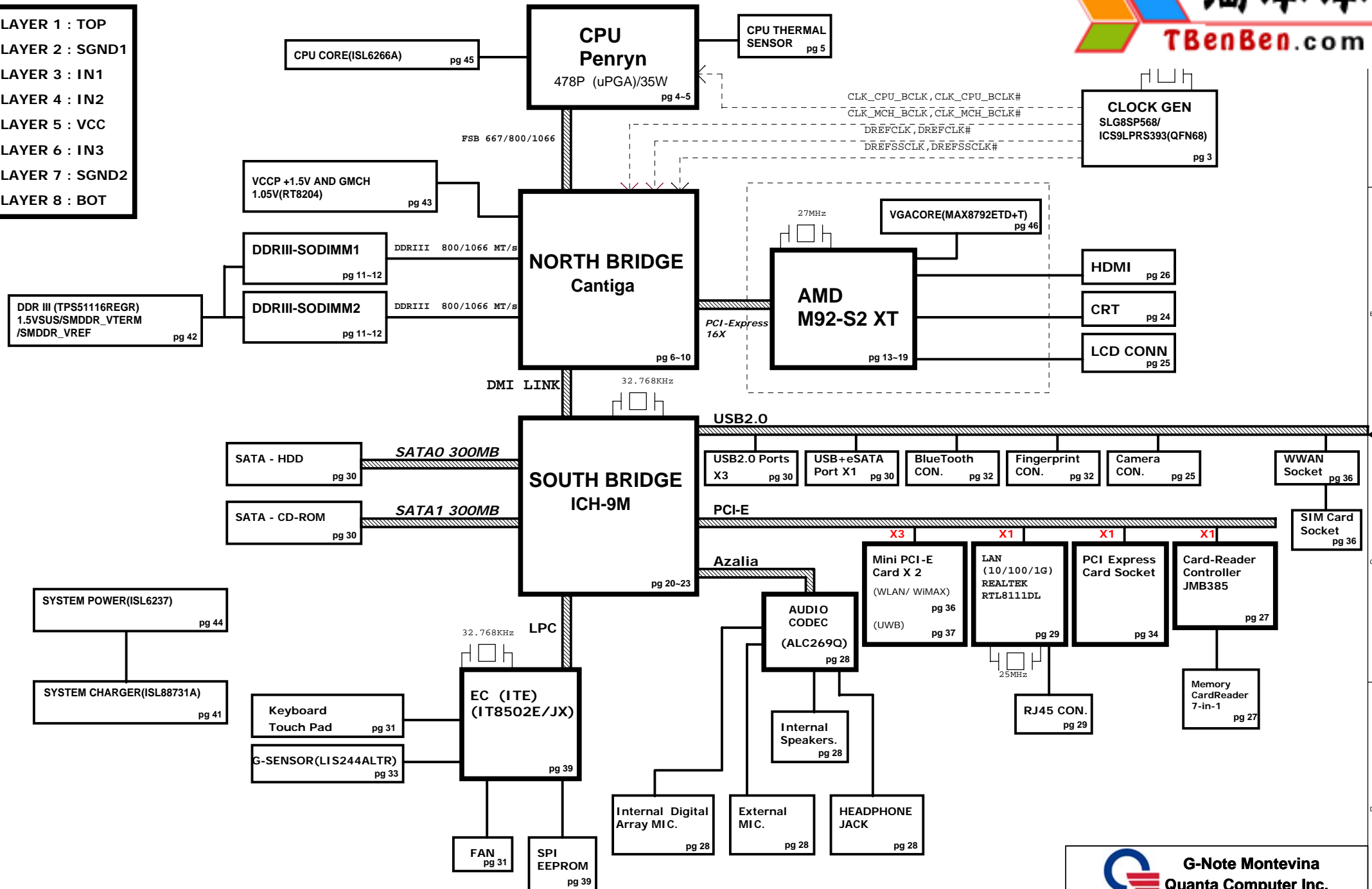


G-Note Montevina Block Diagram

LAYER 1 : TOP
LAYER 2 : SGND1
LAYER 3 : IN1
LAYER 4 : IN2
LAYER 5 : VCC
LAYER 6 : IN3
LAYER 7 : SGND2
LAYER 8 : BOT




Will chang after circuit
finished

Power States

POWER PLANE	VOLTAGE	PAGE	DESCRIPTION	CONTROL SIGNAL	ACTIVE IN
VIN	10V~+19V	25,40,41,42,43,44,45,46,47	MAIN POWER		S0~S5
+3VRTC	+3.0V~+3.3V	20,23,39	RTC		S0~S5
3VPCU	+3.3V	20,25,29,31,37,39,40,41,44	8051 POWER		S0~S5
5VPCU	+5V	27,30,37,40,41,42,43,44,45,46,47	LCD/CHARGE POWER		S0~S5
+15V	+15V	25,40,44,47	LARGE POWER	5VPCU	S0~S5
LANVCC	+3.3V	29,40	LAN POWER	LAN_ON	
5VSUS	+5V	25,30,37,40,43,45,46	SLP_S5# CTRLD POWER	SUSON	
3VSUS	+3.3V	21,22,34,35,36,39,40,45	SLP_S5# CTRLD POWER	SUSON	
1.8VSUS	+1.8V	40,43,47	SODIMM POWER	SUSON	
+0.9V_DDR_VTT	+0.9V		SODIMM POWER	MAINON	
+5V	+5V	23,24,25,26,28,30,31,39,40,41	SLP_S3# CTRLD POWER	MAINON	
+3V	+3.3V	3,5,7,10,11,12,14,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,47	SLP_S3# CTRLD POWER	MAINON	
+1.8V	+1.8V	14,15,16,17,18,19,47	VGA POWER	MAINON	
+1.5V	+1.5V	5,10,20,21,22,23,34,35,36,40,43	CALISTOGA/ICH8 POWER	MAINON	
+1.05V	+1.05V	3,4,5,6,7,9,10,20,23,40,43,45	CPU/CALISTOGA/ICH8 POWER	MAINON	
VCC_CORE	+0.7V~+1.77V	4,5,40,45	CPU CORE POWER	VRON	
LCDVCC	+3.3V	25	LCD Power	INT_DISP_ON & EXT_LVDS_DIGON	
+5VHDD	+5V	30	HDD Power	MAINON	
MBATV	+10V~+17V	39,41	MAIN BATTERY	D/C#	

02



G-Note Montevina

Quanta Computer Inc.

Size B

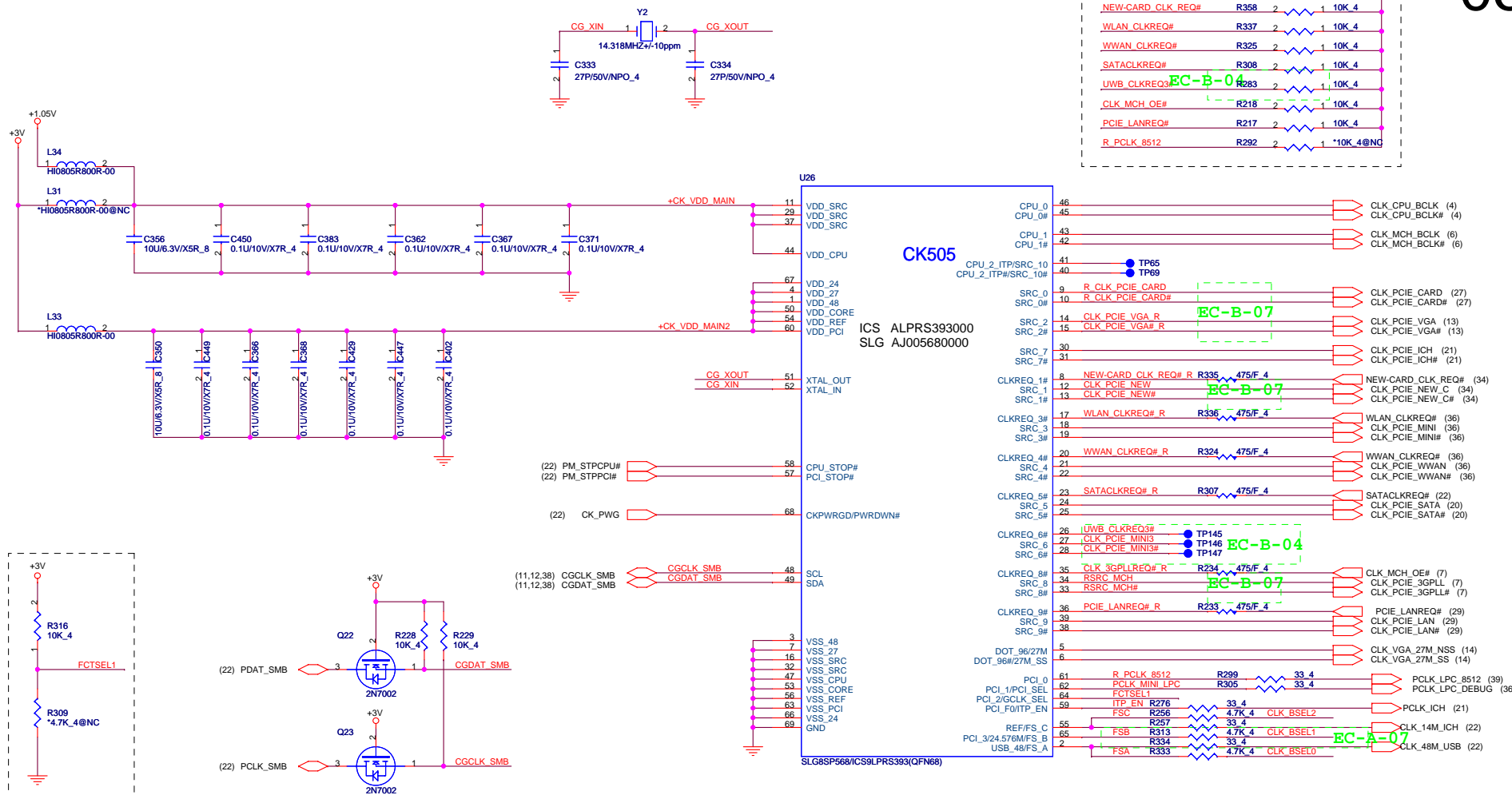
Document Number

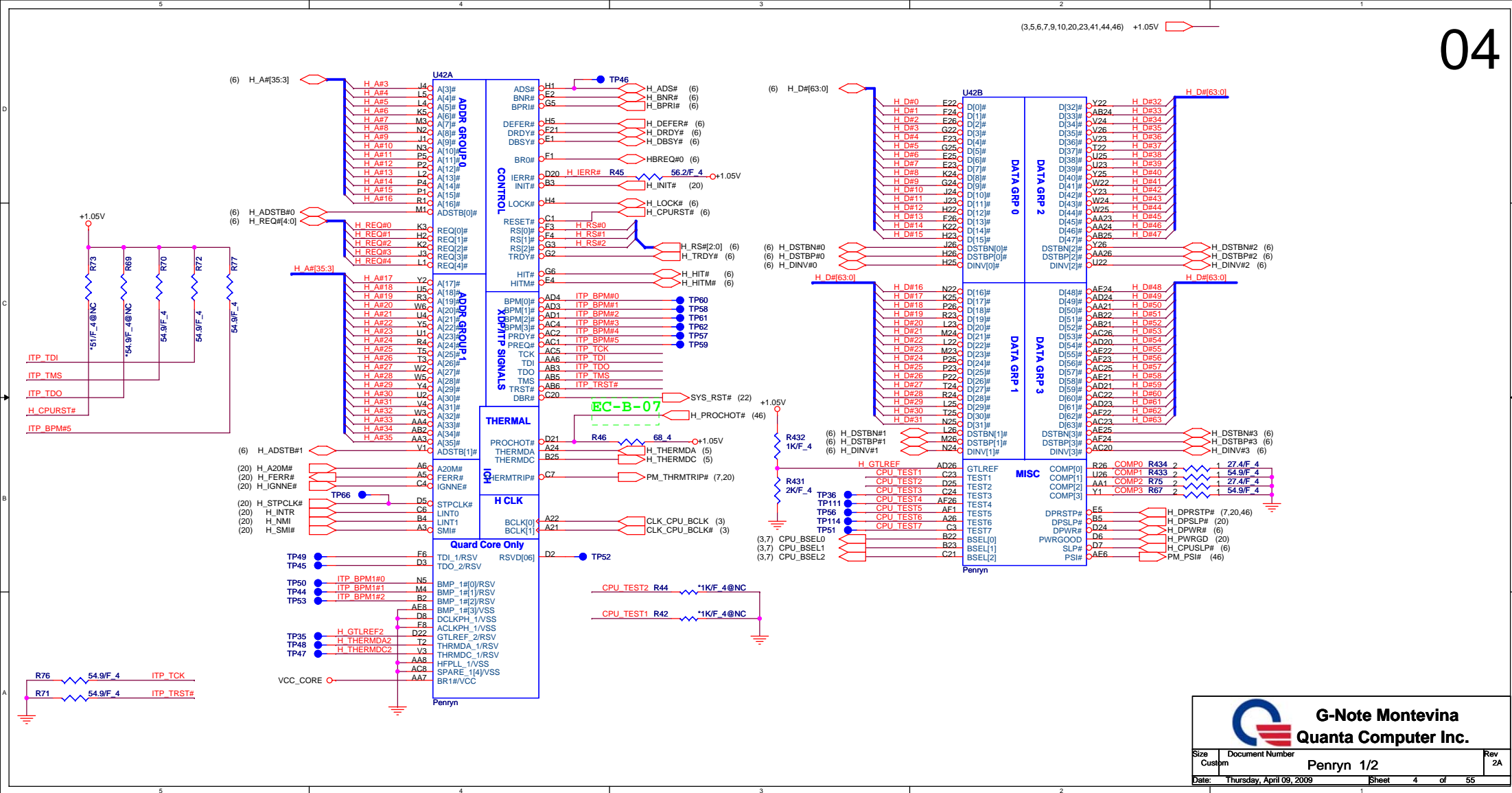
Rev 2A

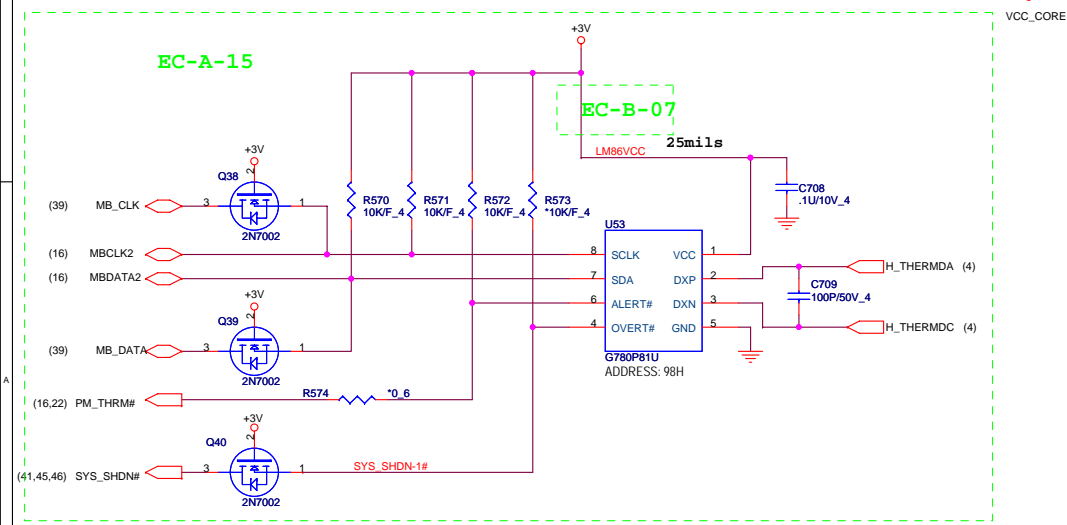
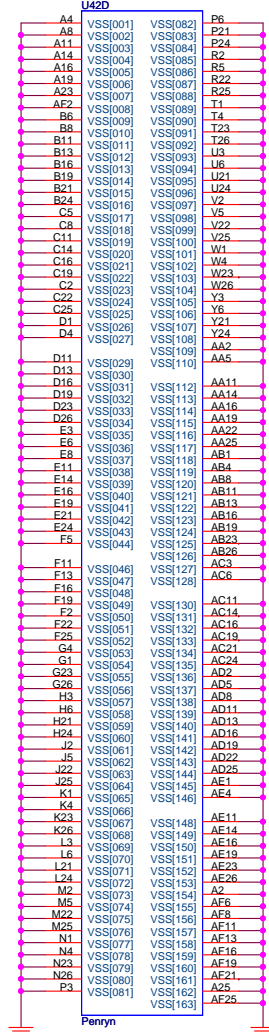
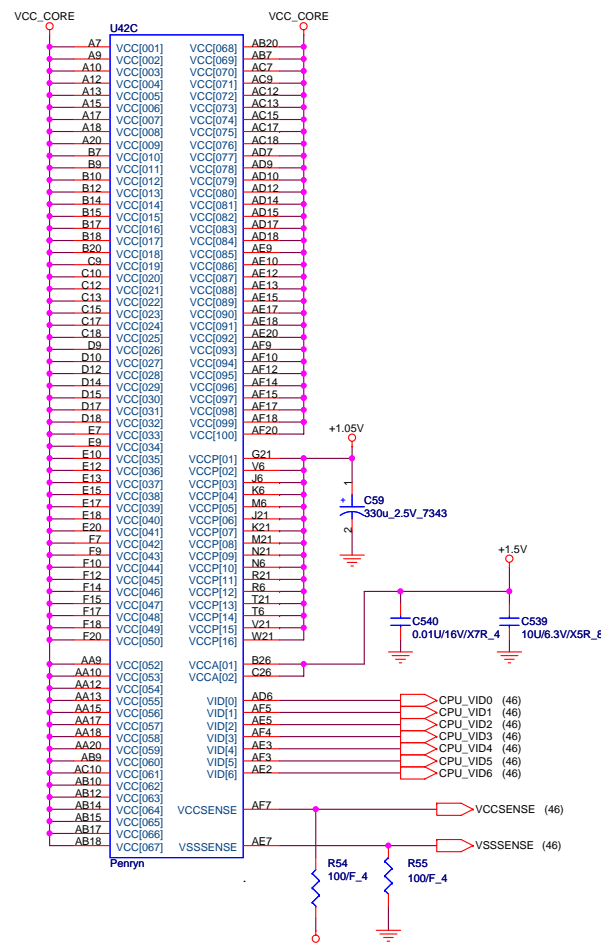
Date: Tuesday, March 03, 2009

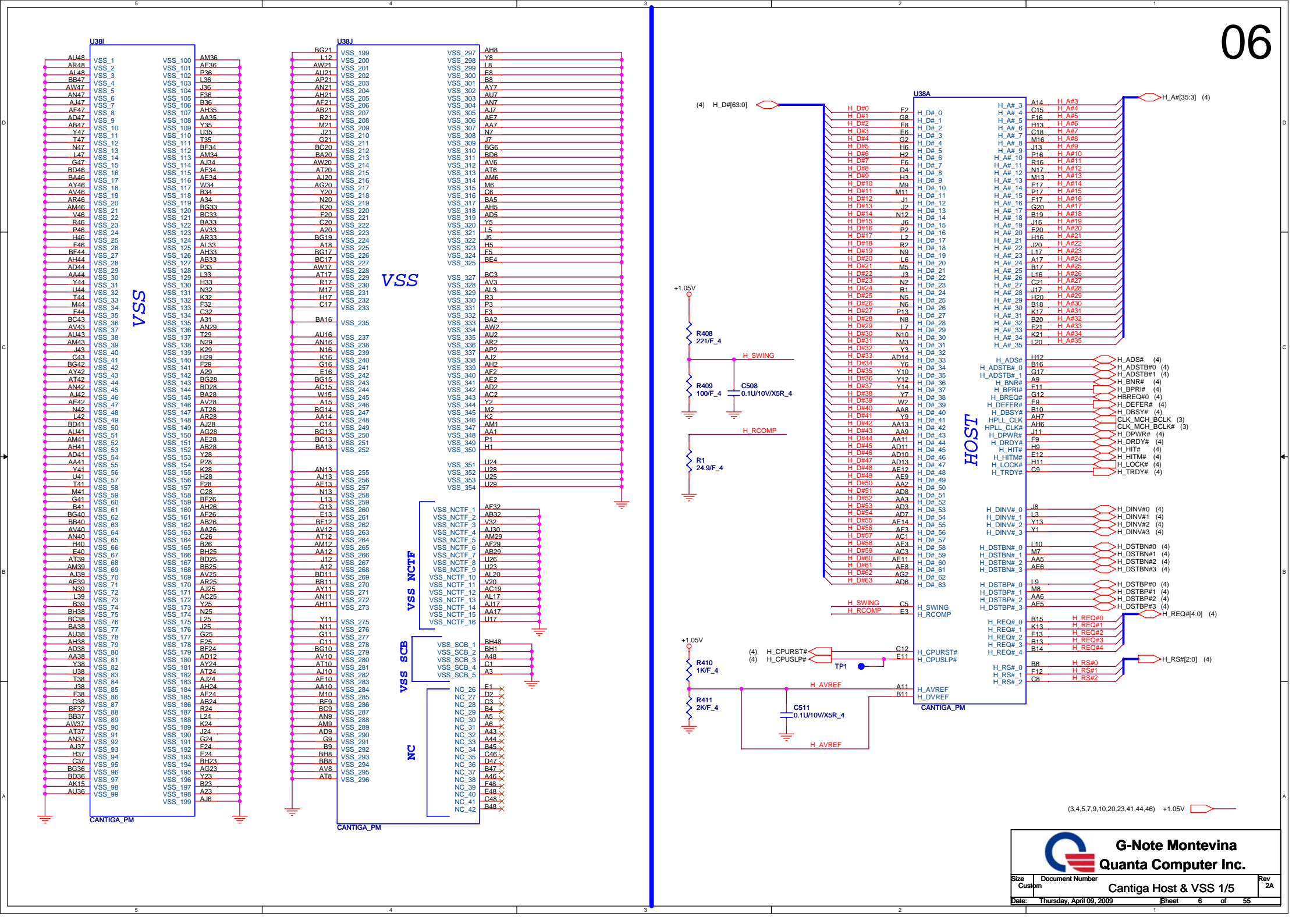
Sheet 2 of 55

FRON TPAGE

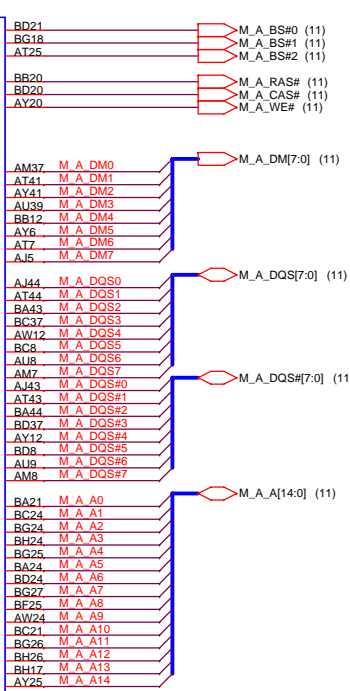
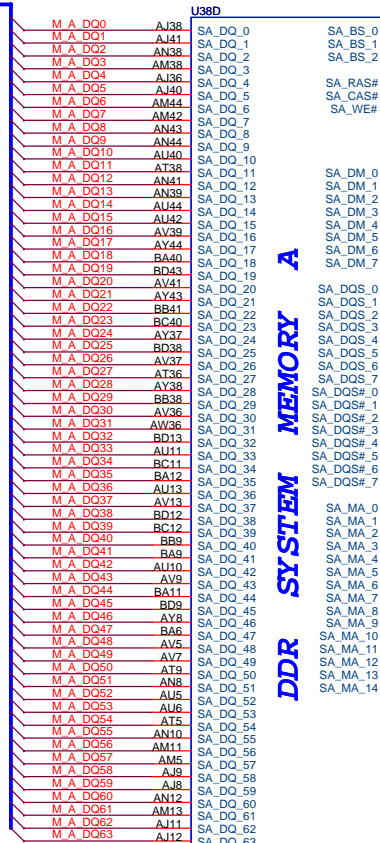




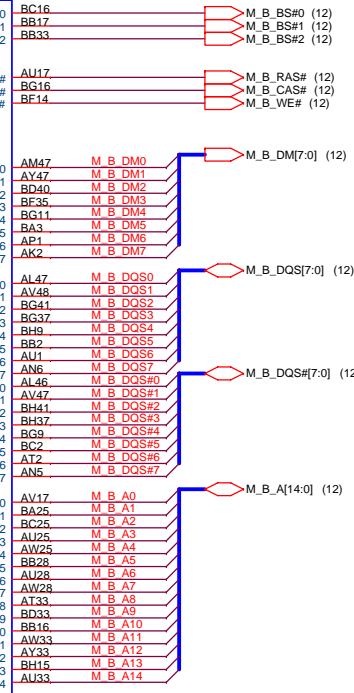
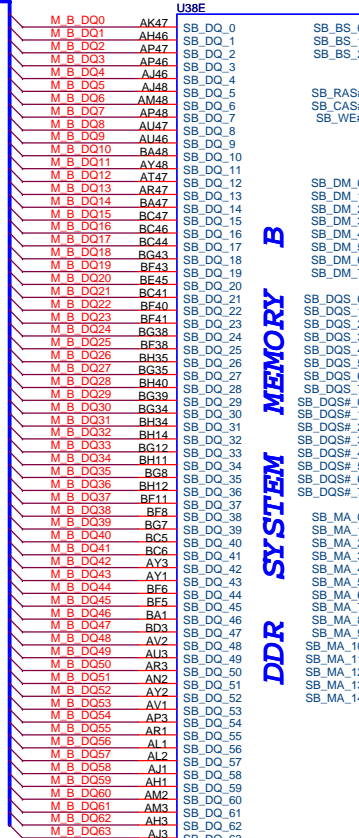




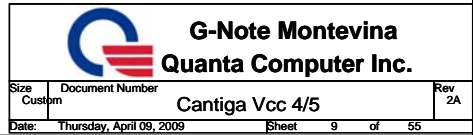
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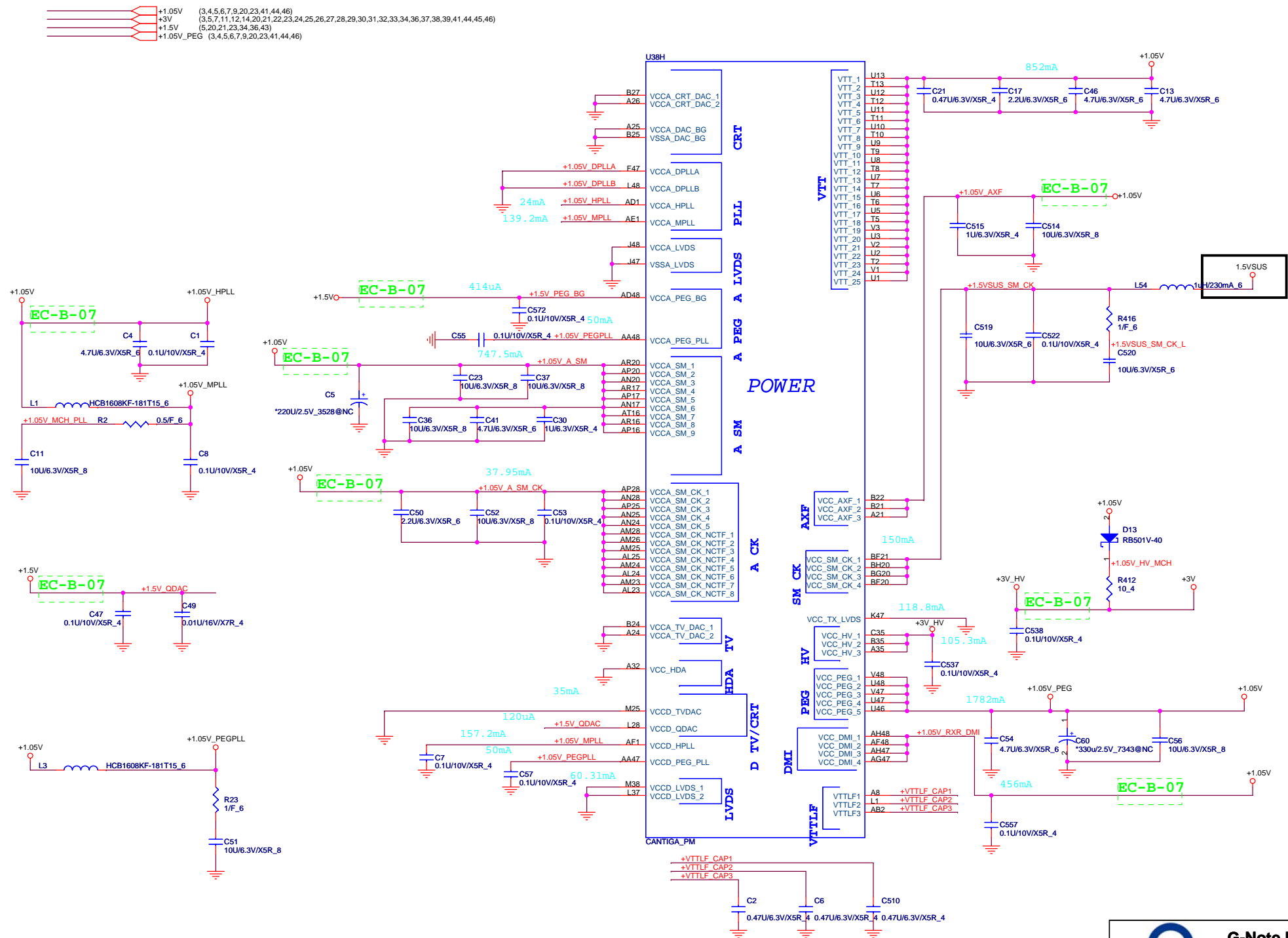


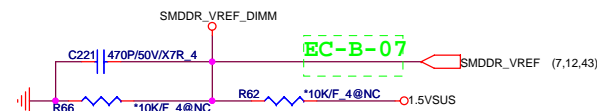
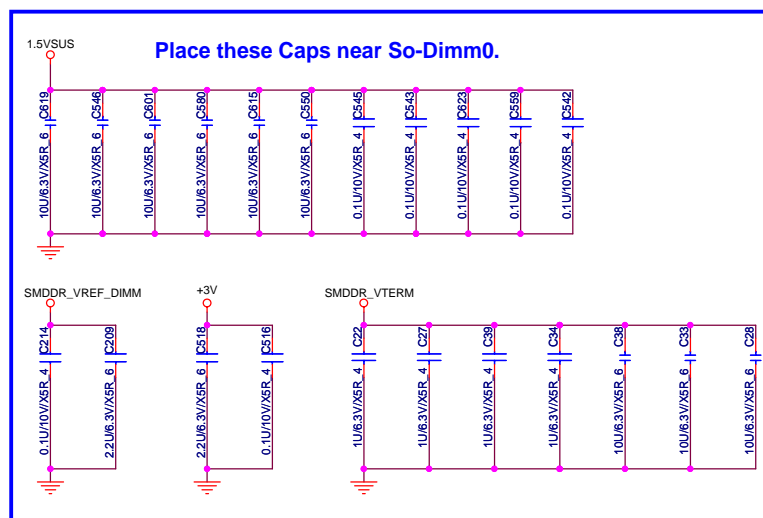
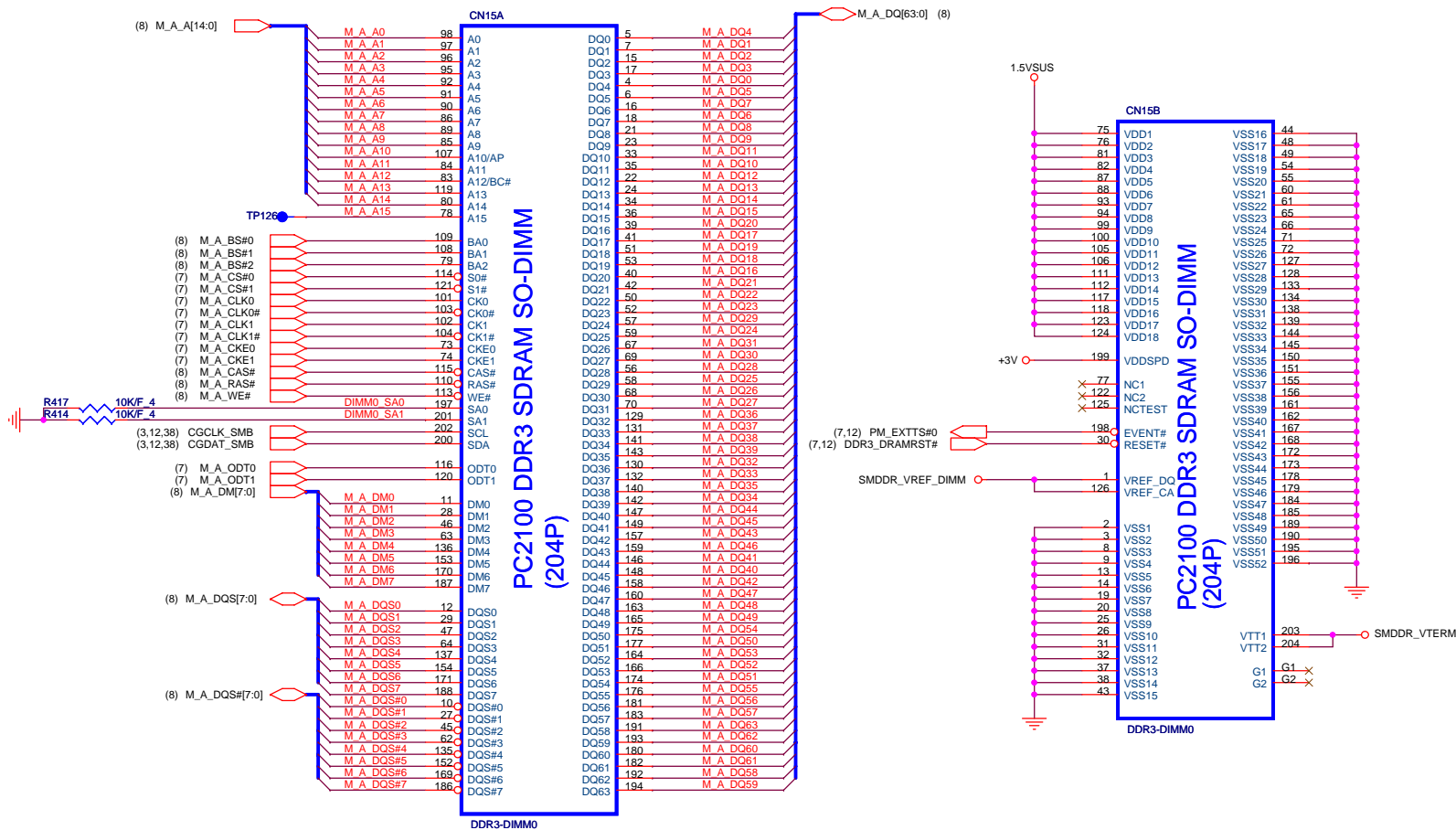
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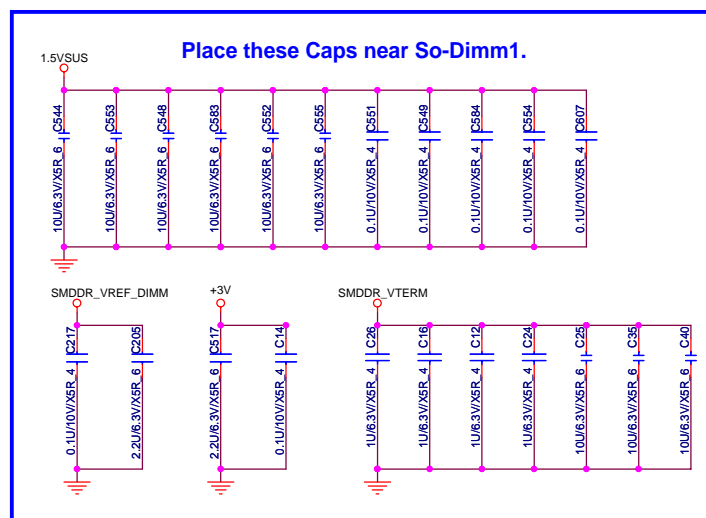
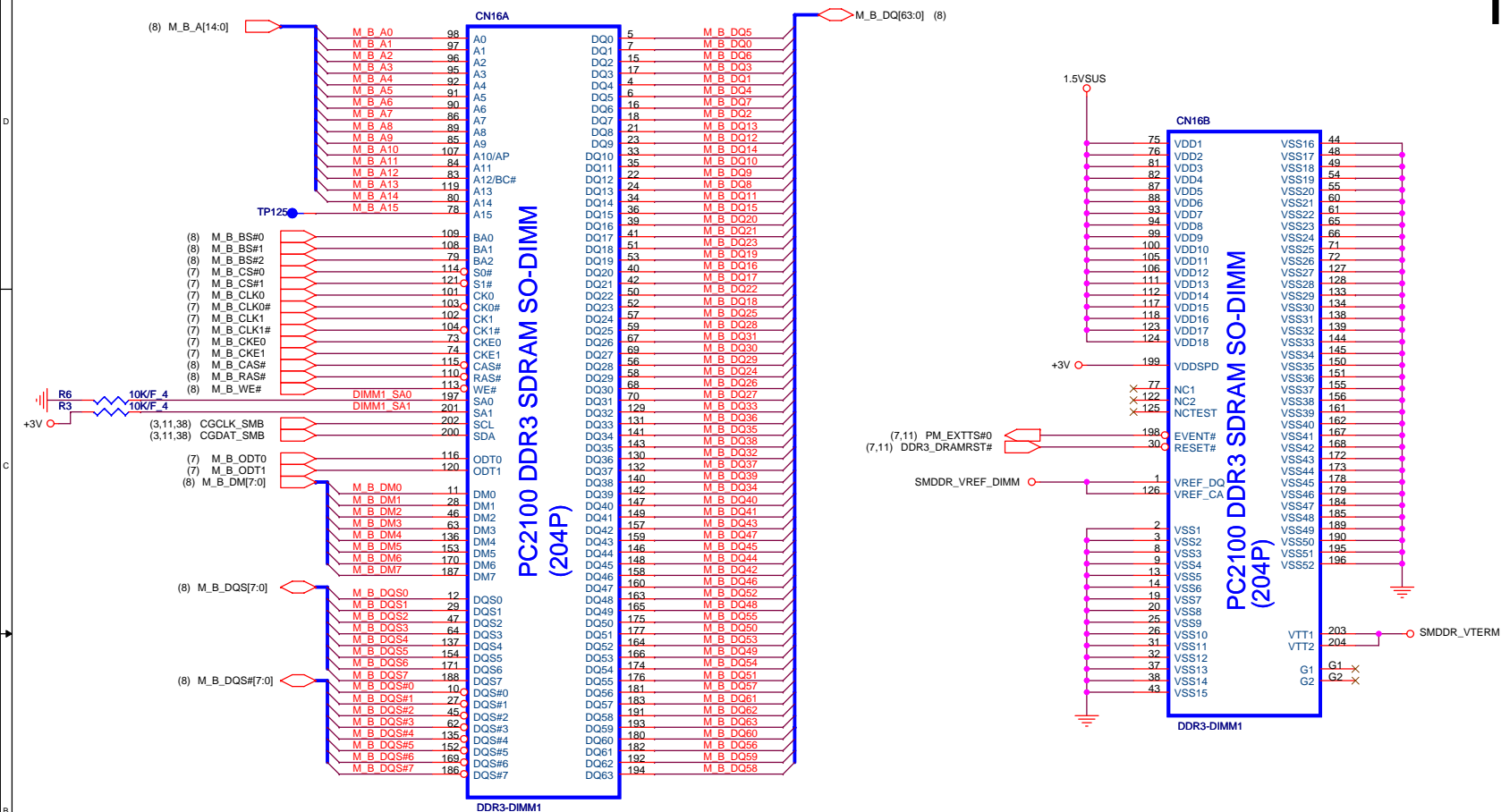


G-Note Montevina
Quanta Computer Inc.









(7) PEG_TX[0..15]
(7) PEG_TX#0..15



PEG_TX0	AF30	PCIE_RX0P
PEG_TX#0	AE31	PCIE_RX0N
PEG_TX1	AE29	PCIE_RX1P
PEG_TX#1	AD28	PCIE_RX1N
PEG_TX2	AD30	PCIE_RX2P
PEG_TX#2	AC31	PCIE_RX2N
PEG_TX3	AC29	PCIE_RX3P
PEG_TX#3	AB28	PCIE_RX3N
PEG_TX4	AB30	PCIE_RX4P
PEG_TX#4	AA31	PCIE_RX4N
PEG_TX5	AA29	PCIE_RX5P
PEG_TX#5	Y28	PCIE_RX5N
PEG_TX6	Y30	PCIE_RX6P
PEG_TX#6	W31	PCIE_RX6N
PEG_TX7	W29	PCIE_RX7P
PEG_TX#7	V28	PCIE_RX7N
PEG_TX8	V30	PCIE_RX8P
PEG_TX#8	U31	PCIE_RX8N
PEG_TX9	U29	PCIE_RX9P
PEG_TX#9	T28	PCIE_RX9N
PEG_TX10	T30	PCIE_RX10P
PEG_TX#10	R31	PCIE_RX10N
PEG_TX11	R29	PCIE_RX11P
PEG_TX#11	P28	PCIE_RX11N
PEG_TX12	P30	PCIE_RX12P
PEG_TX#12	N31	PCIE_RX12N
PEG_TX13	N29	PCIE_RX13P
PEG_TX#13	M28	PCIE_RX13N
PEG_TX14	M30	PCIE_RX14P
PEG_TX#14	L31	PCIE_RX14N
PEG_TX15	L29	PCIE_RX15P
PEG_TX#15	K30	PCIE_RX15N

(3) CLK_PCIE_VGA
(3) CLK_PCIE_VGA#



(21) PLTRST_DELAY# **EC-B-07** AL27

U44A

PART 1 OF 10

PCI-EXPRESS INTERFACE

PCIE_TX0P	AH30	PEG_C_RXP0
PCIE_TX0N	AG31	PEG_C_RXN0
PCIE_TX1P	AG29	PEG_C_RXP1
PCIE_TX1N	AF28	PEG_C_RXN1
PCIE_TX2P	AF27	PEG_C_RXP2
PCIE_TX2N	AF26	PEG_C_RXN2
PCIE_TX3P	AD27	PEG_C_RXP3
PCIE_TX3N	AD26	PEG_C_RXN3
PCIE_TX4P	AC25	PEG_C_RXP4
PCIE_TX4N	AB25	PEG_C_RXN4
PCIE_TX5P	Y23	PEG_C_RXP5
PCIE_TX5N	Y24	PEG_C_RXN5
PCIE_TX6P	AB27	PEG_C_RXP6
PCIE_TX6N	AB26	PEG_C_RXN6
PCIE_TX7P	Y27	PEG_C_RXP7
PCIE_TX7N	Y26	PEG_C_RXN7
PCIE_TX8P	W24	PEG_C_RXP8
PCIE_TX8N	W23	PEG_C_RXN8
PCIE_TX9P	V27	PEG_C_RXP9
PCIE_TX9N	U26	PEG_C_RXN9
PCIE_TX10P	U24	PEG_C_RXP10
PCIE_TX10N	U23	PEG_C_RXN10
PCIE_TX11P	T26	PEG_C_RXP11
PCIE_TX11N	T27	PEG_C_RXN11
PCIE_TX12P	T24	PEG_C_RXP12
PCIE_TX12N	T23	PEG_C_RXN12
PCIE_TX13P	P27	PEG_C_RXP13
PCIE_TX13N	P26	PEG_C_RXN13
PCIE_TX14P	P24	PEG_C_RXP14
PCIE_TX14N	P23	PEG_C_RXN14
PCIE_TX15P	M27	PEG_C_RXP15
PCIE_TX15N	N26	PEG_C_RXN15

PCIE_CALRN	AA22	PCIE_CALRN	2K/F	R441
PCIE_CALRP	Y22	PCIE_CALRP	1.27K/F	R56



(7) PEG_RX[0..15]
(7) PEG_RX#0..15



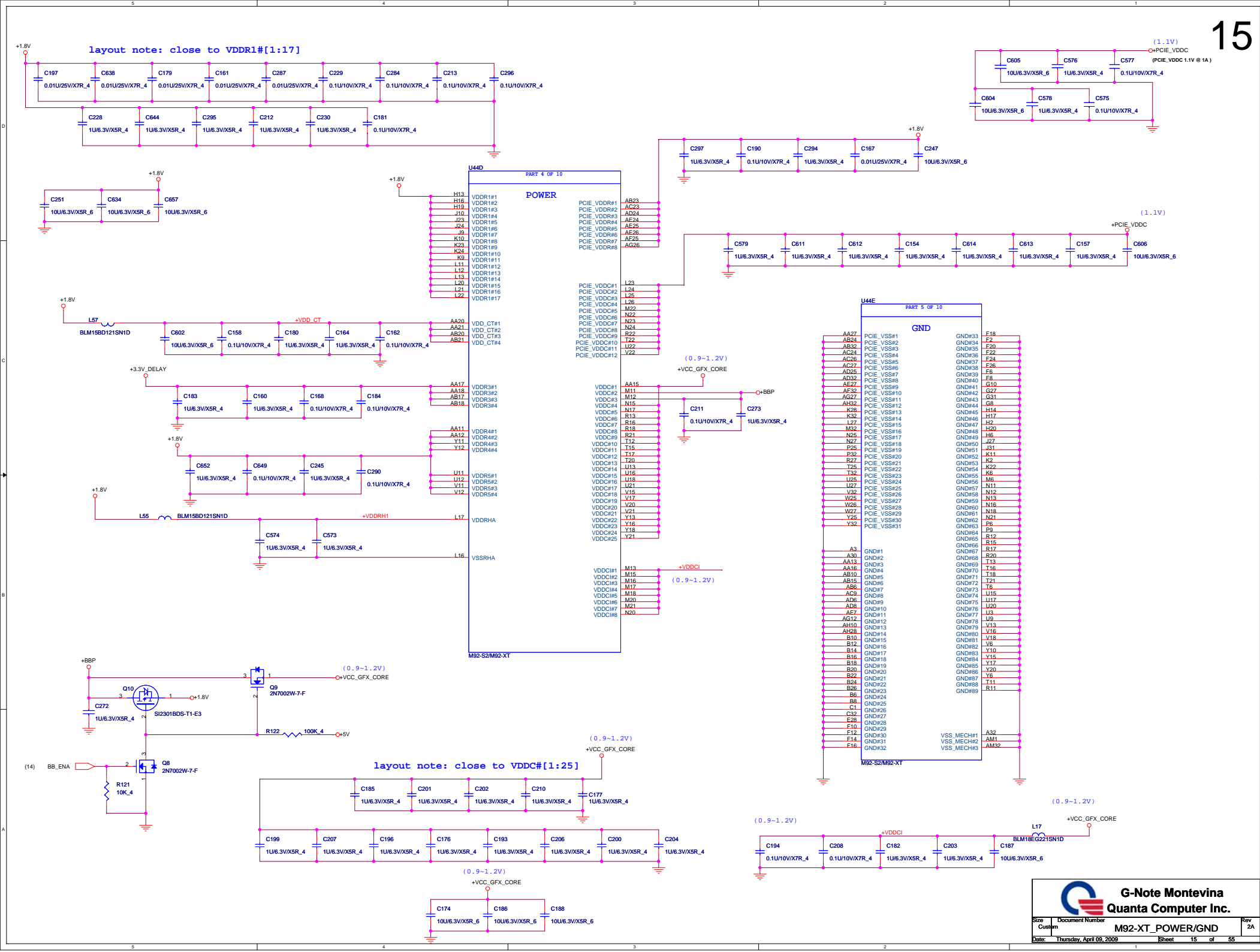
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PEG_RX2	0.1U/10V/X7R	4	2	1	C117	10	PEG_C_RXP2
PEG_RX3	0.1U/10V/X7R	4	2	1	C86	10	PEG_C_RXP3
PEG_RX4	0.1U/10V/X7R	4	2	1	C108	10	PEG_C_RXP4
PEG_RX5	0.1U/10V/X7R	4	2	1	C90	10	PEG_C_RXP5
PEG_RX6	0.1U/10V/X7R	4	2	1	C87	10	PEG_C_RXP6
PEG_RX7	0.1U/10V/X7R	4	2	1	C111	10	PEG_C_RXP7
PEG_RX8	0.1U/10V/X7R	4	2	1	C119	10	PEG_C_RXP8
PEG_RX9	0.1U/10V/X7R	4	2	1	C121	10	PEG_C_RXP9
PEG_RX10	0.1U/10V/X7R	4	2	1	C99	10	PEG_C_RXP10
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PEG_RX15	0.1U/10V/X7R	4	2	1	C113	10	PEG_C_RXP15
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PEG_RX#1	0.1U/10V/X7R	4	2	1	C97	10	PEG_C_RXN1
PEG_RX#2	0.1U/10V/X7R	4	2	1	C118	10	PEG_C_RXN2
PEG_RX#3	0.1U/10V/X7R	4	2	1	C85	10	PEG_C_RXN3
PEG_RX#4	0.1U/10V/X7R	4	2	1	C109	10	PEG_C_RXN4
PEG_RX#5	0.1U/10V/X7R	4	2	1	C89	10	PEG_C_RXN5
PEG_RX#6	0.1U/10V/X7R	4	2	1	C88	10	PEG_C_RXN6
PEG_RX#7	0.1U/10V/X7R	4	2	1	C110	10	PEG_C_RXN7
PEG_RX#8	0.1U/10V/X7R	4	2	1	C120	10	PEG_C_RXN8
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PEG_RX#10	0.1U/10V/X7R	4	2	1	C98	10	PEG_C_RXN10
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PEG_RX#14	0.1U/10V/X7R	4	2	1	C95	10	PEG_C_RXN14
PEG_RX#15	0.1U/10V/X7R	4	2	1	C114	10	PEG_C_RXN15

100 MHz (+/-300 ppm) input frequency,
0-0.7 V single-ended swing.
clock must be provided less than 400ns
after CLKREQ# is asserted

M92-S2/M92-XT



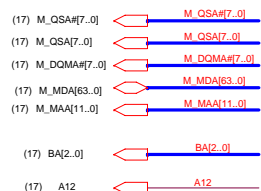
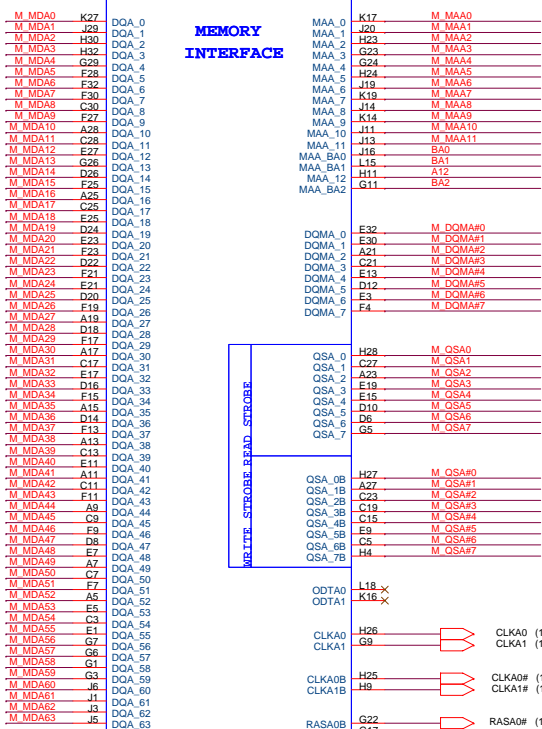
G-Note Montevina
Quanta Computer Inc.



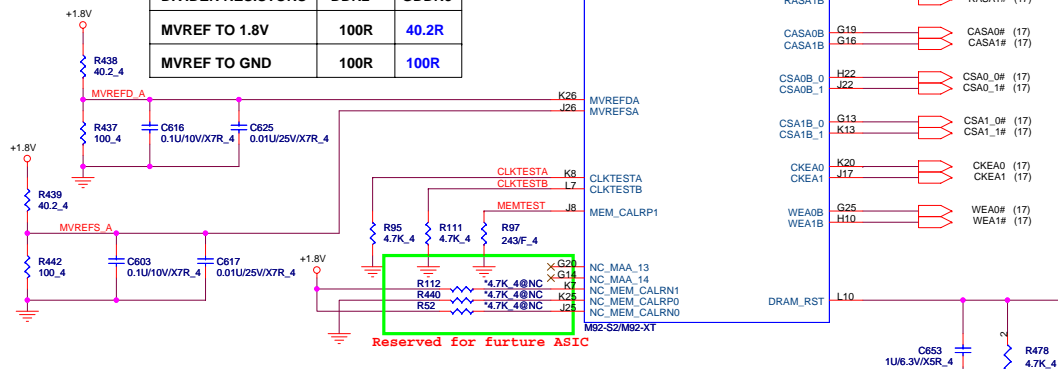
MEMORY INTERFACE

U44C

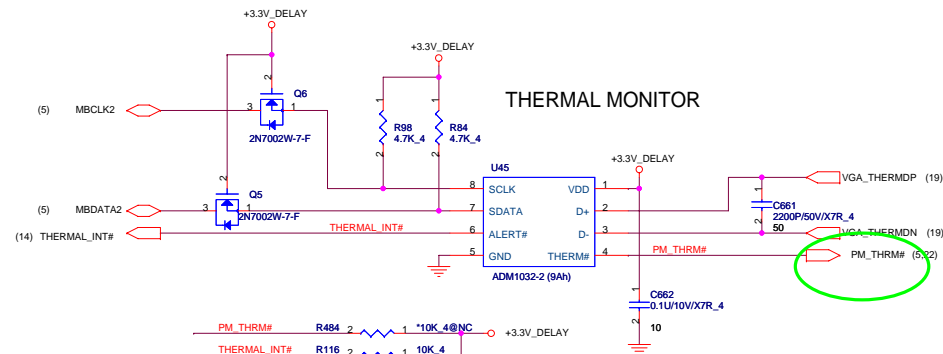
PART 3 OF 10

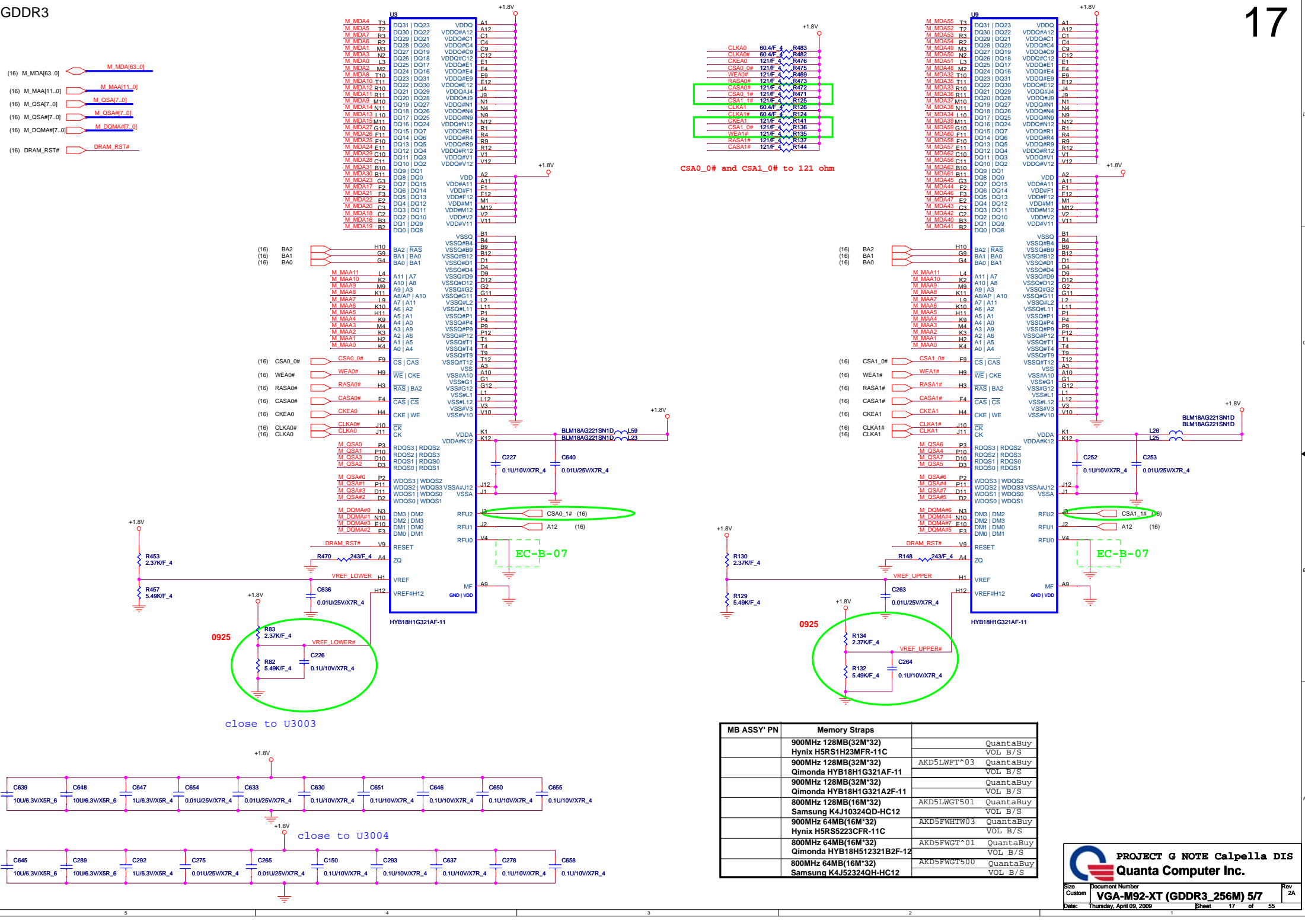
MEMORY
INTERFACE

DIVIDER RESISTORS	DDR2	GDDR3
MVREF TO 1.8V	100R	40.2R
MVREF TO GND	100R	100R

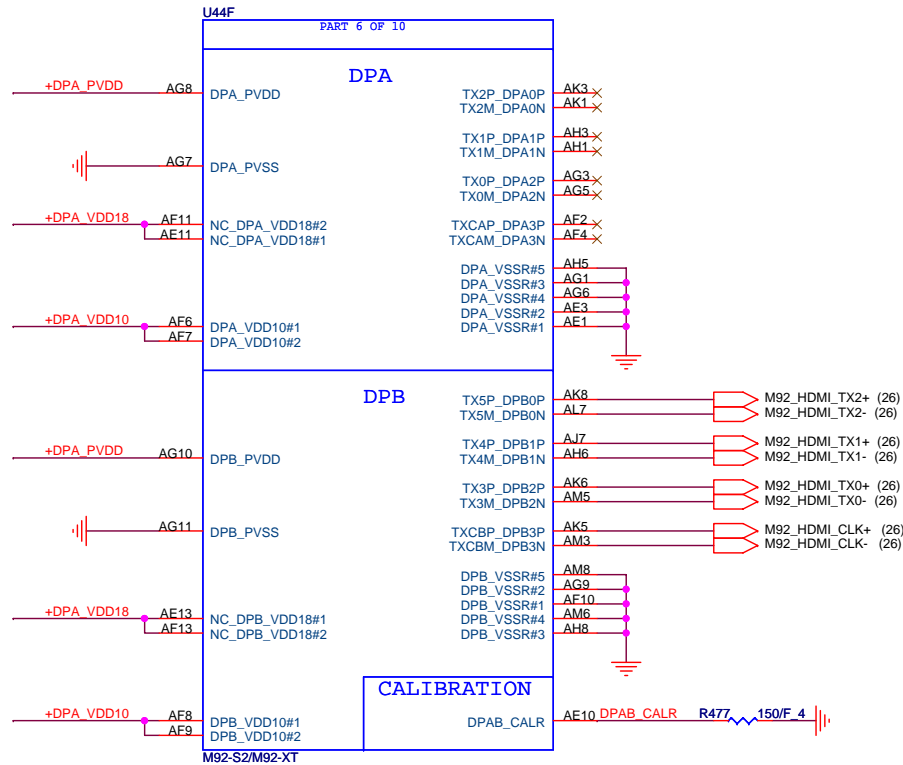


Reserved for future ASIC

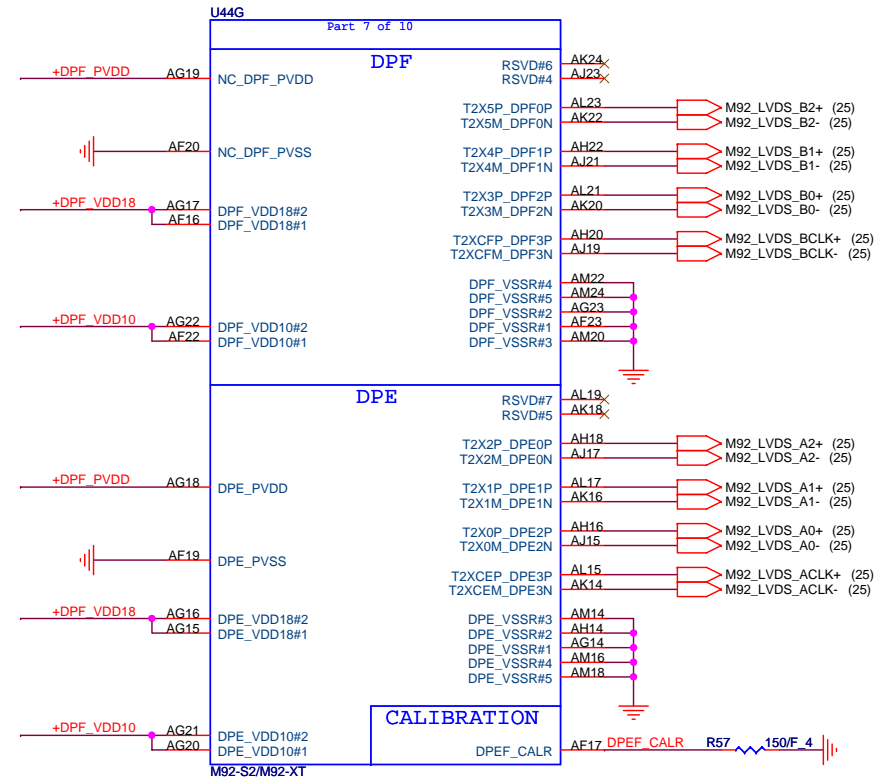




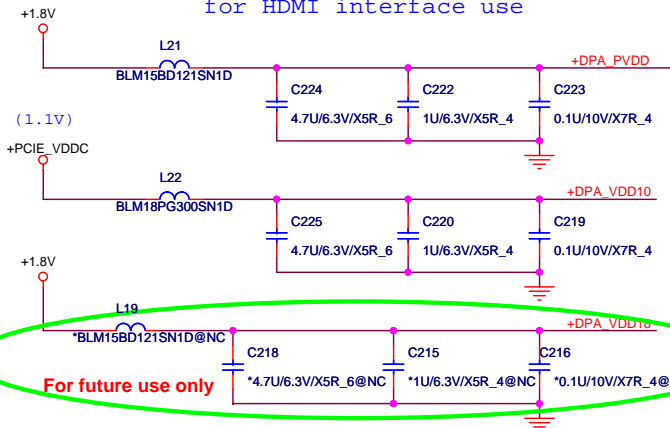
TMDP(HDMI) INTERFACE



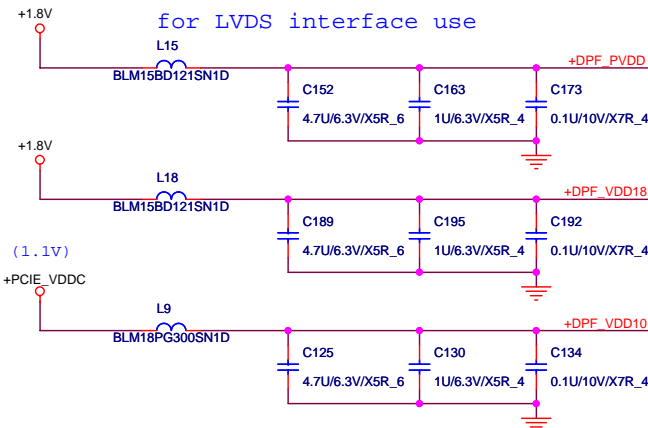
LVDS INTERFACE



for HDMI interface use

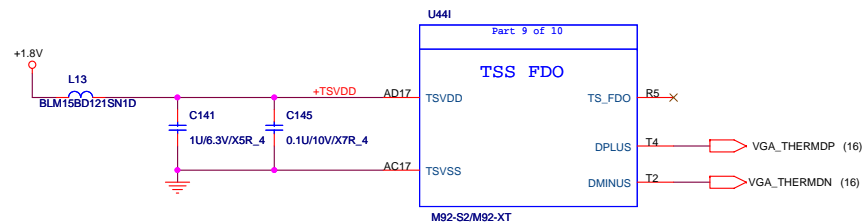
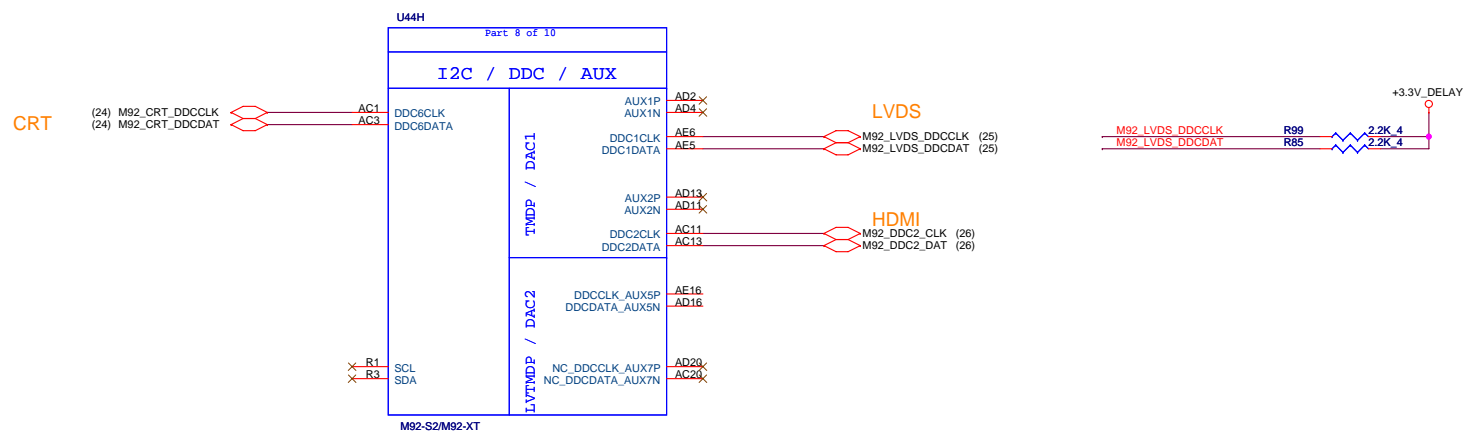
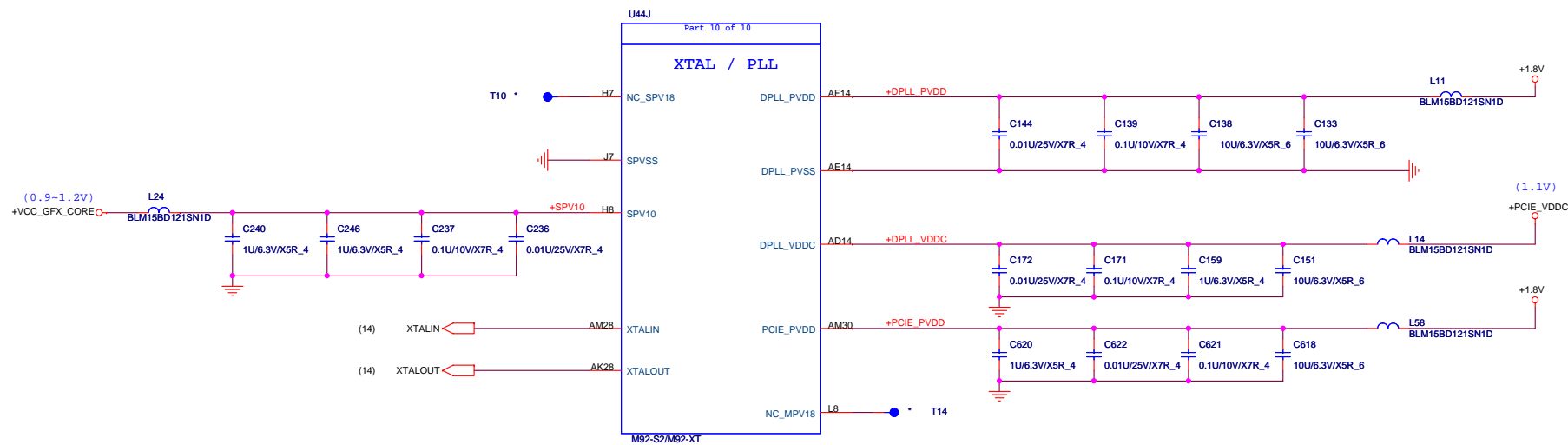


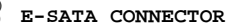
for LVDS interface use



G-Note Montevina
Quanta Computer Inc.

Size B	Document Number	Rev 2A
M92-XT_TMDP I/F		
Date: Thursday, April 09, 2009	Sheet 18 of 55	

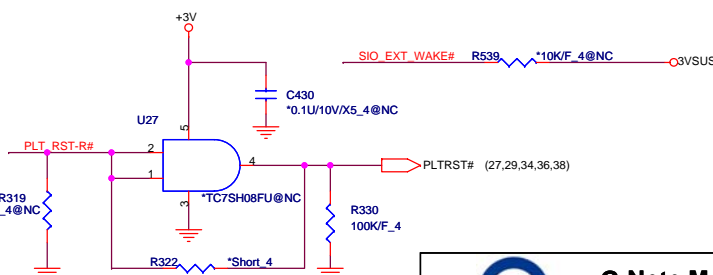
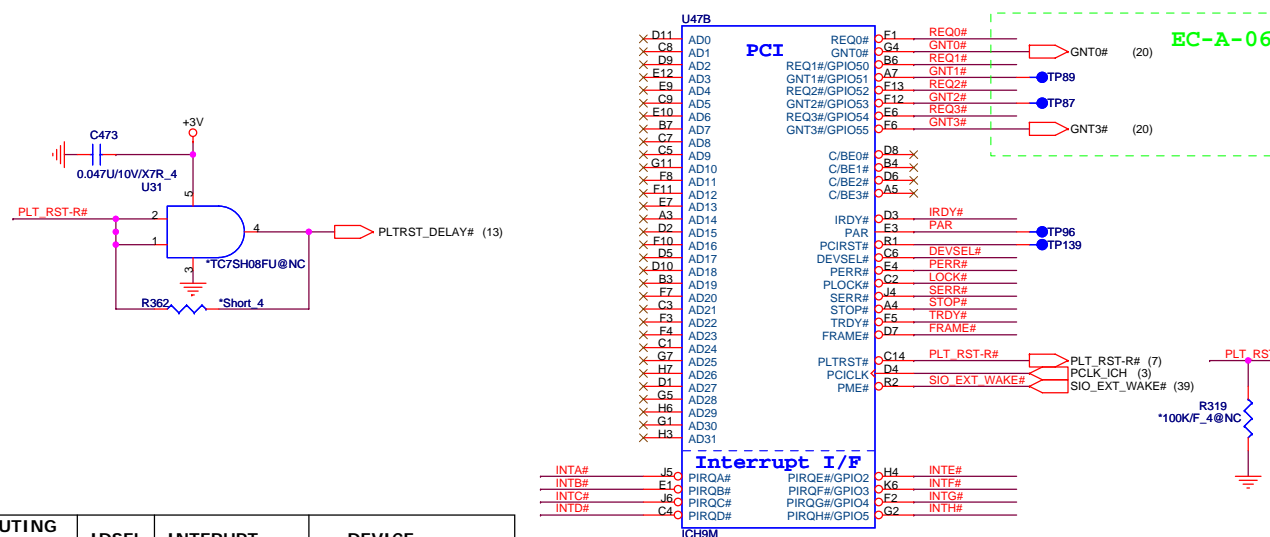
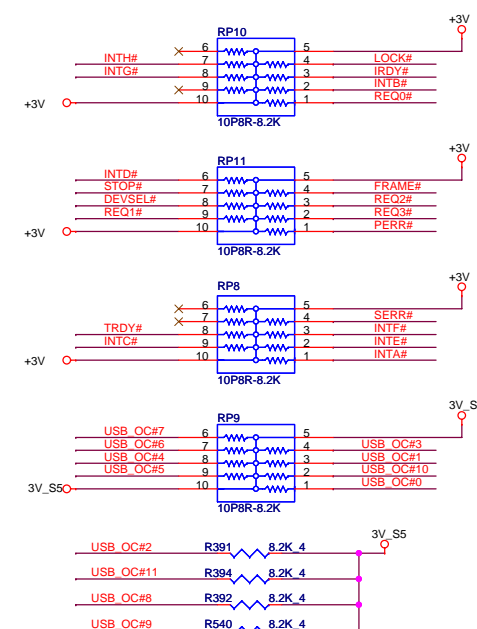
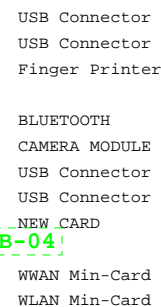




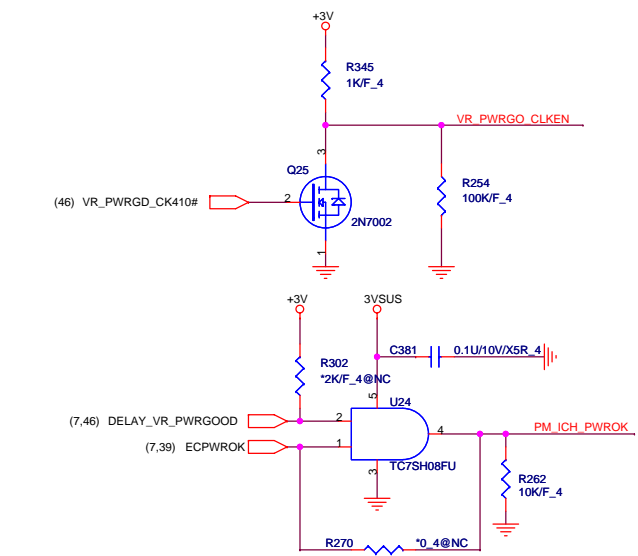
Size Custom	Document Number ICH9-M Host 1/4	Rev 2A
Date: Thursday, April 09, 2009	Sheet 20 of 55	

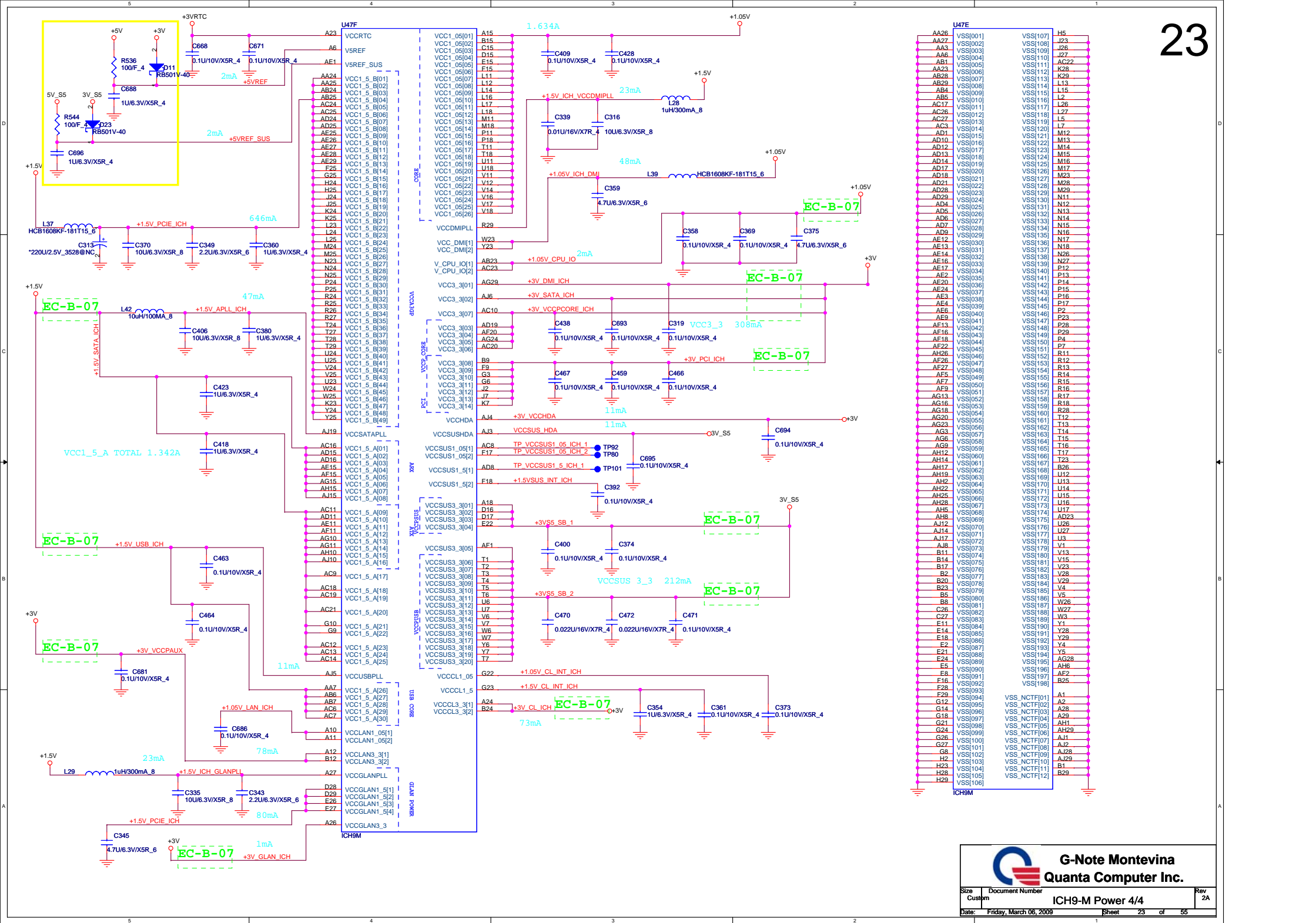


PCIE-LAN



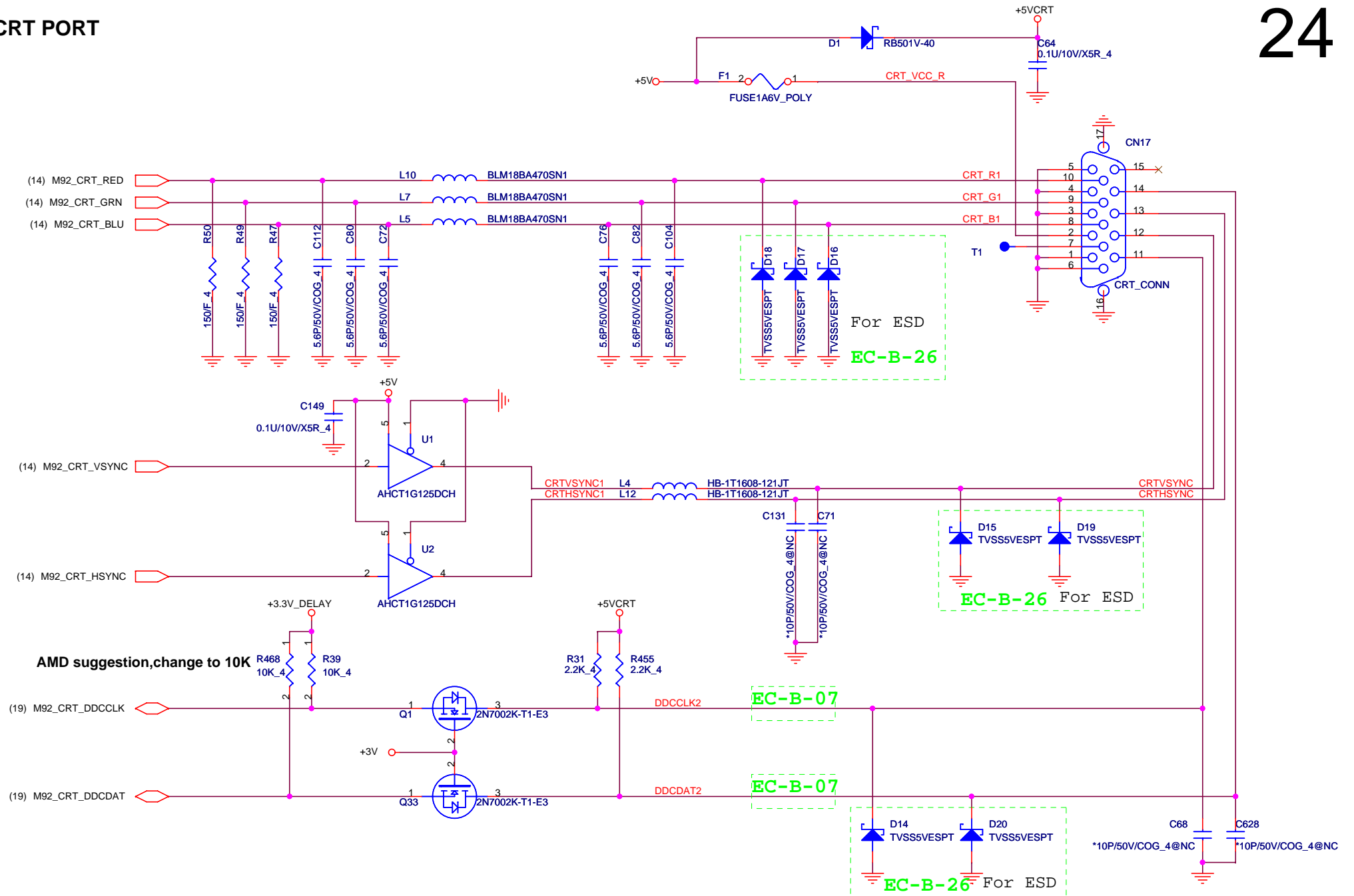
PCI ROUTING TABLE	IDSEL	INTERUPT	DEVICE
REQ0# / GNT0#	AD21	INTE#, F#, G#	RICOH R5C847





CRT PORT

24





EC-B-19

EC-A-04

FOR ESD

EC-B-0'

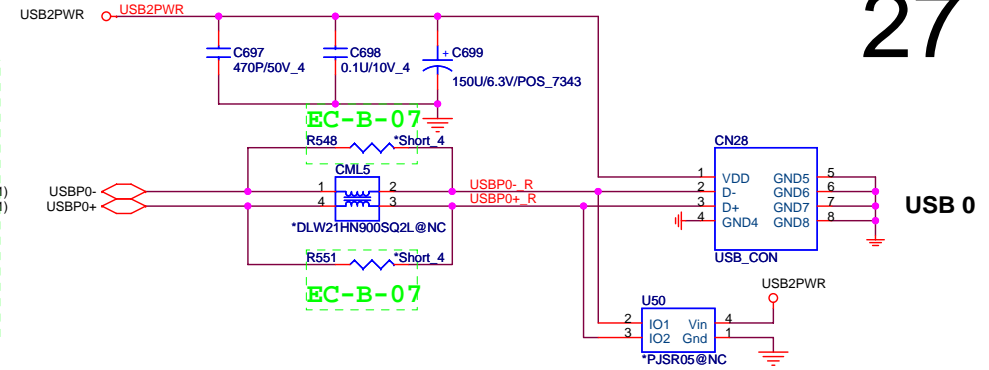
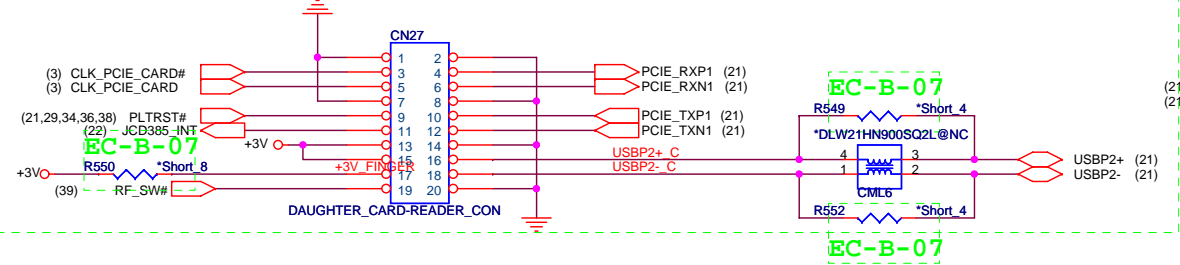
G-Note Montevina
Quanta Computer Inc.

Size B	Document Number LCD/LID/CAM CON	Rev 2
Date: Thursday, April 09, 2009	Sheet 25 of 55	

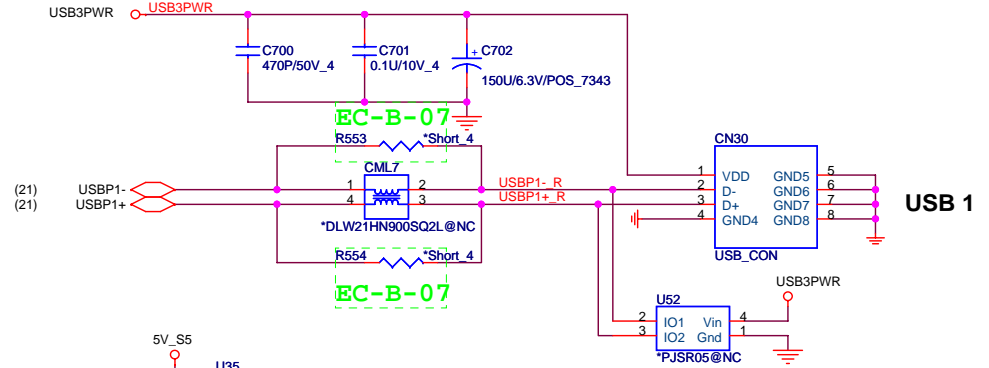
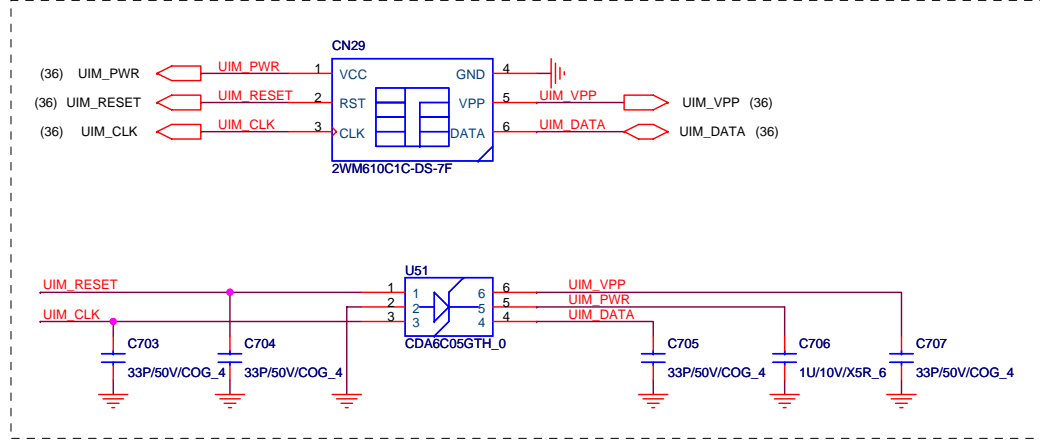
WIRE TO BOARD CONN CARD READER & FINGERPRINT

27

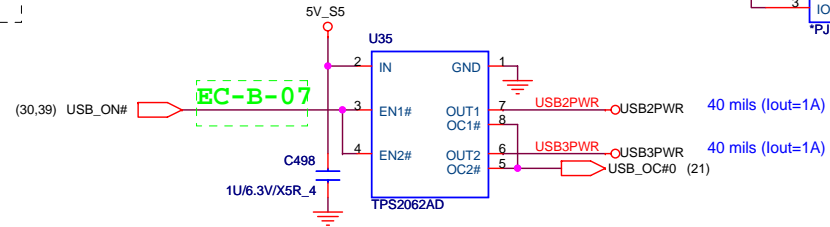
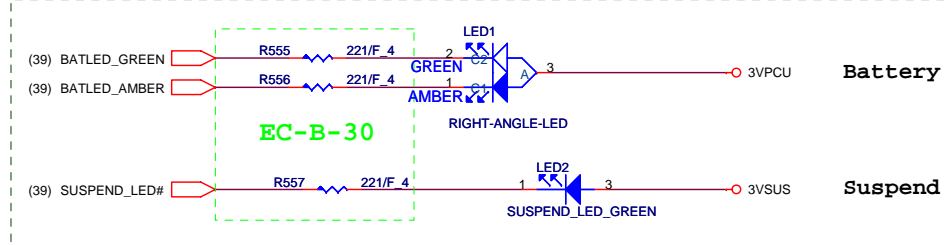
EC-A-20




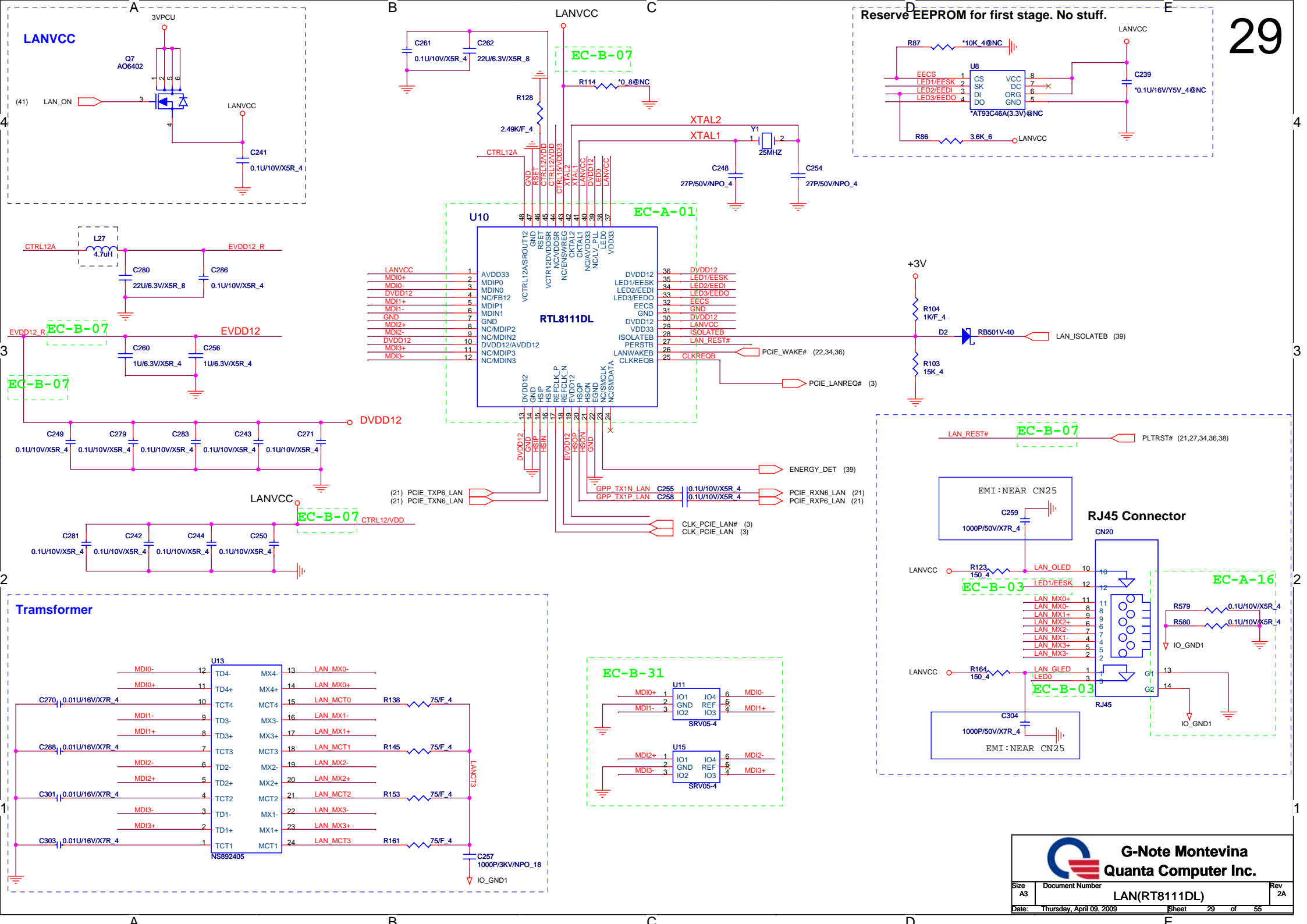
SIM Card CONN



FRONT LEDs

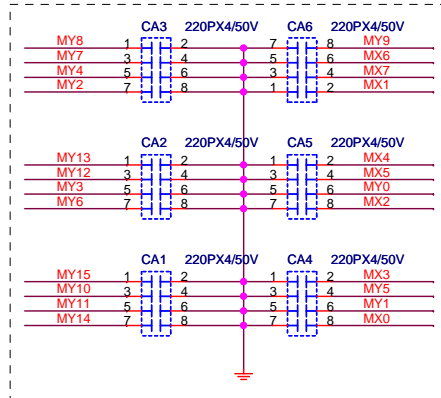
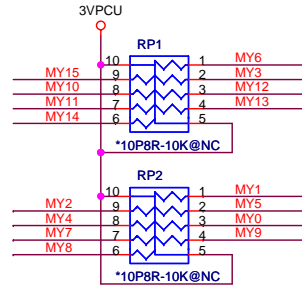
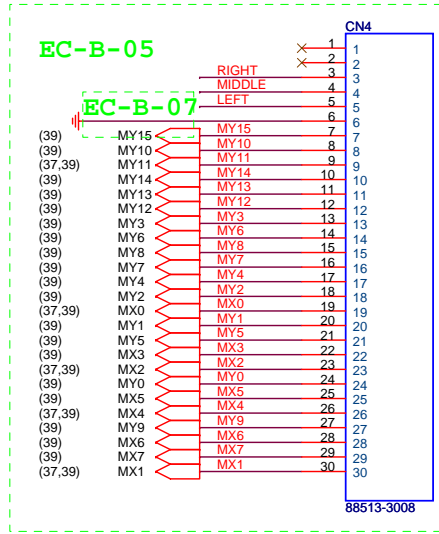


		PROJECT :G NOTE		Rev 2A
		Quanta Computer Inc.		
Size Custom	Document Number	USB X2/SIM_CARD/LEDs/RF		
Date:	Thursday, April 09, 2009	Sheet	27 of 55	



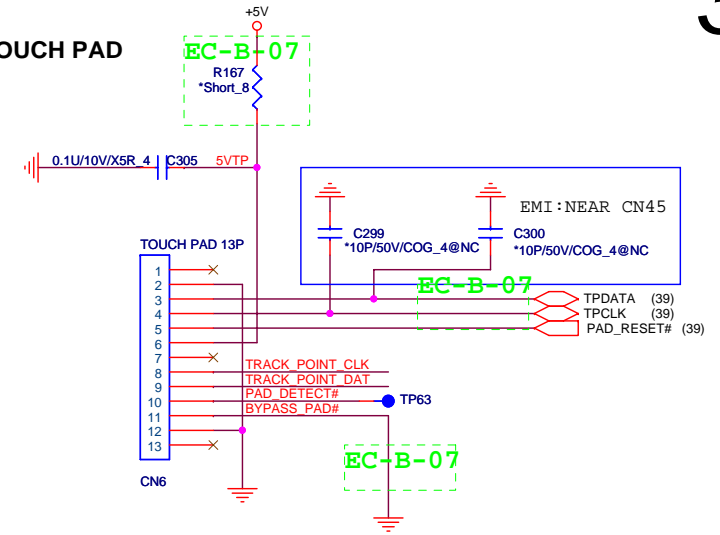
FAN, K/B, T/P & Track Point

KEYBOARD connector

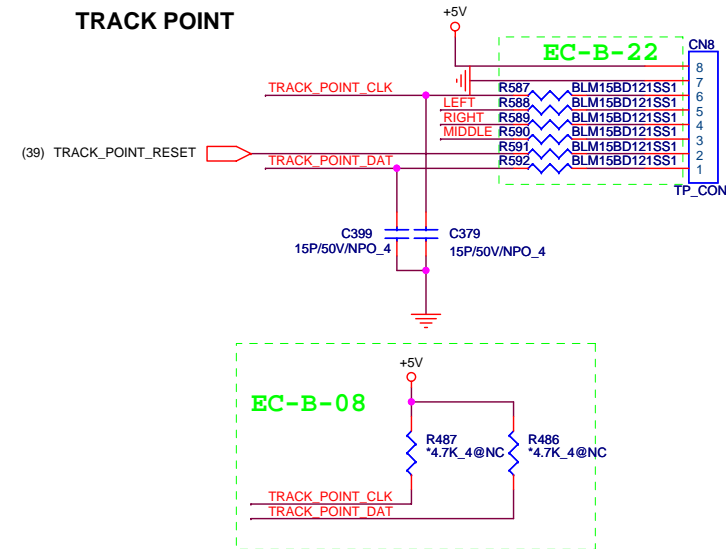


For EMI request

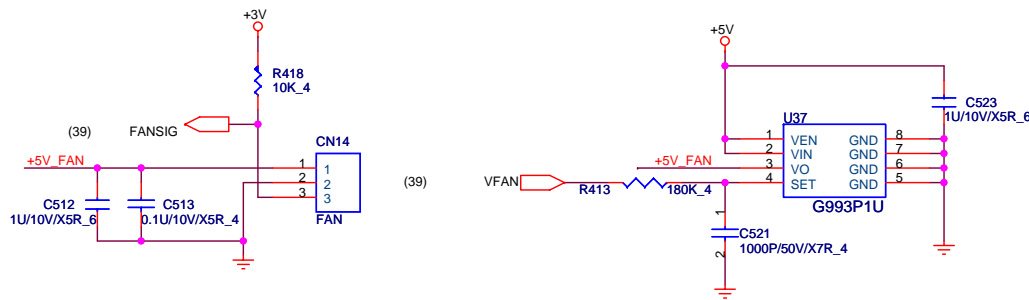
TOUCH PAD



TRACK POINT

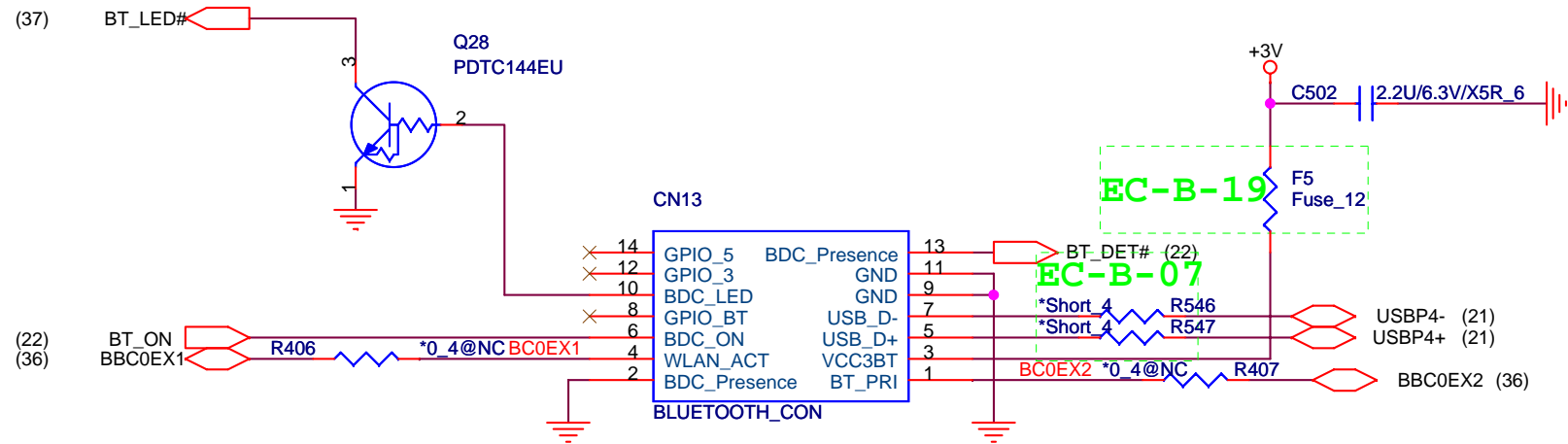


FAN Controller



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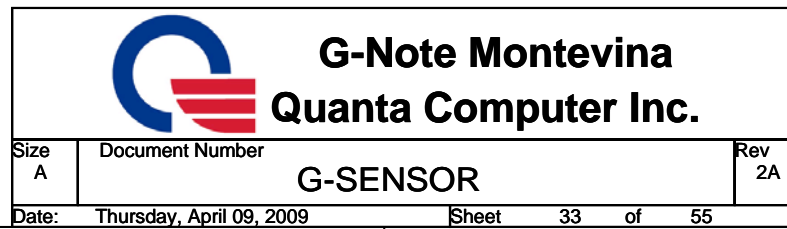
BLUETOOTH



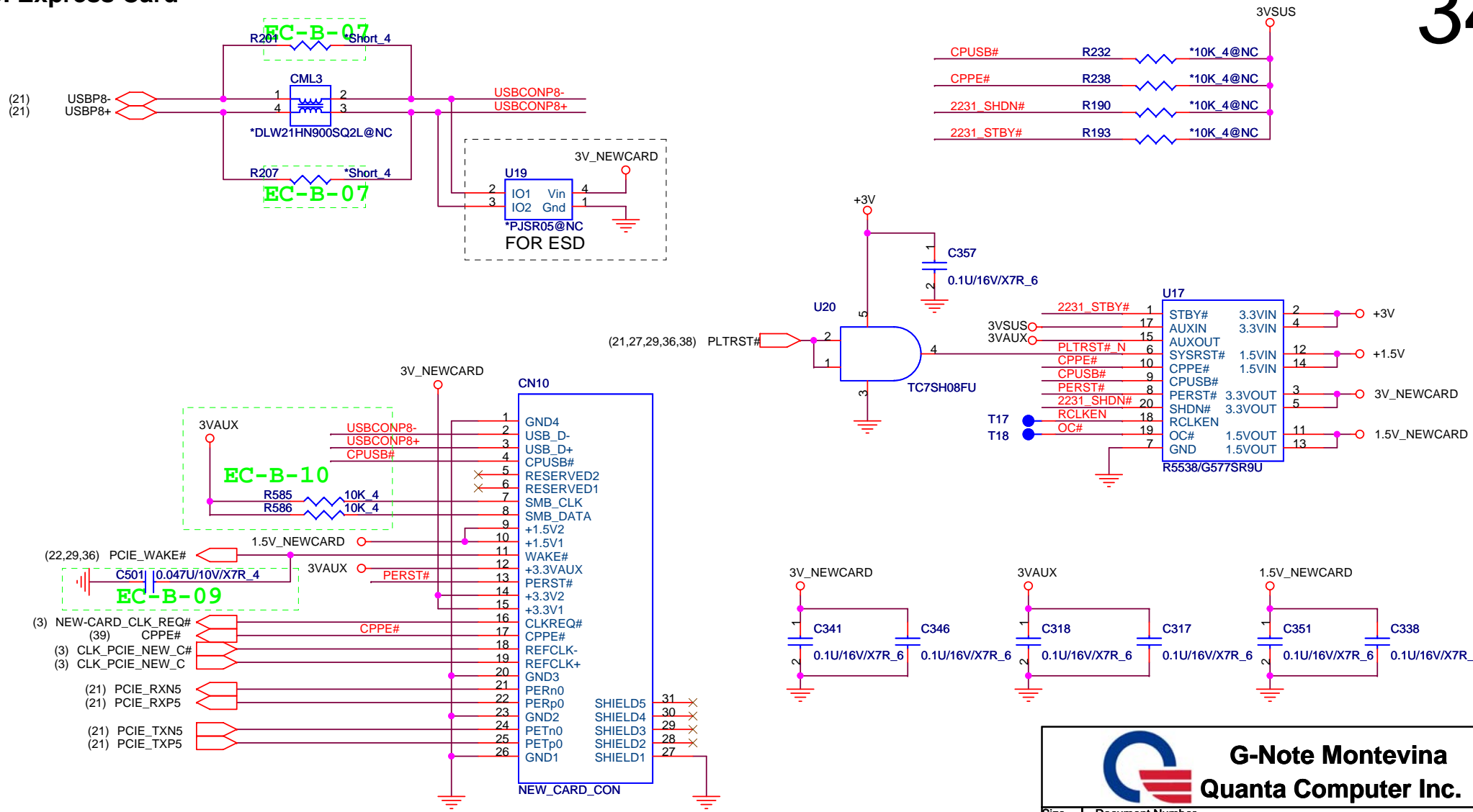
G-Note Montevina
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PCI Express Card





G-Note Montevina
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Mini PCI-E Card

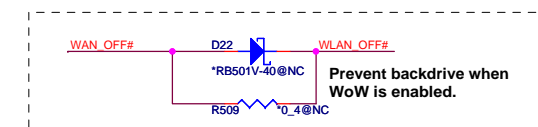
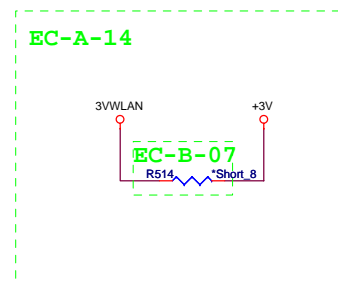
EC-B-04

35

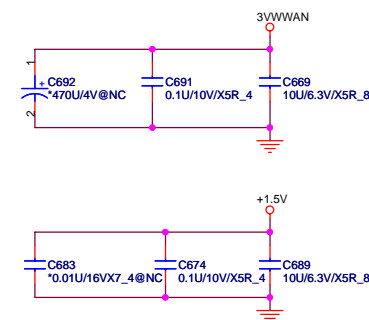
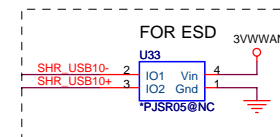


G-Note Montevina
Quanta Computer Inc.

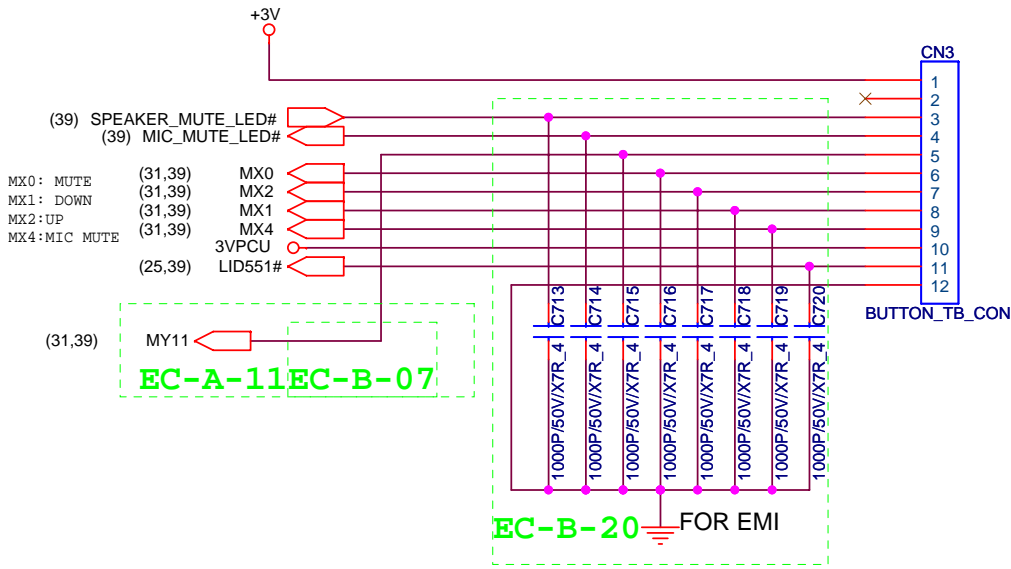
Size A	Document Number Mini PCI-E Card	Rev 2A
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Robson



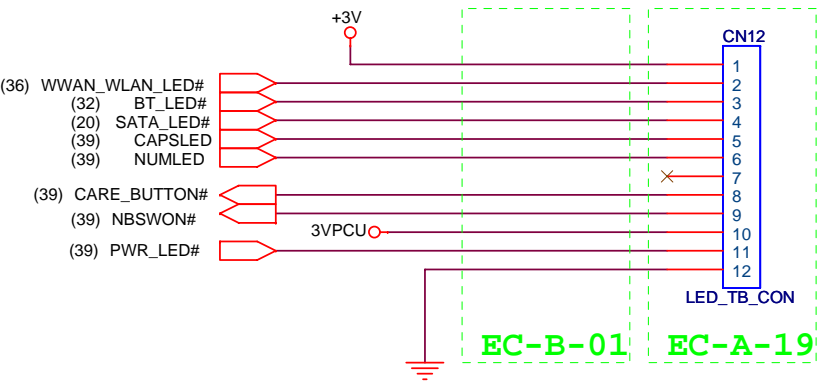
FFC TO KBD LEFT SIDE CONNECTOR



LOGO LED

EC-B-28

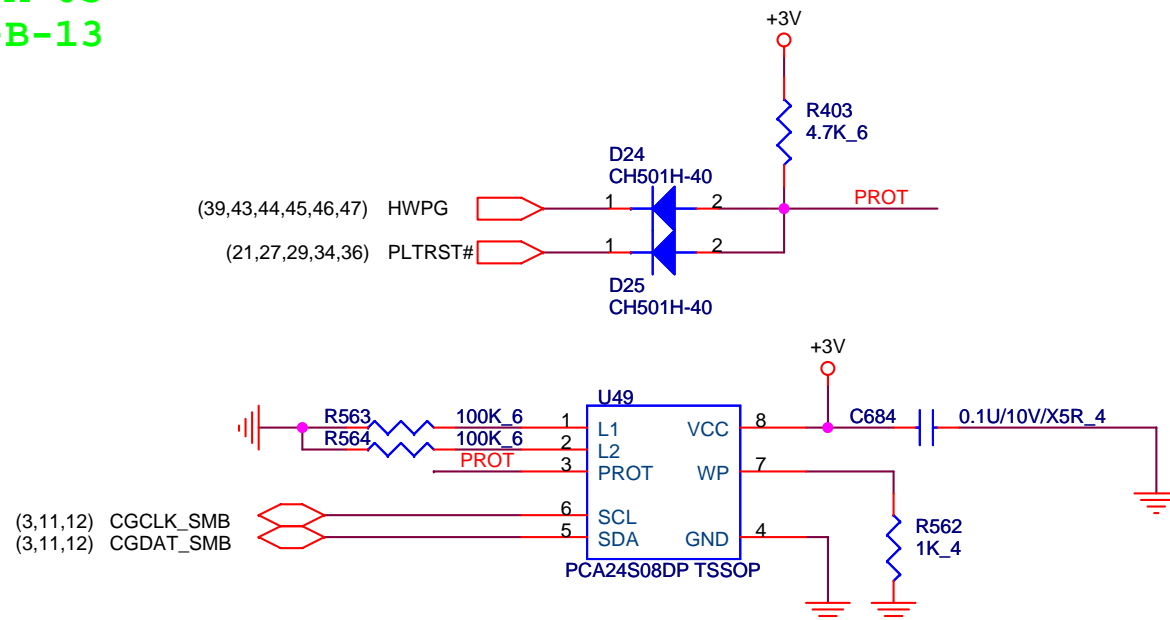
FFC TO LED RIGHT SIDE CONNECTOR



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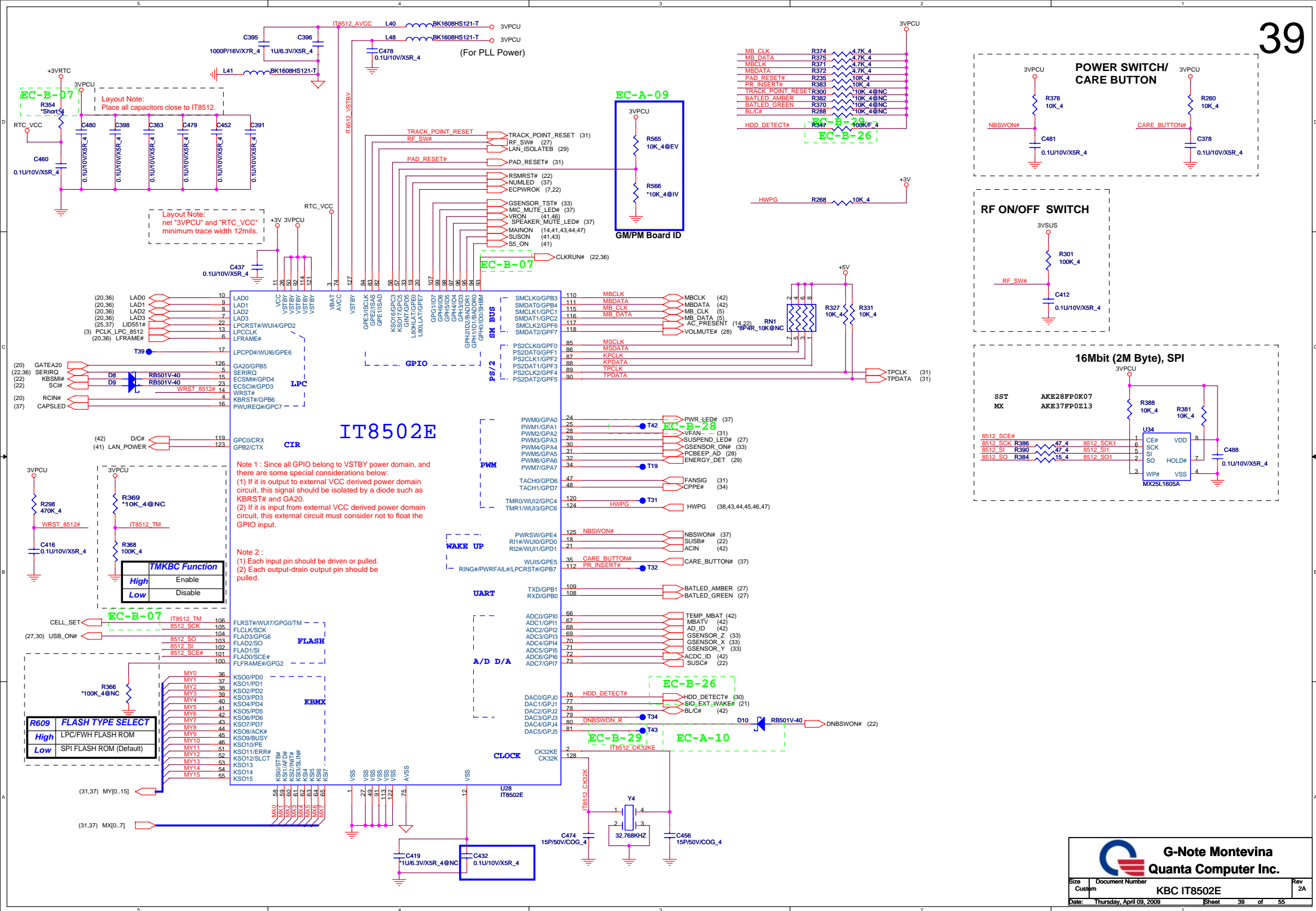
EC-A-03

EC-B-13



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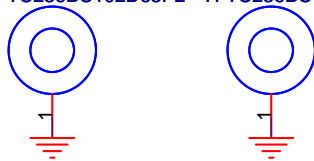
3mm minicard nut

HOLE10 H-Tc197BC142D102P2
HOLE12 H-Tc197BC142D102P2



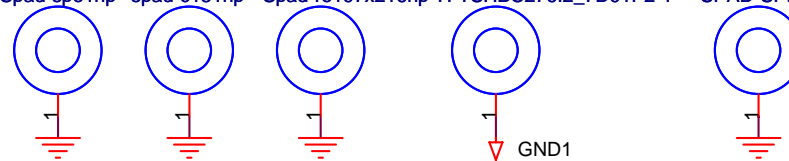
7mm minicard nut

HOLE26 H-Tc236BC102D63P2
HOLE27 H-Tc236BC102D63P2



PAD

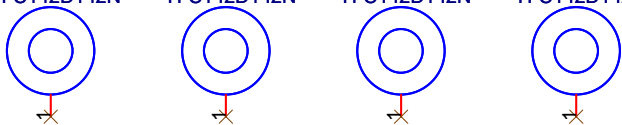
GP1 *Spad-spe1np GP2 *spad-c181np GP3 *Spad-re197x216np
GP4 H-TSHBC276I2_7D91P2-1 GP5 *SPAD-SPE3NP



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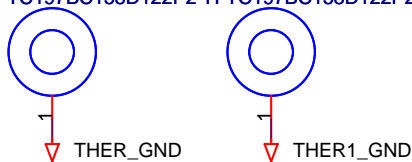
Hole for CPU support

HOLE20 *H-C142D142N HOLE21 *H-C142D142N
HOLE23 *H-C142D142N HOLE24 *H-C142D142N



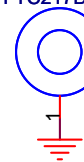
VGA nut

HOLE22 H-Tc197BC158D122P2 HOLE25 H-Tc197BC158D122P2



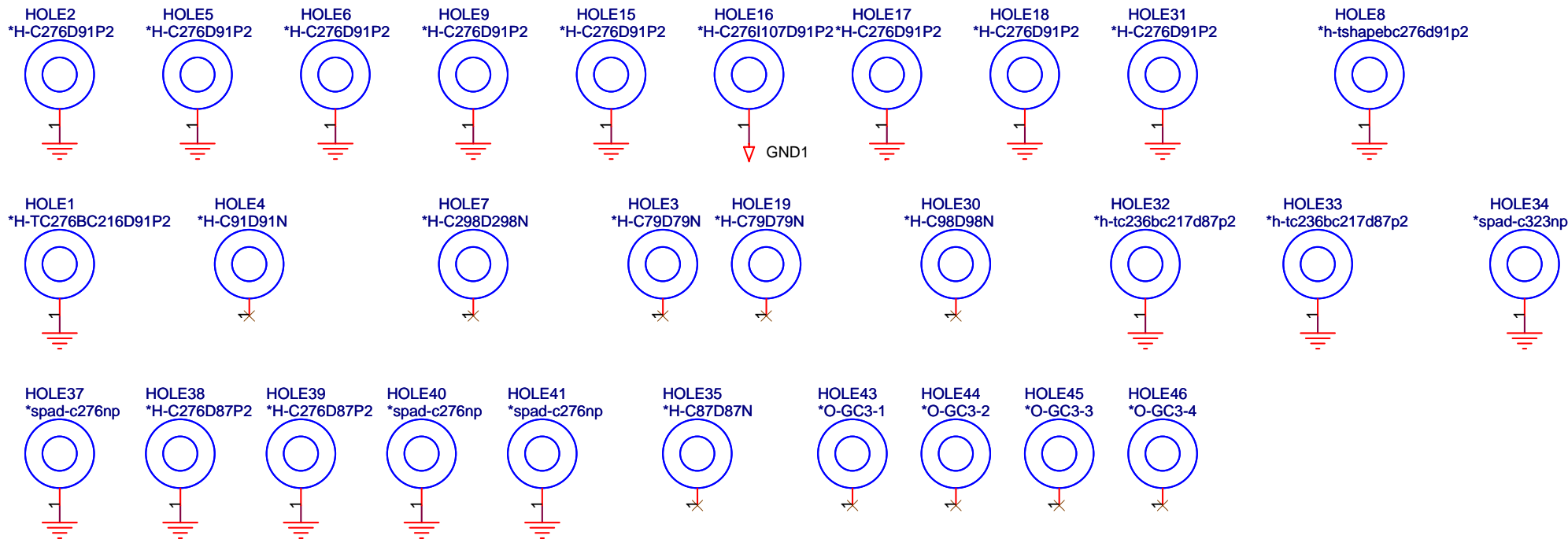
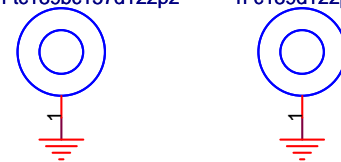
Bluetooth nut

HOLE14 H-Tc217BC154D118P2



Card reader board nut

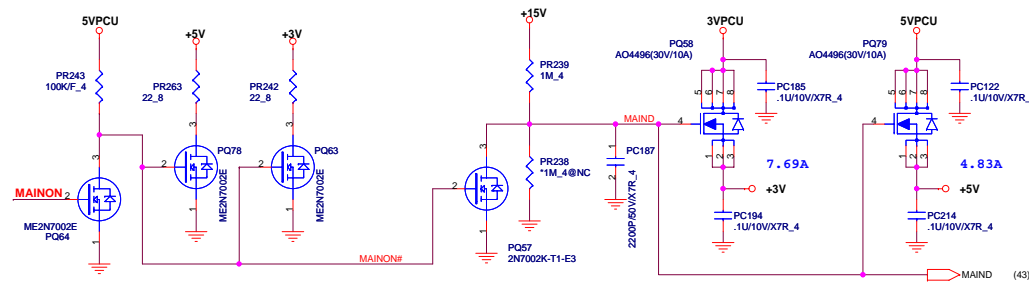
HOLE28 h-tc189bc157d122p2 HOLE29 h-c189d122pt



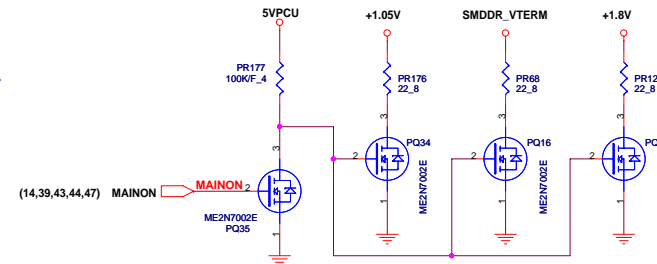
G-Note Montevina
Quanta Computer Inc.

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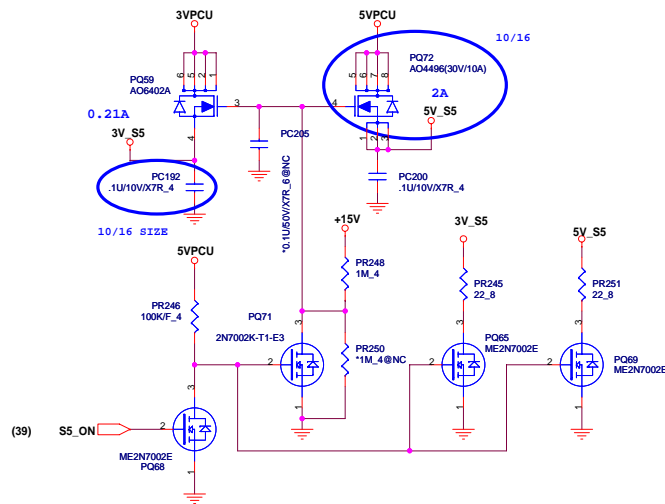
+3V, +5V



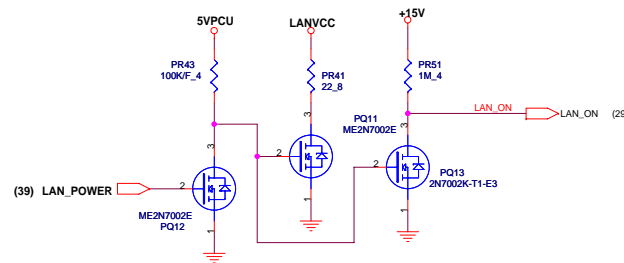
+1.8V, +1.05V, SMDDR_VTERM



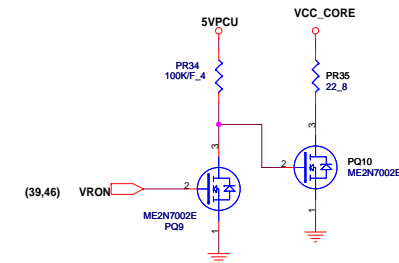
3V_S5, 5V_S5



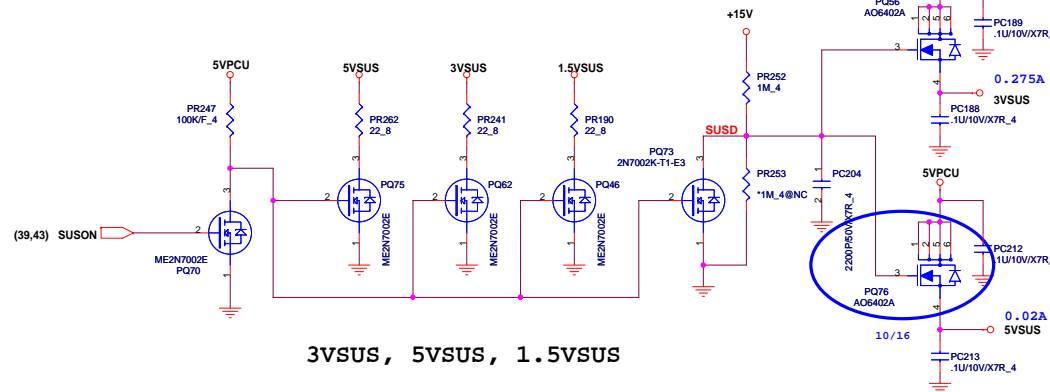
LANVCC



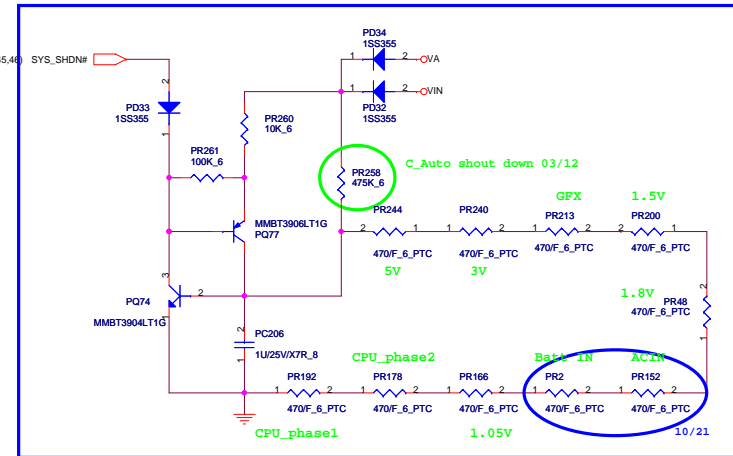
VCC_CORE



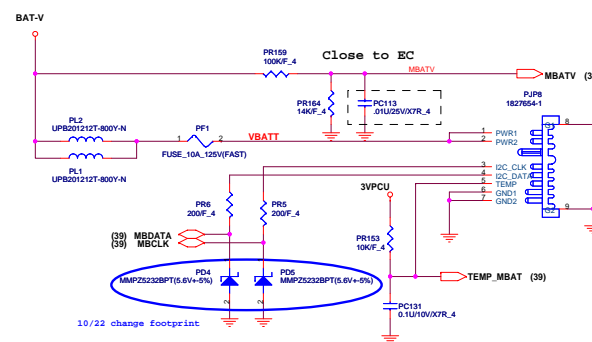
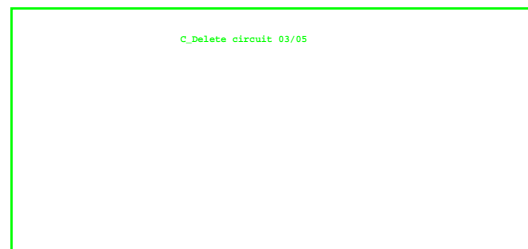
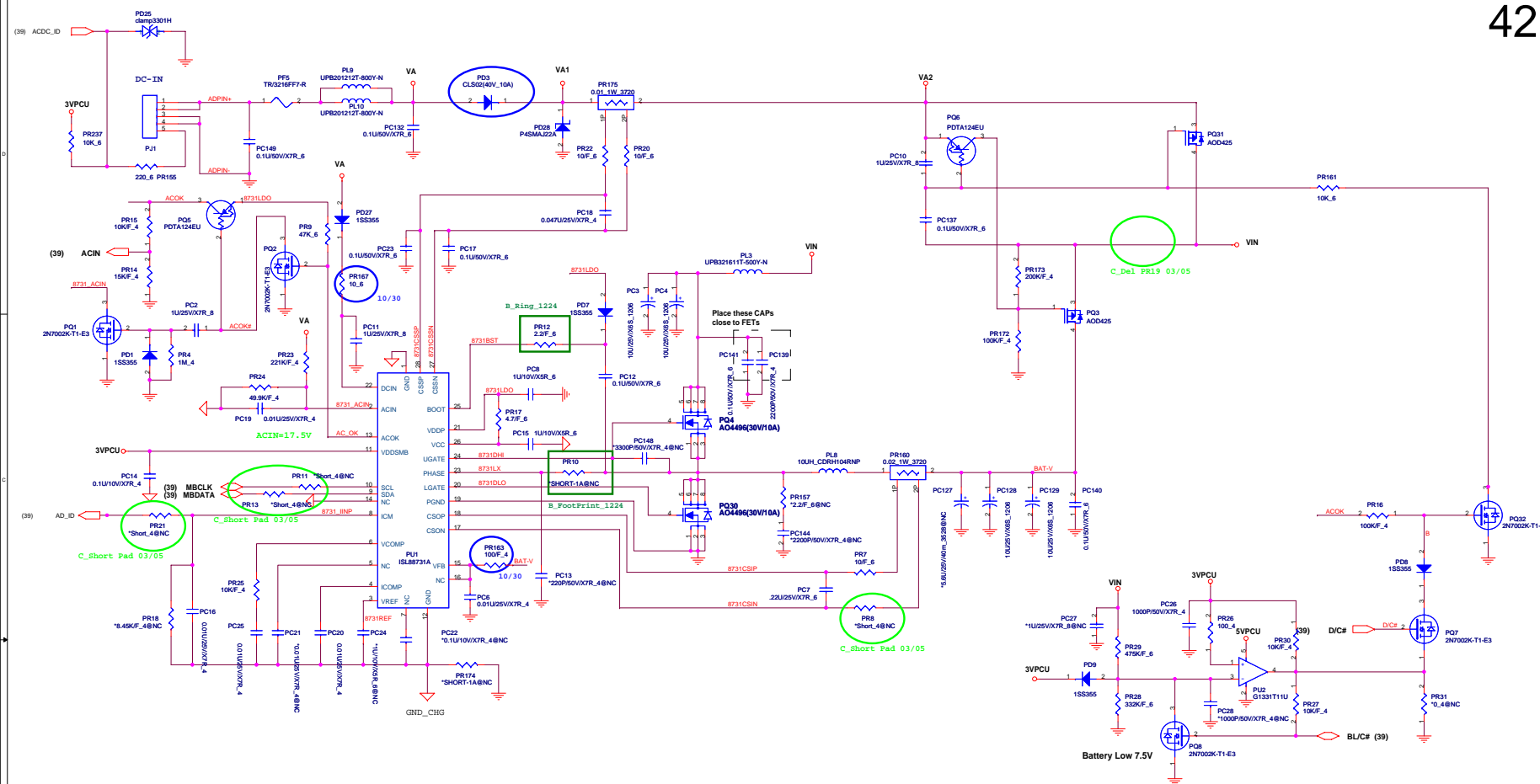
9/25 SIZE

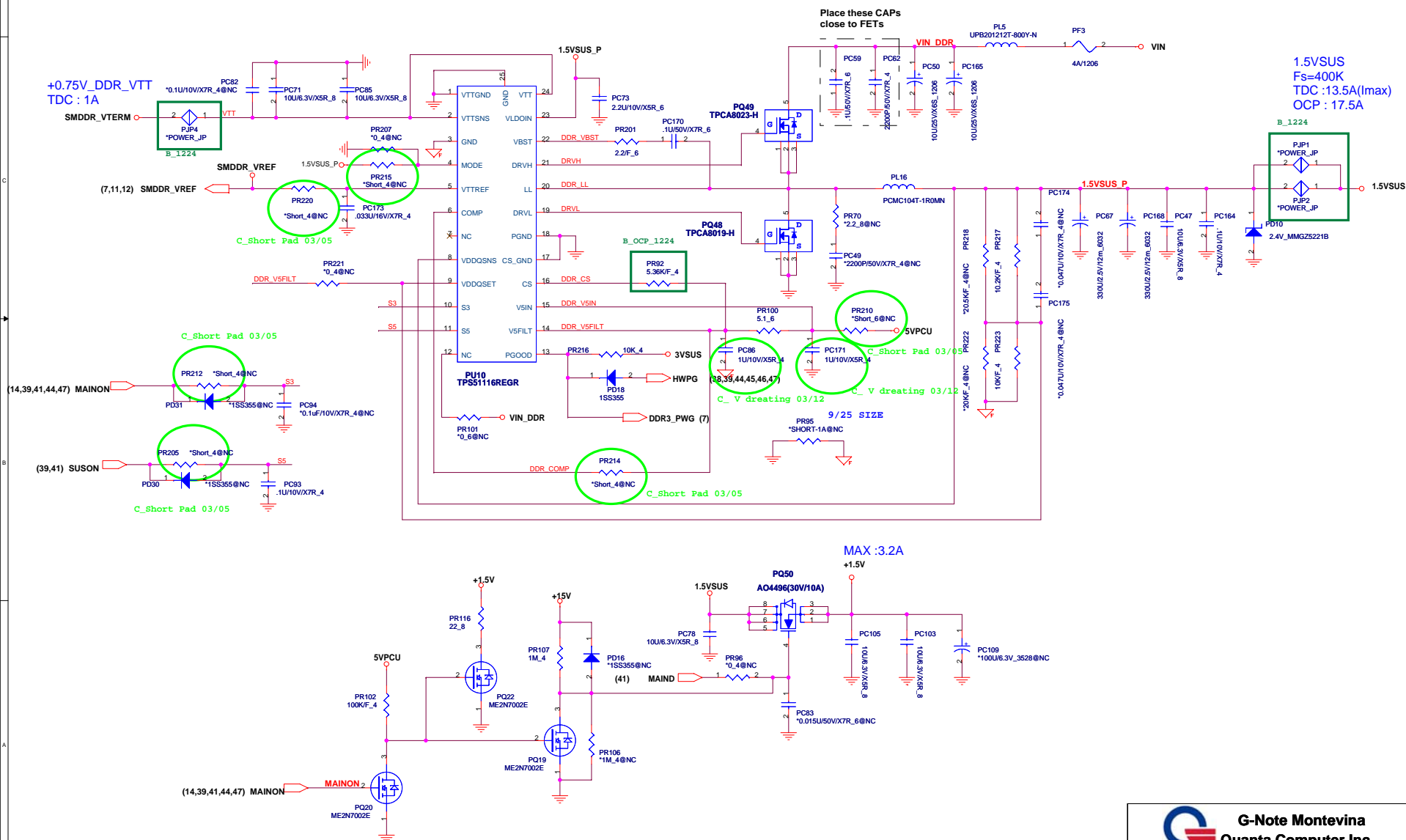


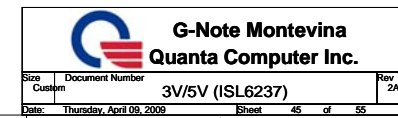
3VSUS, 5VSUS, 1.5VSUS

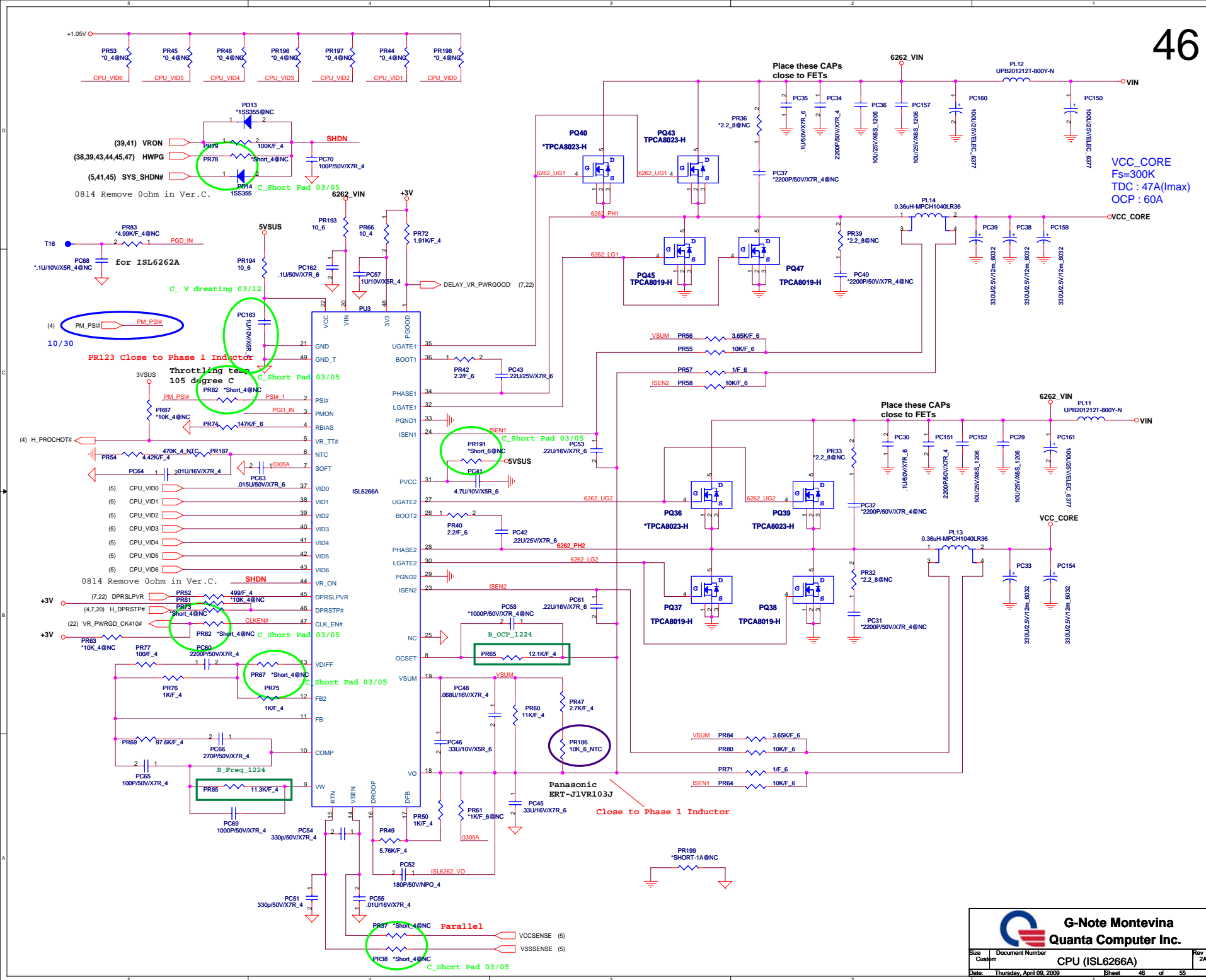


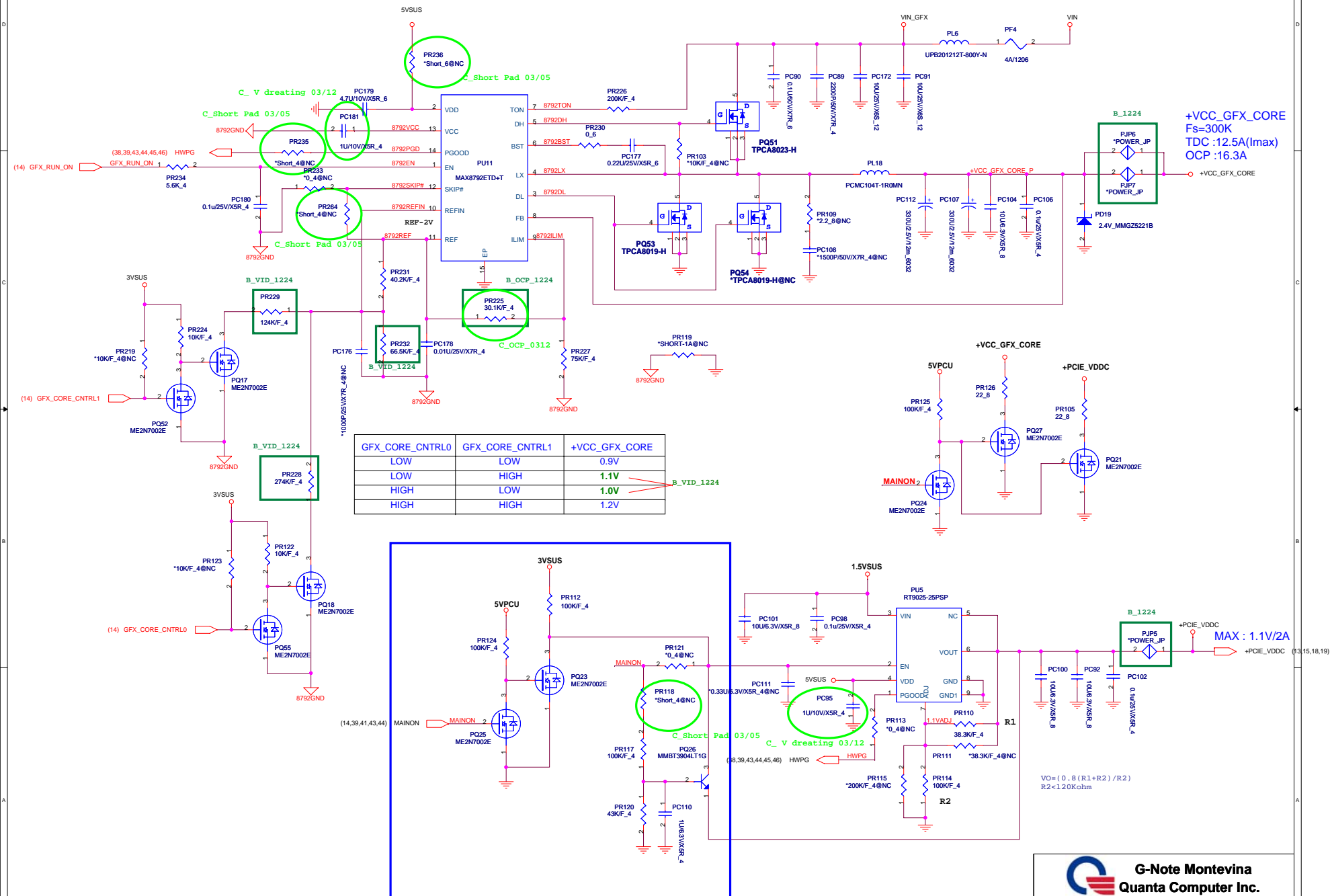
G-Note Montevina
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Revision History

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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

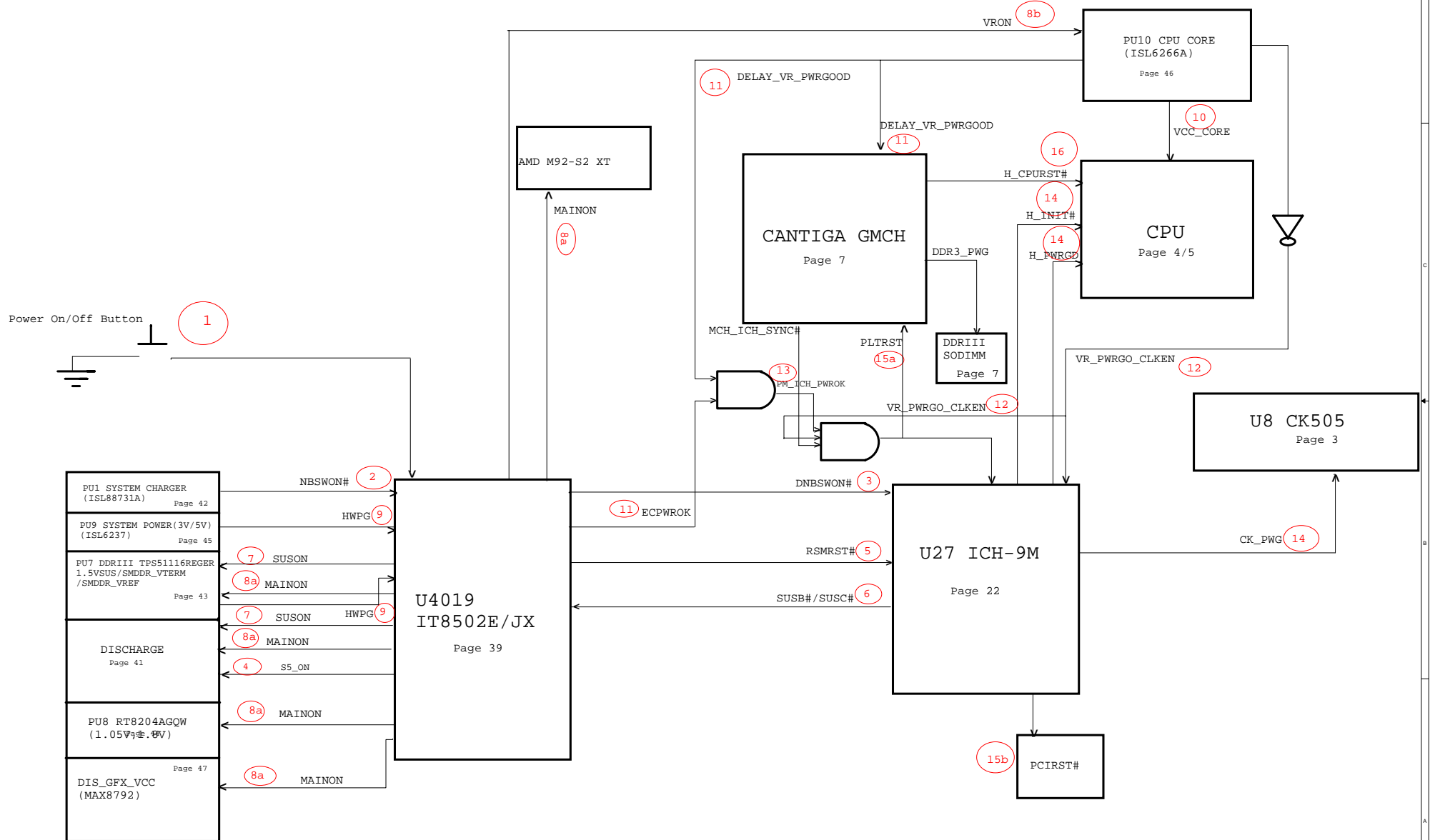
Value	Voltage	Material	6				*	Description
*0.1U/10V/X5R_4	10V	X5R	0402 (1005)				DE POP	0.1UF 10V X5R SMD 0402 package DE POP
1U/25V/X7R_6	25V	X7R	0603 (1608)				POP	0.1UF 25V X7R SMD 0603 package POP

G NOTE SKU TABLE

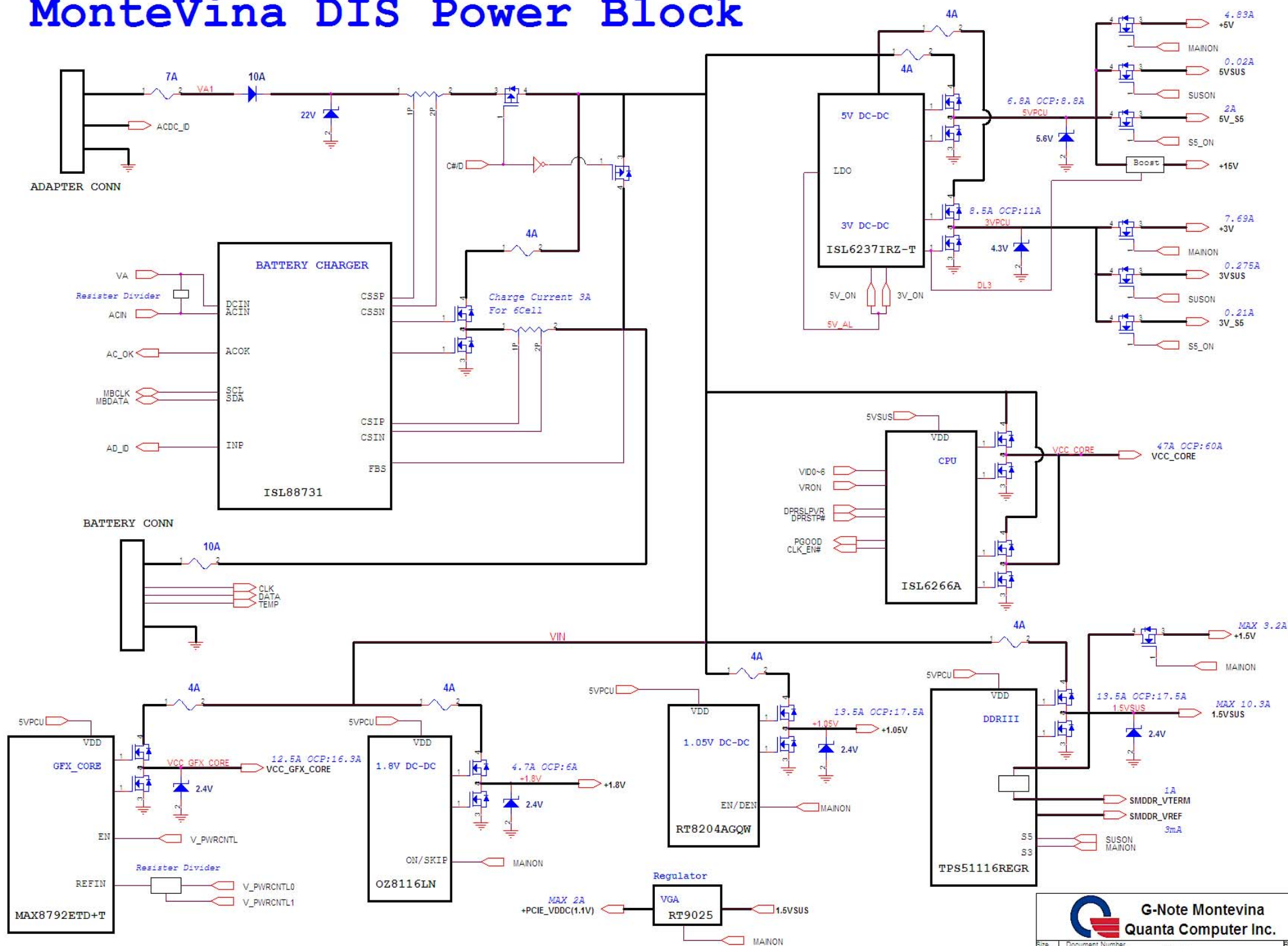
[illegible]

G NOTE SKU TABLE

[illegible]



MonteVina DIS Power Block



EC NO.	PG.	DATE	PART REFERENCE	DESCRIPTION
EC-A-01	42	12/24	PR10	Change Footprint
EC-A-02	42	12/24	PR12	Change to 2.2 ohm reduce phase ring
EC-A-03	42	12/24	PD6	Delete Footprint
EC-A-04	43	12/24	PJP1,PJP2,PJP4	Change Footprint
EC-A-05	43	12/24	PR92	Change to 5.36K for OCP
EC-A-06	44	12/24	PR151	Change to 2.8K for OCP
EC-A-07	44	12/24	PJP3,PJP9,PJP10	Change Footprint
EC-A-08	45	12/24	PR131	Change to 267K for OCP
EC-A-09	45	12/24	PC134,PC211	Change to 4.7u reduce H.F. noise reduce
EC-A-10	45	12/24	PD20,PD23	NA to reduce leakage current
EC-A-11	46	12/24	PR65	Change to 12.1K for OCP
EC-A-12	46	12/24	PR85	Change to 11.3K for frequency 300KHz
EC-A-13	47	12/24	PJP5,PJP6,PJP7	Change Footprint
EC-A-14	47	12/24	PR225	Change to 80.6K for OCP
EC-A-15	47	12/24	PR228,PR229,PR232	Change for VID point setting



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A stage

2008	EC NO.	PG.	DATE	PART REFERENCE	DESCRIPTION
A stage	EC-A-01	29	12/08	U10	Change LAN IC footprint from (LQFP48-9X9-4)0.4 to (LQFP48-9X9-5)0.5 pitch
	EC-A-02	28	12/08	U32	Change Codec IC footprint to qfn48-7x7-5-58p-0_9h.(Add 9 via at the center PAD of original IC footprint)
	EC-A-03	38	12/08	U49	Change U49 schematic by adding R562,R563,R564 and D24 to solve F4 error code issue.
	EC-A-04	25	12/08	R196	Delete CCD_ON which was use to control CAM_VCC by change R196 from depop to pop and delete U16,C353,R204,R211,R219,R221.
	EC-A-05	14	12/08	R399	Add R399 to pull low CPIO_19_CTF according to AMD FAE suggestion.
	EC-A-06	22	12/08	R347	Replace CCD_ON with HDD_DETECT#, original HDD_DETECT# will cause FF error code while attached HDD.
	EC-A-07	03	12/08	R313	Change to 4.7Kohm To solve N.B. cannot get correct FSB frequency selection (error coed 02)
	EC-A-08	36	12/08	CN11	Add CLKRUN#,SERIRQ,LPC_LDRQ0#,LPC_PD#
	EC-A-09	39	12/08	R565,R566	Add adapter selection board ID by adding R565 an R566.
	EC-A-10	25	12/08	Q13	Change Q13 connection.
	EC-A-11	37	12/08	R567,R568	Add optional resistor between MY11 and MY13
	EC-A-12	28	12/11	C465,C426,C427, C506,C507,C499, C495,C497,C455	Change footprint from 0805 to 0603 per mechanical request.
	EC-A-13	25	12/19	CN5	Connect LCD connector shielding to GND for better EMI performance.
	EC-A-14	36	12/23	C679,Q35,Q36A, Q36B,R506,R510, R511,R519,R521	Delete redundunt schematic to save space for layout.
	EC-A-15	05	12/23	C708,C709,Q38, Q39,Q40,R569, R570,R571,R572, R573,R574,U53	Change thermal sensor.
	EC-A-16	29	12/23	R579,R580	Add IO_GND1 for LAN connector per EMI request.
	EC-A-17	26	12/24	R581,R582,R583, Q41,Q42	Change HP_DET schematic for better ESD protection and prevent floating
	EC-A-18	28	12/30	U54,D26,D27, C710	Add new schematic to prevent "POP" sound.
	EC-A-19	37	12/30	CN12	Add CN12 for 14" PCB due to mechanical design limit.
2009	EC-A-20	27	01/07	CN27	Change pin define of CN27 by intercept GND pin between differential pair per EMI request.



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2009	B stage	EC NO.	PG.	DATE	PART REFERENCE	DESCRIPTION
		EC-B-01	37	02/24	CN2	Delete CN2(extra right button/b connector)
		EC-B-02	30	02/24	CN19	Delete CN23 (extra ODD connector)
		EC-B-03	29	02/24	CN20	Swap PIN3 and PIN14 to correct the LED behavior.
		EC-B-04	3 21 35	02/26	C664,C665,C667, C672,C685,CN9, R488,R489,R491, R492,R494,R496, R515,U46,C324, C325,RP4,R293	Delete one minicard slot per customer request.
		EC-B-05	30	02/26	CN4	Reverse the pin define of KB connector for the conveninece of assembly.
		EC-B-06	33	02/26	R584	Insert 10 ohm resister(10_6) between FET and VDD(G-sensor) for Analog noise reduction.
		EC-B-07	03 10 13 14 17 22 23 24 25 27 28 29 30 31 32 36 39	02/27	C403,L2,L56,R322, R105,R113,R127,R131, R133,R142,R143,R151, R159,R16,R160,R167, R180,R186,R579,R261, R269,R329,R339,R355, R356,R214,R22,R252, R255,R267,R550,R278, R282,R284,R286,R294, R312,R314,R33,R332, R338,R340,R547,R351, R353,R354,R367,R377, R401,R402,R405,R415, R429,R435,R436,R454, R493,R502,R505,R514, R518,R522,R567,R568 R525,R529,R531,R534, R537,R580,R543,R545, R546,R9,R38,R65,RP3, RP4,RP5,RP6,RP7, R569,R48,R362,R92, R119,R32,R36,R444, R447,R485R162,R163, R189,R192,R200,R206, R216,R227,R237,R244, R548,R549,R551,R552, R553,R554,R60,R101, R102,R364,R201,R207	Delete redundant 0 ohm or change it to short pad in the circuit.



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2009	EC NO.	PG.	DATE	PART REFERENCE	DESCRIPTION
B stage	EC-B-08	31	03/03	R486,R487	Add but no assembly
	EC-B-09	34	03/03	C501	Add
	EC-B-10	34	03/03	R585,R586	Disconnect SMB and change it to pull high 10K to 3VAUX
	EC-B-11	36	03/03	R523,R524	Change to 4.7K and pull high to 3VWLAN
	EC-B-12	36	03/03	R526,R528	Change to 4.7K and pull high to 3VWWAN
	EC-B-13	38	03/03	C684,D24,D25, R403,R562,R563, R564,U49	Change RFID IC package to TSSOP.
	EC-B-14	28	03/04	C711,C712	Reserve 1u capacitor between L+,L- and R+,R- for EMI
	EC-B-15	22	03/04	R223,R224, R239,R250	Change board ID for SIT stage.
	EC-B-17	28	03/06	R272,R273,R274, R275	Add R272,R273,R274,R275 for EMI
	EC-B-18	26	03/06	D21	
	EC-B-19	25 32	03/12	F3,F4,F5	
	EC-B-20	37	03/09	C713,C714,C715, C716,C717,C718, C719,C720	Add capacitor for EMI
	EC-B-21	03	03/09	R357,R323,R279	Due cpu clock already fix,so delete redundant parts.
	EC-B-22	31	03/10	R587,R588,R589, R590,R591,R592	Add EMI filter for RF
	EC-B-23	44	03/16	PD17	Assembly PD17 to correct VGA graphic power off sequence.
	EC-B-24	25	03/12	R593,C311,C312	Add bead for EMI
	EC-B-26	24	03/17	D14,D15,D16, D17,D18,D19, D20	Change CRT ESD protection from Switching Diode to Transient Voltage Suppressors.
	EC-B-27	22,39	03/30	R347	Change HDD_DETECT# connection from ICH9 to KBC
	EC-B-28	25,37 39	04/07	Q17,Q19,R169, R174,R175	Delete LOGO Led for cost down
	EC-B-29	25 39	04/07	R541,C309,Q13, Q14,R165,R166	Delete THINK light for cost down
	EC-B-30	27	04/08	R555,R556,R557	Fine tune battery and suspend LED brightness
	EC-B-31	29	04/10	U11,U15	Replace TVS between transformer and LAN IC for Hi-pot test



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