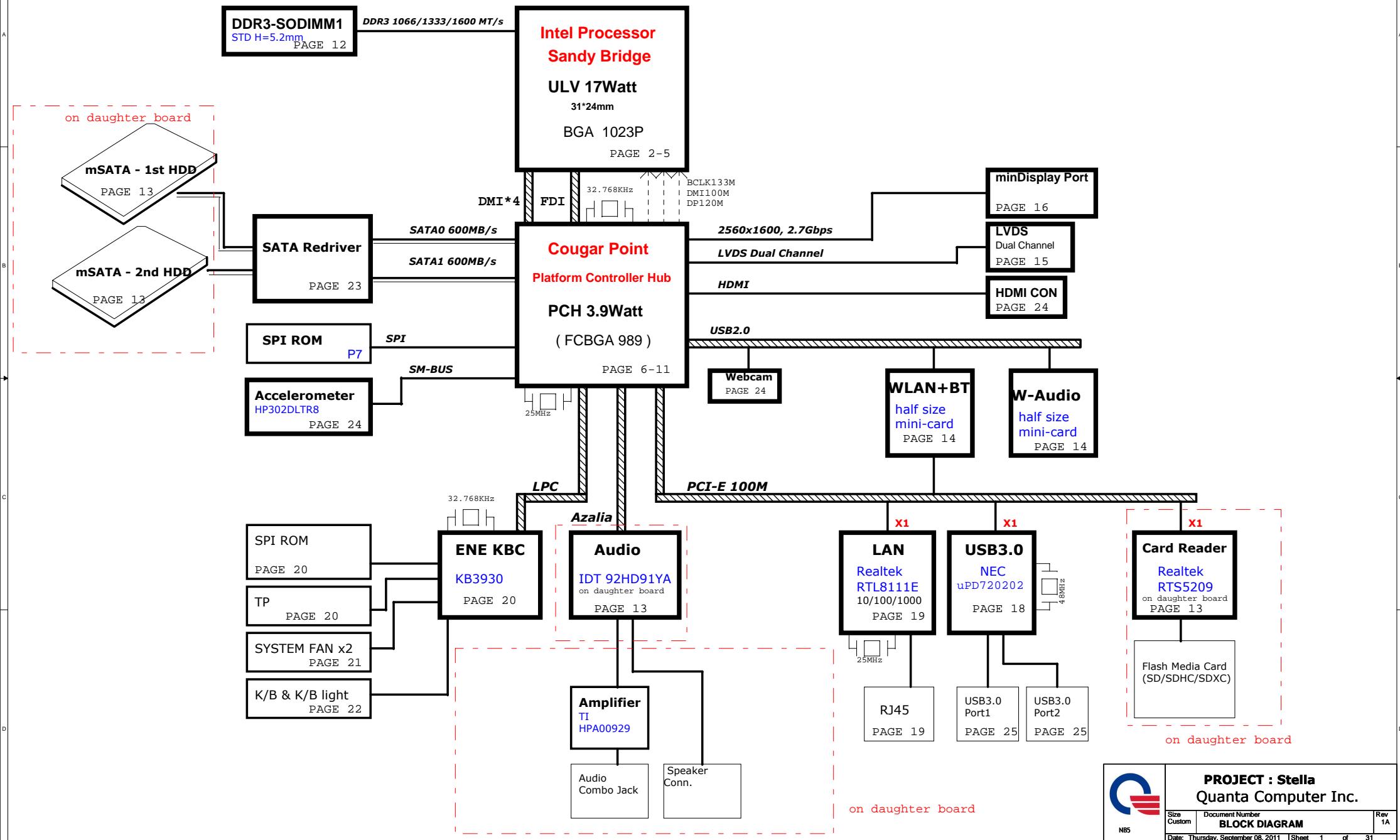
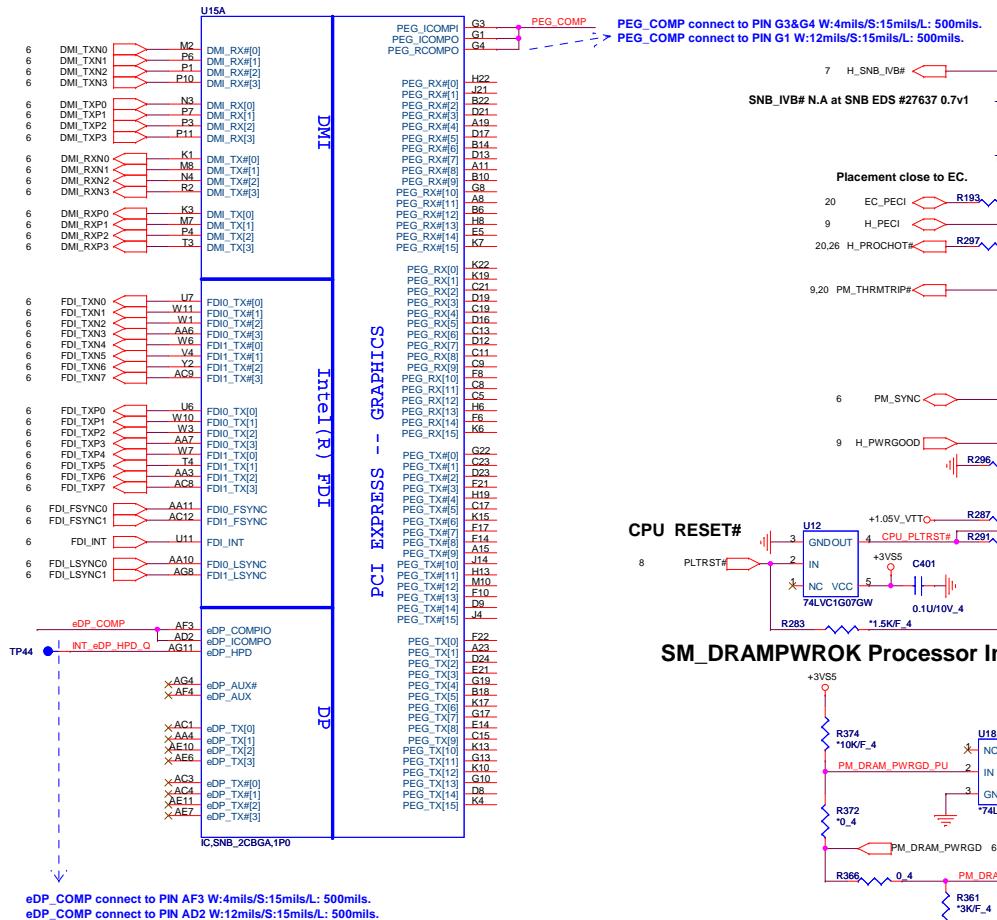


# 14 Envy (Huron/Chief River ULV 17W(BGA) UMA BLOCK DIAGRAM

01

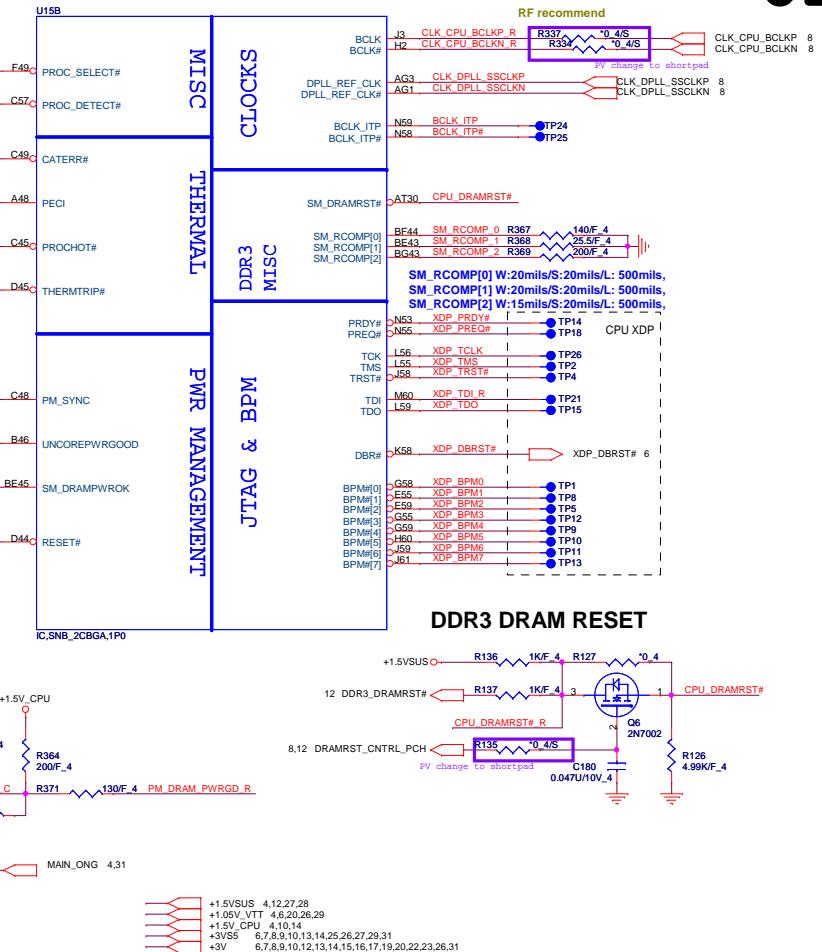


## Sandy Bridge Processor (DMI,PEG,FDI)



eDP\_COMP connect to PIN AF3 W:4mils/S:15mils/L: 500mils.  
eDP\_COMP connect to PIN AD2 W:12mils/S:15mils/L: 500mils

Sandy Bridge Processor (CLK,MISC,JTAG)



## DP & PEG Compensation

cDR, COMBO and ICOMBO signals should be shorted.

**PEG\_ICOMPI and RCOMPO signals**  
should be routed within 500 mils typical  
impedance = 43 mohms PEG\_ICOMPO  
signals should be routed within 500 mils  
typical impedance = 14.5 mohms

## Processor pull-up (CPU)



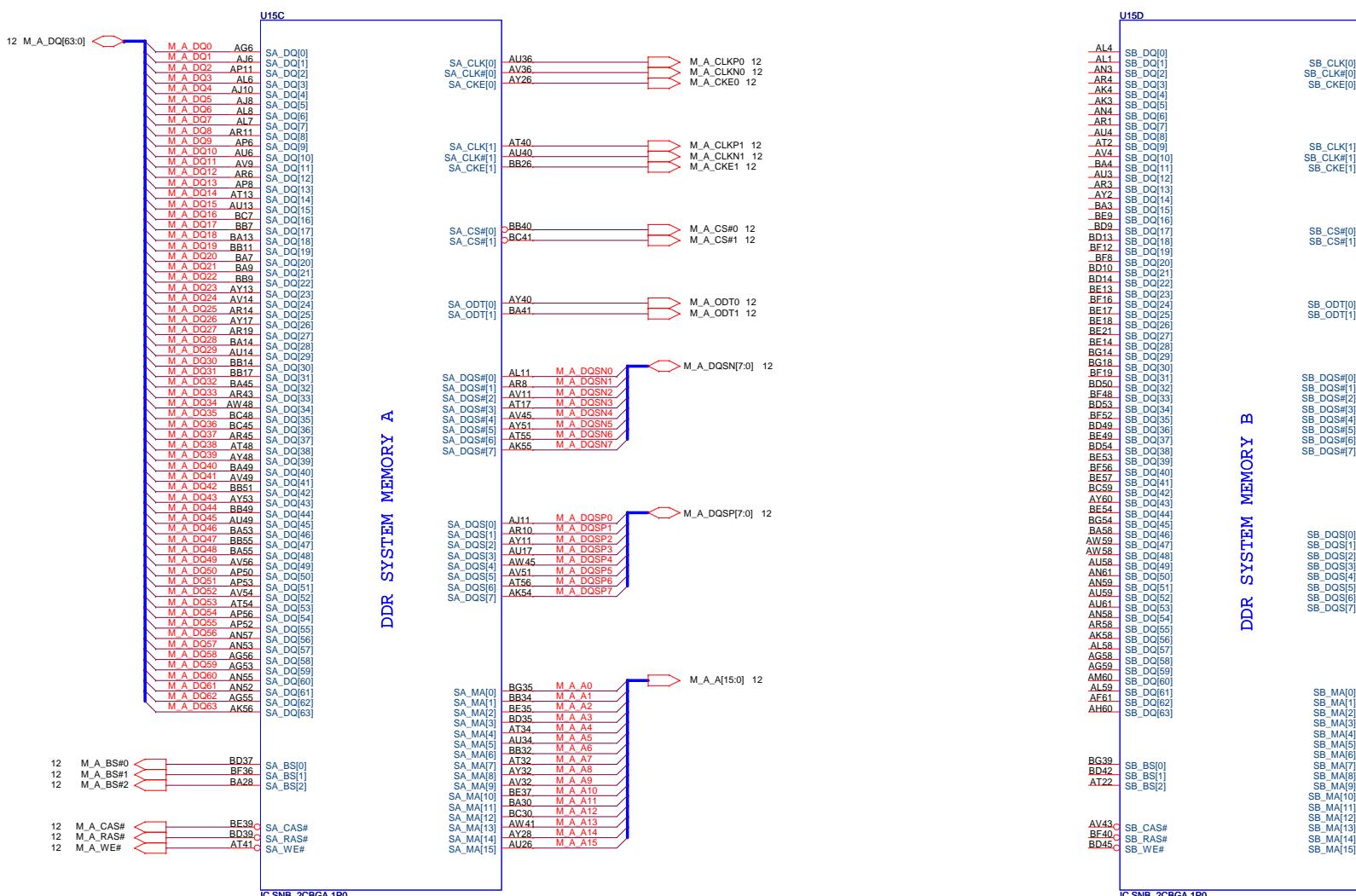
**PROJECT : Stella**  
Quanta Computer Inc.

Size	Document Number
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## Custom SNB 1/4 (PCIE&DMI)

Date: Thursday, September 08, 2011 Sh

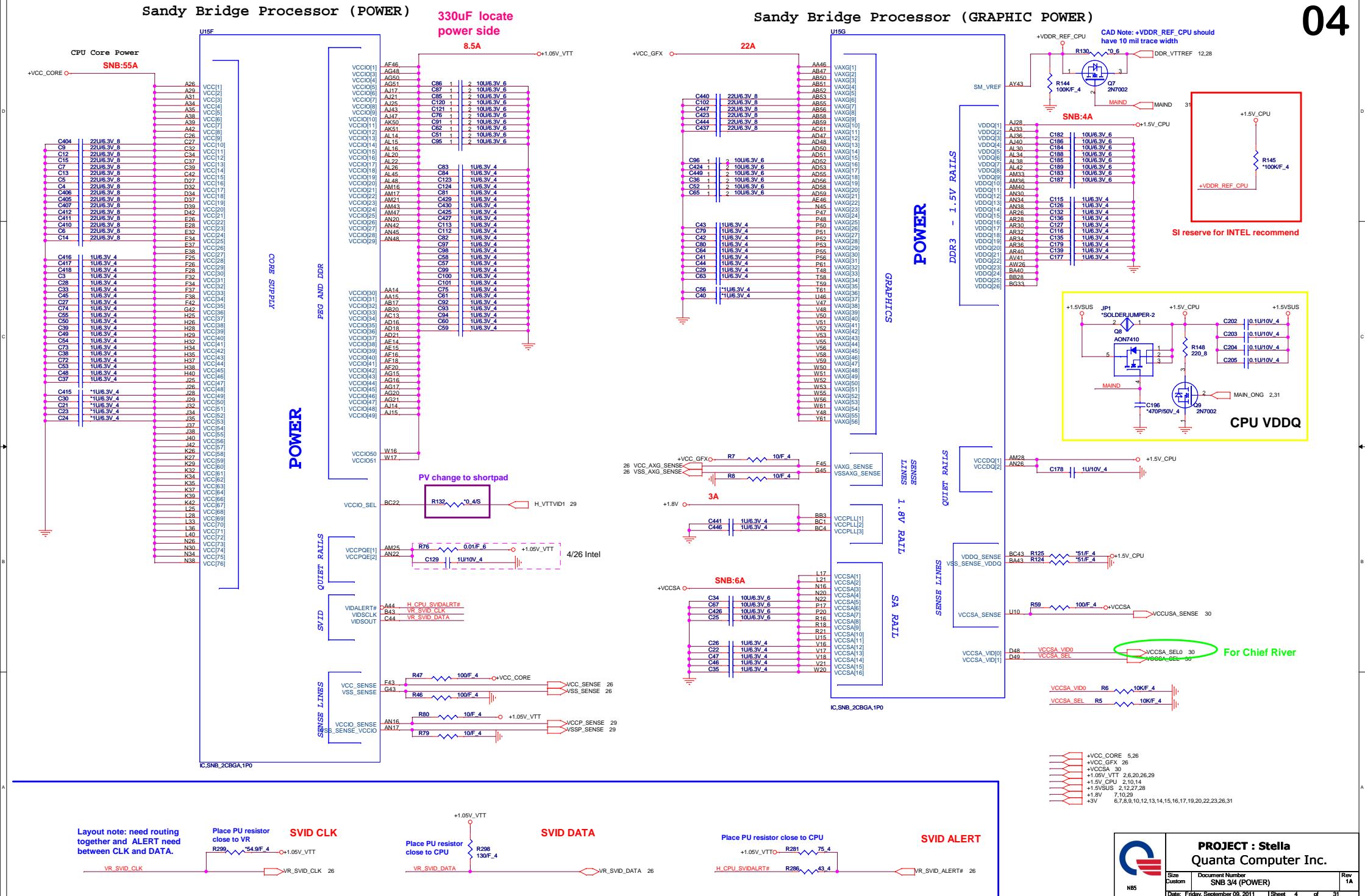
# Sandy Bridge Processor (DDR3)



PROJECT : Stella  
Quanta Computer Inc.

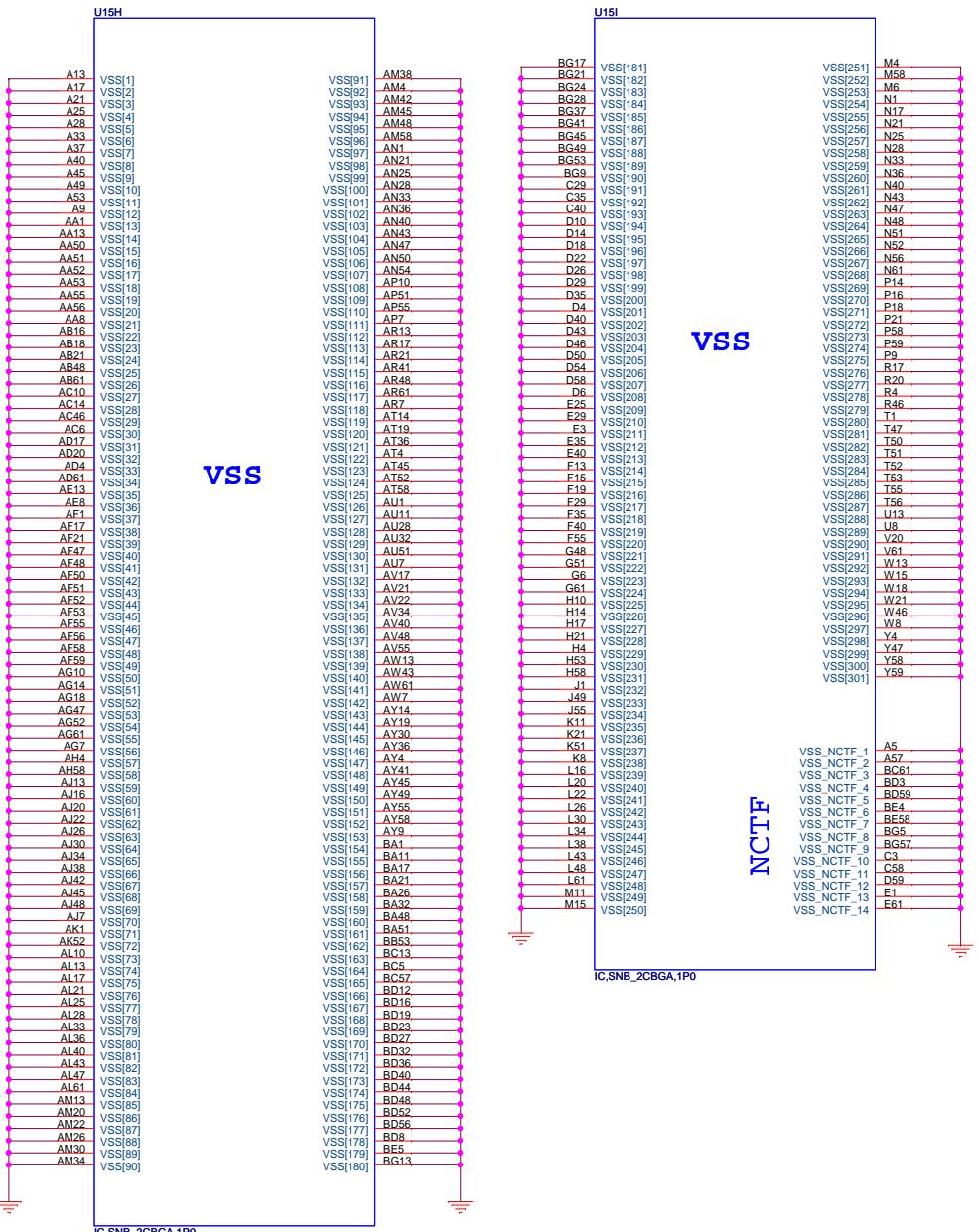
Size	Document Number	Rev
Custom	SNB 2/4 (DDR3 I/F)	1A

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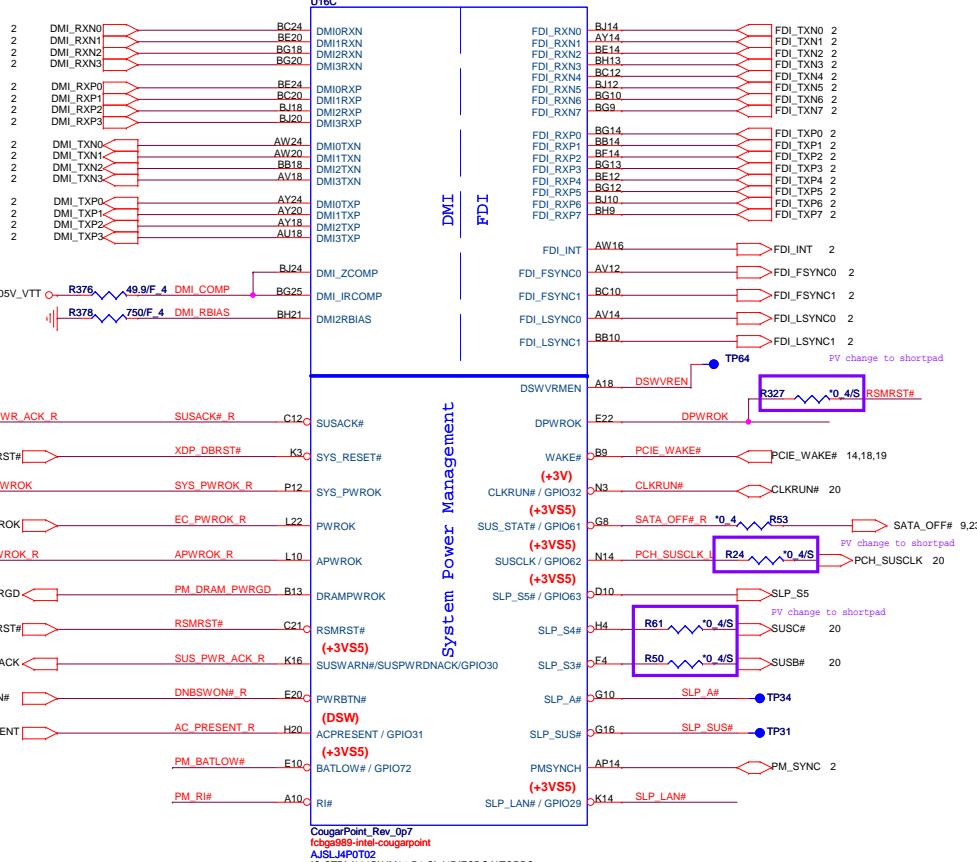


## Sandy Bridge Processor (RESERVED, CFG)

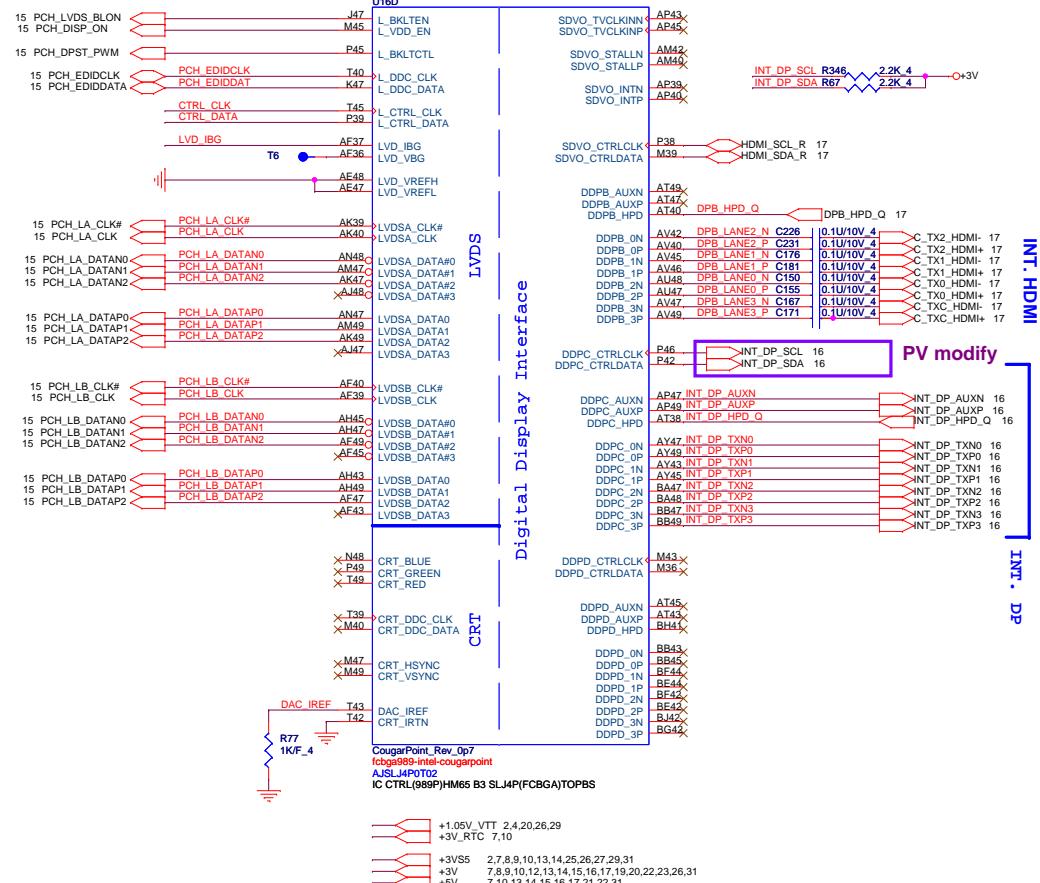
## Sandy Bridge Processor (GND)



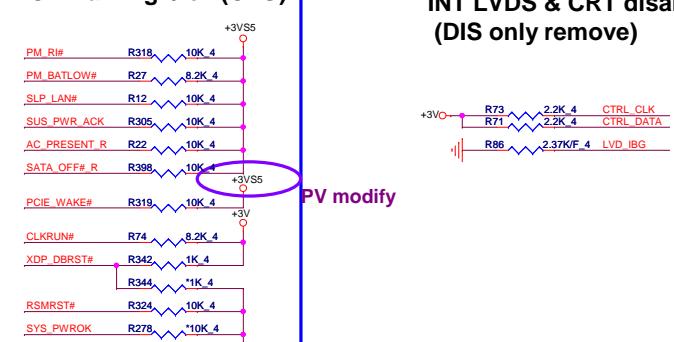
### Cougar Point (DMI, FDI, PM)



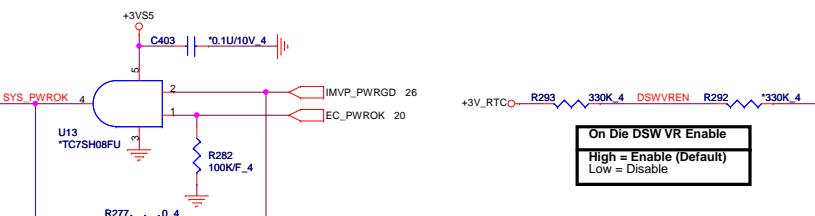
## Cougar Point (LVDS, DDI)



### PCH Pull-high/low(CLG)

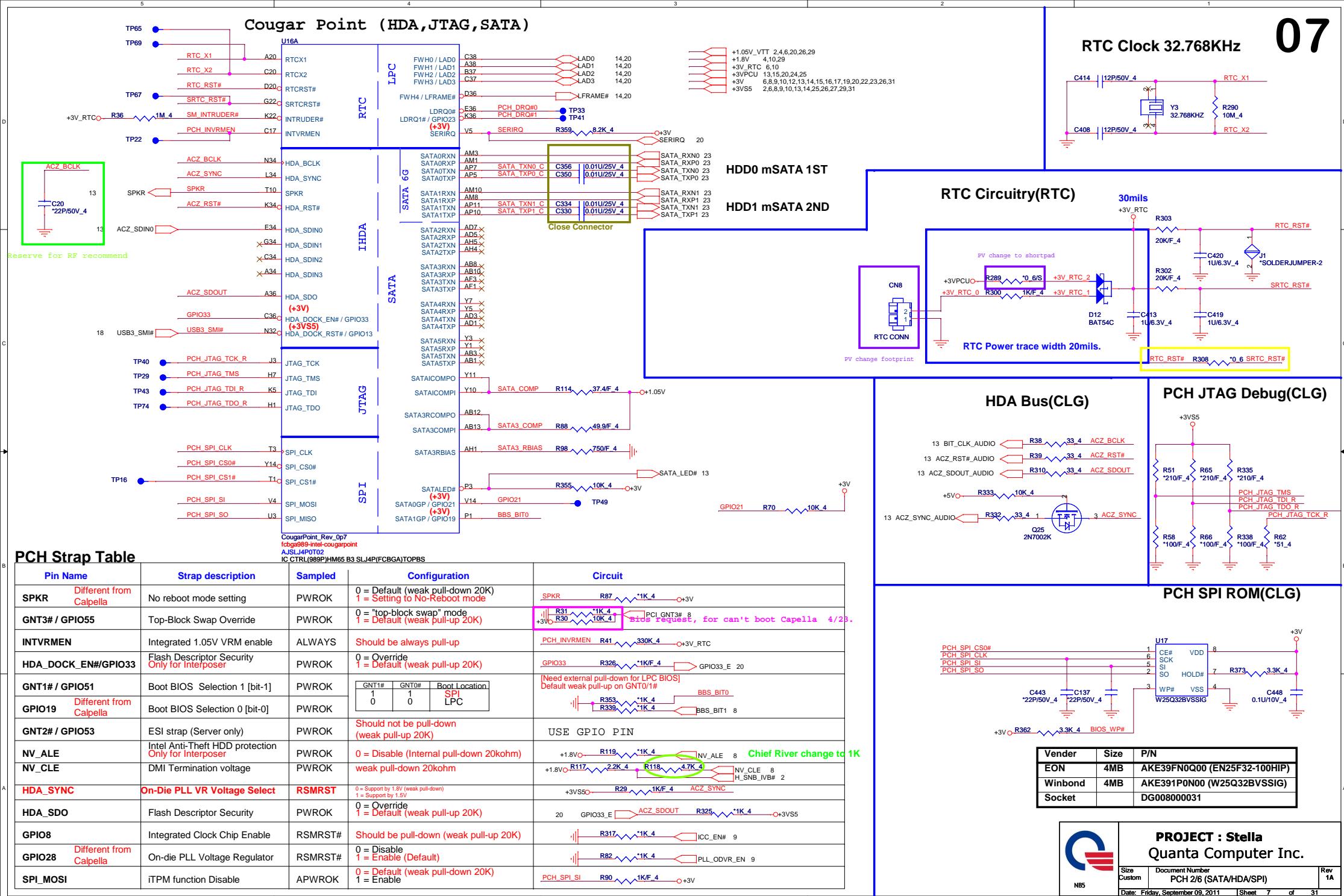


**INT LVDS & CRT disable  
(DIS only remove)**

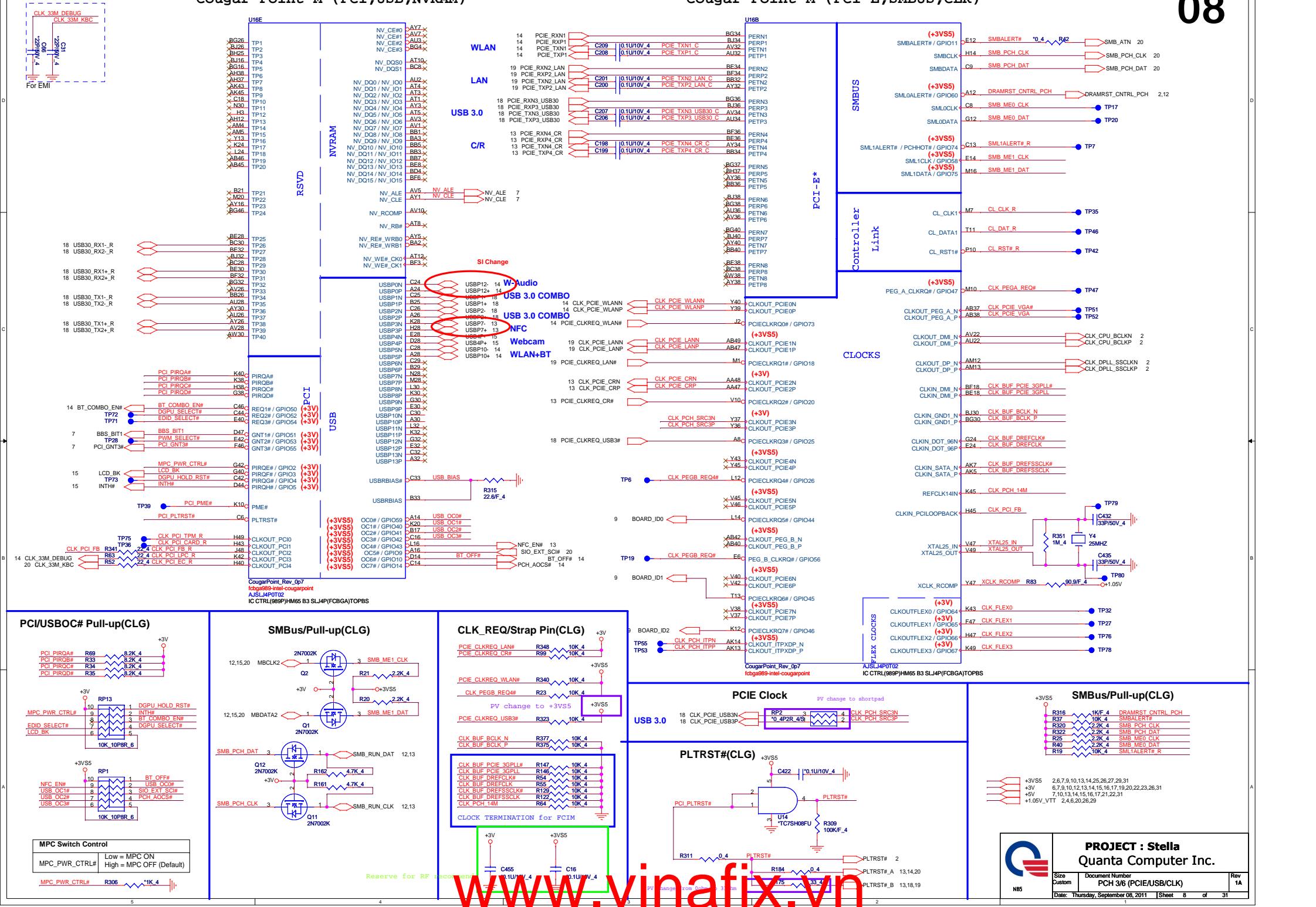


**PROJECT : Stella**

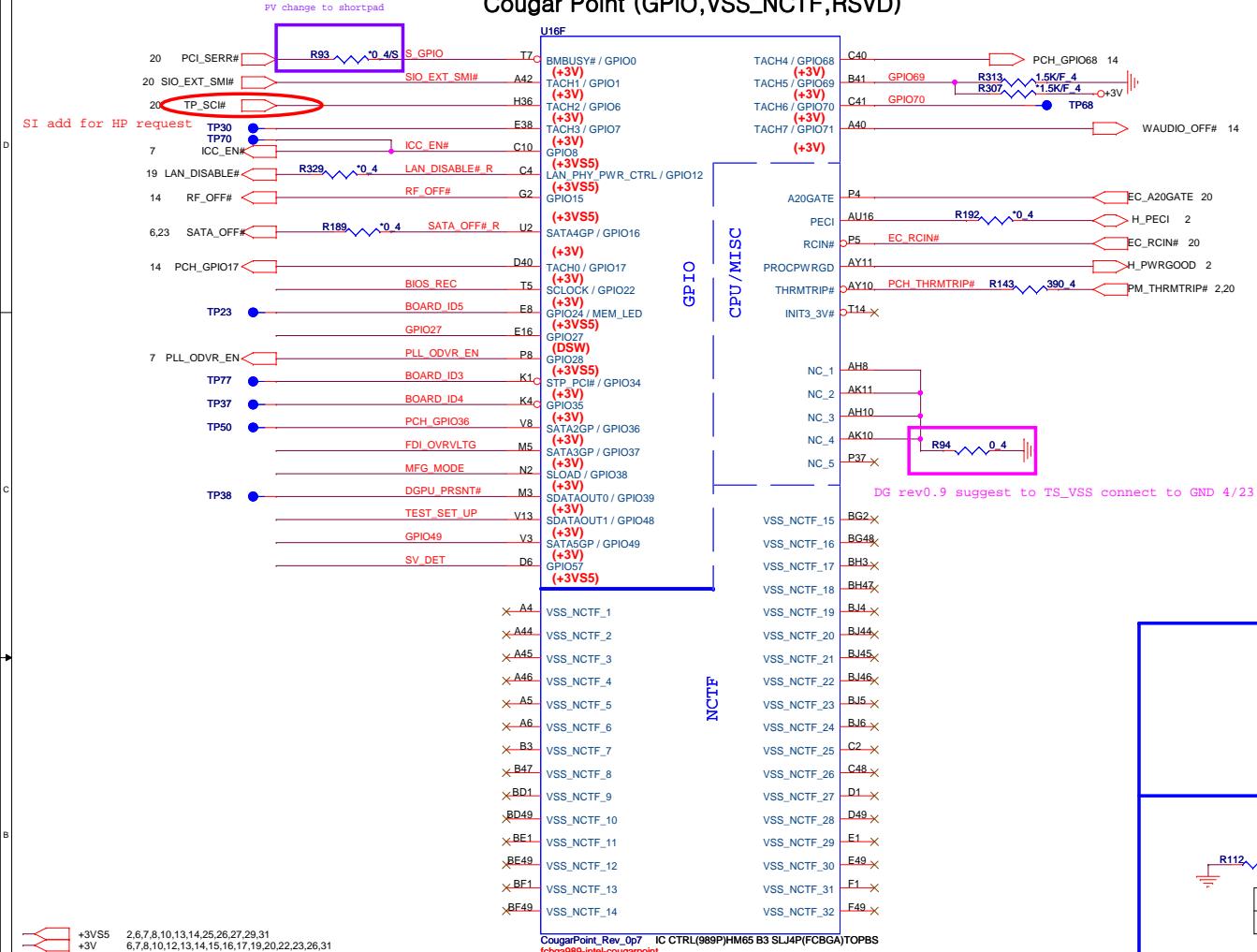
Quanta Computer Inc.  
Document Number PCH 1/6 (DMI/FDI/VIDEO) Rev 1A  
Date: Thursday, September 08, 2011 | Sheet 6 of 21



## Cougar Point-M (PCI-E,SMBUS,CLK)

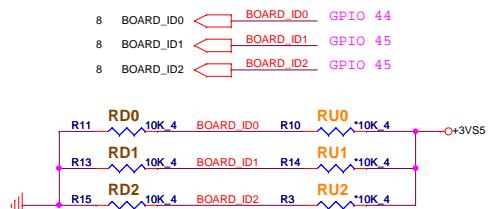


## Cougar Point (GPIO,VSS\_NCTF,RSVD)



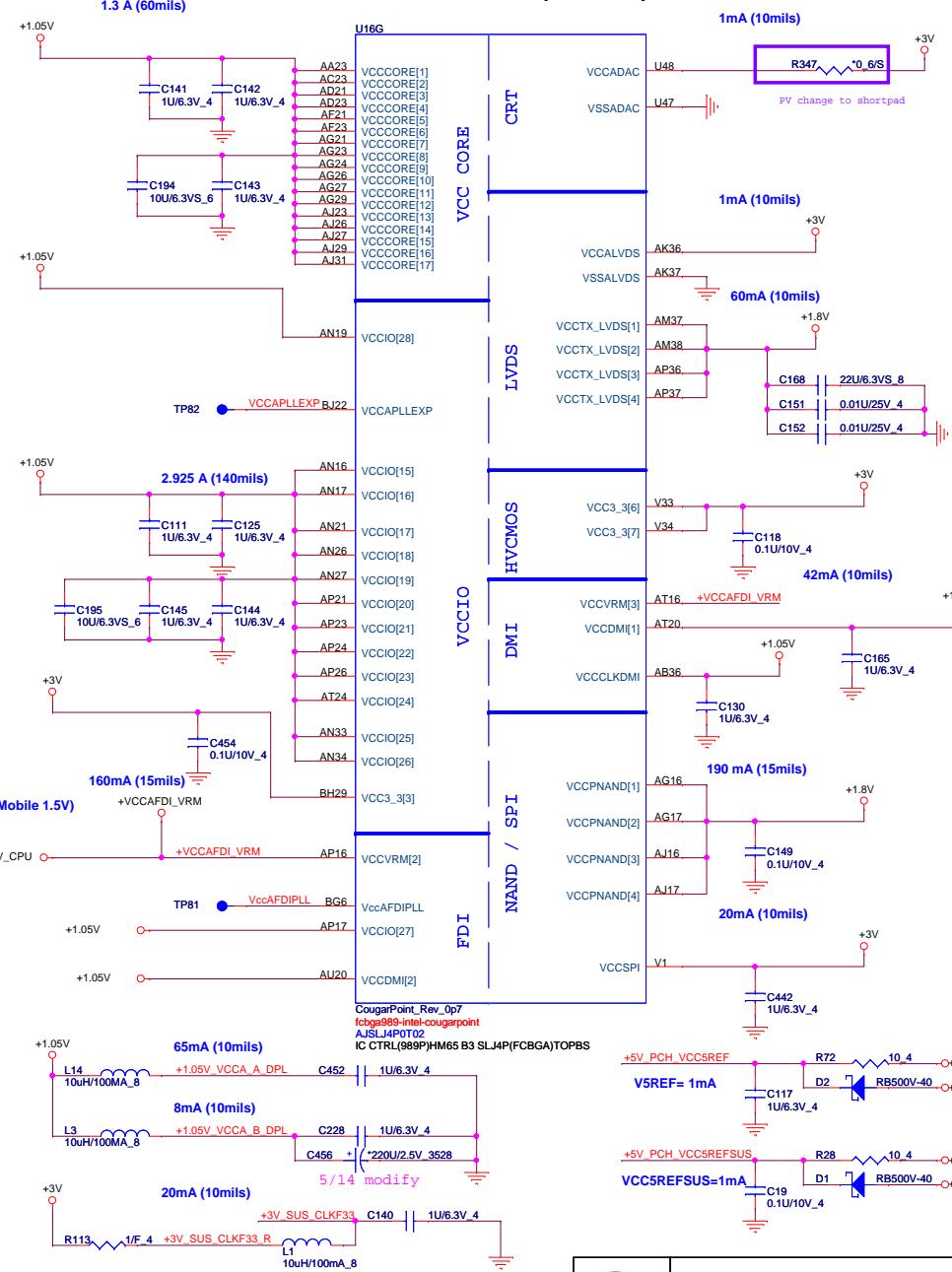
## BOARD ID SETTING

BOARD ID SETTING	BOARD_ID0 GPIO 44	BOARD_ID1 GPIO 45	BOARD_ID2 GPIO 46
HR	0	0	0

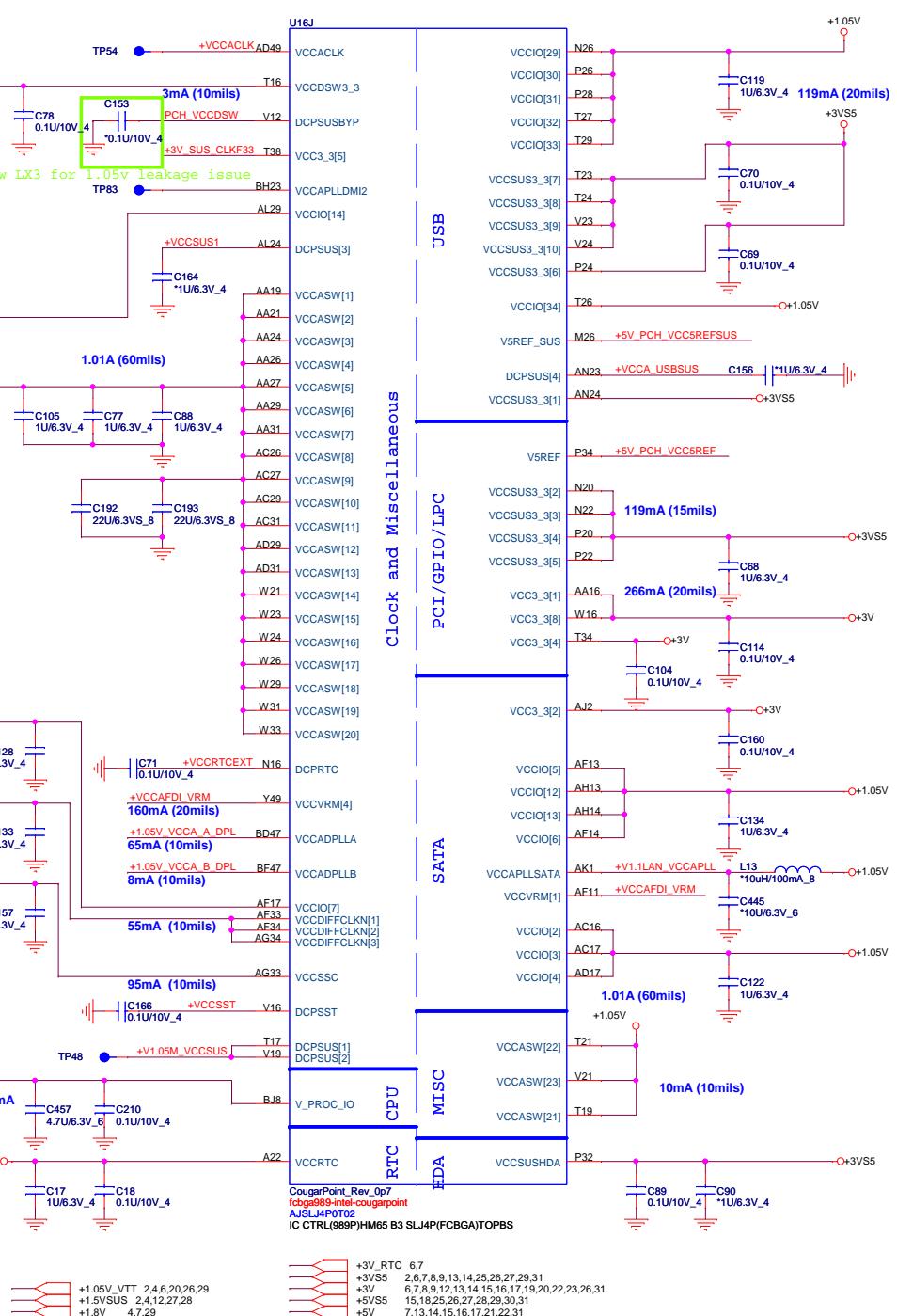


Size: Custom Document Number: PCH 4/6 (GPIO/MISC)  
Rev: 1A  
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## COUGAR POINT (POWER)

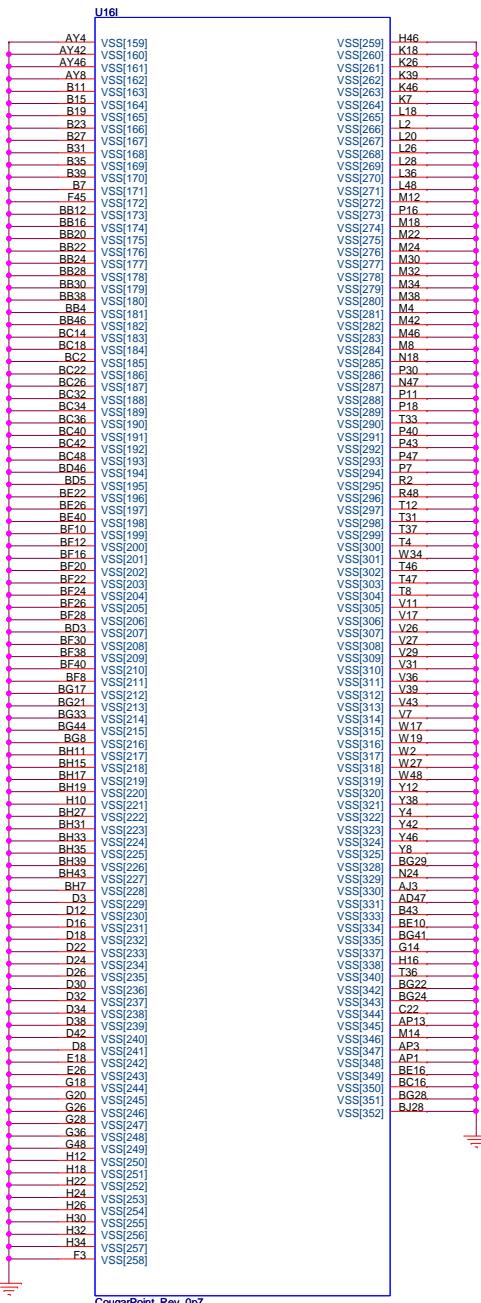


## Cougar Point-M (POWER)

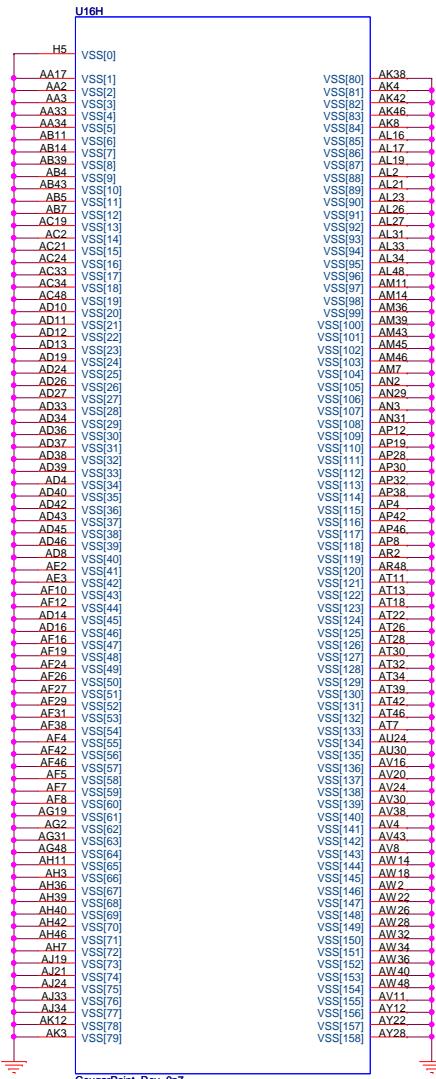


PROJECT : Stella Quanta Computer Inc.		
Size Custom	Document Number PCH 5/6 (POWER)	Rev 1A
Date: Friday, September 09, 2011	Sheet 10 of 31	1

**IBEX PEAK-M (GND)**

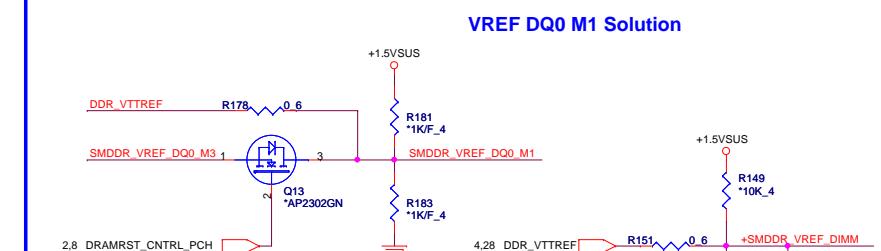
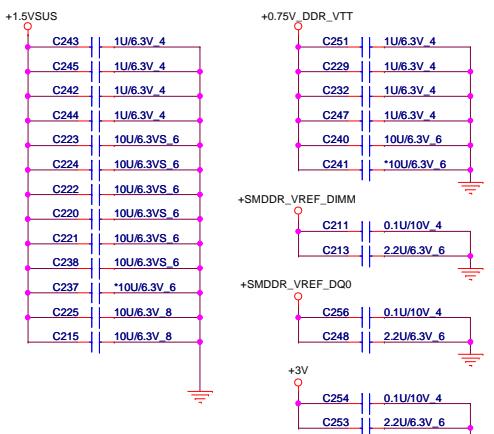
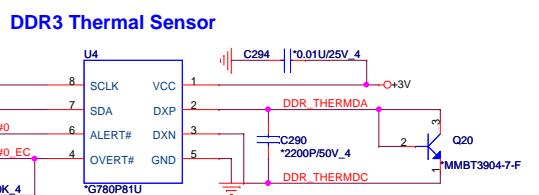
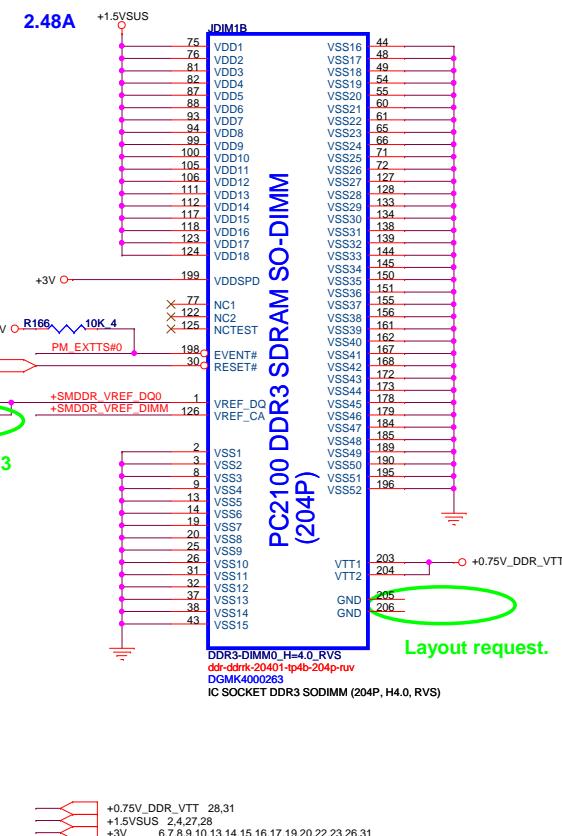
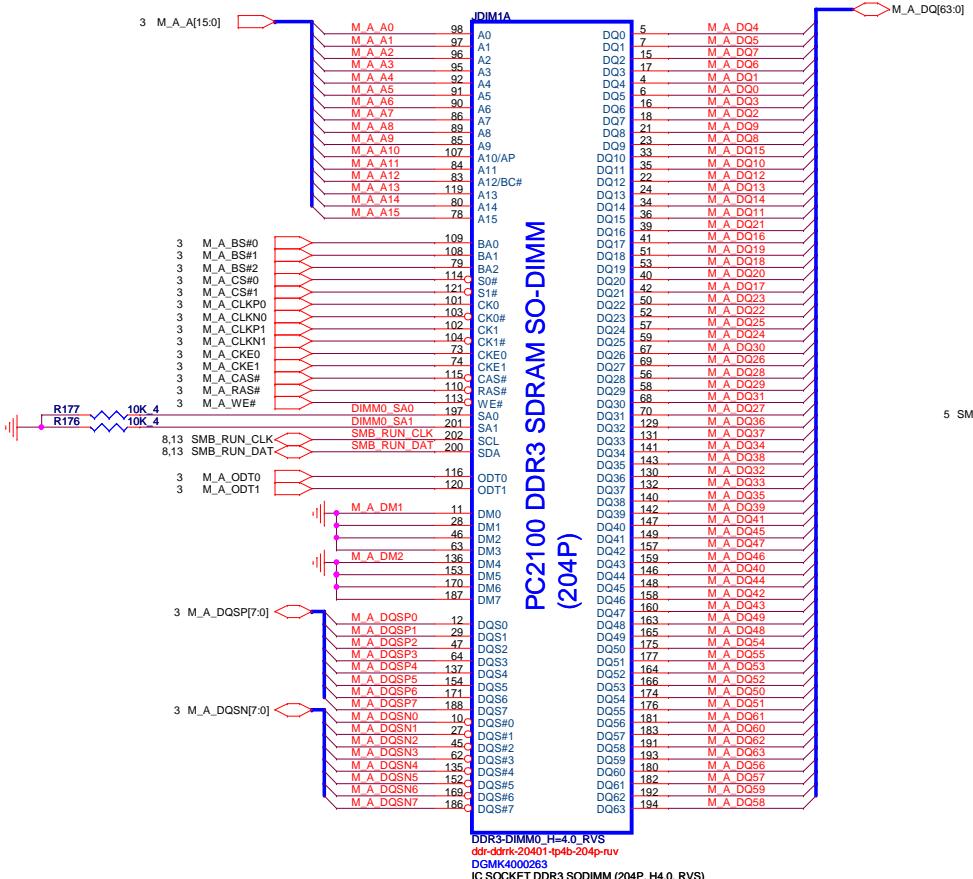


**IBEX PEAK-M (GND)**



**PROJECT : Stella**  
Quanta Computer Inc.

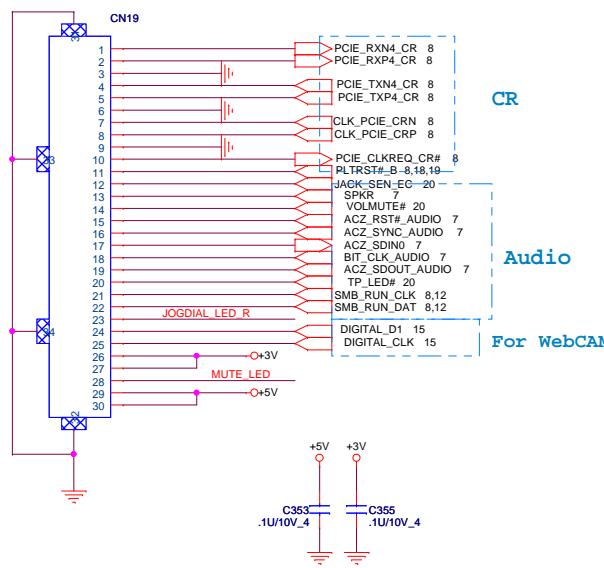
Date: Thursday, September 08, 2011 Sheet 11 of 31



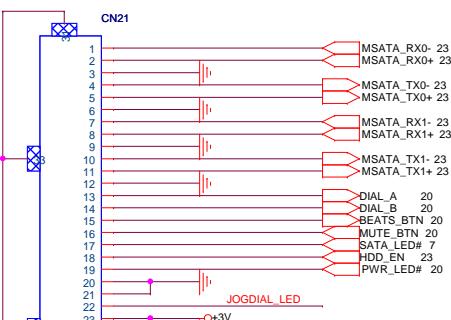
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Quanta Computer Inc.

Document Number  
**DDR3 DIMM0-STD (5.2H)**

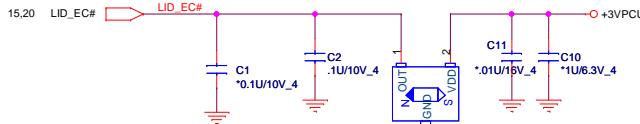
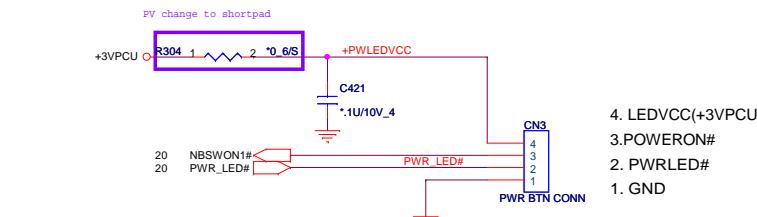
### FOR AUDIO/CR



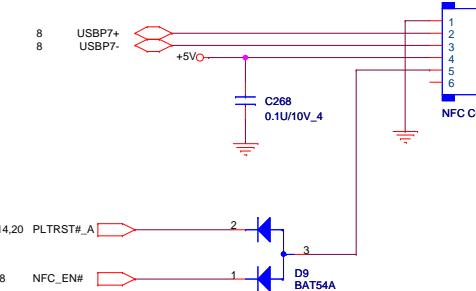
### FOR mSATA



### POWER BUTTON



### NFC



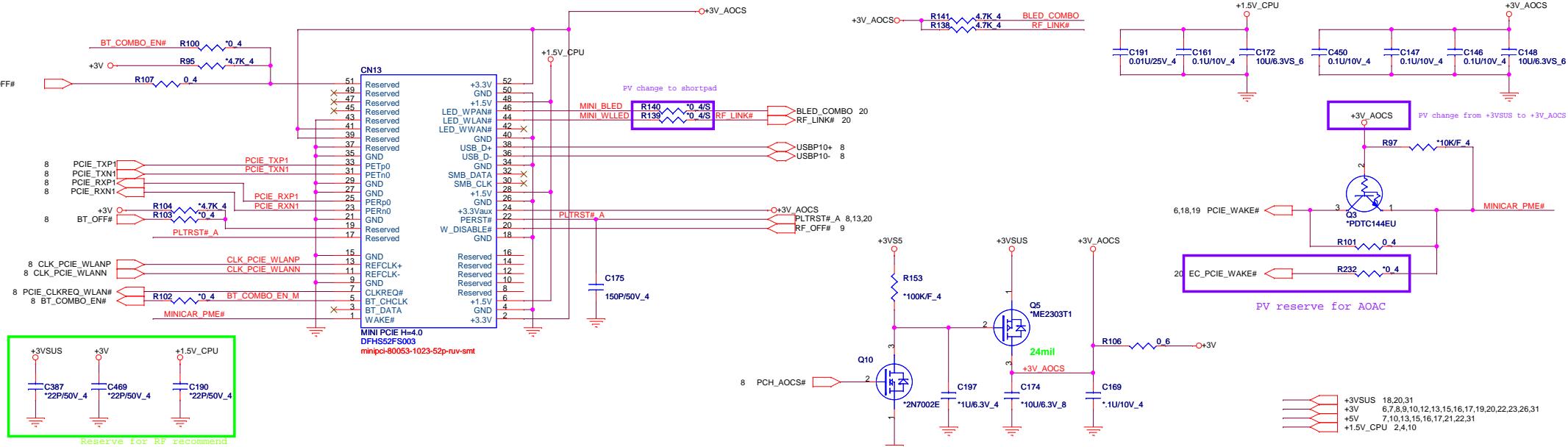
**PROJECT : Stella**  
**Quanta Computer Inc.**

Size	Document Number	Rev
Custom	BTB/PB Connectors	1A

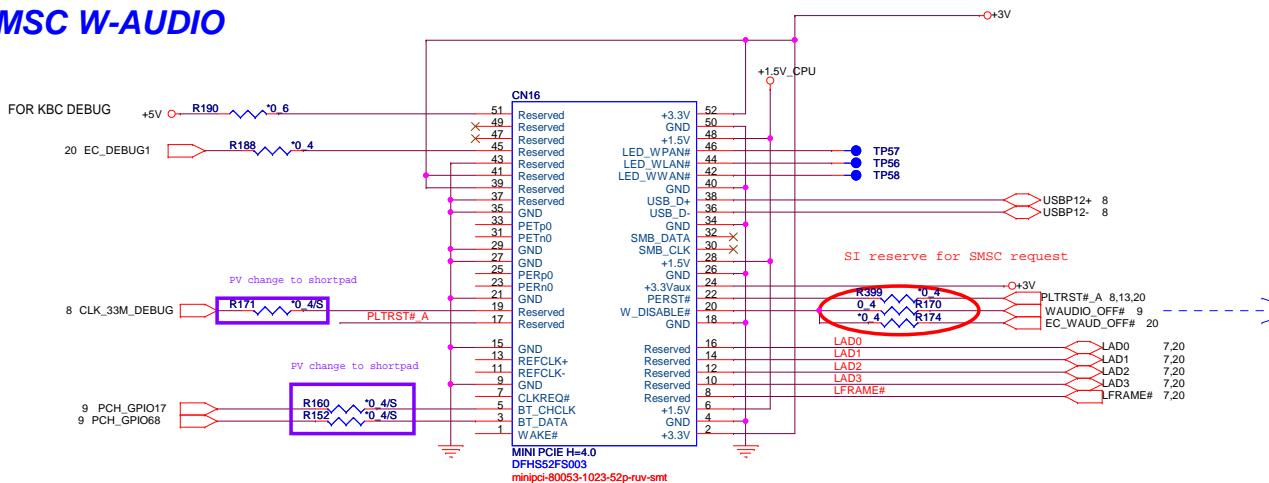
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# Mini PCI-E Card 1 WLAN+BT



# Mini PCI-E Card 1 SMSC W-AUDIO



LOW	DISABLE
HIGH	ENABLE

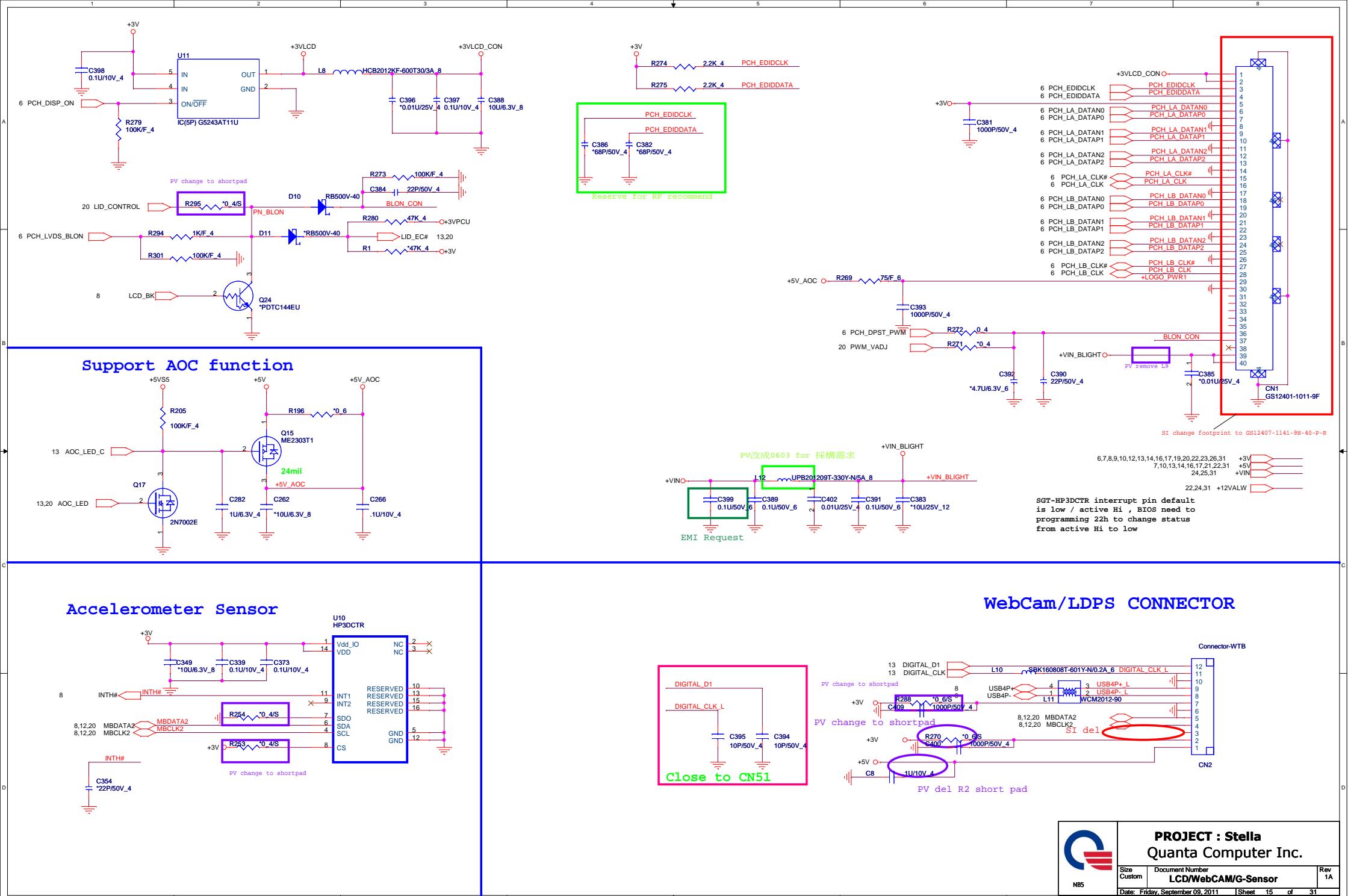
+3VSUS 18.20.31  
+3V 6.7.8.9.10.12.13.15.16.17.19.20.22.23.26.31  
+5V 7.10.13.15.16.17.21.22.31  
+1.5V\_CPU 2.4.10



PROJECT : Stella  
Quanta Computer Inc.

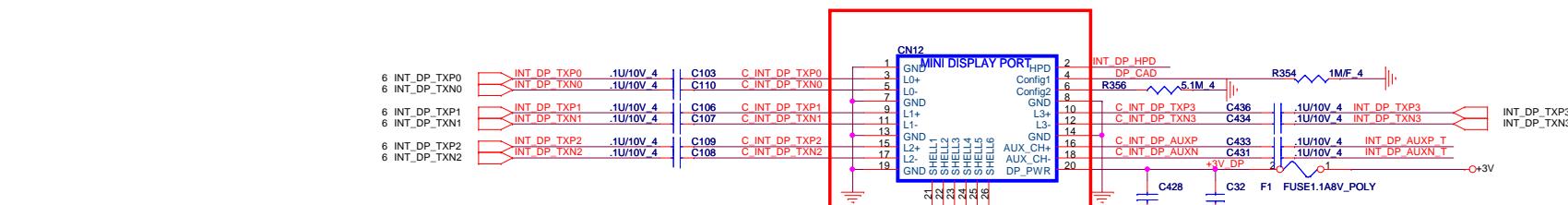
Size Custom	Document Number MINI PCIE CONN	Rev 1A
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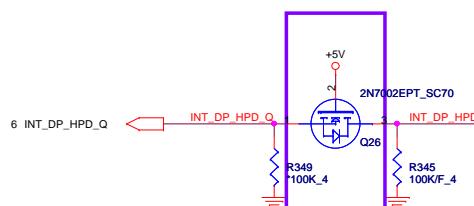


+5V  
+3V  
7.10,13,14,15,17,21,22,31  
6,7,8,9,10,12,13,14,15,17,19,20,22,23,26,31

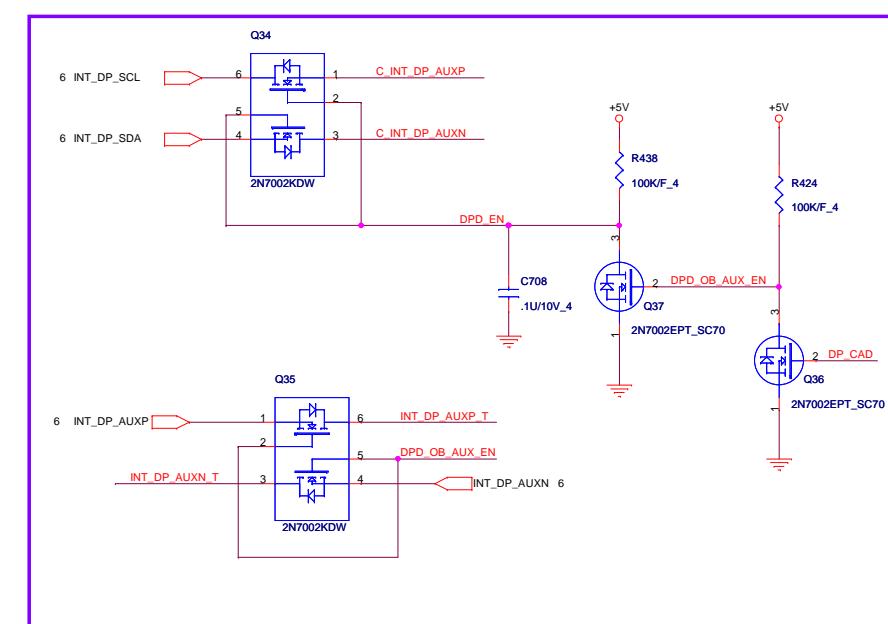
## Mini Display



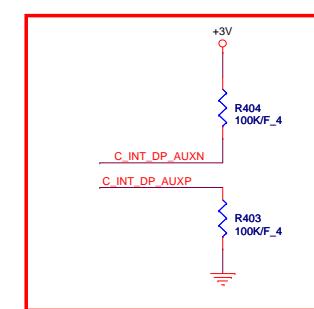
SI change footprint



PV change footprint to SC70



PV add for mini-display to HDMI dongle support



SI add for intel recommend

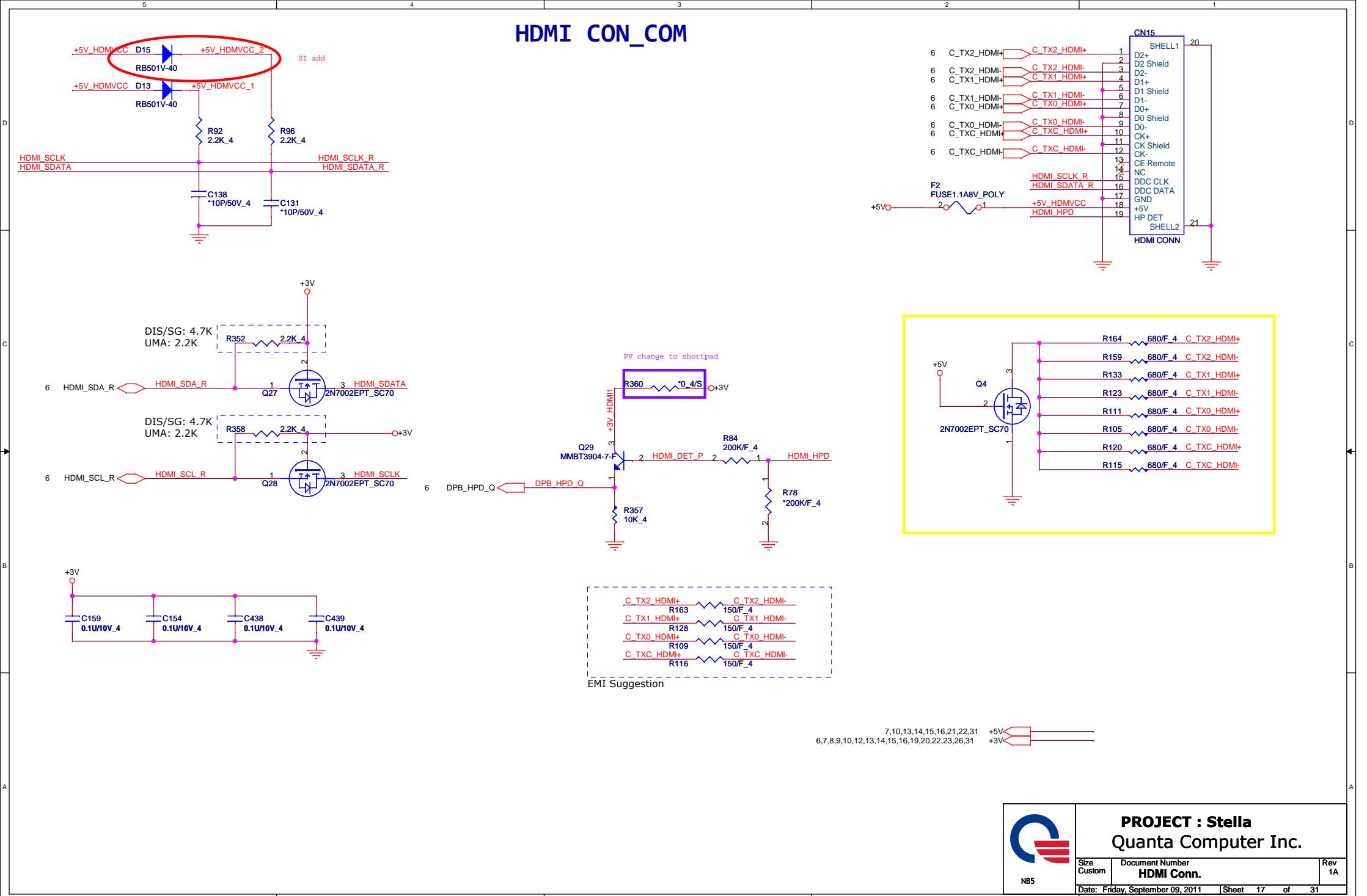


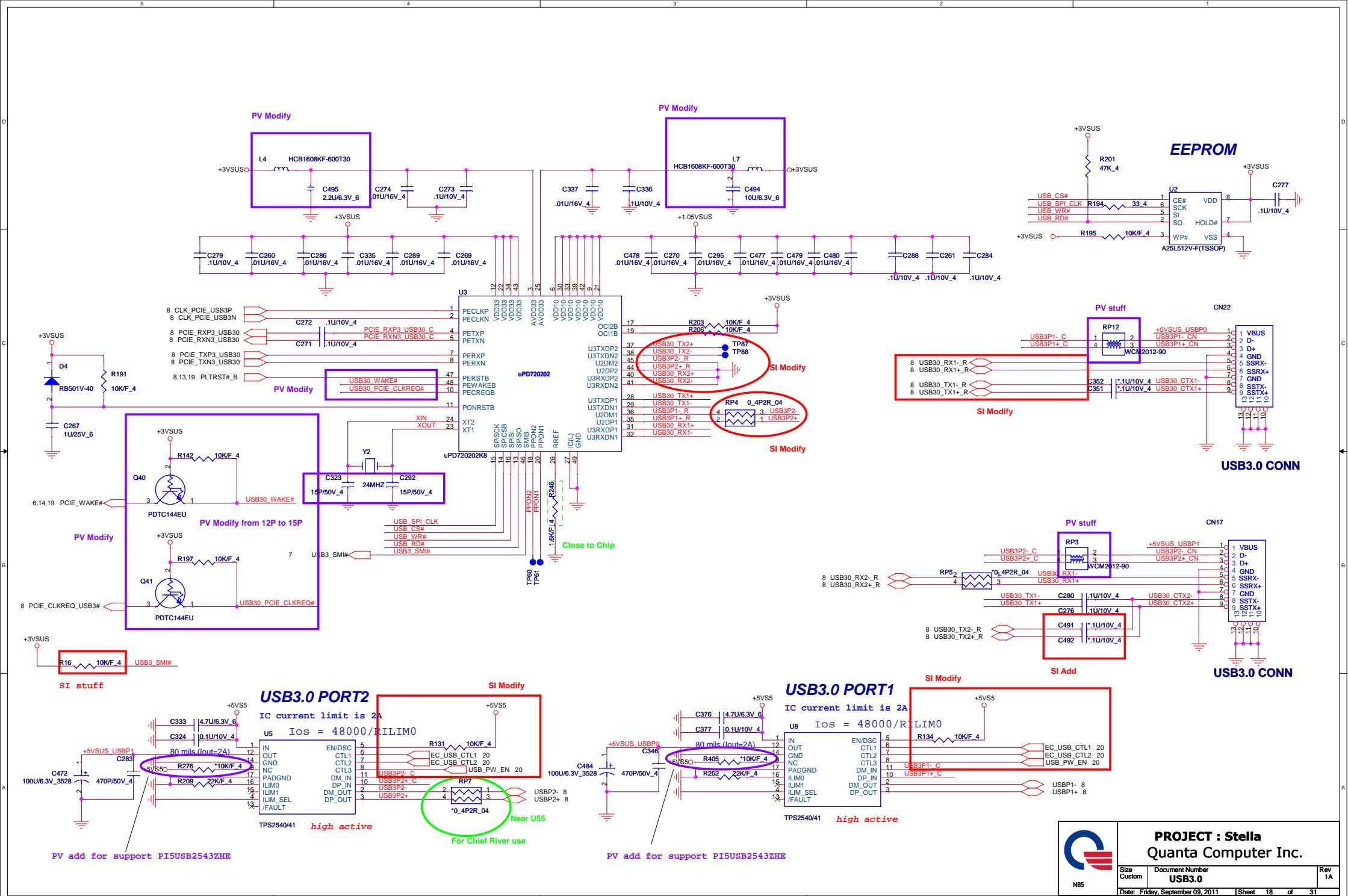
PROJECT : Stella  
Quanta Computer Inc.

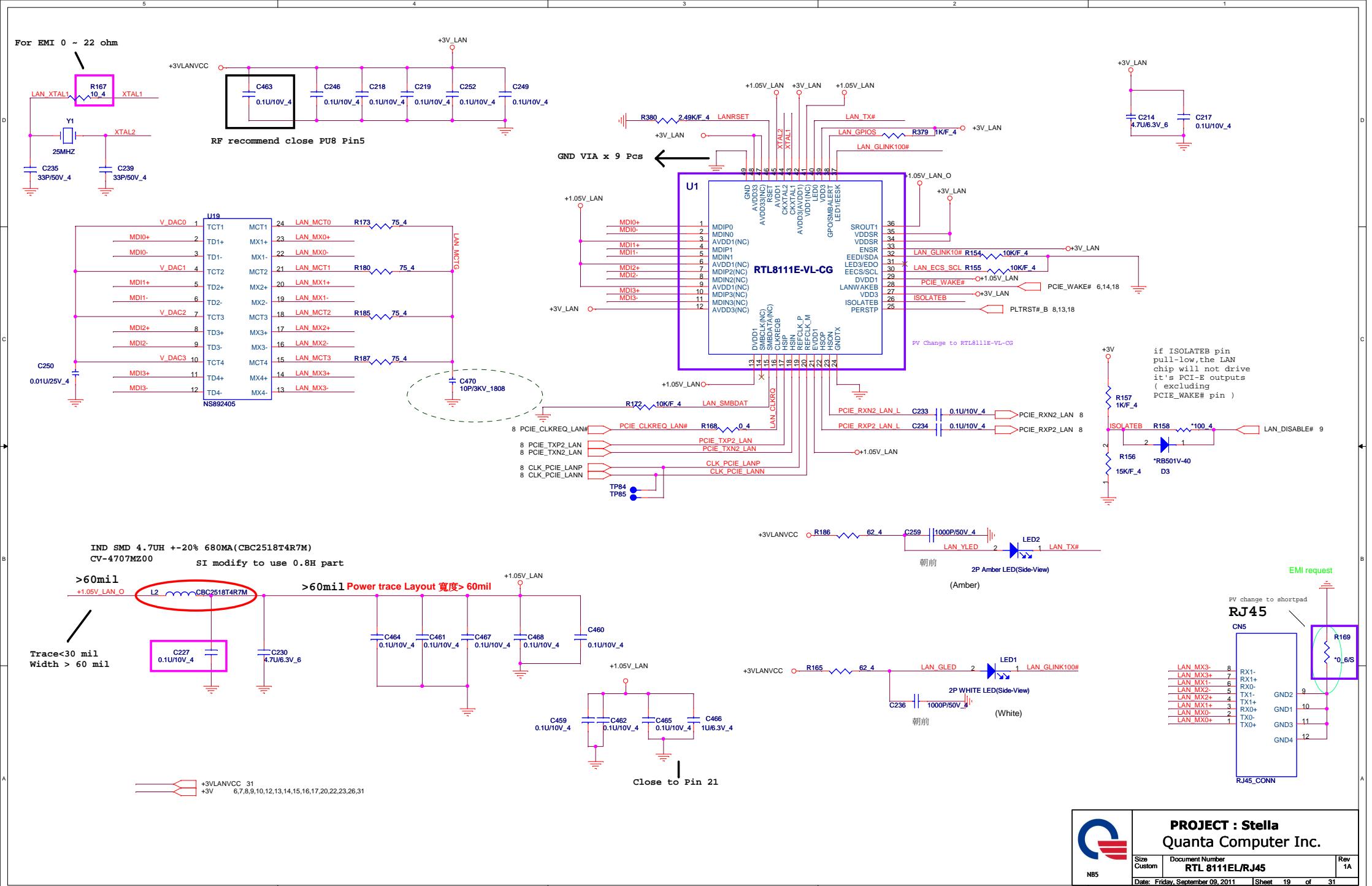
Size	Document Number	Rev
Custom	MiniDisplay Conn.	1A

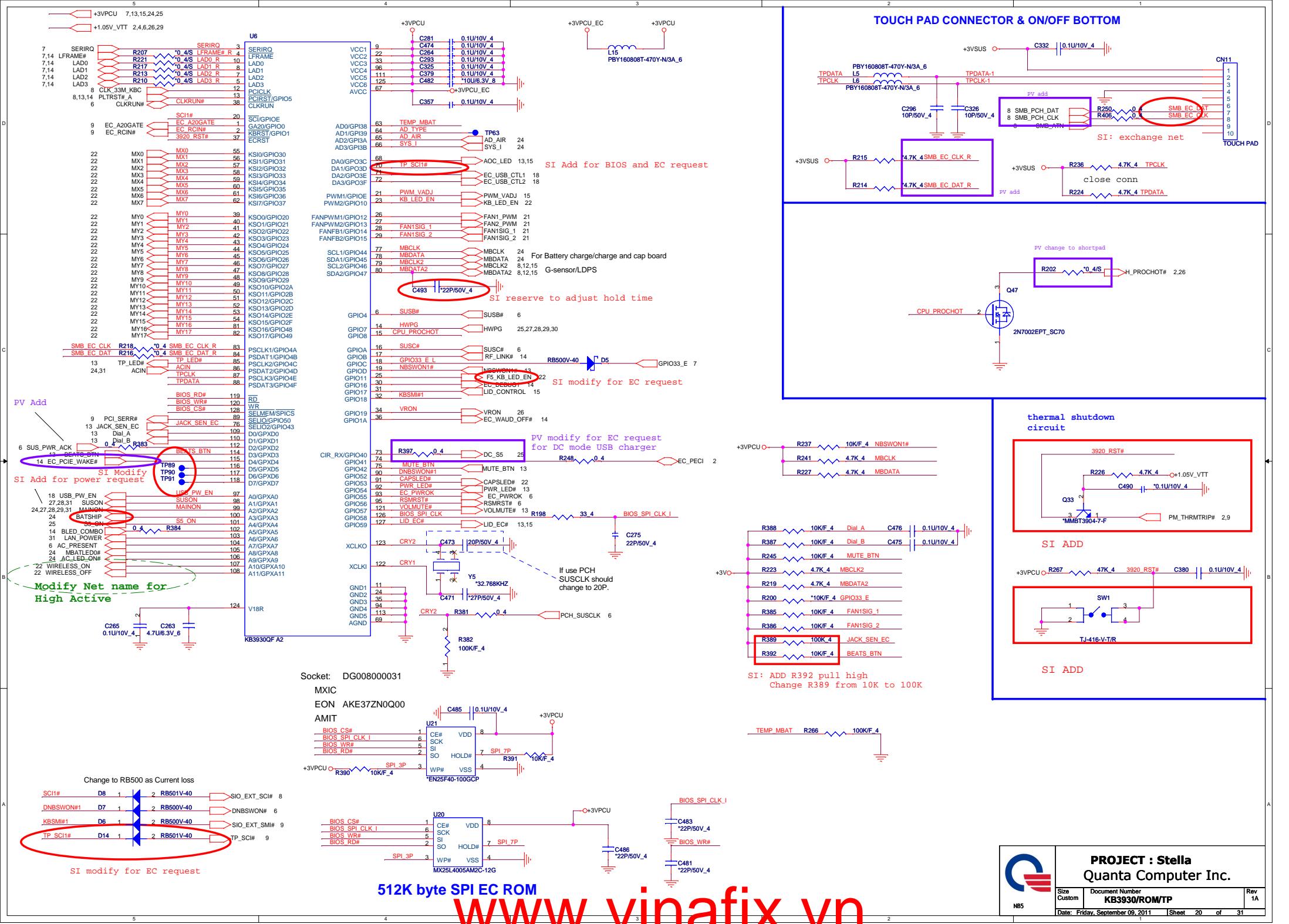
Date: Thursday, September 08, 2011 | Sheet 16 of 31

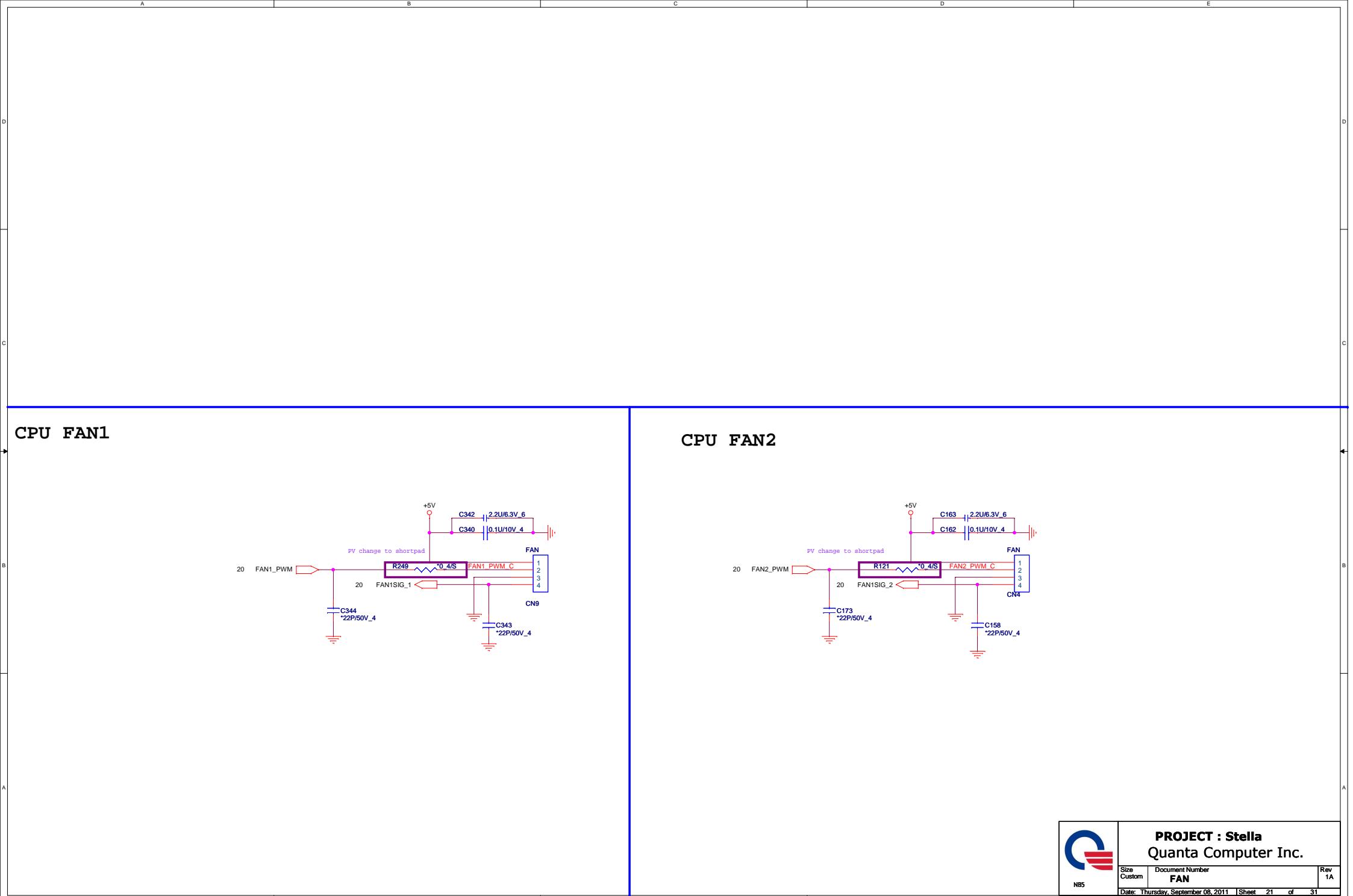
# HDMI CON\_COM





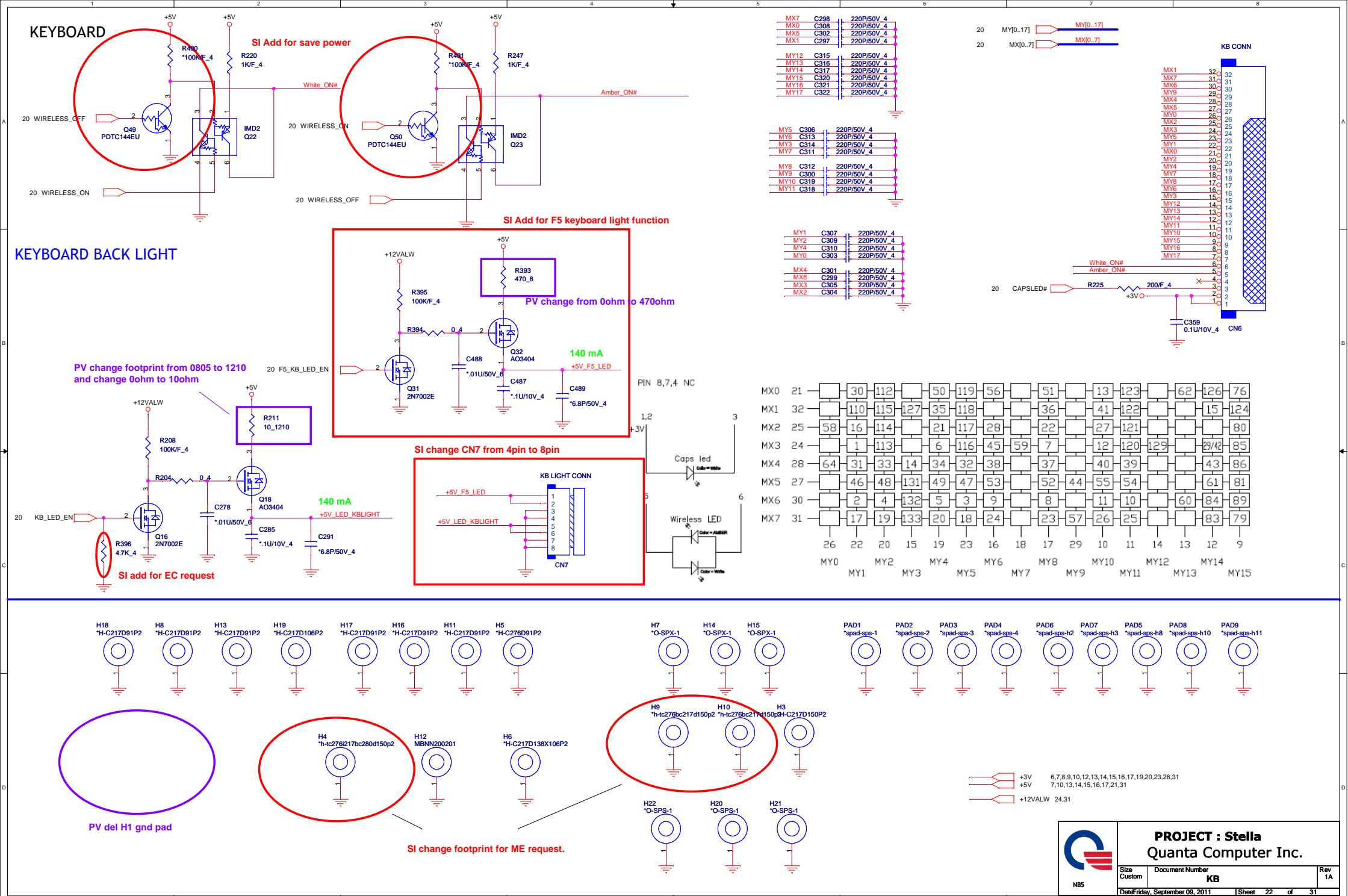




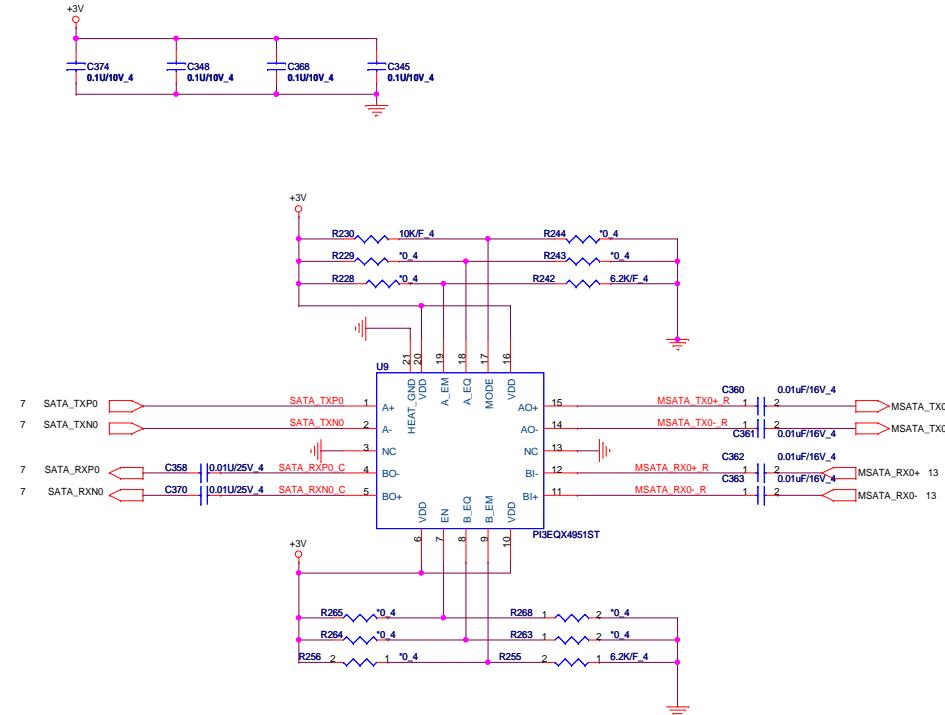


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Quanta Computer Inc.

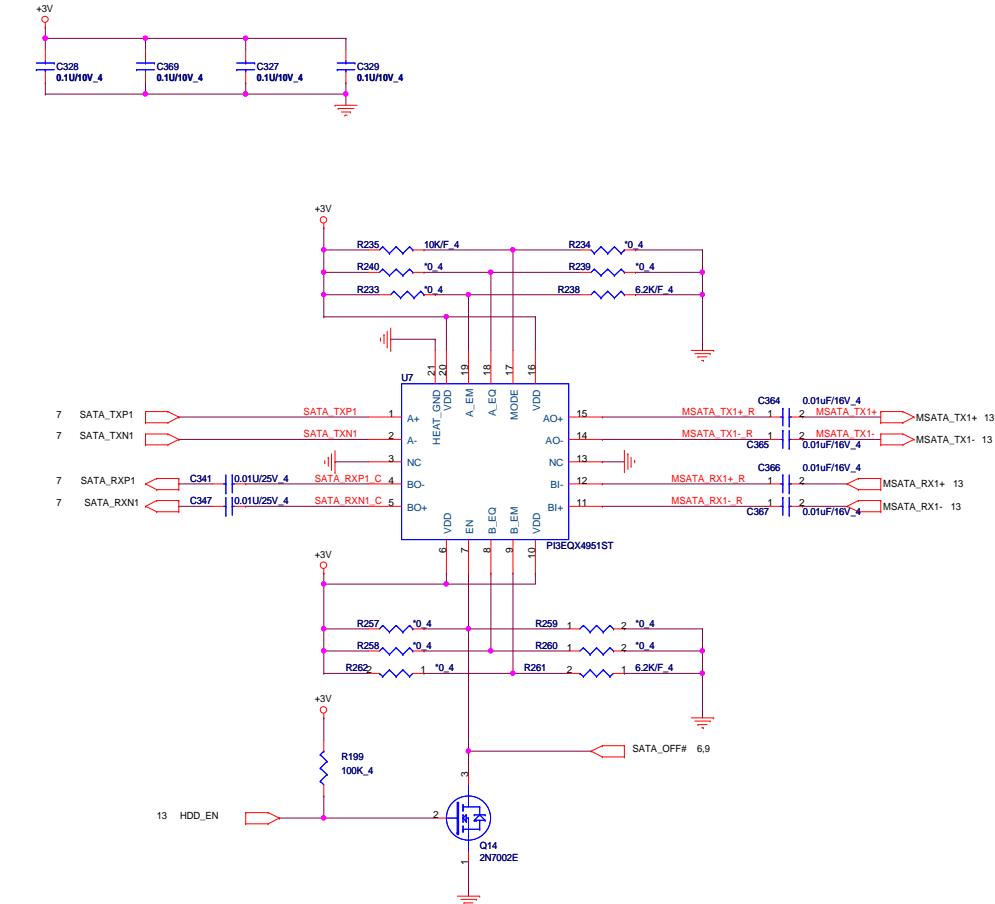
Size Custom	Document Number <b>FAN</b>	Rev 1A
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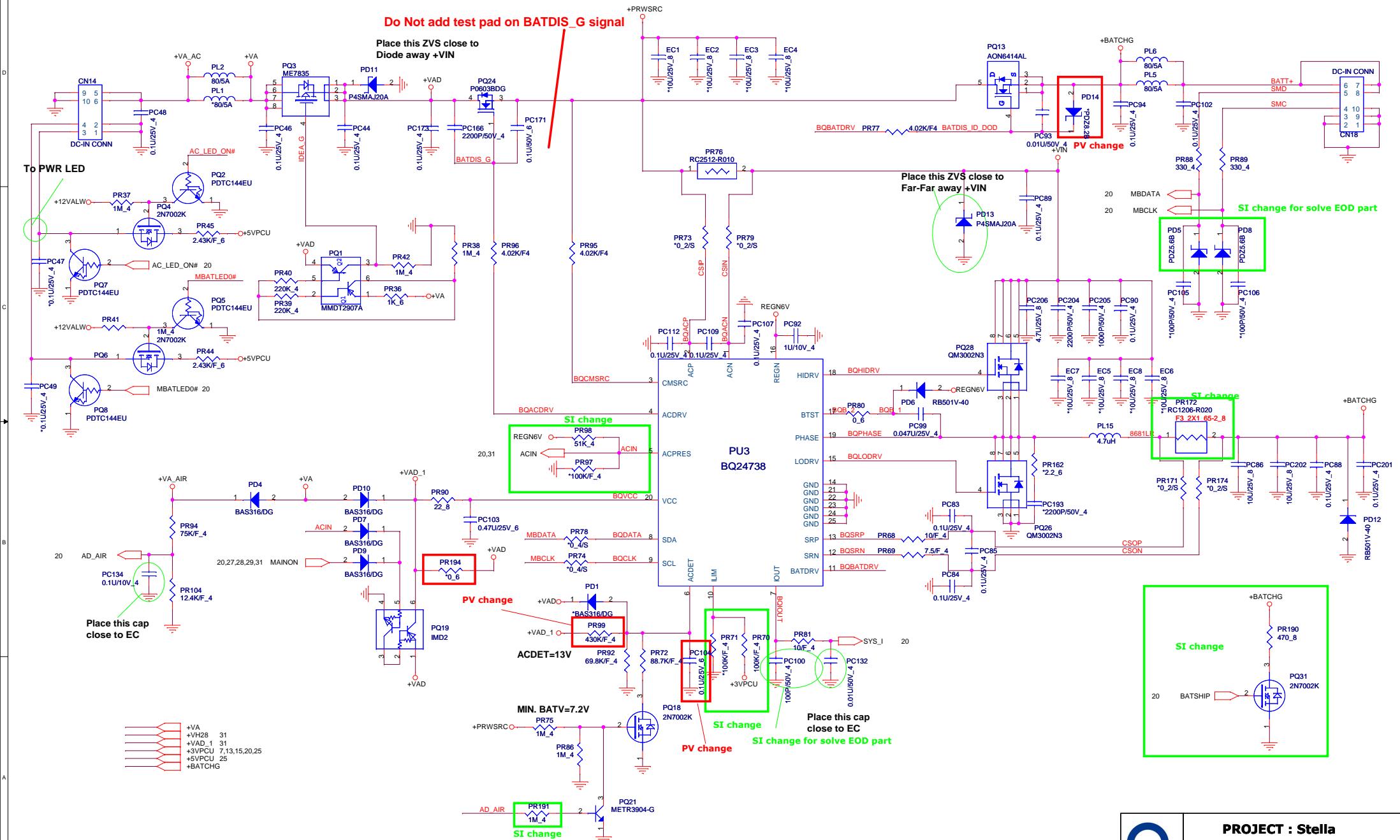
## A HDD0 mSATA 1ST

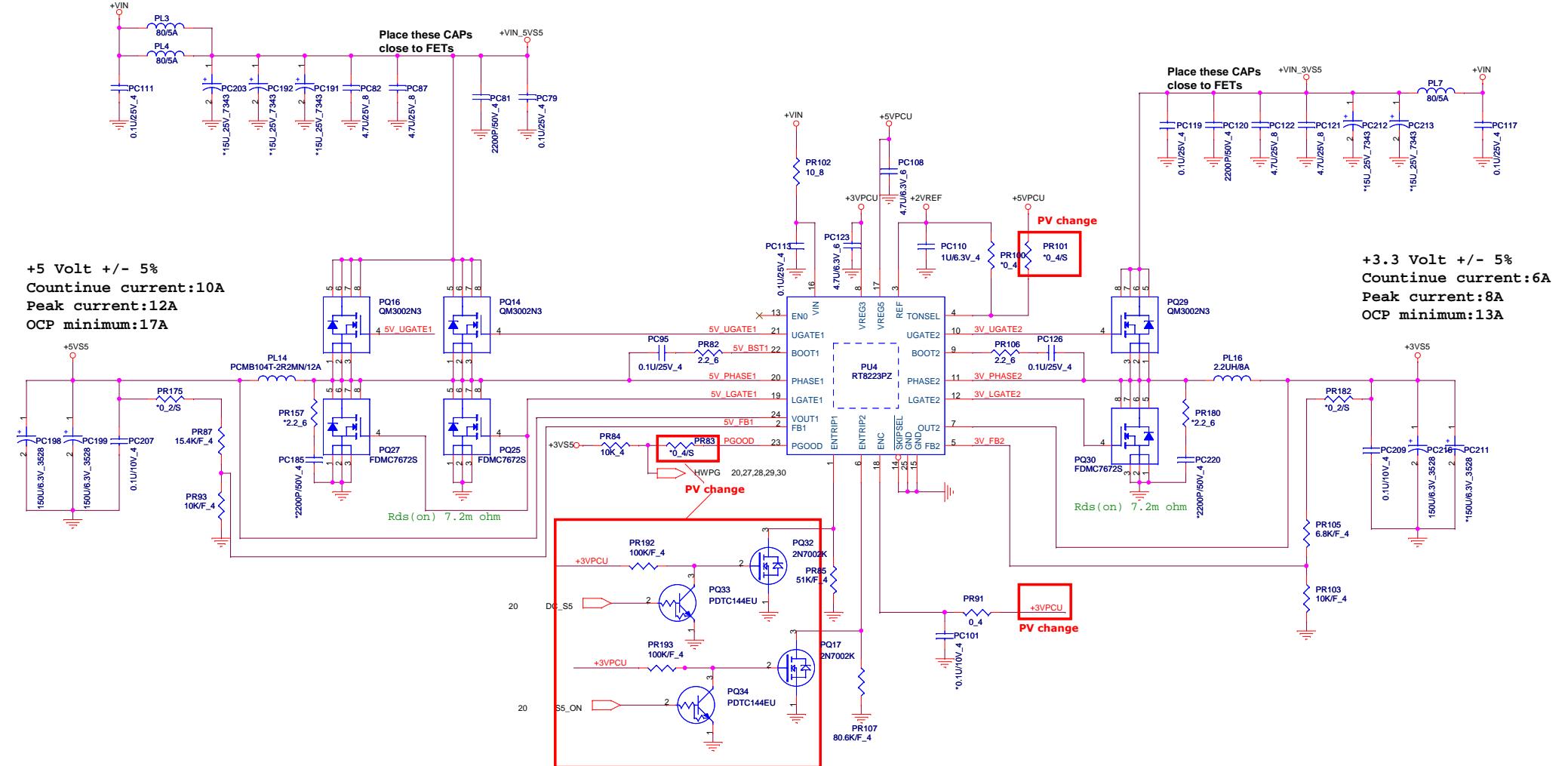


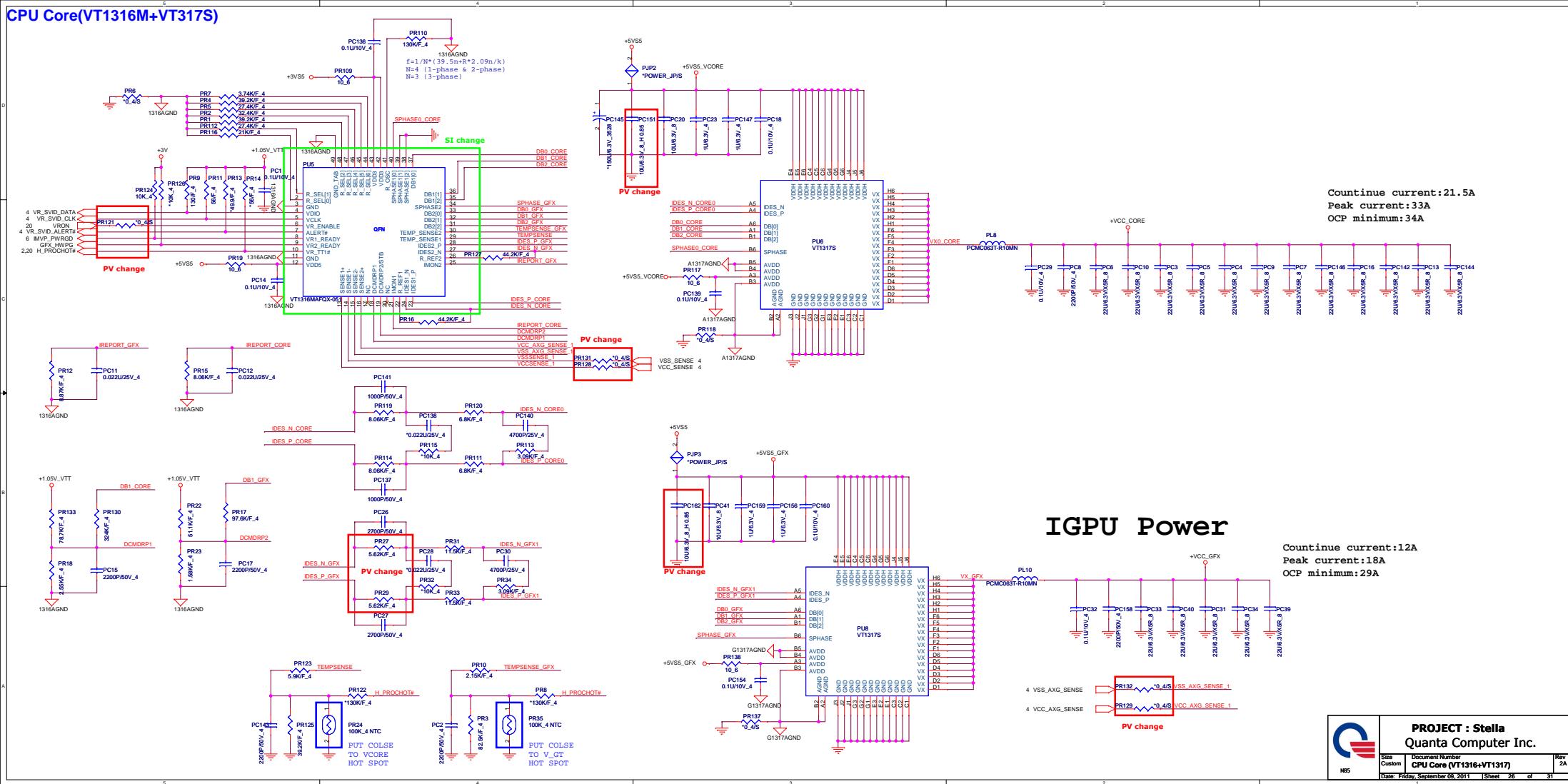
## C HDD1 mSATA 2ND



	PROJECT : Stella		
Quanta Computer Inc.			
N85	Size Custom	Document Number Azalia 92HD80	Rev 1A
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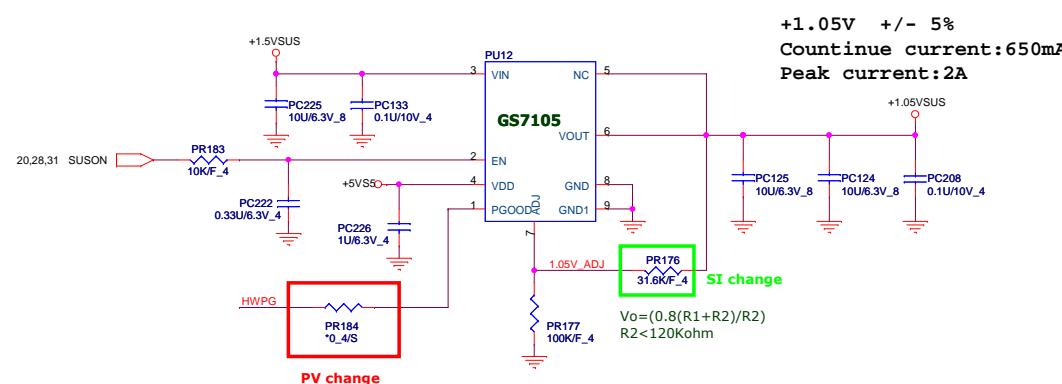
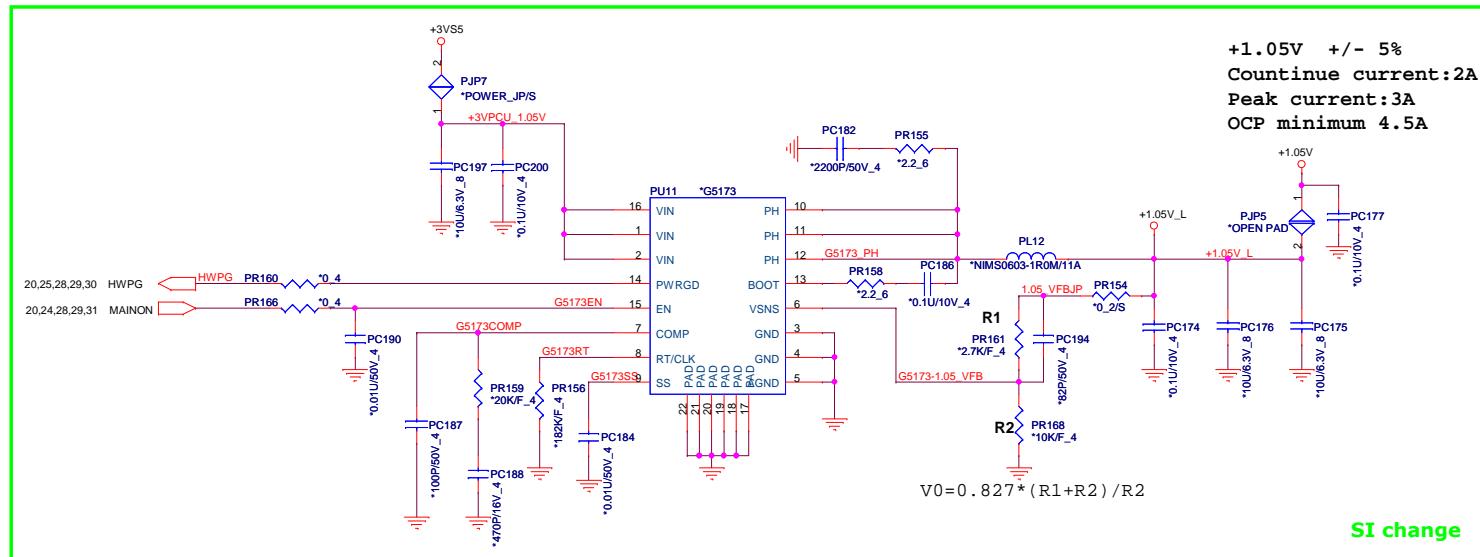


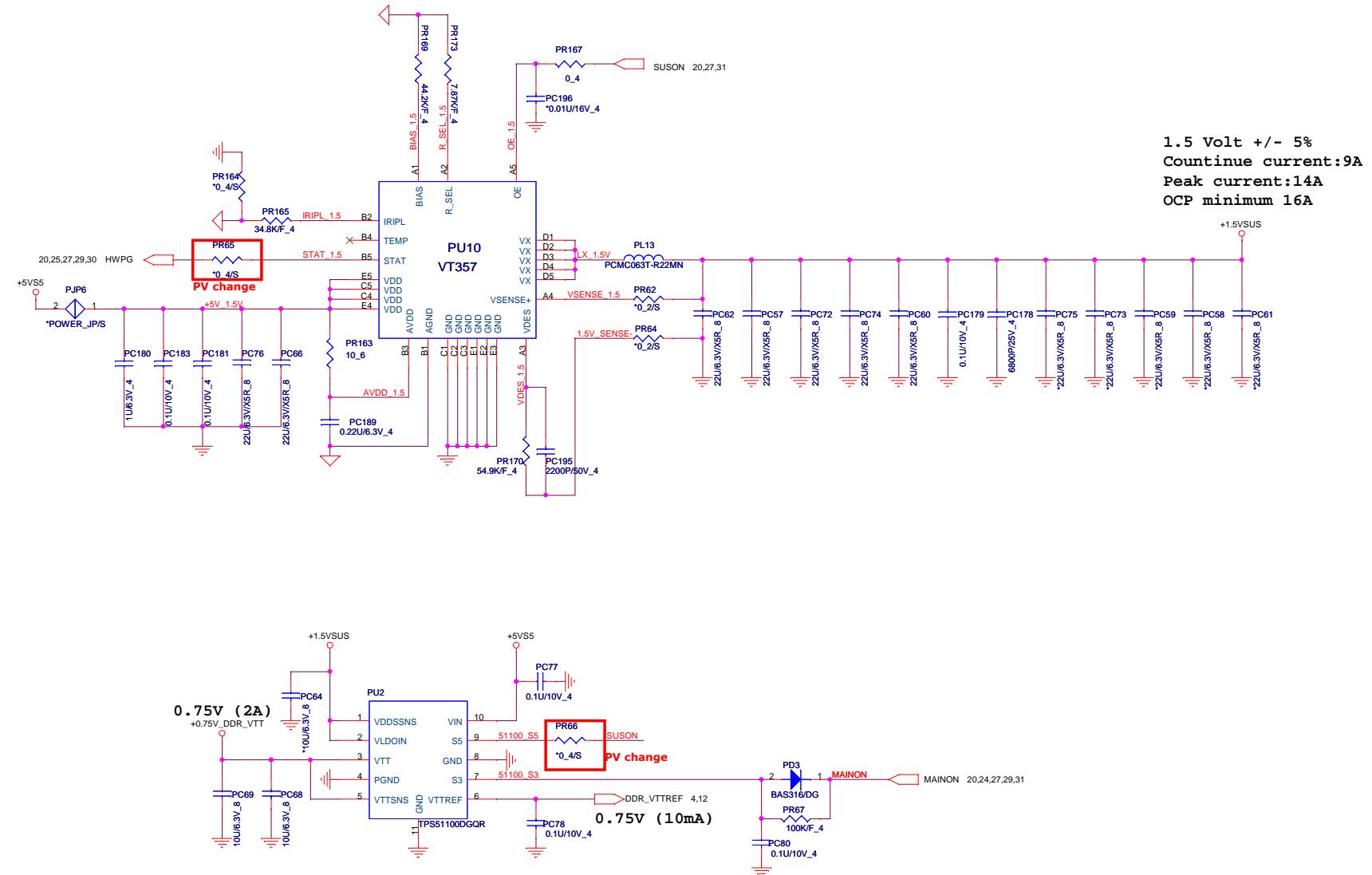




[www.vinafix.vn](http://www.vinafix.vn)

# VCCP1.05V

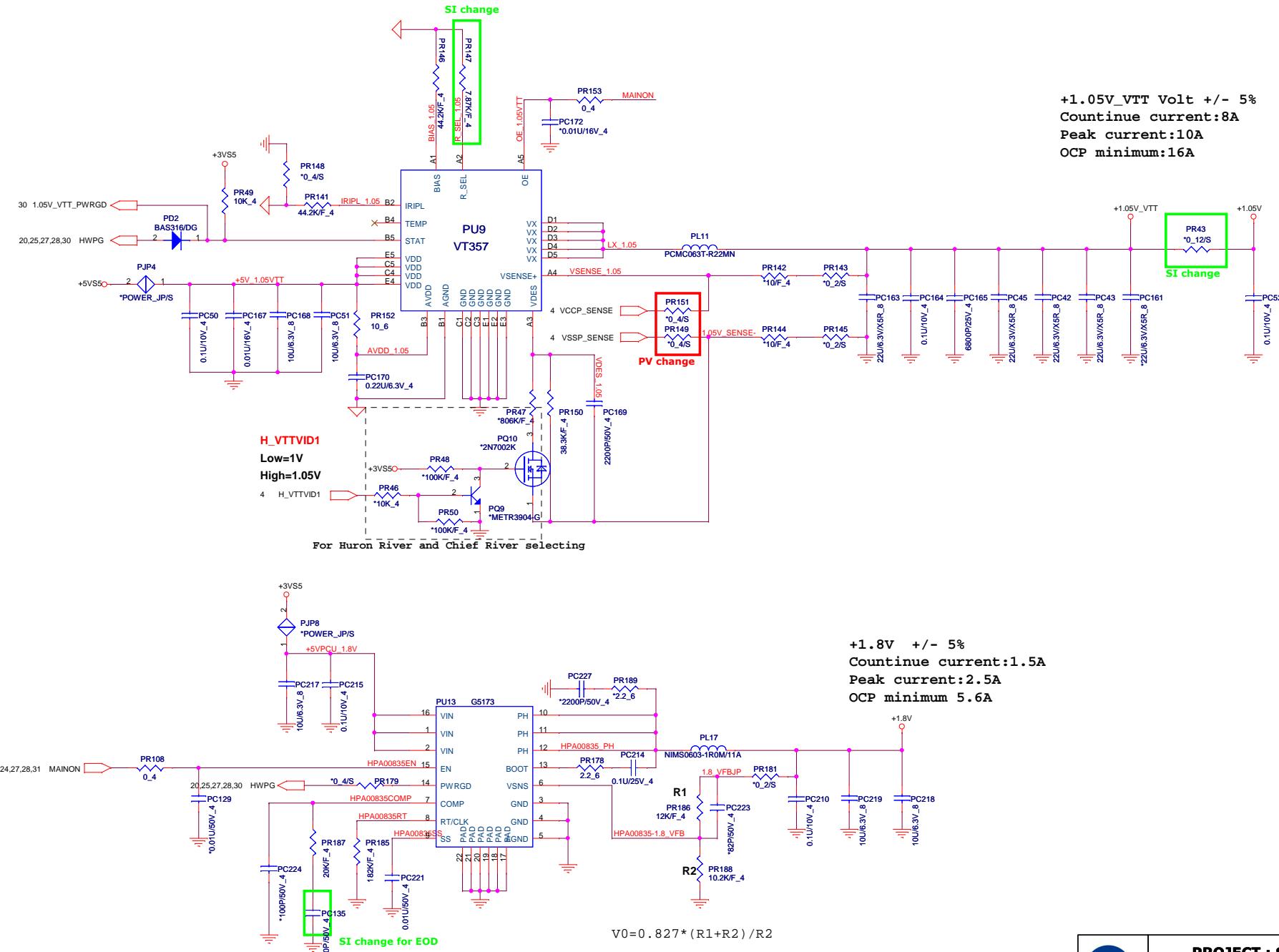




**PROJECT : Stella**  
Quanta Computer Inc.

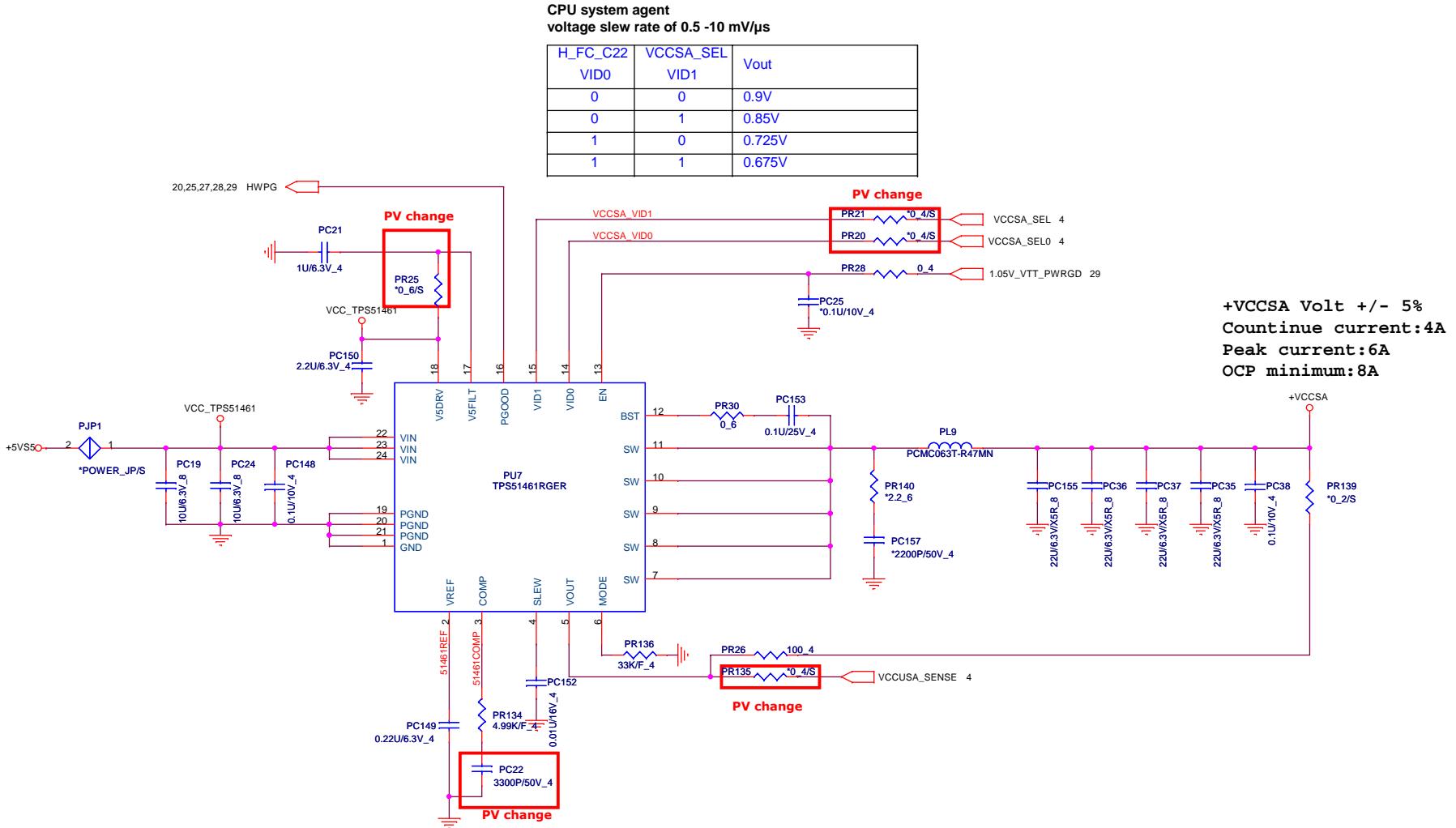
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**DDR3 (VT358)**

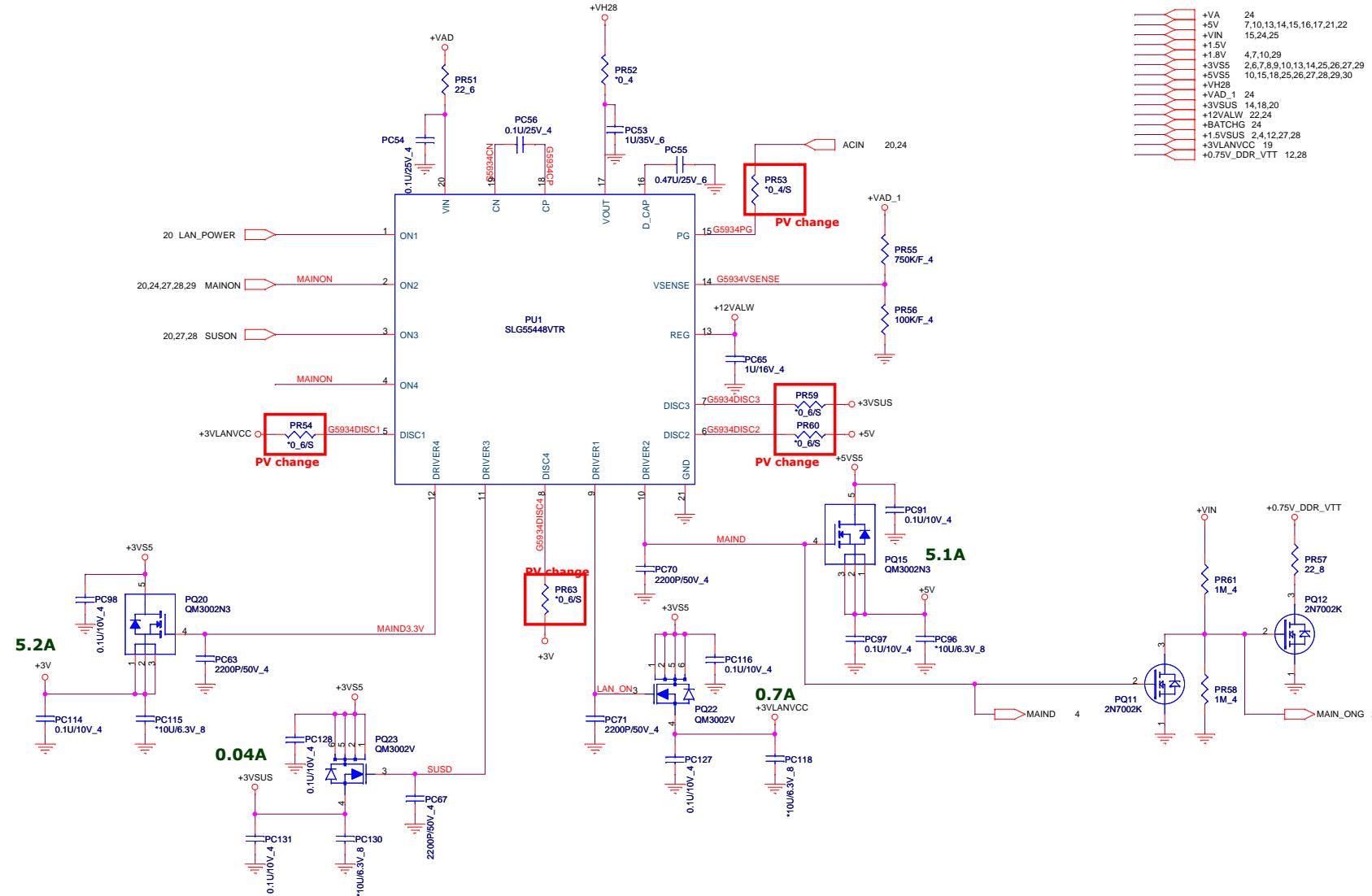
Revised  
? Rev  
Date: Friday, September 09, 2011 Sheet 28 of 31



**PROJECT : Stella**  
**Quanta Computer Inc.**

Size Custom	Document Number +1.1V_VTT / PCH	Rev 1A
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Quanta Computer Inc.  
Size Custom Document Number Dis-charge IC (G5934)  
Rev NBS Date: Friday, September 09, 2011 Sheet 31 of 31