

Table of Contents

Page

5- DC & Baattery Charger
6- Select & Battery CONN
7- +V5A & +V3A
8- OCP
9- +V1.1S_NB & +VTT_CPU
10- +VCC_CORE & +VCC_CORE_NB
11- +V1.1A
12- +V1.5 & +V_MVREF (for DDR3) , +V1.8S
13- +V5S,+V3S,+V2.5S,+V1.5S,+V1.1S,+V1.1S_VGA
14- +VDD_CORE & Power Sequence

Page

15- Blank
16- CPU-1 (S1g4)
17- CPU-2 (S1g4)
18- CPU-3 (S1g4)
19- CPU-4 (S1g4)
20- DDR3 DIMM0 (5.2mm)
21- DDR3 DIMM1 (9.2mm)
22- Blank
23- Thermal(system) & Fan Controller
24- NB-1 (RS880M)
25- NB-2 (RS880M)
26- NB-3 (RS880M)
27- NB-4 (RS880M)
28- GPU-1 (M93)
29- GPU-2 (M93)
30- GPU-3 (M93)
31- GPU-4 (M93)
32- VRAM (gDDR3)-1
33- VRAM (gDDR3)-2
34- VGA CONN
35- LED-LCD CONN & WebCAM CONN
36- SB-1 (SB820)
37- SB-2 (SB820)
38- SB-3 (SB820)
39- SB-4 (SB820)

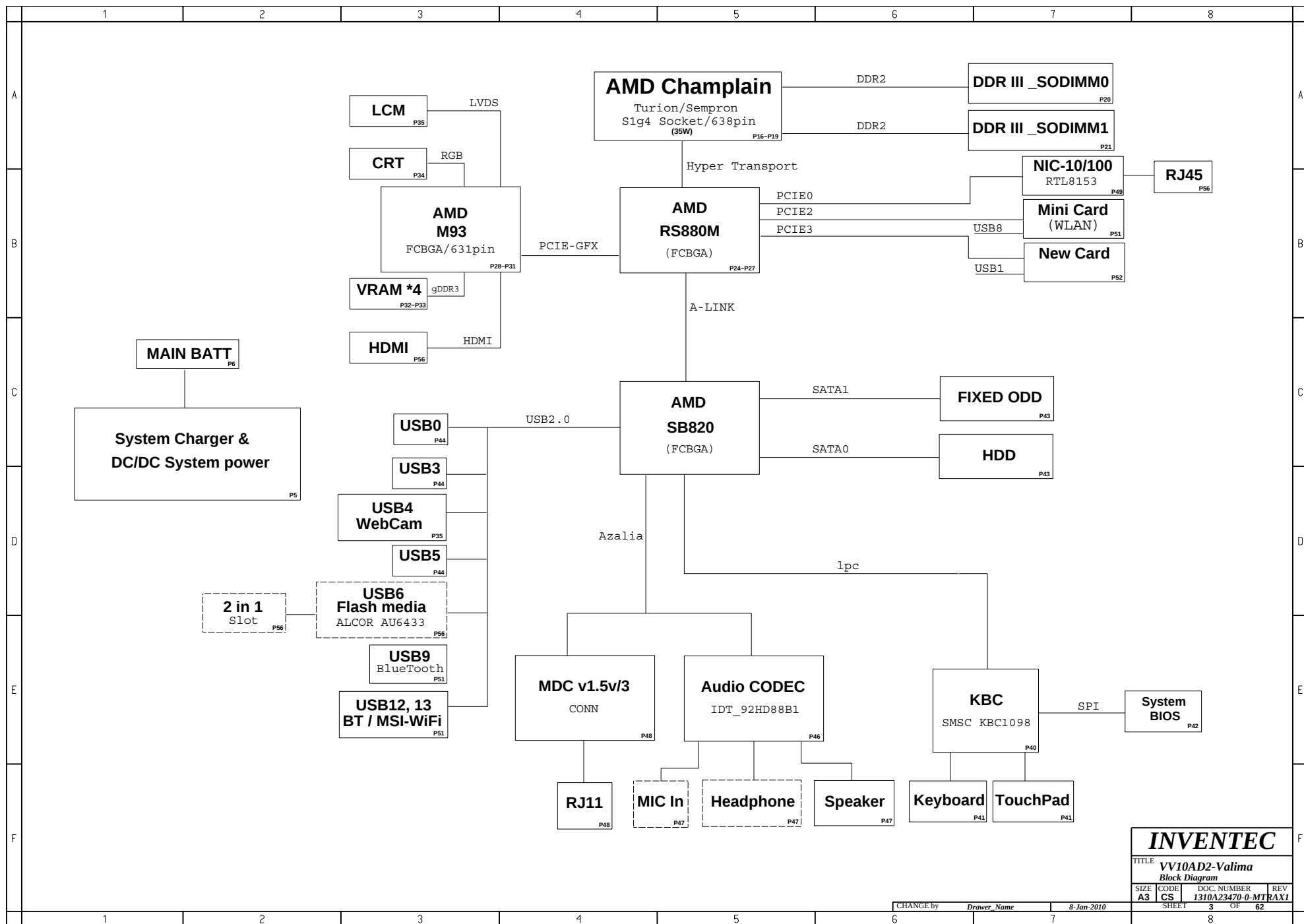
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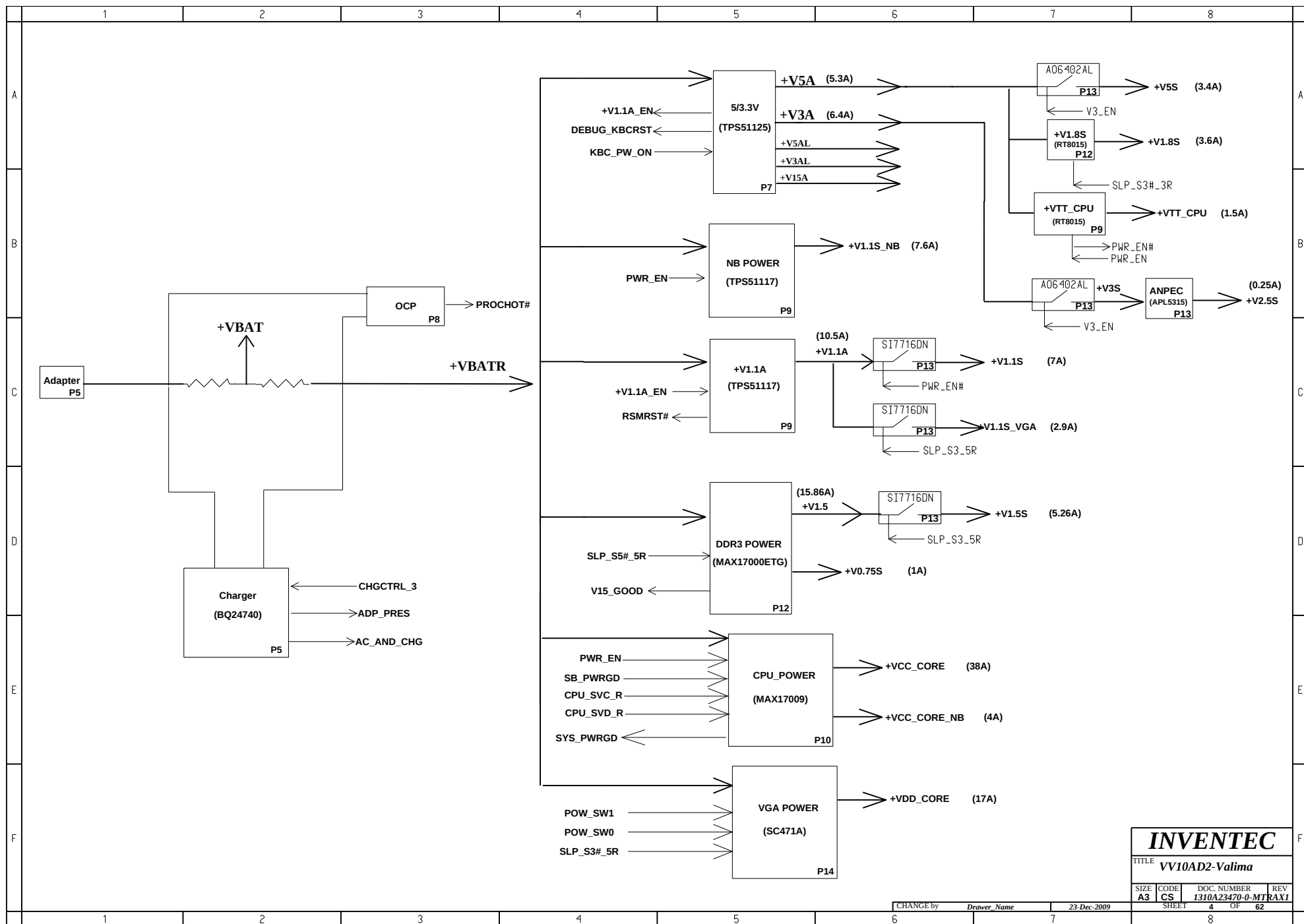
40- KBC & KBC debug CONN
41- Keyboard & TouchPad CONN
42- SPI
43- HDD & ODD CONN
44- USB CONN
45- EMI solution (Power Plan CAP)
46- AZALIA CODEC
47- Int. Speaker & MIC & Audio B2B CONN
48- MDC CONN
49- NIC-10/100 Controller
50- NIC 10/100 RJ45 CONN
51- Mini Card (WLAN) & BT & WiFi+BT CONN
52- New Card
53- SW & LED Board CONN
54- Screw
55- HDMI
56- Daughter board - SD/MMC Card Reader
57- Daughter board - Earphone & MIC JACK
58- Daughter board - Switch & LID
59- Daughter board - 15" ODD Extend board
60- Daughter board - USB Right side board
61- Daughter board - Pick Button board
62- Daughter board - 15" HDD Extend board

INVENTEC

TITLE VV10AD2-Valima			
Table OF Content			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310A23470-0-MTRAXI	
SHEET		2	OF 62

CHANGE by Drawer Name 19-Jan-2010

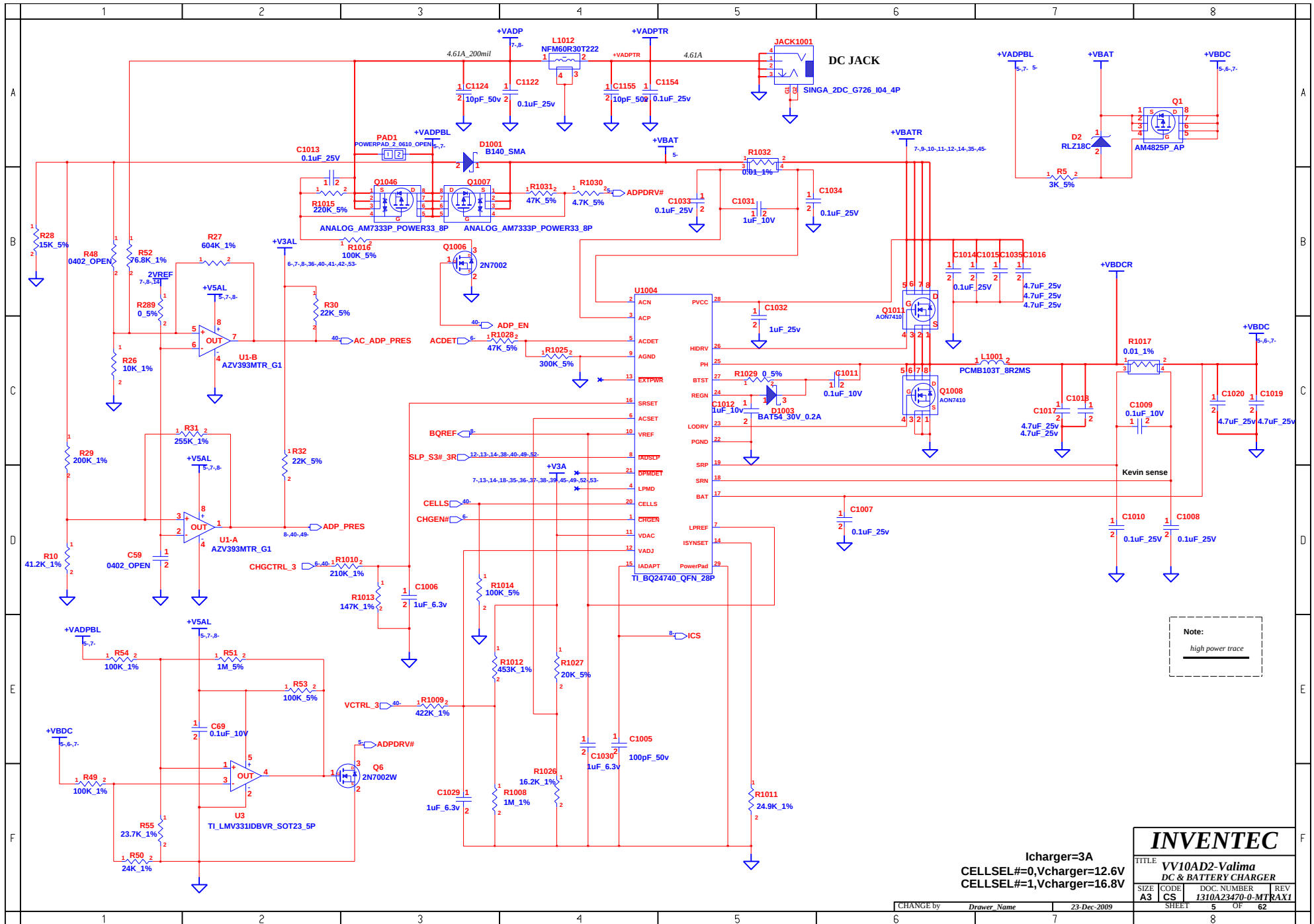


**INVENTEC**TITLE
VV10AD2-Valima

SIZE	CODE	DOC. NUMBER	REV
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CHANGE by: *Drawn Name* 23-Dec-2009

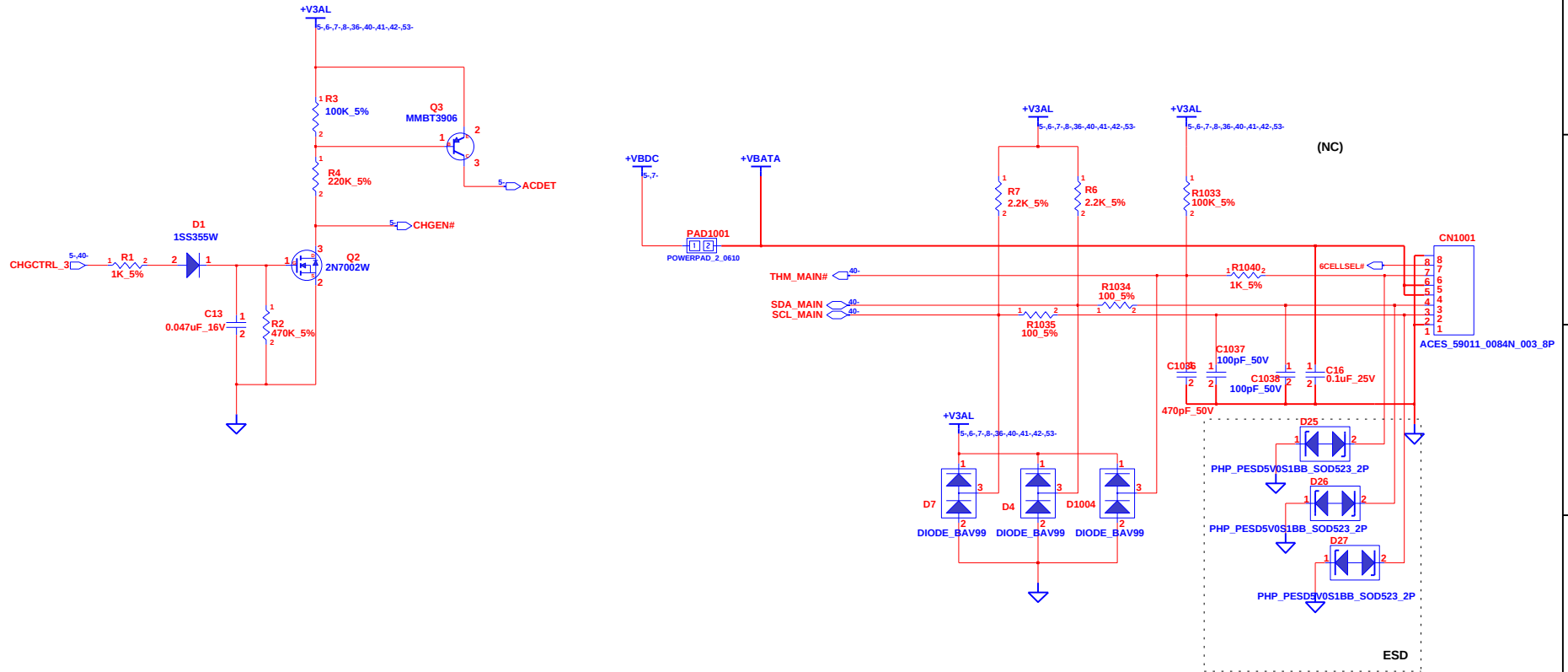
SHEET 4 OF 62



Icharger=3A
CELLSEL#=0,Vcharger=12.6V
CELLSEL#=1,Vcharger=16.8V

INVENTEC

TITLE VV10AD2-Valima DC & BATTERY CHARGER			
SIZE A3	CODE CS	DOC. NUMBER I310AZ3470-0-MT	REV RAX1
CHANGE by Drawer Name	23-Dec-2009	SHEET 5	OF 62

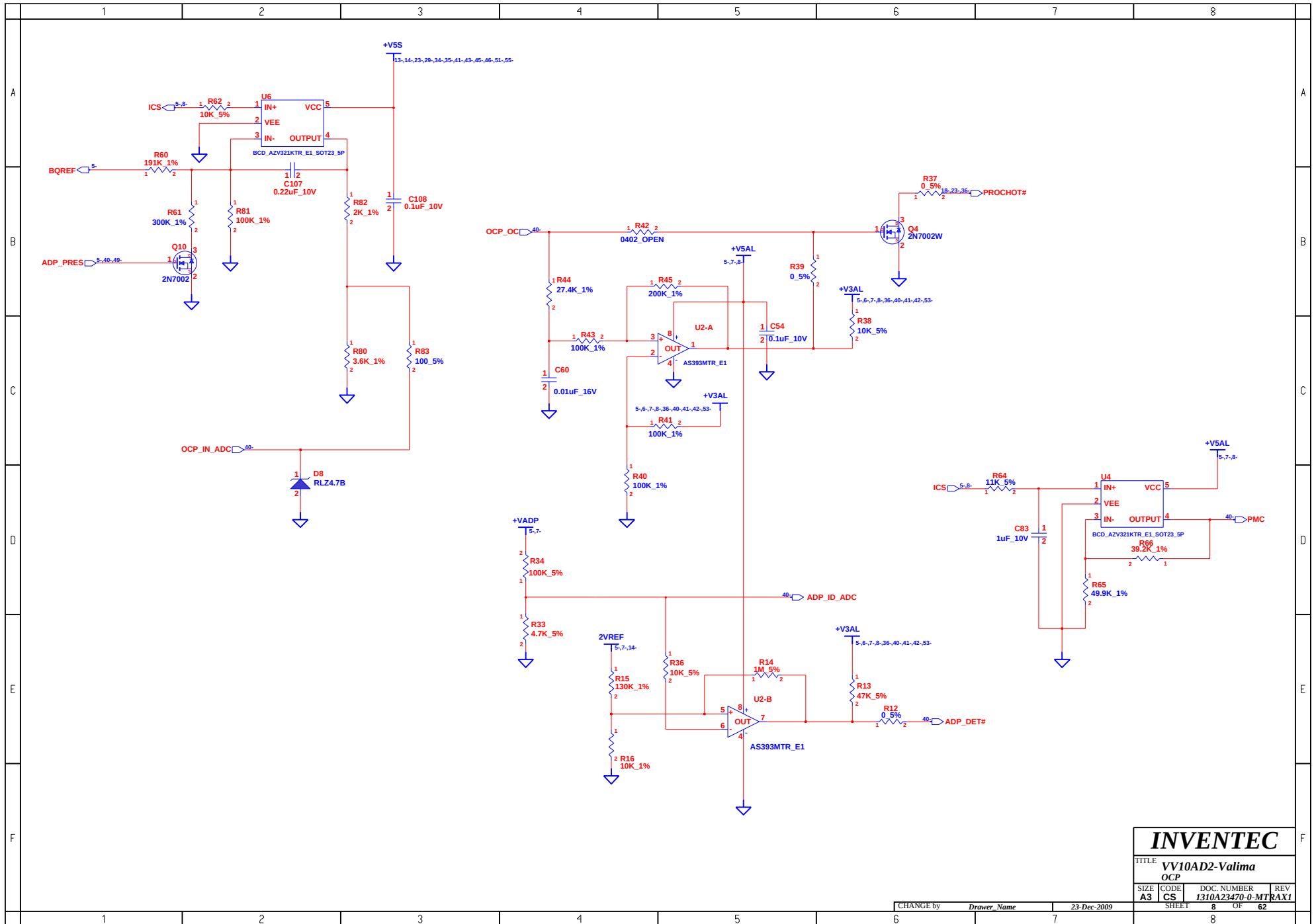


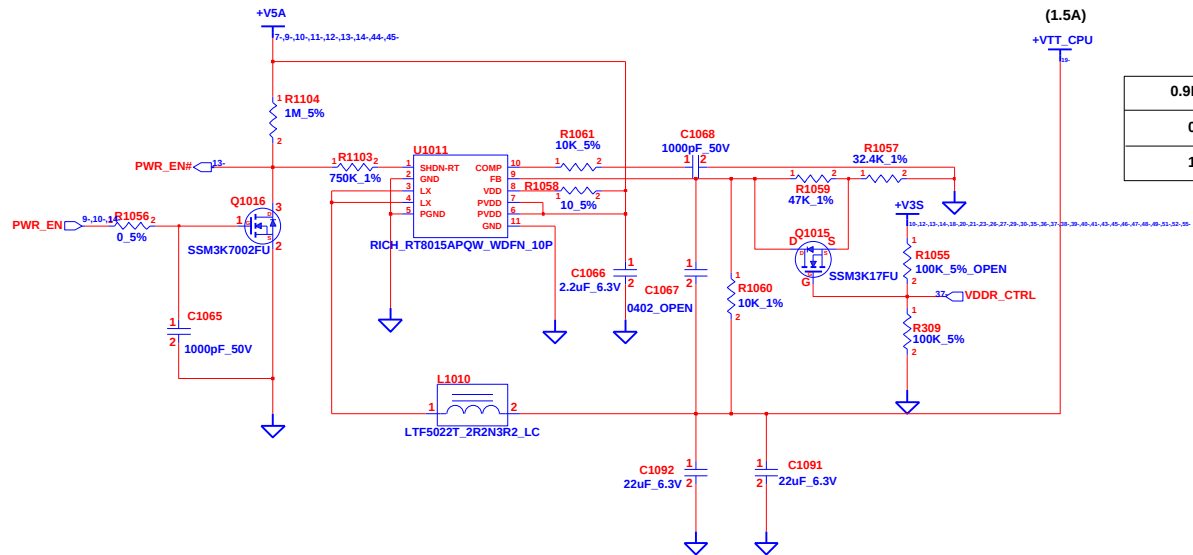
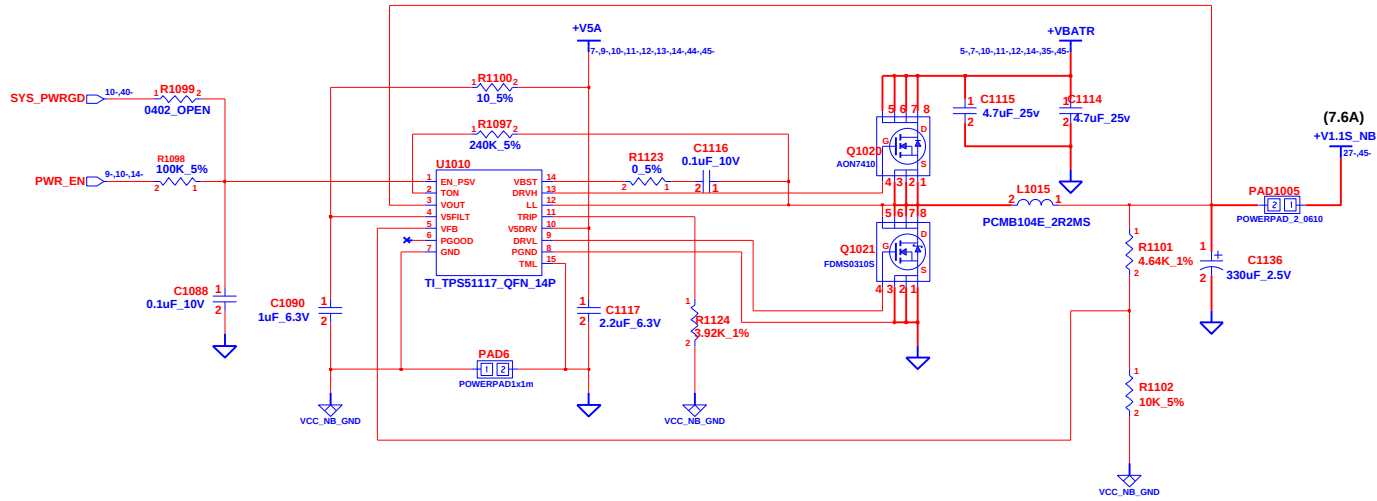
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TITLE			
VV10AD2-Valima			
SELECT & BATTERY CONN			
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A3	CS	I310AZ3470-0-MT	RAX1

CHANGE by *Drawn Name* 23-Dec-2009

SHEET 6 OF 62



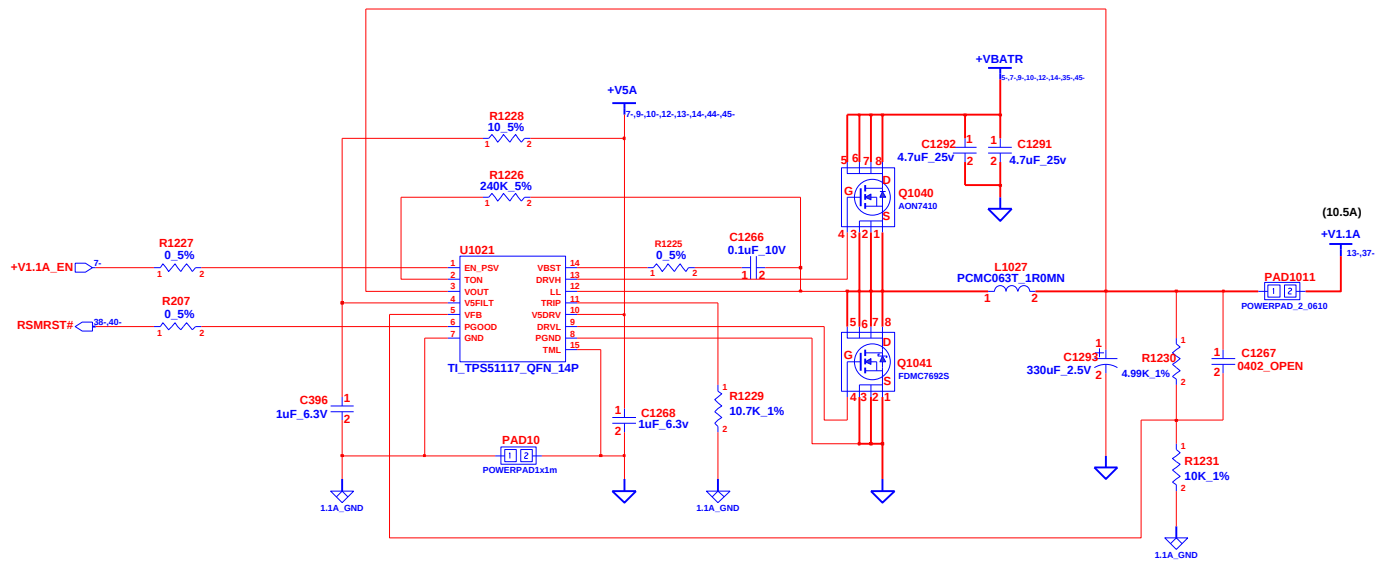


0.9EN	+VTT_CPU
0	0.9
1	1.05

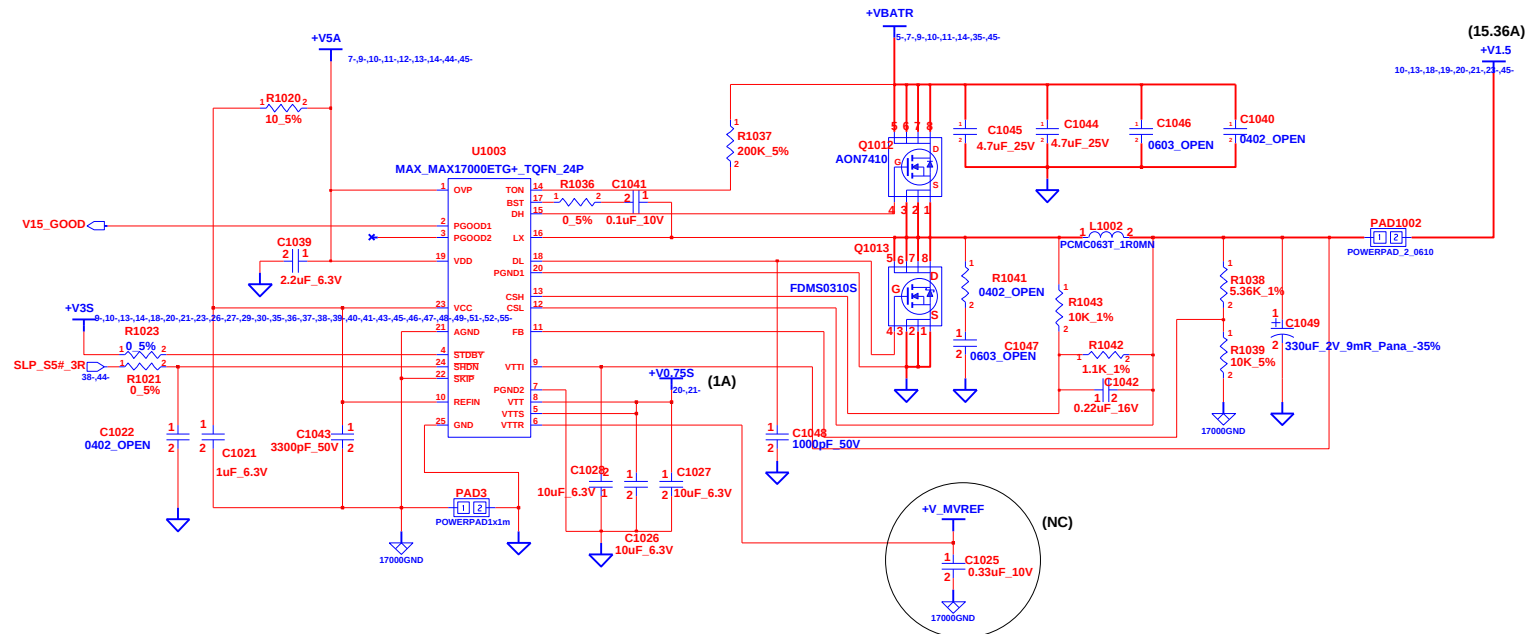
INVENTEC

TITLE VV10AD2-Valima +V1.1S_NB & +VTT_CPU			
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SHEET 9		OF 62	

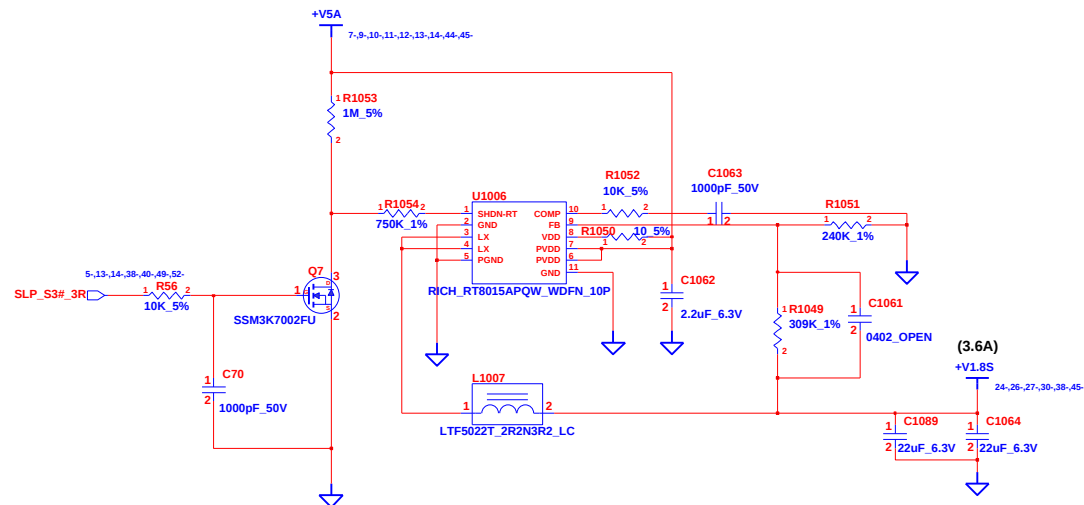
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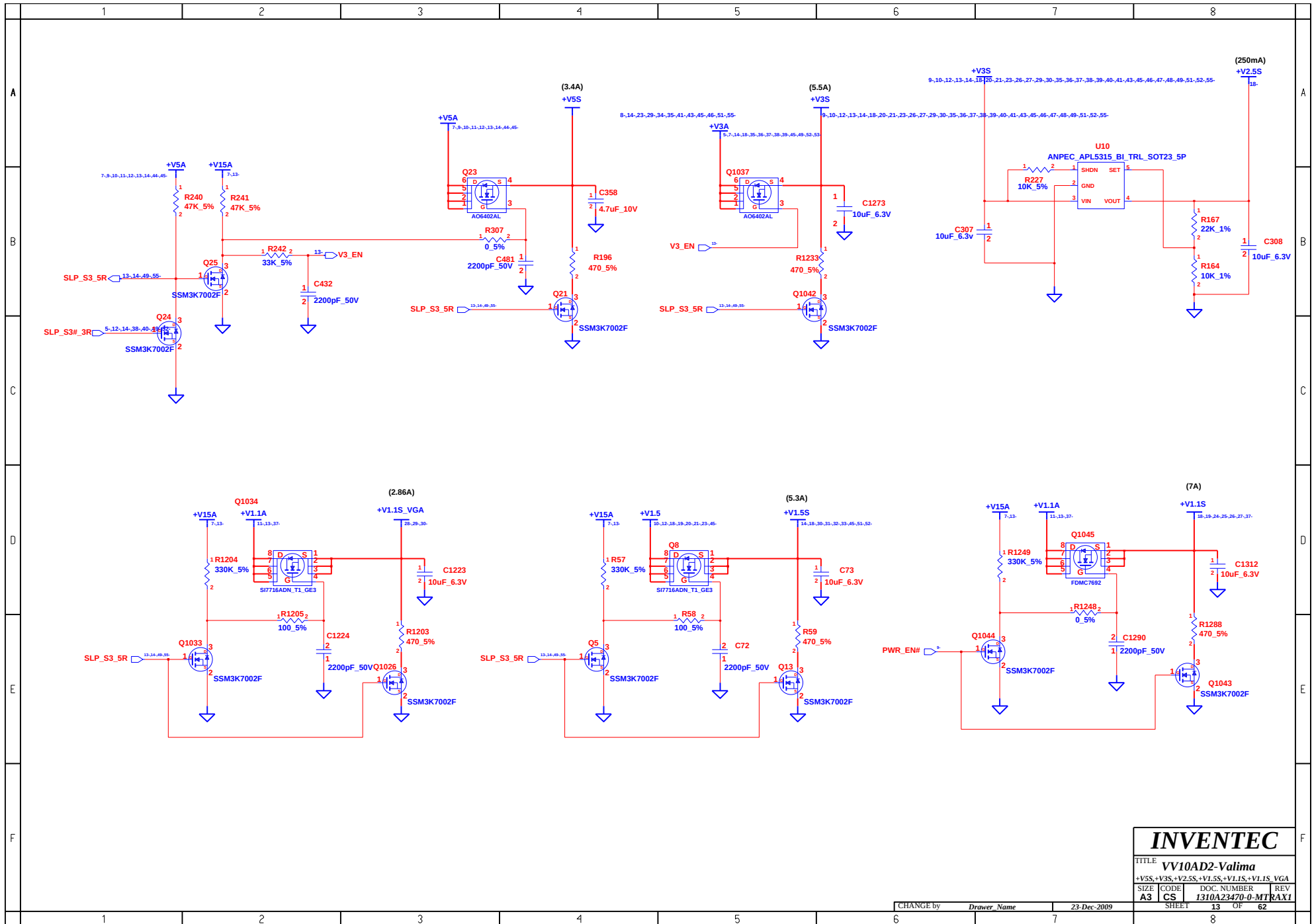
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+V1.1A			
SIZE A3	CODE CS	DOC. NUMBER I310AZ3470-0-MT	REV RAX1
CHANGE by		23-Dec-2009	
DRAWN by			
SHEET 11		OF 62	



NOTE:DDR3 REGULAOR



INVENTEC			
TITLE VV10AD2-Valima			
+V1.5 & +V_MVREF (for DDR3)/+V1.8S			
SIZE A3	CODE CS	DOC. NUMBER I310AZ3470-0-MT	REV RAX1
CHANGE by		Drawer Name	23-Dec-2009
SHEET		12	OF 62



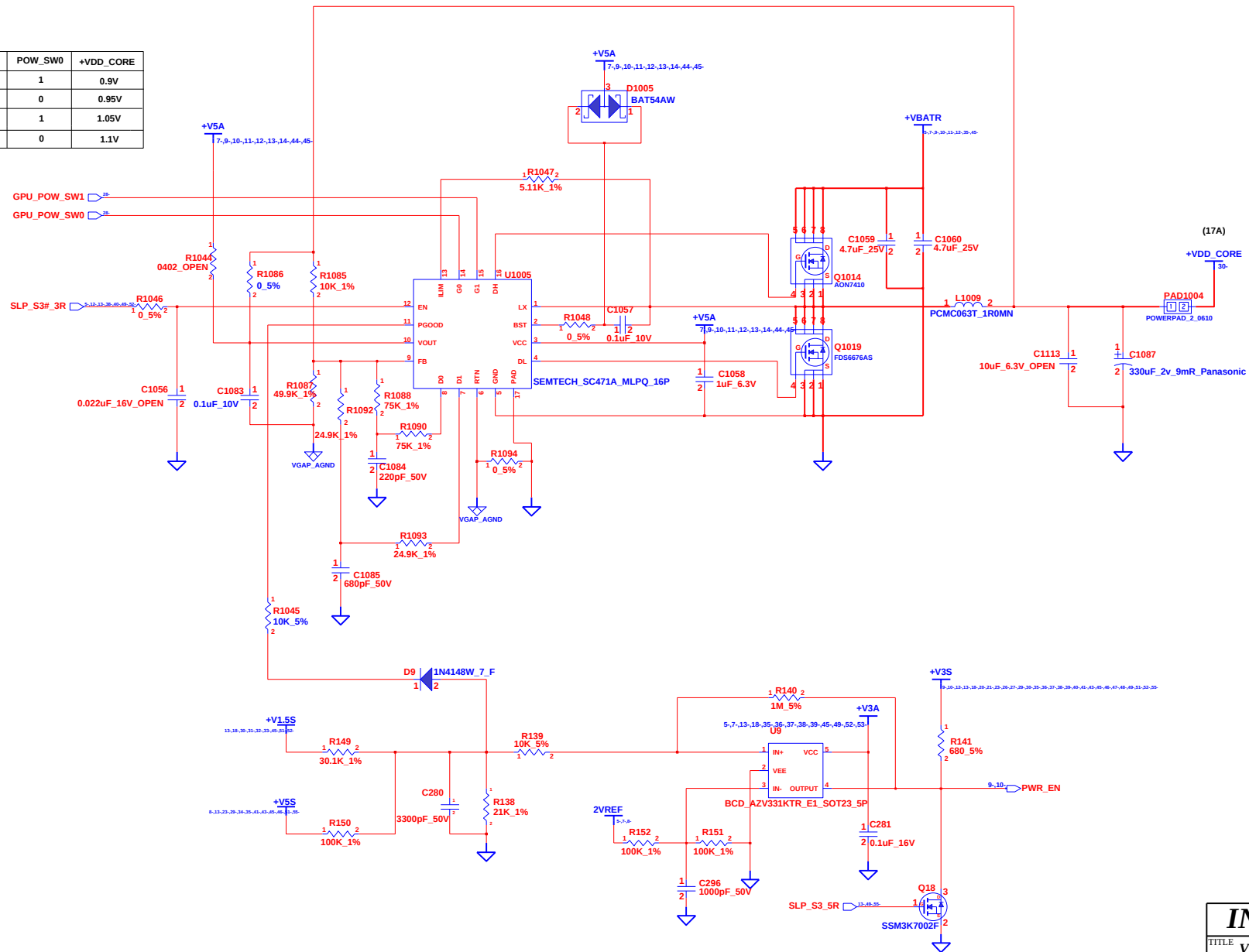
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TITLE			
VV10AD2-Valima			
+V5S,+V3S,+V2.5S,+V1.5S,+V1.1S,+V1.1S_VGA			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310AZ3470-0-MTRAX1	

CHANGE by *Drawer Name* 23-Dec-2009

SHEET 13 OF 62

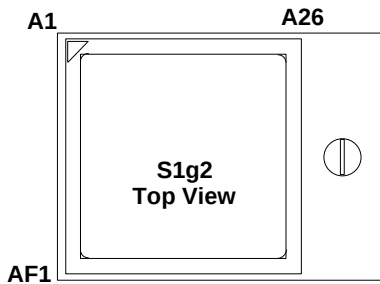
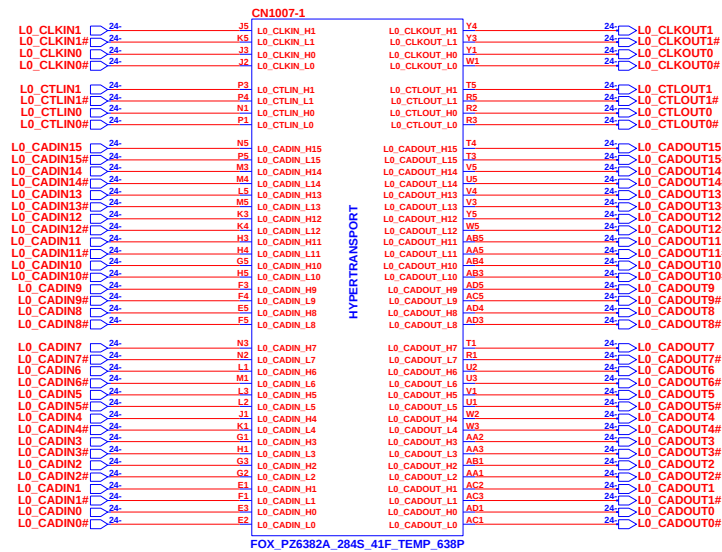
POW_SW1	POW_SW0	+VDD_CORE
1	1	0.9V
1	0	0.95V
0	1	1.05V
0	0	1.1V



INVENTEC			
TITLE VV10AD2-Valima +VDD_CORE & Power Sequence			
SIZE A3	CODE CS	DOC. NUMBER I310AZ3470-0-MT	REV RAX1
CHANGE by Drawer Name		23-Dec-2009	SHEET 14 OF 62

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A	Blank								A
B									B
C									C
D									D
E									E
F									F
	1	2	3	4	5	6	7	8	

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TITLE VV10AD2-Valima			
Blank			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310AZ3470-0-MTRAXI	
SHEET		15	OF 62



Layout: Add stitching caps if crossing plane split.

INVENTEC

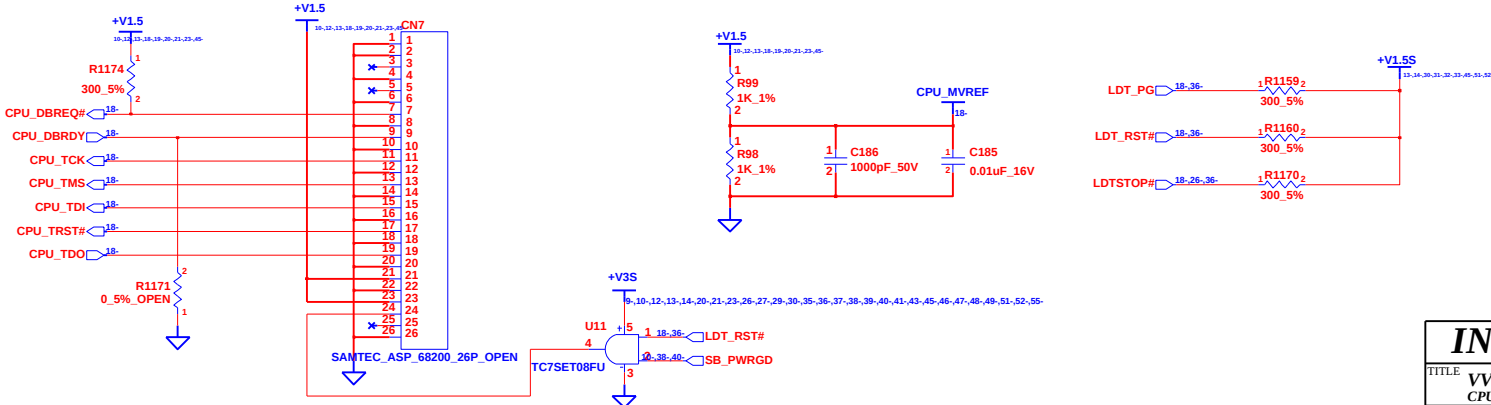
TITLE			
VV10AD2-Valima			
CPU-1 (S1g2)			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310AZ3470-0-MTRAX1	

CHANGE by *Drawn Name* 23-Dec-2009

SHEET 16 OF 62

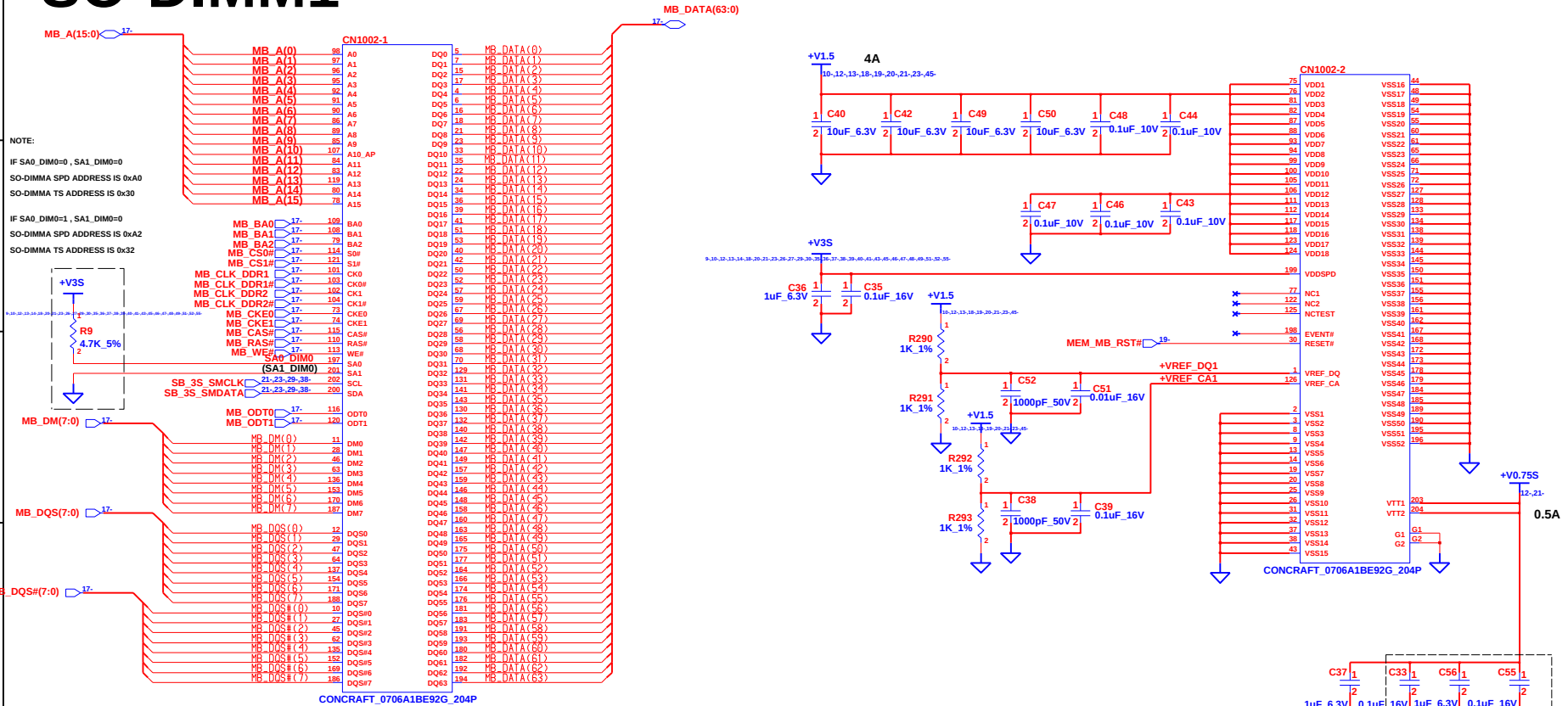
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VV10AD2-Valima CPU-2 (S1g2)			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A23470-0-MTRAX1	
SHEET		17	OF 62

HDT Header



INVENTEC			
TITLE VV10AD2-Valima CPU-3 (S1g2)			
SIZE A3	CODE CS	DOC. NUMBER 1310A23470-0-MTRAX1	REV
SHEET		18	OF 62

SO-DIMM1



SODIMM
H = 9.2mm

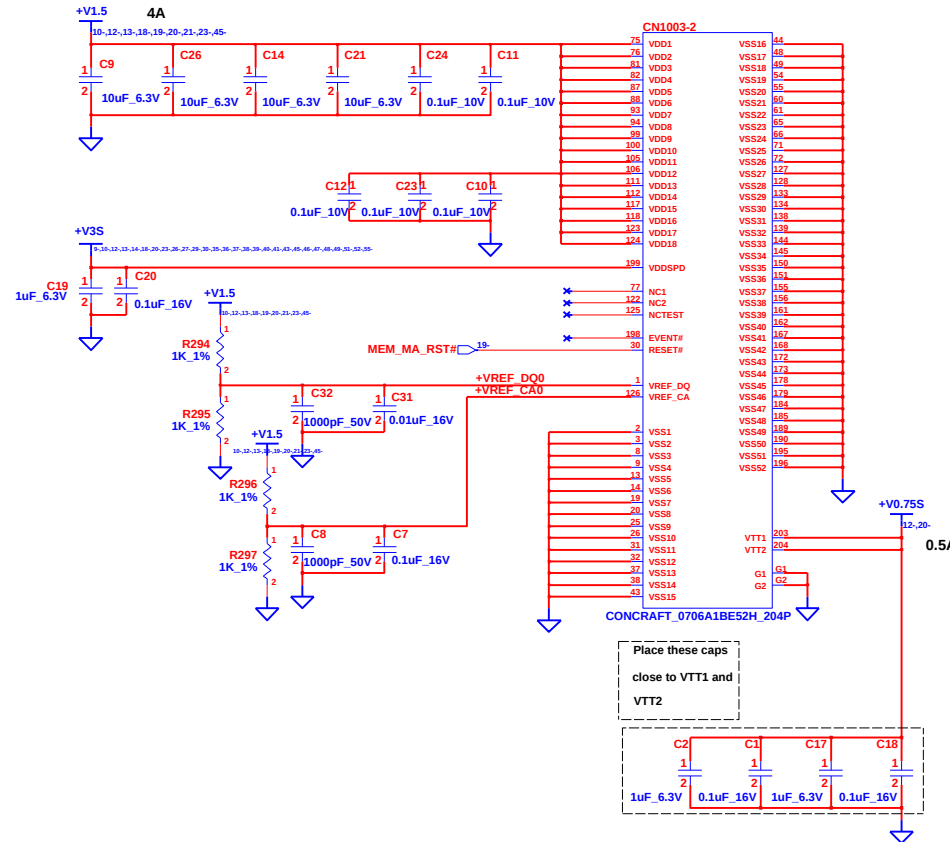
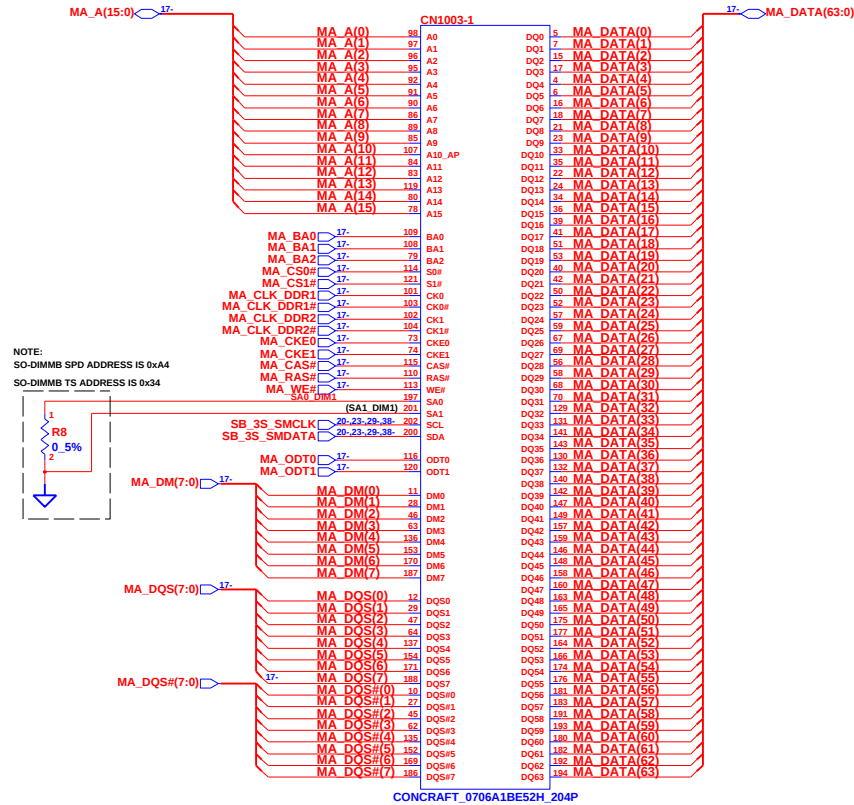
For EMI Test

INVENTEC

TITLE VV10AD2-Valima DDR3 DIMM-0			
SIZE A3	CODE CS	DOC. NUMBER I310AZ3470-0-MT	REV RAX1
SHEET 20		OF 62	

CHANGE by Drawer Name 23-Dec-2009

SO-DIMM0



SODIMM
H = 5.2mm

INVENTEC

TITLE
VV10AD2-Valima
DDR3 DIMM-1

SIZE	CODE	DOC. NUMBER	REV
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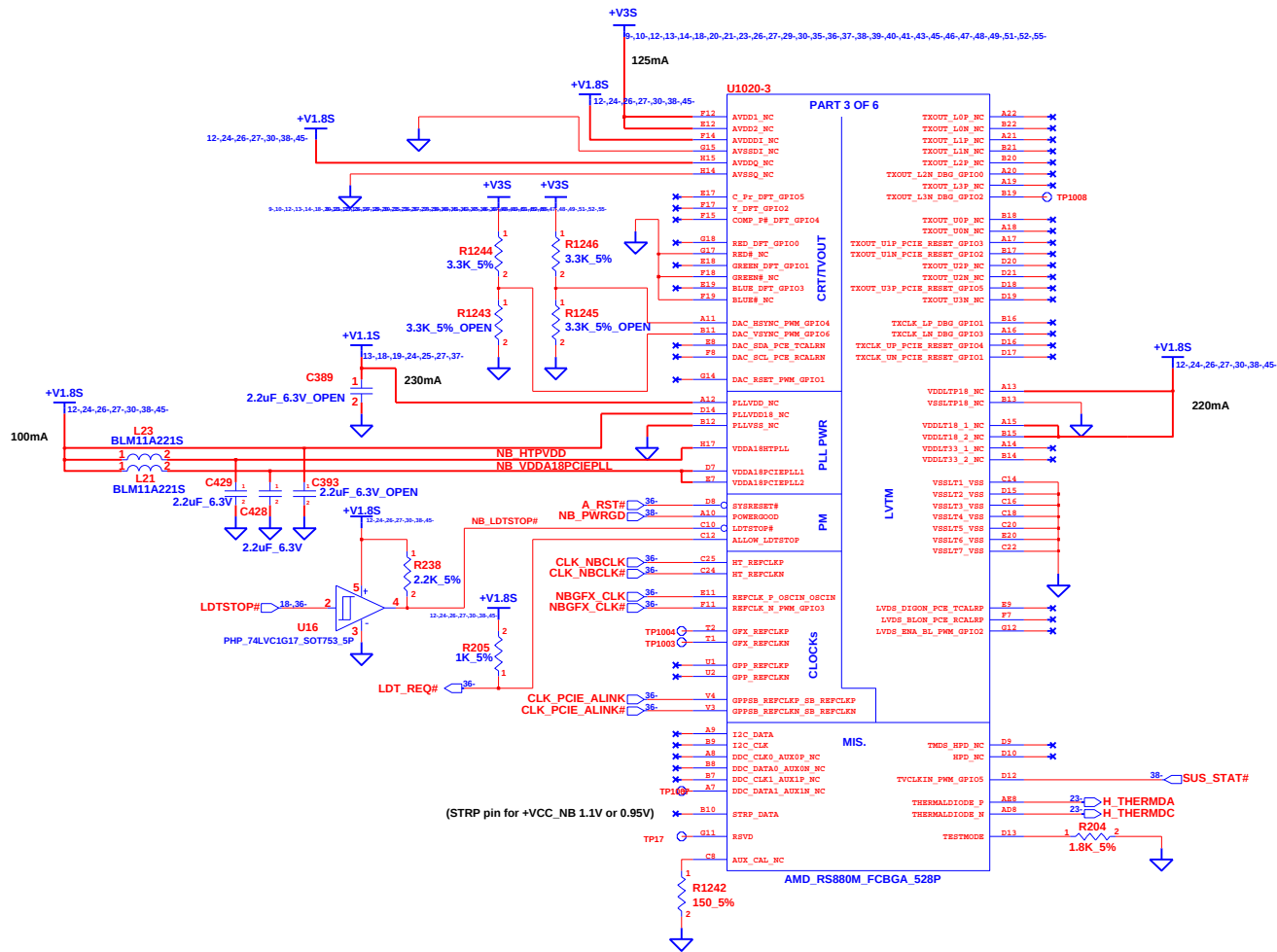
CHANGE by Drawer Name 23-Dec-2009

SHEET 21 OF 62

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A	Blank								A
B									B
C									C
D									D
E									E
F									F
	1	2	3	4	5	6	7	8	

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TITLE VV10AD2-Valima			
Blank			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310AZ3470-0-MTRAX1	
CHANGE by		23-Dec-2009	
Draver Name			
SHEET		22	OF 62

TITLE			
VV10AD2-Valima THERMAL & FAN CONTROLLER			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A23470-0-MTRAX1	
SHEET		23	OF 62



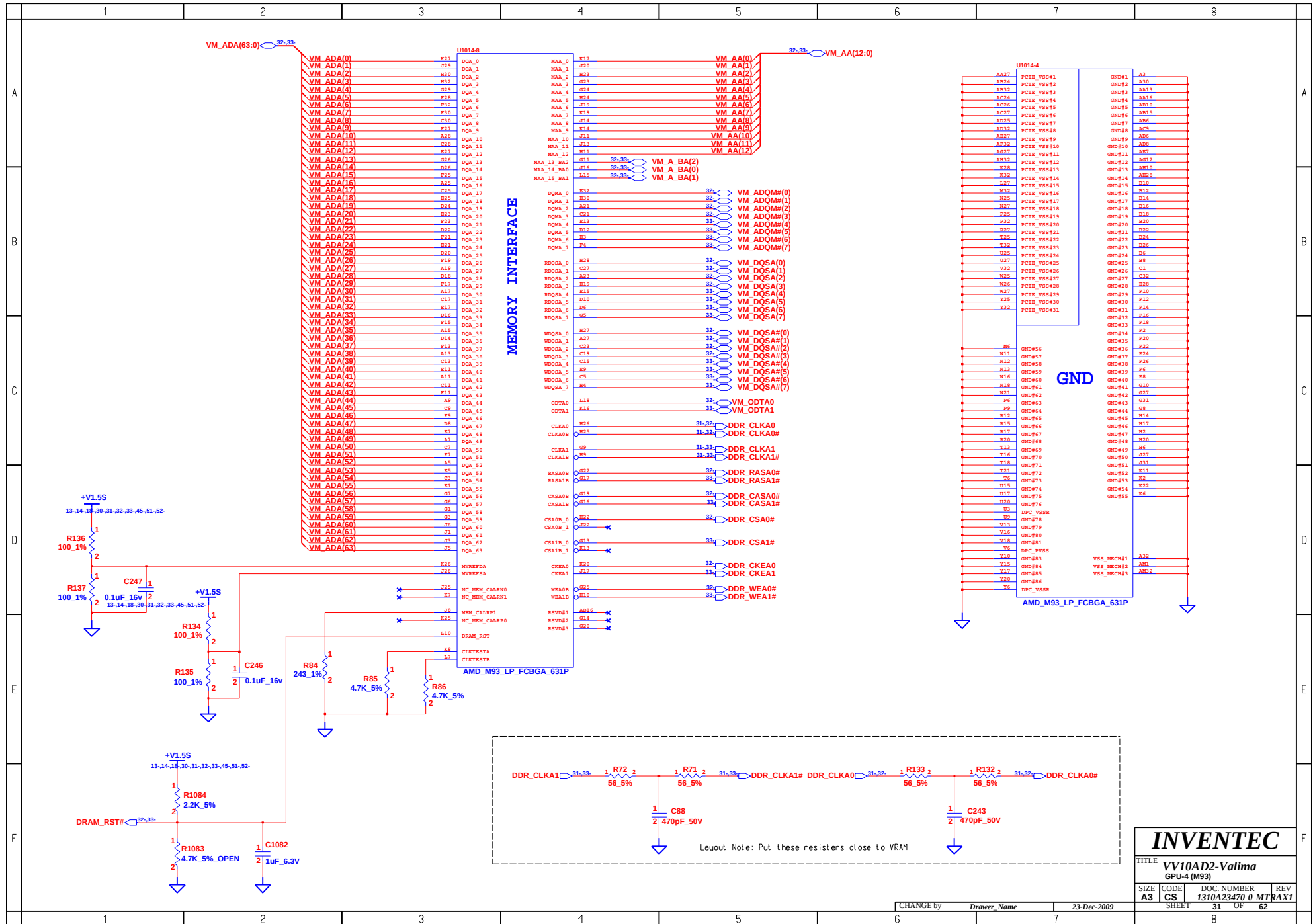
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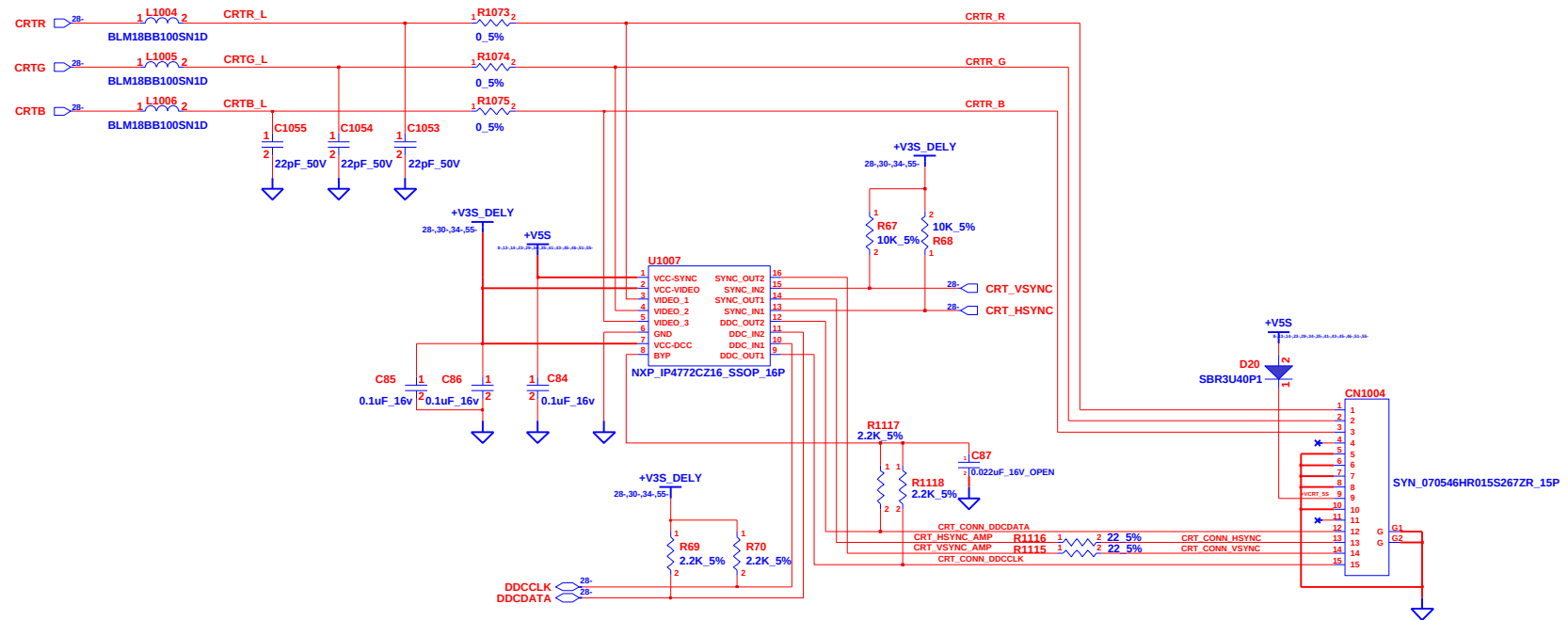
TITLE
VV10AD2-Valima
NB-3 (RS880M)

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CHANGE by *Drawn Name* 23-Dec-2009

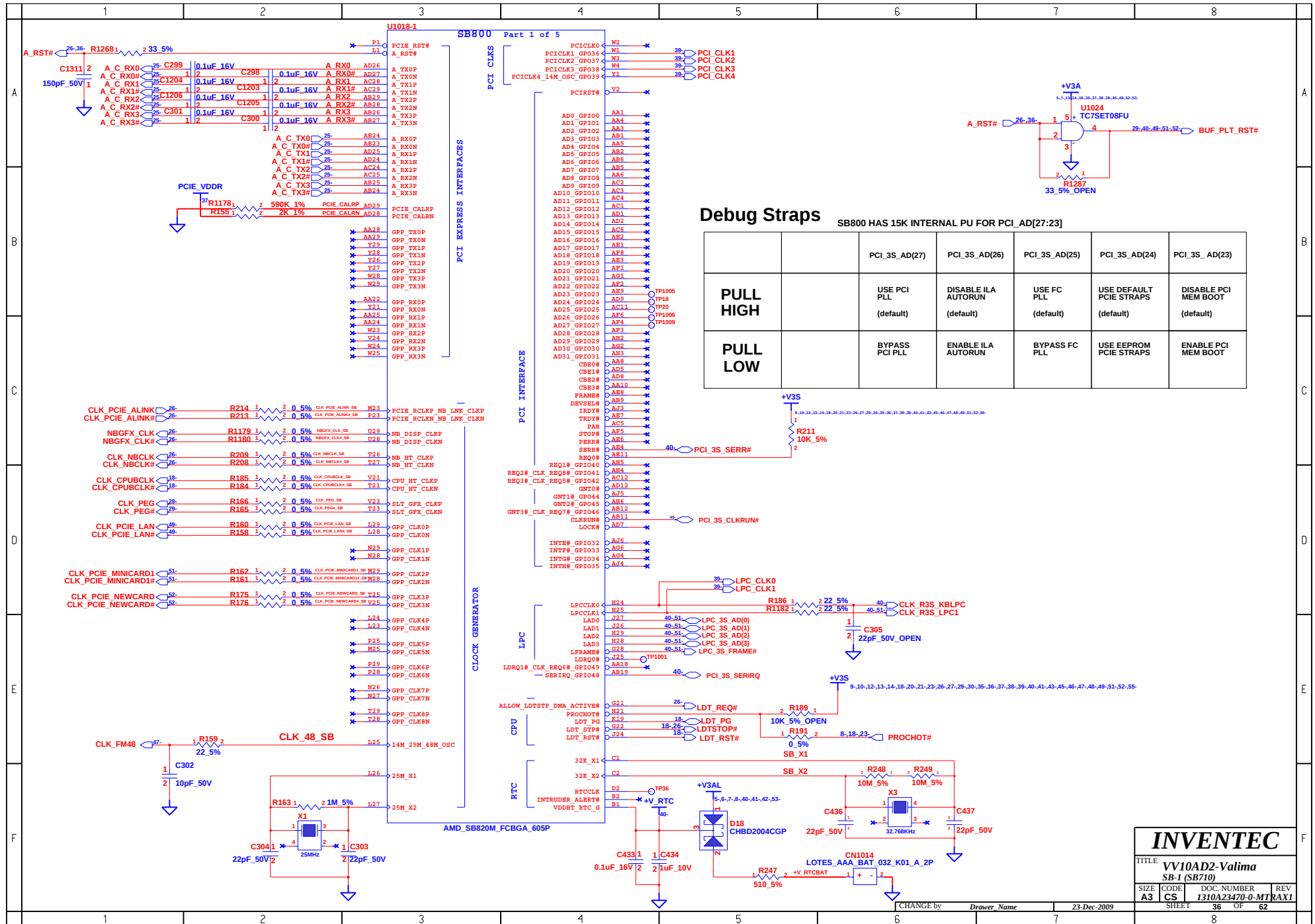
SHEET 26 OF 62

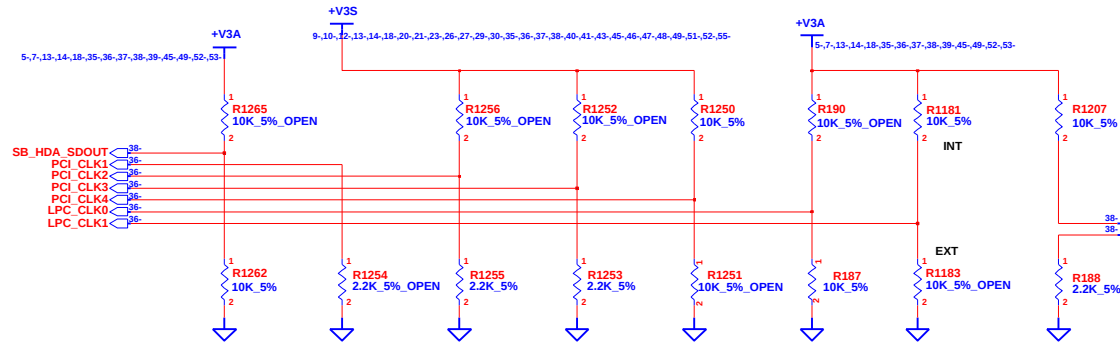


**INVENTEC**

TITLE			
VV10AD2-Valima			
VGA CONN			
SIZE	CODE	DOC. NUMBER	REV
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SHEET		34	OF 62

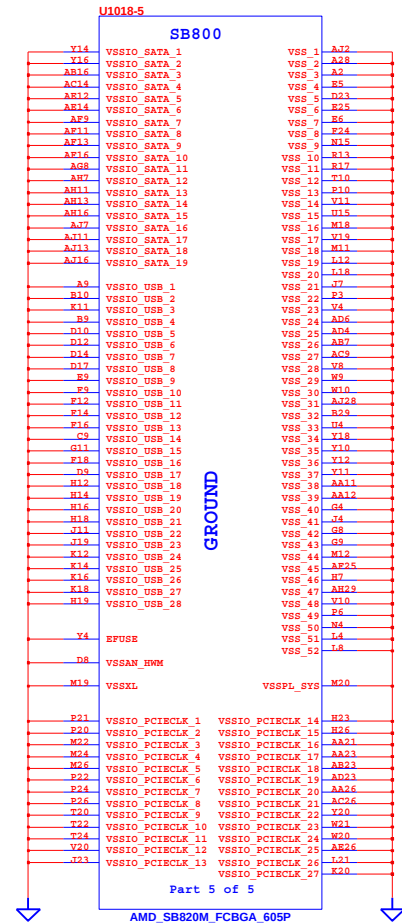
CHANGE by *Drawn Name* 23-Dec-2009





Required Straps:

	HDA_SDOUT	PCI_CLK1	PCI_CLK2	PCI_CLK3	PCI_CLK4	LPC_CLK0	LPC_CLK1	GPIO200	GPIO199
PULL HIGH	LOW POWER MODE (default)	ALLOW PCIE Gen2	Watchdog Timer Enabled	USE DEBUG STRAP	non_Fusion CLOCK MODE (default)	EC ENABLED	CLKGEN ENABLED (default)	ROM TYPE	
PULL LOW	PERFORMANCE MODE	FORCE PCIE Gen1 (default)	Watchdog Timer Disabled (default)	IGNORE DEBUG STRAP (default)	FUSION CLOCK MODE	EC DISABLED (default)	CLKGEN DISABLED	H, H = Reserved L, L = LPC ROM	H, L = SPI ROM (default) L, L = FWH ROM



Part 5 of 5

AMD_SB820M_FCBGA_605P

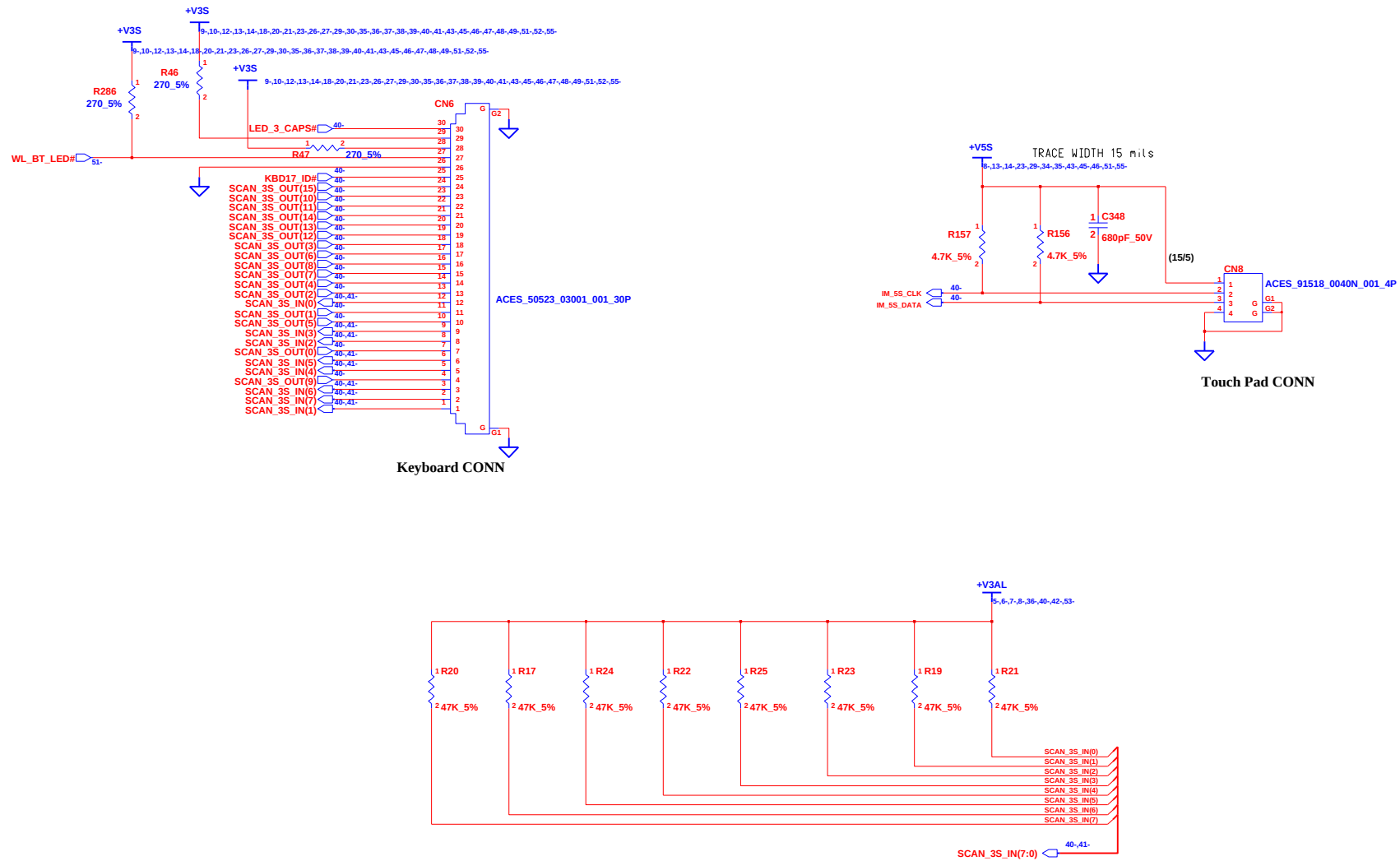
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 TITLE
VV10AD2-Valima
SB-4 (SB710)

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CHANGE by *Drawn Name* 23-Dec-2009

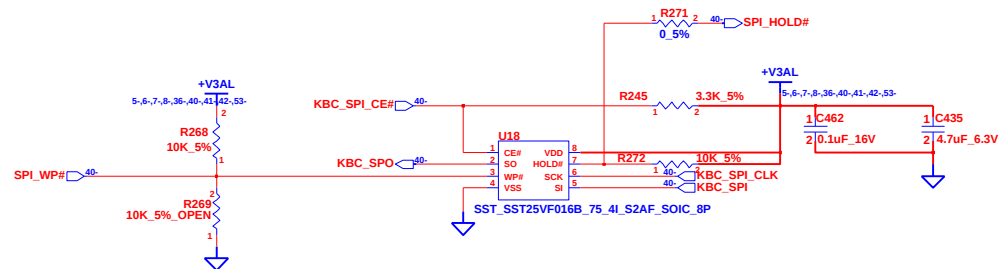
SHEET 39 OF 62

**INVENTEC**

TITLE			
VV10AD2-Valima			
Keyboard & Touch Pad			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310AZ3470-0-MT	RAX1

CHANGE by *Drawn Name* 23-Dec-2009

SHEET 41 OF 62



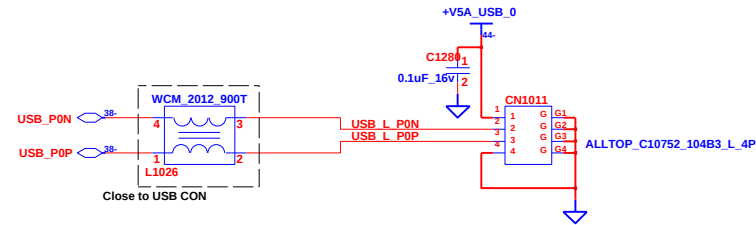
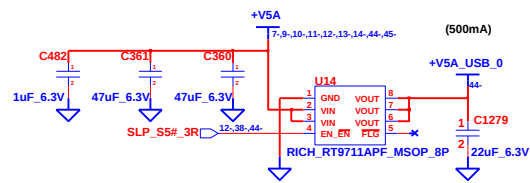
SPI Flash

INVENTEC

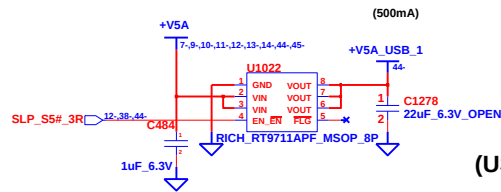
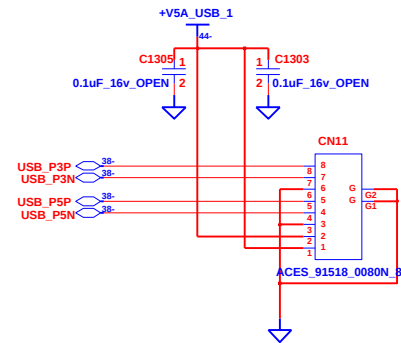
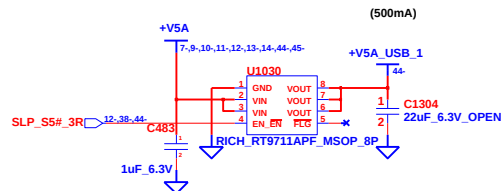
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VV10AD2-Valima			
SPI			
SIZE	CODE	DOC. NUMBER	REV
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SHEET		42	OF 62

CHANGE by *Drawn Name* 23-Dec-2009

8

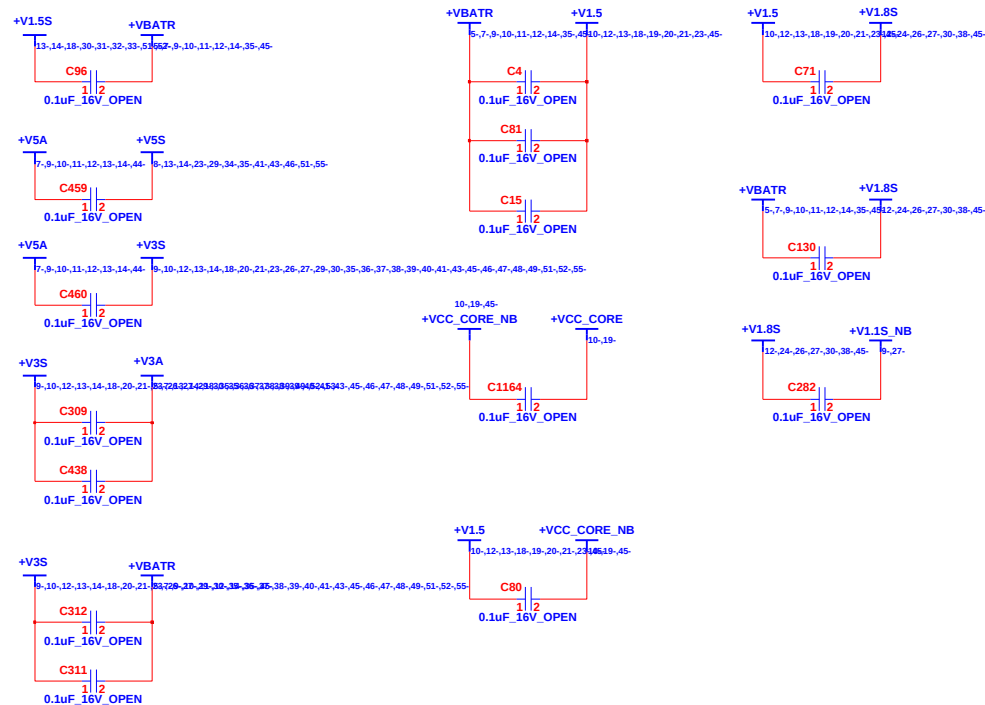


(USB left side)



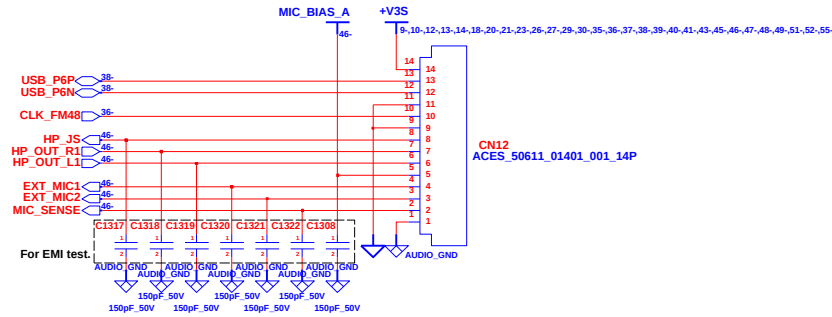
(USB right side)

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TITLE VV10AD2-Valima USB CONN			
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CHANGE by		23-Dec-2009	
SHEET 44		OF 62	

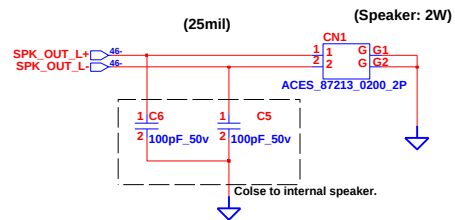
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TITLE			
VV10AD2-Valima			
EMI Solution			
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SHEET		45	OF 62

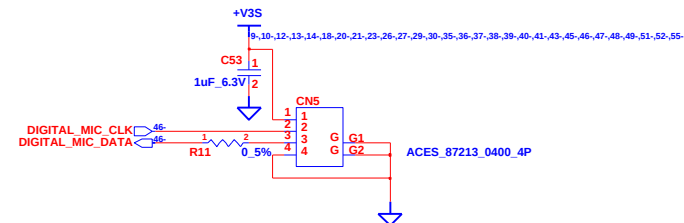
CHANGE by *Drawer Name* 23-Dec-2009



Audio & Card Reader B2B CONN (M/B side)

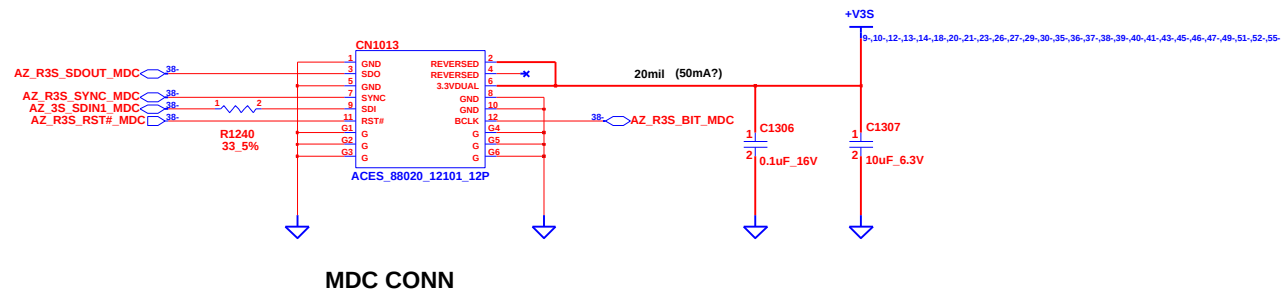


Internal Speaker

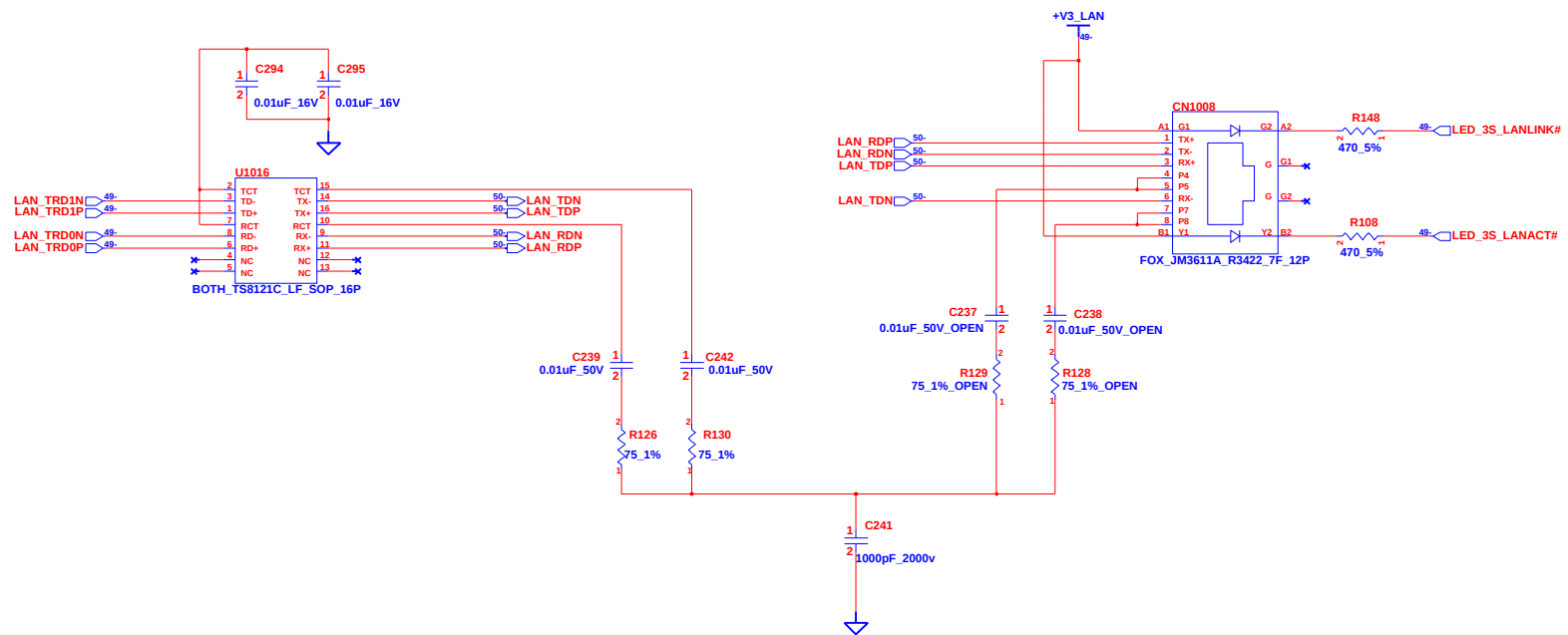


Internal MIC (digital)

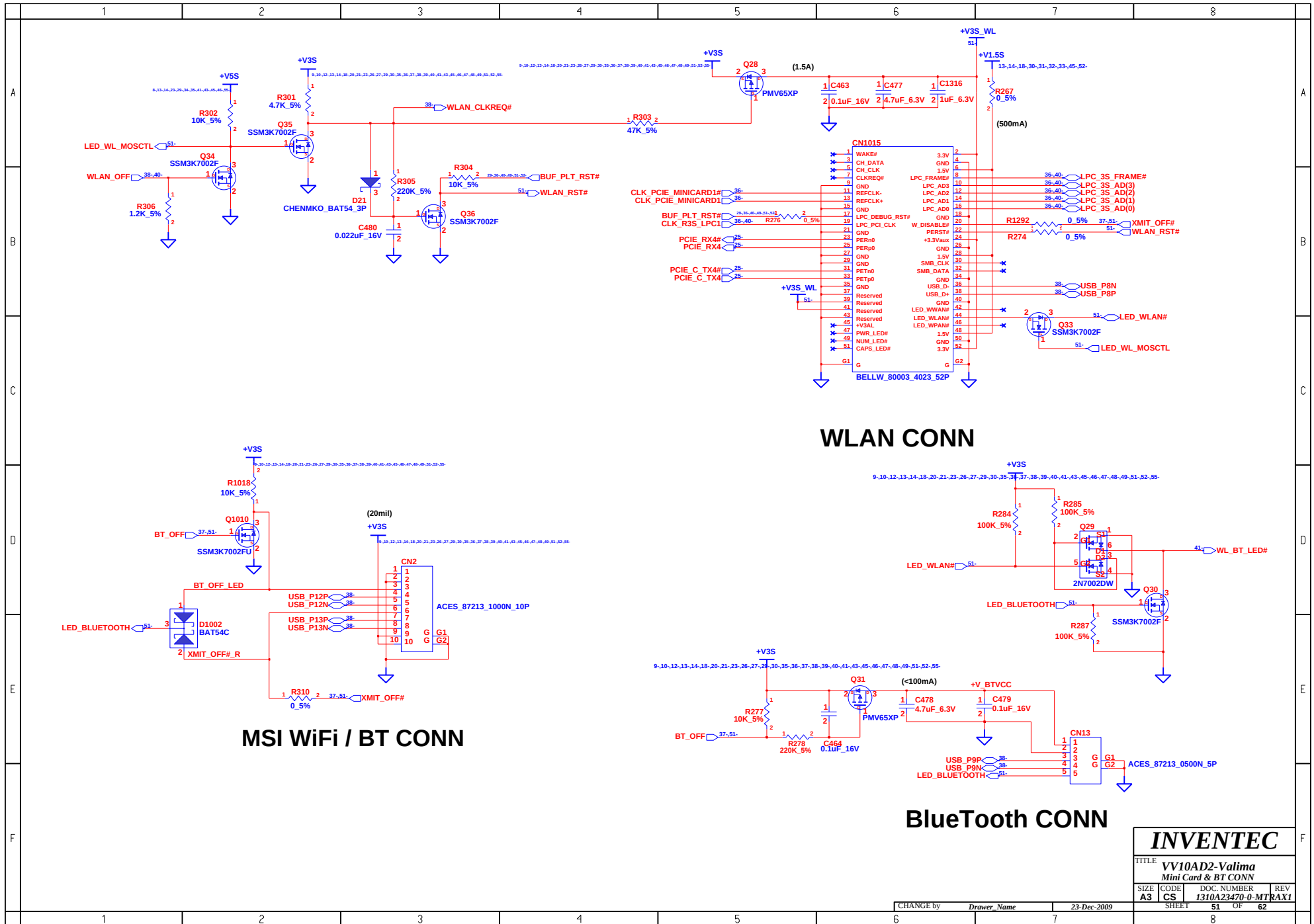
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Internal Speaker & MIC & Audio B2B CONN			
SIZE A3	CODE CS	DOC. NUMBER I310A23470-0-MT	REV RAX1
CHANGE by		Drawer Name	23-Dec-2009
SHEET		47	OF 62



INVENTEC			
TITLE VV10AD2-Valima MDC CNTR/E-SATA			
SIZE A3	CODE CS	DOC. NUMBER 1310AZ3470-0-MT	REV RAX1
CHANGE by		23-Dec-2009	
DRAWN by			
SHEET 48		OF 62	



INVENTEC			
TITLE VV10AD2-Valima			
NIC 10/100M RJ45 CONN			
SIZE A3	CODE CS	DOC. NUMBER 1310AZ3470-0-MTRAX1	REV
CHANGE by		23-Dec-2009	
Drawer Name			
SHEET 50		OF 62	

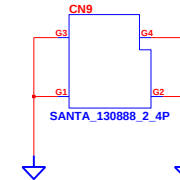
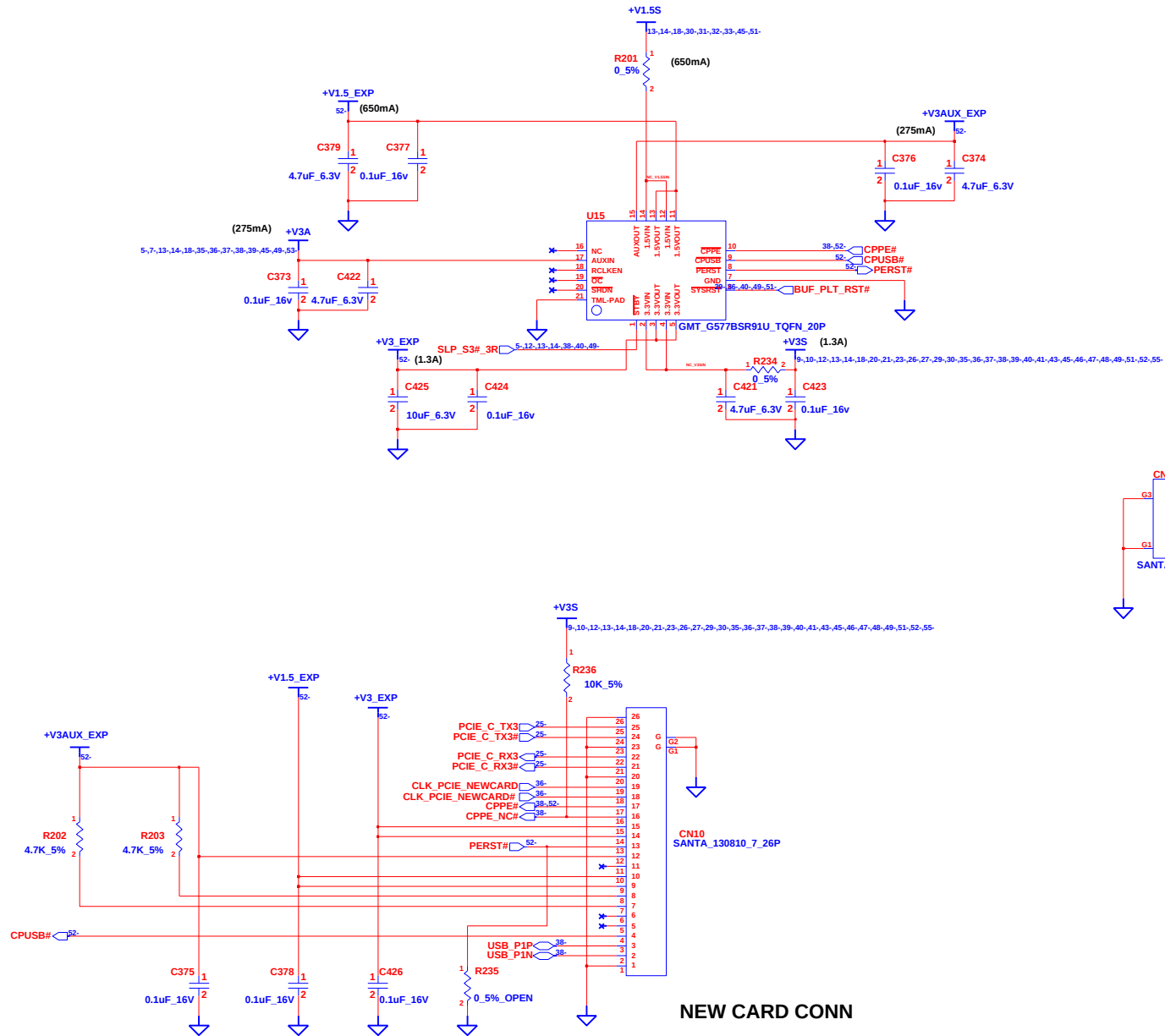


WLAN CONN

MSI WiFi / BT CONN

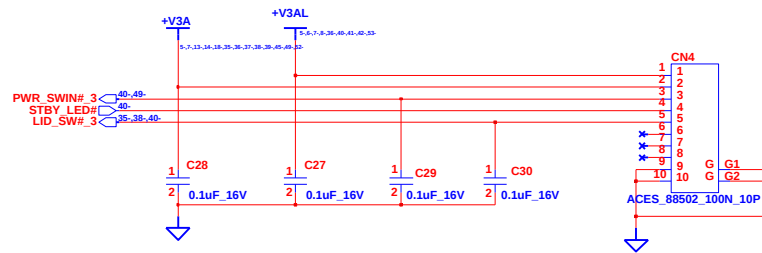
BlueTooth CONN

INVENTEC			
TITLE VV10AD2-Valima Mini Card & BT CONN			
SIZE A3	CODE CS	DOC. NUMBER I310AZ3470-0-MTRAX1	REV
CHANGE by		23-Dec-2009	
SHEET		51	OF 62

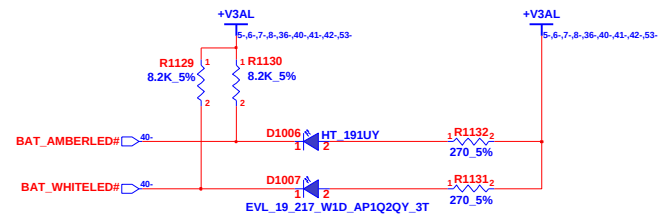


NEW CARD CONN

INVENTEC			
TITLE			
VV10AD2-Valima			
New Card			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310AZ3470-0-MT	RAX1
CHANGE by		23-Dec-2009	
SHEET		52	OF 62

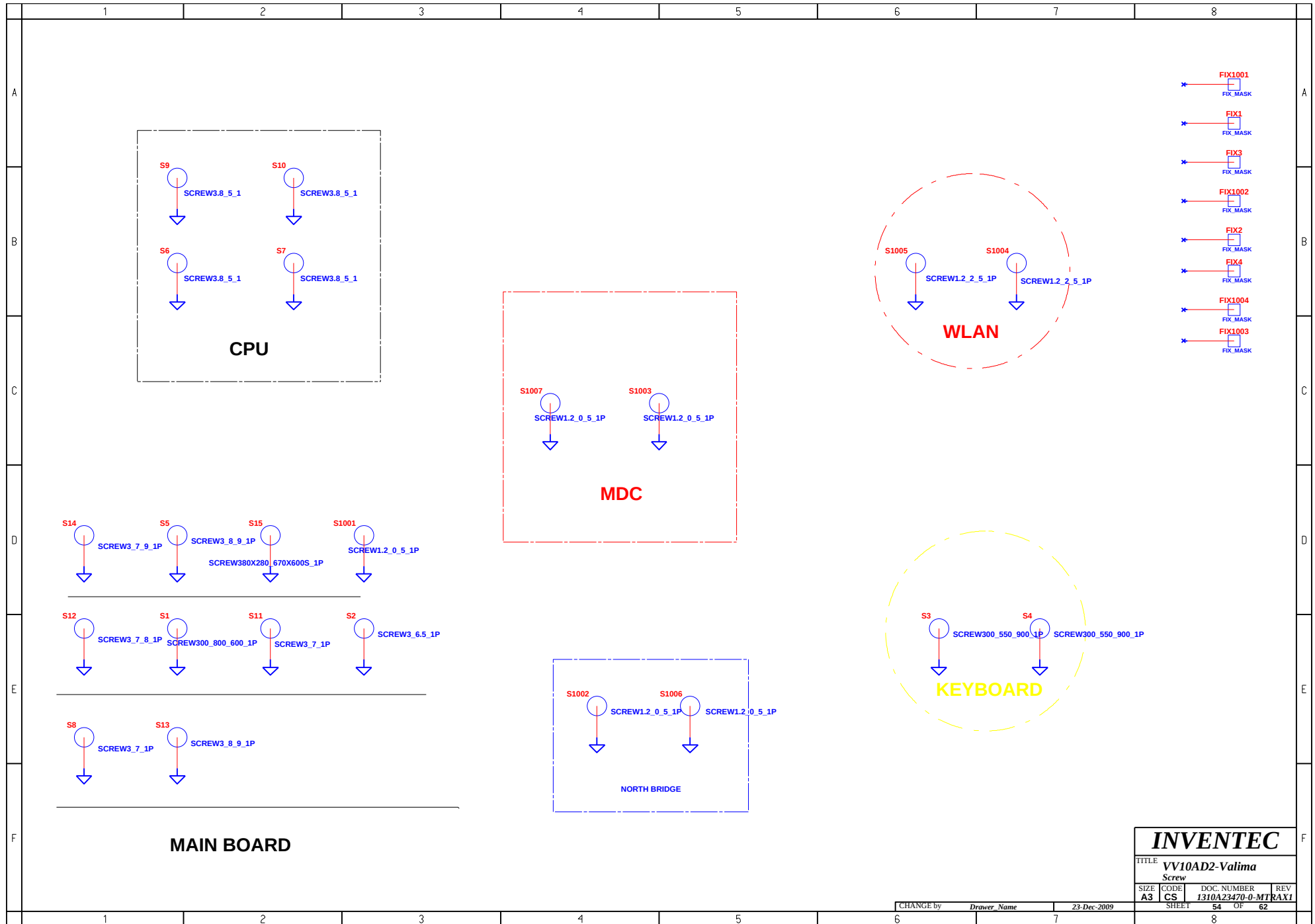


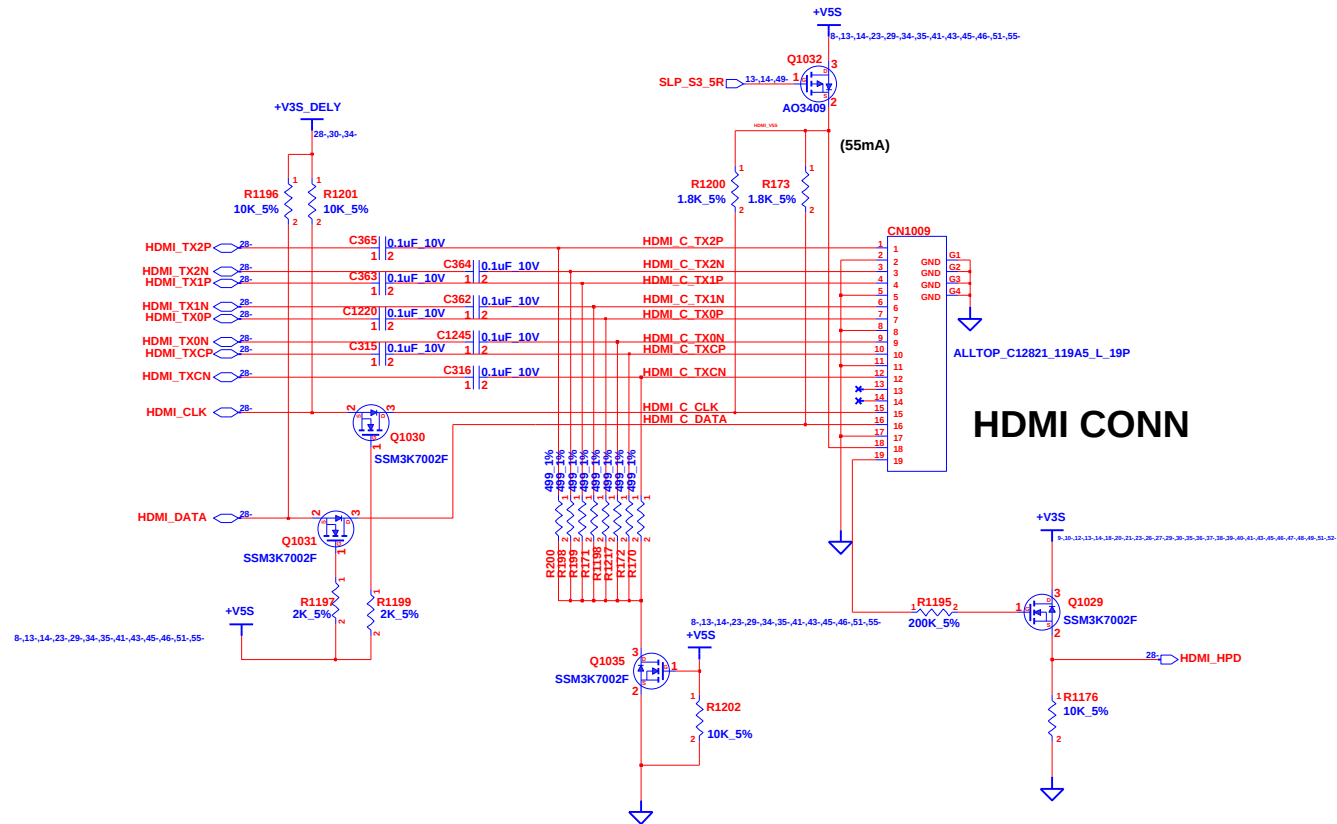
Switch Board & LED Board CONN
(M/B side)



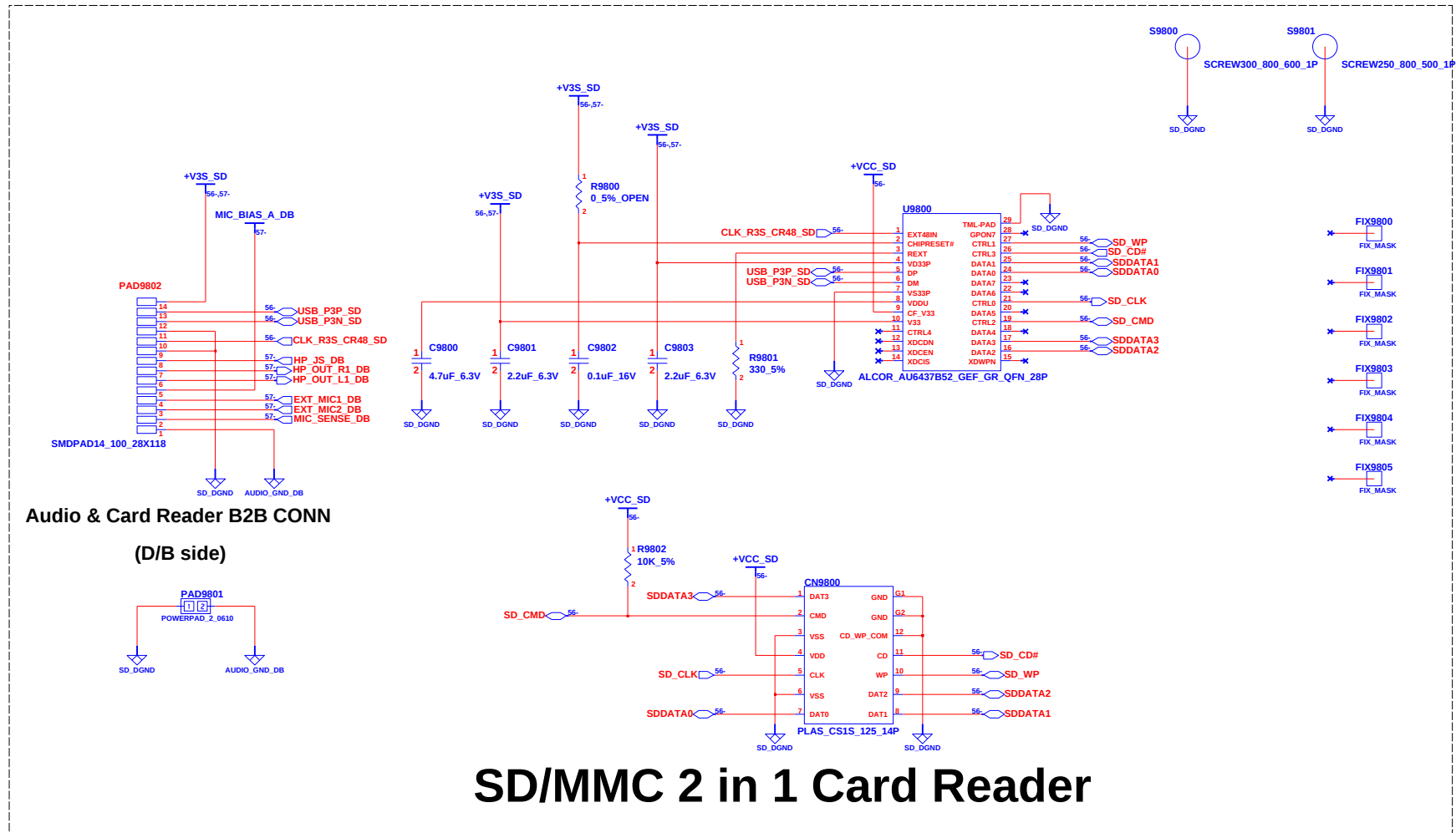
Battery charger LED

INVENTEC			
TITLE			
VV10AD2-Valima			
W/B & SW/B & LED/B CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310AZ3470-0-MT	RAX1
CHANGE by		Draver Name	23-Dec-2009
SHEET		53	OF 62





INVENTEC			
TITLE VV10AD2-Valima			
HDMI			
SIZE A3	CODE CS	DOC. NUMBER I310AZ3470-0-MTRAX1	REV
CHANGE by		23-Dec-2009	
SHEET		55	OF 62



Audio & Card Reader board-1

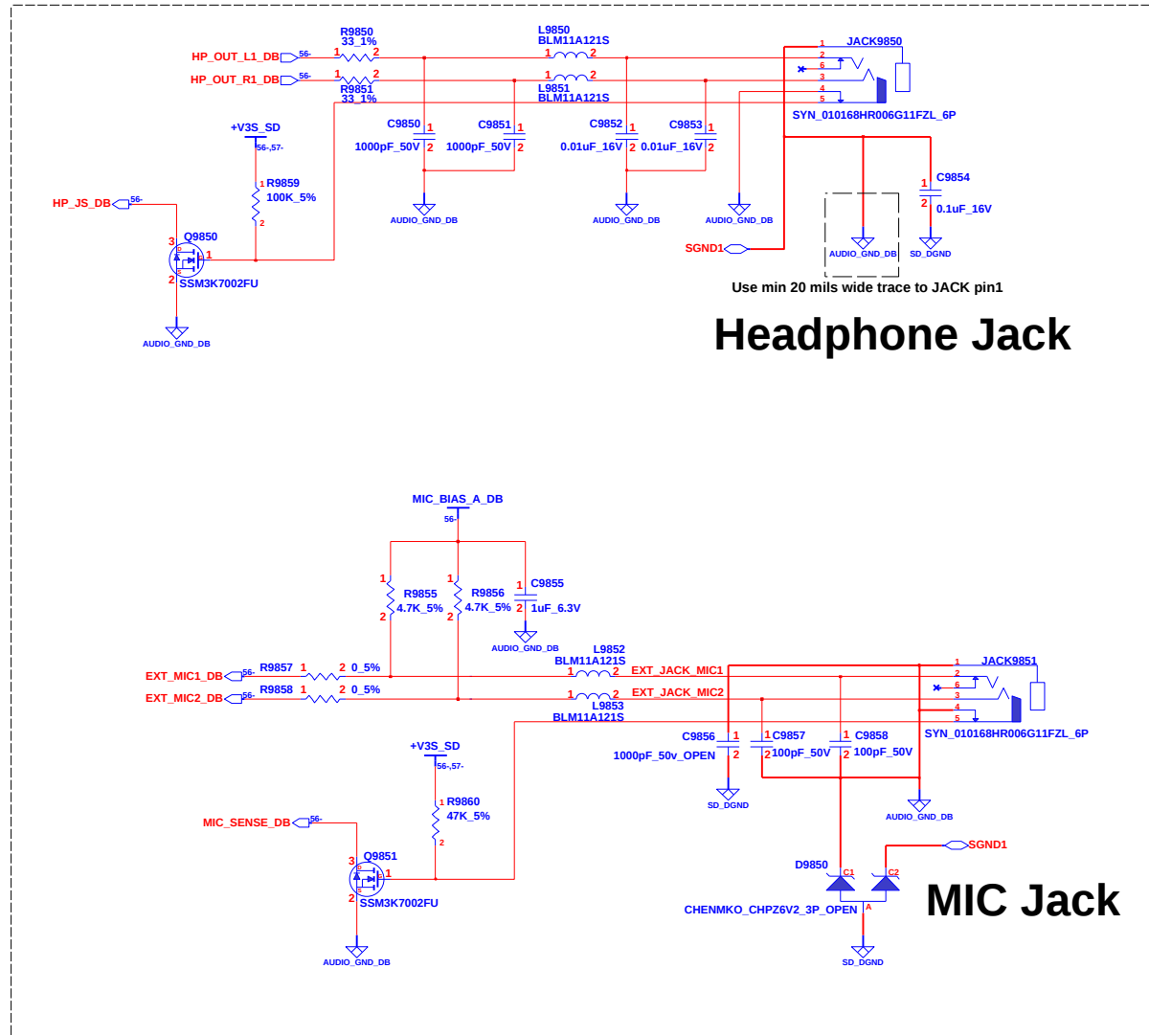
INVENTEC

 TITLE VV10AD2-Valima
Audio & Card Reader Board-1
(2 in 1 Card Reader)

SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310AZ3470-0-MT	RAX1

CHANGE by Drafter Name 9-Mar-2010

SHEET 56 OF 62



Audio & Card Reader board-2

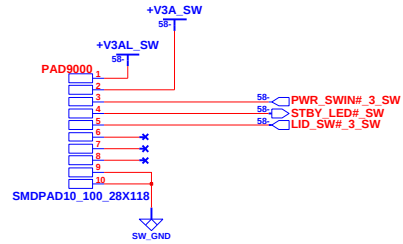
INVENTEC

TITLE **VV10AD2-Valima**
Audio & Card Reader Board-2
(HP & MIC JACKS)

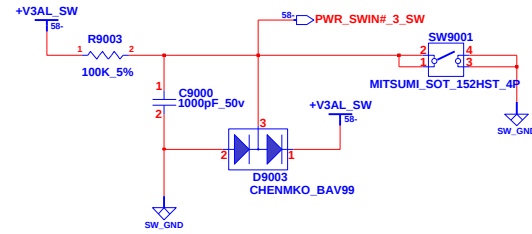
SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310A23470-0-MT	RAX1

CHANGE by *Drawn Name* 13-Jan-2010

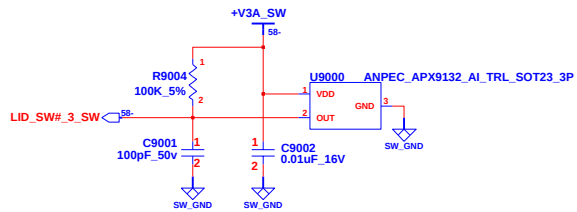
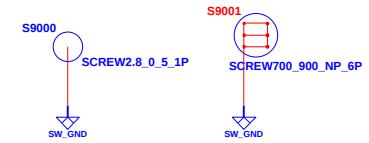
SHEET 57 OF 62



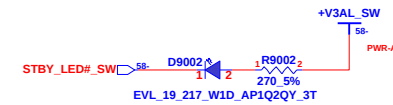
PWR SW B/B CONN



Power Button



LID Switch

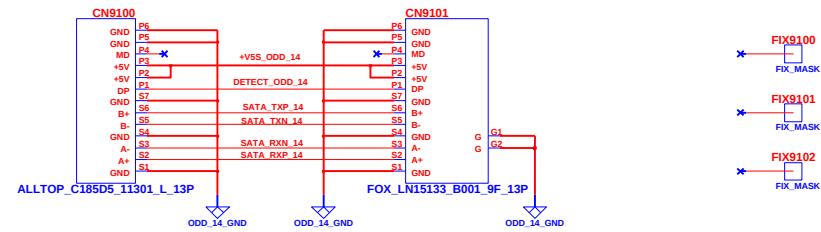


Power / Standby LED

Power Button & LID Switch Board

INVENTEC			
TITLE VV10AD2-Valima			
Power & LID board			
SIZE A3	CODE CS	DOC. NUMBER 1310A23470-0-MTR	REV AX1
SHEET 58		OF 62	

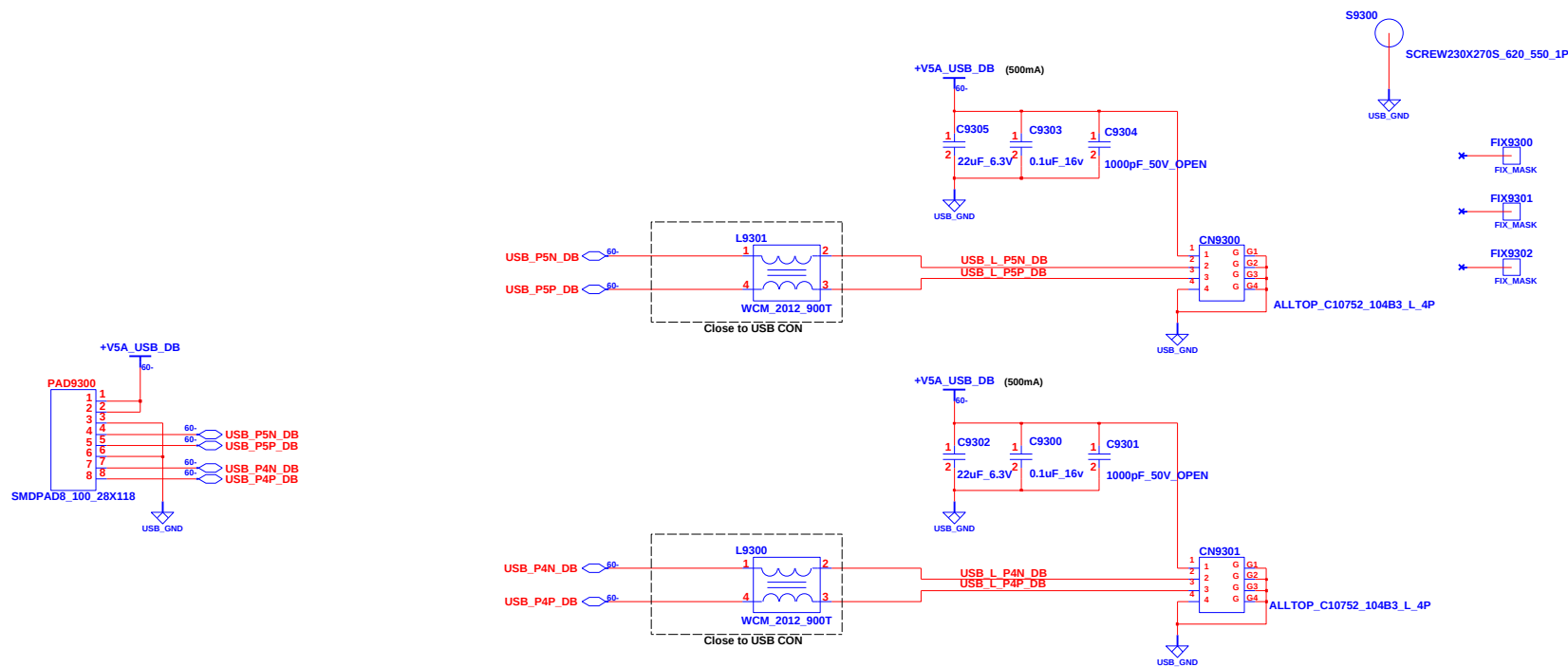
CHANGE by Drawer Name 23-Dec-2009



14''ODD Extend Board

INVENTEC			
TITLE VV10AD2-Valima 15" ODD Extend board			
SIZE A3	CODE CS	DOC. NUMBER 1310A23470-0-MTR	REV AX1
SHEET 59		OF 62	

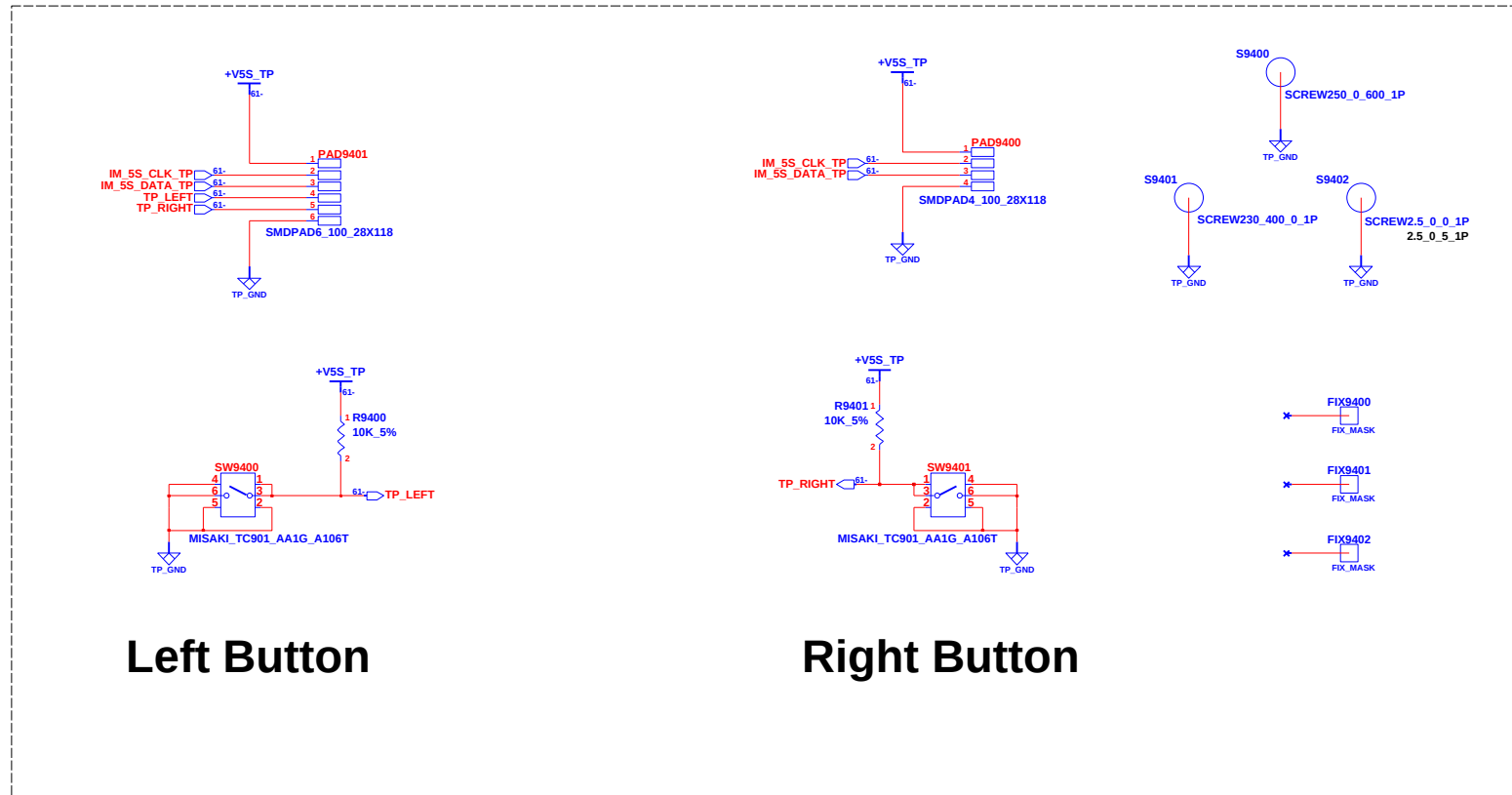
CHANGE by *Drawn Name* 5-Mar-2010



USB Right Side Board

INVENTEC			
TITLE VV10AD2-Valima USB Right side board			
SIZE A3	CODE CS	DOC. NUMBER 1310A23470-0-MTR	REV AX1
SHEET 60		OF 62	

CHANGE by *Draver Name* 19-Jan-2010



Left Button

Right Button

PICK Button Board

INVENTEC

TITLE			
VV10AD2-Valima			
Pick Button board			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A23470-0-MTR	AX1
SHEET		61	OF 62

CHANGE by *Drawn Name* 13-Jan-2010

BLANK

15" SATA HDD Extend Board

INVENTEC			
TITLE VV10AD2-Valima 15" HDD/B			
SIZE A3	CODE CS	DOC. NUMBER 15" HDD Extend/B	REV AX1
CHANGE by VV10A2		5-Mar-2010	
SHEET		62	OF 62