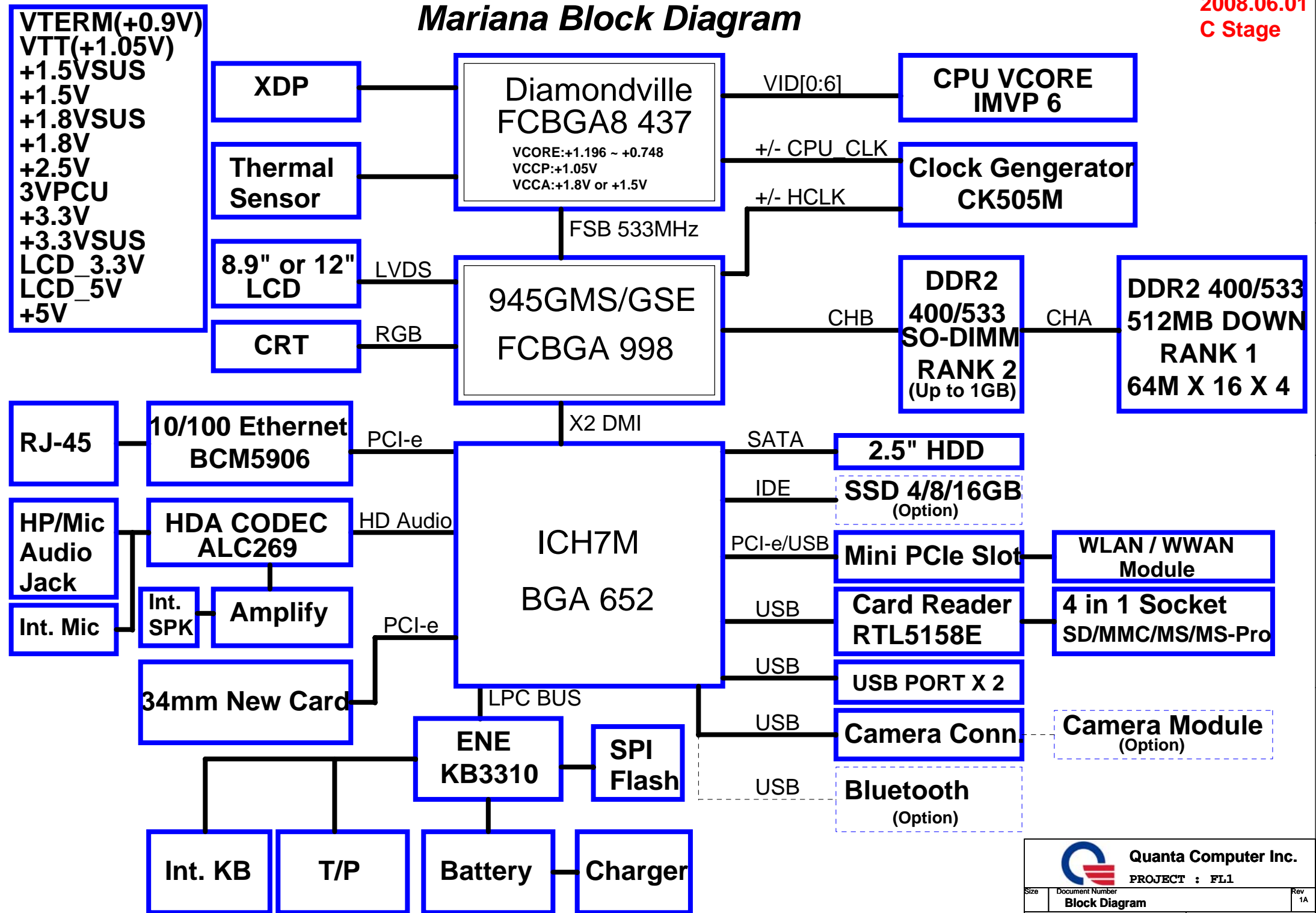
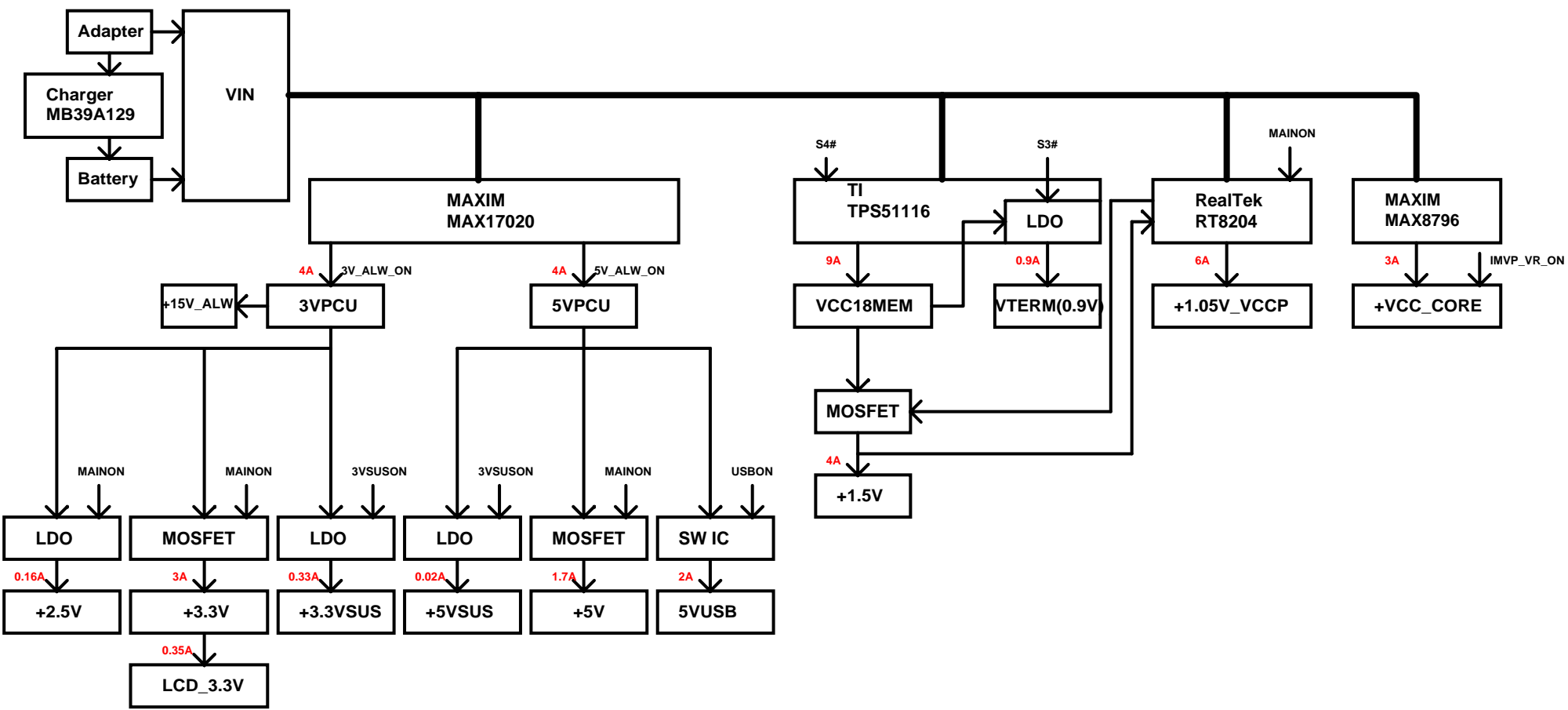
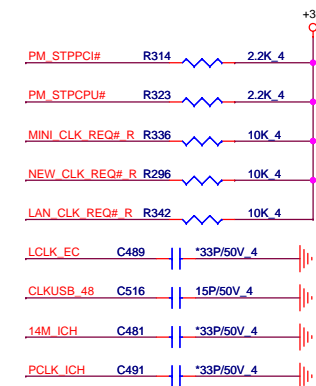
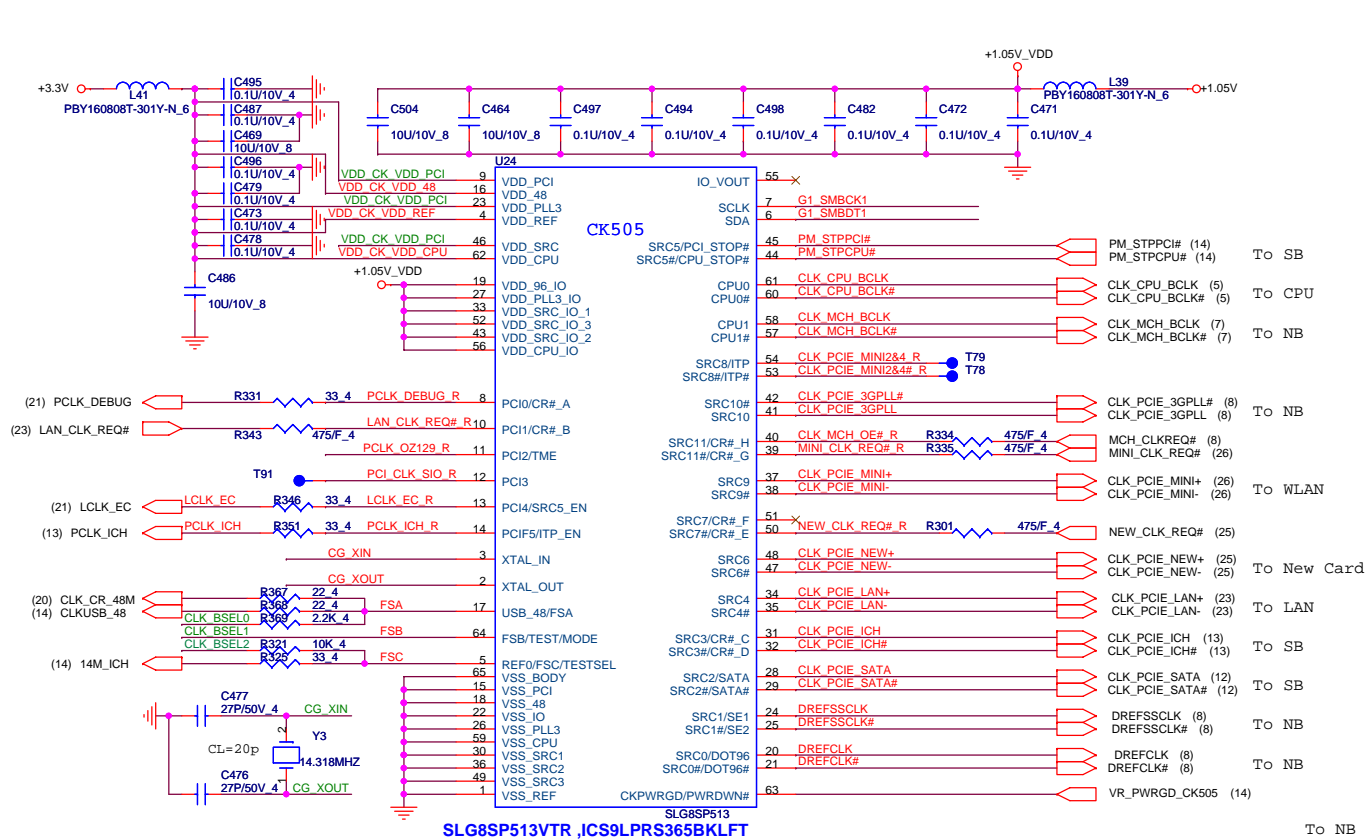


# Mariana Block Diagram



[illegible][illegible][illegible]





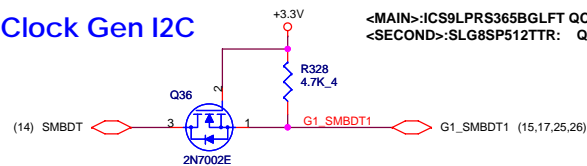
SEL2 SEL1 SEL0 Frequency select

FSC	FSB	FSA	CPU	SRC	PCI
1	0	1	100	100	33
0	0	0	133	100	33
0	1	1	166	100	33
0	1	0	200	100	33
0	0	0	266	100	33
1	0	0	333	100	33
1	1	0	400	100	33
1	1	1	Reserved		

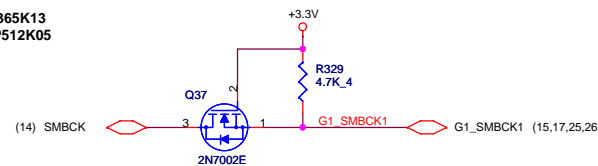
Default

	ICS9LPRS365 (ALPRS365K13)	ALM8751-606 (AL000875K06)	PULL HIGH	PULL DOWN
Pin 11	PCI2/TME	PCI2/TME	NO OVERCLOCKING (default)	NORMAL RUN
Pin 12	PCI-3/SRC5_EN	PCI-3/SRC5_EN	PIN37/38 IS SRC5	PIN37/38 IS PCI_STOP/CPU_STOP (default)
Pin 13	PCI-4/27M_SEL	PCI-4/27M_SEL	PIN 17/18 IS 27MHz	PIN 17/18 IS SRC/DOT (default)
Pin 14	PCIF-5/ITP_EN	PCIF-5/ITP_EN	PIN 46/47 IS CPUITP	PIN 46/47 IS SRC8 (default)

## Clock Gen I2C

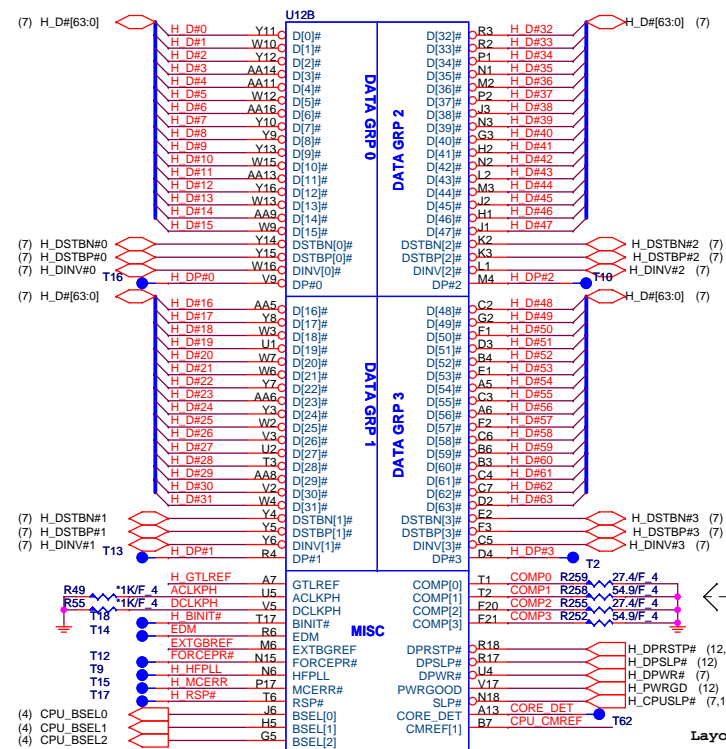
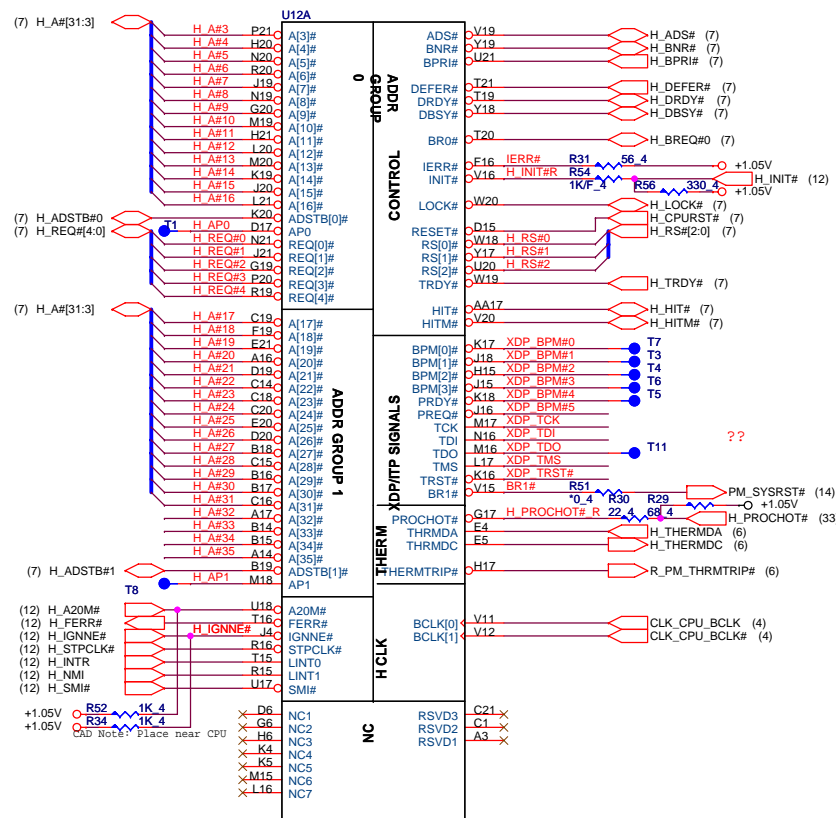


<MAIN>: ICS9LPRS365BGLFT QCI: ALPRS365K13  
<SECOND>: SLG8SP512TTR QCI: AL8SP512K05



## SM\_BUS\_Group1

1. Clock Gen
2. Memory Rom
3. Mini Card
4. New Card
5. CPU Thermal Monitor



R53 NO-ASM --0424

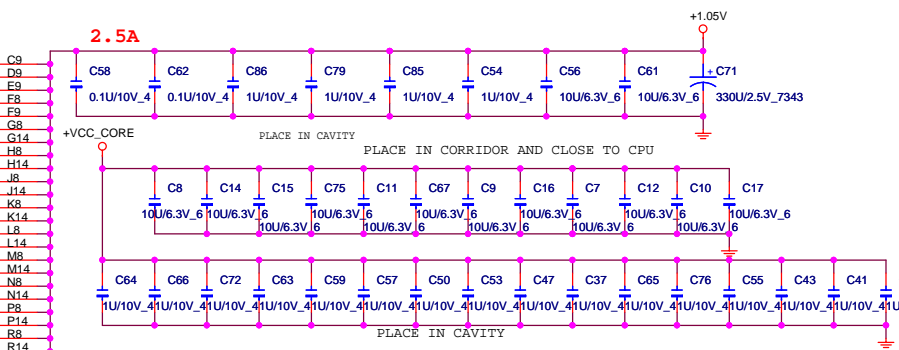
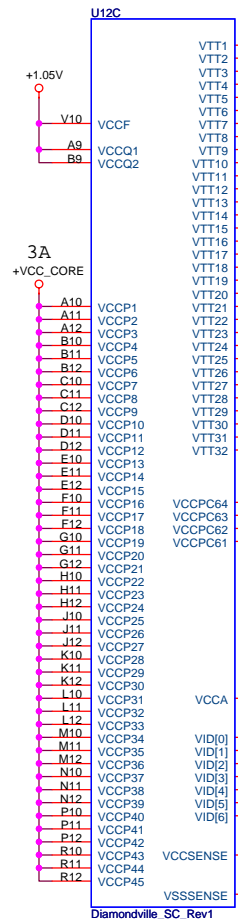
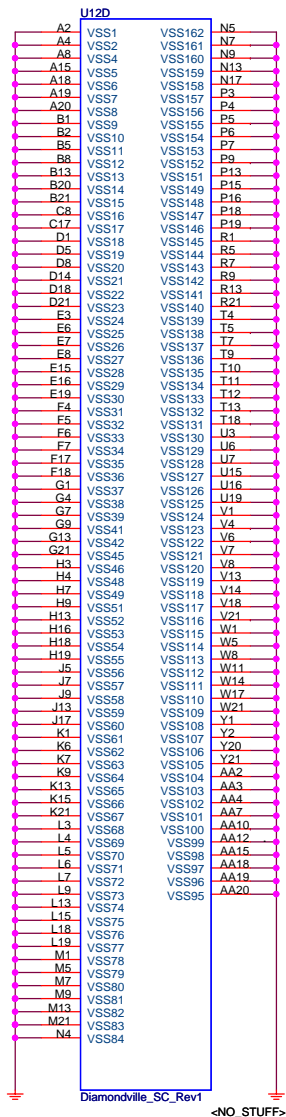
For defensive design reservation only in this initial release

Layout note:  
Zo=55ohm, 0.5" max  
for GTLREF

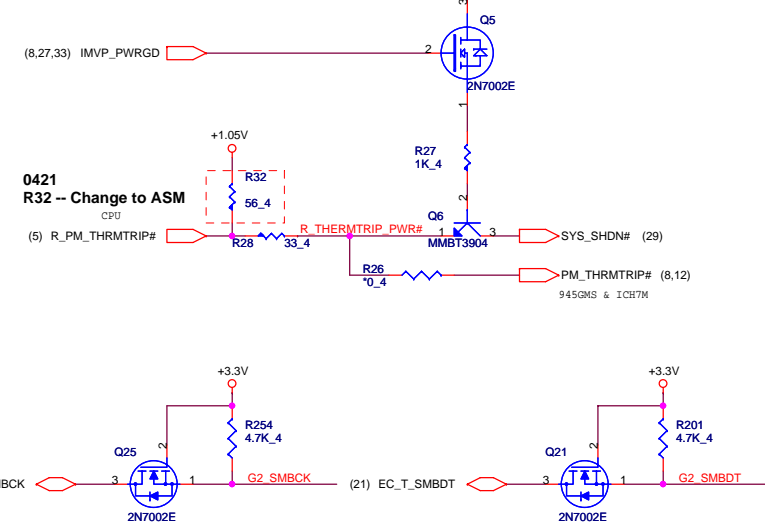
Layout note:  
Zo=55ohm, 0.5" max  
for EXTGBREF

Layout note:  
Zo=55ohm, 0.5" max  
for GTLREF

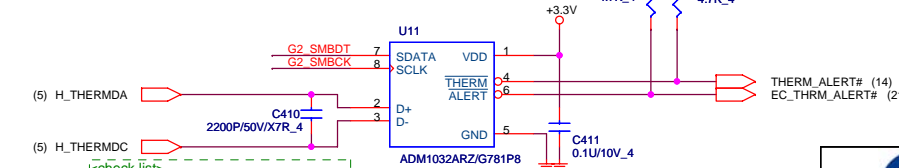
Layout note:  
Comp0,2 connect with Zo=27.4ohm, make  
trace length shorter than 0.5"  
Comp1,3 connect with Zo=55ohm, make  
trace length shorter than 0.5"



## 125 Degree Protection



## CPU Thermal monitor



<check list>  
Layout Note: Routing 10:10 mils and away from noise source with ground guard

SMBus ADDRESS: 4C

**Quanta Computer Inc.**

**PROJECT : FL1**

**Diamondville (2/2)**

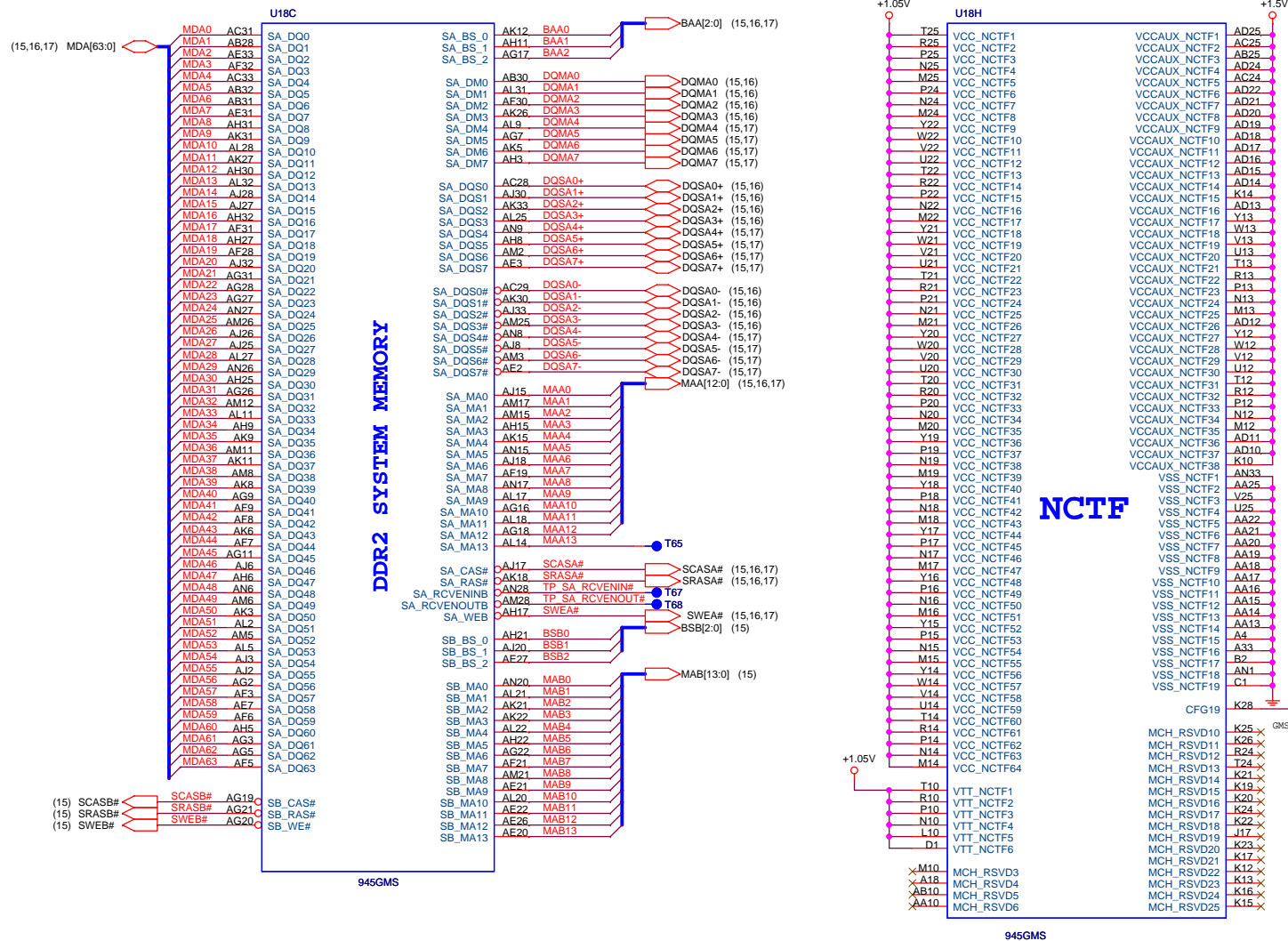
Size Document Number Rev 1A

Date: Saturday, June 07, 2008 Sheet 6 of 34

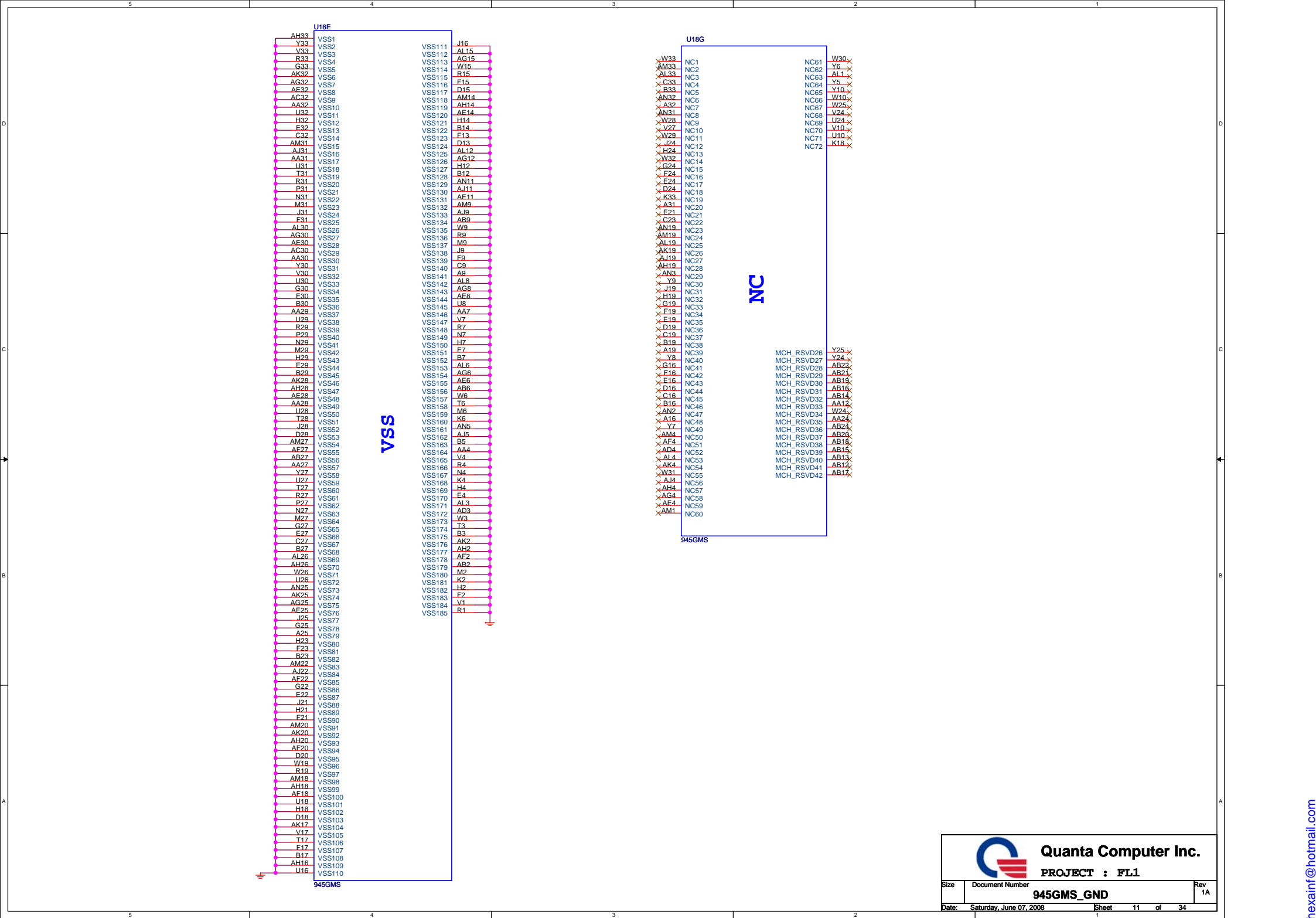


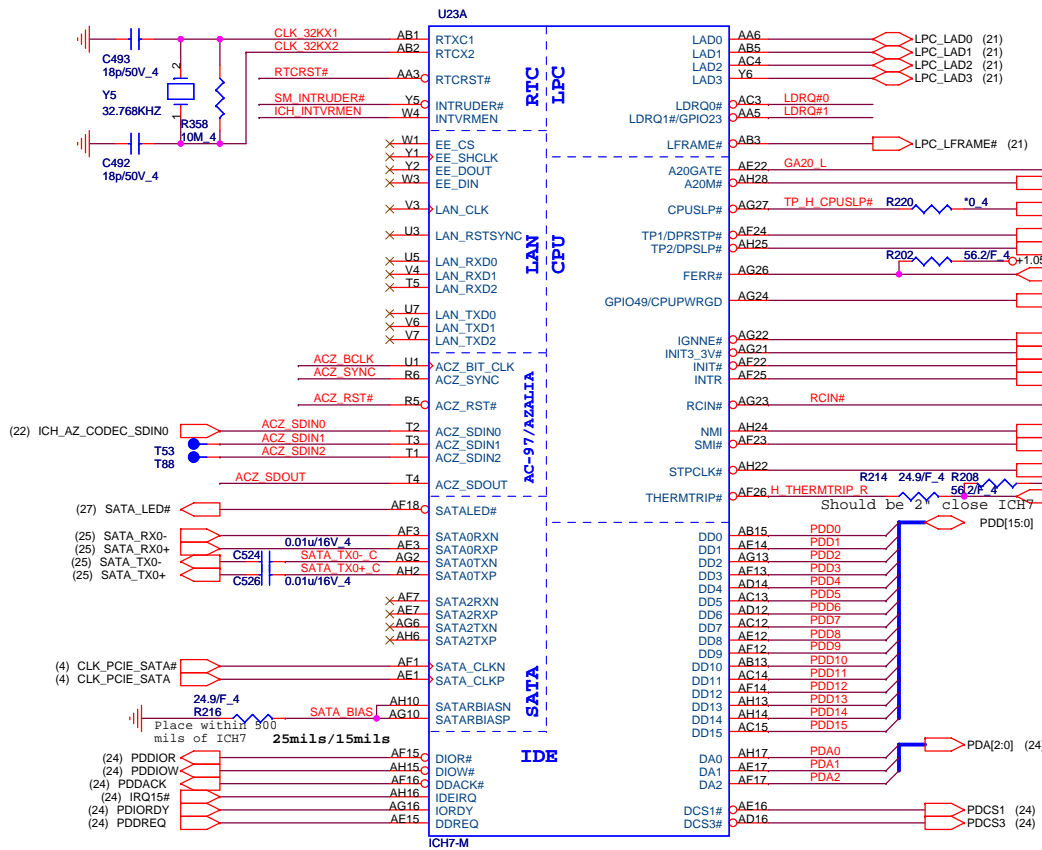




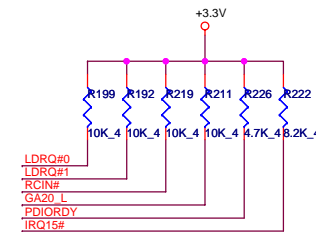




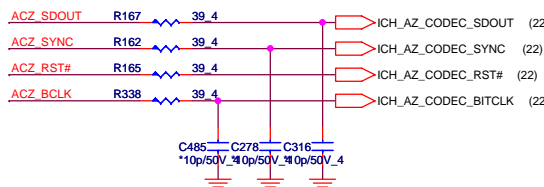
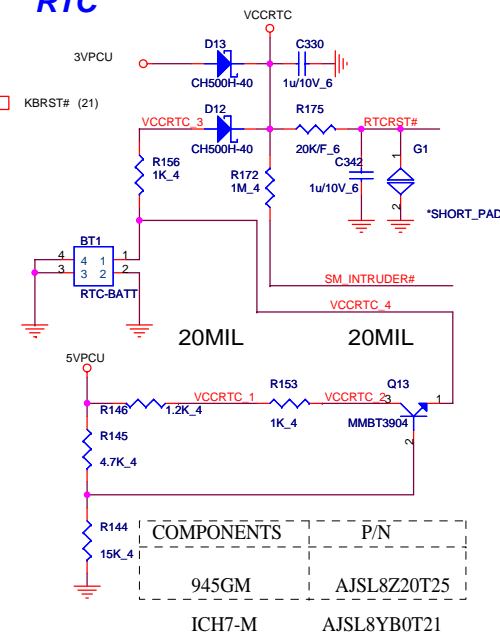




**Pull-UP**

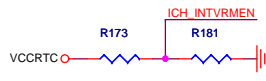


**RTC**



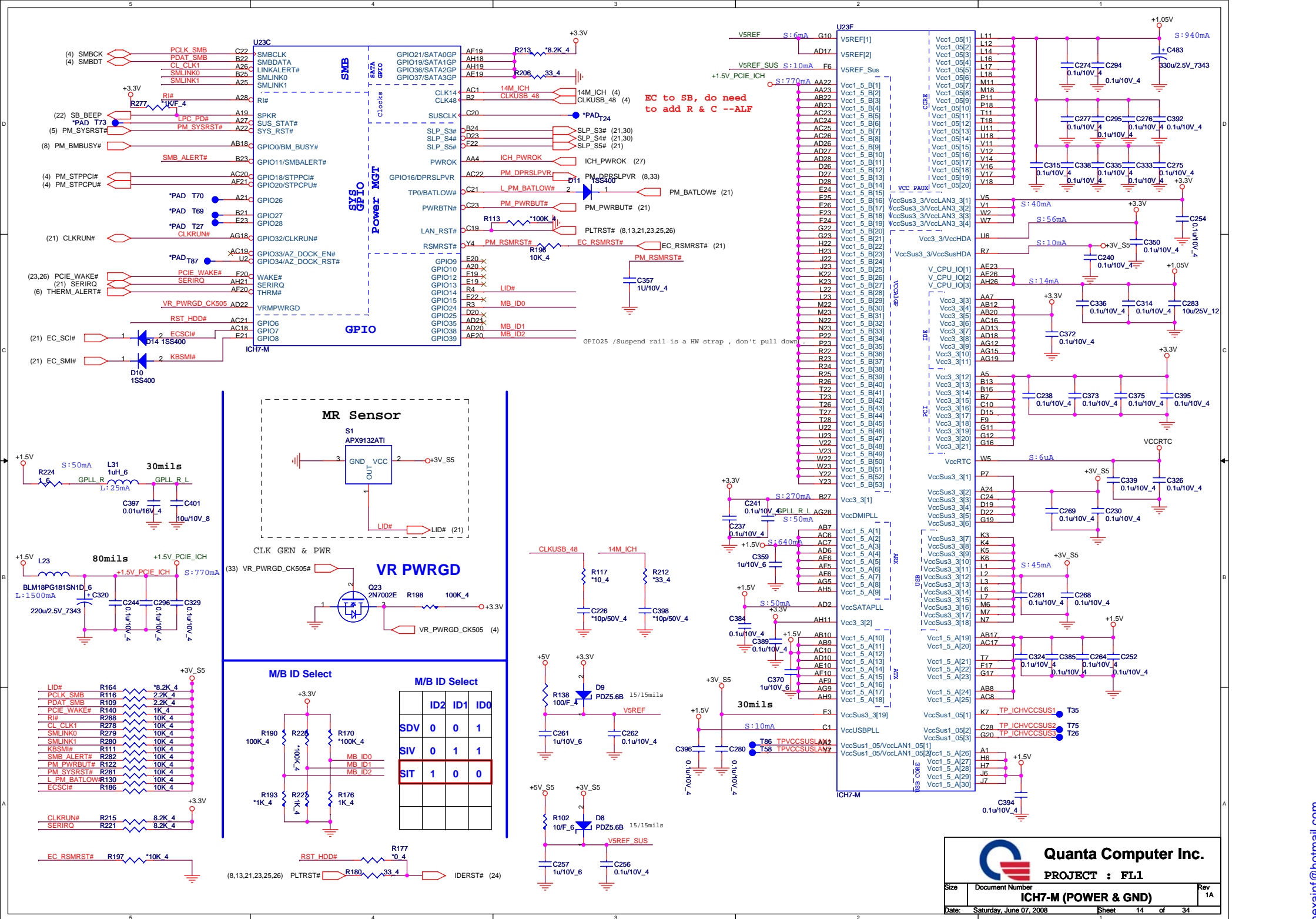
	INTVRMEN
Enable (default)	1
Disable	0

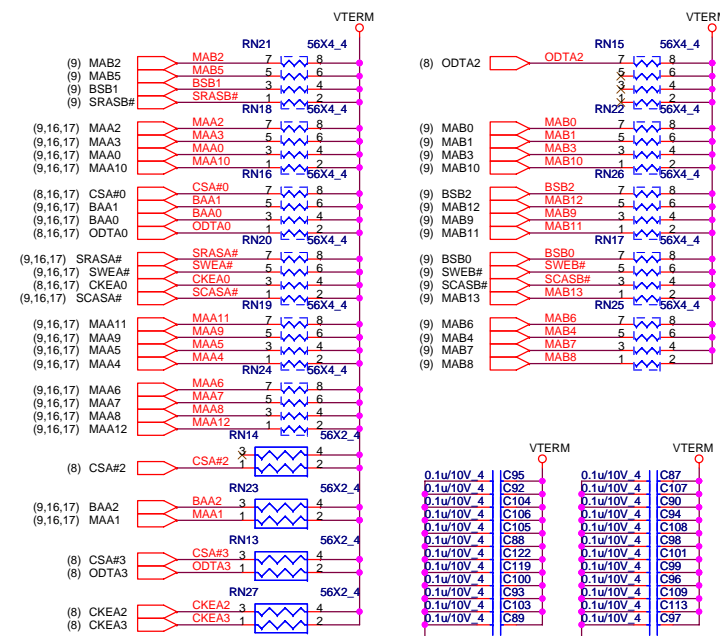
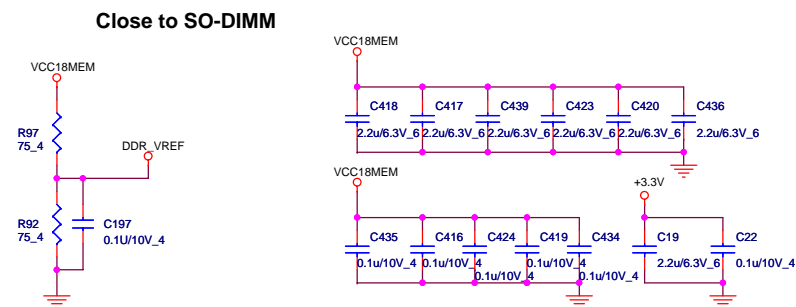
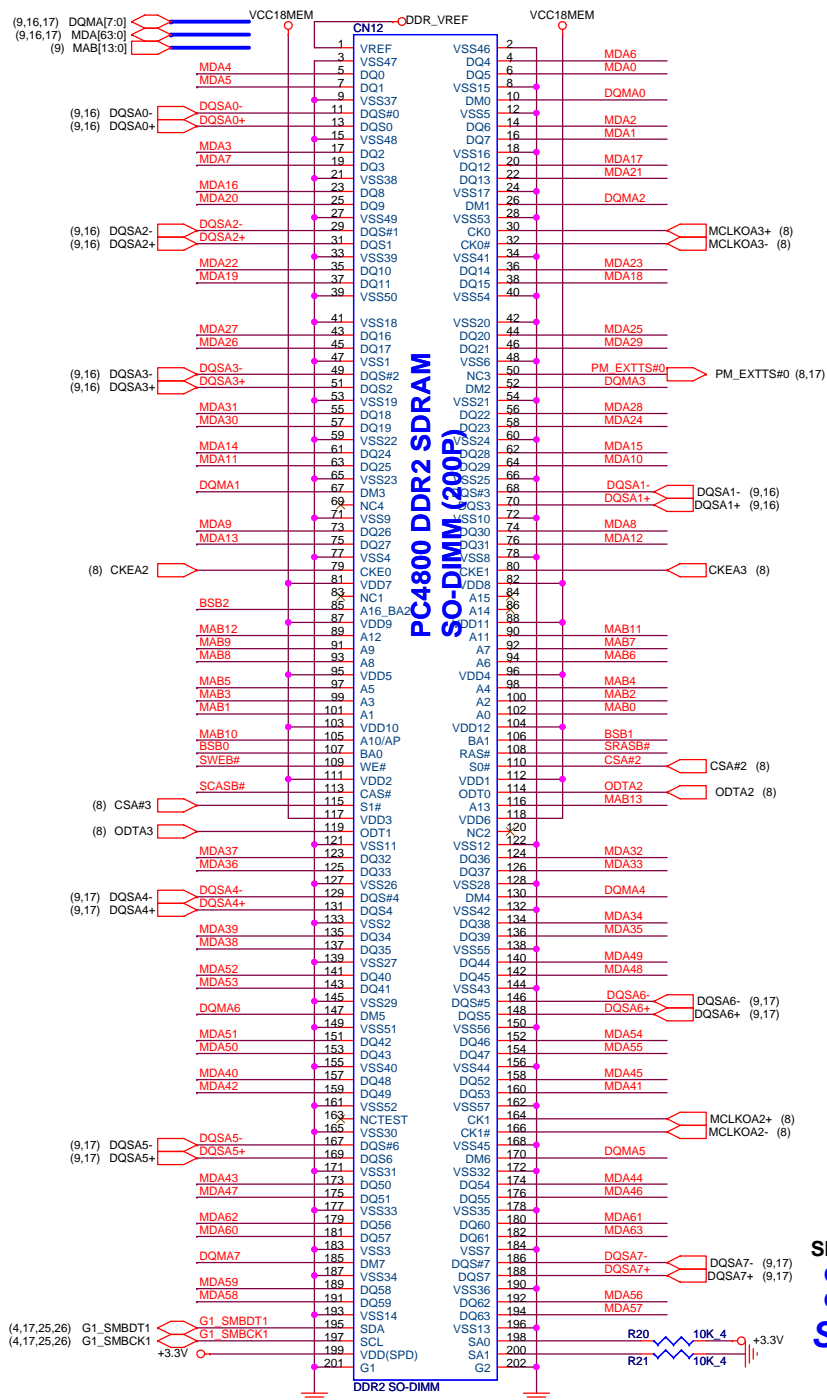
**ICH7 internal VR enable strap**



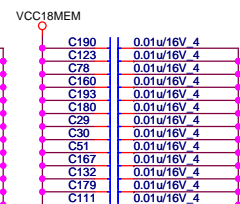
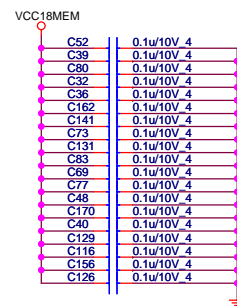
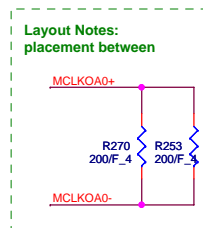
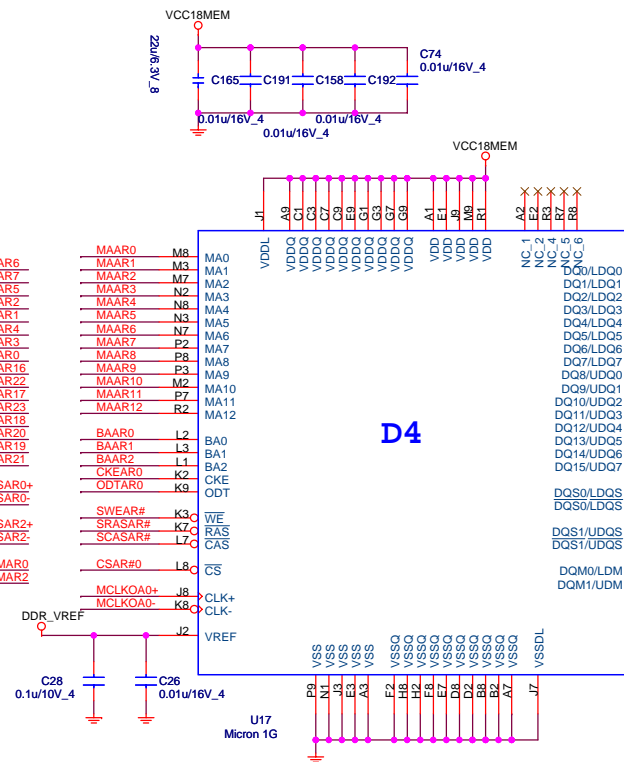
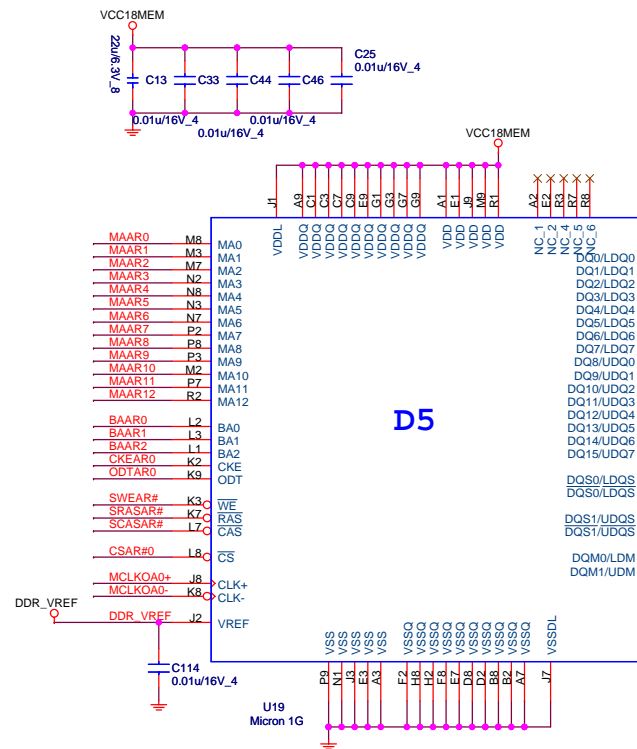
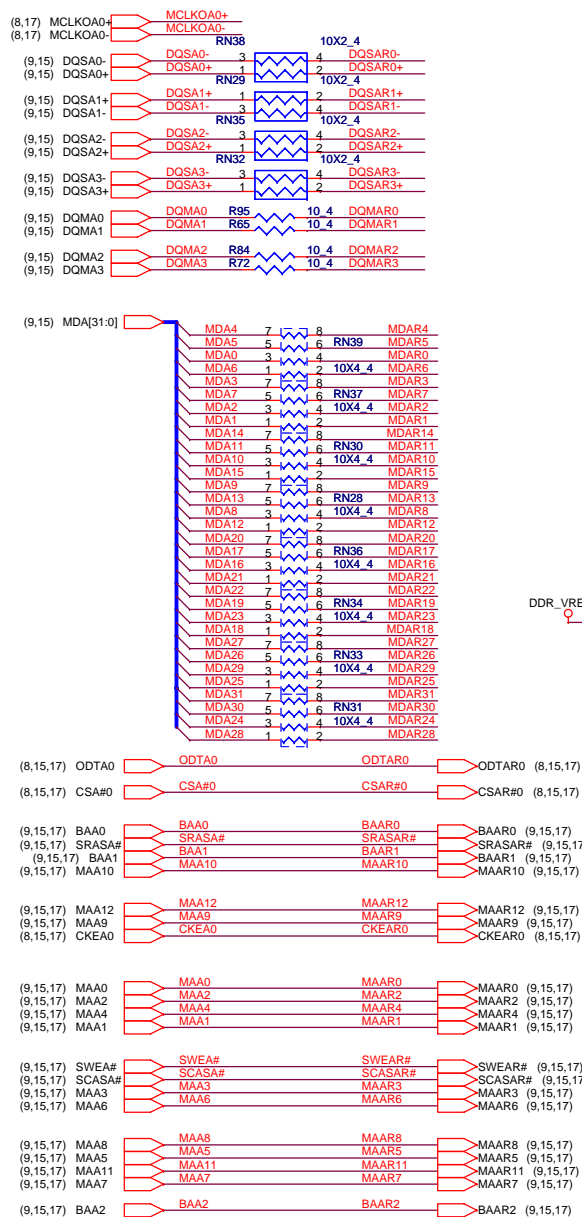




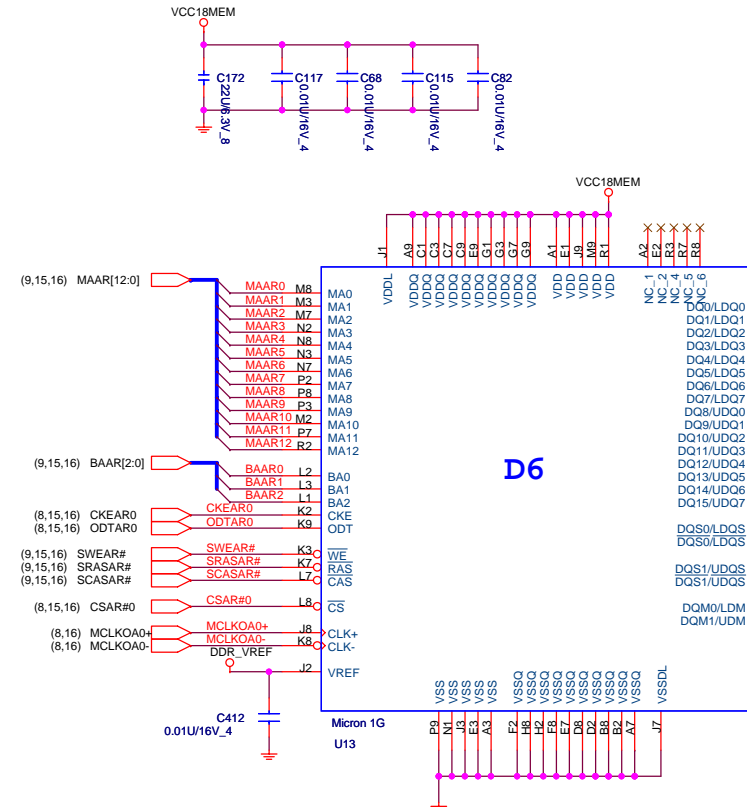
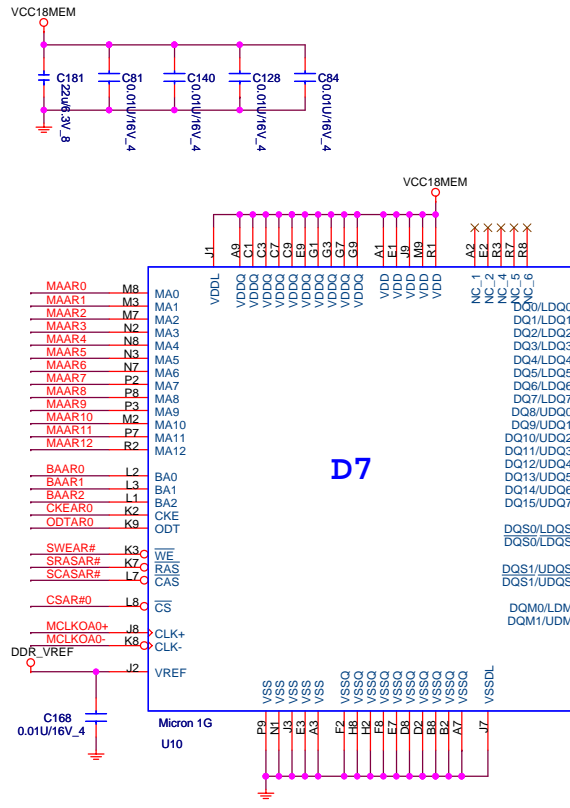




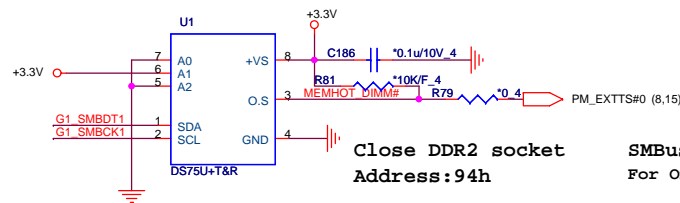
SMbus address A1  
CLOCK 1,2  
CKE 2,3  
**Standard Type H: 5.2mm**



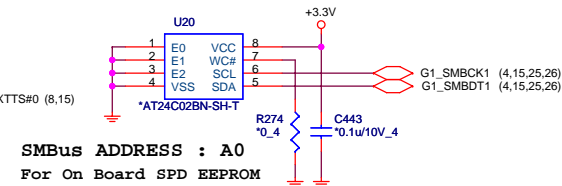




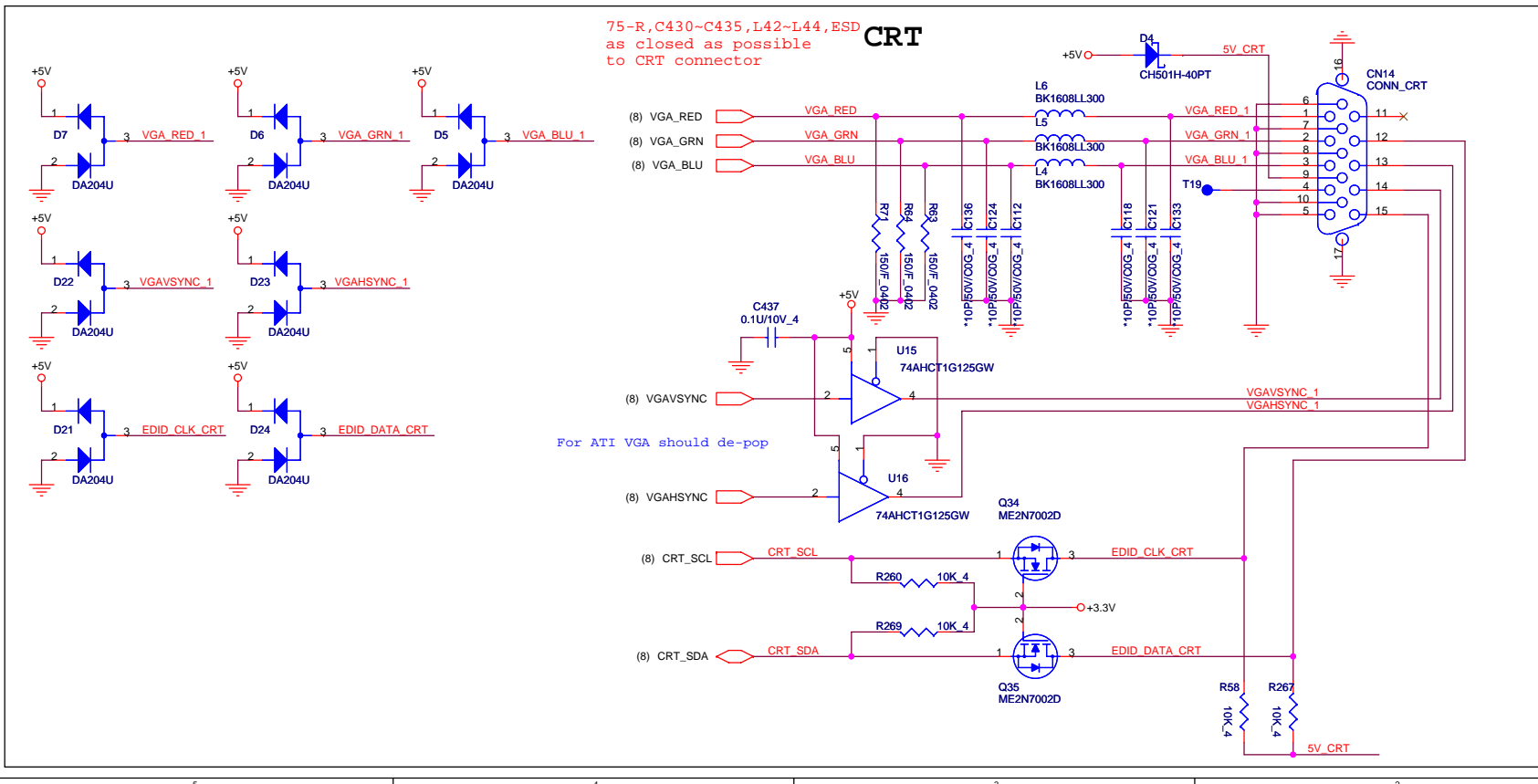
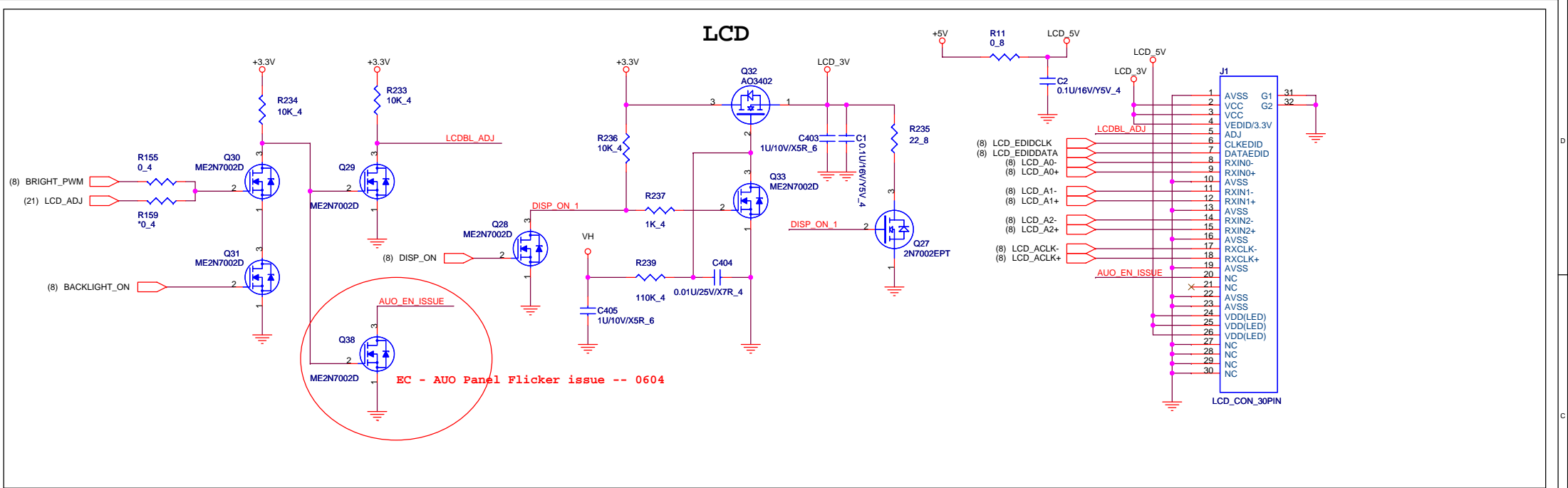
### Reserve for On-Board RAM



Close DDR2 socket  
Address:94h

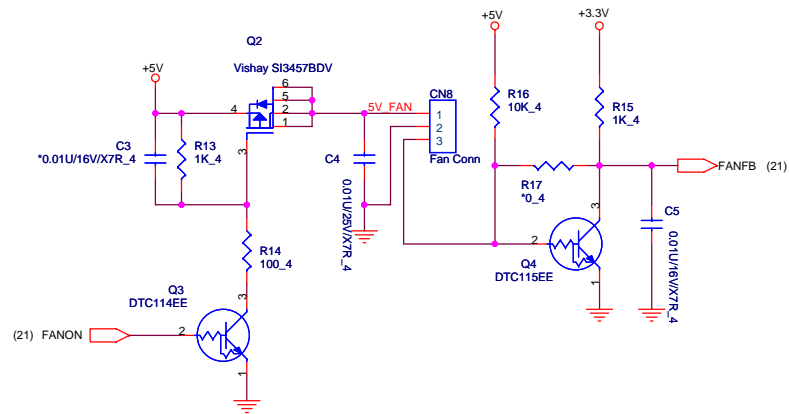


SMBus ADDRESS : A0  
For On Board SPD EEPROM

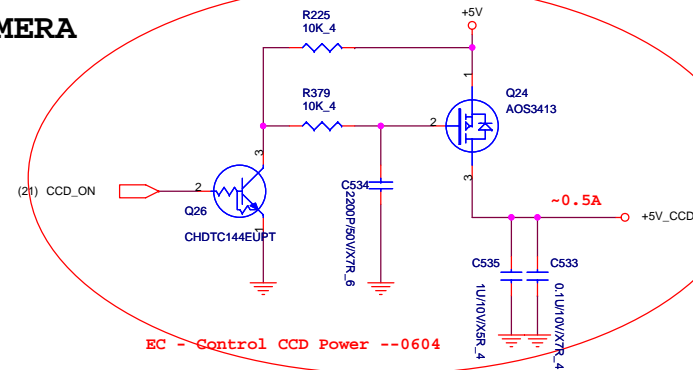


hexinf@hotmail.com

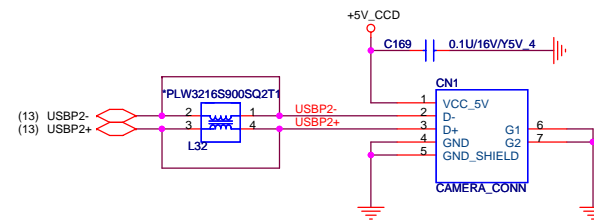
## FAN



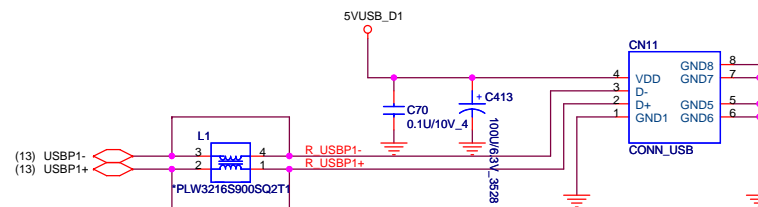
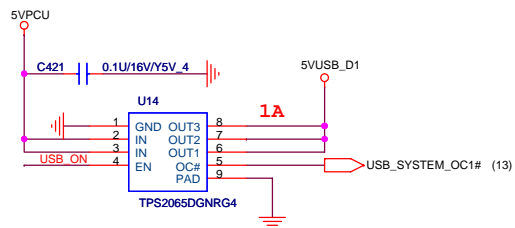
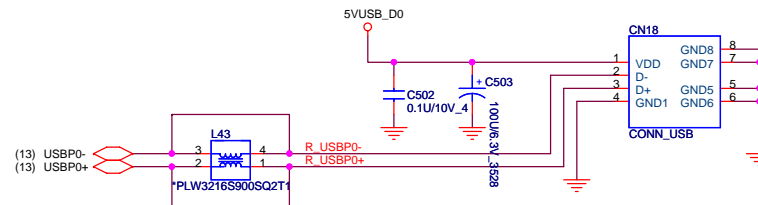
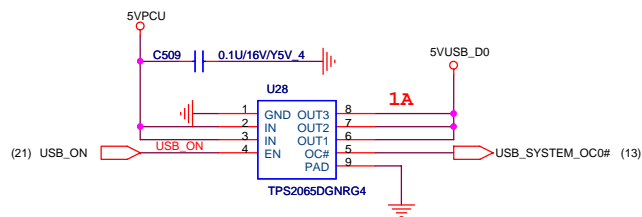
## CAMERA



EC - Control CCD Power --0604



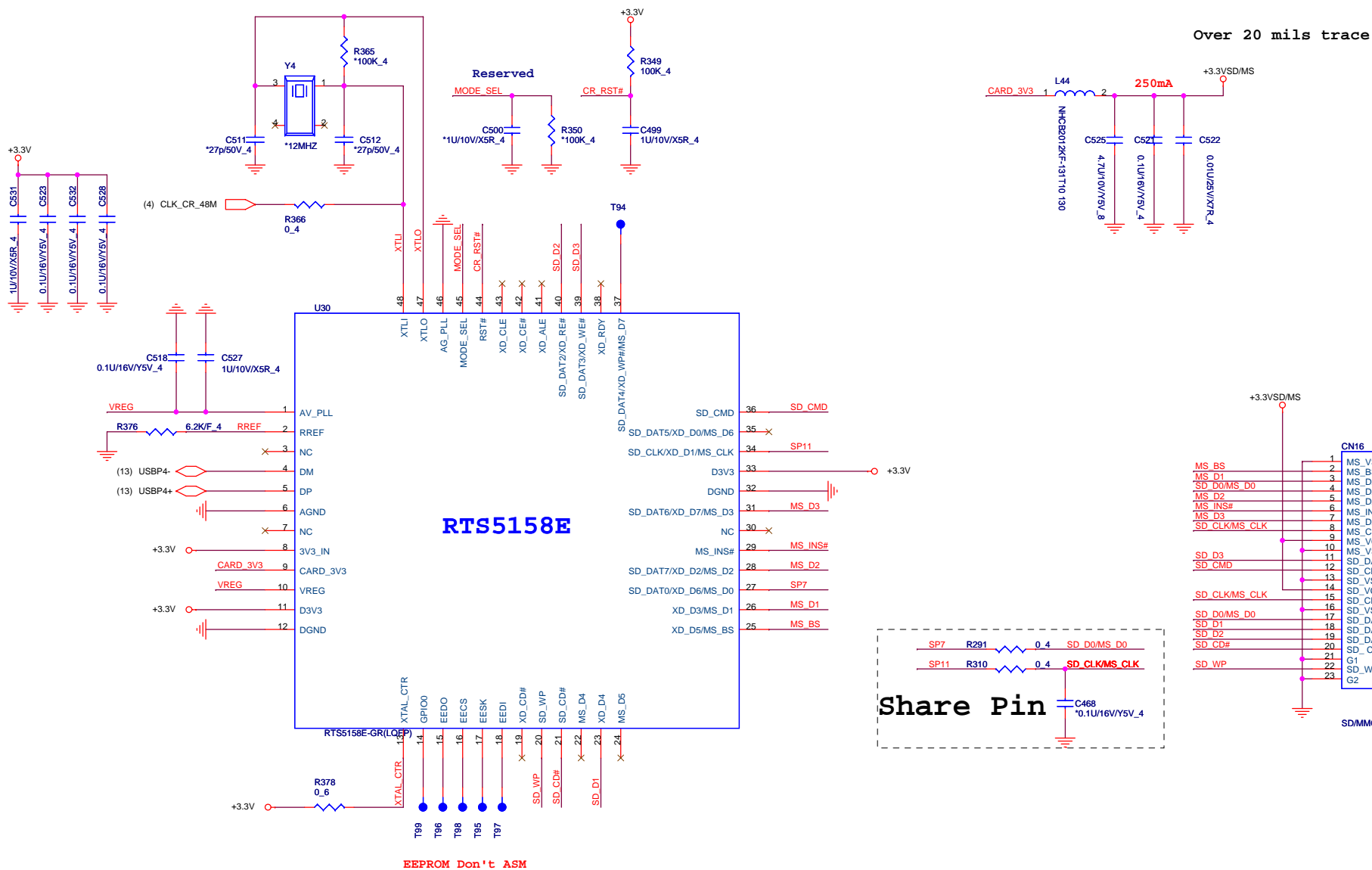
## USB X 2 PORTS



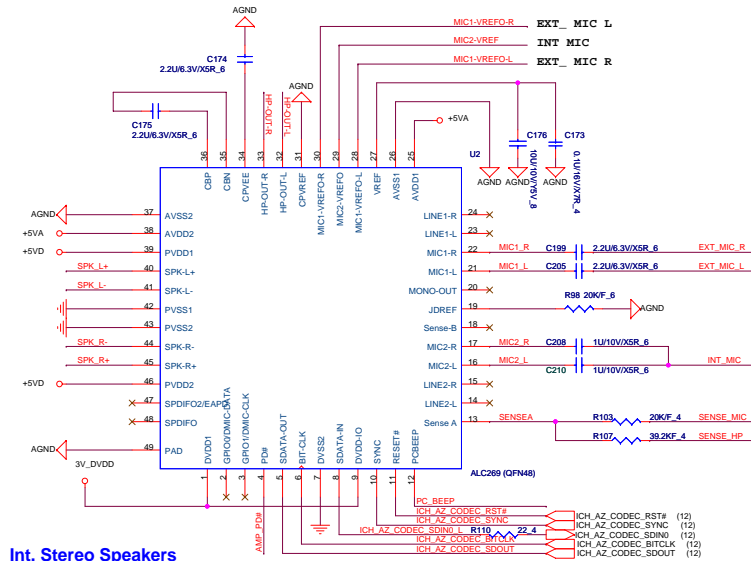
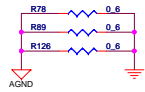
Quanta Computer Inc.

PROJECT : FL1

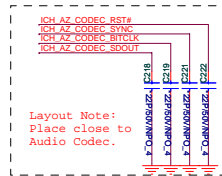
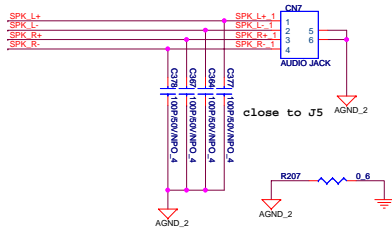
USB & FAN & CAMERA





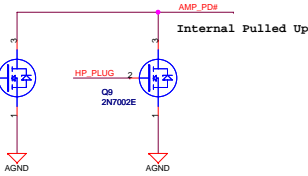


**Int. Stereo Speakers**  
5V / 4 Ohm / 1.5W

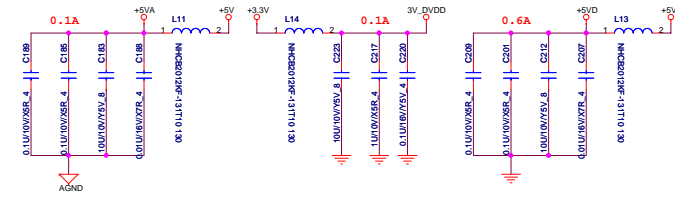
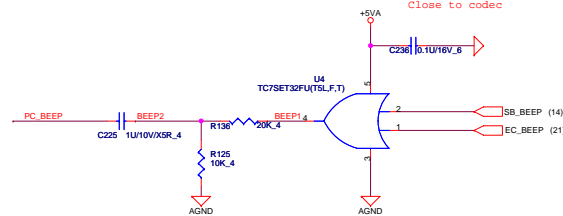


EC_AMP_MUTE	HP_PLUG	AMP_SHDN#
0	0	1
0	1	0
1	0	0
1	1	0

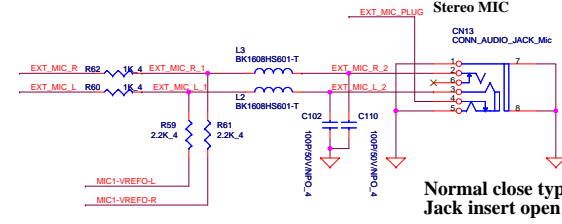
(21) EC\_AMP\_MUTE



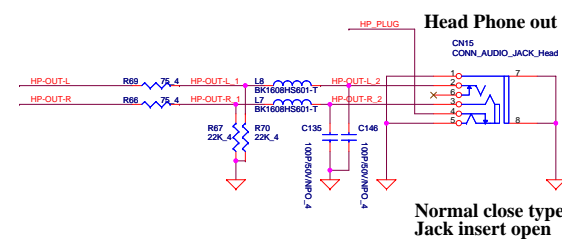
## PC BEEP CONTROL



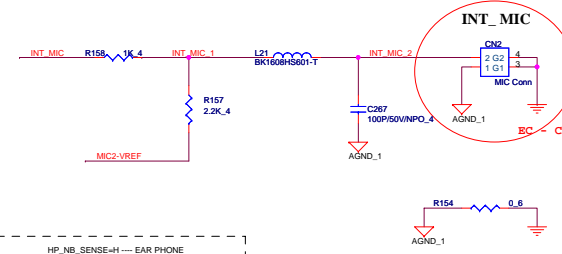
## External Microphone Jack



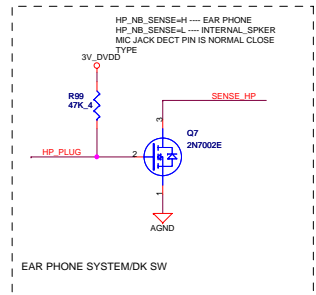
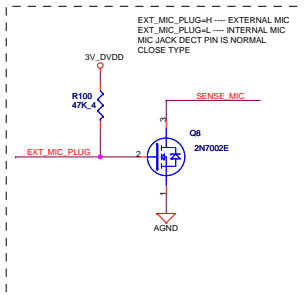
**Normal close type Jack insert open**



**Normal close type Jack insert open**



EC - Change MIC Type with wire-- 0604

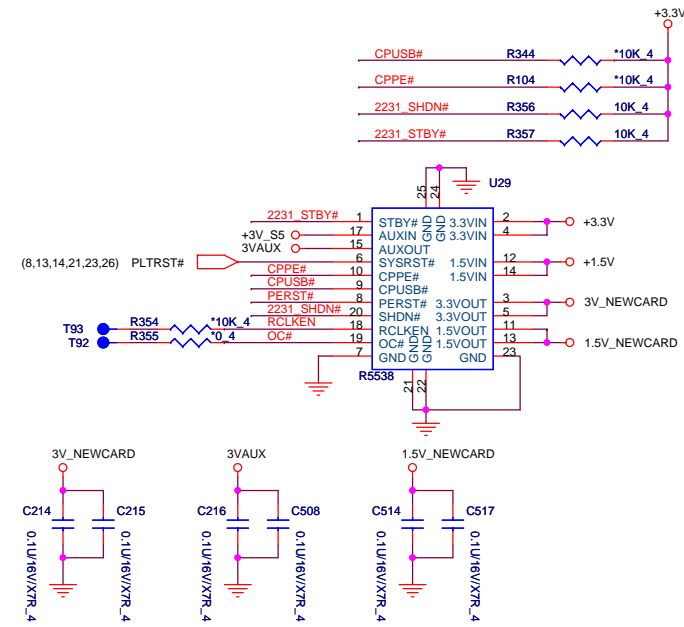
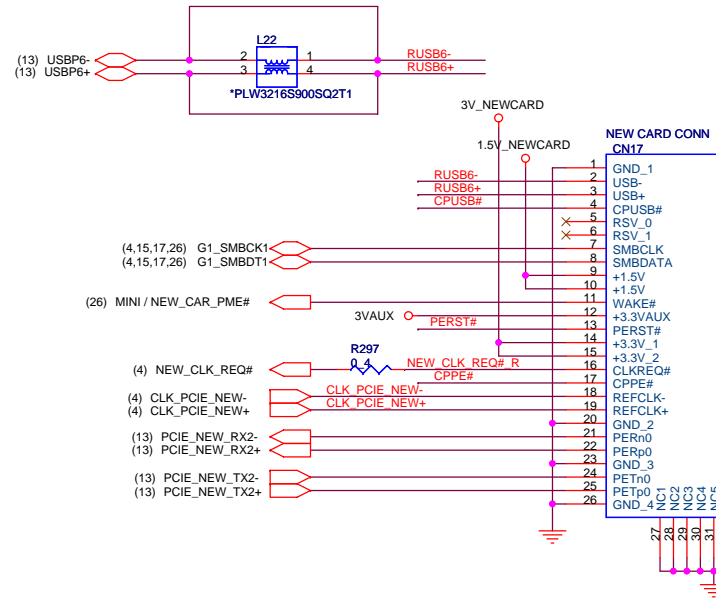




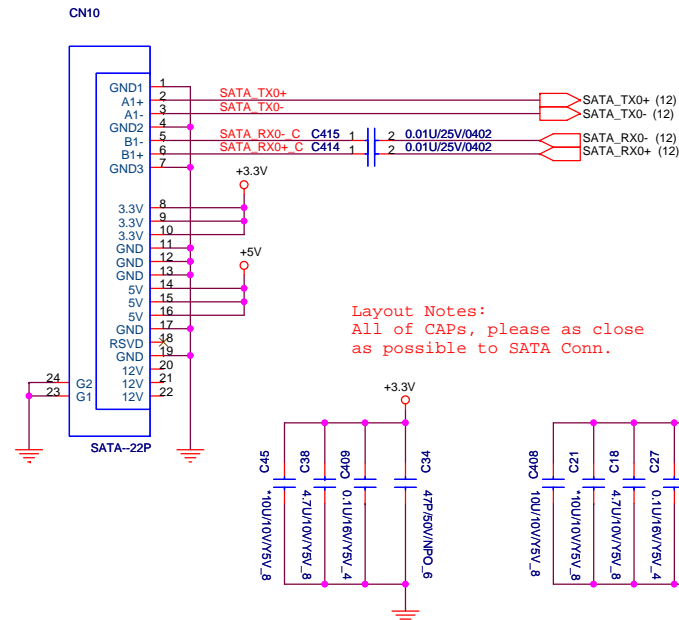




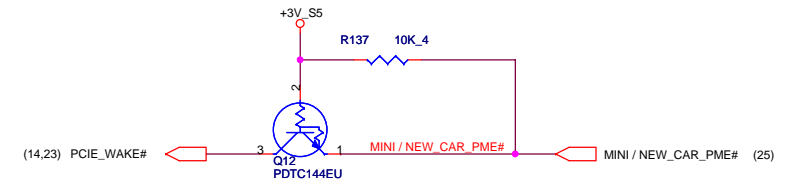
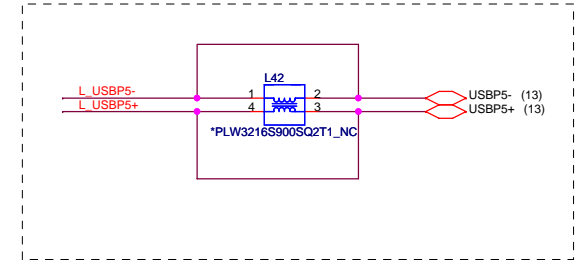
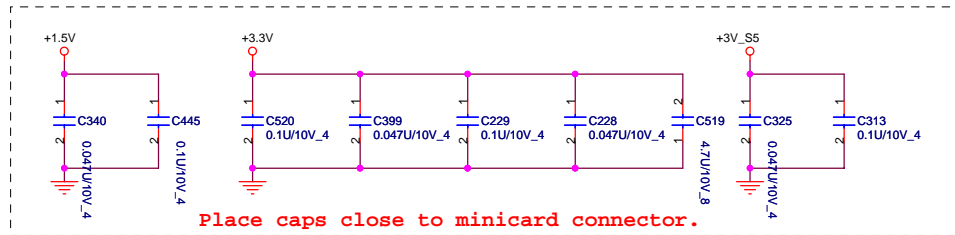
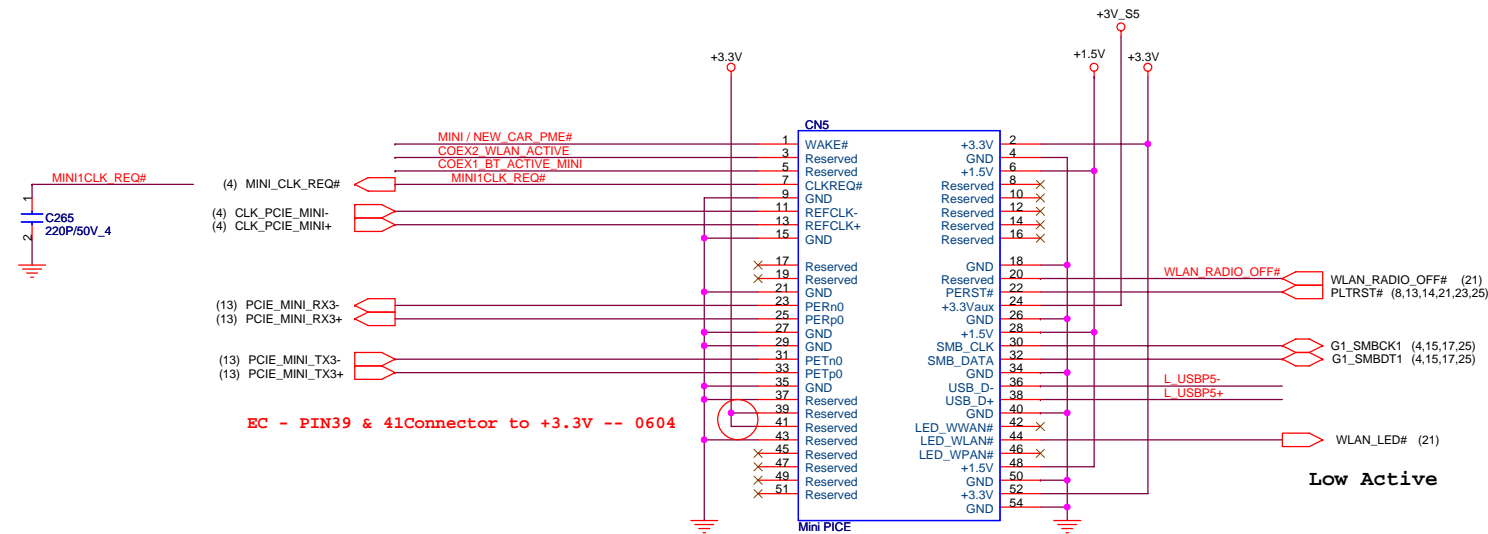
## NEW CARD



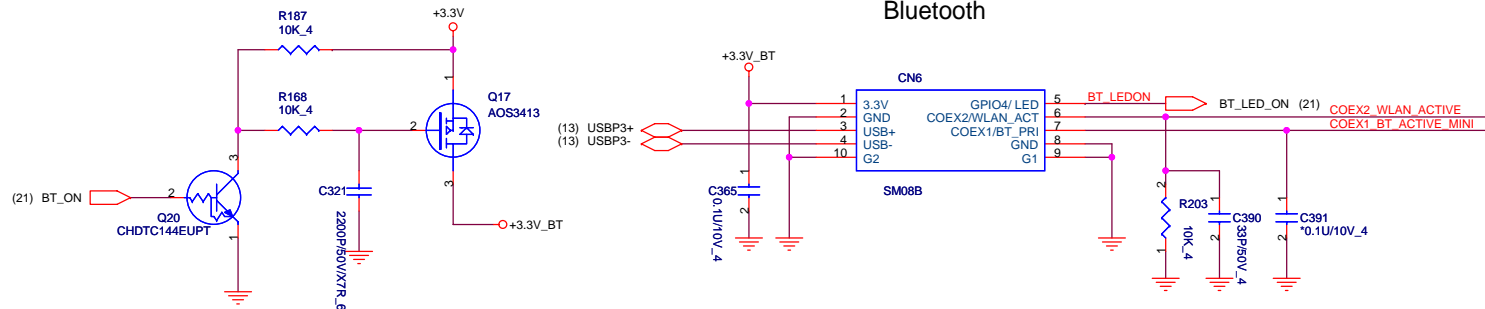
## SATA CONNECTOR

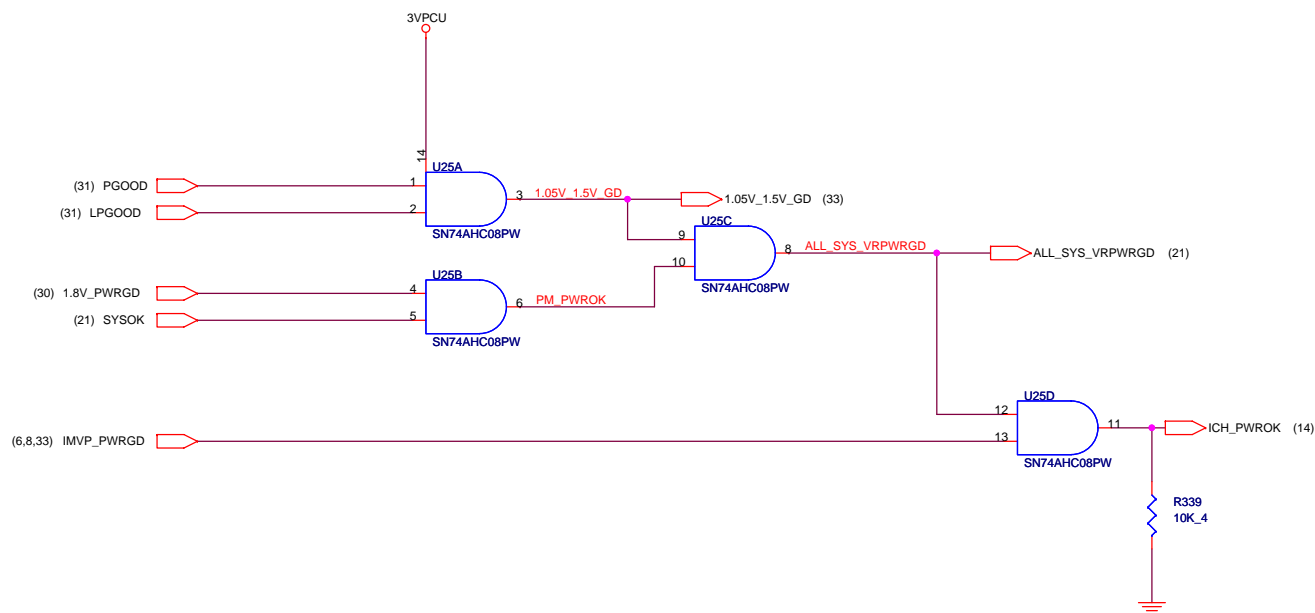


## MiniCard WLAN connector

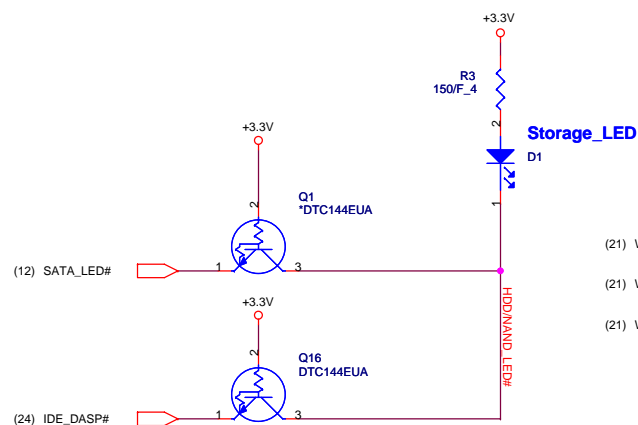


## Bluetooth

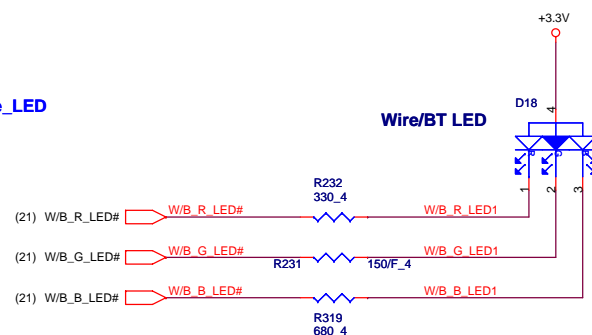




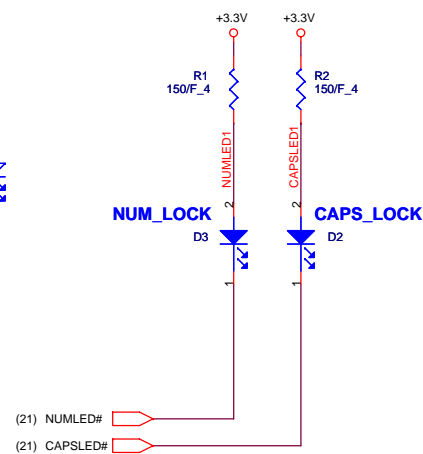
### SATA/PATA LED



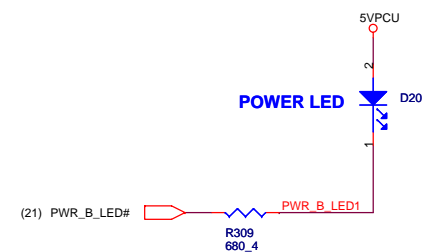
### WLAN & BlueTooth LED



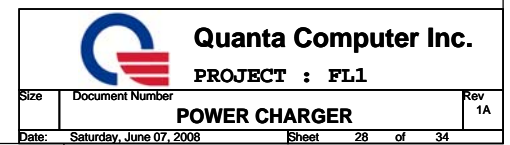
### Number & CAPS Lock LED



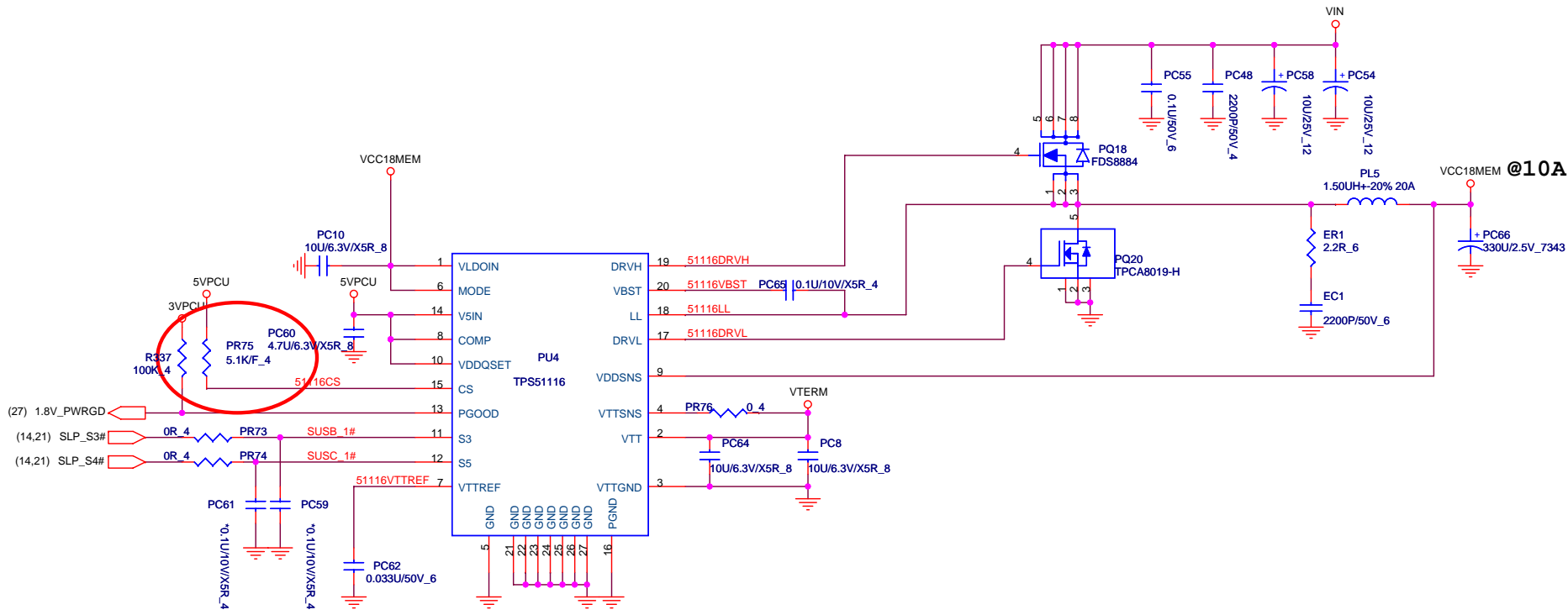
### Power Button LED

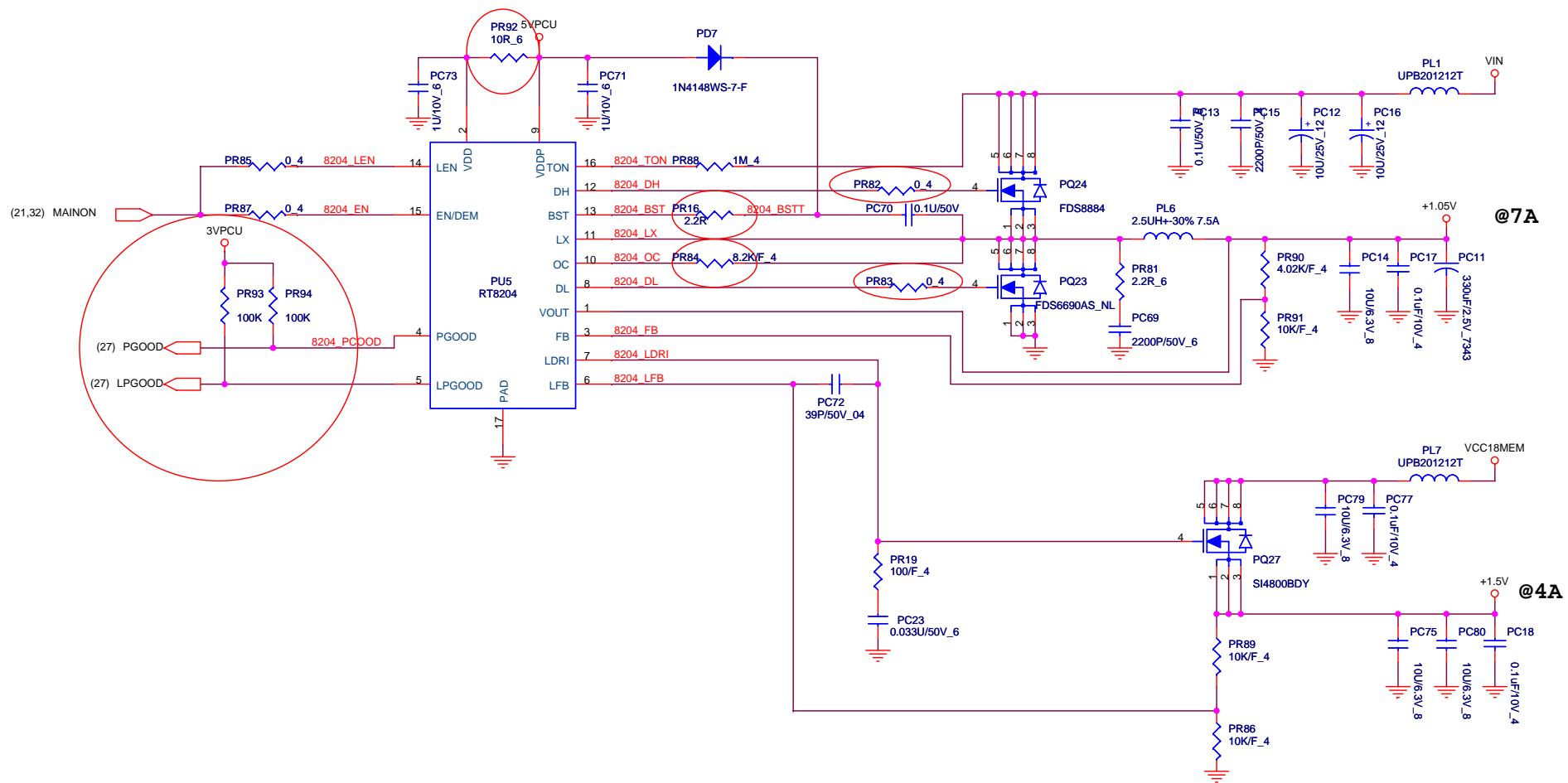


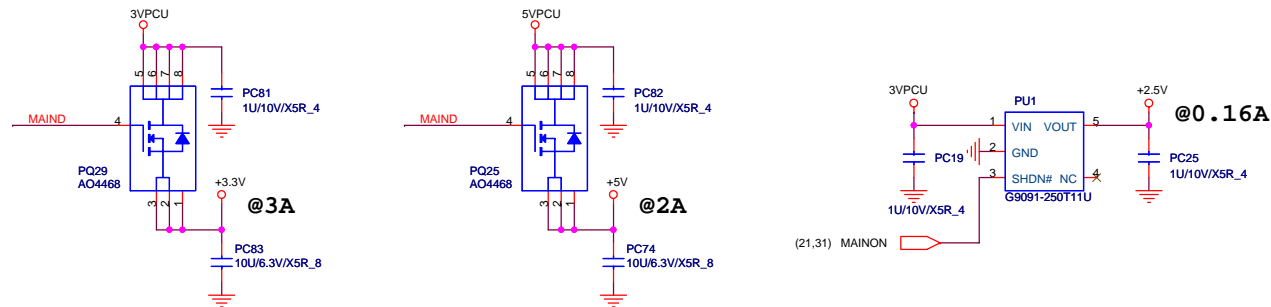
	Q1 & R5	Q16 & R6
SATA	ASM	No-ASM
PATA	No-ASM	ASM



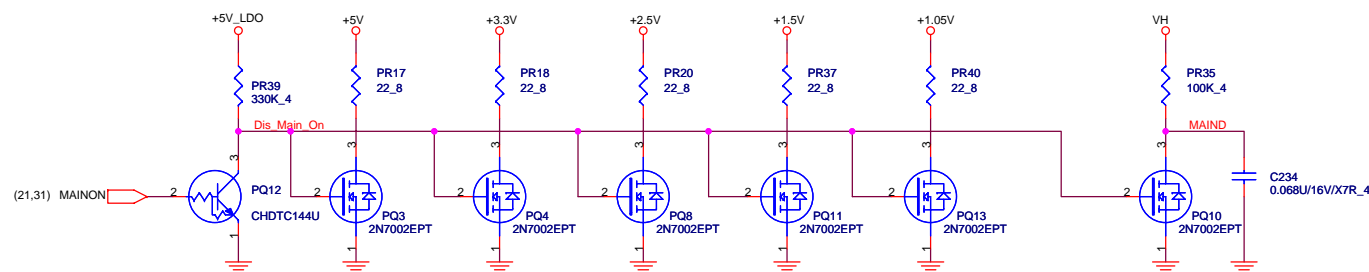




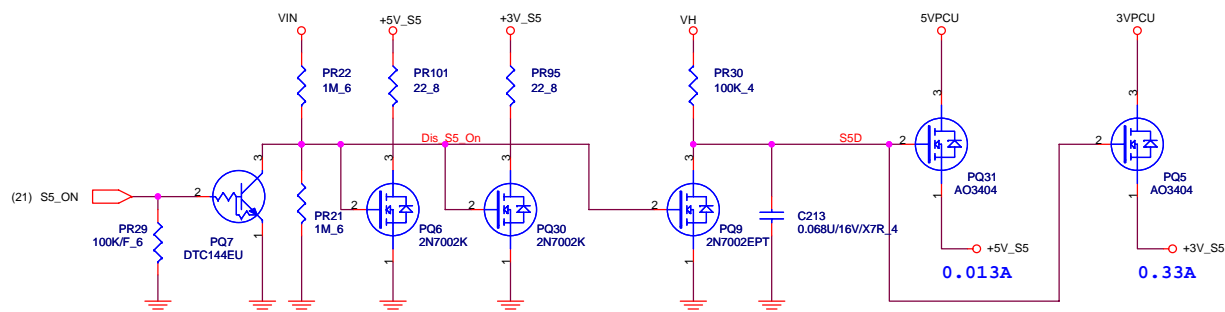




### Discharge Circuit Controller by MAINON



### Discharge Circuit Controller by S5\_ON

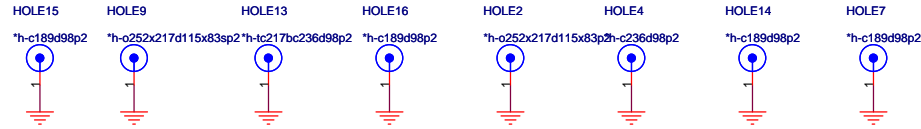




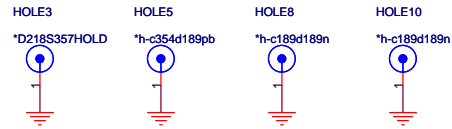


# SCREW HOLE

正面沒有接地銅箔, 背面有



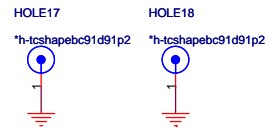
(d: 鑽孔的孔徑) 背面有露銅



108HOLD



HDD -- HOLD



240HOLD

