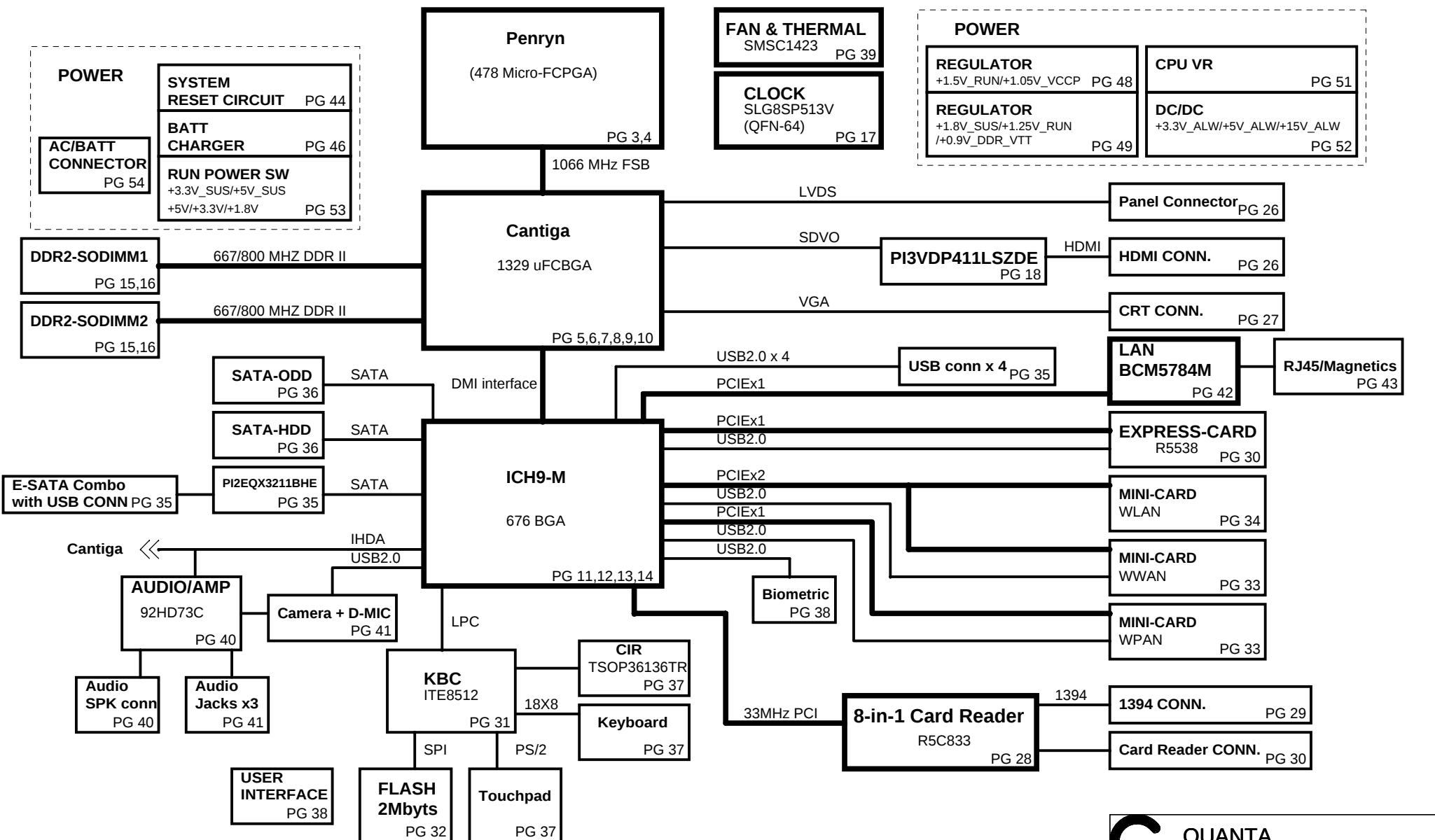
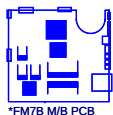
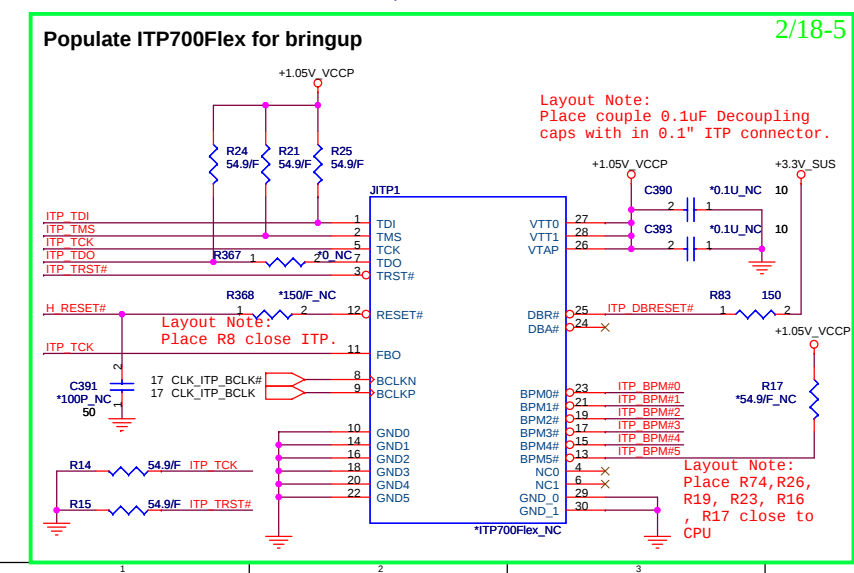
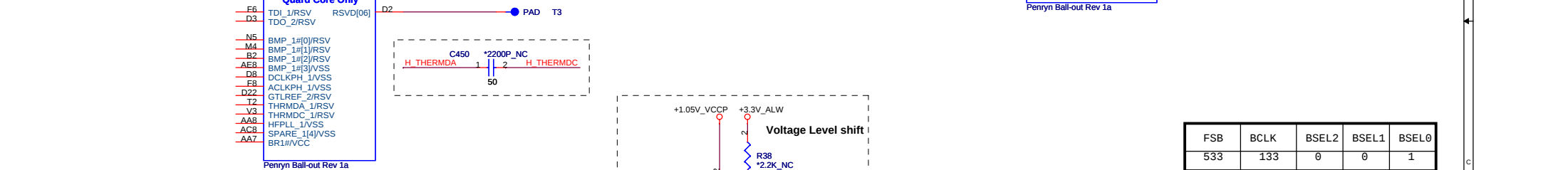
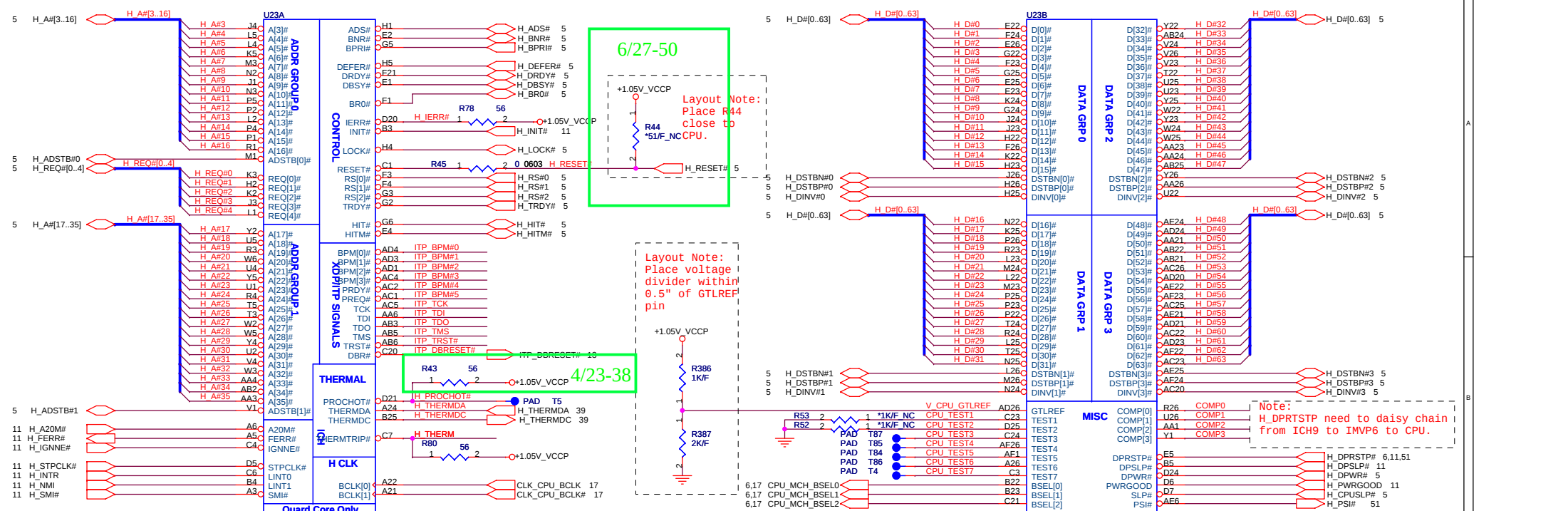




PAGE	DESCRIPTION
1	Schematic Block Diagram
2	Front Page
3-4	Merom
5-10	Crestline
11-14	ICH8M
15-16	DDRII SO-DIMM(200P)
17	Clock Generator
18	HDMI
23	LCD Conn. & SSP
24	CRT Conn
25	SATA Conn
26-27	CARD READER/Conn & 1394
28	Express Card & Smart Card
29-30	Mini Card
31	SIO (ITE8512)
32	FLASH/RTC
33	USB
35	TP / KEYBOARD
36	SWITCH /LED
37	FAN & Thermal
38-39	Audio CODEC(ALC888)/Phone Jack
40-41	LOM / Switch
44	System Reset Circuit
46	Battery Selector & Charger
48	1.05VCCP / 1.5VRUJN
49	DDR2_1.8VSUS, 0.9V
51	CPU_ISL6266(2phase)
52	MAX8744 (+5.5V,+3.3V)
53	RUN Power Switch
54	DCIN,Batt
55	PAD& SCREW
56	EMI CAP
57	SMBUS BLOCK
58	Power Block Dianram

POWER PLANE	VOLTAGE	PAGE	DESCRIPTION	CONTROL SIGNAL	ACTIVE IN
+PWR_SRC	10V~+19V	4,26,32,34,46,48,49,51,52,56	MAIN POWER		S0~S5
+RTC_CELL	+3.0V~+3.3V	11,14,31,32	RTC		S0~S5
+3.3V_ALW	+3.3V	3,31,32,34,36,37,38,44,46,49,52,53,54	8051 POWER	ALWON	S0~S5
+5V_ALW	+5V	35,36,46,48,49,52,53,54,56	LCD/CHARGE POWER	ALWON	S0~S5
+15V_ALW	+15V	26,36,37,52,53	LARGE POWER	+5V_ALW	S0~S5
+3.3V_LAN	+3.3V	42,43	LAN POWER	AUX_ON	
+5V_SUS	+5V	14,38,51,53	SLP_S5# CTRLD POWER	SUS_ON	
+3.3V_SUS	+3.3V	3,11,12,13,14,26,30,37,38,43,48,49,51,53	SLP_S5# CTRLD POWER	3.3V_SUS_ON	
+1.8V_SUS	+1.8V	6,8,9,15,48,49,53	SODIMM POWER	DDR_ON	
+0.9V_DDR_VTT	+0.9V	16,49,53	SODIMM POWER	0.9V_DDR_VTT_ON	
+5V_RUN	+5V	14,18,27,36,37,38,39,40,41,53	SLP_S3# CTRLD POWER	RUN_ON	
+3.3V_RUN	+3.3V	14,18,27,36,37,38,39,40,41,53	SLP_S3# CTRLD POWER	3.3V_RUN_ON	
+1.8V_RUN	+1.8V	18,38,53	SDVO POWER	RUN_ON	
+1.5V_RUN	+1.5V	4,9,14,30,33,34,48,53,56	CALISTOGA/ICH8 POWER	1.5V_RUN_ON	
+1.25V_RUN	+1.25V	6,9,14,49,53	CALISTOGA/ICH8 POWER	1.25V_RUN_ON	
+1.05V_VCCP	+1.05V	3,4,5,6,8,9,11,14,48,56	CPU/CALISTOGA/ICH8 POWER	1.05V_RUN_ON	
+VCC_CORE	+0.7V~+1.77V	4,51,56	CPU CORE POWER	IMVP_VR_ON	
+LCDVCC	+3.3V	26	LCD Power	LCDVCC_TST_EN & ENVDD	
+5V_MOD	+5V	36	Module Power	MODC_EN#	
+5V_HDD	+5V	36	HDD Power	HDDC_EN#	
+PBATT	+10V~+17V		MAIN BATTERY	CHG_PBATT	
+SBATT	+10V~+17V		SECOND BATTERY	CHG_SBATT	

GND PLANE	PAGE	DESCRIPTION
⏏ 8731AGND	46	
⏏ AGND_0.9V	49	
⏏ AGND_DC/DC	52	
⏏ AGND_DC2	48	
⏏ AGND_DDR	49	
⏏ AGND_ISL6260	51	
⏏ GND	ALL	



ITP disable guidelines

Signal	Resistor Value	Connect To	Resistor Placement
TDI	150 ohm +/- 5%	VTT	Within 2.0" of the ITP
TMS	39 ohm +/- 5%	VTT	Within 2.0" of the ITP
TRST#	680 ohm +/- 5%	GND	Within 2.0" of the ITP
TCK	27 ohm +/- 5%	GND	Within 2.0" of the ITP
TDO	Open	VTT	Within 2.0" of the ITP
ITP_EN	R268 Depop	+3VRUN	Close to CK410M Pin8

Table 1: FSB, BCLK, BSEL2, BSEL1, BSEL0

FSB	BCLK	BSEL2	BSEL1	BSEL0
533	133	0	0	1
667	166	0	1	1
800	200	0	1	0
1066	266	0	0	0

Table 2: Comp0, 2 connect with Zo=27.4ohm, Comp1, 3 connect with Zo=55ohm, make those traces length shorter than 0.5". Trace should be at least 25 mils away from any other toggling signal.

Comp0	Comp1	Comp2	Comp3
R29	R28	R27	R30

QUANTA COMPUTER

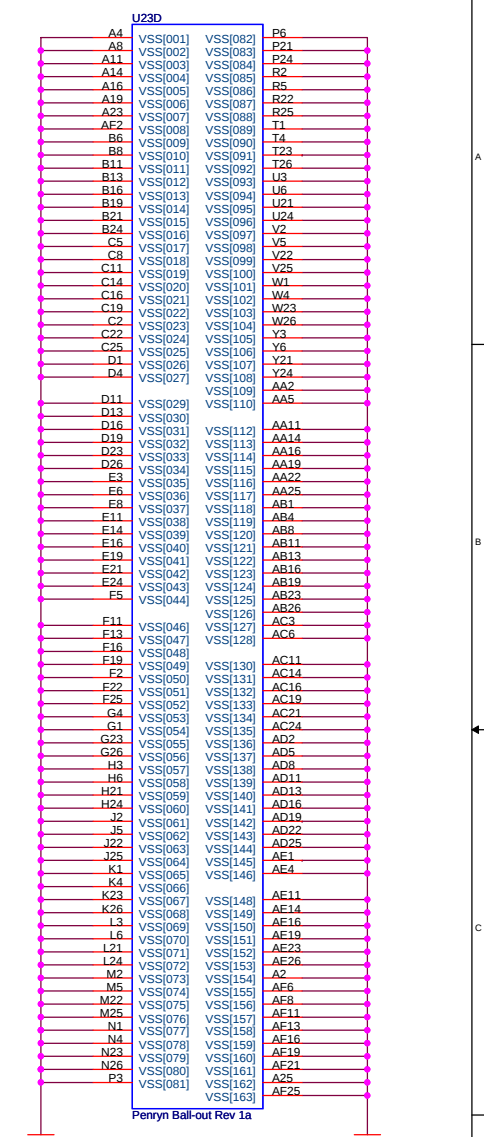
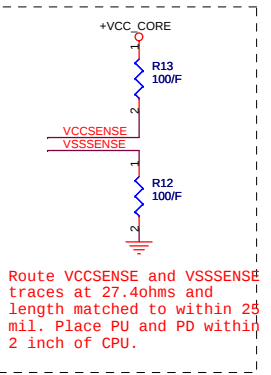
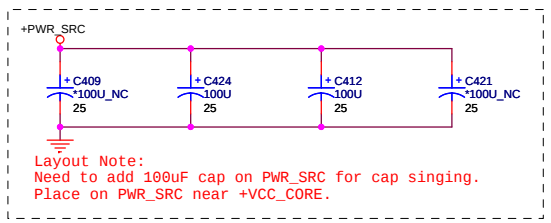
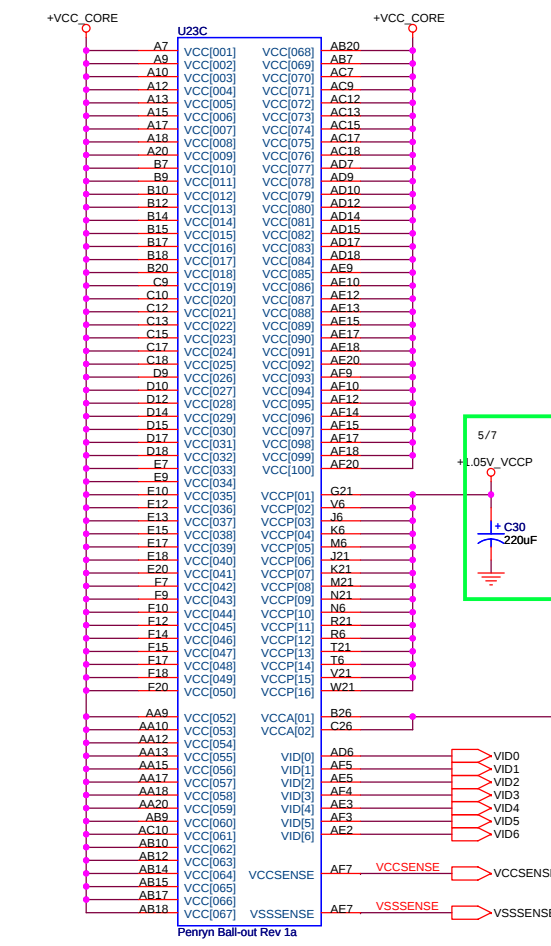
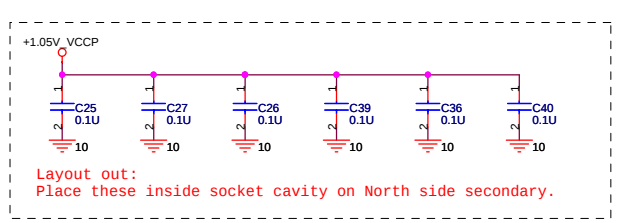
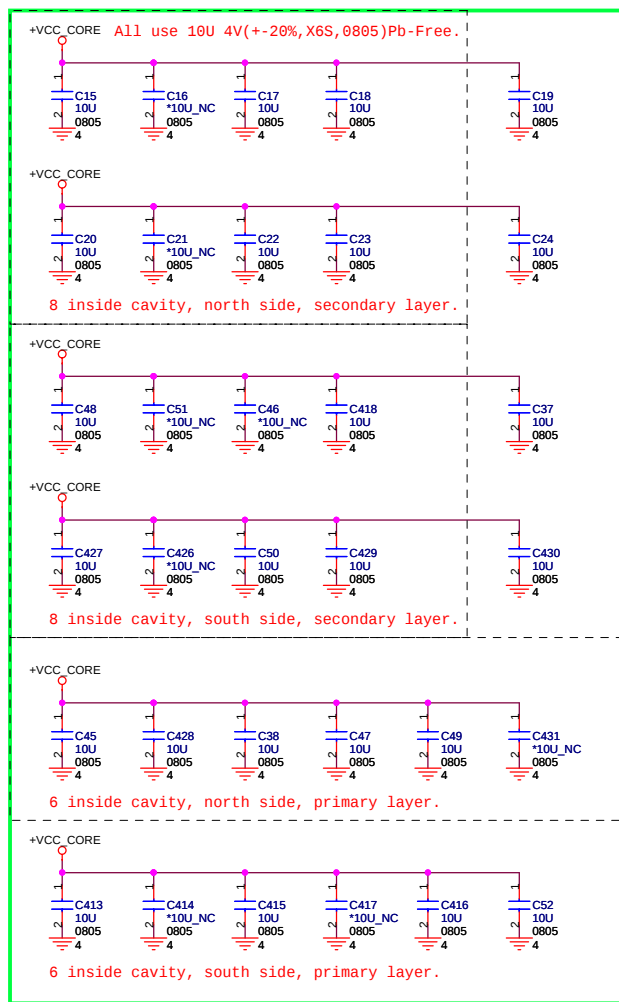
Merom Processor (HOST BUS)

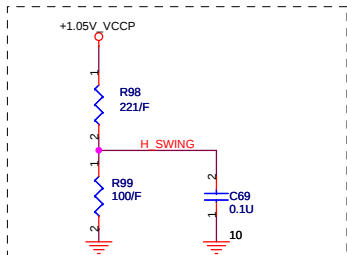
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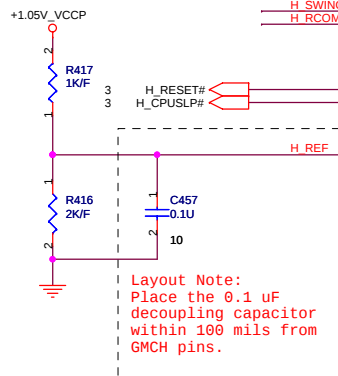
Sheet 3 of 60

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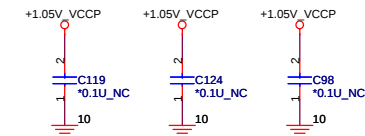
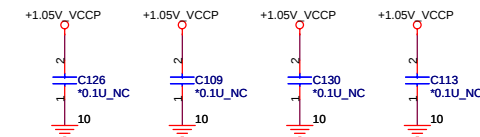
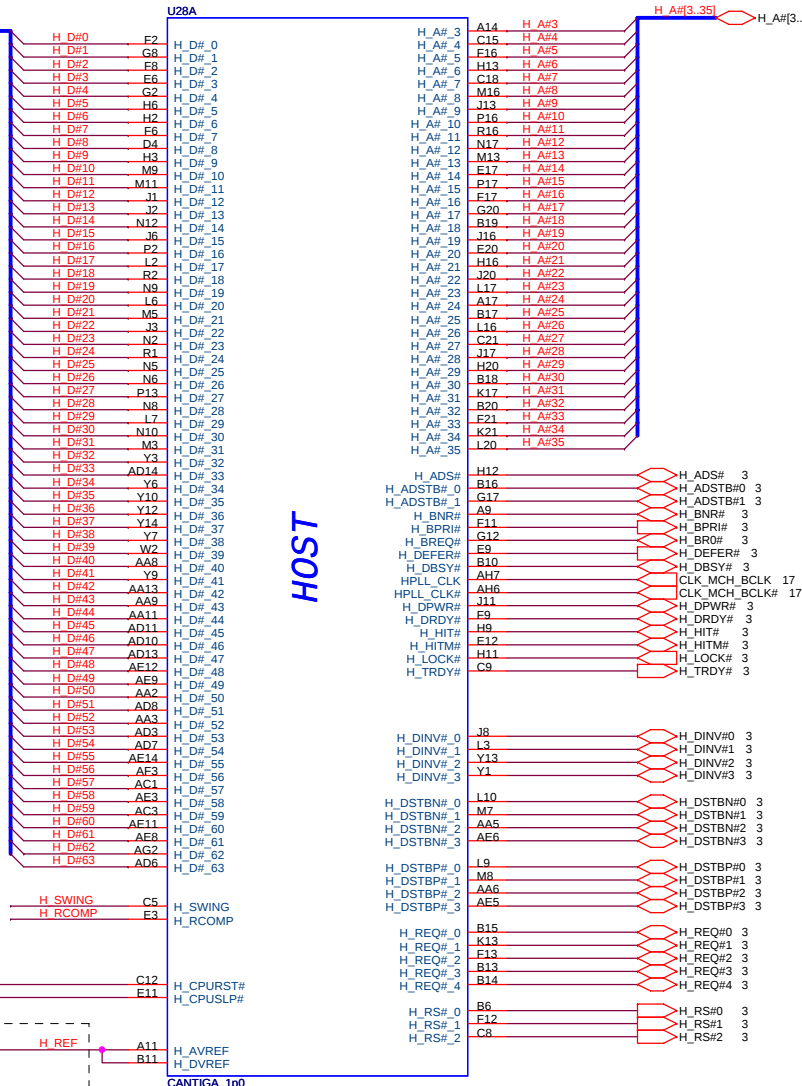




Layout Note:
H_RCOMP trace should be
10-mil wide with 20-mil
spacing.



Layout Note:
Place the 0.1 uF
decoupling capacitor
within 100 mils from
GMCH pins.



Layout Note:
C131 should be near AB1,AB2,AC2,Y3
C90 should be near AD2,AE2,AG3,AE3
C113 should be near
AC5, AC6, AD7, AC7, AC9, AD9, AD11, AC11, AD12, AD13, AC14
C127 should be near E2, F3, H2, H3, G4, H5, G7, H7
C129 should be near
M6, L7, K9, M7, N8, N9, M10, M11, N12, P13
C149 should be near
H13, J13, L13, M14, L16, K16, J17, H17
C146 should be near
E13, G17, F16, C15, B14, C11, B11, A11, B12



15 DDR_A_D[0..63]

DDR A D0	AJ38	SA_DQ_0
DDR A D1	AJ41	SA_DQ_1
DDR A D2	AN38	SA_DQ_2
DDR A D3	AM38	SA_DQ_3
DDR A D4	AJ36	SA_DQ_4
DDR A D5	AJ40	SA_DQ_5
DDR A D6	AM44	SA_DQ_6
DDR A D7	AM42	SA_DQ_7
DDR A D8	AN43	SA_DQ_8
DDR A D9	AN44	SA_DQ_9
DDR A D10	AU40	SA_DQ_10
DDR A D11	AT38	SA_DQ_11
DDR A D12	AN41	SA_DQ_12
DDR A D13	AN39	SA_DQ_13
DDR A D14	AU44	SA_DQ_14
DDR A D15	AU42	SA_DQ_15
DDR A D16	AV39	SA_DQ_16
DDR A D17	AY44	SA_DQ_17
DDR A D18	BA40	SA_DQ_18
DDR A D19	BD43	SA_DQ_19
DDR A D20	AV41	SA_DQ_20
DDR A D21	AY43	SA_DQ_21
DDR A D22	BD41	SA_DQ_22
DDR A D23	BC40	SA_DQ_23
DDR A D24	AY37	SA_DQ_24
DDR A D25	BD38	SA_DQ_25
DDR A D26	AV37	SA_DQ_26
DDR A D27	AT36	SA_DQ_27
DDR A D28	AY38	SA_DQ_28
DDR A D29	BD38	SA_DQ_29
DDR A D30	AV36	SA_DQ_30
DDR A D31	AW36	SA_DQ_31
DDR A D32	BD13	SA_DQ_32
DDR A D33	AU11	SA_DQ_33
DDR A D34	BC11	SA_DQ_34
DDR A D35	BA12	SA_DQ_35
DDR A D36	AU13	SA_DQ_36
DDR A D37	AV13	SA_DQ_37
DDR A D38	BD12	SA_DQ_38
DDR A D39	BC12	SA_DQ_39
DDR A D40	BA9	SA_DQ_40
DDR A D41	BA9	SA_DQ_41
DDR A D42	AU10	SA_DQ_42
DDR A D43	AV9	SA_DQ_43
DDR A D44	BA11	SA_DQ_44
DDR A D45	BD9	SA_DQ_45
DDR A D46	AY8	SA_DQ_46
DDR A D47	BA6	SA_DQ_47
DDR A D48	AV5	SA_DQ_48
DDR A D49	AV7	SA_DQ_49
DDR A D50	AT9	SA_DQ_50
DDR A D51	AN8	SA_DQ_51
DDR A D52	AU5	SA_DQ_52
DDR A D53	AU6	SA_DQ_53
DDR A D54	AT5	SA_DQ_54
DDR A D55	AN10	SA_DQ_55
DDR A D56	AM11	SA_DQ_56
DDR A D57	AM5	SA_DQ_57
DDR A D58	AJ9	SA_DQ_58
DDR A D59	AJ8	SA_DQ_59
DDR A D60	AN12	SA_DQ_60
DDR A D61	AM13	SA_DQ_61
DDR A D62	AJ11	SA_DQ_62
DDR A D63	AJ12	SA_DQ_63

CANTIGA_1p0

DDR SYSTEM MEMORY A

SA_BS_0
SA_BS_1
SA_BS_2

SA_RAS#
SA_CAS#
SA_WE#

SA_DM_0
SA_DM_1
SA_DM_2
SA_DM_3
SA_DM_4
SA_DM_5
SA_DM_6
SA_DM_7

SA_DQS_0
SA_DQS_1
SA_DQS_2
SA_DQS_3
SA_DQS_4
SA_DQS_5
SA_DQS_6
SA_DQS_7
SA_DQS#_0
SA_DQS#_1
SA_DQS#_2
SA_DQS#_3
SA_DQS#_4
SA_DQS#_5
SA_DQS#_6
SA_DQS#_7

SA_MA_0
SA_MA_1
SA_MA_2
SA_MA_3
SA_MA_4
SA_MA_5
SA_MA_6
SA_MA_7
SA_MA_8
SA_MA_9
SA_MA_10
SA_MA_11
SA_MA_12
SA_MA_13
SA_MA_14

BD21 DDR A BS0
BG18 DDR A BS1
AT25 DDR A BS2

BB20 DDR A RAS#
BD20 DDR A CAS#
AY20 DDR A WE#

AM37 DDR A DM0
AT41 DDR A DM1
AY41 DDR A DM2
AU39 DDR A DM3
BB12 DDR A DM4
AY6 DDR A DM5
AT7 DDR A DM6
AJ5 DDR A DM7

AJ44 DDR A DQS0
AT44 DDR A DQS1
BA43 DDR A DQS2
BC37 DDR A DQS3
AW12 DDR A DQS4
BC8 DDR A DQS5
AU8 DDR A DQS6
AM7 DDR A DQS7
AJ43 DDR A DQS#0
AT43 DDR A DQS#1
BA44 DDR A DQS#2
BD37 DDR A DQS#3
AY12 DDR A DQS#4
BD8 DDR A DQS#5
AU9 DDR A DQS#6
AM8 DDR A DQS#7

BA21 DDR A MA0
BC24 DDR A MA1
BG24 DDR A MA2
BH24 DDR A MA3
BG25 DDR A MA4
BA24 DDR A MA5
BD24 DDR A MA6
BG27 DDR A MA7
BE25 DDR A MA8
AW24 DDR A MA9
BC21 DDR A MA10
BG26 DDR A MA11
BH26 DDR A MA12
BH17 DDR A MA13
AY25 DDR A MA14

15 DDR_B_D[0..63]

DDR B D0	AK47	SB_DQ_0
DDR B D1	AM46	SB_DQ_1
DDR B D2	AP47	SB_DQ_2
DDR B D3	AP46	SB_DQ_3
DDR B D4	AJ46	SB_DQ_4
DDR B D5	AJ48	SB_DQ_5
DDR B D6	AM49	SB_DQ_6
DDR B D7	AP48	SB_DQ_7
DDR B D8	AU47	SB_DQ_8
DDR B D9	AU46	SB_DQ_9
DDR B D10	BA48	SB_DQ_10
DDR B D11	AY48	SB_DQ_11
DDR B D12	AT47	SB_DQ_12
DDR B D13	AR47	SB_DQ_13
DDR B D14	BA47	SB_DQ_14
DDR B D15	BC47	SB_DQ_15
DDR B D16	BC46	SB_DQ_16
DDR B D17	BC44	SB_DQ_17
DDR B D18	BG43	SB_DQ_18
DDR B D19	BF43	SB_DQ_19
DDR B D20	BE45	SB_DQ_20
DDR B D21	BC41	SB_DQ_21
DDR B D22	BF40	SB_DQ_22
DDR B D23	BF41	SB_DQ_23
DDR B D24	BG38	SB_DQ_24
DDR B D25	BF38	SB_DQ_25
DDR B D26	BH35	SB_DQ_26
DDR B D27	BG35	SB_DQ_27
DDR B D28	BH40	SB_DQ_28
DDR B D29	BG39	SB_DQ_29
DDR B D30	BG34	SB_DQ_30
DDR B D31	BH34	SB_DQ_31
DDR B D32	BH14	SB_DQ_32
DDR B D33	BG12	SB_DQ_33
DDR B D34	BH11	SB_DQ_34
DDR B D35	BG8	SB_DQ_35
DDR B D36	BH12	SB_DQ_36
DDR B D37	BF11	SB_DQ_37
DDR B D38	BE8	SB_DQ_38
DDR B D39	BG7	SB_DQ_39
DDR B D40	BC5	SB_DQ_40
DDR B D41	BC6	SB_DQ_41
DDR B D42	AY3	SB_DQ_42
DDR B D43	AY1	SB_DQ_43
DDR B D44	BE6	SB_DQ_44
DDR B D45	BE5	SB_DQ_45
DDR B D46	BA1	SB_DQ_46
DDR B D47	BD3	SB_DQ_47
DDR B D48	AV2	SB_DQ_48
DDR B D49	AU3	SB_DQ_49
DDR B D50	AR3	SB_DQ_50
DDR B D51	AN2	SB_DQ_51
DDR B D52	AY2	SB_DQ_52
DDR B D53	AV1	SB_DQ_53
DDR B D54	AP3	SB_DQ_54
DDR B D55	AR1	SB_DQ_55
DDR B D56	AL1	SB_DQ_56
DDR B D57	AL2	SB_DQ_57
DDR B D58	AJ1	SB_DQ_58
DDR B D59	AH1	SB_DQ_59
DDR B D60	AM2	SB_DQ_60
DDR B D61	AM3	SB_DQ_61
DDR B D62	AH3	SB_DQ_62
DDR B D63	AJ3	SB_DQ_63

CANTIGA_1p0

DDR SYSTEM MEMORY B

SB_BS_0
SB_BS_1
SB_BS_2

SB_RAS#
SB_CAS#
SB_WE#

SB_DM_0
SB_DM_1
SB_DM_2
SB_DM_3
SB_DM_4
SB_DM_5
SB_DM_6
SB_DM_7

SB_DQS_0
SB_DQS_1
SB_DQS_2
SB_DQS_3
SB_DQS_4
SB_DQS_5
SB_DQS_6
SB_DQS_7
SB_DQS#_0
SB_DQS#_1
SB_DQS#_2
SB_DQS#_3
SB_DQS#_4
SB_DQS#_5
SB_DQS#_6
SB_DQS#_7

SB_MA_0
SB_MA_1
SB_MA_2
SB_MA_3
SB_MA_4
SB_MA_5
SB_MA_6
SB_MA_7
SB_MA_8
SB_MA_9
SB_MA_10
SB_MA_11
SB_MA_12
SB_MA_13
SB_MA_14

BC16 DDR B BS0
BB17 DDR B BS1
BB33 DDR B BS2

AU17 DDR B RAS#
BG16 DDR B CAS#
BF14 DDR B WE#

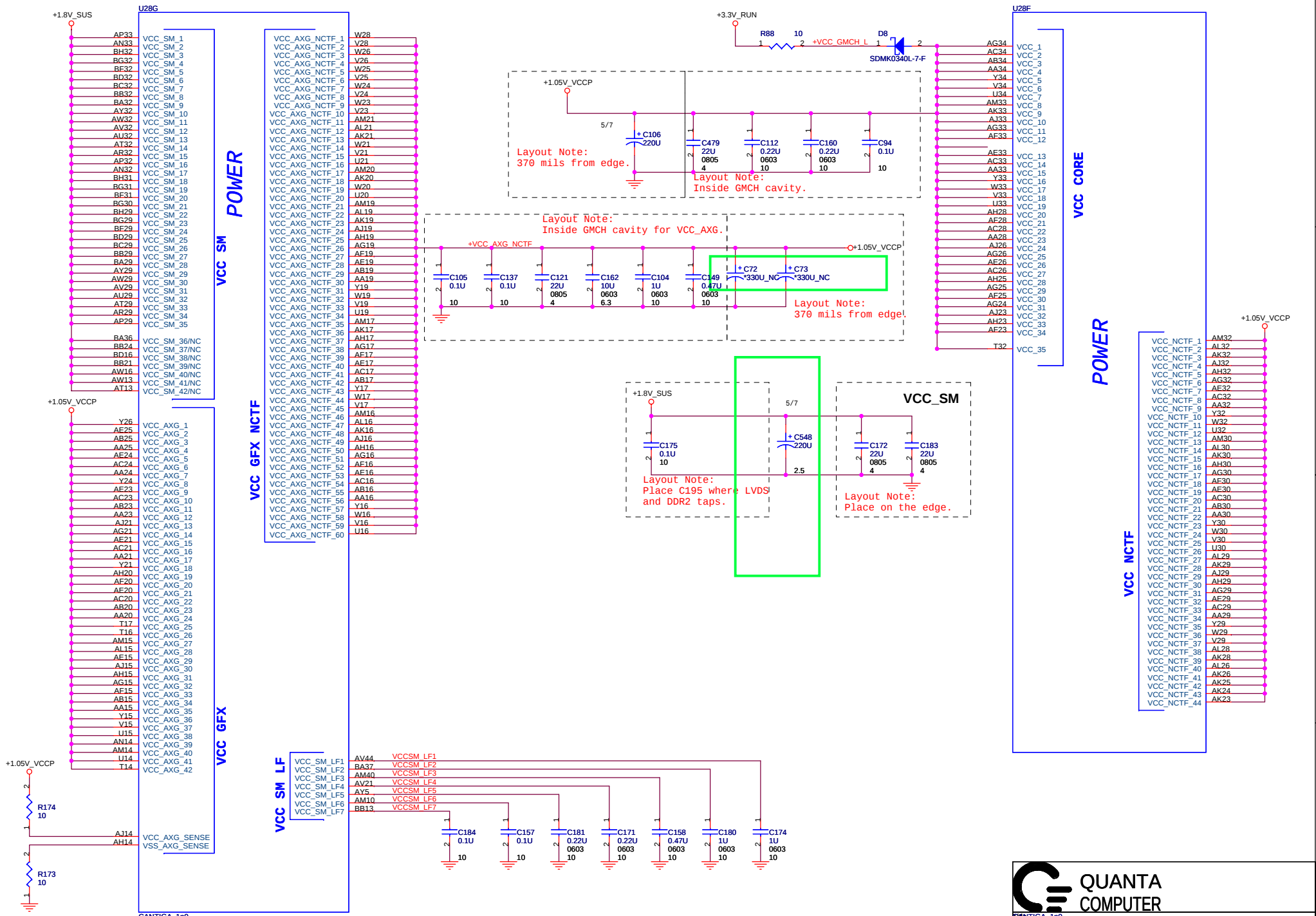
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BA3 DDR B DM5
AP1 DDR B DM6
AK2 DDR B DM7

AL47 DDR B DQS0
AV48 DDR B DQS1
BG41 DDR B DQS2
BG37 DDR B DQS3
BH9 DDR B DQS4
BB2 DDR B DQS5
AU1 DDR B DQS6
AN6 DDR B DQS7
AL46 DDR B DQS#0
AV47 DDR B DQS#1
BH41 DDR B DQS#2
BH37 DDR B DQS#3
BG9 DDR B DQS#4
BC2 DDR B DQS#5
AT2 DDR B DQS#6
AN5 DDR B DQS#7

AV17 DDR B MA0
BA25 DDR B MA1
BC25 DDR B MA2
AU25 DDR B MA3
AW25 DDR B MA4
BB28 DDR B MA5
AU28 DDR B MA6
AW28 DDR B MA7
AT33 DDR B MA8
BD33 DDR B MA9
BB16 DDR B MA10
AW33 DDR B MA11
AY33 DDR B MA12
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AU33 DDR B MA14



Title Crestline (DDR2)		
Size FM7B	Document Number	Rev 1A
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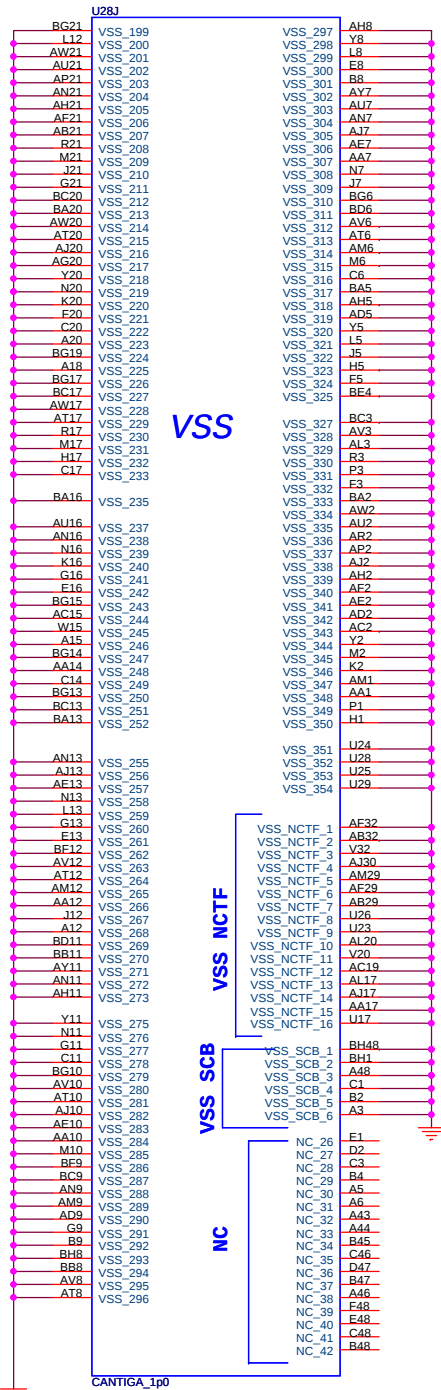
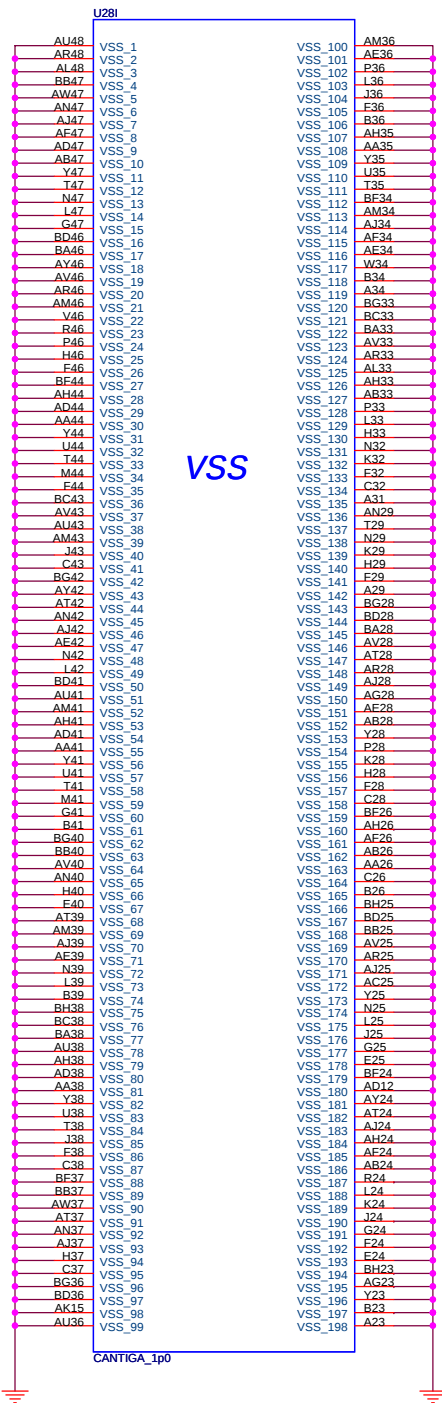
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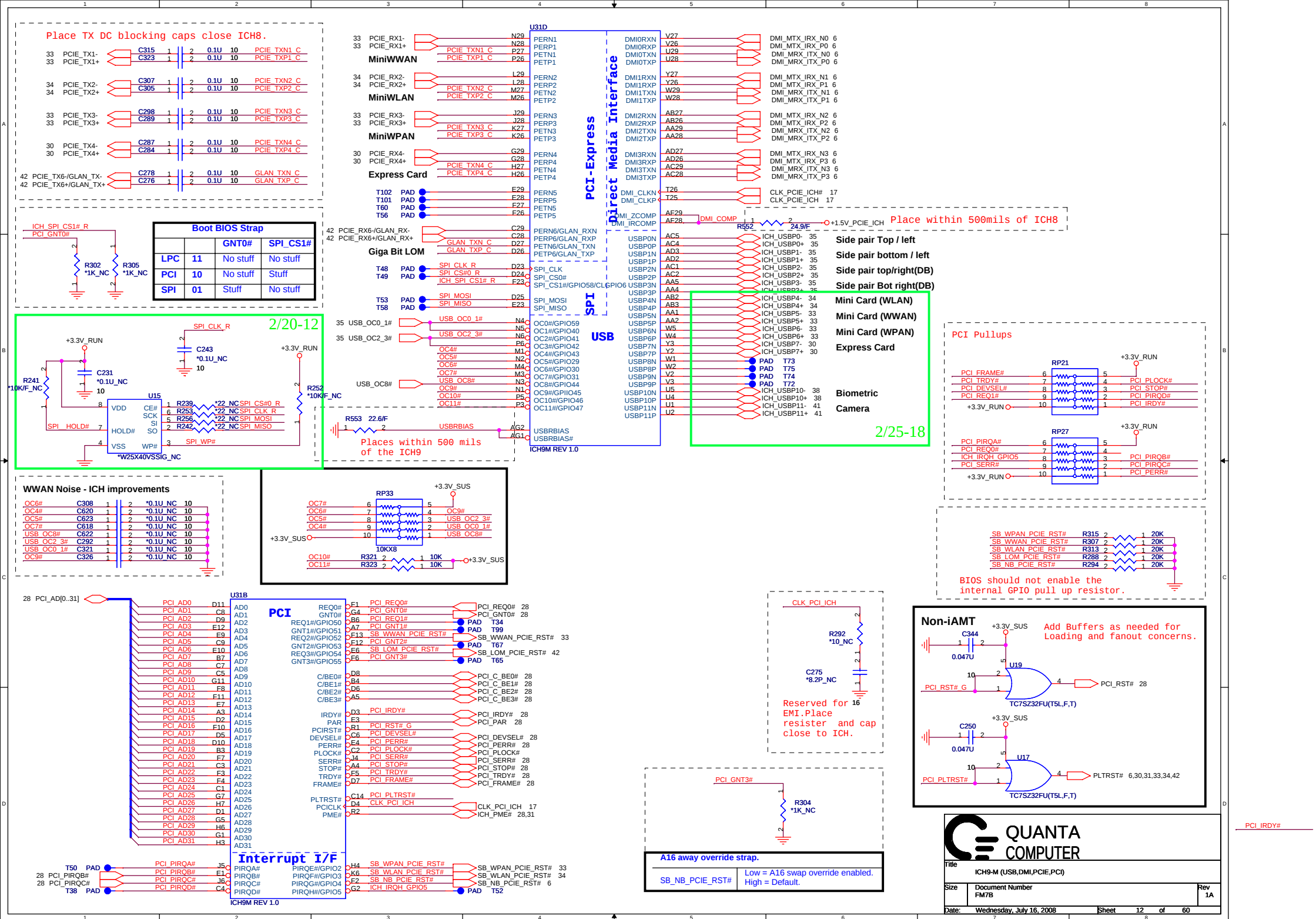
QUANTA
COMPUTER

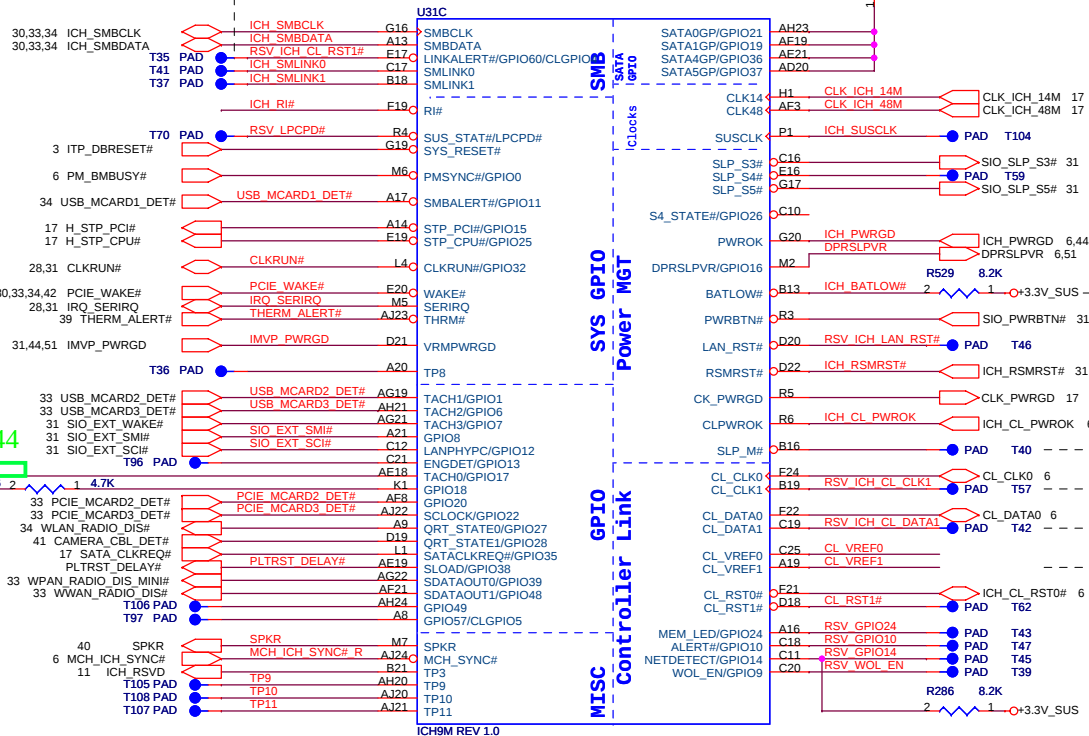
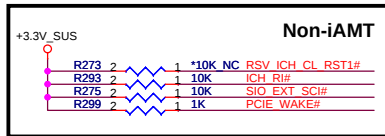
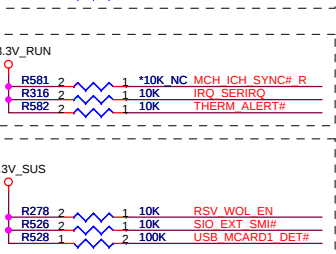
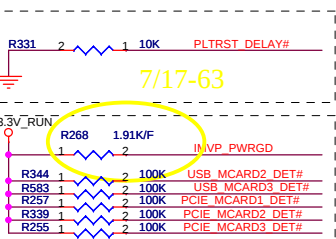
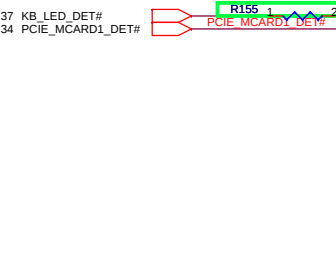
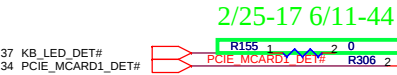
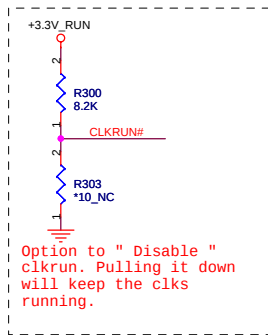
CANTIGA_1p0
Crestline (VCC,NCTF)

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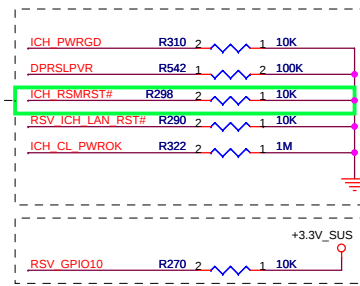
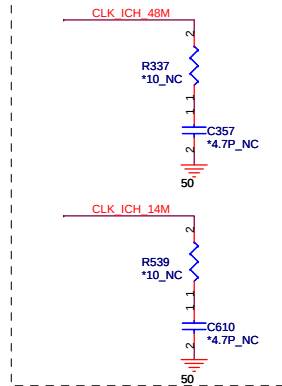


Title		
Crestline (VSS)		
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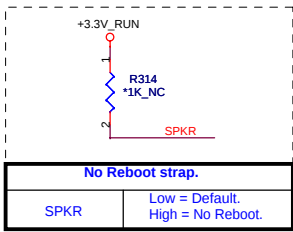
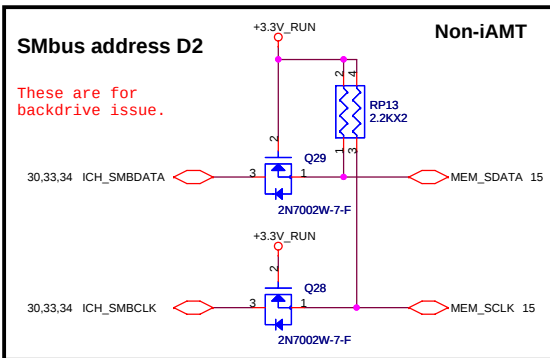
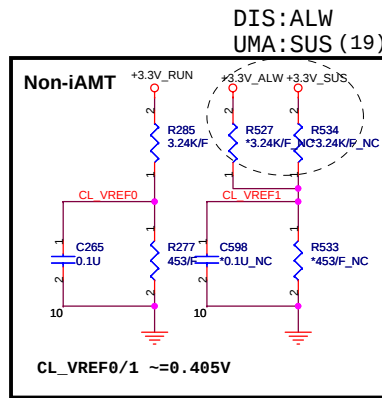


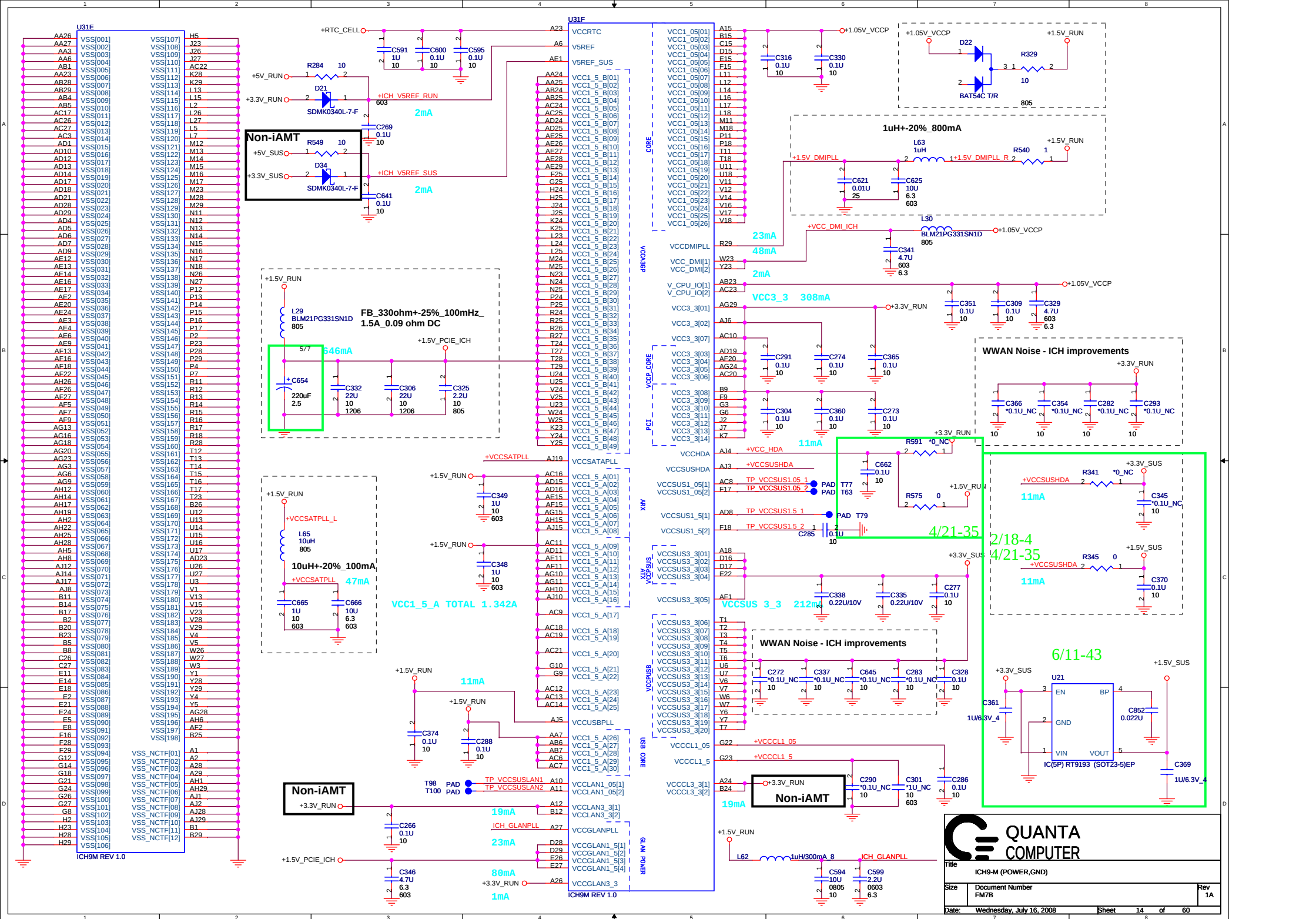


Place these close to ICH8.

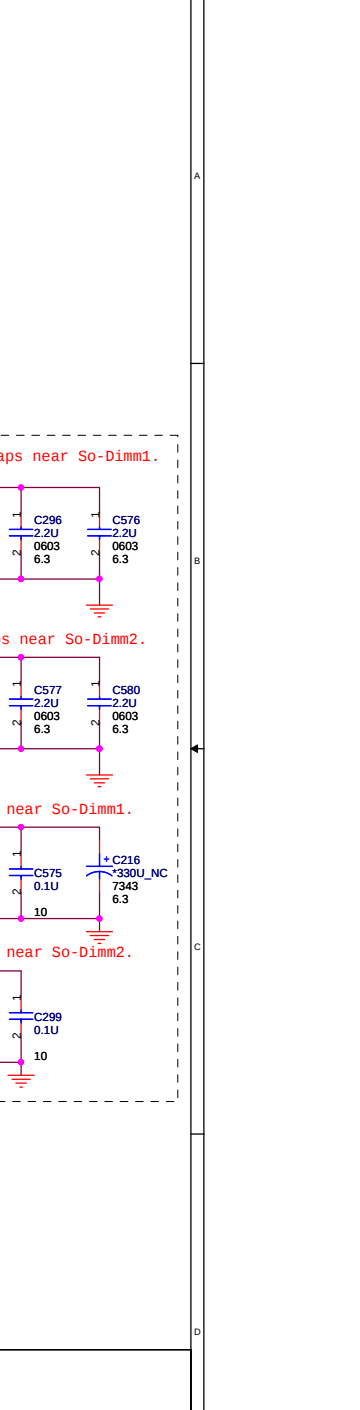
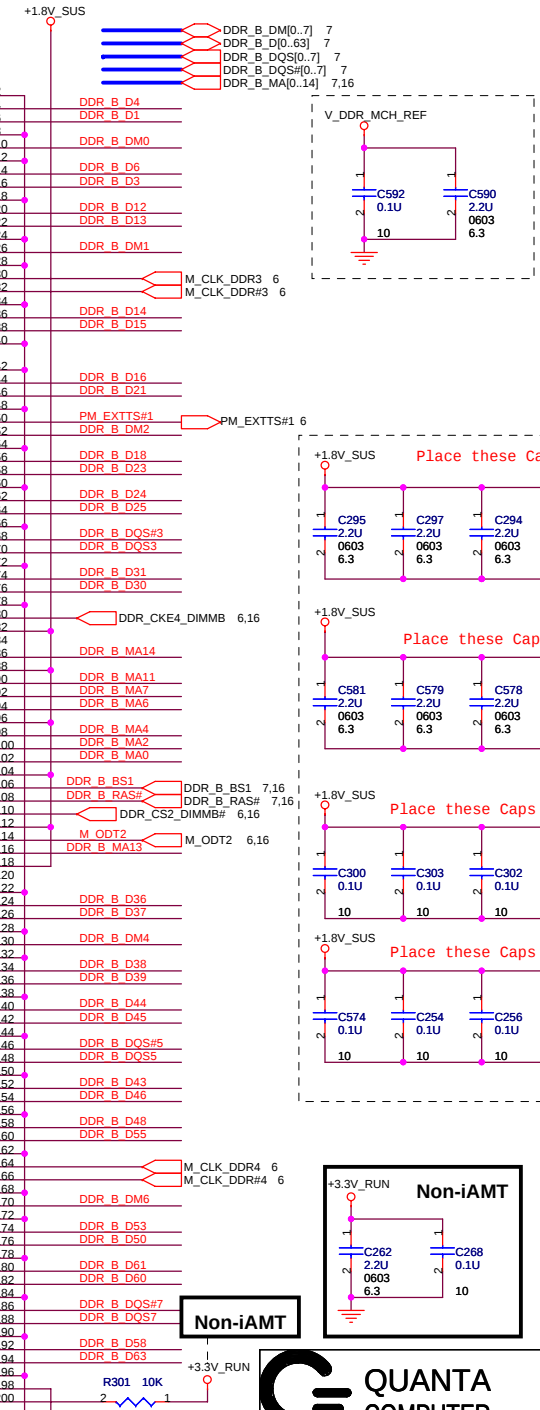
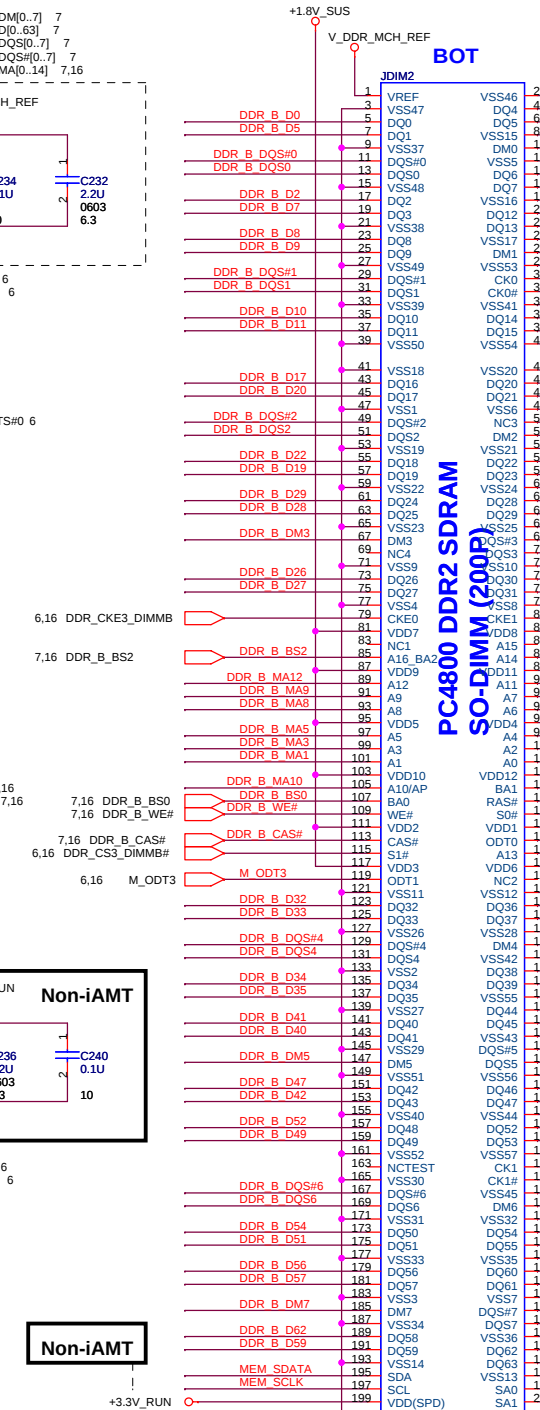
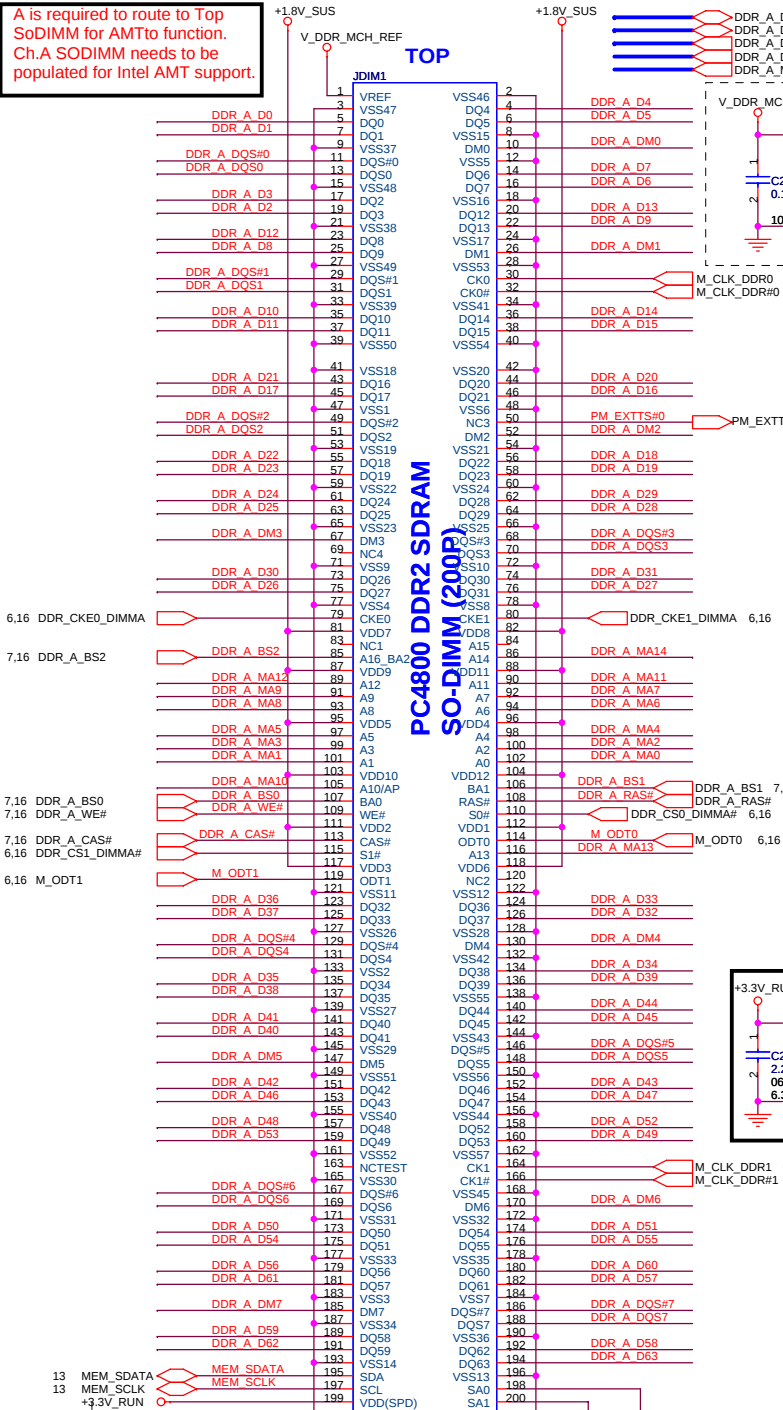


Non-iAMT





A is required to route to Top SoDIMM for AMTto function. Ch.A SODIMM needs to be populated for Intel AMT support.



QUANTA COMPUTER

Title: DDR2 SO-DIMM (200P) X 2

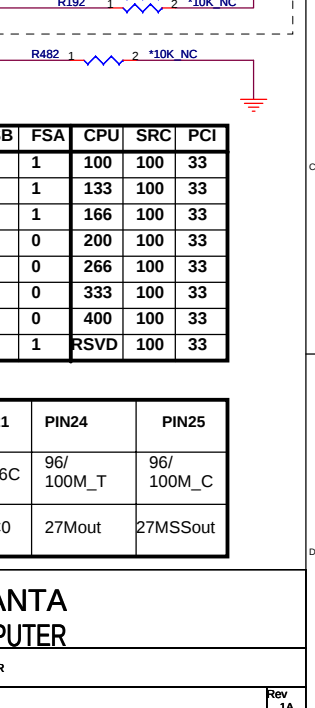
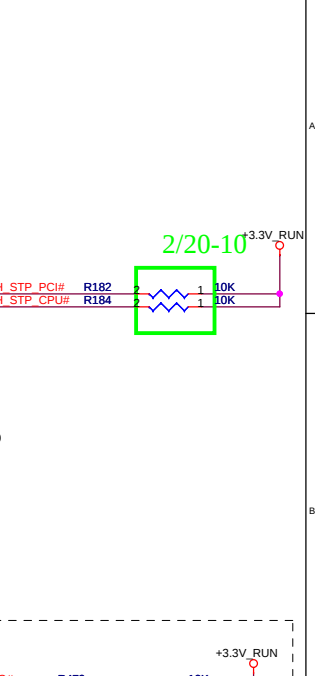
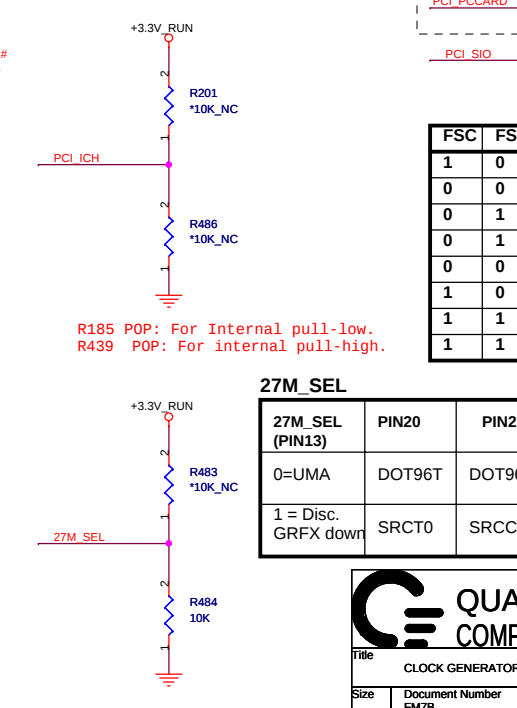
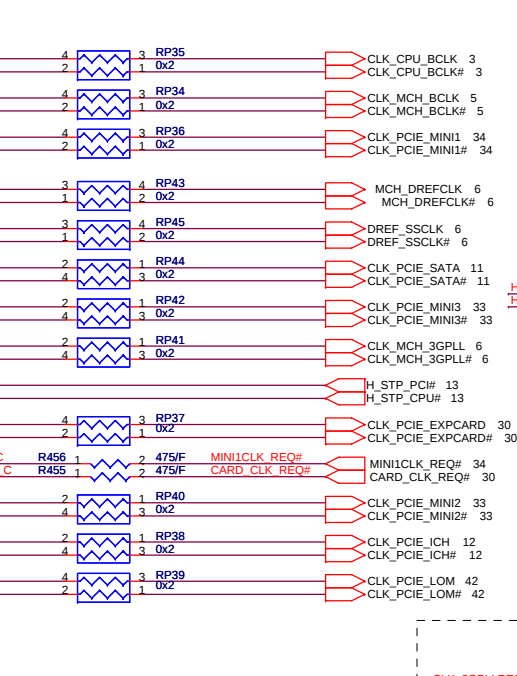
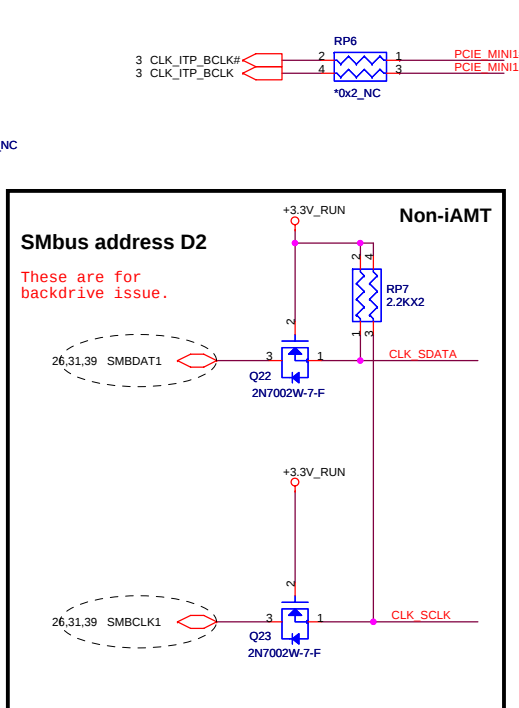
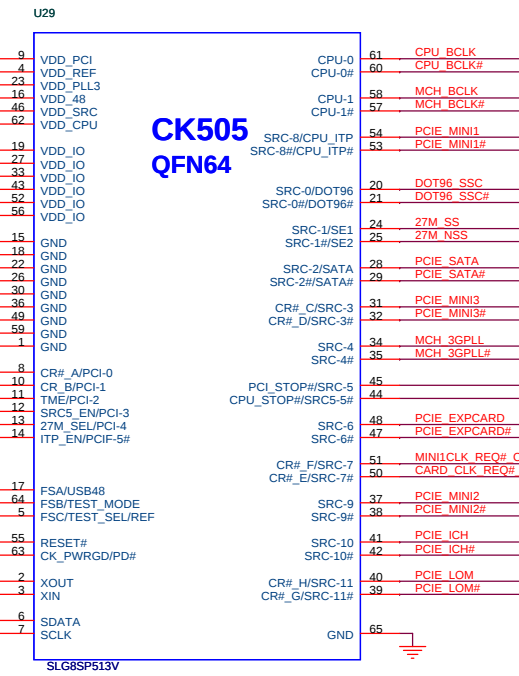
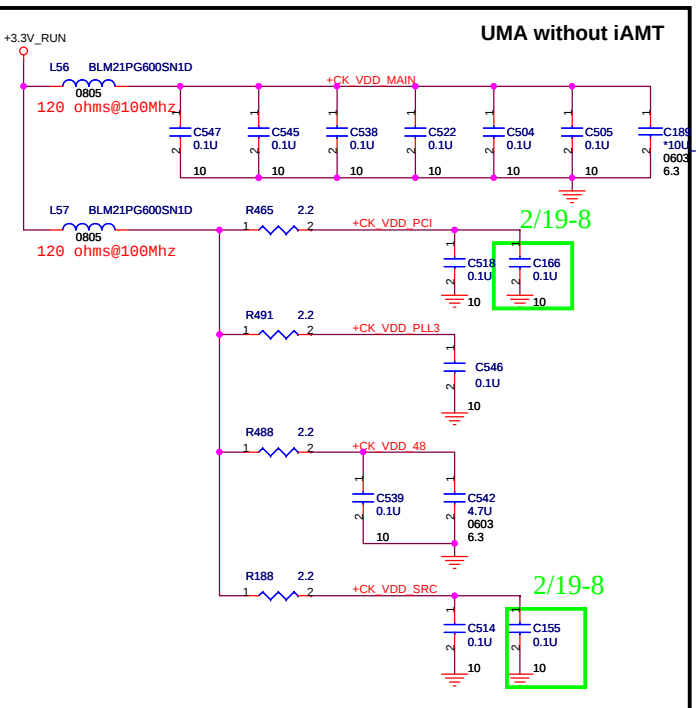
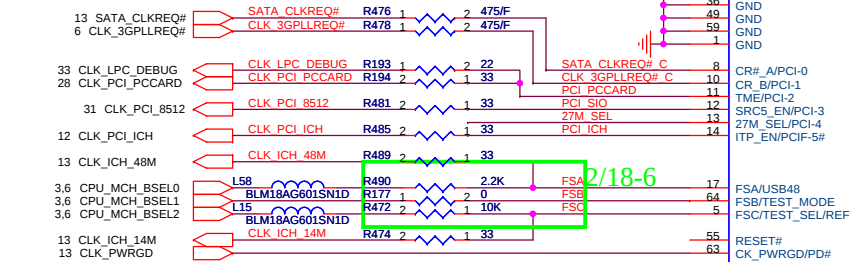
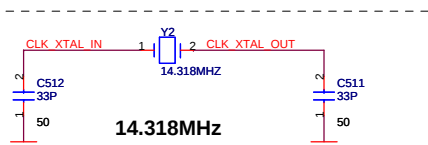
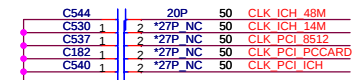
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Add capacitor pads for improving WWAN.

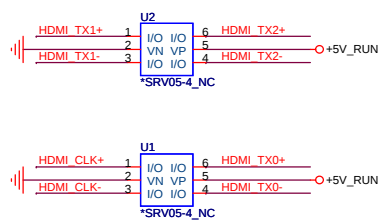
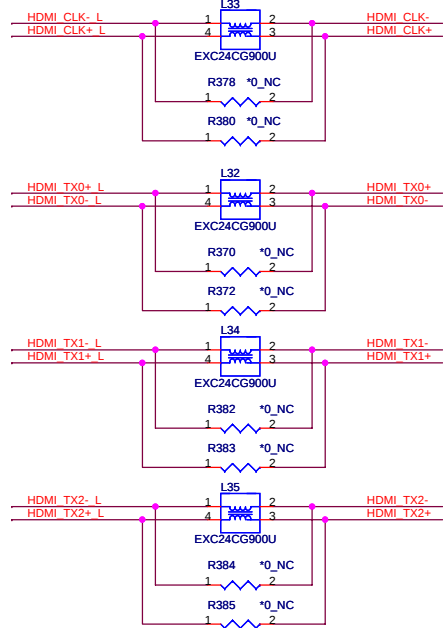


FSC	FSB	FSA	CPU	SRC	PCI
1	0	1	100	100	33
0	0	1	133	100	33
0	1	1	166	100	33
0	1	0	200	100	33
0	0	0	266	100	33
1	0	0	333	100	33
1	1	0	400	100	33
1	1	1	RSVD	100	33

27M_SEL

27M_SEL (PIN13)	PIN20	PIN21	PIN24	PIN25
0=UMA	DOT96T	DOT96C	96/100M_T	96/100M_C
1 = Disc. GRFX down	SRCT0	SRCC0	27Mout	27MSSout

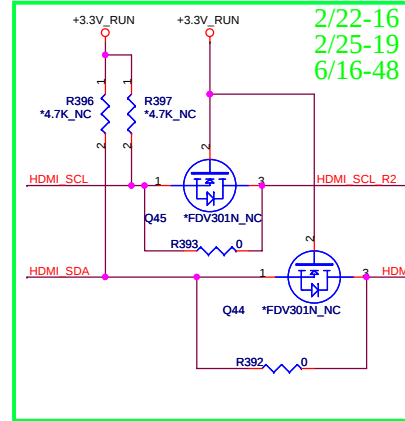




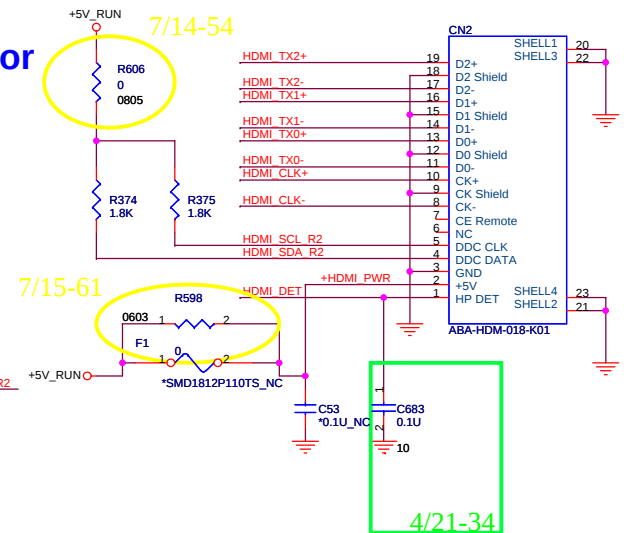
4/17-31

Reserve for EMI and close to HDMI CONN

HDMI Connector

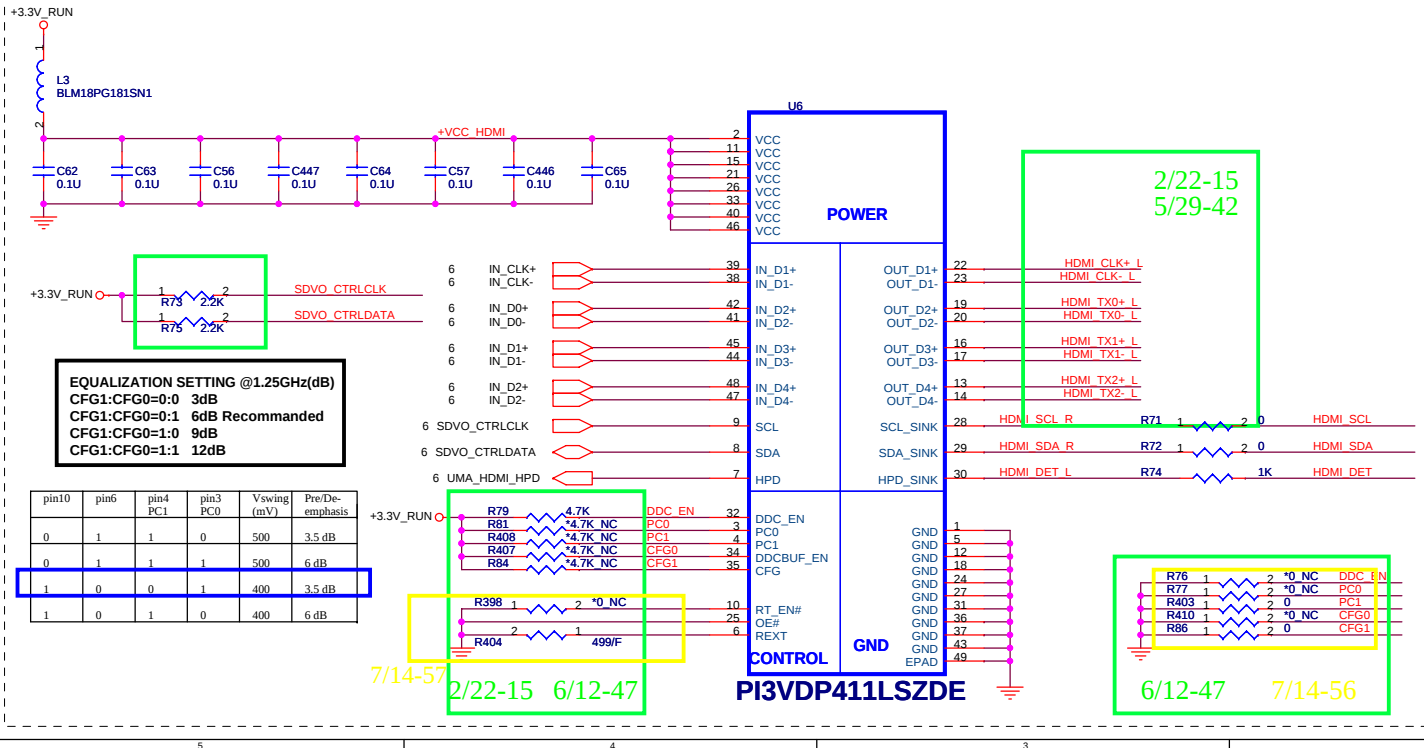


2/22-16
2/25-19
6/16-48



7/15-61

4/21-34



EQUALIZATION SETTING @1.25GHz(dB)
CFG1:CFG0=0:0 3dB
CFG1:CFG0=0:1 6dB Recommended
CFG1:CFG0=1:0 9dB
CFG1:CFG0=1:1 12dB

pin10	pin6	pin4 PC1	pin3 PC0	Vswing (mV)	Pre/De- emphasis
0	1	1	0	500	3.5 dB
0	1	1	1	500	6 dB
1	0	0	1	400	3.5 dB
1	0	1	0	400	6 dB

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 QUANTA COMPUTER		
Title		
Size	Document Number	Rev
FM6B		1A
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 QUANTA COMPUTER		
Title		
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	A	B	C	D	E
4					
3					
2					
1					
	A	B	C	D	E

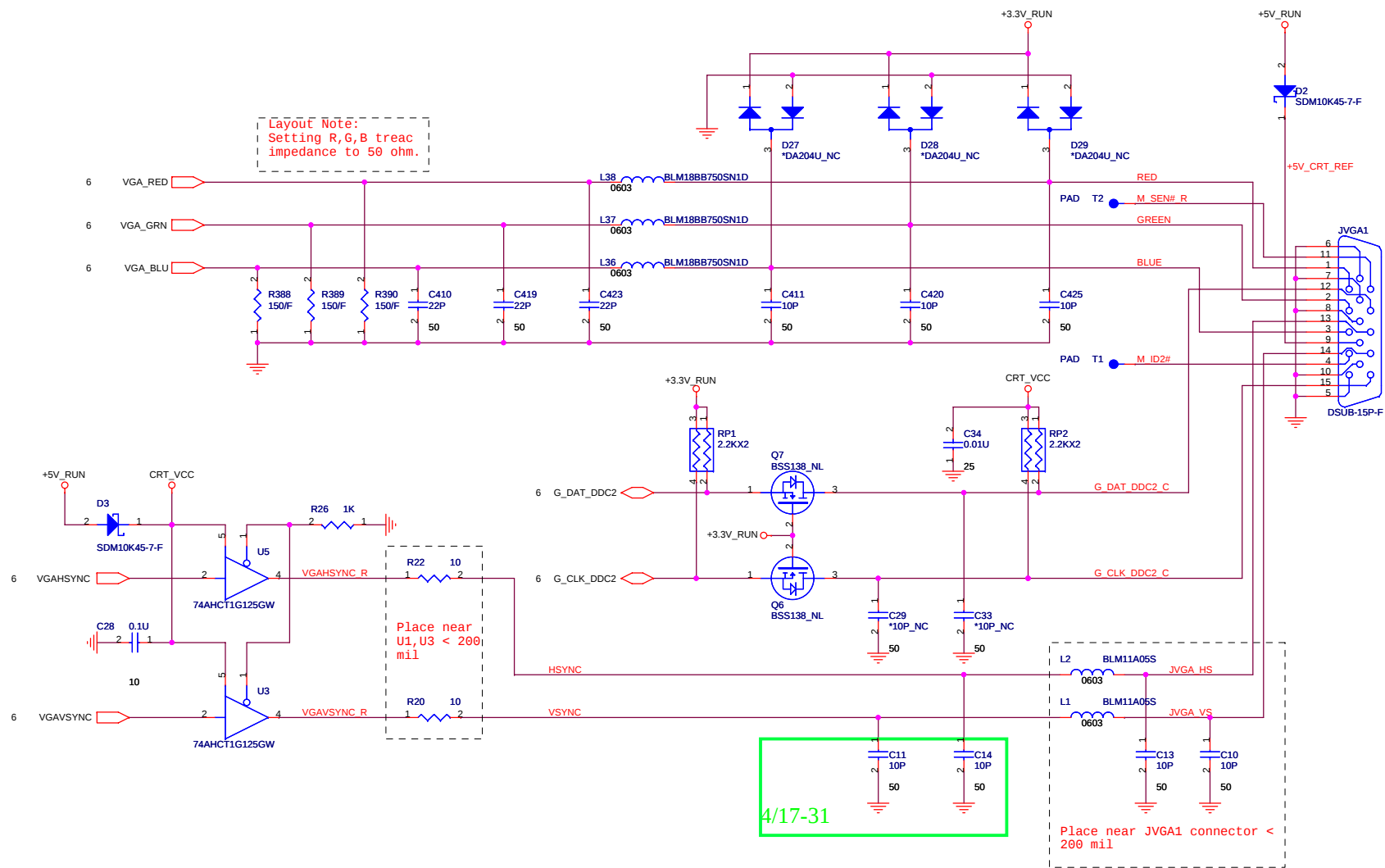
 QUANTA COMPUTER		
Title FLASH, RTC & KC		
Size FM6B	Document Number	Rev 1A
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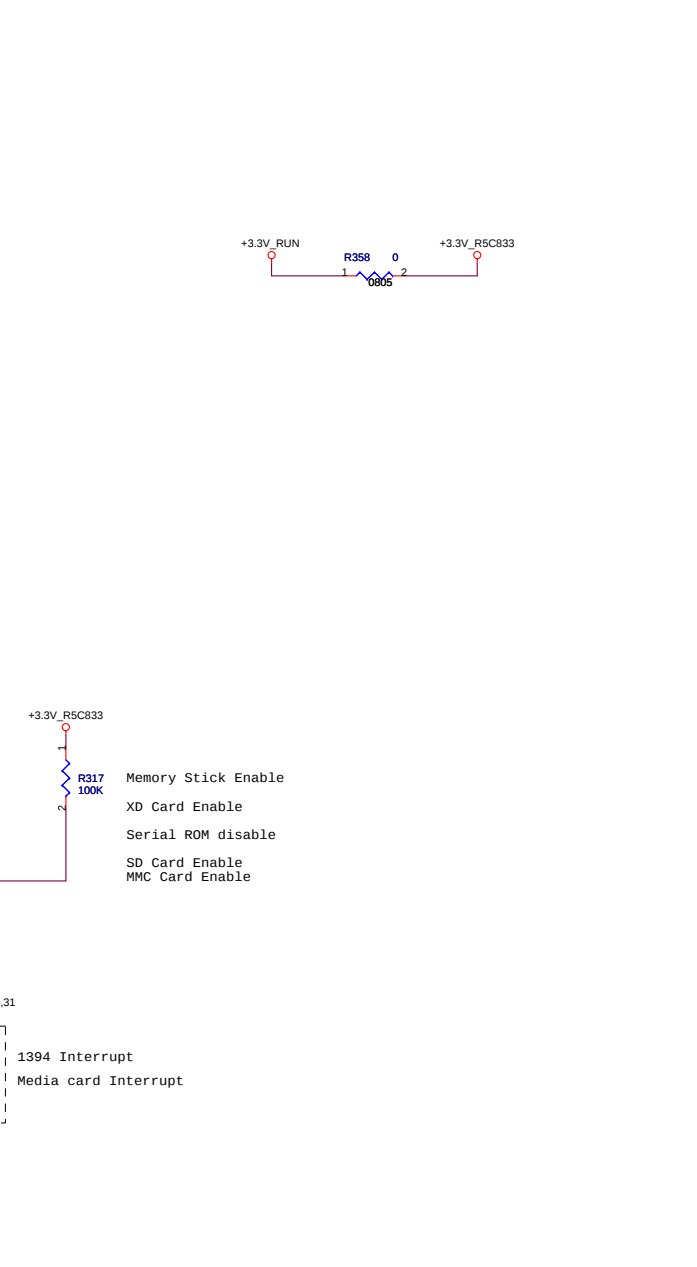
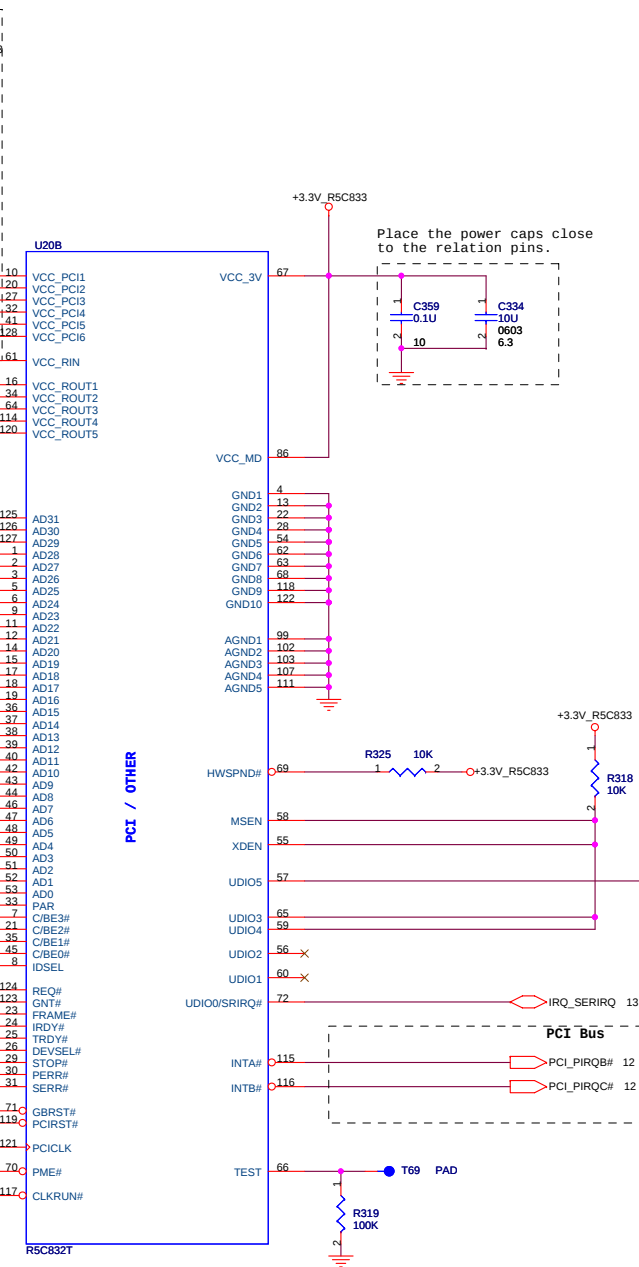
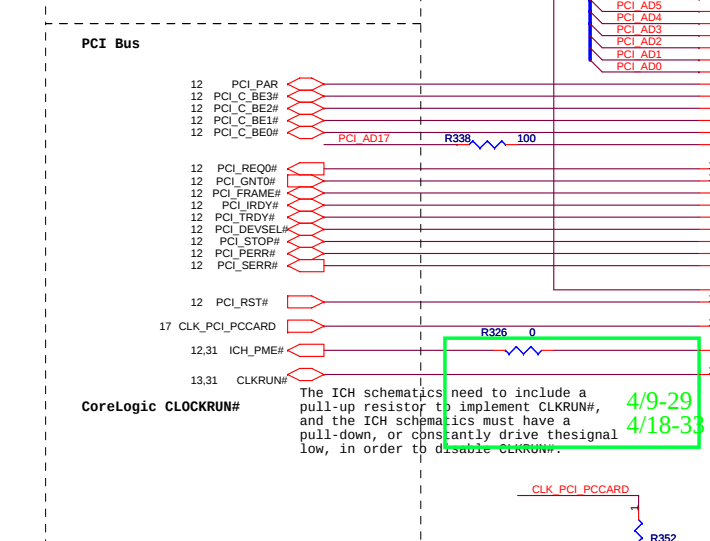
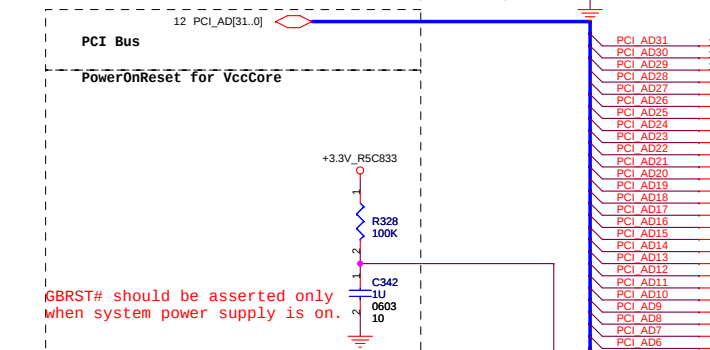
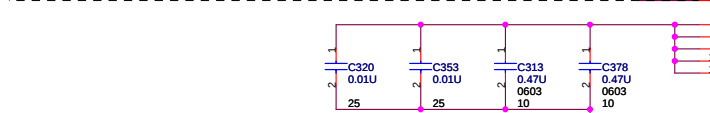
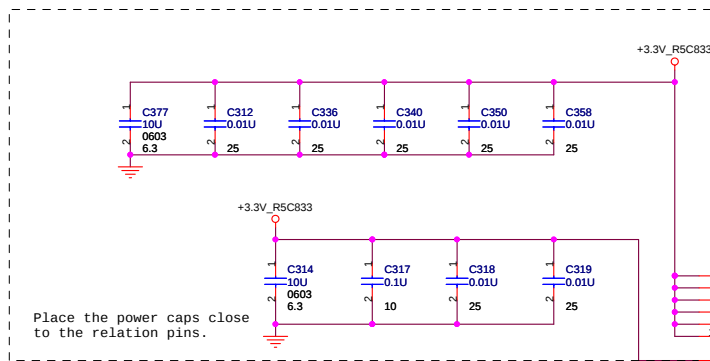
	1	2	3	4	5
A					
B					
C					
D					
	1	2	3	4	5

 QUANTA COMPUTER		
Title Battery Selector		
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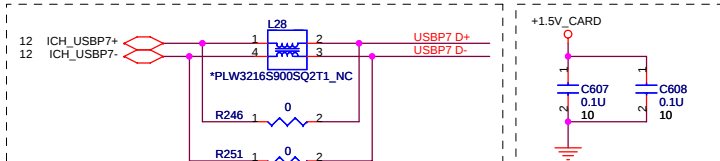
1	2	3	4	5	6	7	8
A							
B							
C							
D							
1	2	3	4	5	6	7	8

		QUANTA COMPUTER	
Title Docking Station CONN.			
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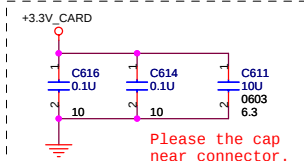




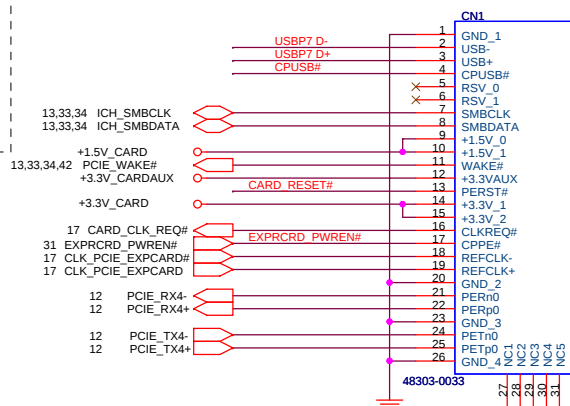
Express Card



Please the cap
near connector.

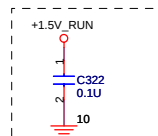
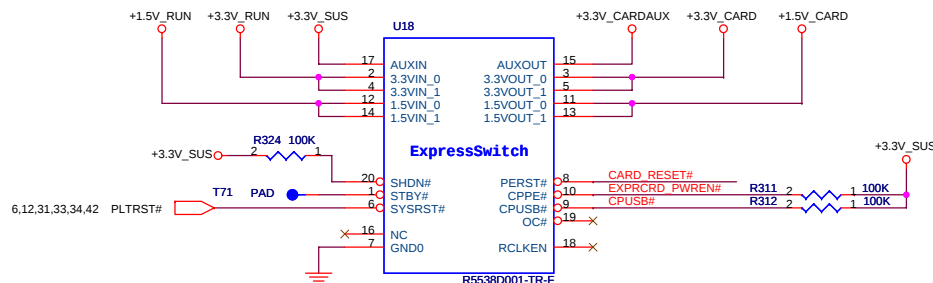


Please the cap
near connector.

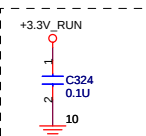


JAE PX10FS16PH-26P

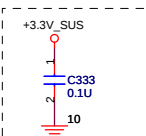
PCI-Express TX and RX direct to connector.



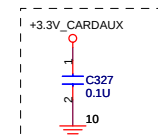
Please the cap near pin 12 & 14(1.5VIN).



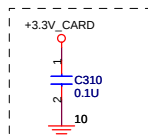
Please the cap near pin 2 & 4 (3.3VIN).



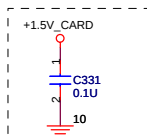
Please the cap
near pin 17
(AUXIN).



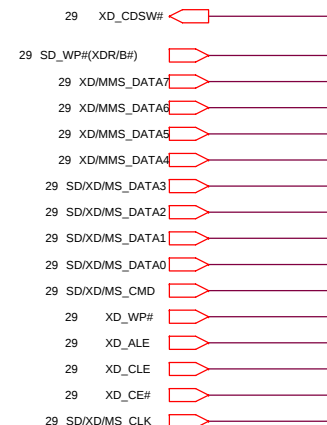
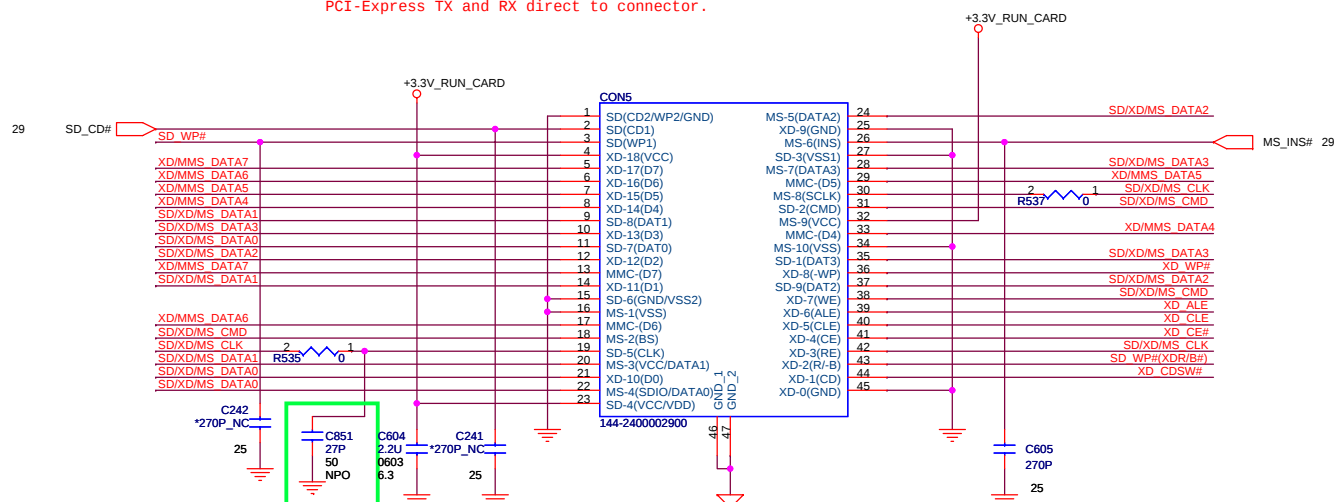
Please the cap
near pin 15
(AUXOUT).



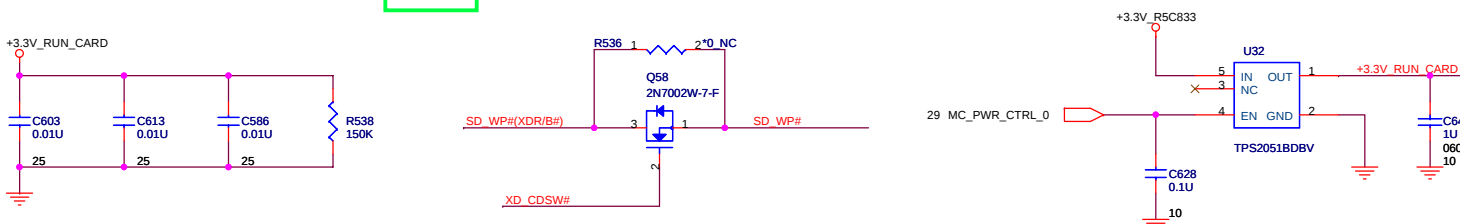
Please the cap
near pin 3 & 5
(3.3VOUT).



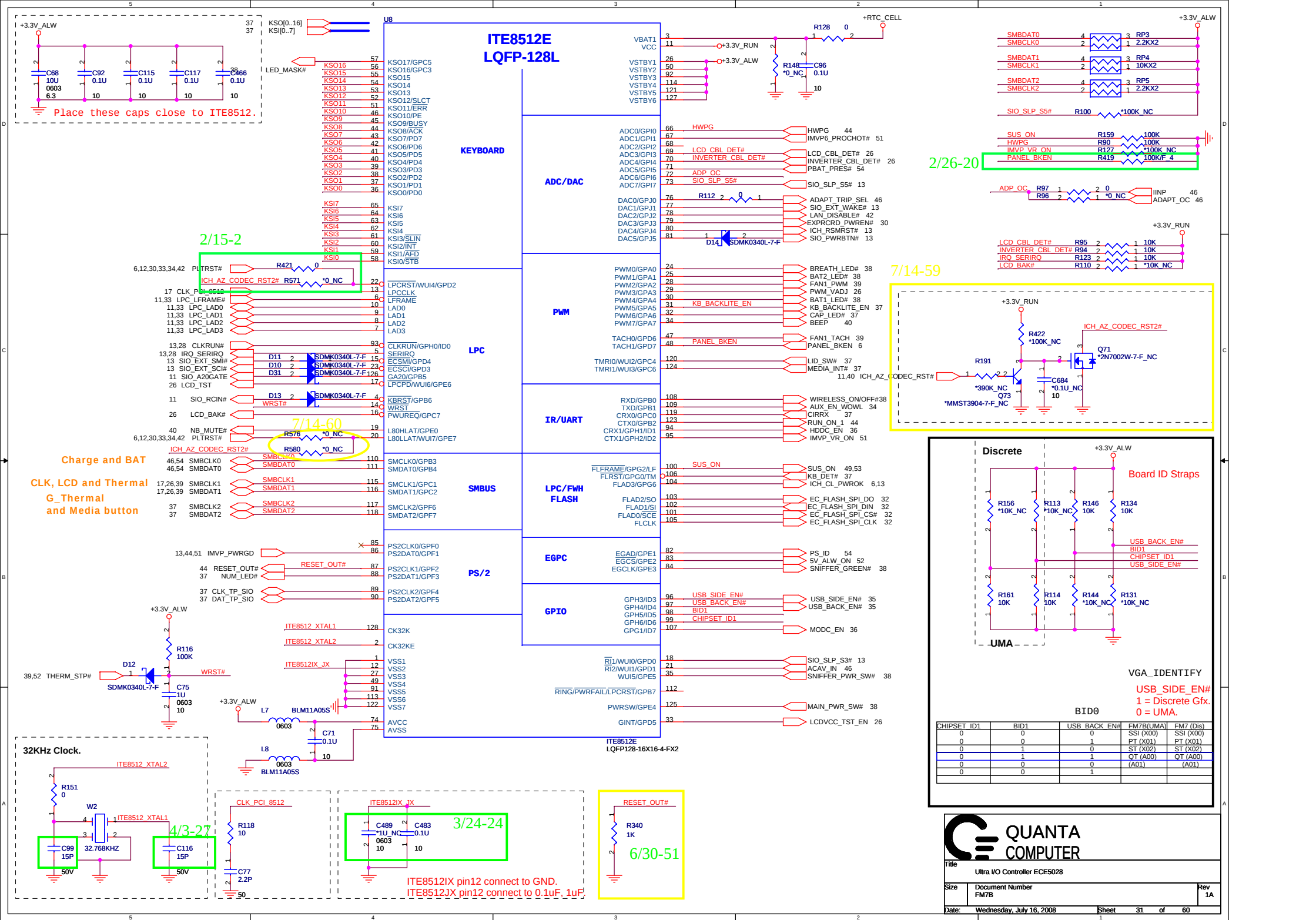
Please the cap
near pin 11 &
13(1.5VOUT).



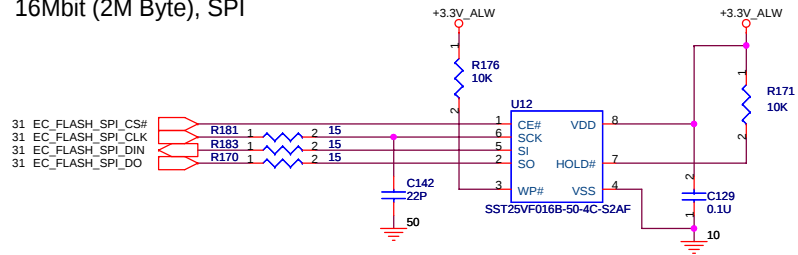
8 IN1 CARD READER



Title			
ExpressCard/SmartCard			
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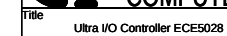
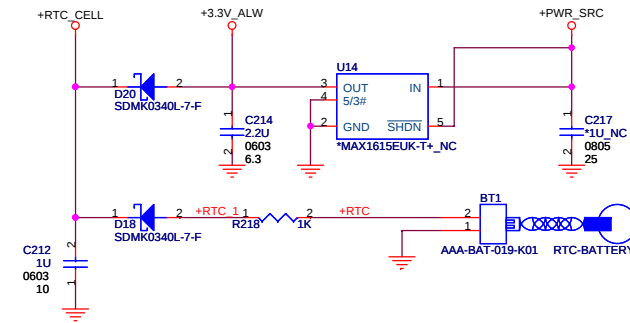
```
31 EC_FLASH_SPI_CS#
31 EC_FLASH_SPI_CLK
31 EC_FLASH_SPI_DIN
31 EC_FLASH_SPI_DO
```



2

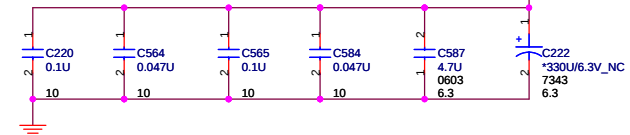
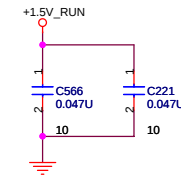
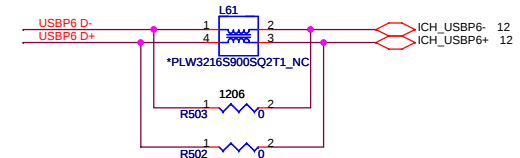
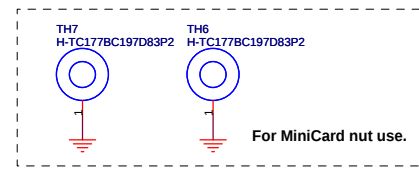
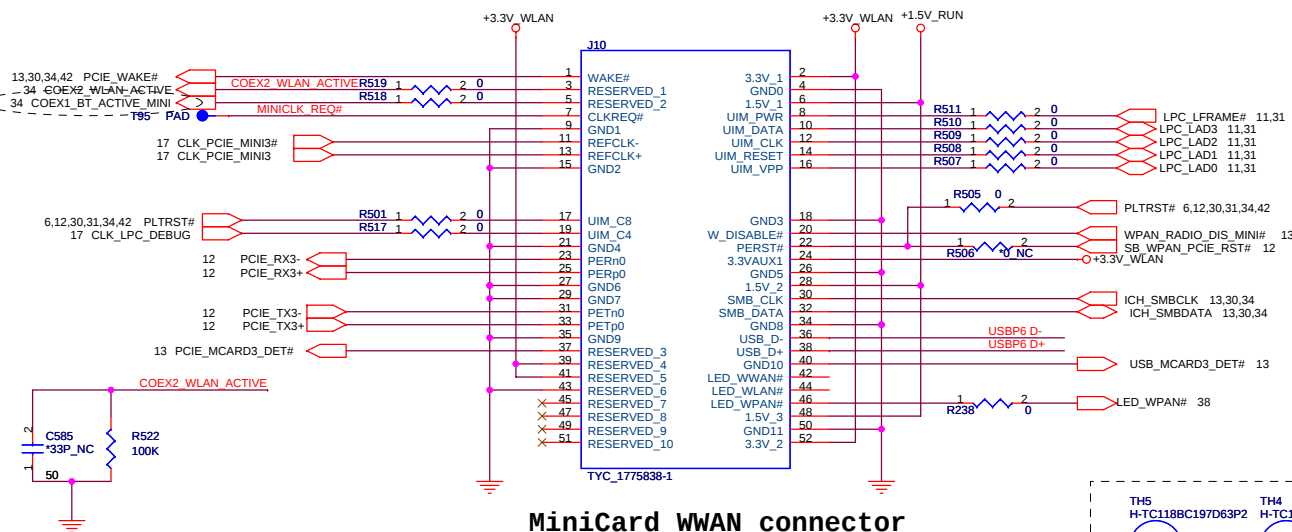
3

U14

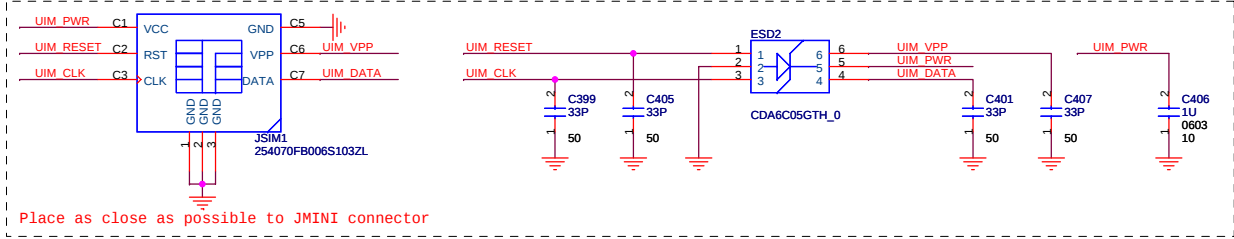
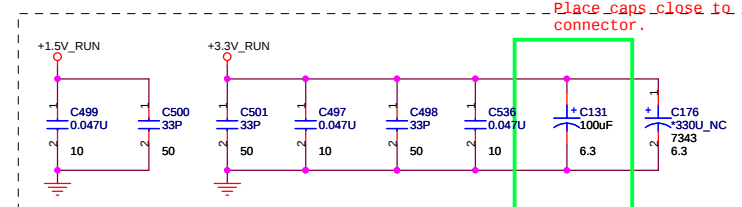
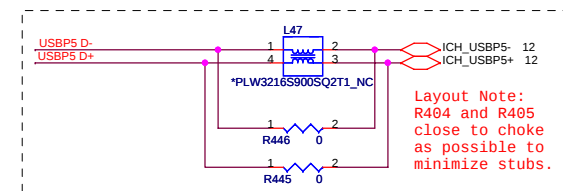
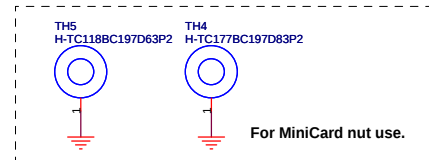
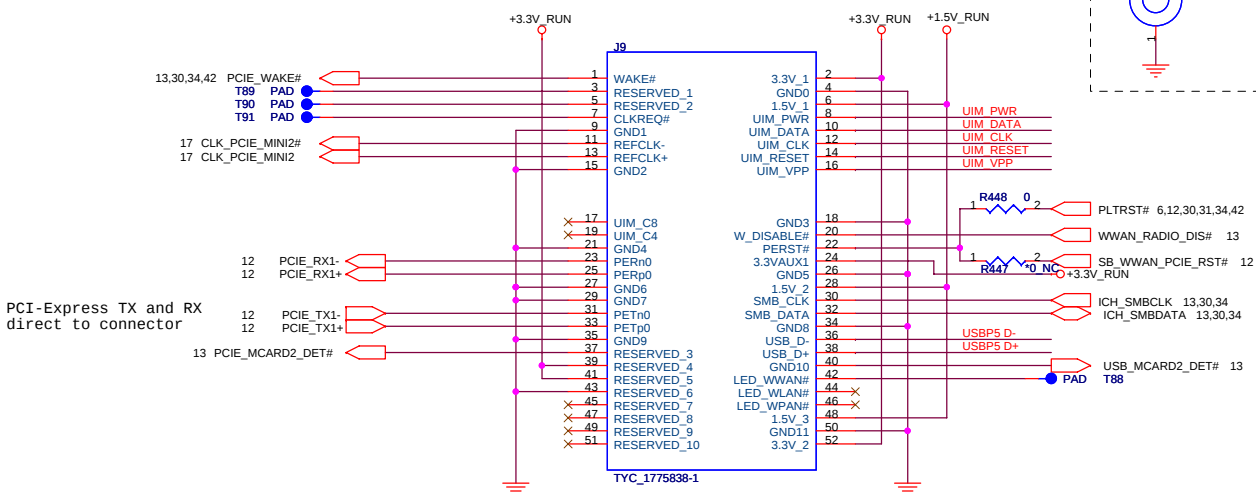
Rev
1A

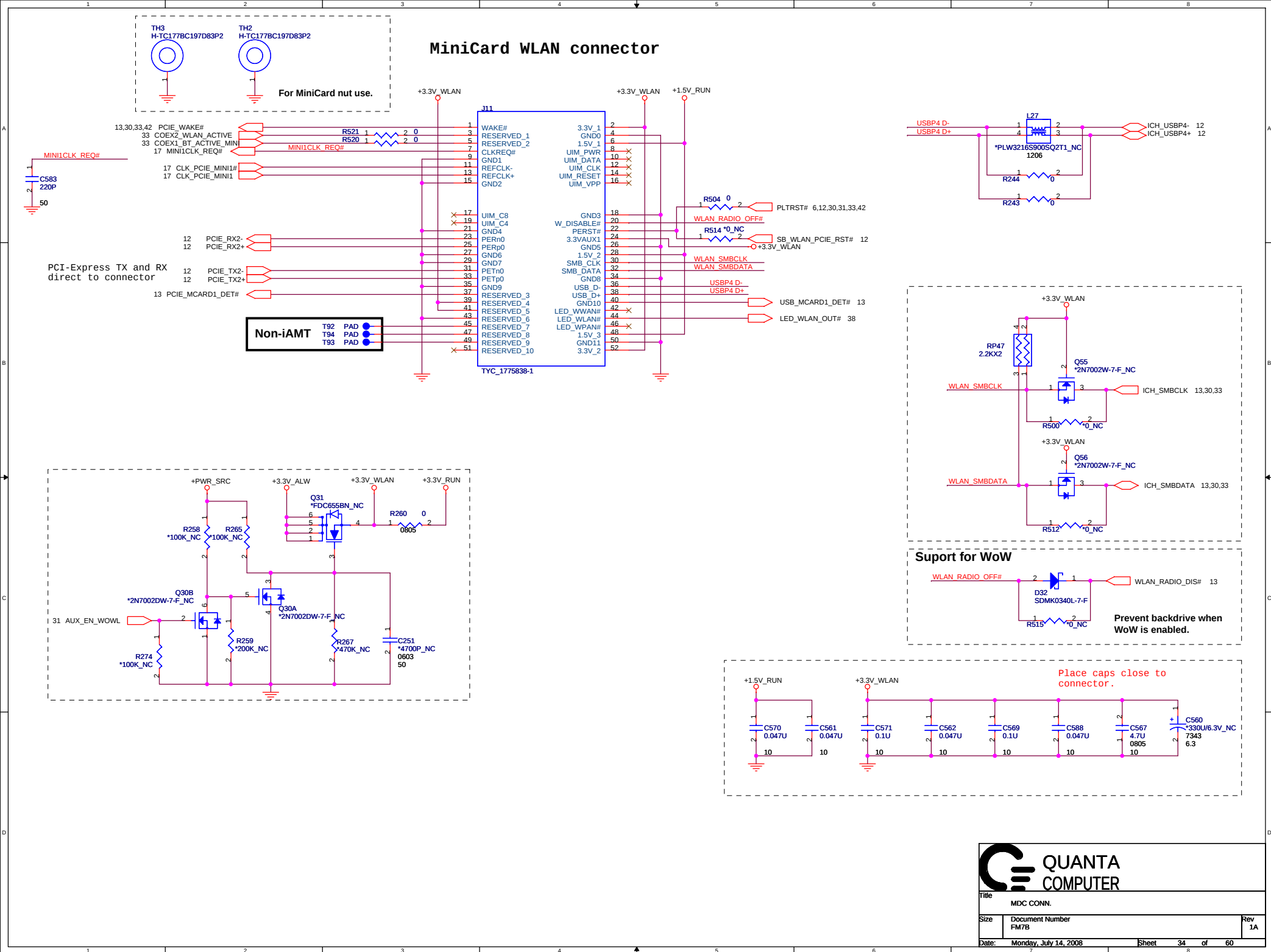
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MiniCard Robson, BT. UWB connector



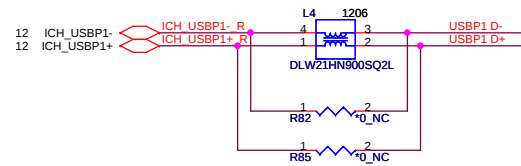
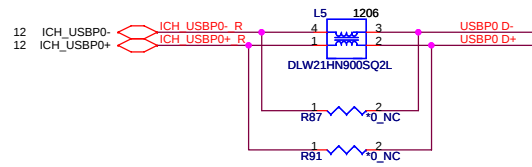
MiniCard WWAN connector





External USB PORT hookup reference. Your design may need more or less external ports and may be mapped differently

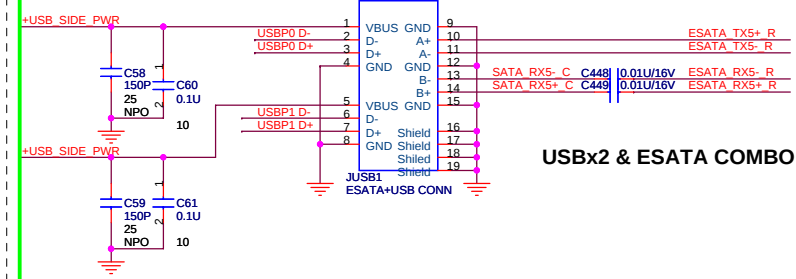
2/22-14
4/17-31



Platforms should put in PADS for the USB chokes if they have the room. Chokes should be NOPOP.

Side External USBX2

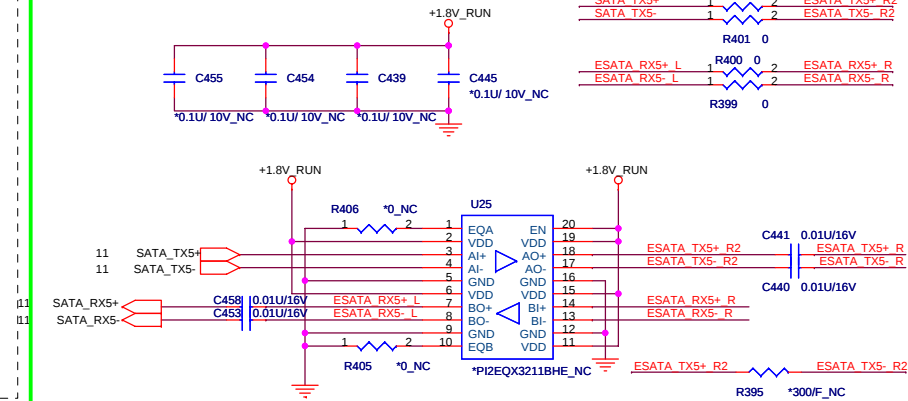
2/15-1



USBx2 & ESATA COMBO

2/20-11
5/29-41

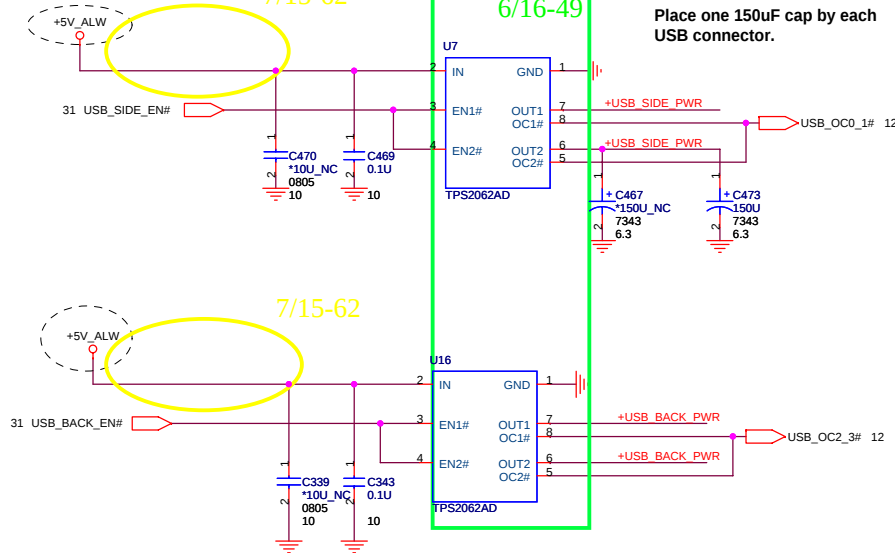
E-SATA Re-driver



7/15-62

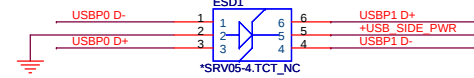
6/16-49

Place one 150uF cap by each USB connector.

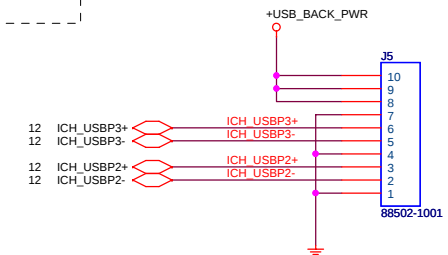


Each channel is 1A

Place ESD diodes as close as USB connector.

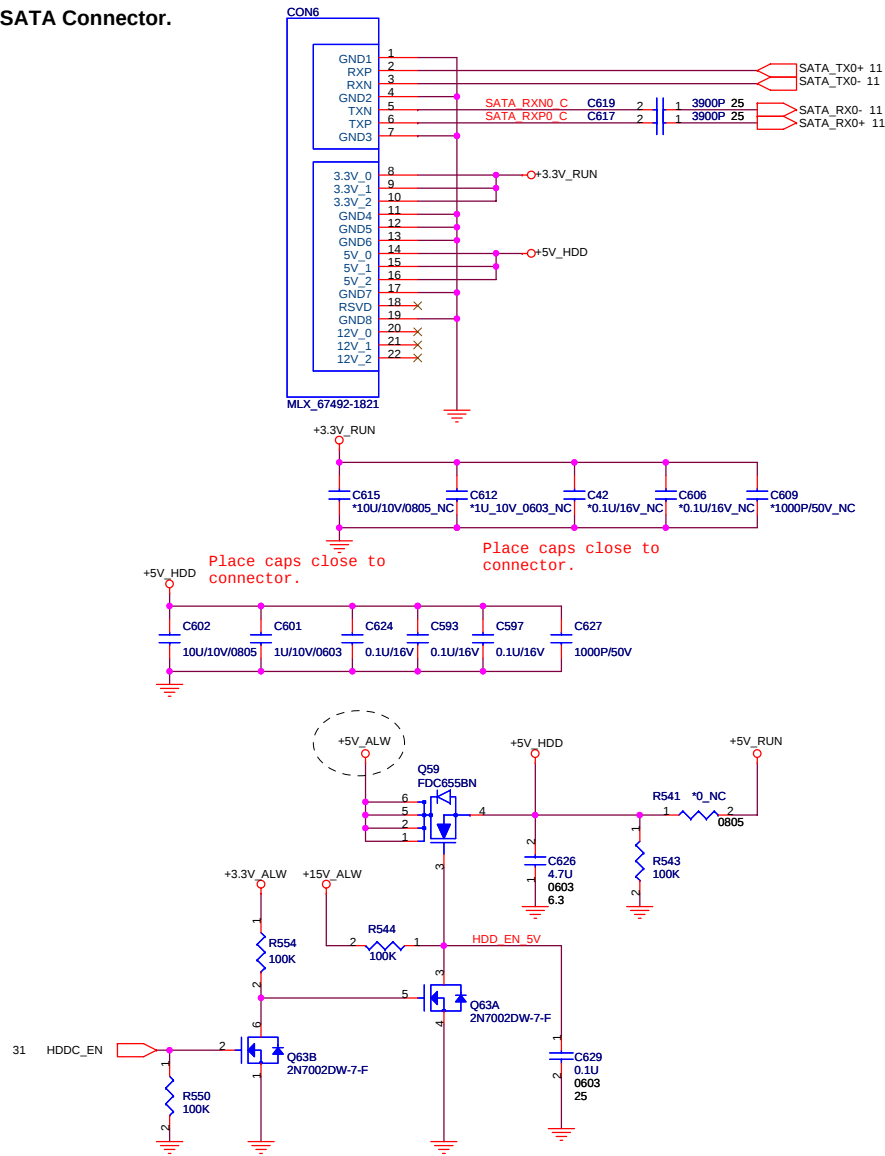


MB side

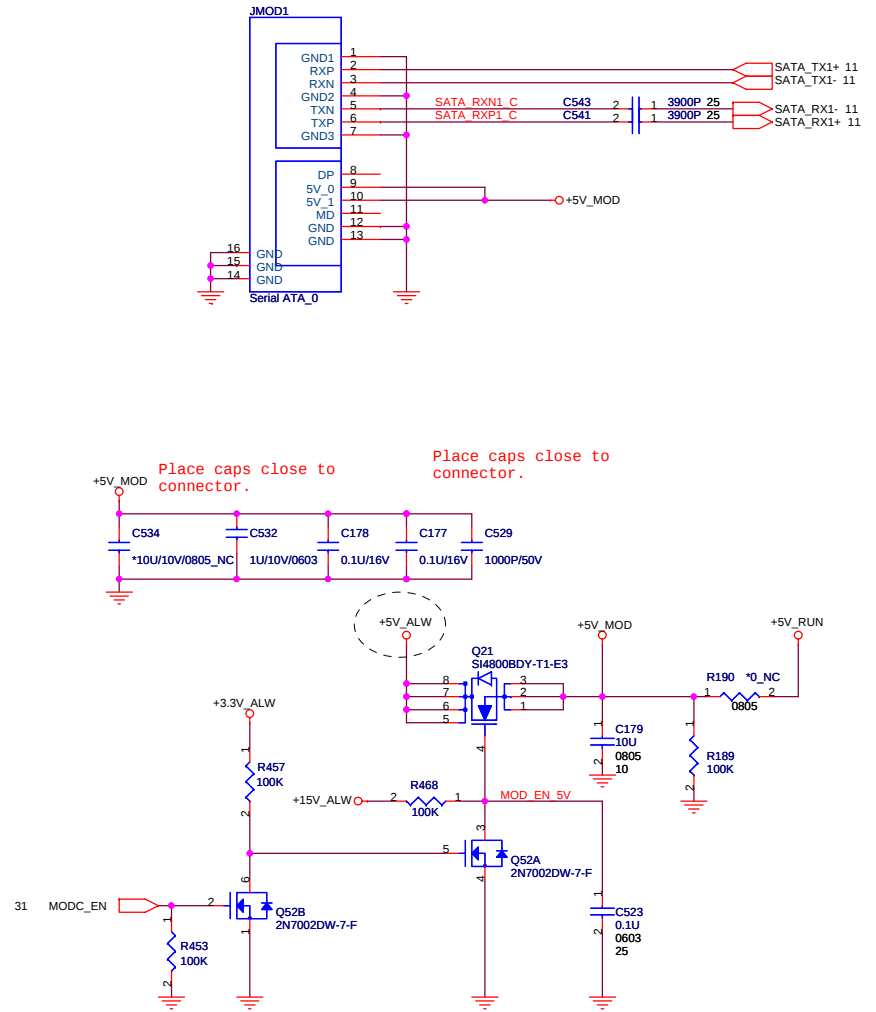


Title		
SERIAL PORT & USB		
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SATA Connector.

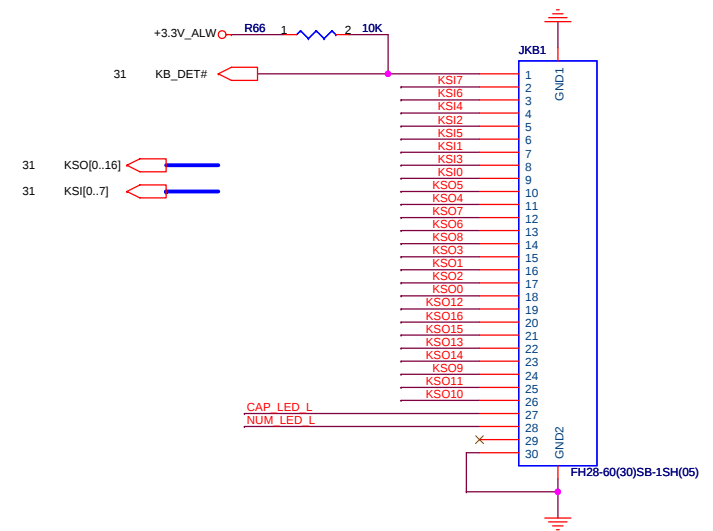


ODD Connector

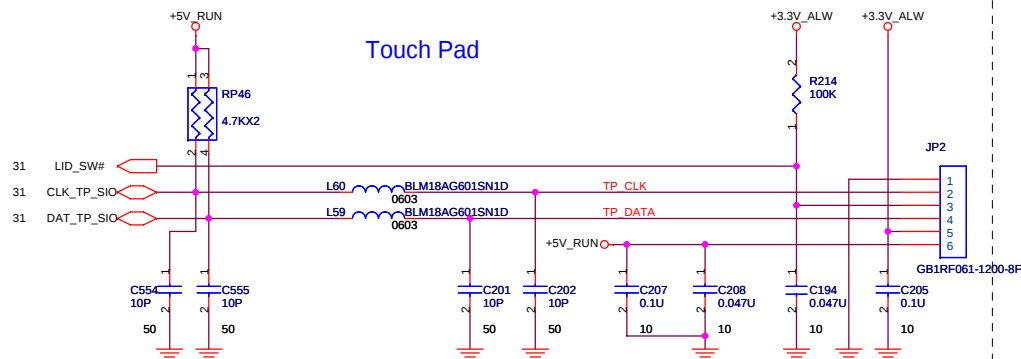


Title			SATA (HDD&CD_ROM)
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KEYBOARD CONNECTOR

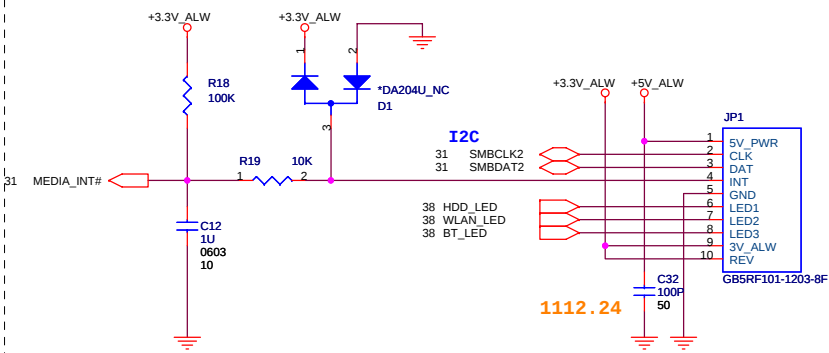


Touch Pad

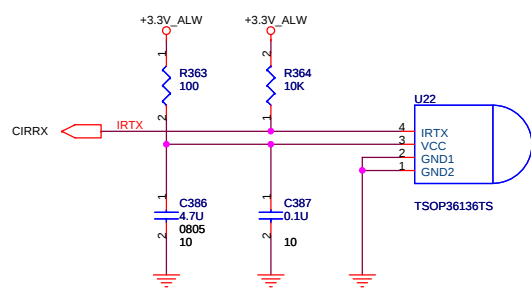


Media Button

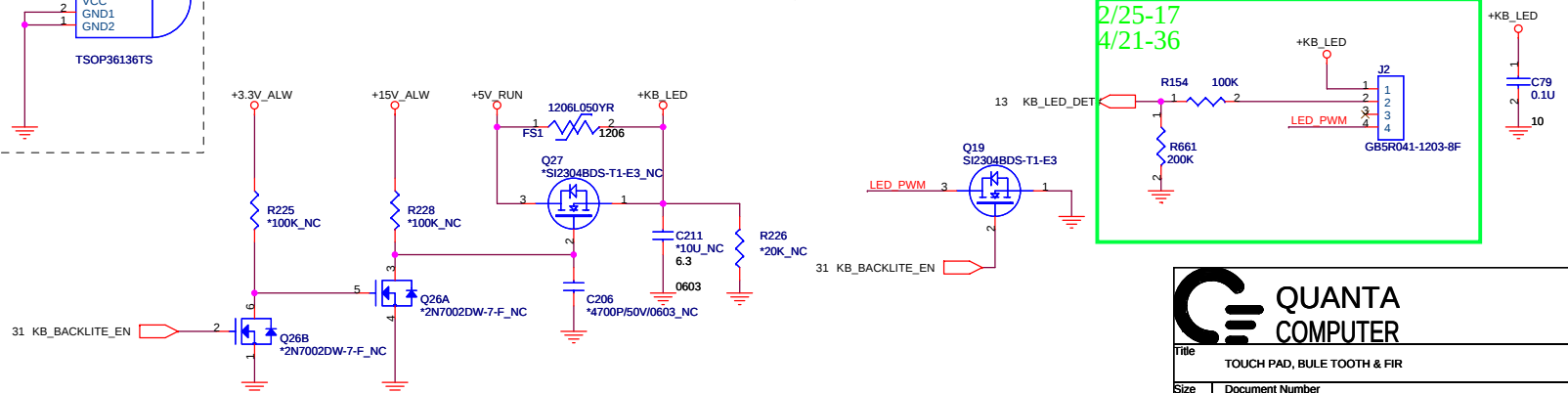
Change to P/N:DFFC10FR138
F/T:88501-1001-10P-L(0816)



Consumer IR



Key board Illumination



QUANTA
COMPUTER

Title TOUCH PAD, BULE TOOTH & FIR

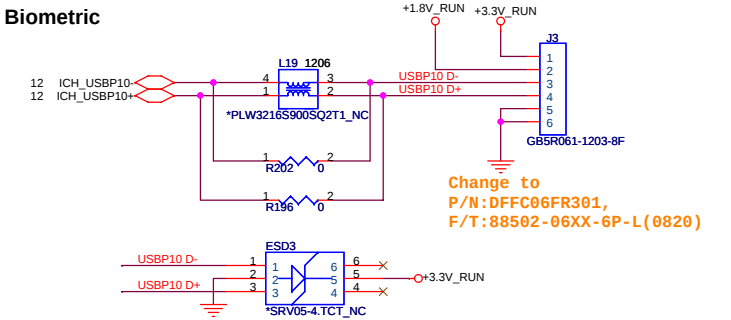
Size Document Number FM7B

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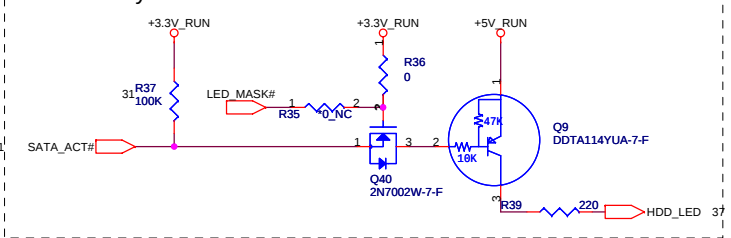
Date: Monday, June 30, 2008

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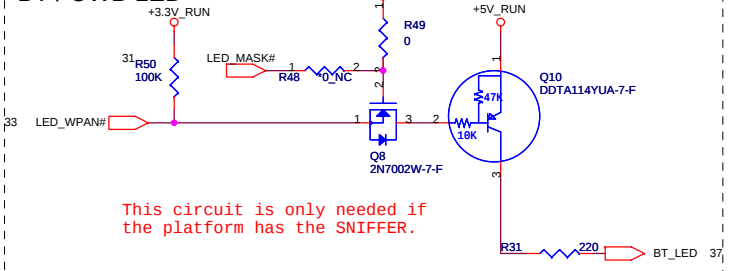
Biometric



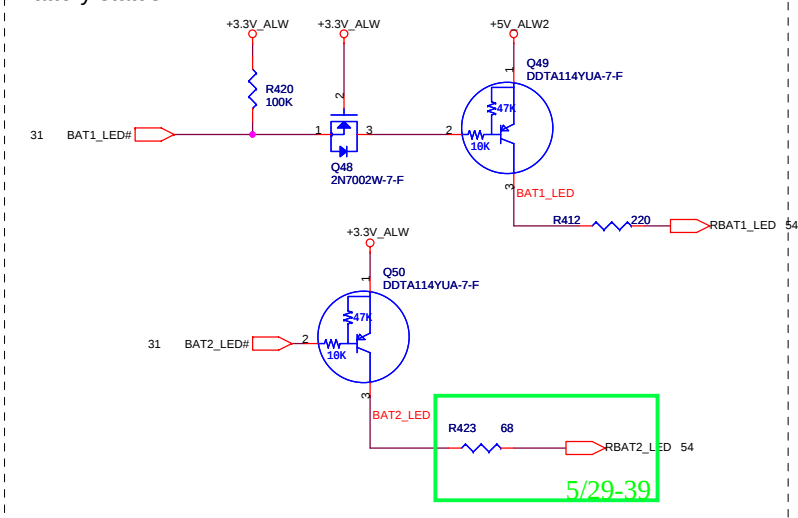
HDD activity LED.



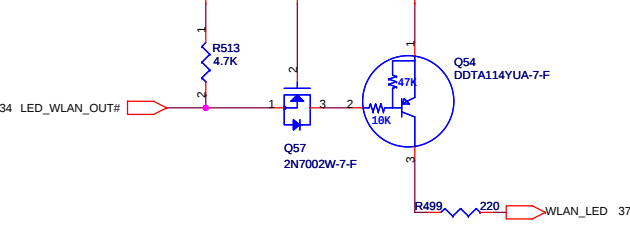
BT / UWB LED



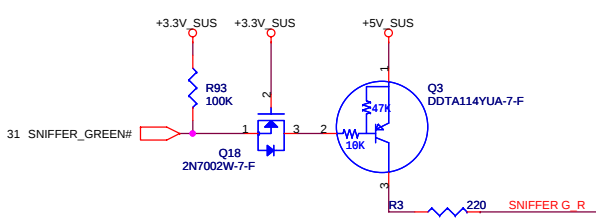
Battery status.



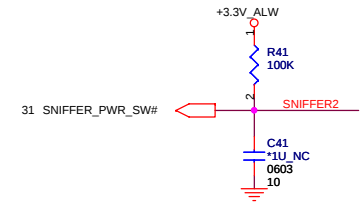
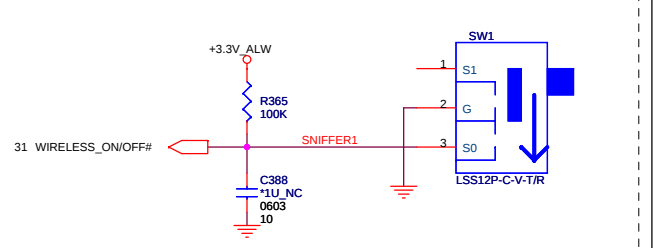
WLAN



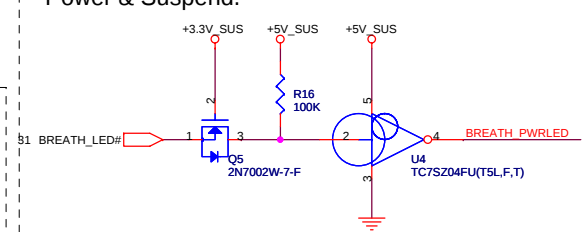
Sniffer Bottom



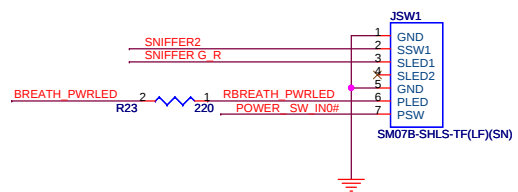
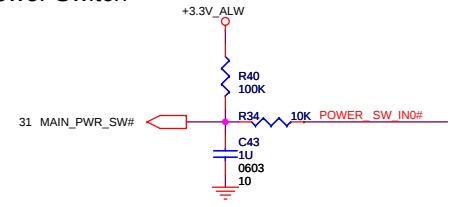
Sniffer Switch ON/OFF Sniffer Switch



Power & Suspend.

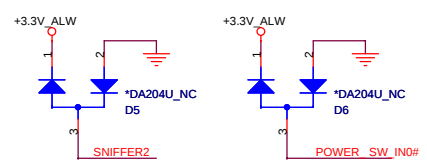


Power Switch



SNIFFER2	C435	100P	50
SNIFFER G_R	C434	100P	50
BREATH_PWRLED	C433	100P	50
POWER_SW_IN0#	C432	100P	50

SNIFFER Y_R: WLAN on/off
SNIFFER G_R: AP detection



**QUANTA
COMPUTER**

Title

SWITCH, KEYBOARD & LED

Size

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FM7B

Date

Monday, June 30, 2008

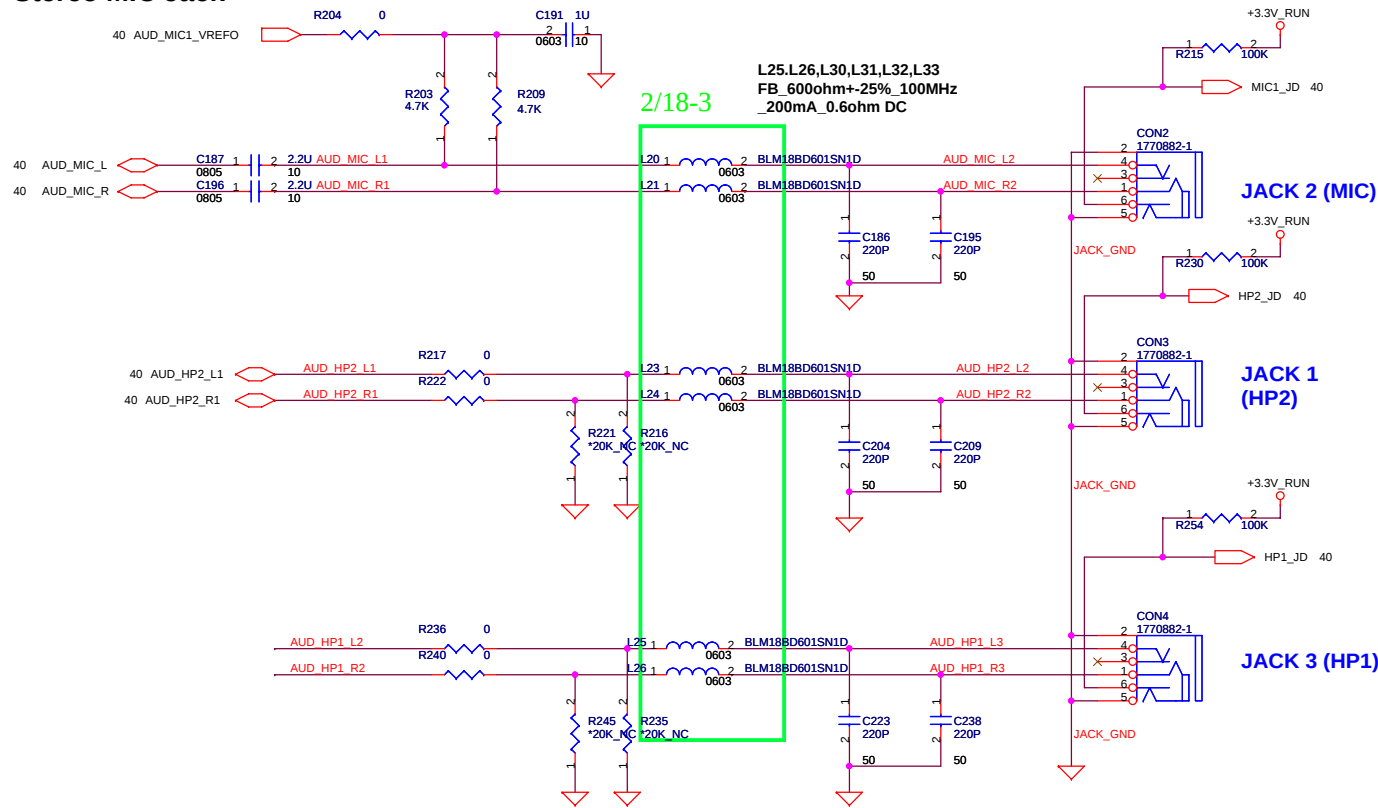
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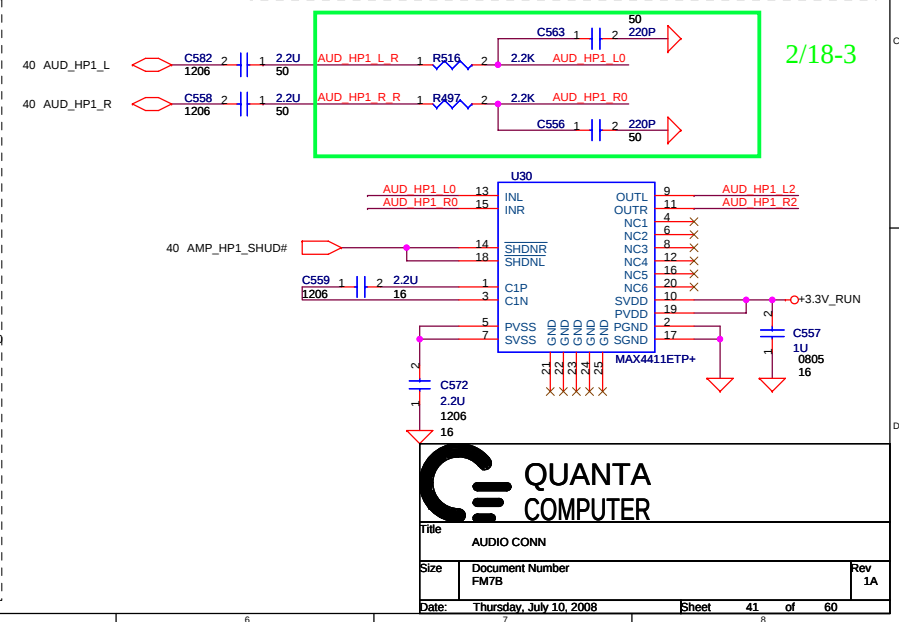
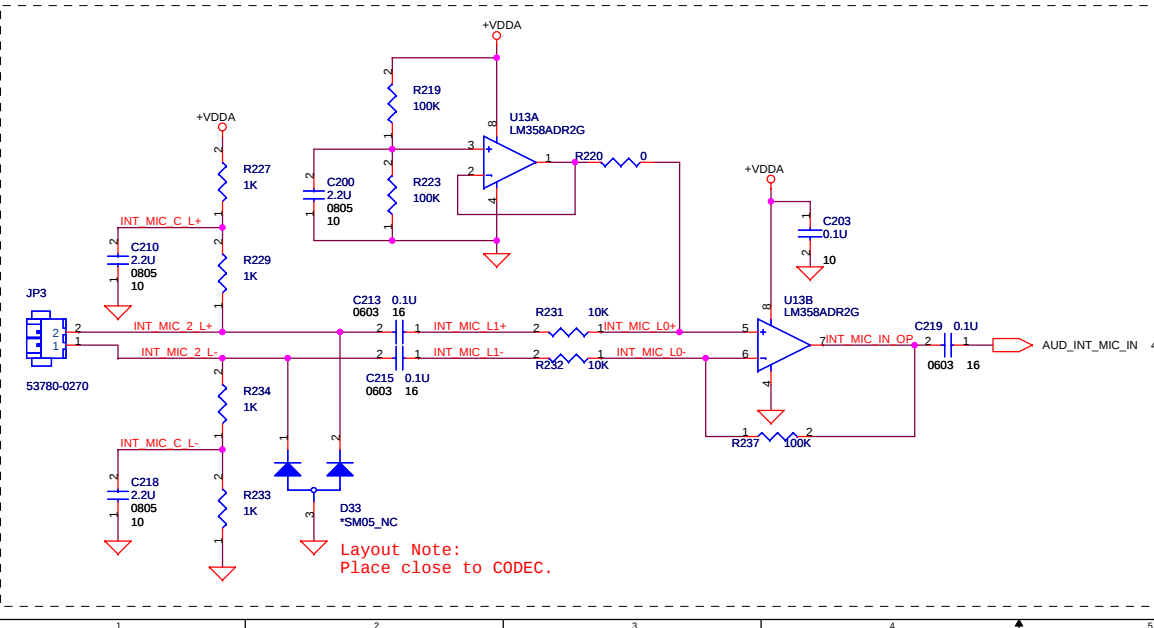
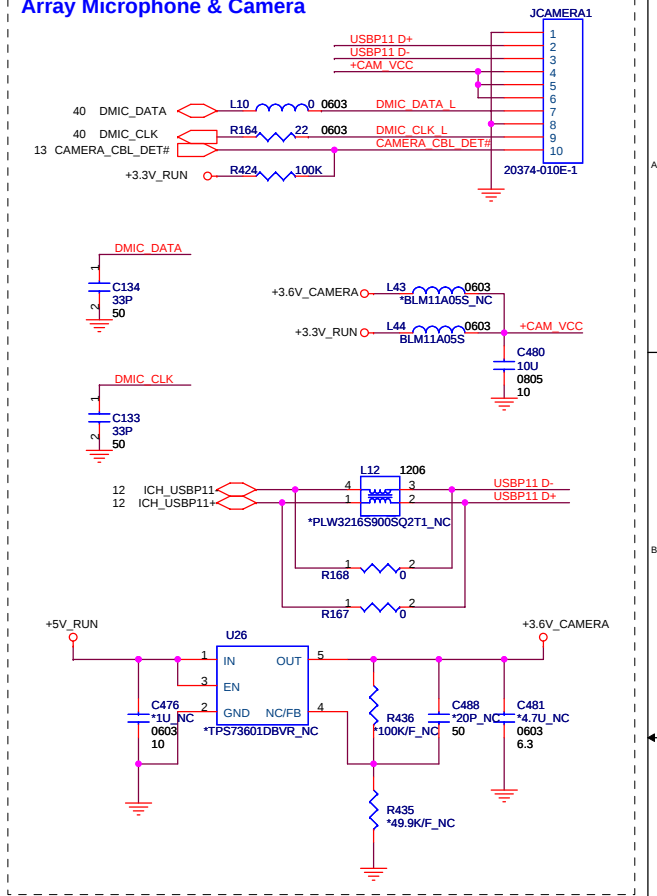
Rev

1A

Headphone Jack Stereo MIC Jack

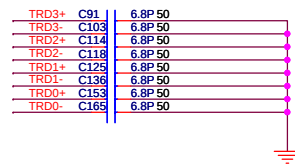
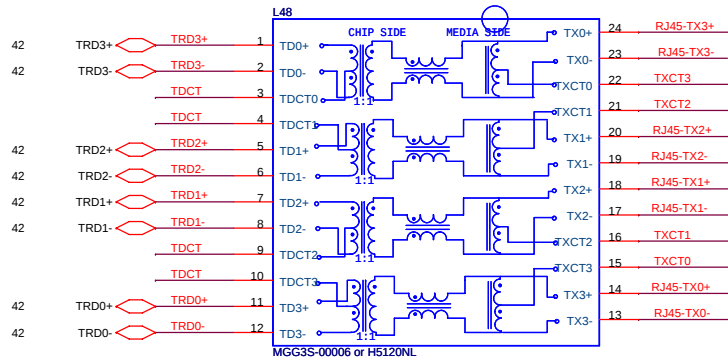


Array Microphone & Camera

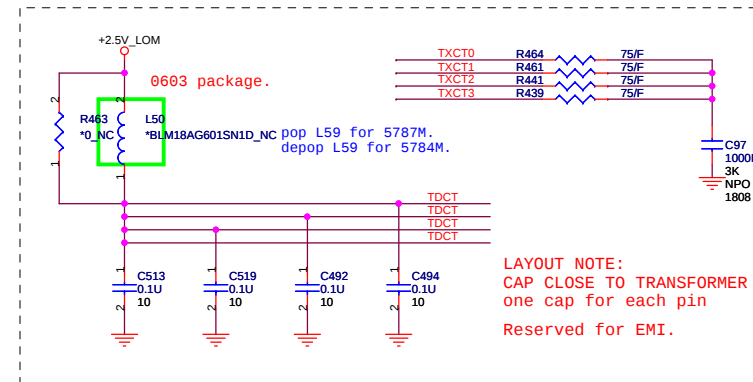
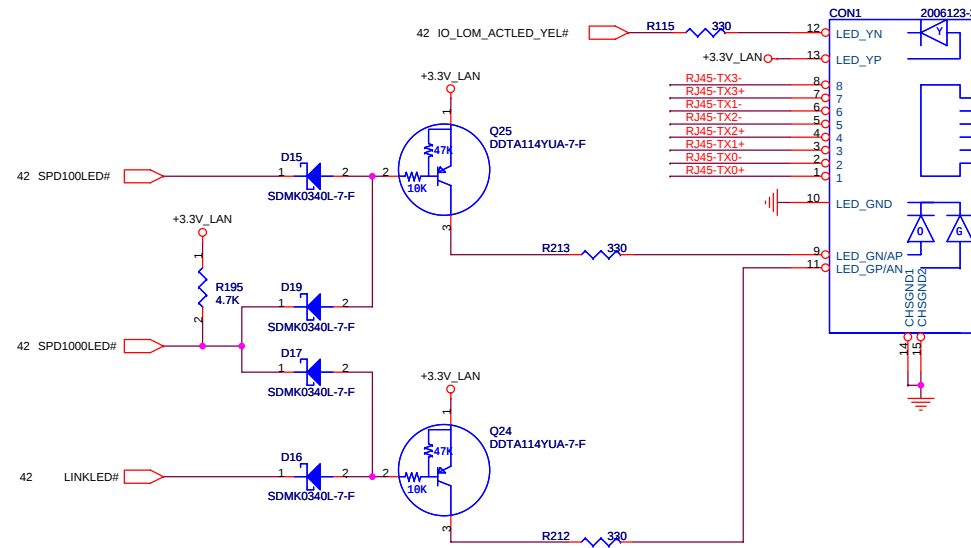


Title			
AUDIO CONN			
Size	Document Number	Rev	
	FM7B	1A	
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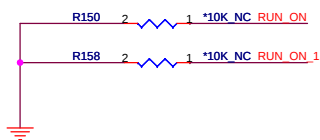
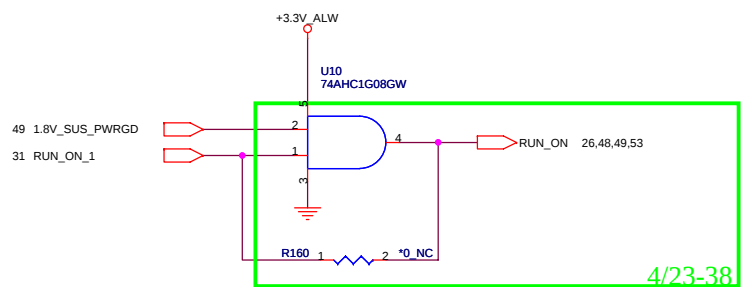
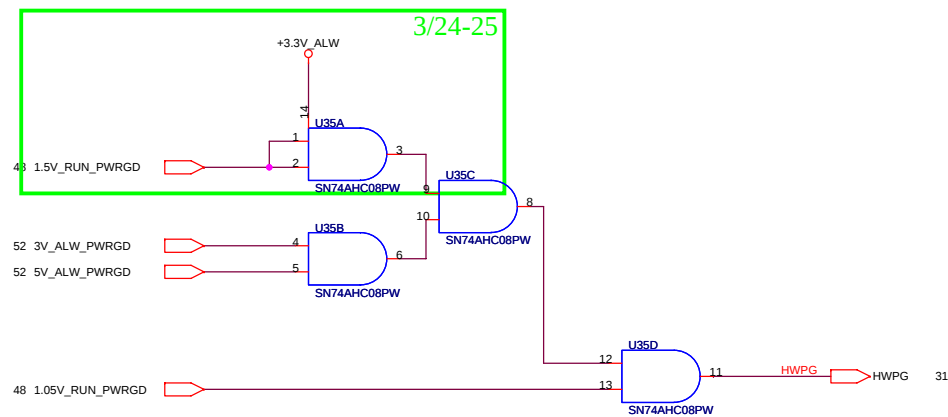
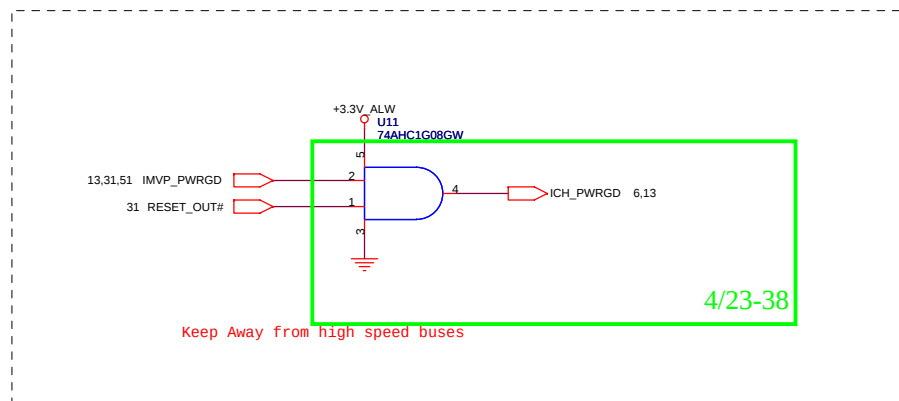
TRANSFORM TRANSFORM



RJ-45 Connector



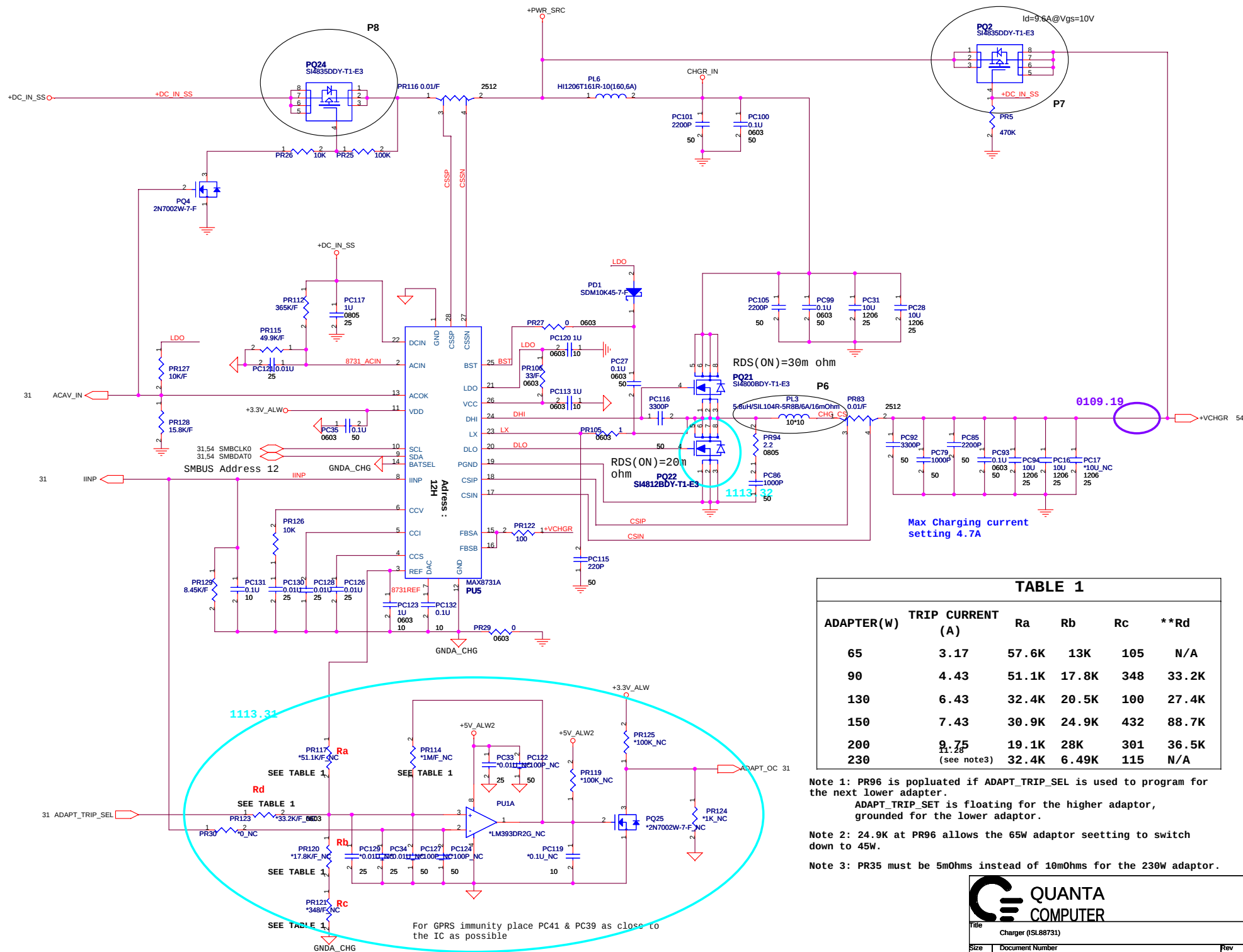
LAYOUT NOTE:
CAP CLOSE TO TRANSFORMER
one cap for each pin
Reserved for EMI.



1	2	3	4	5	6	7	8
A							
B							
C							
D							

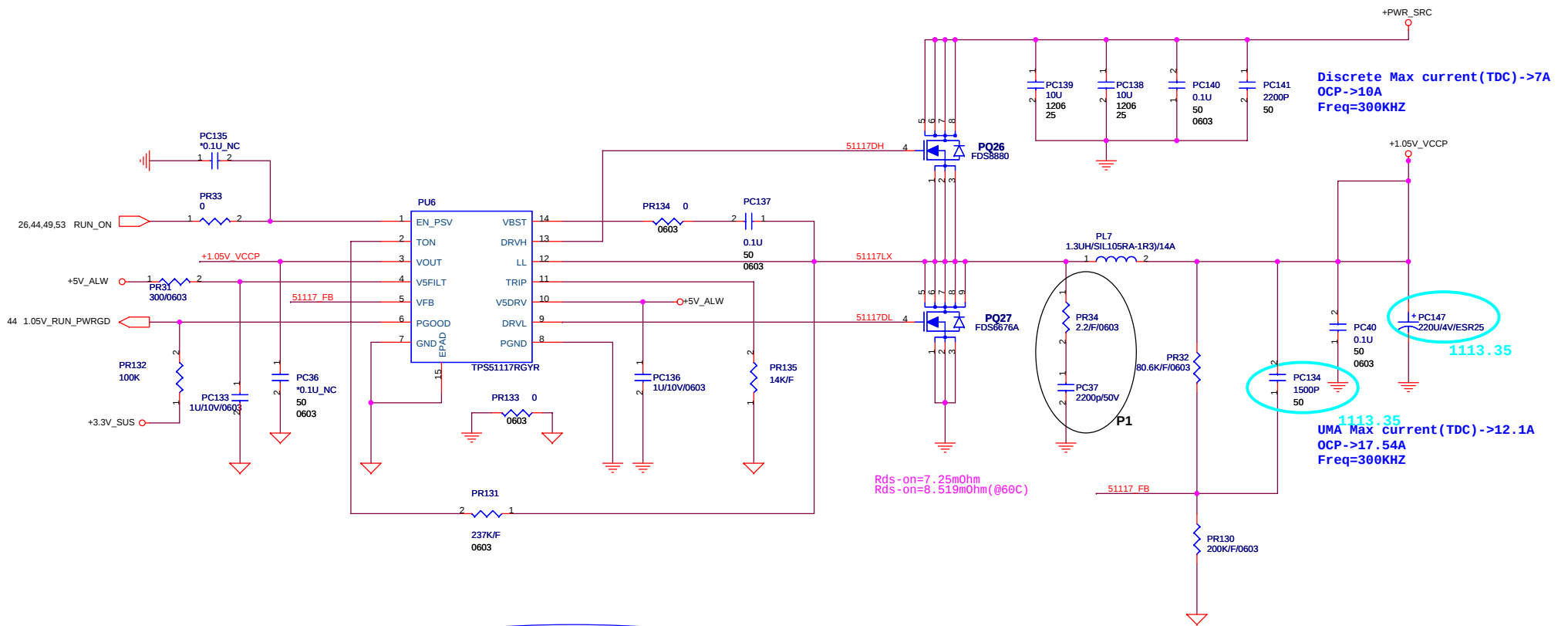


Title		Docking Q-SWITCH	
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	FM6B	1A	
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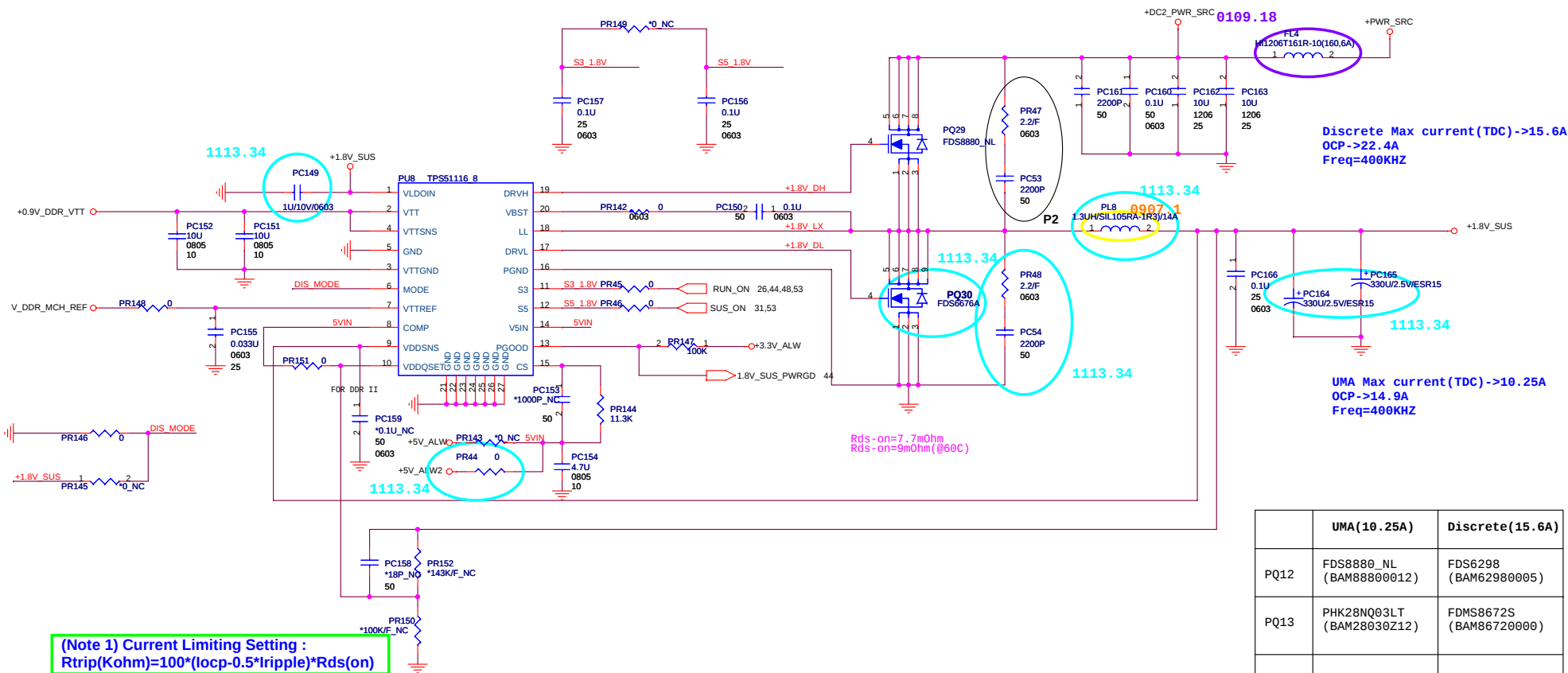


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Title		
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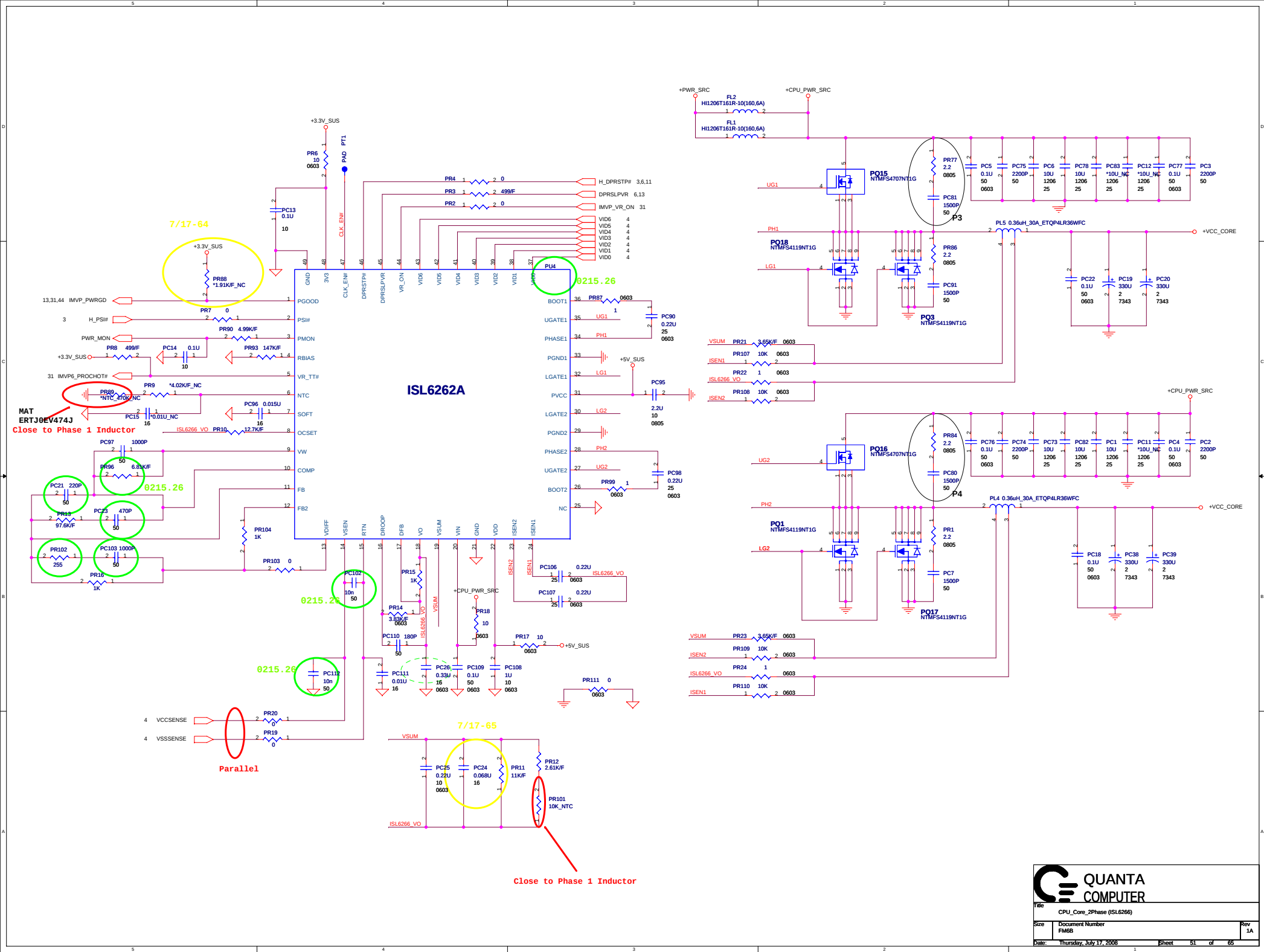


	UMA(12.1A)	Discrete(7A)
PQ22	FDS8880_NL (BAM88800012)	FDS8878 (BAM88780020)
PQ25	FDS6676AS_NL (BAM66760026)	FDS6680AS (BAM66800061)
PL25	SIL105RA-1R5-R (CV-15F0MZ08)	SIL104R-1R5PF (DC-15A00010)
PR452		



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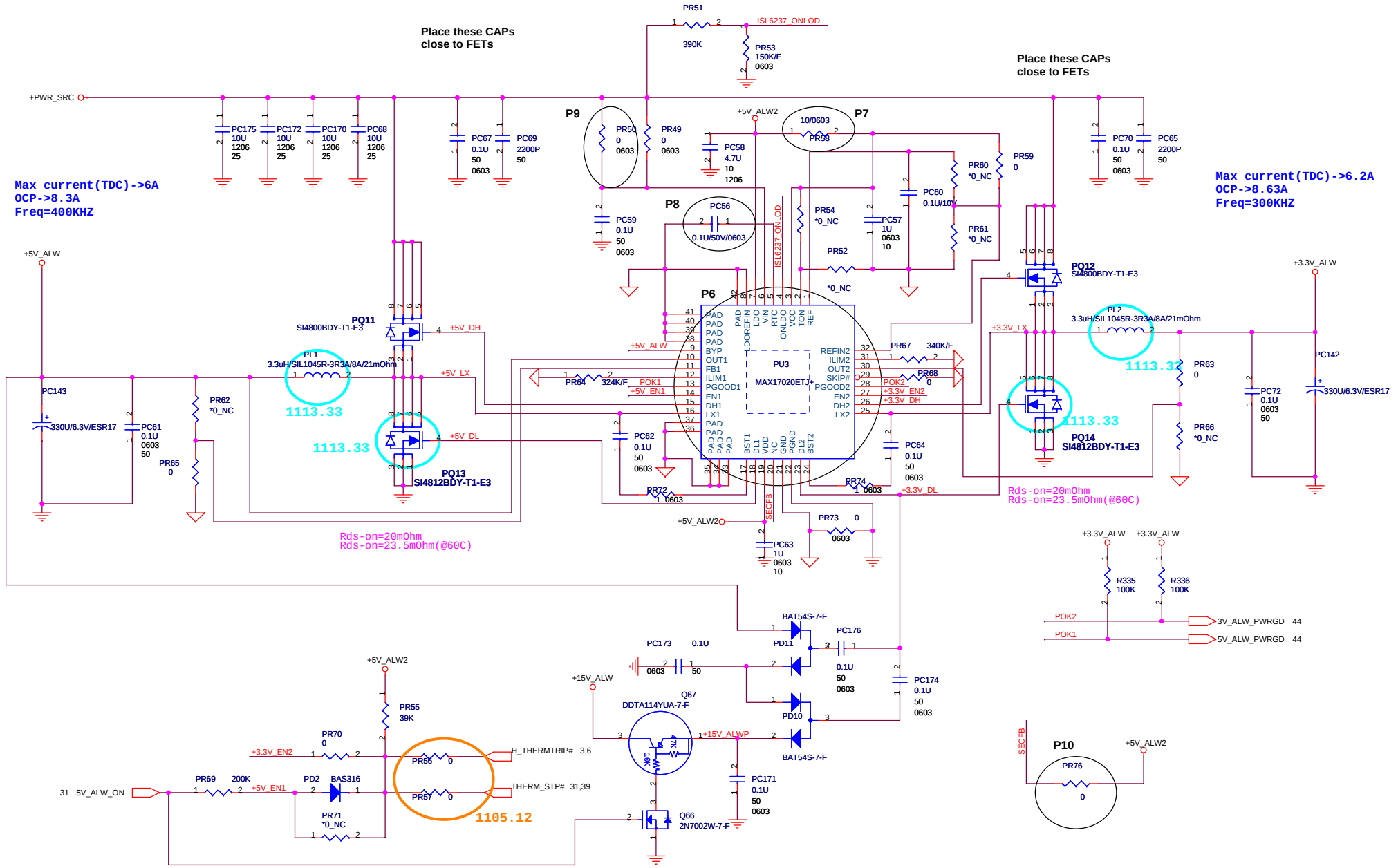
DC/DC +3V_ALW/+5V_SUS/+5V_ALW /+15V_ALW

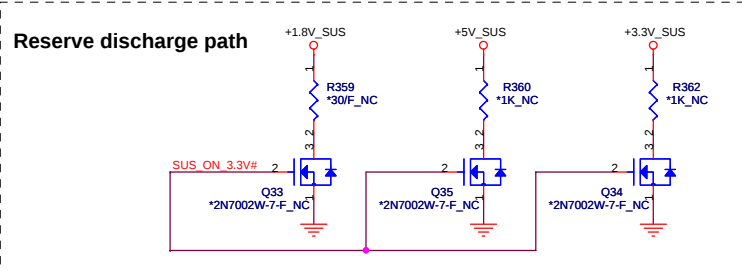
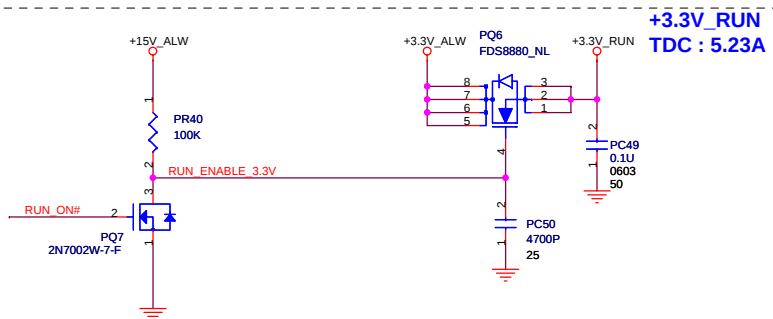
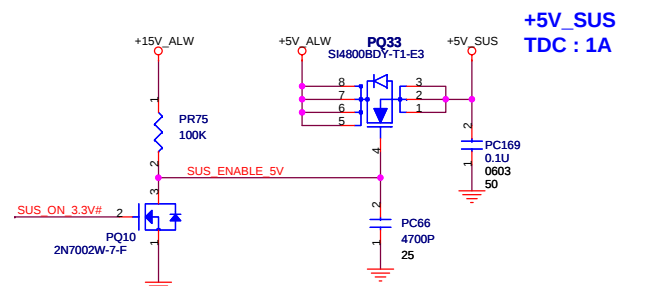
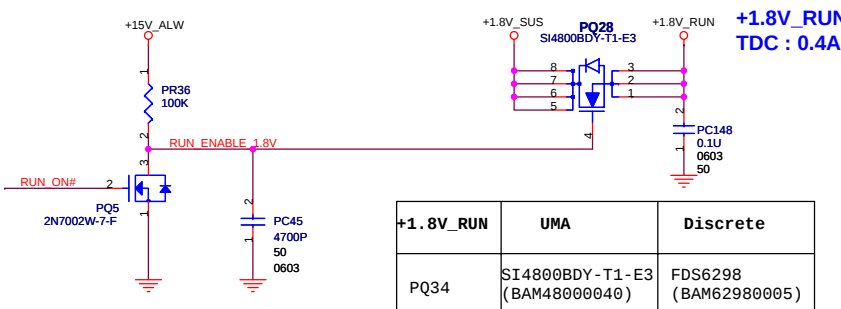
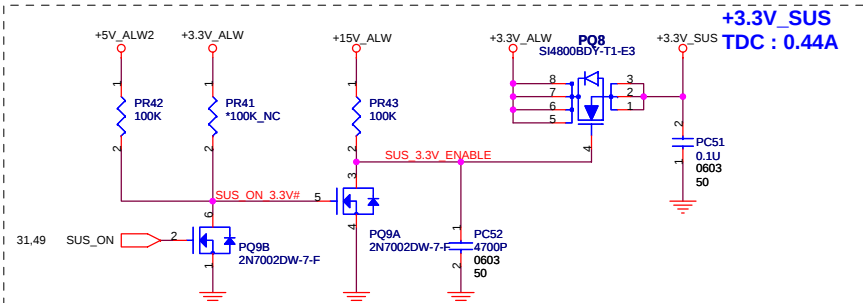
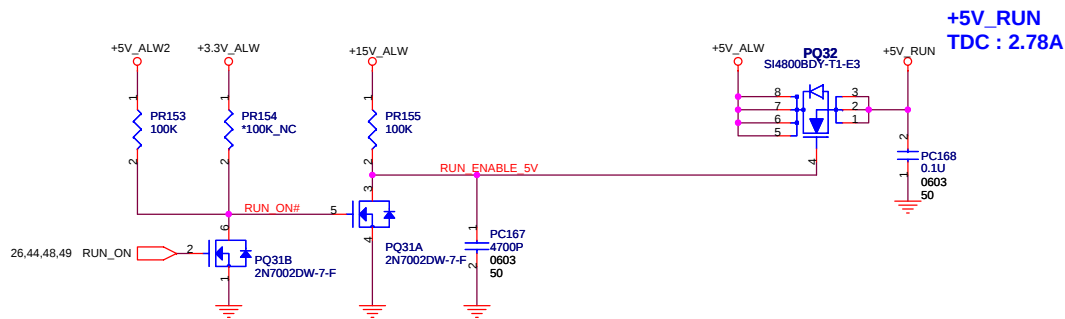
Place these CAPS
close to FETs

Place these CAPS
close to FETs

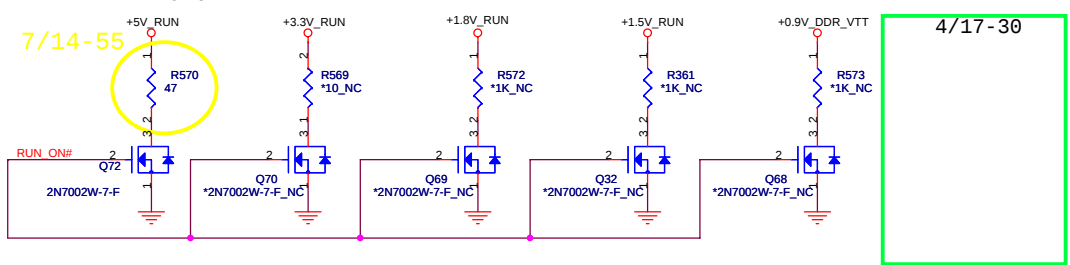
Max current (TDC) ->6A
OCP->8.3A
Freq=400KHZ

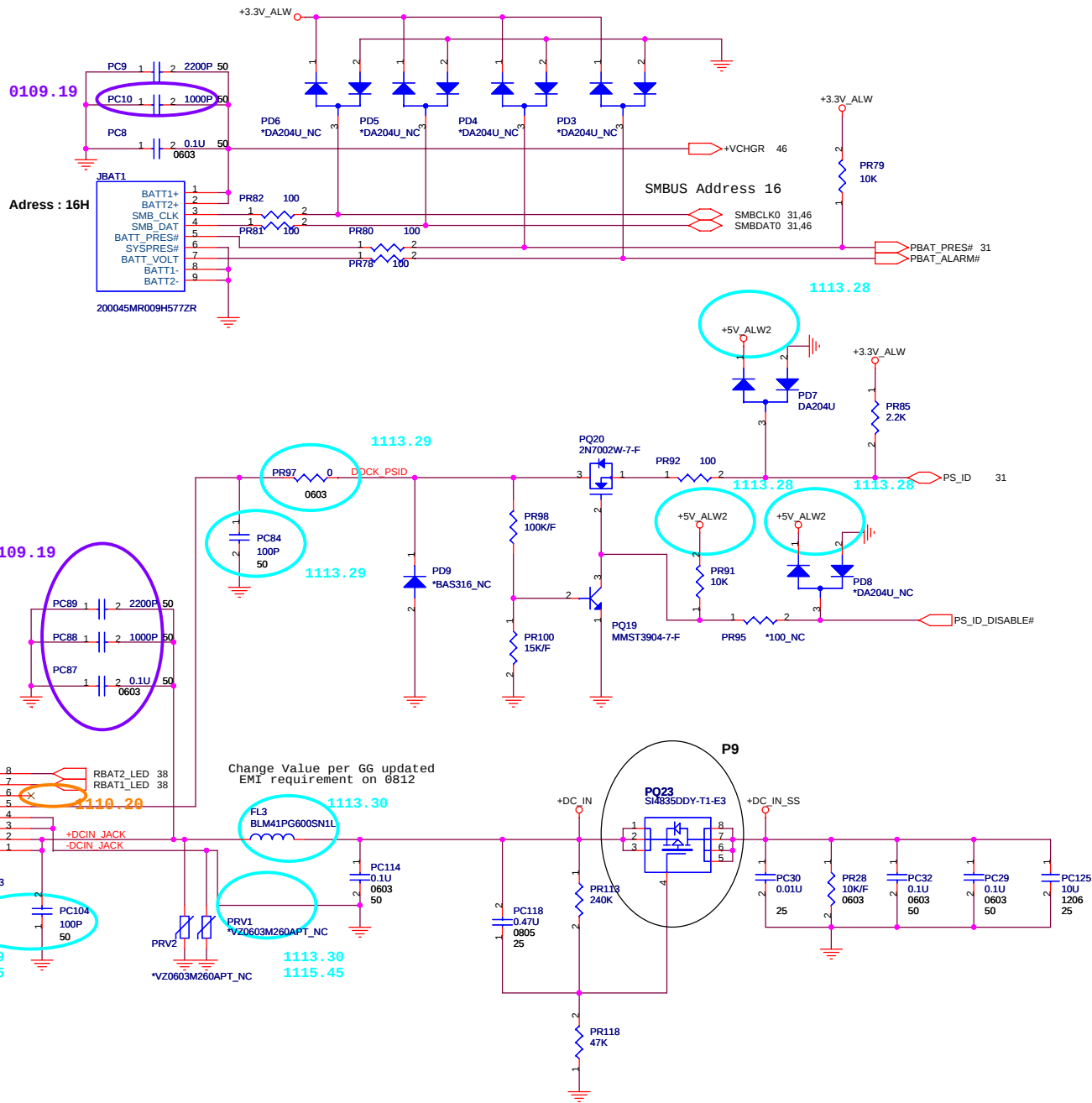
Max current (TDC) ->6.2A
OCP->8.63A
Freq=300KHZ





Reserve discharge path





Title
DCIN, BATT CONNECTOR

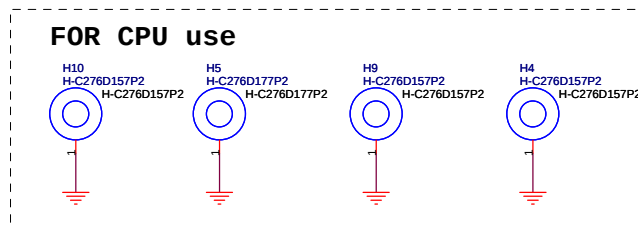
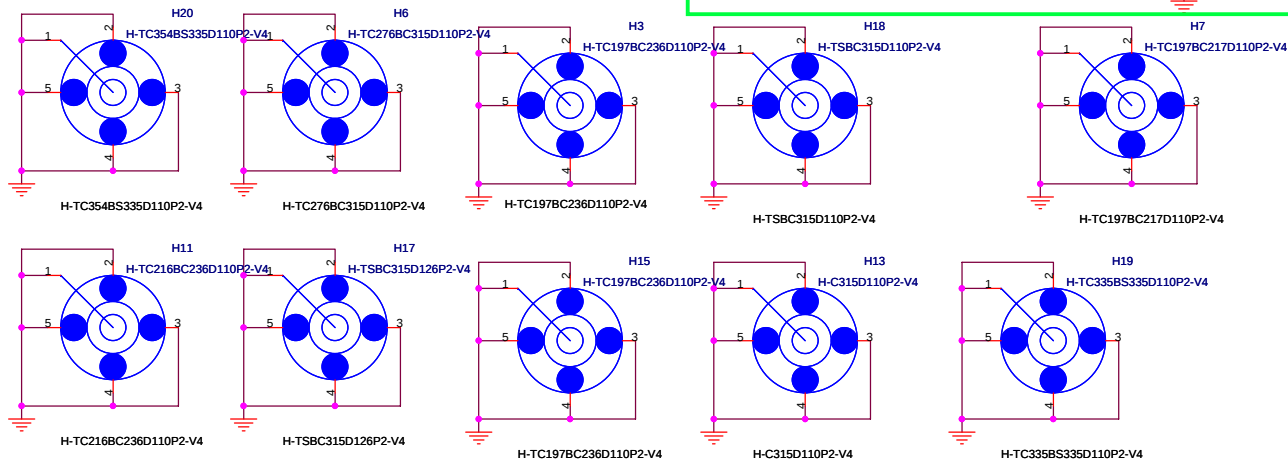
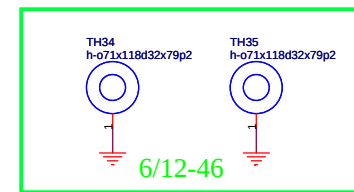
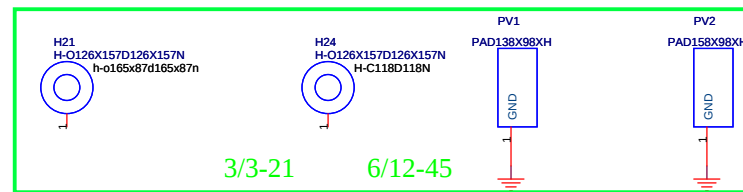
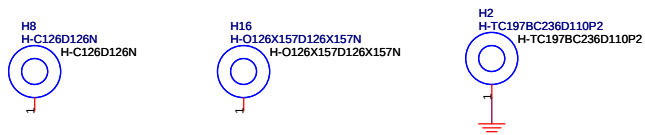
Size

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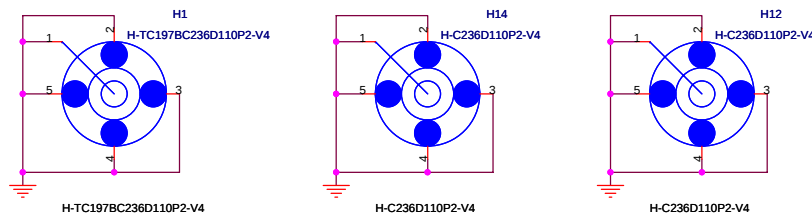
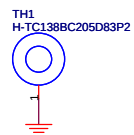
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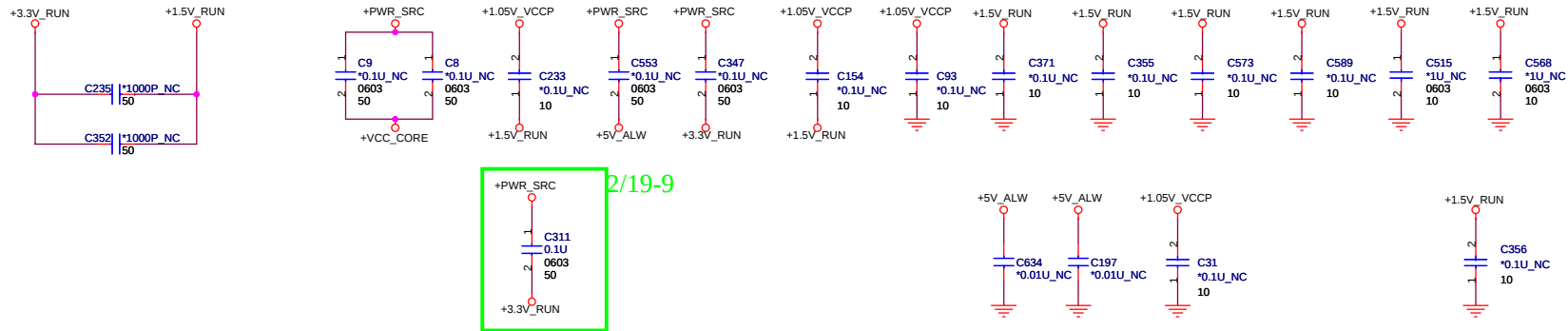


For FAN nut use.



Reserved for EMI.

Stitching caps.



Title EMI CAP

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