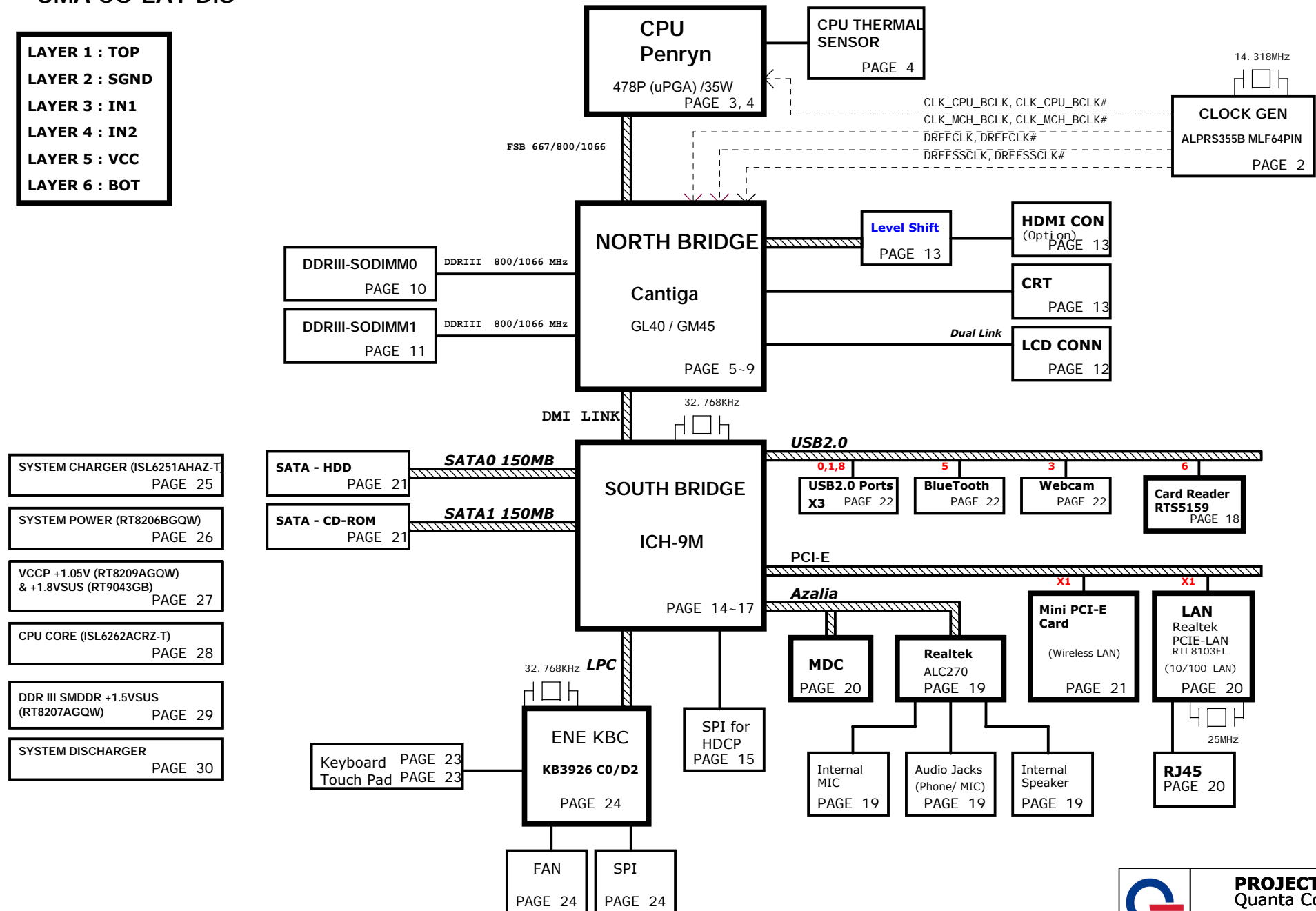
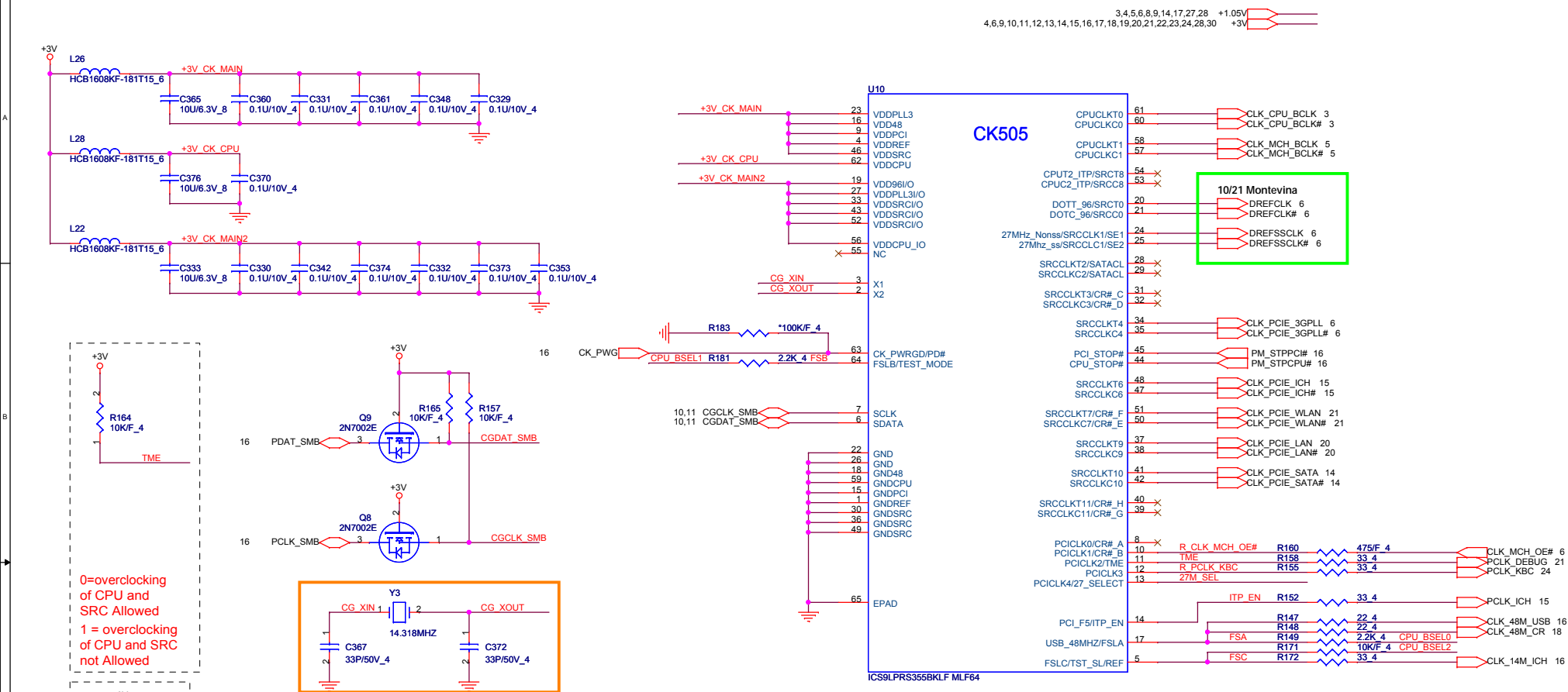


PCB STACK UP
6L UMA CO-LAY DIS

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

Wimbledon AX3/5 BLOCK DIAGRAM





0=overclocking of CPU and SRC Allowed
1 = overclocking of CPU and SRC not Allowed

DB:Change from 27P to 33P(TXC suggestion)

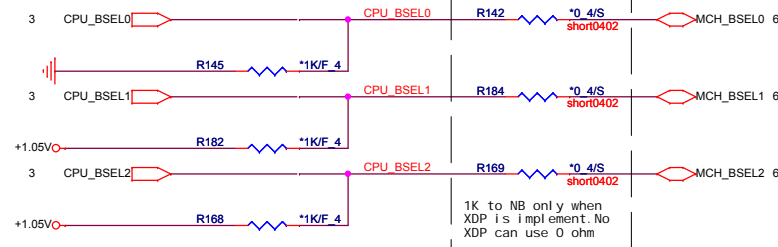
27M_SEL PIN13	PIN20	PIN21	PIN24	PIN25
0=UMA	DOT96T	DOT96C	SRCT1/LCDT_100	SRCT1/LCDT_100
1 = External VGA	SRCT0	SRCC0	27Mout-NSS	27Mout-SS

CK505 QFN64

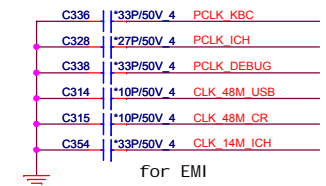
Silego SLG8SP513VTR AL8SP513000
Realtek RTM875N-606-VD-GR AL000875000
ICS ICS9LPRS355BKLF ALPRS355000

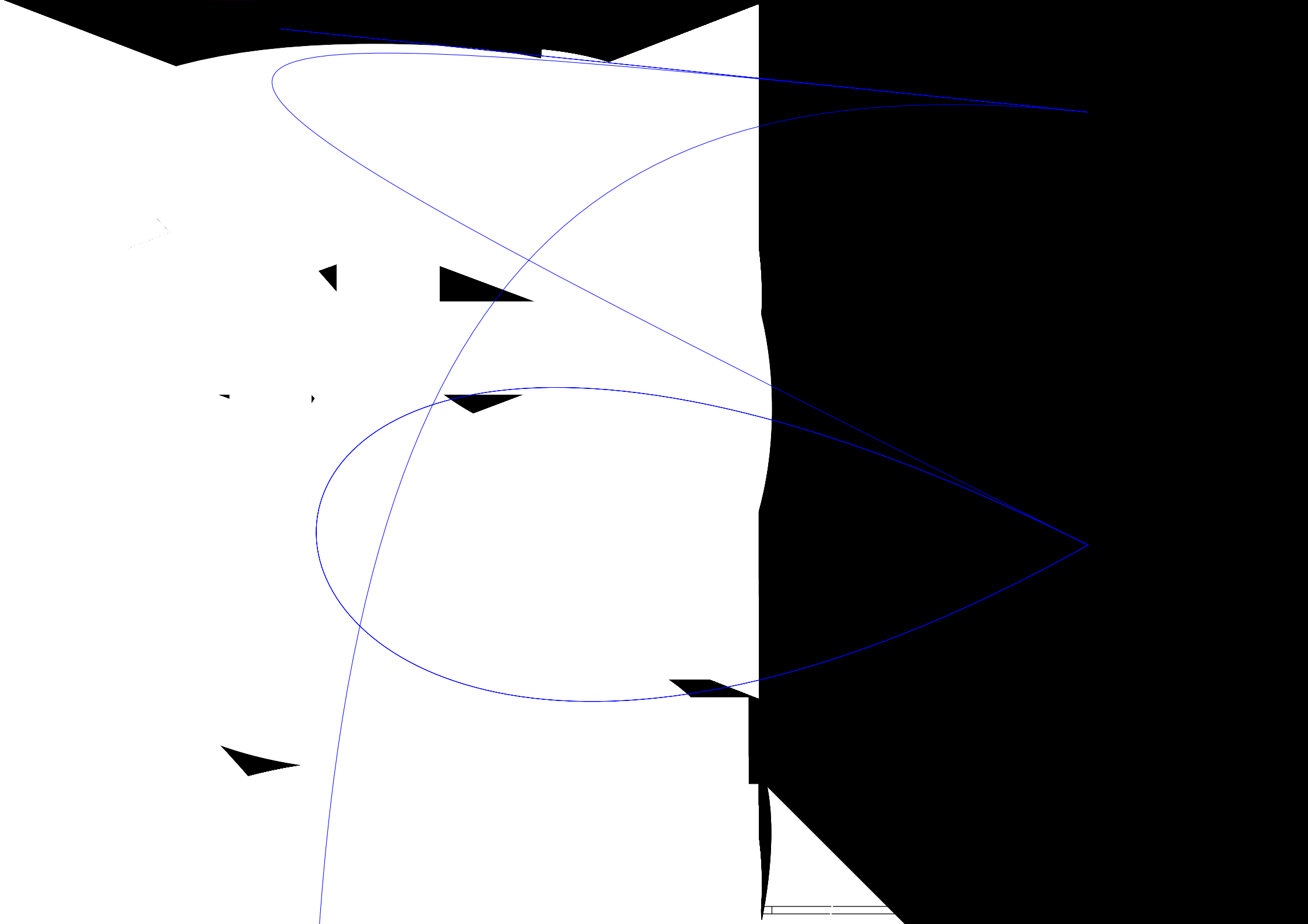


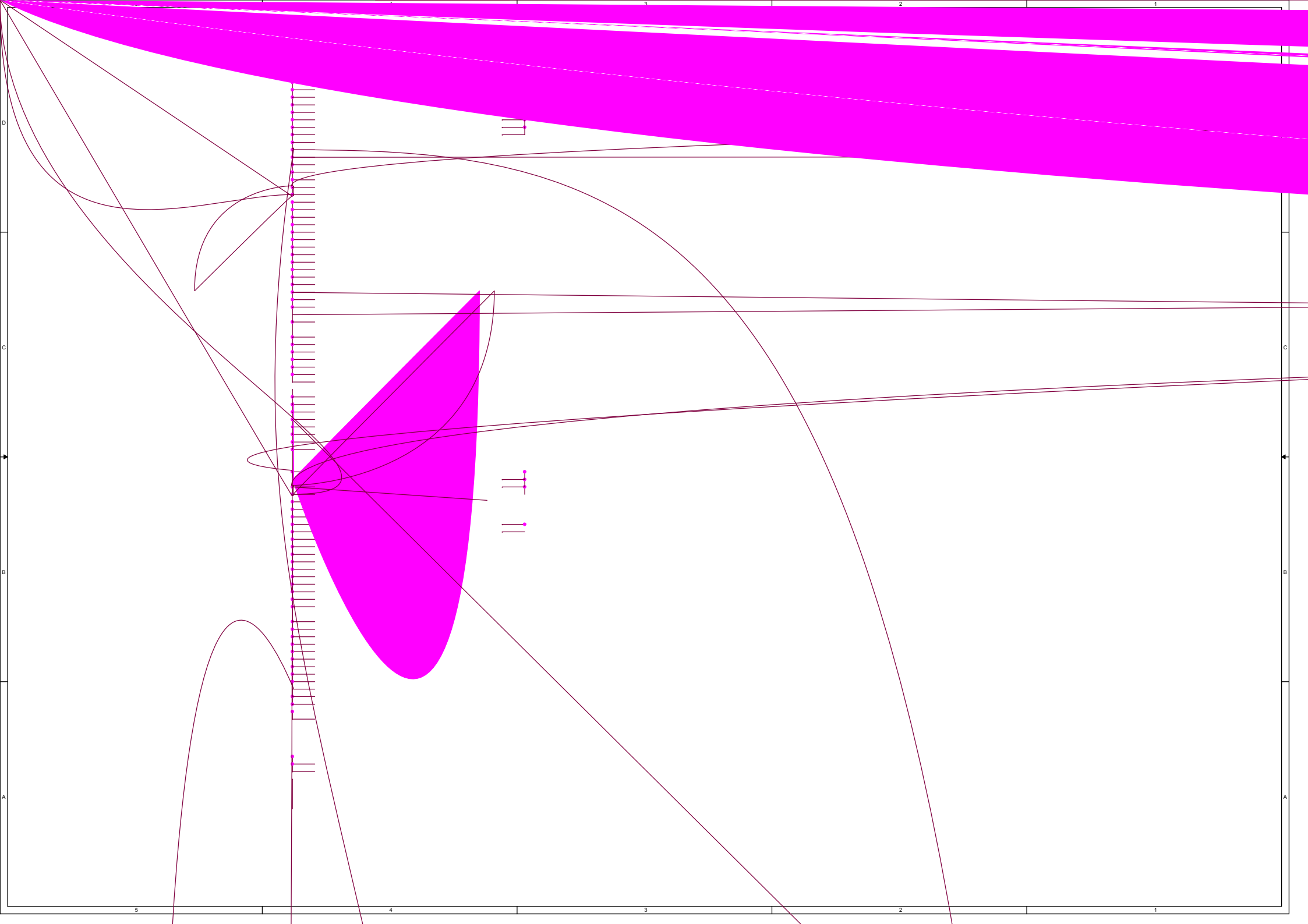
CPU Clock select

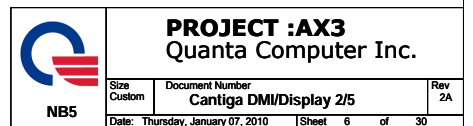


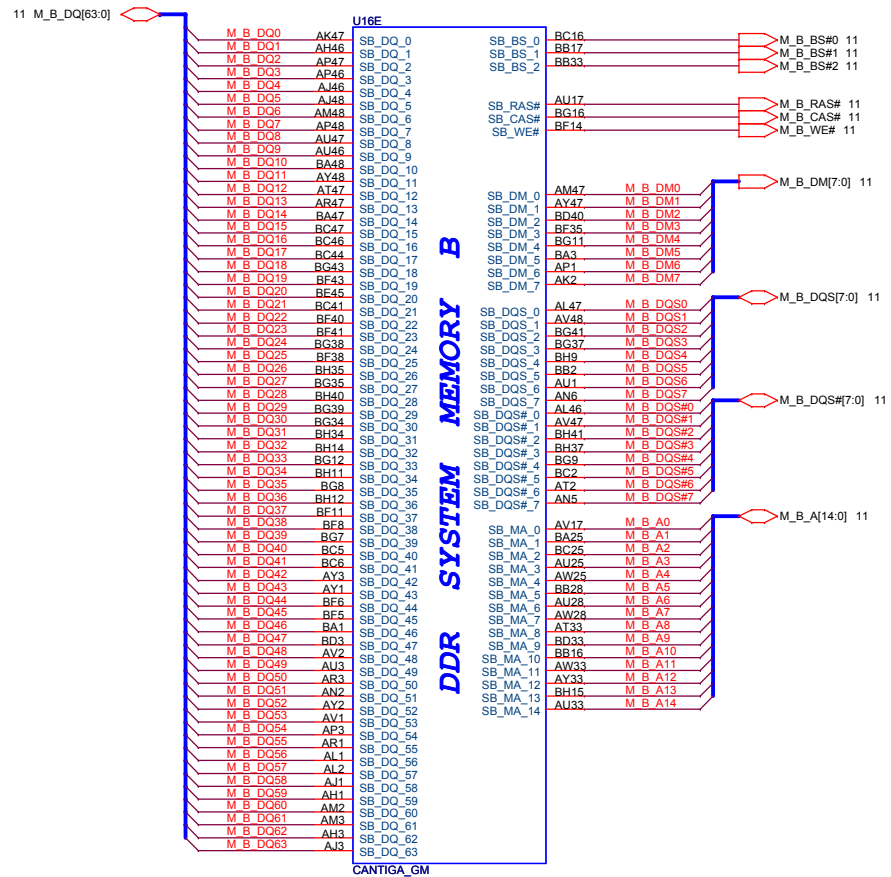
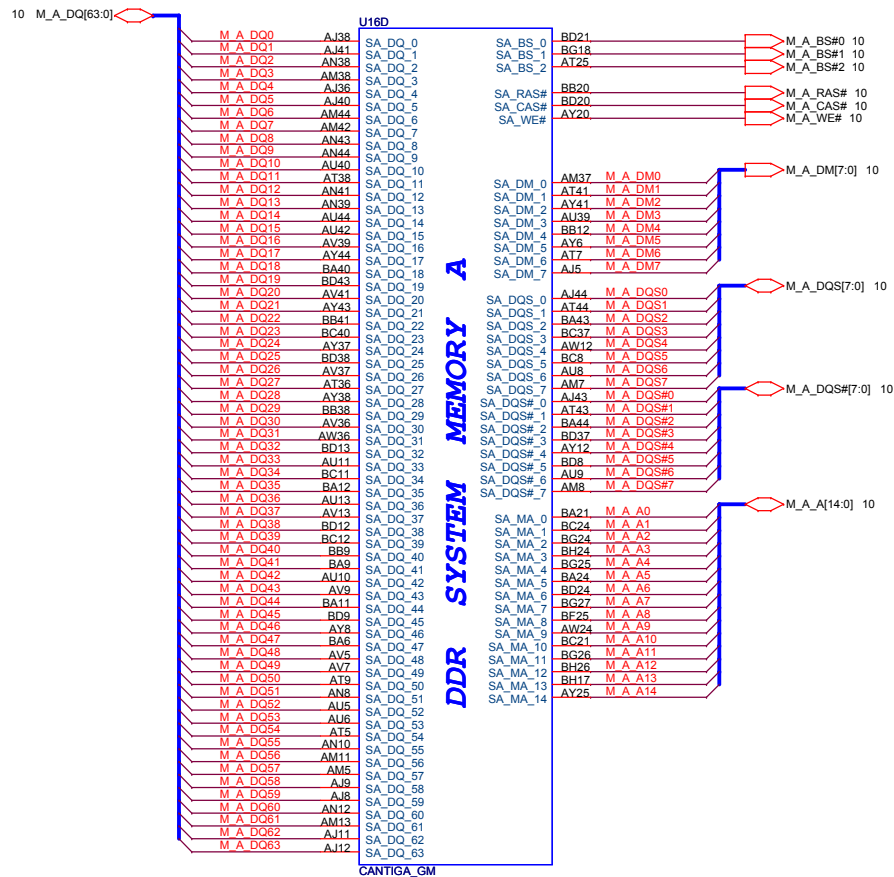
FSC	FSB	FSA	CPU	SRC	PCI
1	0	1	100	100	33
0	0	1	133	100	33
0	1	1	166	100	33
0	1	0	200	100	33
0	0	0	266	100	33
1	0	0	333	100	33
1	1	0	400	100	33
1	1	1	RSVD	100	33







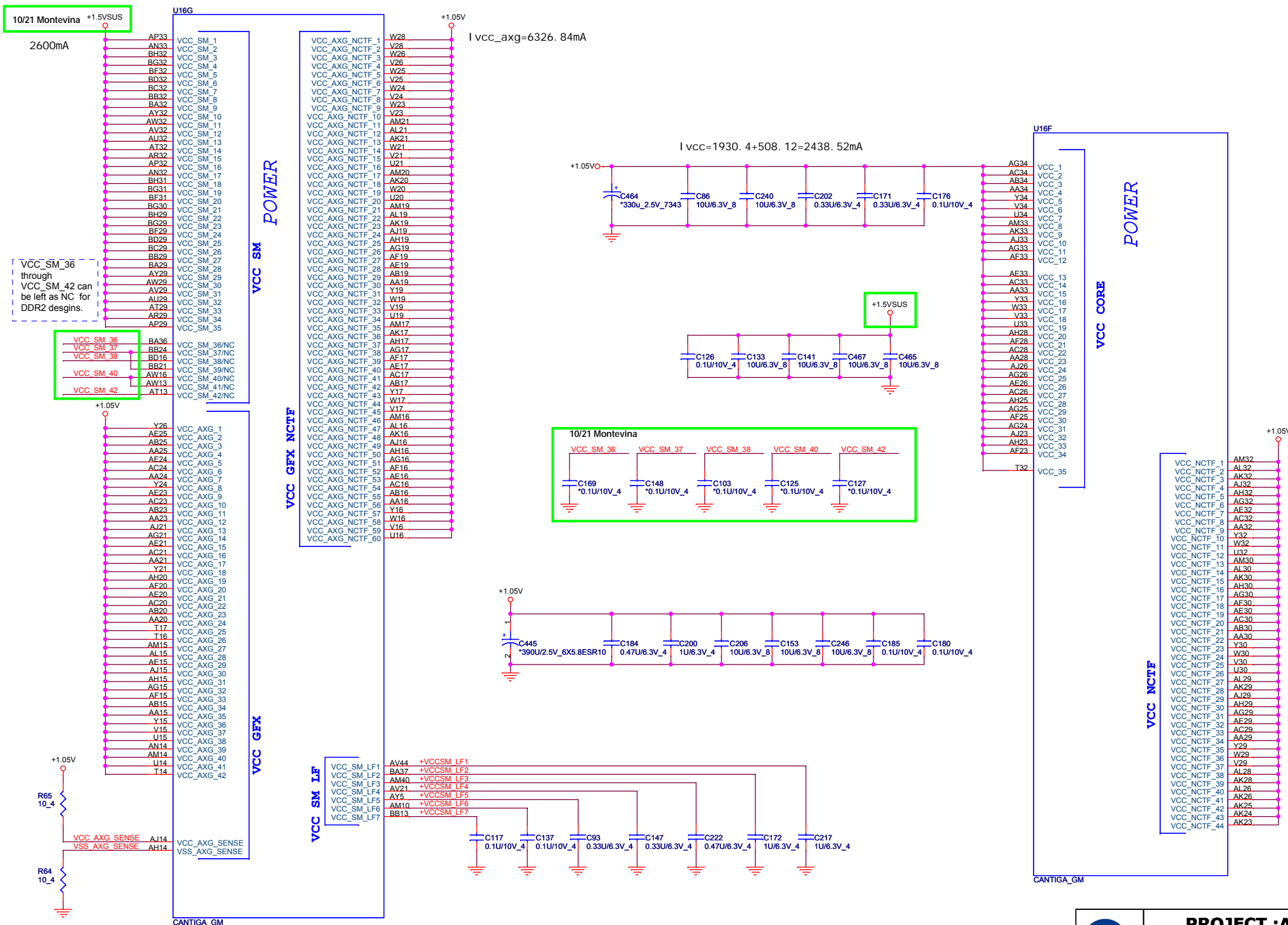




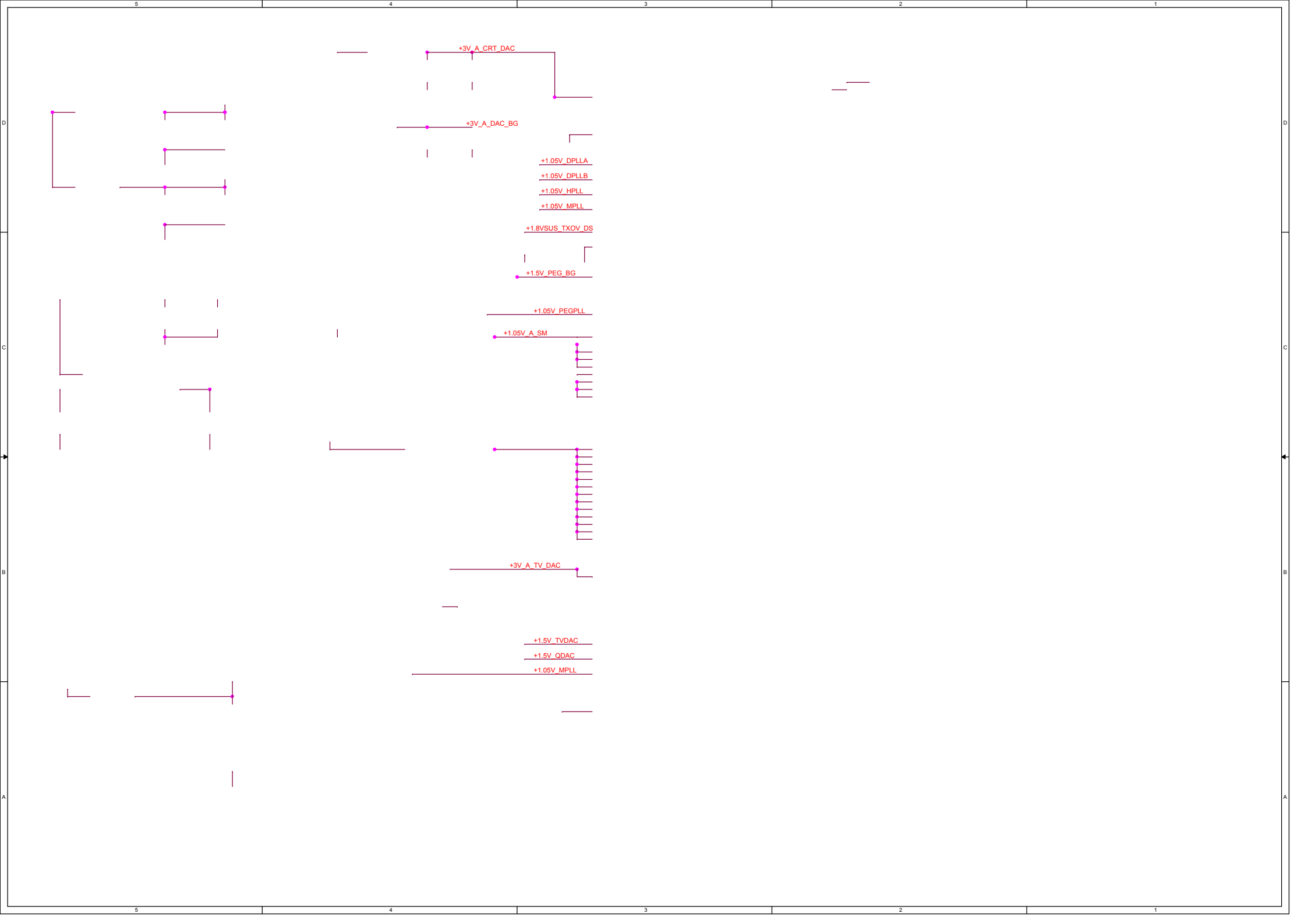
PROJECT :AX3
Quantia Computer Inc.

Size Custom	Document Number	Rev 2A
	Cantiga DDR3 3/5	
Date: Thursday, January 07, 2010	Sheet 7 of 30	

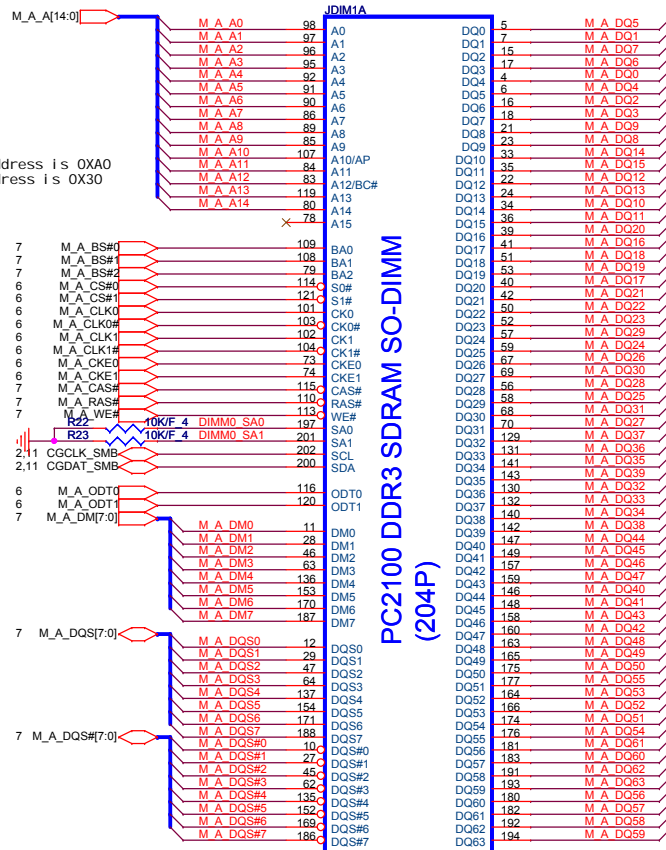
NB5



2,3,4,5,6,9,14,17,27,28 +1.05V
6,9,10,11,29,30 +1.5VSUS



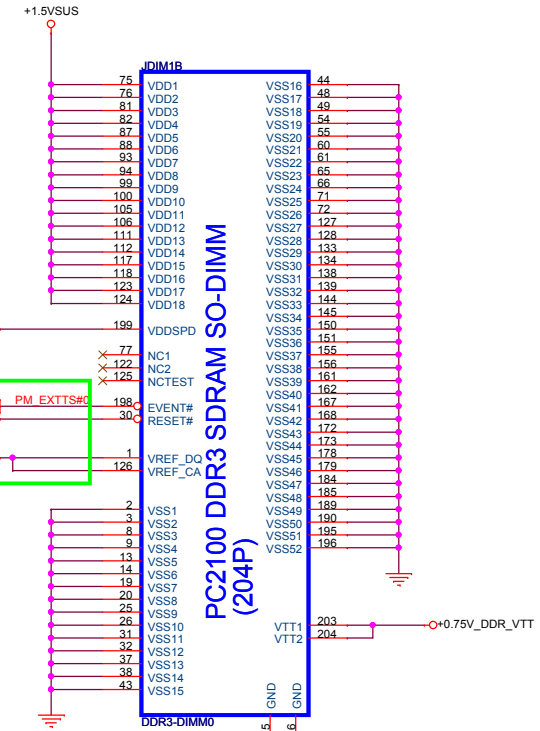
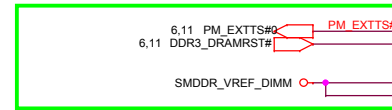
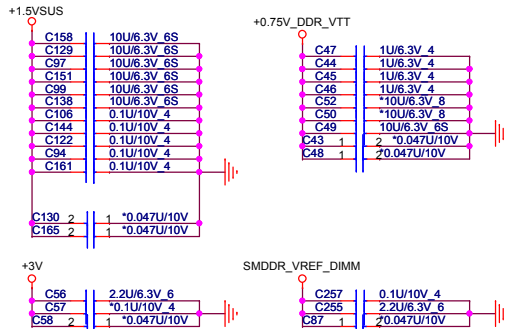
SO-DIMMA SPD Address is 0XA0
SO-DIMMA TS Address is 0X30



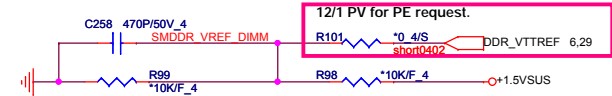
Reverse type change to Standard type.

Place these Caps near So-Dimm0.

Some Projects replace 10UF 0805 by 4.7UF 0603
It can cost down 30%



DGMK4000036
IC SOCKET DDR3 SO-DIMM(204P,H9.2)
ddr-c-2013310-204p-1

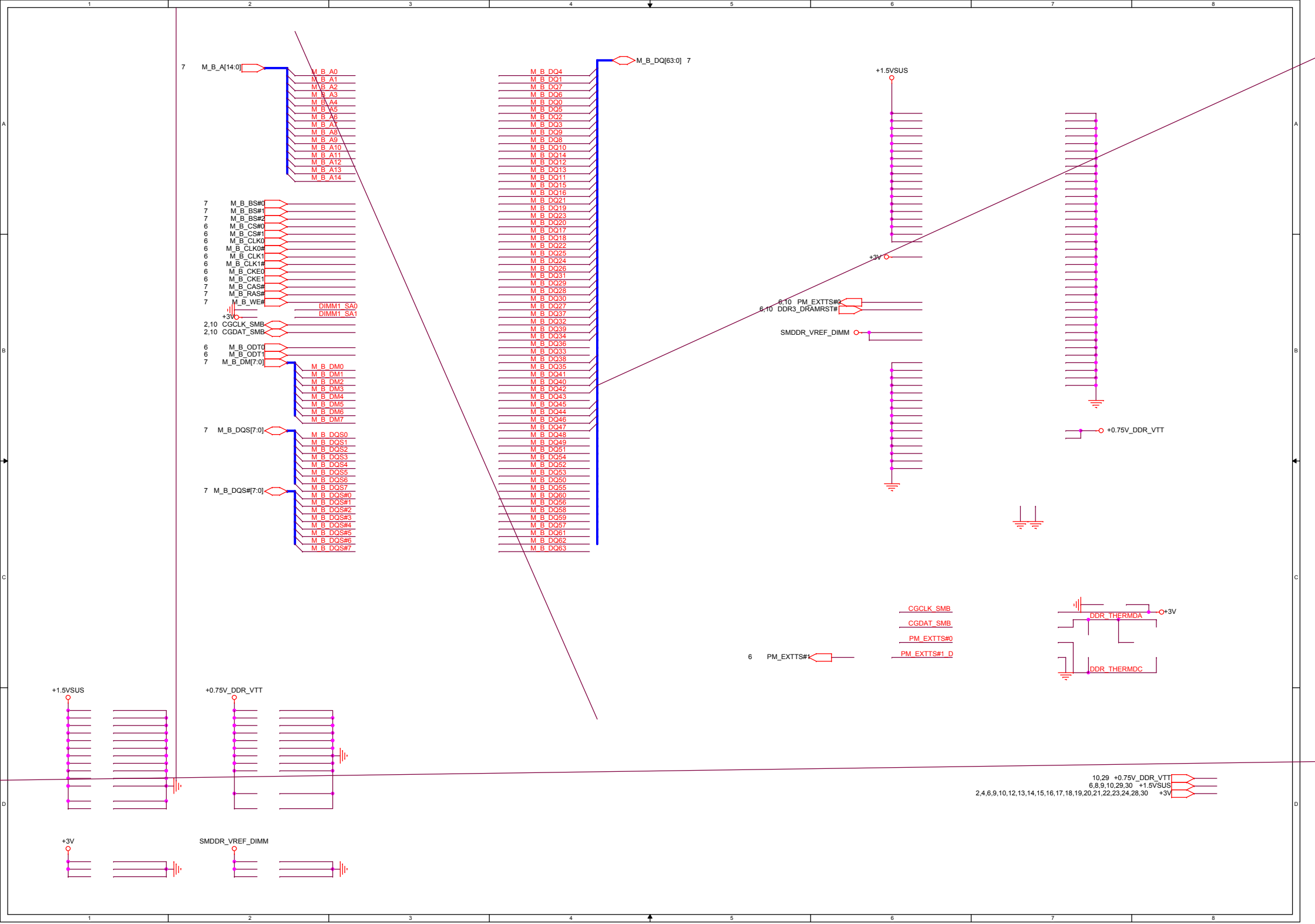


11,29 +0.75V_DDR_VTT
6,8,9,11,29,30 +1.5VSUS
2,4,6,9,11,12,13,14,15,16,17,18,19,20,21,22,23,24,28,30 +3V

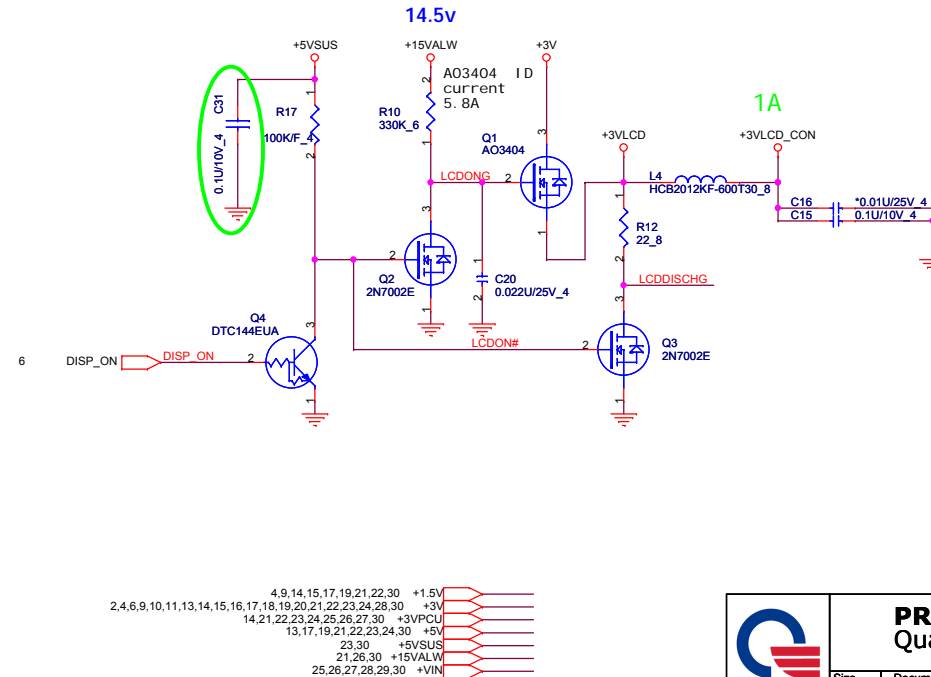
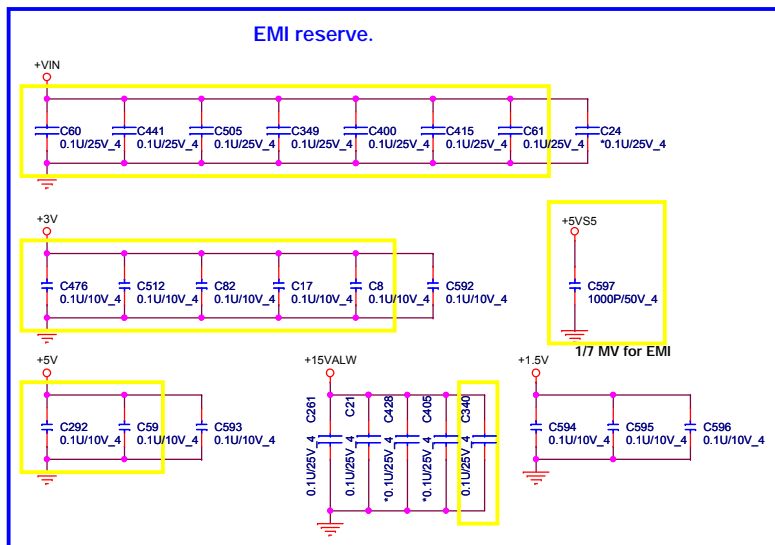
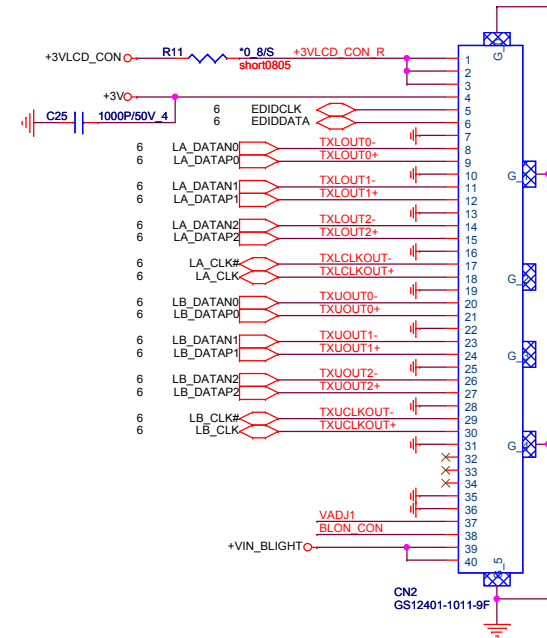
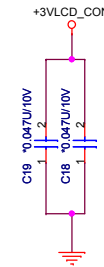
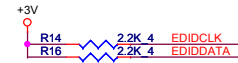
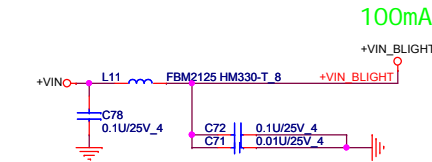
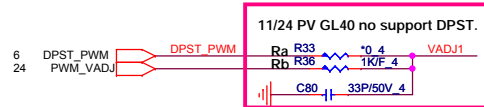
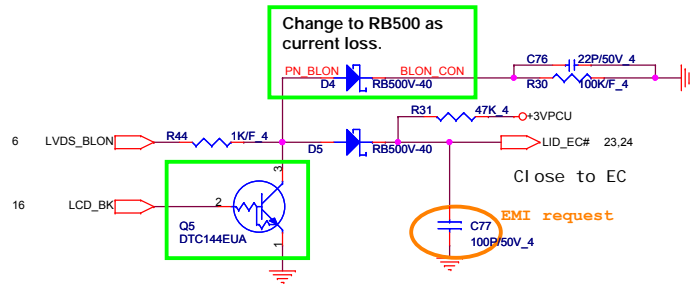


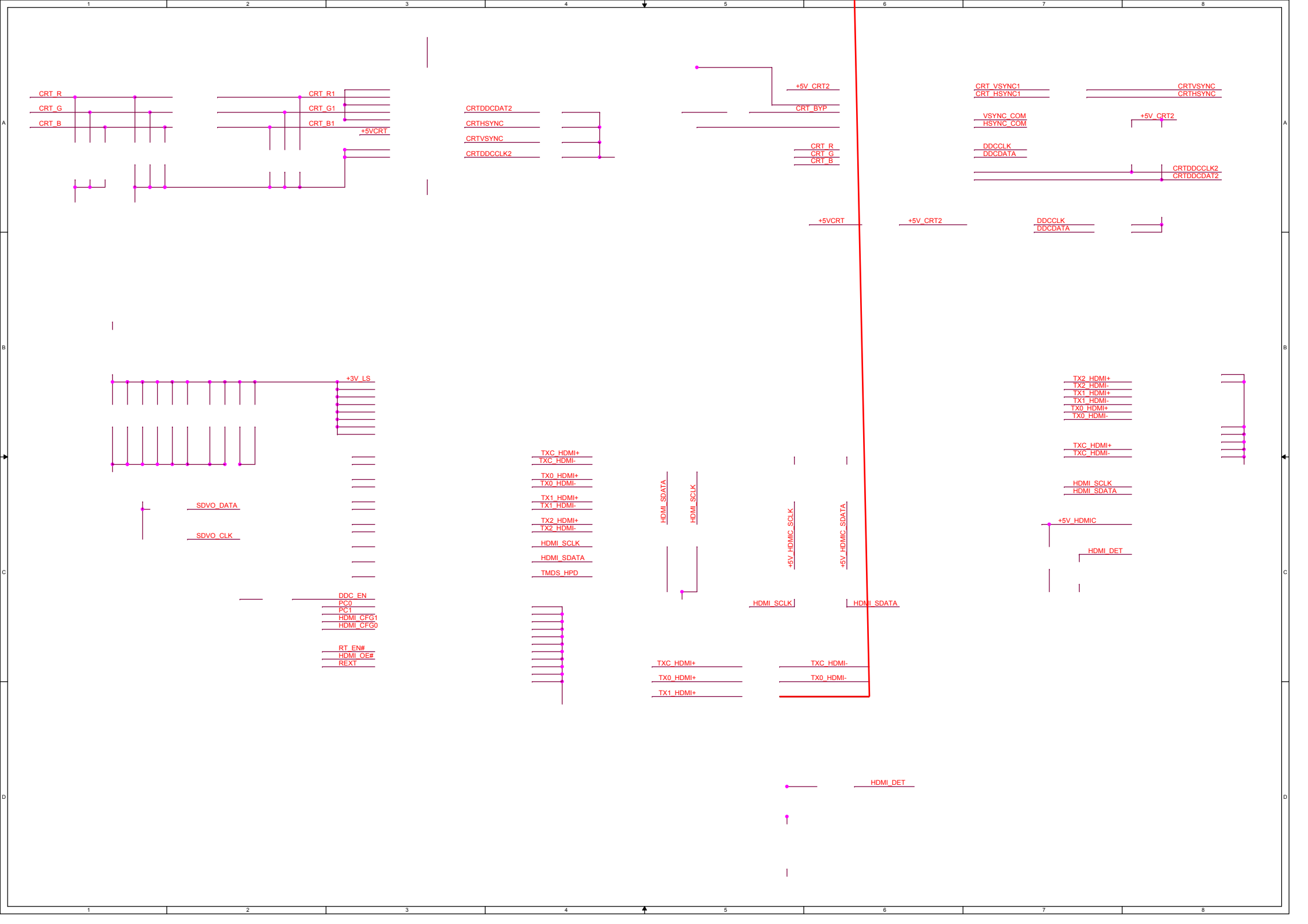
PROJECT :AX3
Quanta Computer Inc.

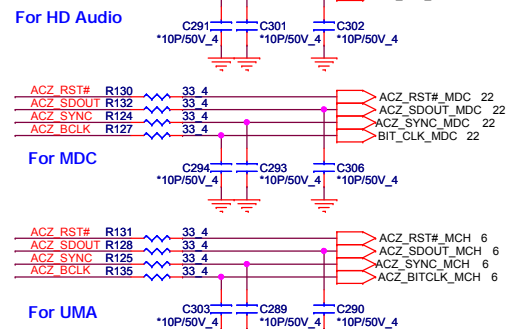
Size Custom Document Number
DDR3 DIMM-0
Date: Thursday, January 07, 2010 Sheet 10 of 30
Rev 2A



LID Switch

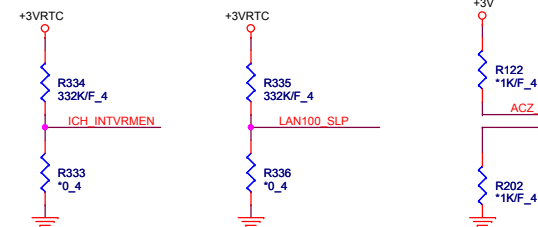


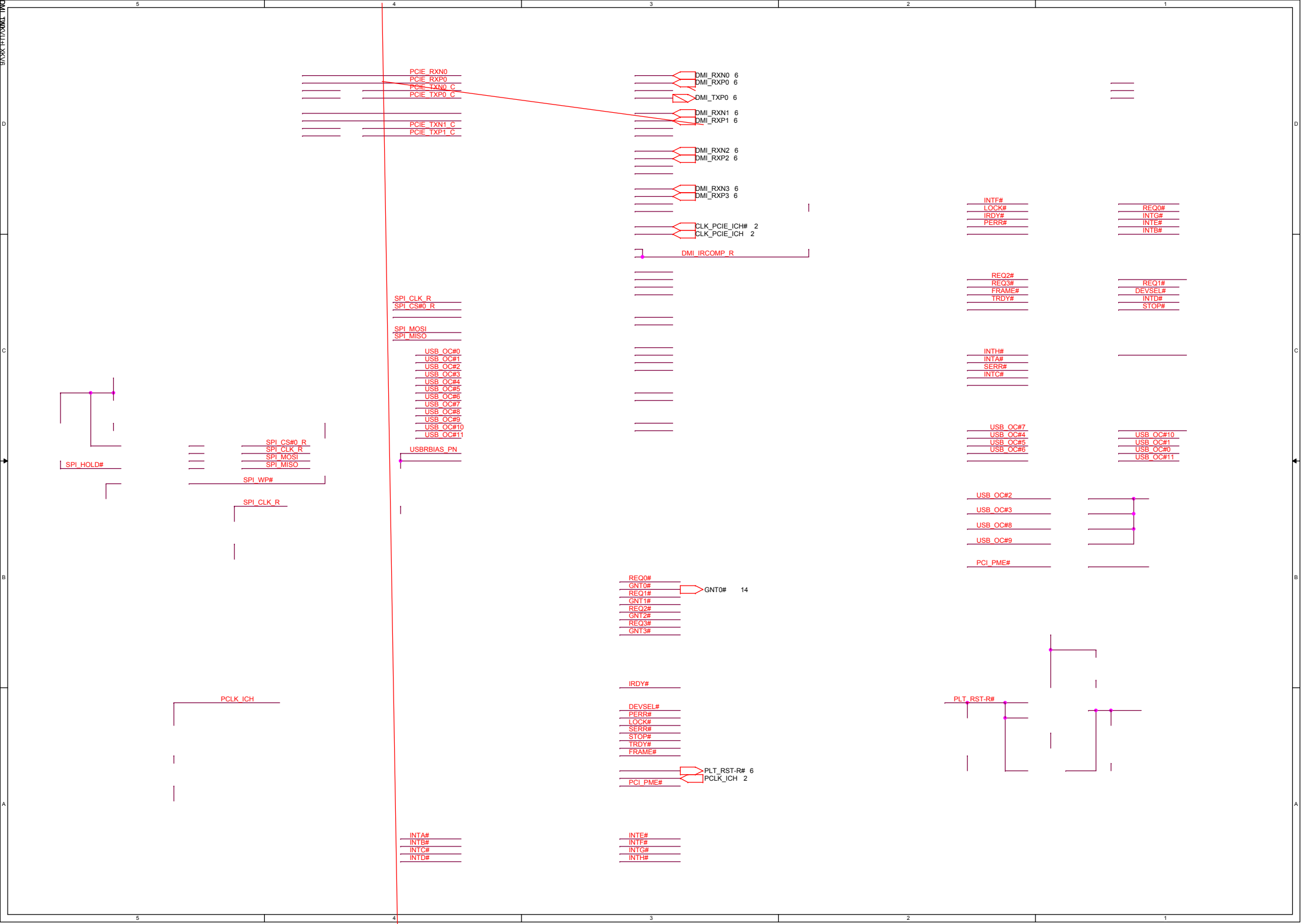


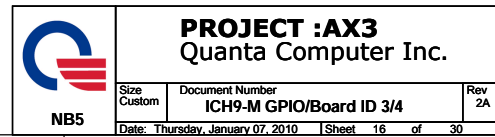


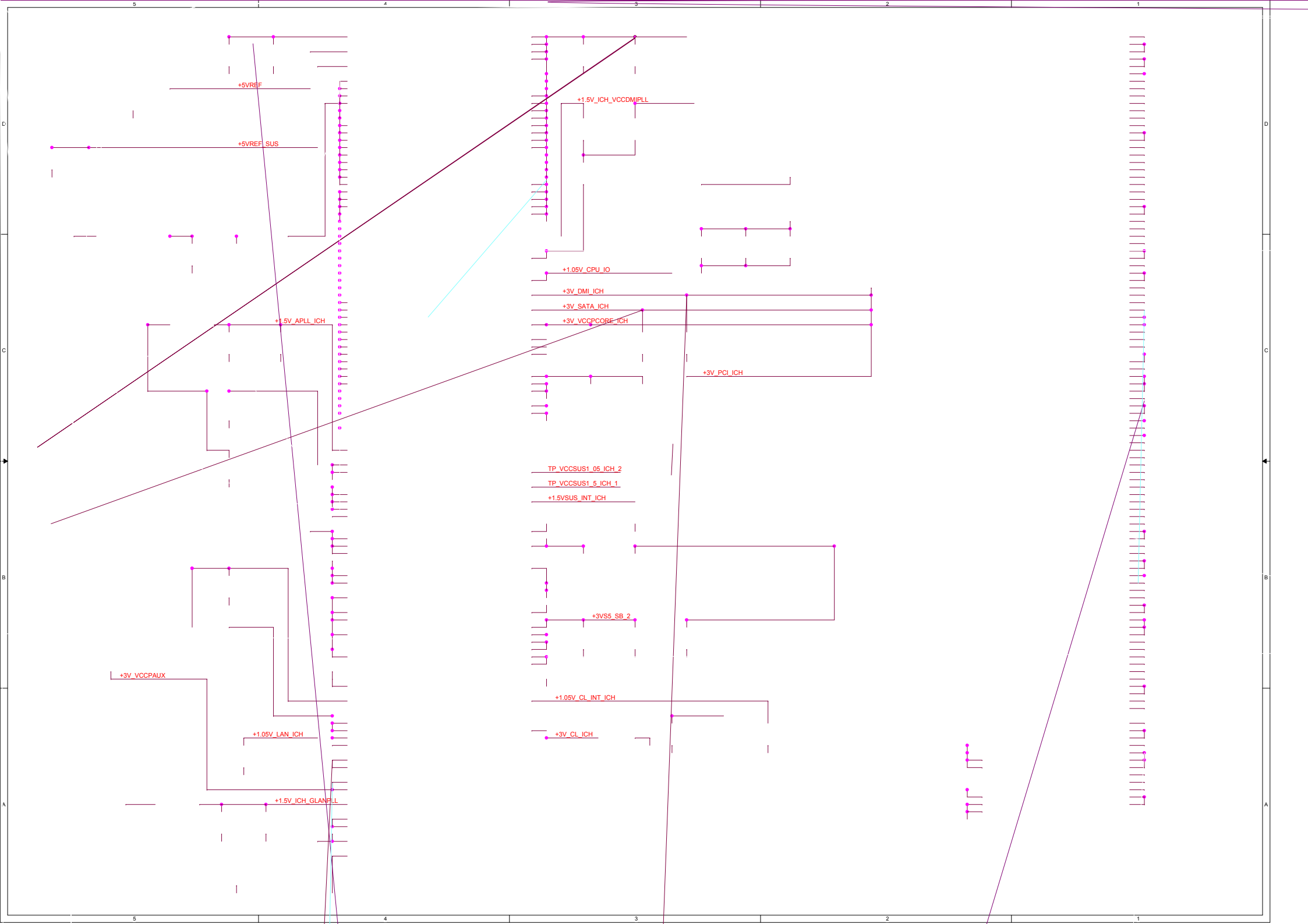
ICH_GPIO57	Low: Default
------------	--------------

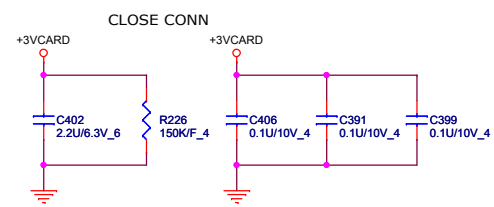
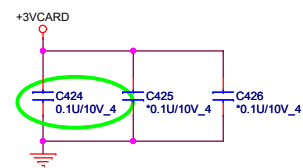
R178 *1K/F_4 GNT3# 15




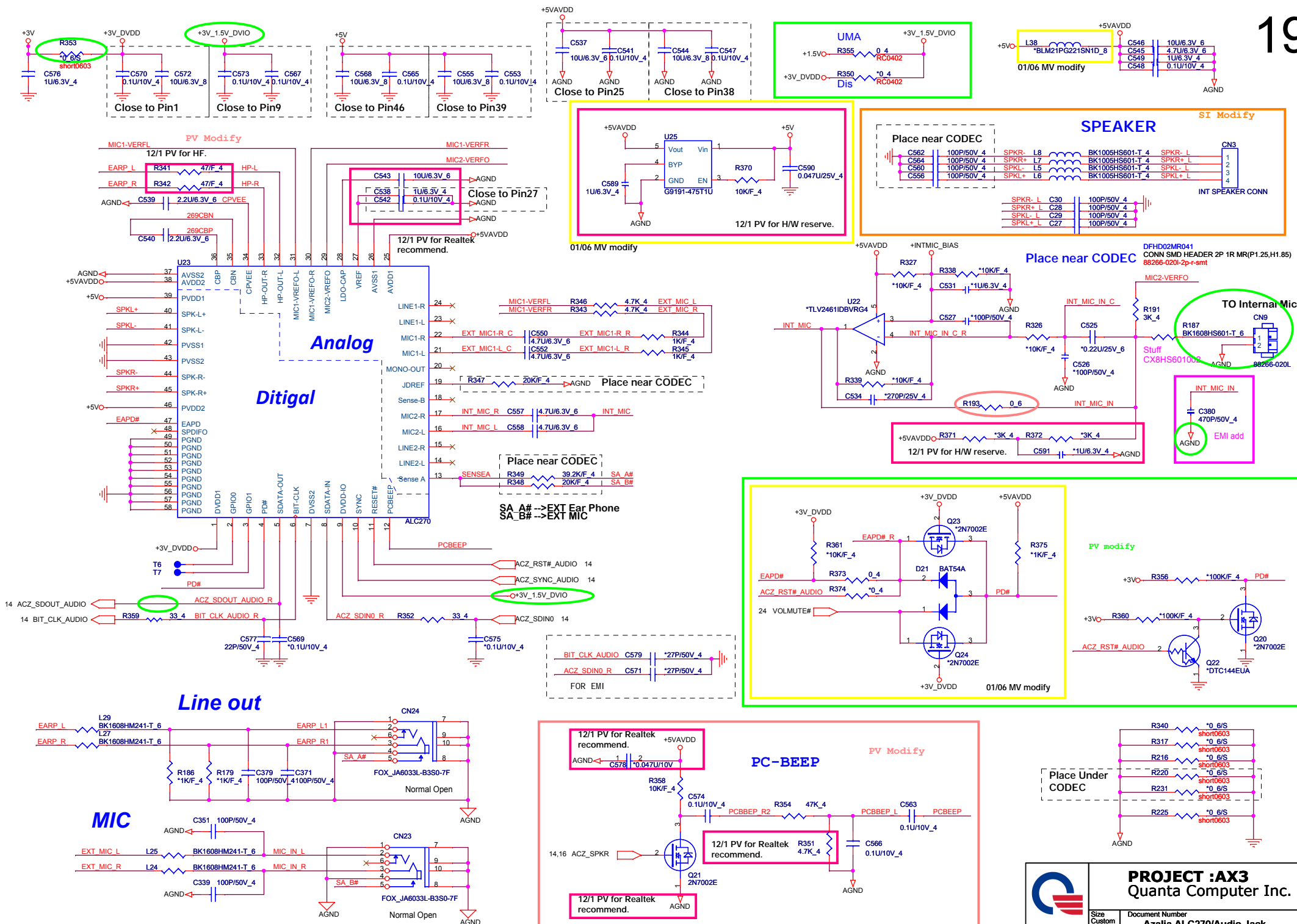


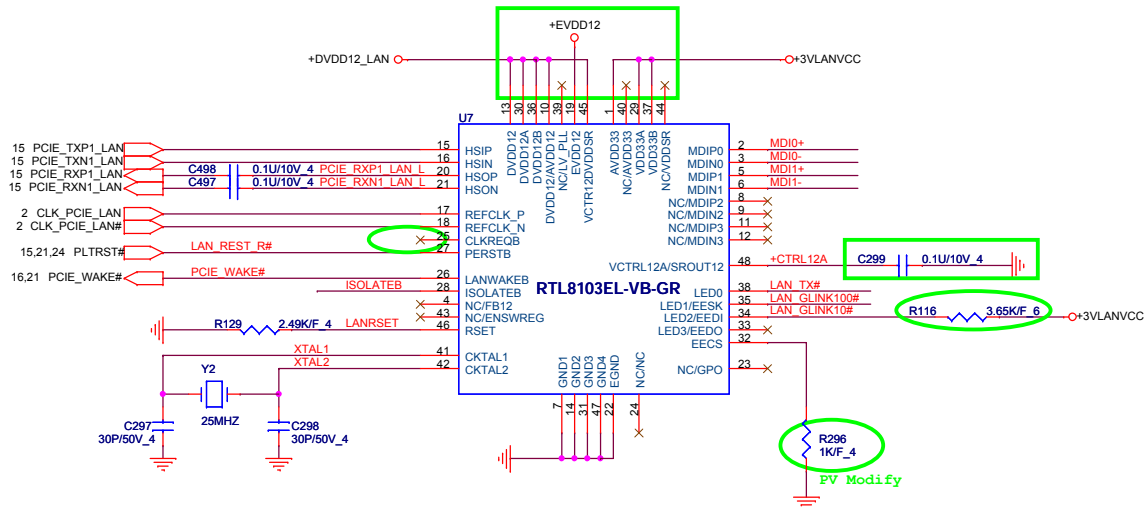




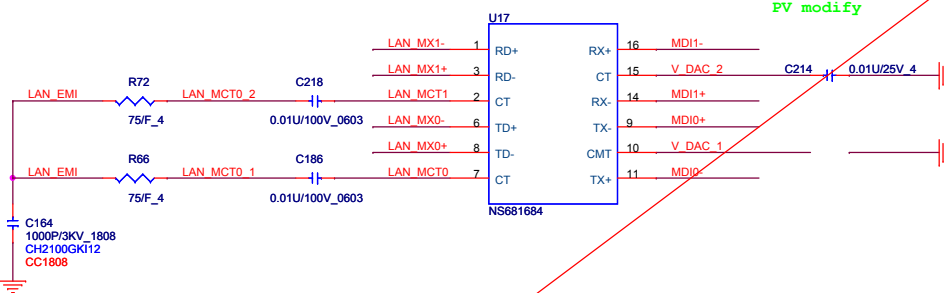


 NB5	PROJECT :AX3 Quanta Computer Inc.		
	Size Custom	Document Number RTS5159/CR Socket	
	Date: Thursday, January 07, 2010	Sheet 18	of 30

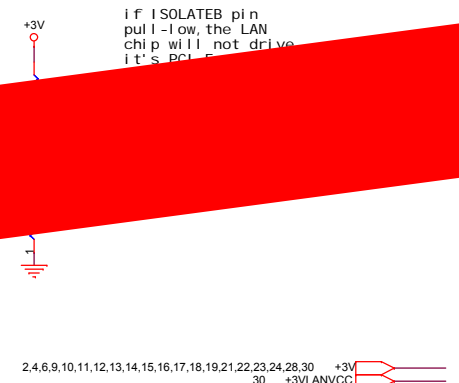
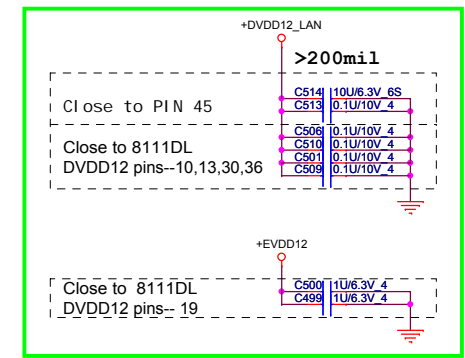
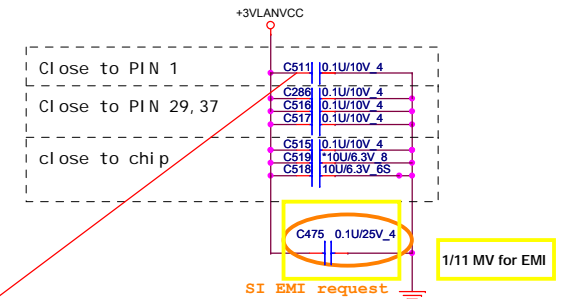
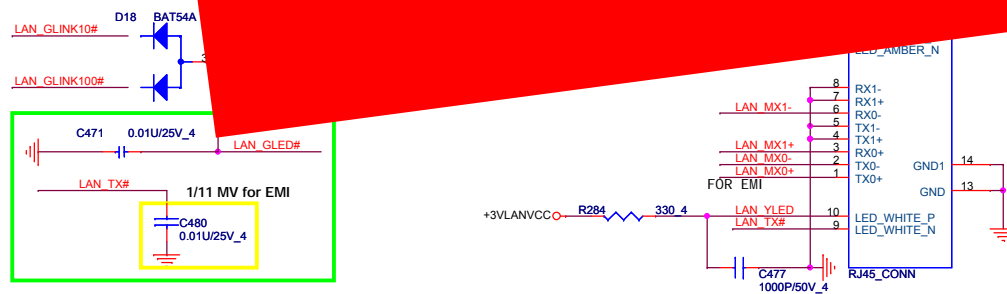




Transformer for 10/100



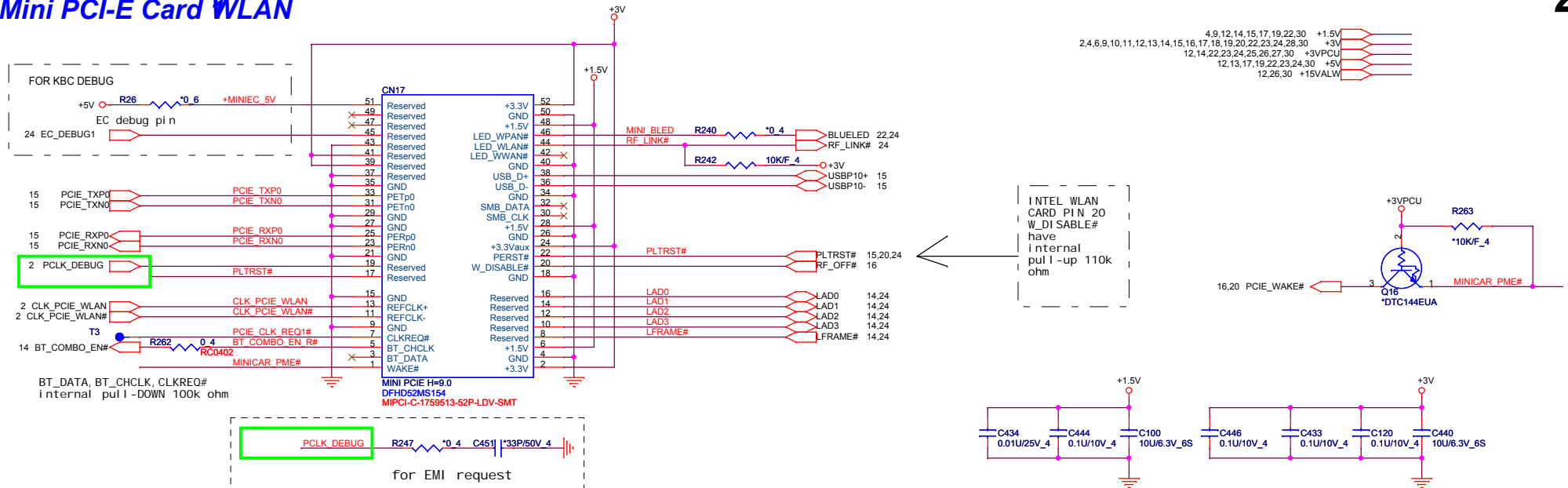
Lan Con.



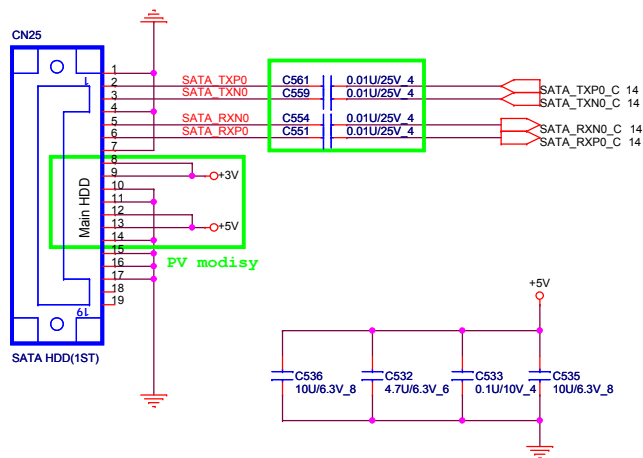
PROJECT :AX3
Quanta Computer Inc.

Size Custom	Document Number	Rev 2A
	RTL8103EL/RJ45	
Date: Monday, January 11, 2010	Sheet 20 of 30	

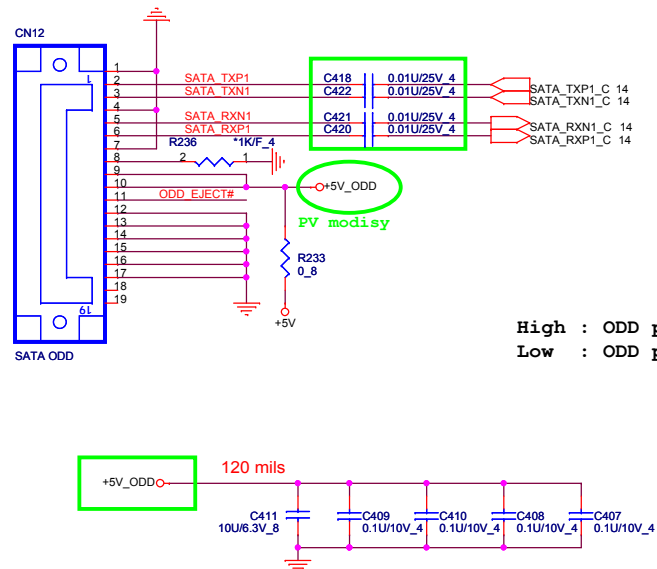
Mini PCI-E Card WLAN



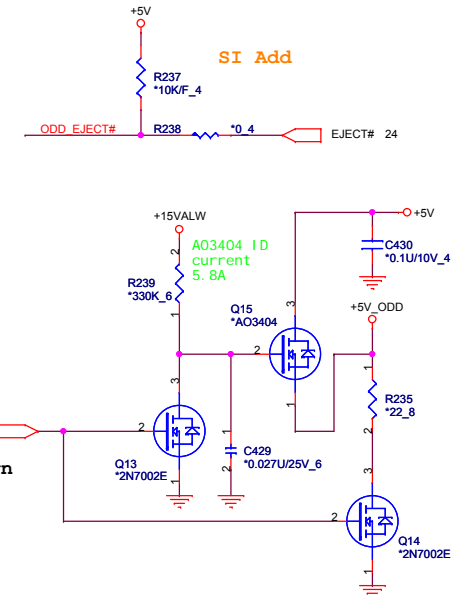
SATA HDD CONNECTOR



SATA ODD CONNECTOR



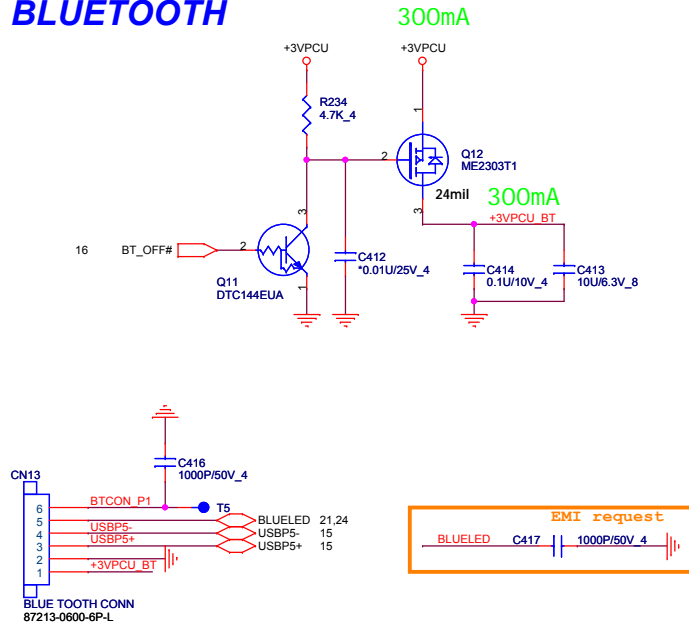
High : ODD power down
Low : ODD power on



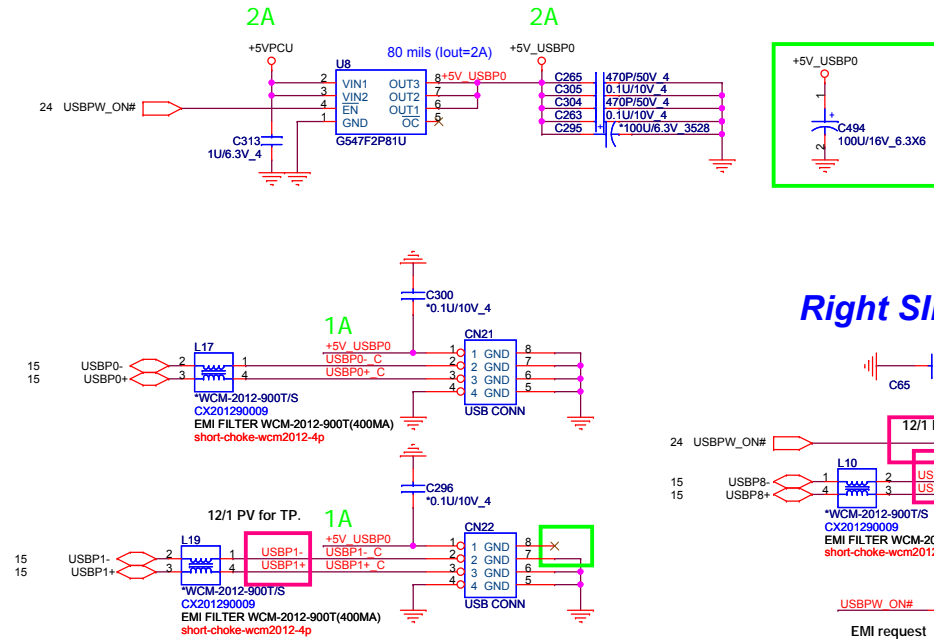
PROJECT :AX3
Quanta Computer Inc.

Size	Document Number	Rev
Custom	HDD/ODD/FAN	2A
Date: Thursday, January 07, 2010	Sheet 21 of 30	

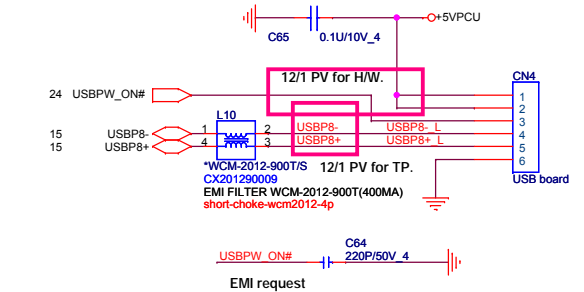
BLUETOOTH



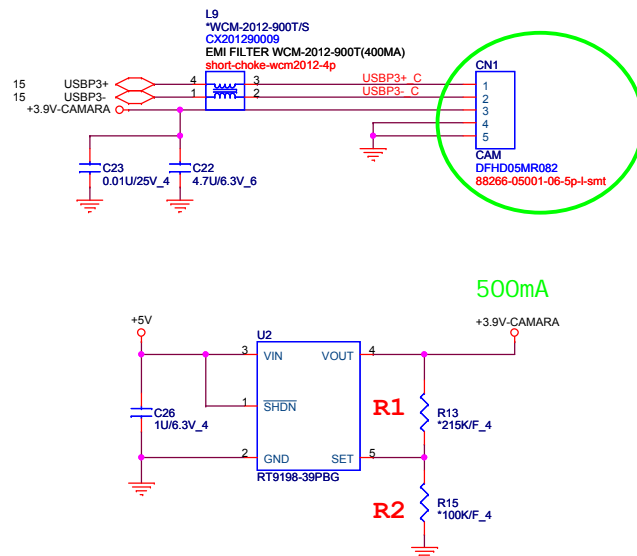
LEFT SIDE USBX1



Right SIDE USBX1

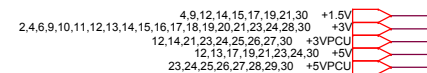
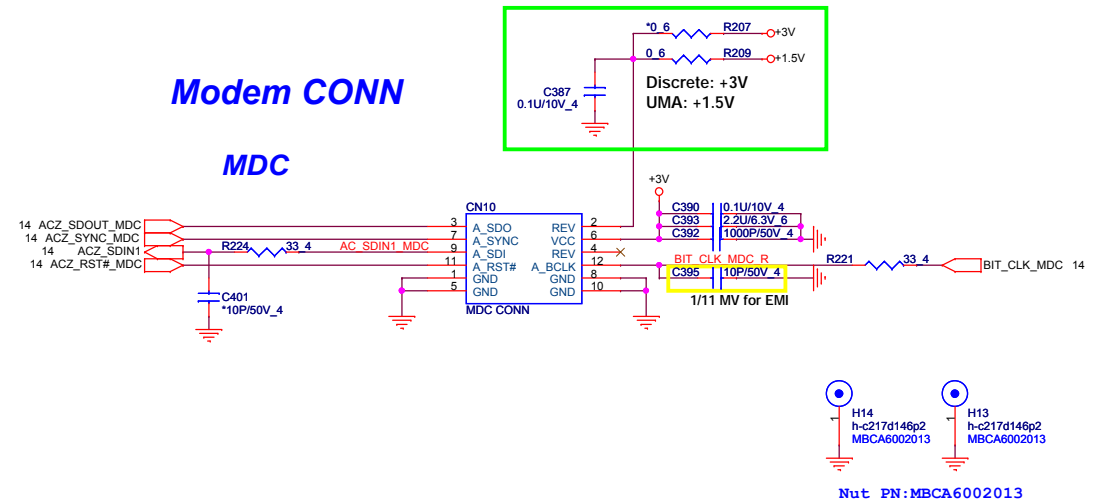


CAMERA

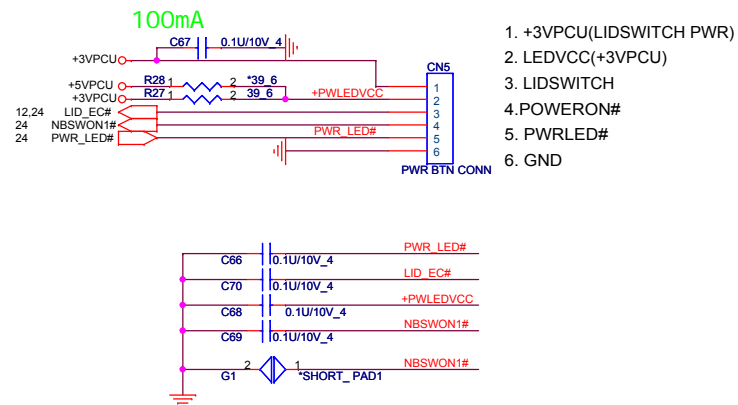
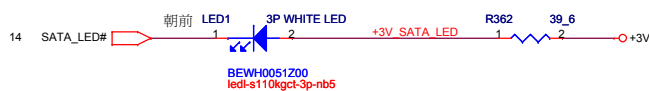


Modem CONN

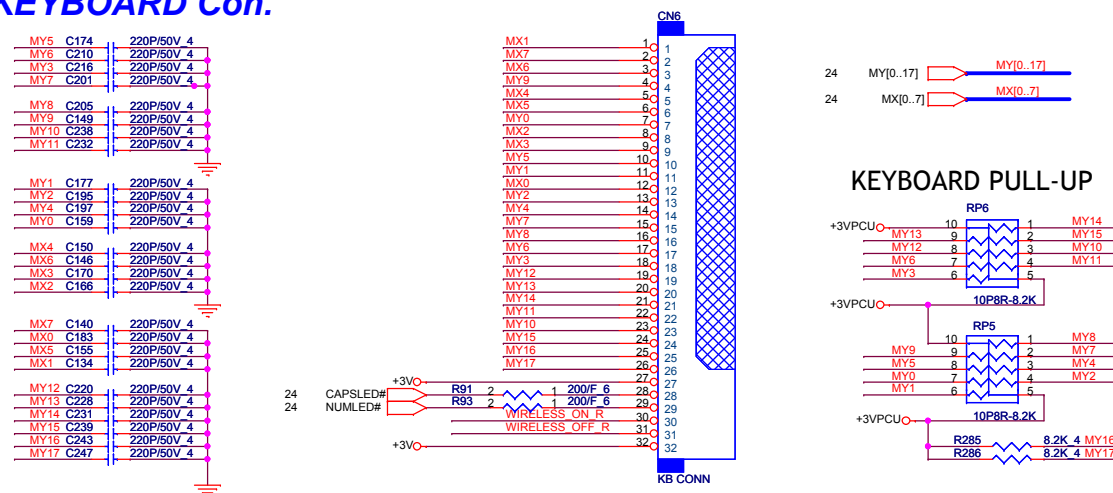
MDC



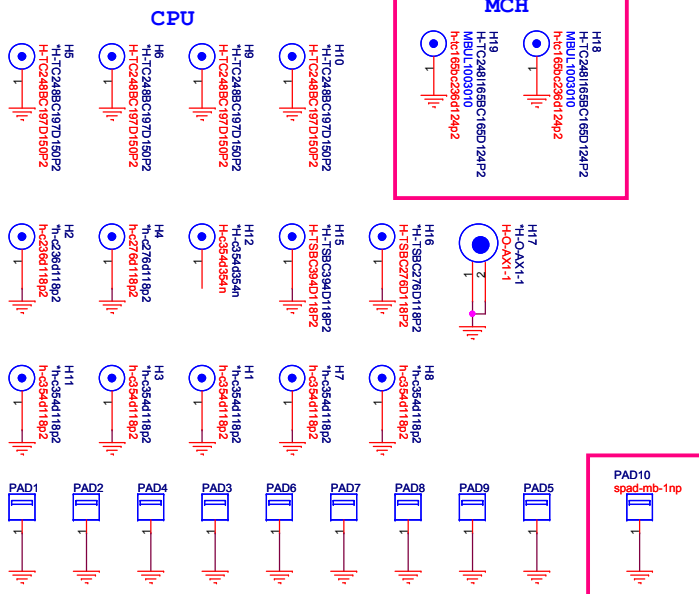
POWER BOTTON CONNECT

**SATA LED**

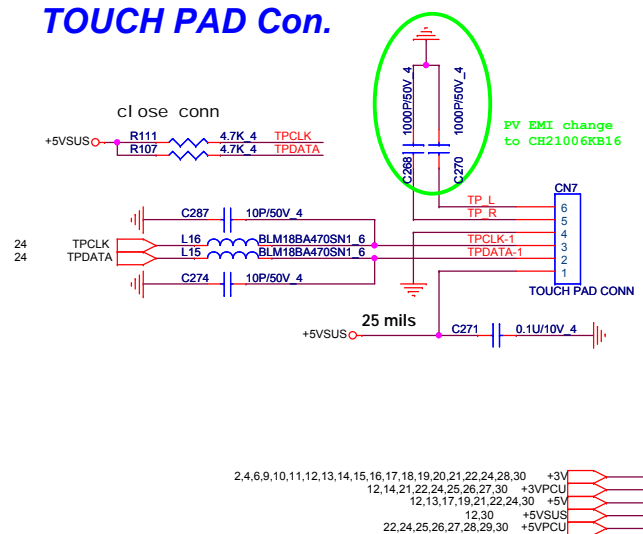
KEYBOARD Con.



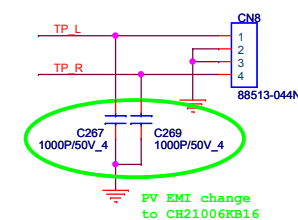
HOLE & PAD

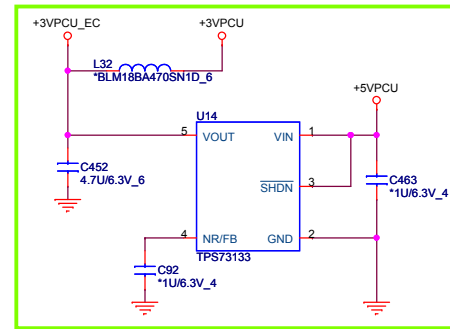
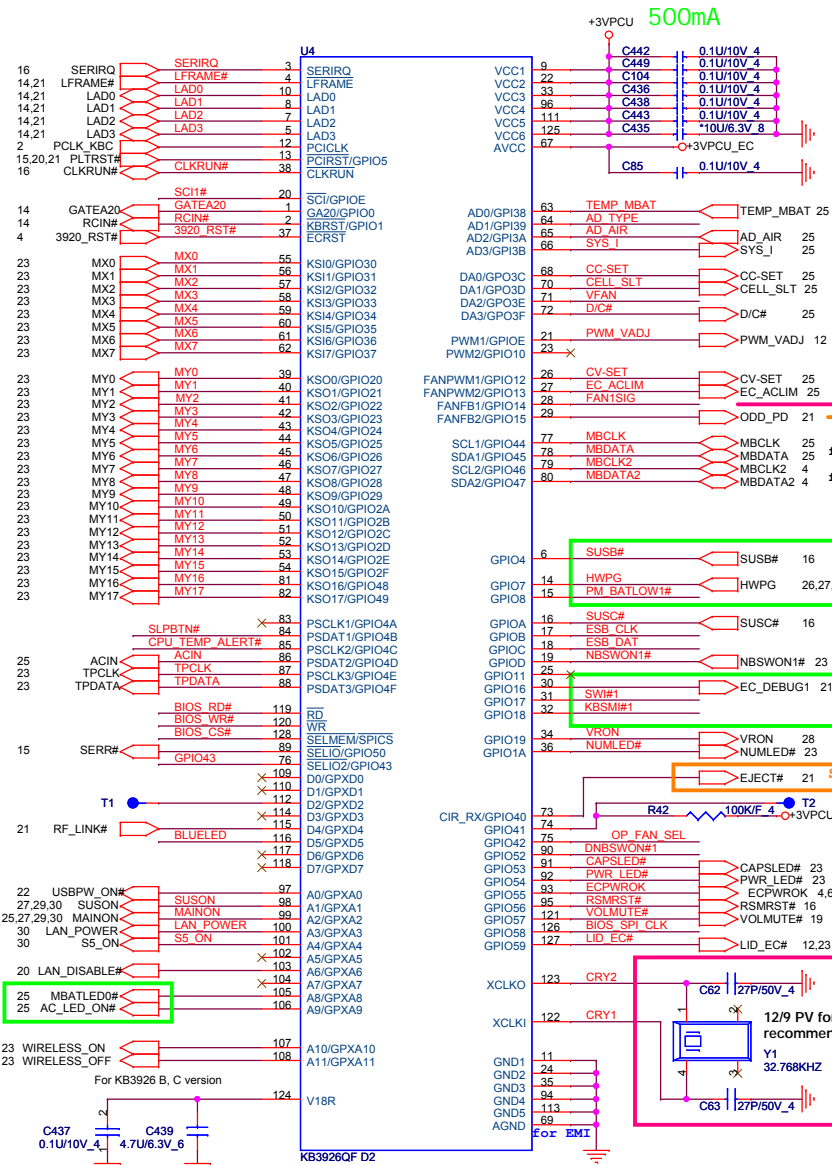


TOUCH PAD Con.

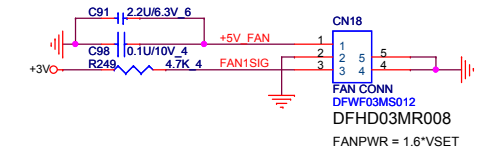
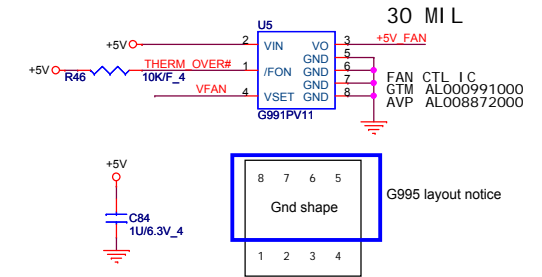


To TOUCH PAD SW board

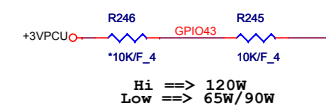




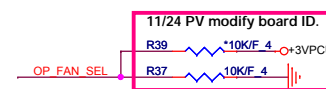
CPU FAN



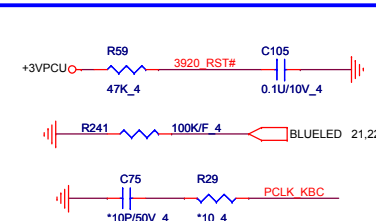
Adapter select for EC



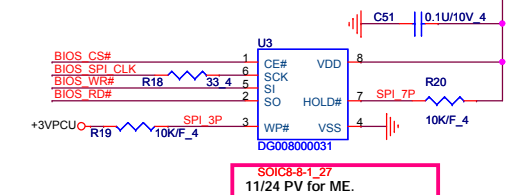
GPIO42 control fan table



Project Model	GPI O42
AX 14"	Hi gh
AX 15.6"	Low
AX 17.3"	Mi ddl e (1.5V)

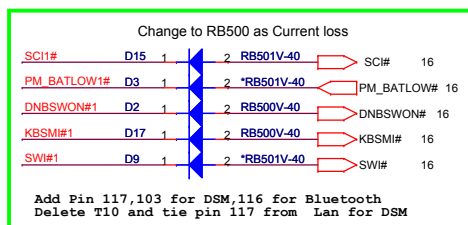
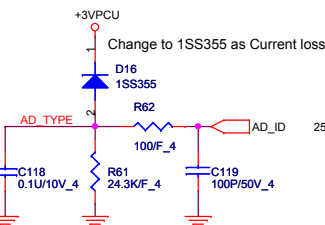


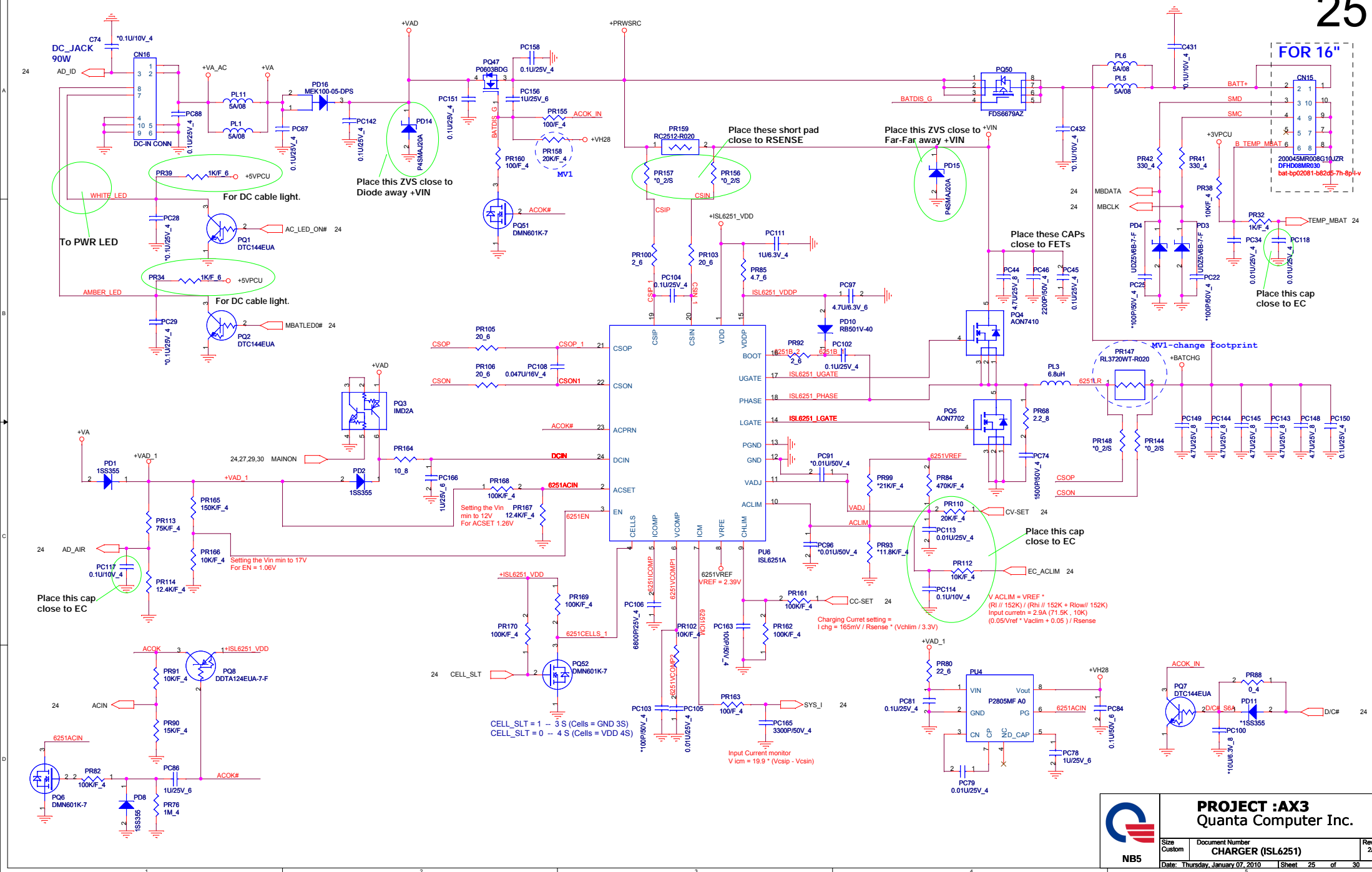
1M byte SPI EC ROM



Socket: DG008000031
WINBOND AKE3GZN0N00
EON AKE3GZP0Q00
AIT AKE3GZP0801
MAX AKE5GFK0Z09

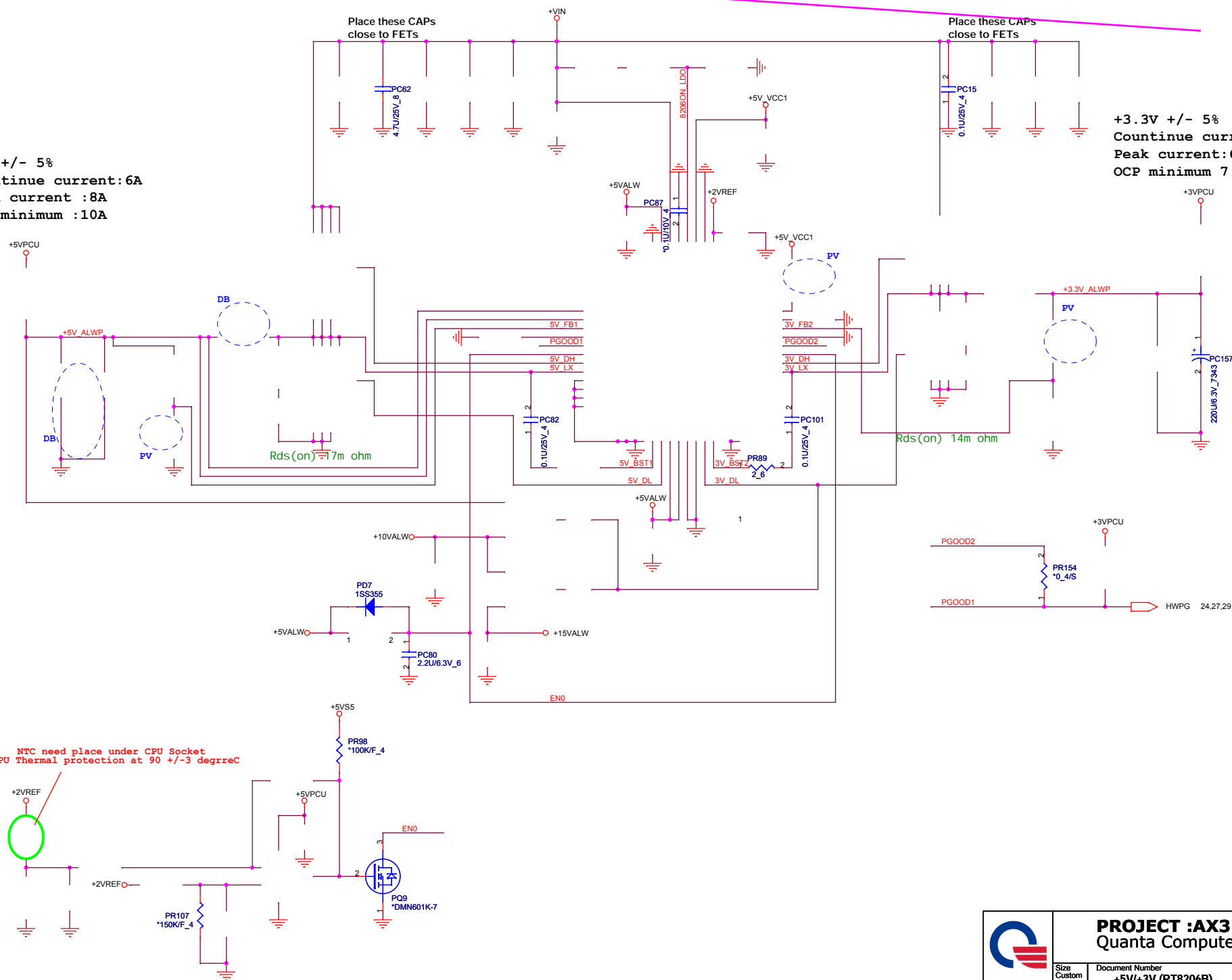
adapter Type check





+5V +/- 5%
Countinue current:6A
Peak current :8A
OCP minimum :10A

+3.3V +/- 5%
Countinue current:5A
Peak current:6A
OCP minimum 7.5A



PROJECT :AX3
Quanta Computer Inc.

Size
Custom

Document Number
+5V/+3V (RT8206B)

Rev
2A

Date: Thursday, January 07, 2010 | Sheet 26 of 30

