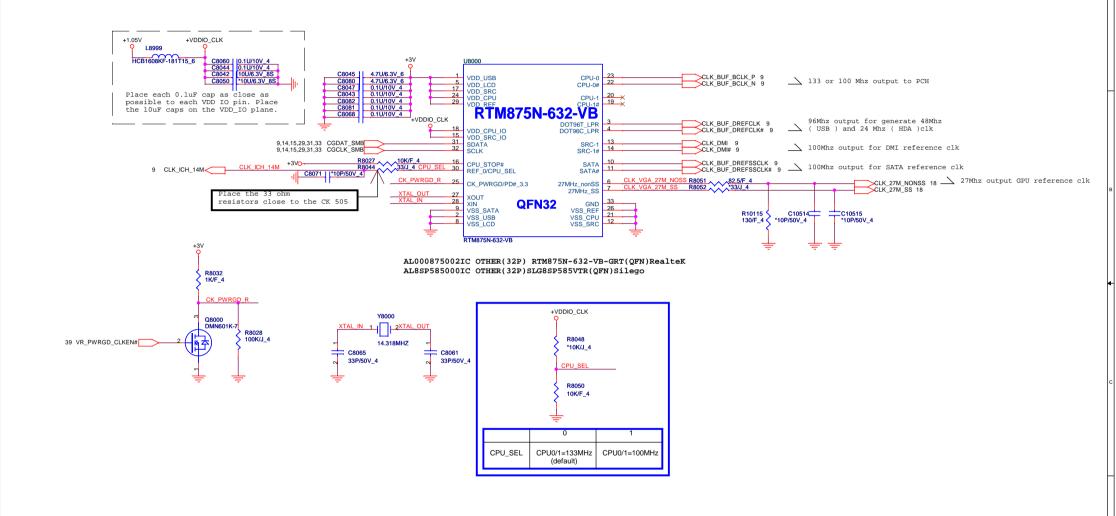


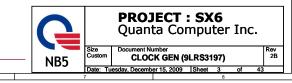
power	+RTC_CELL	+VIN +3VPCU	+3Vs5 +5Vs5	+5vsus +1.5vsus	+5V +3V +1.8V_GFX +1.8V +1.5V +1.5V_CPU +1.1V_VTT +1.05V +1.0V_GFX +VGA_CORE +VCORE	
<b>s</b> 0	ON	ON	ON	ON	ON	
S1	ON	ON	ON	ON	ON	
<b>s</b> 3	ON	ON	ON	ON	OFF	
S4/S5 AC	ON	ON	ON	OFF	OFF	
S4/S5 DC Only	ON	ON	OFF	OFF	OFF	
AC/DC No Exist	ON	OFF	OFF	OFF	OFF	

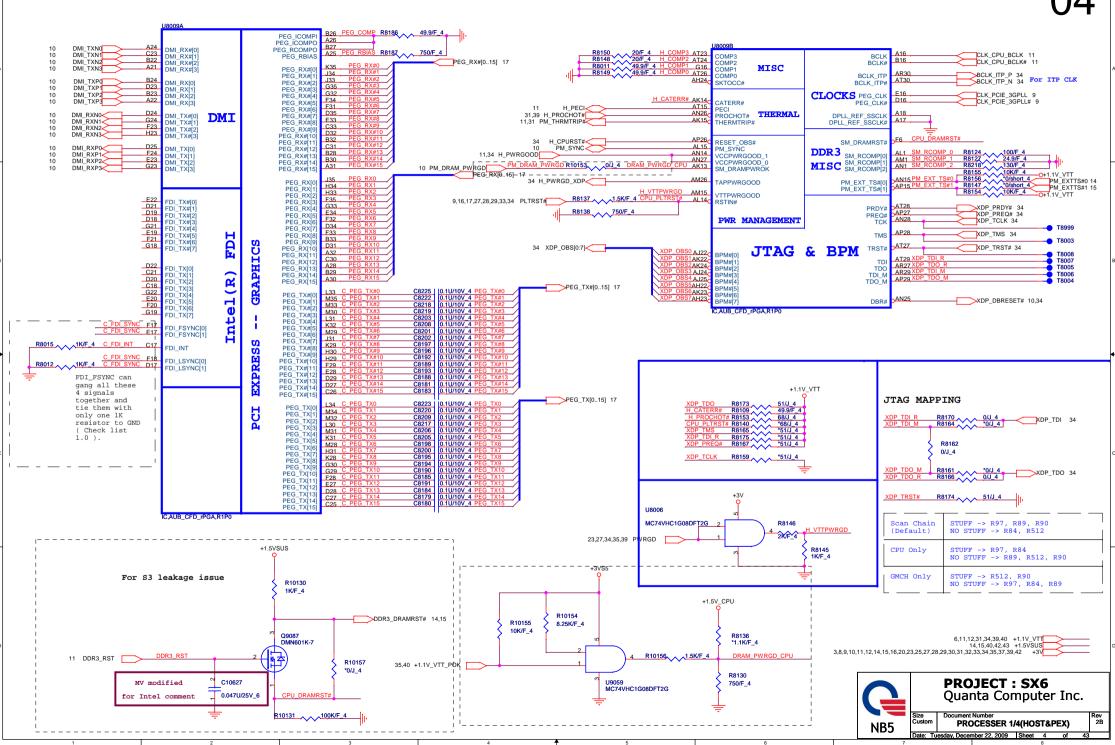
	SOURCE	BATTERY 0x16	CLK GEN 0xD2	Thermal IC 0x98(Write) / 0x99(Read)	G-SENSOR 0x3A(Write) /0x3B(Read)		SO-DIMM DIMM0: 0xA0 DIMM1: 0xA2	SMSC 1098	GPU thermal sensor
SMBCLK SMBDATA	РСН	x	Y	Y	Y	Y	Y	x	x
SMB_CLK_ME1 SMB_DAT_ME1	РСН	x	x	x	Х	x	X	Y	Y
AB1A_CLK AB1A_DATA	SMSC 1098	Y	x	x	x	x	X	x	x

G	PROJECT : SX6 Quanta Computer Inc.
NB5	Size Custom Document Number Power rails Rev 2B
1,155	Date: Tuesday, December 15, 2009 Sheet 2 of 43

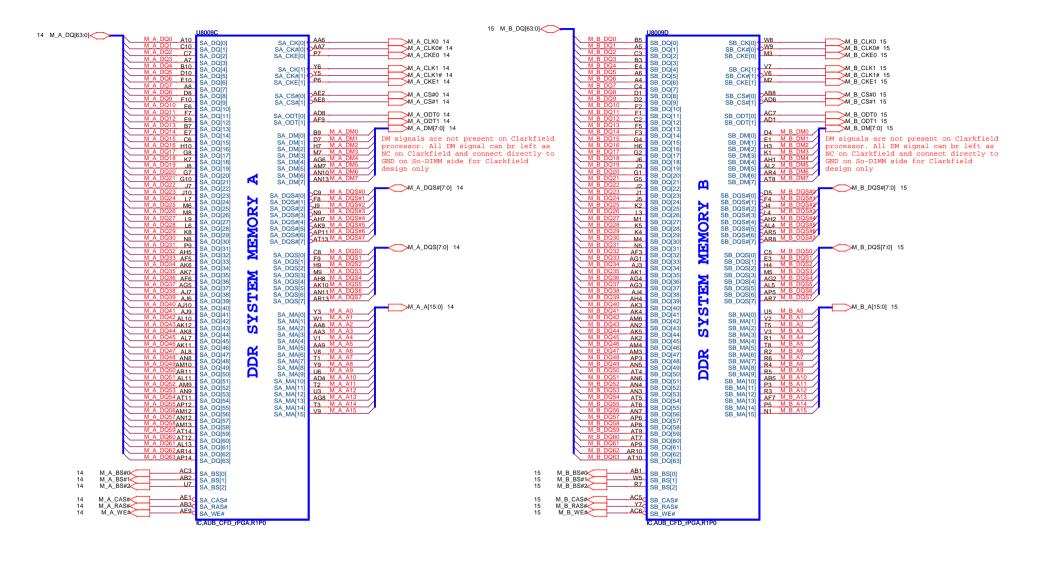


4,8,9,10,11,12,14,15,16,20,23,25,27,28,29,30,31,32,33,34,35,37,39,42 +3V

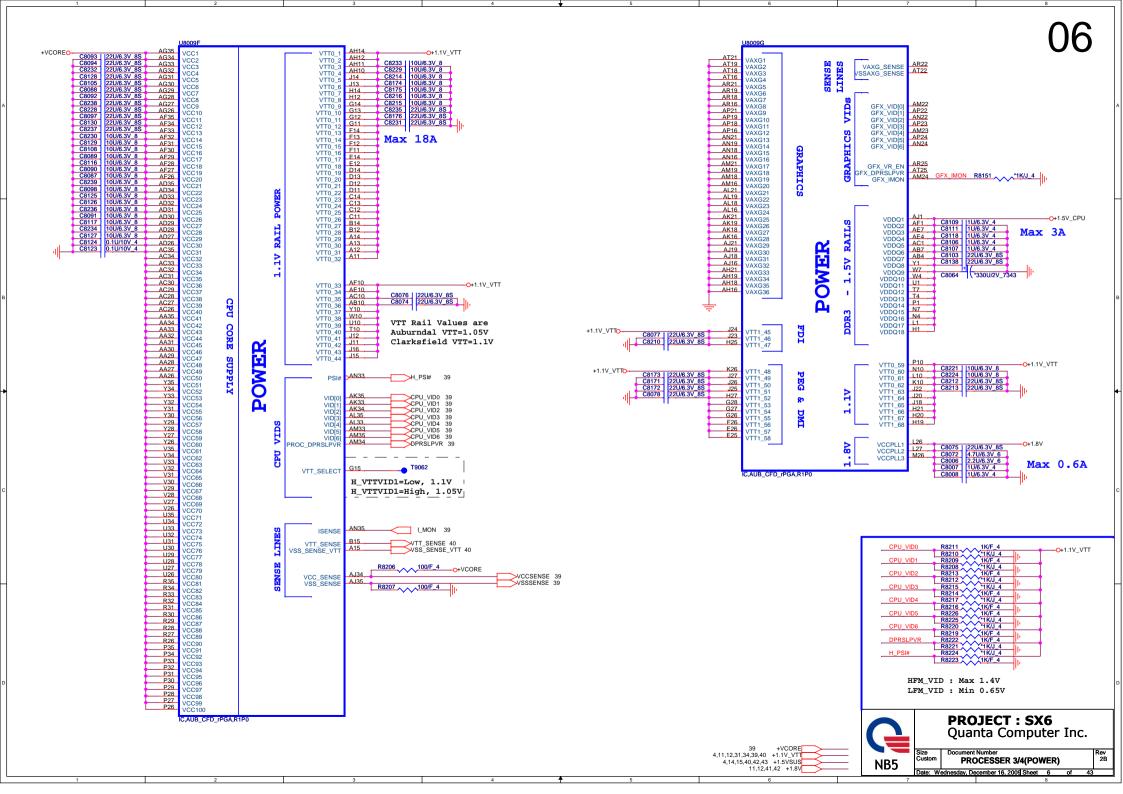




### AUBURNDALE/CLARKSFIELD PROCESSOR (DDR3)





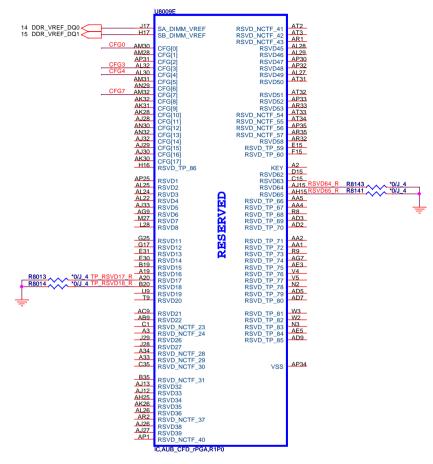


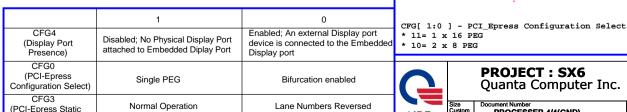
# AUBURNDALE/CLARKSFIELD PROCESSOR (GND)

AT20 AT17 AR31 AR28 AR26 AR24 AR23 AR20 AE34 AE33 VSS81 VSS82 VSS162 VSS163 VSS1 VSS2 VSS3 VSS4 AE32 AE31 VSS164 VSS165 VSS83 .132 VSS84 AF30 .130 VSS85 VSS86 /55166 AF29 J21 VSS6 VSS167 AF28 .110 VSS87 VSS88 VSS168 AE27 H35 VSS169 AR17 AR15 AR12 AE26 AE6 H32 H28 VSS89 VSS90 VSS170 VSS171 AD10 H26 VSS11 VSS12 VSS91 VSS92 VSS172 VSS173 AR9 AC8 H24 AR6 AC4 AC2 H22 H18 VSS93 VSS94 VSS174 VSS175 AP20 AP17 AB35 AB34 H15 VSS95 VSS96 VSS176 VSS177 H13 AP13 AP10 AB33 AB32 H11 VSS17 VSS97 VSS98 VSS178 H8 VSS18 VSS179 AP7 AP4 AB31 AB30 H5 H2 VSS19 VSS20 VSS99 VSS100 VSS180 VSS181 AP2 AN34 AB29 AB28 G34 G31 VSS10 VSS182 VSS22 VSS10: VSS183 AN31 AN23 AB27 G20 G9 VSS103 VSS104 VSS184 VSS185 AB26 AN20 AN17 AM29 AM27 AB6 G6 G3 VSS25 VSS26 VSS10 VSS186 AA10 VSS10 VSS187 F30 F27 VSS27 VSS28 VSS188 VSS189 VSS107 Y4 VSS10 AM25 AM20 F25 F22 VSS190 W35 VSS30 VSS11 VSS191 AM17 AM14 F19 F16 VSS31 VSS32 VSS11 VSS192 W33 VSS11 VSS193 AM14 AM11 AM8 AM5 W32 E35 E32 VSS11 VSS194 W31 VSS34 VSS11 VSS195 W30 E29 VSS35 VSS36 VSS196 AM2 W29 F24 VSS11 VSS197 AL34 AL31 E21 E18 VSS11 VSS W27 **/SS38** VSS199 AL23 AL20 E13 E11 VSS39 VSS40 VSS200 W6 VSS12 VSS201 AL17 AL12 V10 E8 E5 VSS12 118 VSS42 VSS12 VSS203 VSS43 VSS44 SS204 AI 6 112 D33 VSS12 AL3 AK29 D30 D26 VSS12 /SS206 T34 VSS46 VSS12 VSS207 AK27 AK25 VSS47 VSS48 SS208 T32 DE VSS12 VSS209 AK25 AK20 AK17 AJ31 D3 C34 VSS129 SS210 T30 VSS13 VSS211 C32 A.J23 T28 C29 VSS132 AJ20 AJ17 C28 C24 VSS133 VSS214 T26 VSS13 VSS215 AJ14 AJ14 AJ11 AJ8 R10 C20 VSS13 VSS217 VSS137 /SS218 AJ5 AJ2 AH35 C16 VSS13 VSS219 N35 B25 VSS60 VSS14 AH34 AH33 B21 B18 N34 VSS141 VSS222 N33 VSS142 VSS143 199223 AH32 AH31 N32 SS224 N31 B13 VSS64 VSS144 VSS225 AH31 AH30 AH29 AH28 AH27 N30 B11 VSS145 N29 VSS66 VSS14 VSS227 VSS147 SS228 N27 R/ VSS148 VSS149 AH26 AH20 **/SS68** A29 A27 A23 155220 VSS230 VSS150 VSS151 /SS70 /99231 AH17 AH13 AH9 M10 SS232 1.35 VSS72 VSS15 /SS233 VSS15 AH6 AH3 129 /SS74 VSS15 AT1 T9056 T9057 VSS15 VSS\_NCTF2 VSS\_NCTF3 AG10 AF8 AF4 ΔP3/ VSS76 VSS15 B34 B2 B1 A35 T9058 T9059 VSS77 VSS157 VSS\_NCTF4 K34 VSS158 VSS159 VSS\_NCTF5 VSS\_NCTF6 K33 T9060 AE35 VSS\_NCTF7

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.

## AUBURNDALE/CLARKSFIELD PROCESSOR( RESERVED, CFG)





Lane Reversal)

15 -> 0, 14 -> 1

\* 11= 1 x 16 PEG \* 10= 2 x 8 PEG

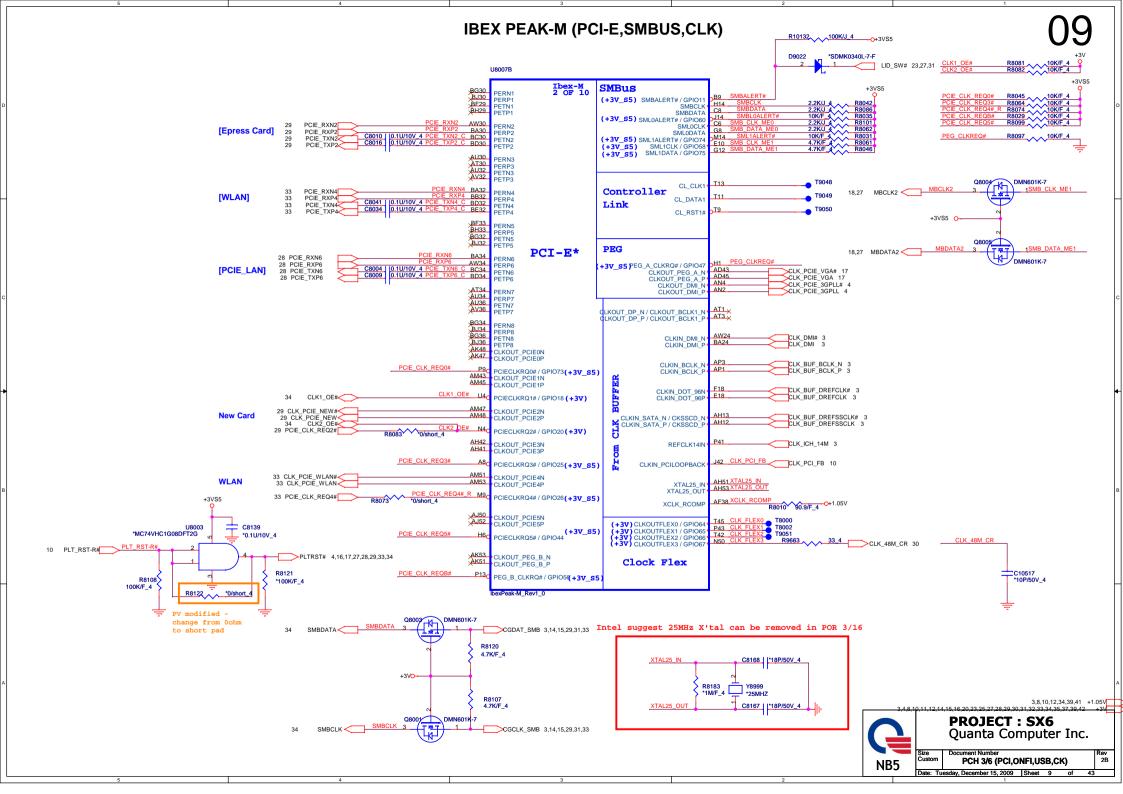
0 R8160 \*3.01K/F 4 3 R8152 3.01K/F 4 4 R8157 \*3.01K/F 4 7 R8158 \*3.01K/F 4

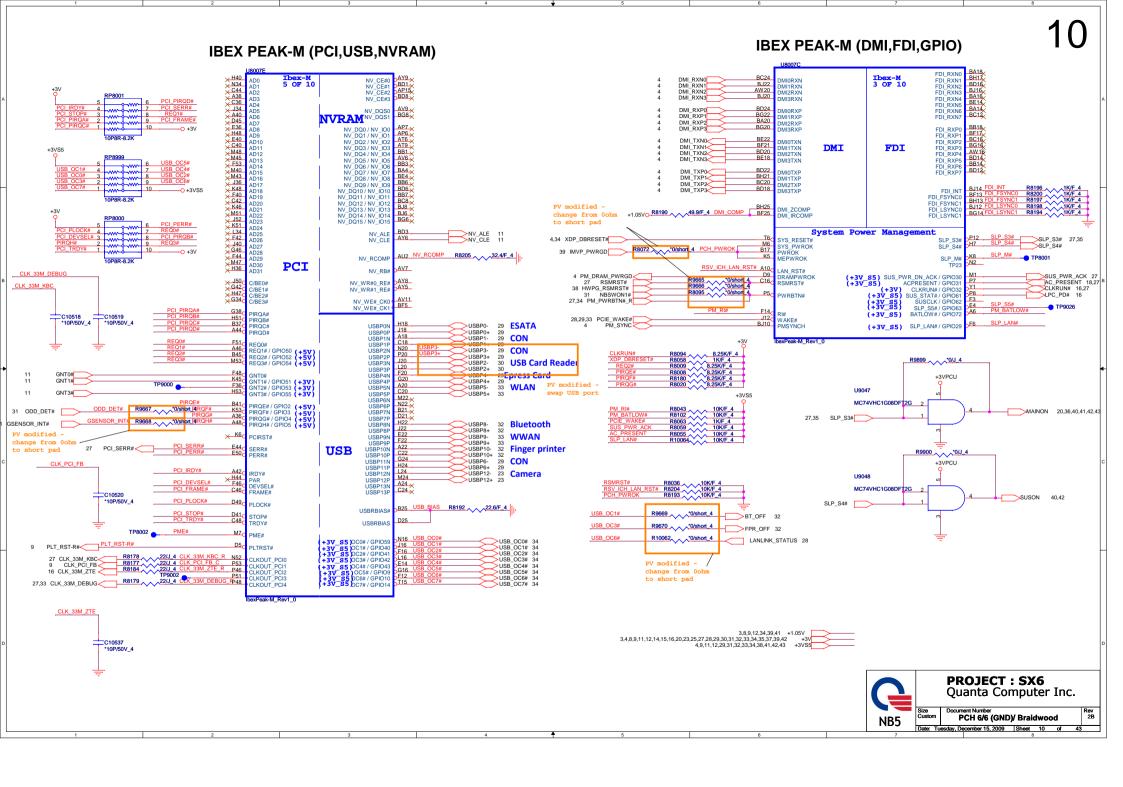


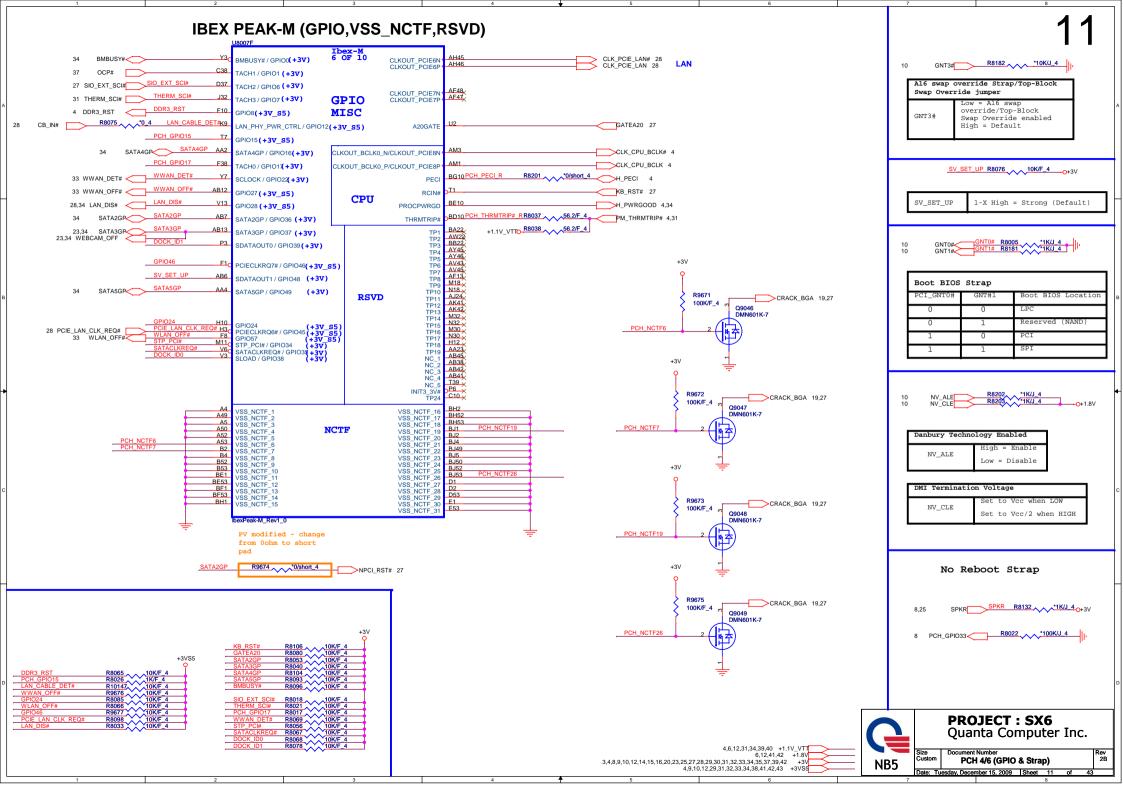
**PROJECT: SX6** Quanta Computer Inc.

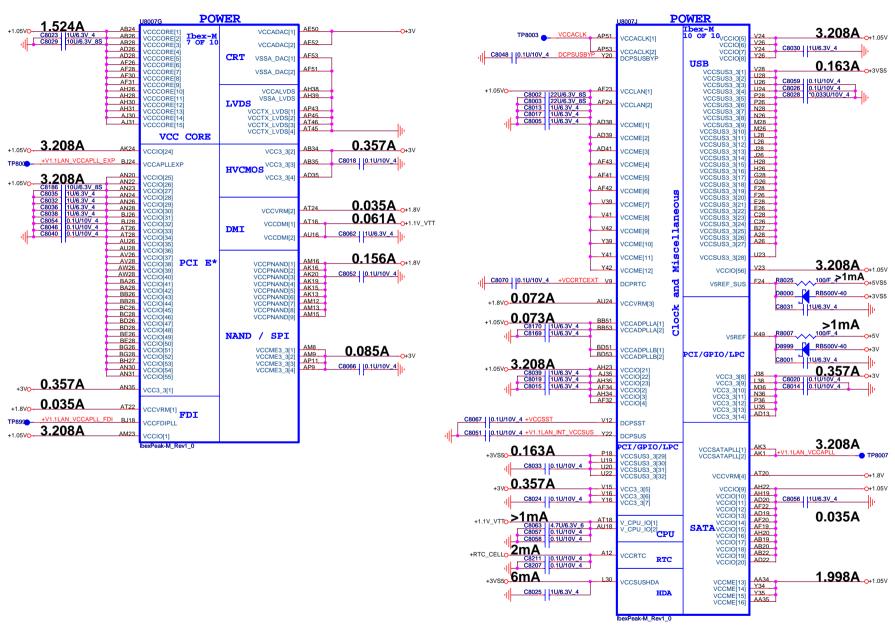
Rev 2B

PROCESSER 4/4(GND)







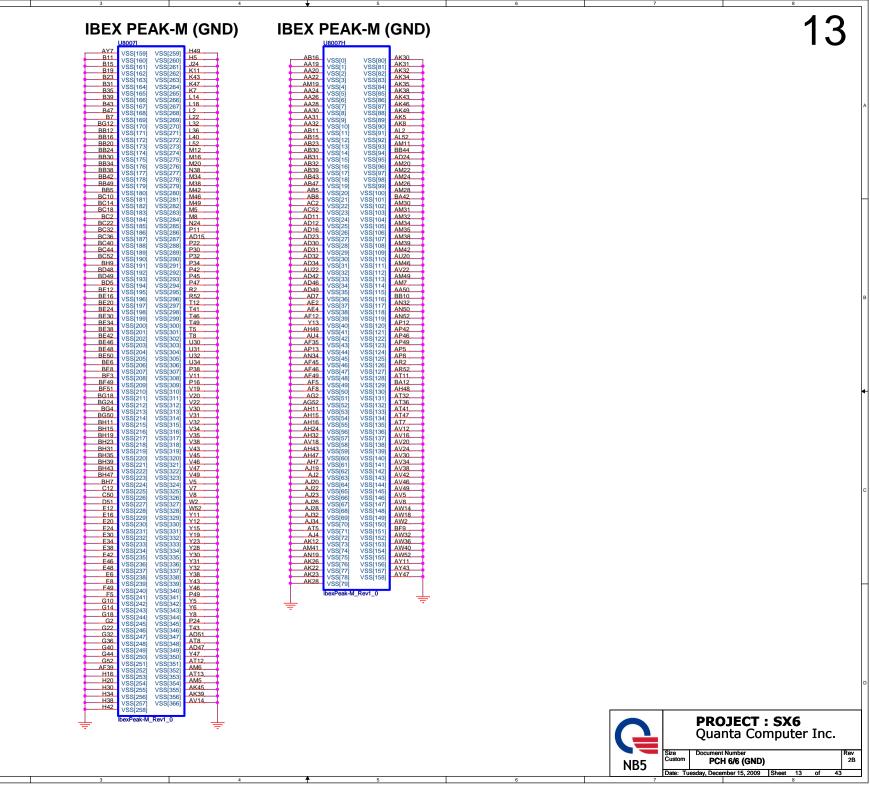


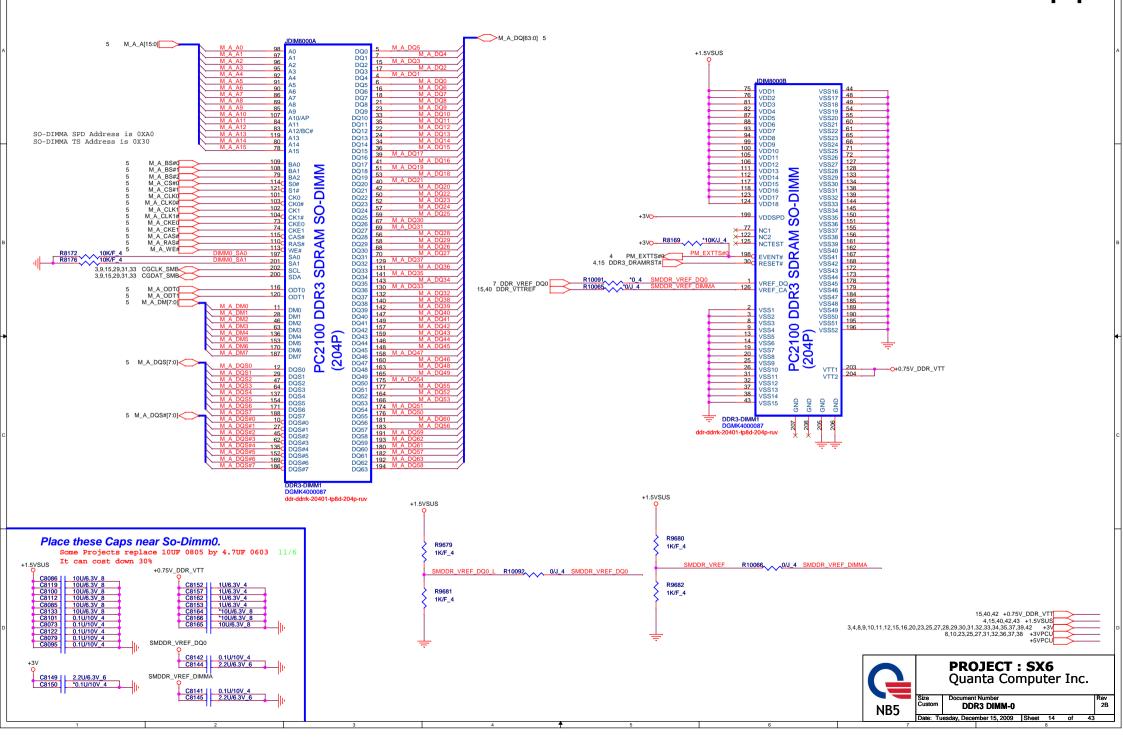
3.8.9.10.34.39.41 +1.05V 4.6.11.31.34.39.40 +1.1V\_VTT 6.11.41.42 +1.8V 3.4.8.9.10.11.14.15,16.20.23.25,27,28.29.30,31.32.33.34.38.31.39.42 +3V 4.9.10.11.29.31.32.33.34.38.41.42.43 +3VSS 20.23.24.25.31.32.33.37.42 +5V 23.35.36,37,38,40.42 +5VSS

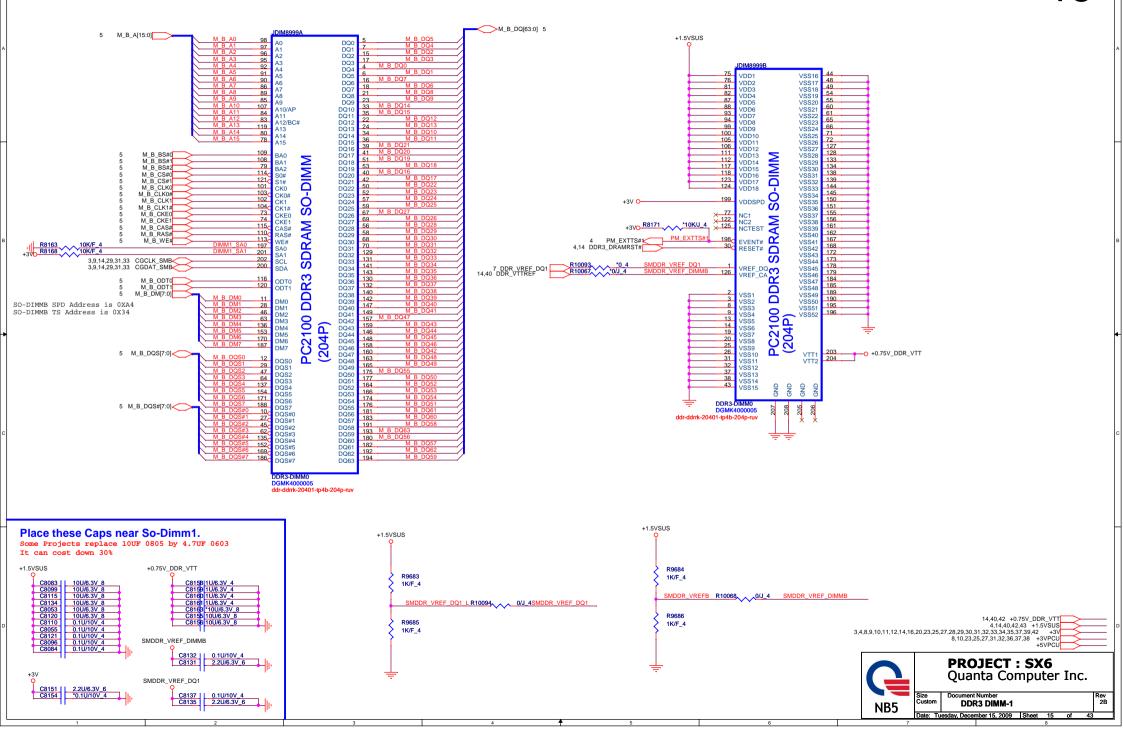
PROJECT : SX6
Quanta Computer Inc.

Size
Custom
PCH 5/6 (POWER)

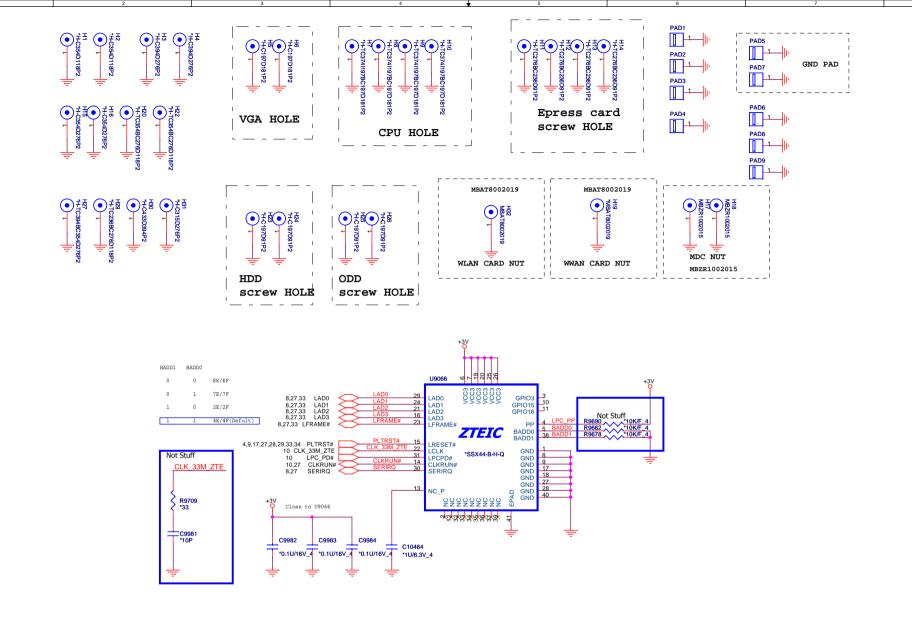
Rev
28



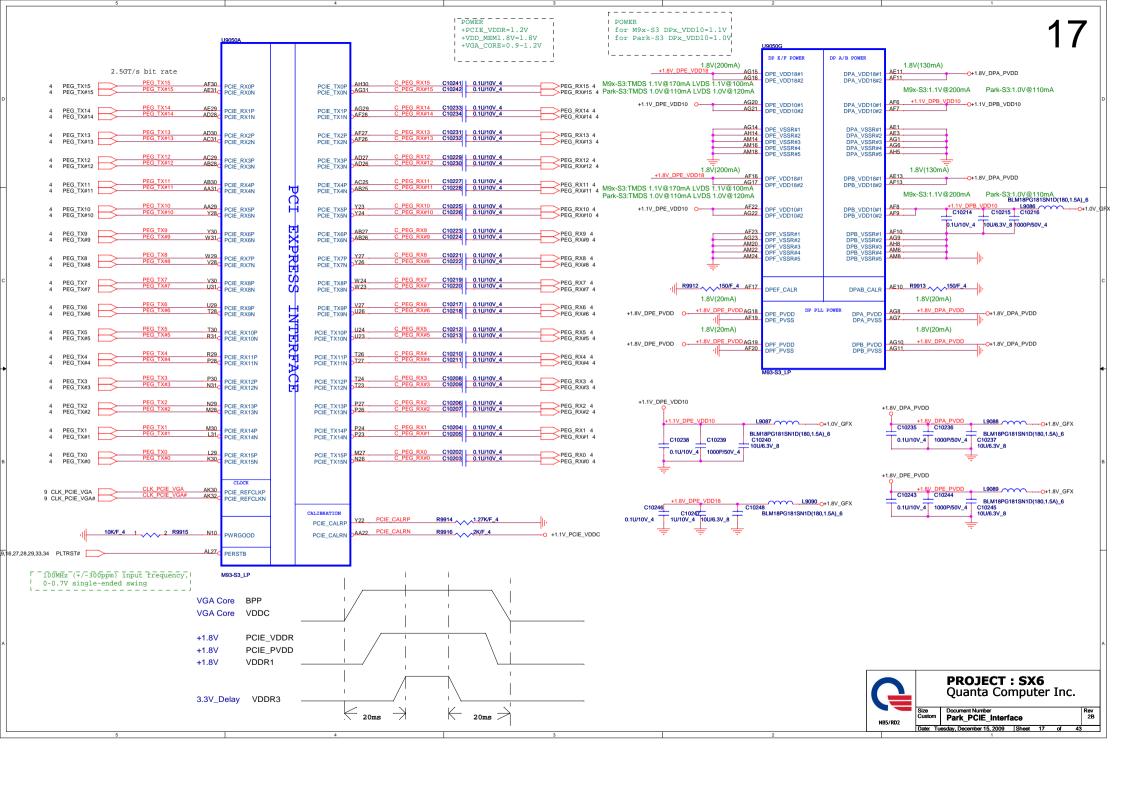


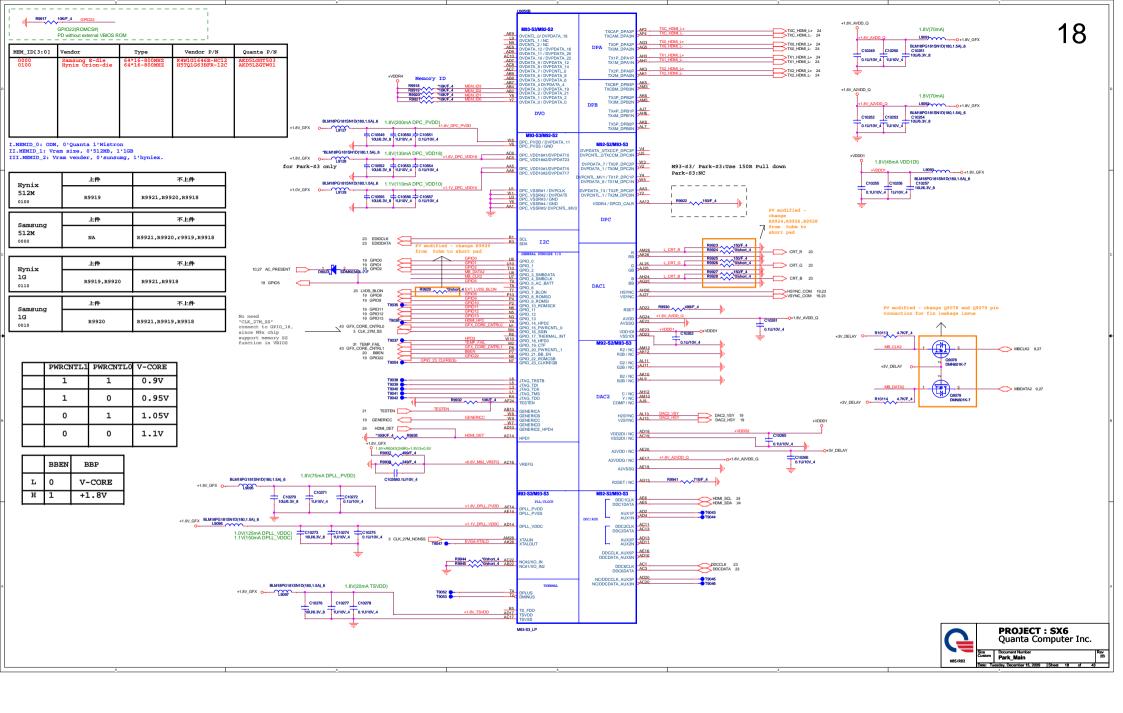


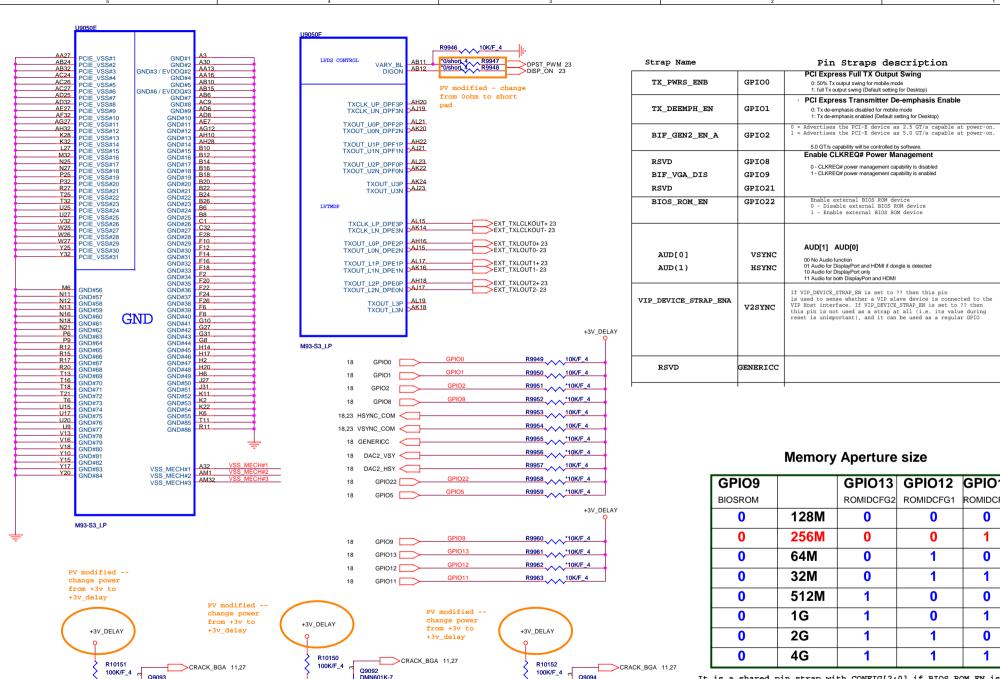












DMN601K-7

DMN601K-7

VSS\_MECH#2

# GPI012 GPI011 ROMIDCEG

It is a shared pin strap with CONFIG[2:0] if BIOS\_ROM\_EN is set to 0.



Date: Tuesday, December 15, 2009 | Sheet 19

Default Value

1

1

1

0

0

0

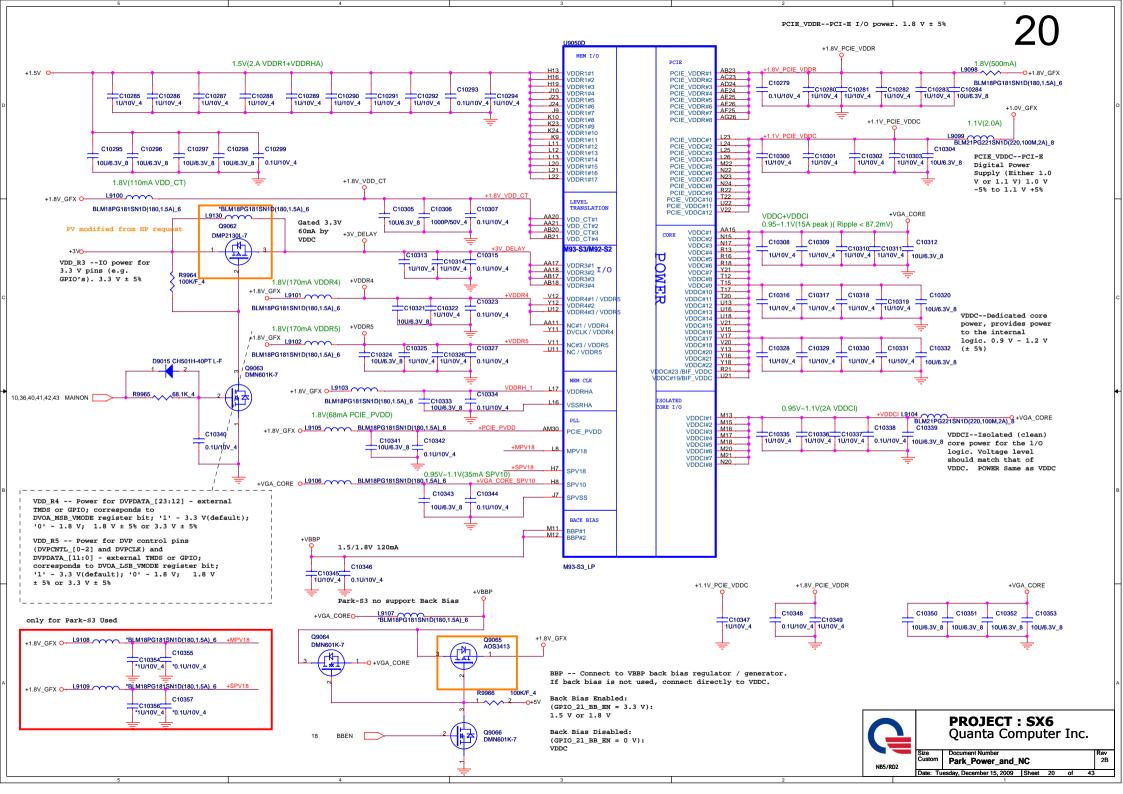
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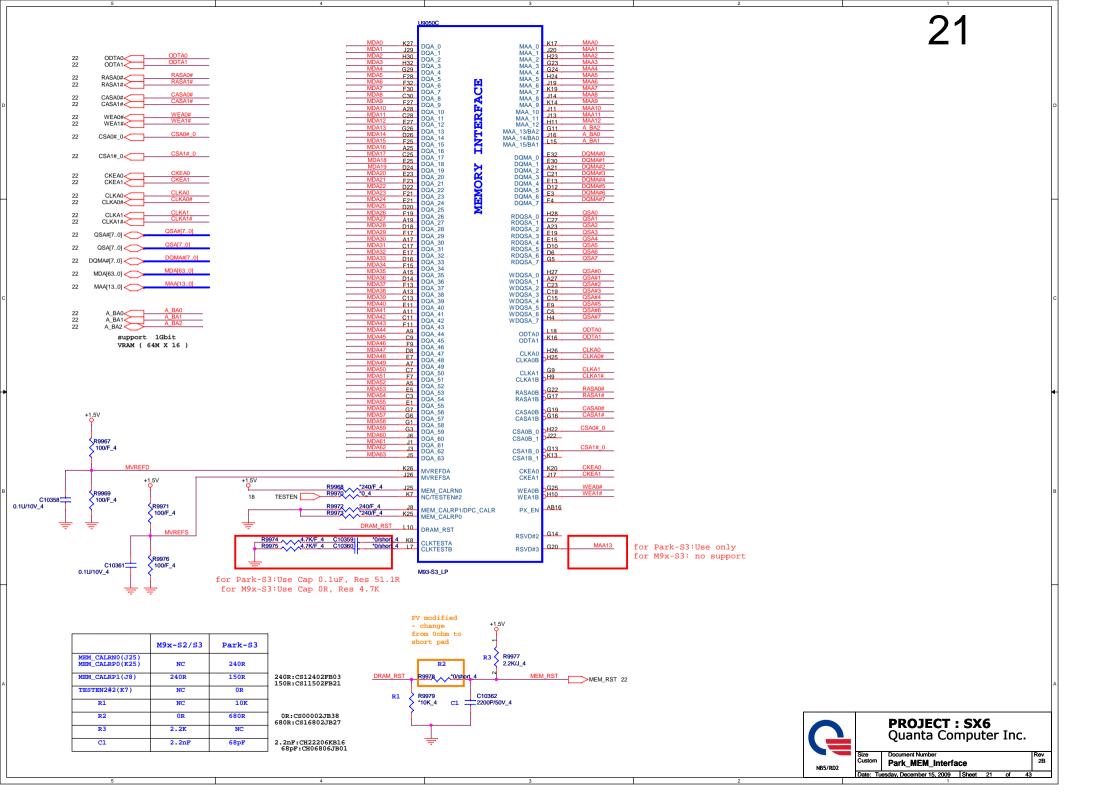
1

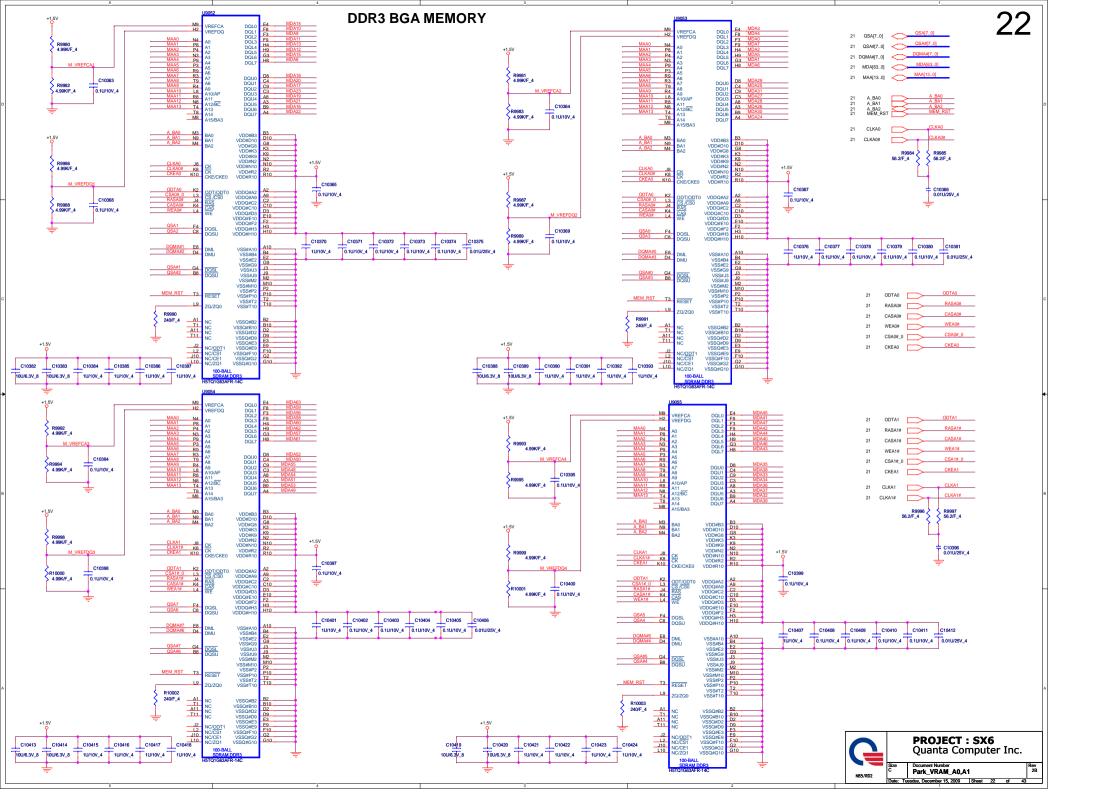
1

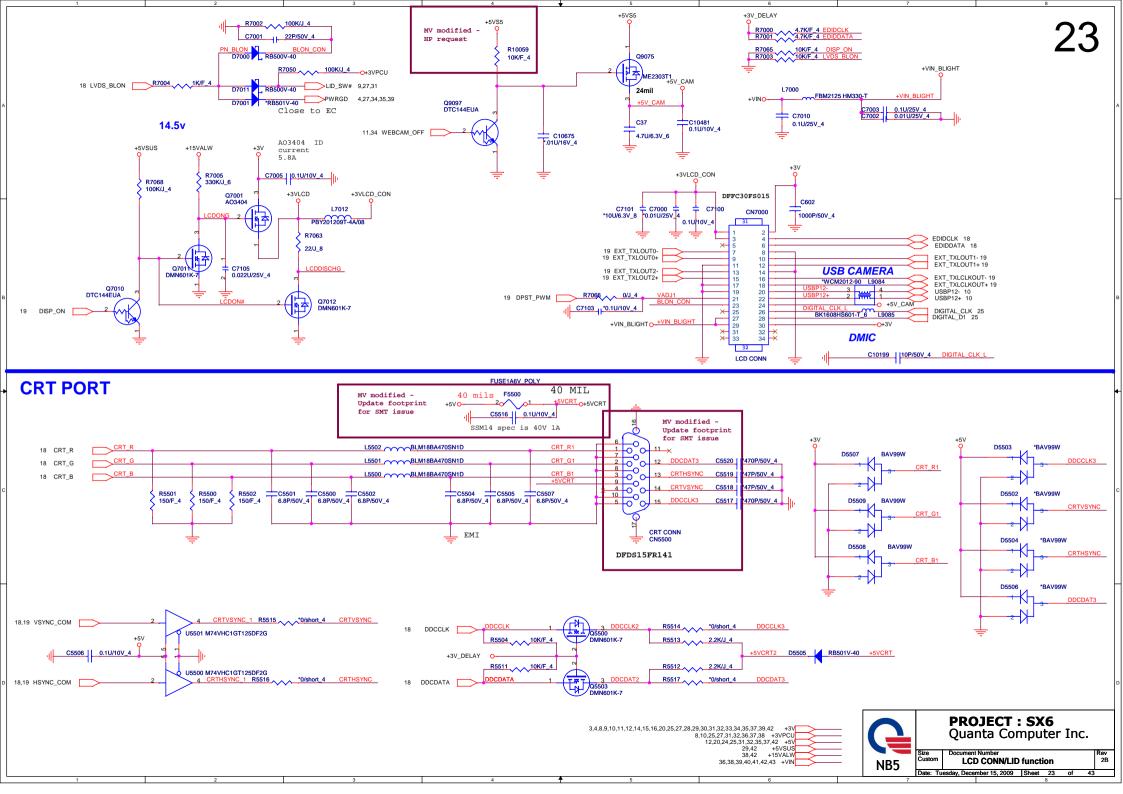
0

0

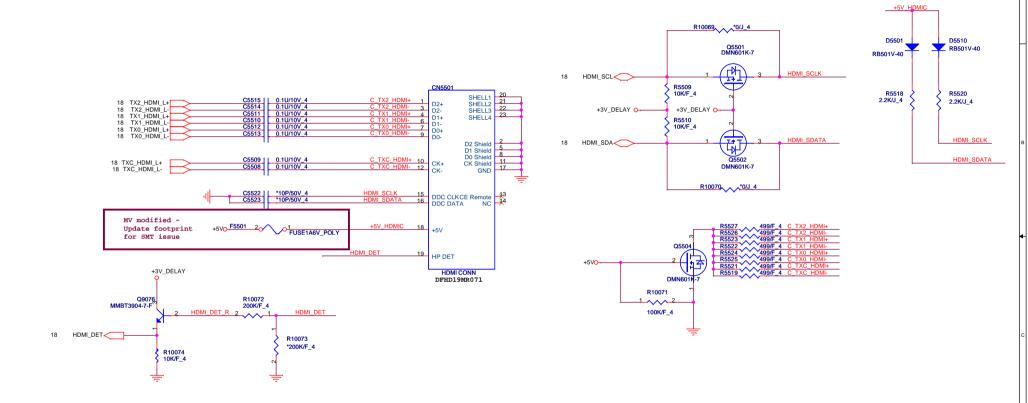




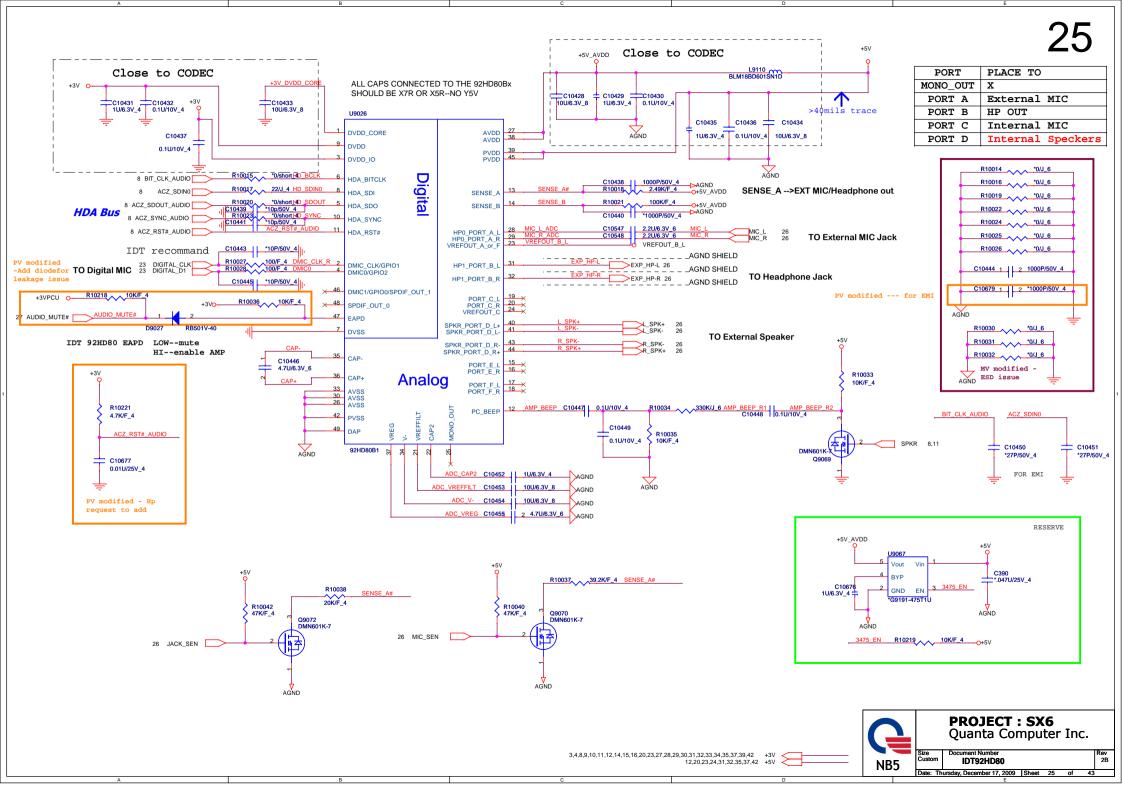




HDMI PORT 24

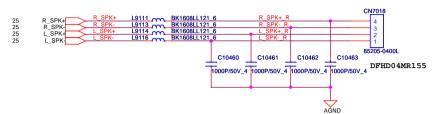






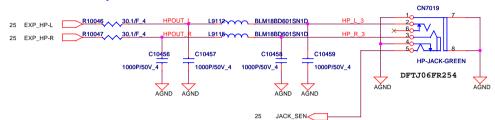
Note: JACK\_SEN# is electrically floating when no jack is inserted and shorted to ground when jack is present.

#### INT. SPEAKER

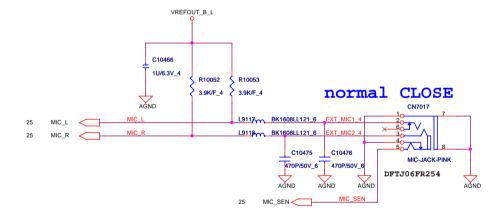


#### Headphone Jack

#### normal CLOSE



#### **EXT Mic Jack**



Note: MIC\_SEN# is electrically floating when no jack is inserted and shorted to ground when jack is present.

