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A	<div>WWW.AliSaler.Com</div>								A																																																																											
B	<div><div>ABSOLUT</div><div>SI-1</div><div>2007.12.24</div></div>								B																																																																											
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DATE	CHANGE NO.	REV																																																																																		
DRAWER	EE	DATE	POWER	DATE	INVENTEC																																																																															
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P/N XXXXXXXXXXXX						SHEET 1 OF 60																																																																														
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7. SYSTEM POWER(3V/5V)	32. HDMI CNTR	54. MAIN BOARD LEDs
8. SYSTEM POWER(+V1.05M/+VCCP)	33. ICH9-1	55. MAIN BOARD SCREW HOLES
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10. CPU POWER(VCC_CORE)	35. ICH9-3	57. DB- USB / ESATA
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27. DDR2-DIMM0		
28. DDR2-DIMM1		
29. DDR2 Termination Res / Decoupling Cap		

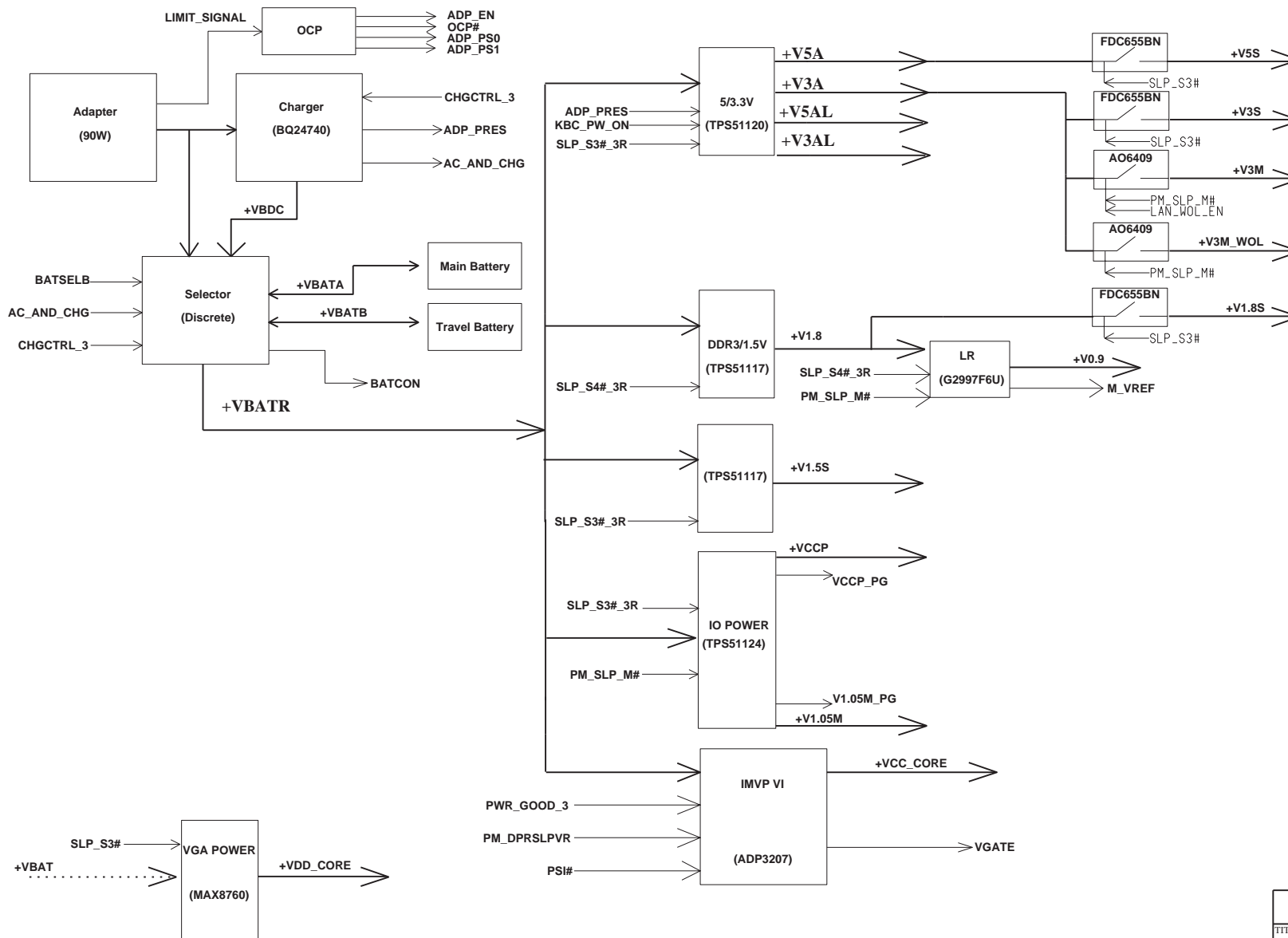
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TITLE
Absolut

SIZE A3	CODE CS	DOC. NUMBER <i>Model No</i>	REV AXI
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CHANGE by *Smit Wu* 20-Dec-2007

SHEET 2 OF 60



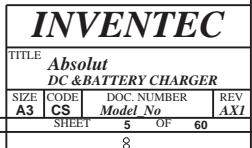
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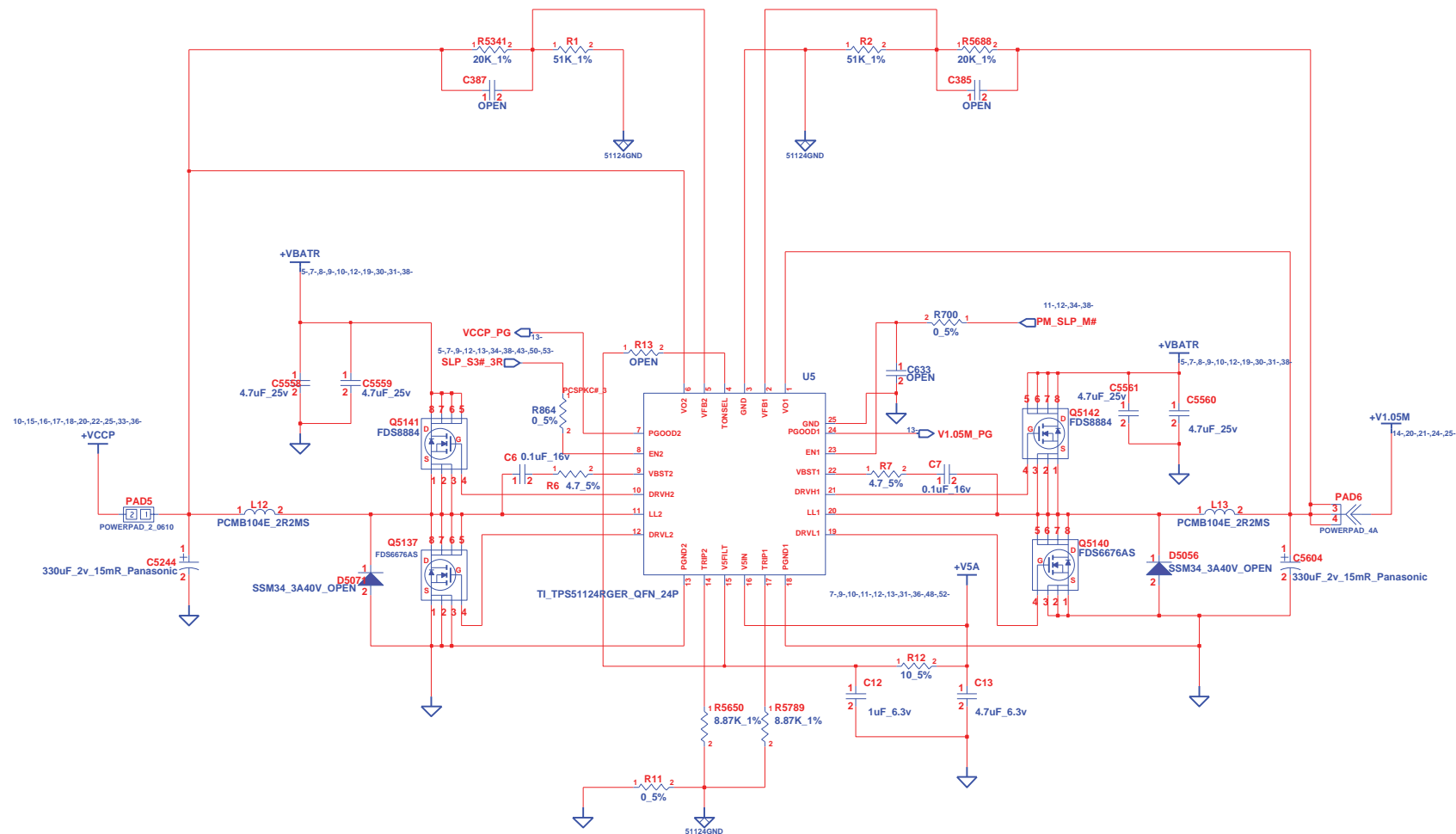
TITLE
Absolut

SIZE A3	CODE CS	DOC. NUMBER <i>Model No</i>	REV <i>AXI</i>
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CHANGE by *Smit Wu* 20-Dec-2007

SHEET 4 OF 60





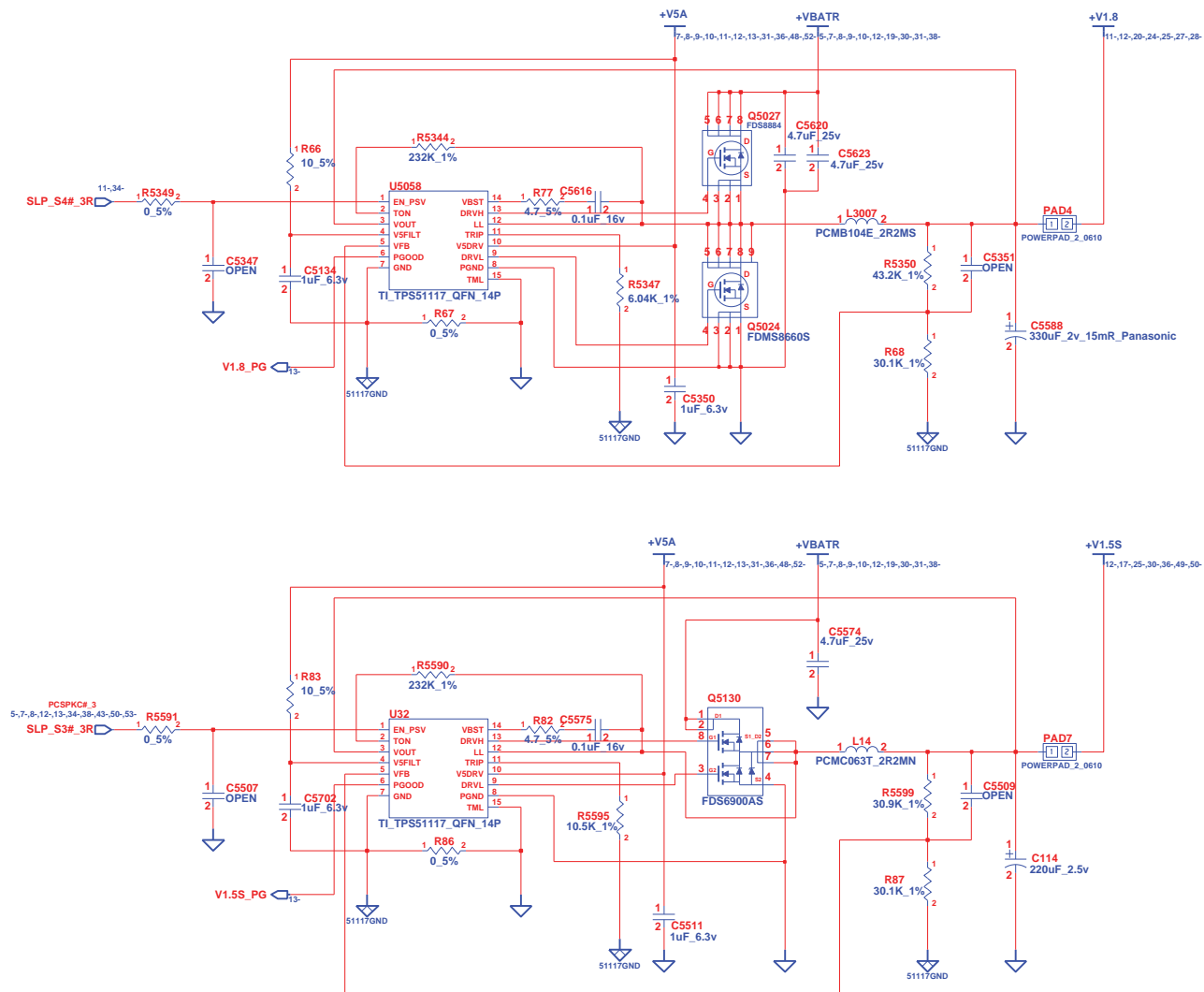
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TITLE
Absolut
SYSTEM POWER(+V1.05M/+VCCP)

SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	AXI

CHANGE by *Smir Wu* 3-Dec-2007

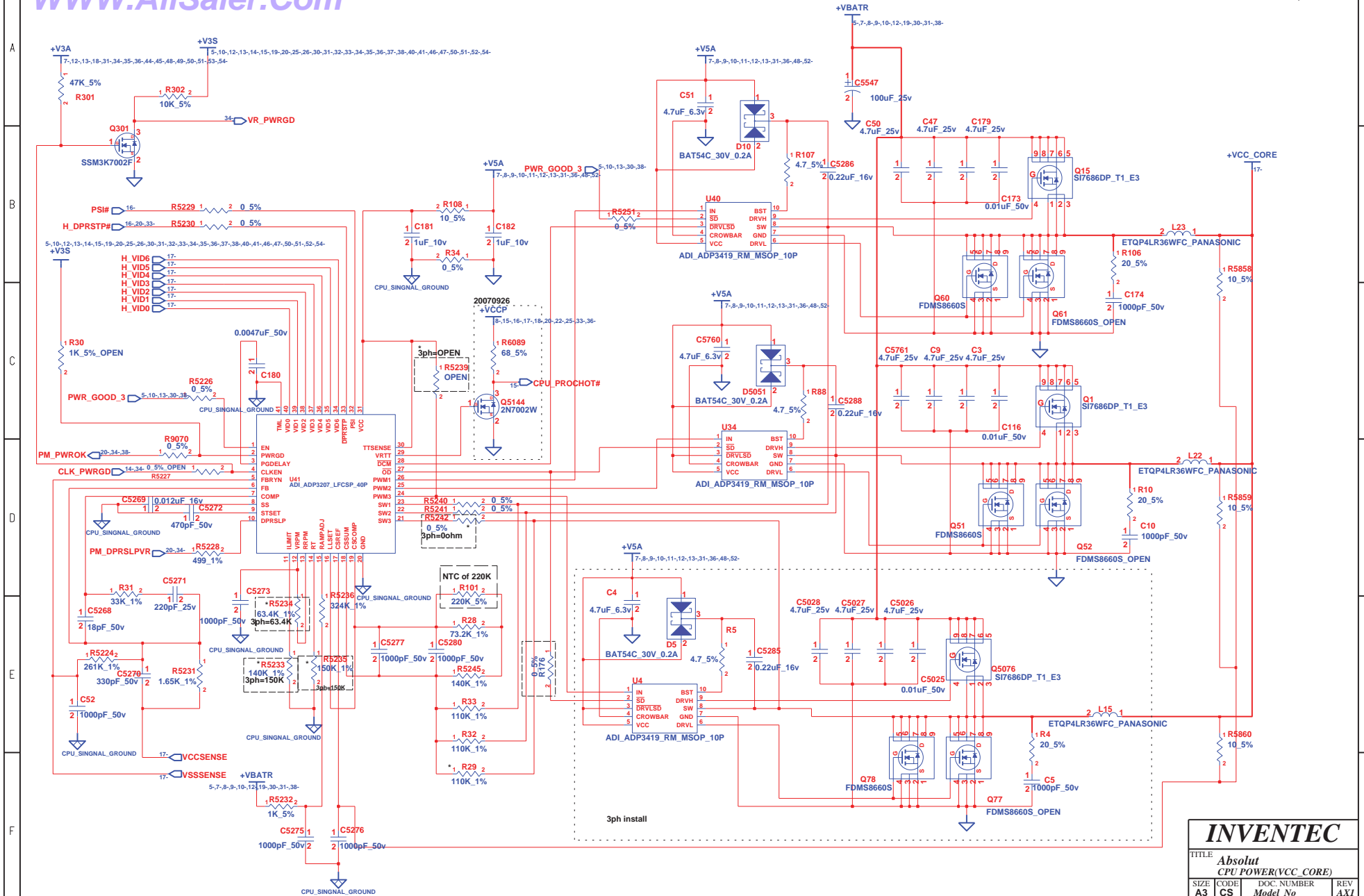
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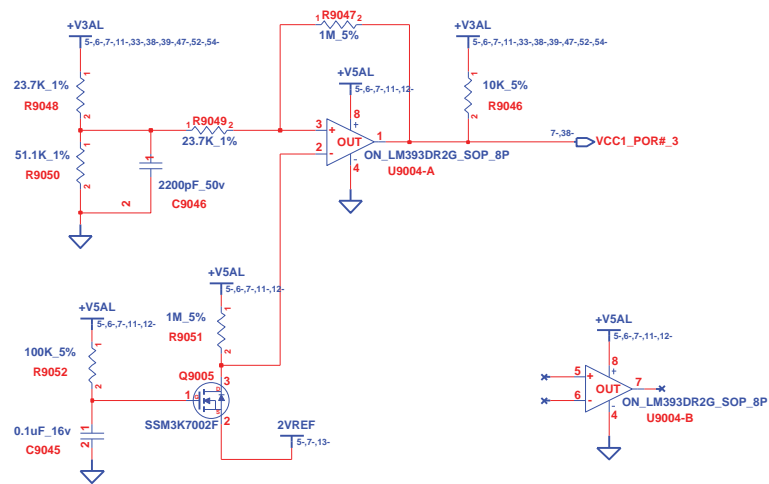
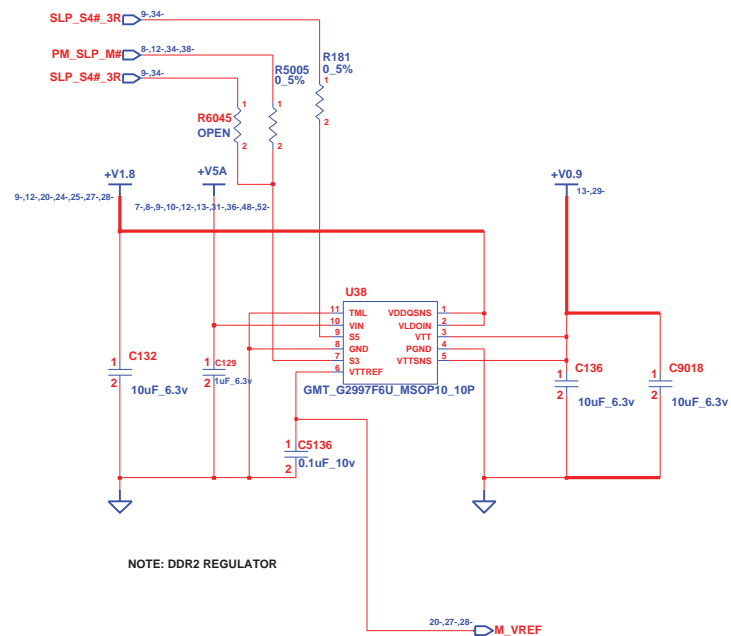
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Absolut				
SYSTEM POWER(+V1.5/+V1.8)				
SIZE	CODE	DOC. NUMBER	REV	
A3	CS	Model No	AXI	

CHANGE by Smit Wu 3-Dec-2007

SHEET 9 OF 60

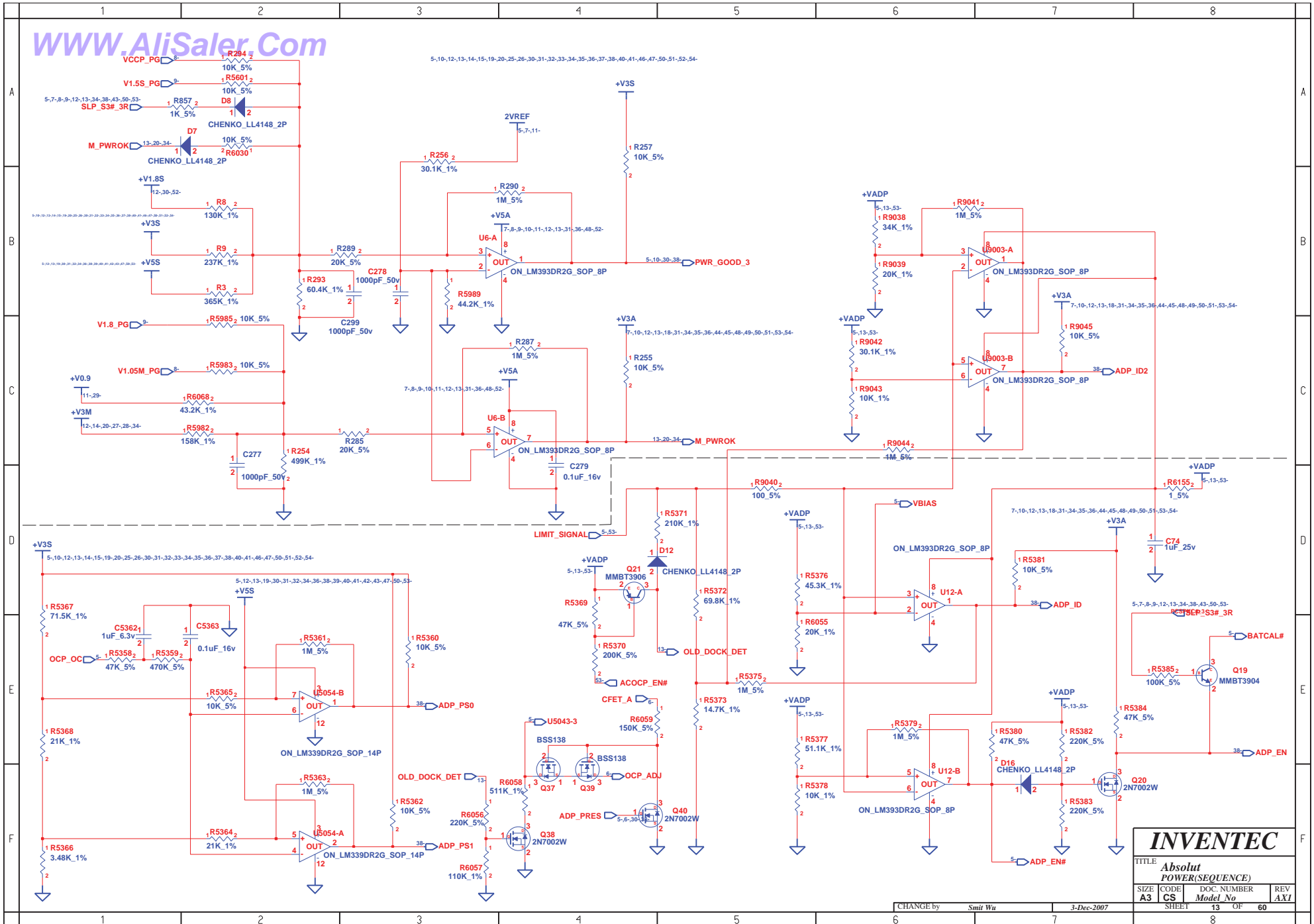


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CHANGE by Smit Wu		3-Dec-2007		
SHEET 10		OF 60		
8				



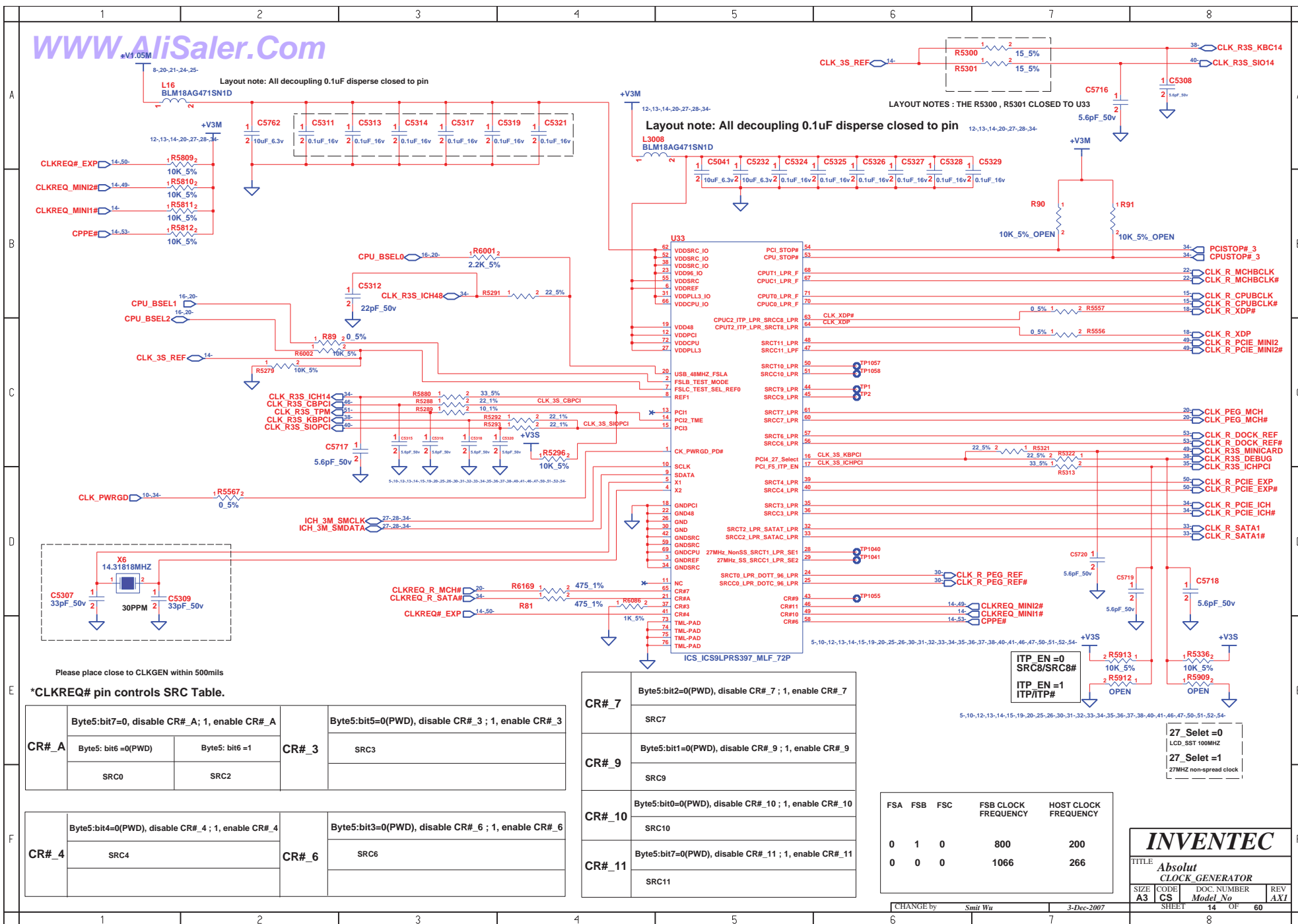
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DDR TERMINATION VOLTAGE			
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A3	CS	Model No	AXI
CHANGE by		Smit Wu	3-Dec-2007
SHEET		11	OF 60

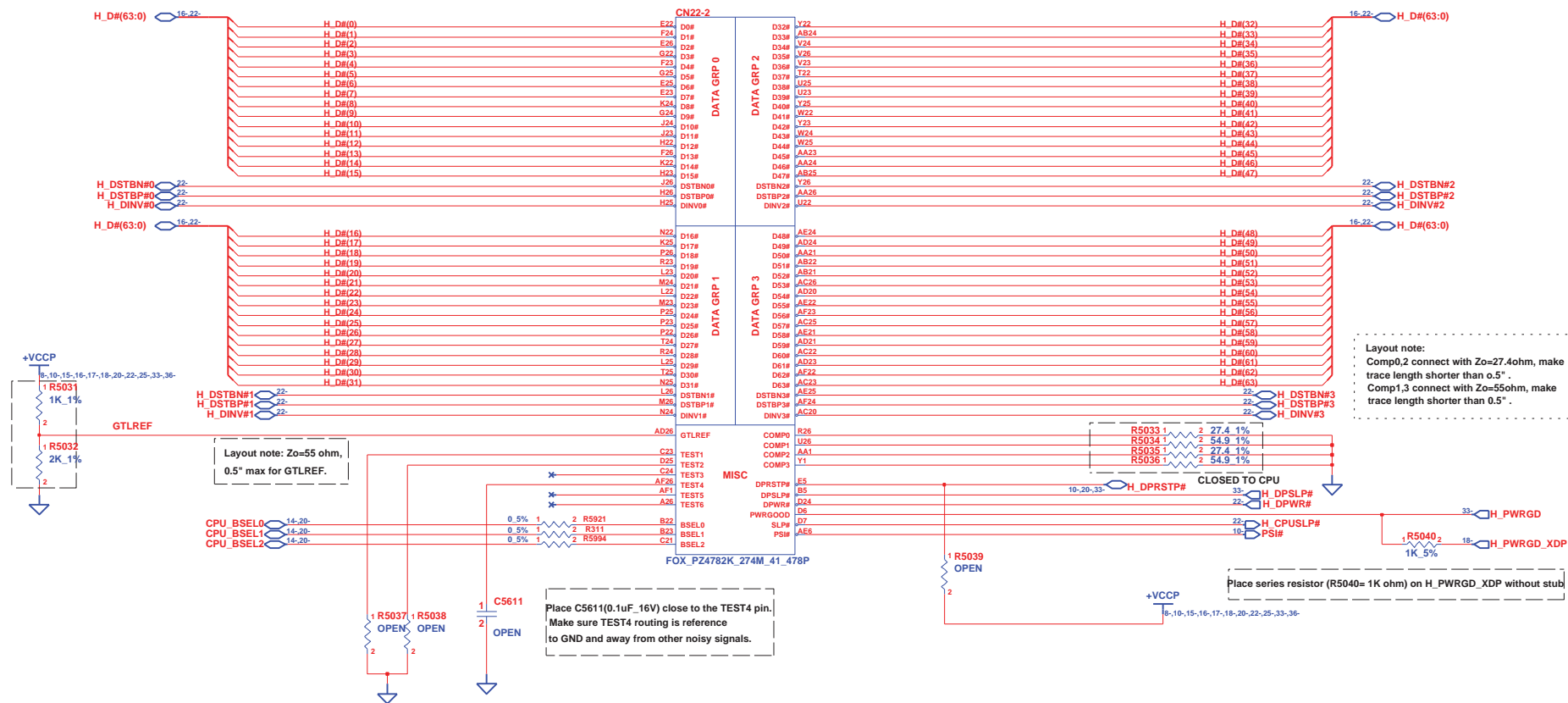




INVENTEC

TITLE Absolut POWER(SEQUENCE)			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV AXI
CHANGE by Smit Wu		3-Dec-2007	
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INVENTEC

TITLE			
Absolut			
PENRYN-2			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	AXI

CHANGE by Smit Wu 3-Dec-2007

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A

B

C

D

E

F

A

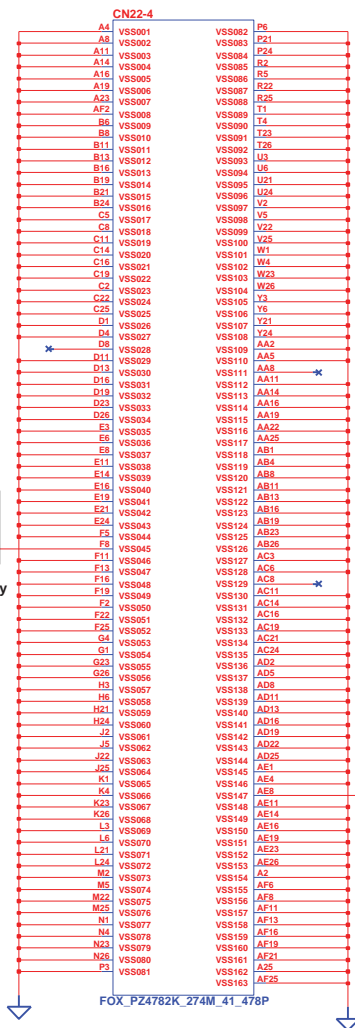
B

C

D

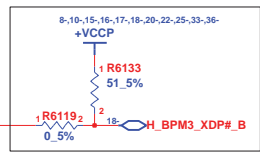
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F



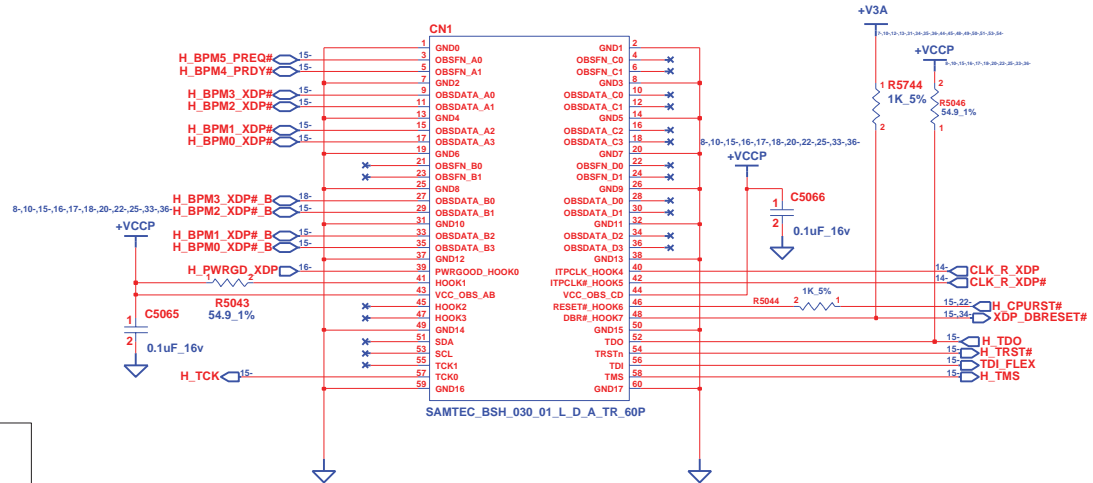
R6121
0.5%
GTLREF_CONTROL 15-1 2

For QC CPU reserved circuitry
For DC CPU, tie to GND



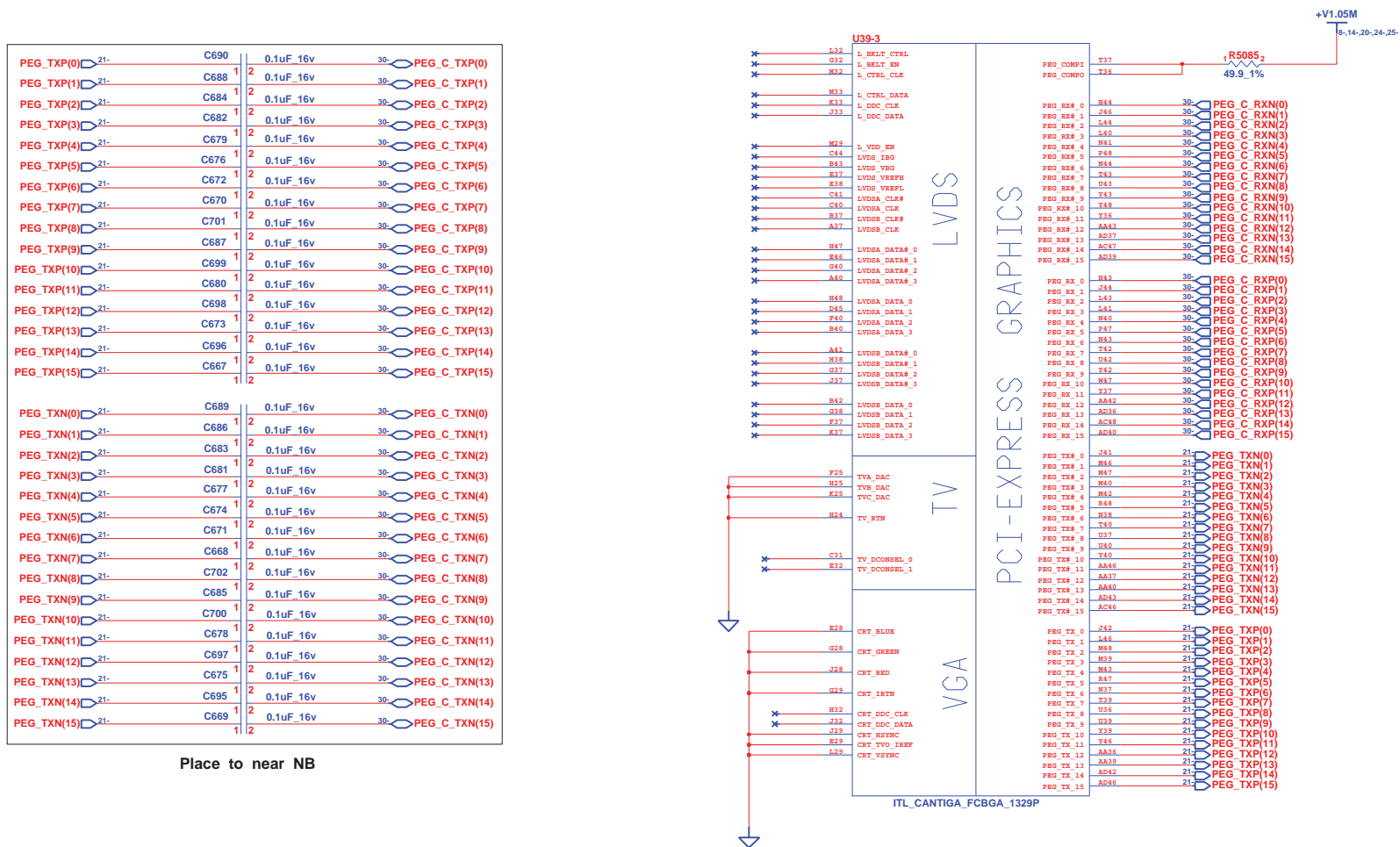
For QC CPU reserved circuitry
--> Stuff R6133, R6119, R6121
For DC CPU, tie to GND

XDP CONNECTOR



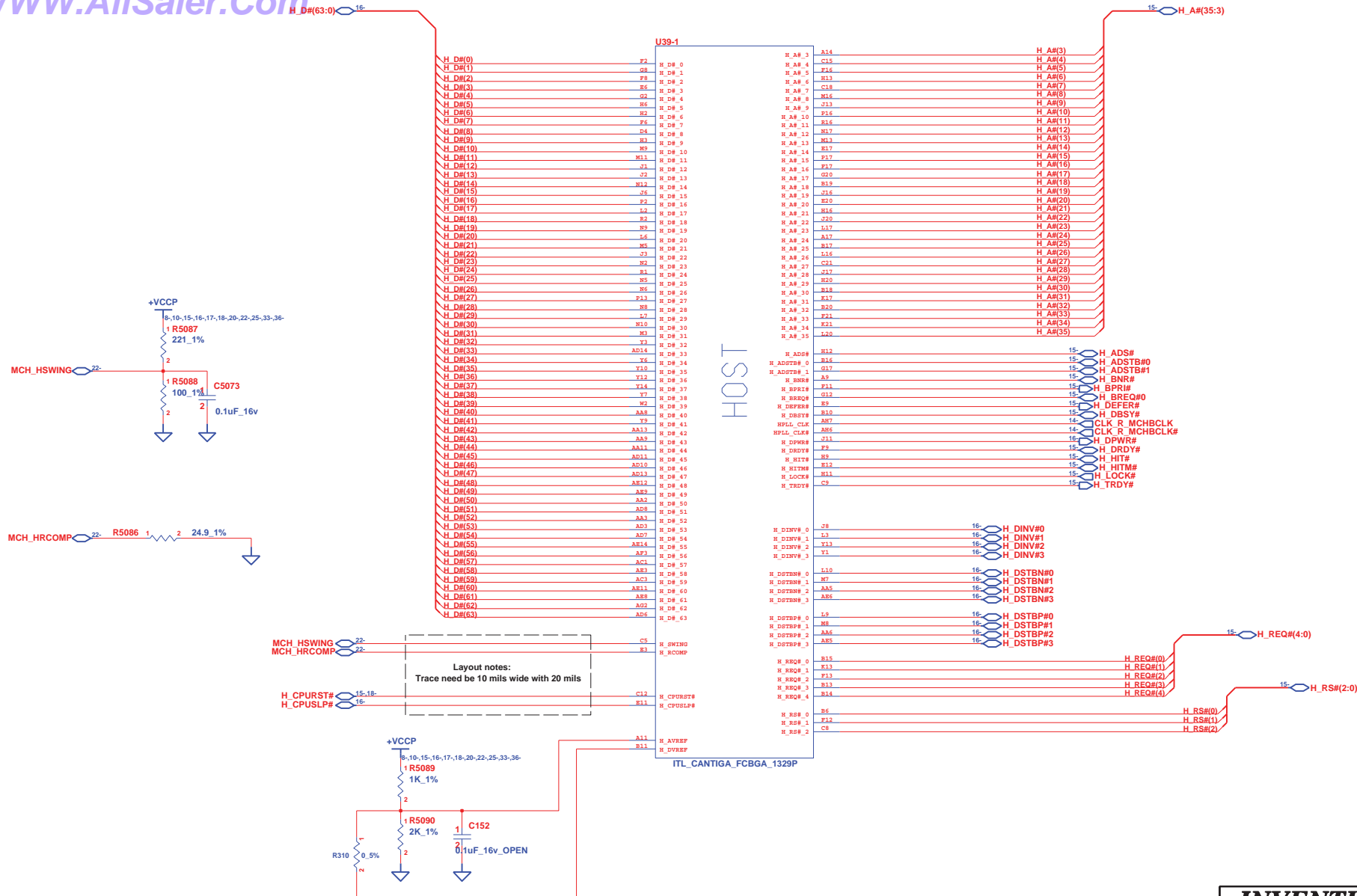
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SIZE A3	CODE CS	DOC. NUMBER Model No	REV AXI
CHANGE by Smir Wu		3-Dec-2007	
SHEET 18 OF 60			



INVENTEC

TITLE Absolut CANTIGA_2			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV AX1
CHANGE by Smit Wu		3-Dec-2007	
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INVENTEC

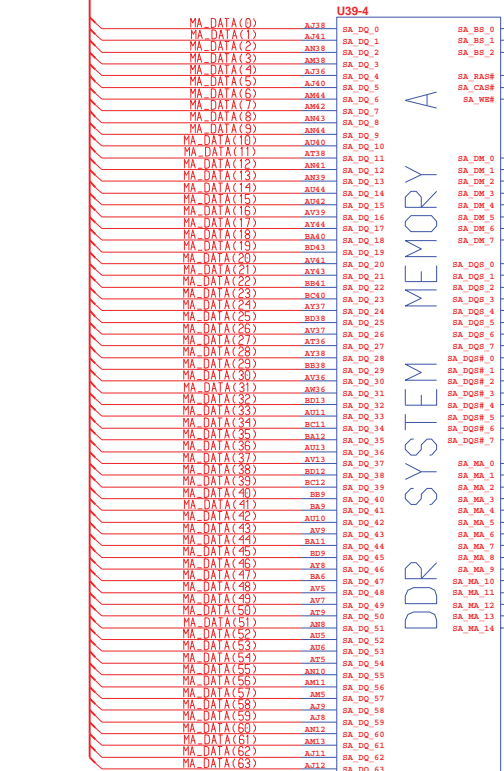
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Absolut CANTIGA_3			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	AXI

CHANGE by Smit Wu 3-Dec-2007

SHEET 22 OF 60

MA_DATA(63:0)

27



U39-4

A

MA_DM(0)

MA_DM(1)

MA_DM(2)

MA_DM(3)

MA_DM(4)

MA_DM(5)

MA_DM(6)

MA_DM(7)

MA_DQS(0)

MA_DQS(1)

MA_DQS(2)

MA_DQS(3)

MA_DQS(4)

MA_DQS(5)

MA_DQS(6)

MA_DQS(7)

MA_DQS#(0)

MA_DQS#(1)

MA_DQS#(2)

MA_DQS#(3)

MA_DQS#(4)

MA_DQS#(5)

MA_DQS#(6)

MA_DQS#(7)

MA_A(0)

MA_A(1)

MA_A(2)

MA_A(3)

MA_A(4)

MA_A(5)

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MA_A(9)

MA_A(10)

MA_A(11)

MA_A(12)

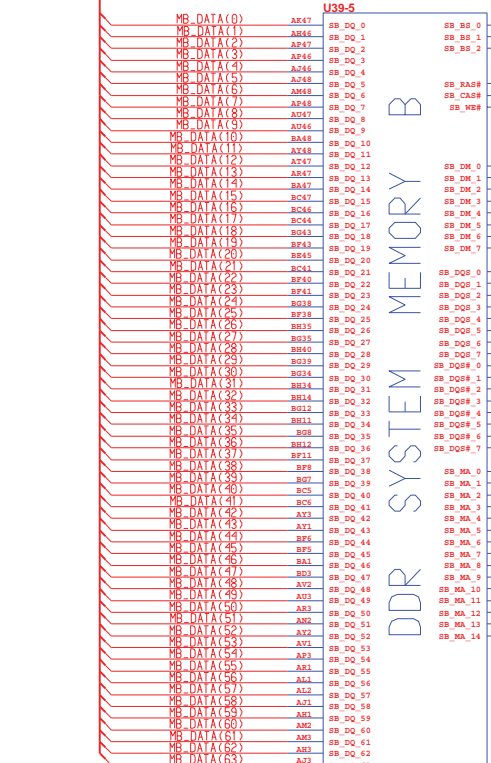
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MA_A(14)

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MB_DATA(63:0)

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U39-5

B

MB_DM(0)

MB_DM(1)

MB_DM(2)

MB_DM(3)

MB_DM(4)

MB_DM(5)

MB_DM(6)

MB_DM(7)

MB_DQS(0)

MB_DQS(1)

MB_DQS(2)

MB_DQS(3)

MB_DQS(4)

MB_DQS(5)

MB_DQS(6)

MB_DQS(7)

MB_DQS#(0)

MB_DQS#(1)

MB_DQS#(2)

MB_DQS#(3)

MB_DQS#(4)

MB_DQS#(5)

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MB_DQS#(7)

MB_A(0)

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MB_A(3)

MB_A(4)

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MB_A(10)

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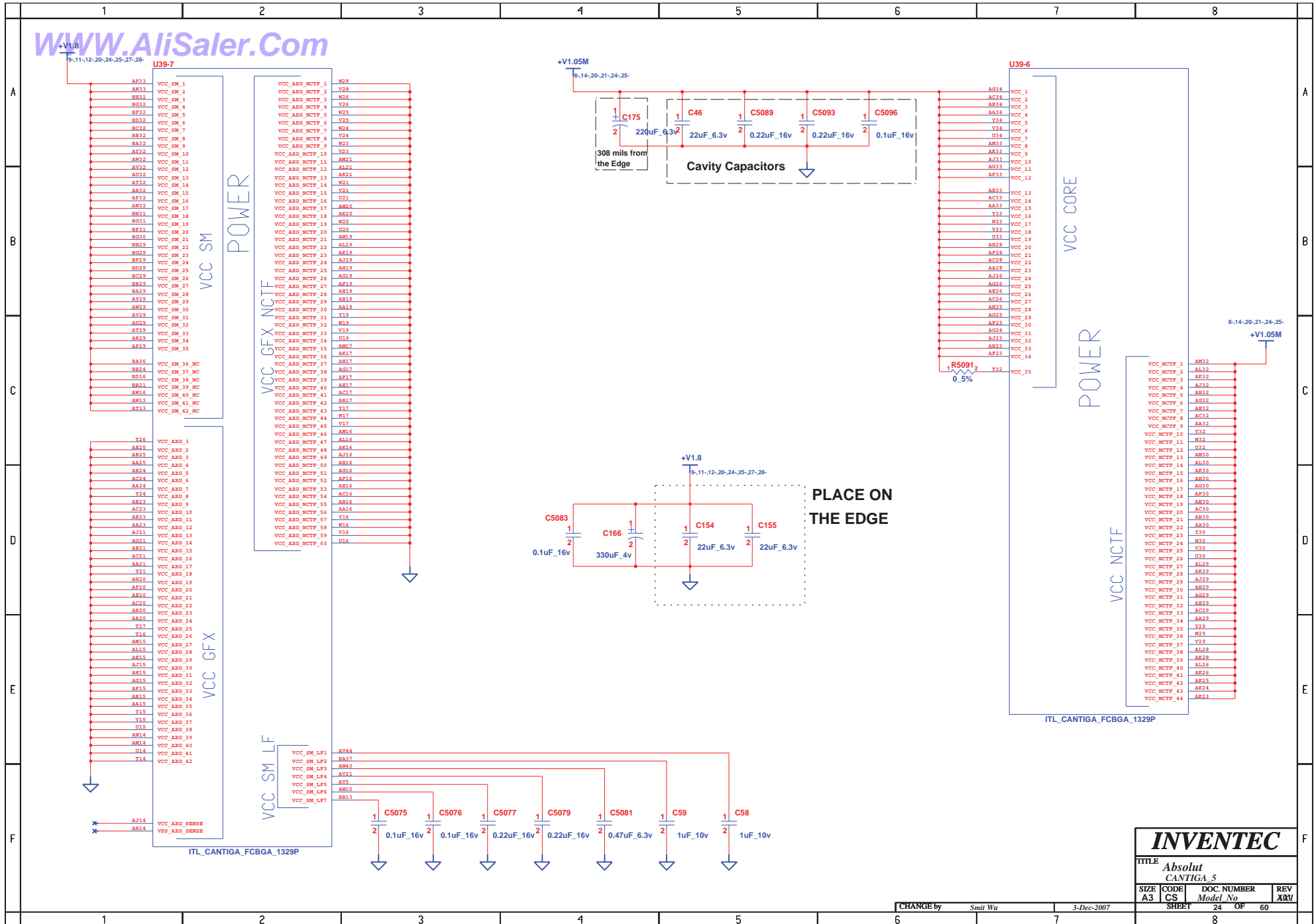
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SIZE CODE DOC. NUMBER REV A3 CS 23 OF 60

CHANGE by Smit Wu

3-Dec-2007

SHEET 23 OF 60



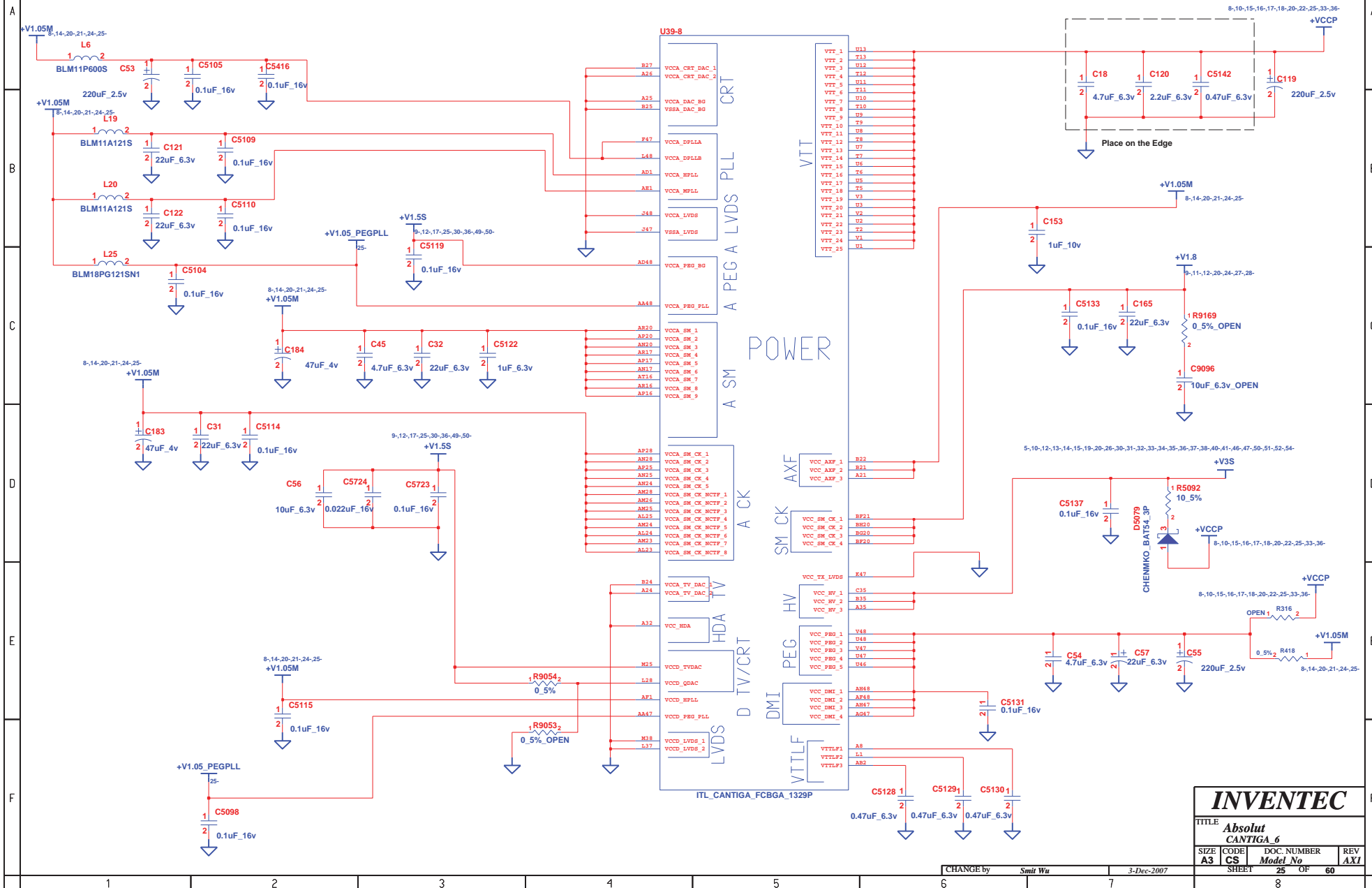
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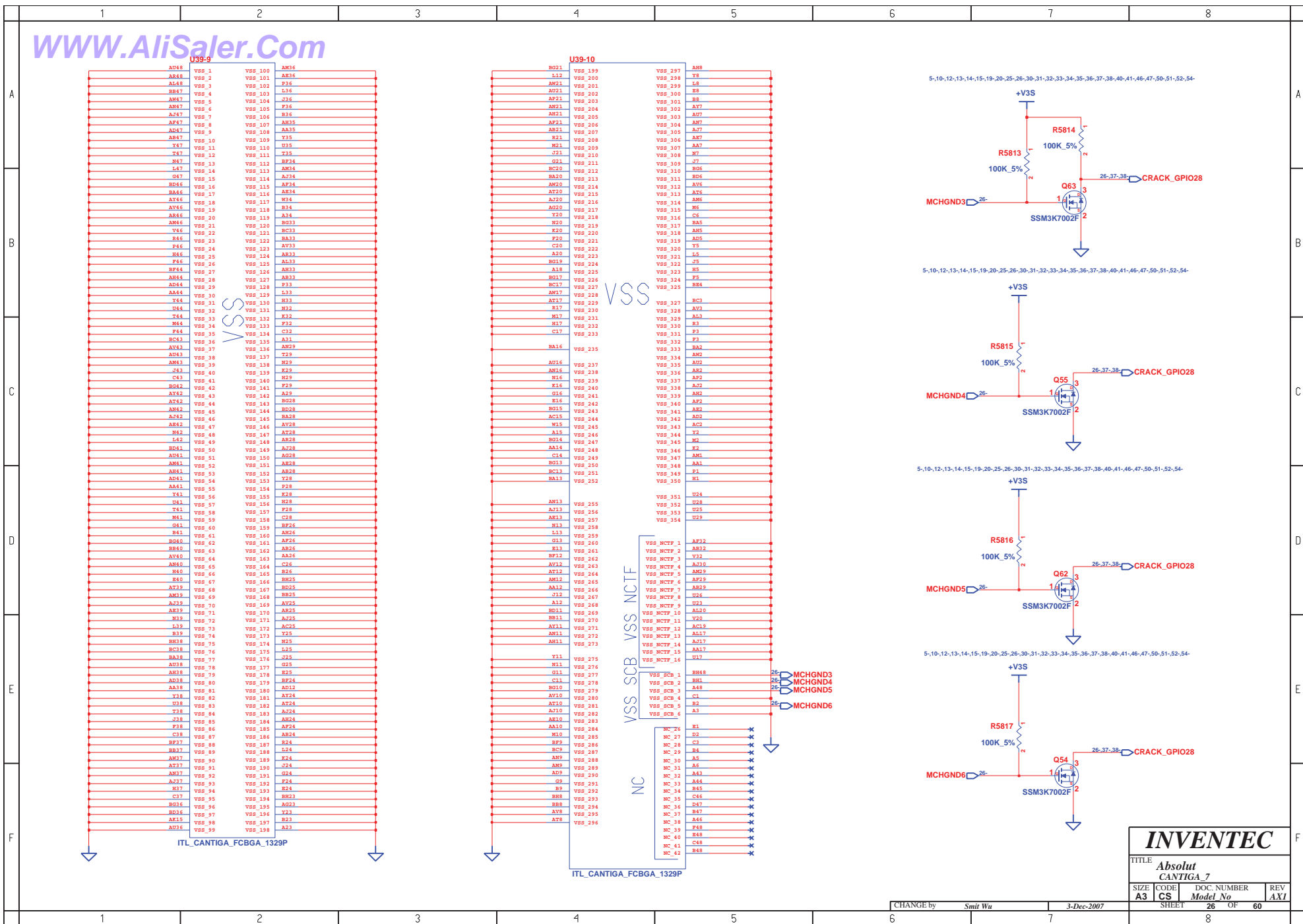
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Absolut
CANTIGA_5

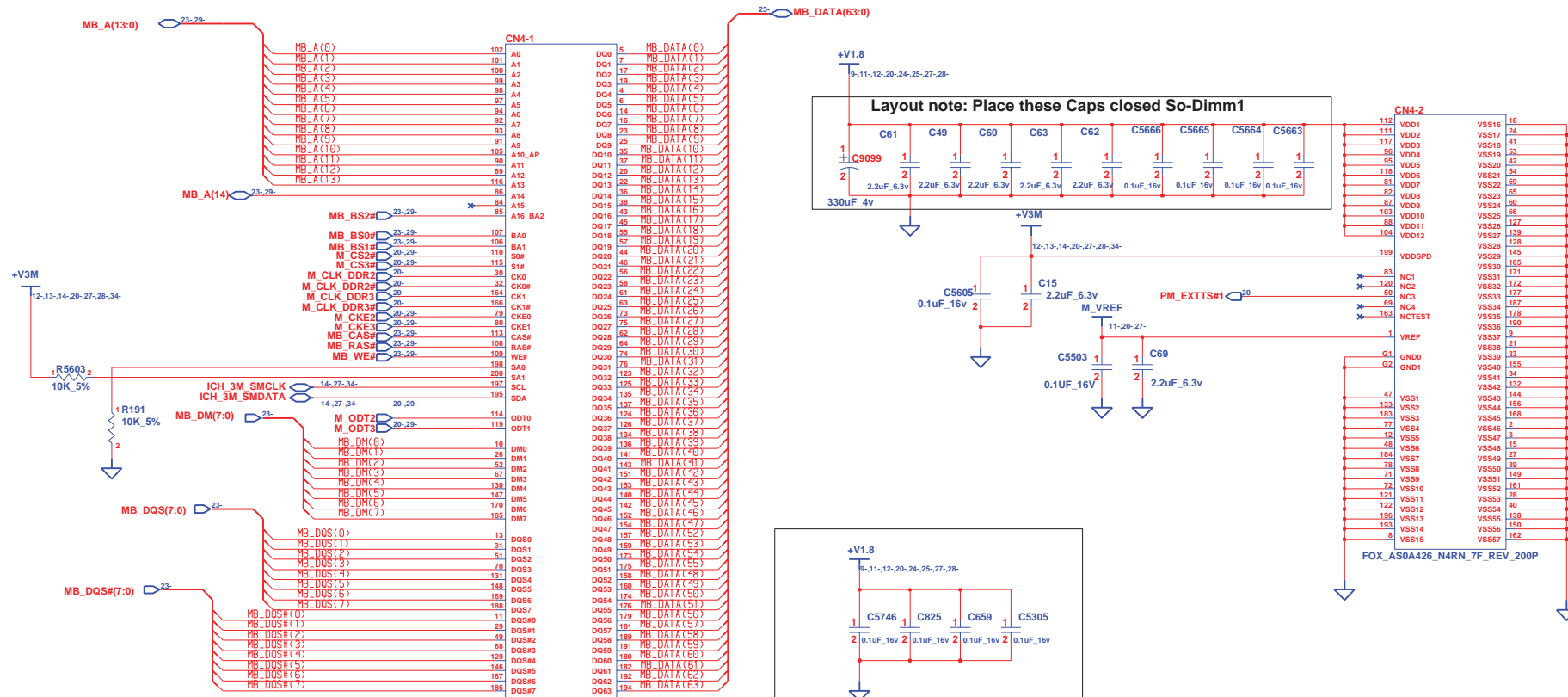
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A3 CS Model No 24 OF 60 100

CHANGE by Smit Wu 3-Dec-2007

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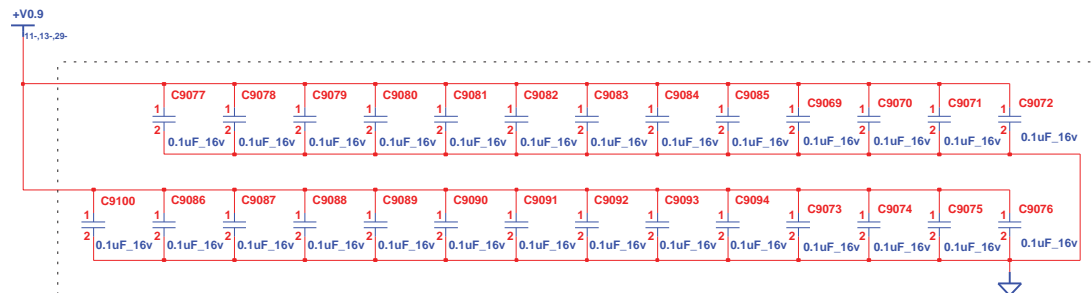




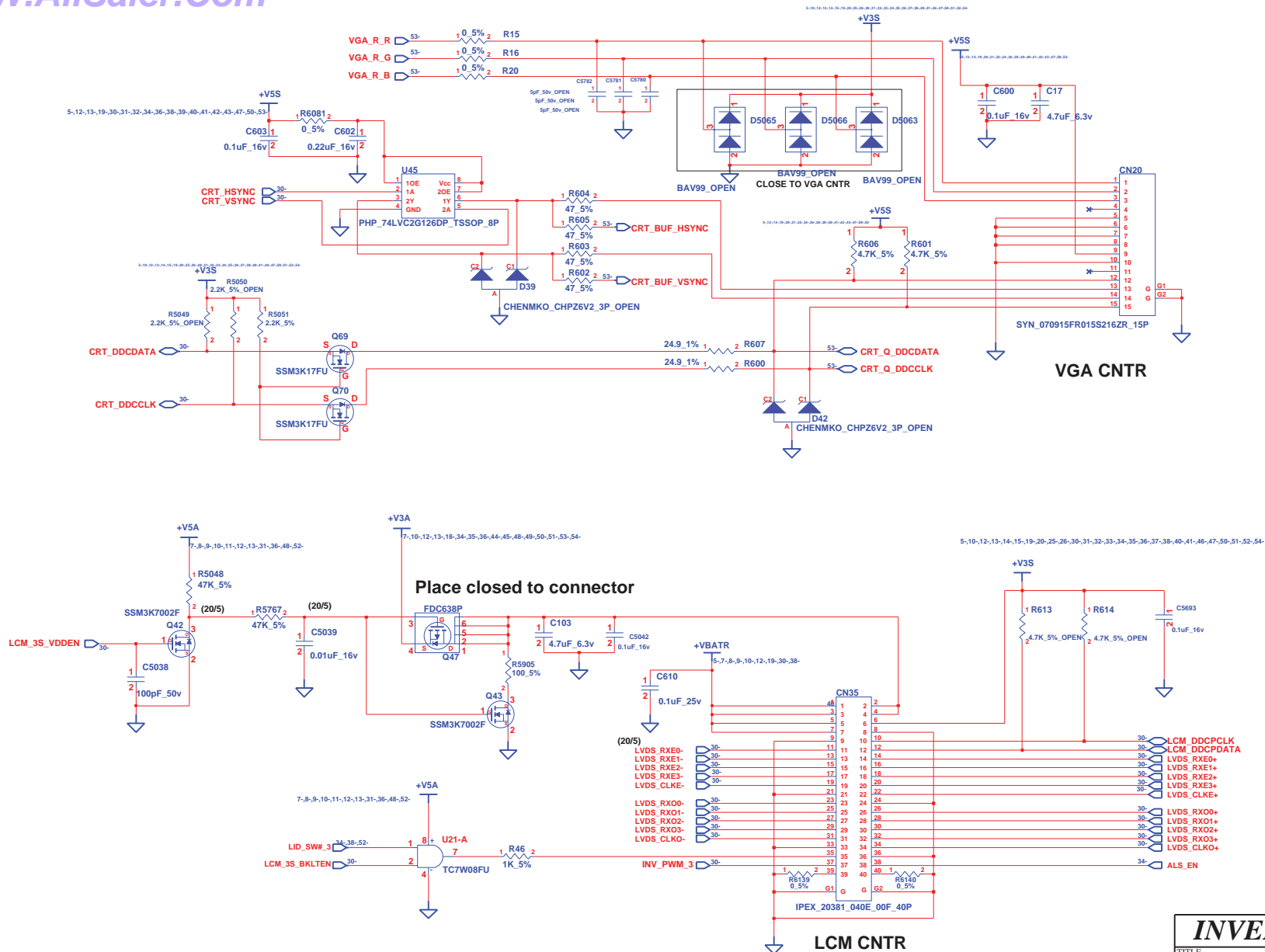
SO DIMM1 4.0mm Layout note: Place these Hi_Feq & Resistors closed GMCH

INVENTEC

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CHANGE by Smit Wu		3-Dec-2007	
SHEET 28 OF 60		8	

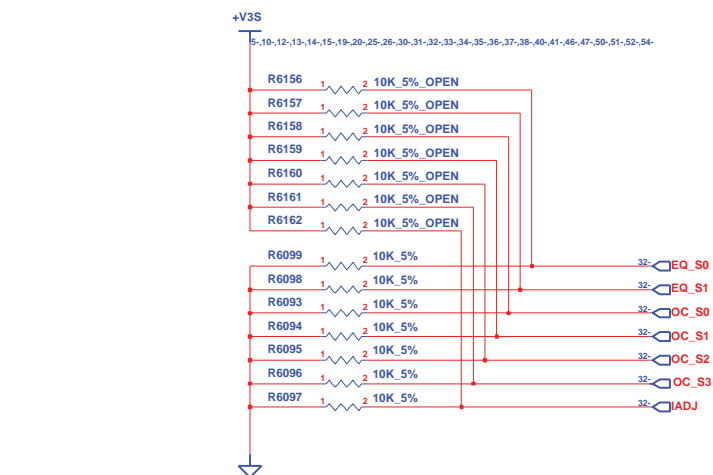
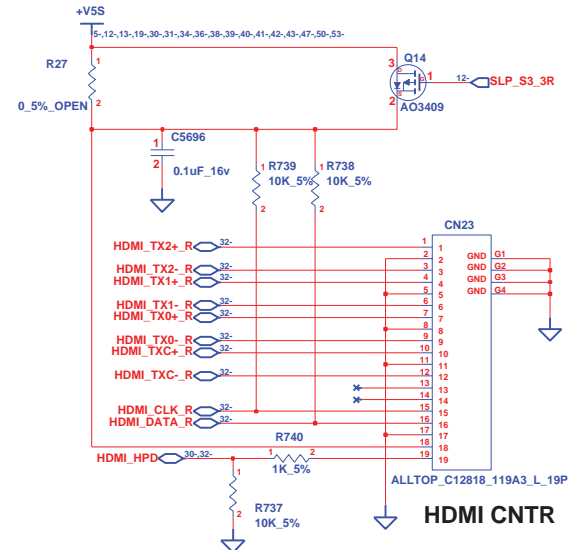


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TITLE Absolut DDR2			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV AXI
CHANGE by Smit Wu		3-Dec-2007	
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INVENTEC			
TITLE: Absolut			
VGA & LCM CNTR			
SIZE: A3	CODE: CS	DOC. NUMBER: Model No	REV: AX1
SHEET: 31	OF: 60		

CHANGE by: Smit Wu 3-Dec-2007



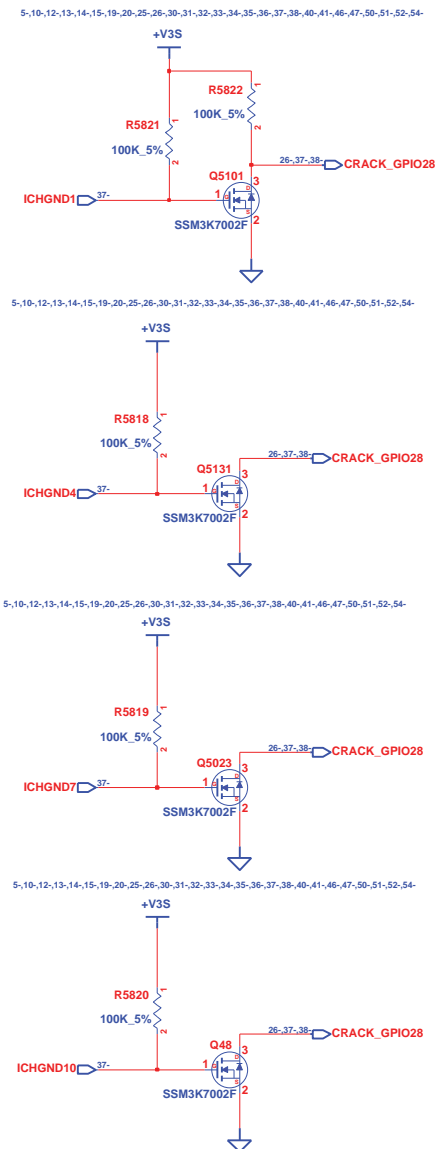
CHANGE by	<i>Smit Wu</i>	<i>3-Dec-2007</i>
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U31-5

AA26 VSS001 VSS107 H5
AA27 VSS002 VSS108 J23
AA3 VSS003 VSS109 J26
AA6 VSS004 VSS110 J27
AB1 VSS005 VSS111 AC22
AA23 VSS006 VSS112 K28
AB28 VSS007 VSS113 K29
AB29 VSS008 VSS114 L13
AB4 VSS009 VSS115 L15
AB5 VSS010 VSS116 L2
AC17 VSS011 VSS117 L27
AC26 VSS012 VSS118 L5
AC27 VSS013 VSS119 L5
AC3 VSS014 VSS120 L7
AD1 VSS015 VSS121 M12
AD10 VSS016 VSS122 M13
AD12 VSS017 VSS123 M14
AD13 VSS018 VSS124 M15
AD14 VSS019 VSS125 M16
AD17 VSS020 VSS126 M17
AD18 VSS021 VSS127 M22
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AD9 VSS029 VSS135 N16
AE12 VSS030 VSS136 N17
AE13 VSS031 VSS137 N18
AE14 VSS032 VSS138 N26
AE16 VSS033 VSS139 N27
AE17 VSS034 VSS140 P12
AE2 VSS035 VSS141 P13
AE20 VSS036 VSS142 P14
AE24 VSS037 VSS143 P15
AE3 VSS038 VSS144 P16
AE4 VSS039 VSS145 P17
AE6 VSS040 VSS146 P2
AE9 VSS041 VSS147 P23
AF13 VSS042 VSS148 P28
AF16 VSS043 VSS149 P29
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AF24 VSS045 VSS151 P7
AH26 VSS046 VSS152 R11
AF27 VSS047 VSS153 R12
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AF7 VSS050 VSS156 R16
AF9 VSS051 VSS157 R16
AG13 VSS052 VSS158 R17
AG16 VSS053 VSS159 R18
AG18 VSS054 VSS160 S28
AG20 VSS055 VSS161 T12
AG23 VSS056 VSS162 T13
AG3 VSS057 VSS163 T14
AG6 VSS058 VSS164 T15
AG9 VSS059 VSS165 T16
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AH28 VSS067 VSS173 U16
AH6 VSS068 VSS174 U17
AH9 VSS069 VSS175 AD23
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AJ14 VSS071 VSS177 U27
AJ17 VSS072 VSS178 U3
AJ8 VSS073 VSS179 V1
B11 VSS074 VSS180 V13
B14 VSS075 VSS181 V15
B17 VSS076 VSS182 V23
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B20 VSS078 VSS184 V29
B23 VSS079 VSS185 V4
B5 VSS080 VSS186 V5
B8 VSS081 VSS187 W26
C26 VSS082 VSS188 W27
C27 VSS083 VSS189 W3
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E14 VSS085 VSS191 Y28
E18 VSS086 VSS192 Y29
E2 VSS087 VSS193 Y4
E21 VSS088 VSS194 Y5
E24 VSS089 VSS195 AG28
E5 VSS090 VSS196 AH6
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F16 VSS092 VSS198 B23
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VSS_NCTF2 A2
VSS_NCTF3 A28
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VSS_NCTF5 AH1
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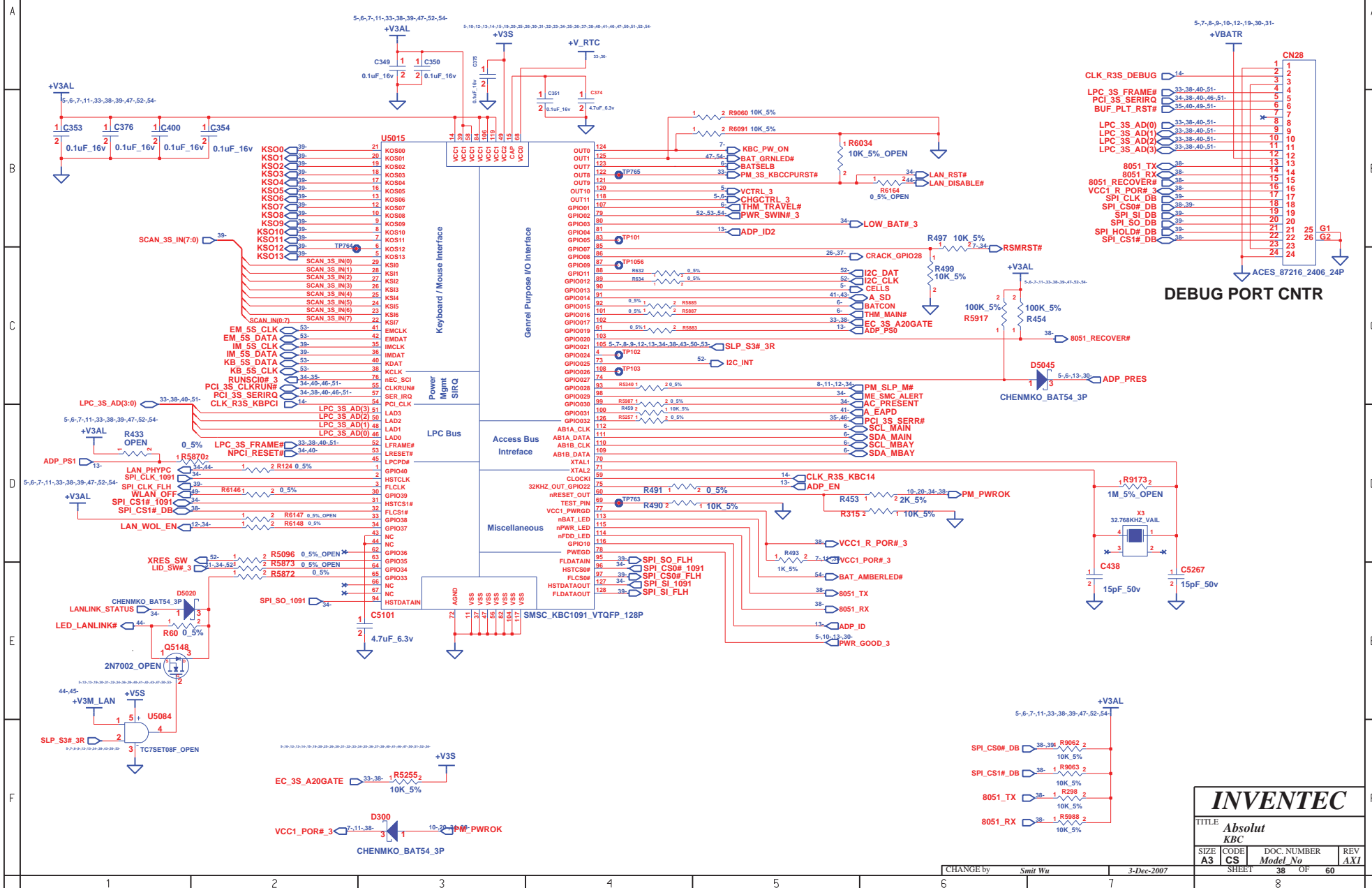
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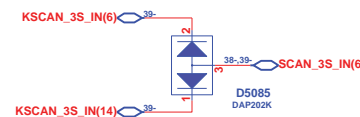
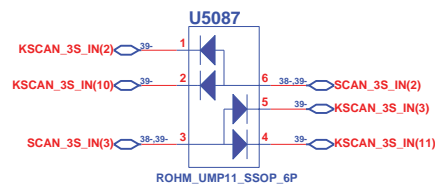
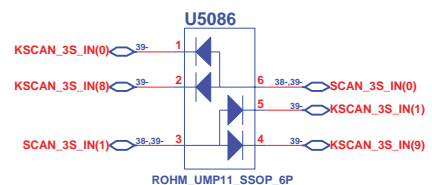
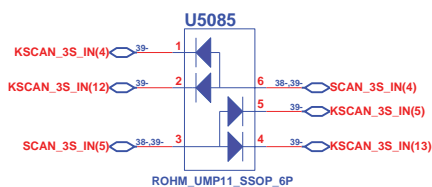
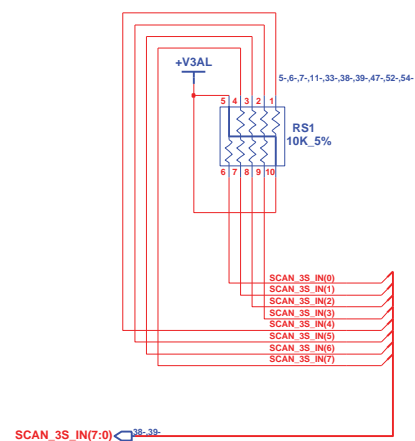
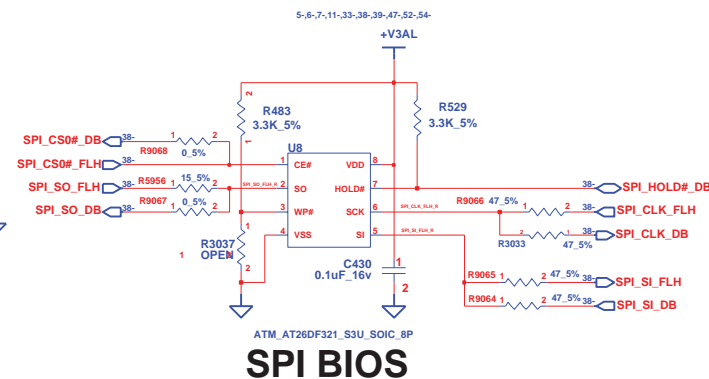
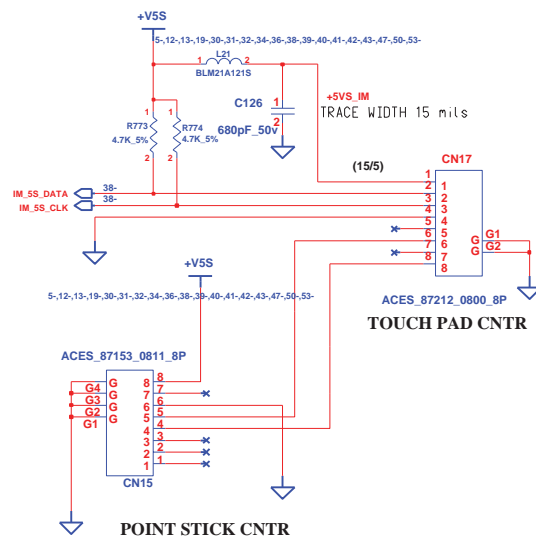
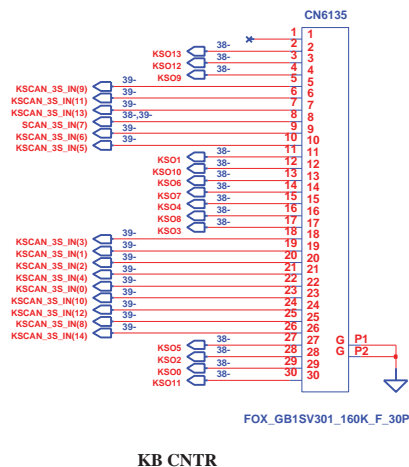
TITLE
Absolut
ICH9 5

SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	AX1

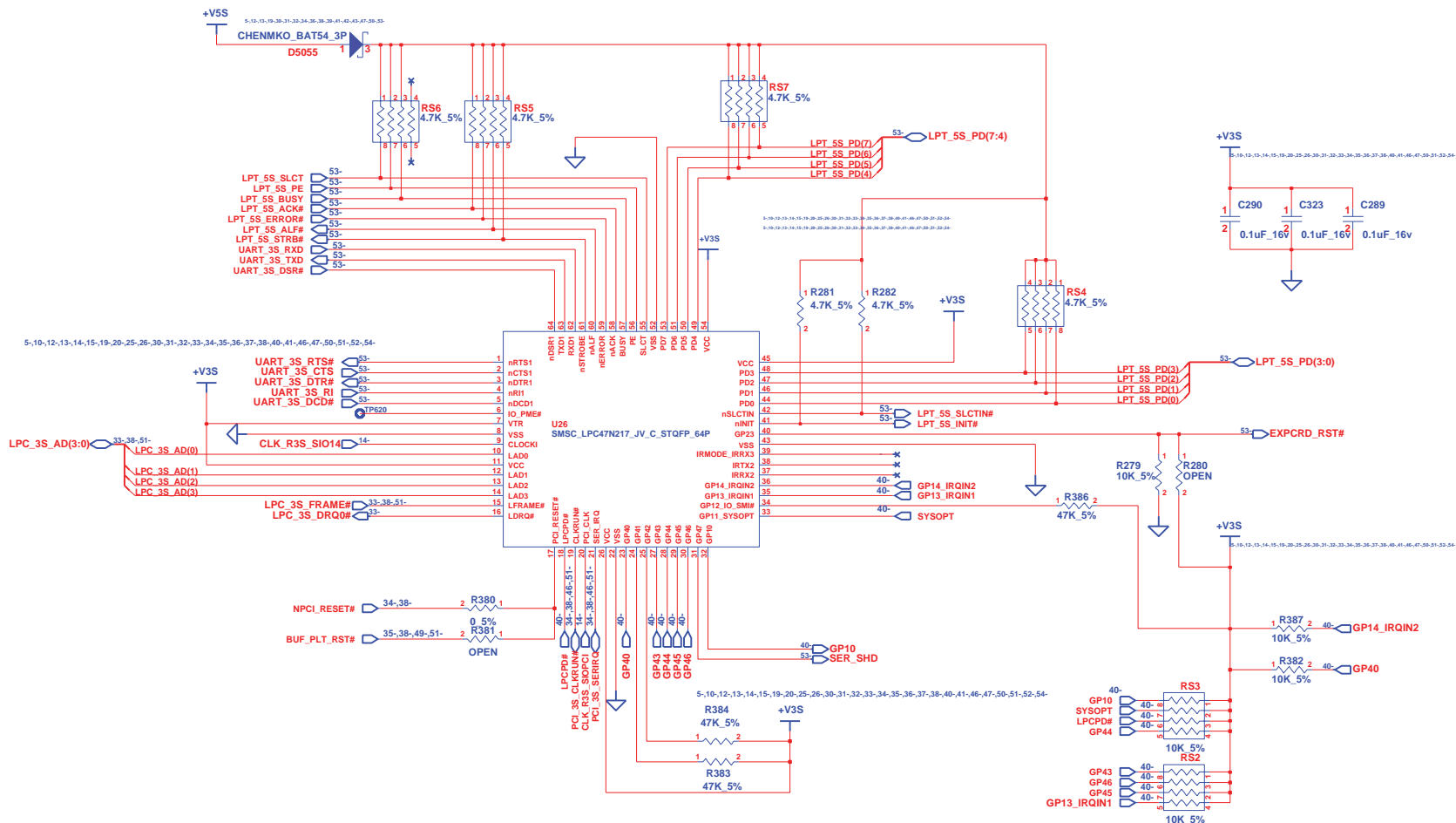
CHANGE by *Smir Wu* 3-Dec-2007

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INVENTEC				
TITLE: Absolut				
SPI / KB / TP / POINT STICK				
SIZE: A3	CODE: CS	DOC. NUMBER: Model No	REV: AXI	
CHANGE by: Smit Wu		3-Dec-2007		
SHEET: 39		OF: 60		



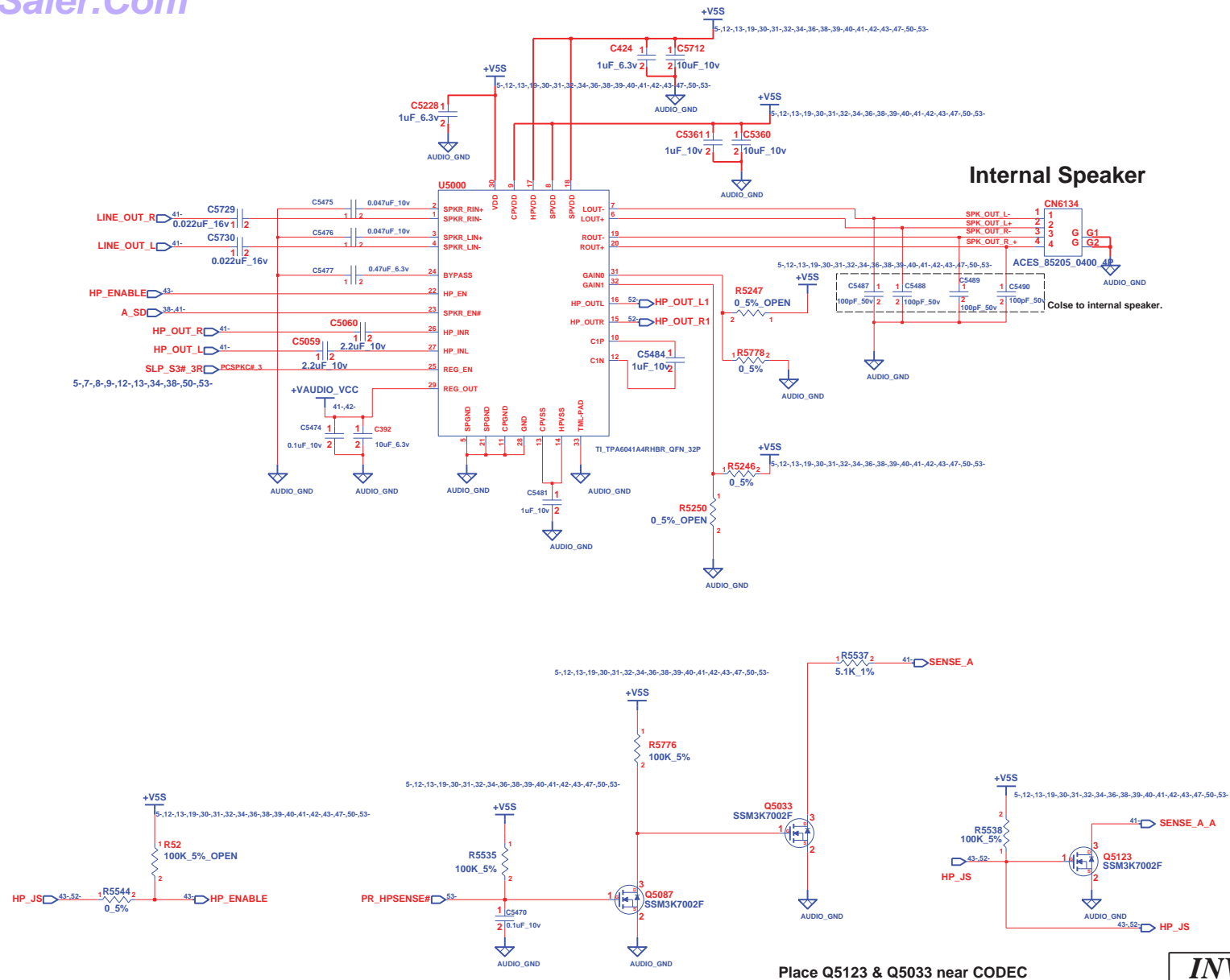
INVENTEC

TITLE
**Absolut
SUPER I/O**

SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	AXI

CHANGE by *Smir Wu* 3-Dec-2007

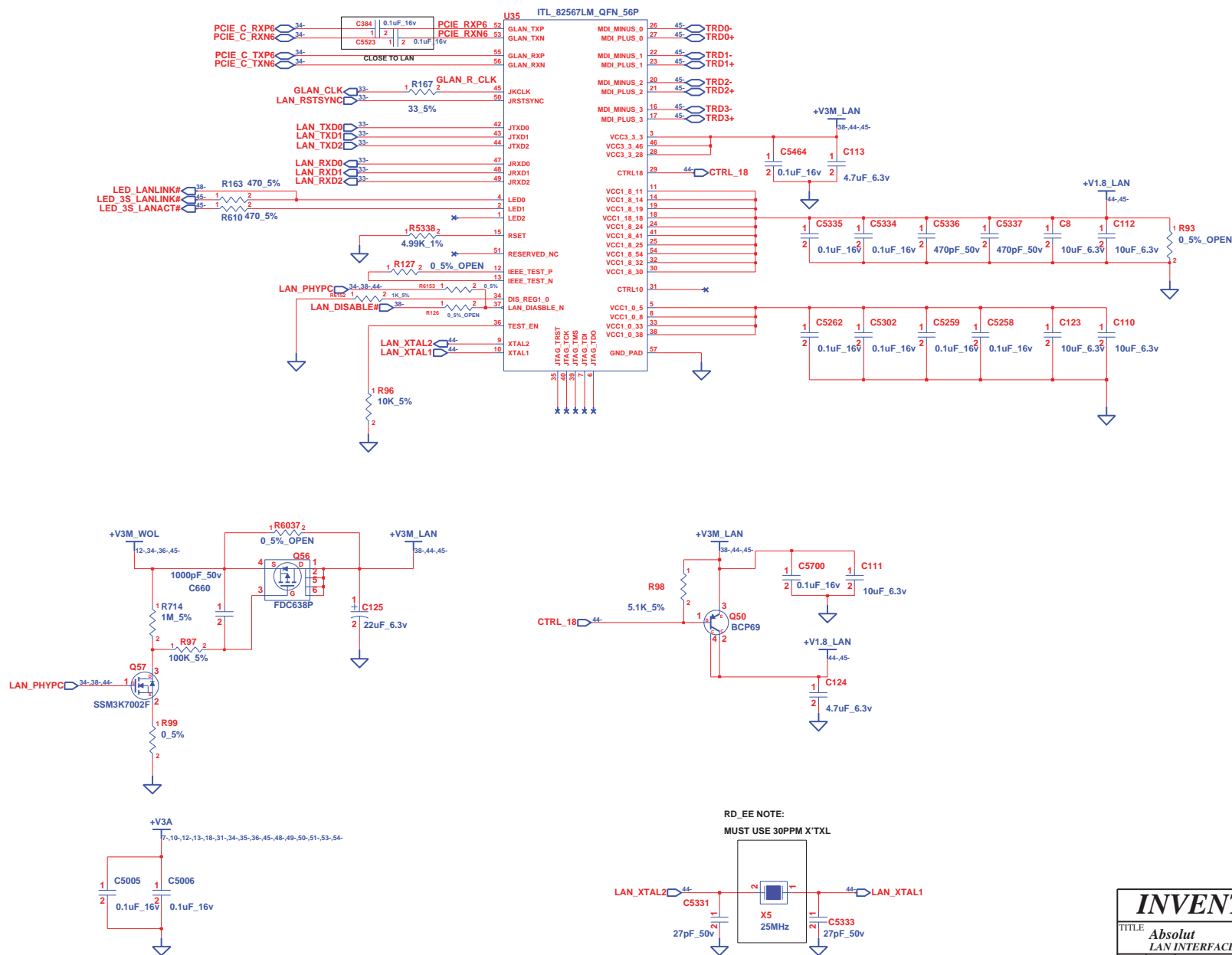
SHEET 40 OF 60

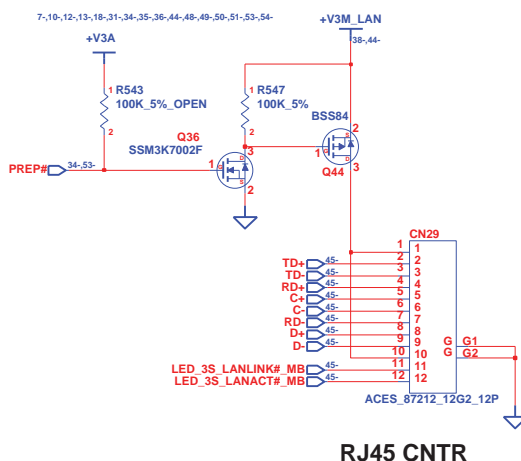
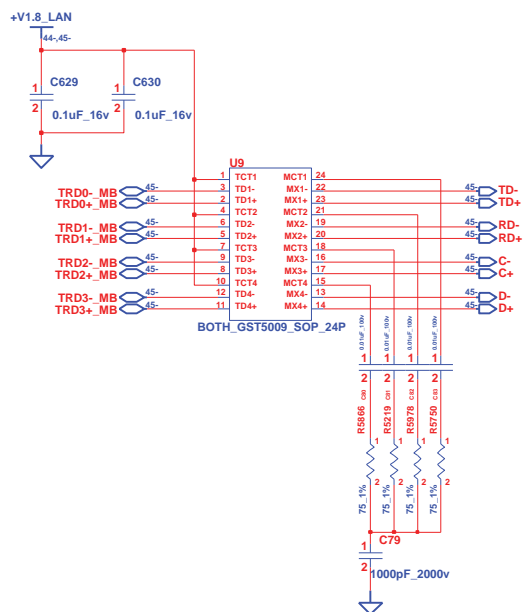
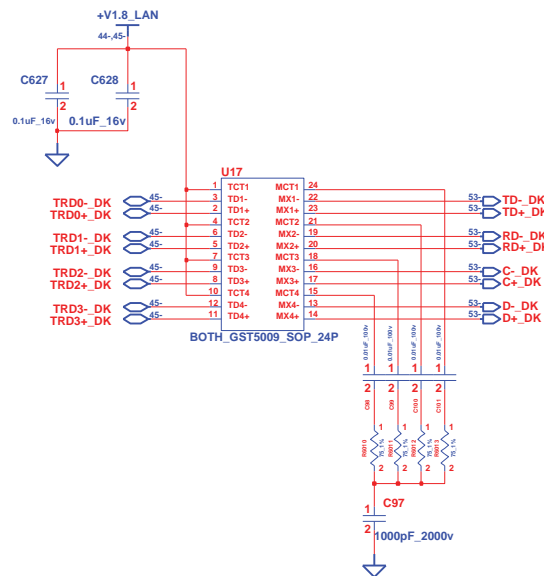
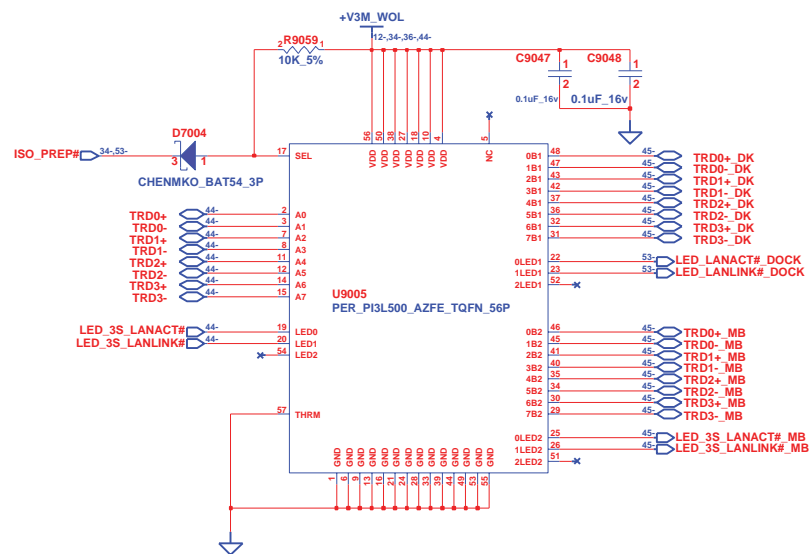


INVENTEC

TITLE
Absolut
AUDIO AMP & HP JACK

CHANGE by Smi Wu 3-Dec-2007 SHEET 43 OF 60

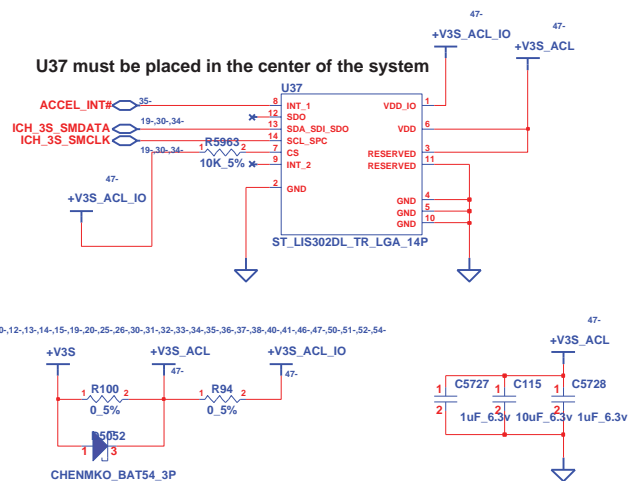




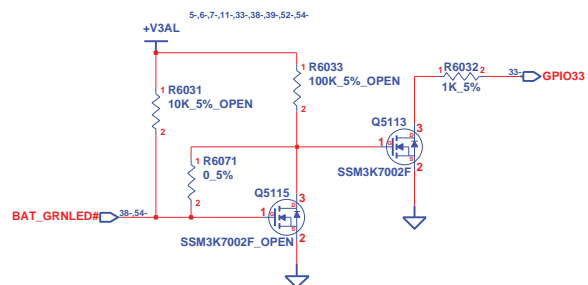
RJ45 CNTR

INVENTEC				
TITLE				
Absolut LAN RJ45 CONN				
SIZE	CODE	DOC. NUMBER	REV	
A3	CS	Model No	AXI	
CHANGE by		Smit Wu	3-Dec-2007	
SHEET		45	OF	60

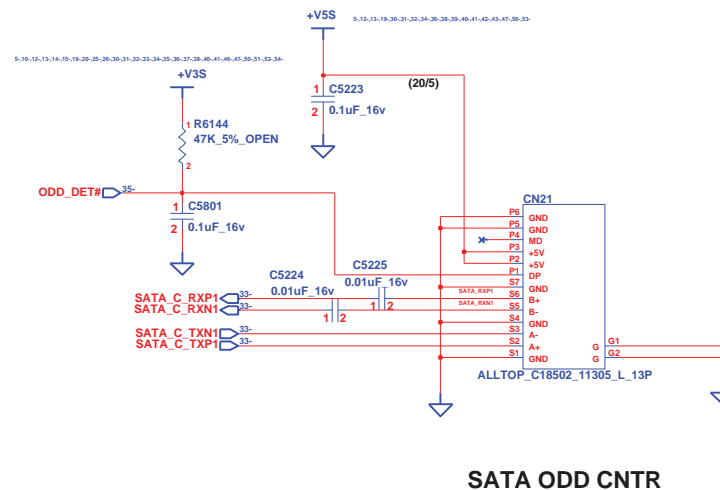




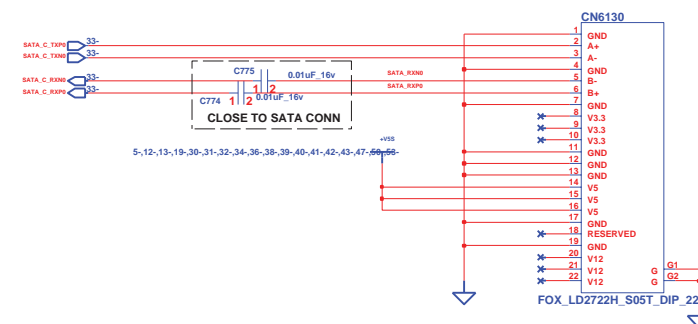
HARDDRIVE PROTECTION



AMT ME Override Function



SATA ODD CNTR

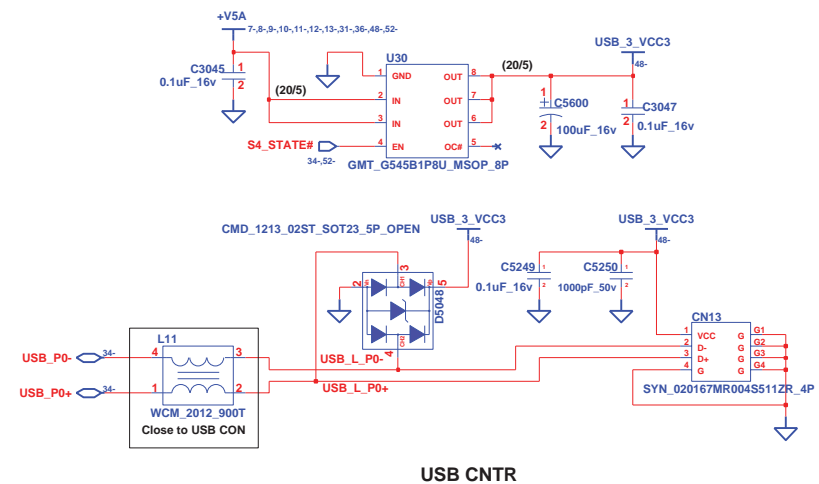
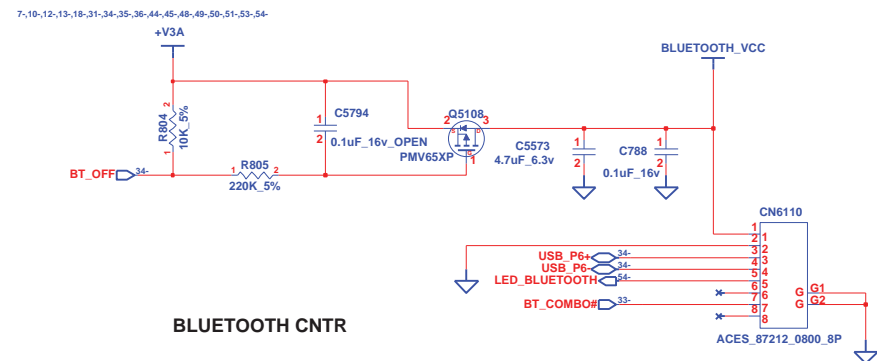
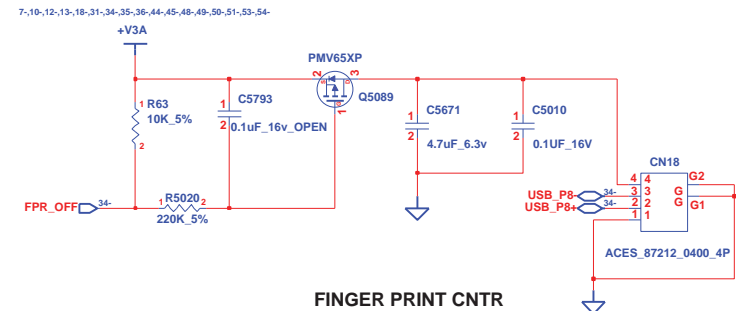
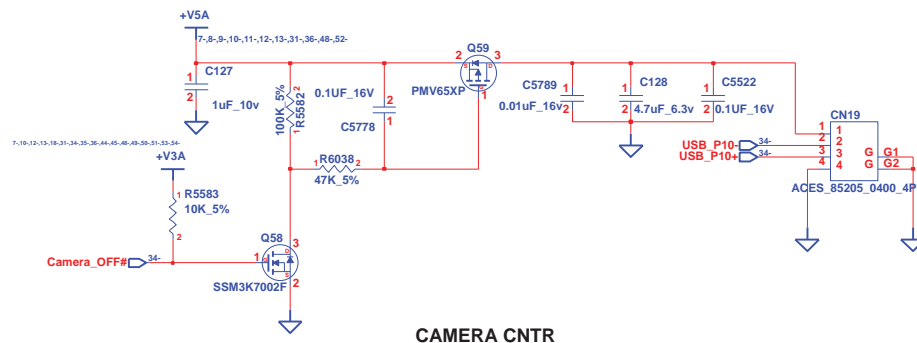


SATA HDD CNTR

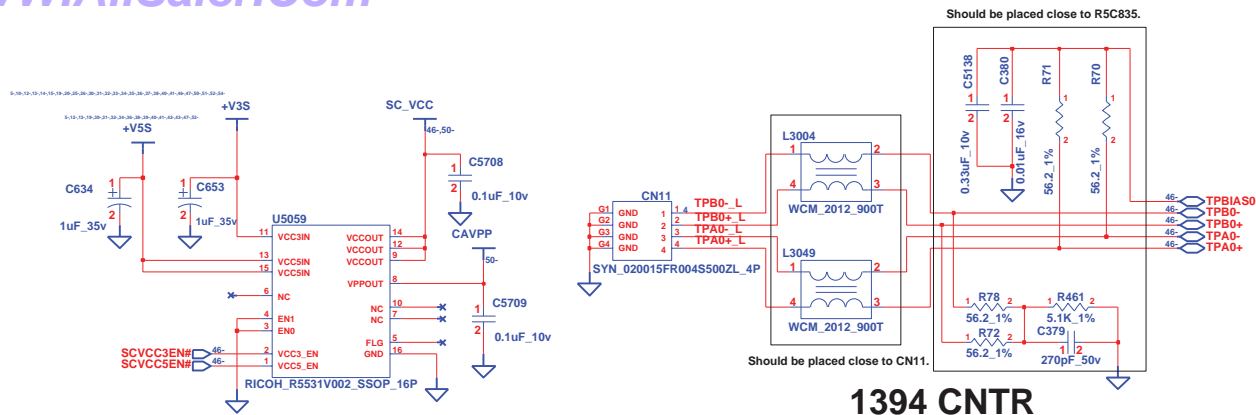
INVENTEC			
TITLE			
Absolut			
HD PORTECTION/AMT ME/SATA			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	AXI

CHANGE by Smit Wu 3-Dec-2007

SHEET 47 OF 60



INVENTEC			
TITLE			
Absolut			
CAMERA / FP / BT / USB CNTR			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	AXI
CHANGE by		3-Dec-2007	
Smit Wu			
SHEET		48	OF 60

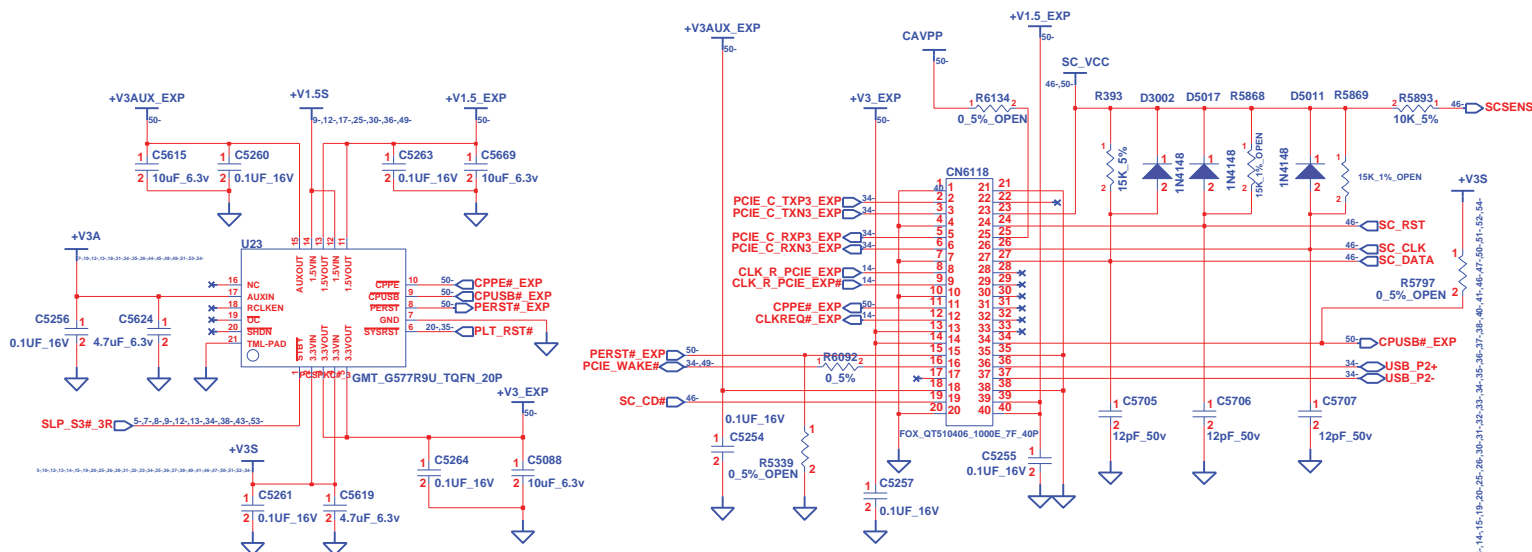


Layout notes:

1394

-----	GND
-----	TPB0-
-----	TPB0+
-----	GND
-----	TPA0-
-----	TPA0+
-----	GND

1394 CNTR



PIN definition of CN6118

1. GND	21. GND. SC
2. PETP0	22. NC. SC
3. PETP0	23. VCC. SC
4. GND	24. RST. SC
5. PERP0	25. VPP. SC
6. PERP0	26. CLK. SC
7. GND	27. IO. SC
8. REFCLK+	28. RES. SC
9. REFCLK-	29. RES. SC
10. GND	30. SMBDATA
11. CPPE#	31. SMB. CLK
12. CLKREQ#	32. RESERVED
13. +3.3V	33. RESERVED
14. +3.3V	34. CPUSB#
15. PERST#	35. GND
16. WAKER	36. USB+
17. NC	37. USB-
18. +3.3VAUX	38. GND
19. SW. SC	39. +1.5V
20. GND. SC	40. +1.5V

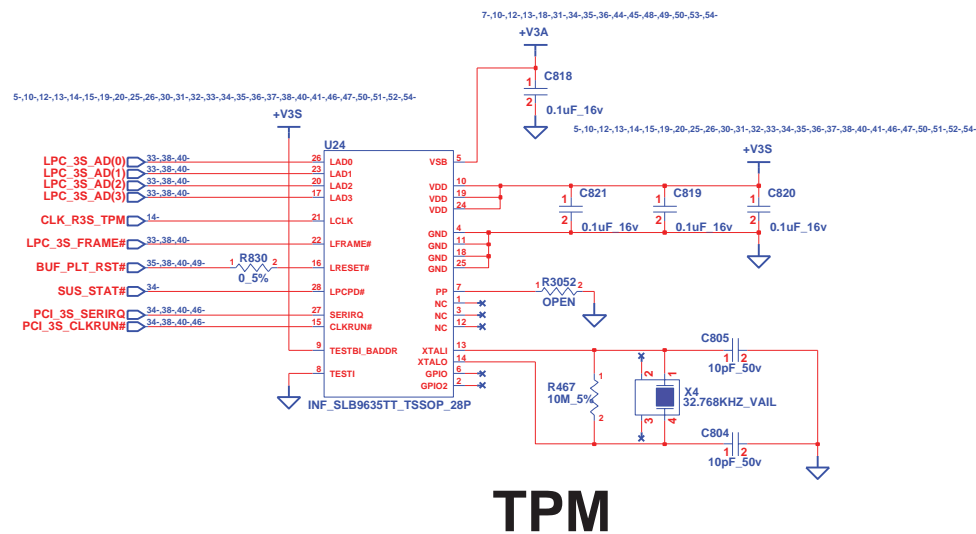
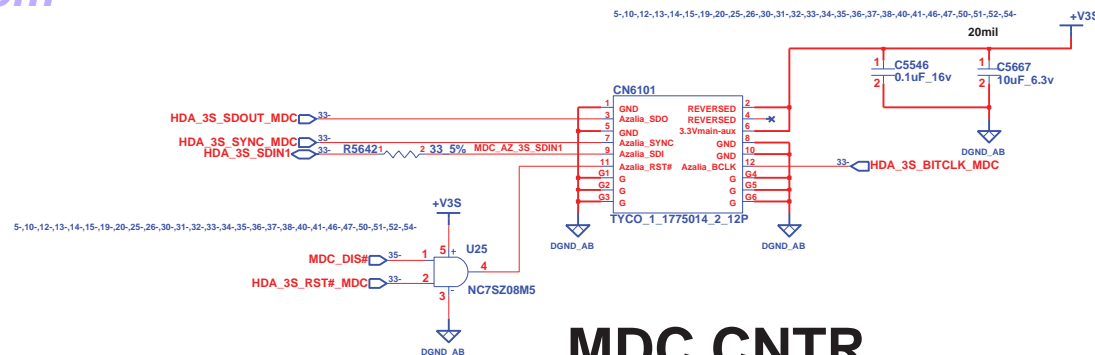
EXPRESS CARD & SMART CARD

INVENTEC

TITLE			
Absolut			
1394/EXPRESS CARD/ SC CNTR			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	AXI

CHANGE by Smir Wu 3-Dec-2007

SHEET 50 OF 60

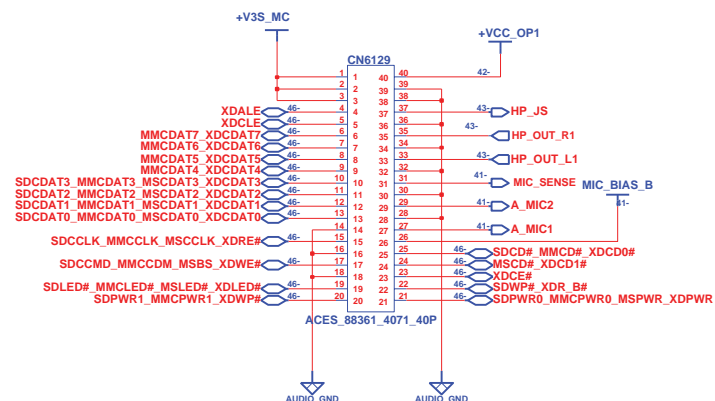


INVENTEC

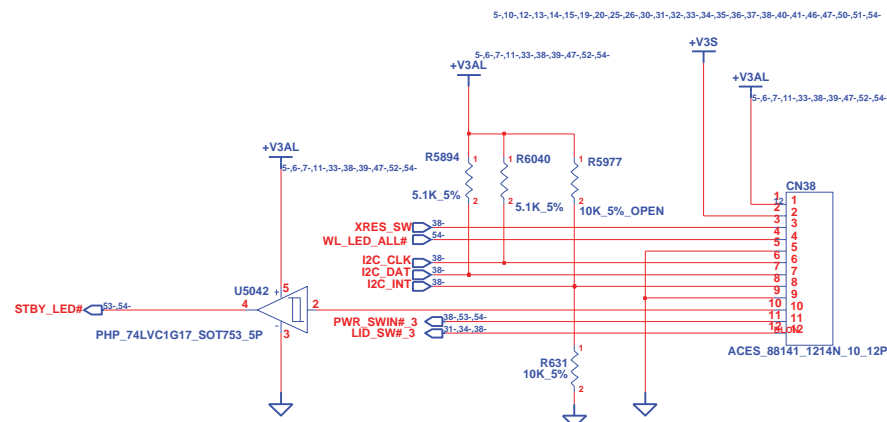
TITLE Absolut MDC / TPM			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV AX1

CHANGE by *Smit Wu* 3-Dec-2007

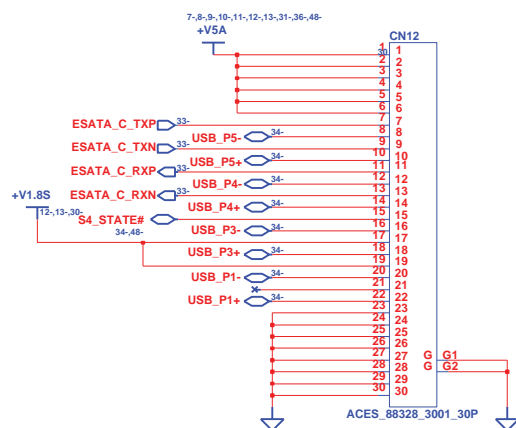
SHEET 51 OF 60



7IN1 MEDIA SOCKET / AUDIO JACK - BOARD CNTR

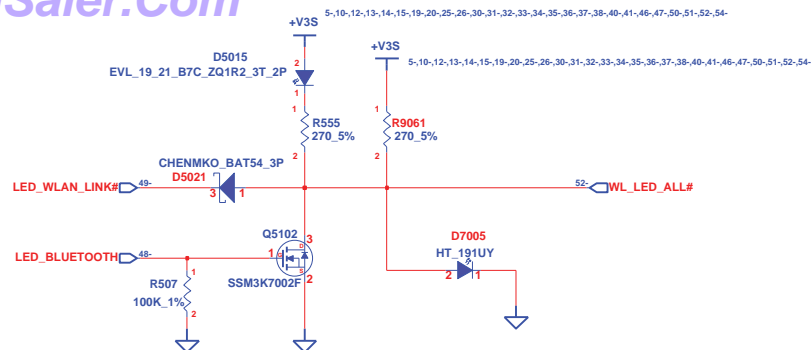


CAP SENSE - BOARD CNTR

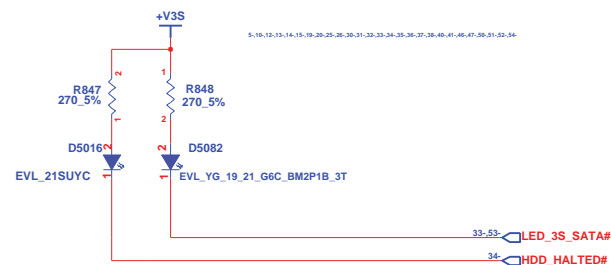


USB/ESATA - BOARD CNTR

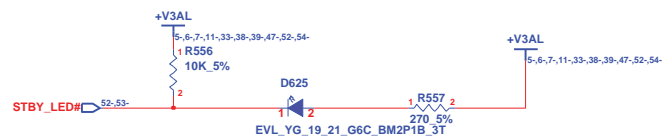
INVENTEC			
TITLE Absolut DB CNTR			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV AXI
CHANGE by Smit Wu		3-Dec-2007	
SHEET 52		OF 60	



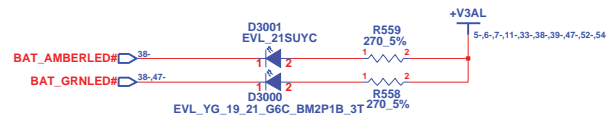
WLAN_WWAN_BLUETOOTH LED



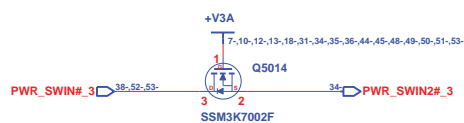
HDD & ODD LED



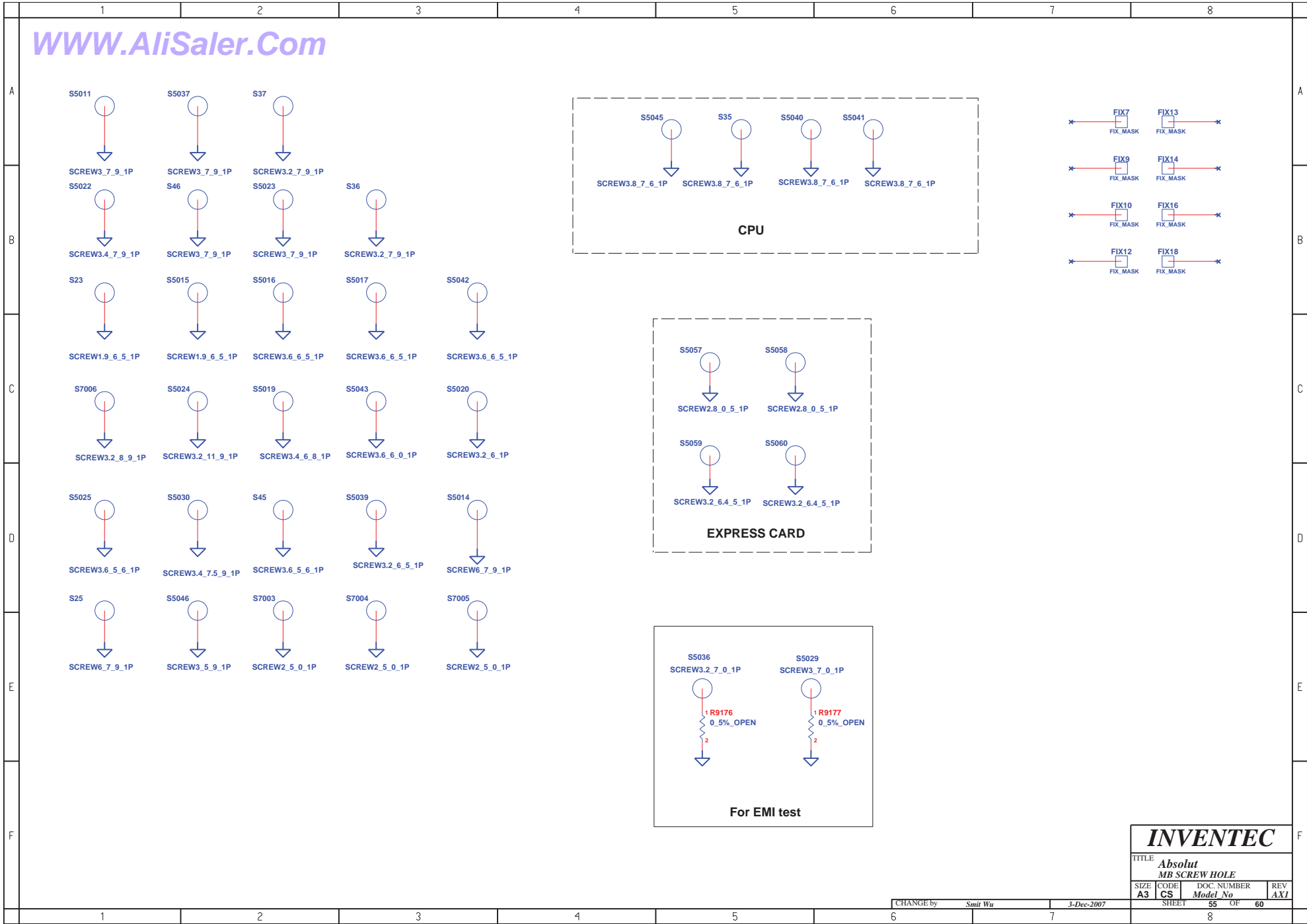
POWER / STANDBY LED

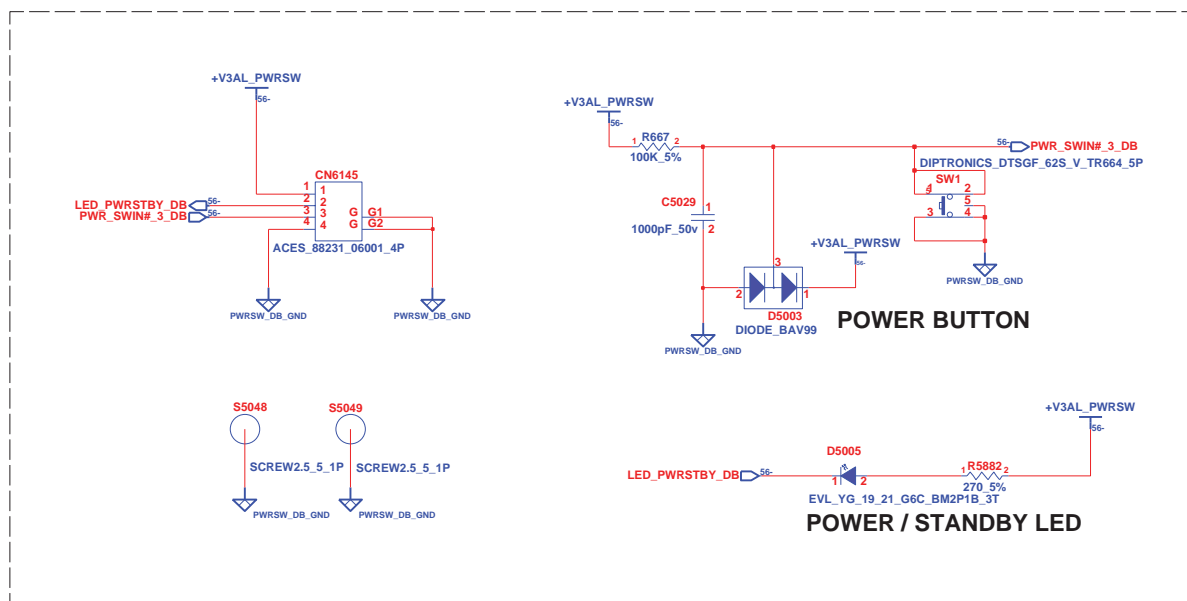


BATTERY-CHARGE LED



INVENTEC			
TITLE Absolut MB LEDs			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV AXI
CHANGE by Smit Wu		3-Dec-2007	
SHEET 54		OF 60	





Daughter Board - Power Button

INVENTEC			
TITLE			
Absolut TPM V1.2			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	AXI

CHANGE by Smit Wu 3-Dec-2007

SHEET 56 OF 60

WWW.AliSaler.Com

WWW.AliSaler.Com

WWW.AliSaler.Com

ESATA CNTR

USB CNTR

Daughter Board - USB Port & eSATA

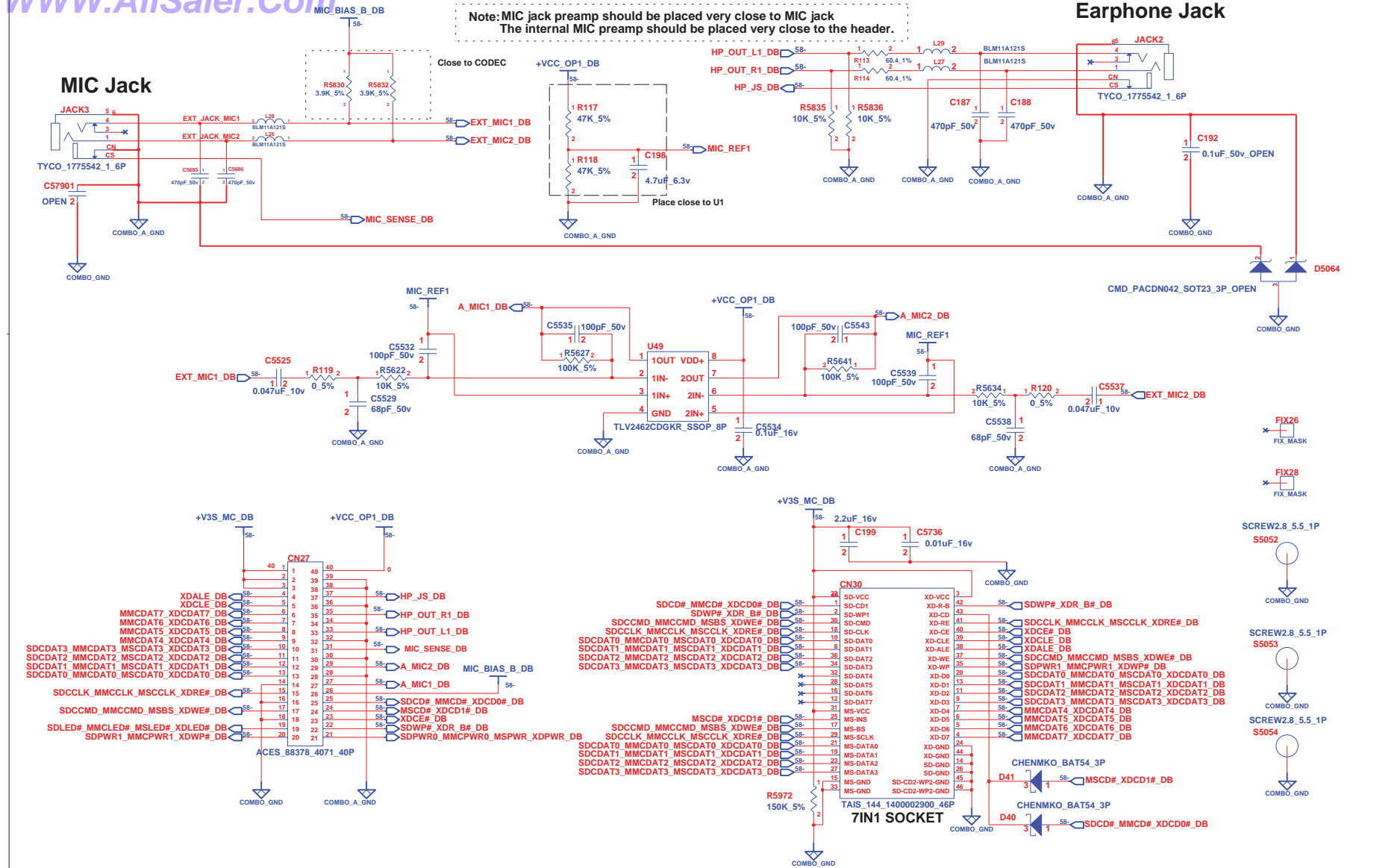
INVENTEC

Absolut DB- USB/ESATA

SHEET 8 OF 60

WWW.AliSaler.Com

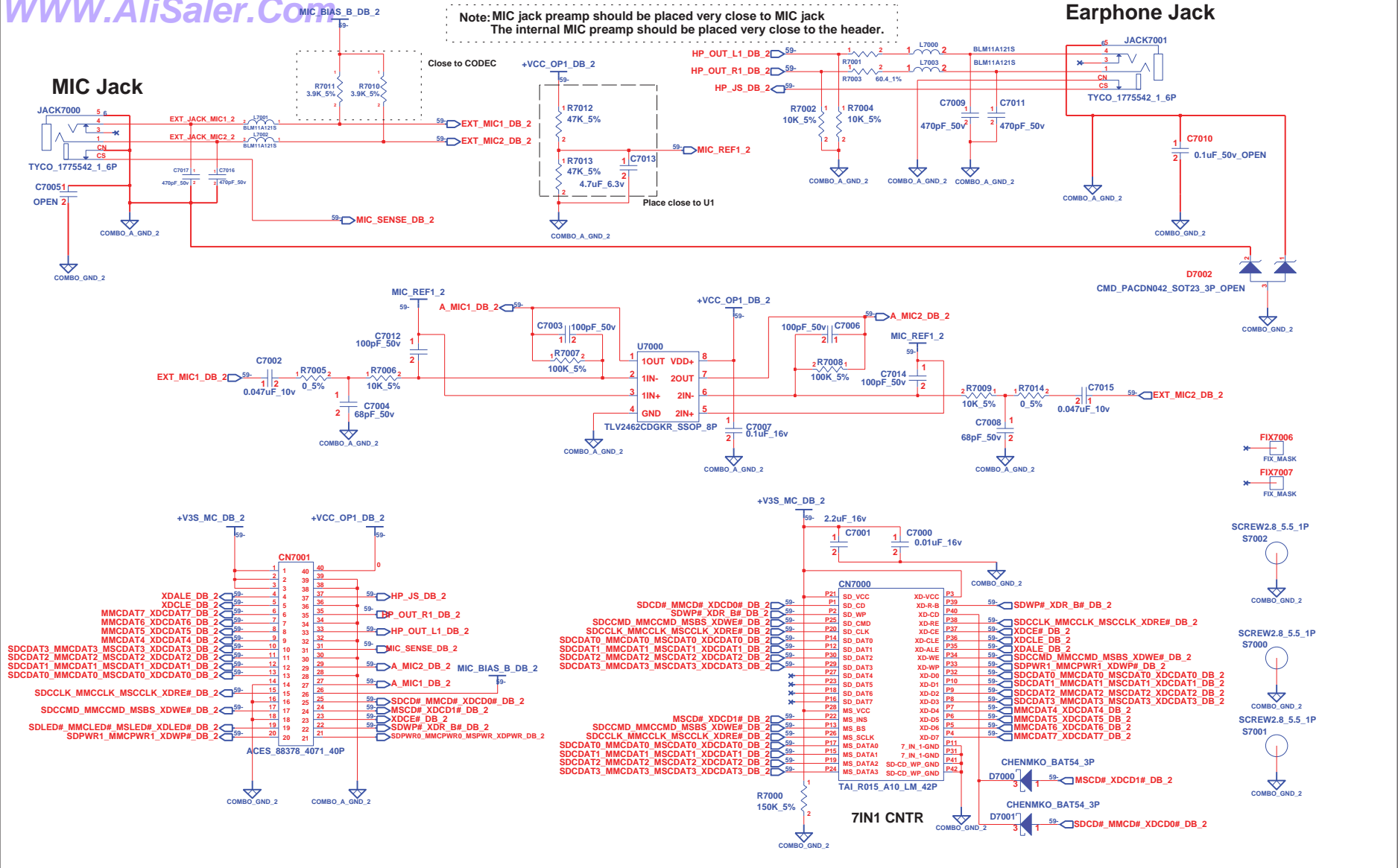
WWW.AliSaler.Com



Daughter Board - 7 in 1 Media Socket (TAISOL) & Audio Jack

INVENTEC

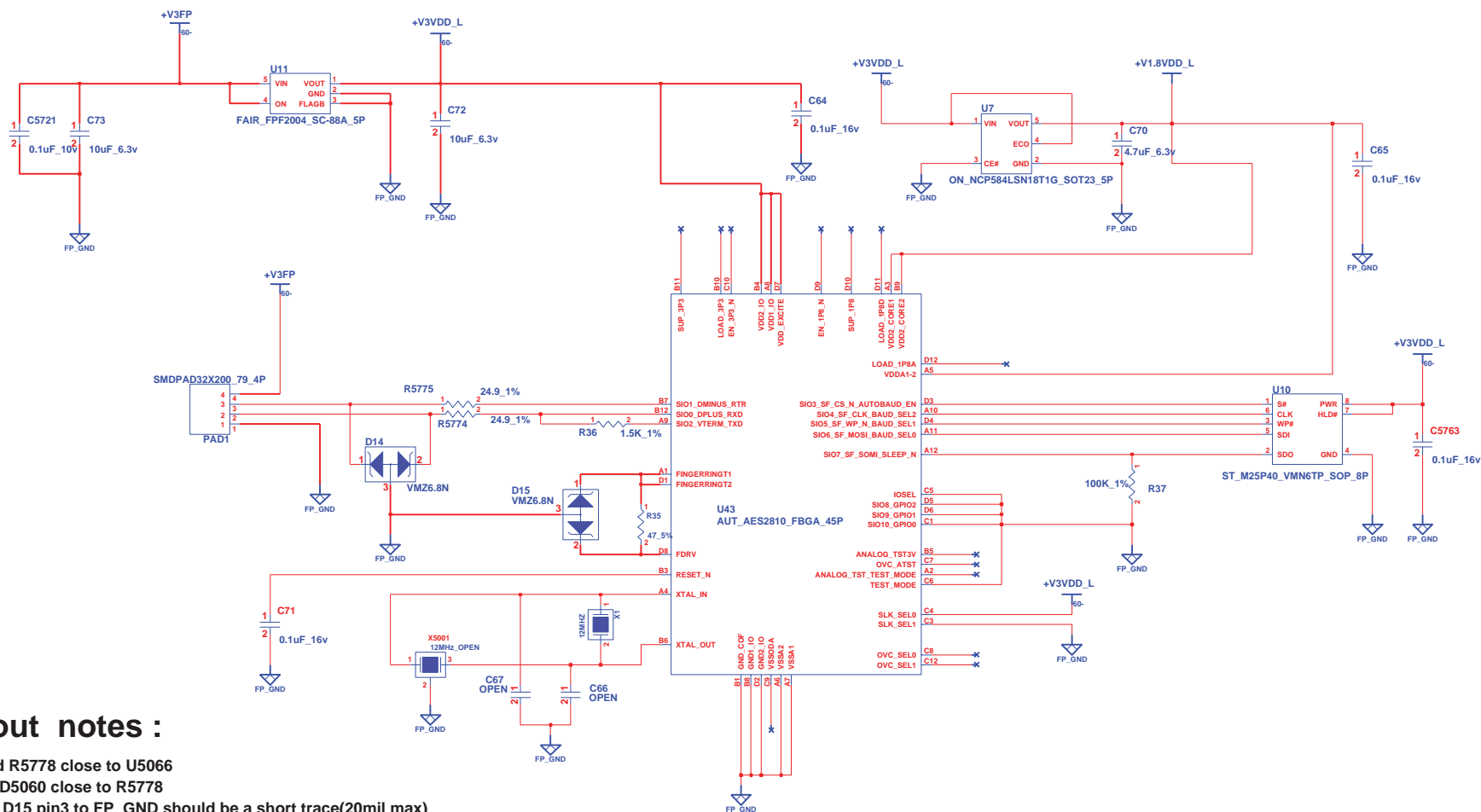
TITLE <i>Absolut</i>			
DB- MEDIA SOCKET/ AUDIO JACK			
SIZE A3	CODE CS	DOC. NUMBER <i>Model No</i>	REV <i>AXI</i>



Daughter Board - 7 in 1 Media Spcket (TAITWUN) & Audio Jack

INVENTEC

TITLE <i>Absolut</i>			
DB- MEDIA SOCKET / AUDIO JACK			
SIZE A3	CODE CS	DOC. NUMBER <i>Model No</i>	REVISION <i>A</i>



Layout notes :

1. Placed R5778 close to U5066
2. Place D5060 close to R5778
3. D14 & D15 pin3 to FP_GND should be a short trace(20mil max) using three via to connect to FP_GND

Daughter Board - Finger Print

INVENTEC

TITLE Absolut DB- FingerPrint			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV AX1

CHANGE by *Smit Wu* 3-Dec-2007

SHEET 60 OF 60