


Schematics Page Index (Title / Revision / Change Date)

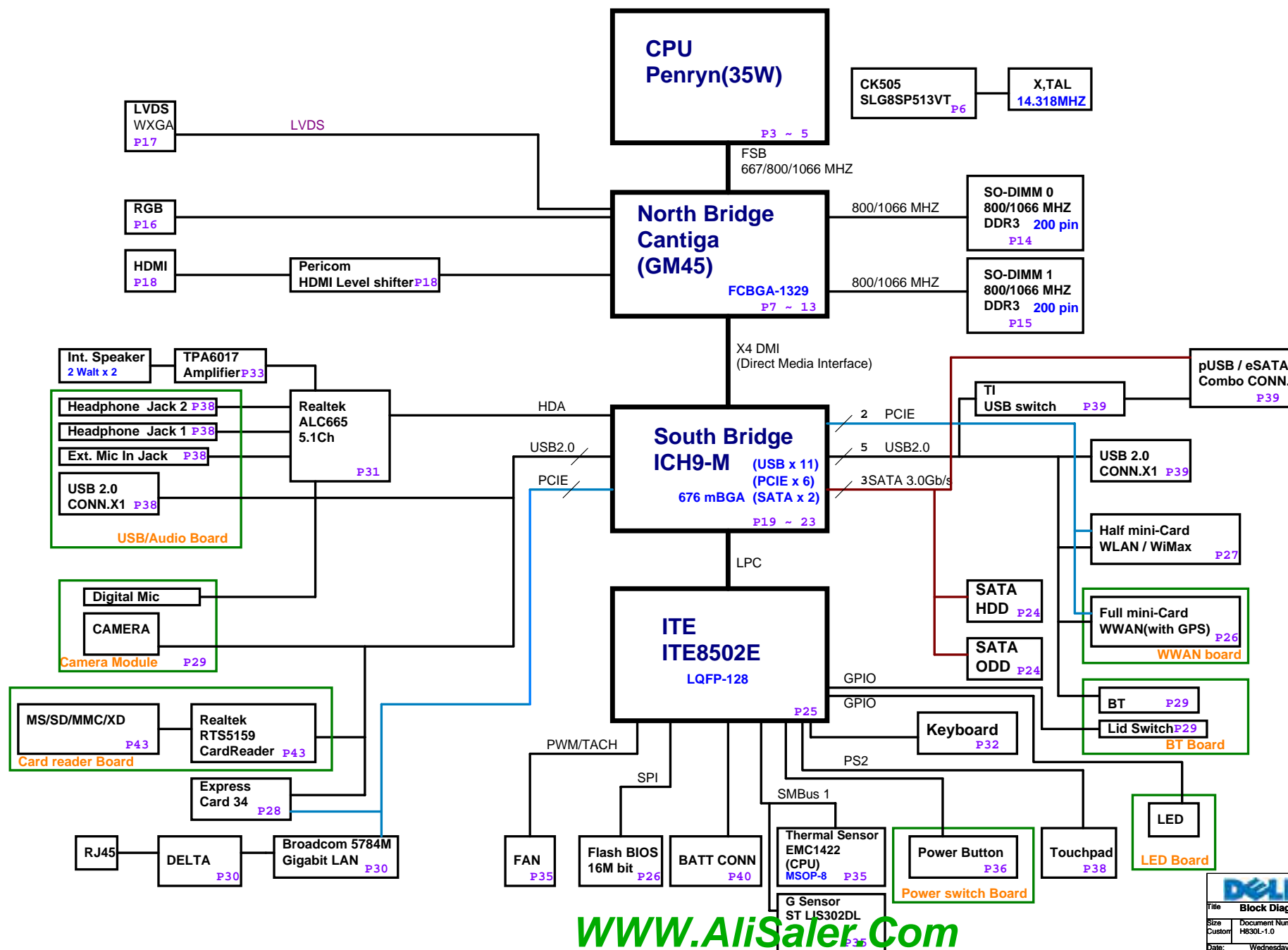
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08	Cantiga (DMI) 2/7	1.0	09'0410	43	SYS Power(+1_5V/+1_05V)	1.0	09'0410
09	Cantiga (GRAPHIC) 3/7	1.0	09'0410	44	DDR3 Power(+1_5V/+0_75V)	1.0	09'0410
10	Cantiga (DDRII) 4/7	1.0	09'0410	45	CPU_Vcore---ISL6266A	1.0	09'0410
11	Cantiga (POWER,VCC) 5/7	1.0	09'0410	46	Others power plane	1.0	09'0410
12	Cantiga (VCC CORE) 6/7	1.0	09'0410	47	HOLE	1.0	09'0410
13	Cantiga (VSS) 7/7	1.0	09'0410	48	History (1)	1.0	09'0410
14	DDR3(SO-DIMM_0) 1/2	1.0	09'0410	49	History (2)	1.0	09'0410
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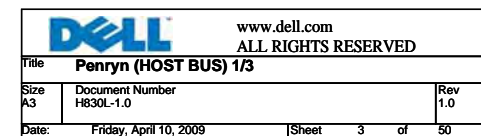
Project Code & Schematics Subject: H830-L Main Board_6L

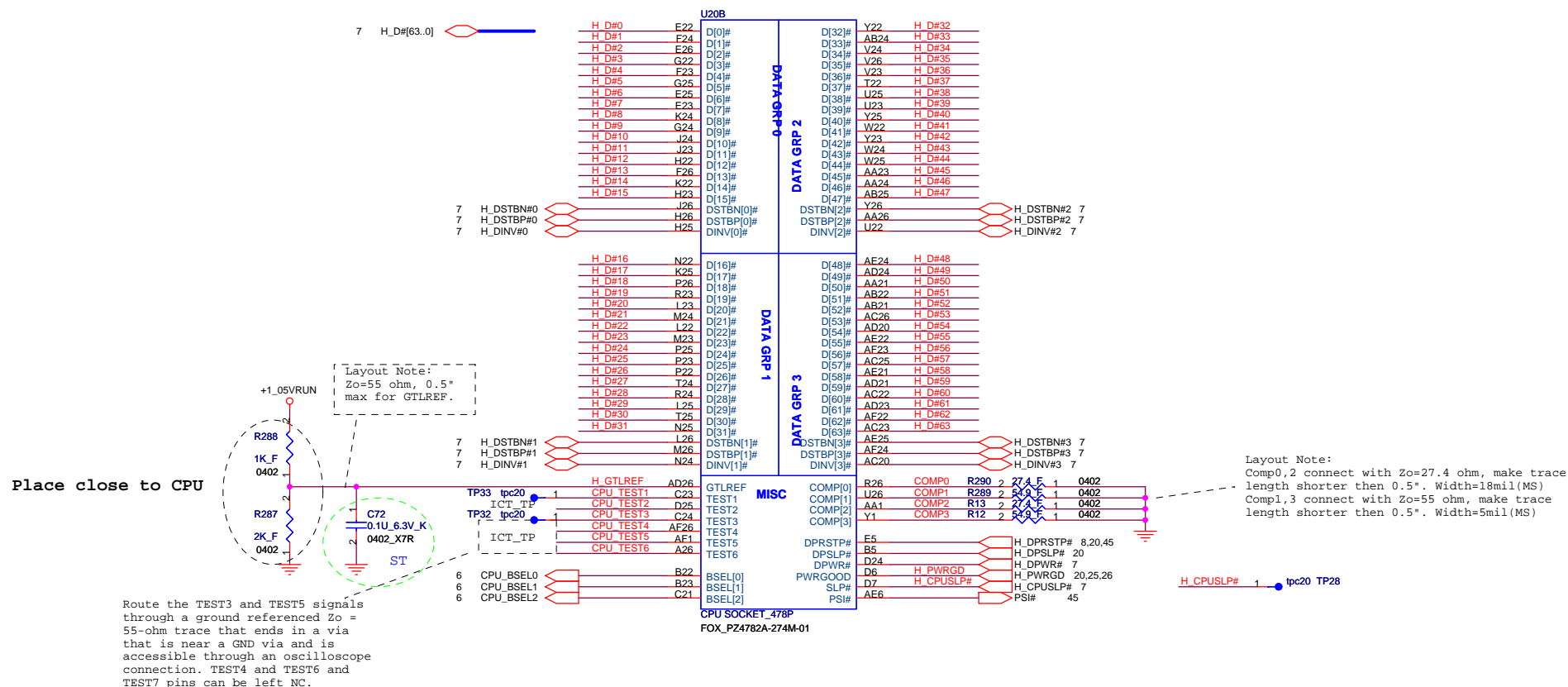
PCB P/N:	1P-0093200-6010 (NANYA) 1P-0093J00-6010 (IRIS) 1P-0093500-6010 (HANNSTAR)
BT DB P/N:	1P-1093200-6010 (NANYA) 1P-1093J03-6010 (IRIS) 1P-1093503-6010 (HANNSTAR)
LED DB P/N:	1P-1093201-6010 (NANYA) 1P-1093J01-6010 (IRIS) 1P-1093502-6010 (HANNSTAR)
P/B DB P/N:	1P-1093202-6010 (NANYA) 1P-1093J00-6010 (IRIS) 1P-1093501-6010 (HANNSTAR)

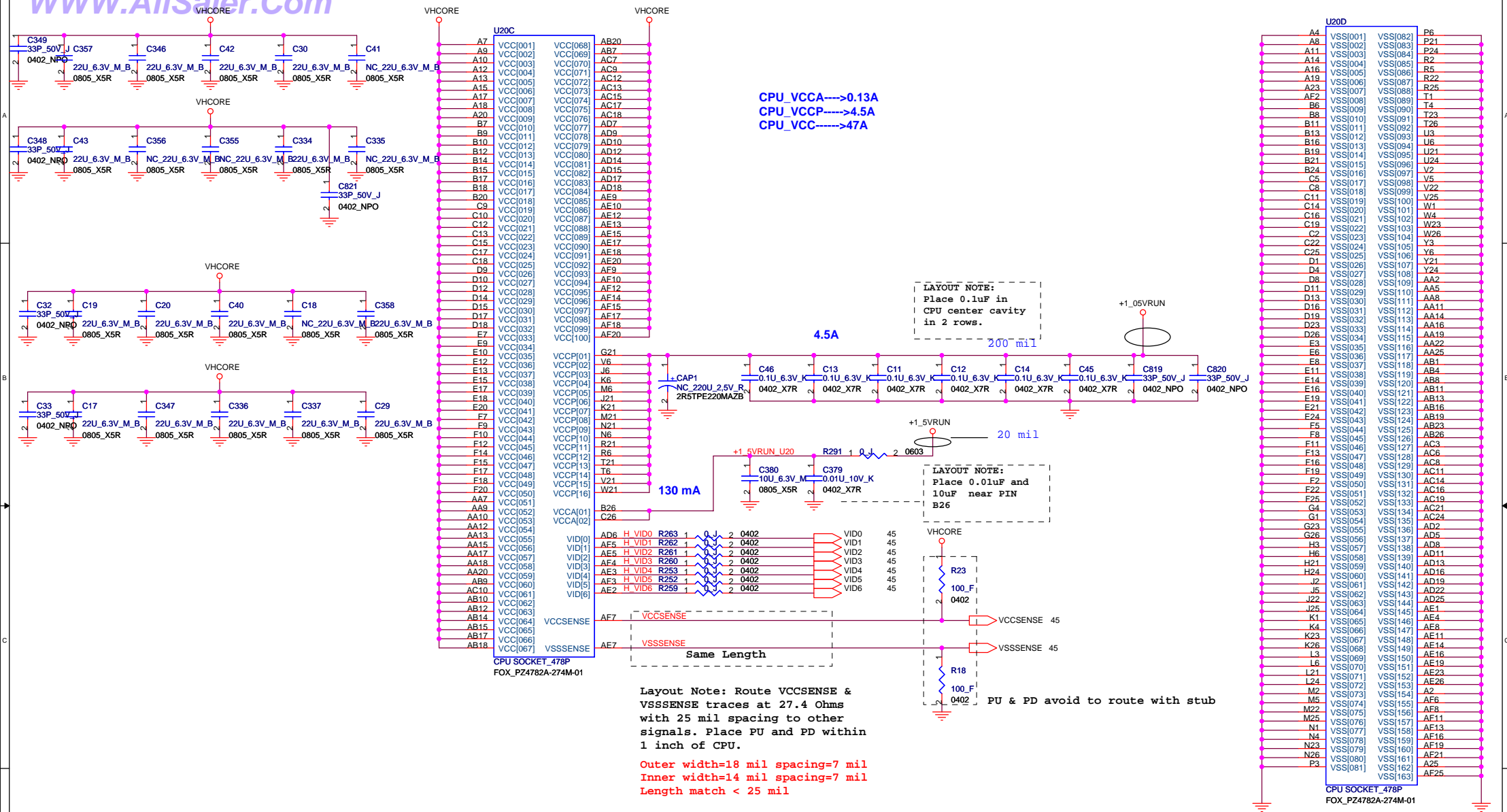
P. Leader	Check by	Design by
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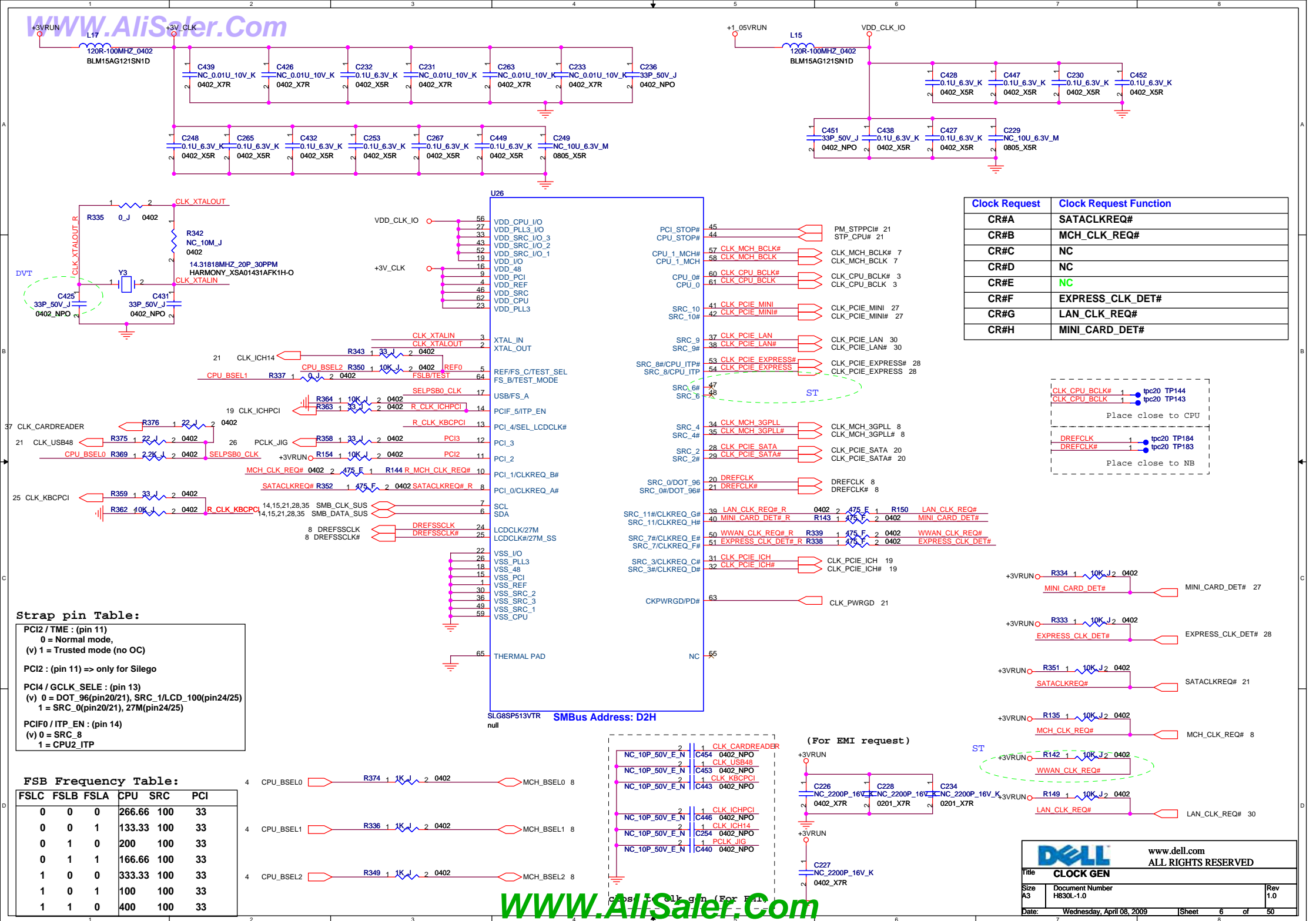
H830(Montevina UMA)



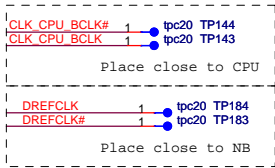








Clock Request	Clock Request Function
CR#A	SATACLKREQ#
CR#B	MCH_CLK_REQ#
CR#C	NC
CR#D	NC
CR#E	NC
CR#F	EXPRESS_CLK_DET#
CR#G	LAN_CLK_REQ#
CR#H	MINI_CARD_DET#



Strap pin Table:

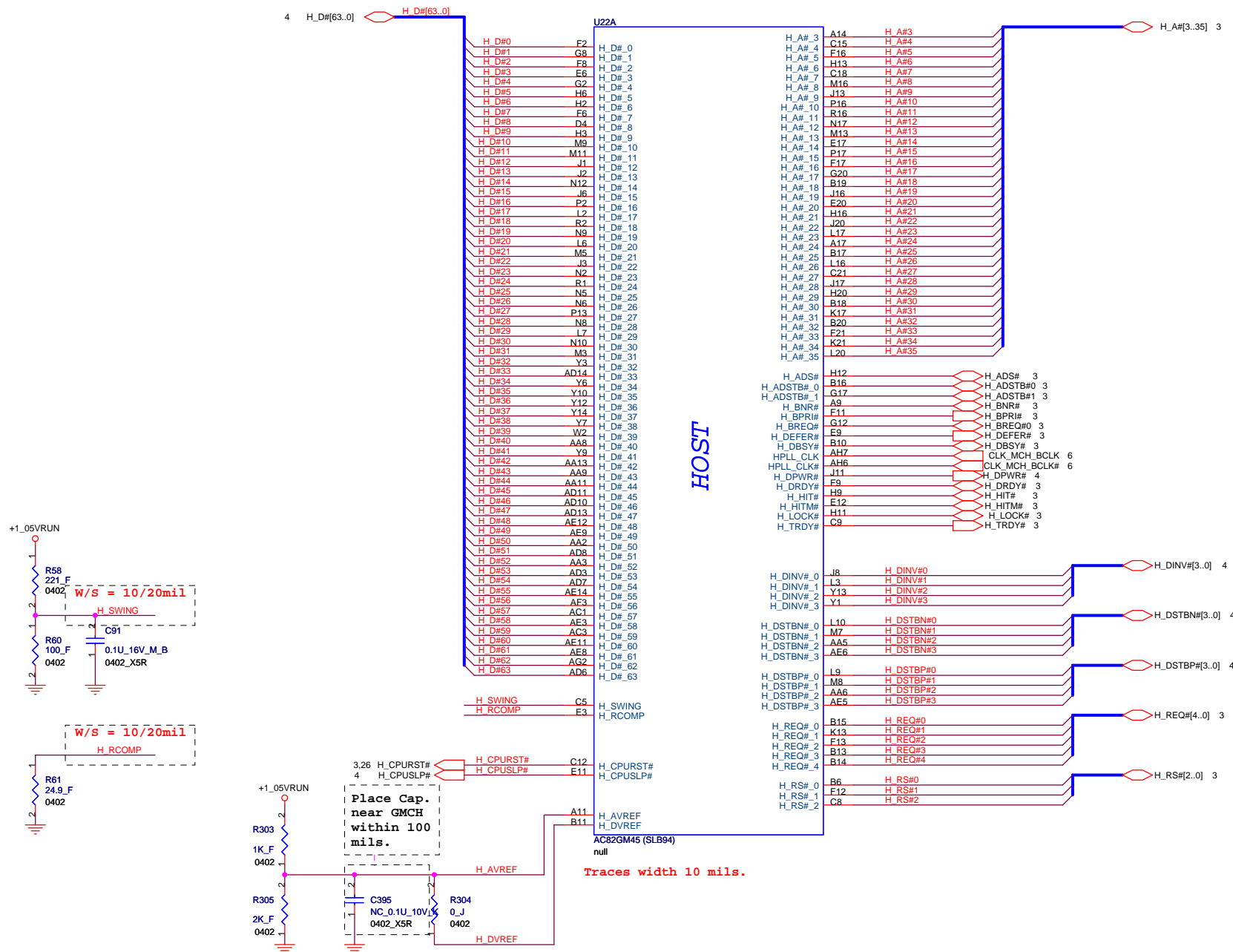
PCI2 / TME : (pin 11)
0 = Normal mode,
(v) 1 = Trusted mode (no OC)

PCI2 : (pin 11) => only for Silago

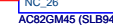
PCI4 / GCLK_SELE : (pin 13)
(v) 0 = DOT_96(pin20/21), SRC_1/LCD_100(pin24/25)
1 = SRC_0(pin20/21), 27M(pin24/25)

PCIF0 / ITP_EN : (pin 14)
(v) 0 = SRC_8
1 = CPU2_ITP

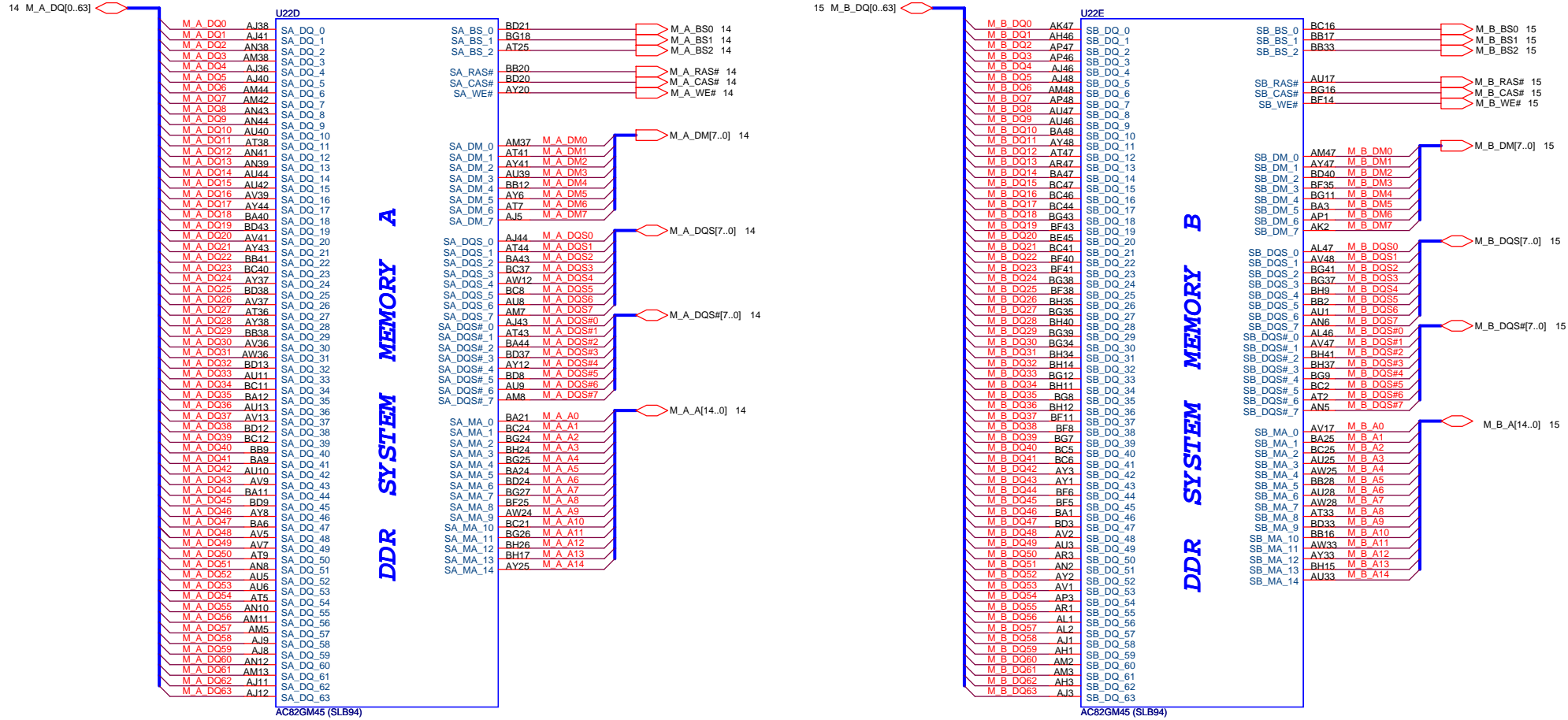
FSLC	FSLB	FSLA	CPU	SRC	PCI
0	0	0	266.66	100	33
0	0	1	133.33	100	33
0	1	0	200	100	33
0	1	1	166.66	100	33
1	0	0	333.33	100	33
1	0	1	100	100	33
1	1	0	400	100	33

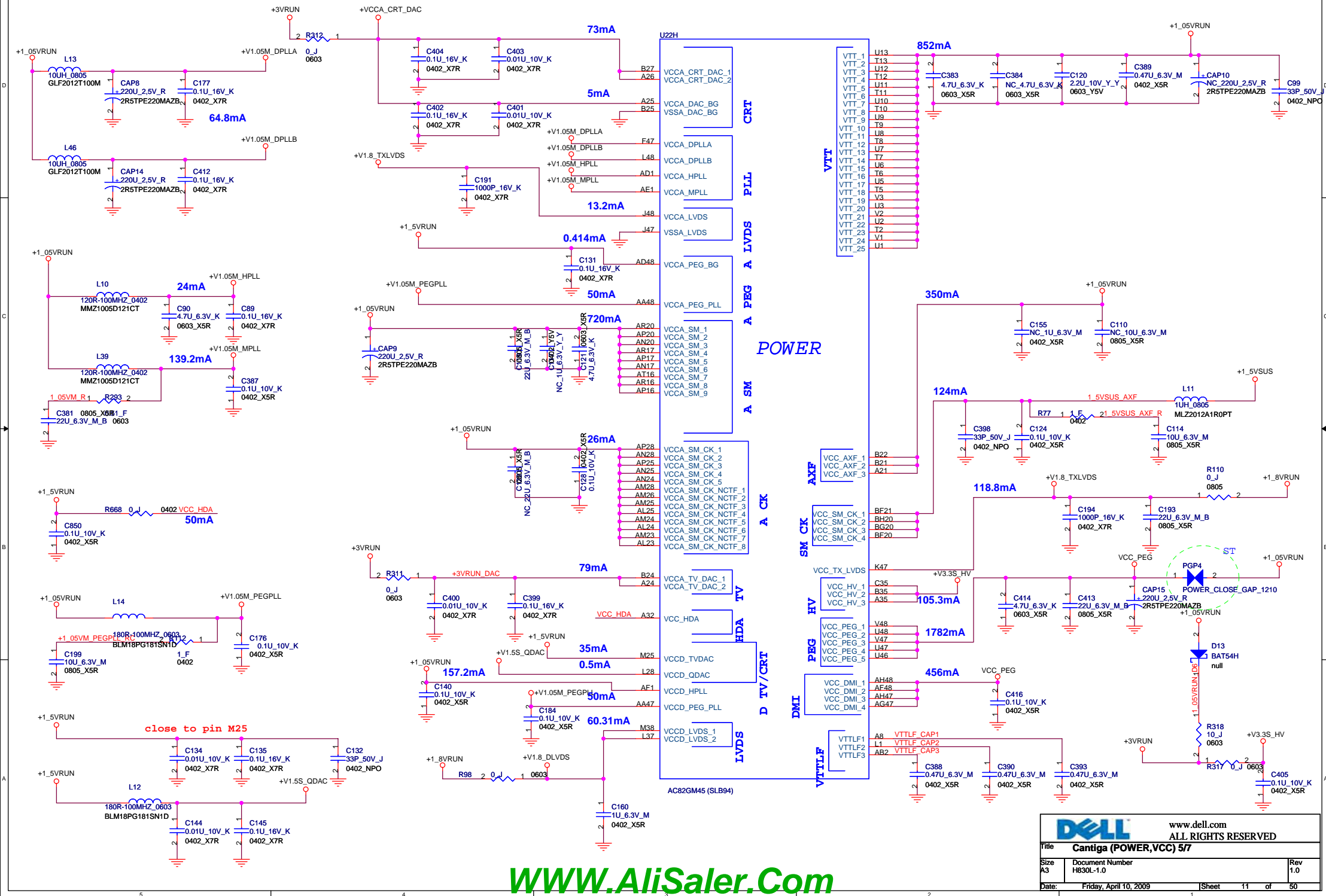


MCH_CFG_0-2	000 = FSB1066 ; 010 = FSB800 ;
FSB Frequency	011 = FSB667 ; Others = Reserved



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3.06A

U22F

VCC CORE

POWER

VCC NCTF

AC82GM45 (SLB94)

+1_5VSUS

4.14A

+1_05VRUN

ICT_TP

TP VCC AXG SENSE AH14
TP VSS AXG SENSE AH14

U22G

VCC SM

VCC GFX NCTF

VCC GFX

AC82GM45 (SLB94)

8.7A => GM45
9.6A => GM47

+1_05VRUN

VCC SM LF

VCC SM LF1
VCC SM LF2
VCC SM LF3
VCC SM LF4
VCC SM LF5
VCC SM LF6
VCC SM LF7

VCC SM LF

C113

0.1U 6.3V_K

0402_X5R

C108

0.1U 6.3V_K

0402_X5R

C88

0.22U 6.3V_K

0402_X5R

C127

0.22U 6.3V_X

0402_X5R

C168

0.47U 6.3V_M

0402_X5R

C158

1U 6.3V_M

0402_X5R

C183

1U 6.3V_M

0402_X5R



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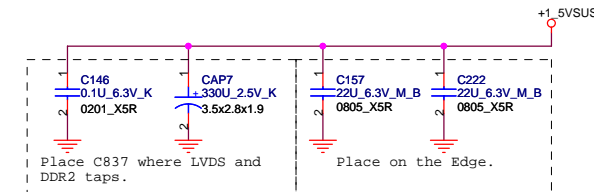
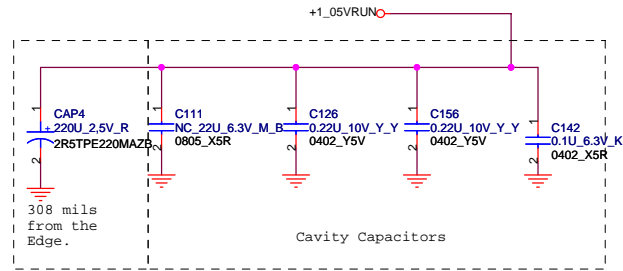
Title Cantiga (VCC CORE) 6/7

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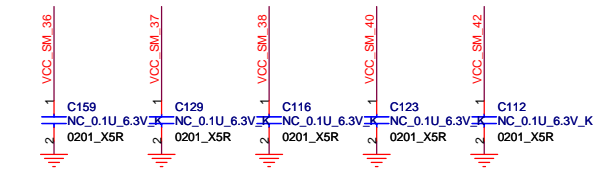
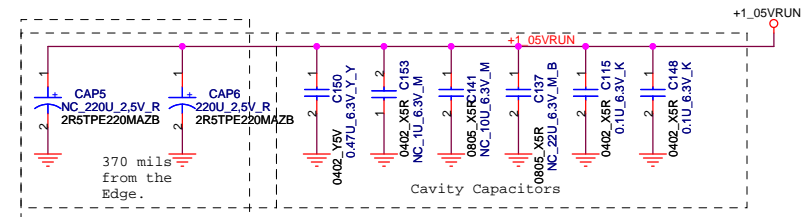
Rev 1.0

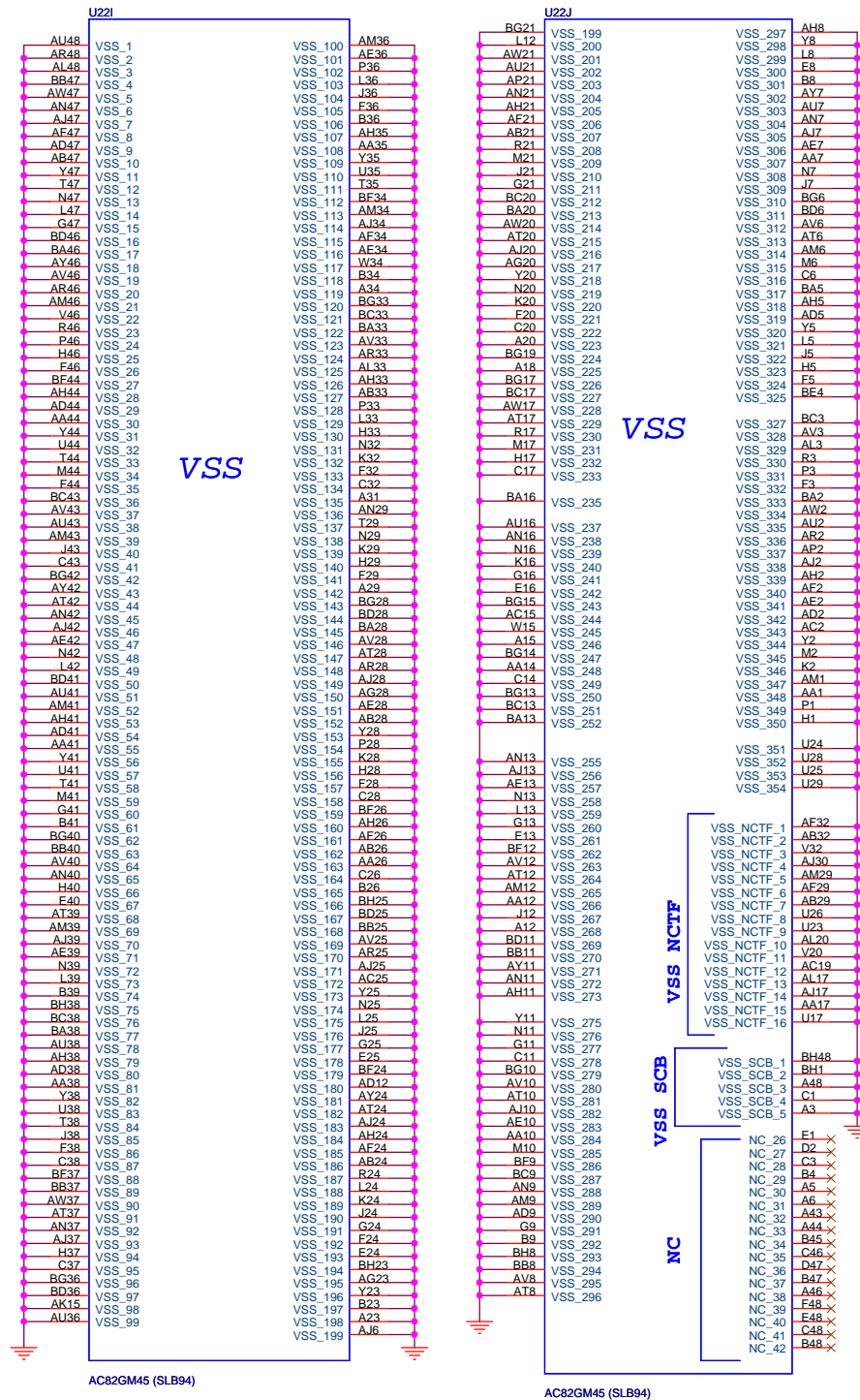
Date Friday, April 10, 2009

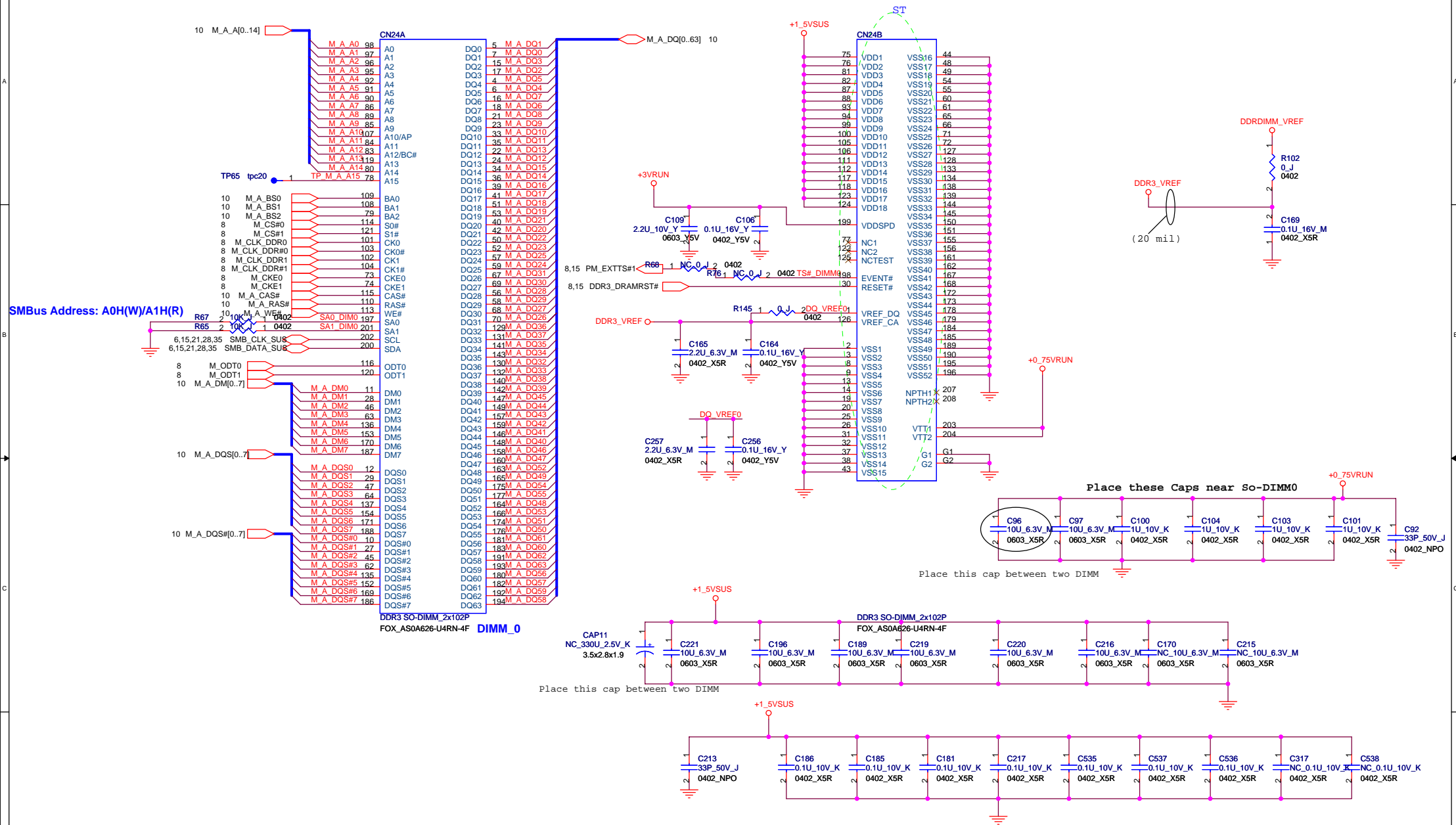
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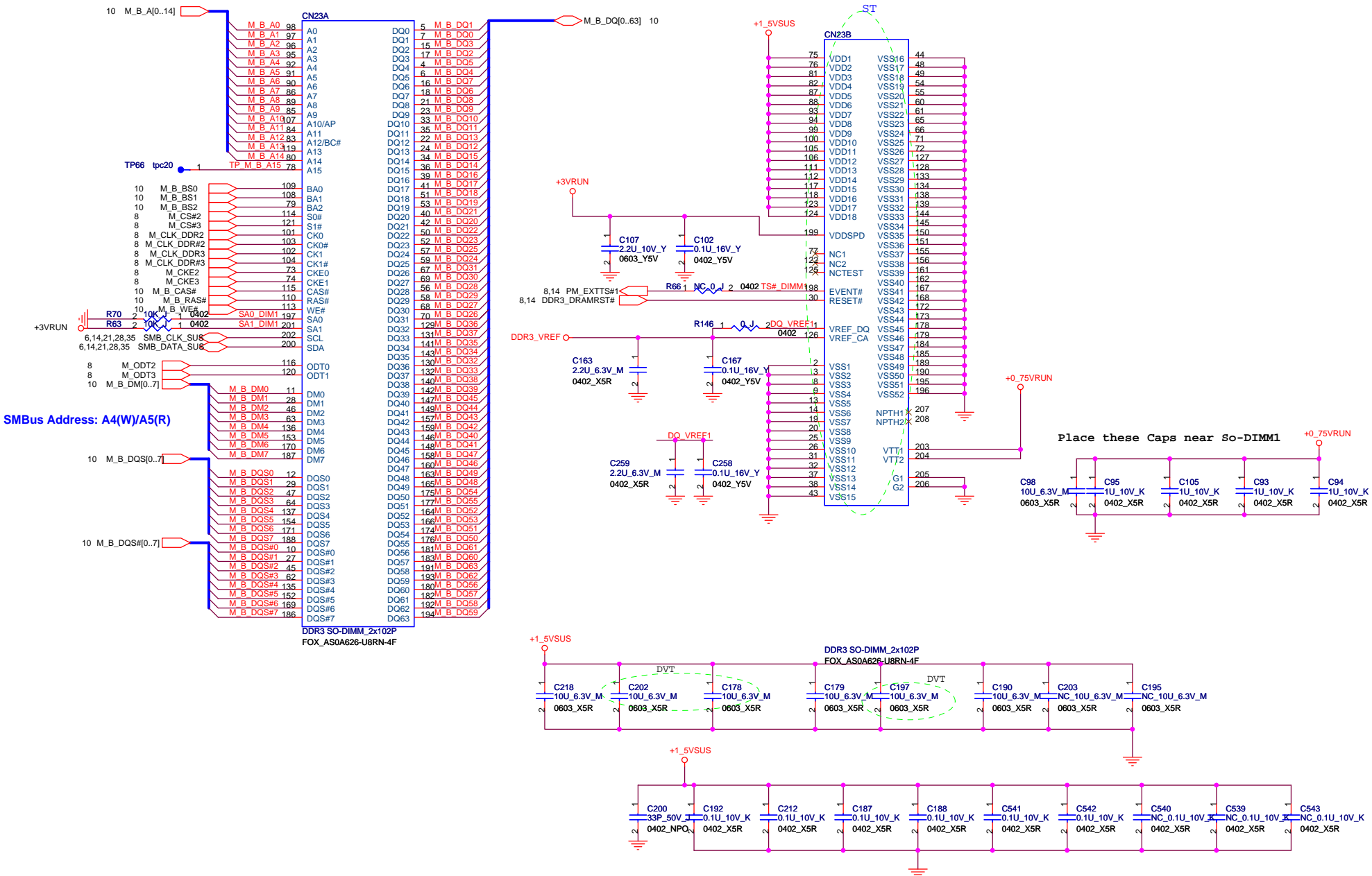


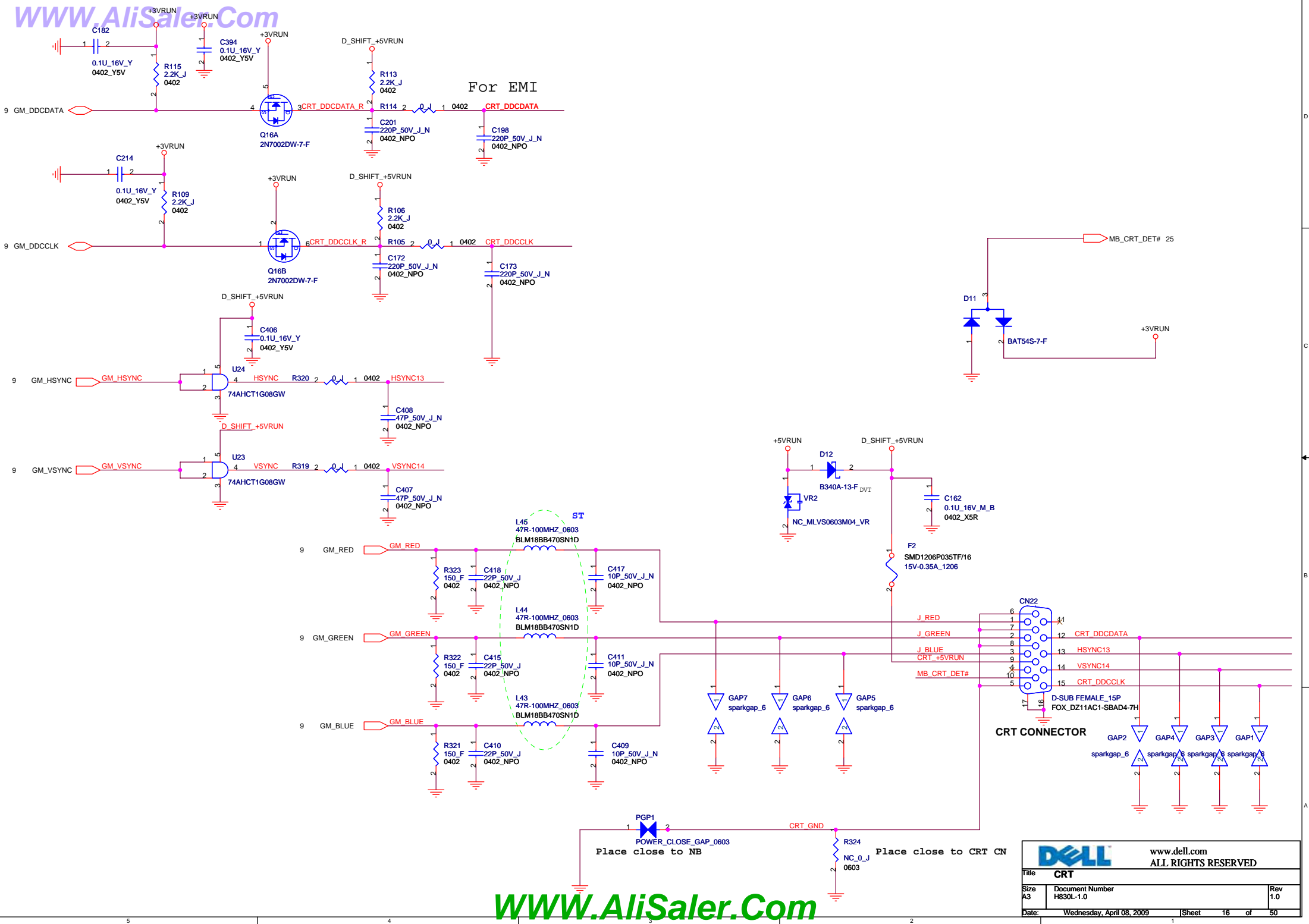
When stuff GM47,
2x330 μ F, 6 mOhm ESR (12 mOhm ESR each capacitor)

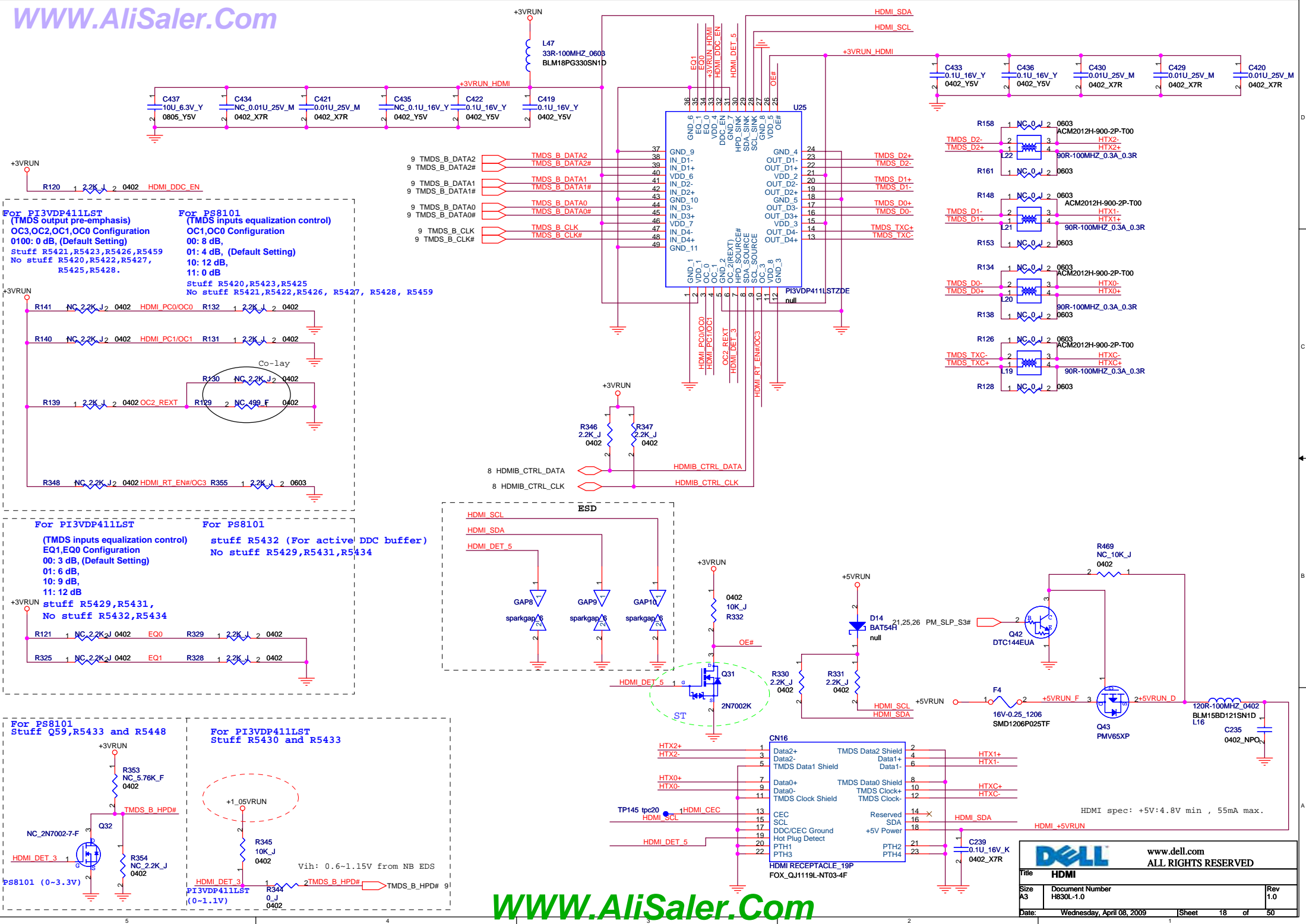


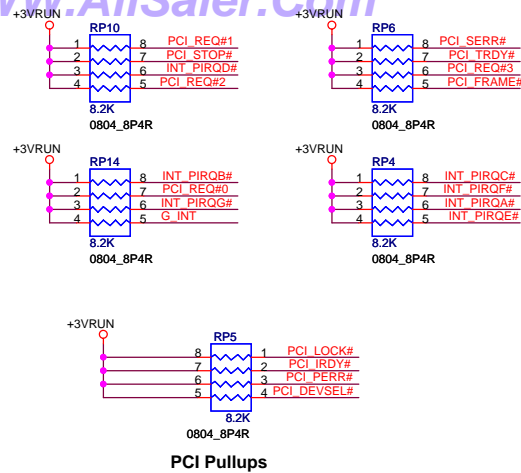




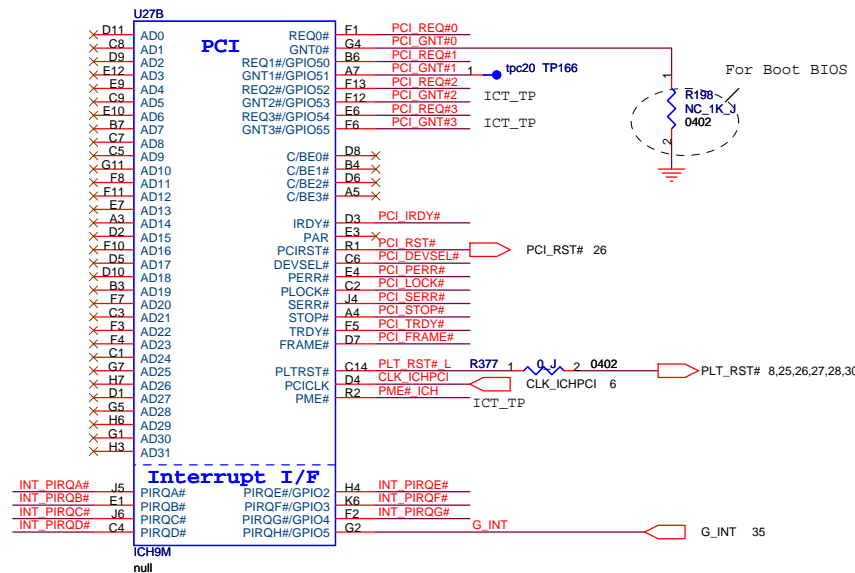








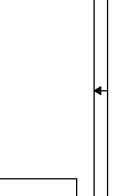
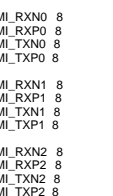
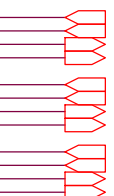
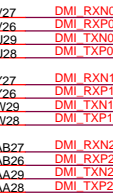
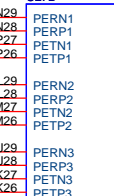
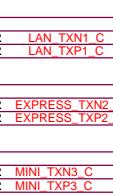
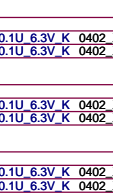
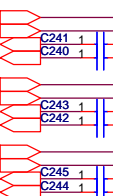
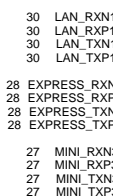
PCI Pullups



Strap for Boot-BIOS

	GNT0#	SPI_CS1#
LPC(Default)	Hi	Hi
PCI	Hi	LOW
SPI	LOW	Hi

LAN
Express Card
WLAN



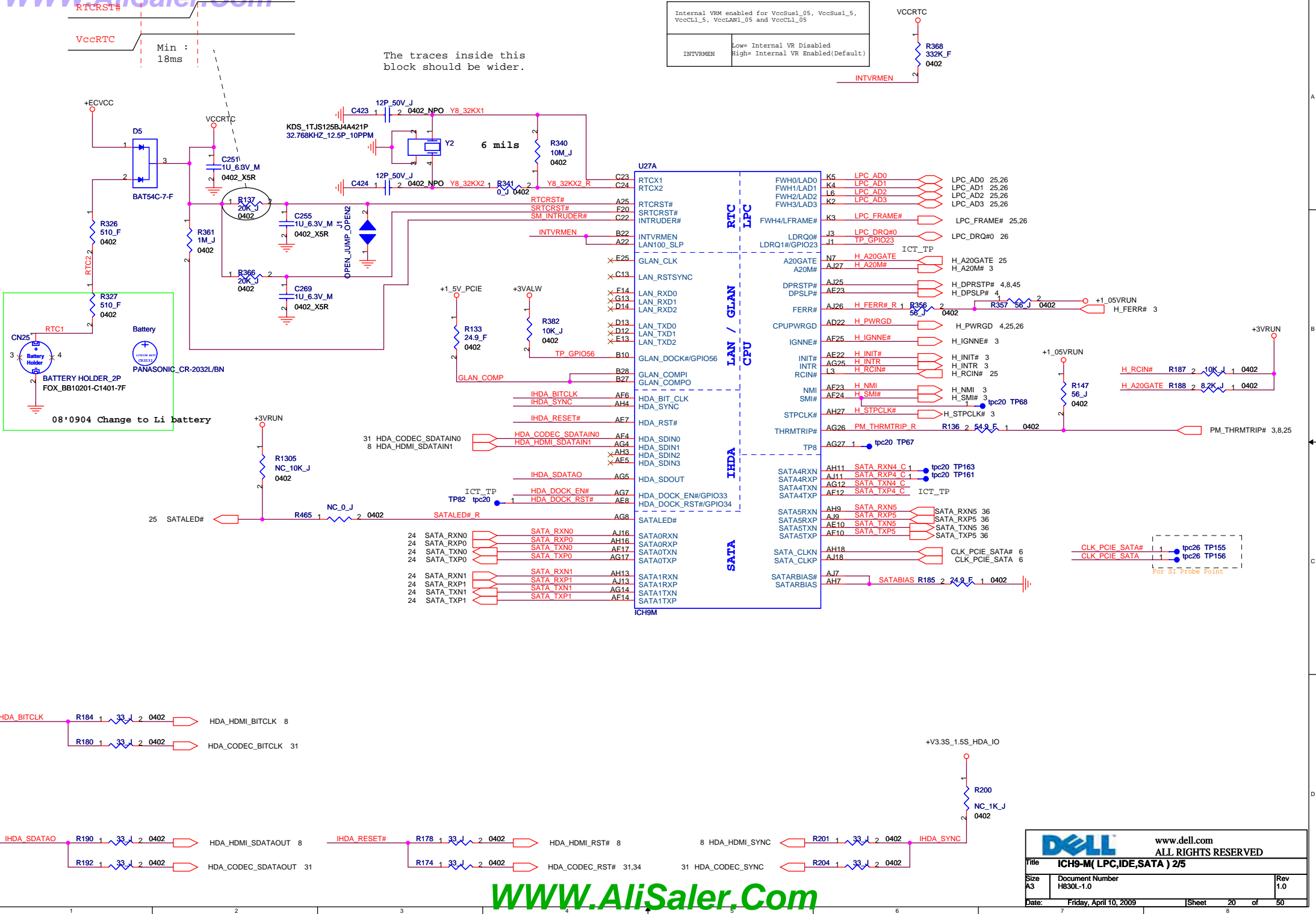
USB PORT	Function
PORT-0	Ext. Port
PORT-1	Ext. Port
PORT-2	
PORT-3	EXPRESS CARD
PORT-4	
PORT-5	Ext. Port
PORT-6	ST
PORT-7	Card reader
PORT-8	Bluetooth
PORT-9	
PORT-10	WLAN/WiMAX
PORT-11	Camera

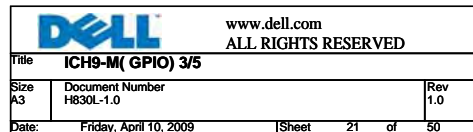
Place within 500 mils of ICH

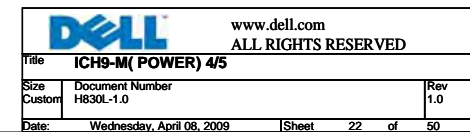


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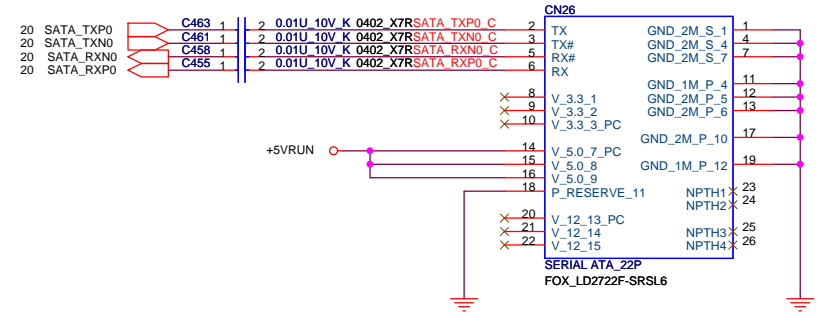
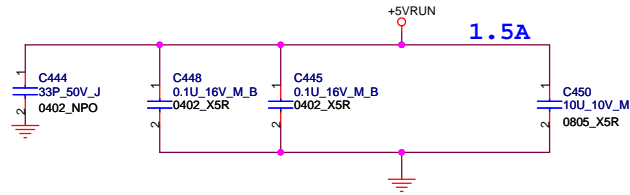
Title	ICH9-M (PCI/DMI/USB/PCIE) 1/5		
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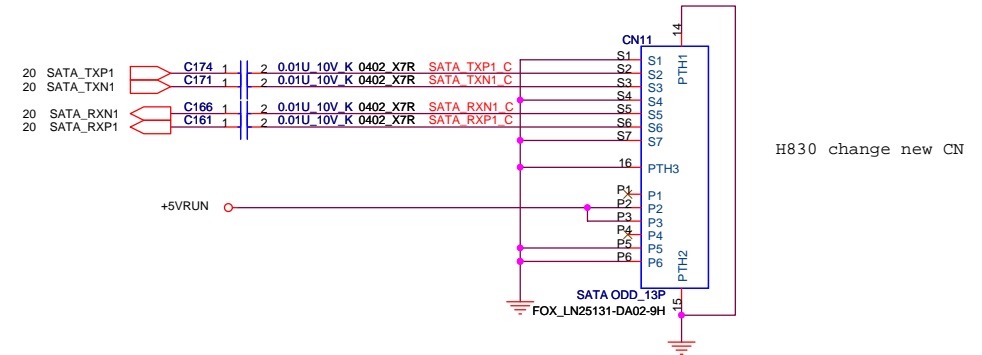
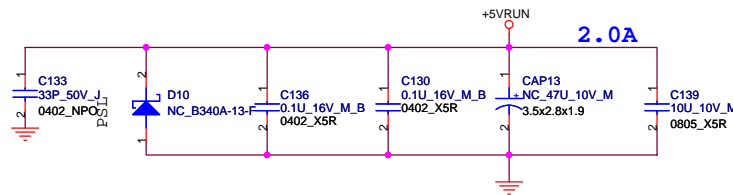




U27E		
AA26	VSS[001]	VSS[107]
AA27	VSS[002]	VSS[108]
AA3	VSS[003]	VSS[109]
AA6	VSS[004]	VSS[110]
AB1	VSS[005]	VSS[111]
AA23	VSS[006]	VSS[112]
AB28	VSS[007]	VSS[113]
AB29	VSS[008]	VSS[114]
AB4	VSS[009]	VSS[115]
AB5	VSS[010]	VSS[116]
AC17	VSS[011]	VSS[117]
AC26	VSS[012]	VSS[118]
AC27	VSS[013]	VSS[119]
AC3	VSS[014]	VSS[120]
AD1	VSS[015]	VSS[121]
AD10	VSS[016]	VSS[122]
AD12	VSS[017]	VSS[123]
AD13	VSS[018]	VSS[124]
AD14	VSS[019]	VSS[125]
AD17	VSS[020]	VSS[126]
AD18	VSS[021]	VSS[127]
AD21	VSS[022]	VSS[128]
AD28	VSS[023]	VSS[129]
AD29	VSS[024]	VSS[130]
AD4	VSS[025]	VSS[131]
AD5	VSS[026]	VSS[132]
AD6	VSS[027]	VSS[133]
AD7	VSS[028]	VSS[134]
AD9	VSS[029]	VSS[135]
AE12	VSS[030]	VSS[136]
AE13	VSS[031]	VSS[137]
AE14	VSS[032]	VSS[138]
AE16	VSS[033]	VSS[139]
AE17	VSS[034]	VSS[140]
AE2	VSS[035]	VSS[141]
AE20	VSS[036]	VSS[142]
AE24	VSS[037]	VSS[143]
AE3	VSS[038]	VSS[144]
AE4	VSS[039]	VSS[145]
AE6	VSS[040]	VSS[146]
AE9	VSS[041]	VSS[147]
AE13	VSS[042]	VSS[148]
AE16	VSS[043]	VSS[149]
AE18	VSS[044]	VSS[150]
AE22	VSS[045]	VSS[151]
AH26	VSS[046]	VSS[152]
AE26	VSS[047]	VSS[153]
AE27	VSS[048]	VSS[154]
AF5	VSS[049]	VSS[155]
AF7	VSS[050]	VSS[156]
AF9	VSS[051]	VSS[157]
AG13	VSS[052]	VSS[158]
AG18	VSS[053]	VSS[159]
AG18	VSS[054]	VSS[160]
AG20	VSS[055]	VSS[161]
AG23	VSS[056]	VSS[162]
AG3	VSS[057]	VSS[163]
AG6	VSS[058]	VSS[164]
AG9	VSS[059]	VSS[165]
AH12	VSS[060]	VSS[166]
AH14	VSS[061]	VSS[167]
AH17	VSS[062]	VSS[168]
AH19	VSS[063]	VSS[169]
AH2	VSS[064]	VSS[170]
AH22	VSS[065]	VSS[171]
AH25	VSS[066]	VSS[172]
AH28	VSS[067]	VSS[173]
AH5	VSS[068]	VSS[174]
AH8	VSS[069]	VSS[175]
AJ12	VSS[070]	VSS[176]
AJ14	VSS[071]	VSS[177]
AJ17	VSS[072]	VSS[178]
AJ8	VSS[073]	VSS[179]
B11	VSS[074]	VSS[180]
B14	VSS[075]	VSS[181]
B17	VSS[076]	VSS[182]
B2	VSS[077]	VSS[183]
B20	VSS[078]	VSS[184]
B23	VSS[079]	VSS[185]
B5	VSS[080]	VSS[186]
B8	VSS[081]	VSS[187]
C26	VSS[082]	VSS[188]
C27	VSS[083]	VSS[189]
E11	VSS[084]	VSS[190]
E14	VSS[085]	VSS[191]
E18	VSS[086]	VSS[192]
E2	VSS[087]	VSS[193]
E21	VSS[088]	VSS[194]
E24	VSS[089]	VSS[195]
E5	VSS[090]	VSS[196]
F8	VSS[091]	VSS[197]
F18	VSS[092]	VSS[198]
F28	VSS[093]	
F29	VSS[094]	VSS_NCTF[01]
G12	VSS[095]	VSS_NCTF[02]
G14	VSS[096]	VSS_NCTF[03]
G18	VSS[097]	VSS_NCTF[04]
G21	VSS[098]	VSS_NCTF[05]
G24	VSS[099]	VSS_NCTF[06]
G26	VSS[100]	VSS_NCTF[07]
G27	VSS[101]	VSS_NCTF[08]
G8	VSS[102]	VSS_NCTF[09]
H2	VSS[103]	VSS_NCTF[10]
H23	VSS[104]	VSS_NCTF[11]
H28	VSS[105]	VSS_NCTF[12]
H29	VSS[106]	

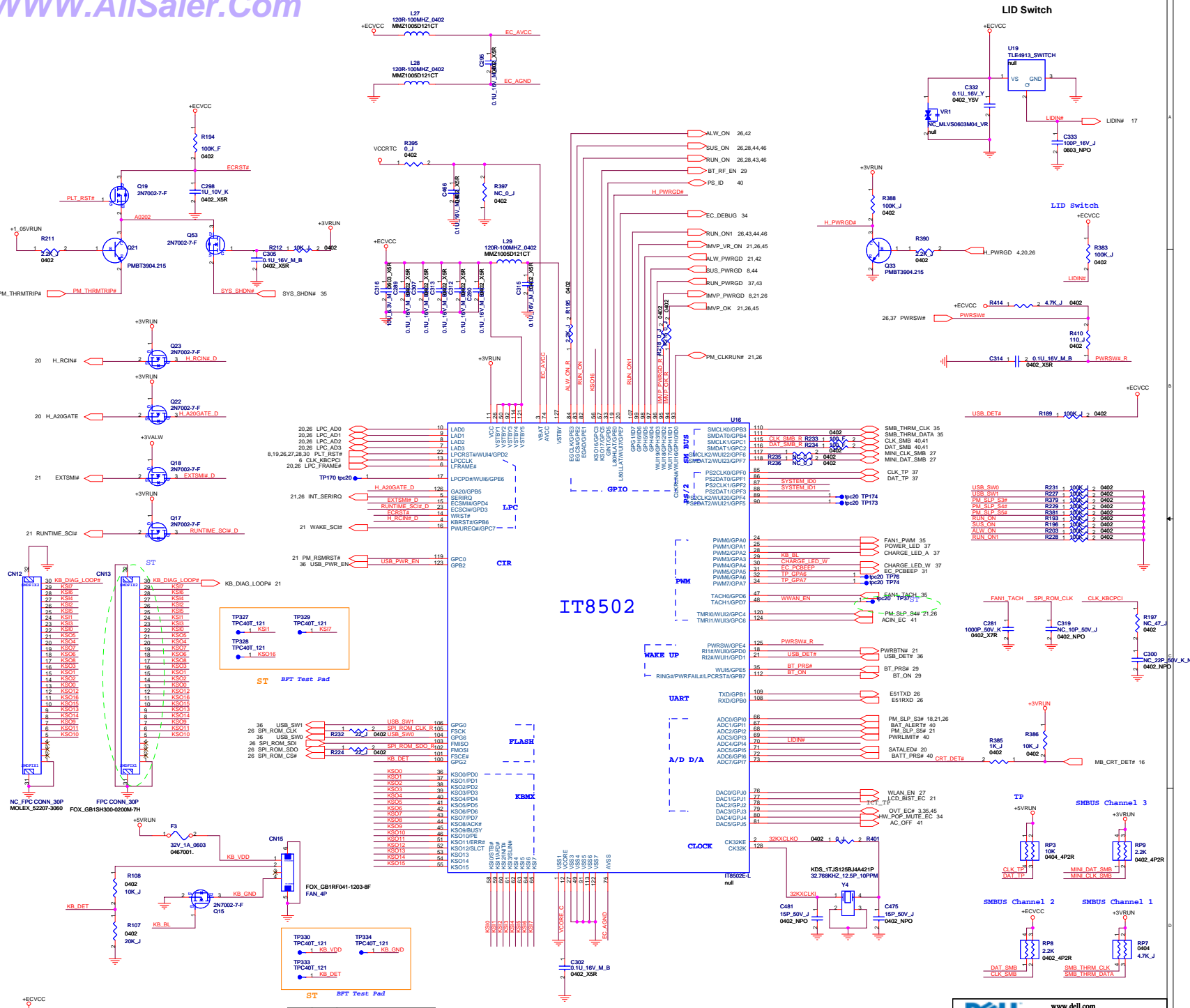


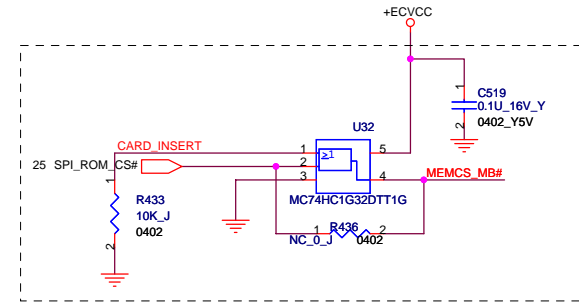
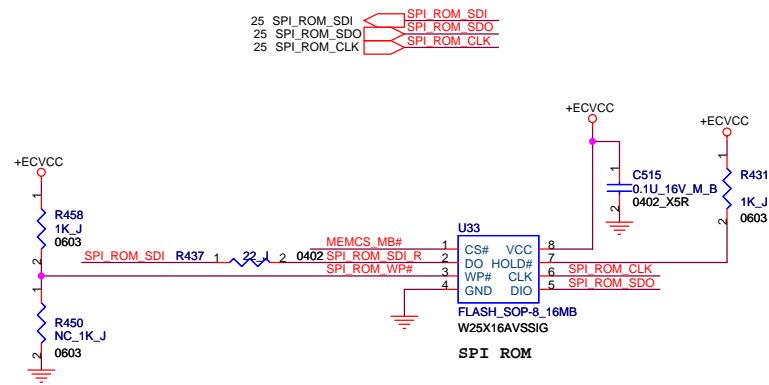
SATA ODD CONN



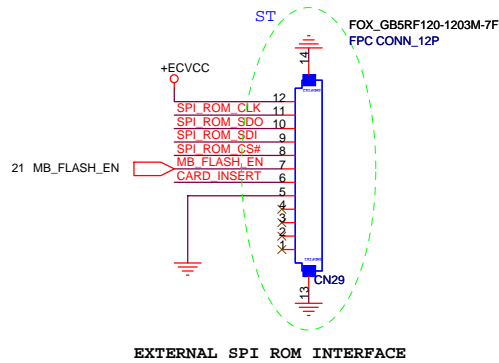
ODD CON ADAPTER

Add CN68 need 2N-0013009-FKG0 in BOM

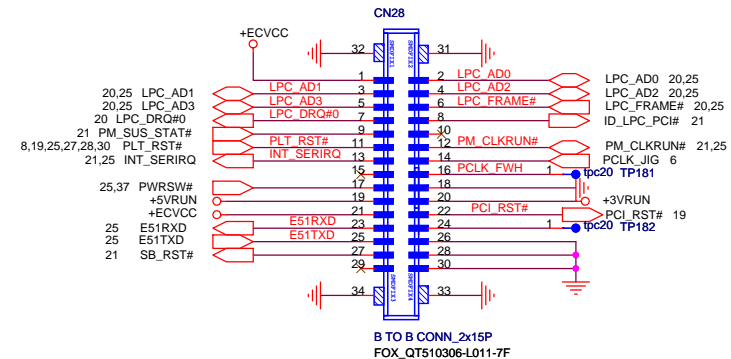




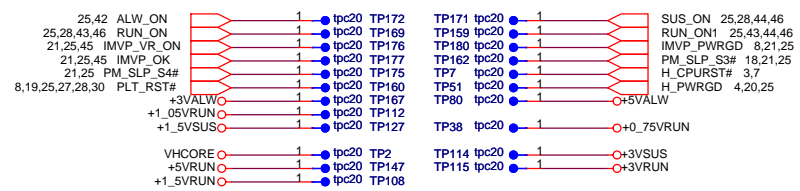
When MP, change U11 no stuff, R233 stuff



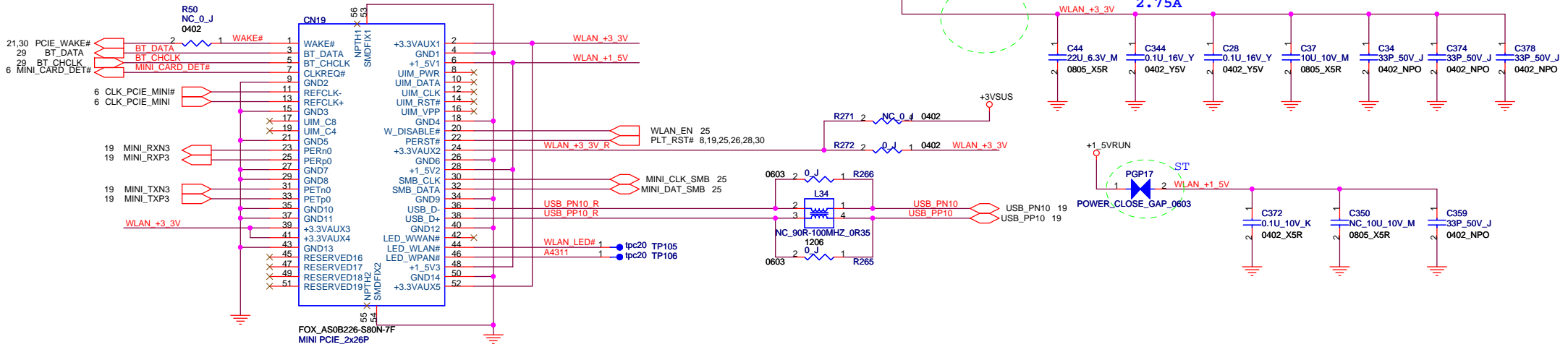
EXTERNAL SPI ROM INTERFACE



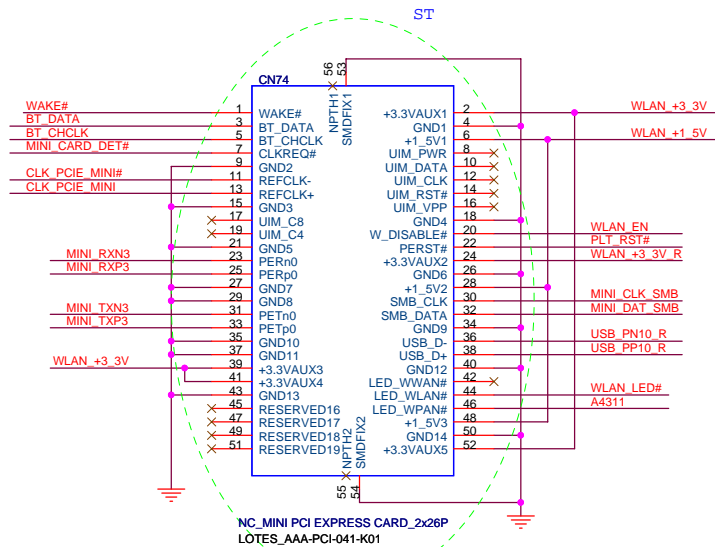
JIG-120




+1.5V=>0.5A Peak/0.375A Normal
+3.3VAux=>2.75A Peak/1.1A Normal

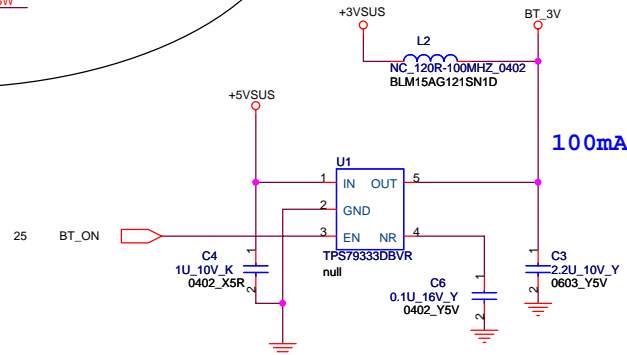
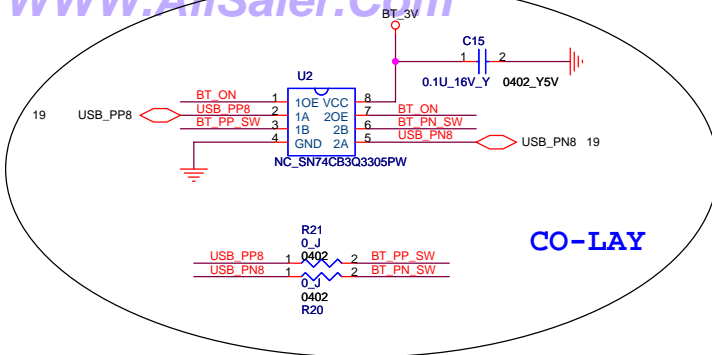


Half Mini Card for WLAN or WiMAX

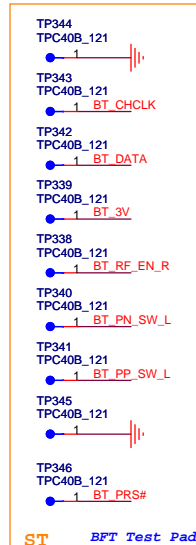
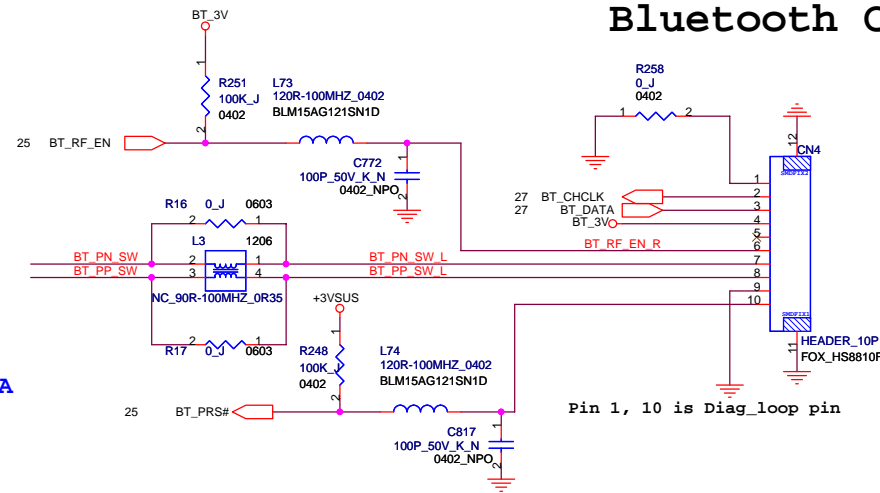


Colay: Half Mini Card CN second source

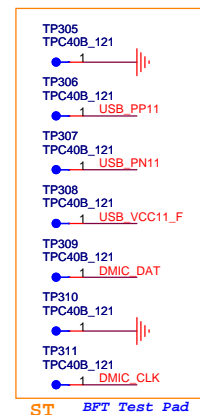
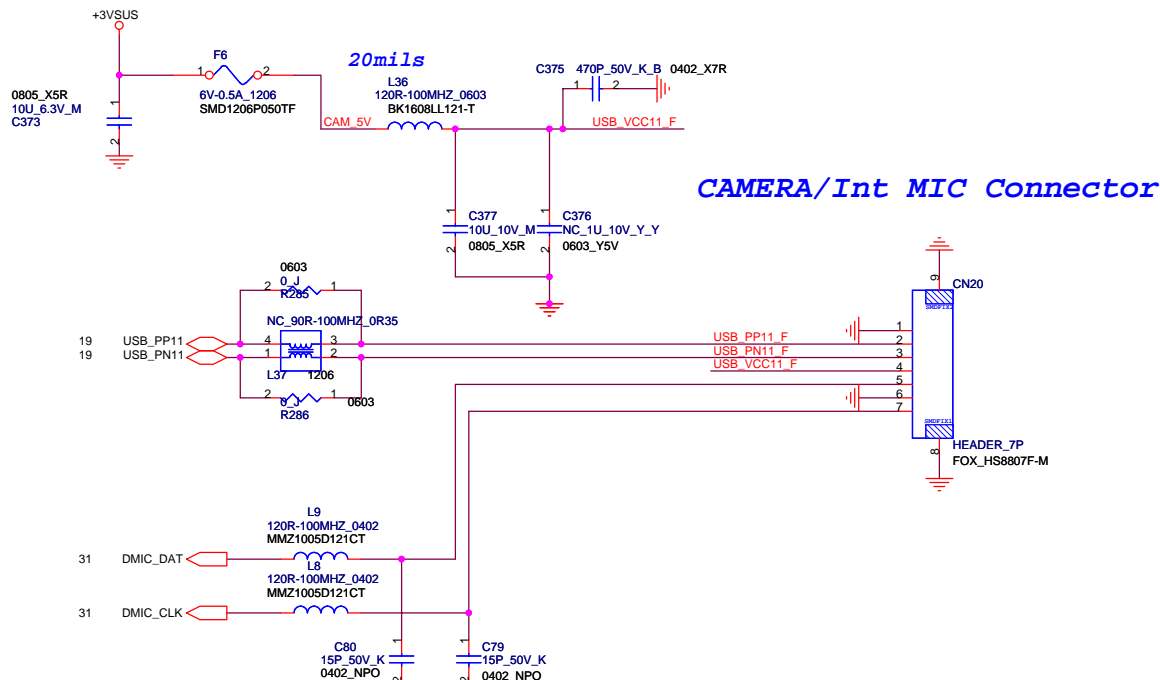
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Title			WLAN/WiMAX Mini-PCIe Card			
Size			Document Number			
A3			H630L-1.0			
Date:			Friday, April 10, 2009			
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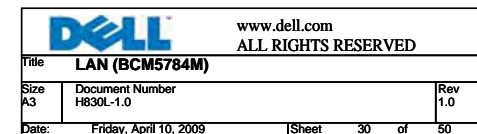
Bluetooth CONN.

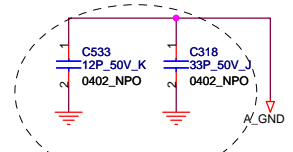
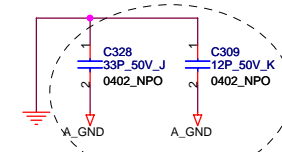
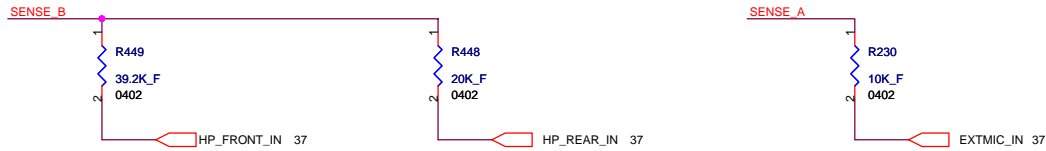
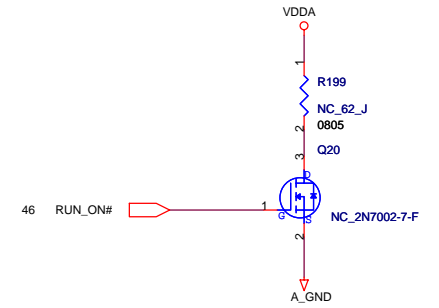
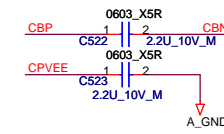
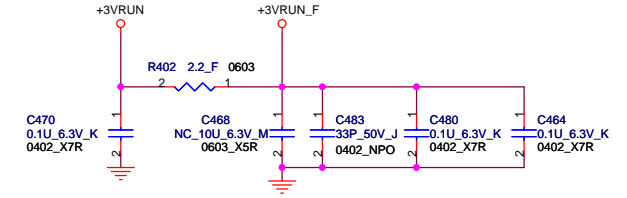
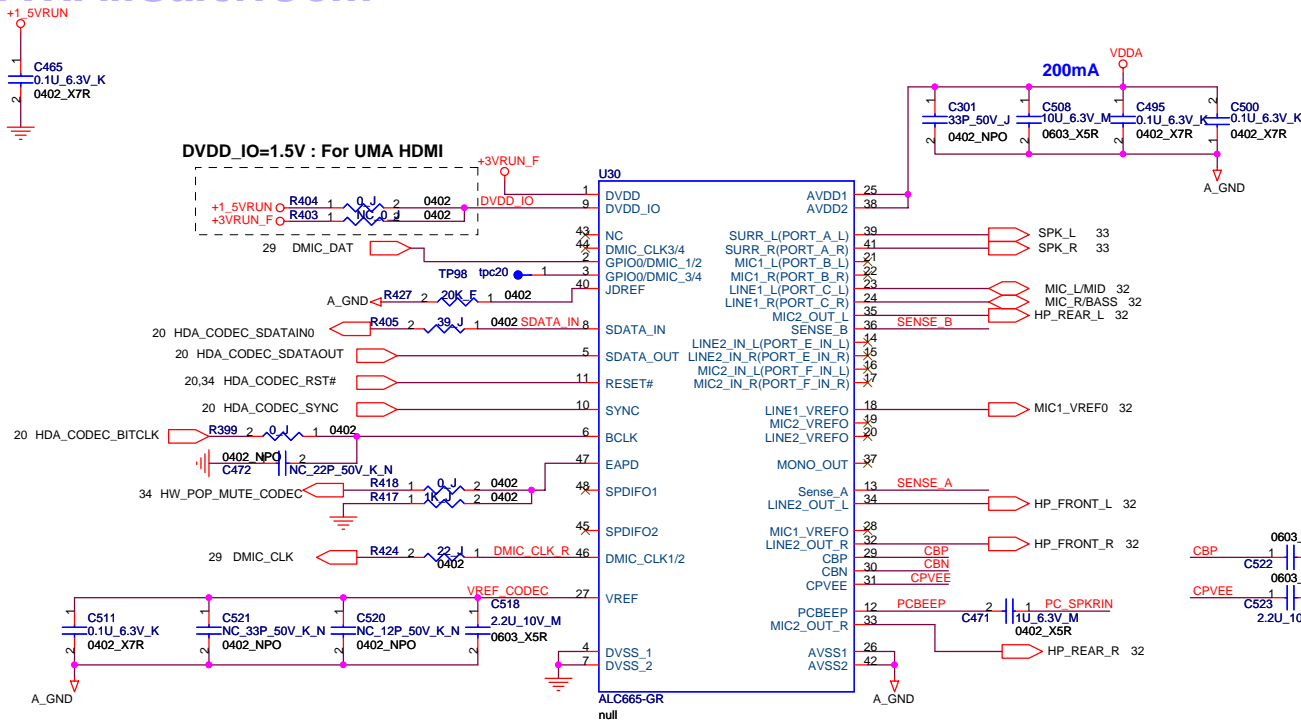


Bluetooth



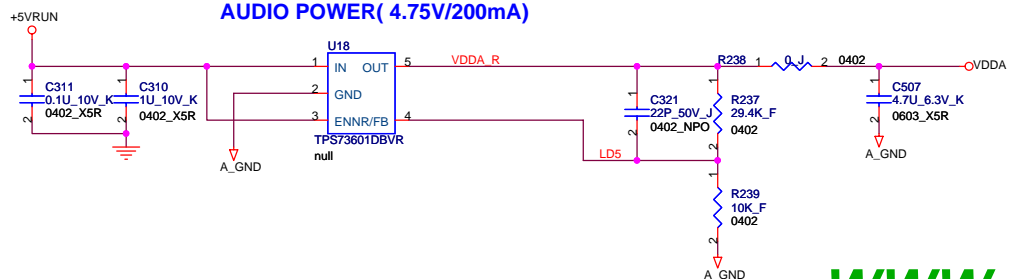
Camera & Digi MIC



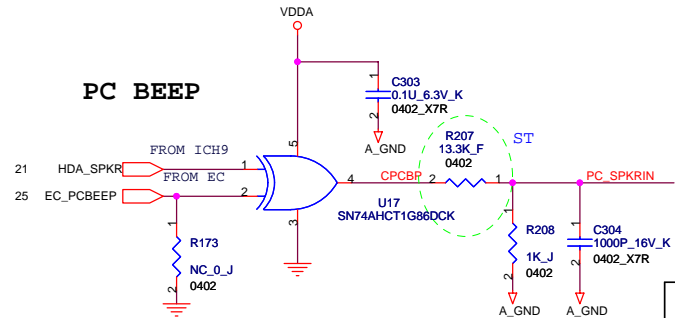


Place these two capacitor together. Place these two capacitor together.

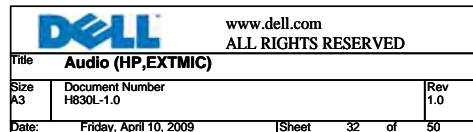
AUDIO POWER (4.75V/200mA)

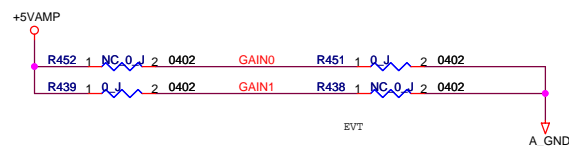
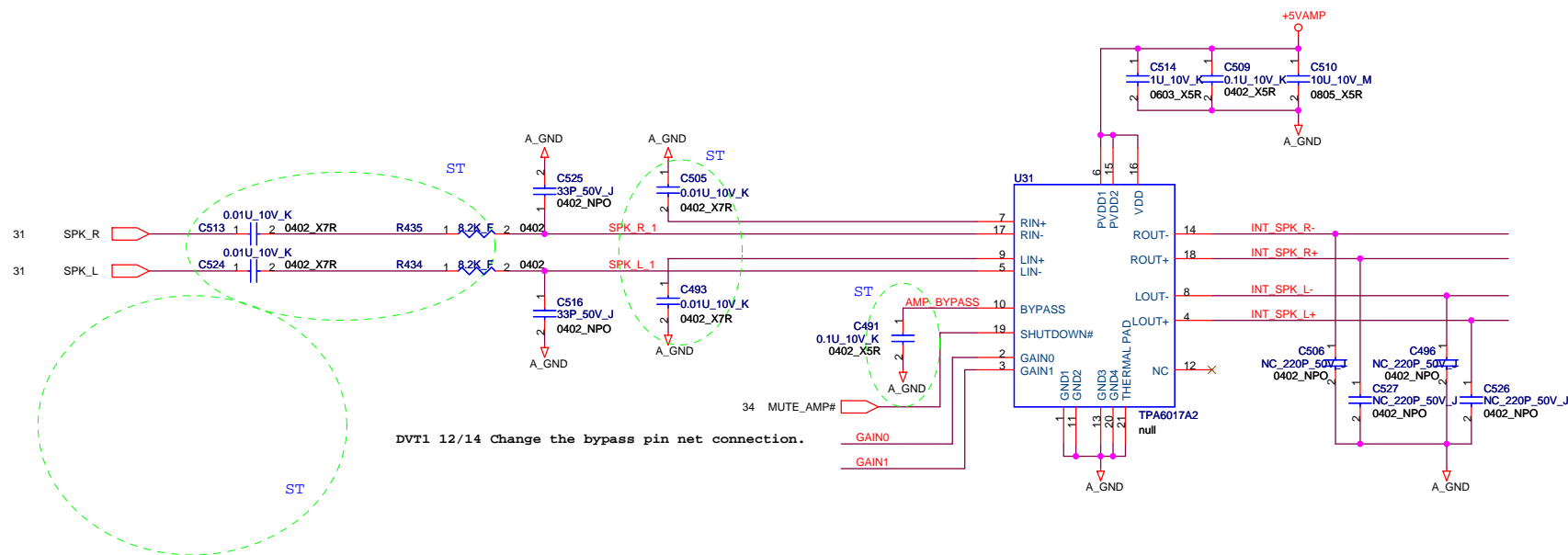
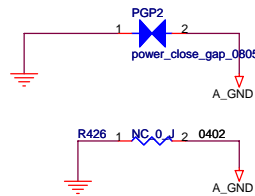
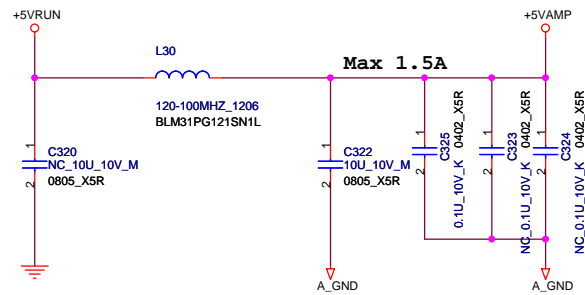


PC BEEP



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Title	Audio (CODEC & POWER)	
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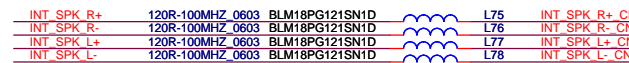




SPEAKER AMP

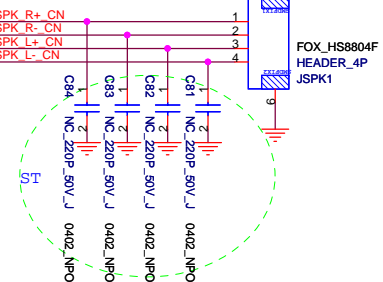
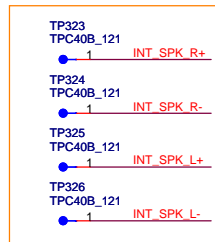
	GAIN0	GAIN1
6 dB	0	0
10 dB	0	1
15.6 dB	1	0
21.6 dB	1	1

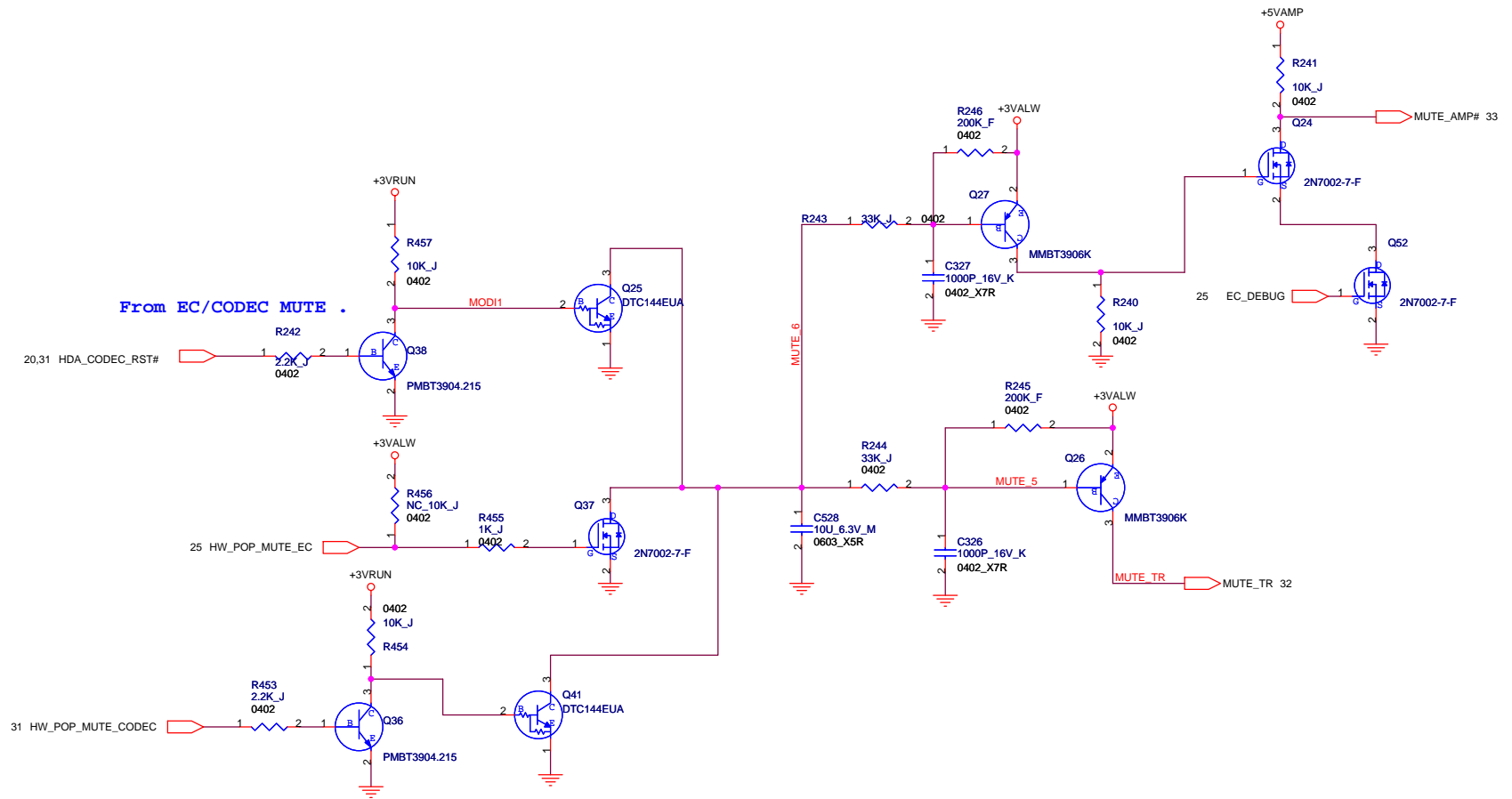
dB=20logGain
If set 10dB , gain is 3.162.
 $P_o = \{(1.2V_{rms} * 3.162)^2\} / 4 = 3.599 W$

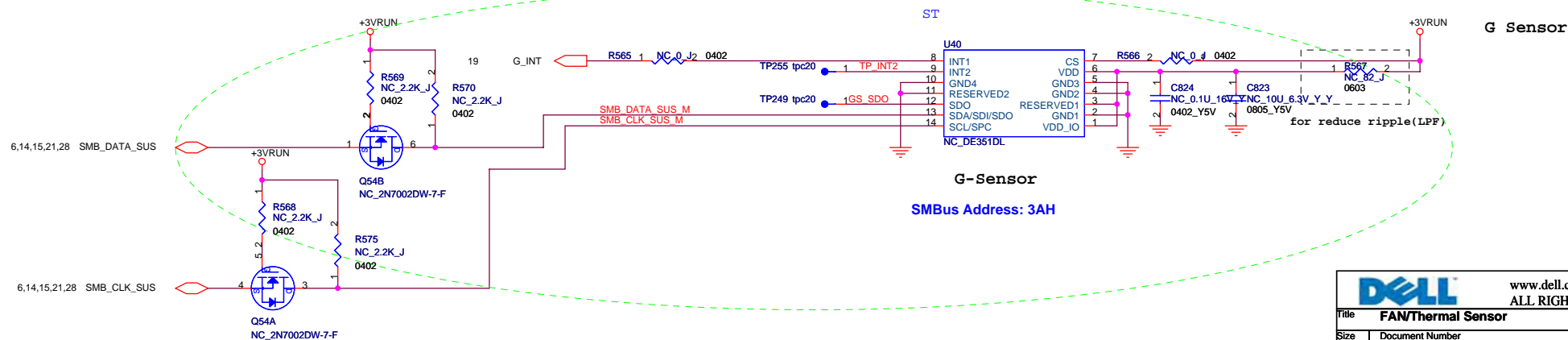
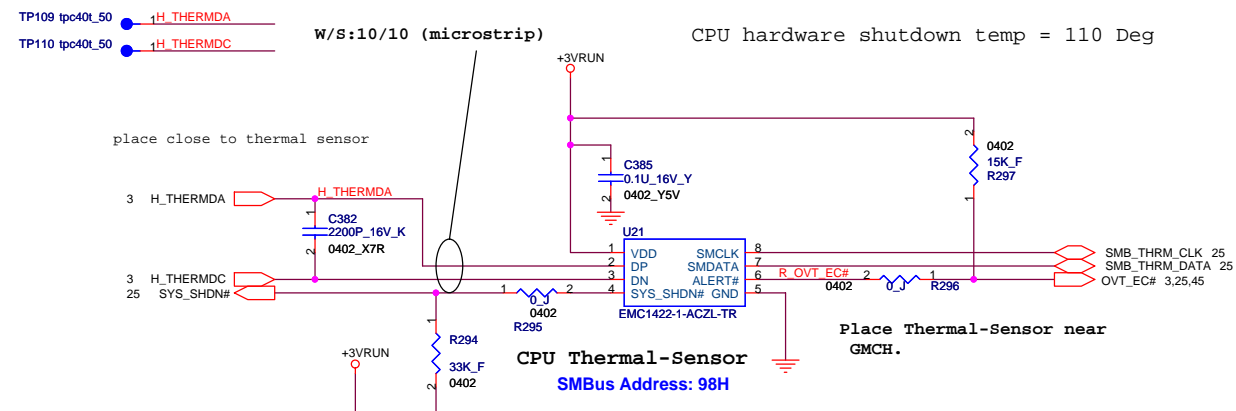
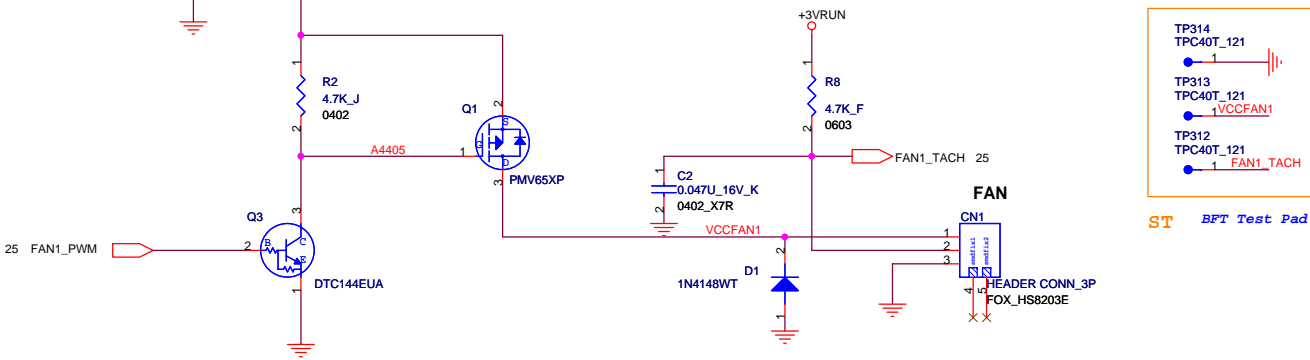


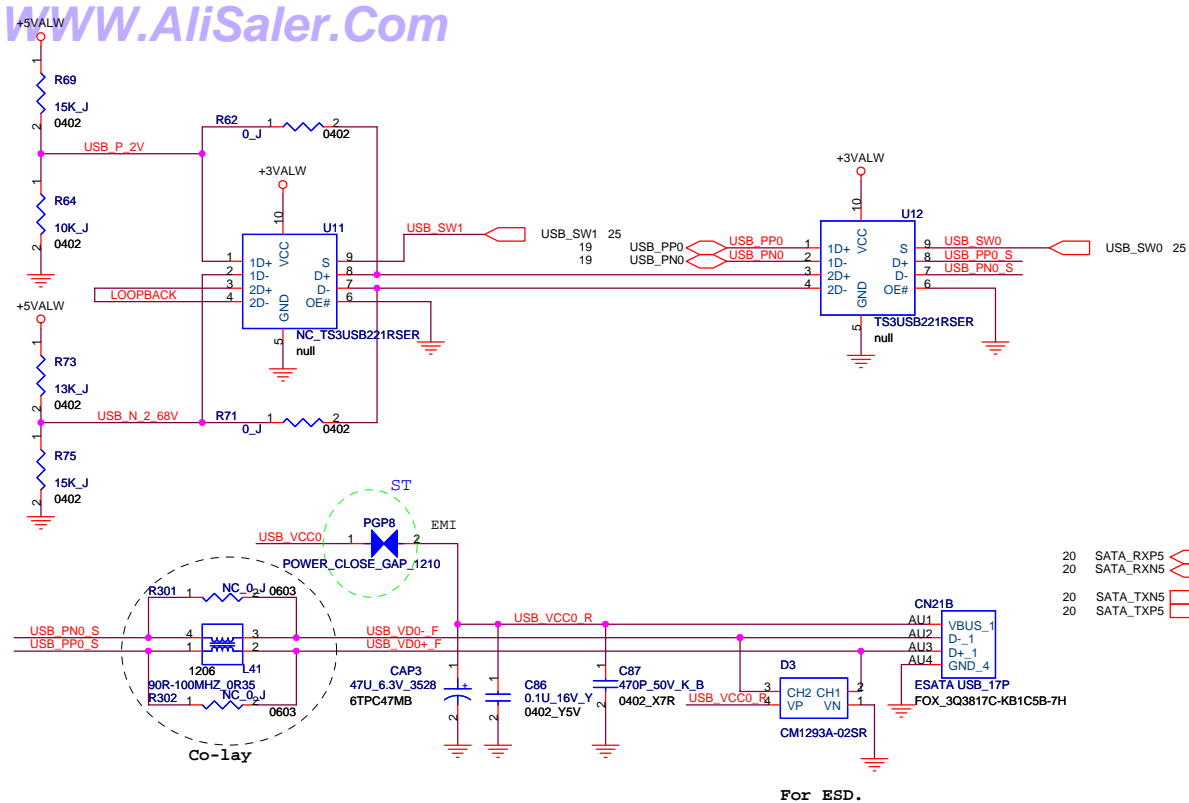
INTERNAL SPEAKER

ST BFT Test Pad

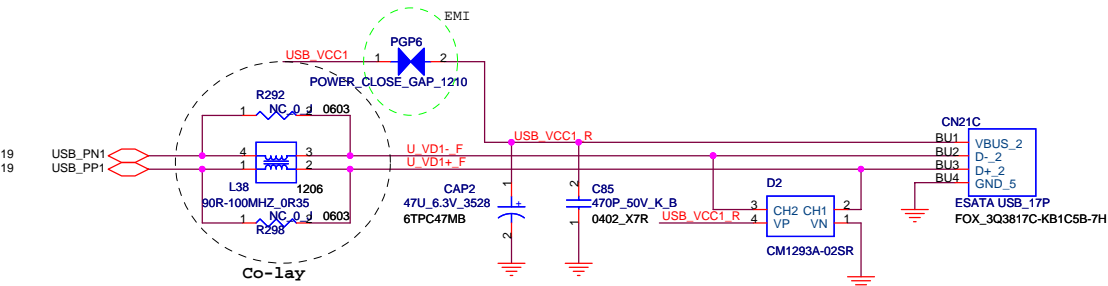






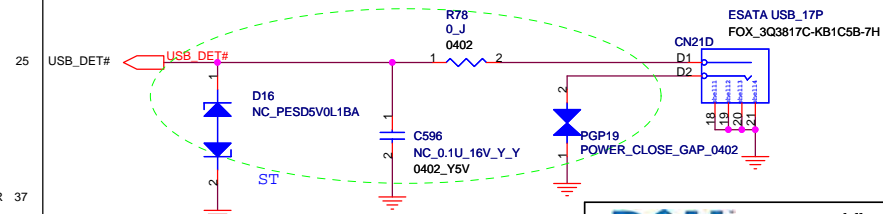
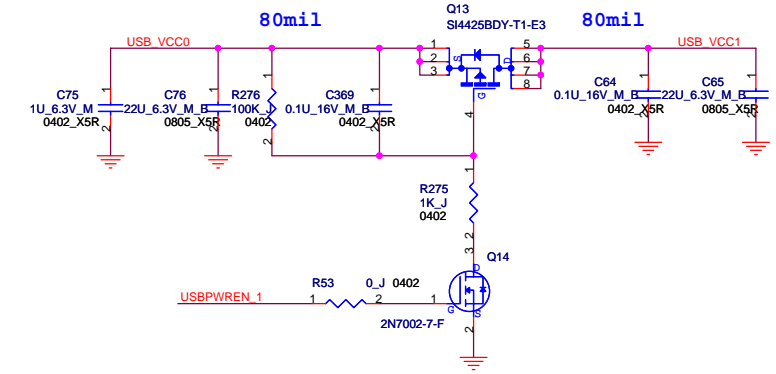
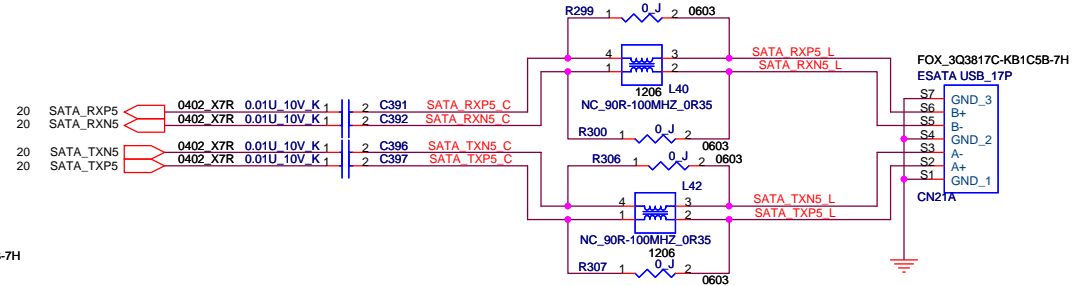
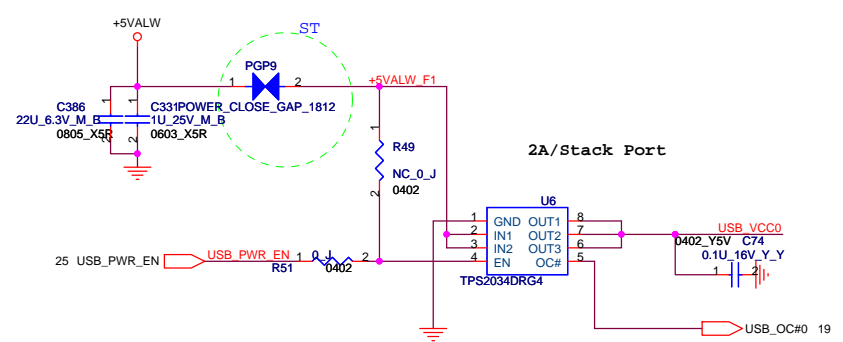
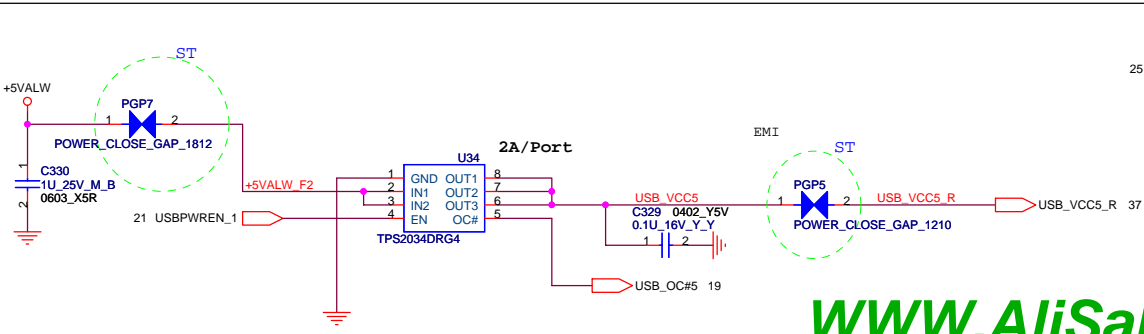


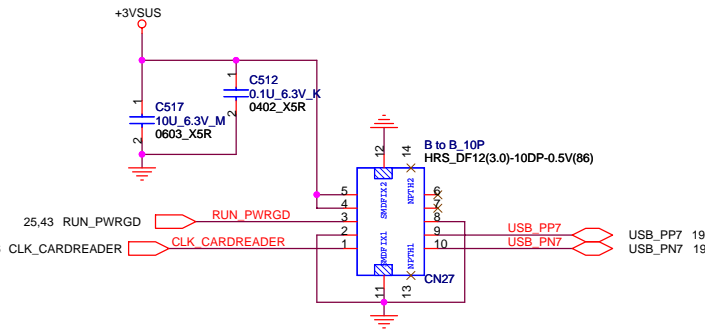
For ESD.



For ESD.

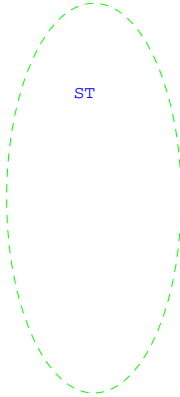
USB + e-SATA on MB



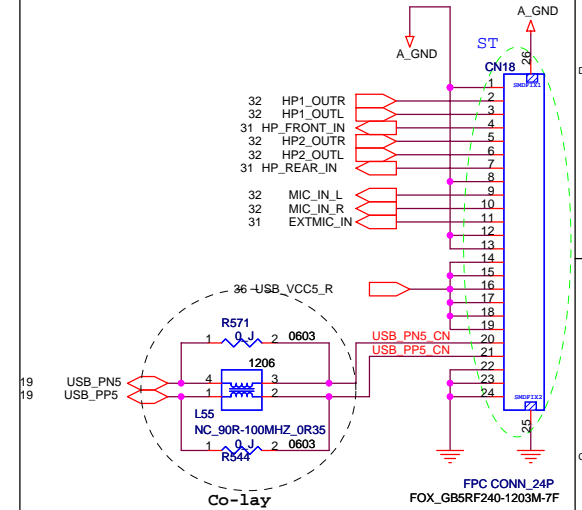


Cardreader Board

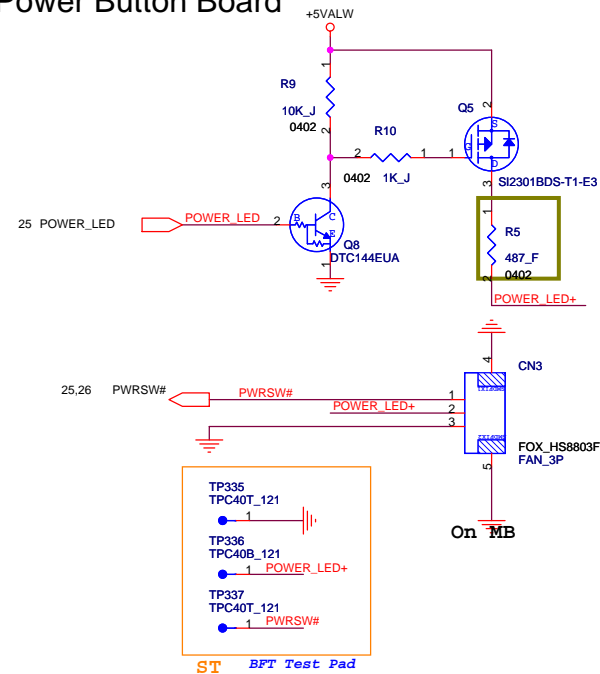
WWAN Board



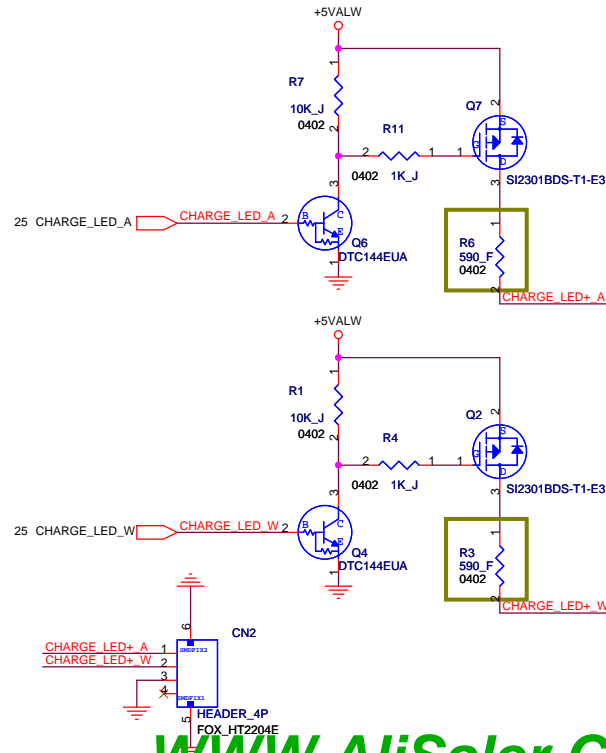
Audio_USB Board On MB



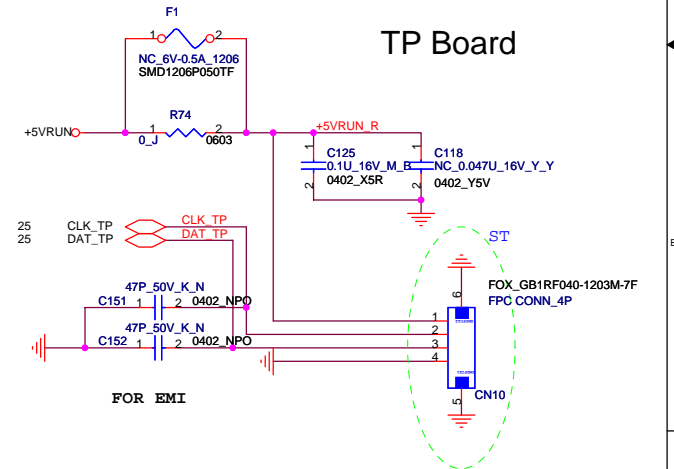
Power Button Board




LED Board



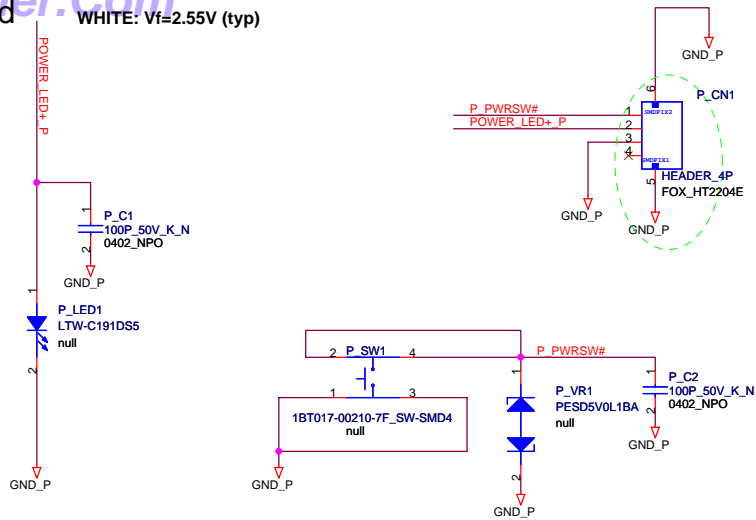
TP Board



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Title DB board connector (MB)			
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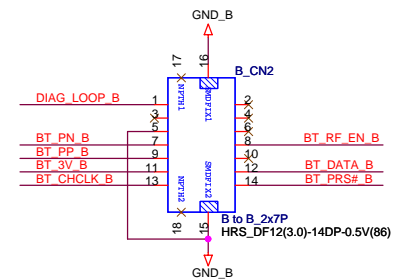
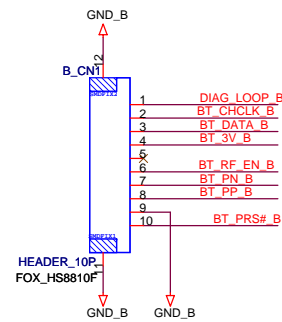
Power Button Board

WHITE: Vf=2.55V (typ)

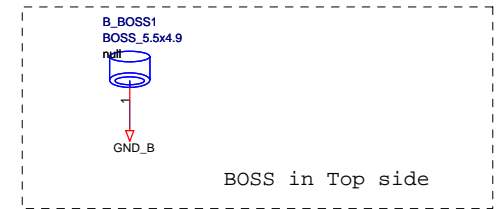


POWER BUTTON

Bluetooth Board



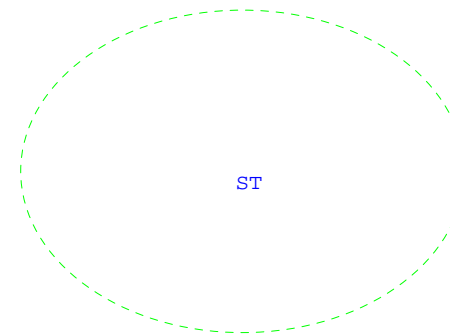
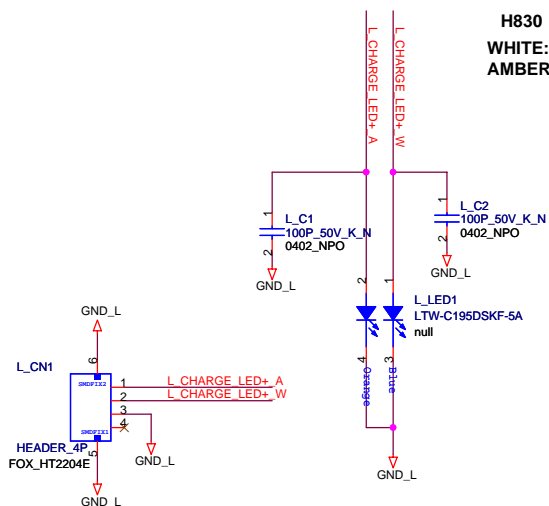
Bluetooth CONN.

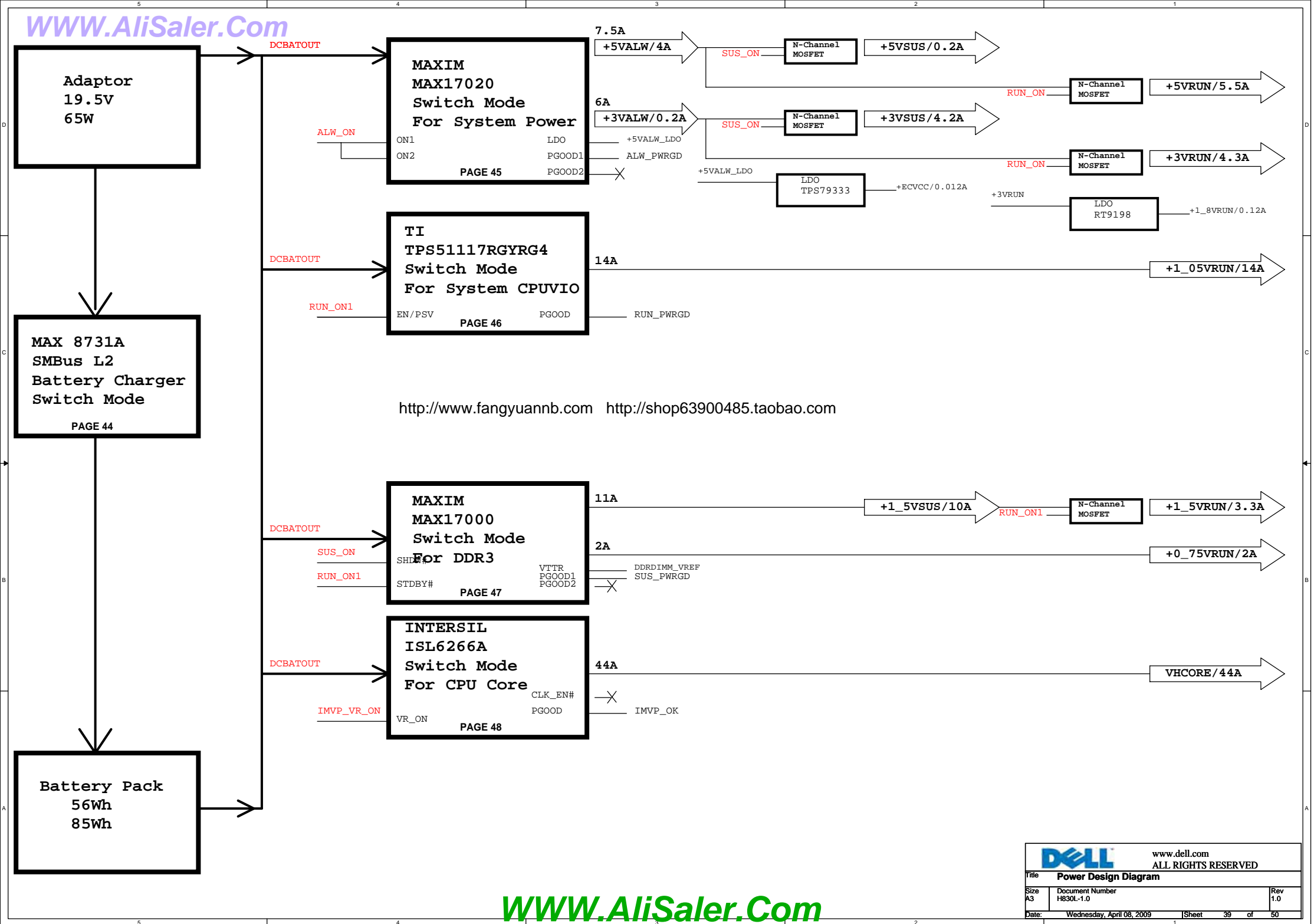


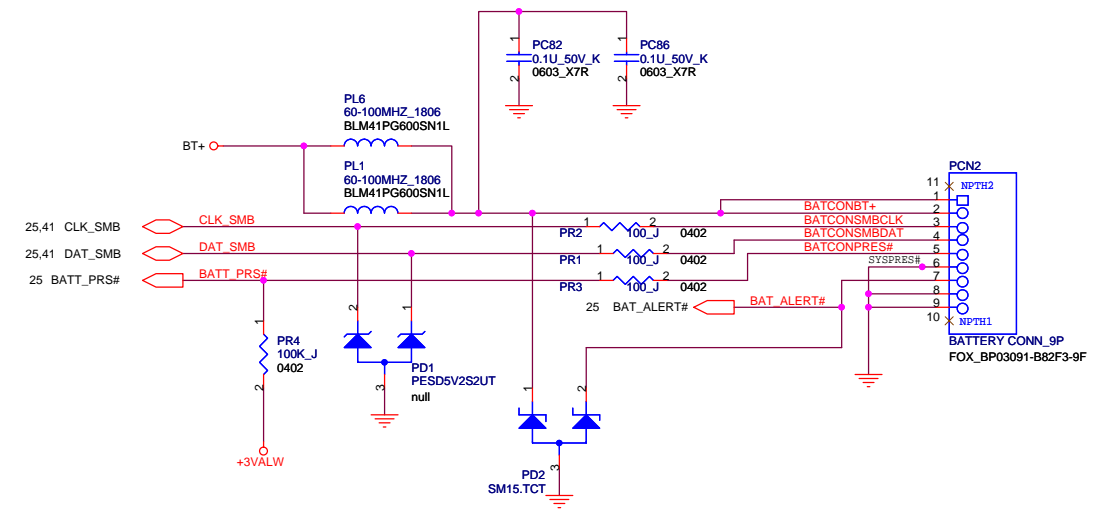
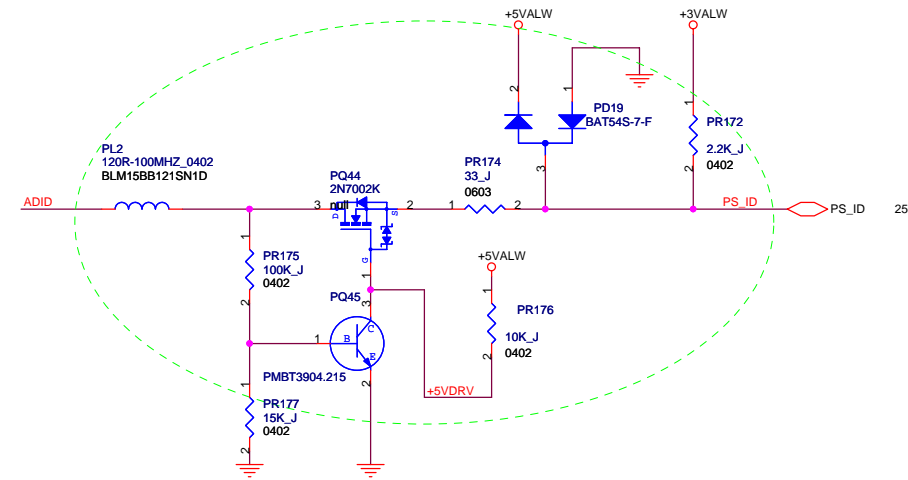
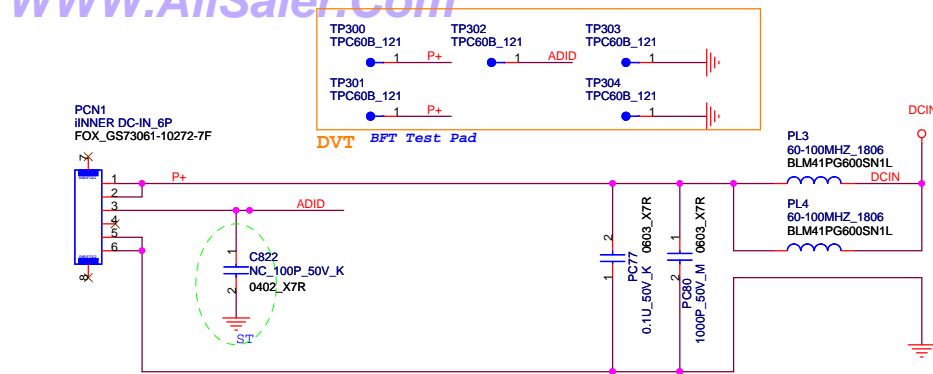
LED Board

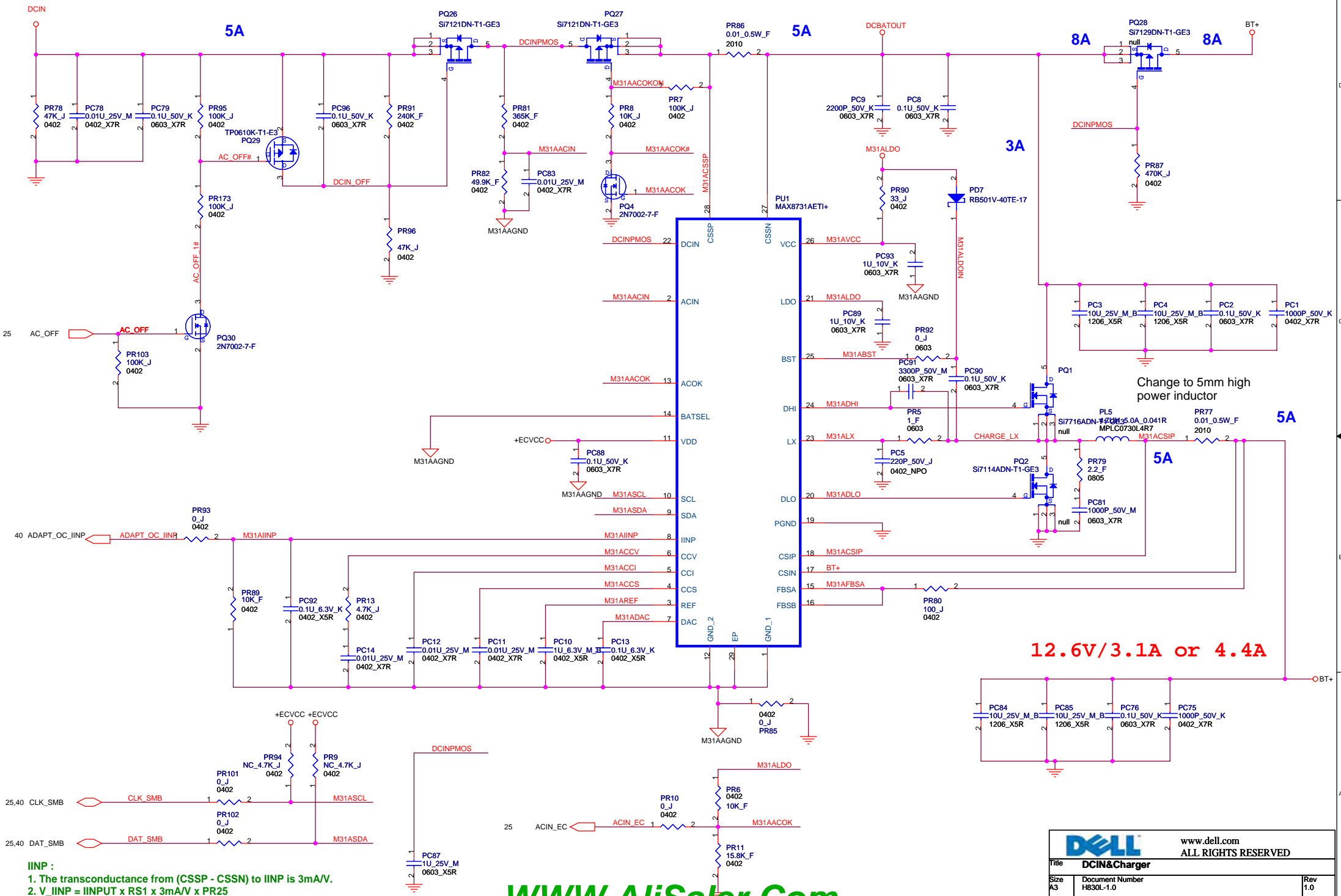
H830

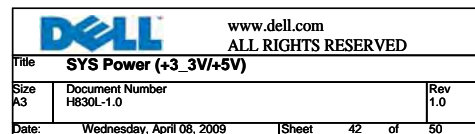
WHITE: Vf=2.55V (typ)
AMBER: Vf=2.0V (typ)

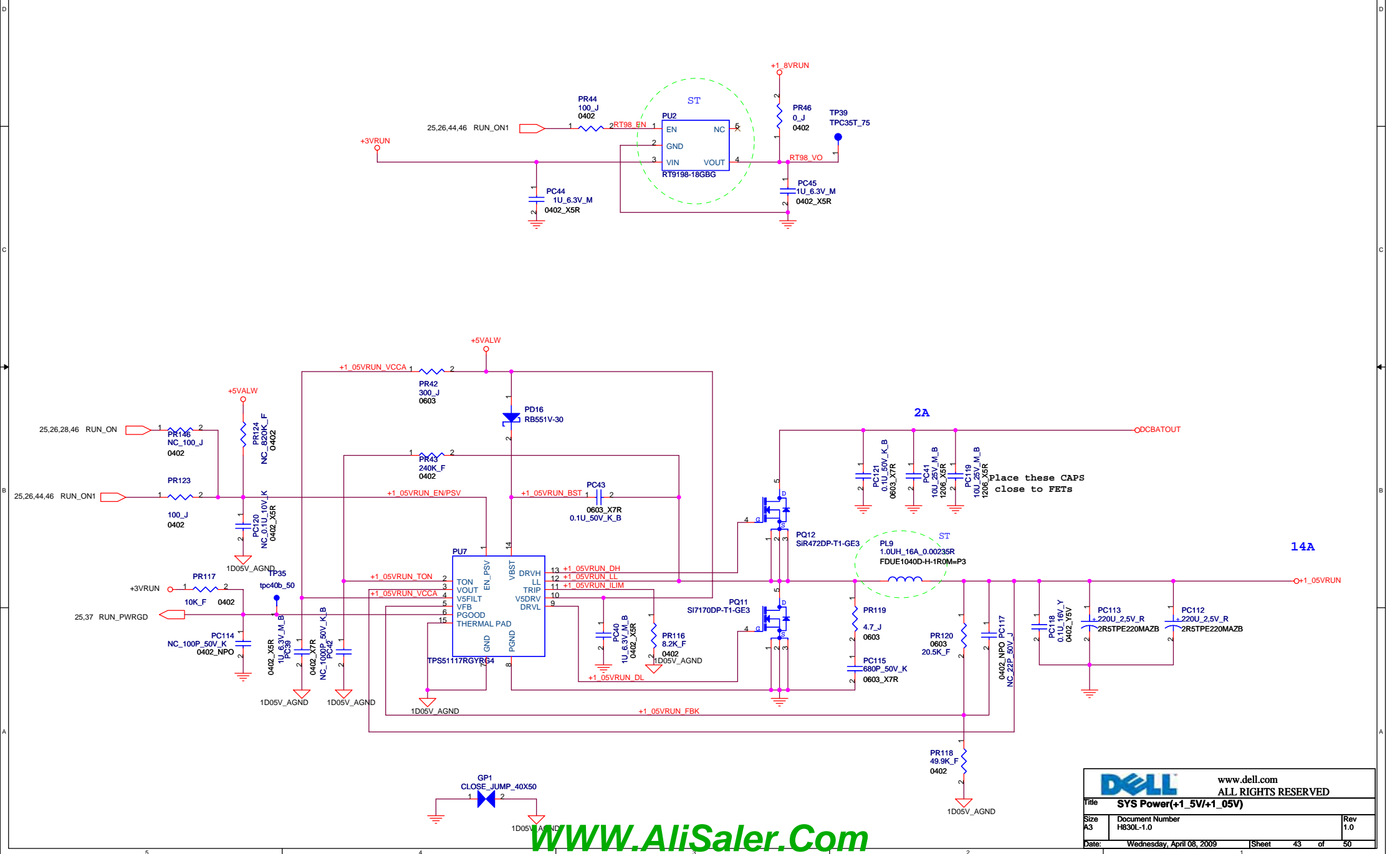


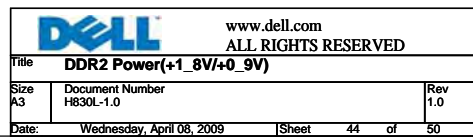






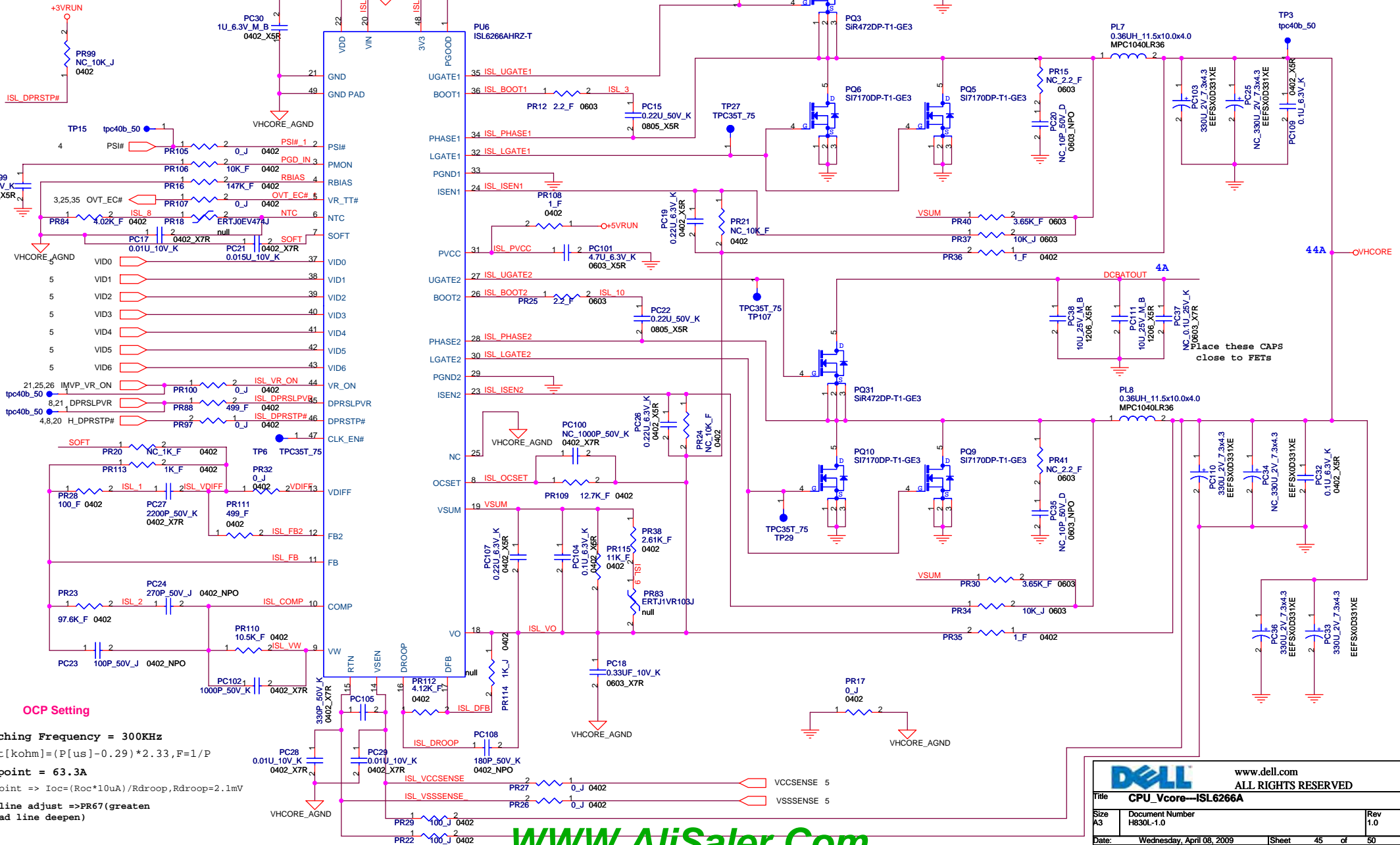


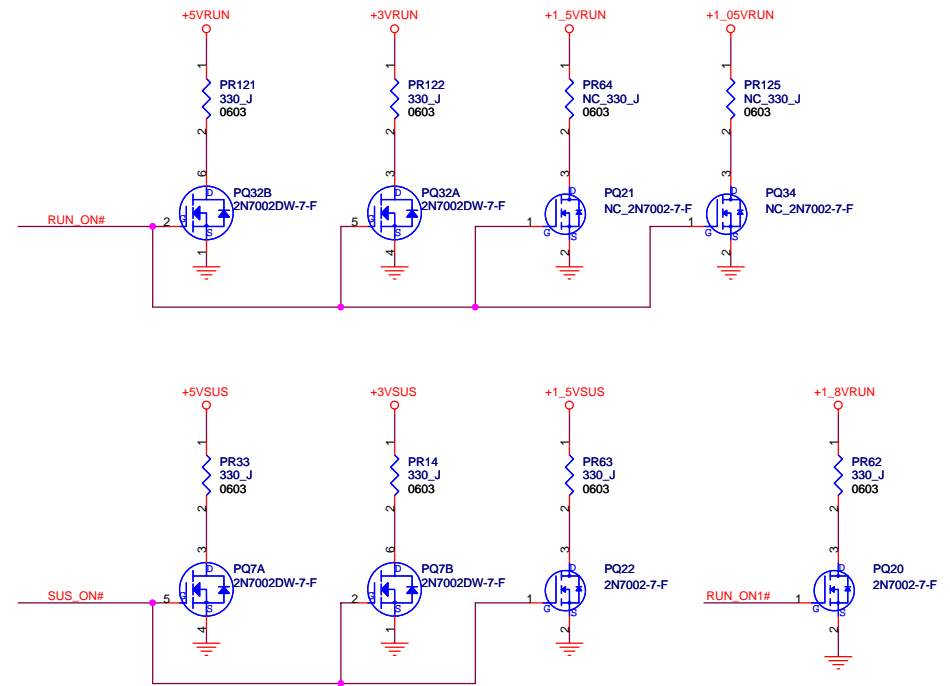
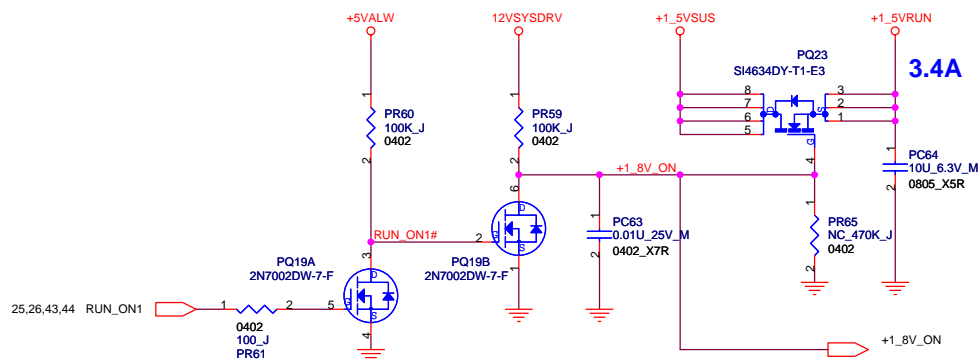
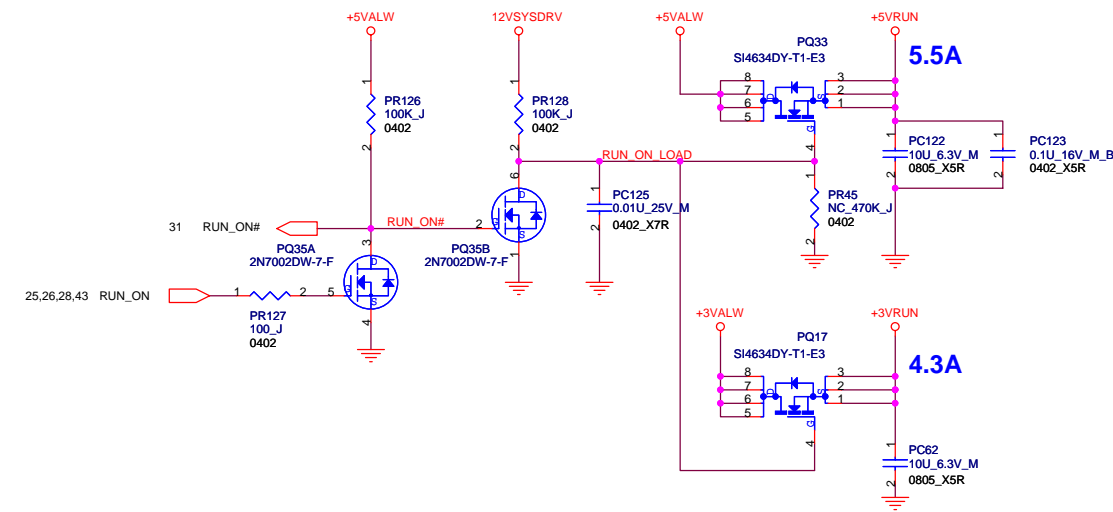
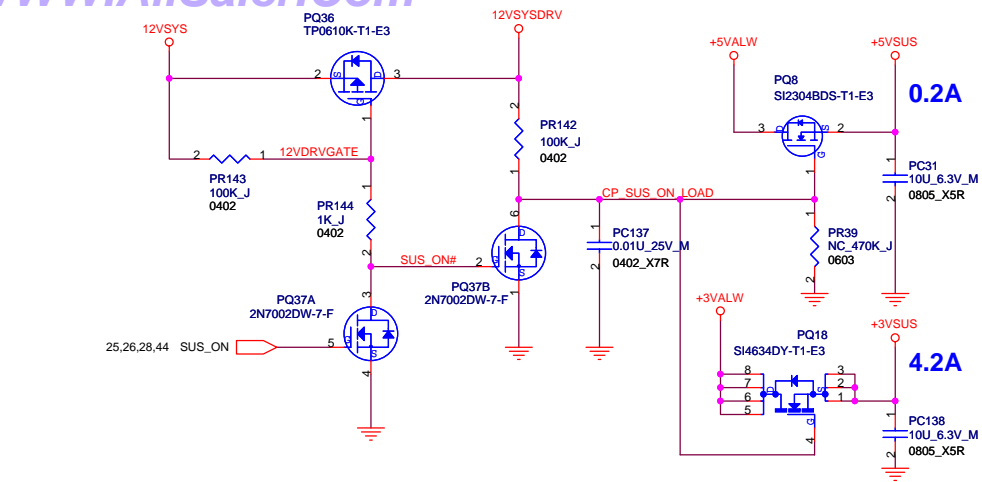


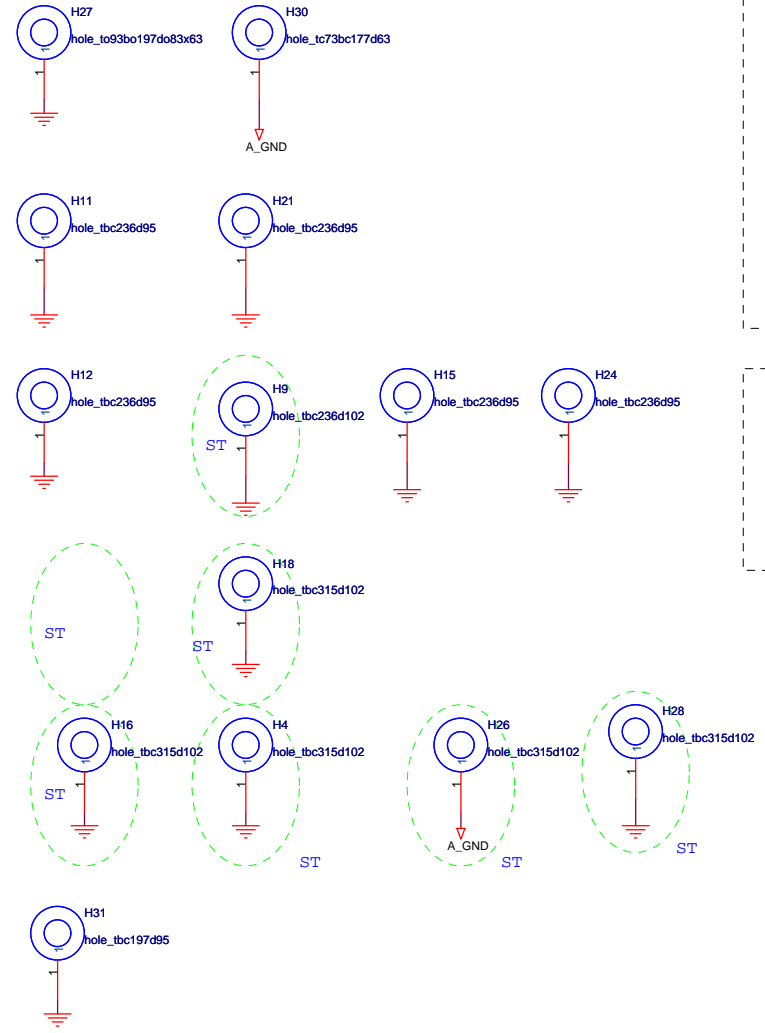
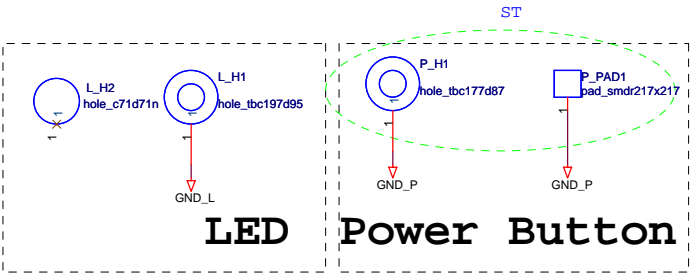
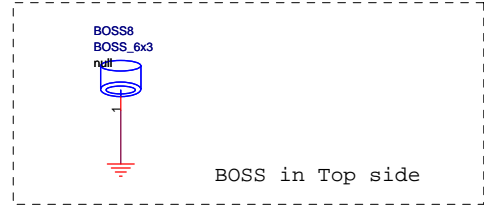
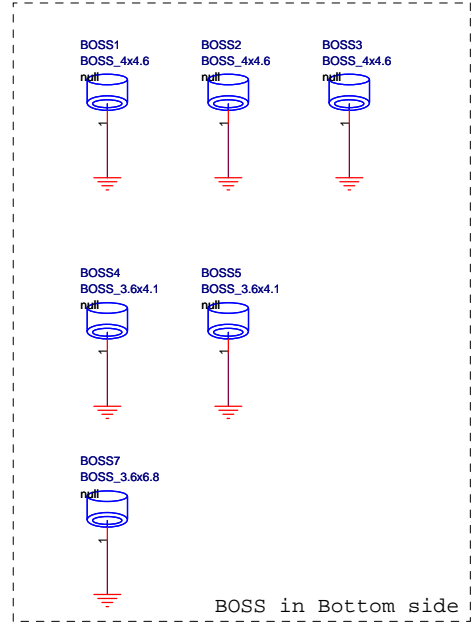
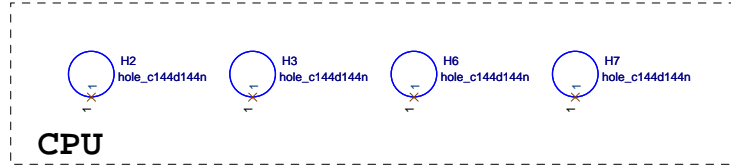
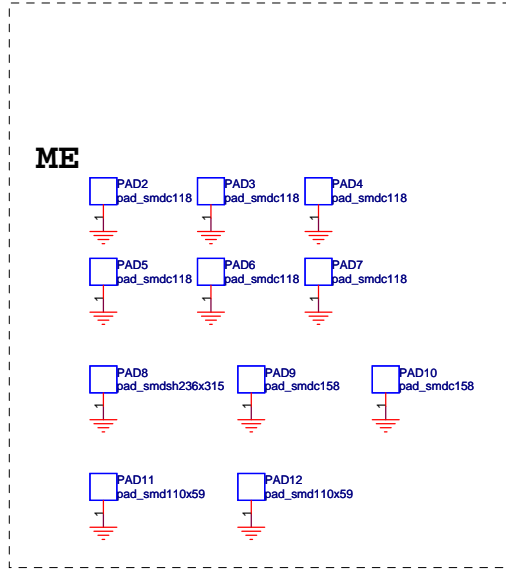


Power test for JIG

TP104 tpc40b_75	1	VID0
TP16 tpc40b_75	1	VID1
TP4 tpc40b_75	1	VID2
TP101 tpc40b_75	1	VID3
TP100 tpc40b_75	1	VID4
TP99 tpc40b_75	1	VID5
TP11 tpc40b_75	1	VID6







H830-L EVT -> DVT

(2008/12/29)

- P.25 Change KB CN: CN13 to Stuff; CN12 to NC for ME requirement.
- P.28 Change Express Card CN: CN14, CN17 to Foxconn for ME requirement.
- P.37 Change WWAN CN: CN8 to Stuff; CN7 to NC for ME requirement.
- P.41 Change PR87 to 470K from 100K to fix part number error.
- P.41 Change PR6 to 10K from 100K to fix part number error.
- P.41 Change PR89 to 10K from 8.45K to fix part number error.
- P.41 Change PR77, PR86 to CYTEC from WALSIN for purchase requirement.
- P.42 Change PR136 to 27K from 33K for fine tune voltage.
- P.42 Change PR56 to NC ; PR55 to stuff to fix 3V/5V over-spec issue.
- P.43 Change PQ11 to SI7170DP-T1-GE3 from SiR466DP-T1-GE3.
- P.45 Change PR108, PR36, PR35 to 1ohm from 100K to fix part number error.
- P.45 Change PR20 to NC for ISL6266A improved by internal circuit.

(2008/12/31)

- P.25/29/30/33/35/37/40 Add test point TP300~TP337 for DVT BFT test.

(2009/01/06)

- P.18 Change L47 vender to PSL vender Murata.
- P.29 Add TP338~TP to solve PC_BEEP issue.
- P.33 Add Q50, R468,R560,C816,C792 to solve PC_BEEP issue.
- P.34 Add Q41 to solve speaker mute issue.
- P.37 Change CN3 to 4pin CN from 3pin to avoid confusing with LED Brd CN.
- P.38 Reverse L_SMD1 to follow cable pin definition.

(2009/01/08)

- P.20 Change RTC battery part number to CR-2032L/BN from CR-2032L/BE for PUR.
- P.40 Add PU PR172 for PS_ID.
- P.24 Change CN26 (HDD CN) footprint for ME request.
- P.24 Change CN26 (HDD CN) footprint for ME request.
- P.19 Change R124 to NC for no necessary.

(2009/01/09)

- P.14/15 Change C221,C196,C219,C220,C202,C178,C197 to stuff to follow H830H.
- P.38 Change R299,R300,R306,R307 to Stuff; L40,L42 to NC to solve e-sata issue.
- P.20 Change C423, C424 to 12pF from 15pF for crystal Y2 precision.
- P.30 Change C48 to 15pF, C47 to 18pF for crystal Y1 precision.
- P.25 Change C481 to 15pF, C475 to 15pF for crystal Y4 precision.
- P.06 Change C425 to 27pF for crystal Y3 precision.
- P.21 Change USBPWREN_1 to SB GPIO28; GPIO22 connect +3VRUN to solve USB S3 auto resume issue.
- P.40 Change TP300, TP301,TP302,TP303,TP304 to TPC60B_75 for TE request.
- P.41/42 Change PQ2, PQ15 to Si7114ADN-T1-GE3 for power request.
- P.43 Change PQ11 to SI7170DP-T1-GE3 for power request.
- P.34 Add Q52 and connect EC_DEBUG to EC to solve PC_BBEP issue.

(2009/01/09-2)

- P.30 Change Y1 to X5H025000FC1H-H for vender suggest.
- P.20 Change RTC Battery CN25 to BB10201-C1401-7F for ME request.

(2009/01/12)

- P.36 Change U6,U34 to HF part RT9703GS for vender suggest.

(2009/01/14)

- P.38 Change L_SMD1 to L_CN1 for ME request.
- P.48 Del H1,H10 & H23 for ME request.
- P.43 Change PU2 to RT9198-18PBG from RT9198-18GBG for PUR request.
- P.36 Change U6,U34 back to LF part RT9703PS for vender lead time issue.

(2009/01/16)

- P.36 Del eSATA Choke L40 and L42 for improve SI.
- P.18 Change HMDI CN CN16 to DIP type for factory EE request.
- P.37 Change PWR BTN CN CN3 to 3pin and LED Brd CN CN2 to 4pin for ME request.

(2009/01/19)

- P.41 Add PR173 for solve PQ29 derating issue.
- P.42 Move PC124 to DCIN5VALW for power request.
- P.06 Change C425 to 33pF for crystal Y3 precision.

(2009/01/20)

- P.43 Add PD16 for power request.
- P.08 Add U38, C818, R563,R564 to solve SUS_PWRGD level drop issue.
- P.05 Add C819, C820, C821 for RF request.
- P.27 Del D4 and add R469, Q42 and Q43 to solve HDMI CN VCC issue.
- P.42 Del PR52 and change PR51 to 0ohm;change PR53 to NC for power request.
- P.47 Add PAD2~PAD12 for ME request.

(2009/01/21)

- P.17 Change R269 to 62ohm and stuff R360 and Q12; add C534 to solve panel power sequence issue.
- P.36 Change USB power switch U34, U6 to TPS2034DRG4 (low Rds on).
- P.38 Add BC_CN4 and BC_CN3 for BT second source.
- P.52 Add PR146 NC for resevering power sequence test.

(2009/02/02)

- P.31 Change C518 to 2.2uF from 10uF to solve S3 pop noise issue.
- P.47 Connect H30 to AGND from GND.
- P.37 Inrease USB_VCC5_R to 6pin from 4pin and decrease AGND, GND pin to improve voltage drop.

(2009/02/02)

- P.37 Del colay connector CN6 for ME request.

(2009/02/05)

- P.47 Del BOSS6 for ME request.
- P.38 Add BC_TP1, BC_TP2.
- P.25 Change Q21B(3904) to Q53 (2N7002) to prevent current leakage.
- P. Change test point to ICT test point: TP111,TP113,TP116,TP117,TP118,TP119,TP120,TP121,TP122,TP123,TP124,TP125,TP126,TP130,TP131,TP132,TP133,TP135,TP136,P137,TP139,TP140,TP141,TP142,TP153,TP157,TP158,TP178,TP179,TP34,TP36,TP37,TP40,TP41,TP42,TP44,TP45,TP46,TP47,TP49,TP58,TP60,TP62,TP63,TP64,TP69,TP70,TP72,TP75,TP77,TP78,TP79,TP8,TP85,TP86,TP87,TP88,TP89,TP9,TP90,TP92,TP93,TP94,TP95,
- P.35 Add U39,U40,R565,R568,R569,R570,R566,R567,C823 for G sensor function.

(2009/02/06)

- P.47 Del BOSS6 for ME request.
- P.31 Change LDO U18 to TPS73601DBVR for current limit up to 400mA.
- P.31 Change R478 to 0ohm from 22ohm for SI.
- P.37 Add L55, R544, R571 for EMI.
- P.20 Add R465,R1305 and SATALED# for HDD LED.
- P.35 Add Q54, R575, TP255, TP249 for G sensor function.
- P.28 Add CN72, CN73 for expresscard CN second source.

(2009/02/07)

- P.36 Change D2,D3 to PSL vender.
- P.51 Change PR136 to 0 ohm and PR137 to NC to solve +3VALW level too high issue. .

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(2009/02/10)

- P.16 Change C418,C415 & C410 to 22pF for EMI requirement.
- P.29 Add L73, L74,C772 & C817 for EMI requirement.
- P.16 Change L45,L44,L43 to BLM18BB750SN1D for RGB Tr, Tf issue.
- P.33 Del R54,R55,R56,R57 and add L75,L76,L77,L78 for EMI issue.

(2009/02/11)

- P.40 Add C822 1000pF on PCN1 pin 3 for EMI requirement.
- P.42 Change PR54 to 120k for 3.3V OCP Change.
- P.43 Change PR43 to 240k for 1.05V Frequency Change.
- P.44 Change PR43 to 1.8k for 1.5V OCP Change
- P.41 Change PQ28 to Si7129DN-T1-GE3 for Id Derating Fail
- P.44 Change PC69,PC139 to 220uF, for Power IC issue,Maxim FAE instance
- P.43 Change PC112,PC113 to 220uF, for Power IC issue,TI FAE instance.
- P.44 Change PC145(NC) to 220uF, for Power IC issue,Maxim FAE instance
- P.45 Change PC143 to 0.1uF for For Vhcore loadline and transient.
- P.45 Change PR111 to 499ohm for Vhcore loadline and transient
- P.45 Change PR112 to 4.12Kohm for Vhcore loadline and transient
- P.42 Add PR147(NC) 0ohm for +3D3VALWVO from +ECVCC,for PT energy star test.
- P.42 Add PR148(NC) 0ohm for M020ON2 from M020LDO,for PT energy star test.

(2009/02/12)

- P.30 Change R26 to 1.1K from 1.24k for LAN SI issue.

(2009/02/13)

- P.38 Add BC_BOSS1 for BT2 Brd nut.
- P.14/15 Add C535,C537,C538,C317,C538,C541,C542,C540,C539,C543 for DDR EMI issue.
- P.42 Add PC146 and NC PC71 for DDR power.
- P.30 Change R26 to 1.24K from 1.1k for LAN SI issue.
- P.40 Add PCN2 toBP03091-B82F3-9F for ME request.
- P.16 Change F2 to SMD1206P035TF/16 for fuse derating issue.
- P.36 Change F5,F7 to SMD1812P260TF for fuse derating issue.

(2009/02/17)

- P.20 Change R1035,R465 to NC to reserve for SATA LED.

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(2009/03/08)

- P.33 Change Q50,R468,C816,C792 to NC because new version Codec solved PC-Beep issue (PT implement. E-ECN)
- P.21 Change RTC battery part number to CR-2032L/BN from CR-2032L/BE for PUR request.
- P.35 Change U40 G-sensor part number to DE351DL for request.
- P.41~45 Remove Power open gap PJ1,PJ2,PJ3,PJ4,PJ5,PJ6,PJ7,PJ8,PJ9,PJ10,PJ11,PJ12,PJ13,PJ14,PJ15,PJ16,PJ17 for power request.
- P.42 Change PR135 to 16.2K ohm to solve +5VALW voltage too high issue.

(2009/03/15)

- P.42 Change PR135 to 16.2K ohm to solve +5VALW voltage too high issue.
- P.17 Change R38 to 51K and C534 to 0.015uF tol solve LCD power sequence issue.
- P.25/26/37 Change CN13,CN29,CN18,CN10 material to met tin for ME request.
- P.40 Add PR175, PR177, PQ45,PQ44,PR176, PD19,PR174, and del PD5; change C822 to NC_100pF for AD_ID(PS_ID) protection.
- P.18 Change Q31 to 2N7002K for HDMI detection pin ESD protection.
- P.36 Reserve D16 PESD5V0LIBA NC for USB port detection pin ESD.

(2009/03/16)

- P.38 Change P_SMD1 to P_CN1for ME request.

(2009/03/16)

- P.17 Add fuse F8 for LVDS power protection.

(2009/03/17)

- P.17 Add fuse F8 for LVDS power protection.
- P.37 Change CN8 to 18pin and del C368,C498,C73,C72 for del PCIe interface of WWAN DB.

(2009/03/26)

- P.17 LVDS CN, change +3VRUN to pin 10 from pin4 to prevent DCBATOUT short to +3VRUN.
- P.47 Del H20 and modify H4,H18,H26,H9,H16,H28 for ME request.
- P.20 Del C246,C247 for del PCIe interface of WWAN DB.
- P.04 Add C72 to solve H_GTLREF Vpp over-spec issue.
- P.47 Modify P_H1 and P_PAD1 for ME request.
- P.37 Change WWAN DB CN +3VALW to 8pin from 7pin.
- P.27 Add CN74 WLAN CN second source colay with CN17 for ME request.

(2009/03/27)

- P.17 LVDS CN, change +3VRUN to pin 10 from pin4 to prevent DCBATOUT short to +3VRUN.

(2009/03/27-2)

- P.37 Modify WWAN CN8 pin define.
- P.26 LVDS CN, change +3VRUN to pin 4, pin3 to NC prevent DCBATOUT short to +3VRUN.

(2009/03/27-3)

- P.31 Change R207 to 13.3K for Realtek recomment.

(2009/03/31)

- P.18 Change R386 to NC for 27MHz XTAL.
- P.33 Change R435,R434 to 8.2K for 6ohm SPK.
- P.14/15 Change DDR CN package: CN24 to AS0A626-U4RN-4F, CN23 to AS0A626-U8RN-4F for SMT.
- P.43 Change PU2 to RT9198-18GBG (HF part)for PUR request.

(2009/04/02)

- P.33 Change C81,C82,C83 and C84 to NC for EMI request.
- P.33 Del Q50,R468,R560,C816,C792 to del reservation for PCBeep.

(2009/04/03)


- P.16 Change L43,L44,L45 to BLM18BB470SN1D to solve VGA SI issue.
- P.19/25/38 Del CN8,C78,C225,C77 add TP34,TP36,TP37 for WWAN CN PCIe interface cancelled.

(2009/04/05)

- P.40 Change BFT Testpoint TP300, TP301,TP302, TP303,TP304 to TPC60B_121 for TE request.
- P.25/35/37 Change BFT Testpoint TP327,TP328,TP329,TP330,TP333,TP334,TP312, TP313,TP314,TP335,TP337 to tpc40t_121 for TE request.
- P.29/30/33/37 Change BFT Testpoint TP305,TP306,TP307,TP308,TP310,TP338,TP339, TP340,TP341,TP342,TP343,TP344,TP345,TP346,TP309,TP311 TP315,TP316,TP317, TP318,TP319,TP320,TP321,TP322 ,TP323,TP324,TP325,TP326,TP336 to tpc40B_121 for TE request.

(2009/04/08)

- P.42 Change PL_10 to FDVE0630-H-1R5M=P3 (HF part) for power request.
- P.43 Change PL_9 to FDUE1040D-H-1R0M=P3 (HF part) for power request.
- P.44 Change PL_12 to FDUE1040D-H-1R0M=P3 (HF part) for power request.

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(2009/04/08)


- P.17 Change F8 to 467002 (32V-2A_0603) forLVDS VCC protection.
- P.38 Del BC_CN4,BC_CN3,BC_BOSS1,BC_TP1,BC_TP2 for BT2 board is not necessary.

(2009/04/09)

- P.35 Change R568,R575, Q54,R569,R570,R565,U40,C824,R566,C823,R567 to NC for cancelling support G-sensor.
- P.33 Change C513,C524,C505,C493 to 0.01uF;C491 to 0.1uF for speaker pop noise.
- P.17 Del R270 0ohm for no necessary.
- P.27 Del R39 0ohm and change R278 to close gap PGP17.
- P.11 Change R116 0ohm to close gap PGP4.
- P.36 Change R247,R47,R52 0ohm to close gap PGP5,PGP6,PGP8.
- P.36 Change F5,F7 to close gap PGP7,PGP9.

(2009/04/10)

- P.30 Change R48 0ohm to close gap PGP18.
- P.45 Add C596 NC and PGP19 for USB detection softstart.
- P.32 Change R463,R446,R464,R467 to 1K ohm to solve pop noise..

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