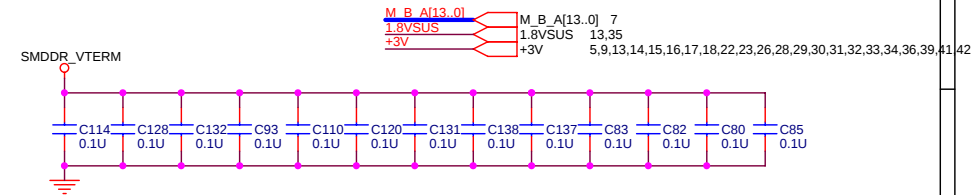


# DDRII DUAL CHANNEL A, B.

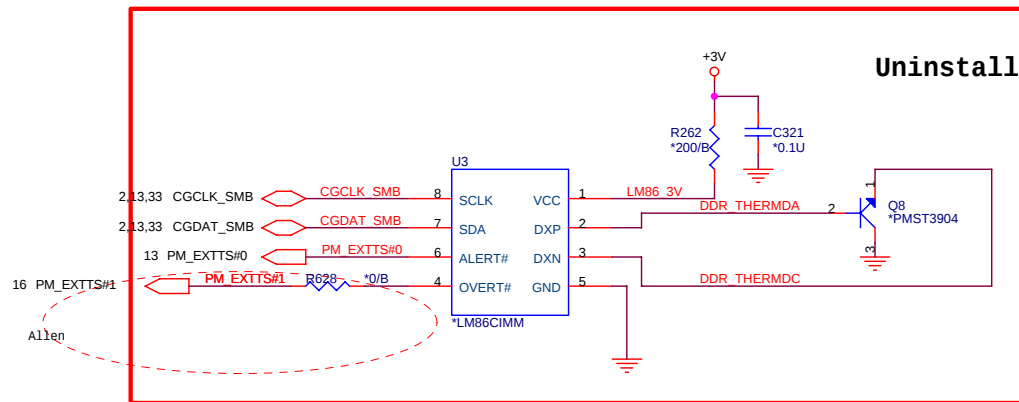
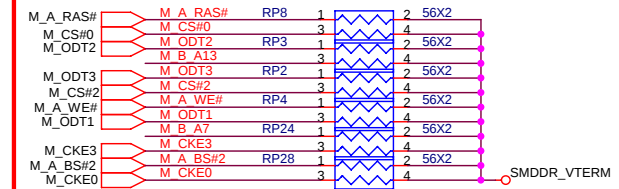
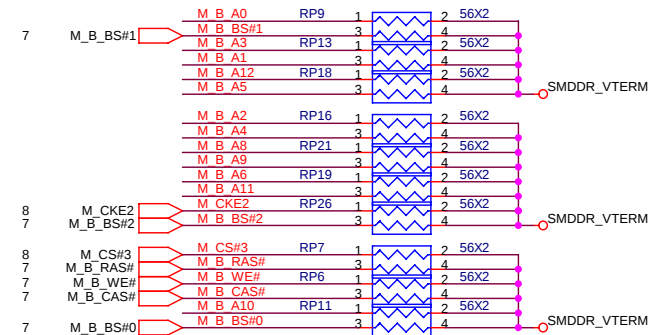
## DDRII A CHANNEL

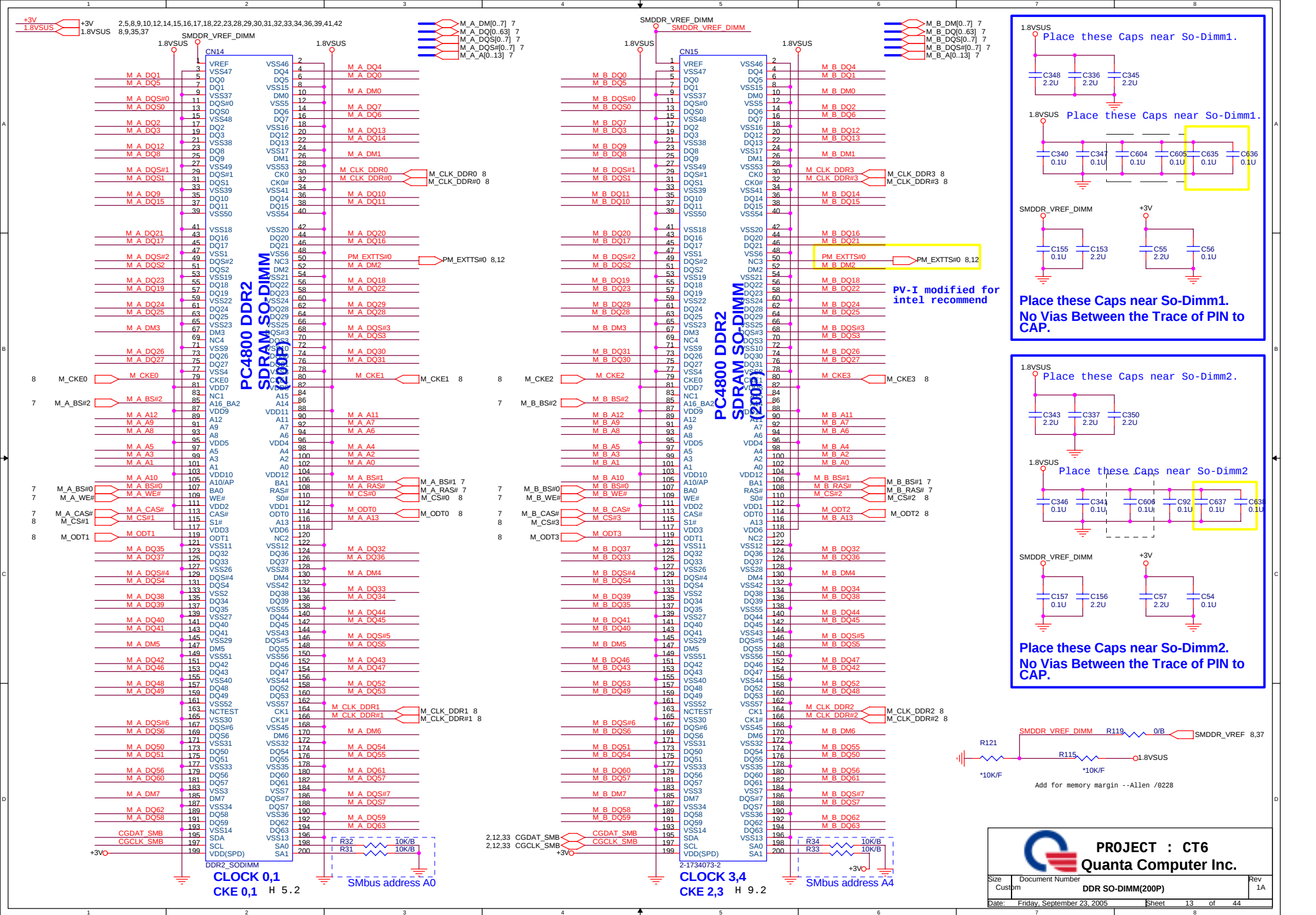


## DDRII B CHANNEL

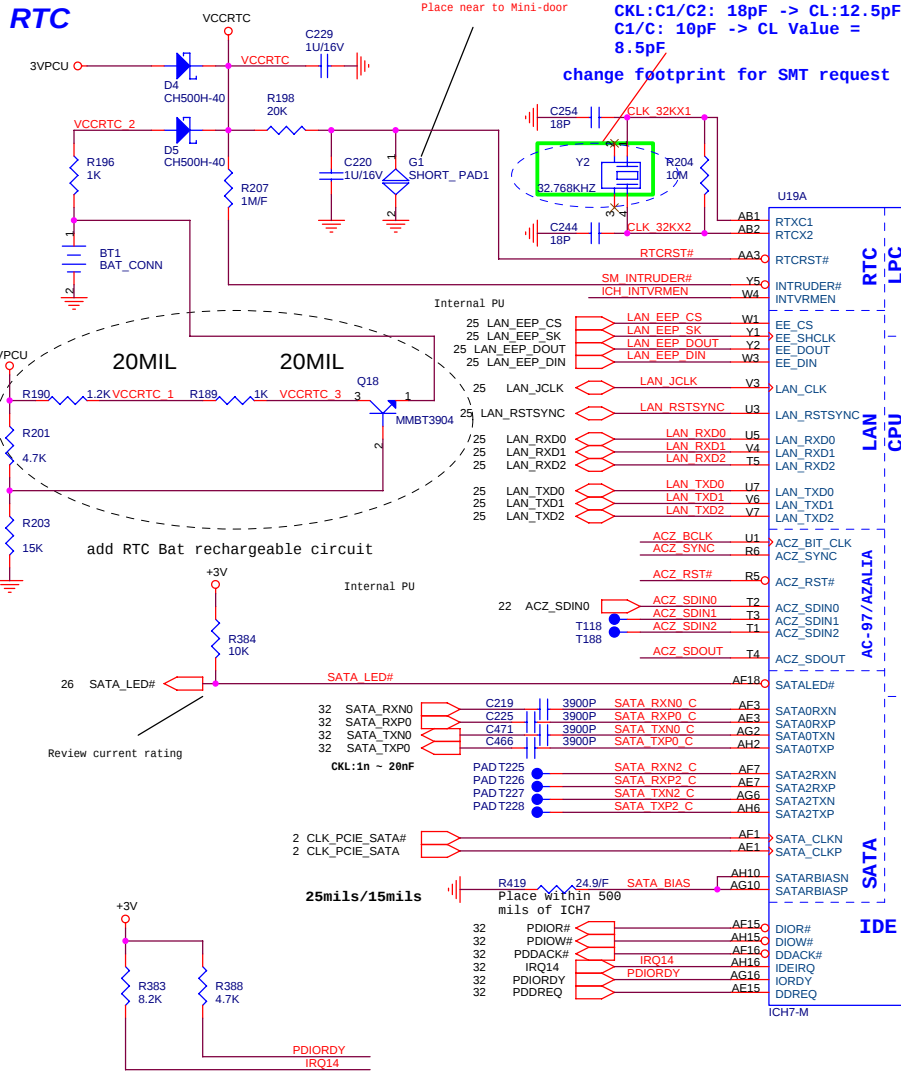


Layout note: Place one cap close to every 2 pullup resistors terminated to SMDR\_VTERM



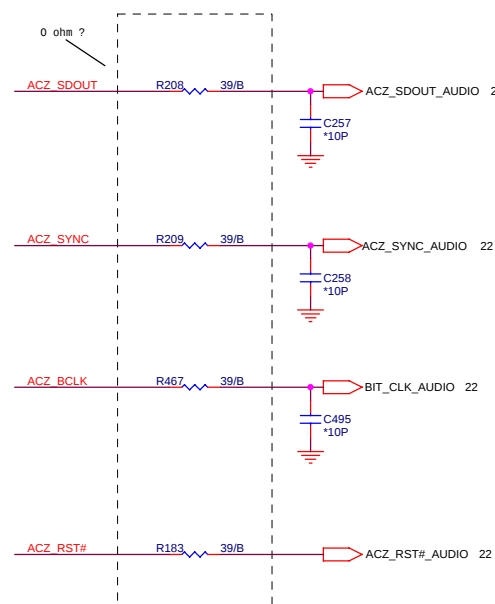
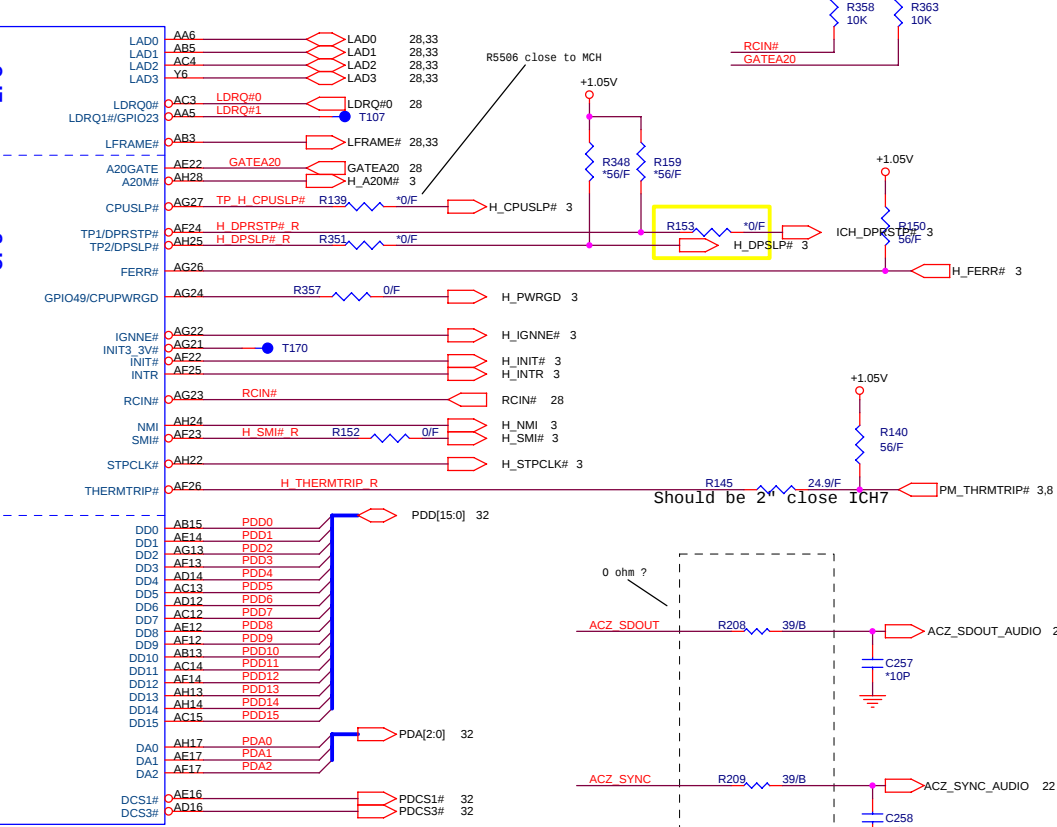
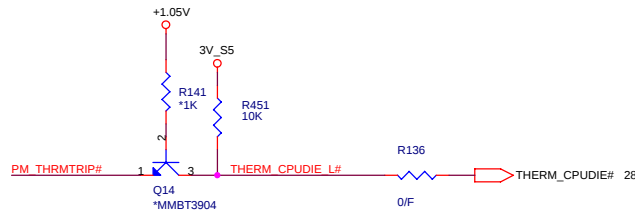
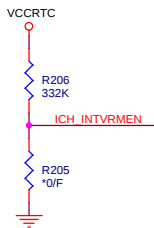


# RTC



## ICH7 internal VR enable strap

|                  | INTVRMEN |
|------------------|----------|
| Enable (default) | 1        |
| Disable          | 0        |

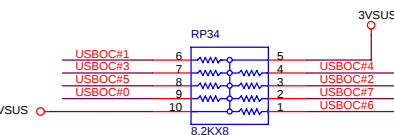
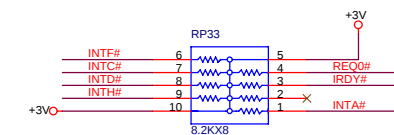
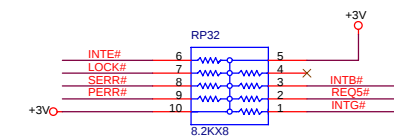
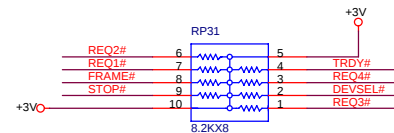
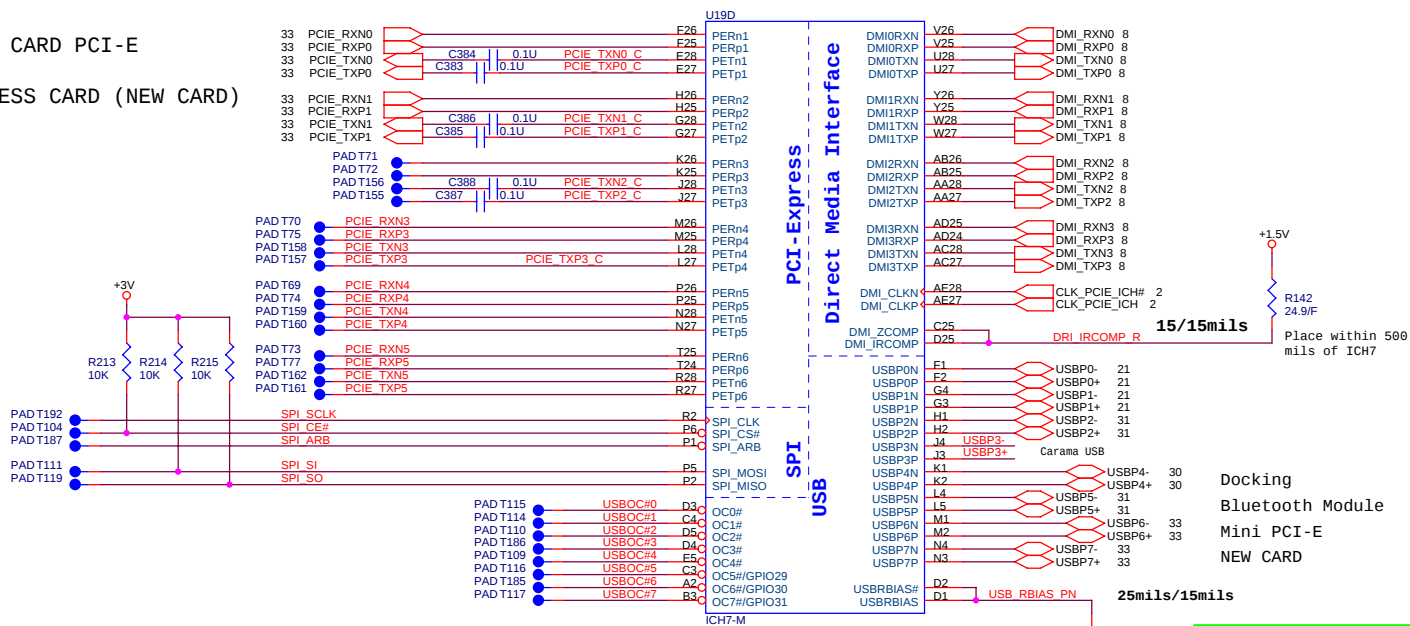


**PROJECT : CT6**  
**Quanta Computer Inc.**

|        |                            |                      |          |
|--------|----------------------------|----------------------|----------|
| Size   | Document Number            | ICH7-M HOST (1 OF 4) | Rev      |
| Custom |                            |                      | 1A       |
| Date:  | Friday, September 23, 2005 | Sheet                | 14 of 44 |

# MINI CARD PCI-E

## EXPRESS CARD (NEW CARD)

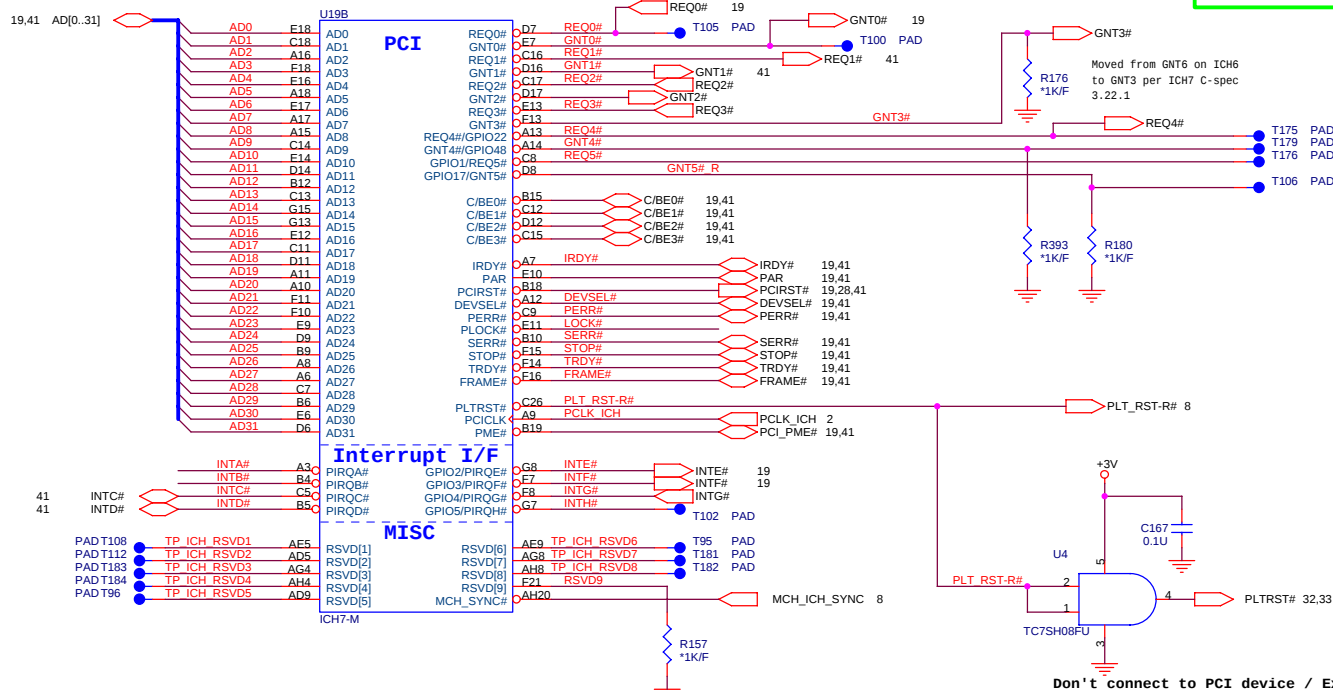


CKL use 10Kohm

### ICH7 Boot BIOS select

|                  | STRAP | GNT5#<br>R1 | GNT4#<br>R2 |
|------------------|-------|-------------|-------------|
| LPC<br>(default) | 11    | UNSTUFF     | UNSTUFF     |
| PCI              | 10    | UNSTUFF     | STUFF       |
| SPI              | 01    | STUFF       | UNSTUFF     |

| PCI DEVICE  | IDSEL# | REQ# / GNT#   | Interrupts |
|-------------|--------|---------------|------------|
| PCI7411     | AD25   | REQ3# / GNT3# | INT B/C/G# |
| Relteck Lan | AD16   | REQ2# / GNT2# | INT C#     |



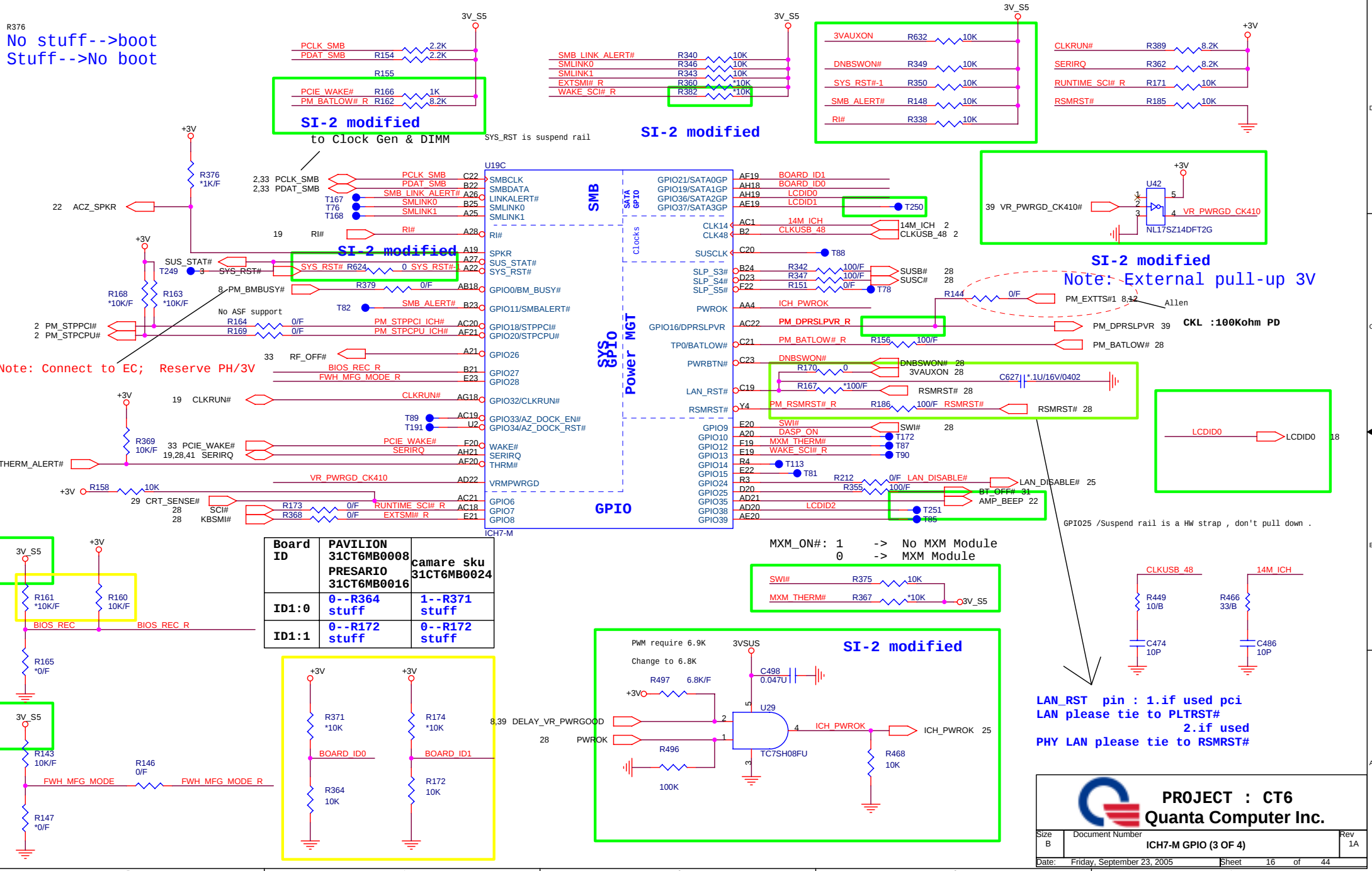
Don't connect to PCI device / Express card

**PROJECT : CT6**  
**Quanta Computer Inc.**

|        |                            |                |
|--------|----------------------------|----------------|
| Size   | Document Number            | Rev            |
| Custom | ICH7-M PCI E (2 OF 4)      | 1A             |
| Date:  | Friday, September 23, 2005 | Sheet 15 of 44 |

R376

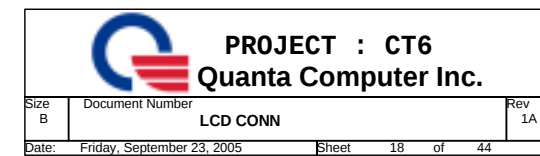
No stuff-->boot  
Stuff-->No boot

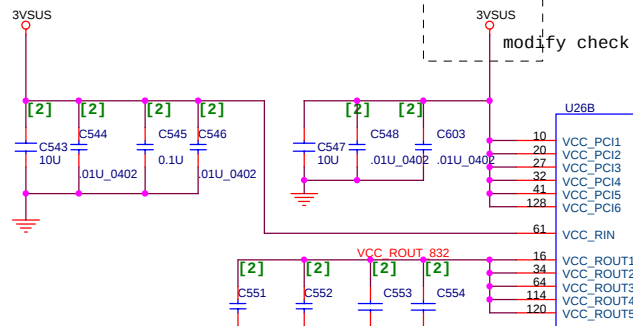


```
LAN_RST pin : 1.if used pci
LAN please tie to PLTRST#
                2.if used
PHY LAN please tie to RSMRST#
```

|                                                                                                                                                                                      |                                         |           |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|-----------|--|
|  <div style="text-align: center;"> <b>PROJECT : CT6</b><br/> <b>Quanta Computer Inc.</b> </div> |                                         |           |  |
| Size<br>B                                                                                                                                                                            | Document Number<br>ICH7-M GPIO (3 OF 4) | Rev<br>1A |  |
| Date: Friday, September 23, 2005                                                                                                                                                     | Sheet 16 of 44                          |           |  |



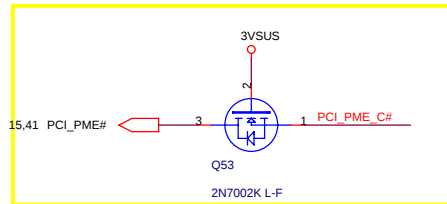




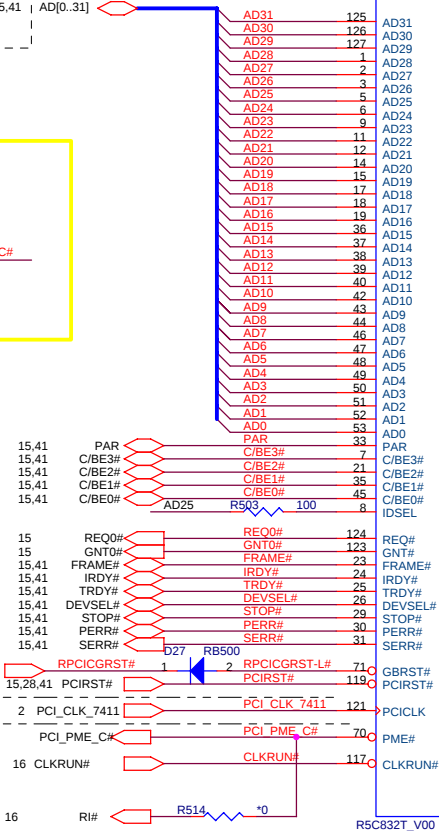
#### PCI Bus

#### PowerOnReset for VccCore

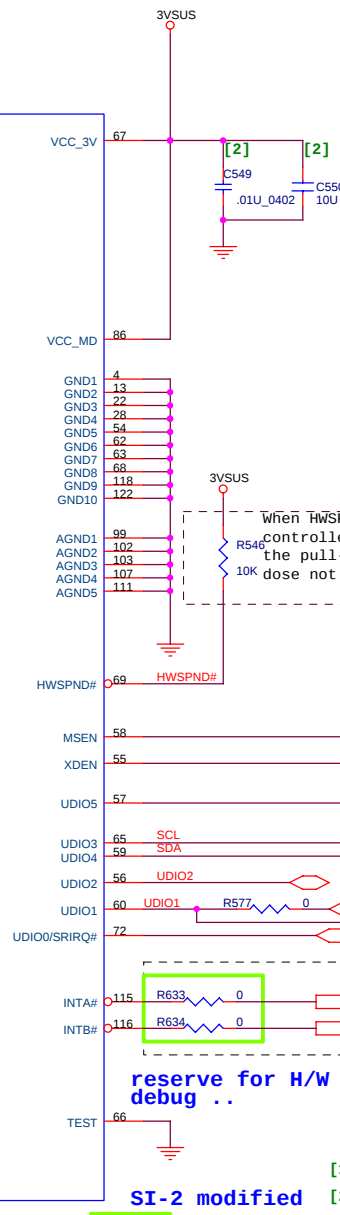
When GRESET# is controlled by system, the pull-up resistor(R3) and capacitor(C13) do not need to apply.



PV-1 modified to fix S5 WAKE-UP-LAN ISSUE ( CH7M has leakage power to card reader )



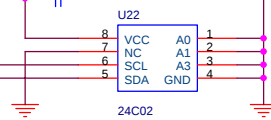
PCI / OTHER



When HwSPND# is controlled by system, the pull-up resistor(R2) dose not need to apply.

\* NOT Use EEPROM : R545 : installed  
\* Use EEPROM : R547, U22, C555 : NOT installed  
R545 : NOT installed

#### Serial EEPROM



reserve for H/W debug ..

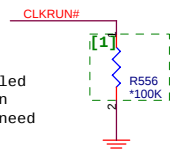
SI-2 modified

fix card reader LED always on when system into the S3

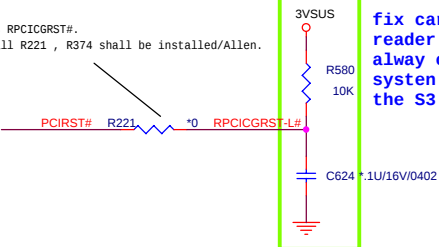
- [1] NOT INSTALLED
- [2] AS CLOSE AS POSSIBLE TO DEVICE TERMINALS
- [3] CLK LINE : SHIELDED BY GND. (RECOMMENDED)

#### CoreLogic CLOCKRUN#

When CLKRUN# is controlled by system, the pull-down resistor(R14) dose not need to apply.



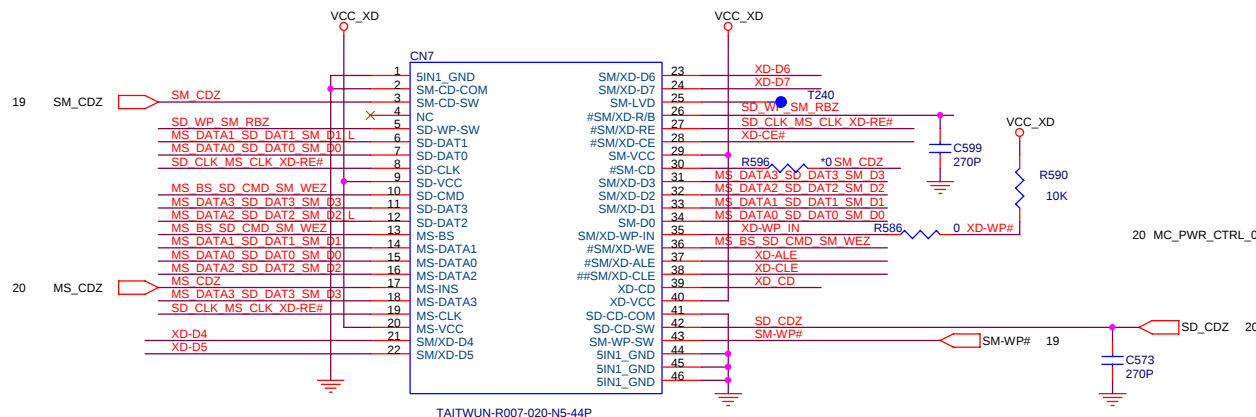
Check EC's RPCICGRST#. If uninstalls R221, R374 shall be installed/Allen.



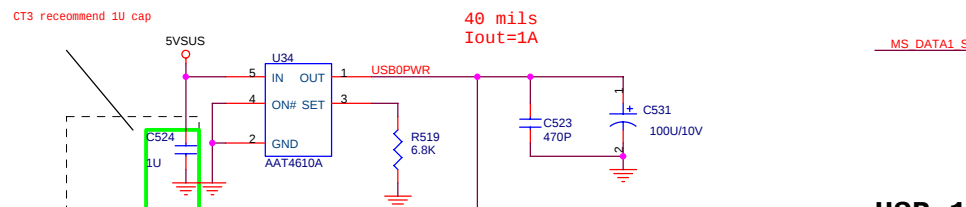
PROJECT : CT6  
Quanta Computer Inc.



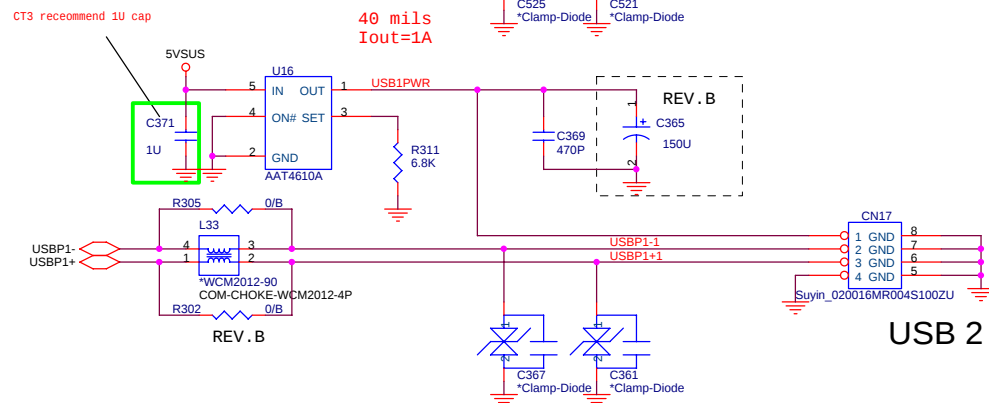
DO NOT INSERT SD/MMC, MEMORYSTICK AND XD SIMULTANEOUSLY.



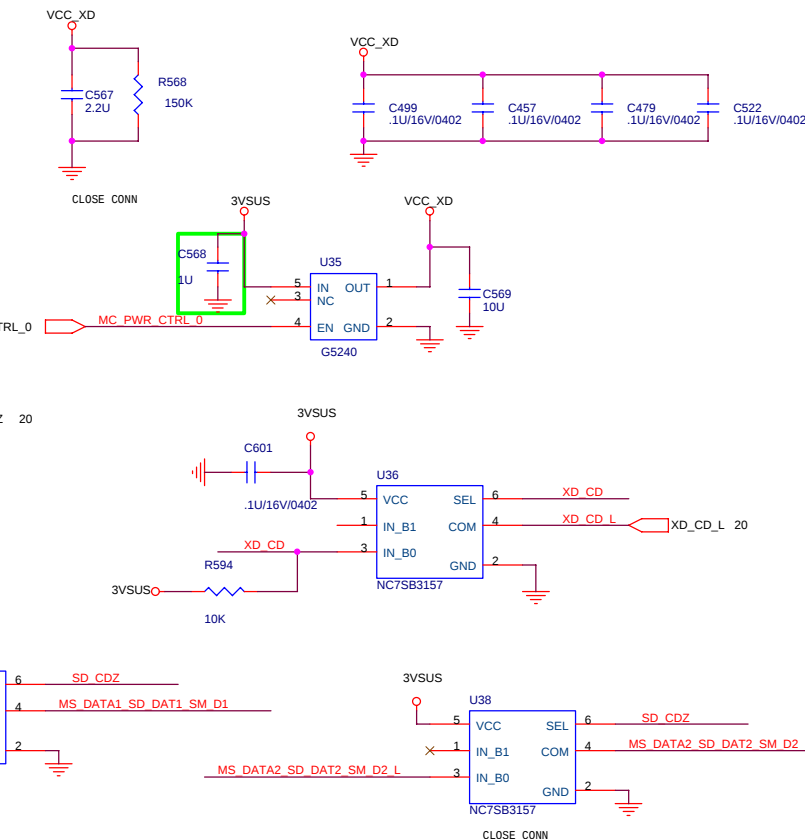
## 5 IN1 CARD READER



## USB 1



## USB 2

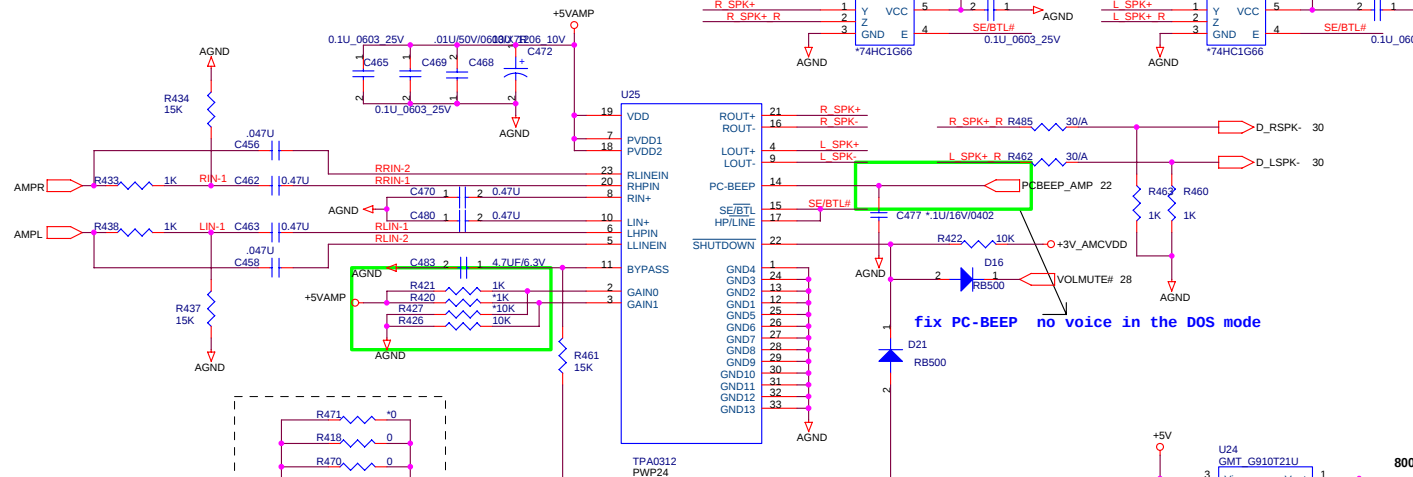


|    |        |        |      |    |                        |
|----|--------|--------|------|----|------------------------|
| 20 | MDIO03 | MDIO03 | R587 | 56 | SD WP SM RBZ           |
| 20 | MDIO17 | MDIO17 | R200 | 56 | XD-D7                  |
| 20 | MDIO16 | MDIO16 | R202 | 56 | XD-D6                  |
| 20 | MDIO15 | MDIO15 | R210 | 56 | XD-D5                  |
| 20 | MDIO14 | MDIO14 | R216 | 56 | XD-D4                  |
| 20 | MDIO13 | MDIO13 | R191 | 56 | MS DATA3 SD DAT3 SM D3 |
| 20 | MDIO12 | MDIO12 | R187 | 56 | MS DATA2 SD DAT2 SM D2 |
| 20 | MDIO11 | MDIO11 | R184 | 56 | MS DATA1 SD DAT1 SM D1 |
| 20 | MDIO10 | MDIO10 | R182 | 56 | MS DATA0 SD DAT0 SM D0 |
| 20 | MDIO08 | MDIO08 | R181 | 56 | MS BS SD CMD SM WEZ    |
| 20 | MDIO05 | MDIO05 | R197 | 56 | XD-WP#                 |
| 20 | MDIO19 | MDIO19 | R563 | 56 | XD-ALE                 |
| 20 | MDIO18 | MDIO18 | R564 | 56 | XD-CLE                 |
| 20 | MDIO02 | MDIO02 | R220 | 56 | XD-CE#                 |
| 20 | MDIO09 | MDIO09 | R222 | 56 | SD CLK MS CLK XD-RE#   |

change from 0 ohm to 56 ohm ( from vendor recommend)



# AUDIO AMPLIFIER

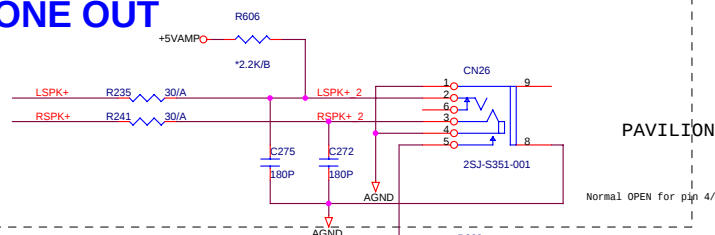


0312 Gain Table

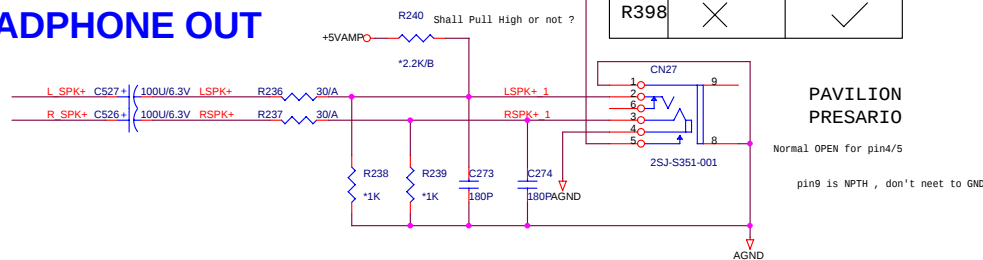
| GAIN0 | GAIN1 | SE/BTL | AV(inv) |
|-------|-------|--------|---------|
| 0     | 0     | 0      | 6 dB    |
| 0     | 1     | 0      | 10 dB   |
| 1     | 0     | 0      | 15.6 dB |
| 1     | 1     | 0      | 21.6 dB |
| X     | X     | 1      | 4.1 dB  |

Placement ?

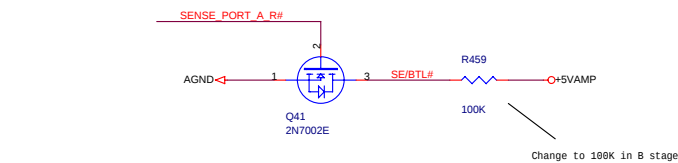
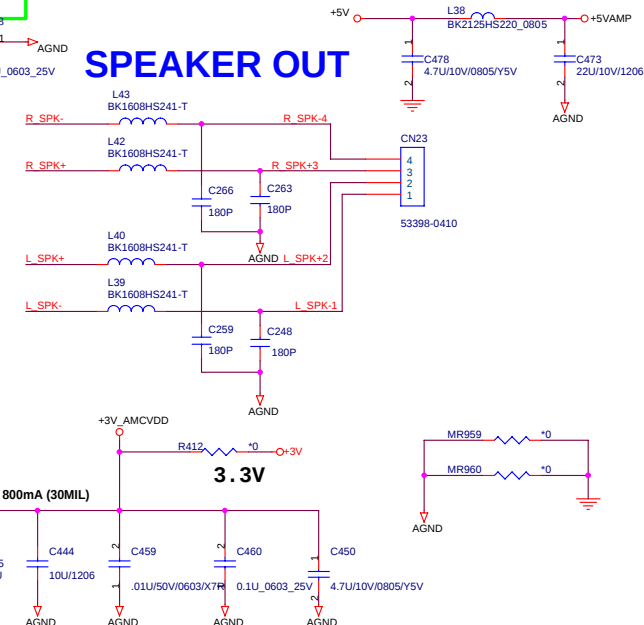
## 2ND HEADPHONE OUT



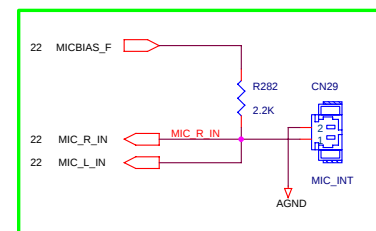
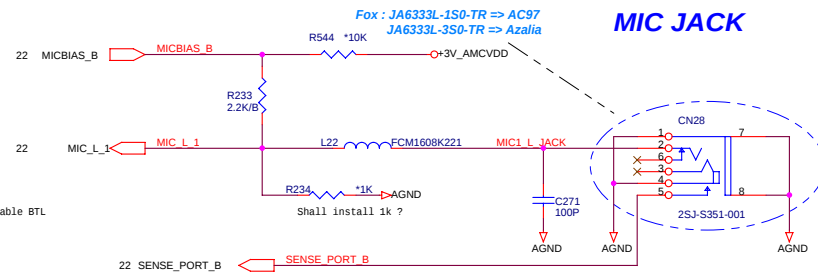
## HEADPHONE OUT



## SPEAKER OUT

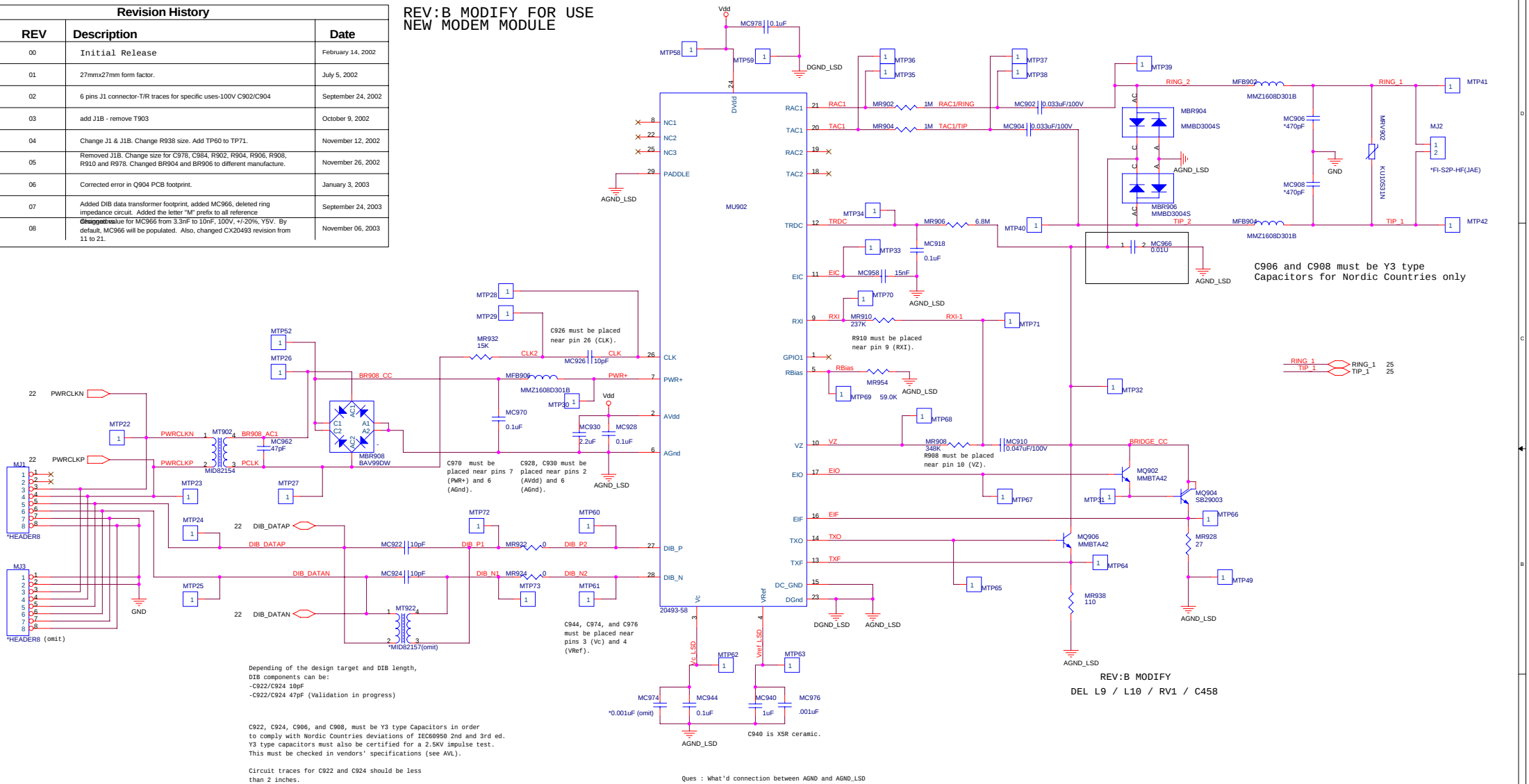


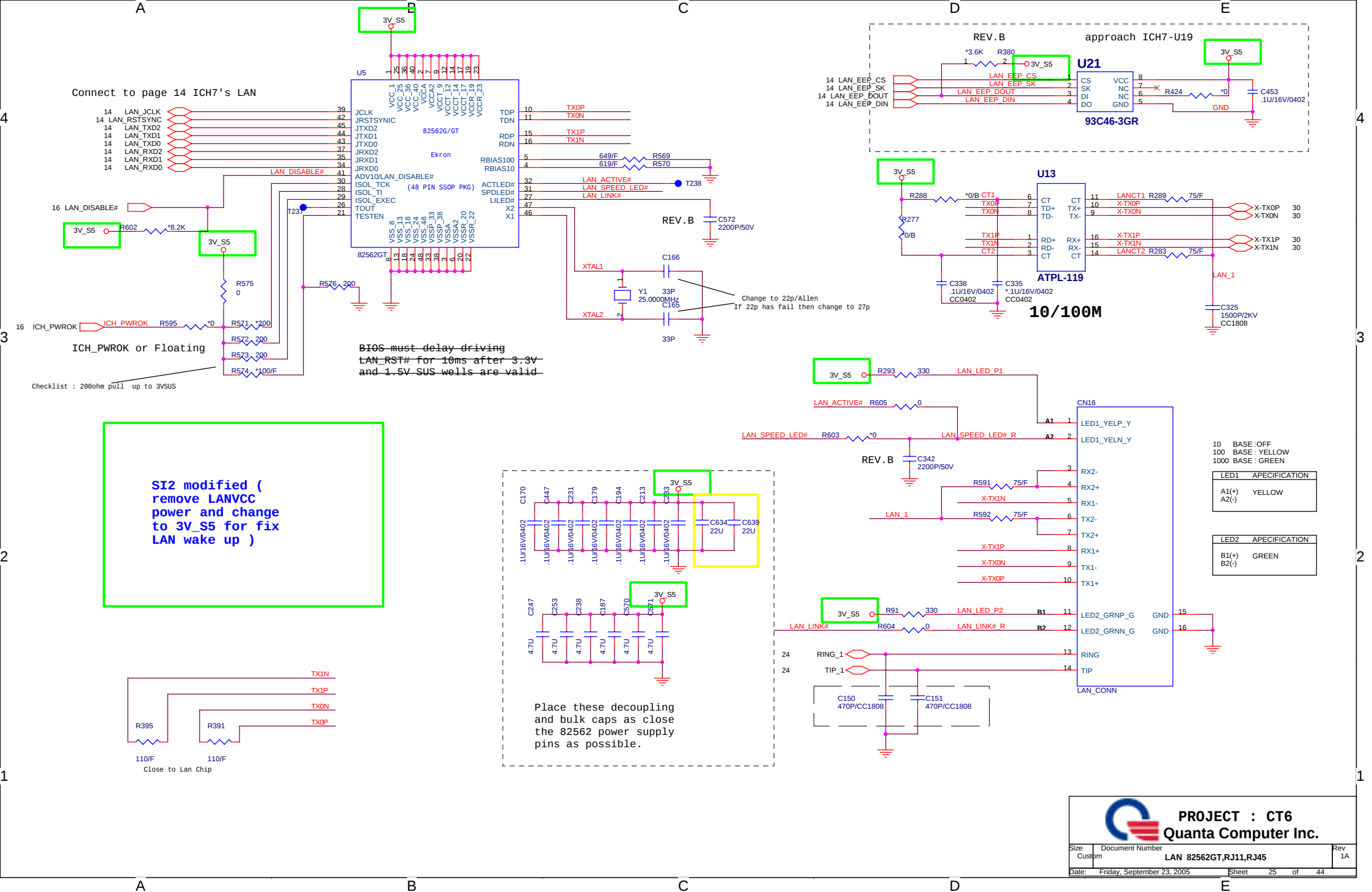
## MIC JACK

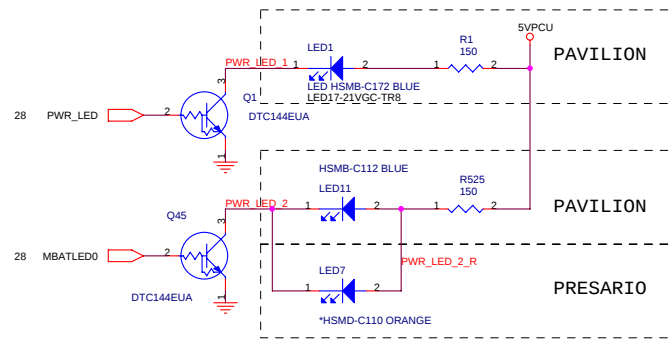


| Revision History |                                                                                                                                                                                                                                                                                 |                    |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| REV              | Description                                                                                                                                                                                                                                                                     | Date               |
| 00               | Initial Release                                                                                                                                                                                                                                                                 | February 14, 2002  |
| 01               | 27mmx27mm form factor.                                                                                                                                                                                                                                                          | July 5, 2002       |
| 02               | 6 pins J1 connector-T/R traces for specific uses-100V C902/C904                                                                                                                                                                                                                 | September 24, 2002 |
| 03               | add J1B - remove T903                                                                                                                                                                                                                                                           | October 9, 2002    |
| 04               | Change J1 & J1B. Change R938 size. Add TP60 to TP71.                                                                                                                                                                                                                            | November 12, 2002  |
| 05               | Removed J1B. Change size for C978, C984, R902, R904, R906, R908, R910 and R978. Changed BR904 and BR906 to different manufacture.                                                                                                                                               | November 26, 2002  |
| 06               | Corrected error in Q904 PCB footprint.                                                                                                                                                                                                                                          | January 3, 2003    |
| 07               | Added DIB data transformer footprint, added MC966, deleted ring impedance circuit. Added the letter "M" prefix to all reference designators for MC986 from 3.3nF to 10nF, 100V, +/-20%, Y5V. By default, MC966 will be populated. Also, changed CX20493 revision from 11 to 21. | September 24, 2003 |
| 08               |                                                                                                                                                                                                                                                                                 | November 06, 2003  |

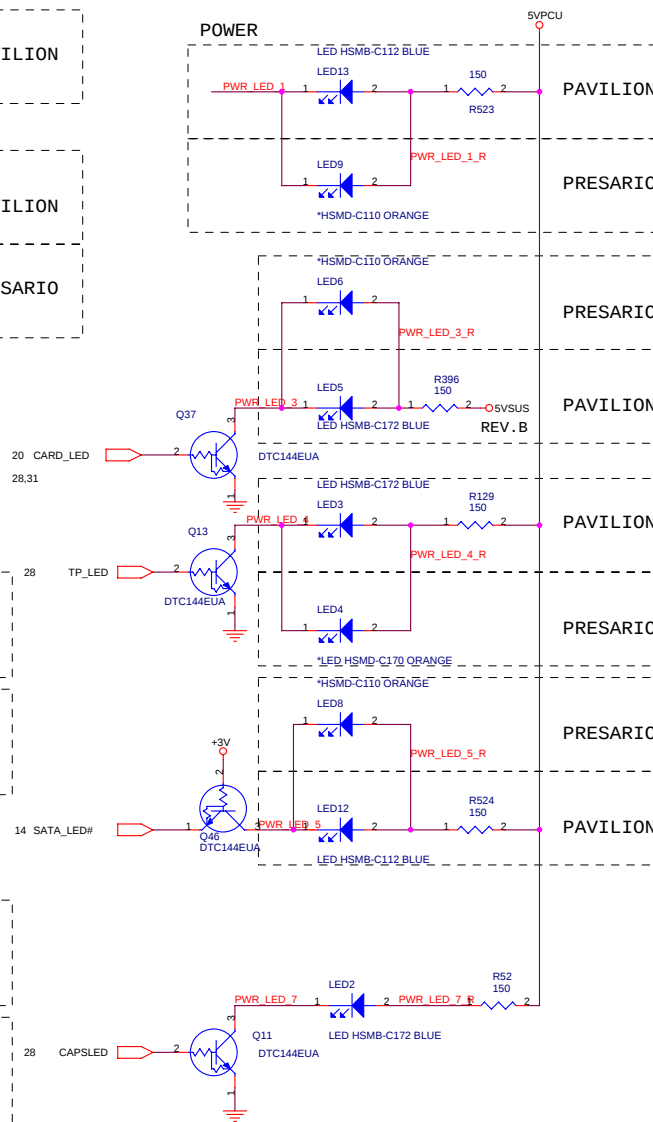
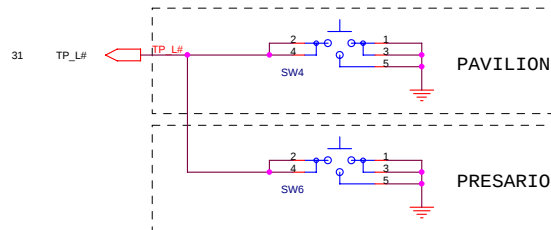
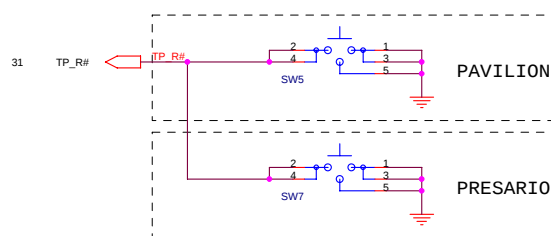
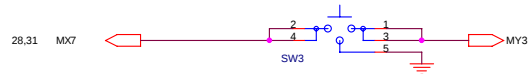
REV:B MODIFY FOR USE  
NEW MODEM MODULE



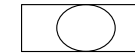




## Touchpad control



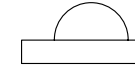
LED HSMD-C170 ORANGE



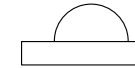
LED HSMB-C172 BLUE



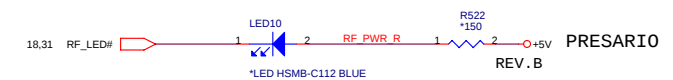
LED HSMD-C110 ORANGE



LED HSMD-C112 BLUE



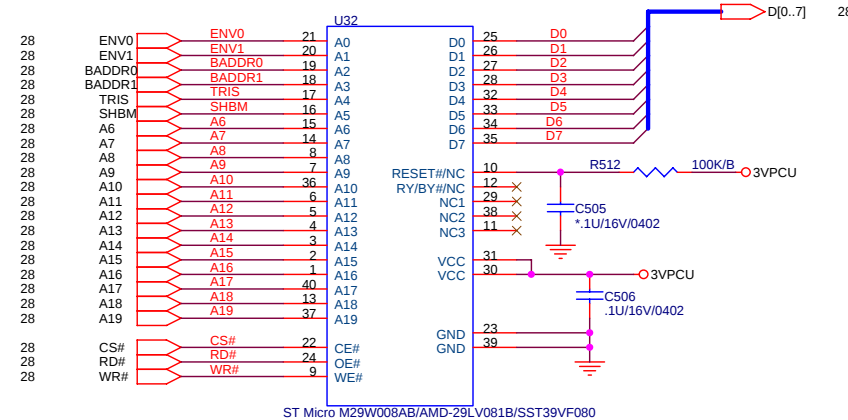
REV.B: LED7 AND LED8 SWAP



PROJECT : CT6  
Quanta Computer Inc.

|        |                            |                |
|--------|----------------------------|----------------|
| Size   | Document Number            | Rev            |
| Custom | LED_SW                     | 1A             |
| Date:  | Friday, September 23, 2005 | Sheet 26 of 44 |

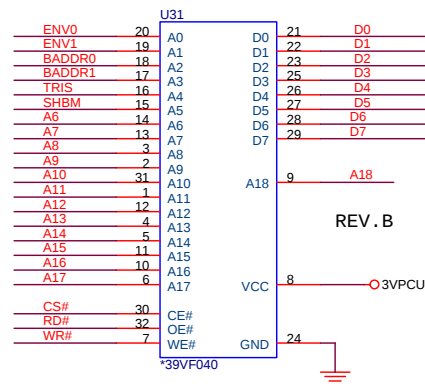
8Mbit (1M Byte), TSSOP40



AMD :Pin 10 is RESET# ; Pin12 is RY/BY#  
SST :Pin10,12 are NC

1.AMD-29LV081B require MAX 500nS Tready for it's hardware reset.And MAX6326 UR29 has >100mS reset timing.So we can tie it's reset# pin to +3VALV directly.  
2.SiO has internal 20 mS delay of VCC1\_PWROK

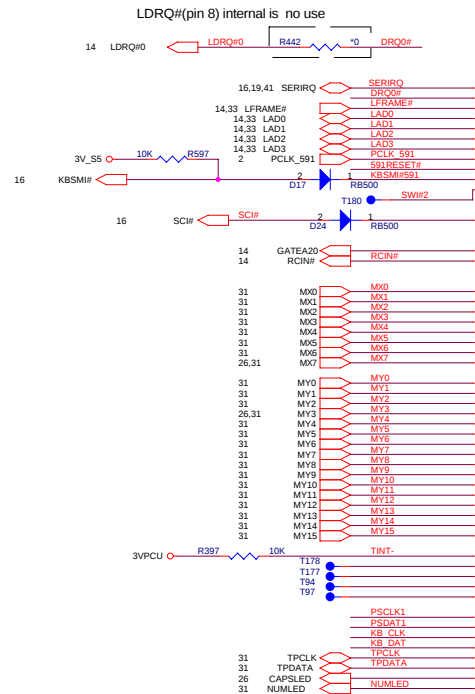
4Mbit (512k Byte), TSSOP32



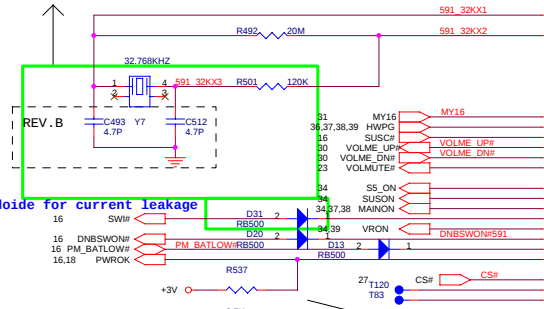
**PROJECT : CT6**  
**Quanta Computer Inc.**

|           |                                    |                |
|-----------|------------------------------------|----------------|
| Size<br>B | Document Number<br><b>BIOS ROM</b> | Rev<br>1A      |
| Date:     | Friday, September 23, 2005         | Sheet 27 of 44 |

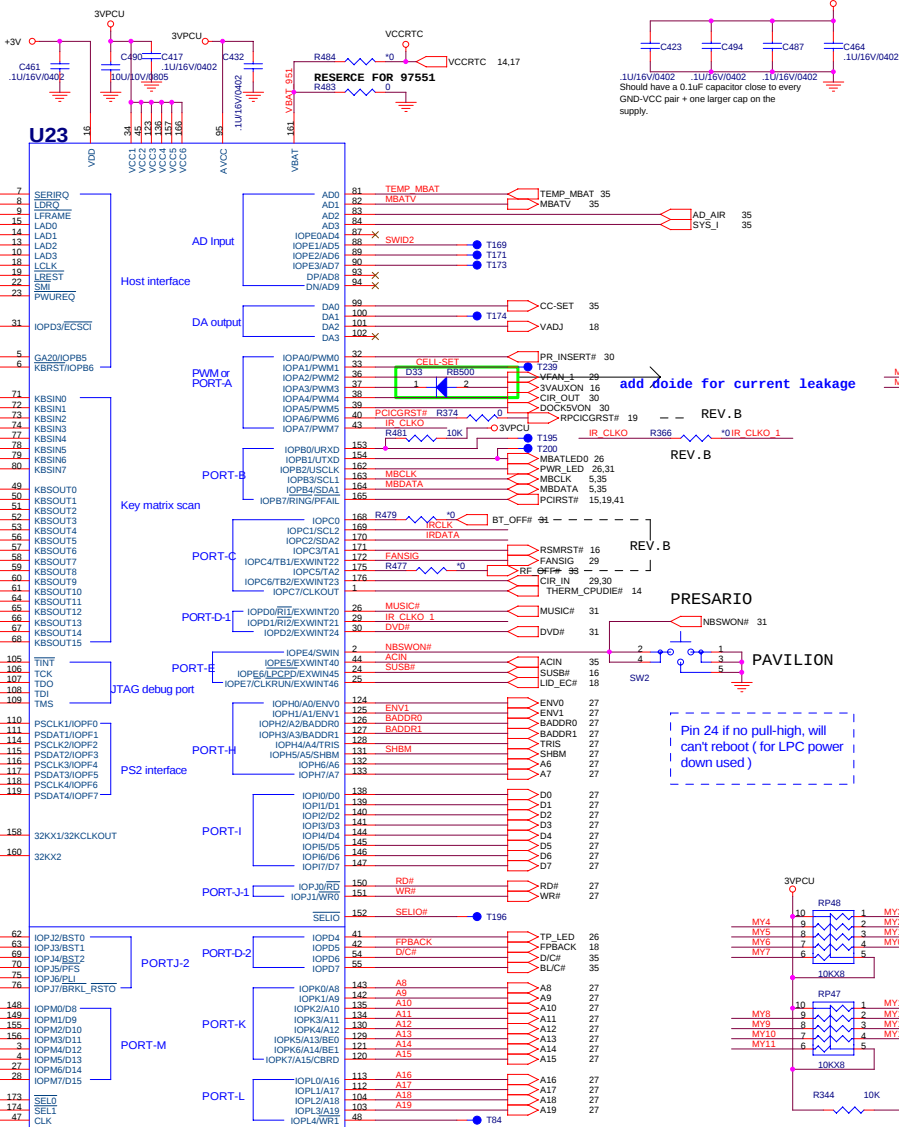
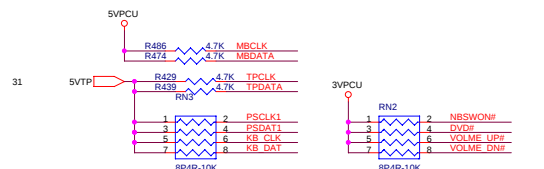
**KBC-NS87541L**



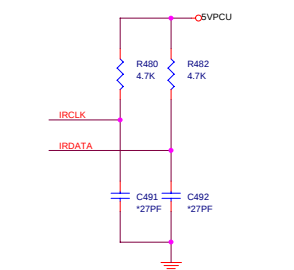
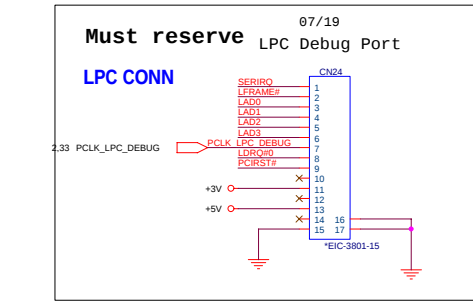
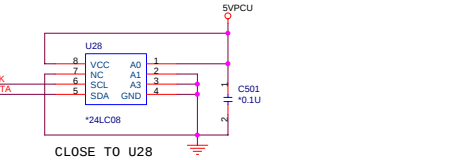
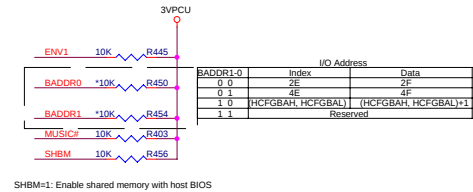
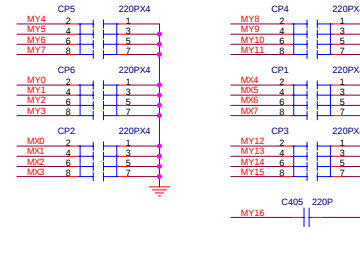
change footprint for SMT request



REV.B 1. Remove R468.  
2. Add a Diode D20 on BATLOW#.  
3. R470 no stuff.

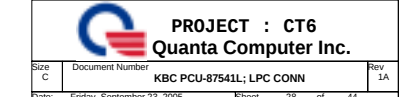


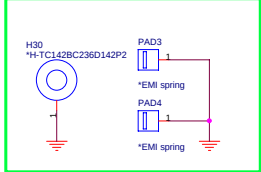
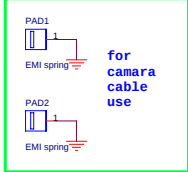
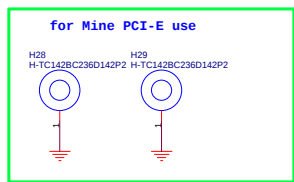
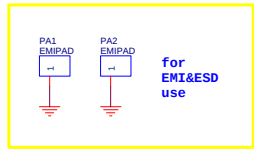
Pin 103 internal is "A19", Can't use to GPIO



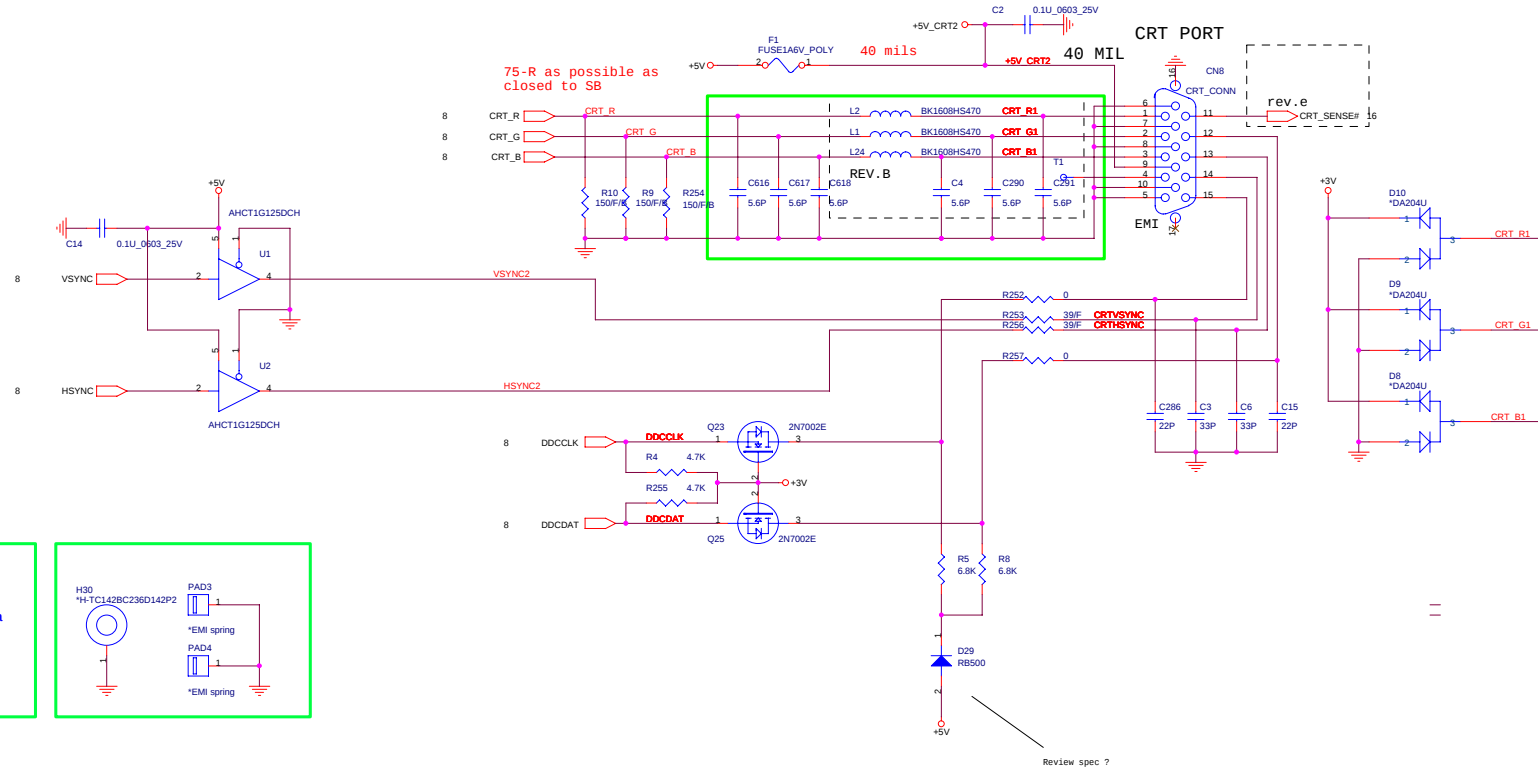
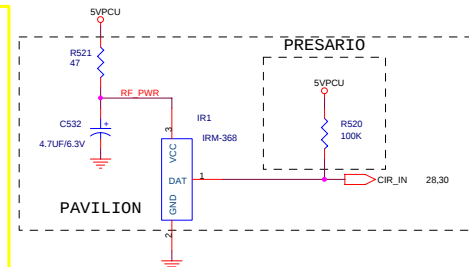
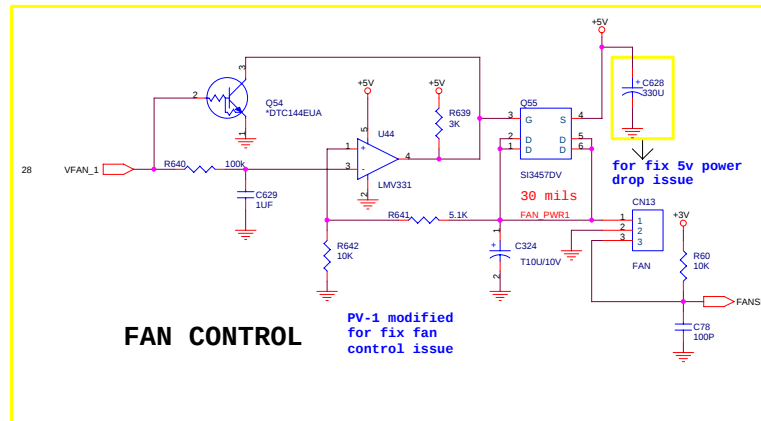
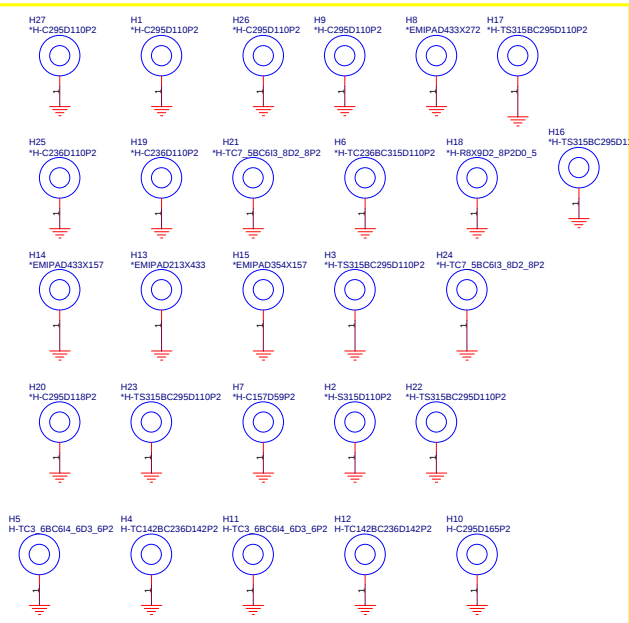
remove debug port

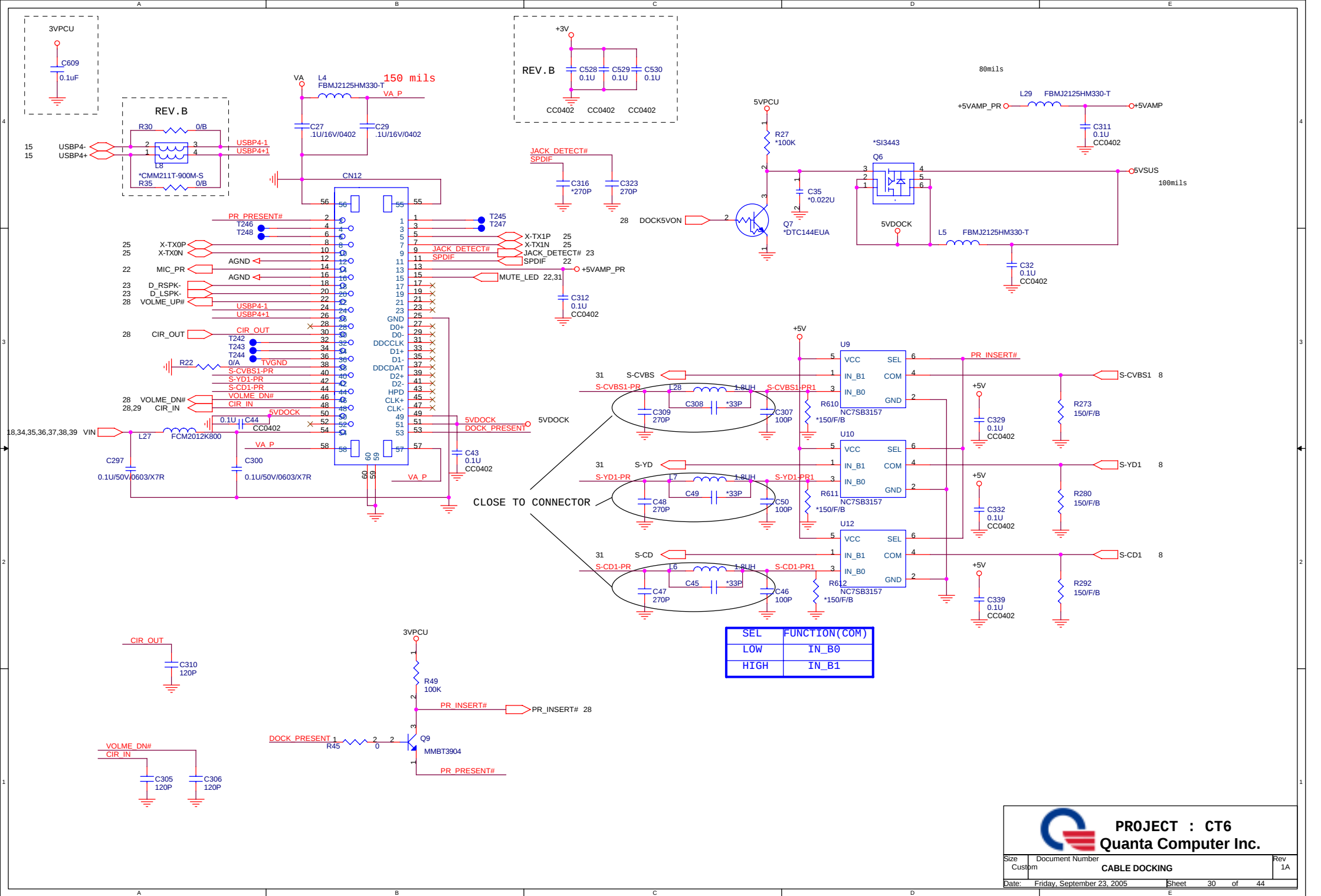
SI-2 modified



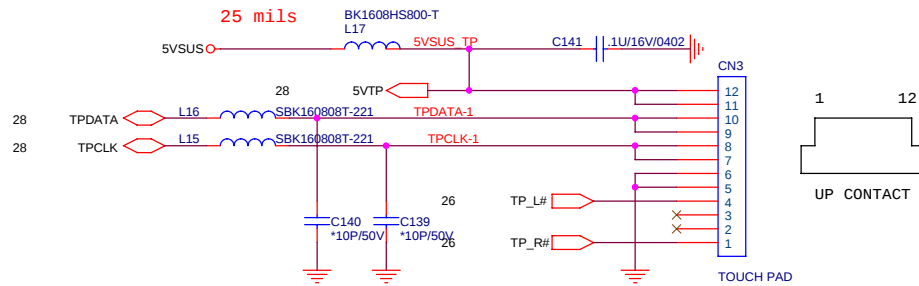


## Area of Hole



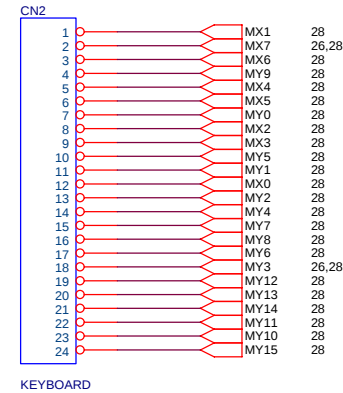


## TOUCH PAD CONNECTOR

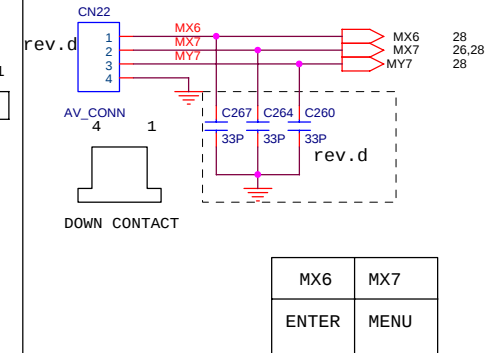


CHECK PIN DEFINE

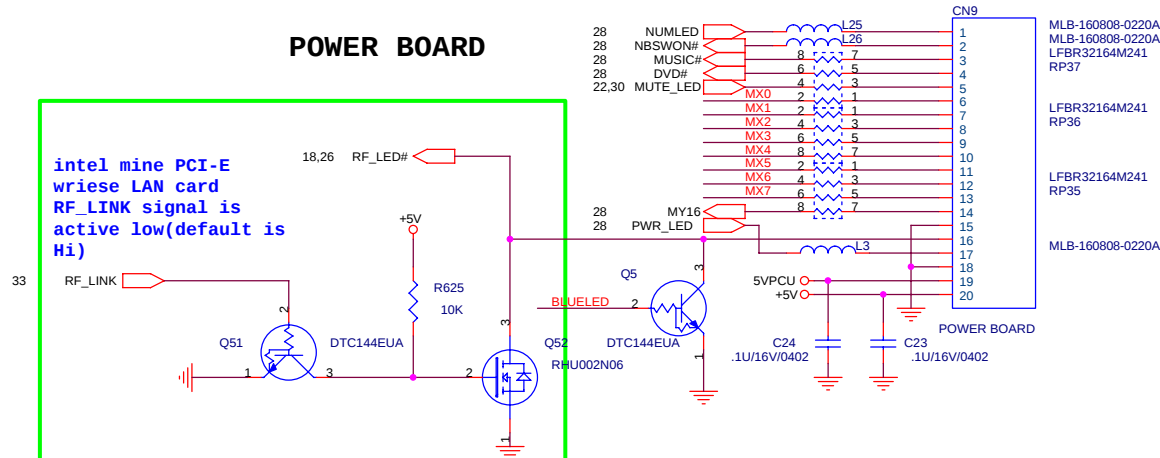
## KEYBOARD CONNECTOR



## AV BOARD

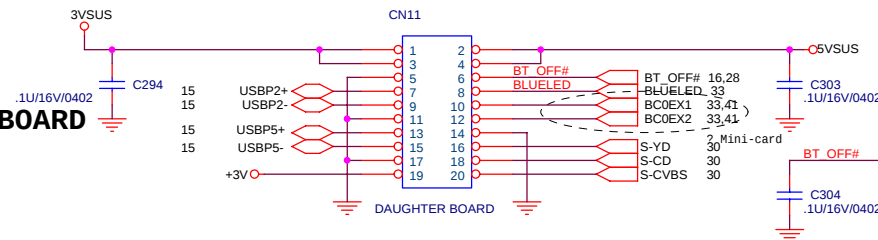


## POWER BOARD



STOP =>MX0+MY12  
NEW=>MX1+MY12

## DAUGHTER BOARD

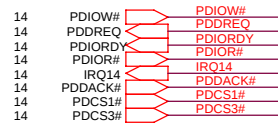
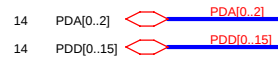
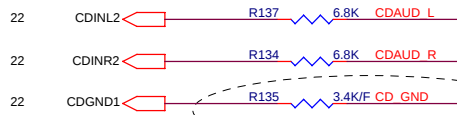
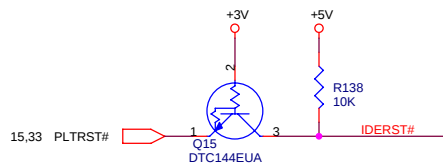


TOP VIEW

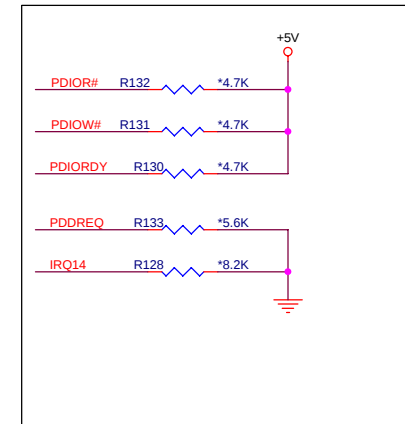
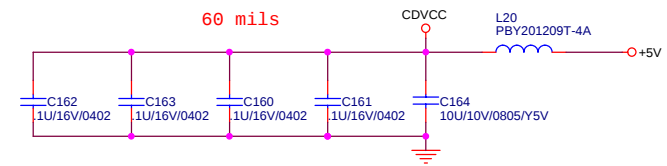
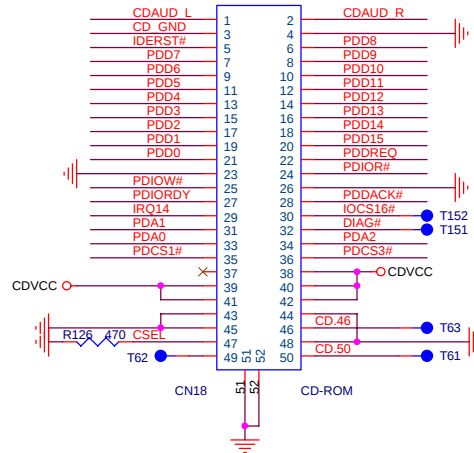


PROJECT : CT6  
Quanta Computer Inc.

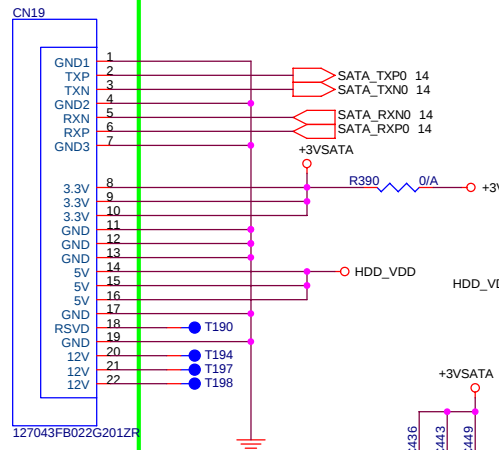
|        |                            |                |
|--------|----------------------------|----------------|
| Size   | Document Number            | Rev            |
| Custom | BLUETOOTH/TP/KEY/BTB       | 1A             |
| Date:  | Friday, September 23, 2005 | Sheet 31 of 44 |



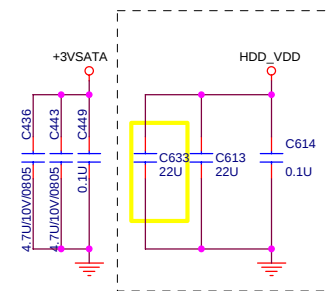
## CD-ROM



## SATA CONNECTOR



BOM P/N:DFHD07MS159



change footprint for SMT request(  
add 防呆 pin )

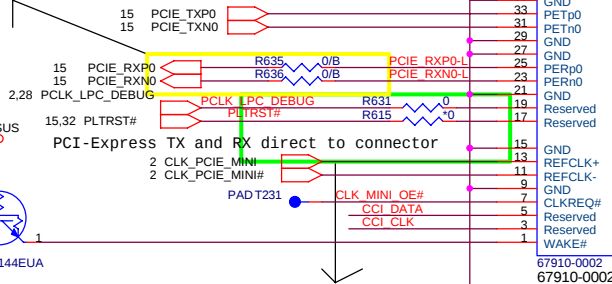
The image displays three circuit diagrams, each representing a decoupling network for a specific voltage rail. Each diagram shows a voltage source at the top and ground at the bottom. The first diagram is for a 3V rail, featuring capacitors C228 (0.1uF/10V) and C221 (10uF/0603/X5R) in parallel. The second diagram is also for a 3V rail, featuring capacitors C196 (0.1uF/10V) and C192 (10uF/10V/0805) in parallel. The third diagram is for a 1.5V rail, featuring three capacitors in parallel: C200 (0.01uF), C239 (0.1uF/10V), and C502 (10uF/10V/0805).

3V5

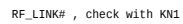
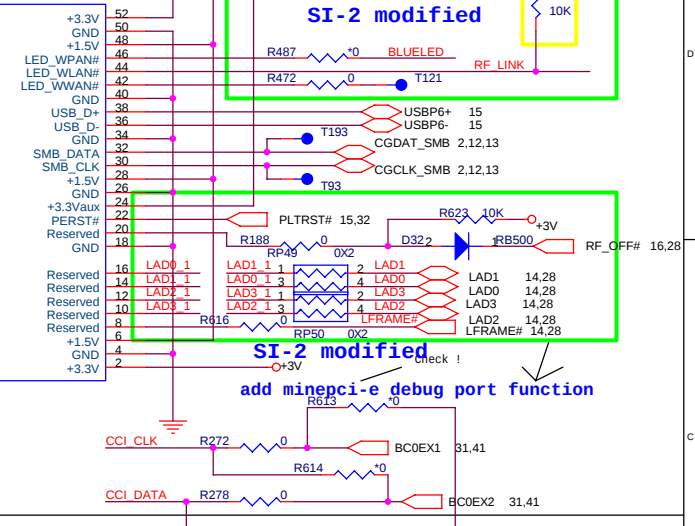
2k

Q16

16 PCIE\_WAKE#

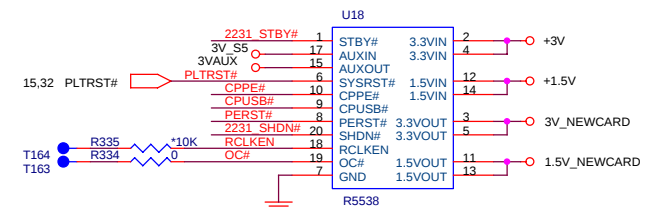
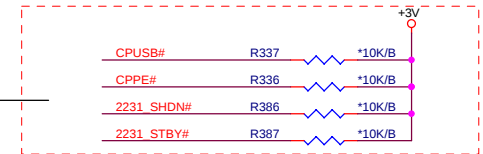


PV-1 modified ( R478  
need to stuff for fix  
wireless LED always on  
when wireless lan card  
and bluetooth module  
not inser )

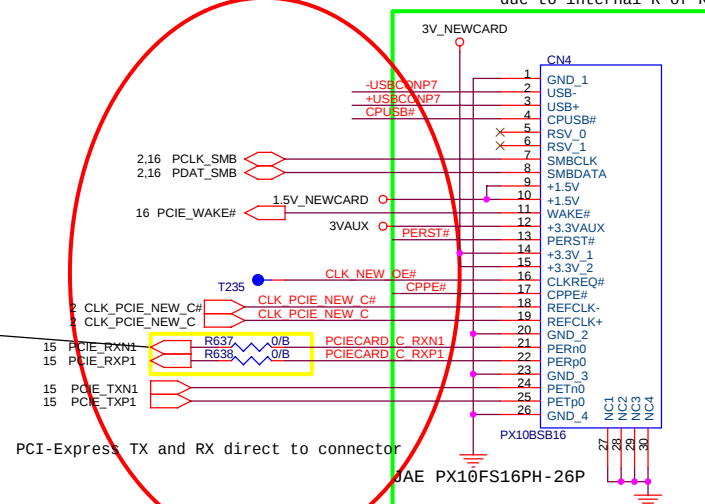
[illegible]

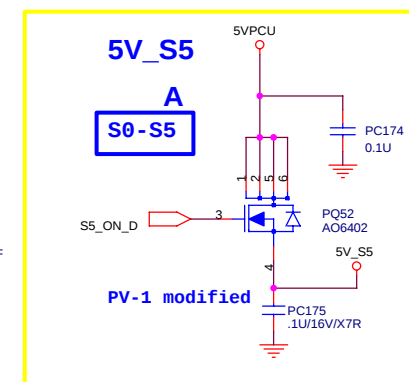
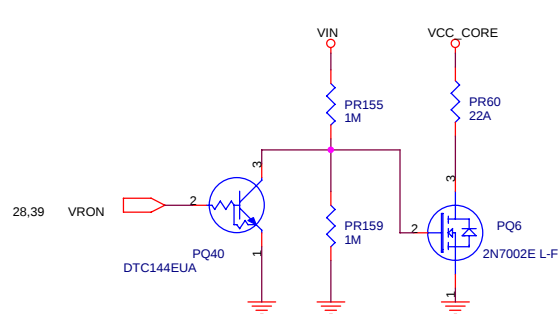
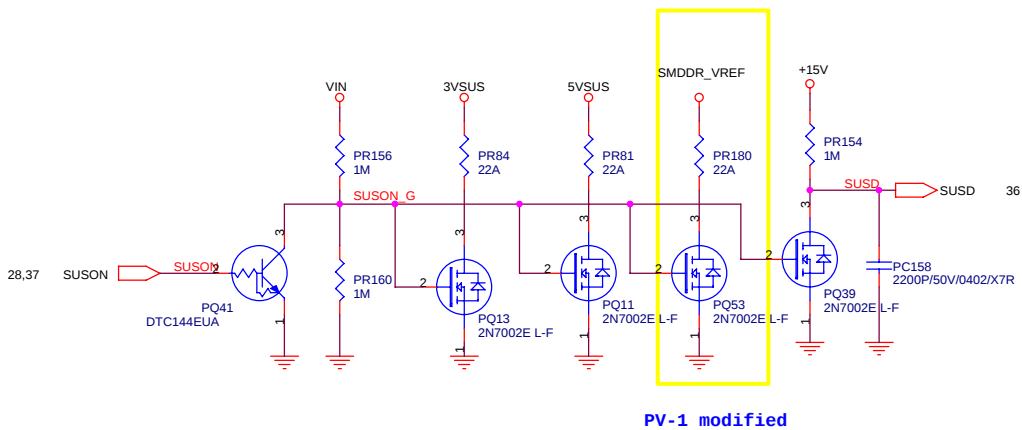
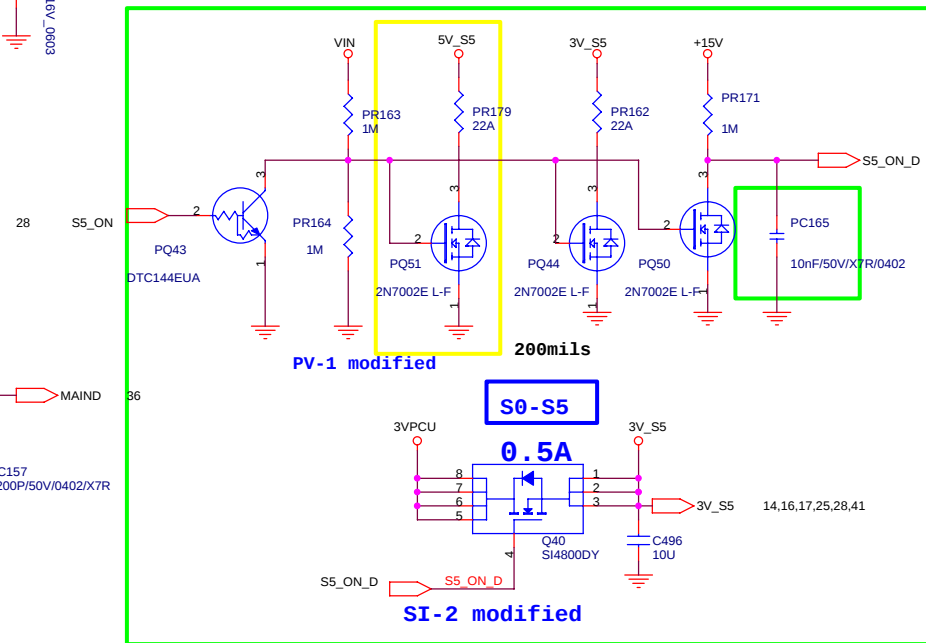
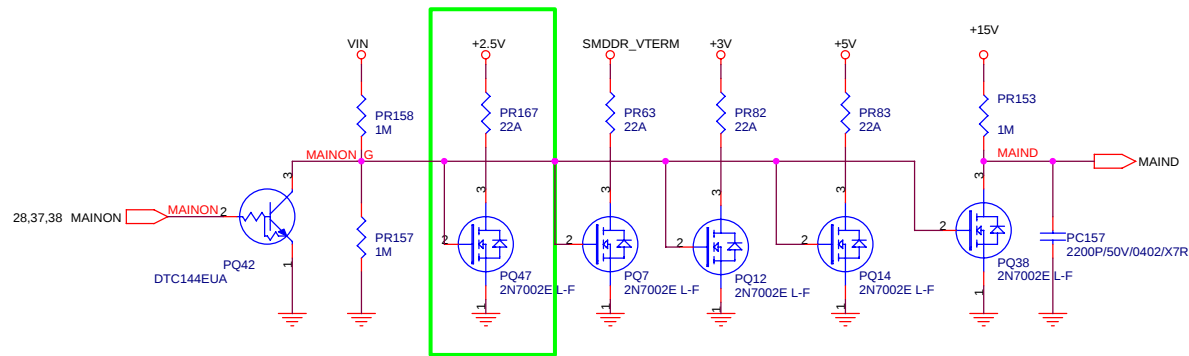
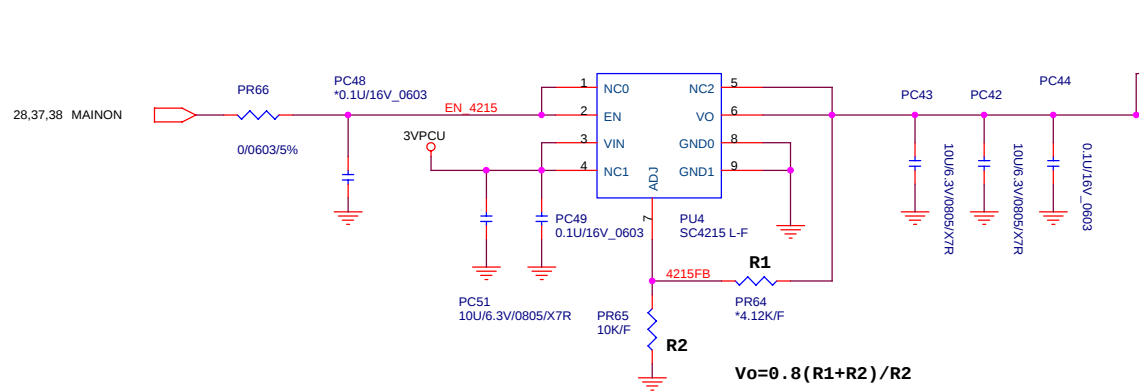
The diagrams show the following connections:

- 3V\_NEWCARD:** Capacitor C429 is connected between the 3V\_NEWCARD rail and ground. Capacitor C428 is connected between the 3V\_NEWCARD rail and the 3V\_AUX rail.
- 3V\_AUX:** Capacitor C397 is connected between the 3V\_AUX rail and ground. Capacitor C398 is connected between the 3V\_AUX rail and the 1.5V\_NEWCARD rail.
- 1.5V\_NEWCARD:** Capacitor C399 is connected between the 1.5V\_NEWCARD rail and ground. Capacitor C400 is connected between the 1.5V\_NEWCARD rail and the 3V\_AUX rail.



PV-I modified (Epress card internal has a serial cap, change component from 0.1uf to 0 ohm)





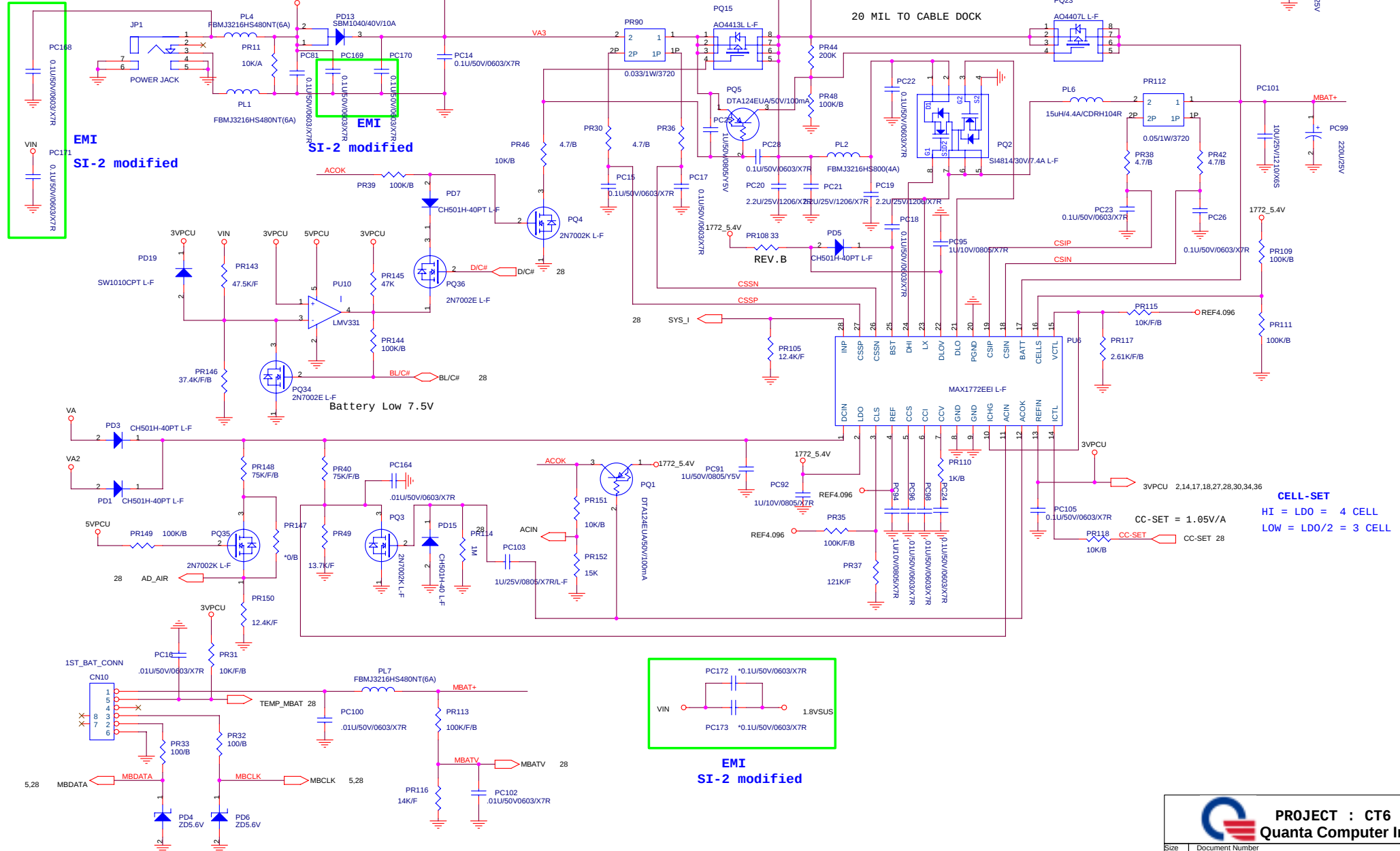
**PROJECT : CT6**  
**Quanta Computer Inc.**

|        |                            |                |
|--------|----------------------------|----------------|
| Size   | Document Number            | Rev            |
| Custom | <b>+2.5V/DISCHARGE</b>     | 1A             |
| Date:  | Friday, September 23, 2005 | Sheet 34 of 44 |

# BATTERY CHARGER

ADAPTER 18.5V 65W 3.51A

Second: BAMB6790014

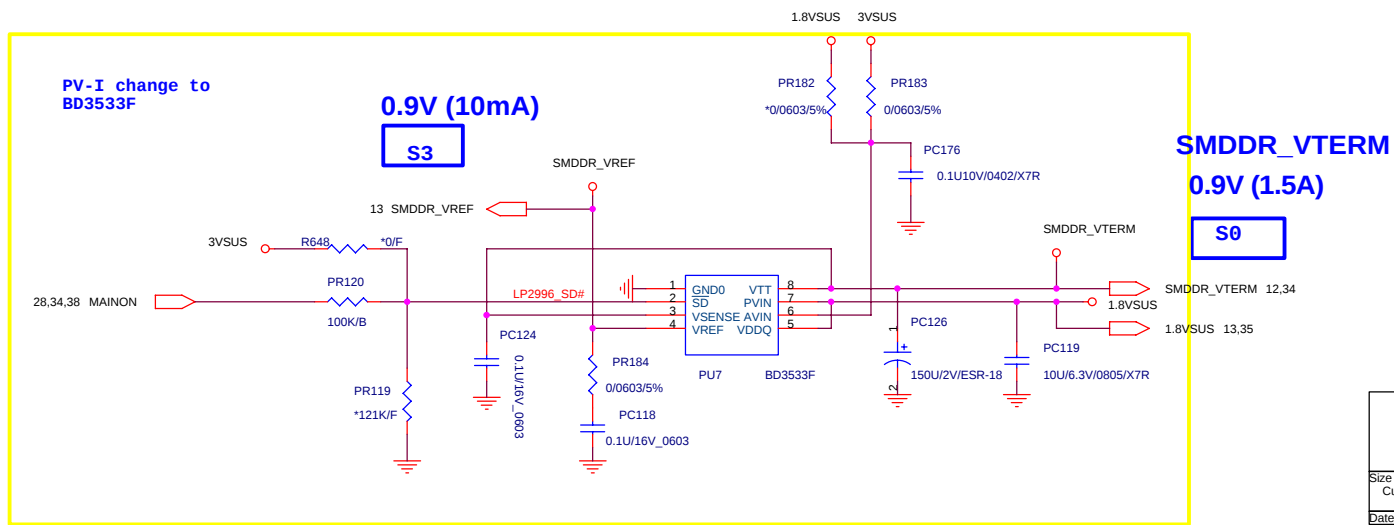
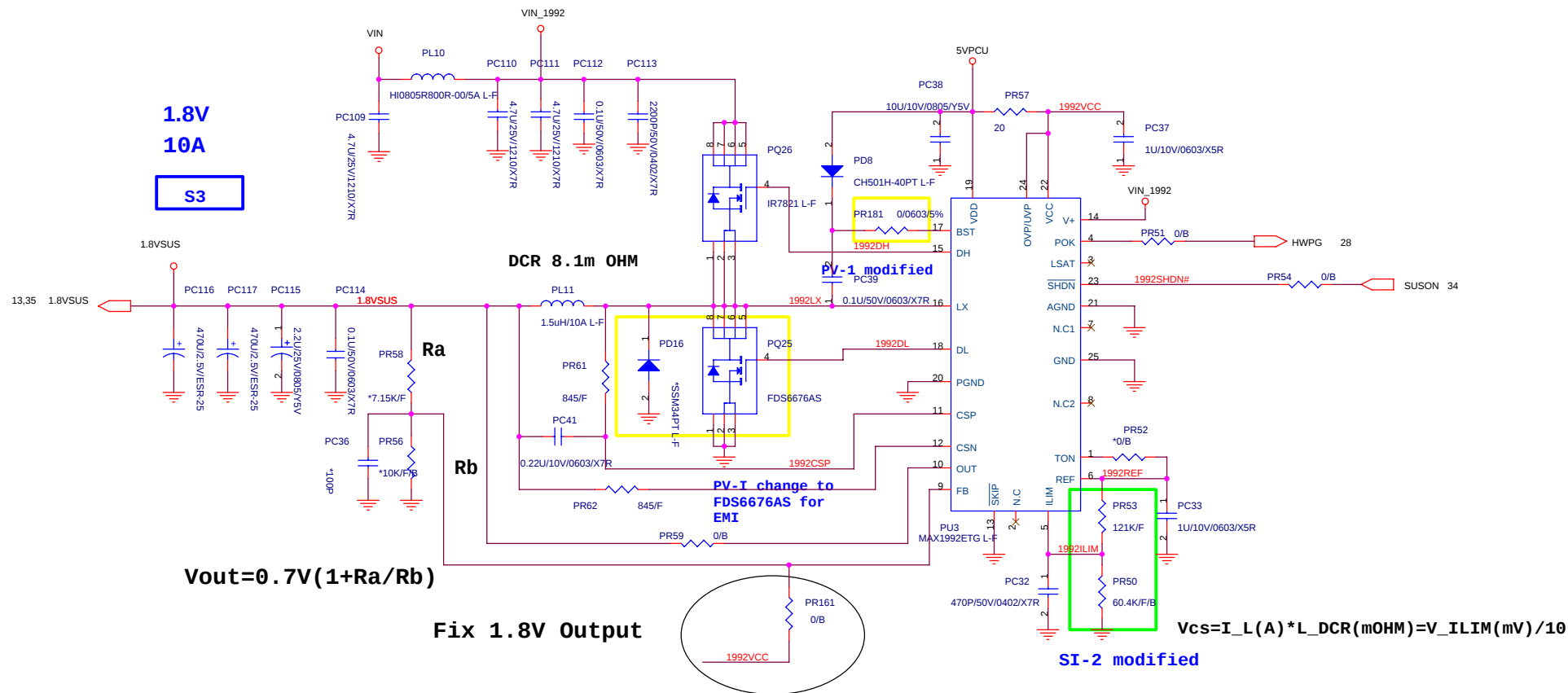


**PROJECT : CT6**  
**Quanta Computer Inc.**

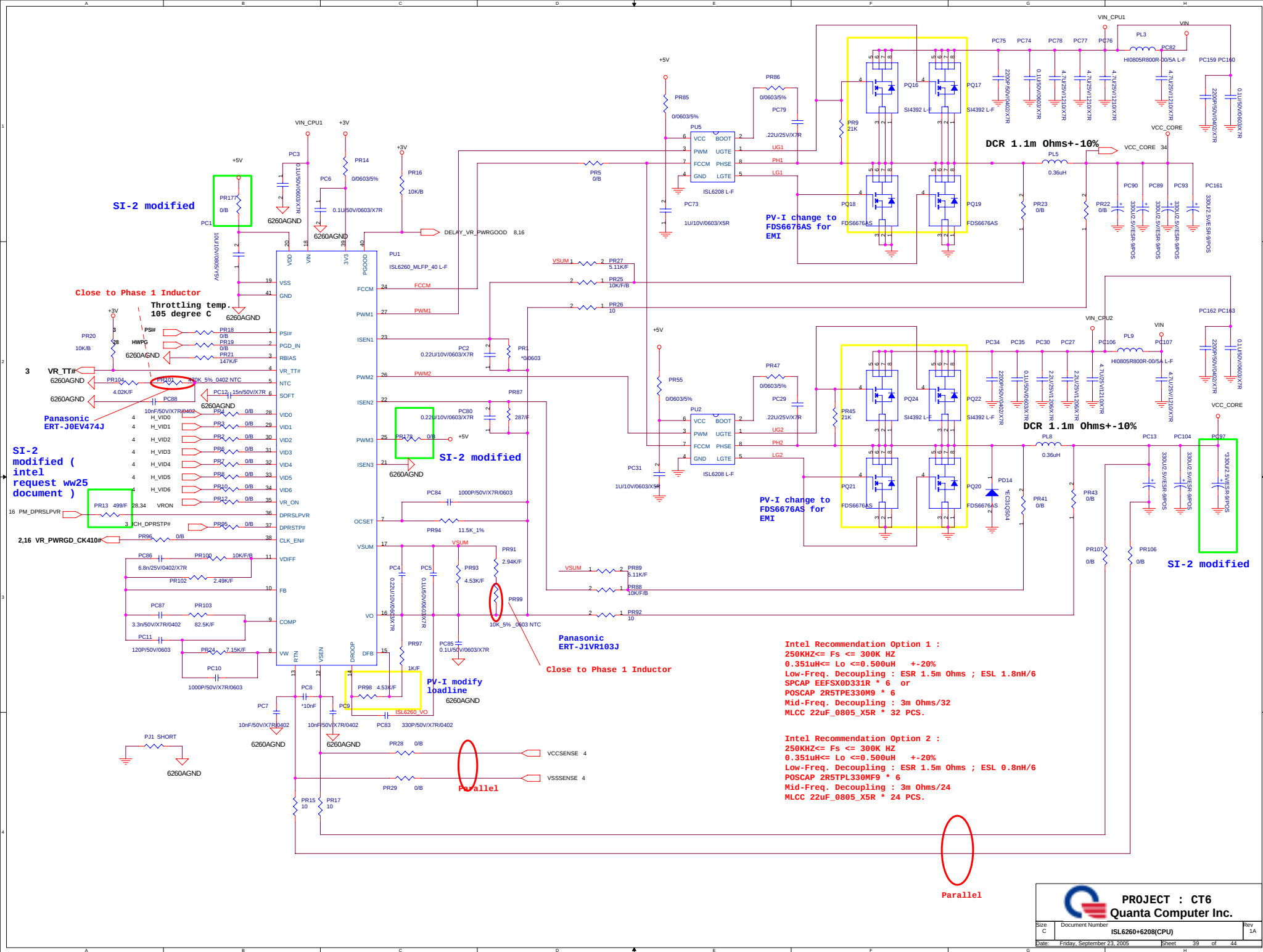
|        |                            |                |
|--------|----------------------------|----------------|
| Size   | Document Number            | Rev            |
| Custpm | CHARGER MAX1772            | 1A             |
| Date:  | Friday, September 23, 2005 | Sheet 35 of 44 |



0.9V (0.1A)







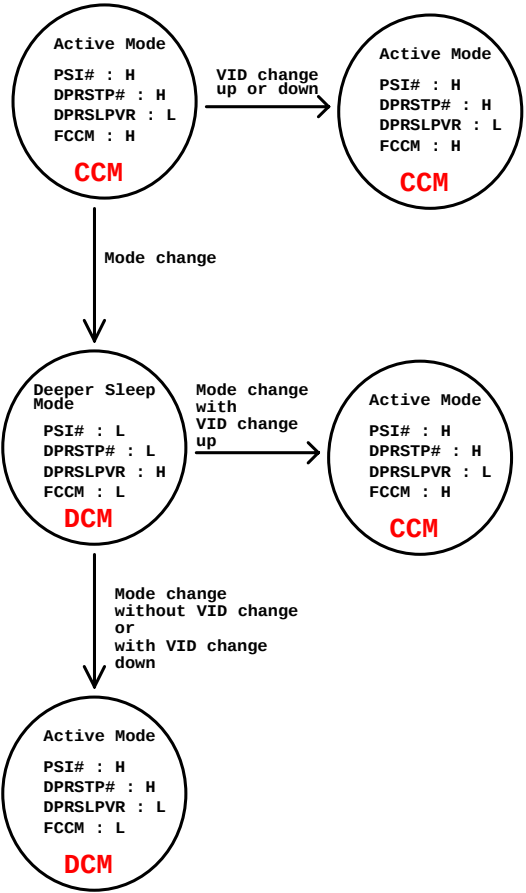
IMVP Spec. Rev. 0.8

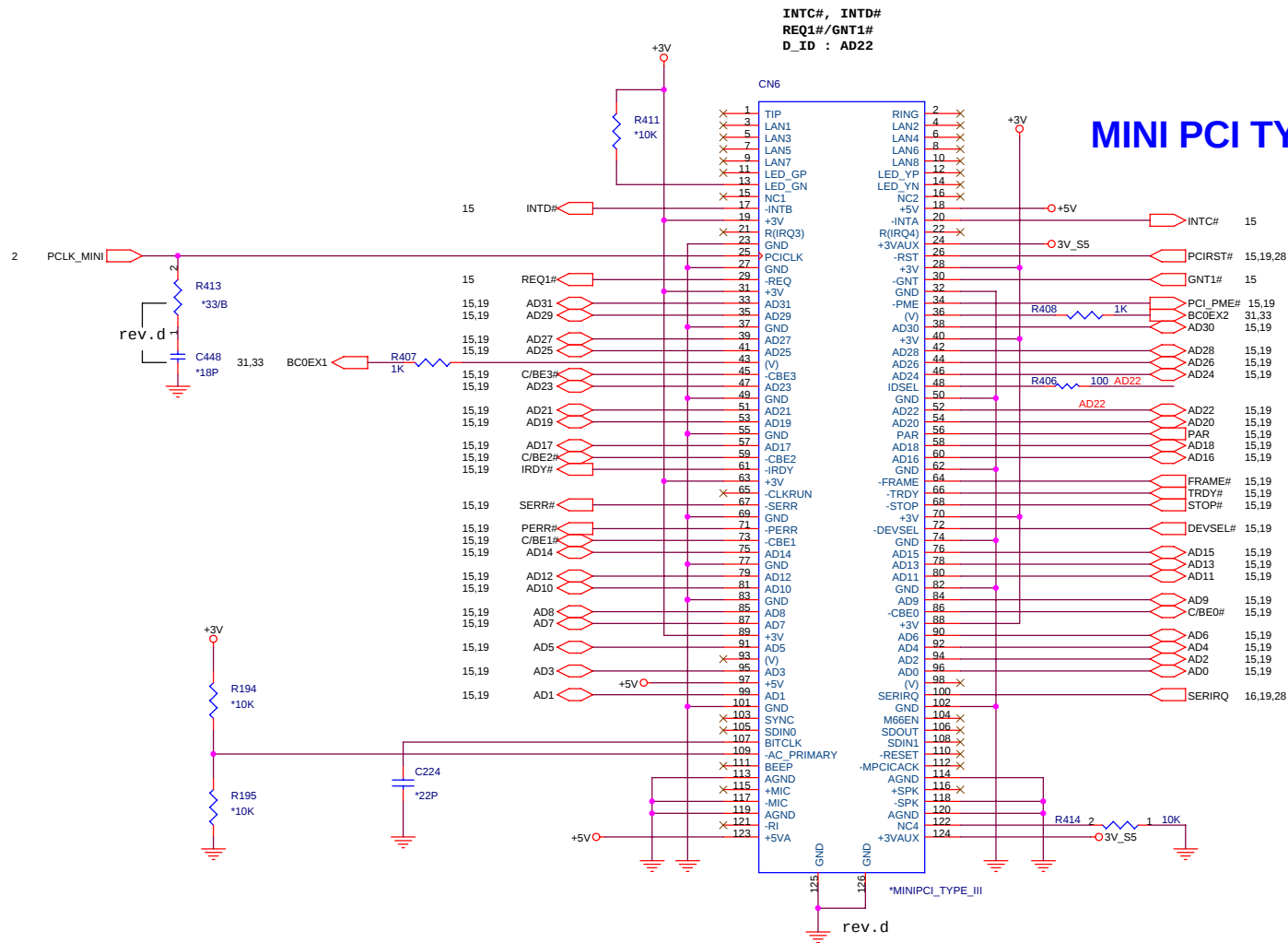
| (Nom.) | Yonah-2M  | Meron     |
|--------|-----------|-----------|
| HFM    | 1.2875 V  | 1.1500 V  |
| LFM    | 0.8375 V  | 0.8375 V  |
| Deeper | 0.7625 V  | 0.7625 V  |
| VBOOT  | 1.2000 V  | 1.2000 V  |
| SLOPE  | -2.1 mV/A | -2.1 mV/A |

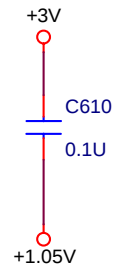
| (Max.)  | Yonah-2M | Meron  |
|---------|----------|--------|
| HFM     | 36 A     | 44 A   |
| LFM     | 9.5 A    | 12.5 A |
| Deeper  | 3.5 A    | 5.5 A  |
| Dynamic | 27 A     | 34.5 A |
| TDC     | 26 A     | 32 A   |

| Vo     | VID6 | VID5 | VID4 | VID3 | VID2 | VID1 | VID0 |
|--------|------|------|------|------|------|------|------|
| 1.5000 | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| 1.4375 | 0    | 0    | 0    | 0    | 1    | 0    | 1    |
| 1.4000 | 0    | 0    | 0    | 1    | 0    | 0    | 0    |
| 1.3000 | 0    | 0    | 1    | 0    | 0    | 0    | 0    |
| 1.2875 | 0    | 0    | 1    | 0    | 0    | 0    | 1    |
| 1.2000 | 0    | 0    | 1    | 1    | 0    | 0    | 0    |
| 1.1500 | 0    | 0    | 1    | 1    | 1    | 0    | 0    |
| 1.1000 | 0    | 1    | 0    | 0    | 0    | 0    | 0    |
| 1.0000 | 0    | 1    | 0    | 1    | 0    | 0    | 0    |
| 0.9625 | 0    | 1    | 0    | 1    | 0    | 1    | 1    |
| 0.9000 | 0    | 1    | 1    | 0    | 0    | 0    | 0    |
| 0.8375 | 0    | 1    | 1    | 0    | 1    | 0    | 1    |
| 0.8000 | 0    | 1    | 1    | 1    | 0    | 0    | 0    |
| 0.7625 | 0    | 1    | 1    | 1    | 0    | 1    | 1    |
| 0.7500 | 0    | 1    | 1    | 1    | 1    | 0    | 0    |
| 0.7000 | 1    | 0    | 0    | 0    | 0    | 0    | 0    |
| 0.6000 | 1    | 0    | 0    | 1    | 0    | 0    | 0    |
| 0.5000 | 1    | 0    | 1    | 0    | 0    | 0    | 0    |
| 0.3000 | 1    | 1    | 0    | 0    | 0    | 0    | 0    |

CCM : Continuous Conduction Mode  
DCM : Dis-Continuous Mode



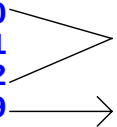




**PROJECT : CT6**  
**Quanta Computer Inc.**

|                                  |                        |           |
|----------------------------------|------------------------|-----------|
| Size<br>A                        | Document Number<br>TPM | Rev<br>1A |
| Date: Friday, September 23, 2005 | Sheet 42 of 44         |           |

| MODEL                    | REV | CHANGE LIST |  |      | Model        |    |  |
|--------------------------|-----|-------------|--|------|--------------|----|--|
|                          |     |             |  |      | CT6 MB BOARD |    |  |
| CT6<br>MB<br>31CT6MBXXXX | 1A  |             |  | Page | FROM         | TO |  |
|                          |     |             |  | 1    | 1A           |    |  |
|                          |     |             |  | 2    | 1A           |    |  |
|                          |     |             |  | 3    | 1A           |    |  |
|                          |     |             |  | 4    | 1A           |    |  |
|                          |     |             |  | 5    | 1A           |    |  |
|                          |     |             |  | 6    | 1A           |    |  |
|                          |     |             |  | 7    | 1A           |    |  |
|                          |     |             |  | 8    | 1A           |    |  |
|                          |     |             |  | 9    | 1A           |    |  |
|                          |     |             |  | 10   | 1A           |    |  |
|                          |     |             |  | 11   | 1A           |    |  |
|                          |     |             |  | 12   | 1A           |    |  |
|                          |     |             |  | 13   | 1A           |    |  |
|                          |     |             |  | 14   | 1A           |    |  |
|                          |     |             |  | 15   | 1A           |    |  |
|                          |     |             |  | 16   | 1A           |    |  |
|                          |     |             |  | 17   | 1A           |    |  |
|                          |     |             |  | 18   | 1A           |    |  |
|                          |     |             |  | 19   | 1A           |    |  |
|                          |     |             |  | 20   | 1A           |    |  |
|                          |     |             |  | 21   | 1A           |    |  |
|                          |     |             |  | 22   | 1A           |    |  |
|                          |     |             |  | 23   | 1A           |    |  |
|                          |     |             |  | 24   | 1A           |    |  |
|                          |     |             |  | 25   | 1A           |    |  |
|                          |     |             |  | 26   | 1A           |    |  |
|                          |     |             |  | 27   | 1A           |    |  |
|                          |     |             |  | 28   | 1A           |    |  |
|                          |     |             |  | 29   | 1A           |    |  |
|                          |     |             |  | 30   | 1A           |    |  |
|                          |     |             |  | 31   | 1A           |    |  |
|                          |     |             |  | 32   | 1A           |    |  |
|                          |     |             |  | 33   | 1A           |    |  |
|                          |     |             |  | 34   | 1A           |    |  |
|                          |     |             |  | 35   | 1A           |    |  |
|                          |     |             |  | 36   | 1A           |    |  |
|                          |     |             |  | 37   | 1A           |    |  |
|                          |     |             |  | 38   | 1A           |    |  |
|                          |     |             |  | 39   | 1A           |    |  |
|                          |     |             |  | 40   | 1A           |    |  |
|                          |     |             |  | 41   | 1A           |    |  |
|                          |     |             |  | 42   | 1A           |    |  |
|                          |     |             |  | 43   | 1A           |    |  |
| 44                       | 1A  |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |
|                          |     |             |  |      |              |    |  |

| 5 | 4           | 3                                                     | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1 |
|---|-------------|-------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
|   | description | 31 BOM difference list ( base on<br>31CT6MB0008 BOM ) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |
| D | 31CT6MB0008 | Pavilion FF                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | D |
|   | 31CT6MB0024 | Pavilion<br>FF+Camera/Mic                             | ADD :<br>1.CN30<br>2.CN31<br>3.CN32<br>4.CN29  for camera connector<br>for internal MIC connector                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |
| C | 31CT6MB0016 | Presario FF                                           | ADD:<br>LED 9 -- PWR_LED<br>LED 8 --SATA_LED<br>LED 7 --MBATLED<br>LED4 --TP_LED<br>LED2 --CAPD_LED<br>LED6 --CARD_LED<br>SW7 -- TP_R SWITCH<br>SW6 -- TP_L SWITCH<br><br>REMOVE:<br>IR1--- IR component<br>LED13--PWR_LED<br>LED12 --SATA_LED<br>LED11 --MBAT_LED<br>C532 -- IR<br>R521 -- IR<br>CN22 -- AV BOARD<br>CN26 -- 2ND H/P CON<br>LED5 -- CARD LED<br>LED3 -- TP_LED<br>LED2 -- CAPS_LED<br>LED1 -- PWR_LED<br>C267 -- AV BOARD EMI<br>C264 -- AV BOARD EMI<br>C260 -- AV BOARD EMI<br>C275 -- 2ND H/P EMI<br>C272 -- 2ND H/P EMI<br>R241 --2ND H/P damp res<br>R235 --2ND H/P damp res<br>R1 -- PWR RES<br>SW5 -TP_R SWITCH<br>SW4 -- TP_L SWITCH<br>SW2-NBWON# SWITCH | C |
| B |             |                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | B |
| A |             |                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | A |
| 5 | 4           | 3                                                     | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1 |



PROJECT : CT6

Quanta Computer Inc.

|           |                            |                |           |
|-----------|----------------------------|----------------|-----------|
| Size<br>B | Document Number            | change list    | Rev<br>1A |
| Date:     | Friday, September 23, 2005 | Sheet 44 of 44 |           |