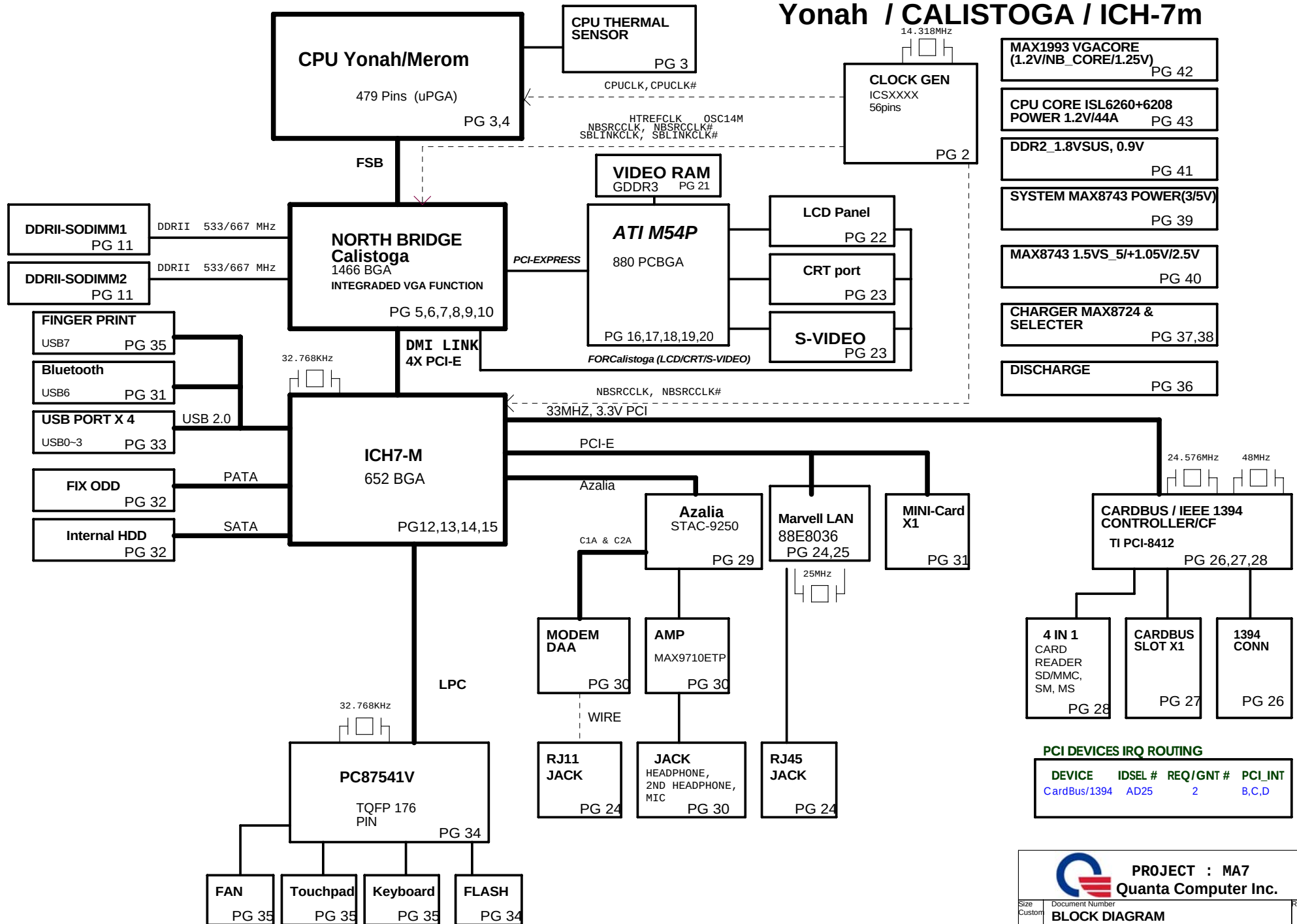


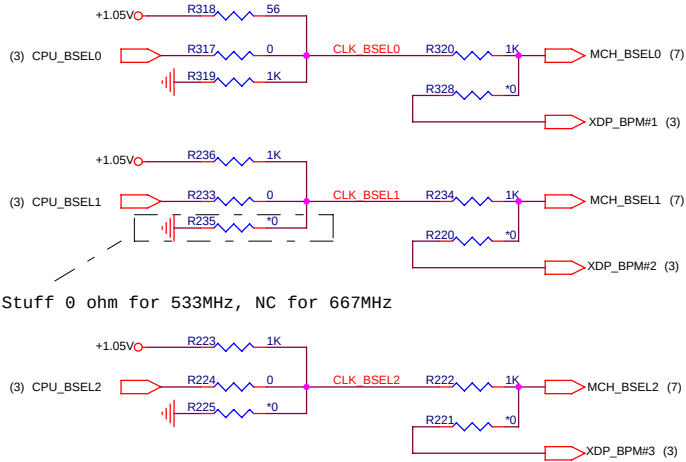
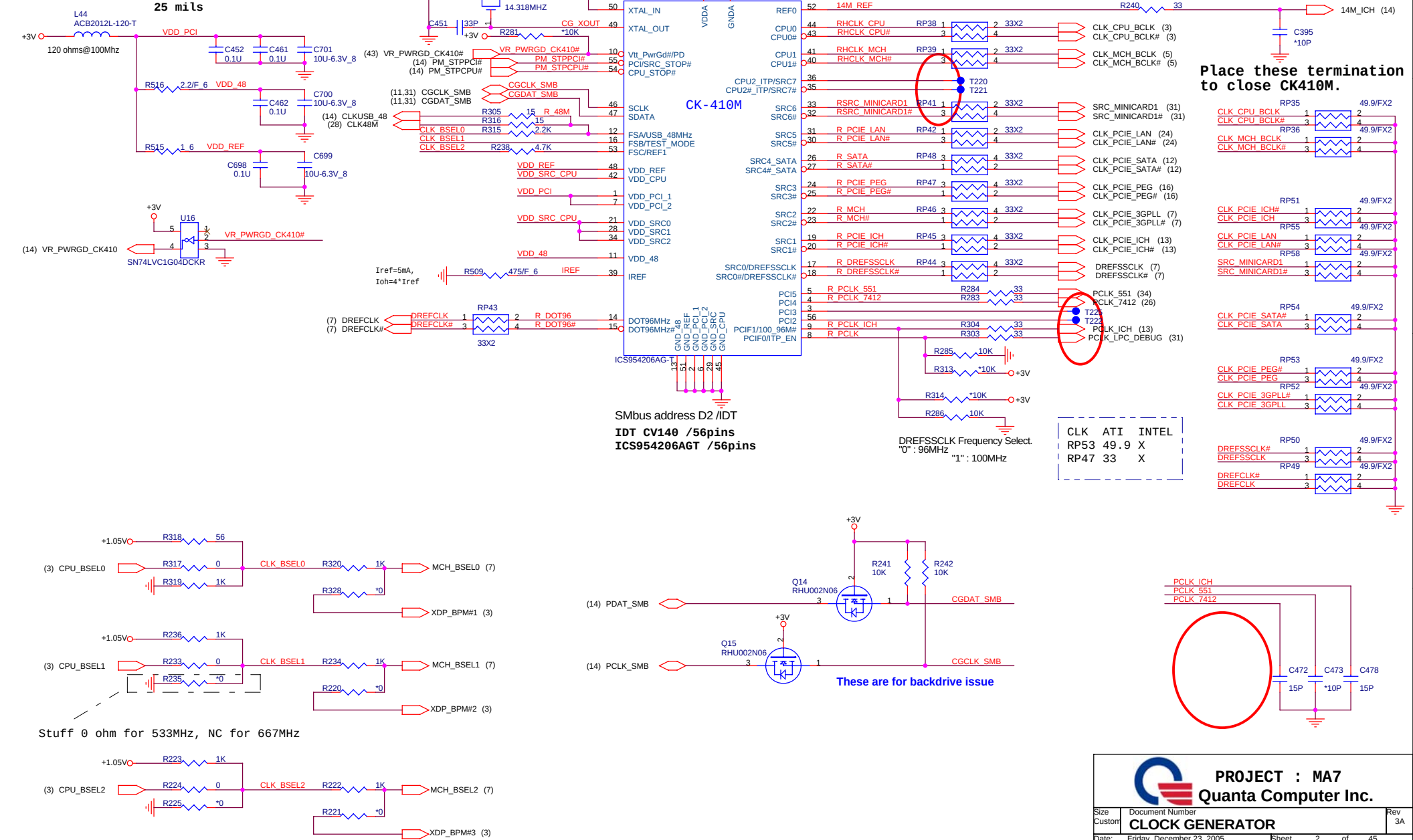
MA7 BLOCK DIAGRAM

Yonah / CALISTOGA / ICH-7m

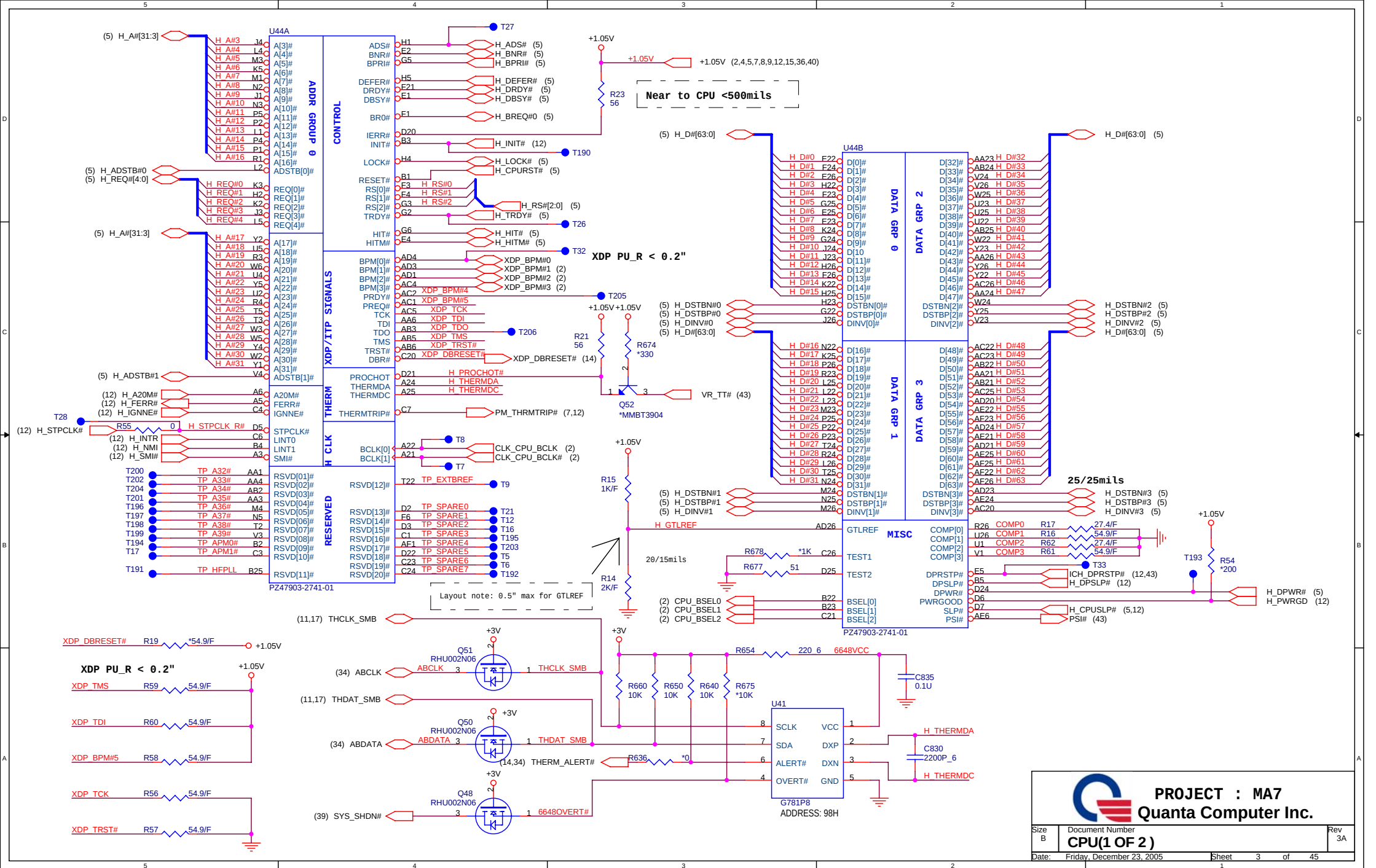


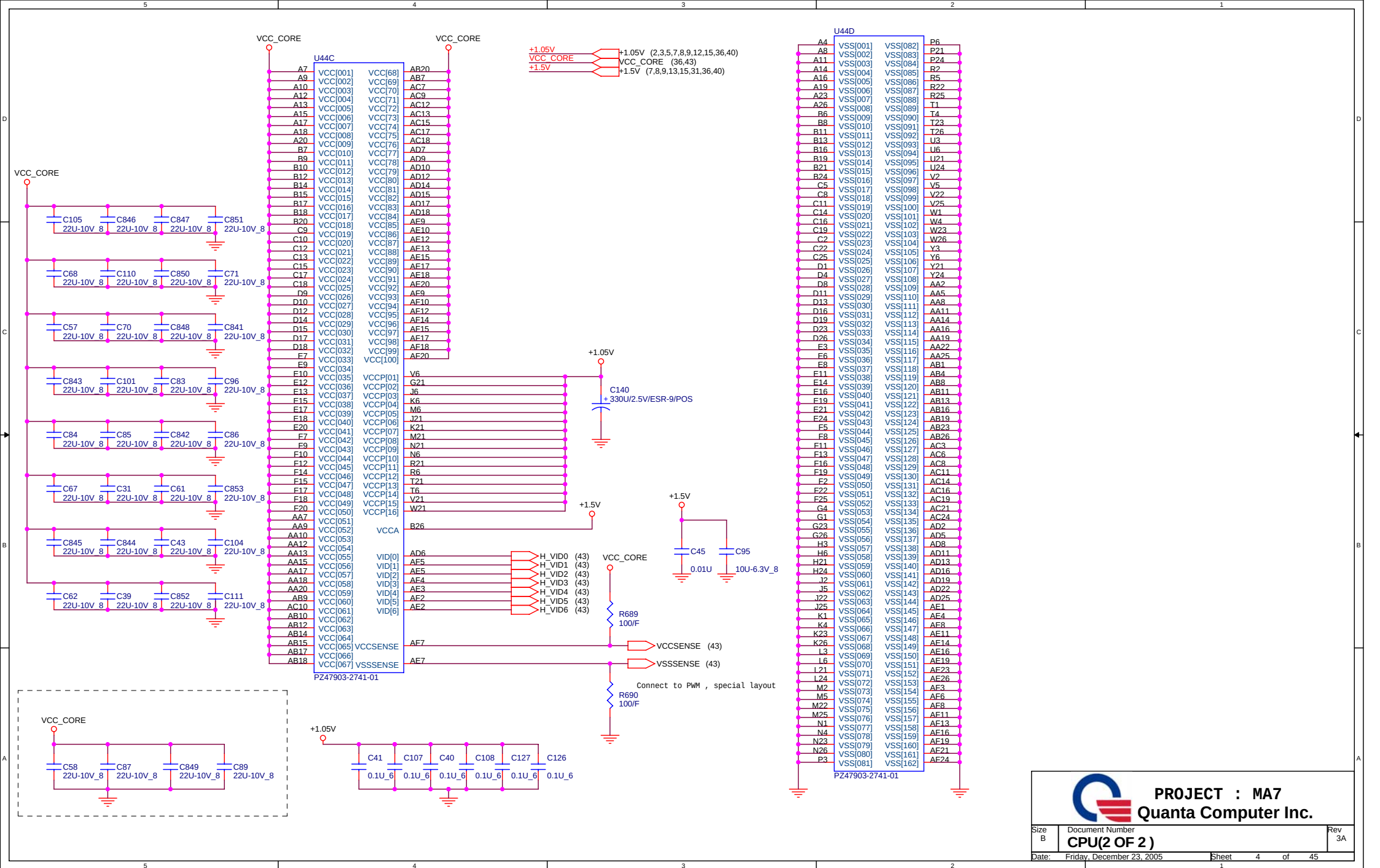
FSC	FSB	FSA	CPU	SRC	PCI
1	0	1	100	100	33
0	0	1	133	100	33
0	1	1	166	100	33
0	1	0	200	100	33
0	0	0	266	100	33
1	0	0	333	100	33
1	1	0	400	100	33
1	1	1	200	100	33

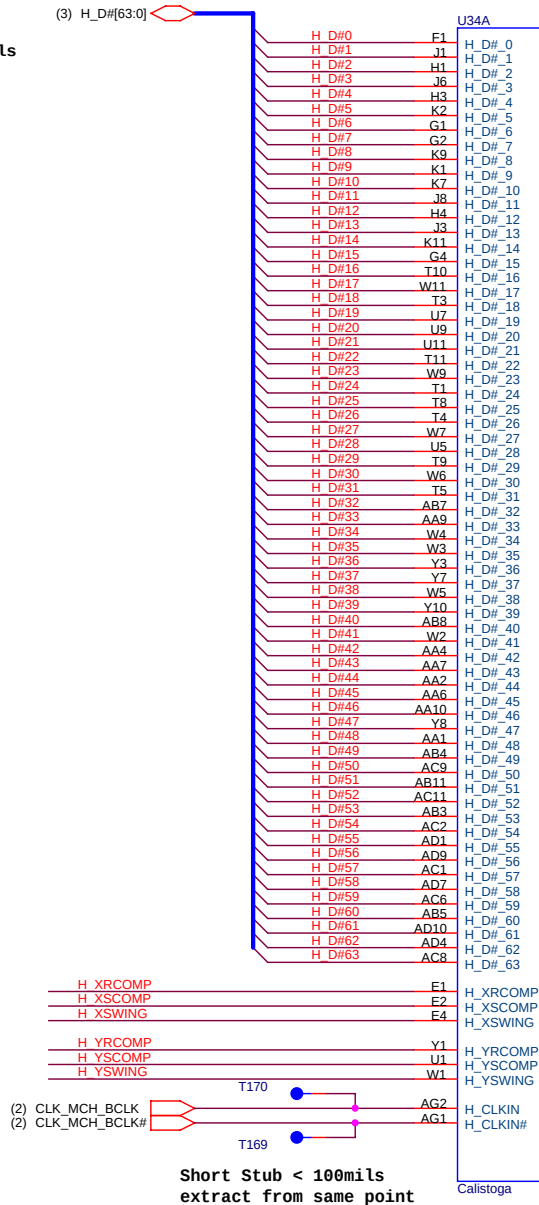
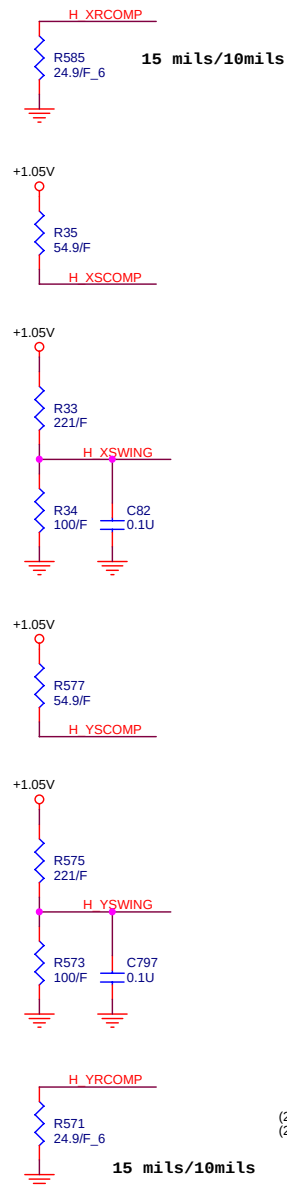
Default



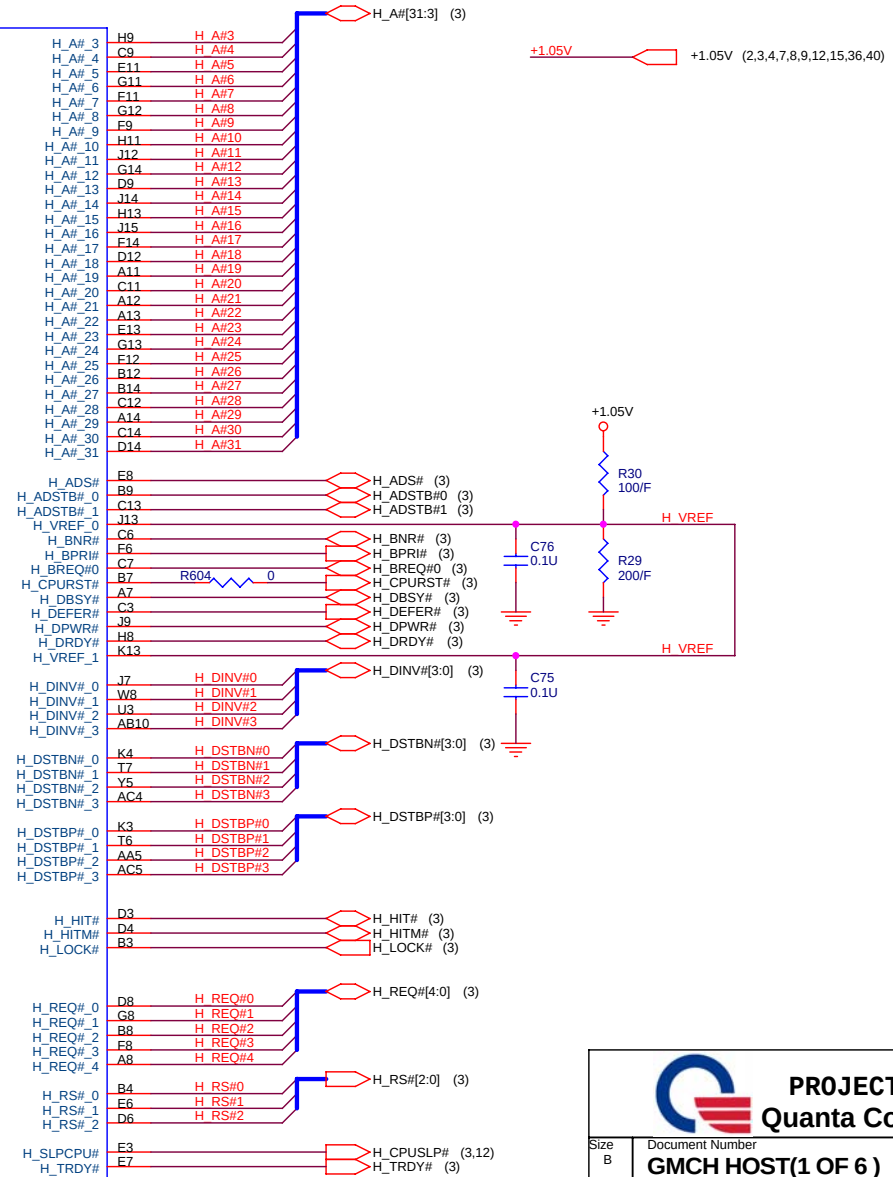
Stuff 0 ohm for 533MHz, NC for 667MHz





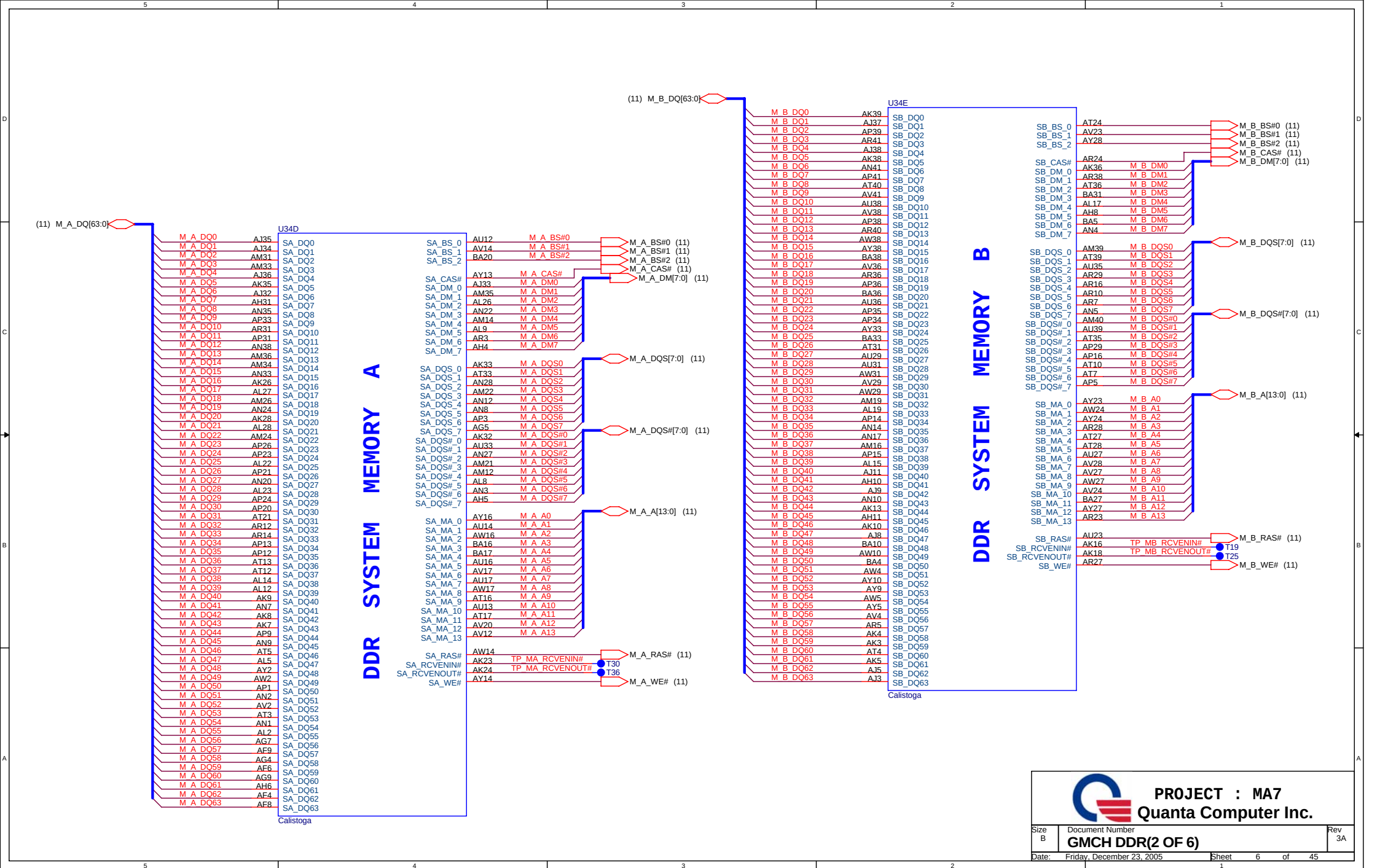


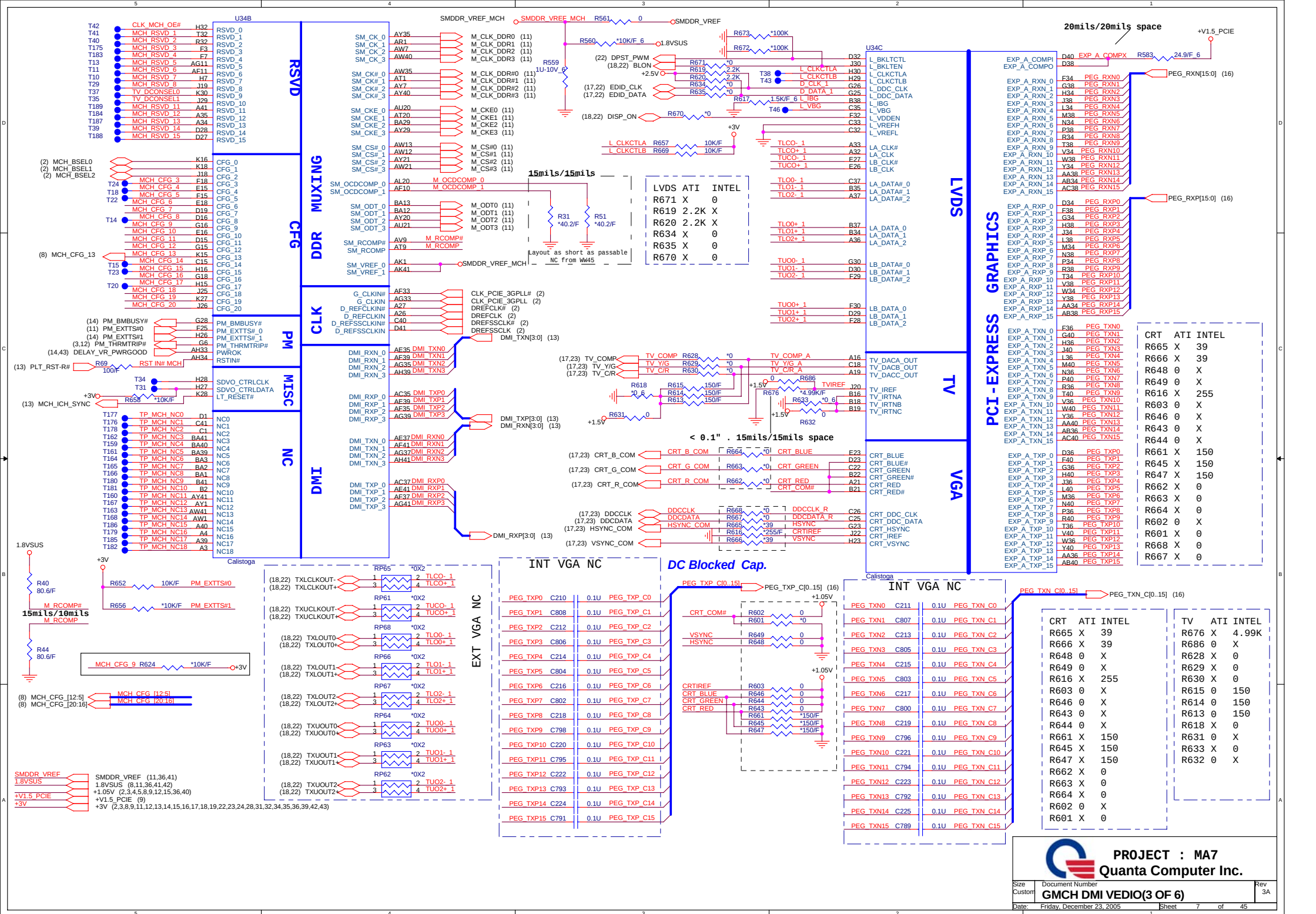
HOST

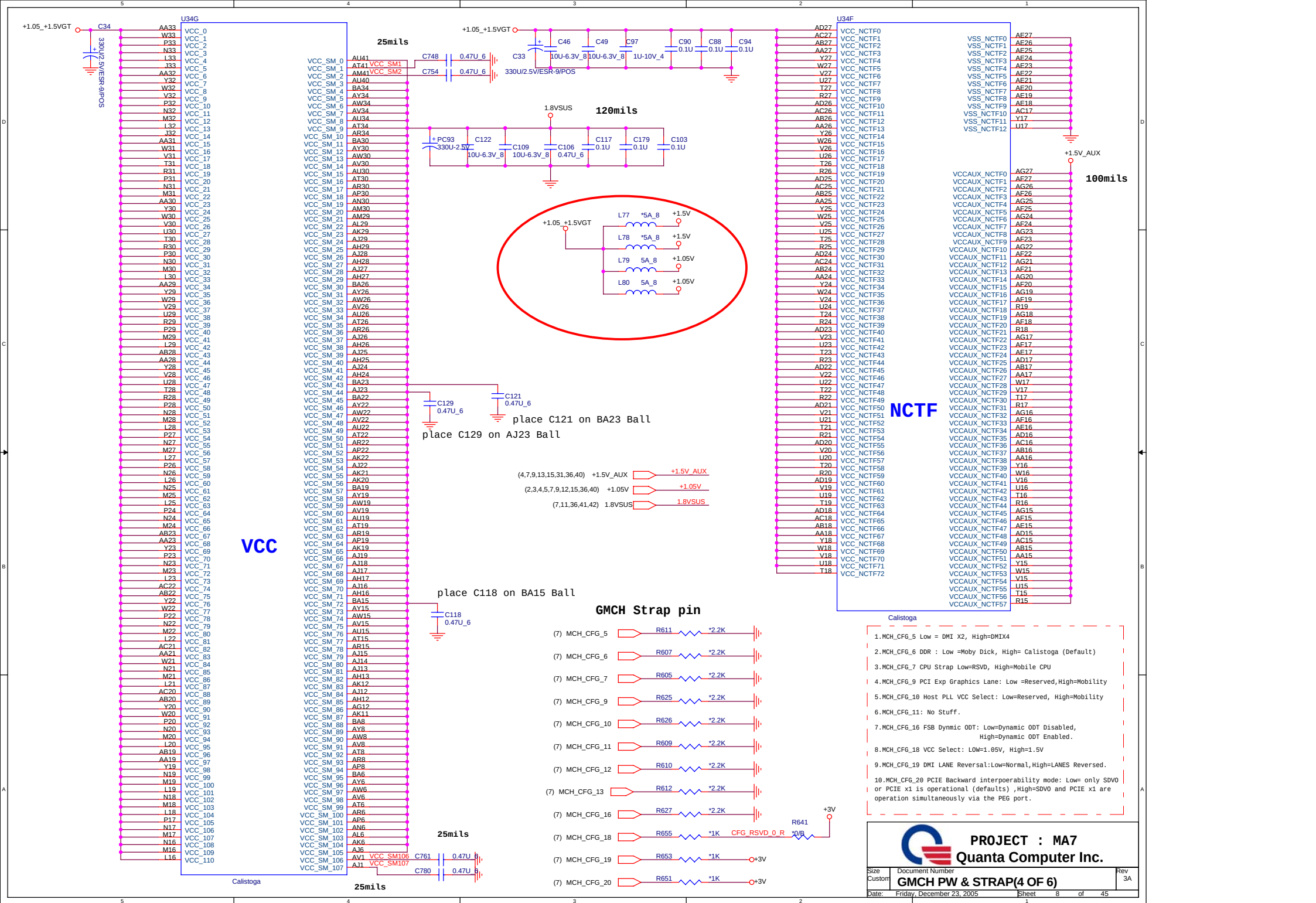


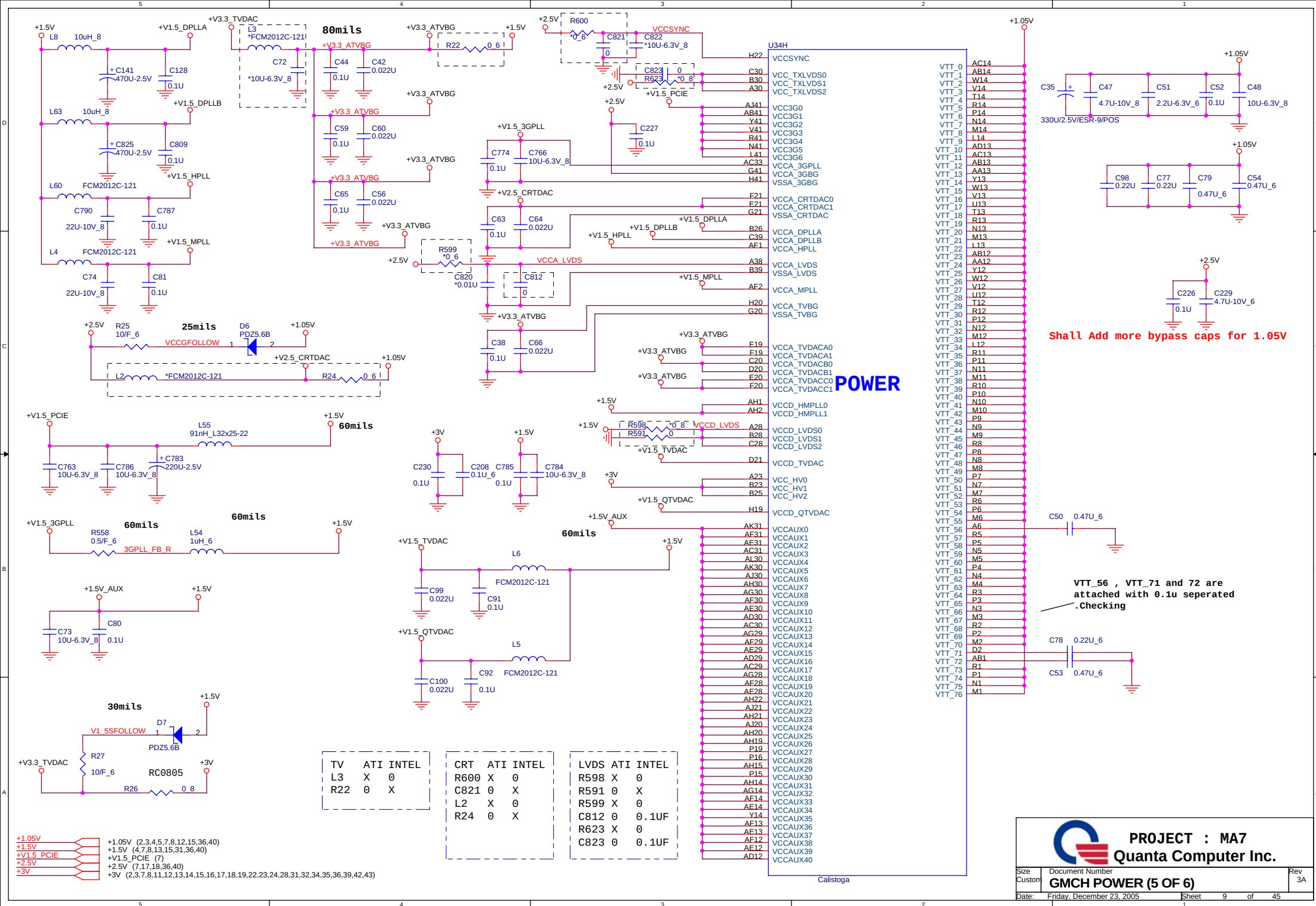
PROJECT : MA7
Quanta Computer Inc.

Size B	Document Number GMCH HOST(1 OF 6)	Rev 3A
Date: Friday, December 23, 2005	Sheet 5 of 45	

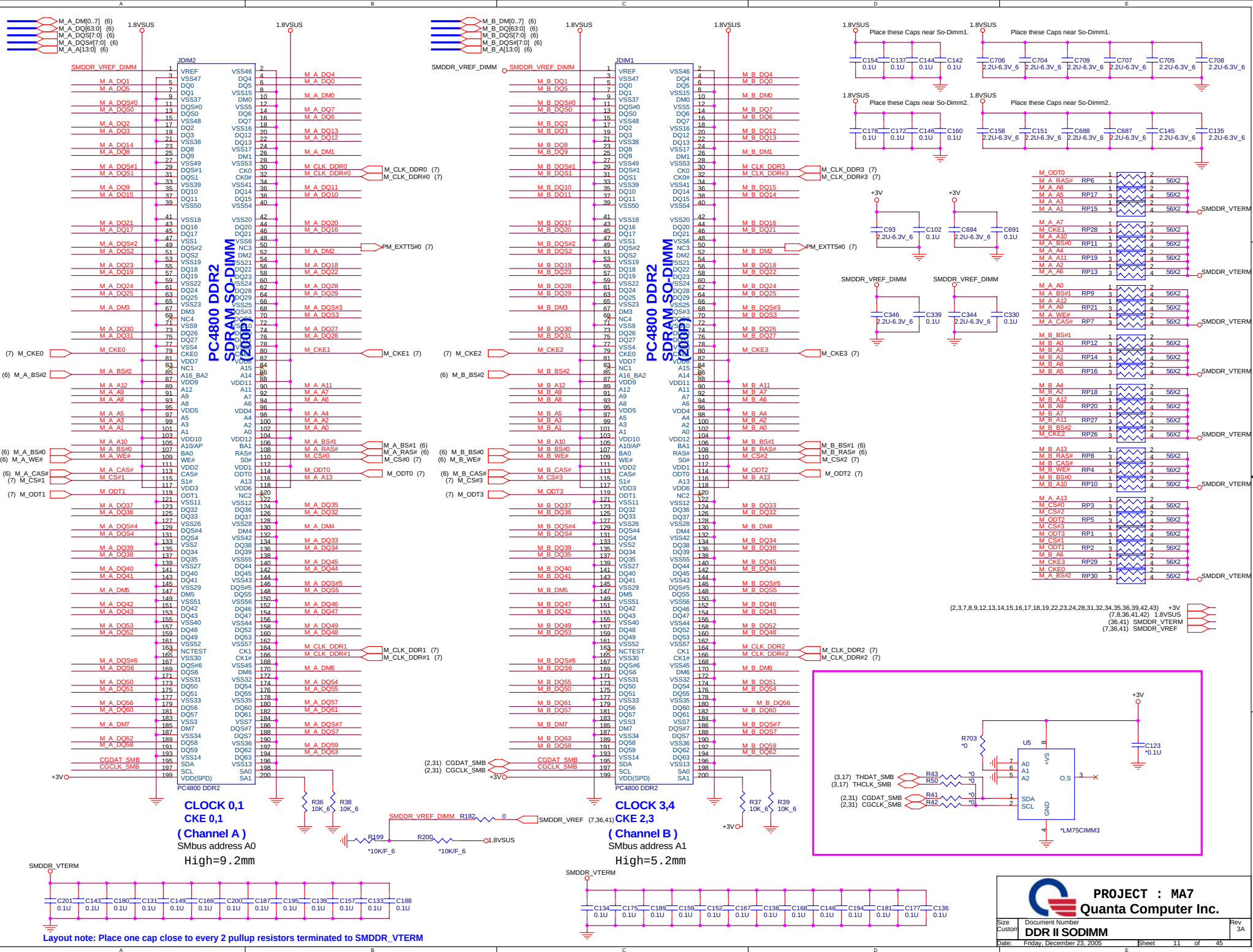




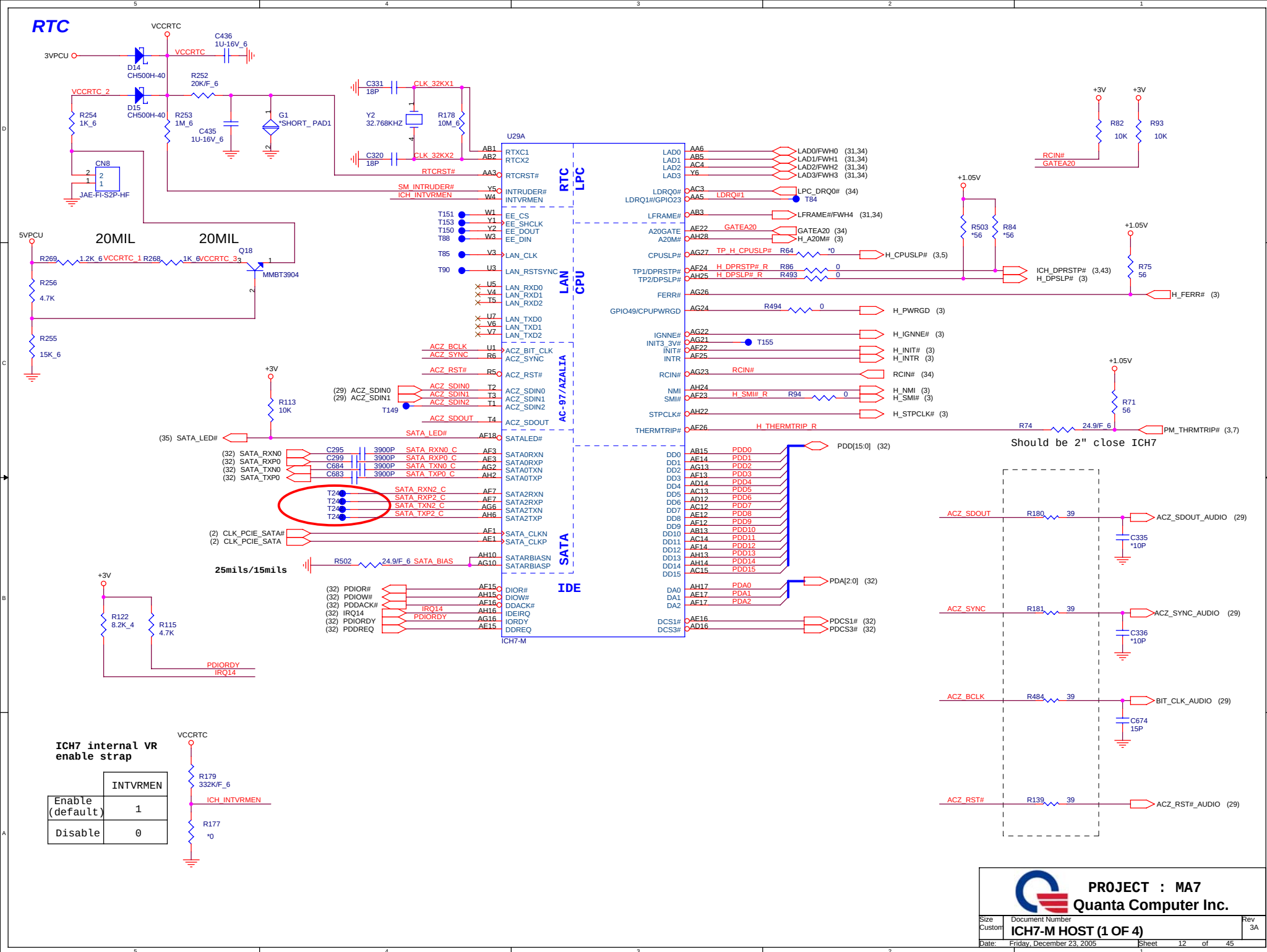








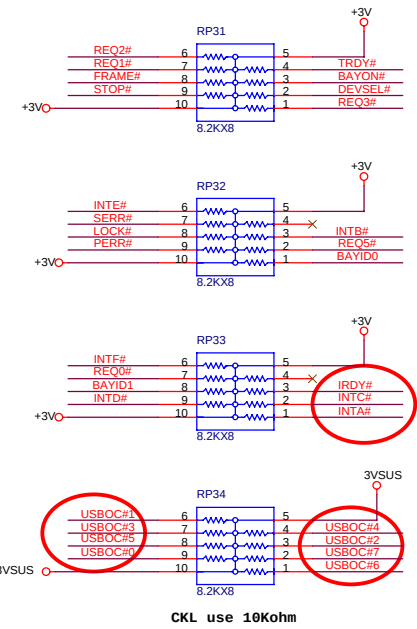
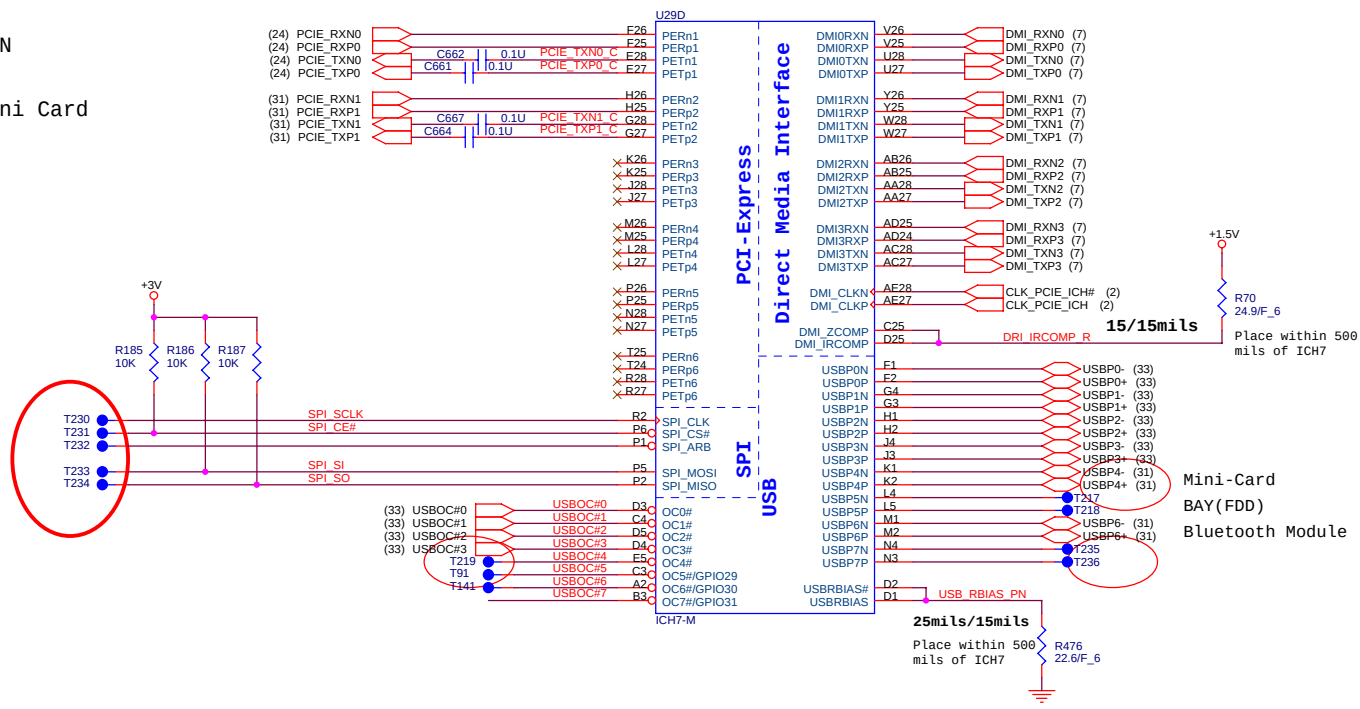
RTC



PROJECT : MA7
Quanta Computer Inc.

Size Custom	Document Number ICH7-M HOST (1 OF 4)	Rev 3
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Tekoa LAN
PCI-E Mini Card



ICH7 Boot BIOS select

	STRAP	GNT5# R1	GNT4# R2
LPC (default)	11	UNSTUFF	UNSTUFF
PCI	10	UNSTUFF	STUFF
SPI	01	STUFF	UNSTUFF

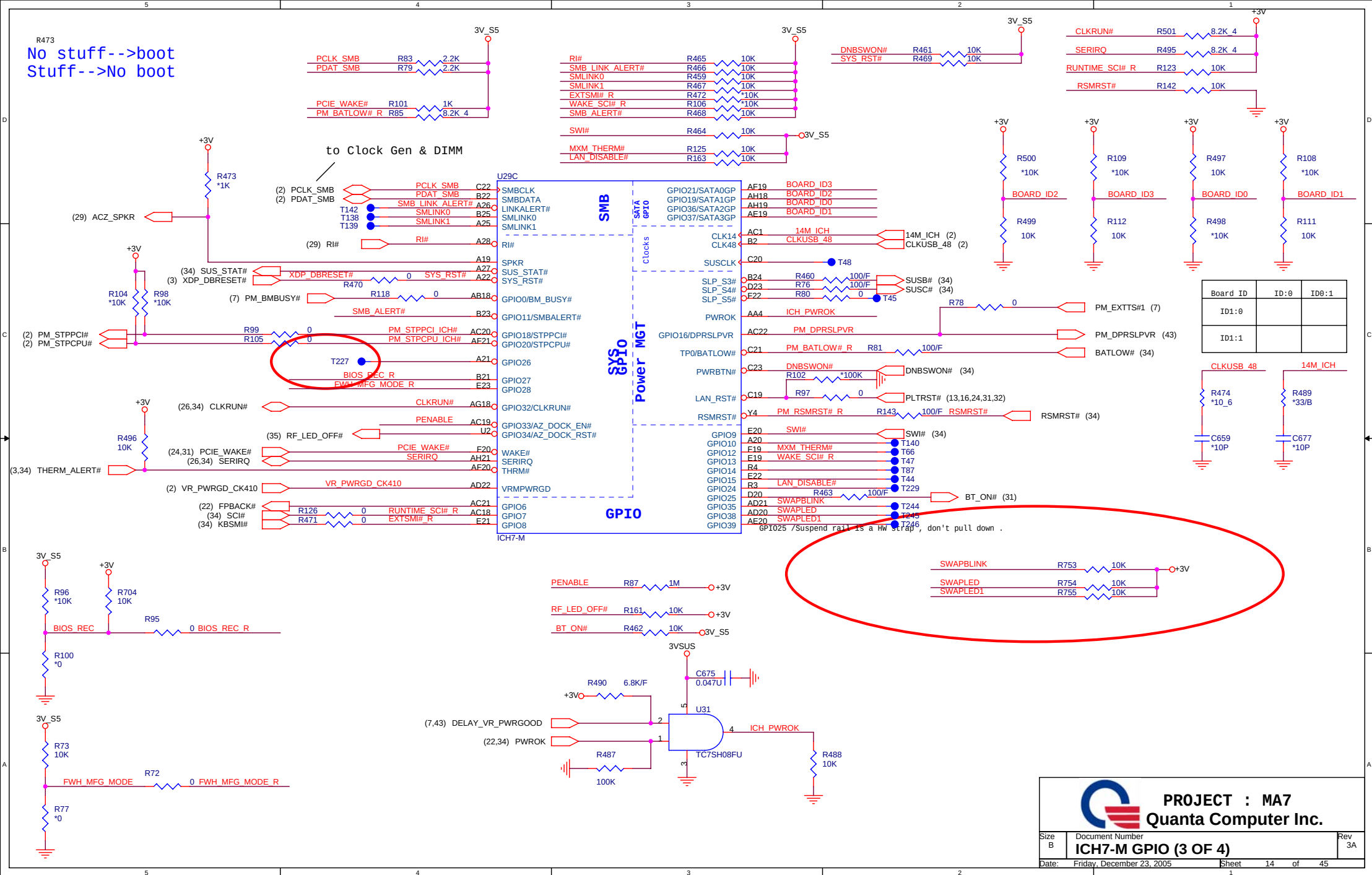
PCI DEVICE	IDSEL#	REQ# / GNT#	Interrupts
PCI7412	AD25	REQ2# / GNT2#	INT B/C/D#

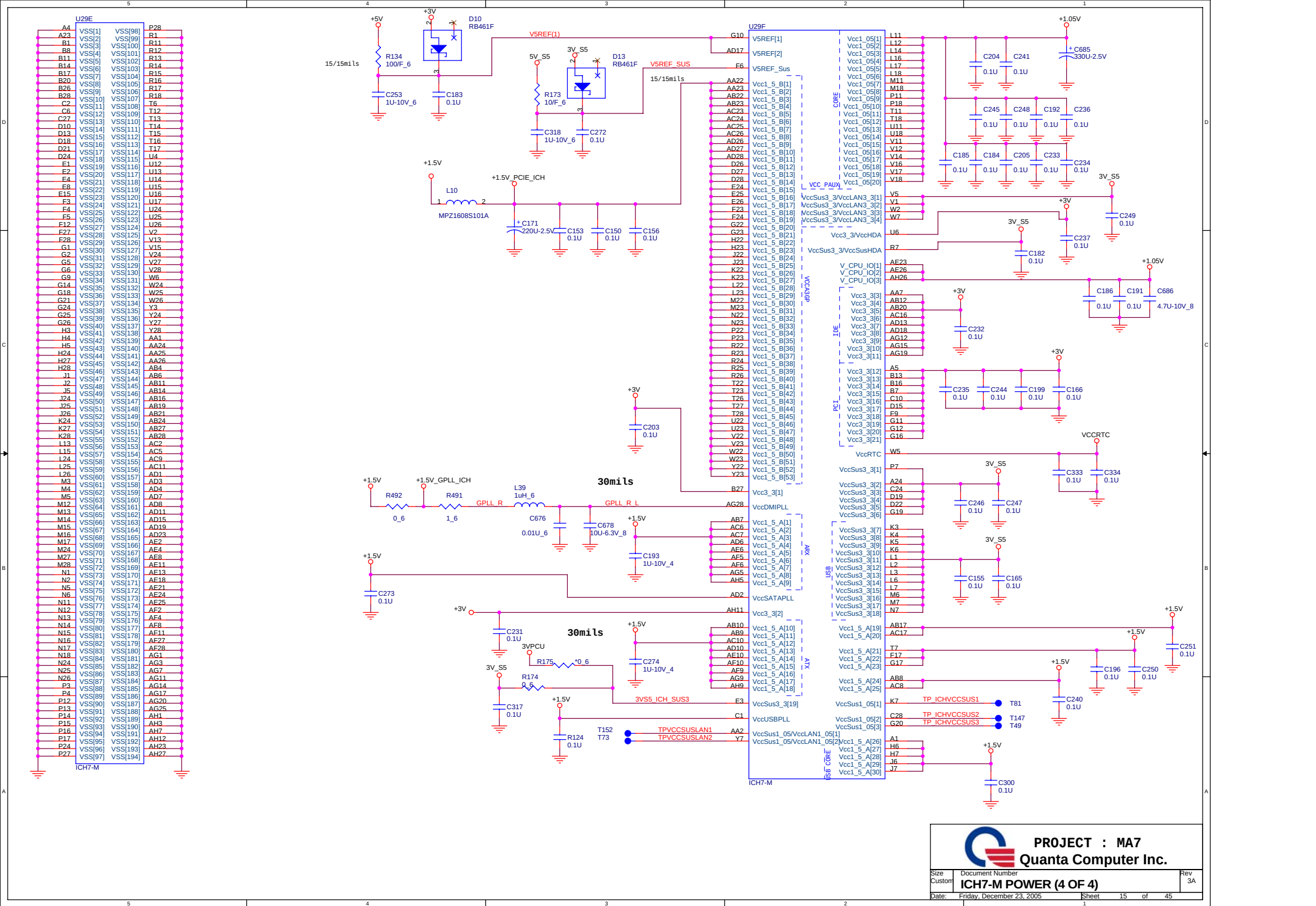
PROJECT : MA7
Quanta Computer Inc.

Size Custom	Document Number	Rev 3A
ICH7-M PCI E (2 OF 4)		
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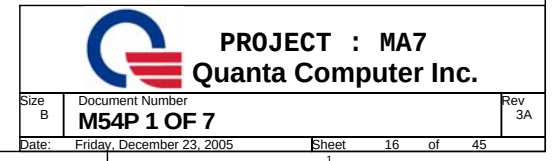
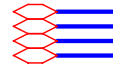
R473

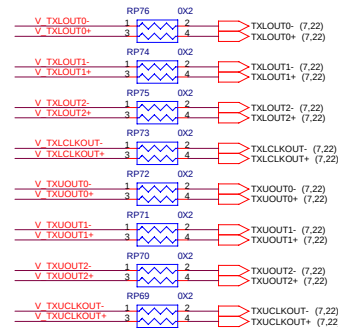
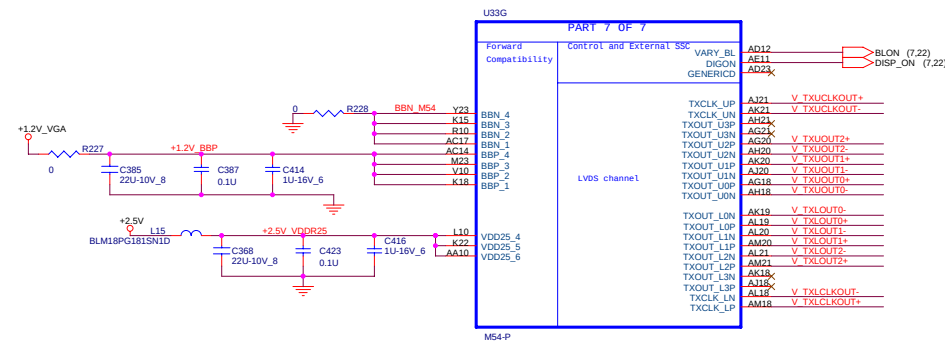
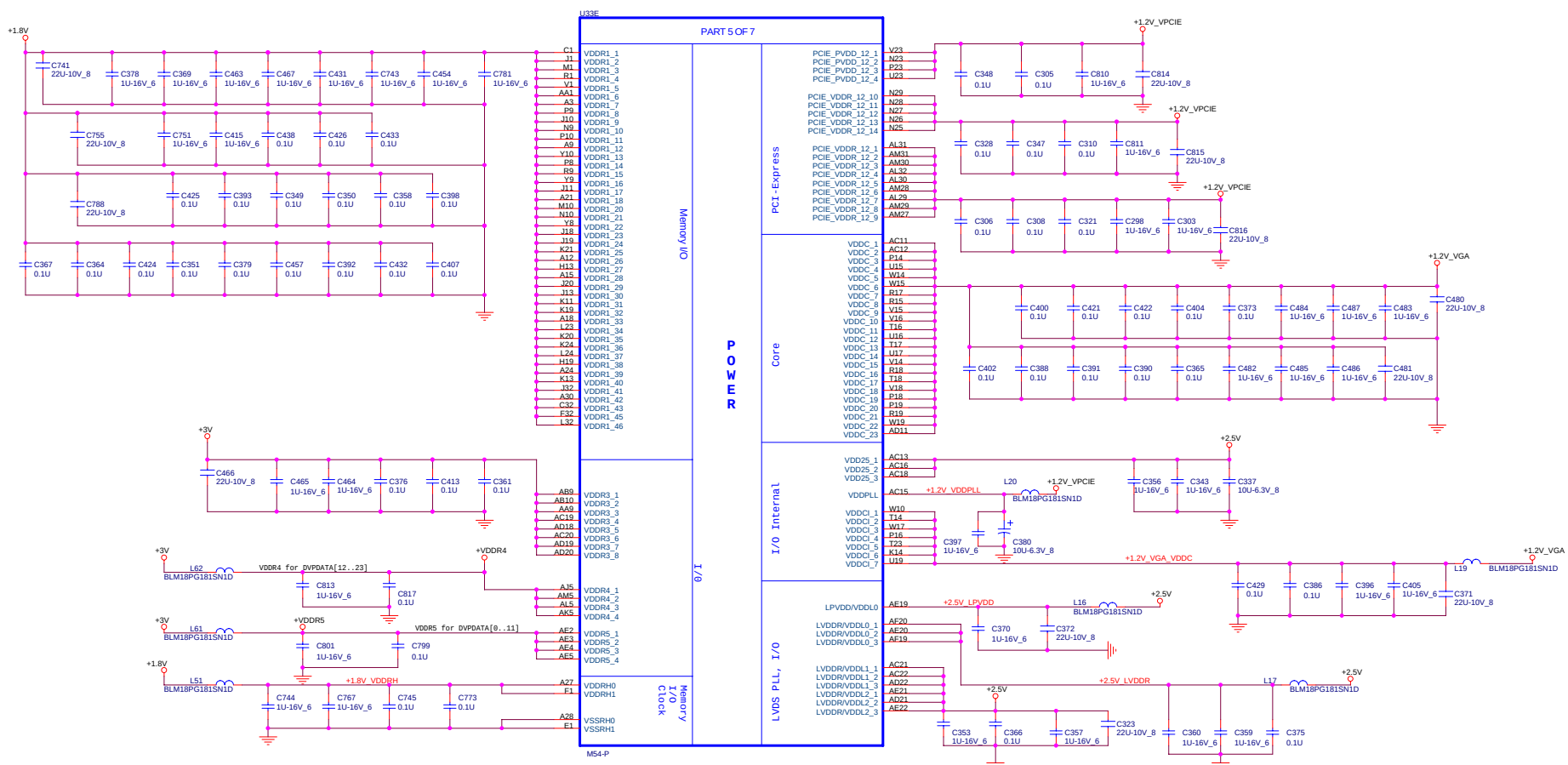
No stuff-->boot
Stuff-->No boot

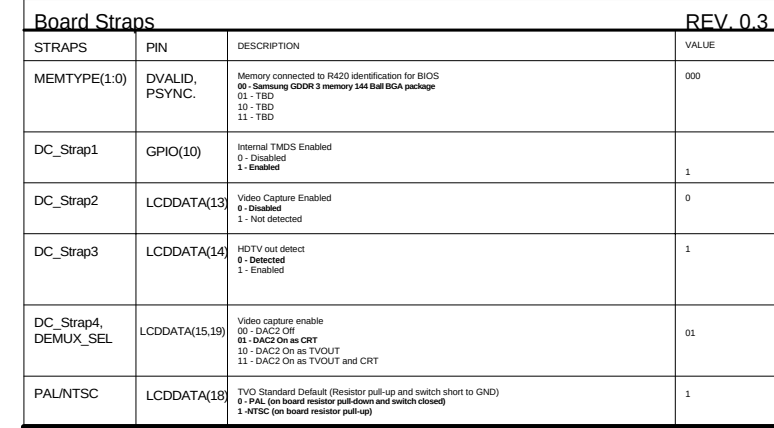




```
(7) PEG_RXP[15:0]
(7) PEG_RXN[15:0]
(7) PEG_TXP_C[0..15]
(7) PEG_TXN_C[0..15]
```



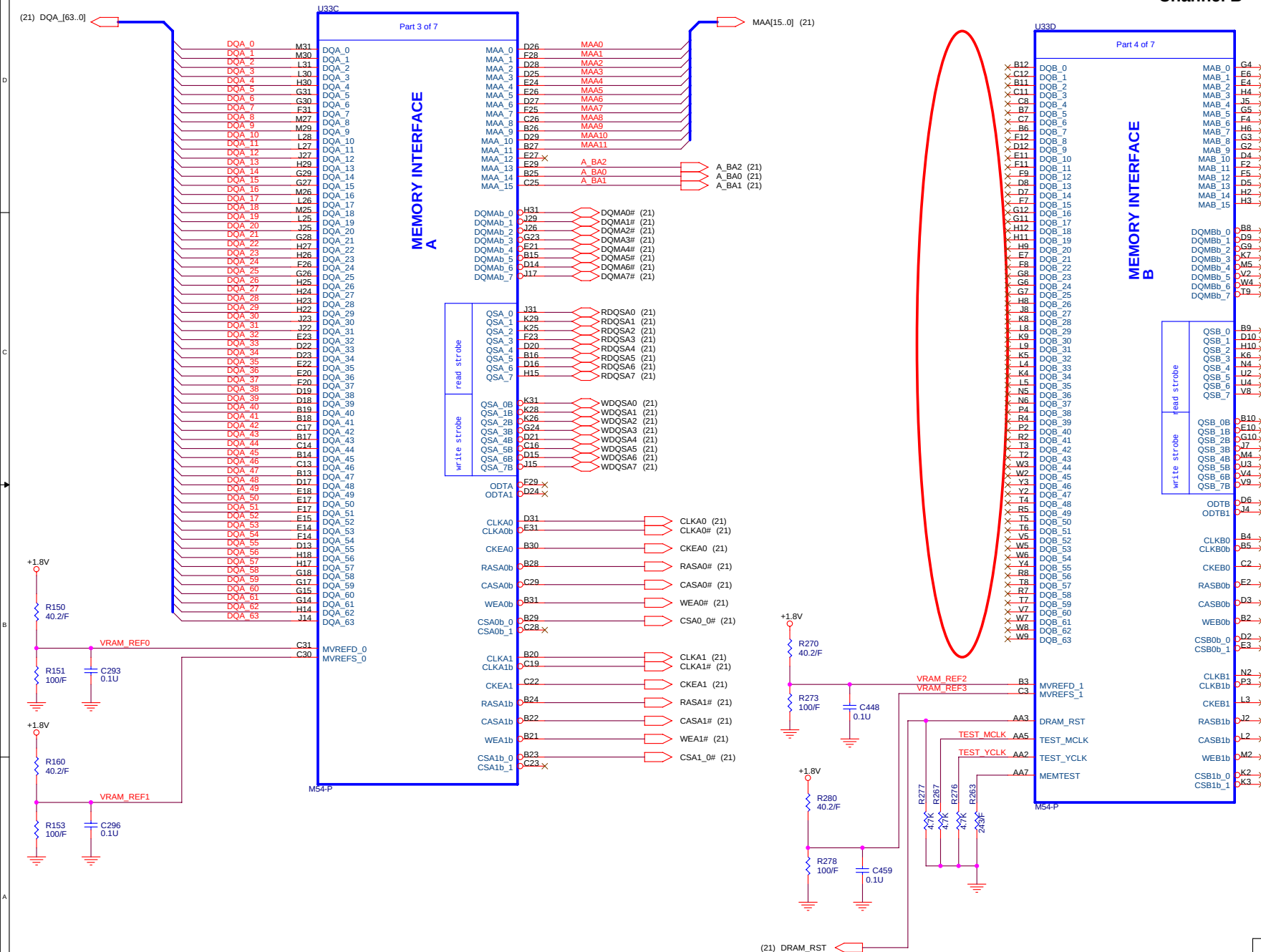




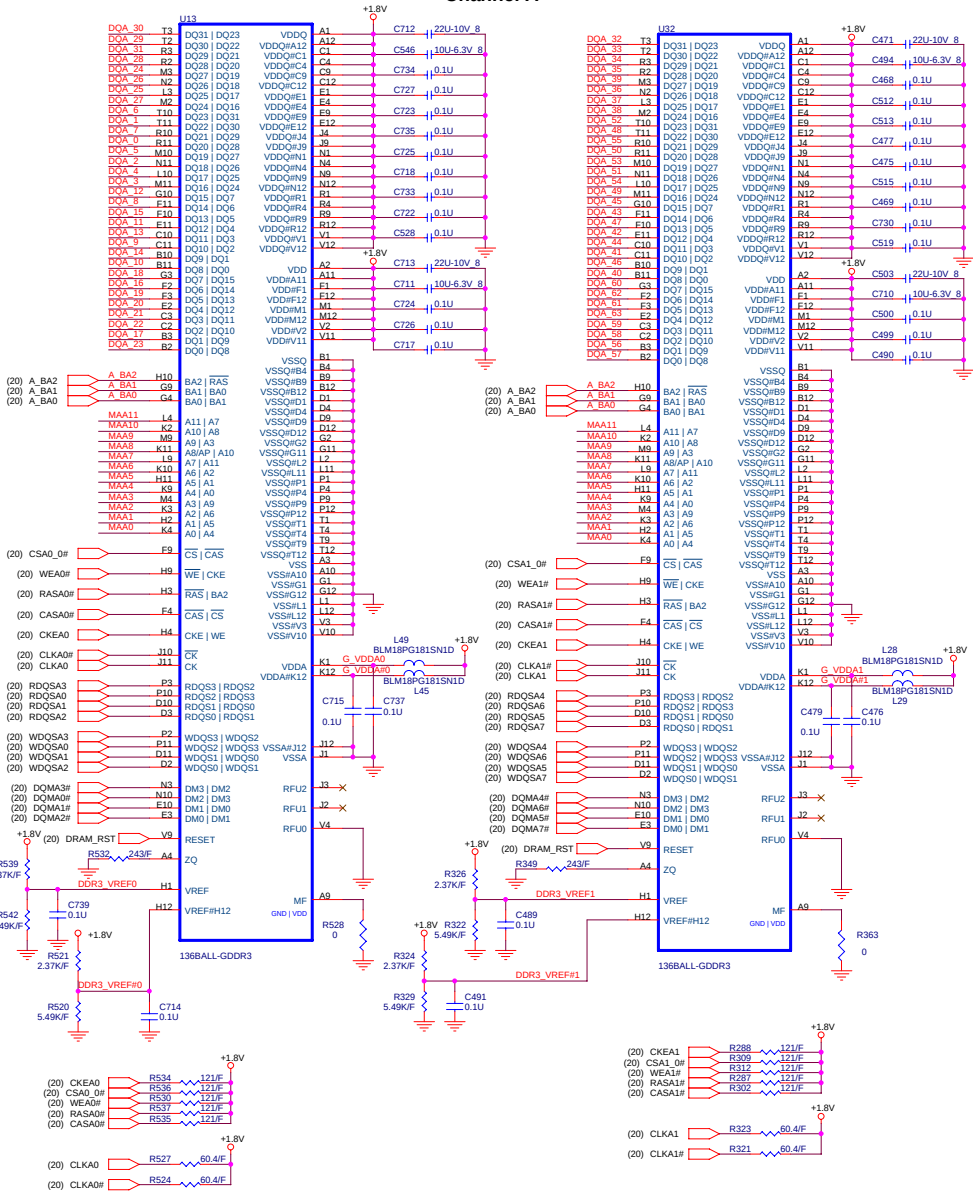
```
Memory Aperture Size Select
When no ROM is attached, GPIO[9] is set to 0.
GPIO[13:12] is used to select the memory aperture
size.
GPIO[13:12] = 00: 128M memory aperture, same as ROM
strap 00
GPIO[13:12] = 01: 256M memory aperture, same as ROM
strap 01
GPIO[13:12] = 10: 64M memory aperture, same as ROM
strap 10
GPIO[13:12] = 11: reserved, same as ROM strap 11
```

Channel A RV410 MEMORY CHANNELS A and B

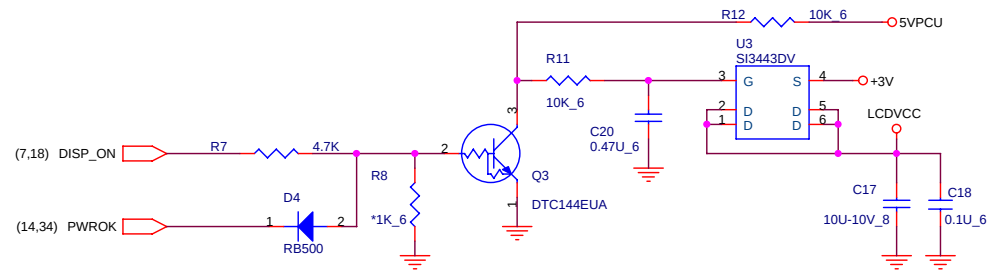
Channel B



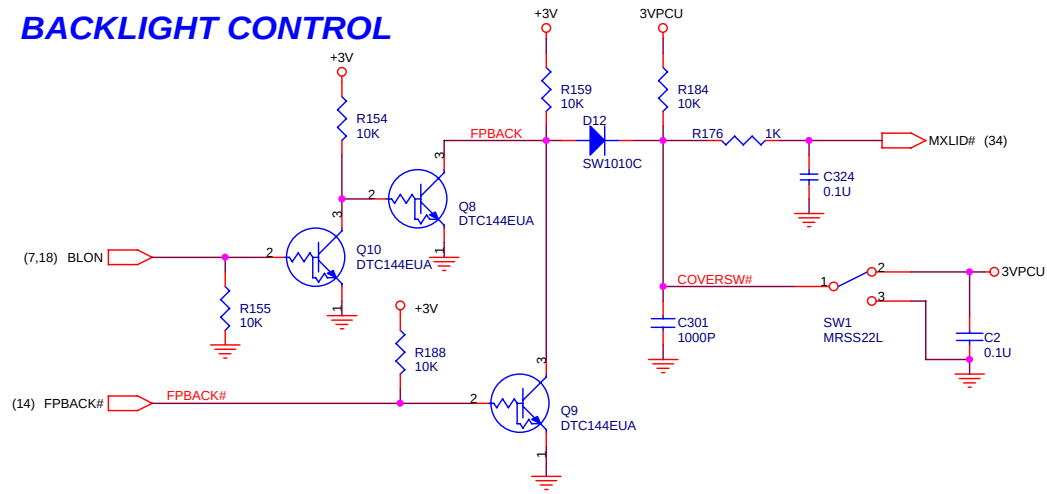
PROJECT : MA7
Quanta Computer Inc.



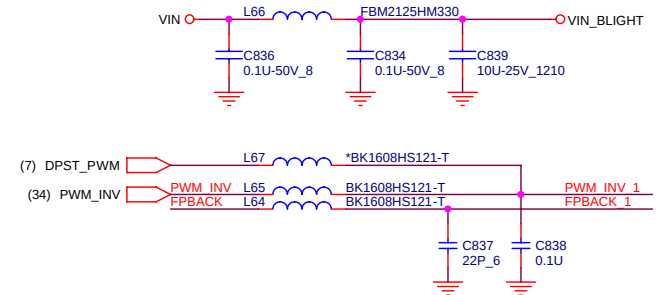
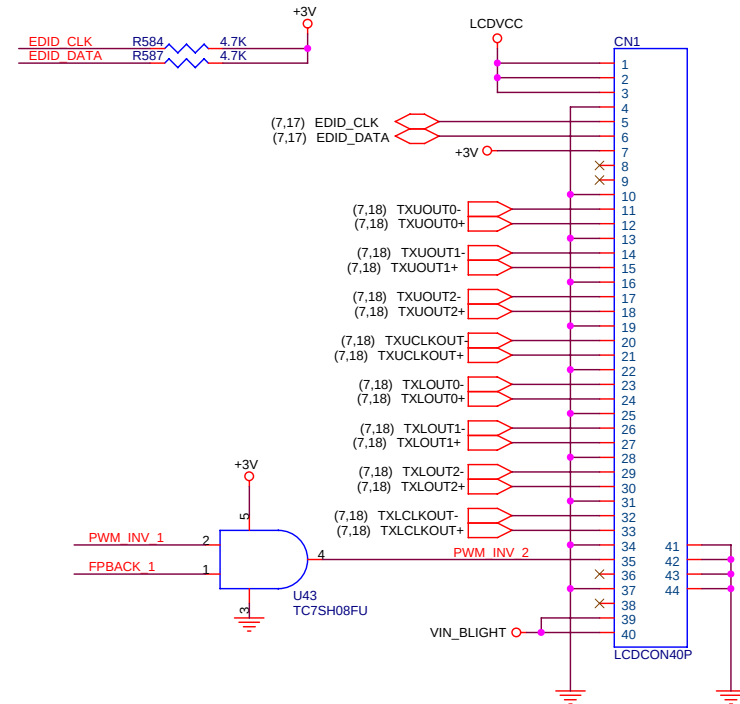
BACKLIGHT CONTROL



BACKLIGHT CONTROL

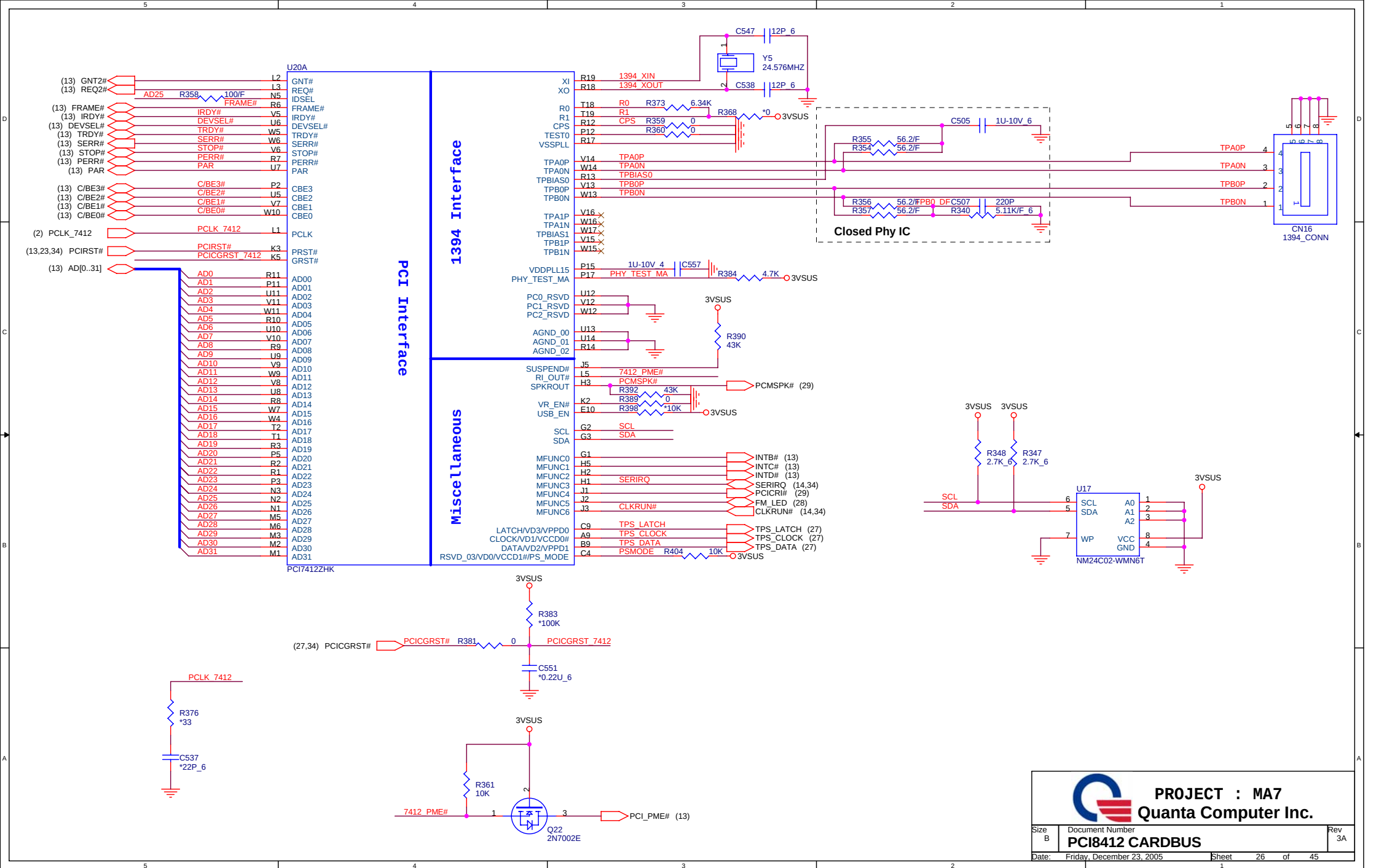


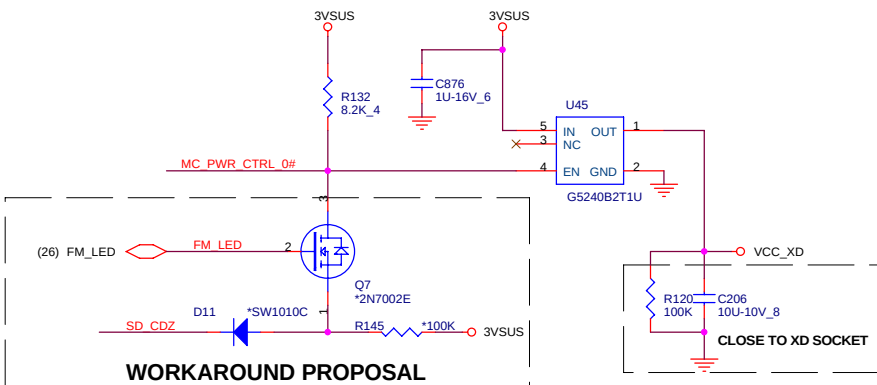
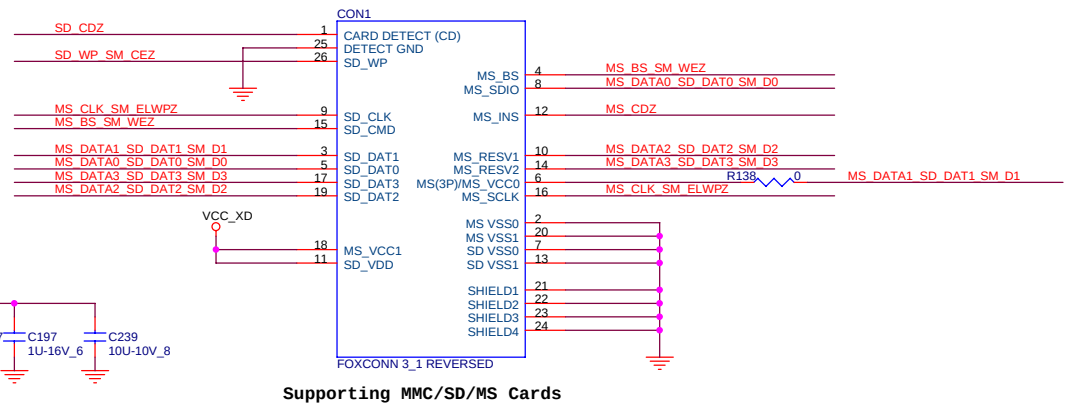
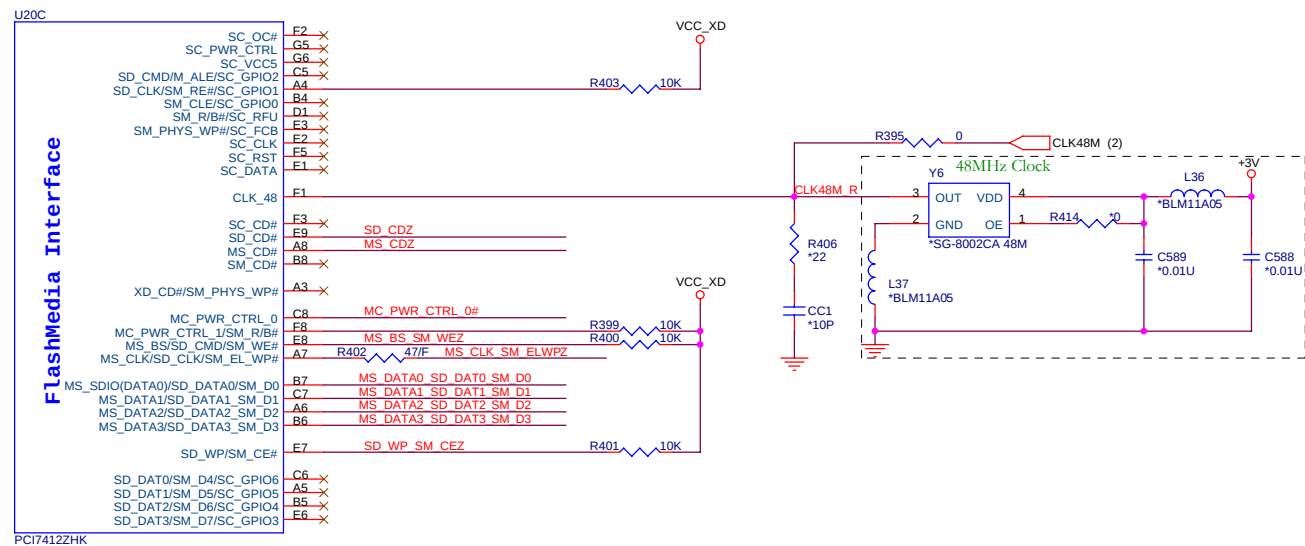
LCD CONNECTOR

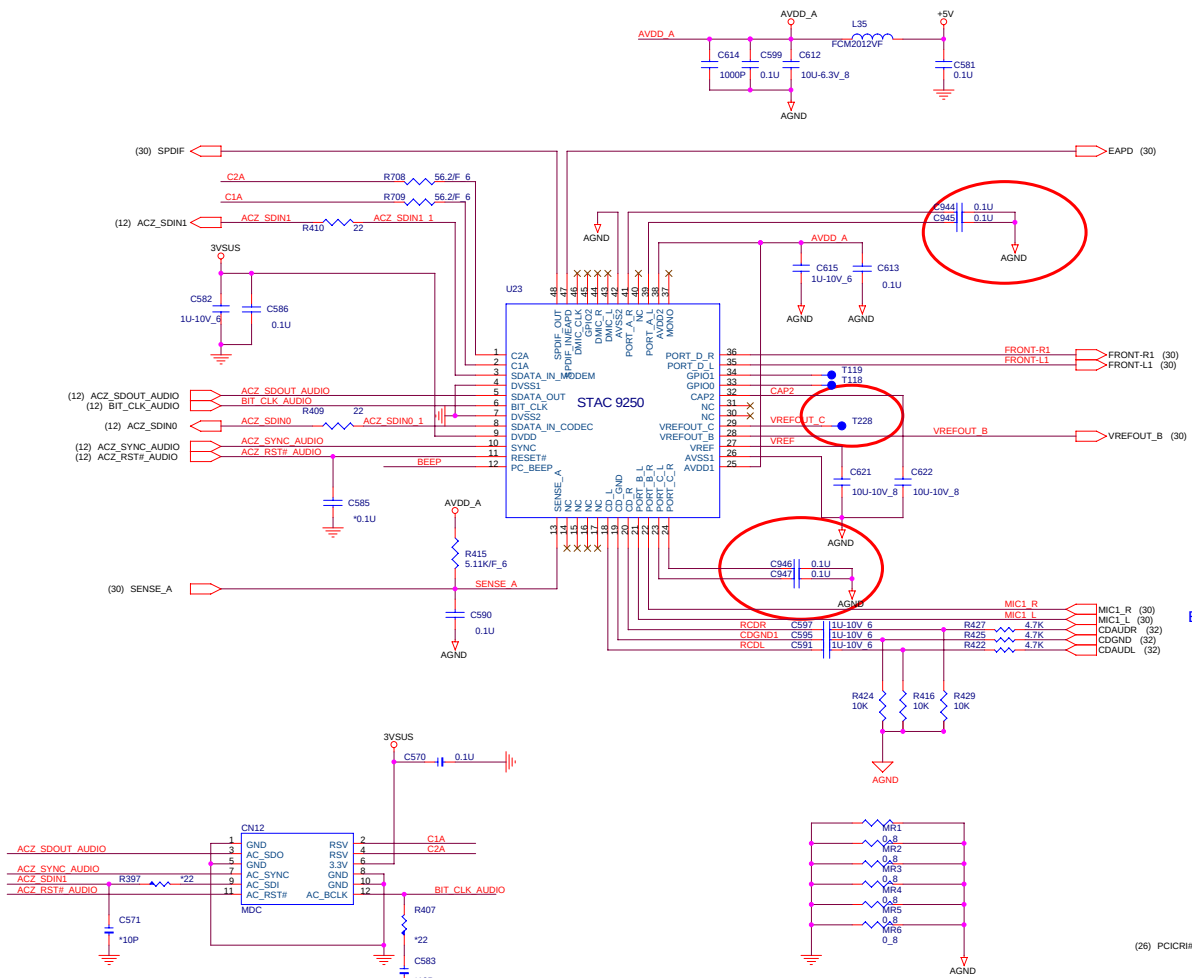


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Quanta Computer Inc.

Size B	Document Number LCD CONN	Rev 3A
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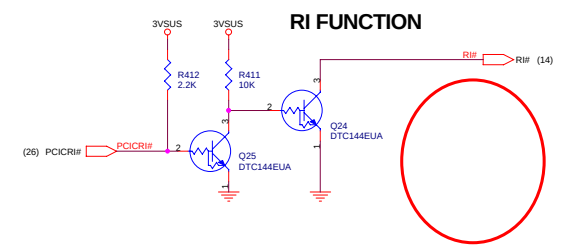
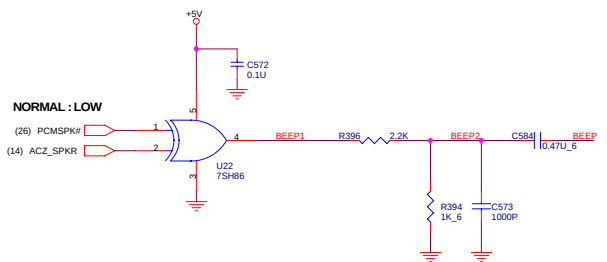


speakers

External MIC

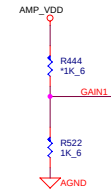
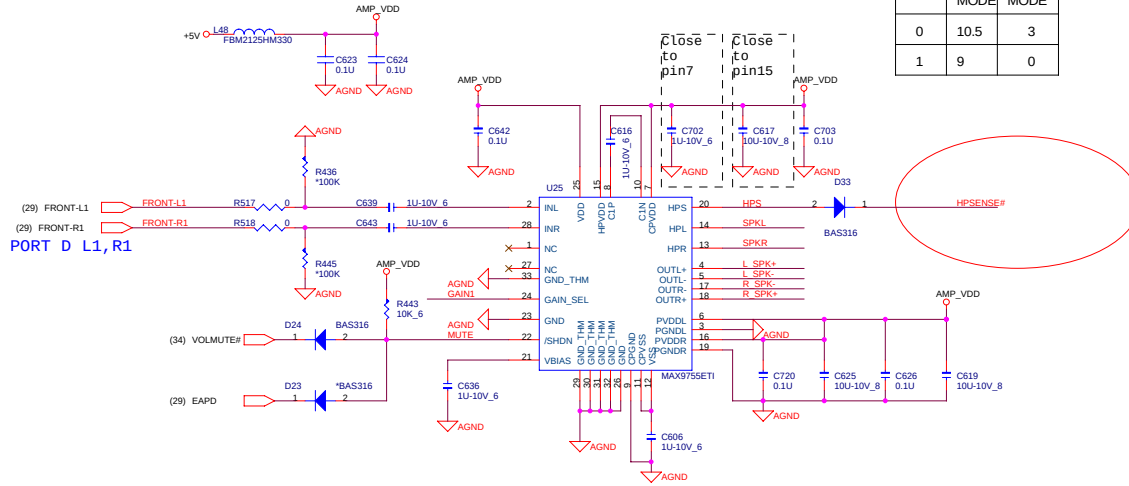
For MDC/DAA Module

PC BEEP CONTROL

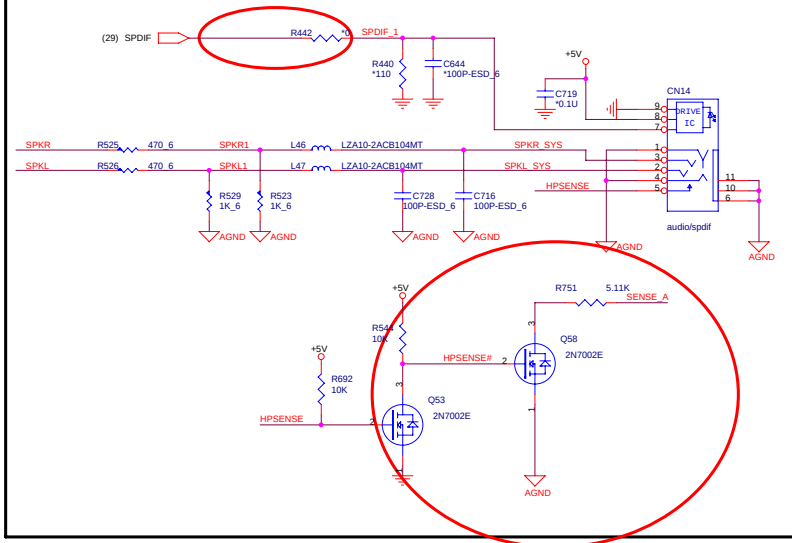


AUDIO AMPLIFIER-MAX9755

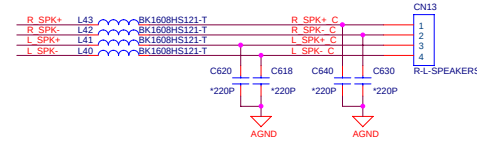
GAIN1	SPKR MODE	HP MODE
0	10.5	3
1	9	0



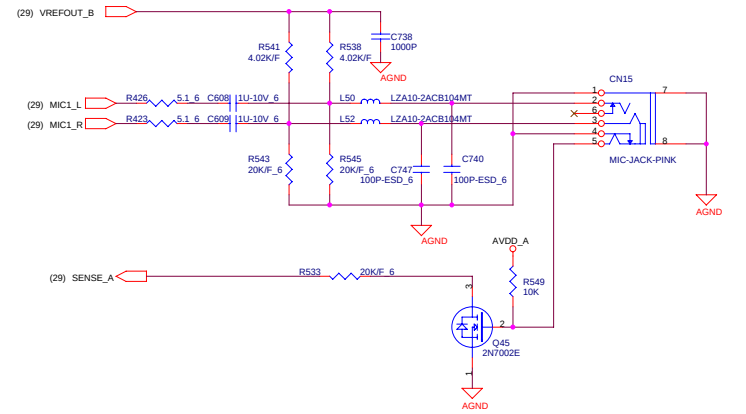
Headphone out



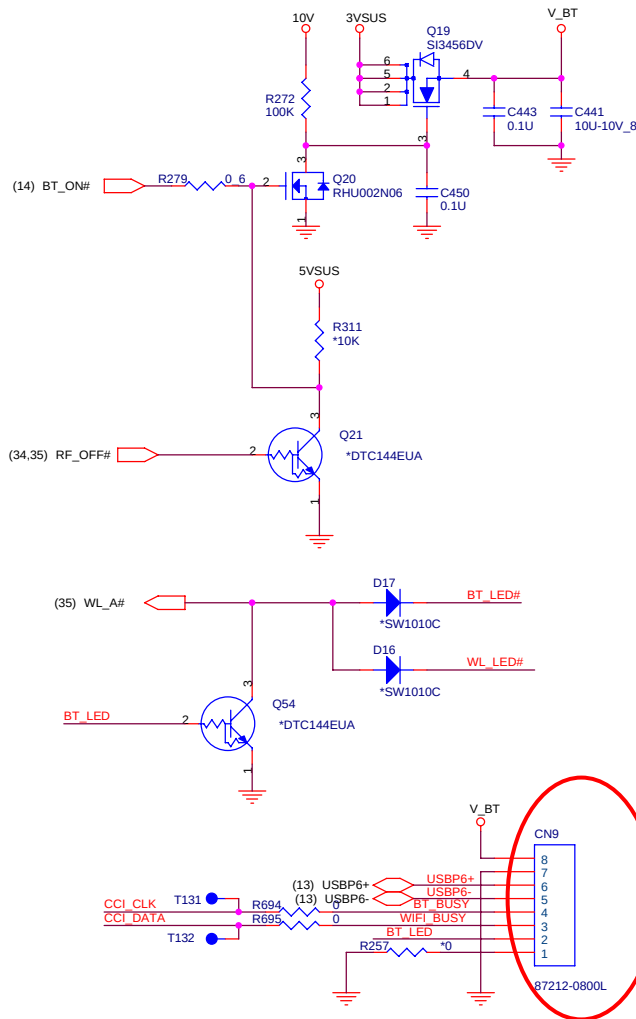
Int. Stereo Speakers



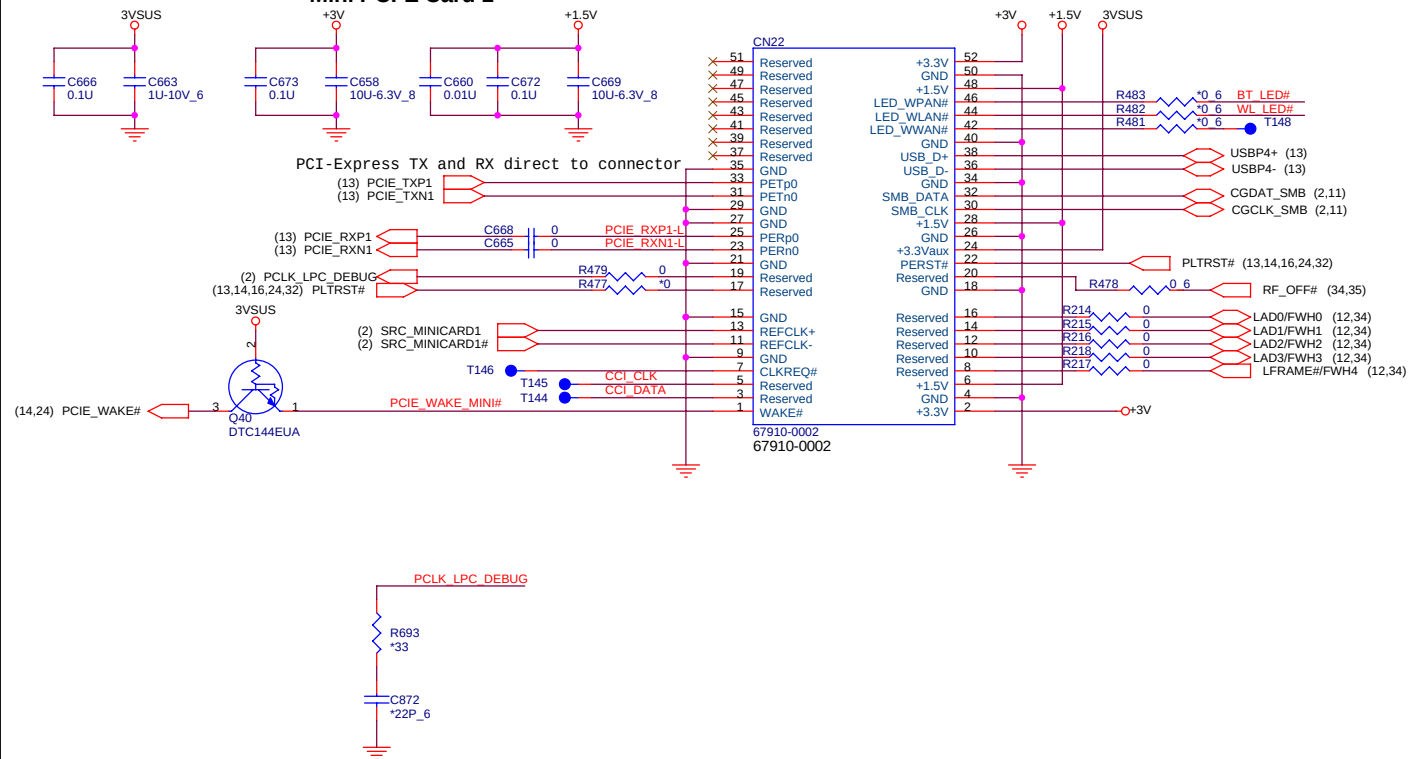
Mic in



BLUETOOTH CONNECTOR



Mini PCI-E Card 1

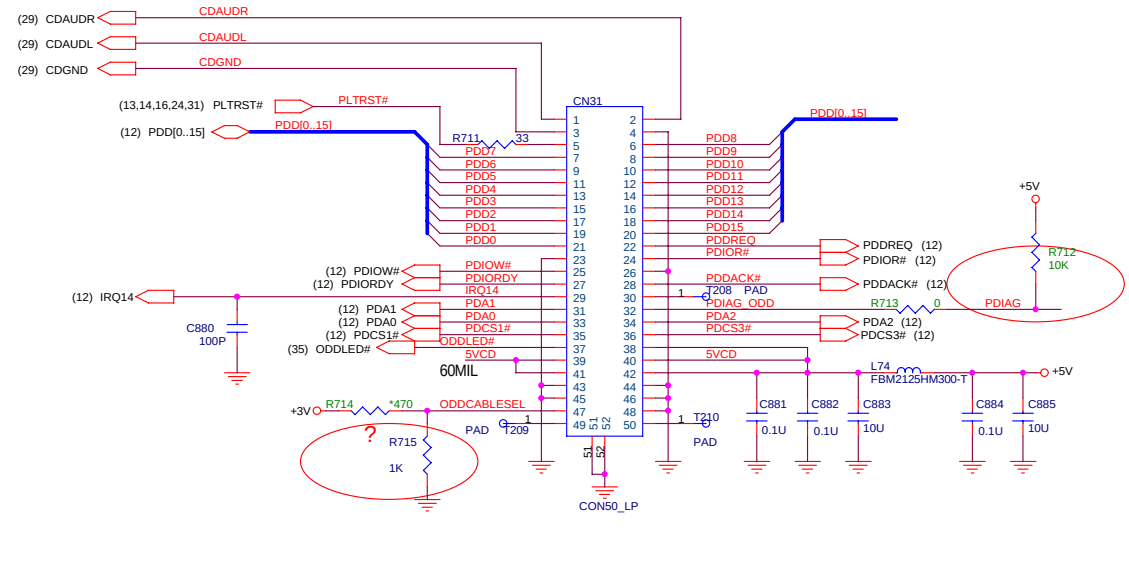


PROJECT : MA7
Quanta Computer Inc.

Size Custom	Document Number NEW CARD, MINI CARD	Rev 3A
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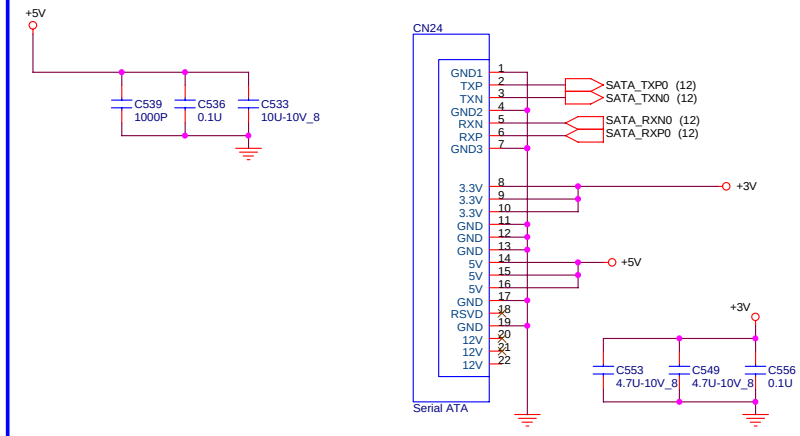
For fix ODD change 0427

CD-ROM connector

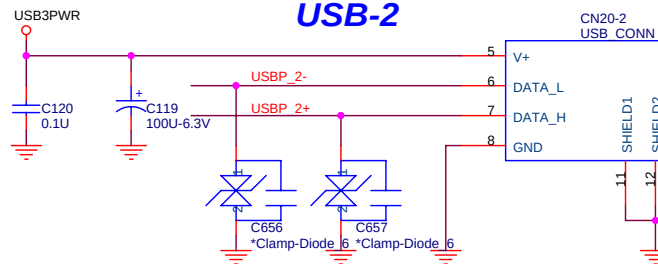
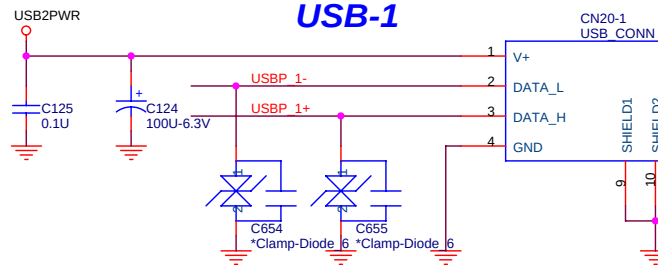
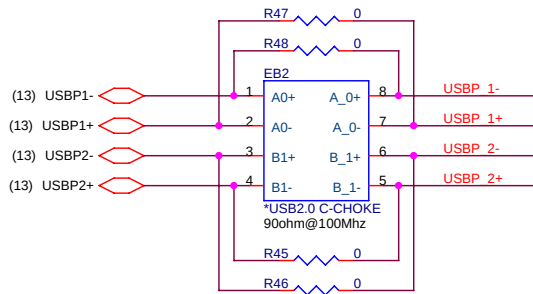
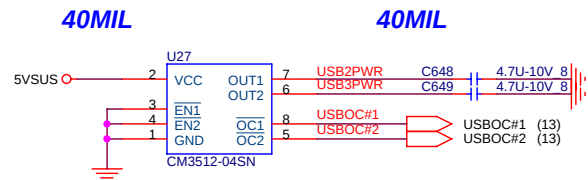
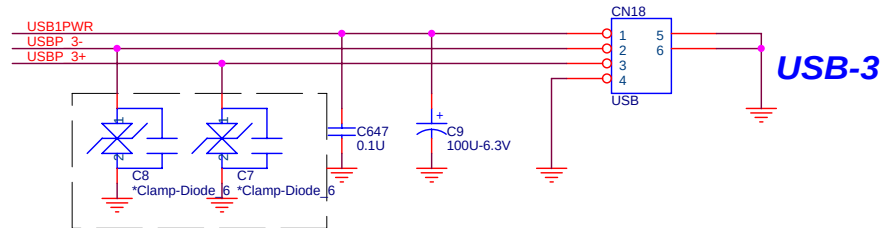
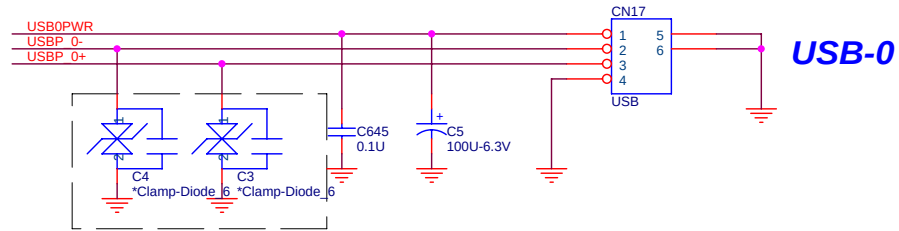
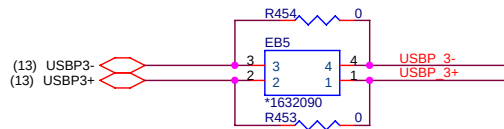
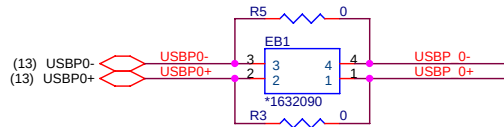
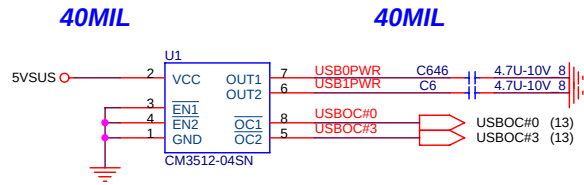


SATA CONNECTOR

MASTER



PROJECT : MA7
Quanta Computer Inc.

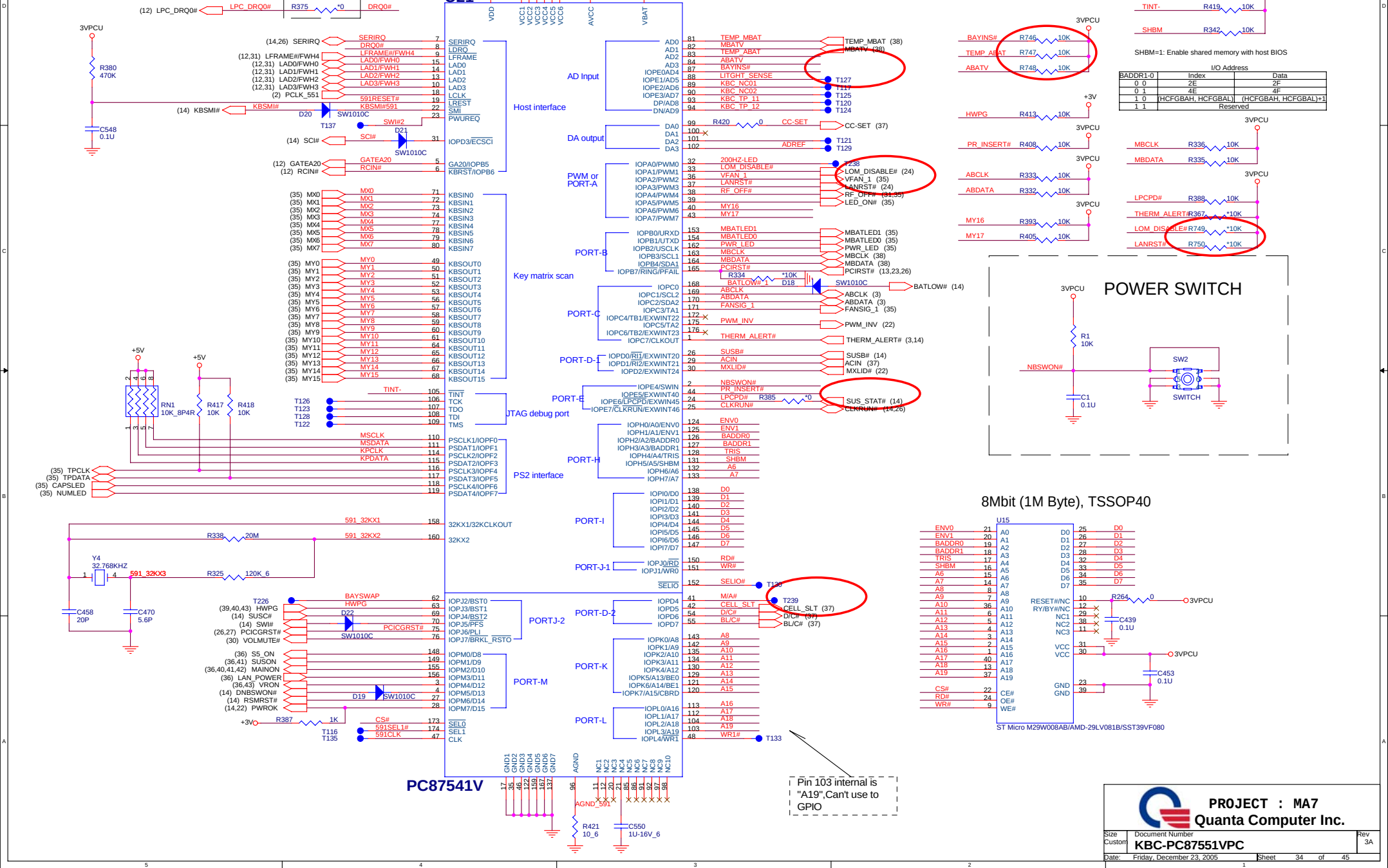


(27,31,36,39,41) 5VSUS

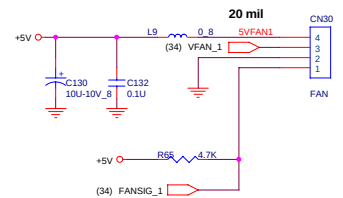


PROJECT : MA7
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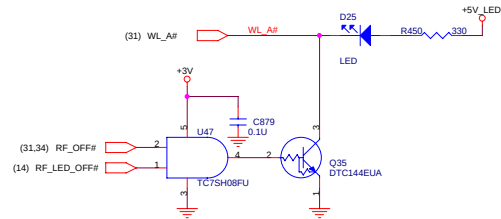
KBC-PC87541V



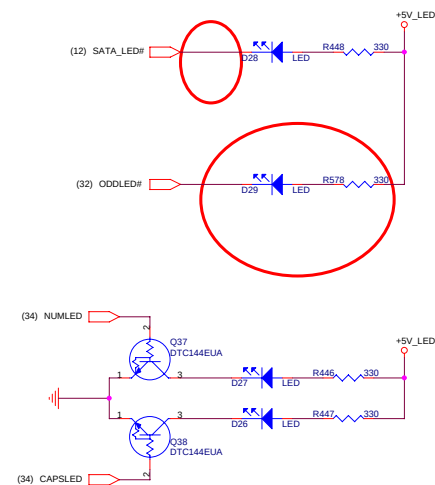
FAN OUT PWM CONNECTOR



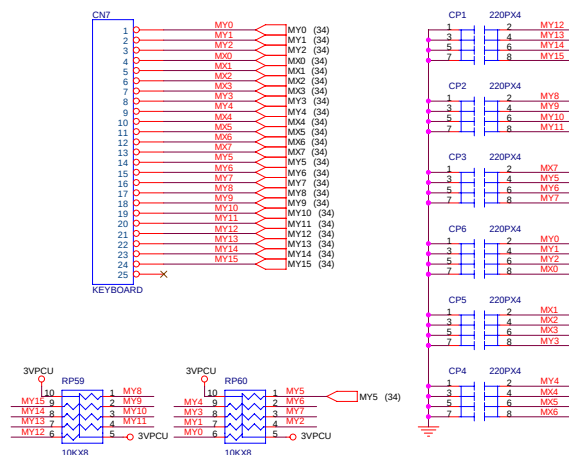
WIRELESS LED



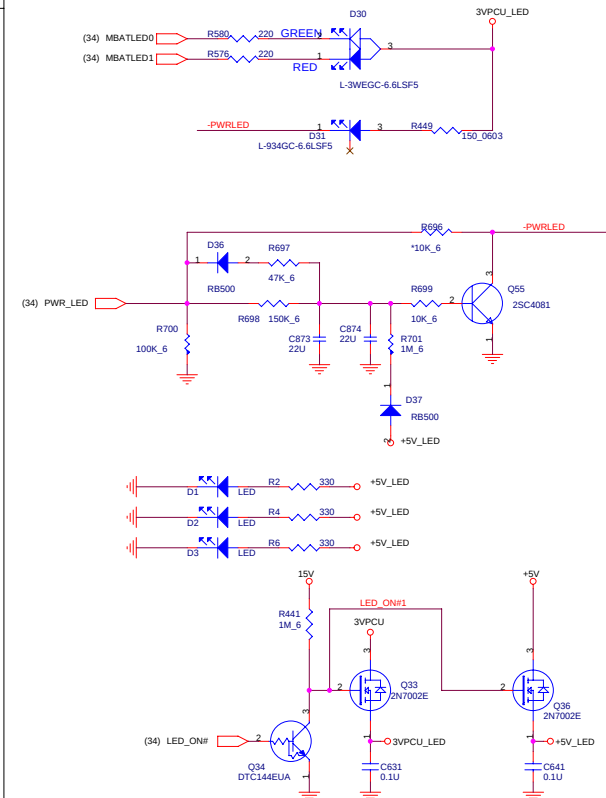
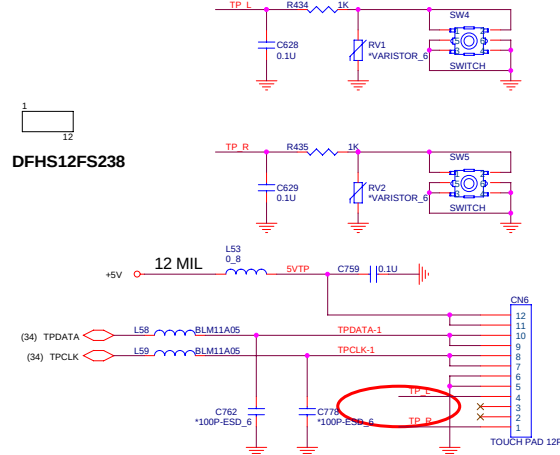
LED INDIATOR

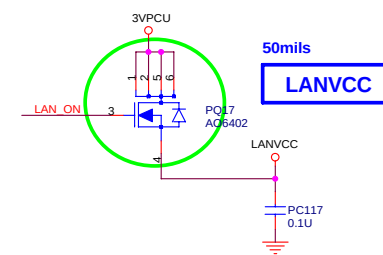
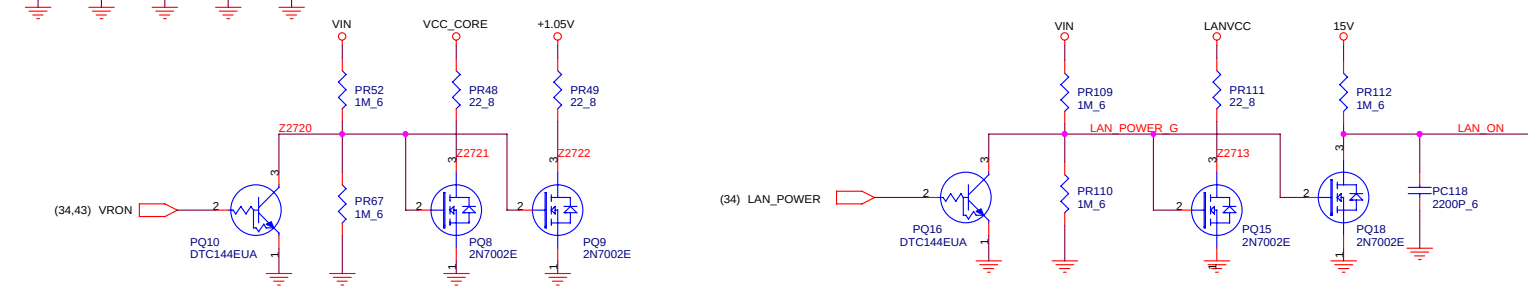
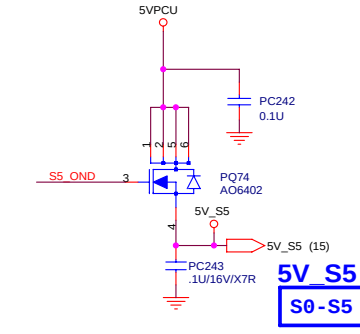
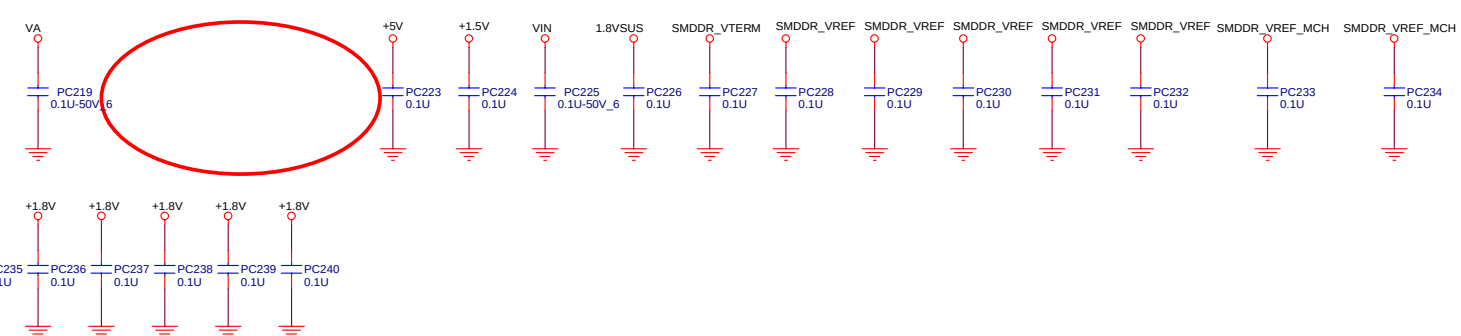
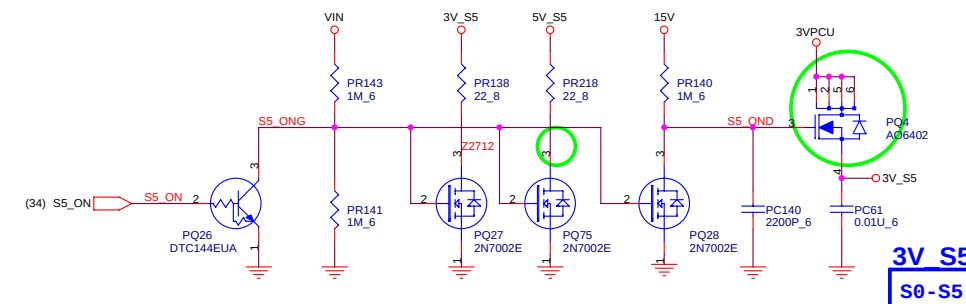
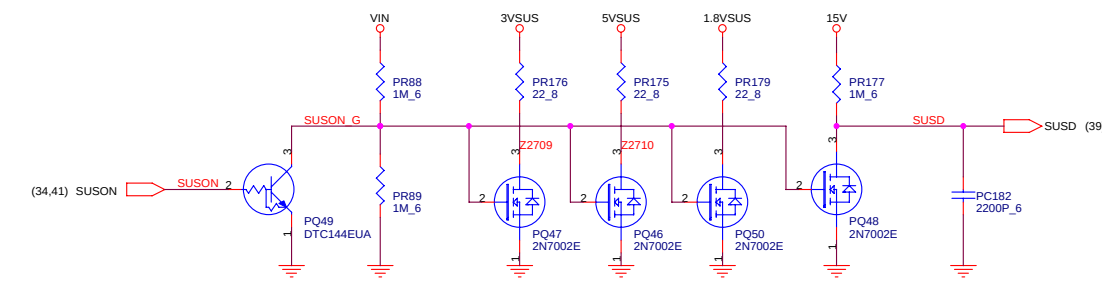
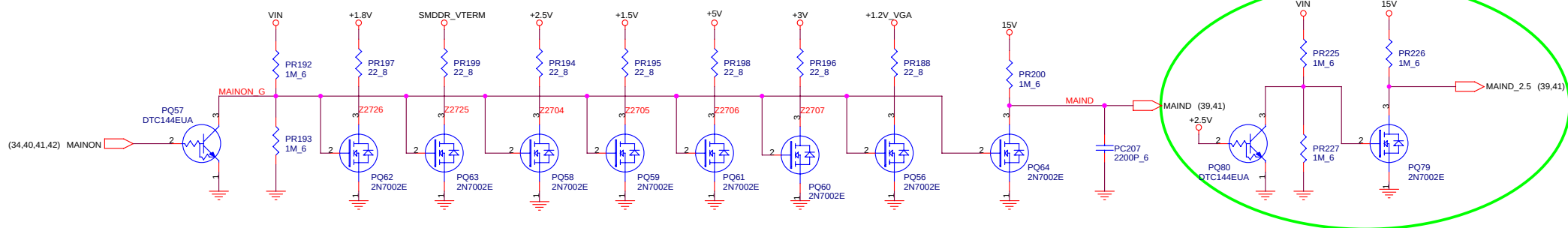


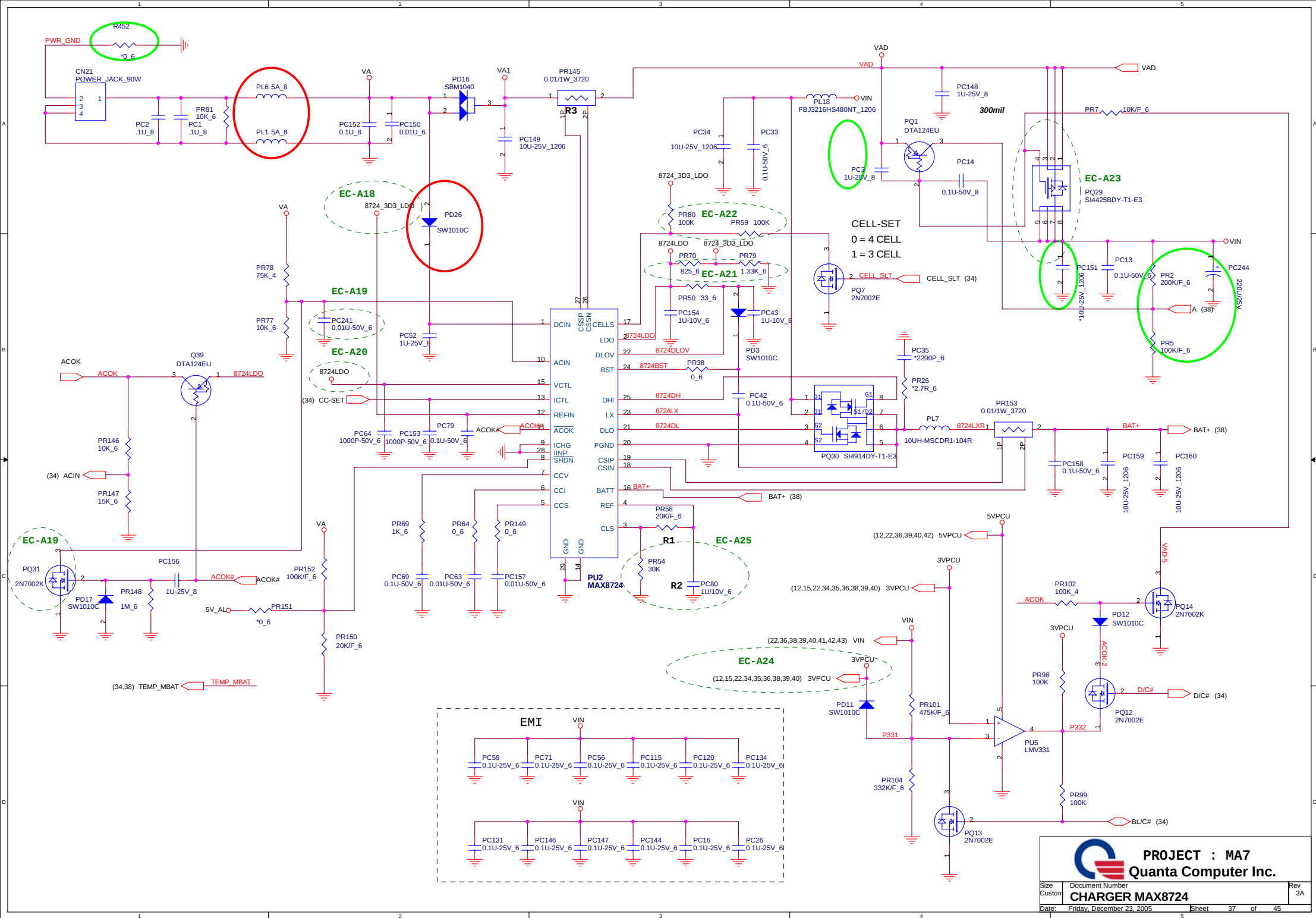
KEYBOARD



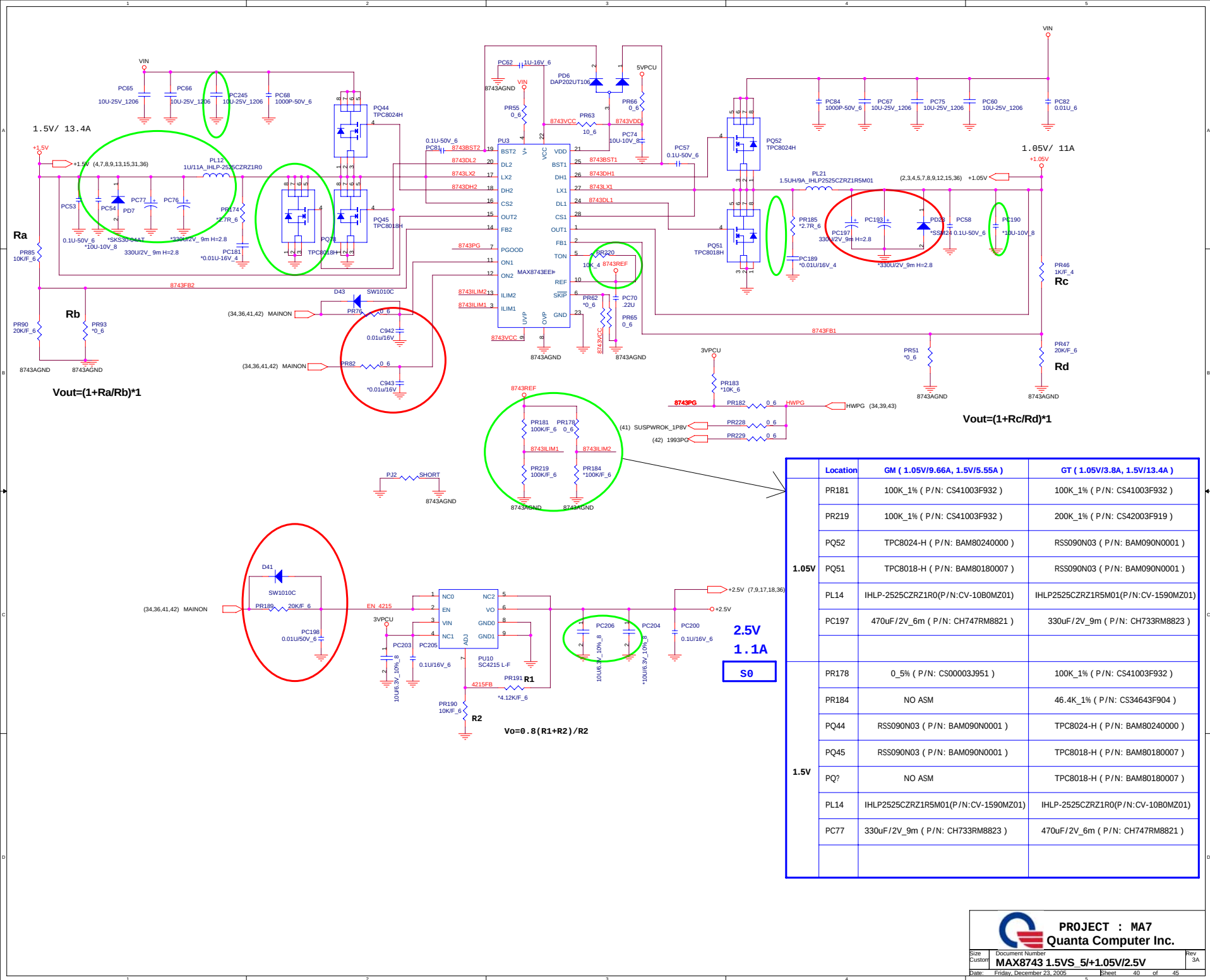
TOUCHPAD

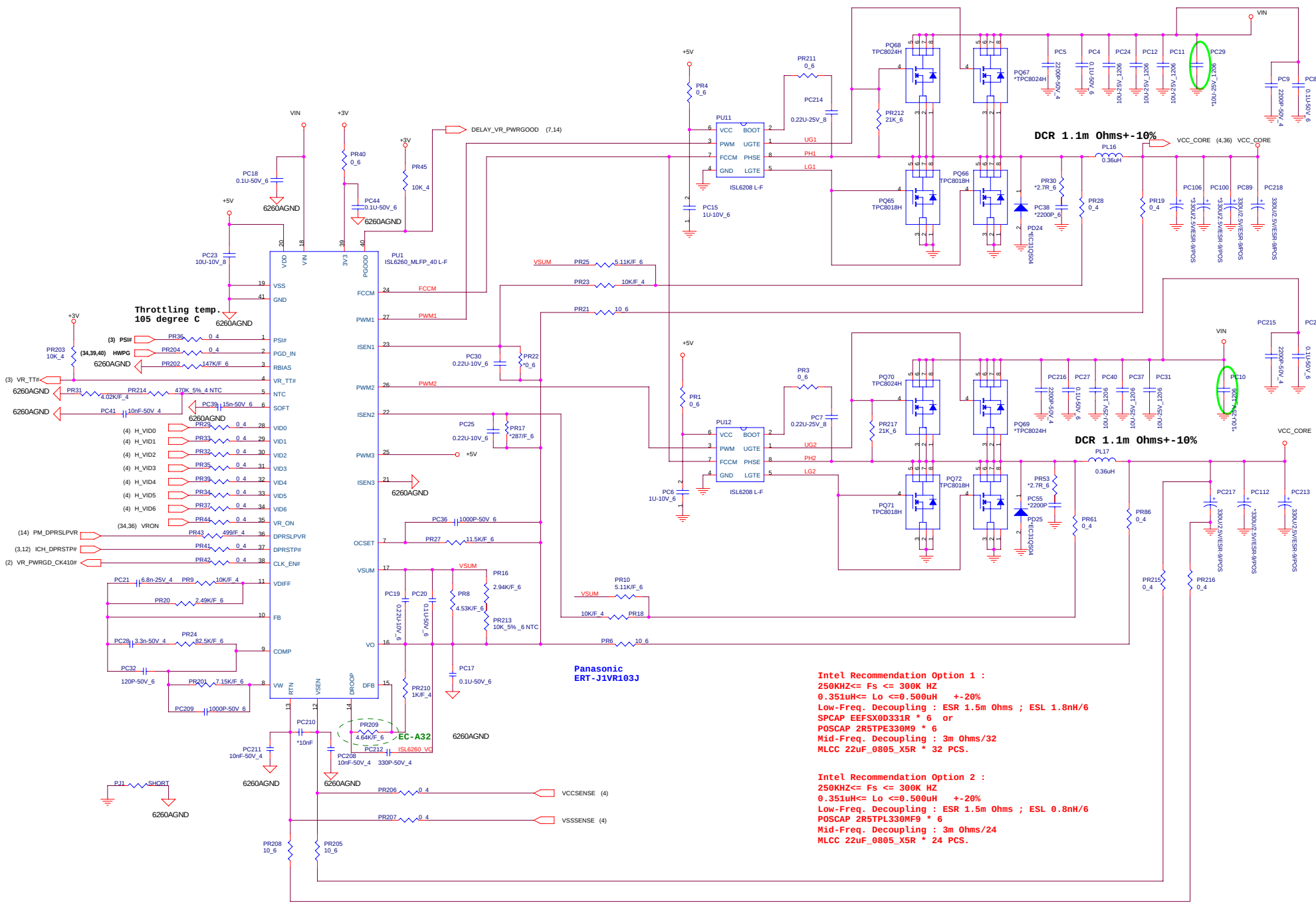






DC-DC (MAX8734A)





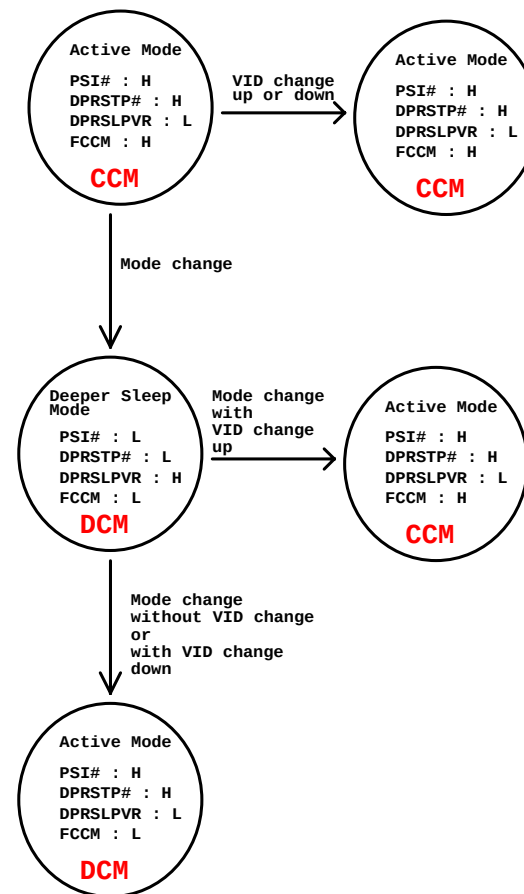
IMVP Spec. Rev. 0.8

(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
VB00T	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



EC #/Page/Description/Part Affected
