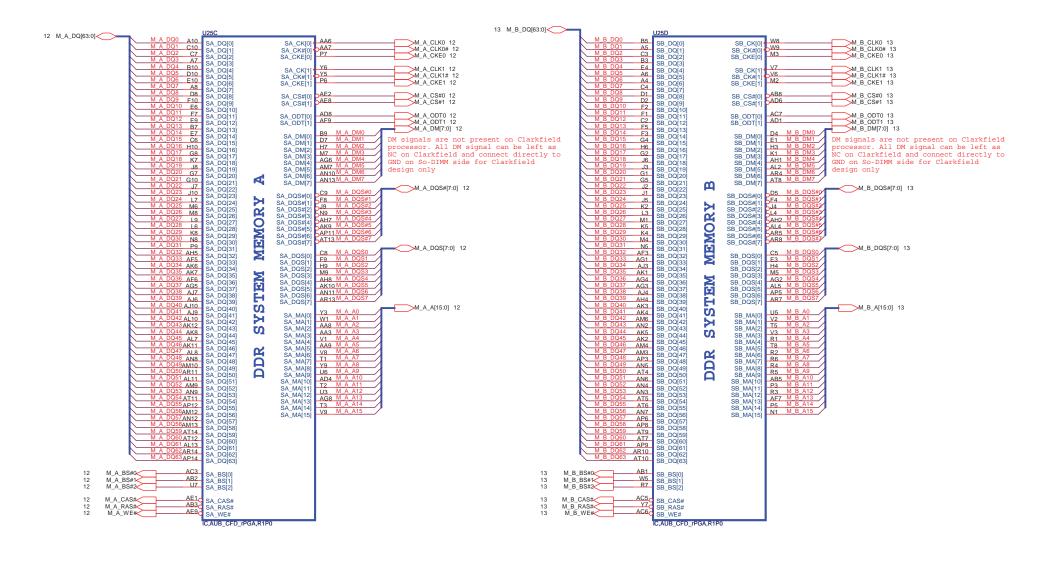
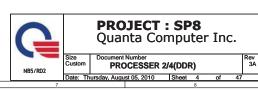
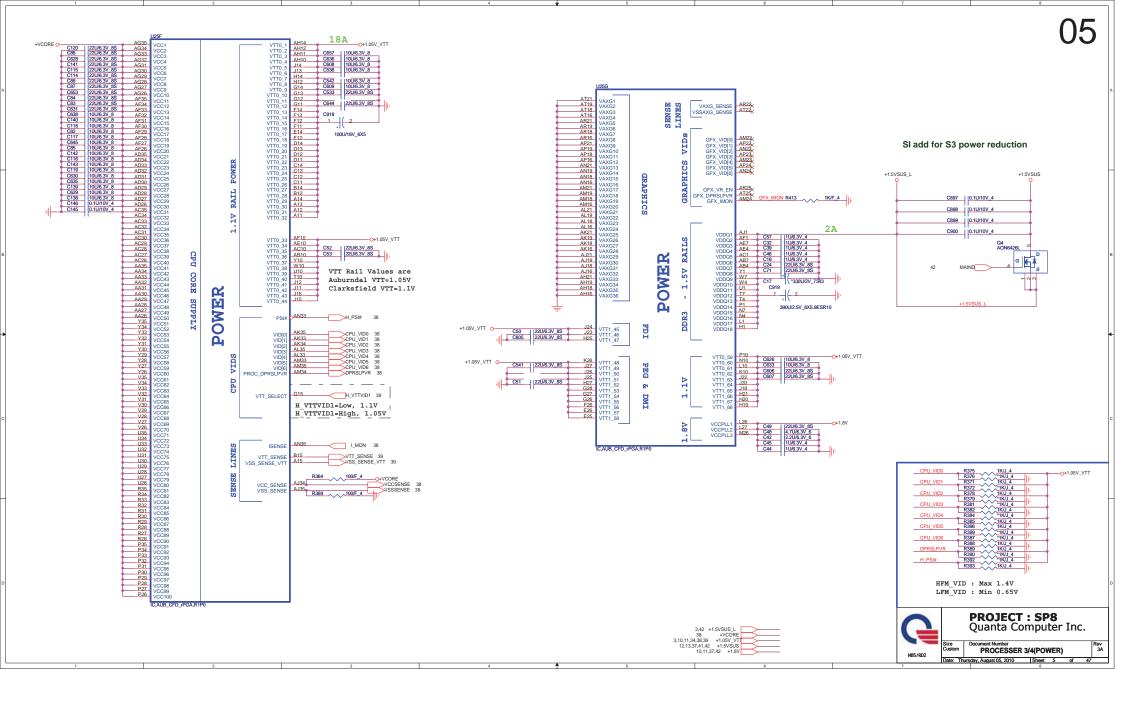


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AUBURNDALE/CLARKSFIELD PROCESSOR (DDR3)

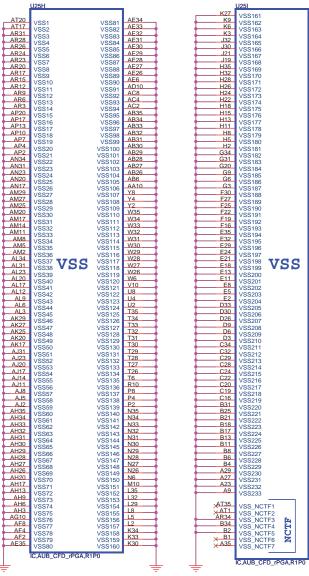






AUBURNDALE/CLARKSFIELD PROCESSOR (GND)

AUBURNDALE/CLARKSFIELD PROCESSOR(RESERVED, CFG)



12 DDR_VREF_DQ0 < SA_DIMM_VREF SB_DIMM_VREF RSVD_NCTF_41 RSVD_NCTF_42 13 DDR_VREF_DQ1 < H17 AR1 AL28 AL29 AP30 AP32 AL27 RSVD_NCTF_43 AM30 RSVD45 AM28 AP31 RSVD46 RSVD47 AL32 AL30 RSVD48 CFGI4 RSVD49 AM31 AT31 AN29 CEGIA AT32 AP33 AR33 AT33 AM32 AK32 RSVD52 AK31 AK28 RSVD53 RSVD_NCTF_54 CFGi10 AT34, AP35, AR35, AR32, E15, F15, AJ28 AN30 RSVD_NCTF_54 RSVD_NCTF_55 RSVD_NCTF_56 RSVD_NCTF_57 RSVD58 CFG[11 CFGI12 CFG[13] AJ32 AJ29 AJ30 RSVD_TP_59 CFG[15] CFG[16] RSVD_TP_60 AK30 H16 CFG[17] RSVD_TP_86 A2 V KEY D15 × RSVD62 AP25 RSVD1 RSVD63 AL25 AL24 AL22 AJ33 AJ15 RSVD64 AH15 RSVD3 RSVD65 RESERVED AA5 × AA4 × R8 × AD3 RSVD4 RSVD_TP_66 RSVD5 RSVD TP 67 AG9 M27 RSVD7 RSVD TP 69 L28 AD2 RSVD_TP_70 AA2 AA1 R9 AG7 RSVD_TP_71 RSVD_TP_72 RSVD_TP_73 RSVD11 G17 RSVD12 RSVD13 E30 RSVD14 RSVD TP 74 AE3 A19 V4 RSVD16 RSVD TP 76 V5 N2 AD5 AD7 A20 B20 RSVD_TP_78 RSVD18 U9 T9 RSVD20 RSVD_TP_80 RSVD TP 81 RSVD21 AB9 C1 W2 N3 RSVD22 RSVD NCTF 23 RSVD_TP_82 RSVD_TP_83 ___A3 __J29 AE5 AD9 RSVD_NCTF_24 RSVD26 J28 A34 RSVD_NCTF_28 A33 C35 RSVD_NCTF_29 RSVD_NCTF_30 AP34 VSS B35 RSVD_NCTF_31 AJ13 AJ12 RSVD33 AH25 AK26 AL26 RSVD35 RSVD36 AR2 RSVD_NCTF_37 RSVD38 A.J27 RSVD39 RSVD_NCTF_40 IC,AUB_CFD_rPGA,R1P0

CFG4 Enabled; An external Display port Disabled; No Physical Display Port (Display Port device is connected to the Embedded attached to Embedded Diplay Port Presence) Display port CFG0 (PCI-Epress Single PEG Bifurcation enabled Configuration Select)

CFG[1:0] - PCI Epress Configuration Select * 11= 1 x 16 PEG

* 10= 2 x 8 PEG

For Discrete only

CFG0 R129 *3.01K_NC
CFG3 R126 3.01K/F 4
CFG4 R122 *3.01K/NC
CFG7 R131 *3.01K/F_4



PROJECT: SP8 Quanta Computer Inc.

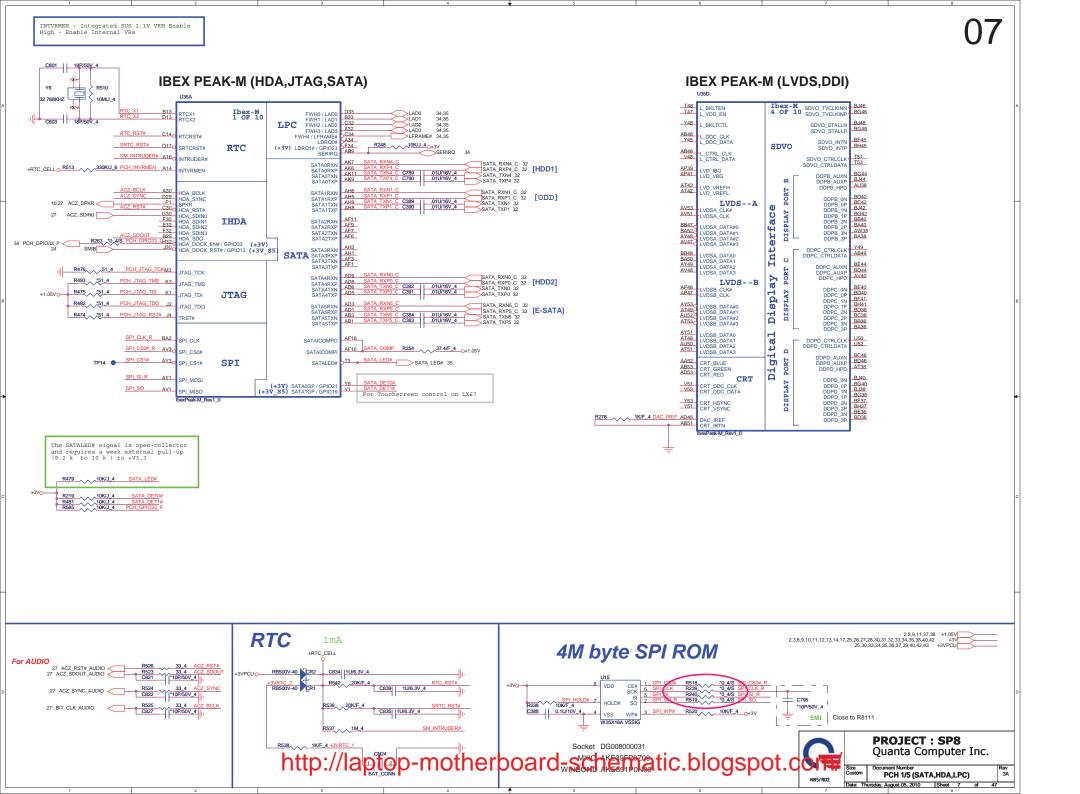
http://laptop-motherboard-schematic.blogspot.com/ Document Number PROCESSER 4/4 (GND)

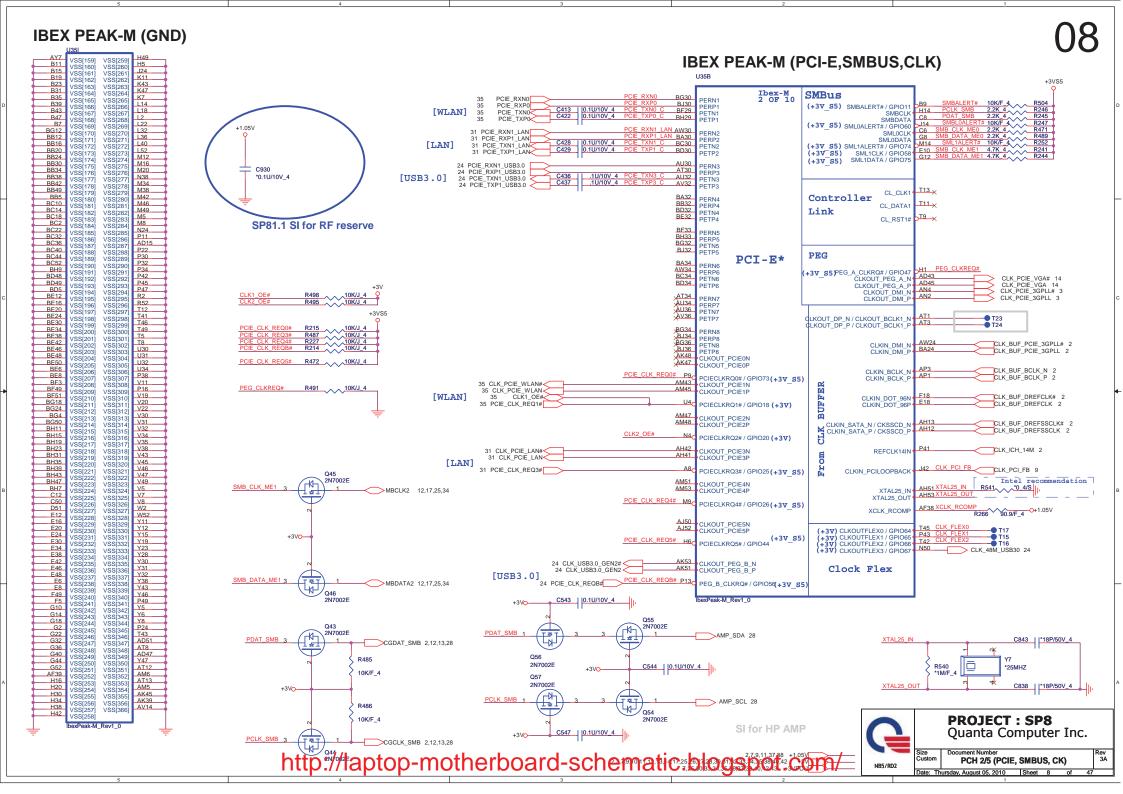
The Clarkfield processor's PCI Express interface may not meet PCI Express 2.0 jitter specifications. Intel recommends placing a 3.01K +/- 5% pull down resistor to

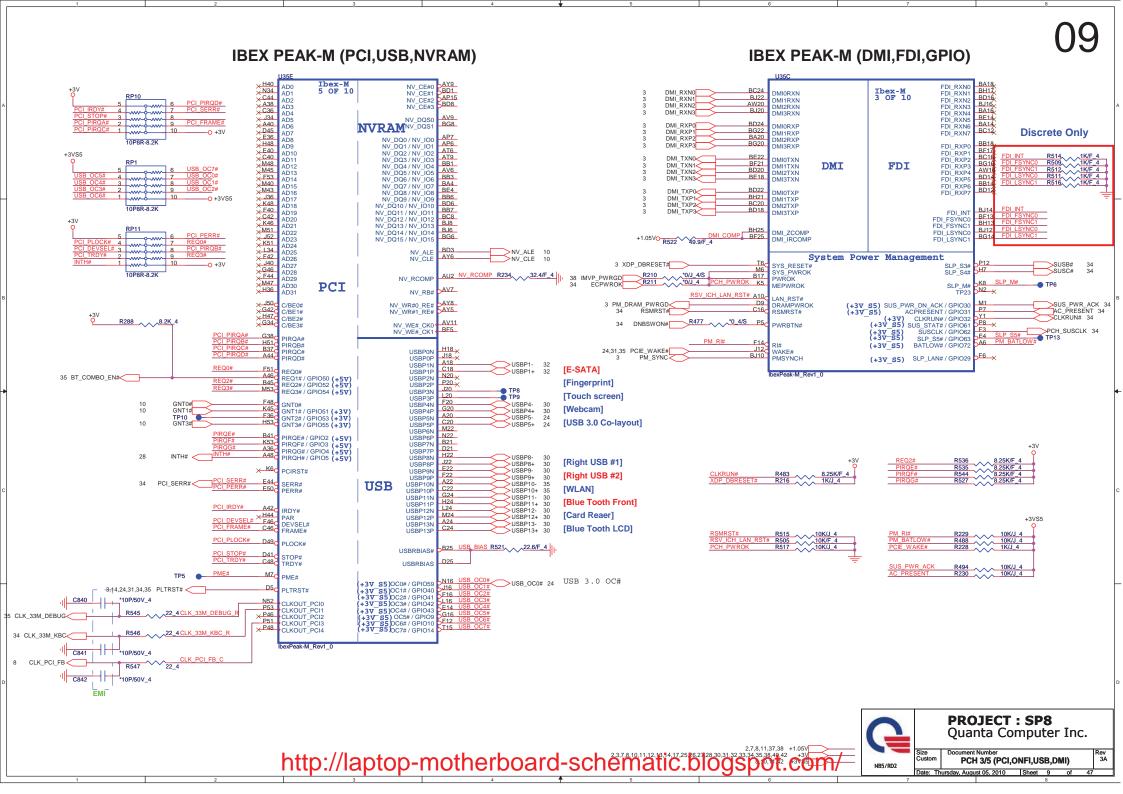
Rev 3A

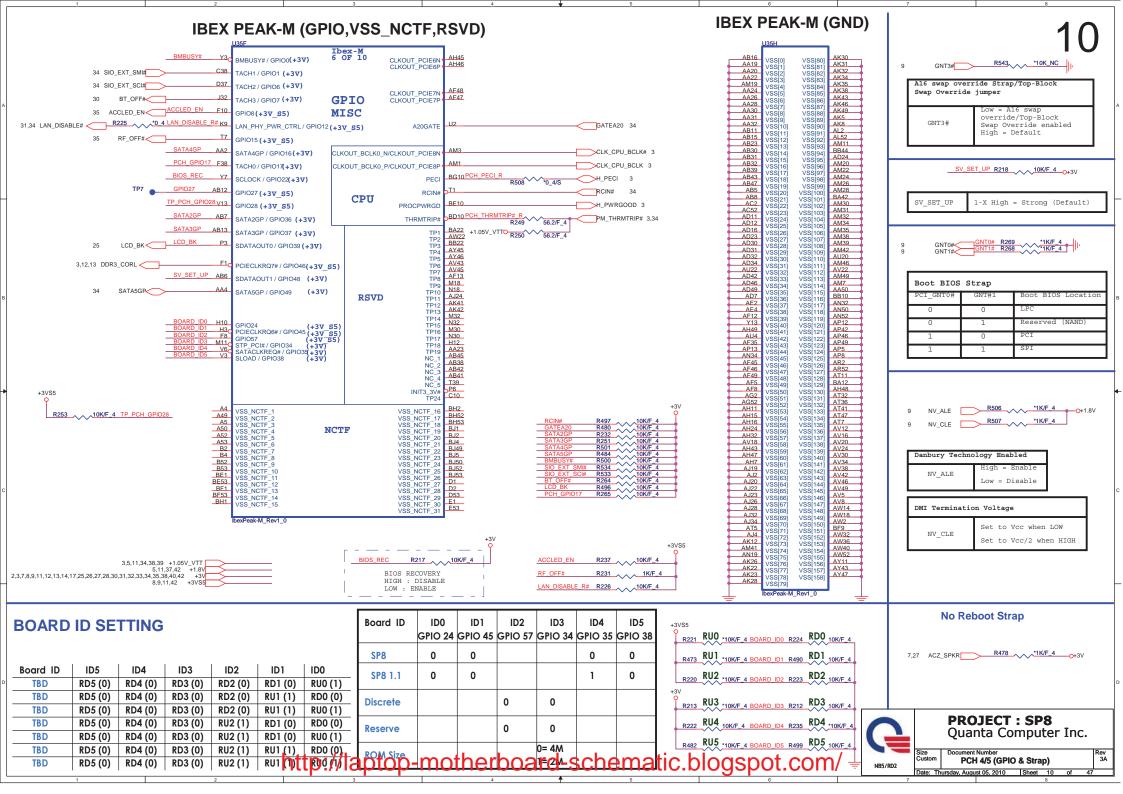
VSS on CFG[7] pin for both rPGA and BGA components.

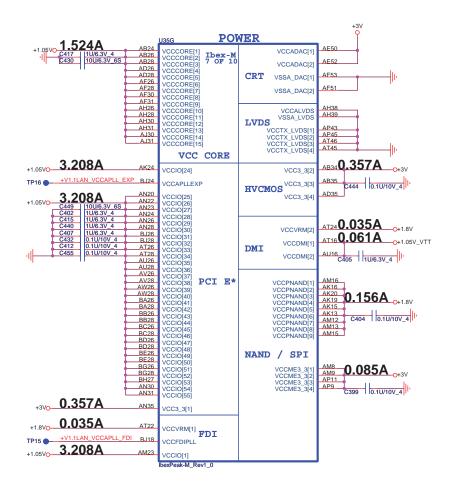
This pull down resistor should be removed when this issue is fixed

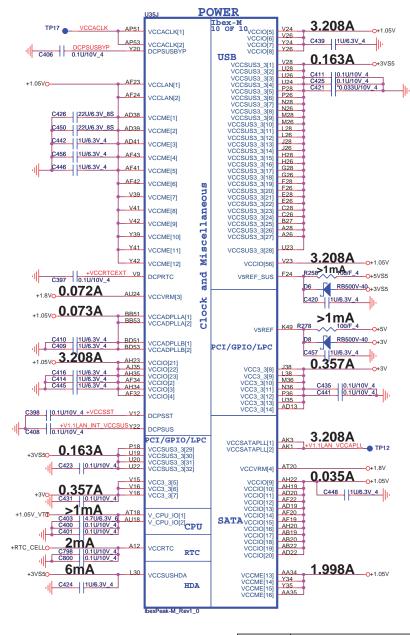








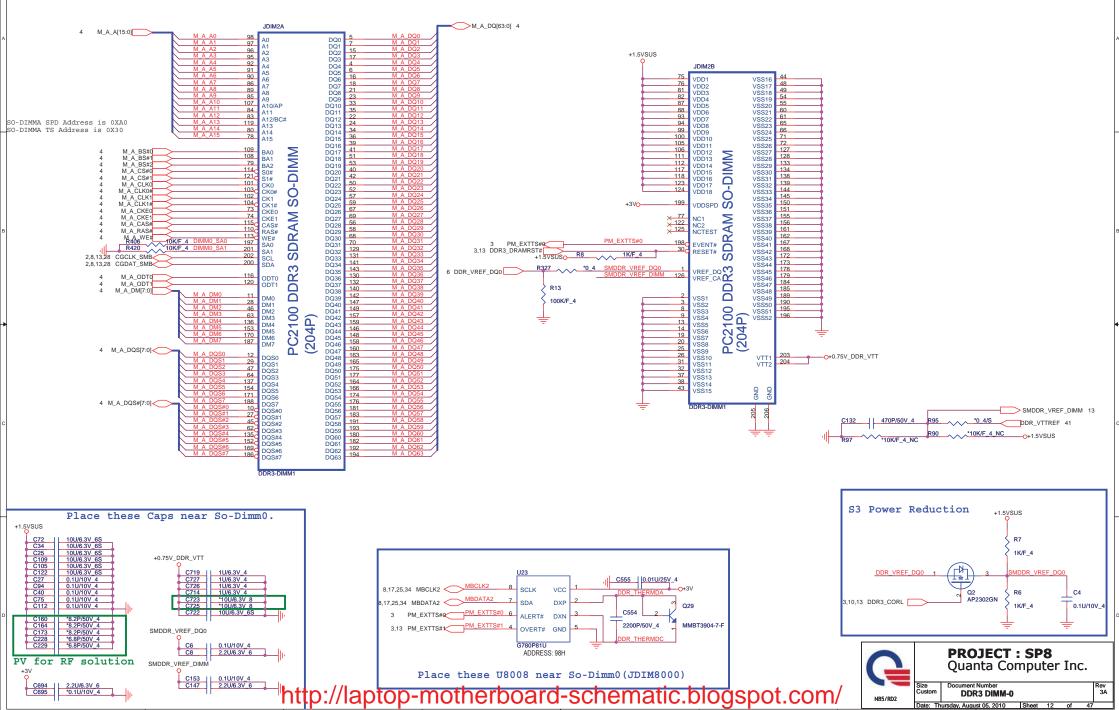


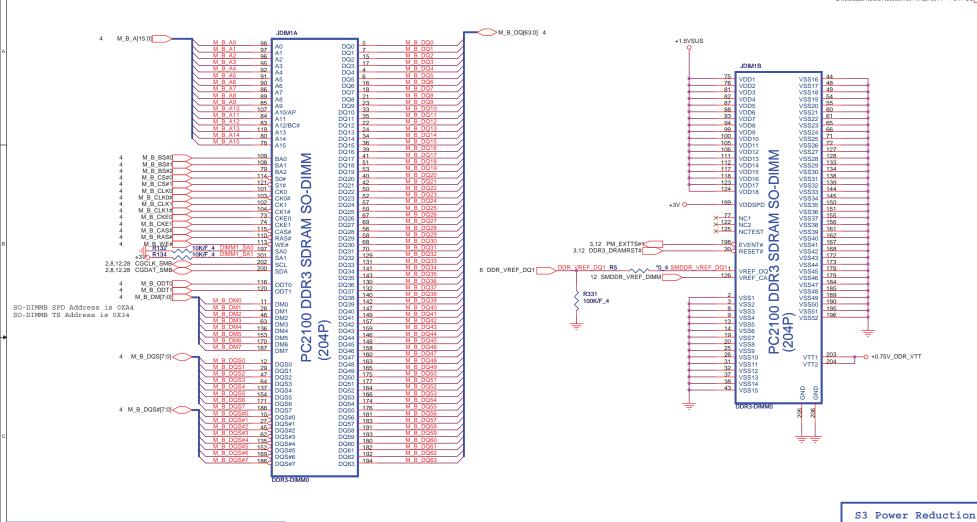


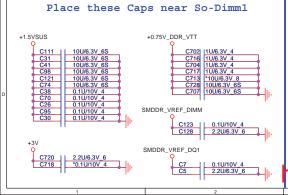
2,7,8,9,37,88 +1.05V 15T 3,5,10,34,38,39 +1.05V 15T 5,10,37,42 +1.8V 15,10,37,42 +1.

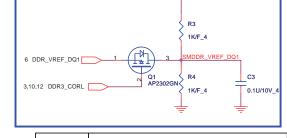
PROJECT : SP8
Quanta Computer Inc.

| Size | Document Number | PCH 5/5 (POWER) | Rev 3A |
| Date: Thursday, August 05, 2010 | Sheet 11 of 47

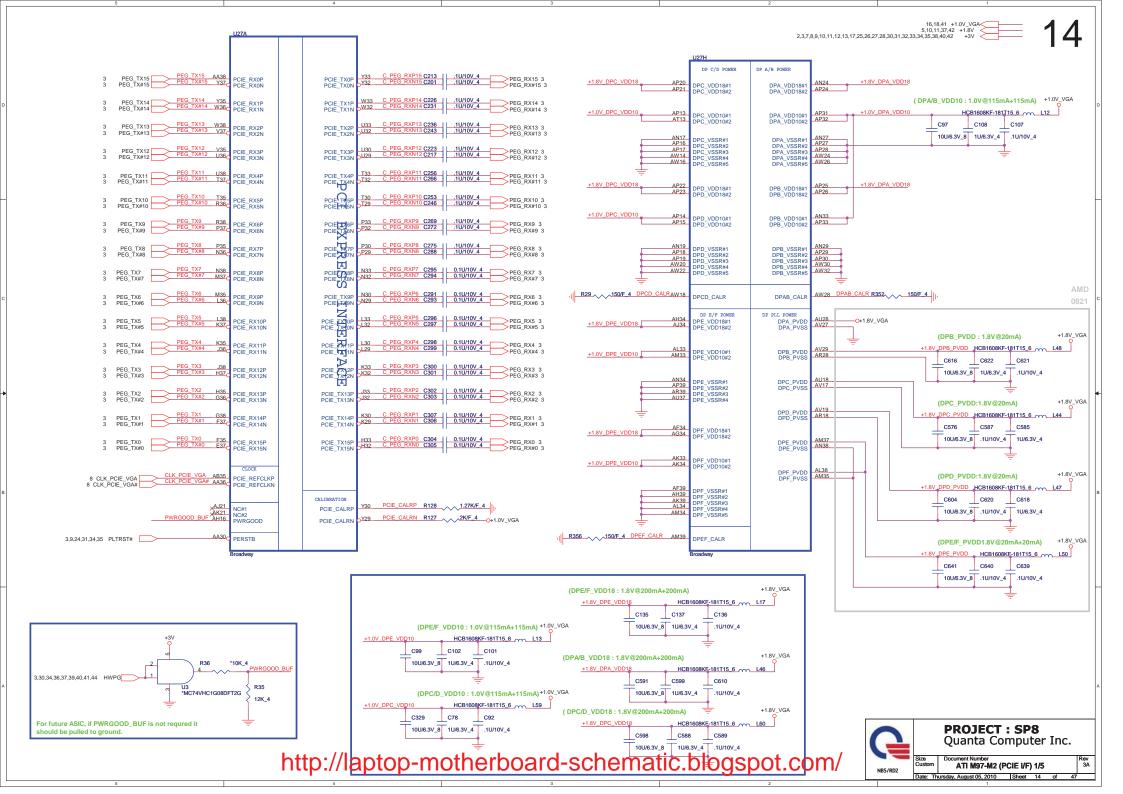


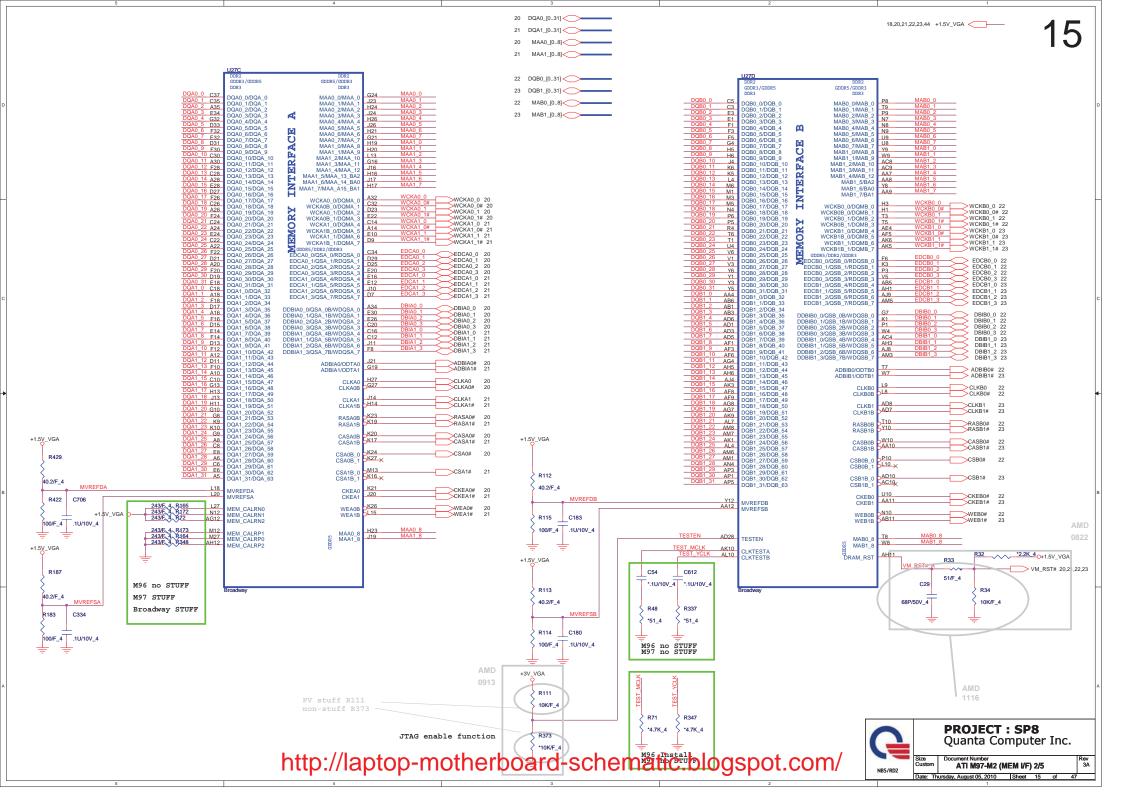


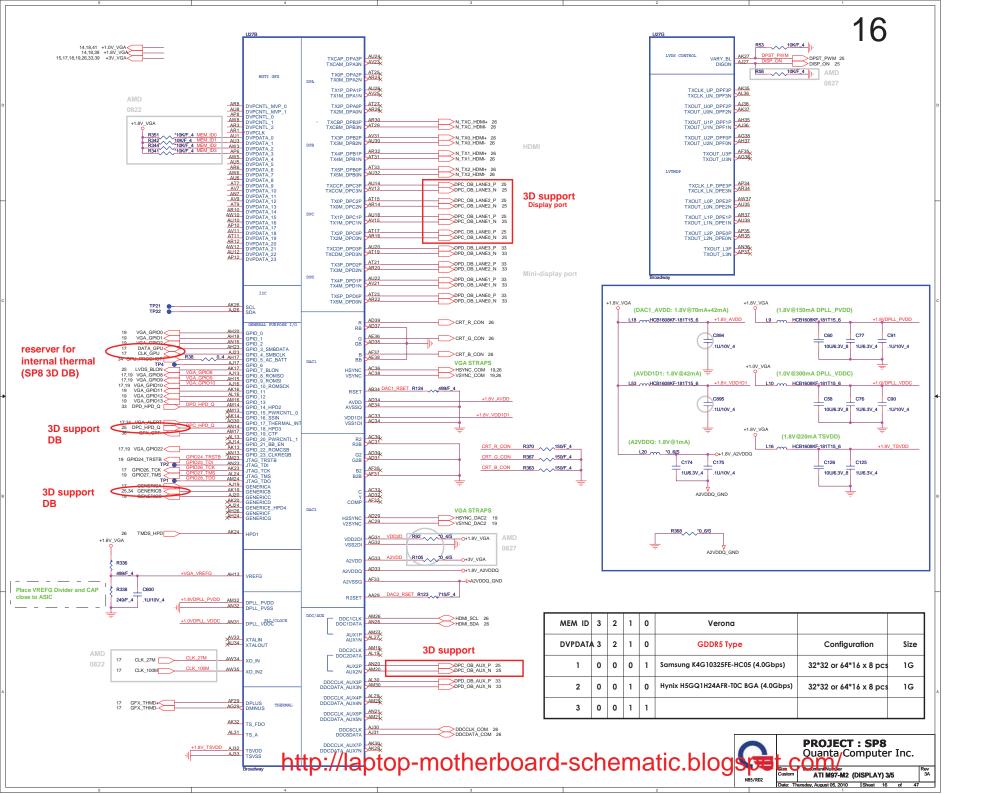


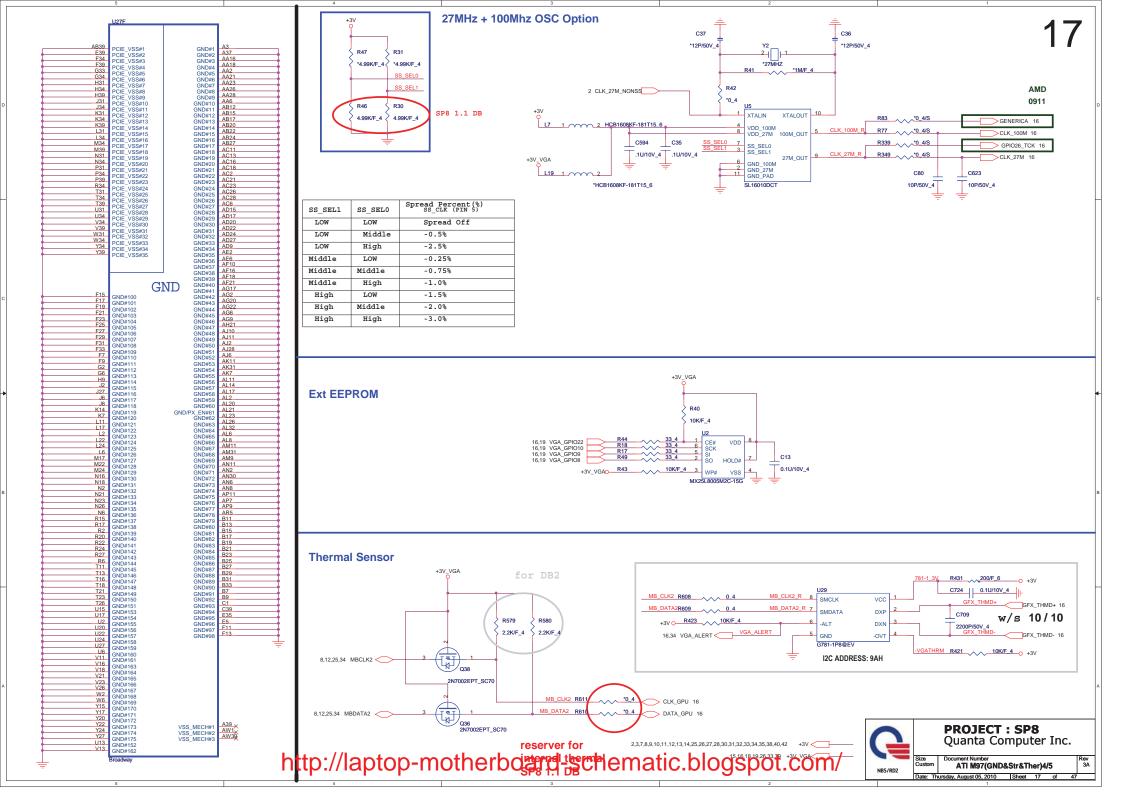


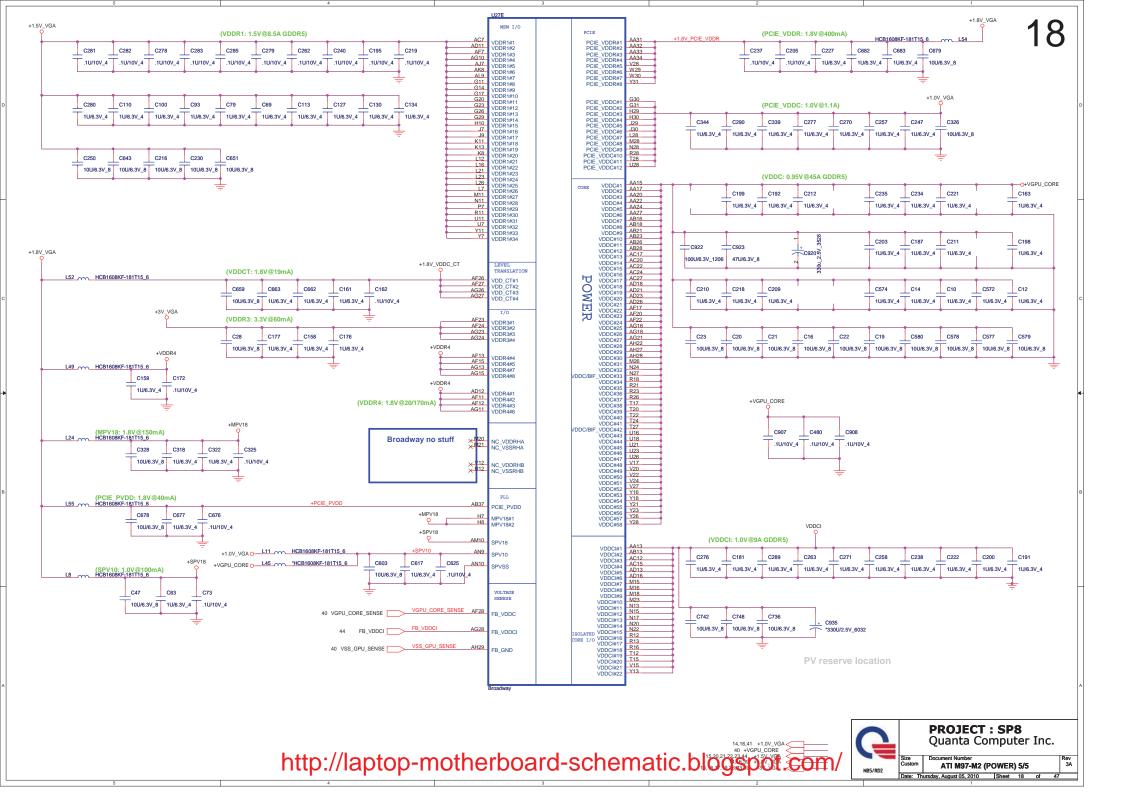
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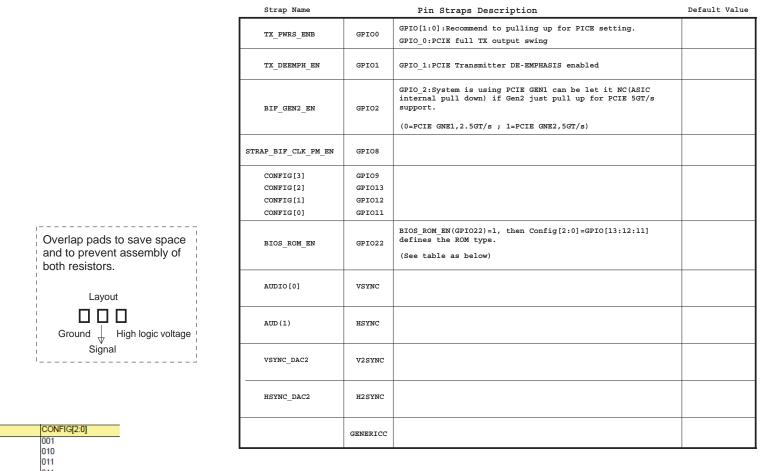












Manufacturer	Part Number	Size	CONFIG[2:0]
Atmel	AT25F512	512 kbit	001
	AT25F512A	512 kbit	010
	AT25F1024	1 Mbit	011
	AT25F1024A	1 Mbit	011
	AT25F2048	2 Mbit	011
	AT25F4096	4 Mbit	011
ST Microelectronics	M25P05A	512 kbit	100
	M25P10A	1 Mbit	101
	M25P20	2 Mbit	101
	M25P40	4 Mbit	101
	M25P80	8 Mbit	101
Silicon Storage Technology	SST25VF512	512 kbit	010
	SST25VF010	1 Mbit	011
	SST25VF020	2 Mbit	011
	SST25VF040	4 Mbit	011
Winbond Electronics Corporation	W45B512	512 kbit	110
	W45B012	1 Mbit	111
YMC	Y25LF05	512 kbit	010
	SA25C020	2 Mbit	011
PMC	Pm25LV512	512 kbit	100
	Pm25LV010	1 Mbit	101

Straps

R345 *10K/F_4

R52 *10K/F_4 R26 10K/F_4

R64 *10K/F_4

R61 *10K/F_4

R76 10K/F_4

16.17 VGA GPIO10

16 VGA_GPIO11

16 VGA GPIO12

16 GPIO27_TMS ---

0911

Table 3-34 ROM Configurations

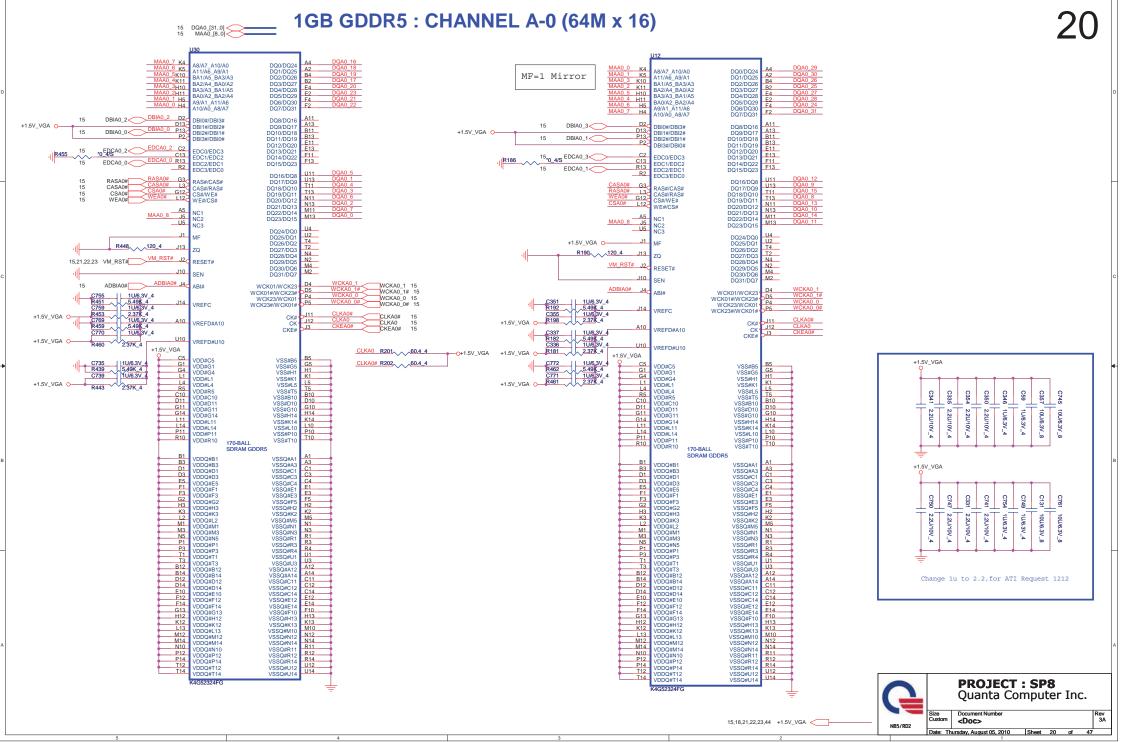
16,17 VGA_GPIO22 R346 10K/F_4

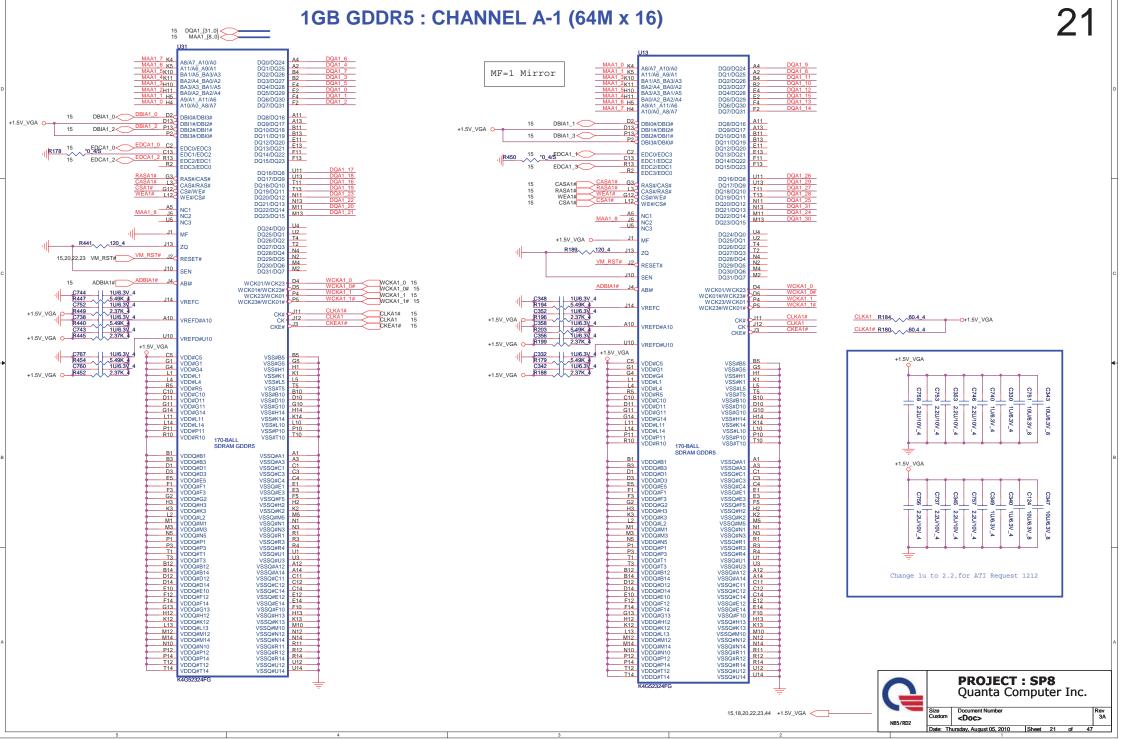
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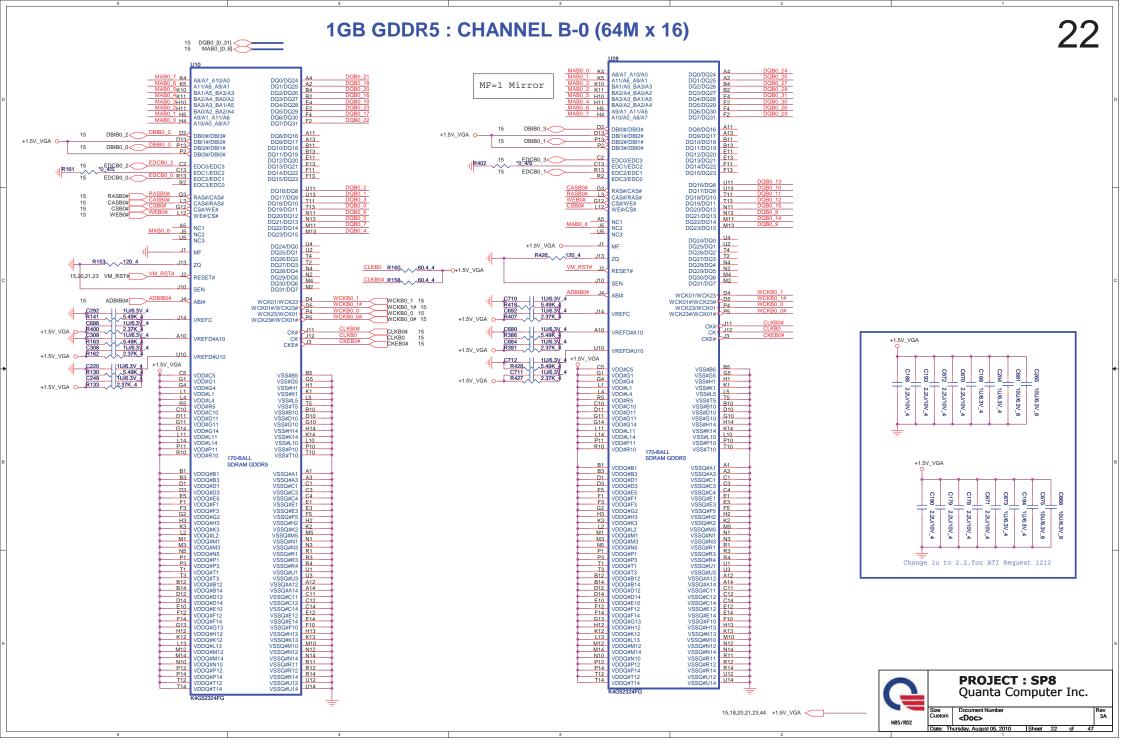
16,26 HSYNC_COM R374 10K/F_4

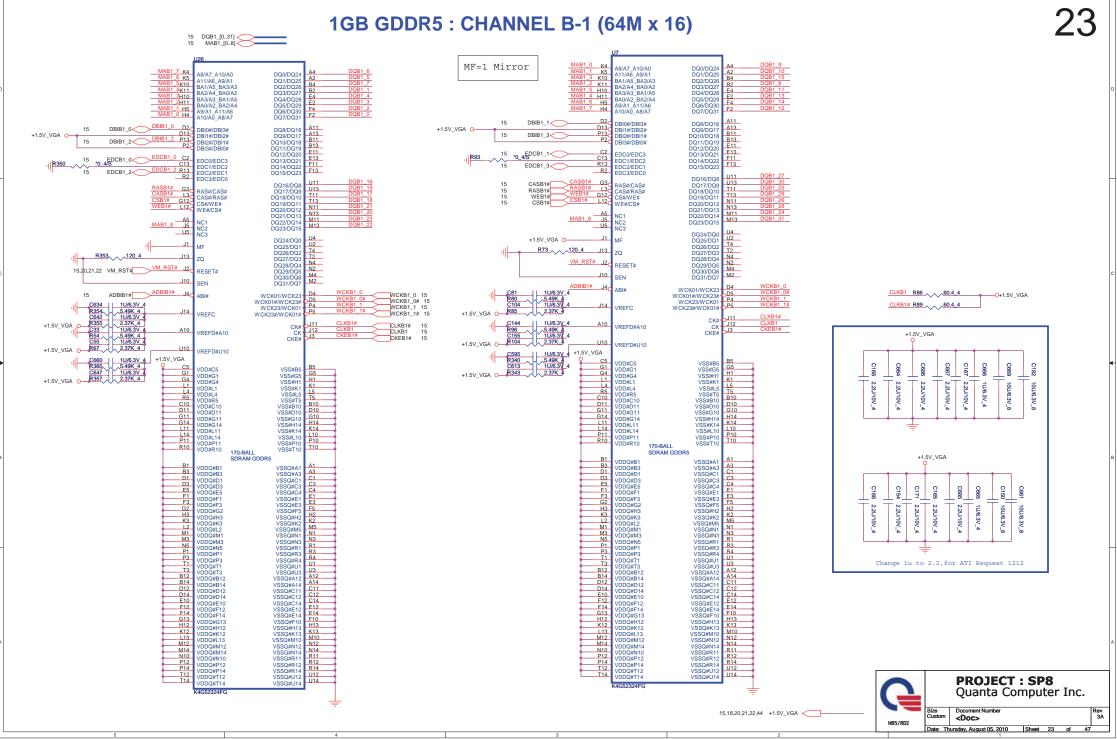
16 HSYNC_DAC2 R120 *10K/F_4

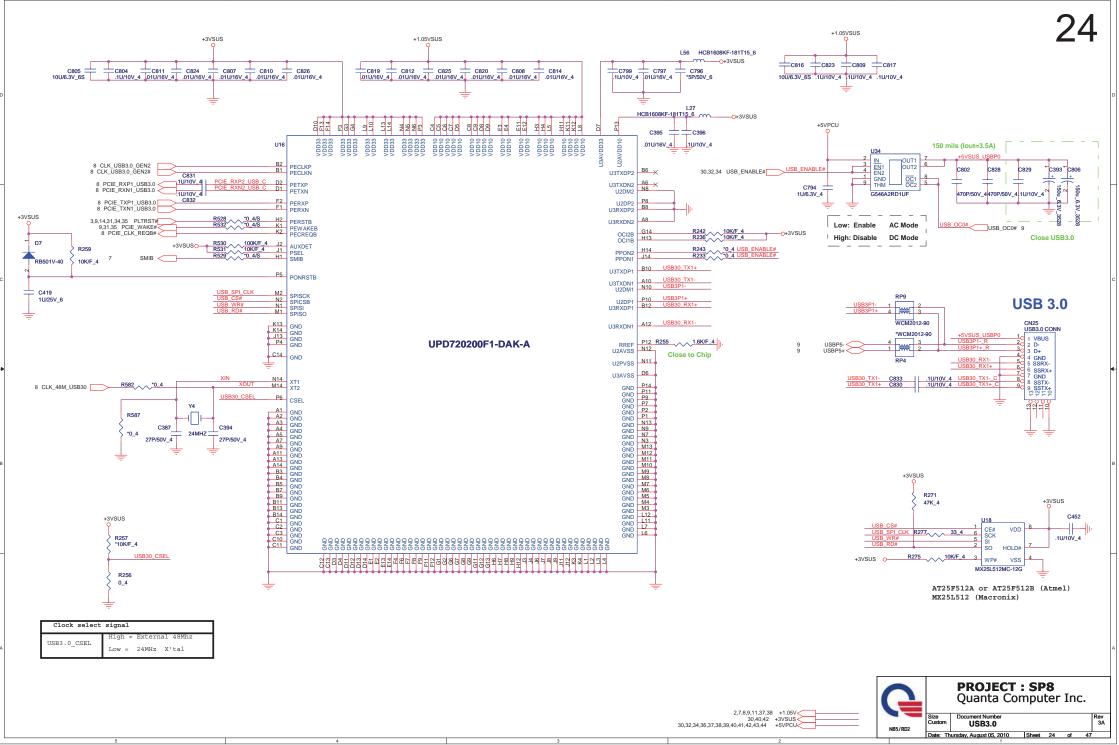
Default

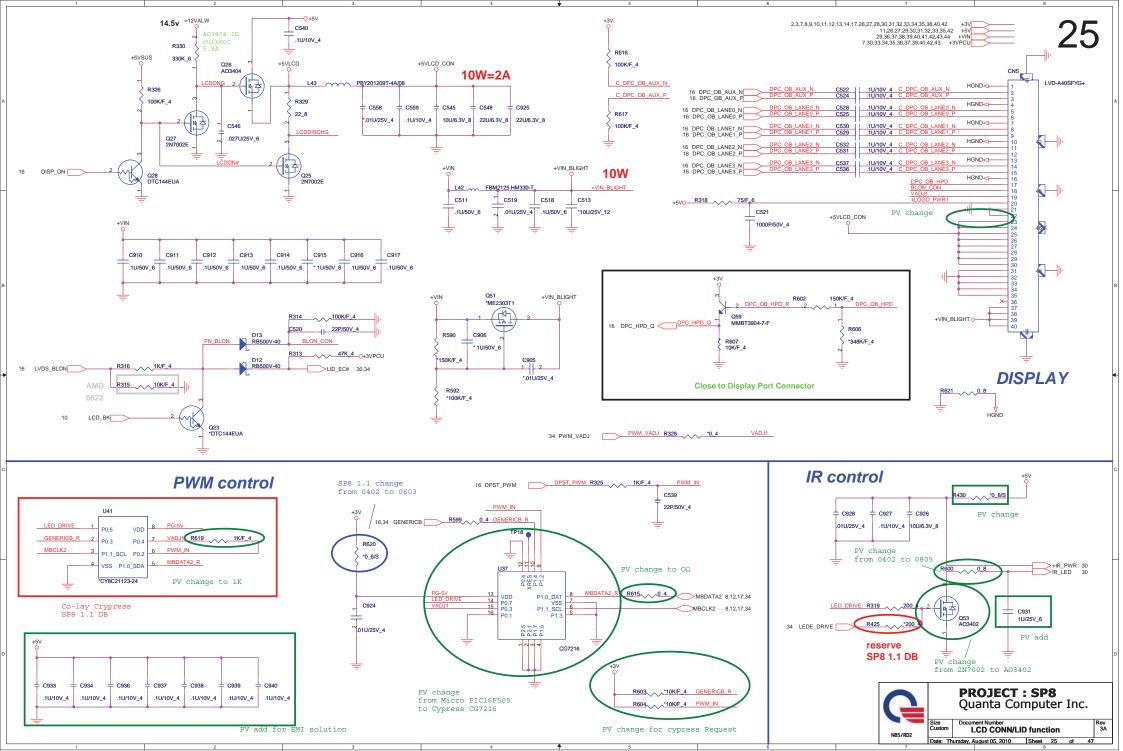




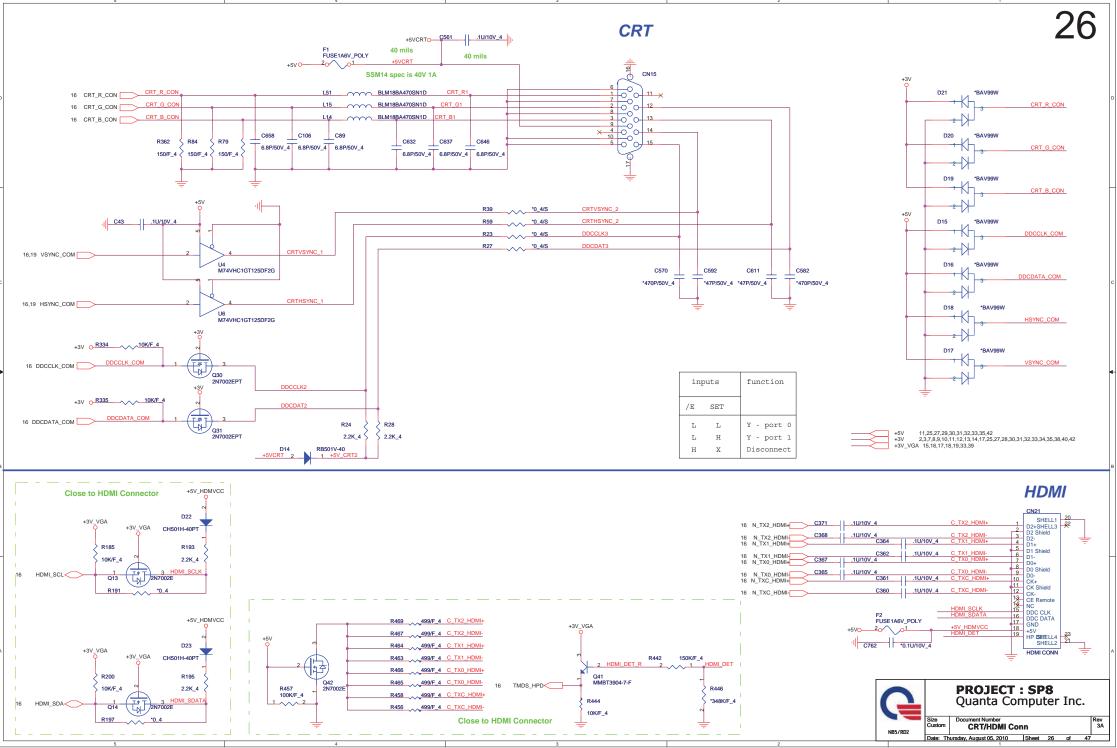




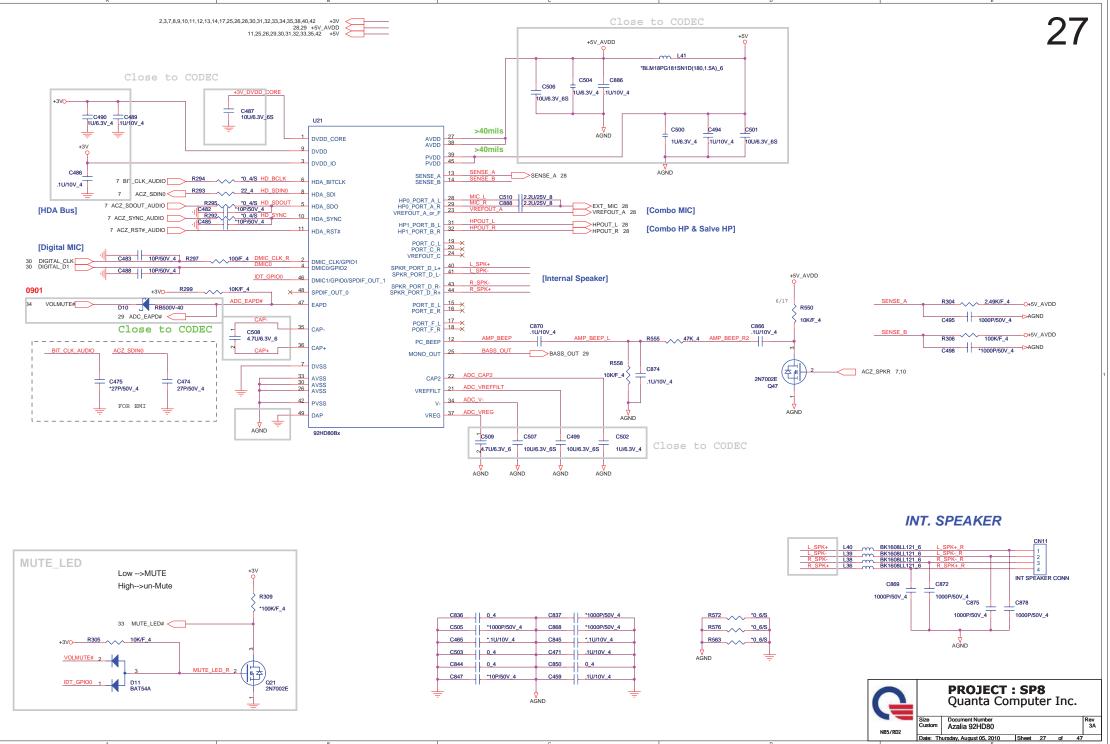


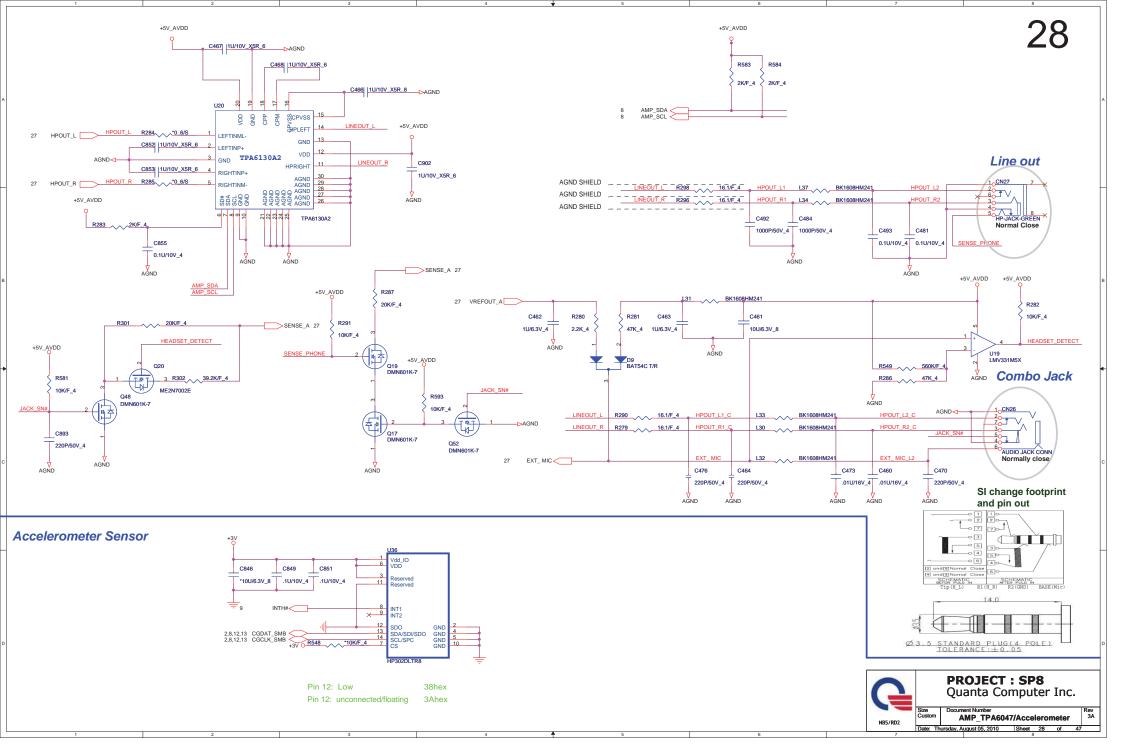


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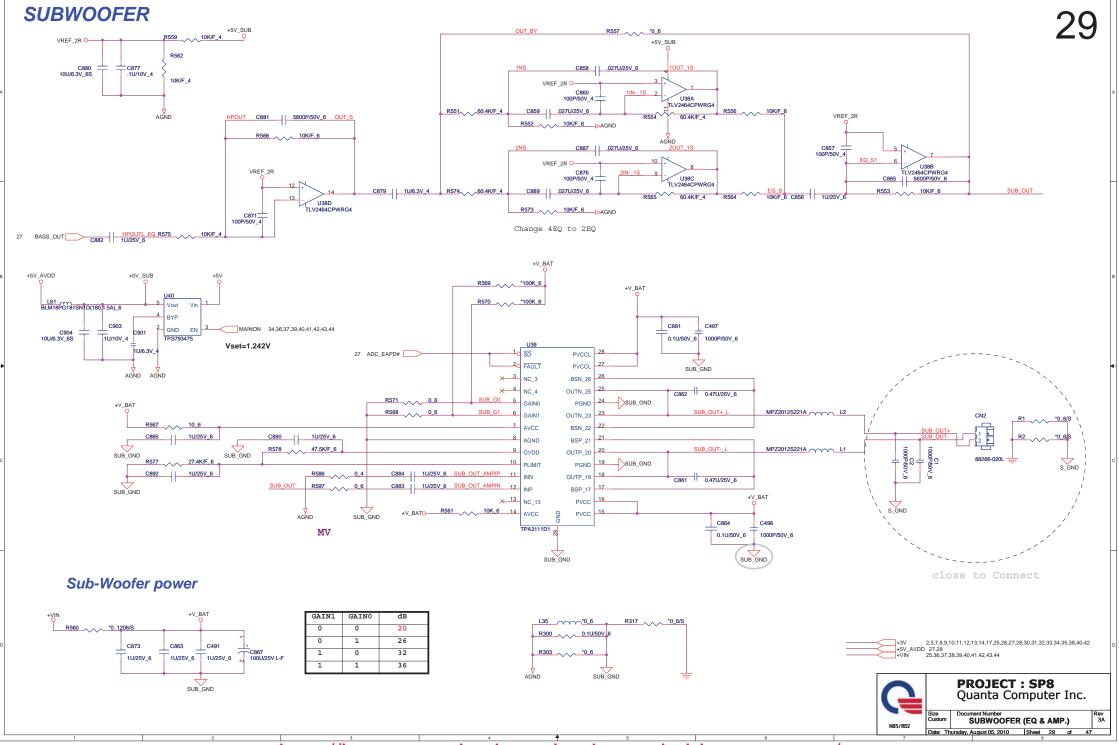


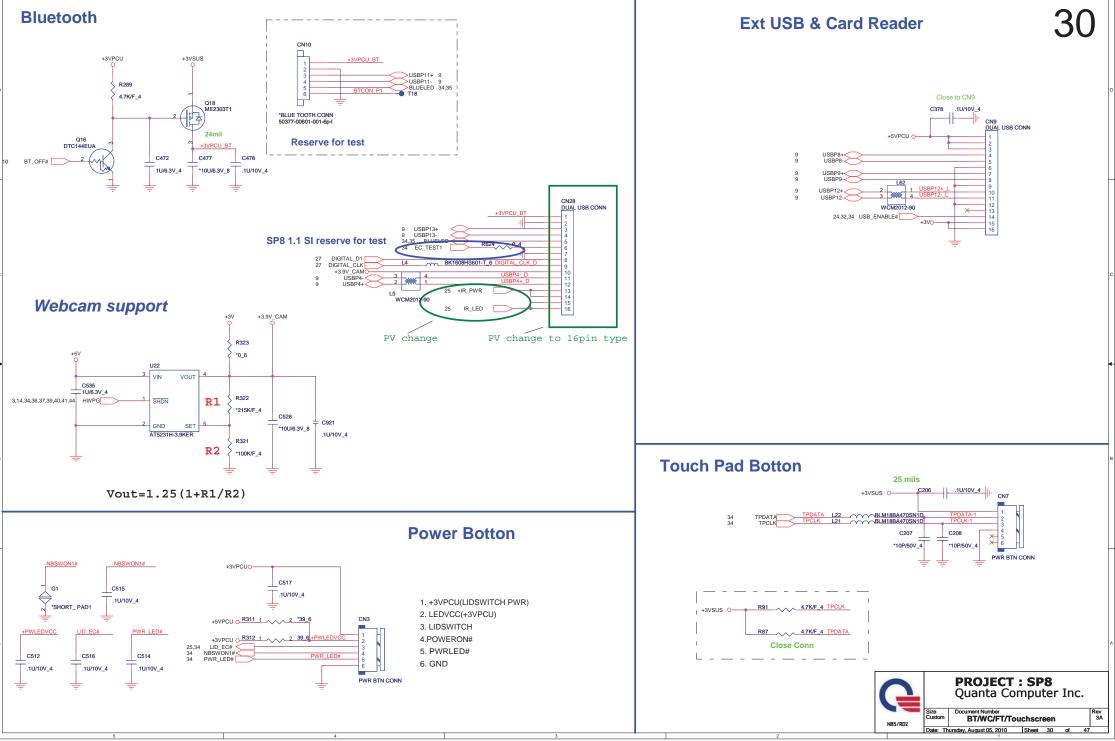
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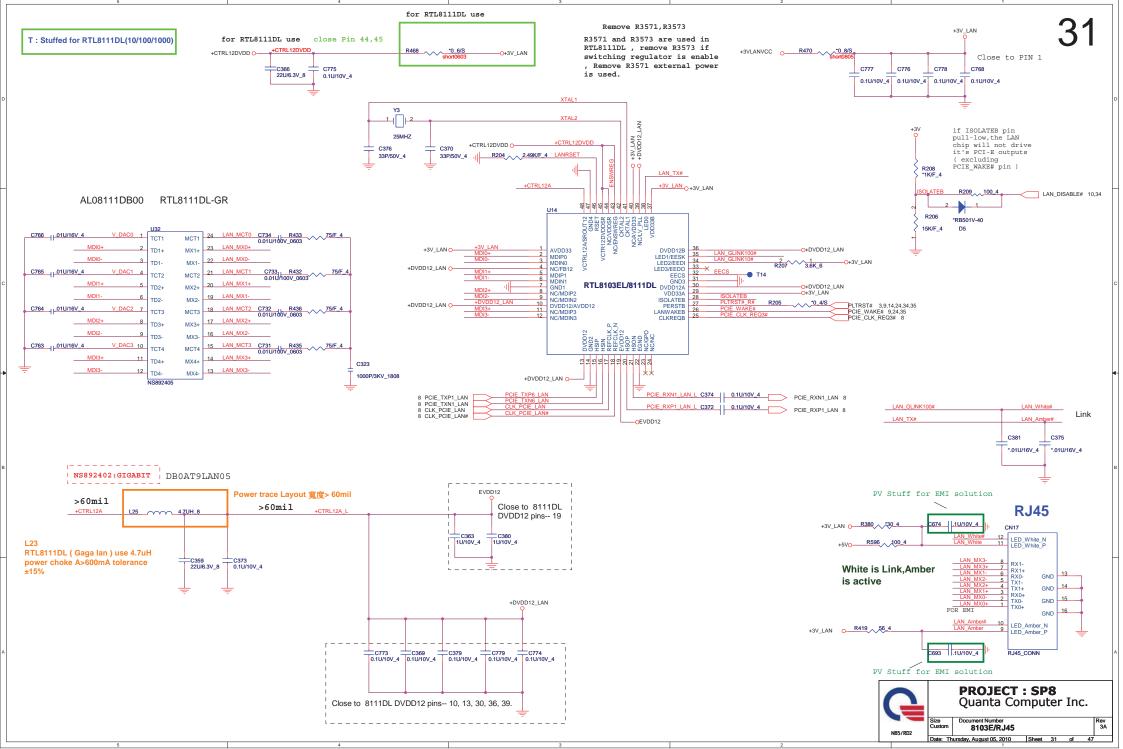




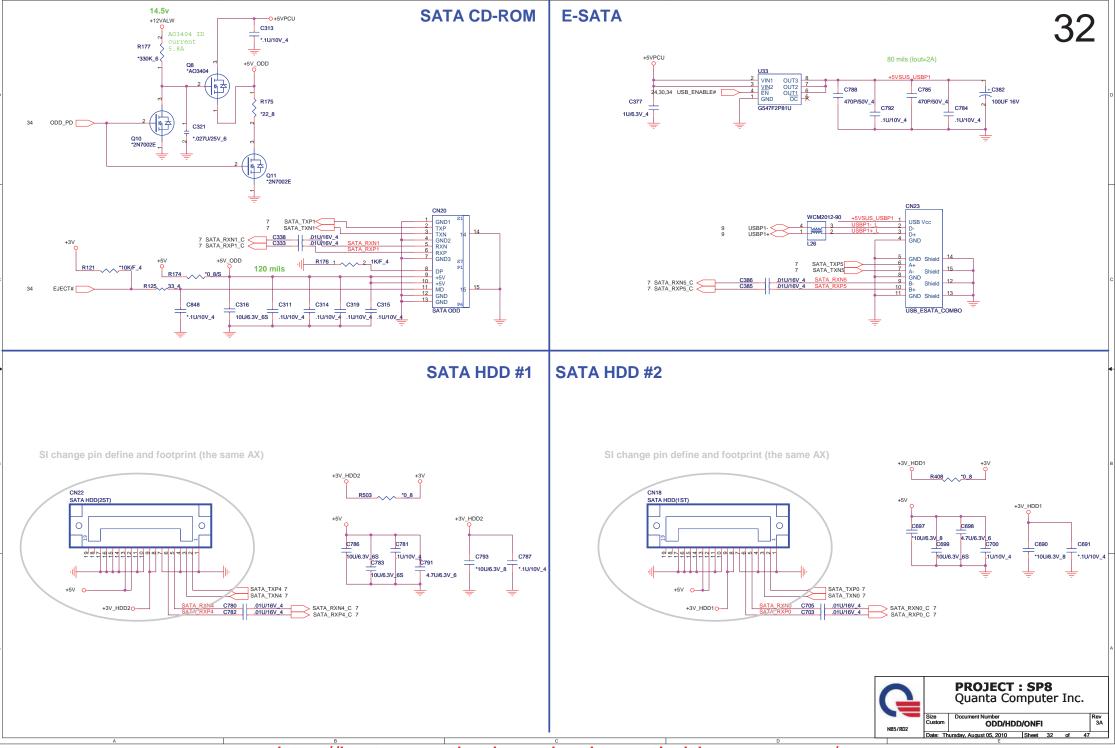
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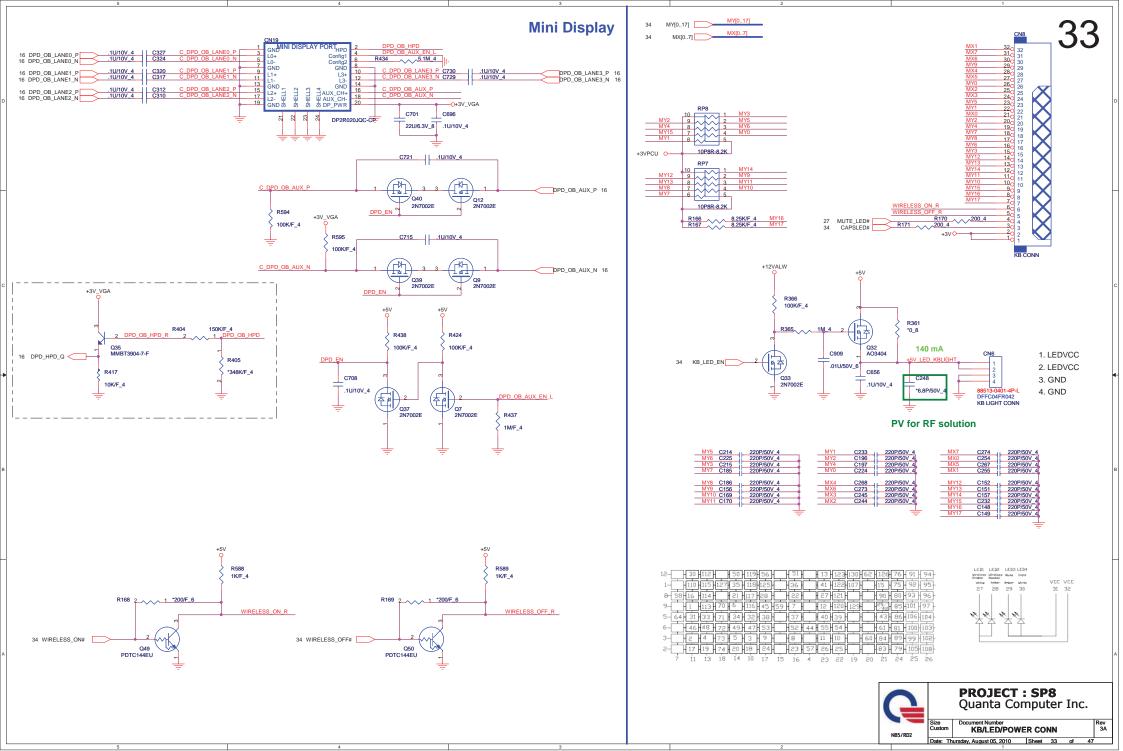




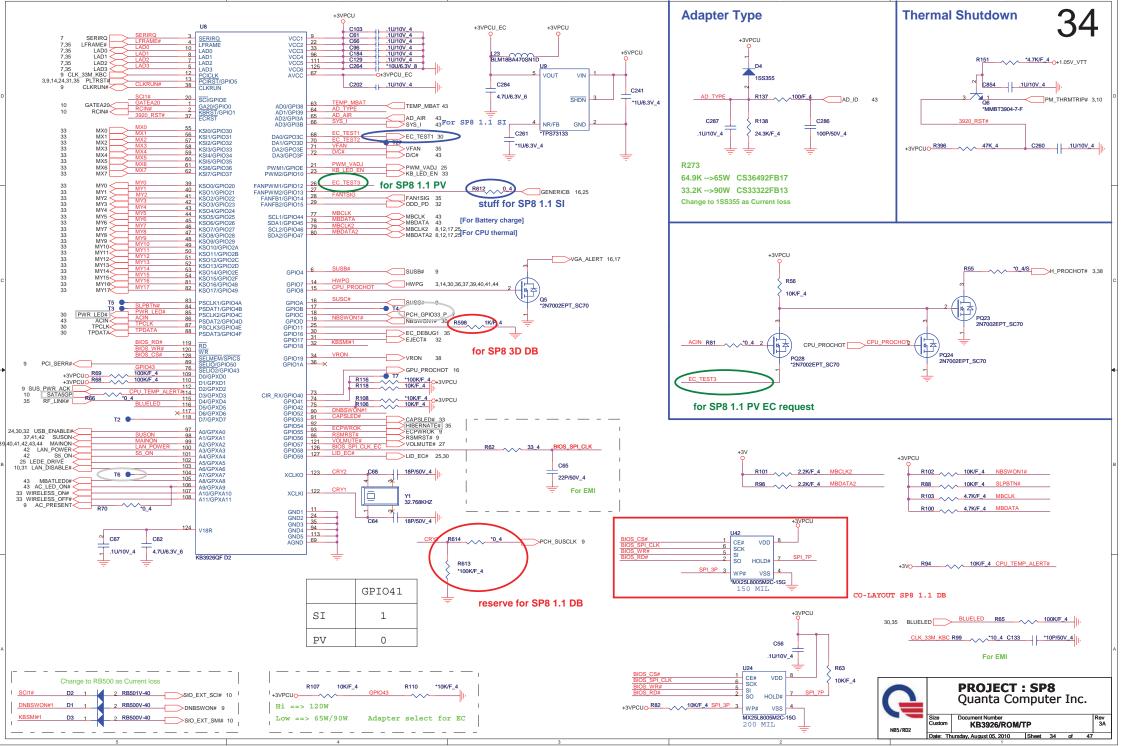
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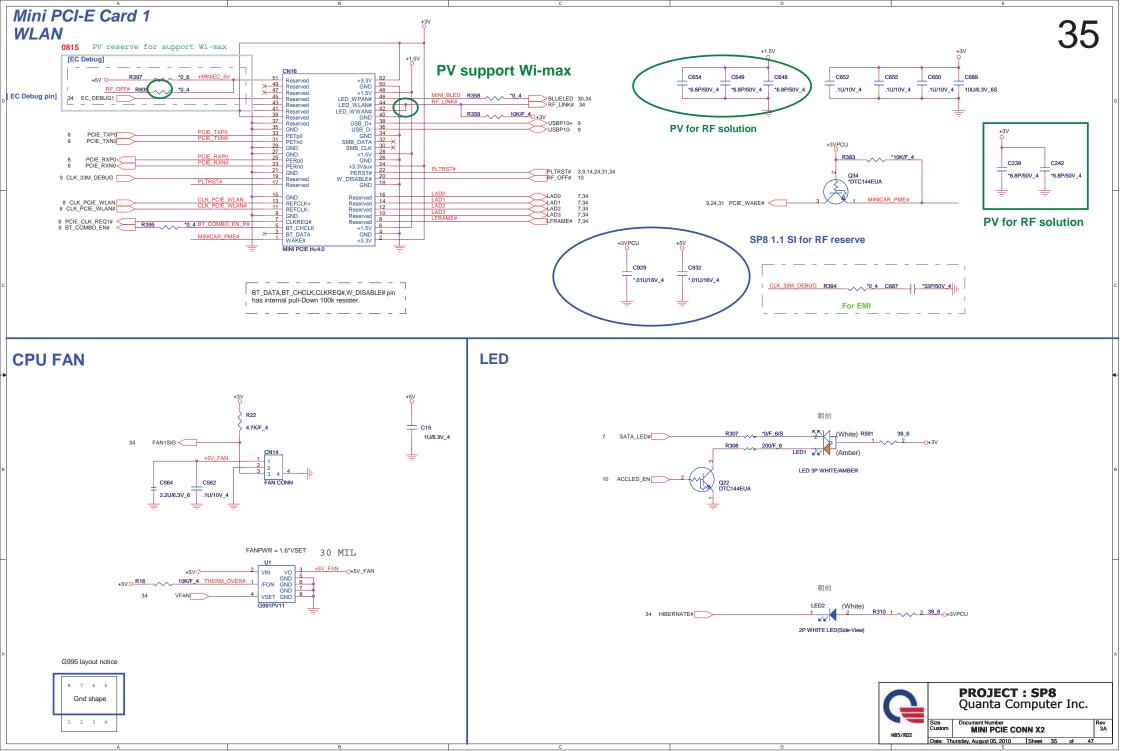
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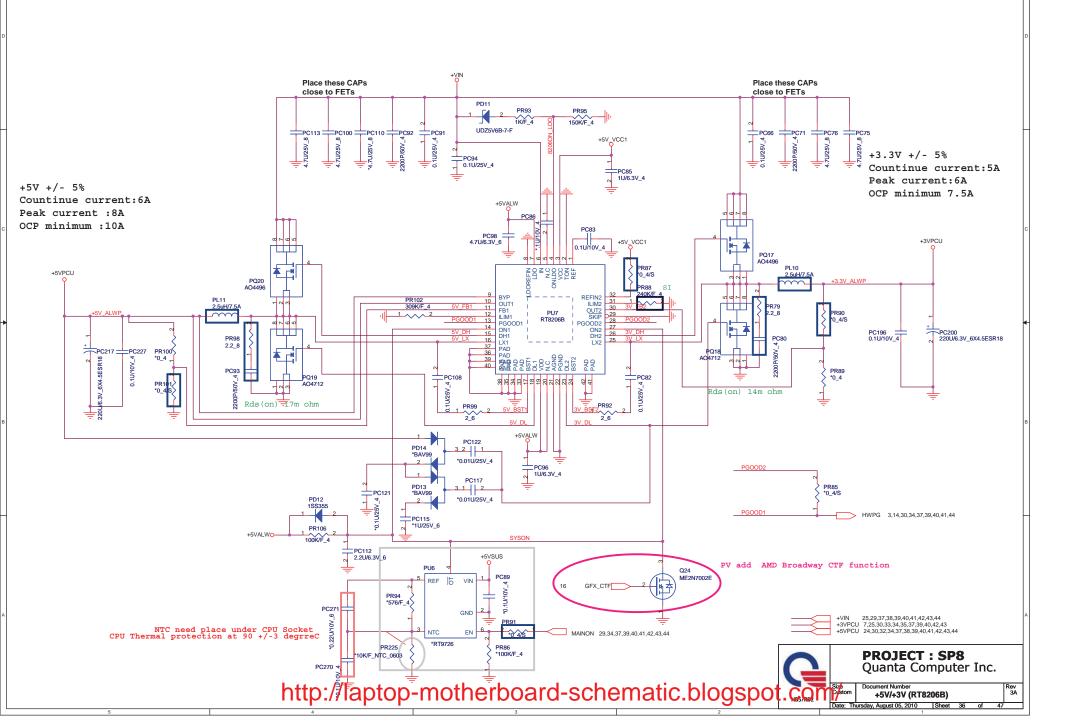
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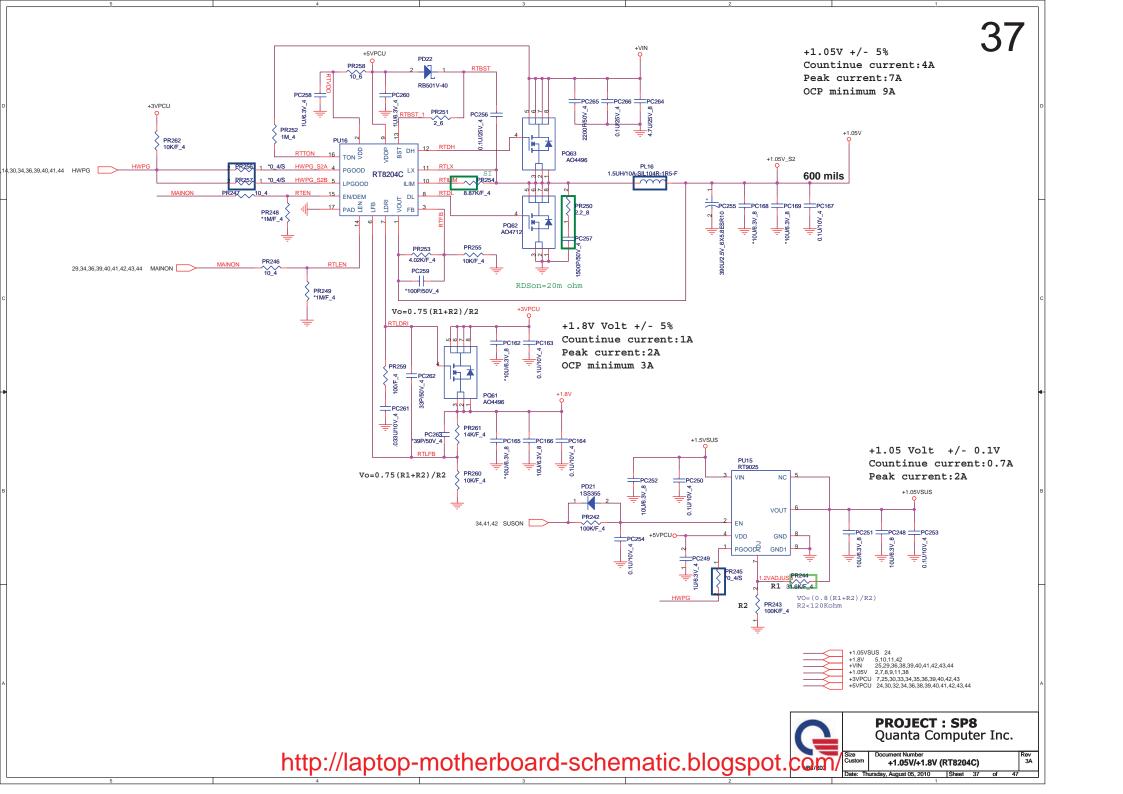


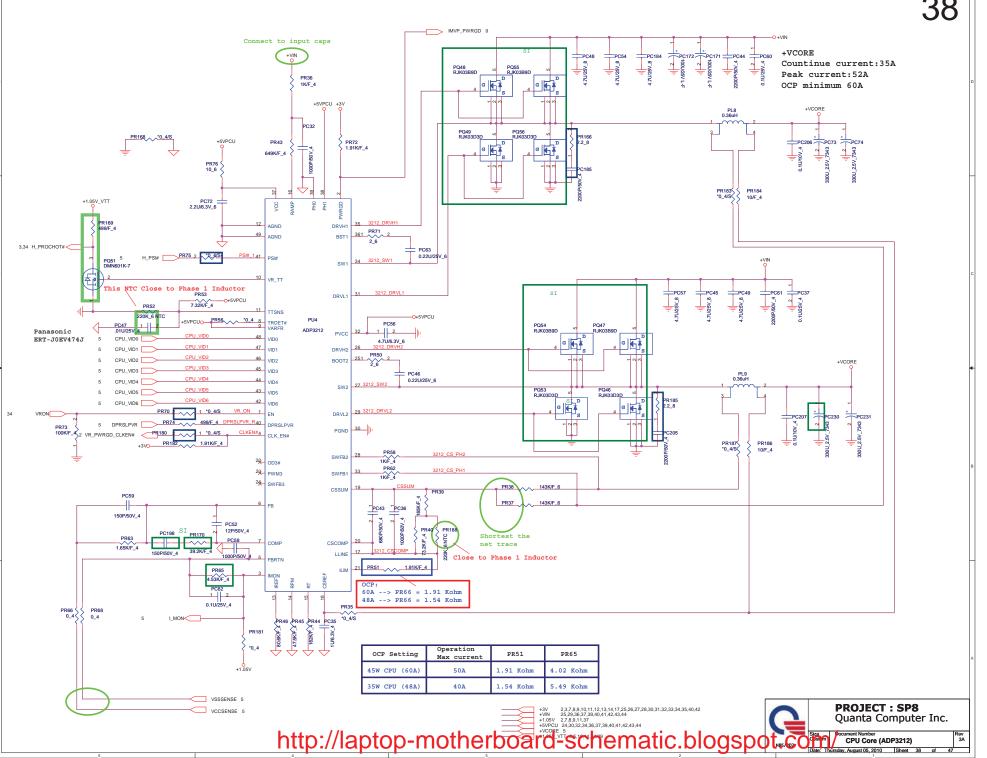
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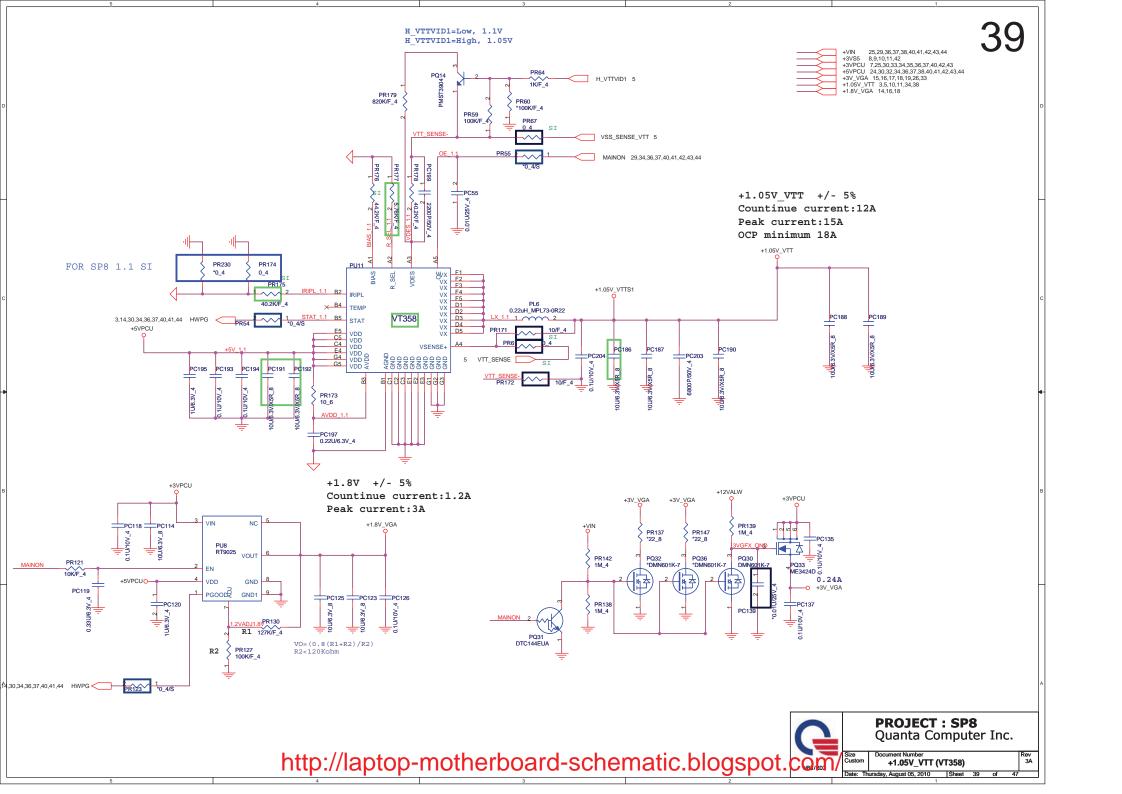


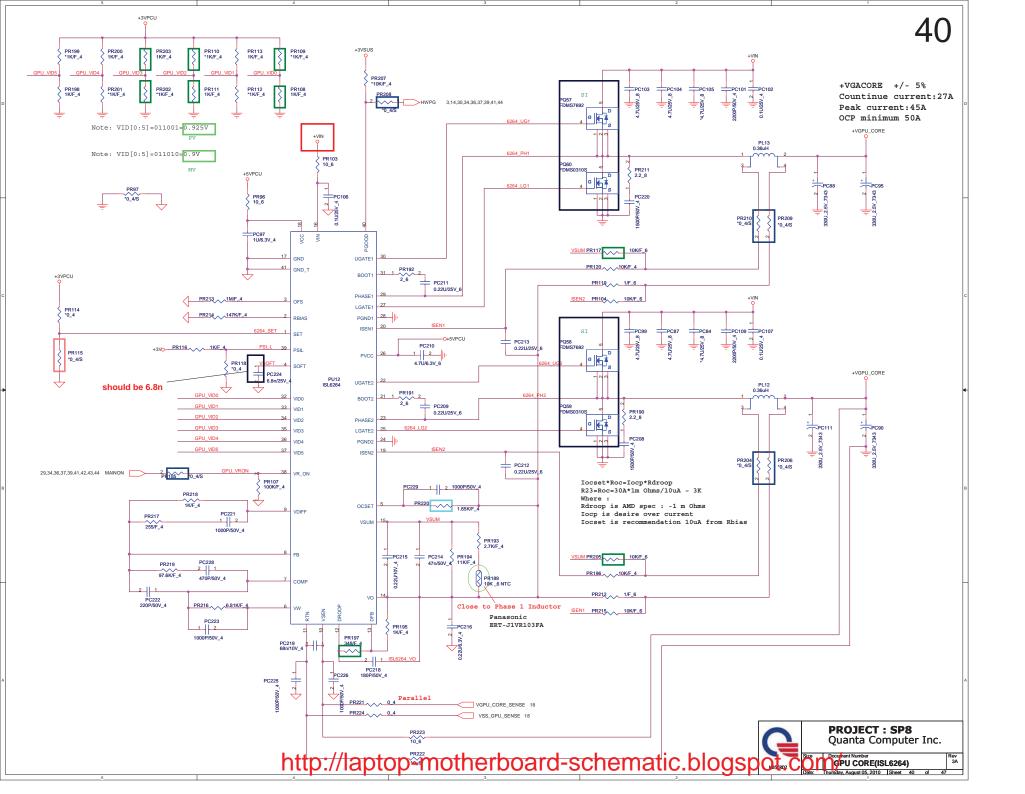
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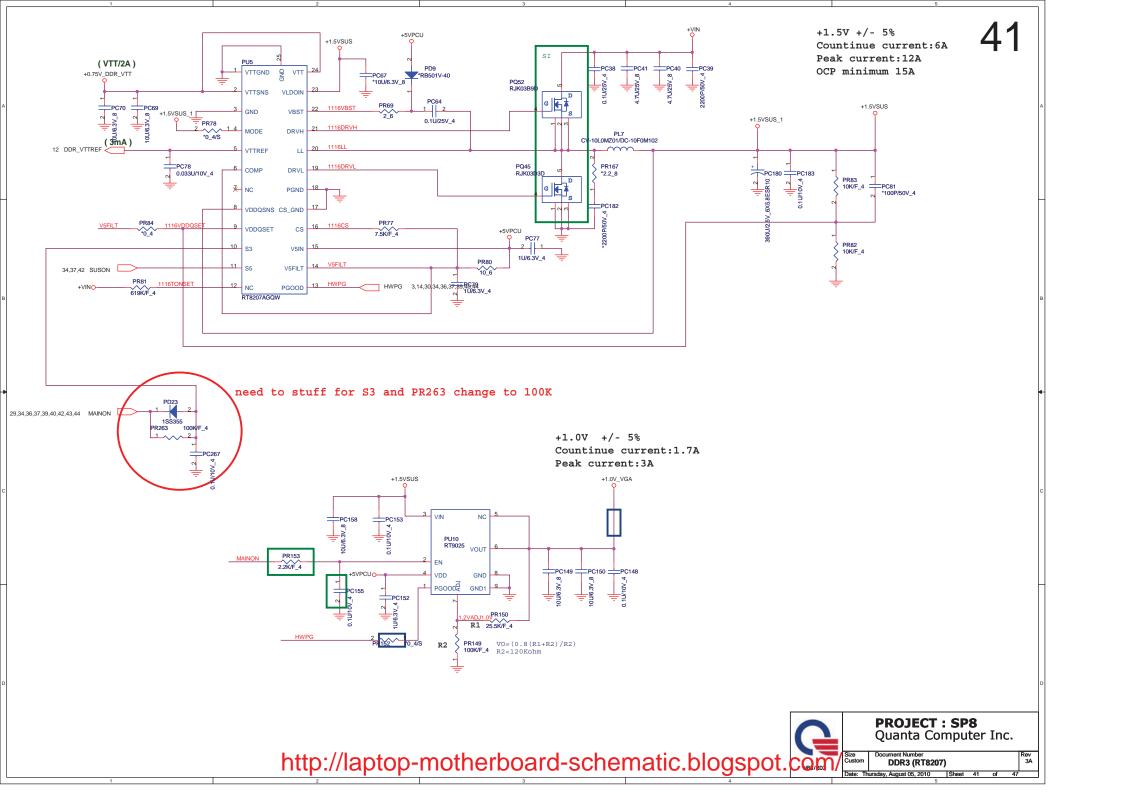


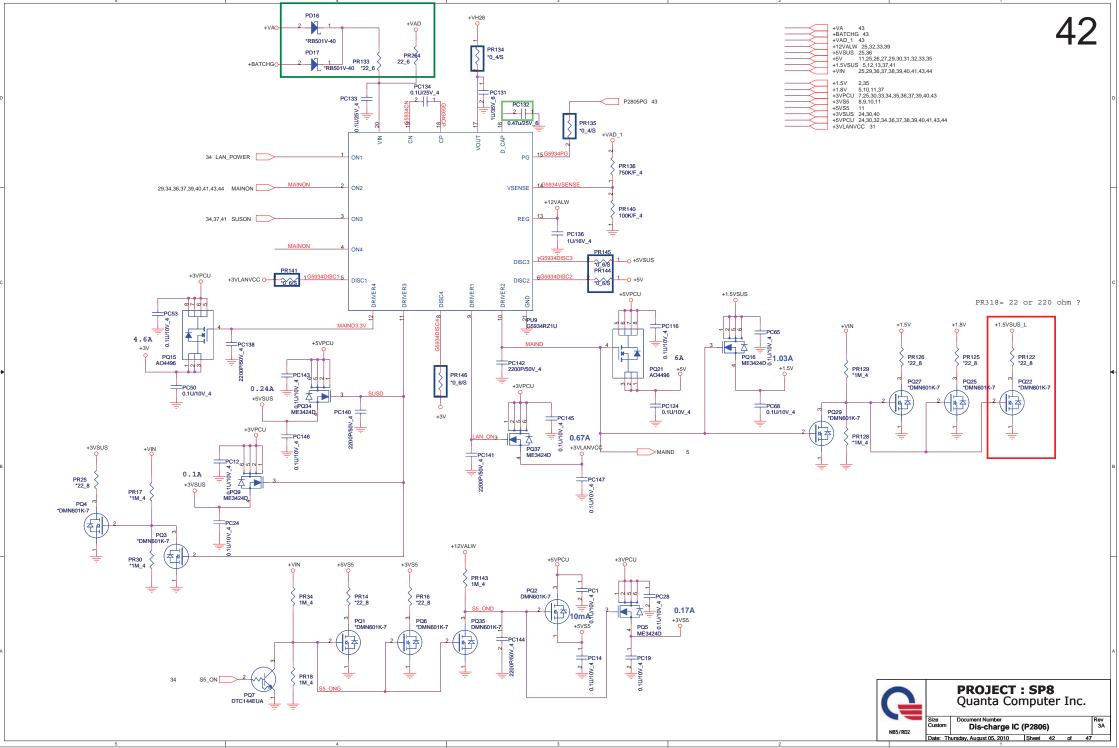


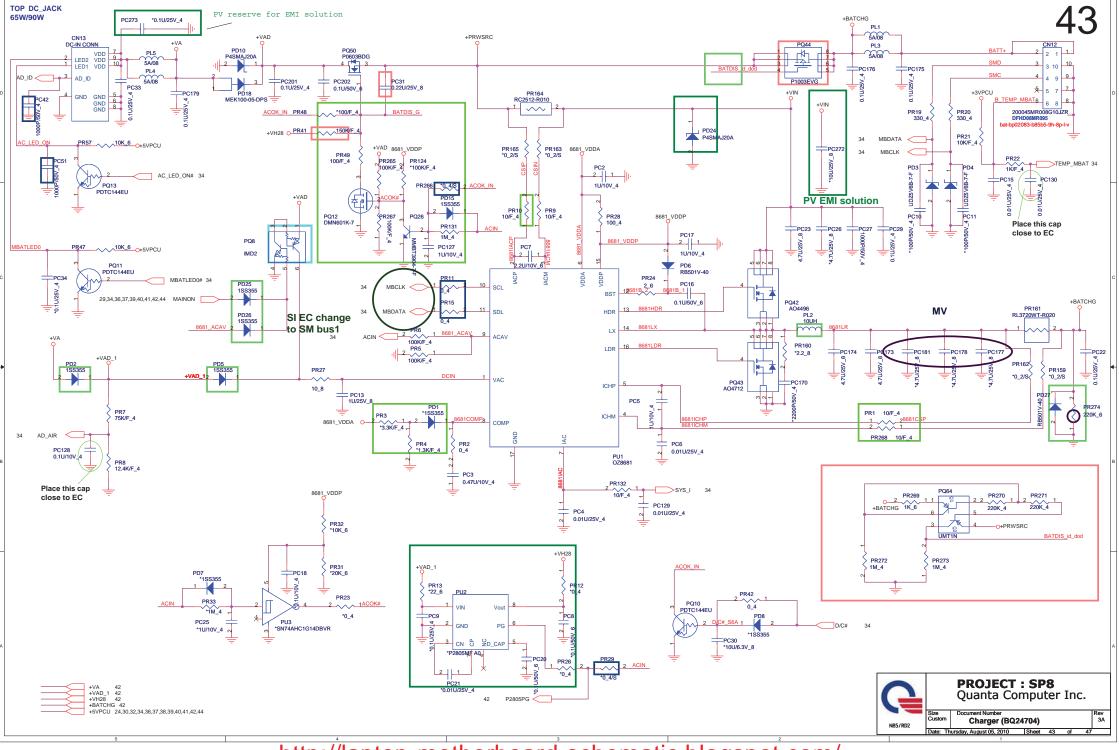












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