

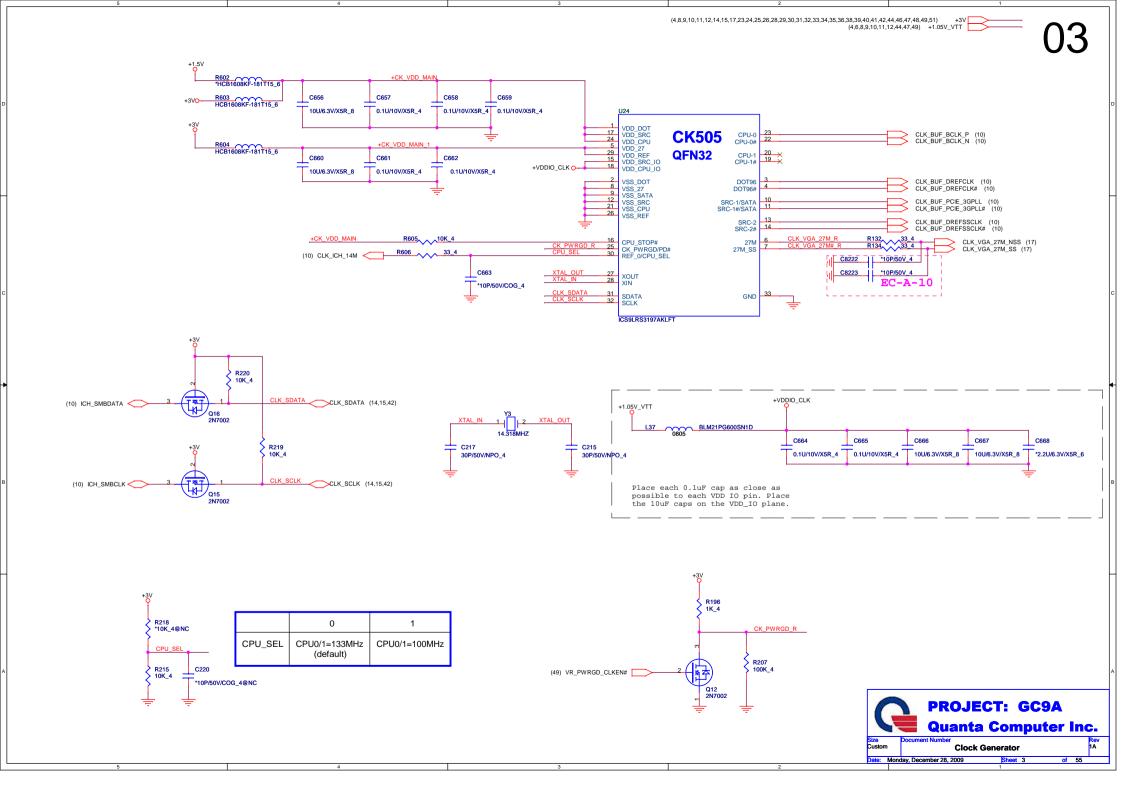
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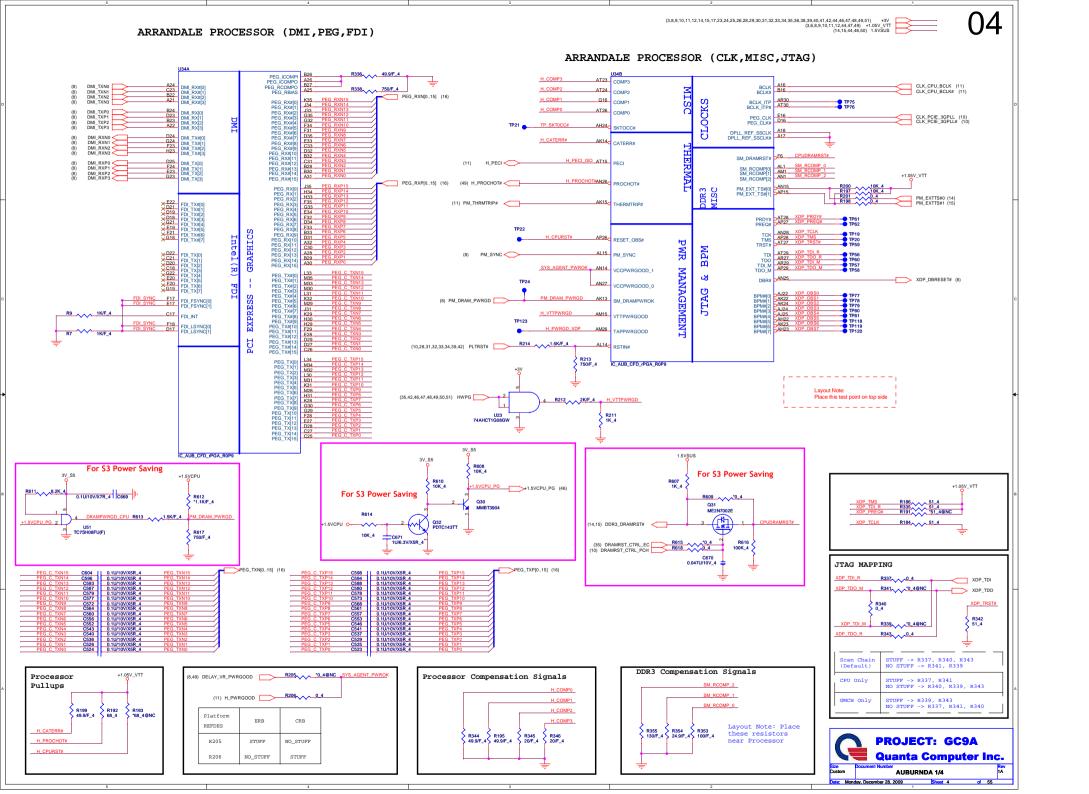
PAGE	DESCRIPTION				
01	BLOCK DIAGRAM				
02	FRONT PAGE				
03	CLOCK GENERATOR				
04-07	Auburndale PROCESSER				
08-13	Ibex Peak-M				
14-15	DDRIII SO-DIMM				
16	LCD & LID CON				
17	HDMI PORT(PS8101)				
18	CRT CONN				
19	AUDIO CODEC(ALC269Q)				
20	LAN(8111DL)				
21	SATA HDD/CD-ROM				
22	USB X2/SIM_CARD/LEDs/RF				
23	CARD READER/USB/SIM CONN				
24	MINI-Card (WWAN)				
25	MINI-Card (WLAN)				
26	ONFI				
27	Express Card				
28	K/B, T/P				
29	BlueTooth				
30	FAN /THERMAL				
31	G-SENSOR				
32	B TO B CON				
33	TPM & RFID EEPROM				
34	KBC IT8502E				
35	HOLD & SKEW				
36	Discharge				
37	Charger (ISL88731)				
38	DDR3/0.75V(TPS51116REGR)				
39	1.05V_VTT (RT8204)				
40	3V/5V (ISL6237IRZ-T)				
41	CPU (ISL62882)				
42	GFX_VCC (MAX17028)				
43	XDP & JTAG				
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45	Schematic Value Descript				
46	BOM Matrix Table				

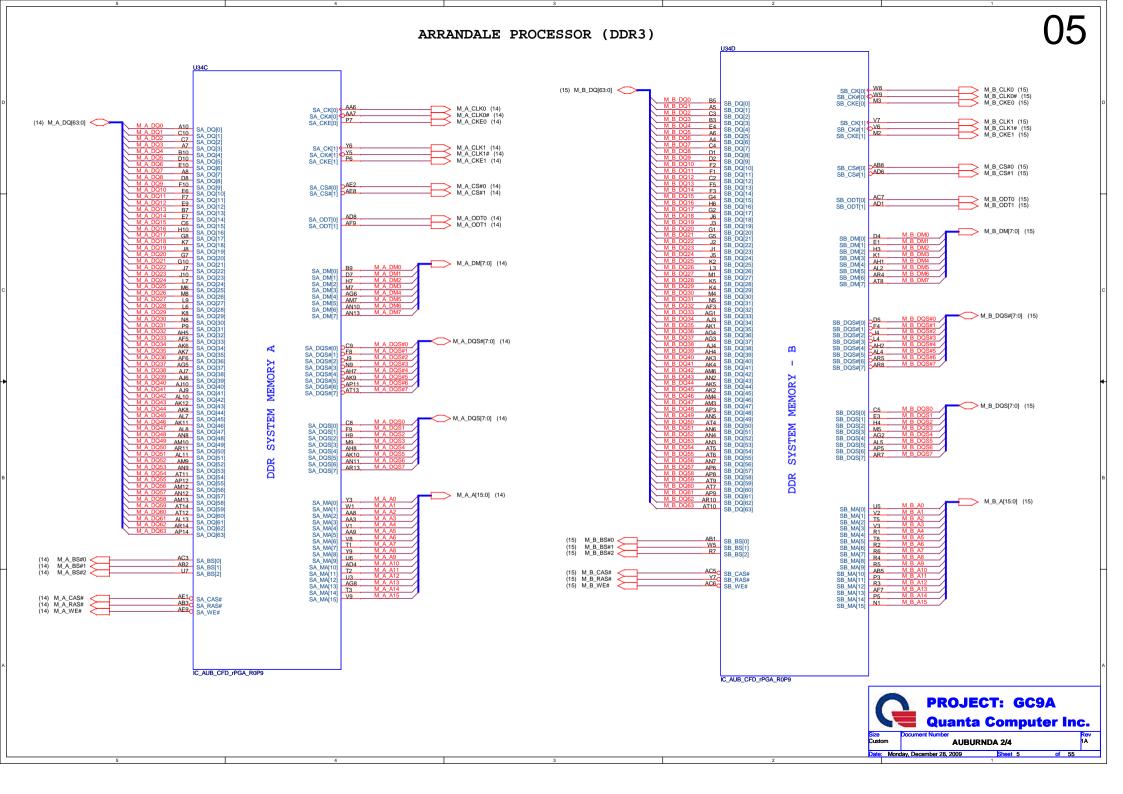
## Power States

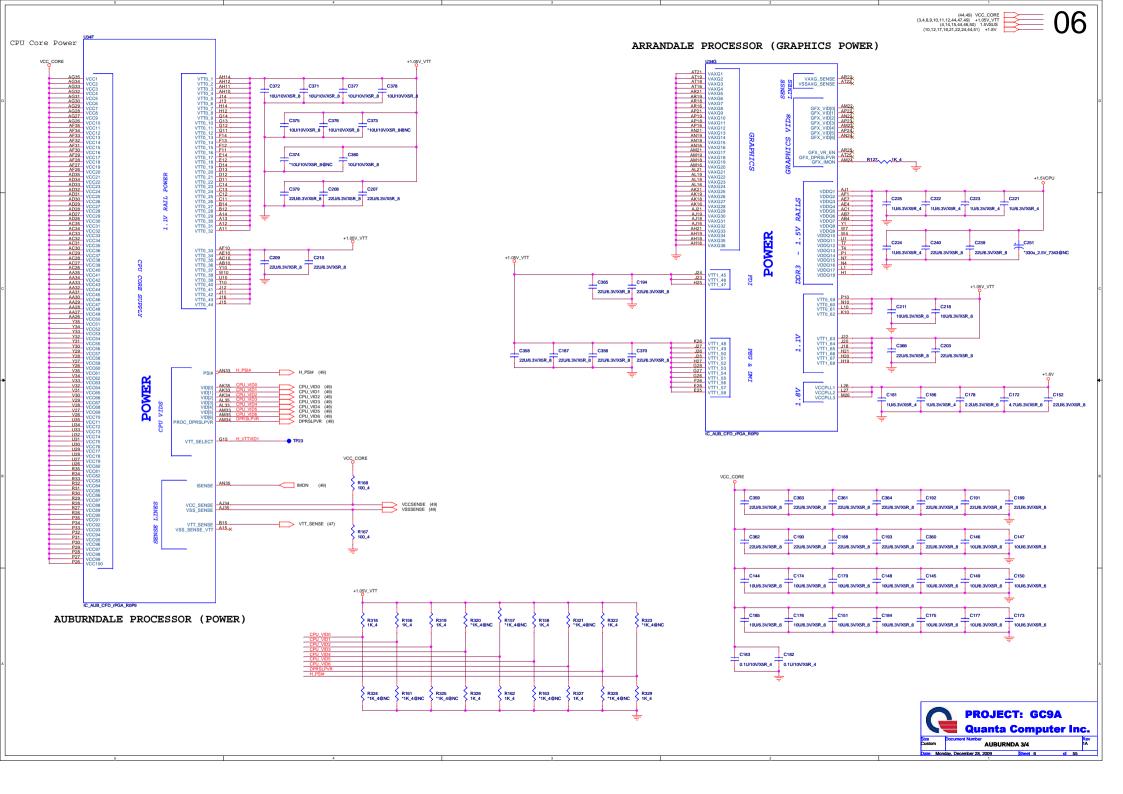
POWER PLANE	VOLTAGE	PAGE	DESCRIPTION	CONTROL SIGNAL	ACTIVE IN
VIN	10V~+20V	16,36,37,38,39,40,41,42	MAIN POWER		S0~S5
+3VRTC	+3.0V~+3.3V	9,12,34	RTC		S0~S5
3VPCU	+3.3V	9,16,20,23,28,32,34,36,37,40,42	ITE8502 POWER	3V5V_EN	S0~S5
5VPCU	+5V	36,37,38,39,40,42	DC/DC POWER IC SOURCE	3V5V_EN	S0~S5
+15V	+15V	16,31,36,38,39,40	LARGE POWER	3V5V_EN	S0~S5
LANVCC	+3.3V	20,36	LAN POWER	LAN_ON	
5V_S5	+5V	12,22,23,36	PCH SUS POWER	S5_ON	S0~S3
3V_\$5	+3.3V	8,9,10,11,12,36	Sys Management, PCH Resume Well, Intel HD Audio, USB, WLAN, WiMAX POWER	S5_ON	S0~S3
5VSUS	+5V	16,32,36,41,42	SLP_S4# CTRLD POWER	SUSON	S0~S3
3VSUS	+3.3V	8,23,27,34,36,42	SLP_S4# CTRLD POWER	SUSON	S0~S3
1.5VSUS	+1.5V	4,6,12,14,15,36,38,39	DDR3 SODIMM POWER	SUSON	S0~S3
0.75VSMDDR_VTERM	+0.75V	14,15,36,38	DDR3 SODIMM REFERENCE POWER	MAINON	S0
+5V	+5V	8,12,16,17,18,19,21,28,30,34,36,37	SLP_S3# CTRLD POWER	MAINON	S0
+3V	+3.3V	3,4,8,9,10,11,12,14,15,16,17,18,19,20,21,22 23,24,25,26,27,29,30,31,32,33,34,36,37,38, 39,40,41,42,43	SLP_S3# CTRLD POWER	MAINON	S0
+1.8V	+1.8V	6,12,26,36,42	LVDS,NVM POWER	MAINON	S0
+1.5V	+1.5V	12,24,25,27,38,39	Mini PCle,Express Card POWER	MAIND	S0
+1.05V_VTT	+1.05V	3,4,6,8,10,11,12,36,39,41,43	AuBurndale VTT POWER/PCH CORE POWER	MAINON	S0
+VCC_GFX_CORE		6,36,42	VGA CORE POWER	GFXVR_EN	S0
VCC_CORE		6,36,41	CPU CORE POWER	VRON	S0
LCDVCC	+3.3V	16	LCD Power	ENVDD	S0
+5V_ODD	+5V	21	ODD Power	MAINON#	S0
+5V_HDD	+5V	21	HDD Power	MAINON#	S0
BAT-V	+10V~+17V	37	MAIN BATTERY	CHG_PBATT	S0~S5

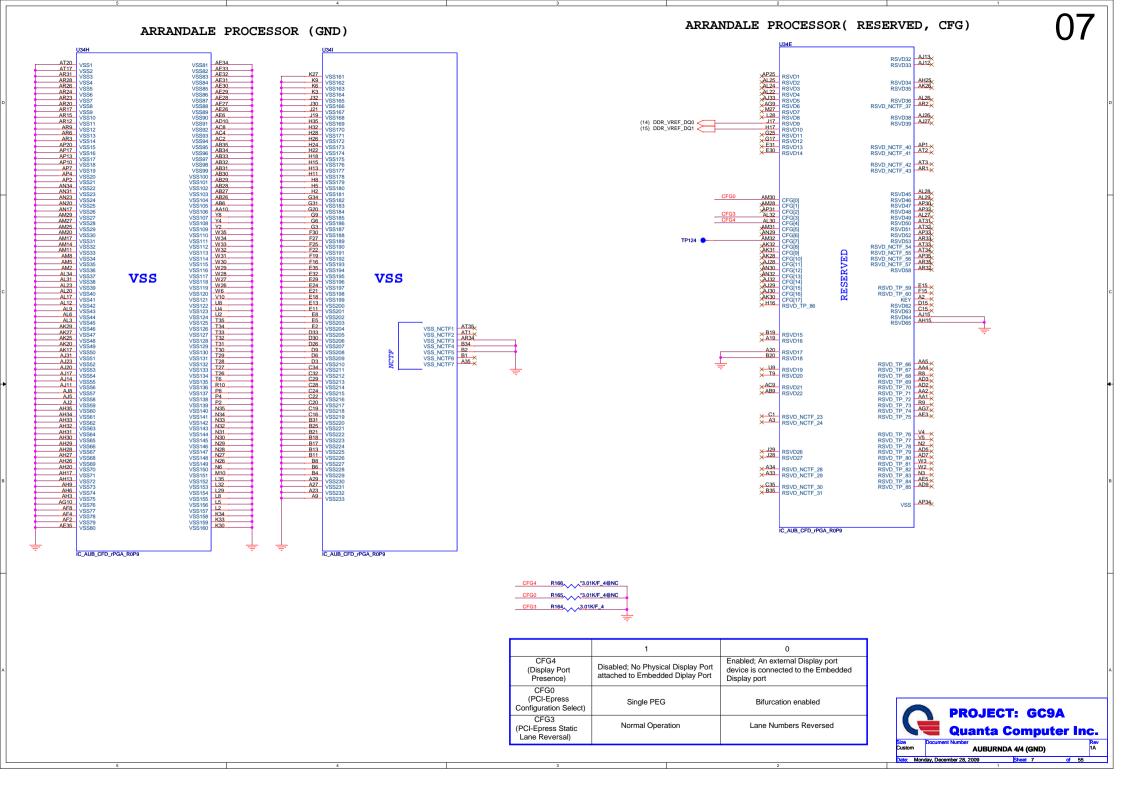




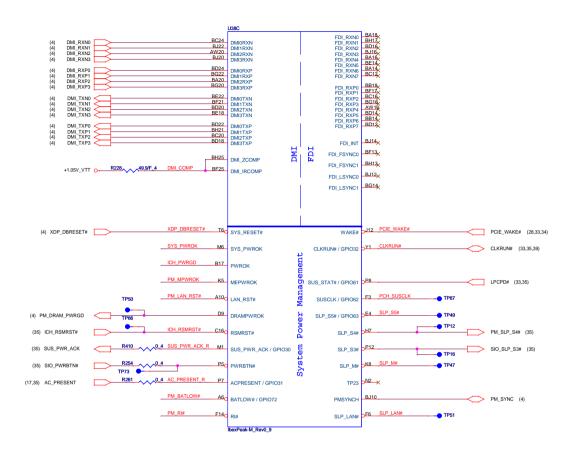


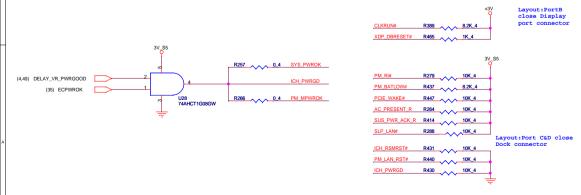






## IBEX PEAK-M (DMI, FDI, GPIO)

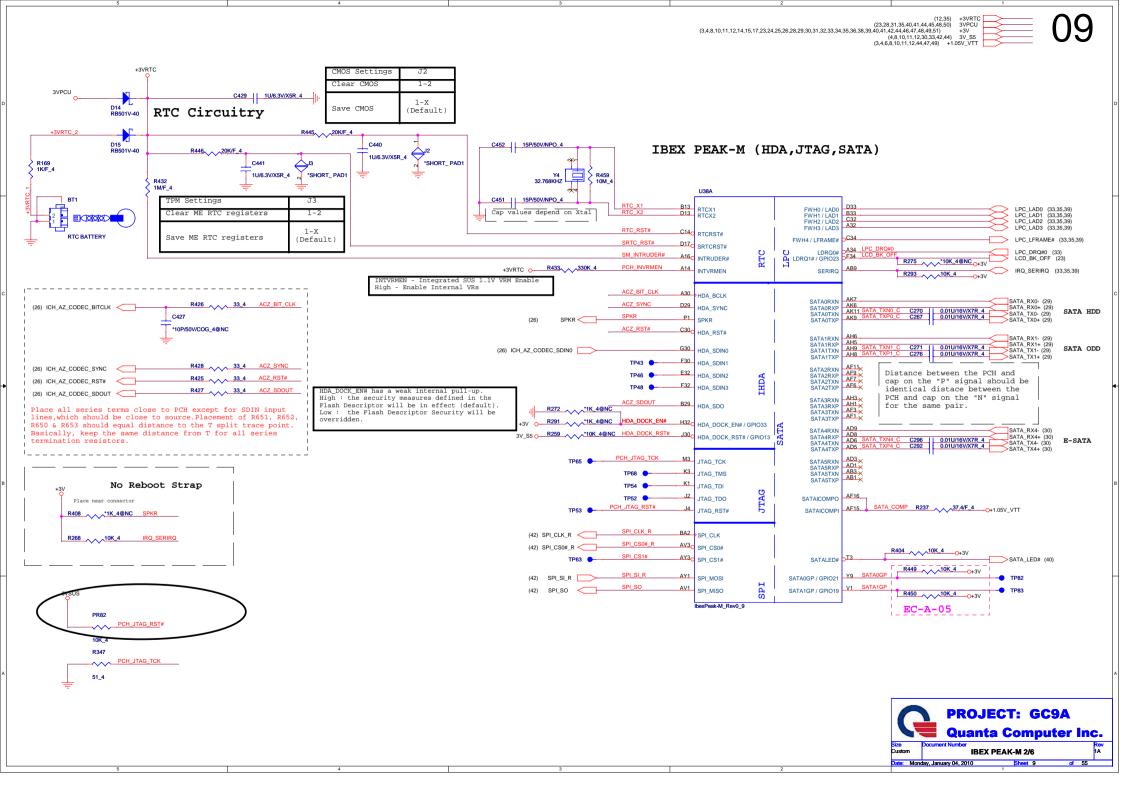


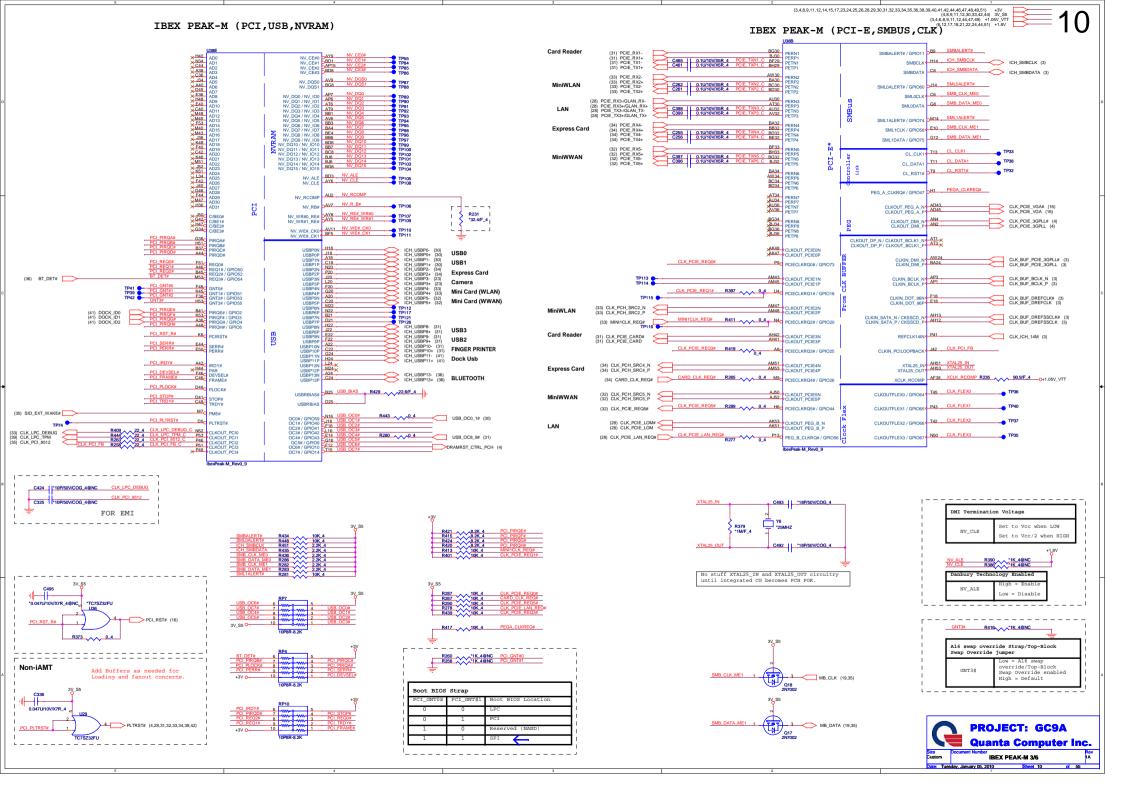


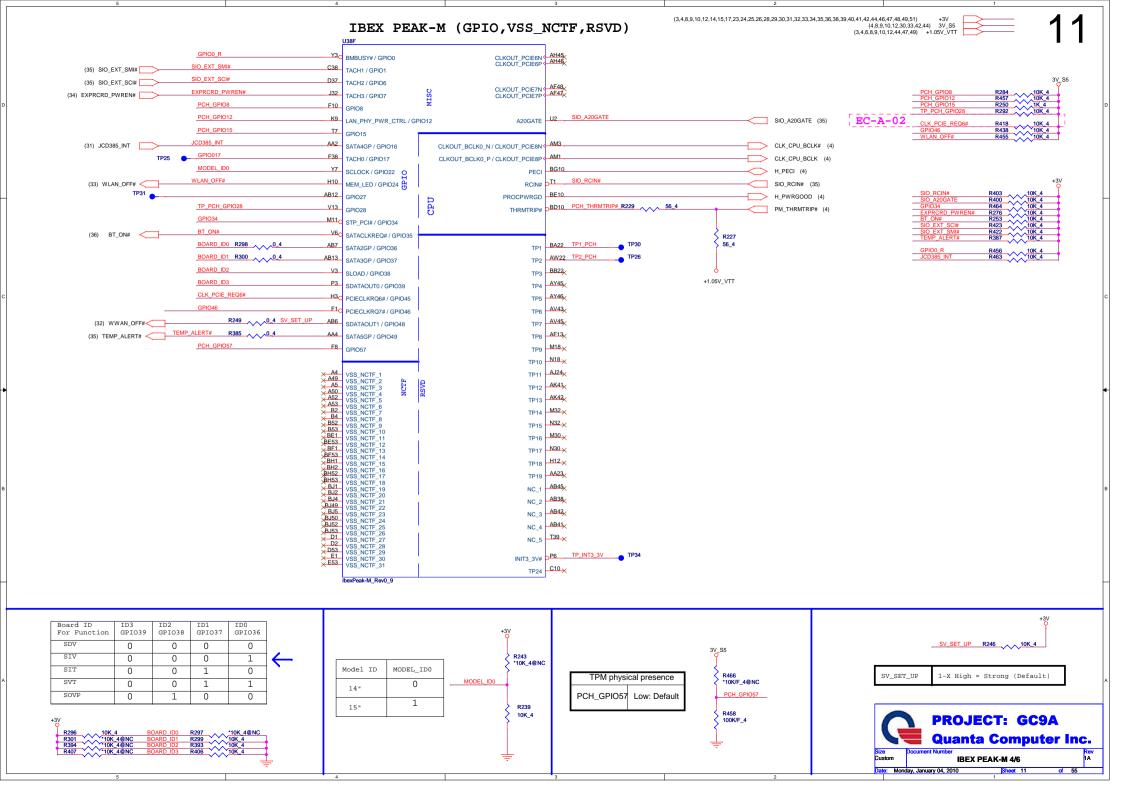
## IBEX PEAK-M (LVDS,DDI)

THE CHILDRY LYDE NOT THE CHILDRY LYDE LYDE NOT THE CHILDRY LYDE NOT THE			U38D			
### AB46		√ T48	L_BKLTEN			
*** ABABE*** L. DDC, CLK ***  ***Y45*** L. DDC, CDTA***  ***BBABE*** L. CTRL CLK ***  ***LOBA L. CTRL CLK ***  **LOBA L. CT			L_BKLTCTL			
*** ABAGE   LCTRL CLK   AB20   LVD   JBG   SDVO_CTRLCLK   TSL   TS		× Y45			SDVO_INTN	BF45
APA1		XB46 X V48			SDVO_INTP	^
### A		AP41	LVD_IBG LVD_VBG			
### APP   LVDSA CIK   DDPB   D		AT43 AT42		1		BJ44
BB42		AV53 AV51	LVDSA_CLK#		-	BD42
ASS_C   LVDSA DATAM   Q		BB47	5 5	1	DDPB_0P	
XYASC   LVDSA DATAN2		BA52	LVDSA_DATA#0	l aı	DDPB_1N DDPB_1P	BG42
### ADAG   CRT   DDPC CH		AY48C	LVDSA_DATA#2	ŭ	DDPB_2N	
### ADAG   CRT   DDPC CH			LVDSA_DATA#3	E a		AW38
### ADAG   CRT   DDPC CH		BB48		i ii		BA38
### ADAG   CRT   DDPC CH		AY49		L G		
### ADAG   CRT   DDPC CH		AV48		Ē		Y49
APSI					DDPC_CTRLDATA	AD-13X
AUST   LVDSB_DATA0		AP48		1 2		DEM.
AUST   LVDSB_DATA0		^	LVDSB_CLK	1 6	DDPC_AUXN	BD44
AUST   LVDSB_DATA0		AY53C		Ω.	DDPC_HPD	AV40
AUST   LVDSB_DATA0		AU52	LVDSB_DATA#1	1 6	DDDO ON	BE40.
AUST   LVDSB_DATA0				ΙÄ	DDPC_0P	BD40
ABS2		AY51		1	DDPC 1N	BH41
ABS2		AT48		์เซ	DDPC_1P DDPC_2N	BD38
ABS2		AU50 AT51	LVDSB_DATA2	1 #	DDPC_2P	
ABS2		XIII	LVDSB_DATA3	<u></u> თ	DDPC_3N	
ABS2				1 7		
Section   Sect		AA52	CDT DILIE		DDDD CTDLCLK	U50 🗸
CAT_DDC_CLK		AB53	CRT_GREEN			U52 🗙
XYS1 ORT, DDC, CLK XYS2 ORT, DDC, CLK DDPD, LND ATTS,		X	CRT_RED			
AUSA   CRT_DDC_DATA   DDPD_HPD   AUSA		VE				BC46
XYS3		V53				AT38
XYS3		^	CKI_DDC_DATA	1	-	
Name		y Y53	CDT HEVNIC			BG40
DAC_IREF_R   AD48   DAC_IREF_ U   DDPD_2N   BE37   DDPD_2P   BH37   DDPD_2P   BH37   DDPD_3P   BE37   DDPD_3P   DDPD_3P   BE37   DDPD_3P   DDPD_3P   DDPD_3P   DDPD_3P   DDPD_3P   DDPD_3P   DDPD_3P   DDPD_3P			CRT_VSYNC		DDPD_1N	BJ38
ADM8. DAC_IREF DDPD_2P DPD_2N DDPD_3P			H	1	DDPD_1P	
R236 CRT_IRTN DDPD_3N DDPD_3P BD36	DAC_IREF_R		DAC_IREF C	1	DDPD_2P	BH37
R236		ABST	CRT_IRTN		DDPD_3N	BD36
₹	> R236 1K/0.5% 4		IhexPeak-M Rev0 o		DDFD_3P	^
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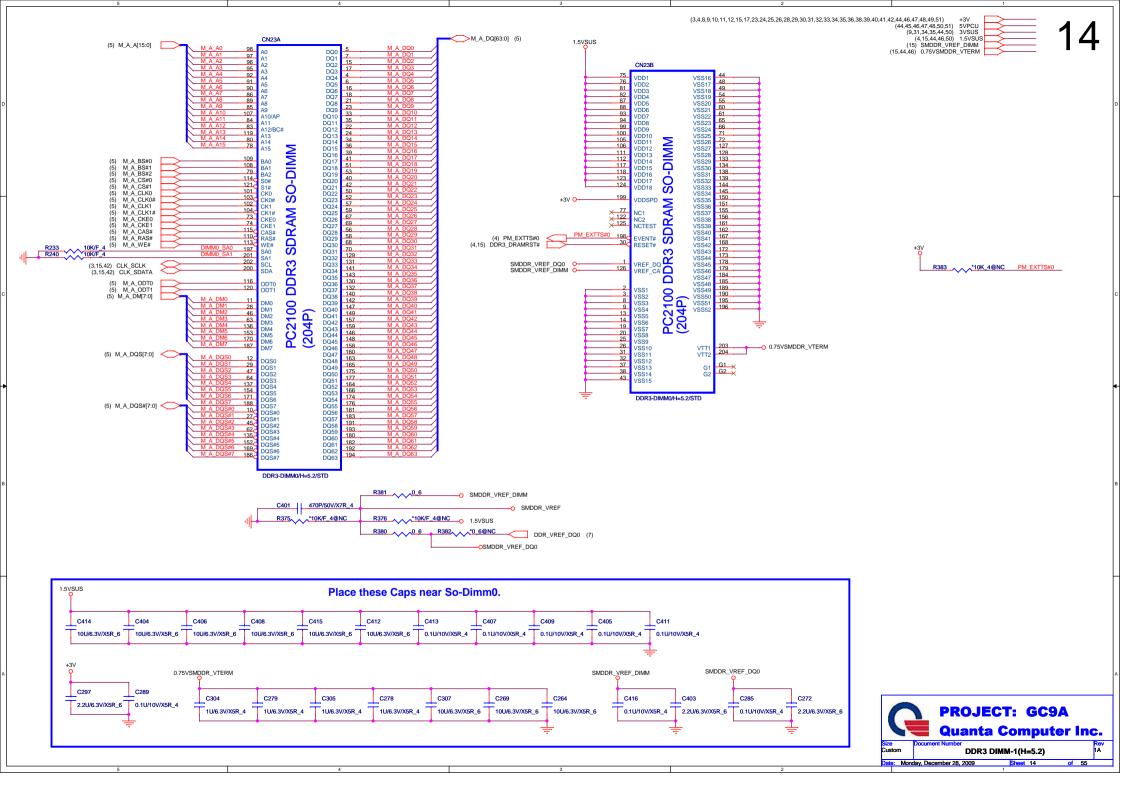


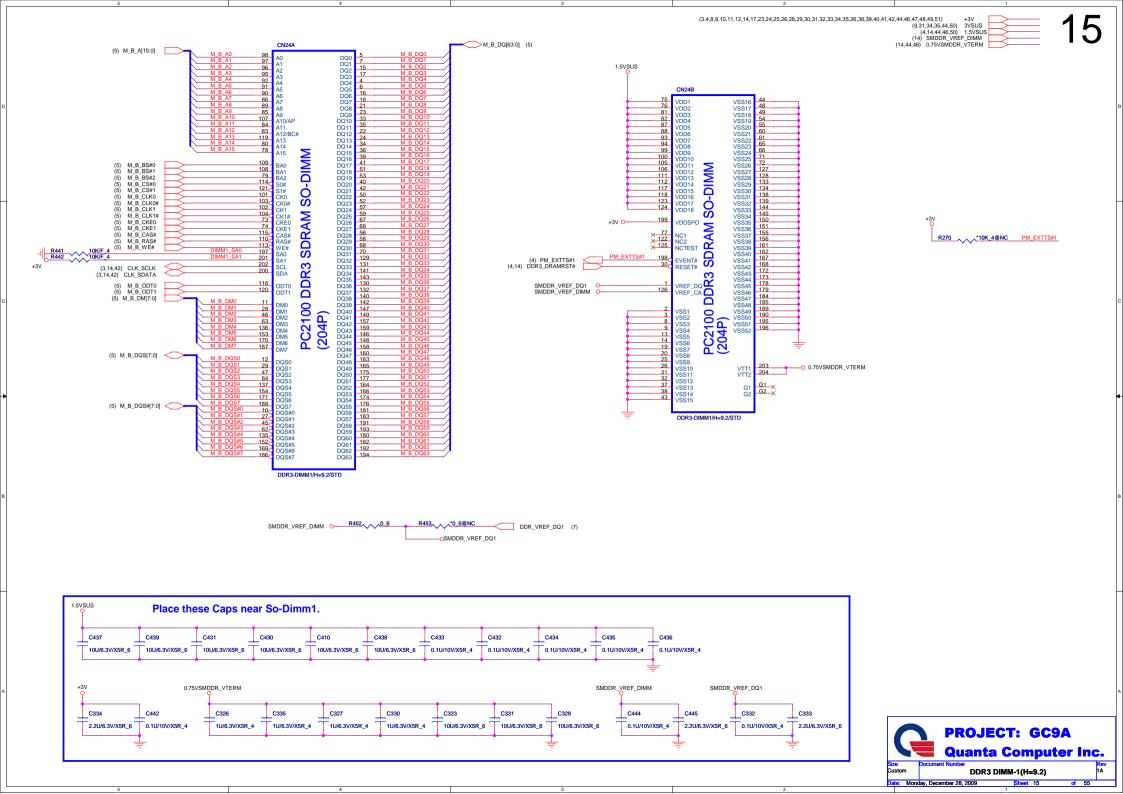


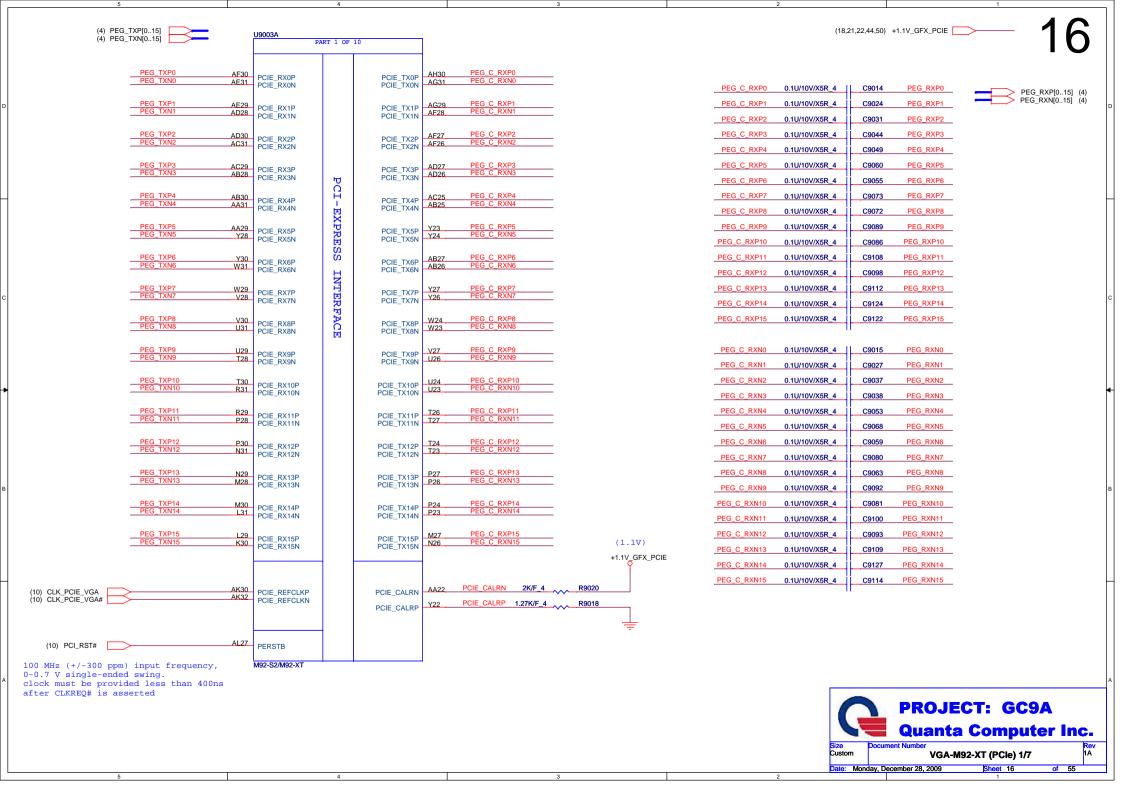


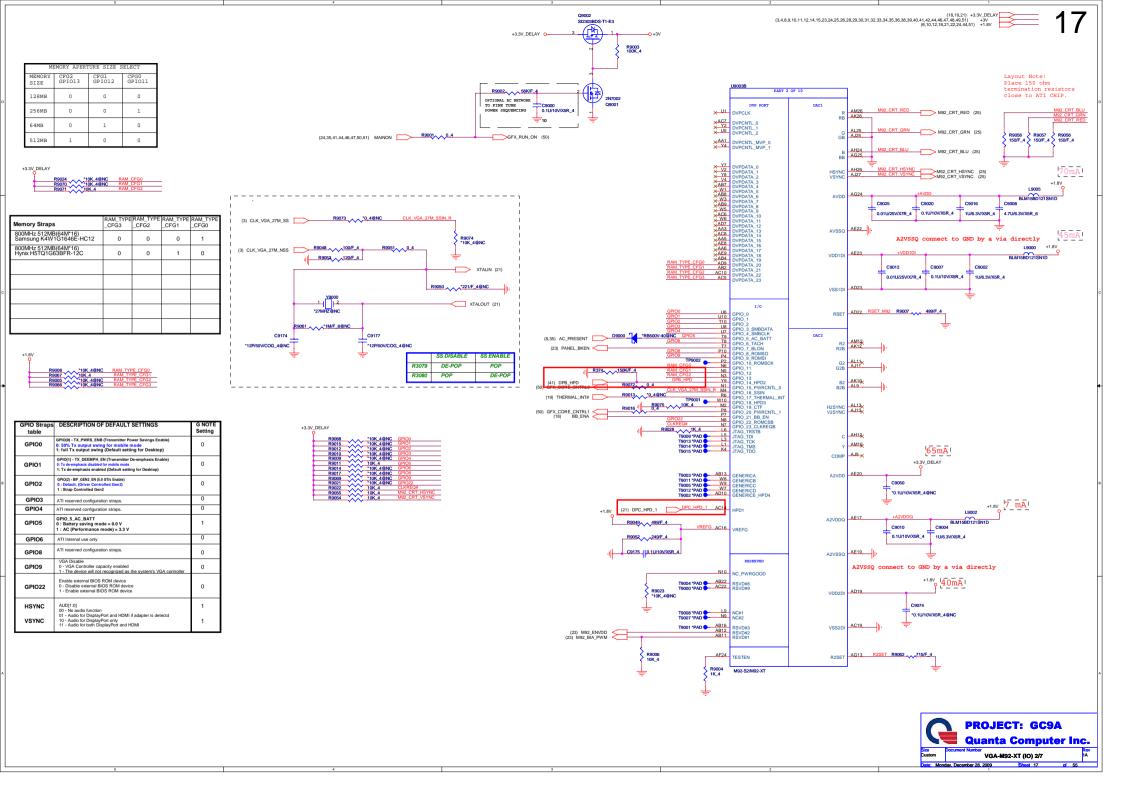


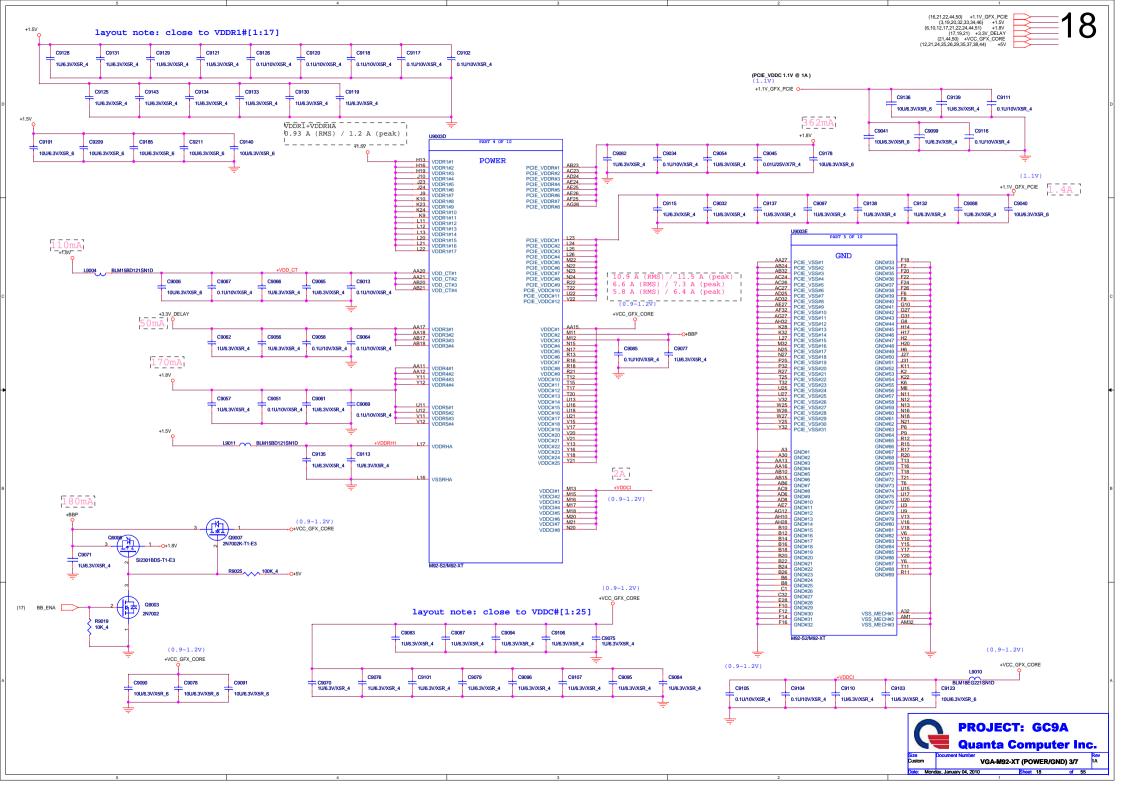


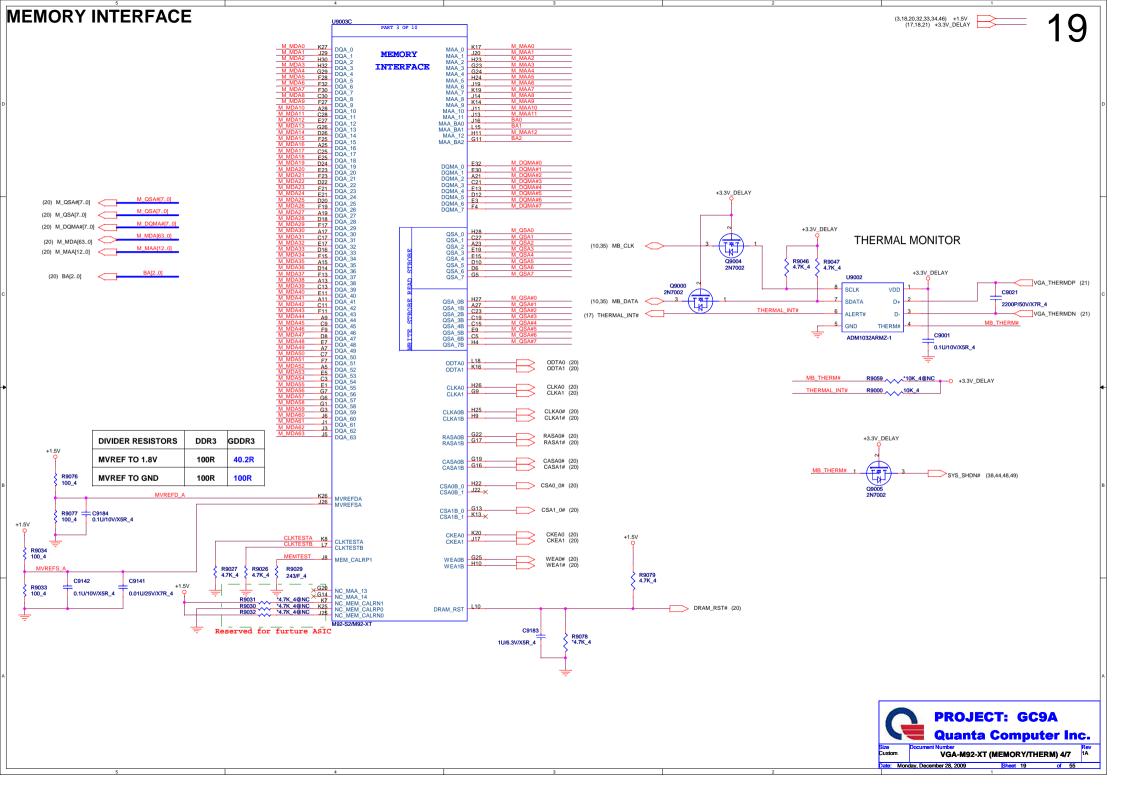


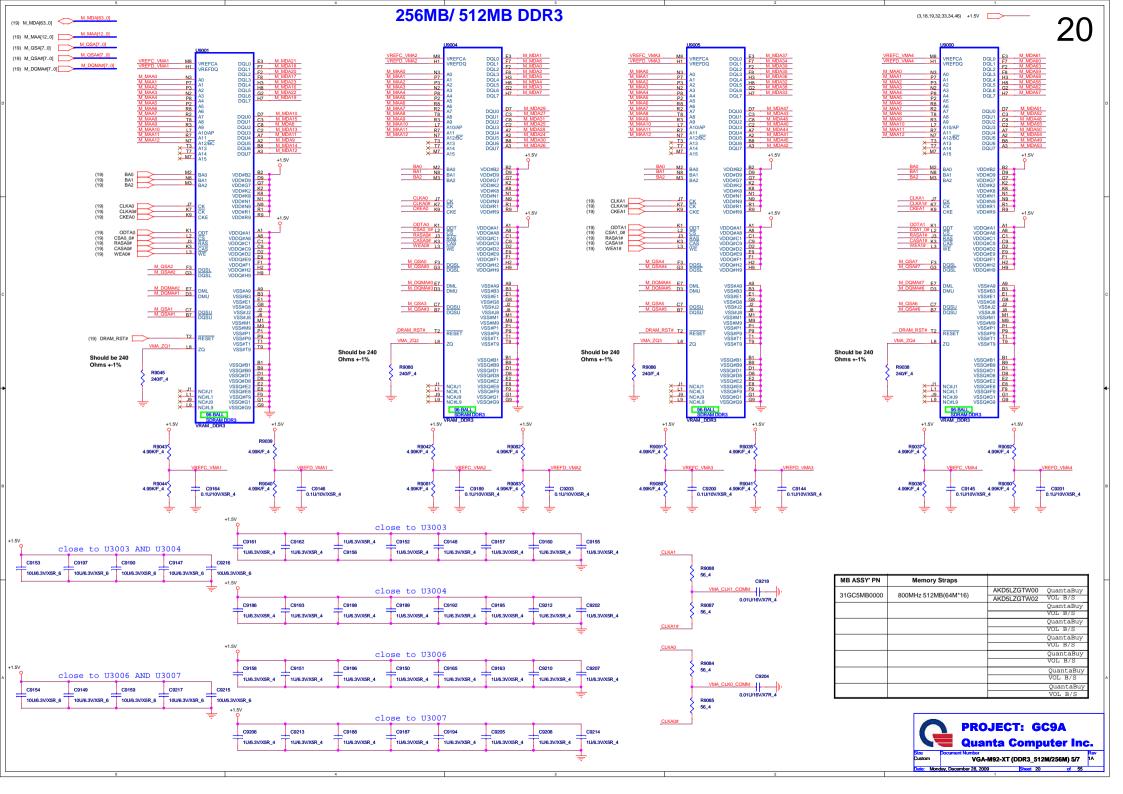


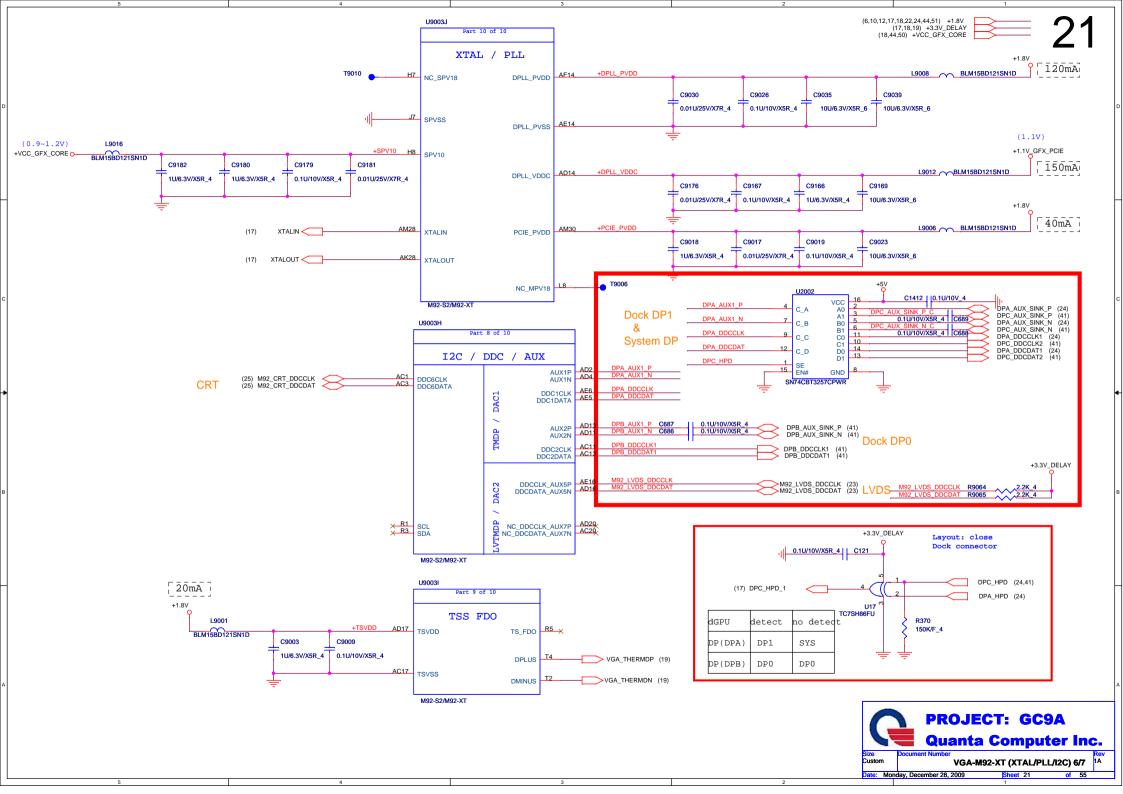


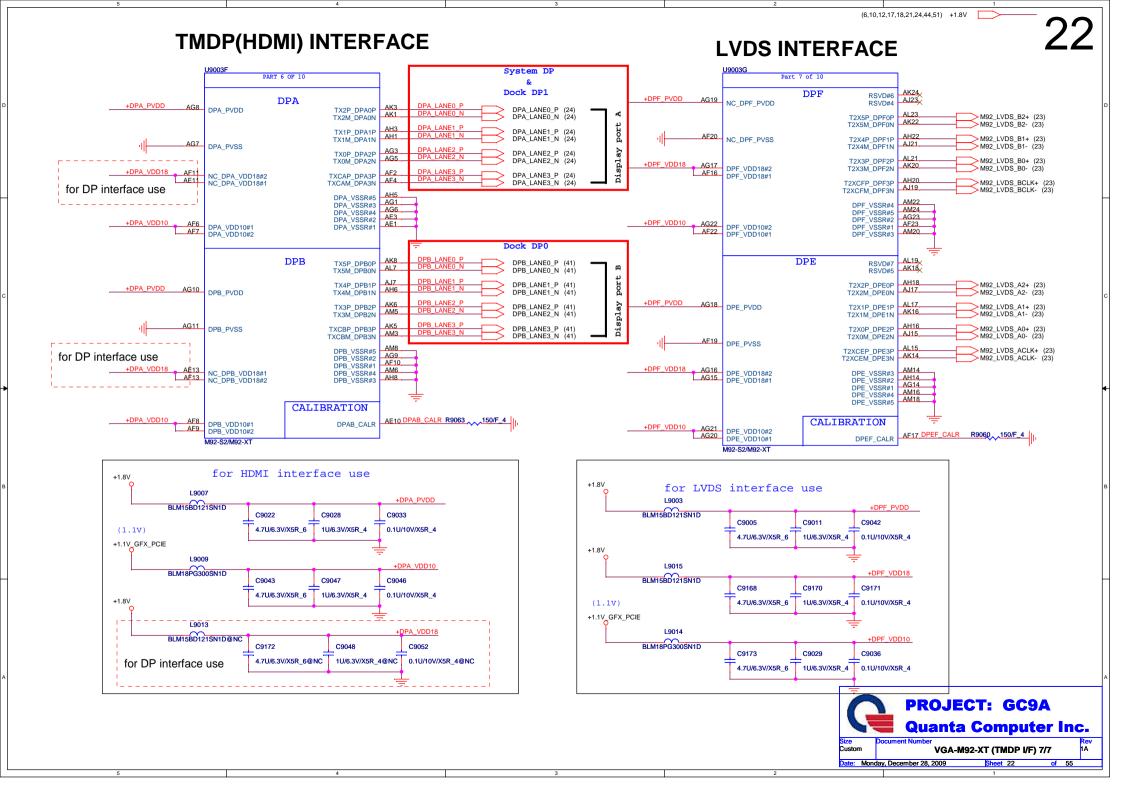


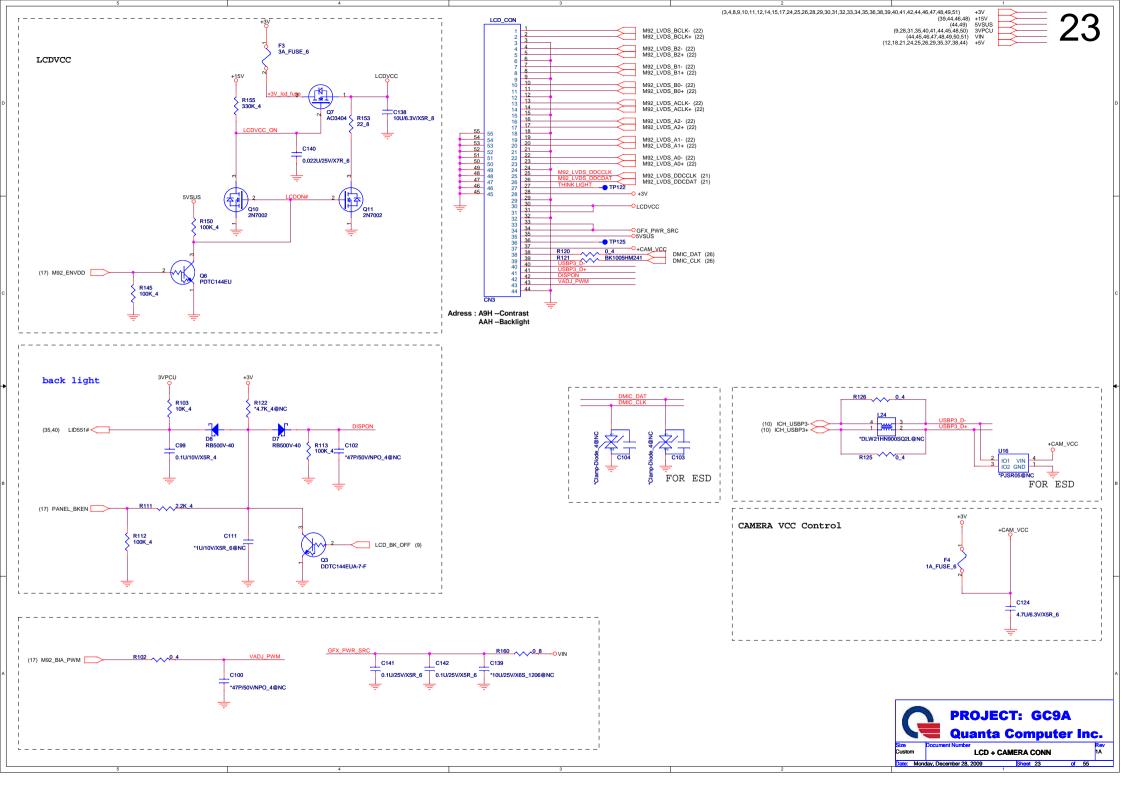


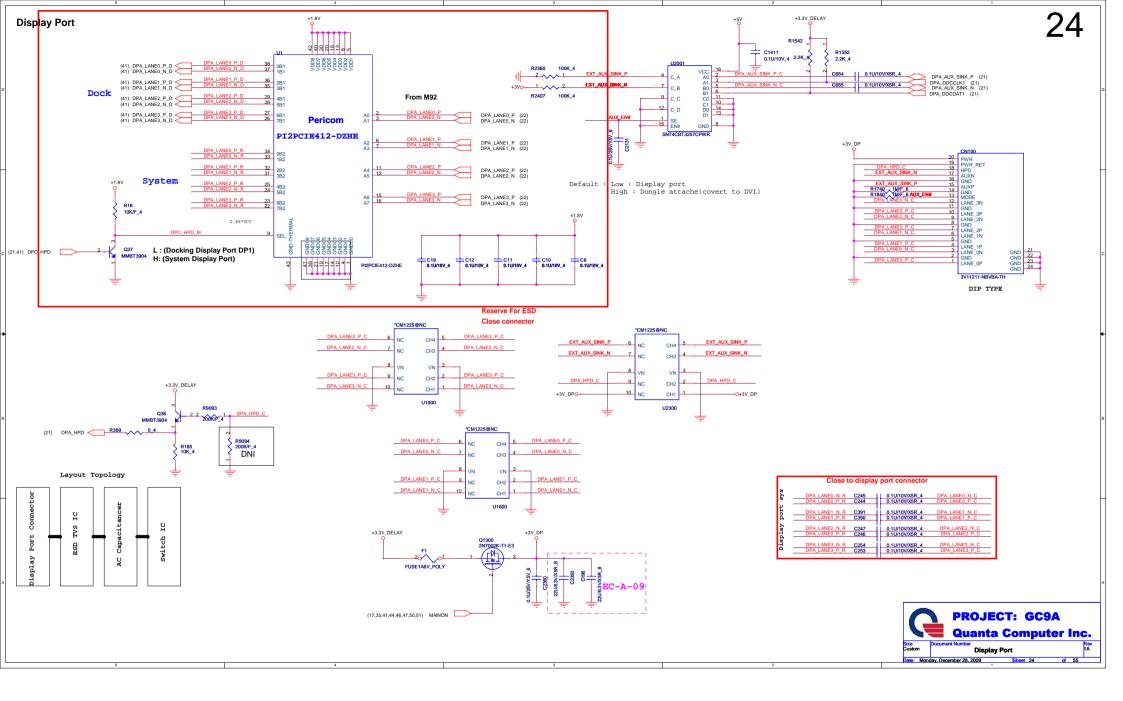


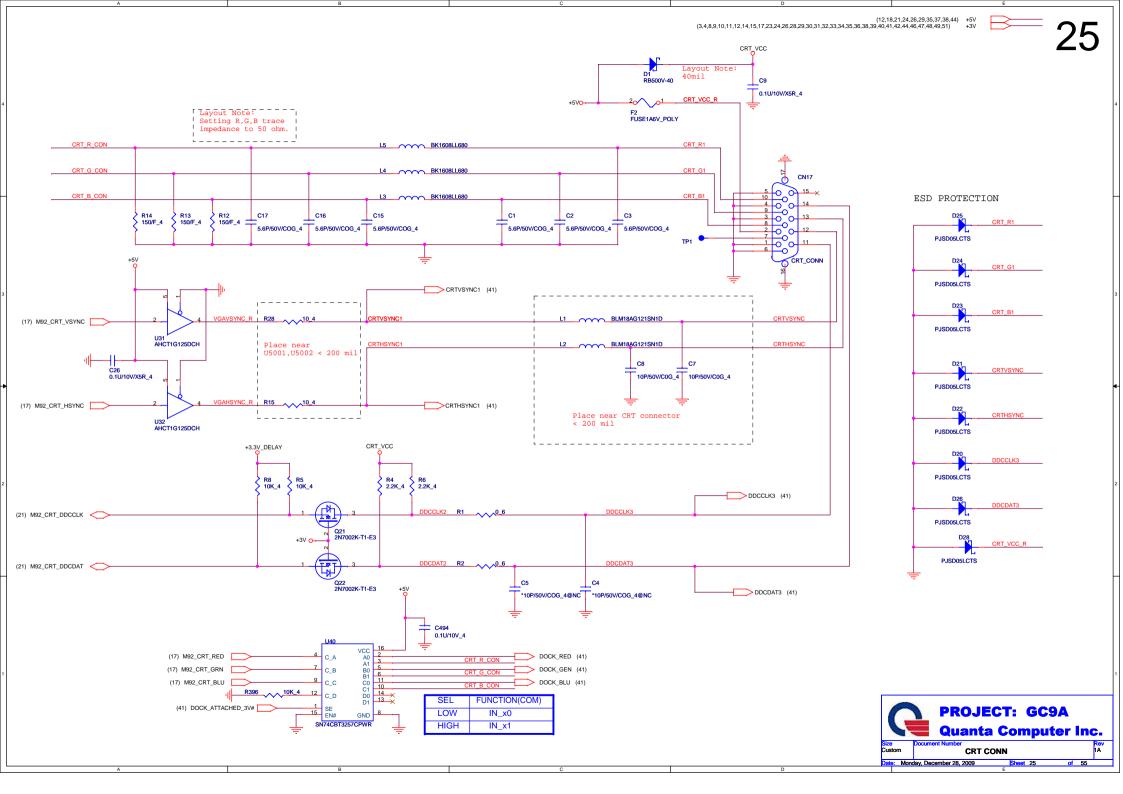


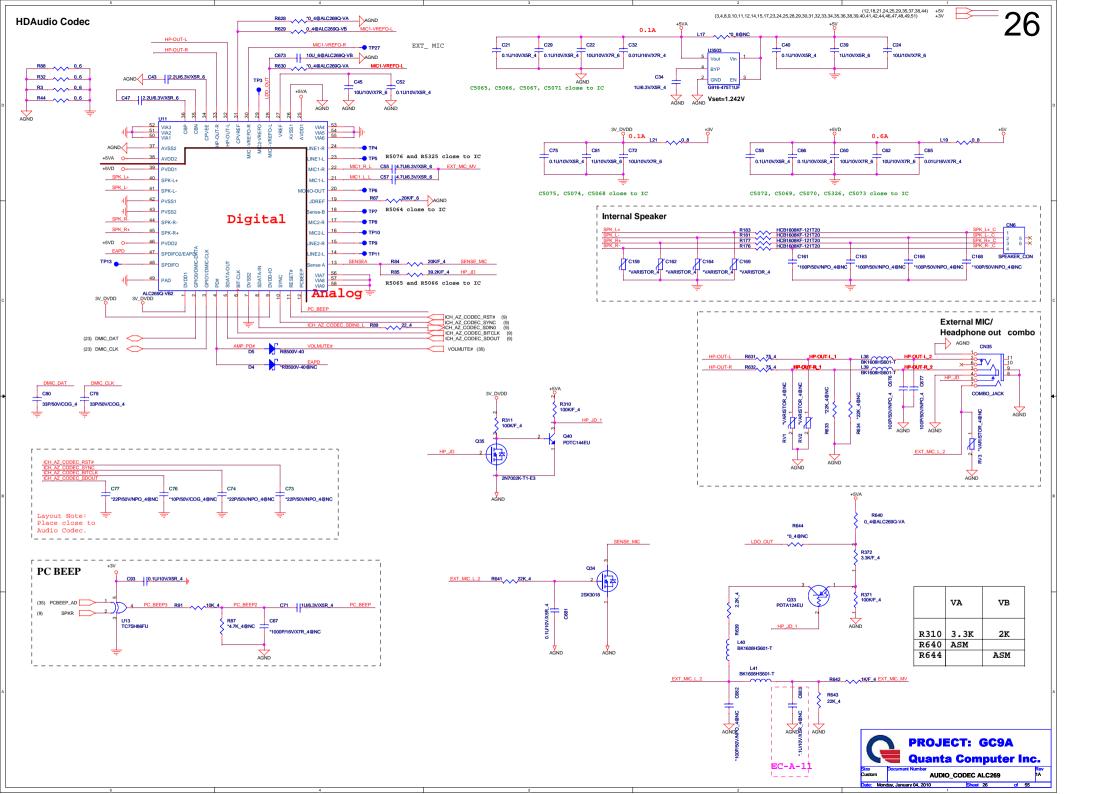


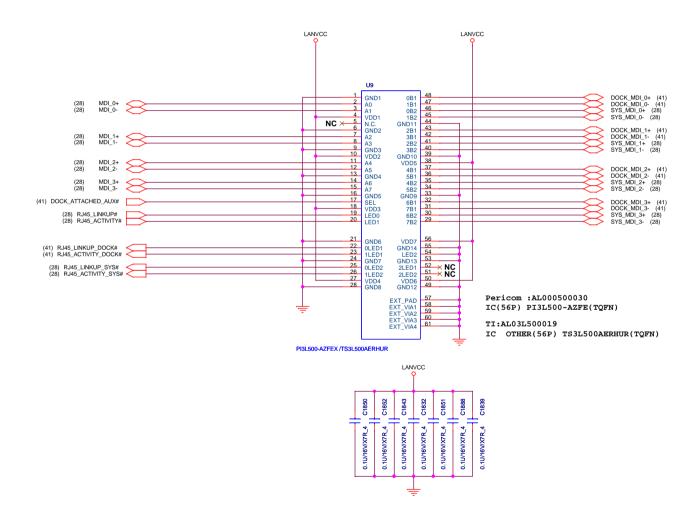




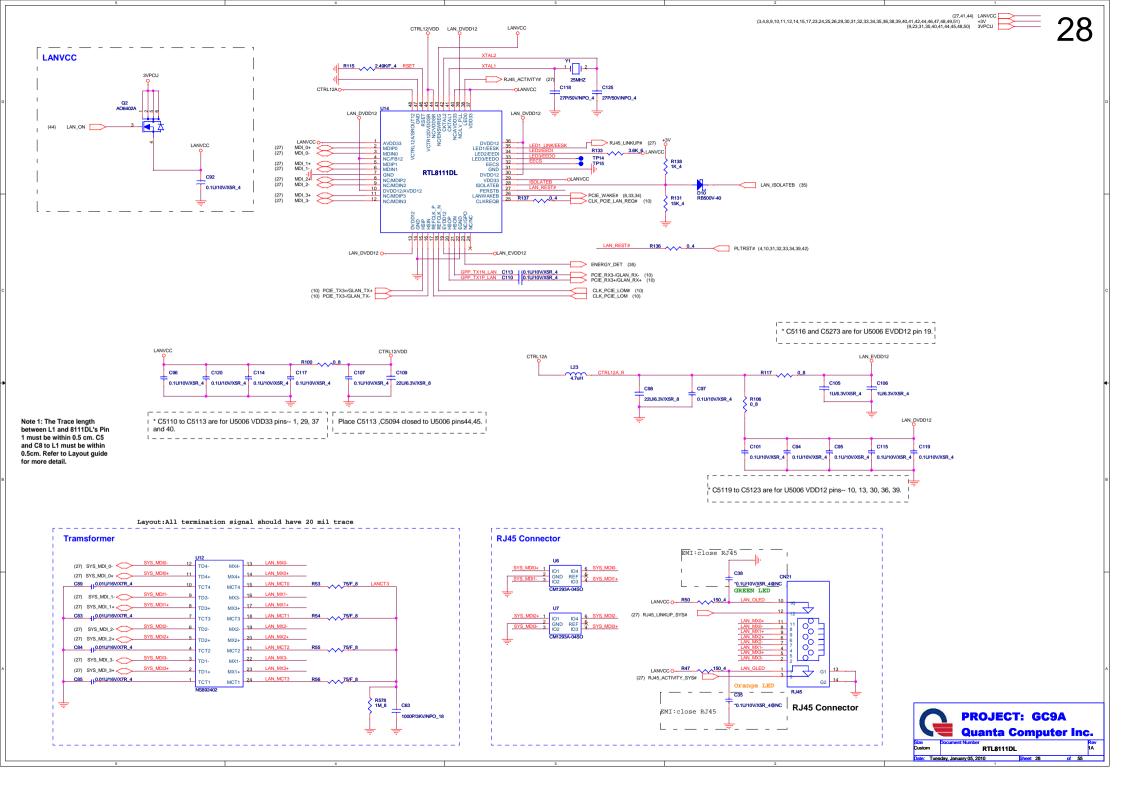


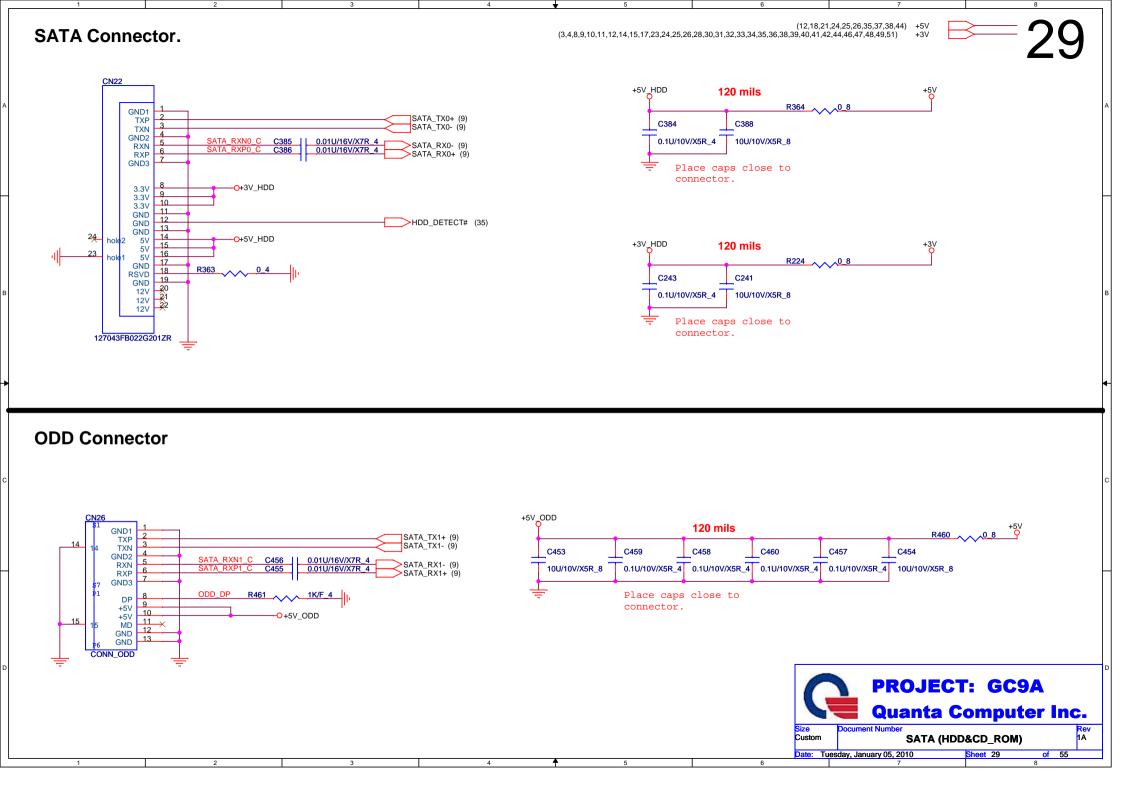


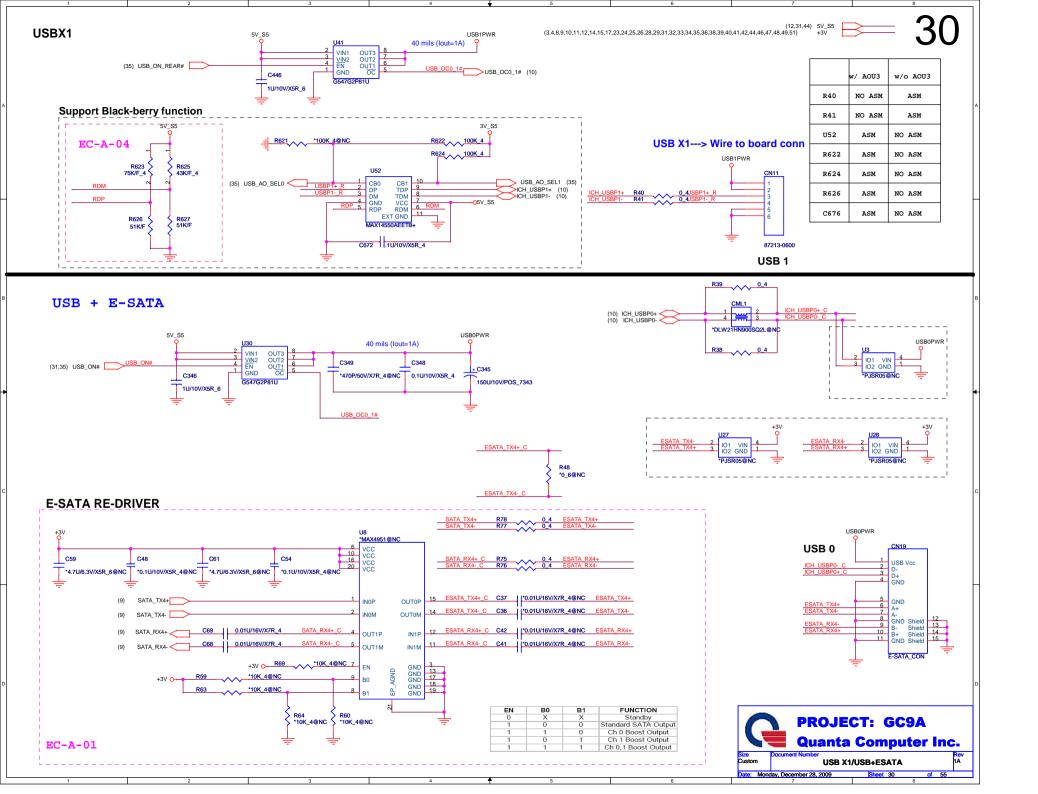


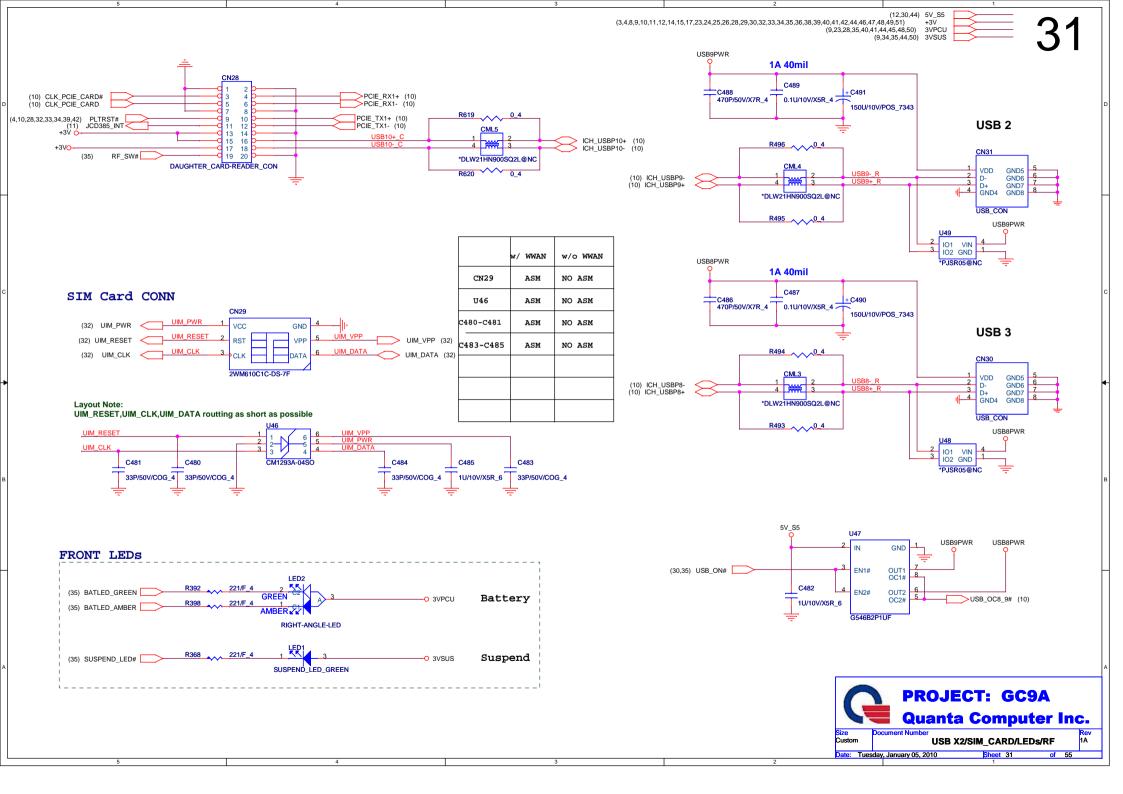






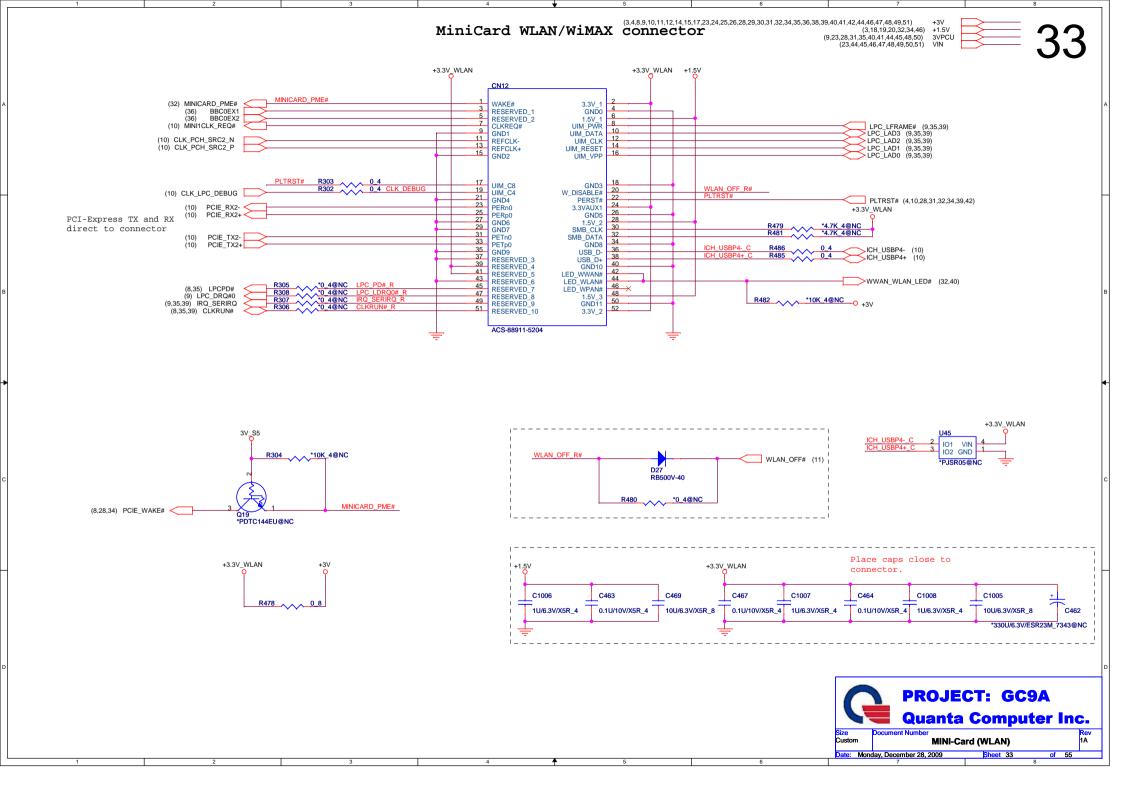


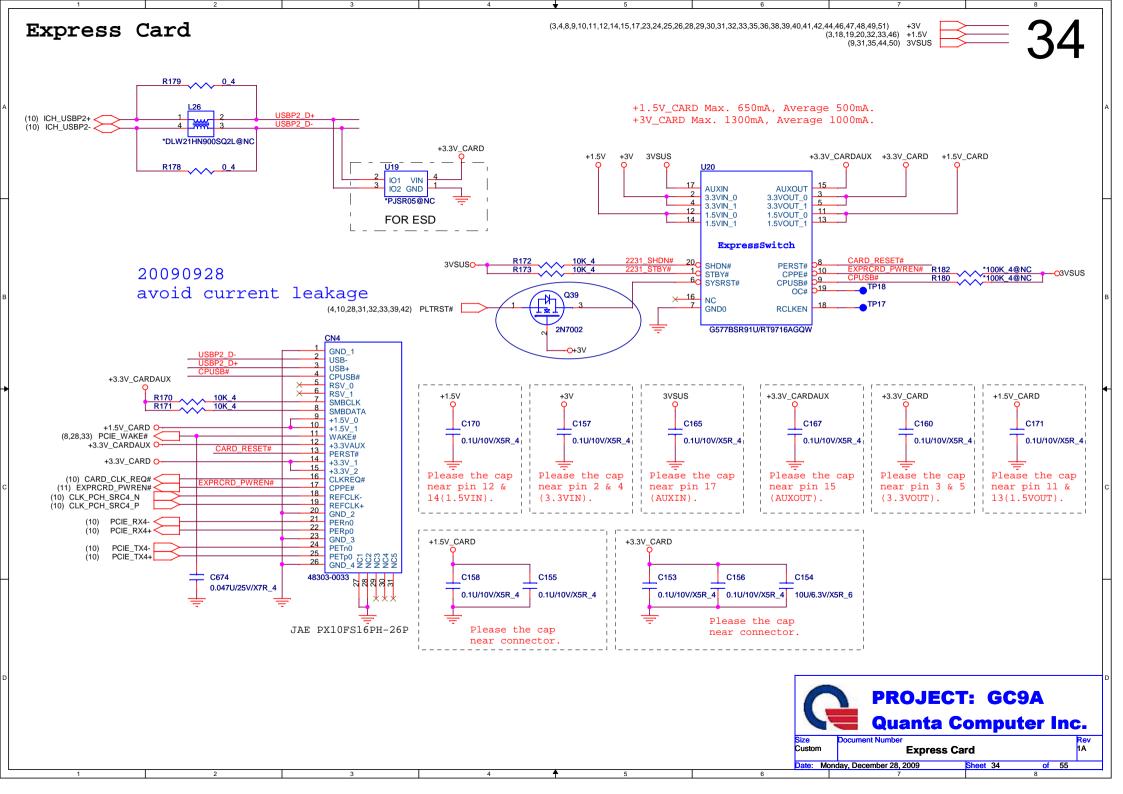


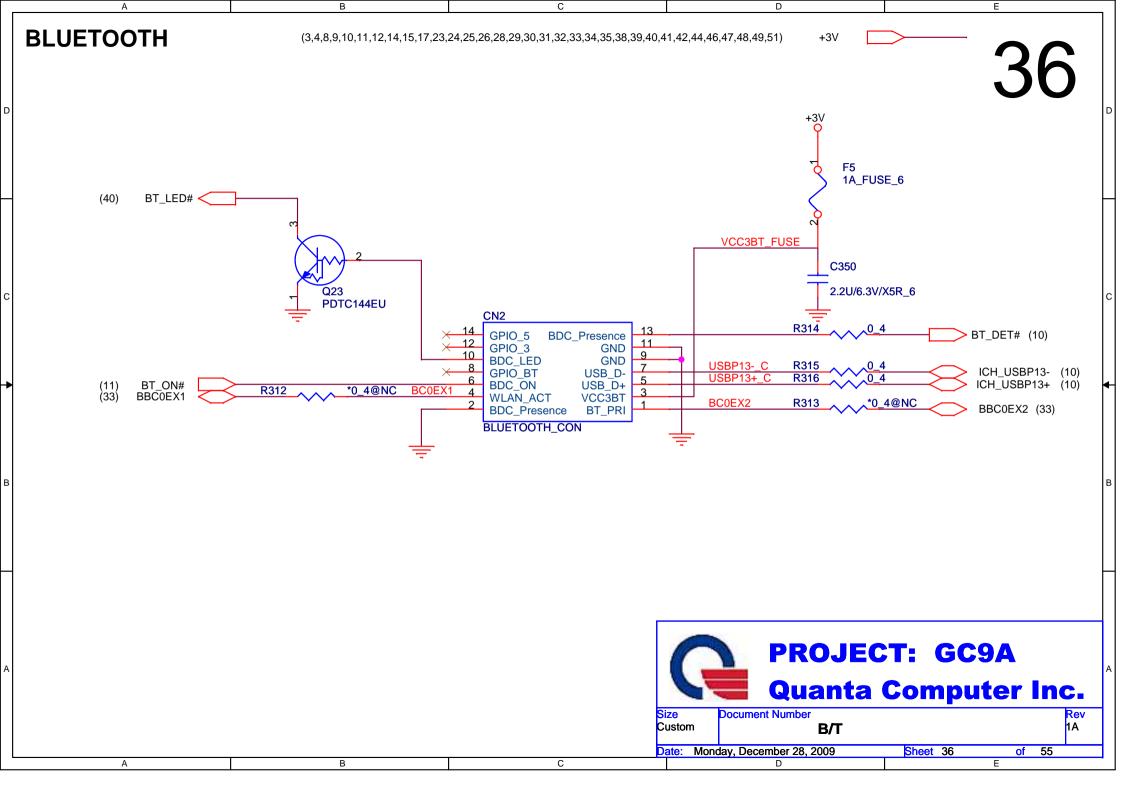


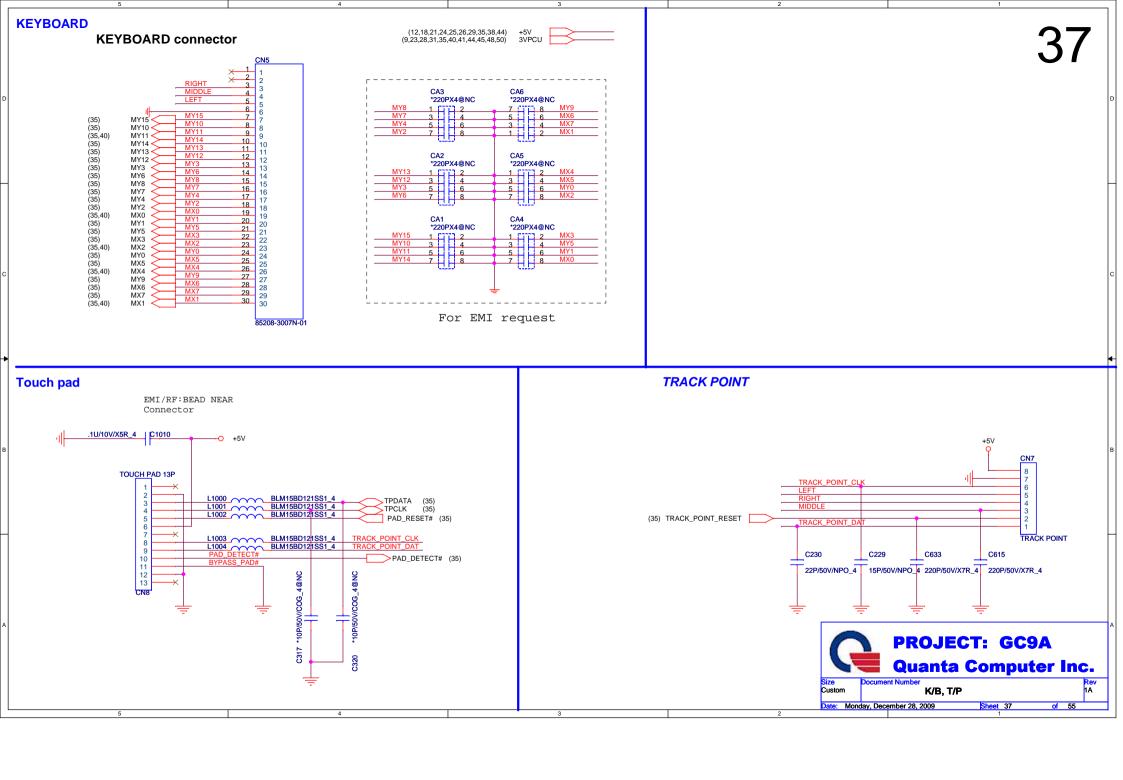
MINI-Card (UWB, WWAN)

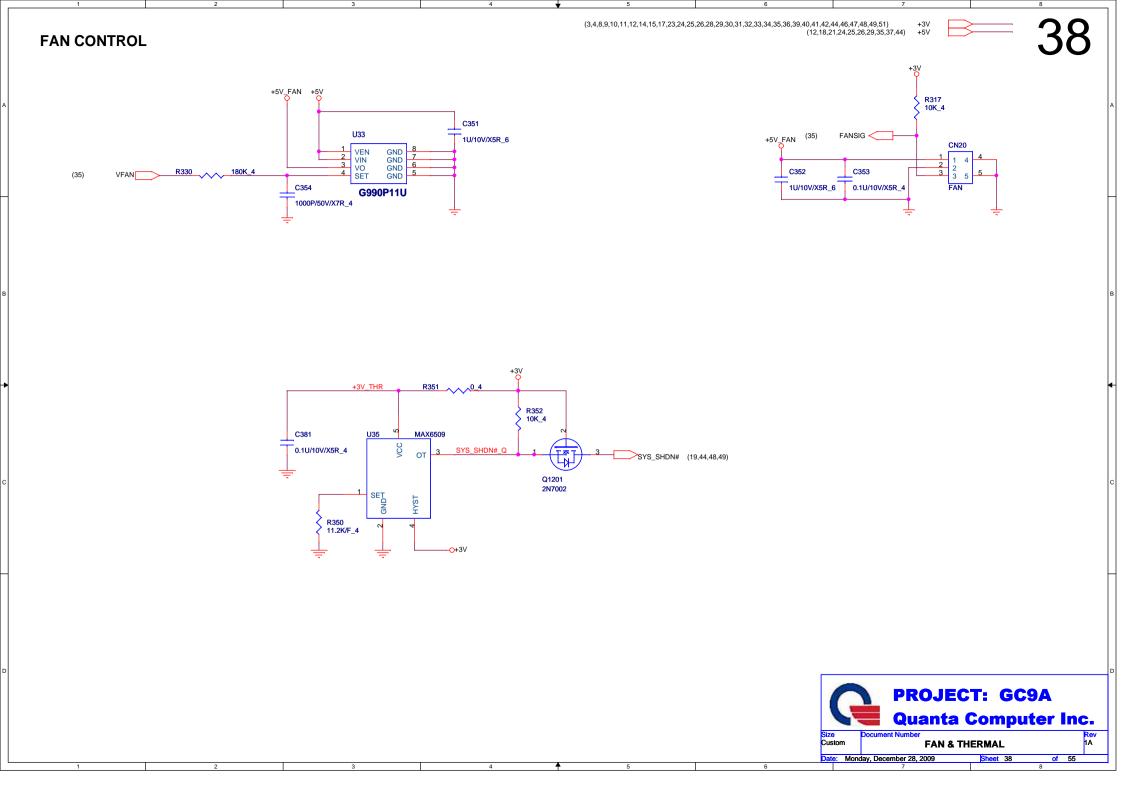
Date: Monday, December 28, 2009

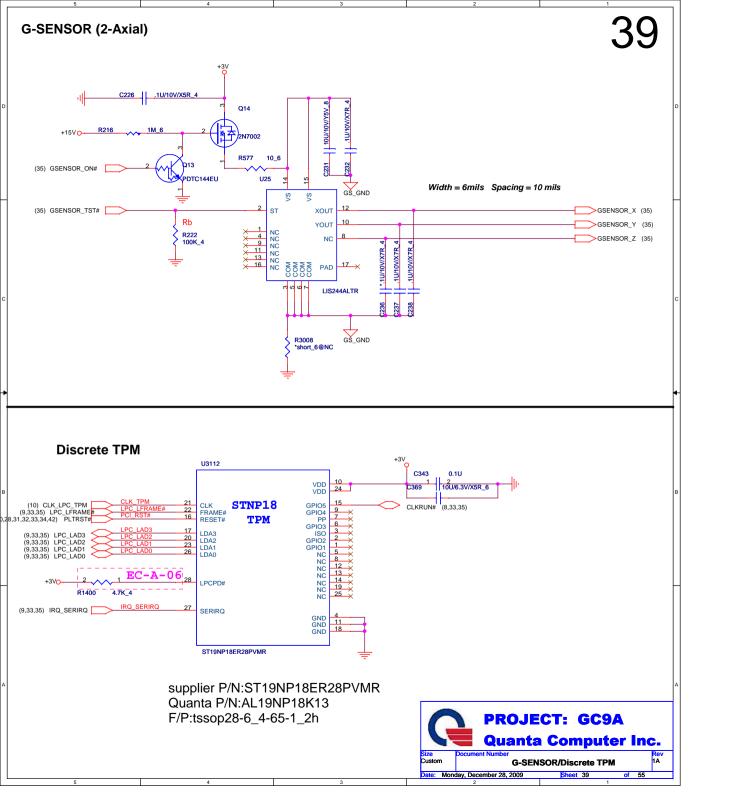


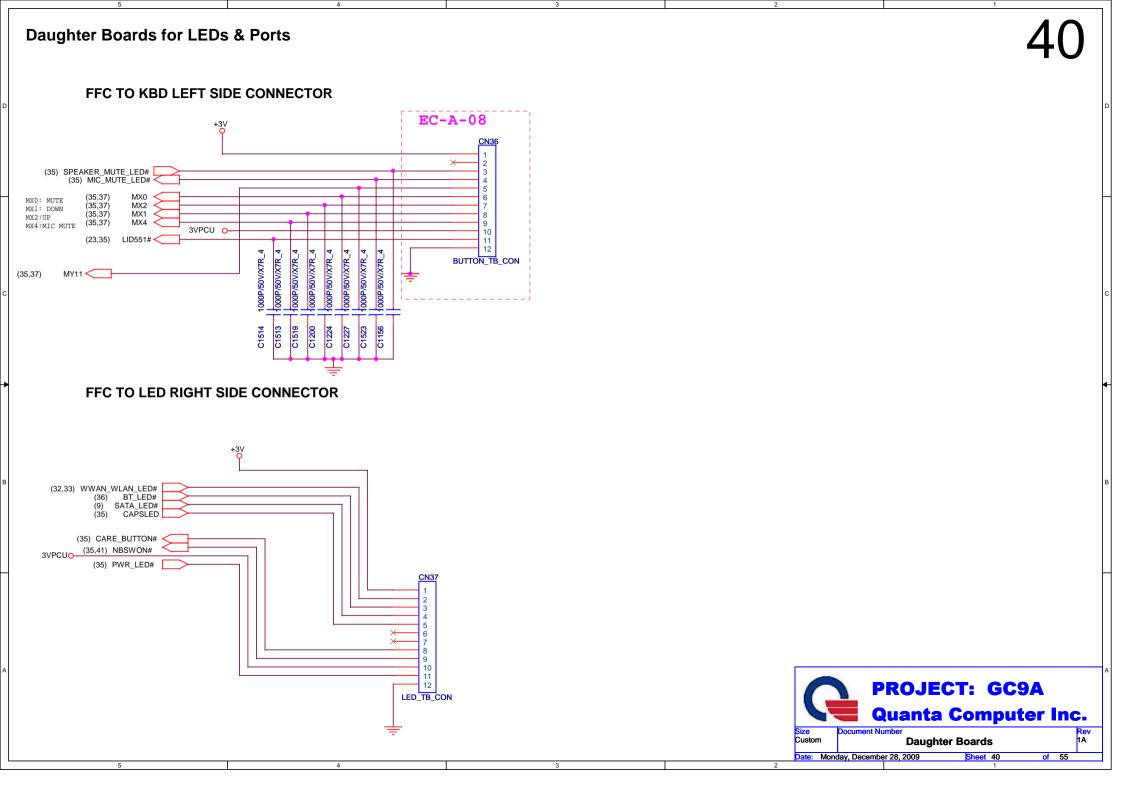


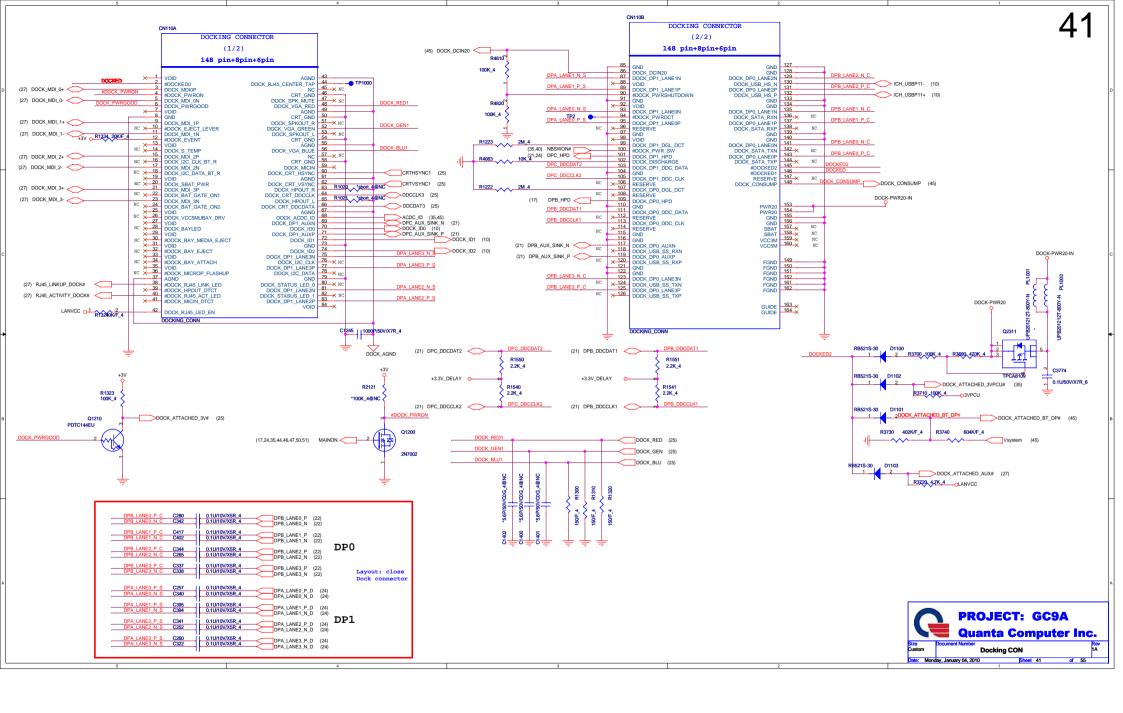


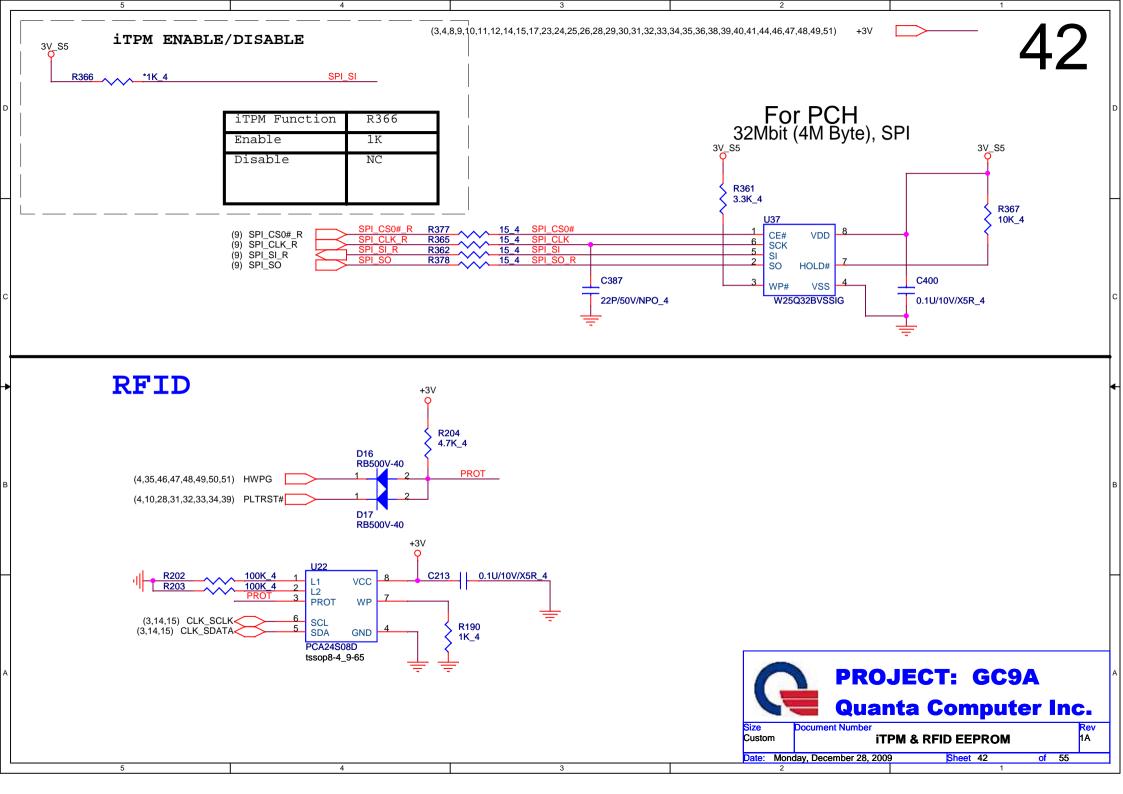


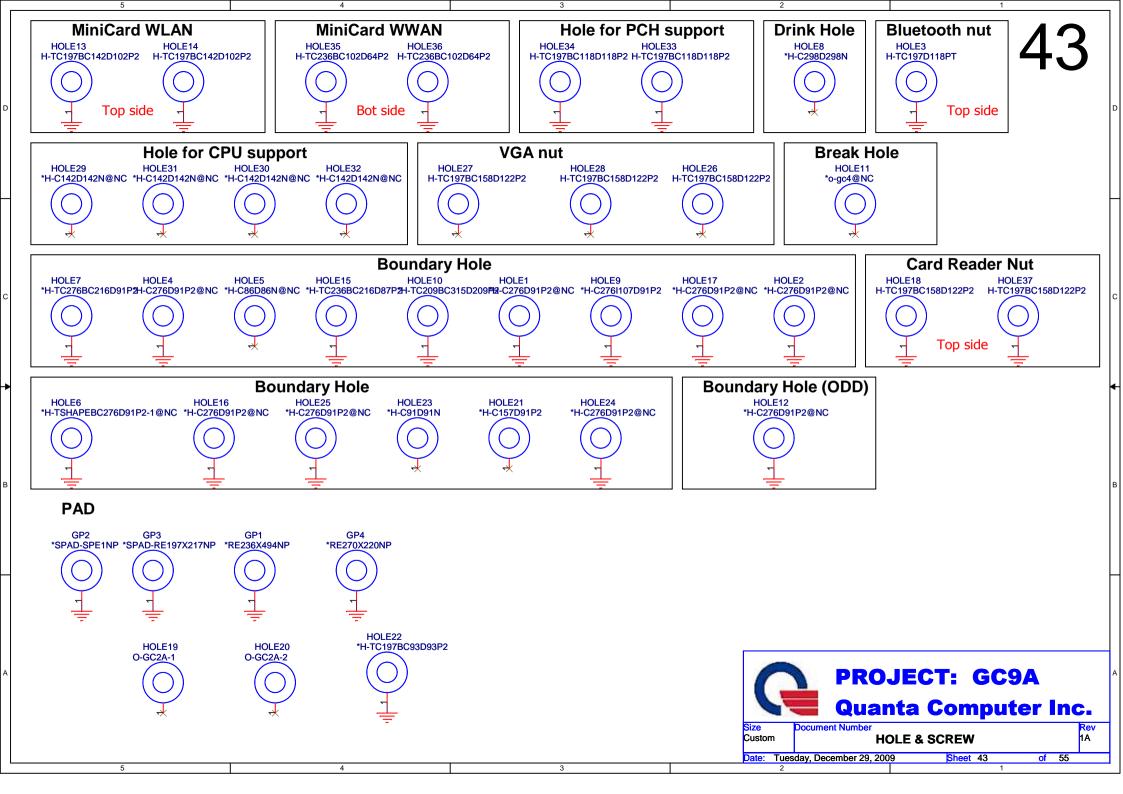


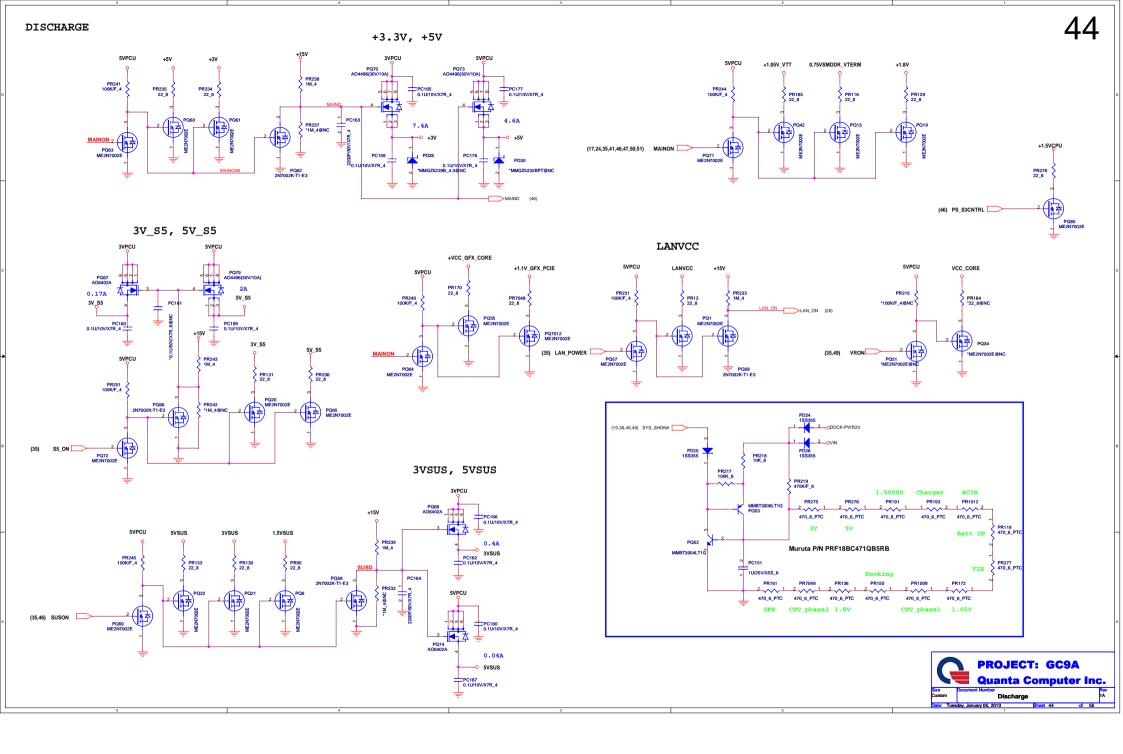


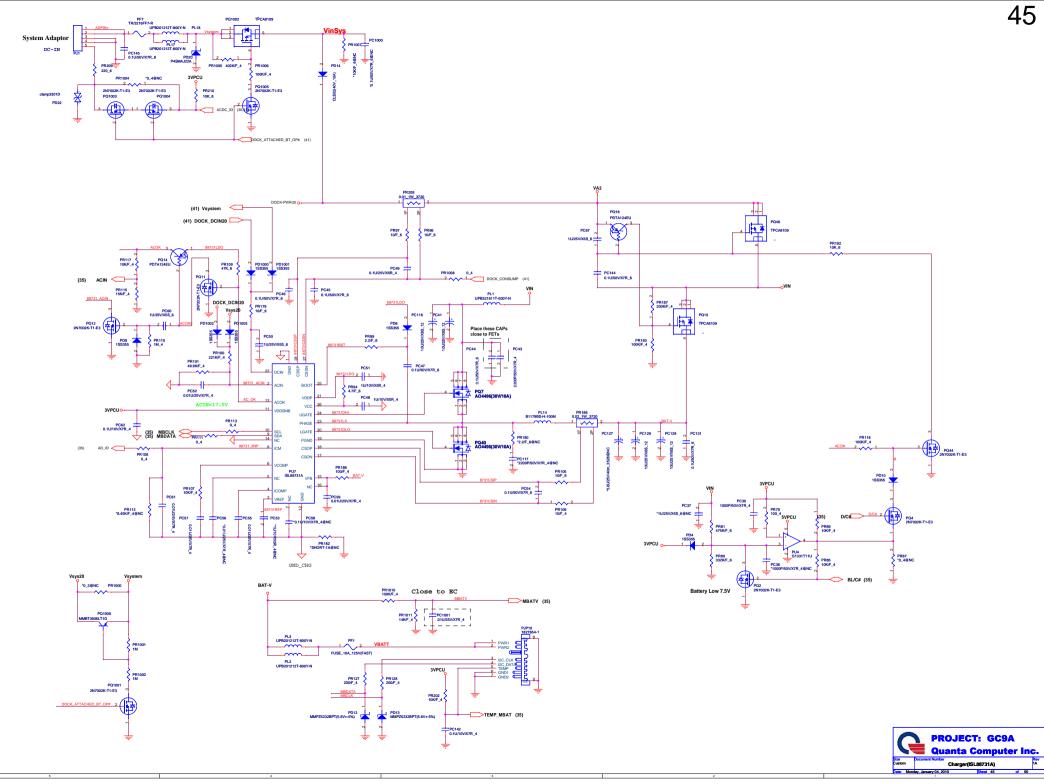


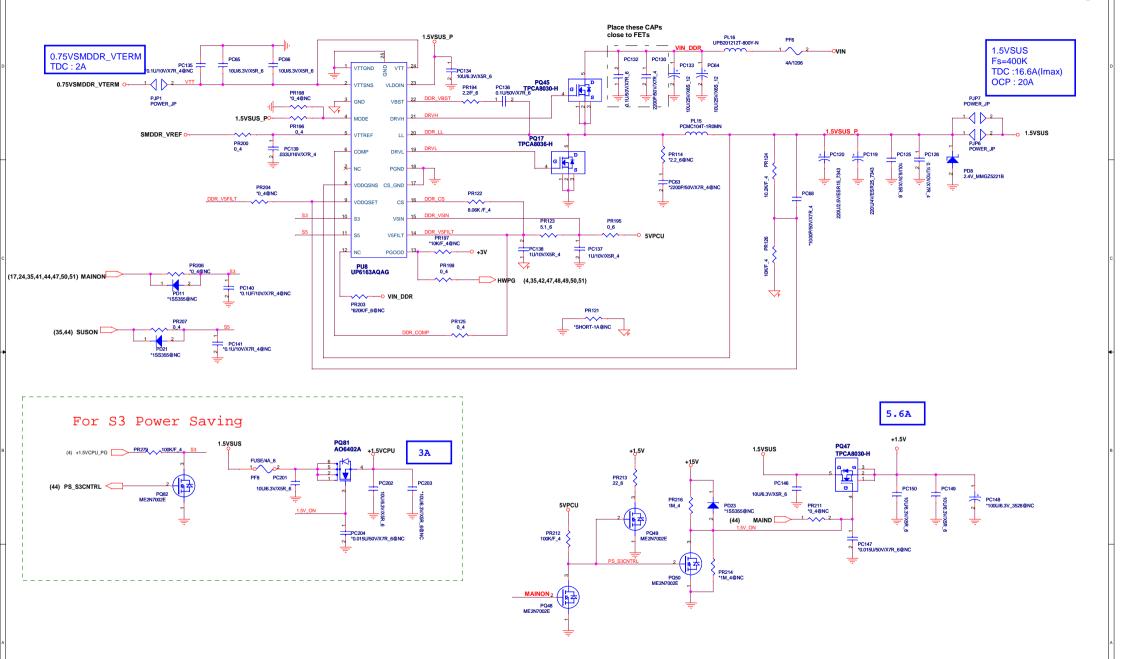




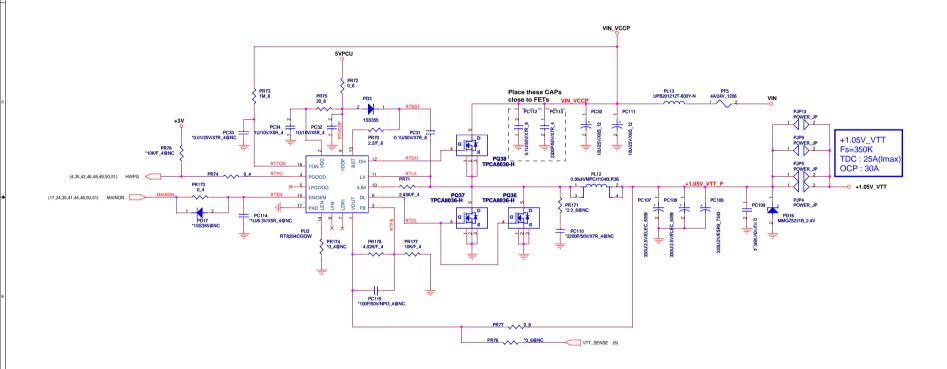




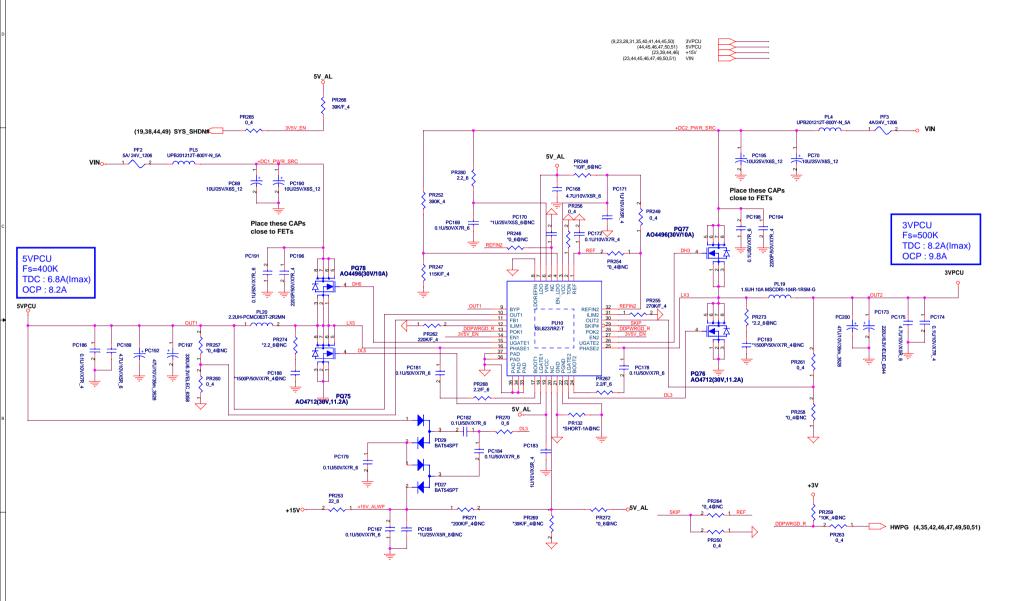




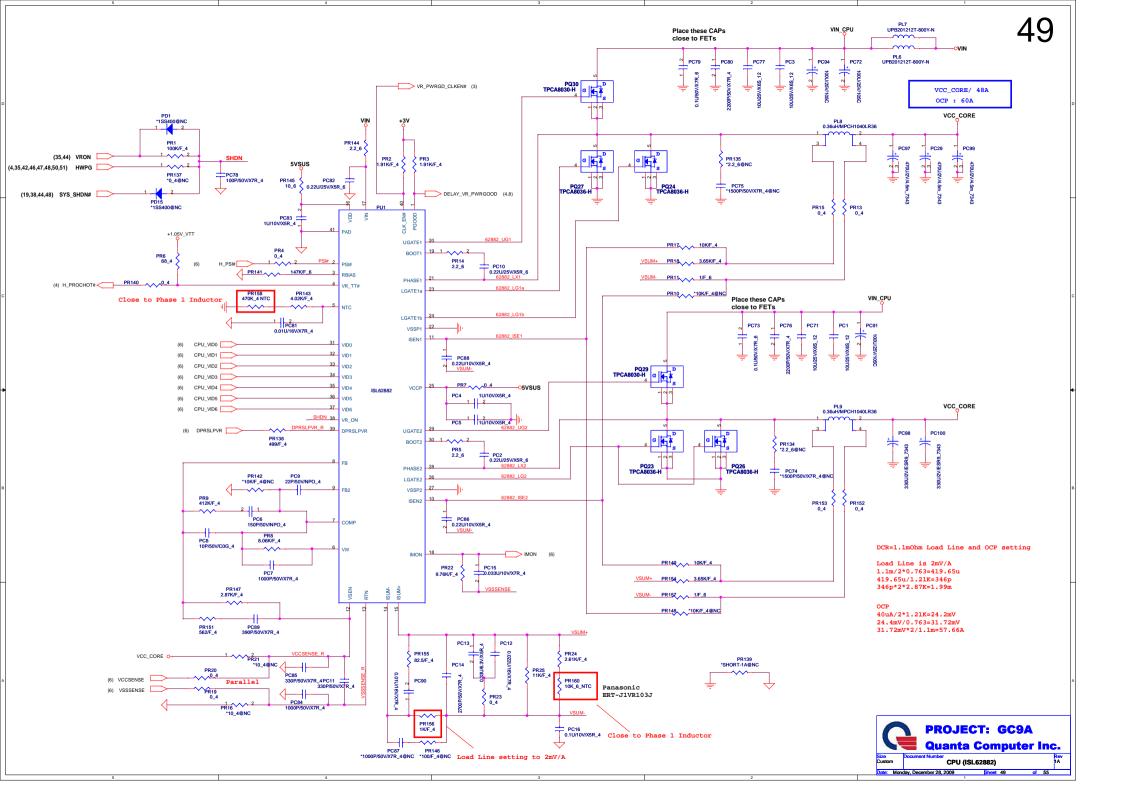


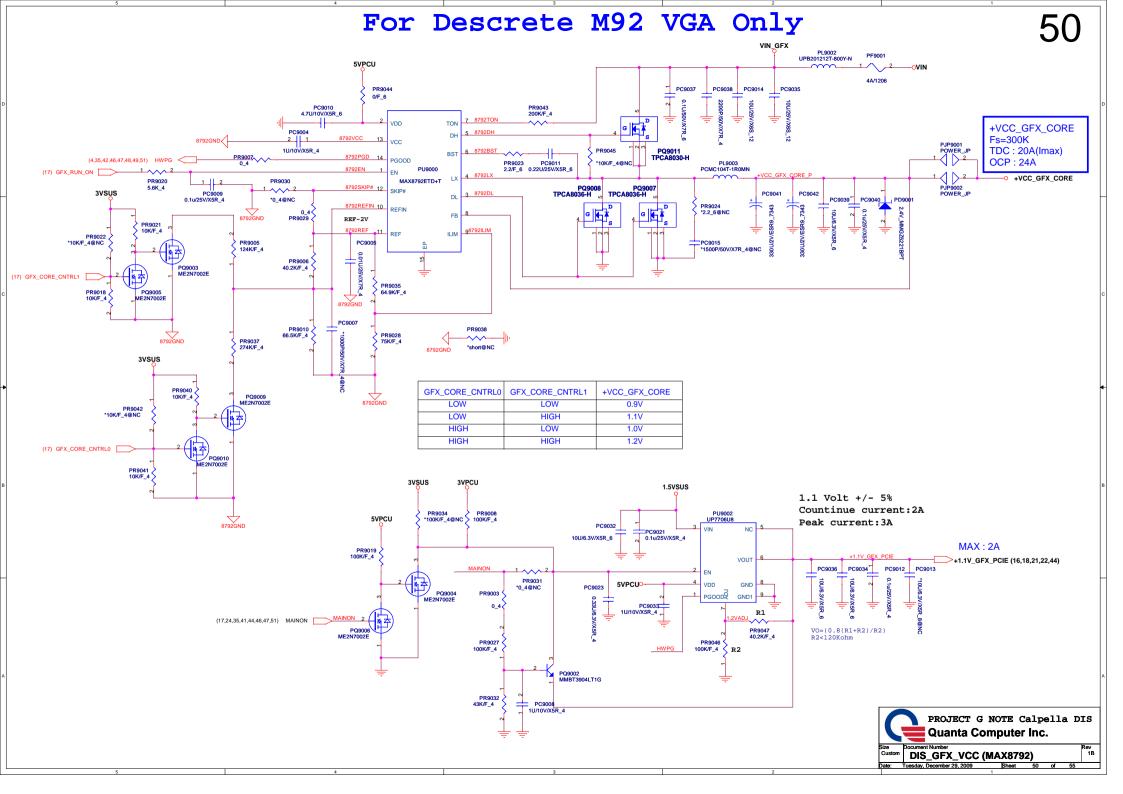


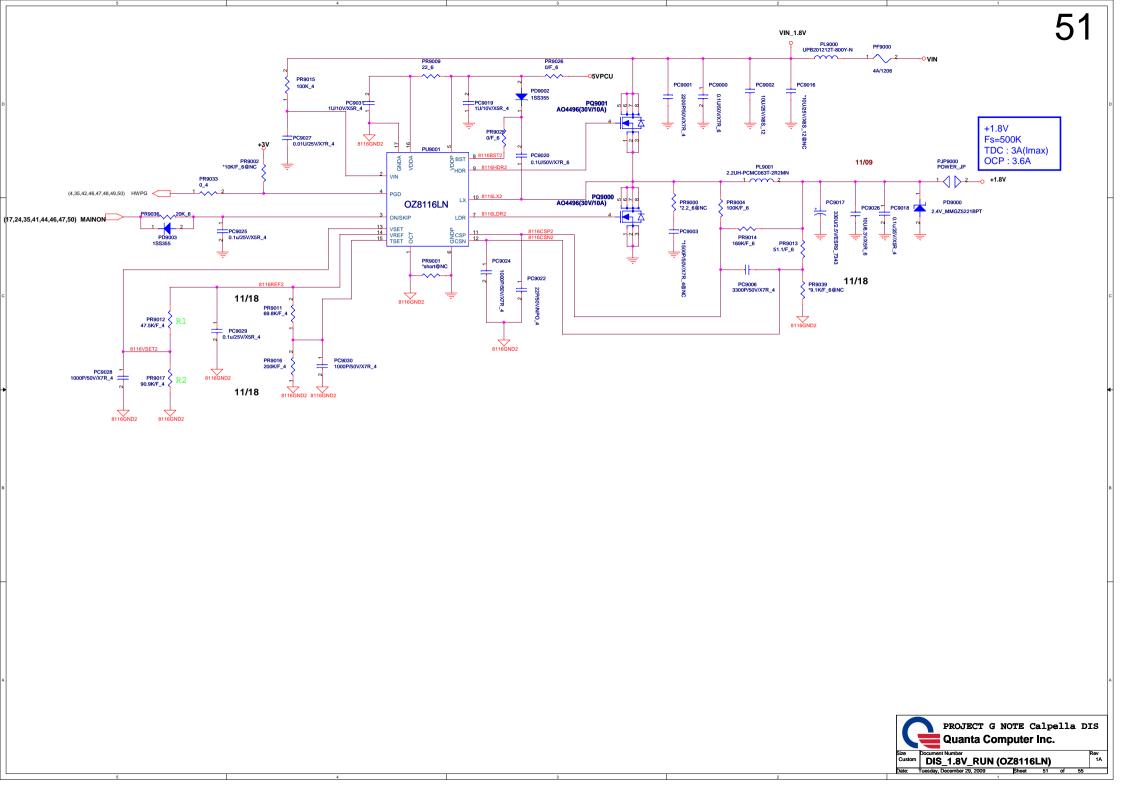












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## **Revision History**

Revision	Date	Phase	Change List	Release Schematic Date	Release Gerber File Date
1A		DV	Initial release		

## Schematic Value Explanation Description :

## **RESISTOR**

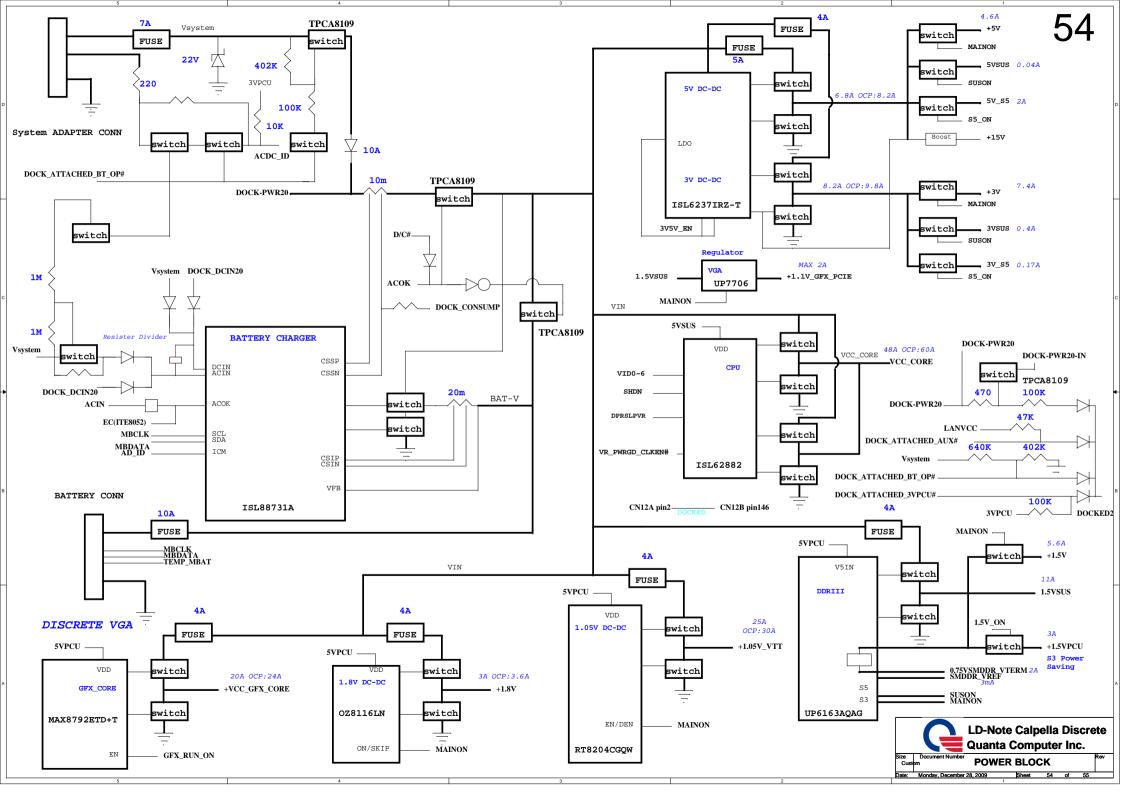
Value	F	4	6	8	12	1210	*	Description
*1K/F_4	1%	0402 (1005)					DE POP	1K ohm 1% SMD 0402 package and DE POP
1K_6	5%		0603 (1608 )				POP	1K ohm 5% SMD 0603 package and POP
1K_8	5%			0805 (2125 )			POP	1K ohm 5% SMD 0805 package and POP
1K_12	5%				1206 (3216 )		POP	1K ohm 5% SMD 1206 package and POP
1K_1210	5%					1210 (3225 )	POP	1K ohm 5% SMD 1210 package and POP

## **CAPACITOR**

Value	Voltage	Material	6		*	Description
*0.1U/10V/X5R_4	10V	X5R	0402 (1005 )		DE POP	0.1UF 10V X5R SMD 0402 package DE POP
1U/25V/X7R_6	25V	X7R	0603 (1608 )		POP	0.1UF 25V X7R SMD 0603 package POP



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	EC NO.			PART REFERENCE	DESCRIPTION	55					
2009	EC-A-01	30	12/22	R36,R37,R42,R43	Delete R36,R37,R41,R42 (redundant optional resistor) and change connection of E-sata.						
	EC-A-02		12/22	R285	No POP R285 or delete.We have R466 for TPM physical presence						
	EC-A-03		12/22	R101	EC use SPI type	]					
	EC-A-04		12/22	R623,R625,R626, R627	AUO3 use ext power						
	EC-A-05		12/22	R449,R450	GPIO19,21 should have pull up 10K to +3V due to no internal PU/PD						
	EC-A-06	39	12/22		Cut LPCPD# signal from TPM#28. due to PCH bug(SUSSTAT# signal chatteringwhen assert)	1					
1	EC-A-07	35	12/23	R262,C382	Add Pull high for CARE_BUTTON#	1					
	EC-A-08	40	12/23	R79,R80,R81, R82,R83,R86, R104,R105,R108	Delete these resistor to save space for layout.						
1	EC-A-09	24	12/28	C2350,C196	Change CAP value per customer request.	1					
	EC-A-10	03	12/28	C8222,C8223	Add decoupling cap per RF engineer requested.	1					
	EC-A-11		12/29	C683	De-pop C683 to prevent efect high frequency of THD+N.	1					
A stage											
					G-Note Monte Quanta Compute						

```
ERROR: syntaxerror
OFFENDING COMMAND: --nostringval--
STACK:

/Title
()
/Subject
(D:20100106114247+08'00')
/ModDate
()
/ModDate
()
/Keywords
(PDFCreator Version 0.9.5)
/Creator
(D:20100106114247+08'00')
/CreationDate
(93121305)
/Author
-mark-
```