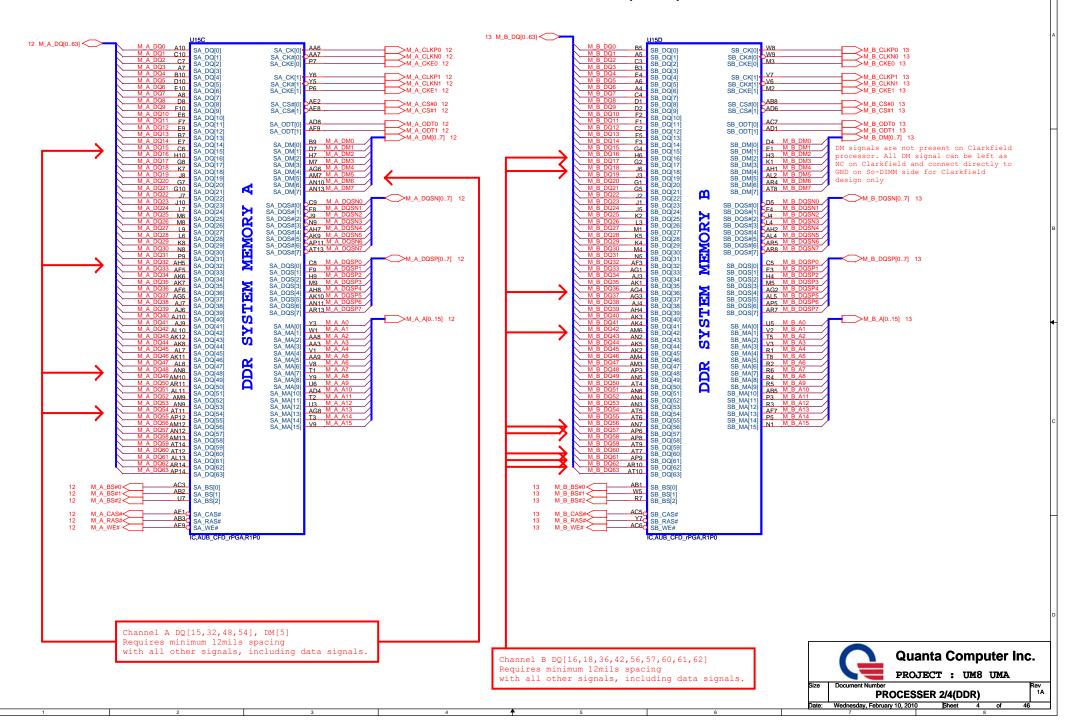
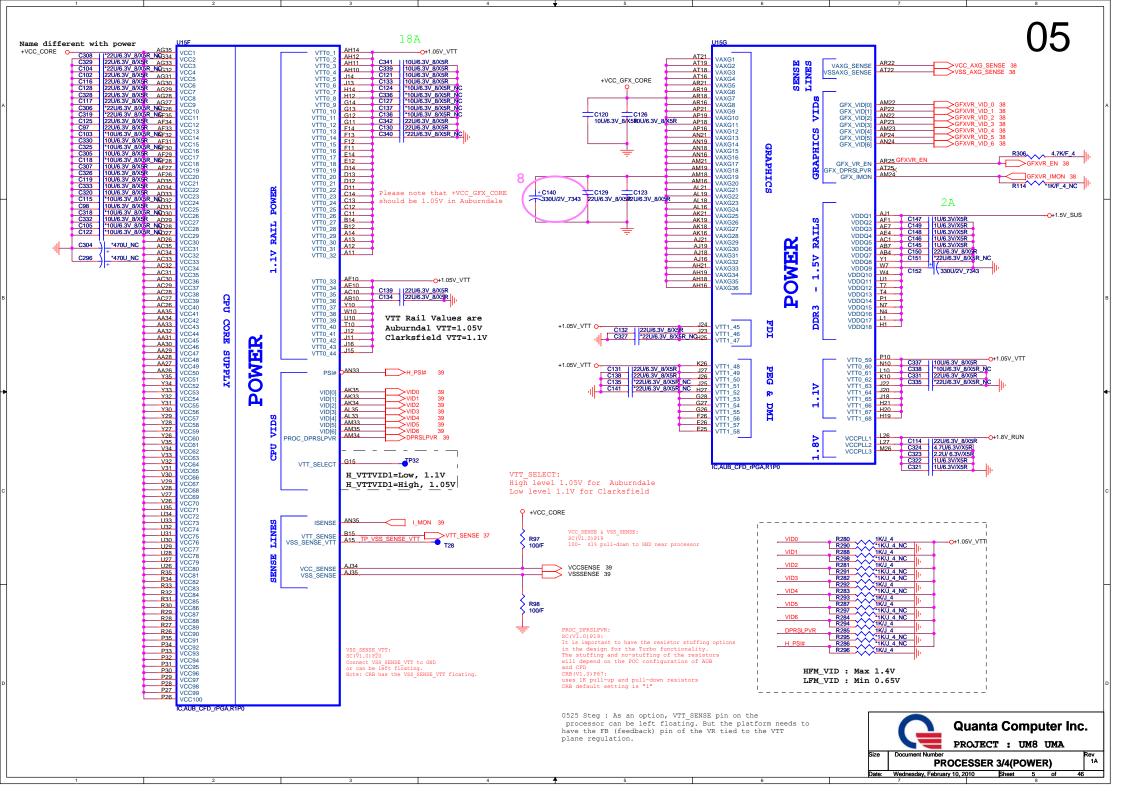


## **AUBURNDALE/CLARKSFIELD PROCESSOR (DDR3)**





## AUBURNDALE/CLARKSFIELD PROCESSOR (GND)

AT20 AT17 AR31 AR28 AR26 AR24 AR23 AR20 AE34 AE33 VSS81 VSS82 VSS2 VSS3 /SS163 AE32 AE31 K3 J32 VSS164 VSS165 VSS83 VSS4 VSS84 AF30 J30 J21 VSS85 VSS86 VSS166 VSS167 AE29 AE28 AE27 J19 H35 VSS87 VSS88 VSS168 VSS169 AR17 AR15 AR12 AR9 AE26 AE6 H32 H28 VSS89 VSS90 VSS170 VSS171 AD10 H26 H24 VSS91 VSS172 VSS173 AC8 VSS92 AR6 AR3 AC4 AC2 H22 H18 VSS93 VSS94 VSS174 VSS175 AP20 AP17 AB35 AB34 H15 H13 VSS176 VSS177 VSS95 VSS96 AP13 AP10 AB33 AB32 H11 VSS97 VSS98 VSS178 VSS179 H8 AP7 AP4 AB31 H5 H2 VSS180 VSS181 VSS19 AB30 VSS100 AP2 AN34 AB29 AB28 G34 G31 VSS21 VSS22 VSS101 VSS182 VSS183 AN31 AN23 AB27 AB26 G20 G9 VSS23 VSS24 VSS103 VSS184 VSS185 AN23 AN20 AN17 AM29 AM27 AM25 AM20 VSS10-AB6 G6 VSS25 VSS26 VSS105 VSS106 VSS186 VSS187 G3 AA10 F30 F27 VSS188 VSS189 VSS107 Y4 VSS108 F25 F22 VSS29 VSS30 VSS10 VSS190 VSS191 W35 AM17 AM14 F19 F16 VSS11: VSS11: VSS11: VSS11: /SS192 W33 VSS193 AM11 AM8 AM5 AM2 E35 E32 W32 VSS194 VSS195 W31 VSS34 W30 E29 E24 VSS11 VSS196 W29 VSS36 VSS11 VSS197 AL34 AL31 E21 E18 VSS11 VSS198 VSS199 **VSS** VSS W27 AL23 AL20 E13 E11 W26 VSS39 VSS40 VSS11 VSS200 VSS201 W6 AL20 AL17 AL12 AL9 AL6 AL3 AK29 VSS12 V10 E8 E5 VSS12 VSS12 VSS202 VSS203 118 E2 D33 D30 D26 VSS204 VSS205 VSS123 U2 VSS44 VSS124 VSS45 VSS46 VSS125 VSS126 VSS206 VSS206 VSS207 T34 AK27 AK25 T33 T32 D9 D6 VSS127 SS208 VSS128 VSS129 VSS130 AK25 AK20 AK17 AJ31 AJ23 AJ20 AJ17 AJ14 AJ11 D6 D3 C34 C32 C29 C28 C24 /SS209 T31 VSS210 VSS211 T30 VSS50 T29 T28 T27 VSS131 VSS132 /SS212 VSS213 VSS132 VSS134 VSS214 VSS215 T26 VSS54 T6 R10 C22 C20 VSS136 VSS137 VSS138 AJ8 AJ5 AJ2 AH35 /SS217 C19 C16 VSS219 VSS139 /SS220 N35 B25 B21 B18 VSS140 AH34 AH33 VSS140 VSS142 VSS222 VSS223 N33 AH32 AH31 N32 N31 B17 B13 /SS224 VSS144 VSS145 AH31 AH30 AH29 AH28 AH27 AH26 AH20 /SS225 N30 B11 N29 B8 B6 VSS146 /SS227 VSS147 N27 R4 VSS148 VSS229 A29 A27 VSS149 VSS150 N6 VSS70 AH17 AH13 M10 A23 /SS232 1.35 VSS152 VSS153 VSS154 /SS233 AH9 AT35 AT1 AR34 B34 B2 AH6 AH3 L29 VSS\_NCTF1 VSS74 VSS\_NCTF1 VSS\_NCTF2 VSS\_NCTF3 VSS\_NCTF4 VSS\_NCTF5 VSS15 AG10 AF8 VSS156 VSS157 VSS158 AF4 AF2 K34 VSS78 K33 × B1 × A35 VSS\_NCTF6 VSS\_NCTF7 AF35

The Clarkfield processor's PCI Express interface may not meet PCI Express 2.0 jitter specifications. Intel recommends placing a 3.01K +/- 5% pull down resistor to VSS on CFG[7] pin for both rPGA and BGA components. This pull down resistor should be removed when this issue is fixed.

CFG4

(Display Port

Presence)

(PCI-Epress

Configuration Select)

CFG0

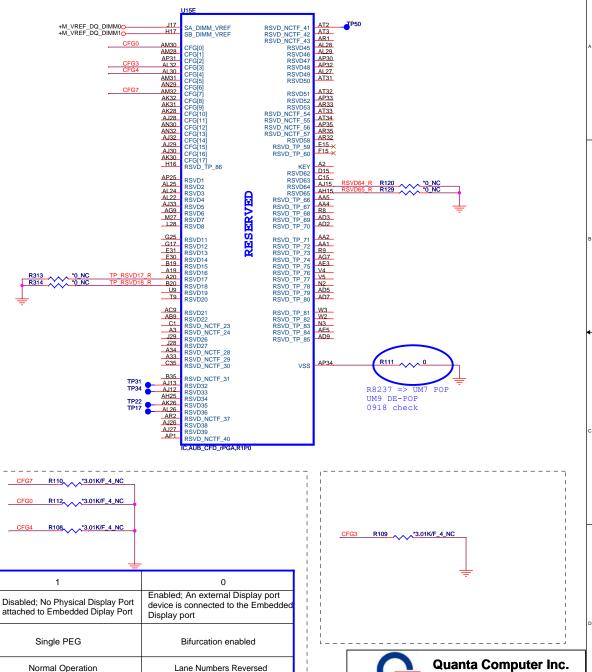
CFG3

Lane Reversal)

(PCI-Epress Static

VSS160

## AUBURNDALE/CLARKSFIELD PROCESSOR( RESERVED, CFG)



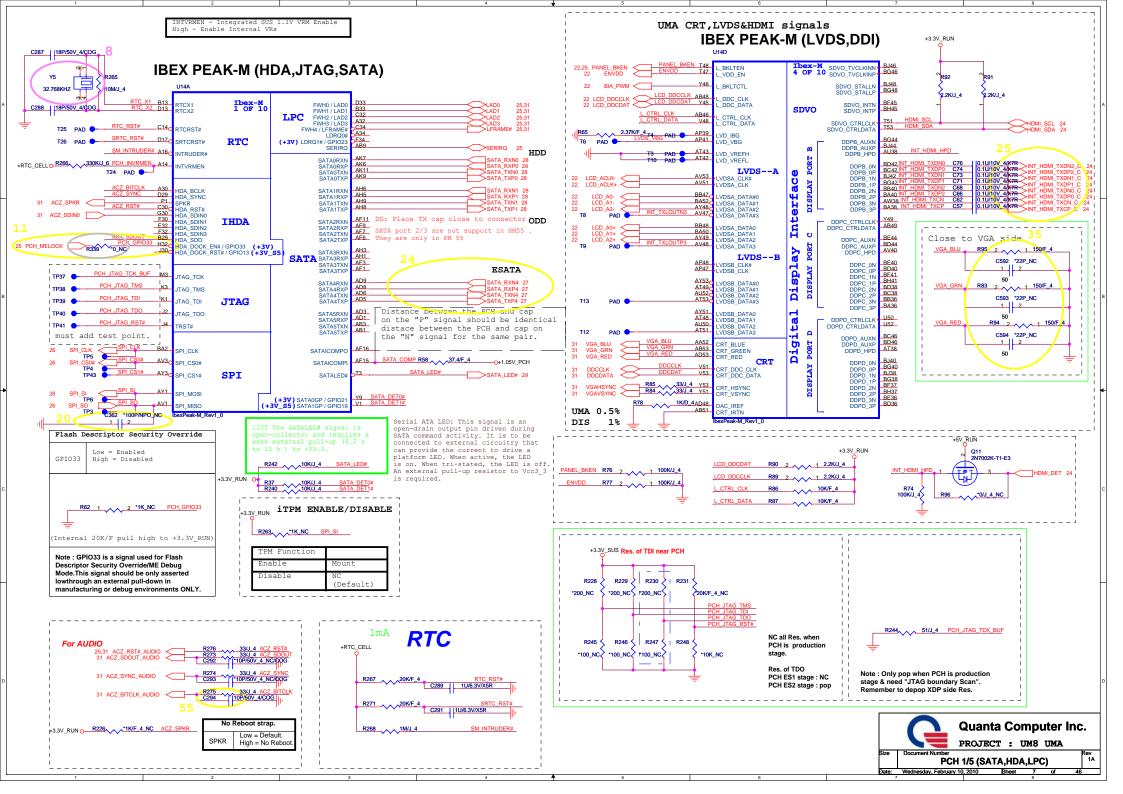
PROJECT: UM8 UMA

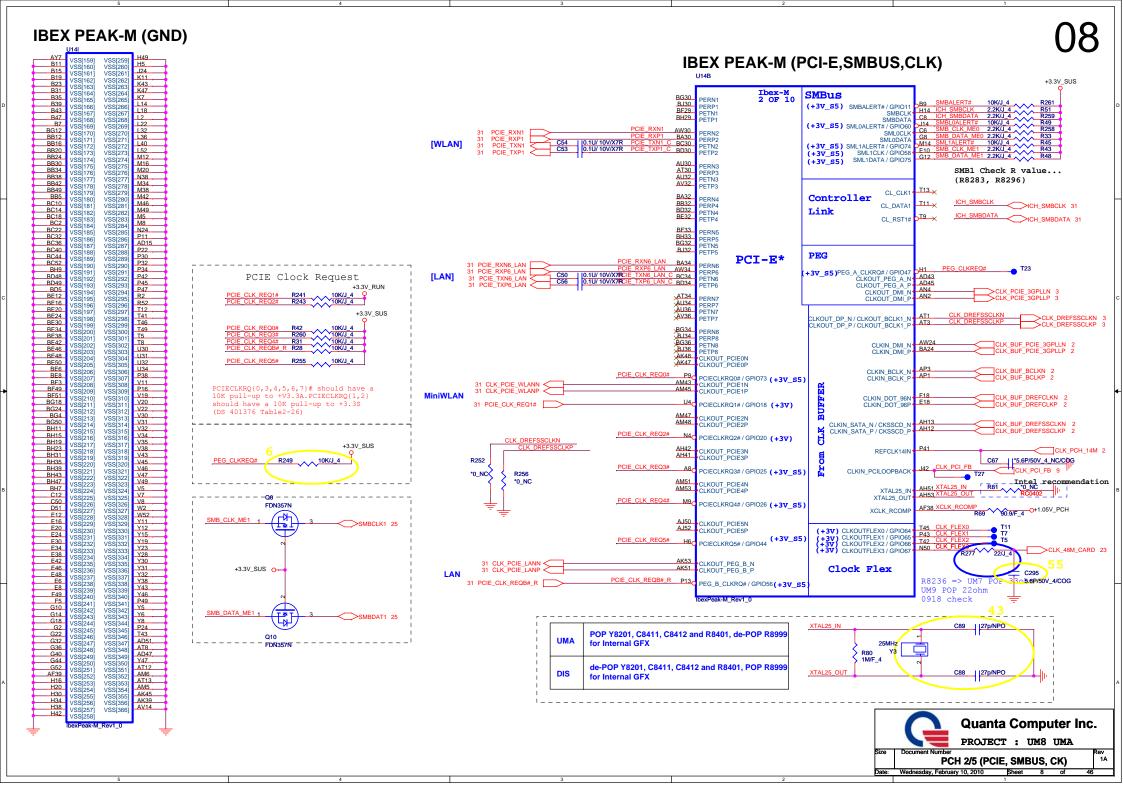
PROCESSER 4/4 (GND)

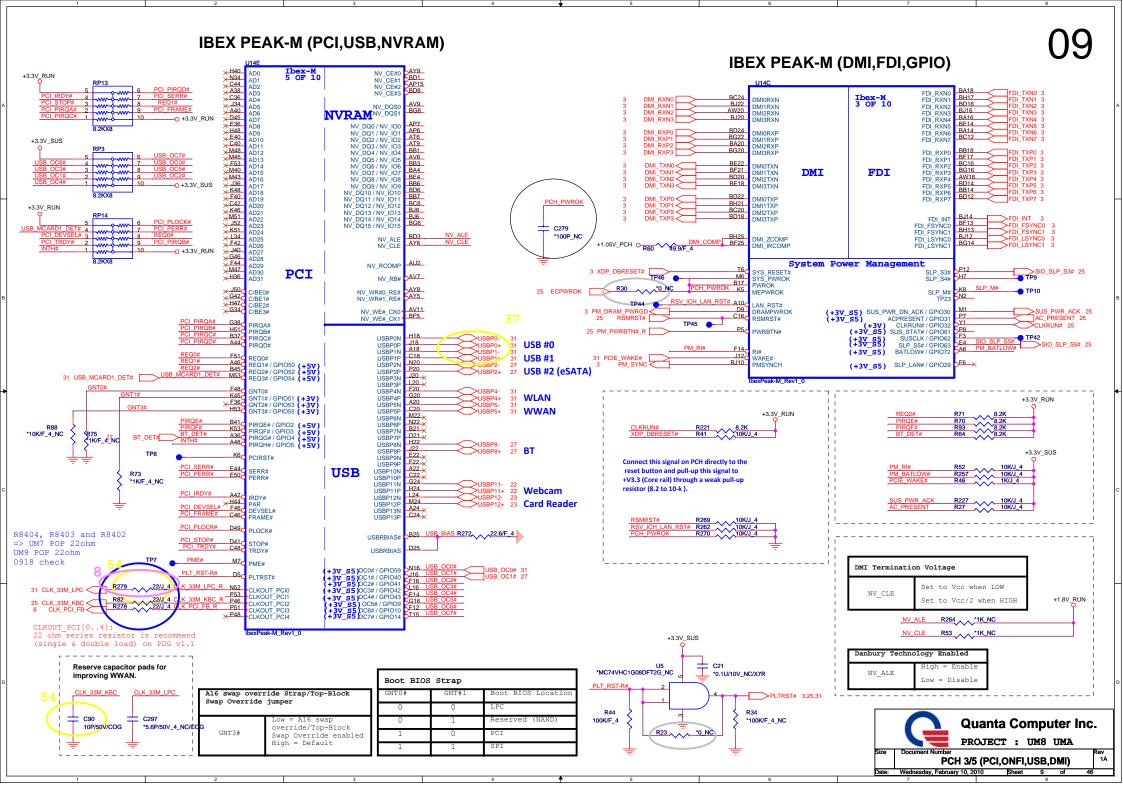
February 10, 2010

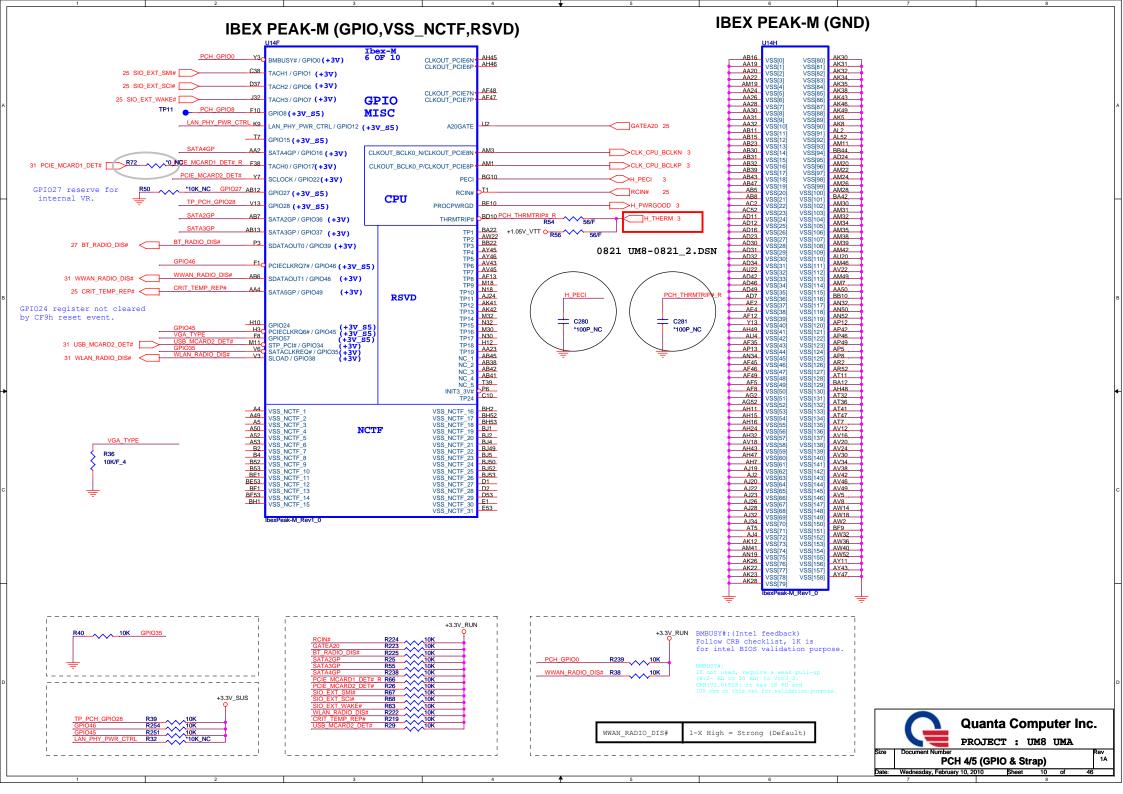
lev 1A

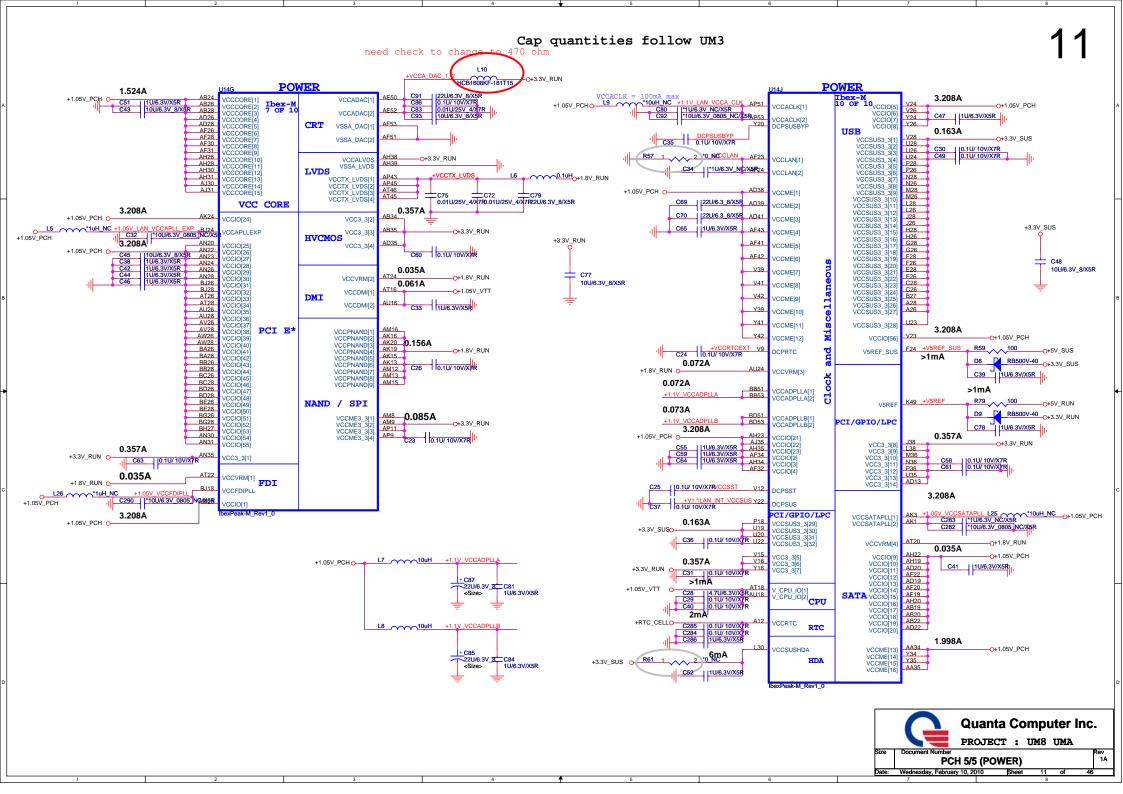
15 -> 0 , 14 -> 1

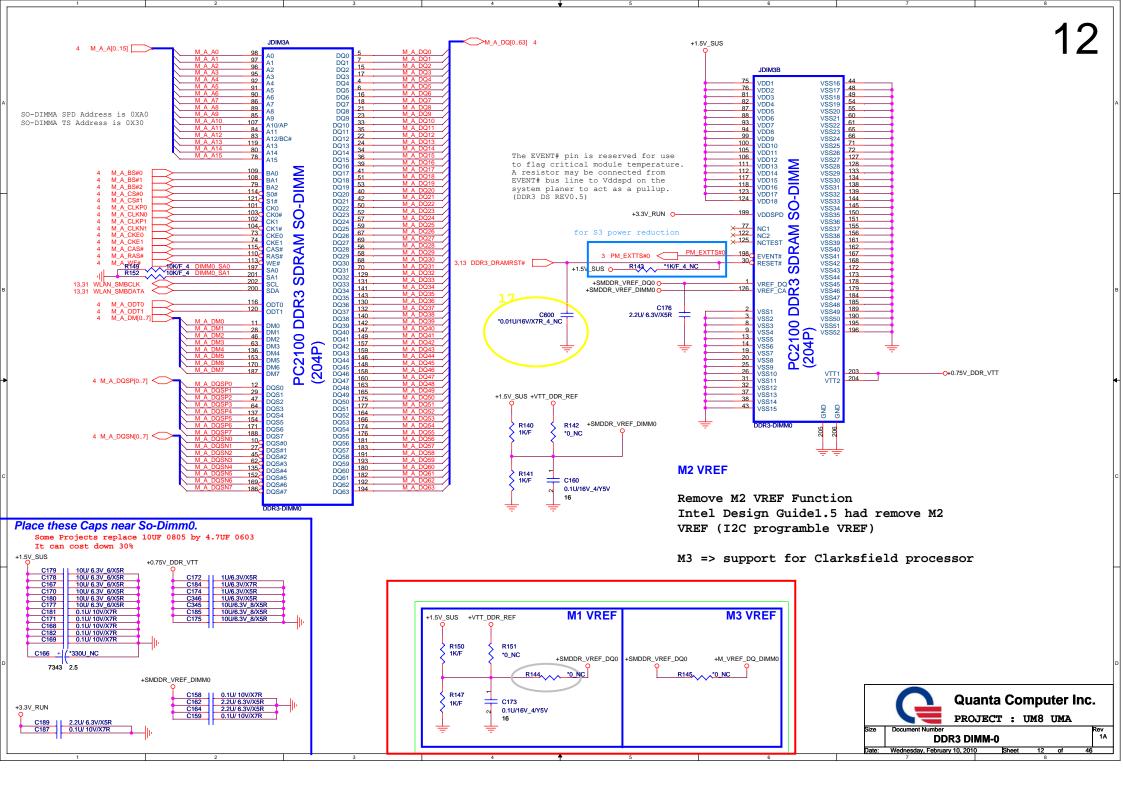


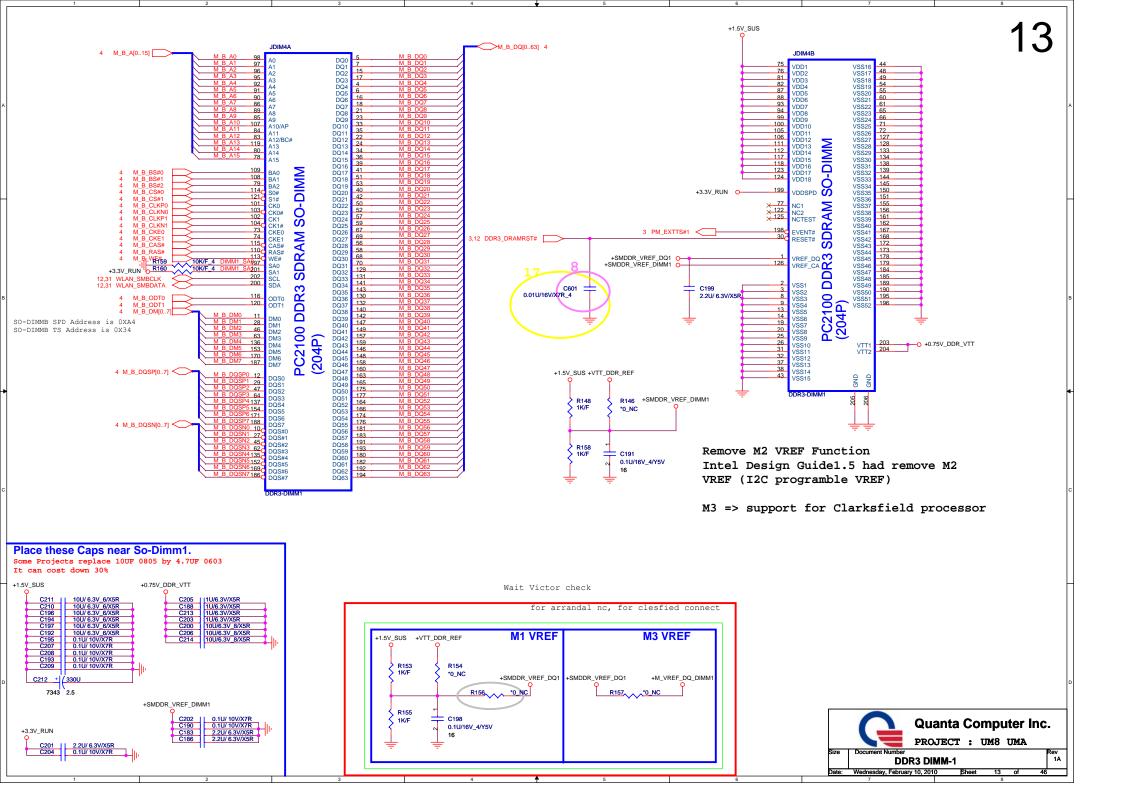




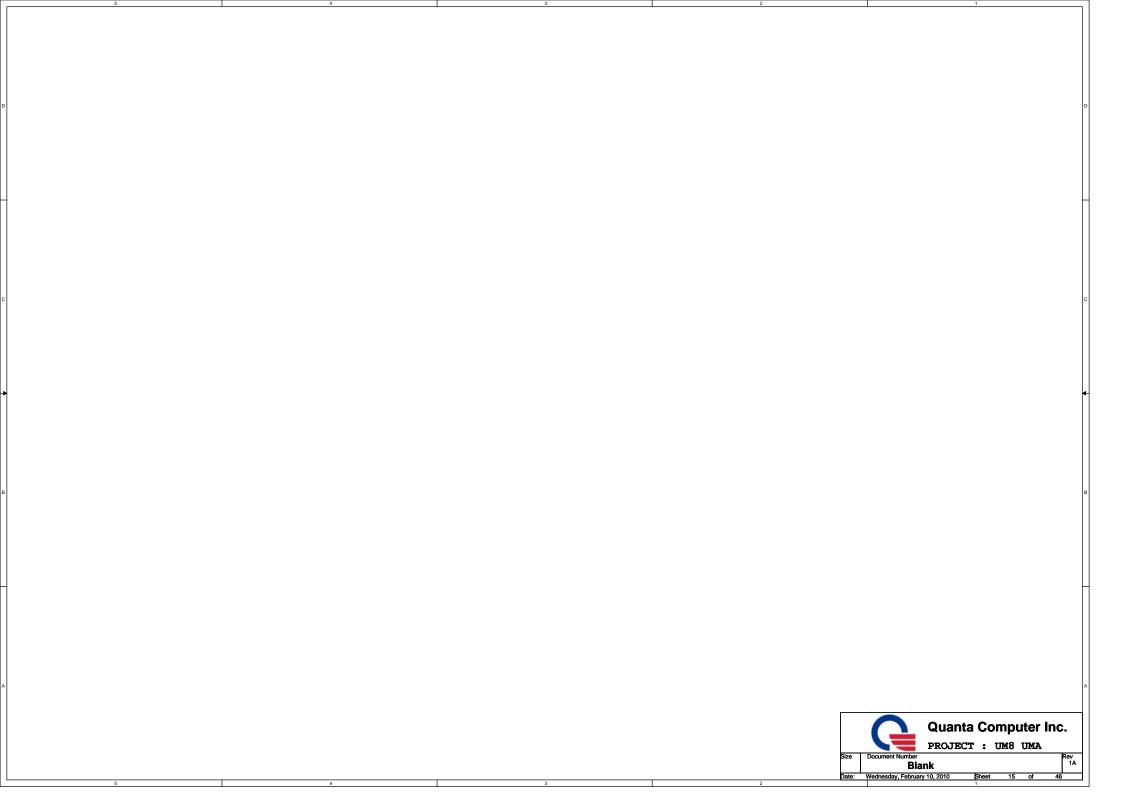


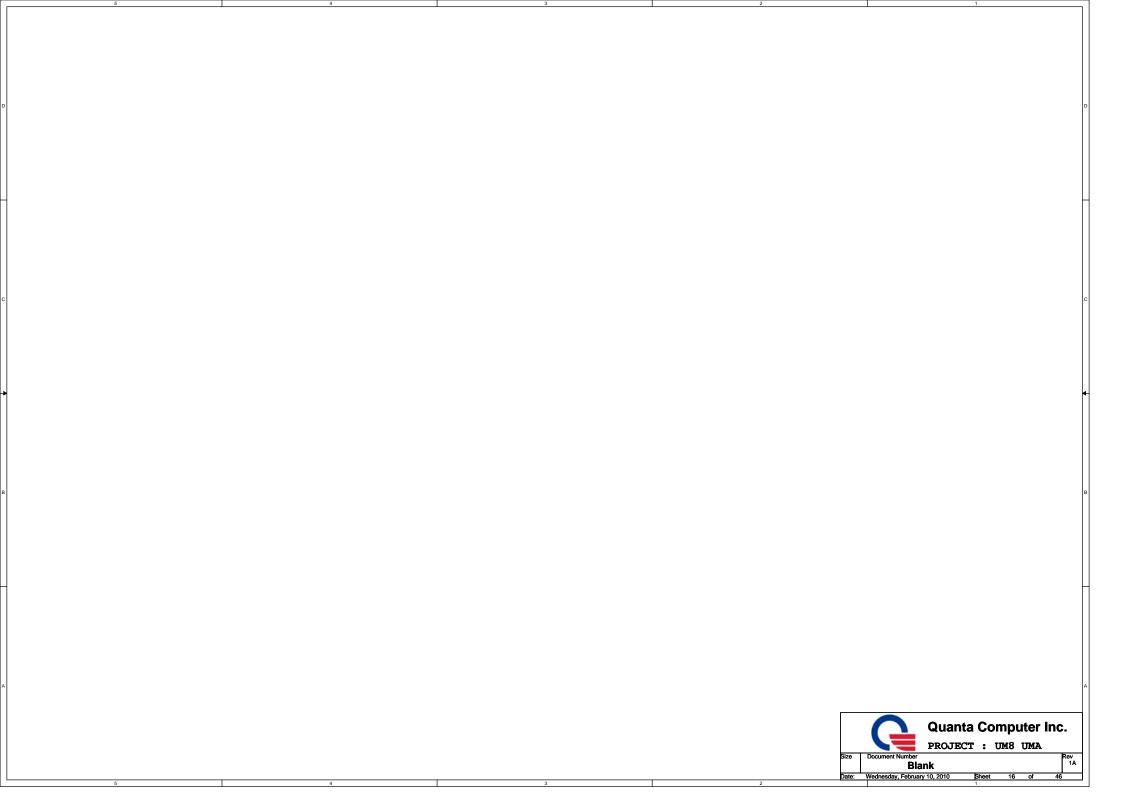


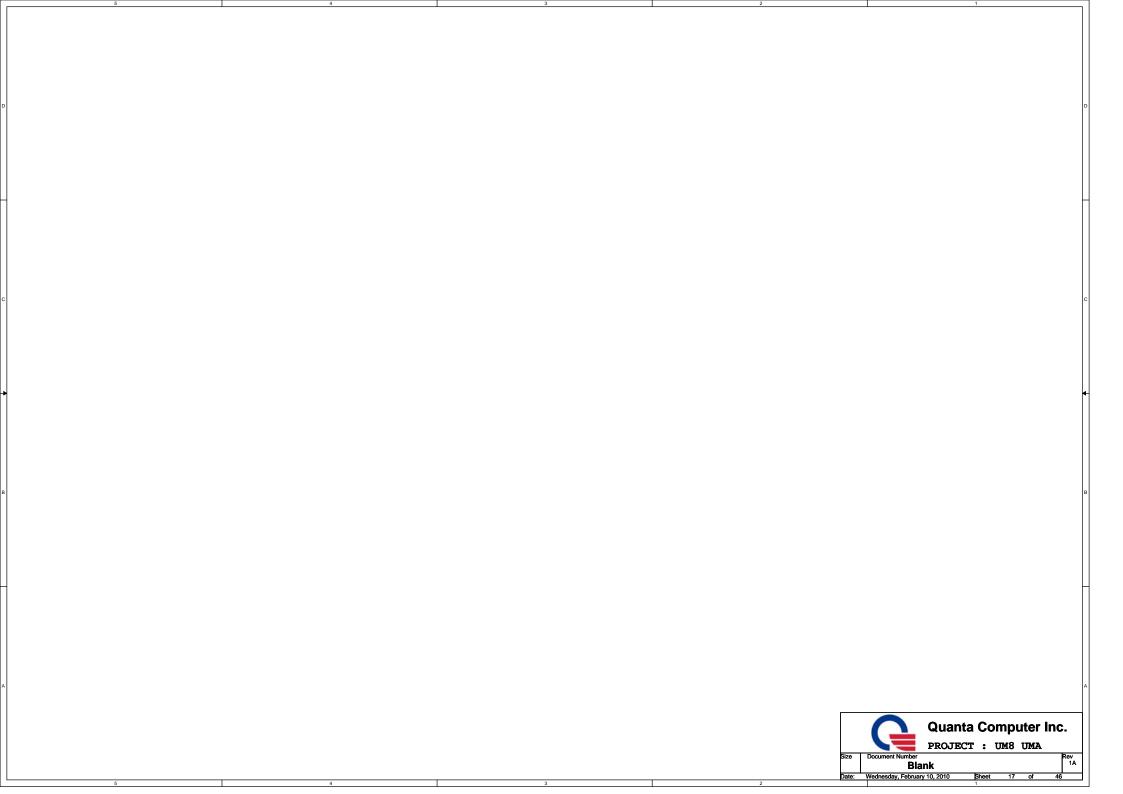


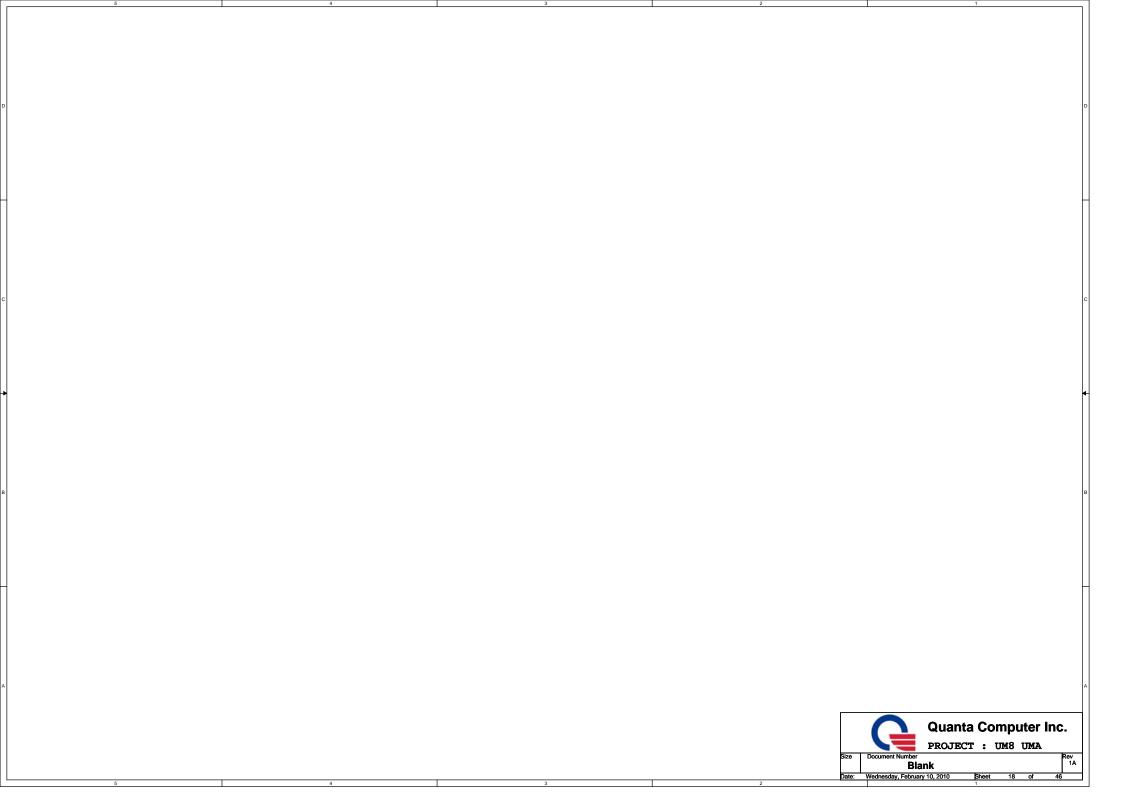


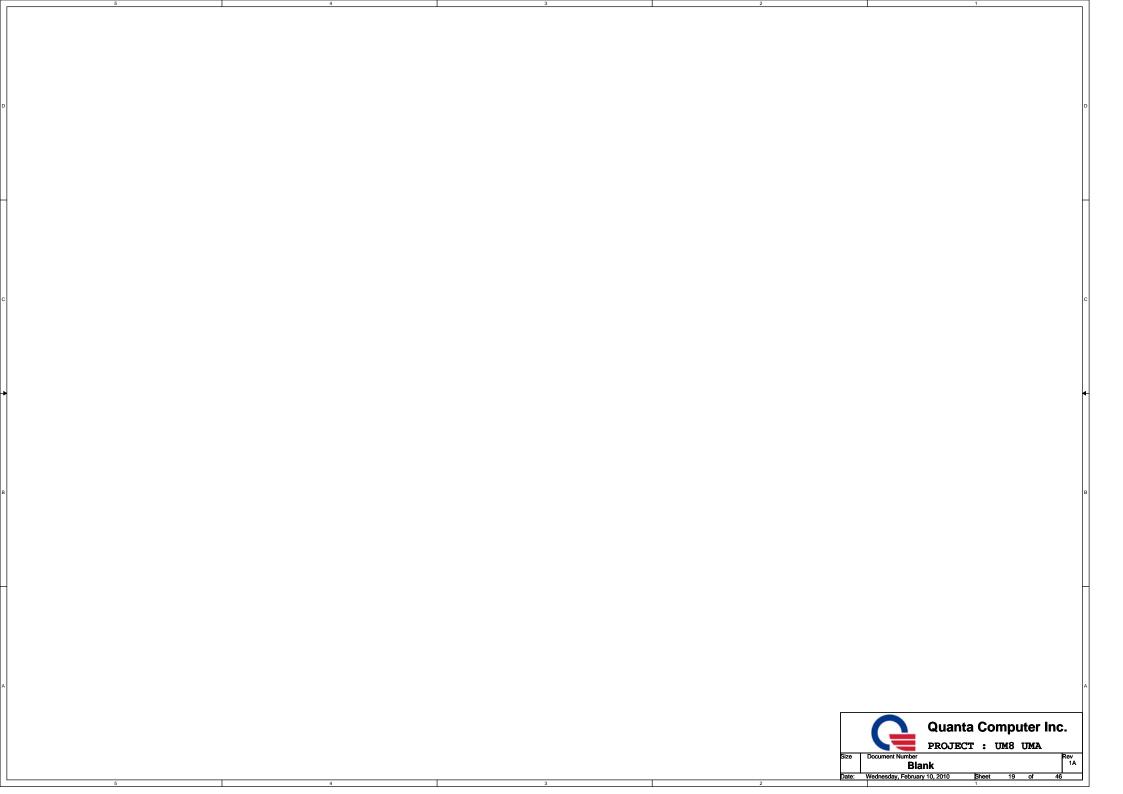


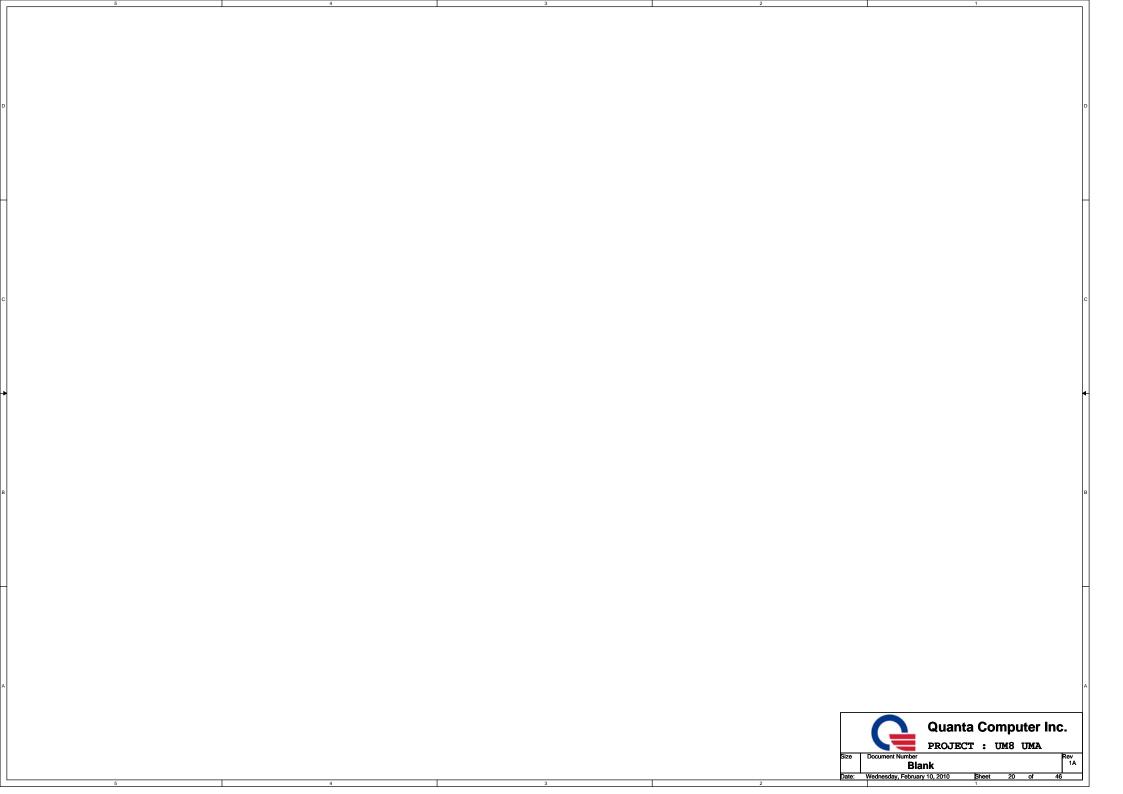


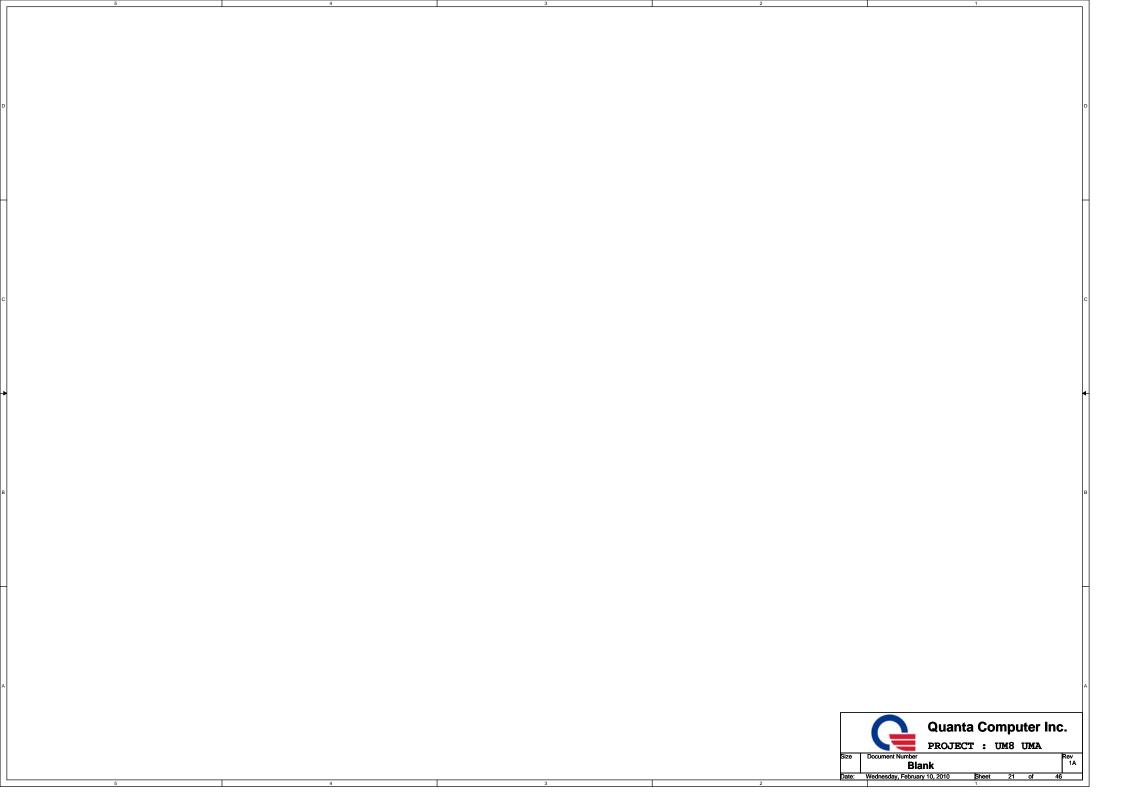


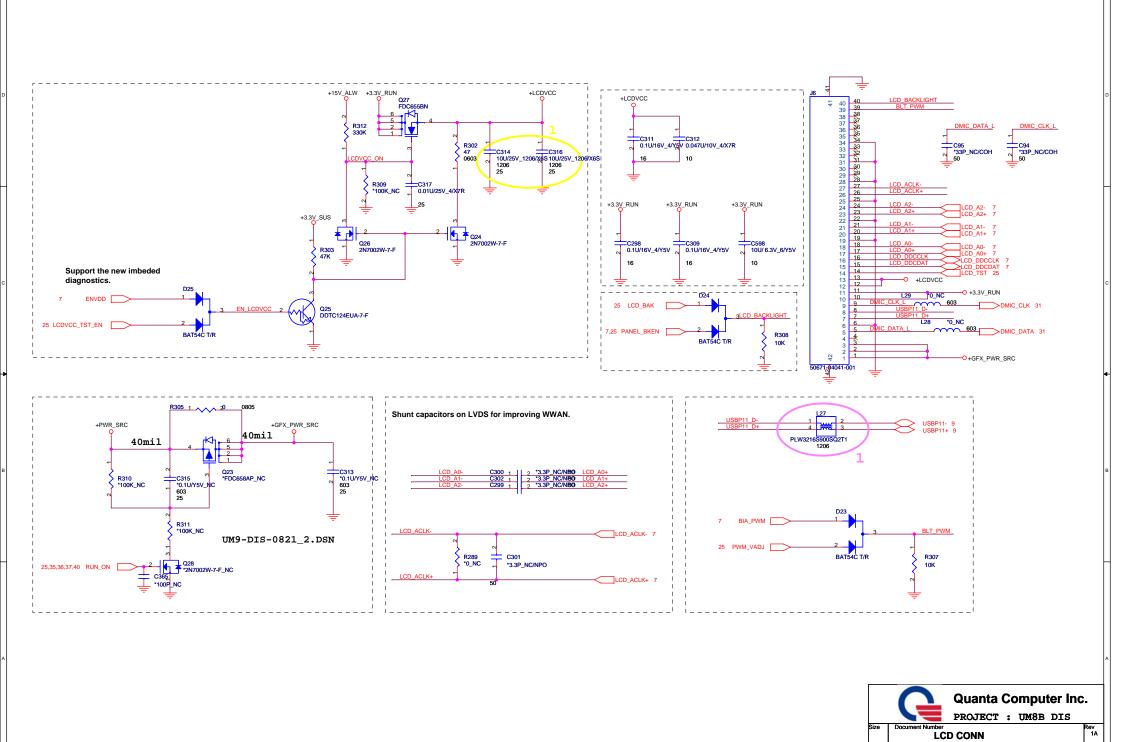


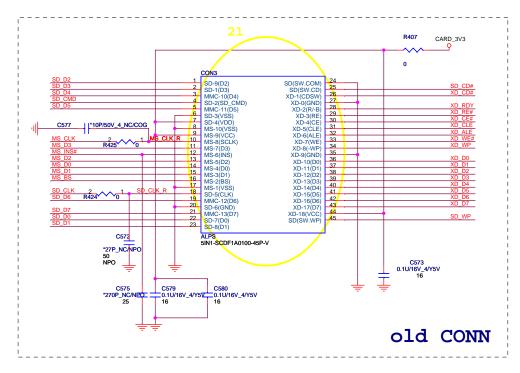


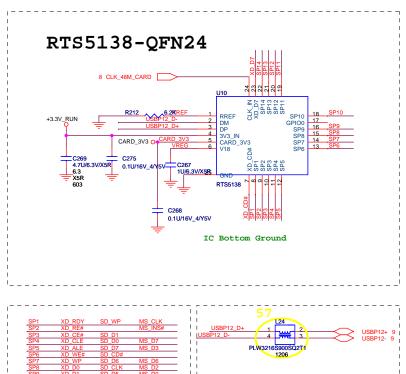




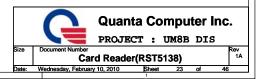


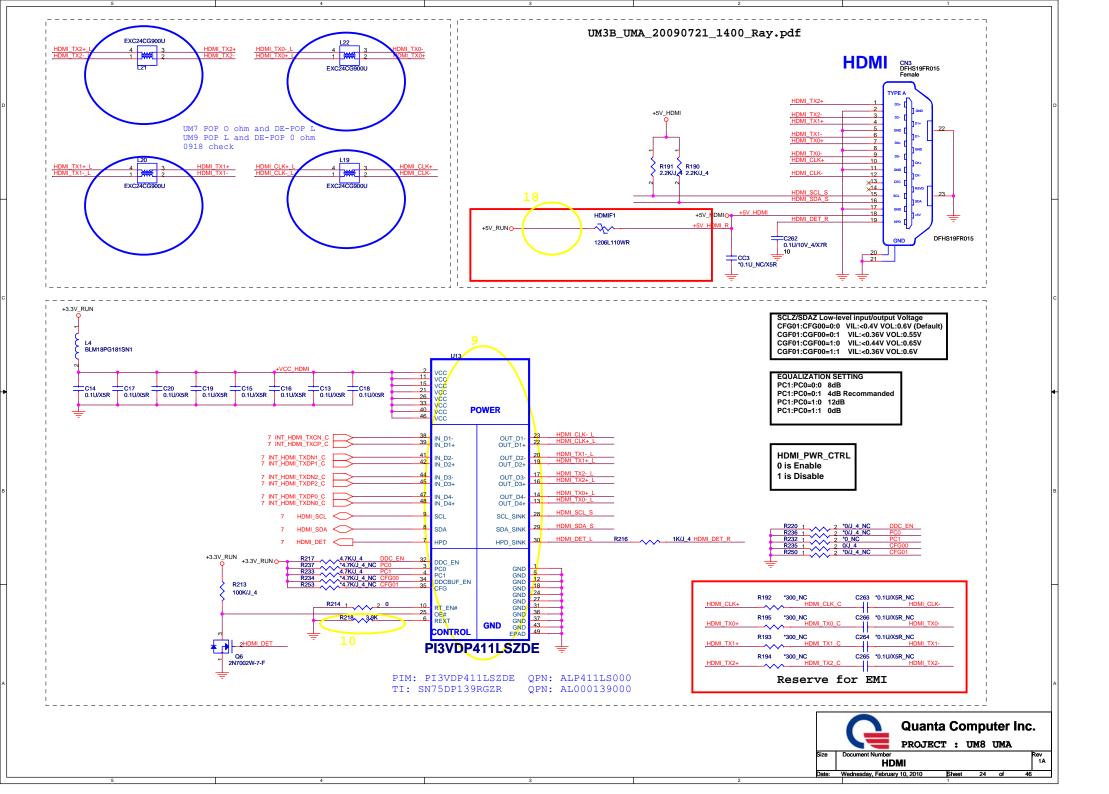


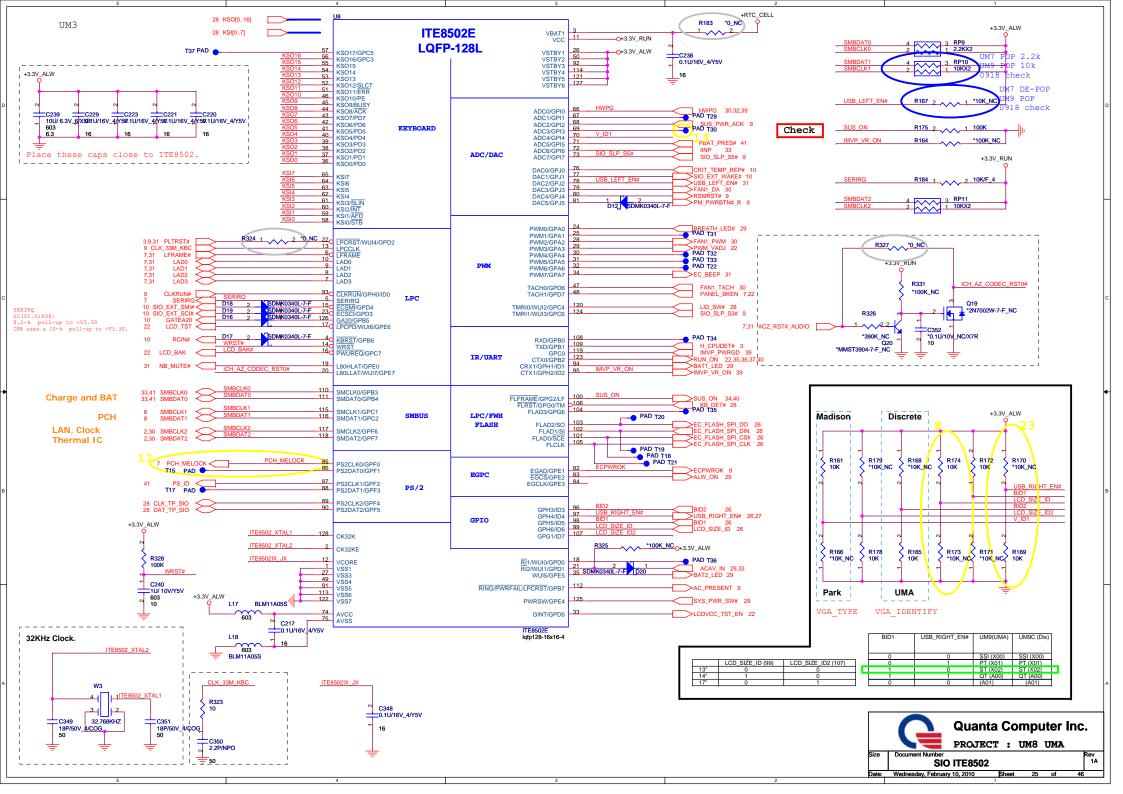




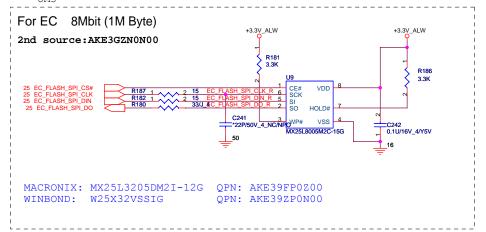
Share Pin

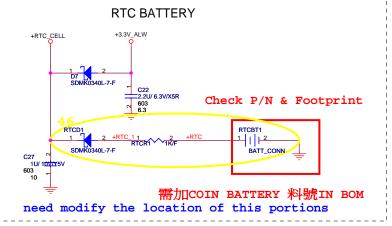






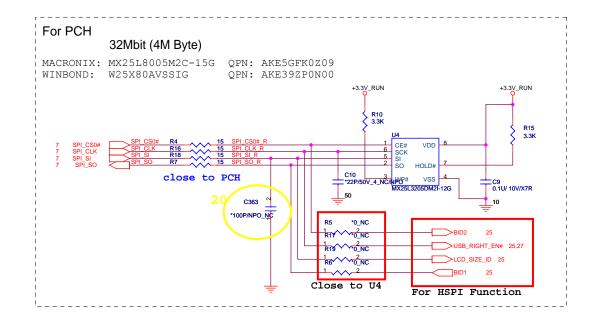
UM3





13

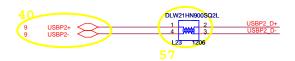
RTC-BATTERY



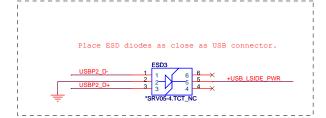


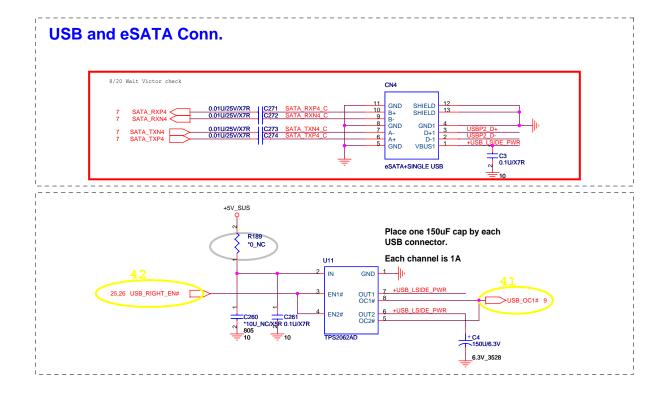


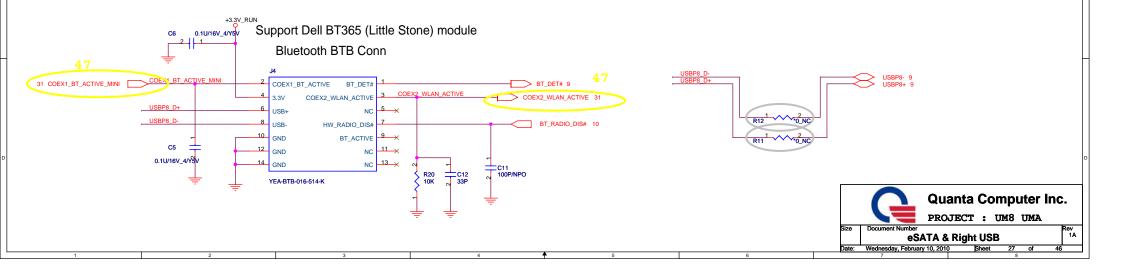
External USB PORT hookup reference. Your design may need more or less external ports and may be mapped differently

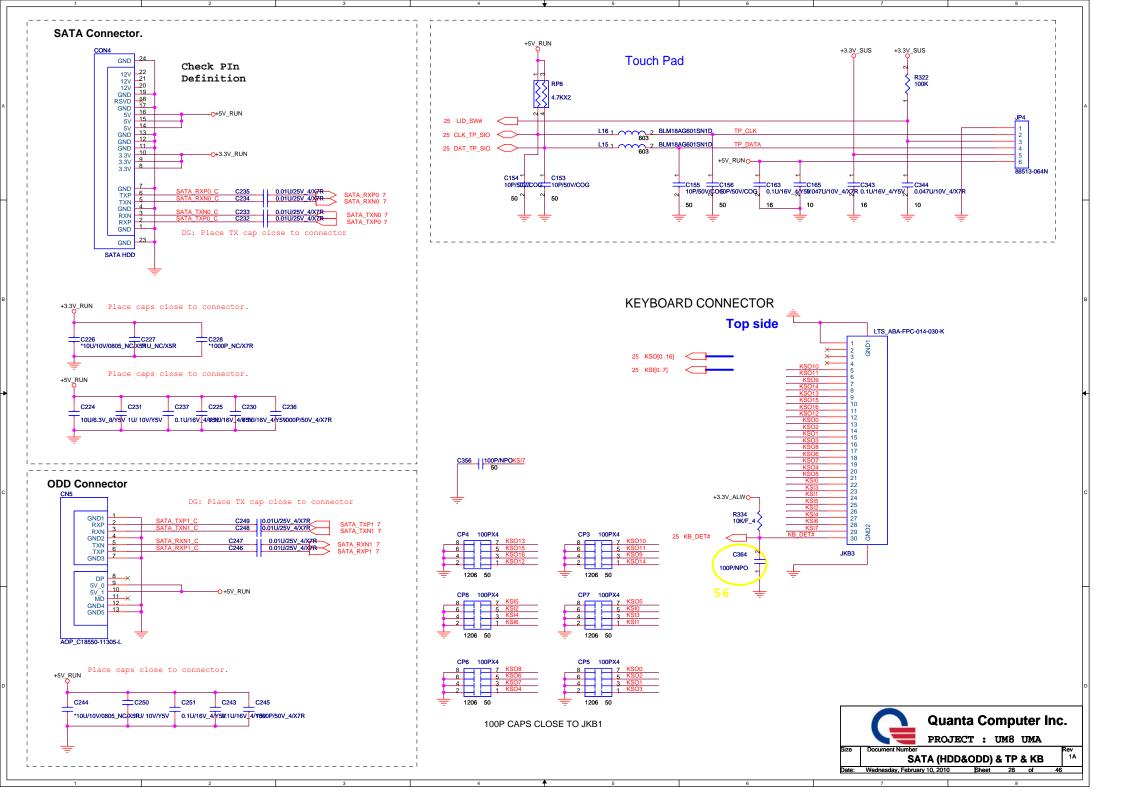


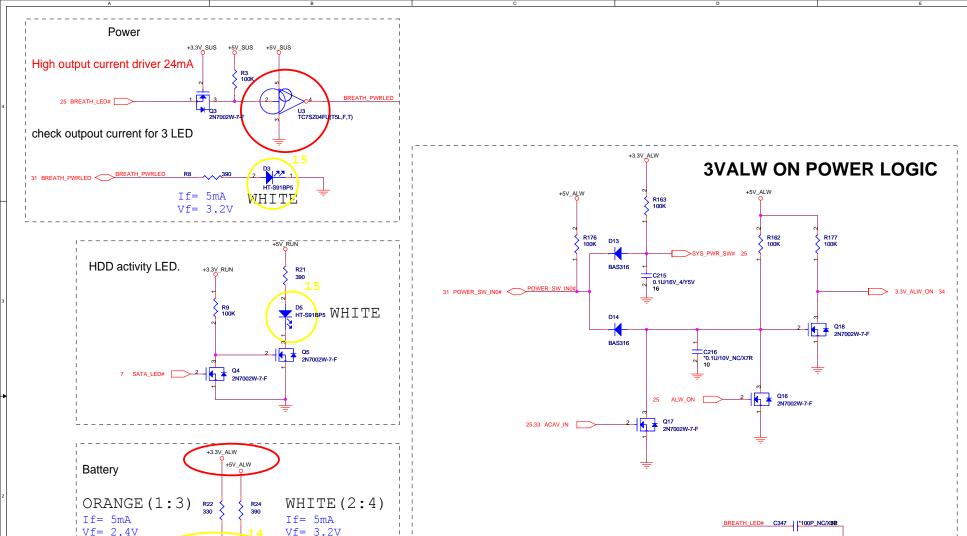
Platforms should put in PADS for the USB chokes if they have the room. Chokes should be NOPOP.

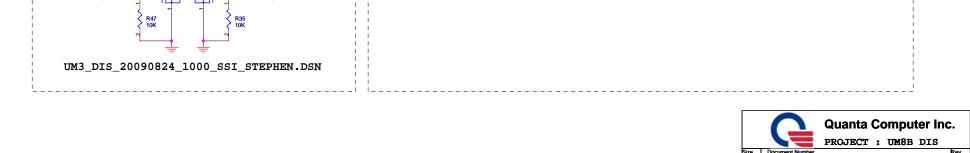






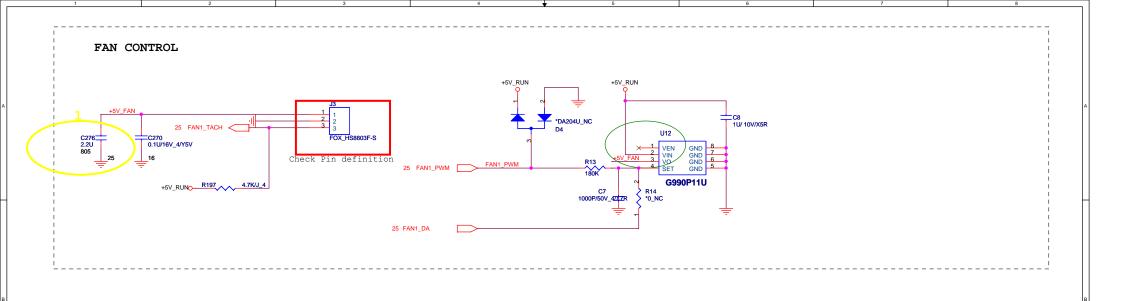


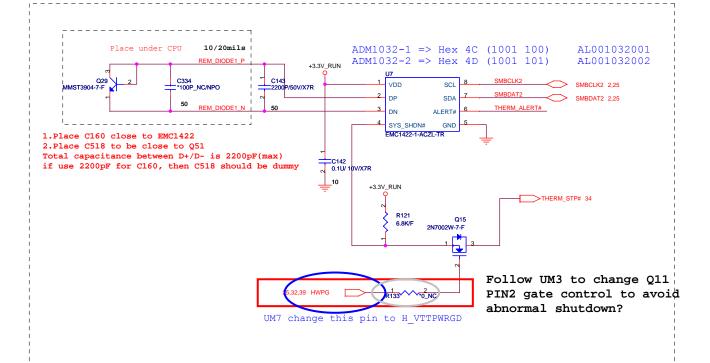


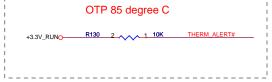


SWITCH, LED

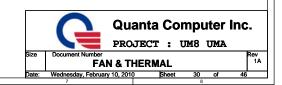
25 BAT2\_LED

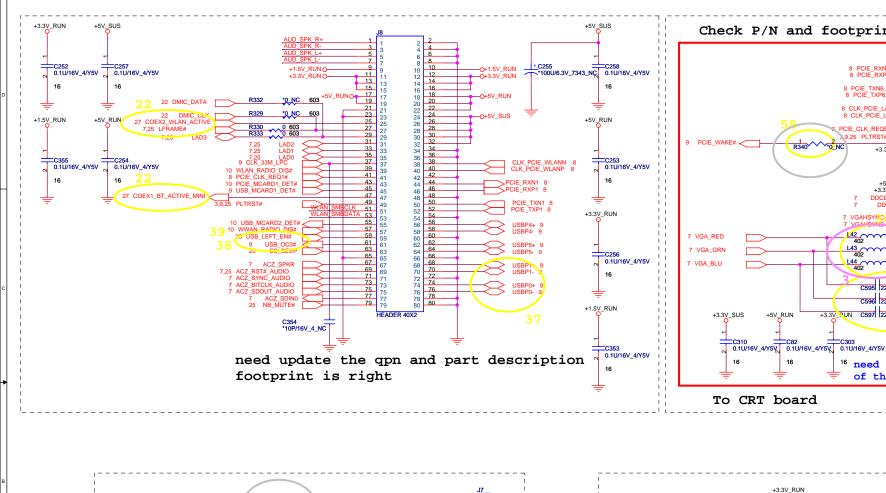


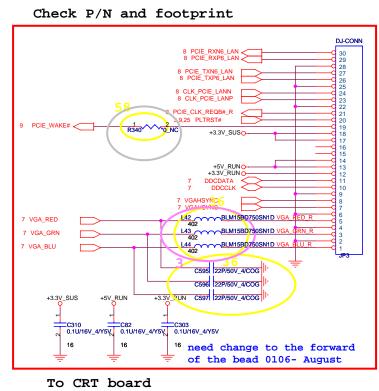


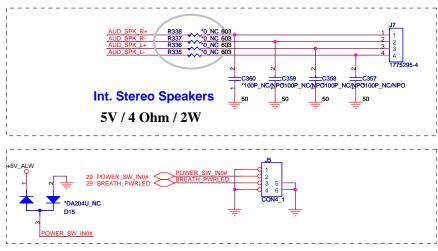


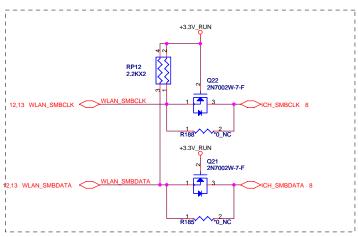
SYS_SHD# ALERT#	4.7K	6.8K	10K	15K	22K	33K
4.7K	77 <b>'</b> C	83'C	89'C	95 <b>'</b> C	101'C	107 <b>'</b> C
6.8K	78 <b>'</b> C	84'C	90'C	96'C	102'C	108'C
10K	79 <b>'</b> C	85'C	91'C	97 <b>'</b> C	103'C	109'C
15K	80'C	86'C	92 <b>'</b> C	98'C	104'C	110'C
22K	81'C	87 <b>'</b> C	93'C	99'C	105'C	111'C
33K	82 <b>'</b> C	88'C	94'C	100'C	106'C	112'C

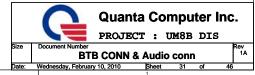


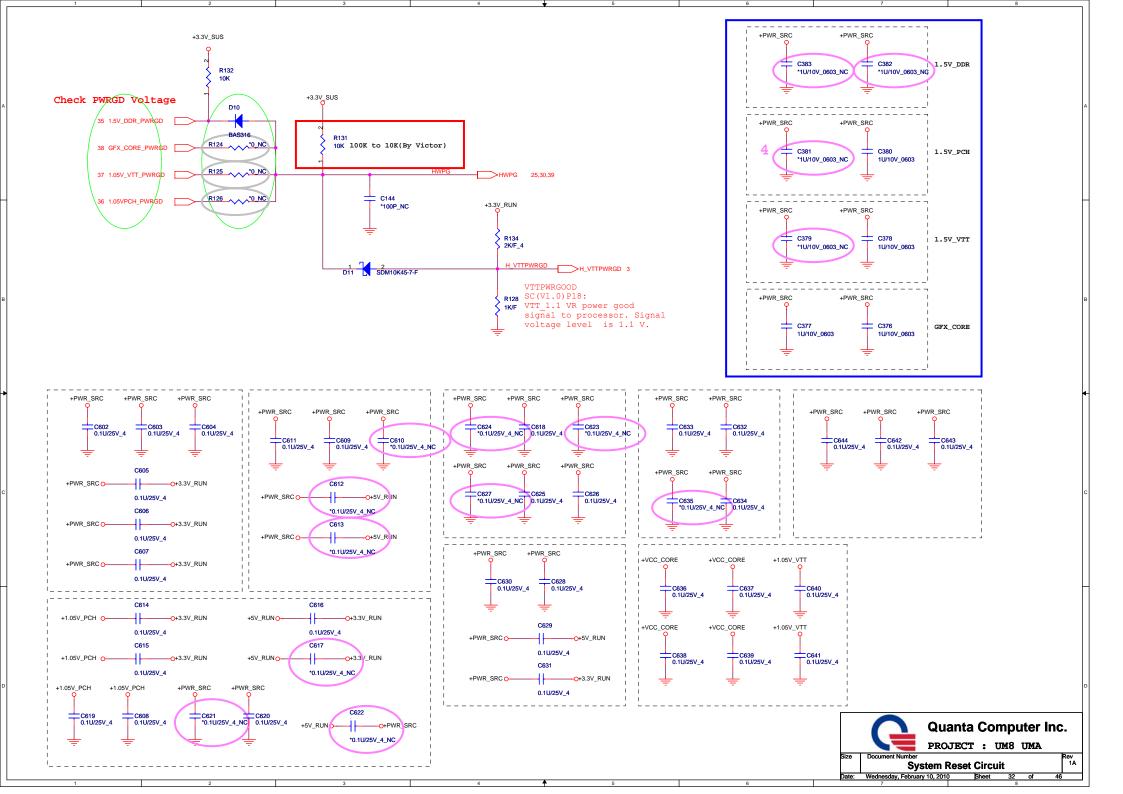


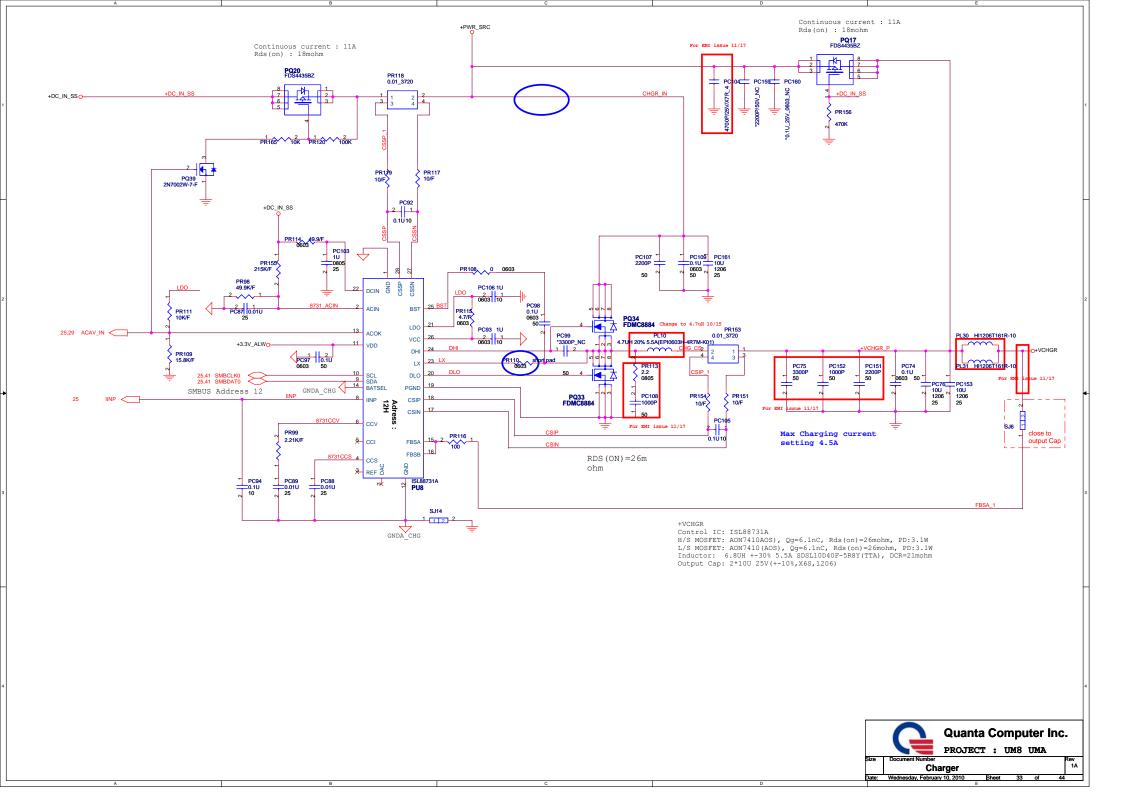


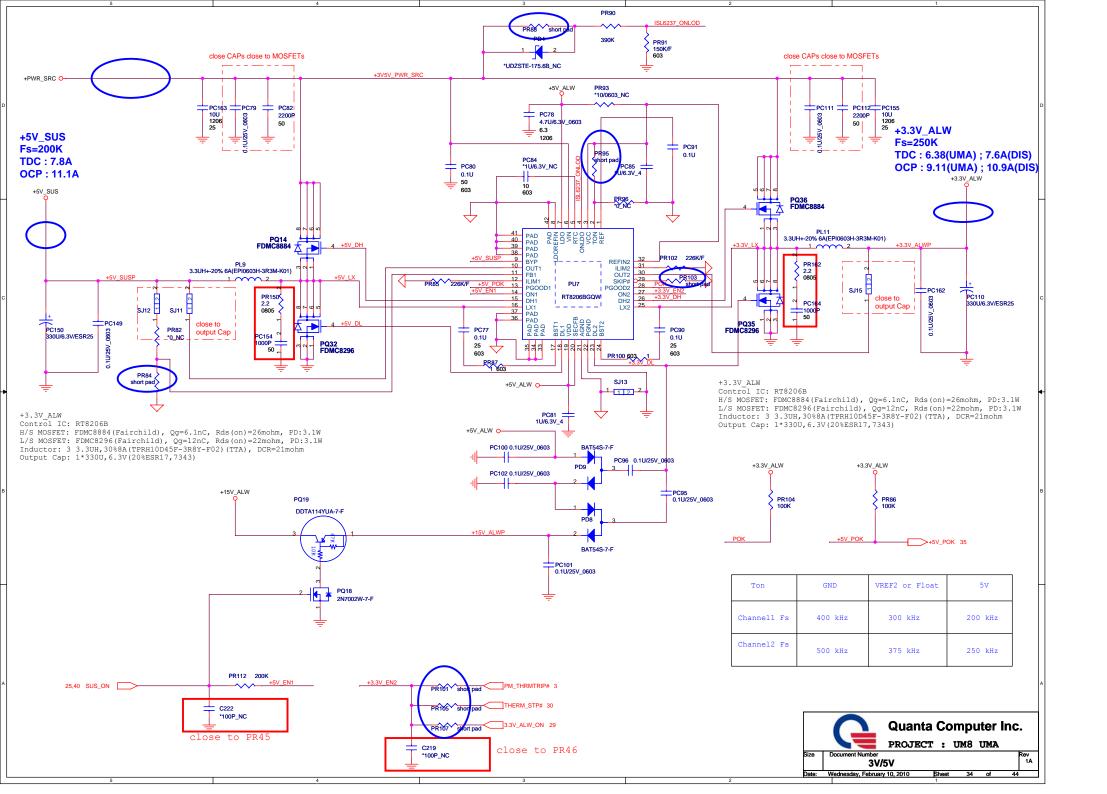


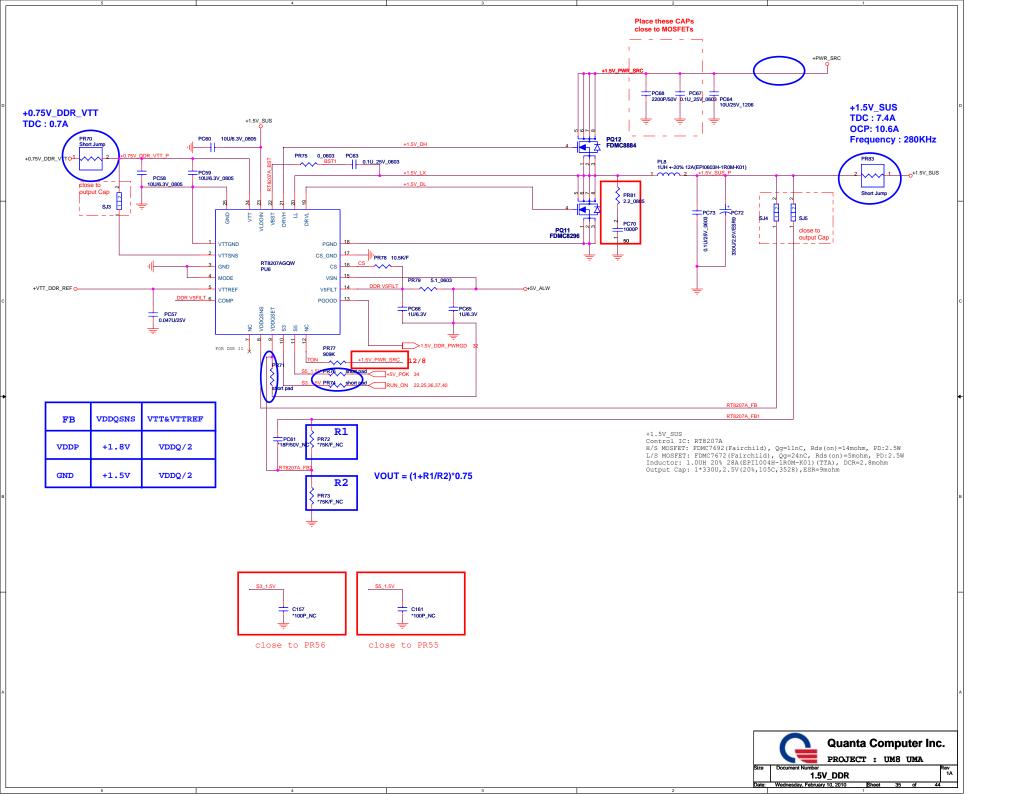


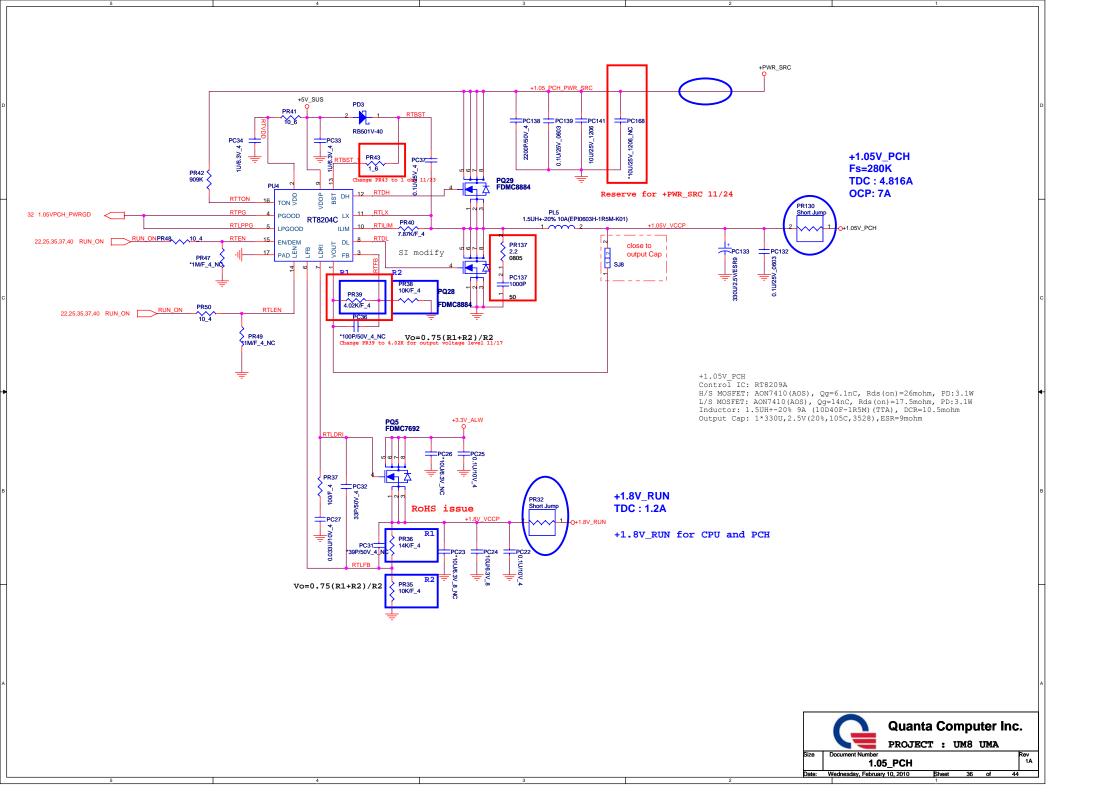


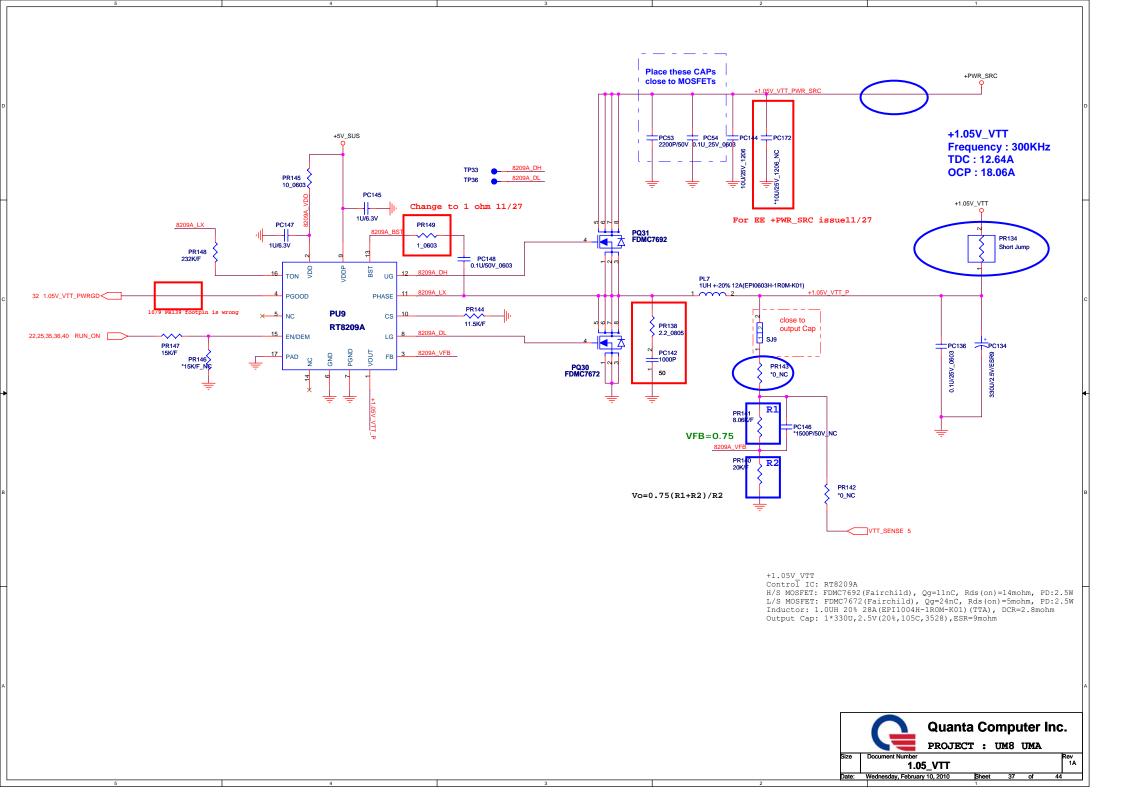


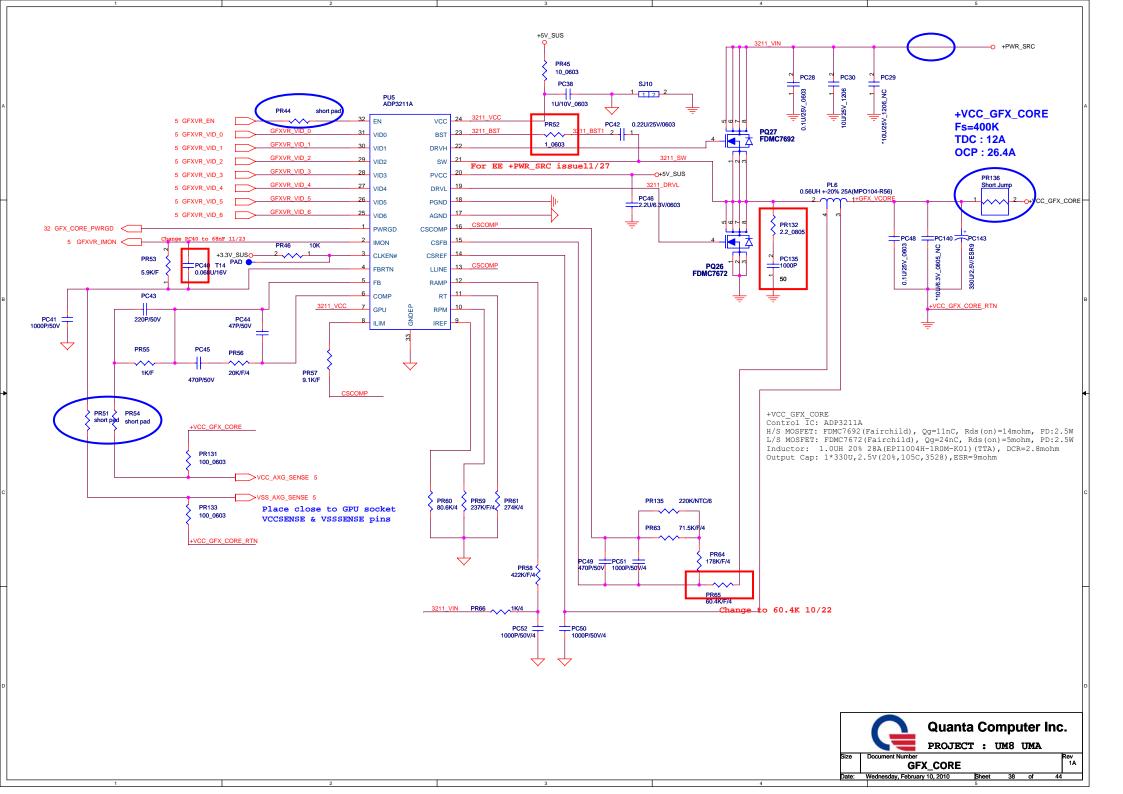


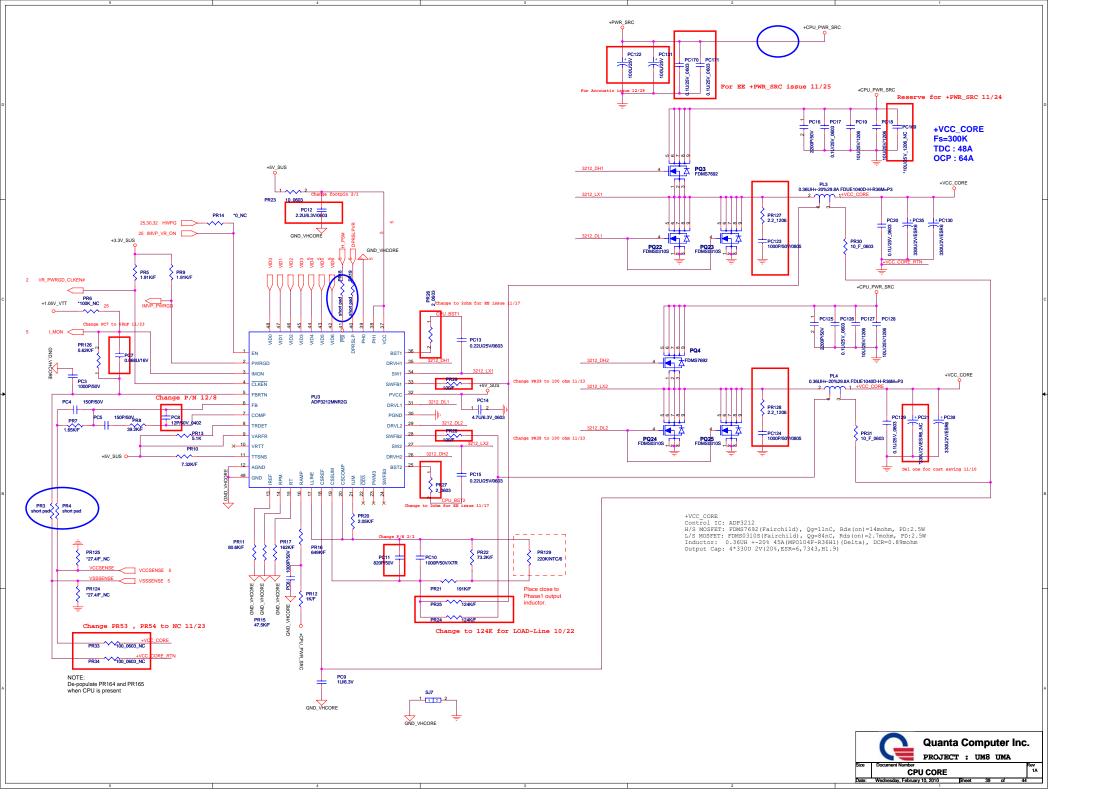


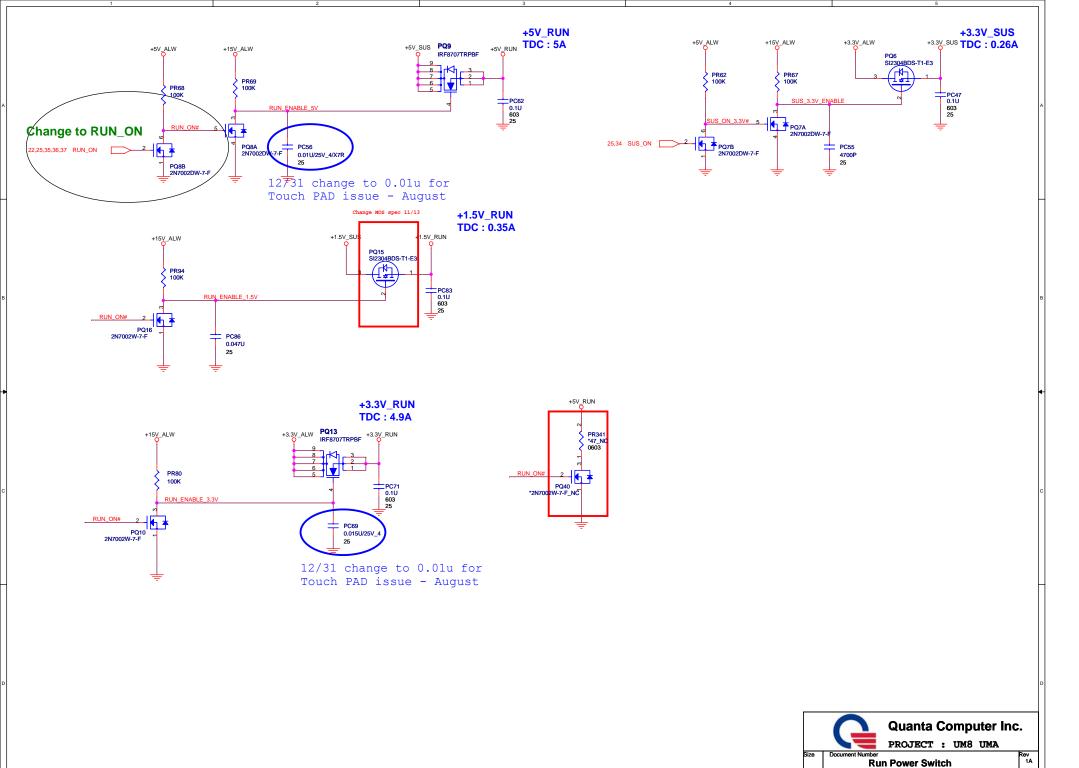




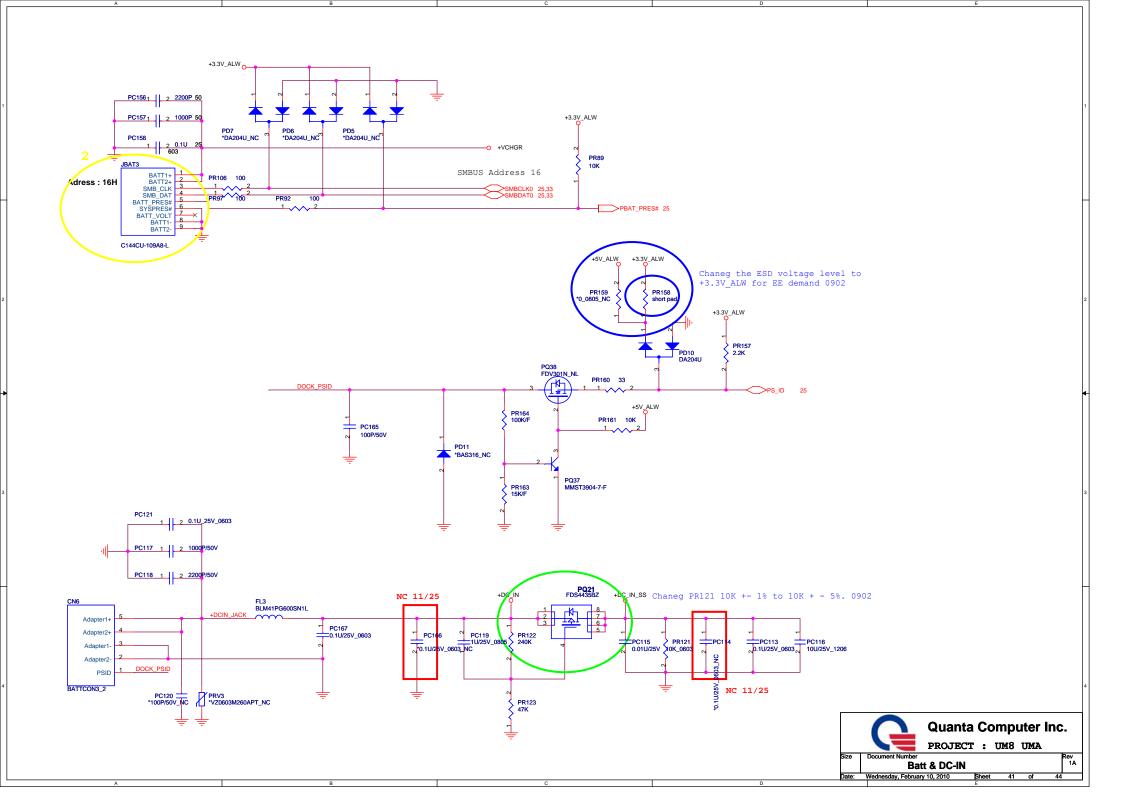


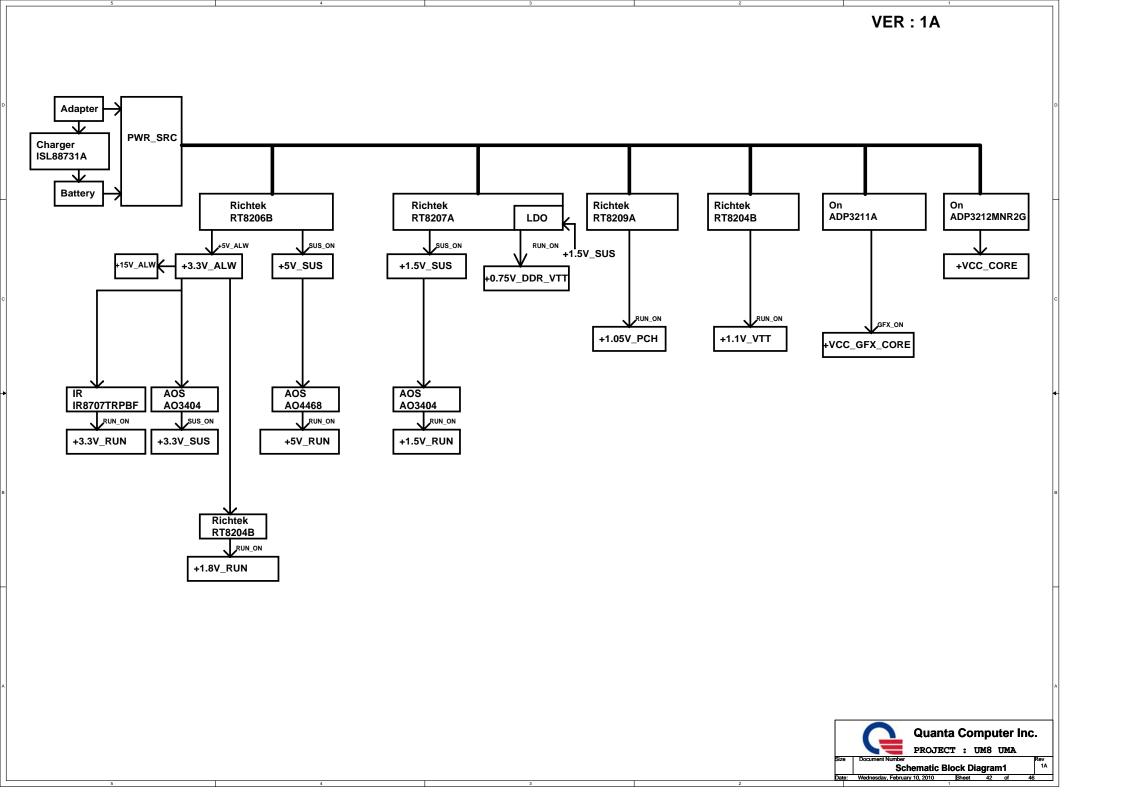


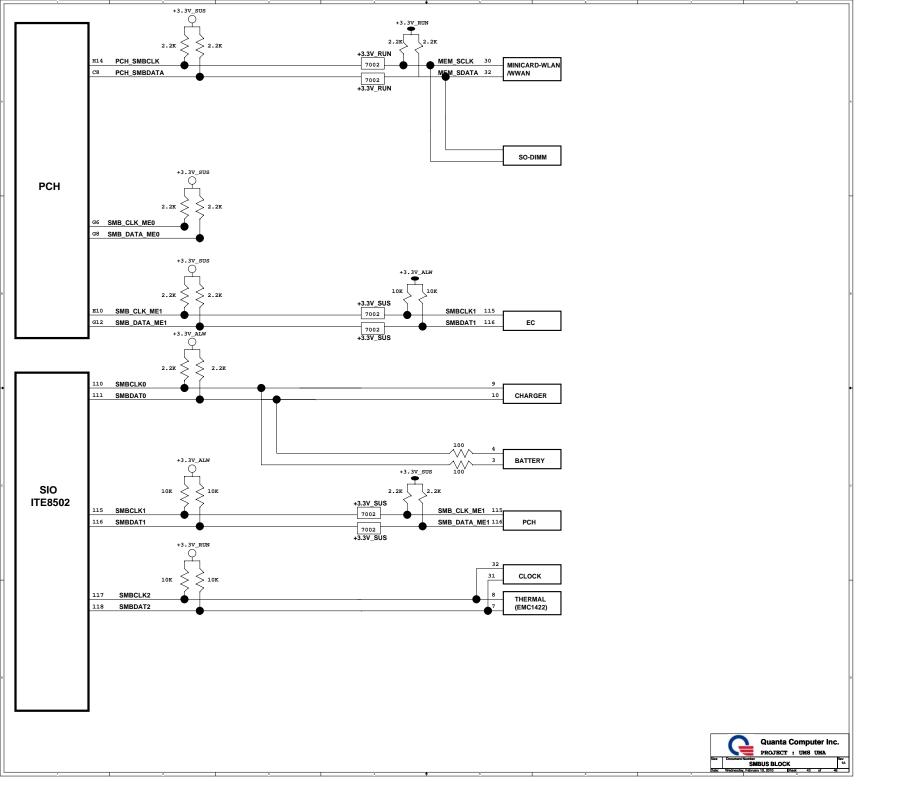




Date: Wednesday, February 10, 2010







## UM8\_ X00 Power On Timing(BATTERY MODE BY SOFTWARE SETUP, W/O ADAPTOR)

