

<http://hobi-elektronika.net/>

Calcutta 10

CS Build (A01)

2010.04.09

INVENTEC

TITLE
Calcutta10

SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	000

CHANGE by *Drawn Name* 22-Mar-2010

SHEET 1 OF 56

<http://hobi-elektronika.net/>

TABLE OF CONTENTS

PAGE

1. COVER PAGE
2. INDEX
3. BLOCK DIAGRAM
4. POWER SEQUENCE BLOCK
5. PCB
6. SYSTEM POWER
7. SYSTEM POWER
8. SYSTEM POWER
9. SYSTEM POWER
10. SYSTEM POWER
11. SYSTEM POWER
12. SYSTEM POWER
13. SYSTEM POWER
14. SYSTEM POWER
15. SUPER I/O(KBC)
16. K/B & TP/B CONN
17. FAN & THERMAL
18. LAN
19. RJ45 & TRANSFORMER
20. AUDIO CODEC
21. AUDIO JACK
22. LCM
23. RGB CONN
24. BLANK
25. BLANK
26. SATA HDD & ODD
27. CARD READER
28. BLANK
29. BLANK
30. WLAN

PAGE

31. BLANK
32. BLANK
33. LED
34. CLOCK GENERATOR
35. DDR DIMM0
36. DDR DIMM1
37. CPU 1
38. CPU 2
39. CPU 3
40. CPU 4
41. CPU 5
42. CPU 6
43. PCH 1
44. PCH 2
45. PCH 3
46. PCH 4
47. PCH 5
48. PCH 6
49. PCH 7
50. PCH 8
51. PCH 9
52. BLANK
53. EMI
54. TP SWITCH BOARD
55. POWER BOARD
56. USB/CARDREADER

INVENTEC

TITLE Calcutta10			
Index			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV 000
SHEET 2		OF 56	

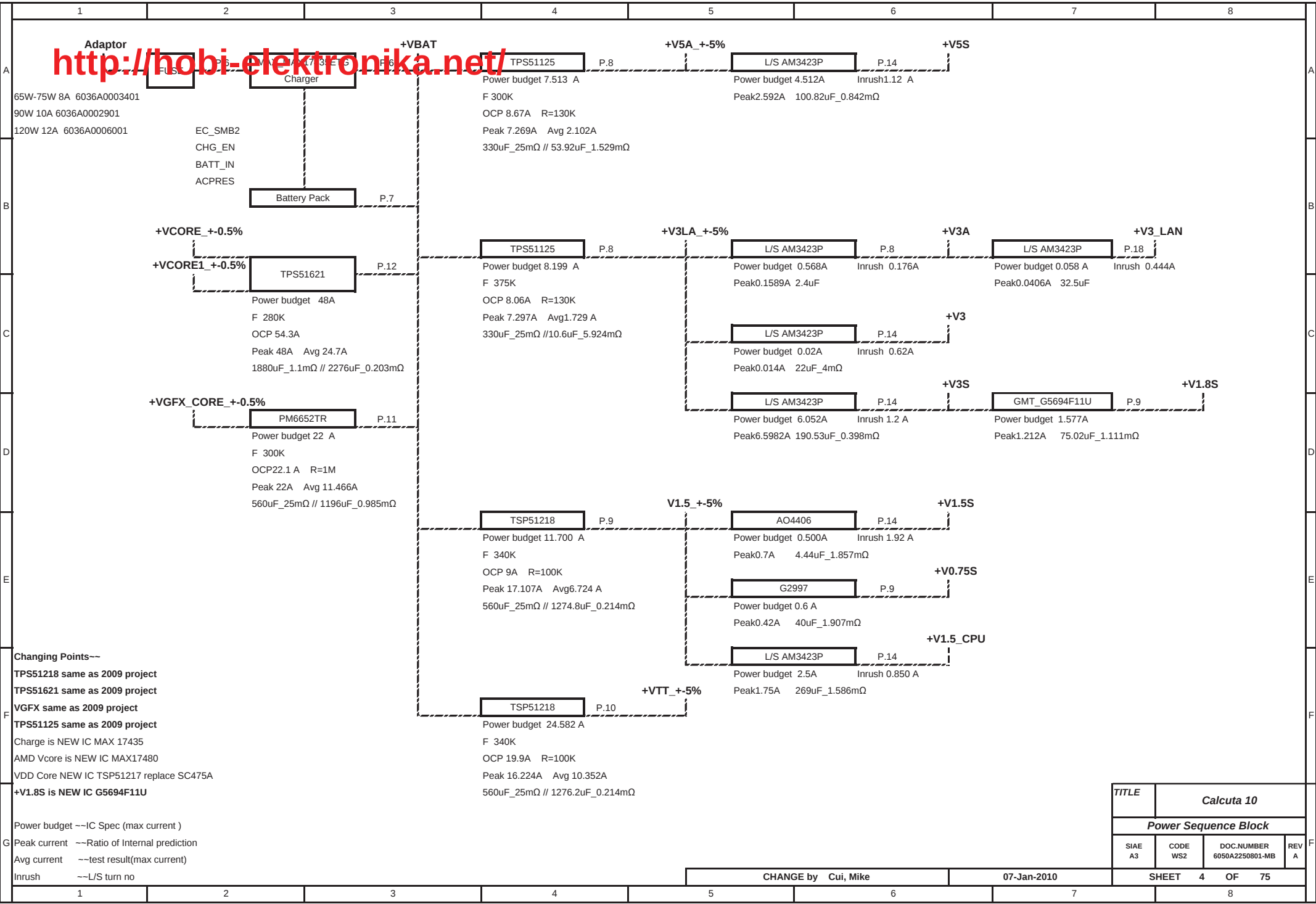
CHANGE by *Drawn Name* 7-Jan-2010

<http://hobi-elektronika.net/>

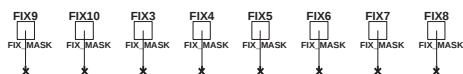
The diagram illustrates the system architecture of the Calcutta10 laptop. At the top center is the **CPU Arrandale (Socket-rPGA989)**. To its left is the **Clock Generator IDT_ICS9LRS3197AKLFT_MLF_32P**. To its right are two **DDR III _SODIMM0** and **DDR III _SODIMM1** modules, both operating at 800/1066 MHz, connected via a **1.5V DDR3 Interface**. Below the CPU is the **PCH HM 55** (Platform Controller Hub). The CPU connects to the PCH via **DMI** and **FDI** buses. The PCH manages various peripherals:

- Storage:** **SATA1** (HDD) and **SATA5** (ODD) are connected to the PCH.
- Display and Input:** **CRT** and **LCM** are connected to the PCH via a **GM** (Graphics/Memory) bus.
- USB and Other Peripherals:** A long row of USB-related components (USB2 RESERVE, USB1 Single USB, USB0 Single USB, USB3 RESERVE, USB4 RESERVE, USB5 WLAN, USB6 RESERVE, USB7 RESERVE, USB8 CARD READER, USB9 RESERVE, USB10 Webcam, USB11 RESERVE) are connected to the PCH via a **USB** bus.
- Power and Audio:** A **Battery** is connected to a **System Charger & DC/DC System power** block. A **CONEXANT CX20671** audio chip is connected to the PCH via a **3.3V, 33MHz/Azalia** interface and provides output to **Speaker**, **MIC JACK**, and **HP JACK**.
- Memory and Storage:** **EEROM** (EEPROM) is connected to the PCH via **SPI** and **BIOS EEROM** is connected via **SPI** to the **KBC WINB781L** (Keyboard Controller).
- Networking:** The PCH connects to **PCIE1** (Atheros AR8152-AL1E 10/100) and **PCIE2** (Mini Card WLAN). PCIE1 includes an **RJ45** port, and PCIE2 includes two **ANT** (Antenna) ports.

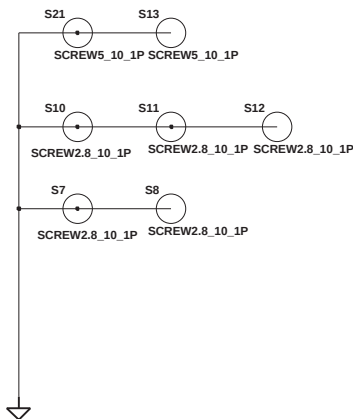
INVENTEC			
TITLE Calcutta10 Block Diagram			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	000
CHANGE by		Drawer_Name	22-Jan-2010
SHEET 3		OF 56	8



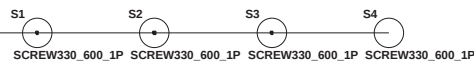
<http://hobi-elektronika.net/>



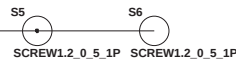
PCB



CPU



PCH



FAN



WLAN



INVENTEC

TITLE			
Calcutta10			
PCB			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	000
SHEET		5	OF 56

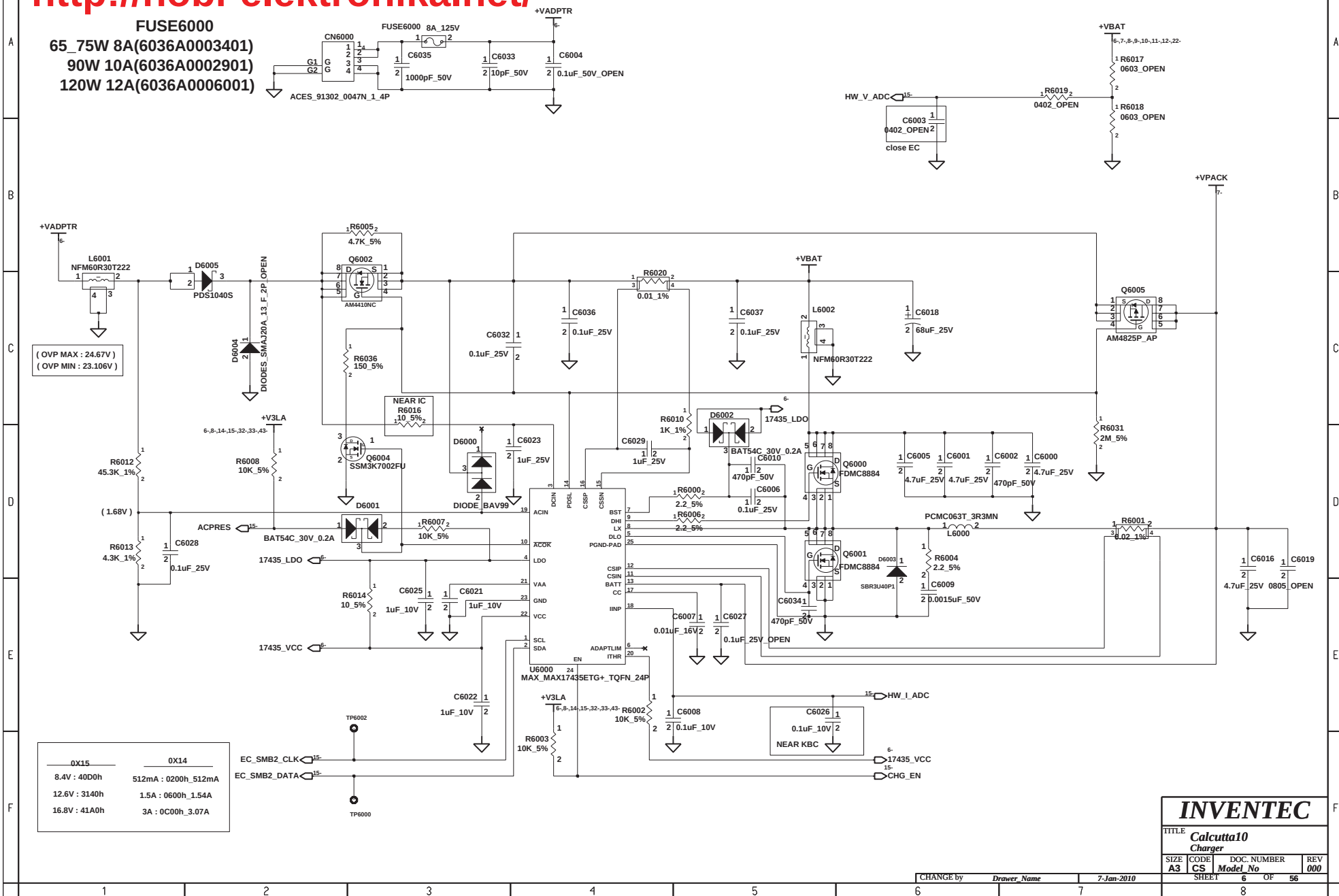
<http://hobi-elektronika.net/>

FUSE6000

65_75W 8A(6036A0003401)

90W 10A(6036A0002901)

120W 12A(6036A0006001)



INVENTEC

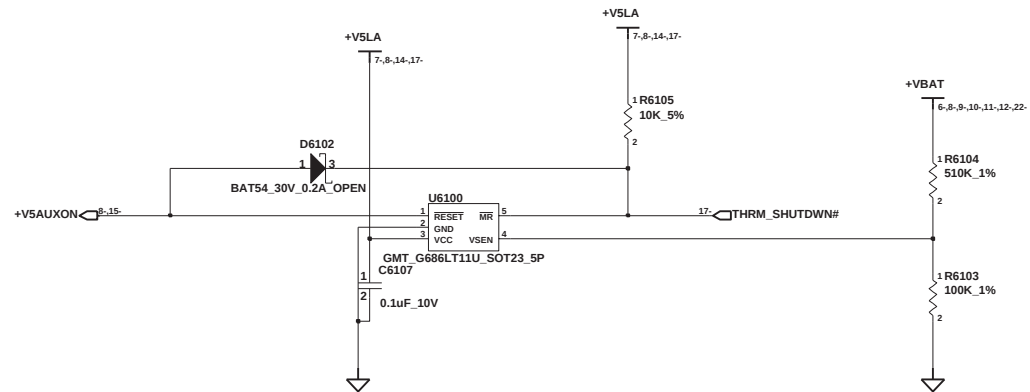
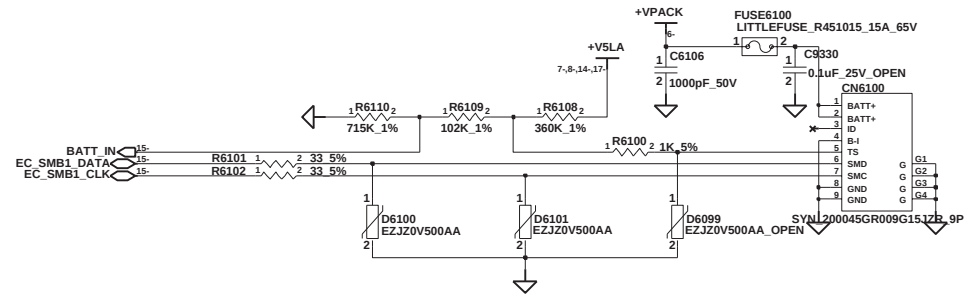
TITLE
**Calcutta10
Charger**

SIZE A3	CODE CS	DOC. NUMBER Model No	REV 000
-------------------	-------------------	--------------------------------	-------------------

CHANGE by *Drawer Name* 7-Jan-2010

SHEET 6 OF 56

<http://hobi-elektronika.net/>



INVENTEC

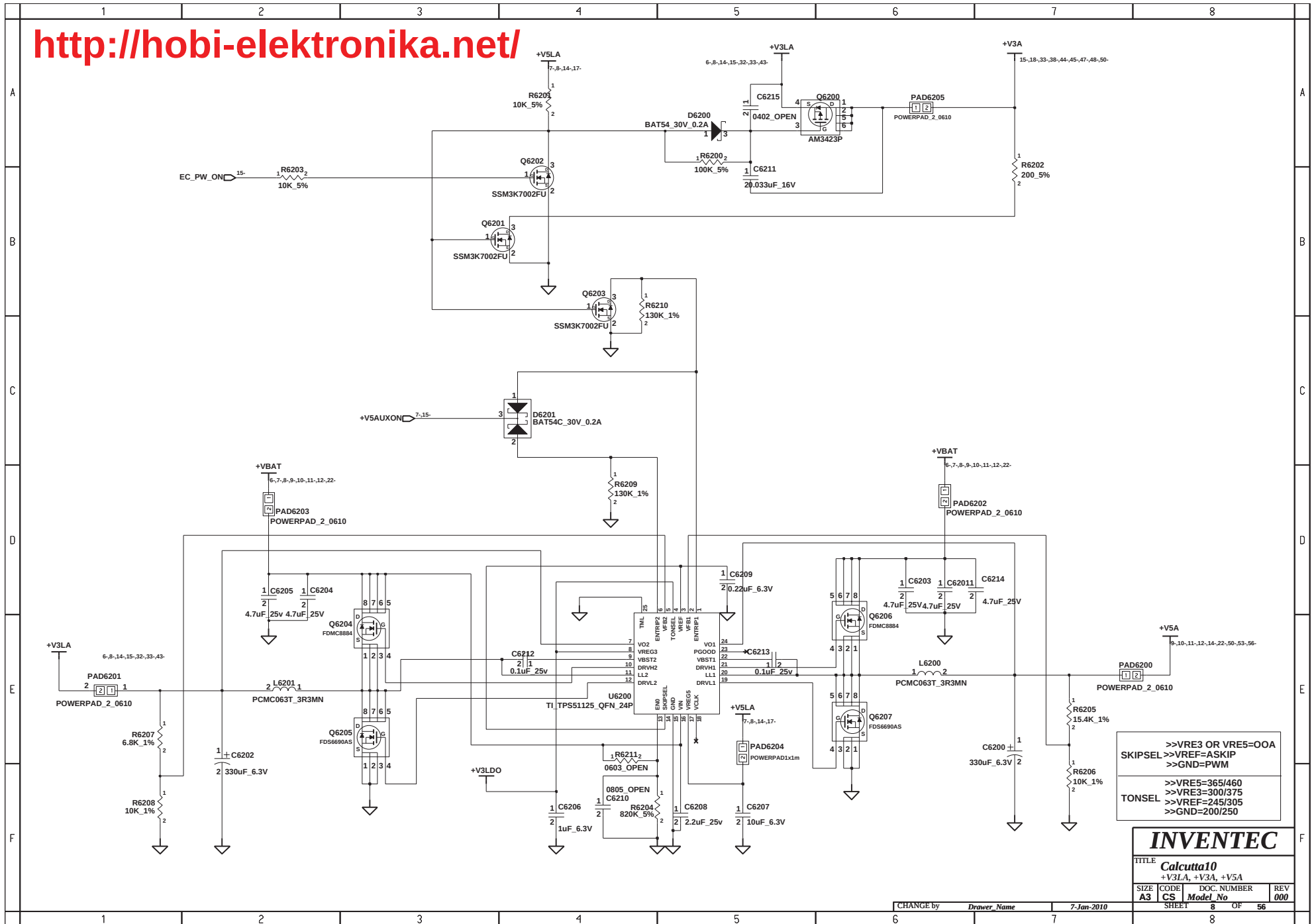
TITLE
Calcutta10
Battery, Reset IC

SIZE A3	CODE CS	DOC. NUMBER Model No	REV 000
SHEET 7		OF 56	

CHANGE by *Drawn Name* 7-Jan-2010

8

<http://hobi-elektronika.net/>



>>VRE3 OR VRE5=OOA
 SKIPSEL>>VREF=ASKIP
 >>GND=PWM
 >>VRE5=365/460
 >>VRE3=300/375
 TONSEL >>VREF=245/305
 >>GND=200/250

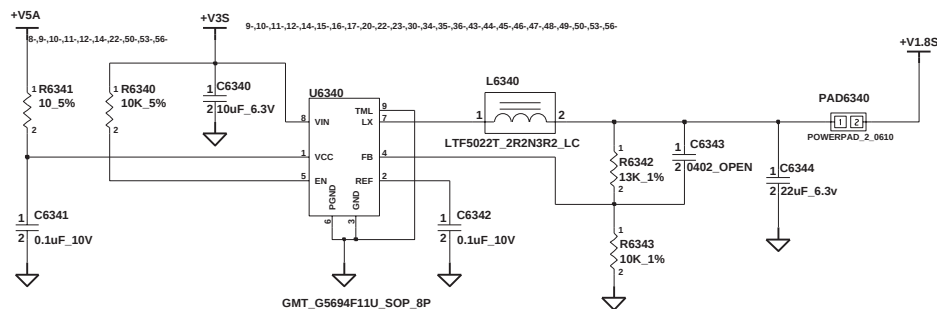
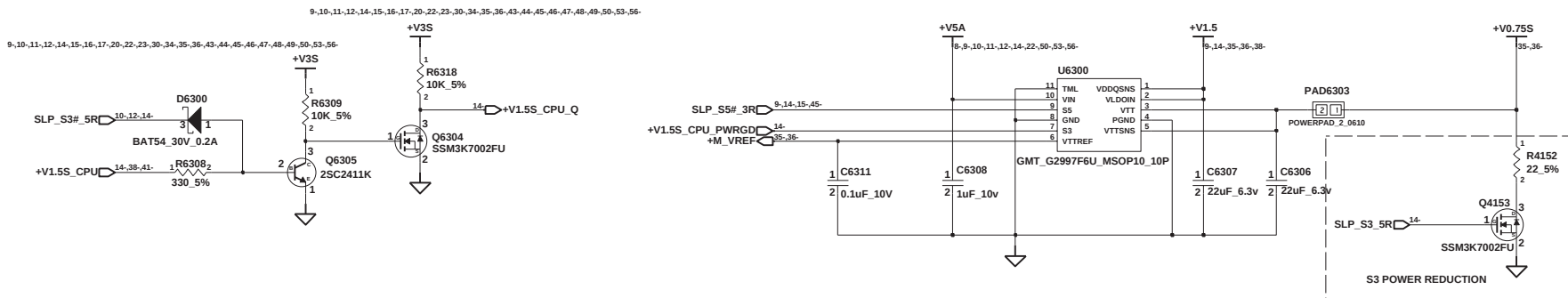
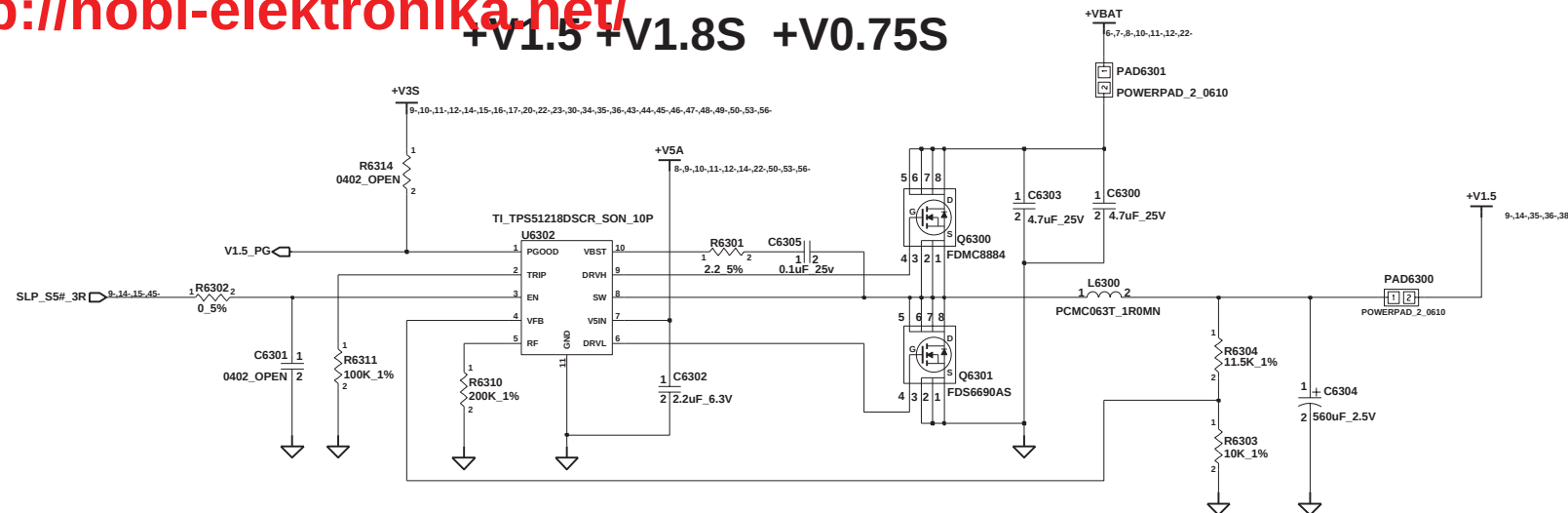
INVENTEC

TITLE			
Calcutta10			
+V3LA, +V3A, +V5A			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	000
SHEET		8	OF 56

CHANGE by *Drawer Name* 7-Jan-2010

<http://hobi-elektronika.net/>

+V1.5 +V1.8S +V0.75S



INVENTEC			
TITLE			
Calcutta10			
+V1.5, +V1.8S, +V0.75S			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	000
SHEET		9	OF 56

CHANGE by *Drawn Name* 7-Jan-2010

<http://hobi-elektronika.net/>

PCB LAYOUT

TI TPS51218DCR_SON_10P

U6400

Q6401 TPCAB040_H

Q6400 TPCAB040_H

L6400 PAN_ETQP4LR36WFC_4P

C6408 4.7uF_25V2

C6409 4.7uF_25V2

C6405 4.7uF_25V

C6401 2.2uF_6.3V

C6404 0.1uF_10V

C6407 1000pF_50V

C6406 9.76K_1%

C6412 0402_OPEN

C6410 560uF_2.5V

C6417 330uF_2V_15mR_Pana_-35%

R6403 10K_5%

R6402 >100K_1%

R6423 470K_1%

R6401 2.2_5%

R6400 0.22uF_25V

R6424 0402_OPEN

R6407 4.99K_1%

R6404 200_1%

R6422 0.5%

R6408 20K_1%

R6410 100_1%

R6421 0.5%

VTT_PG 12-15

SLP_S3#_5R 8-12-14

R6409 0_5%

V3S 9-11-12-14-15-16-17-20-22-23-30-34-35-36-43-44-45-46-47-48-49-50-53-56

V5A 8-9-11-12-14-22-50-53-56

+VBAT 6-7-8-9-11-12-22

PAD6401 POWERPAD_2_0610

PAD6404 POWERPAD_2_0610

PAD6400 POWERPAD_2_0610

VTT 12-34-38-40-41-43-44-45-48-49-50-53

VSS_SENSE_VTT 40

VTT_SENSE 40

INVENTEC

TITLE Calcutta10

+VTT, +V1.05S

SIZE A3

CODE CS

DOC. NUMBER Model No

REV 000

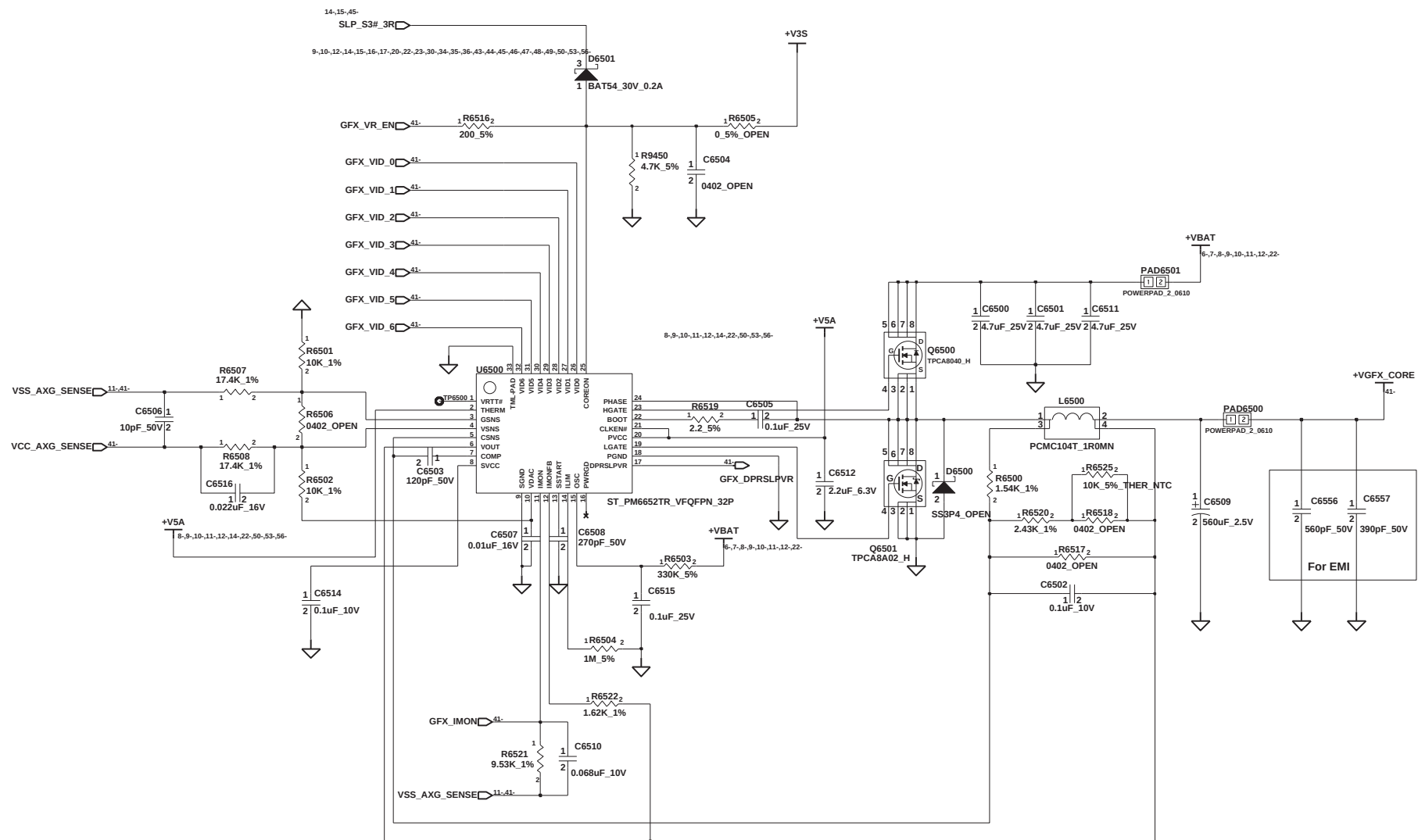
CHANGE by Drawer_Name

7-Jan-2010

SHEET 10 **OF** 56

8

<http://hobi-elektronika.net/>

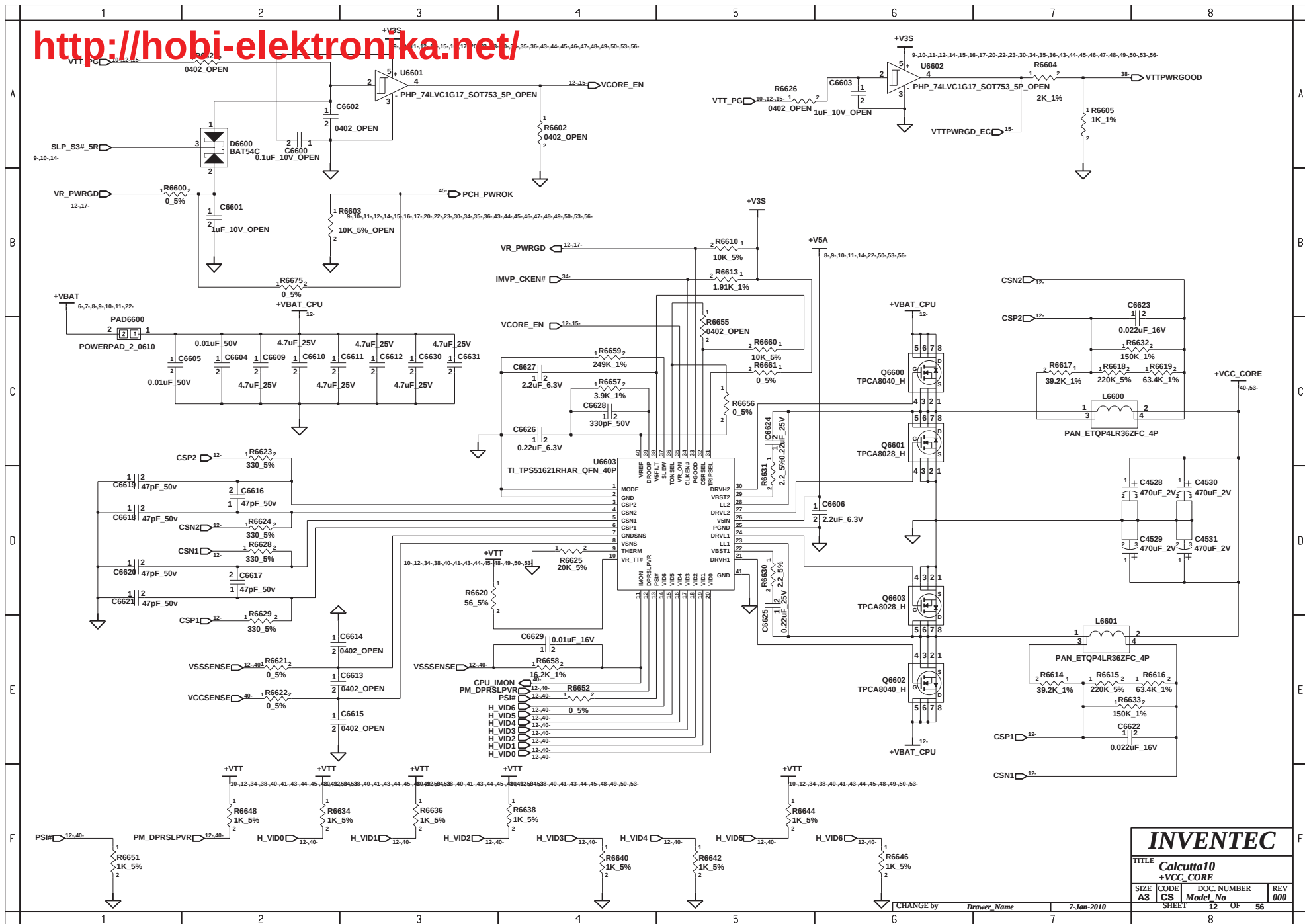


INVENTEC

TITLE			
Calcutta10 +VGFX_CORE			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	000
SHEET		11 OF	56
		8	

CHANGE by *Drawn Name* 7-Jan-2010

<http://hobi-elektronika.net/>



INVENTEC

TITLE
Calcutta10
+VCC_CORE

SIZE A3	CODE CS	DOC. NUMBER Model No	REV 000
SHEET 12		OF 56	

CHANGE by *Drawer Name* 7-Jan-2010

8

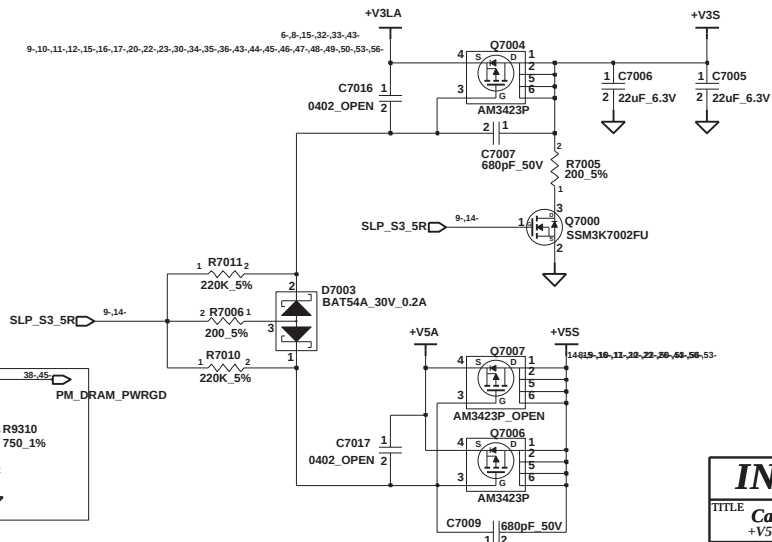
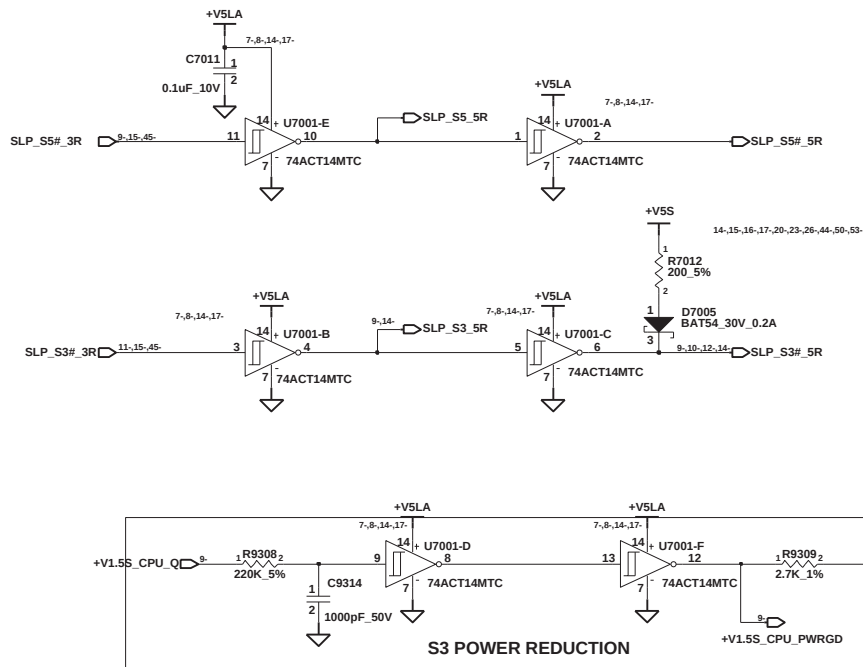
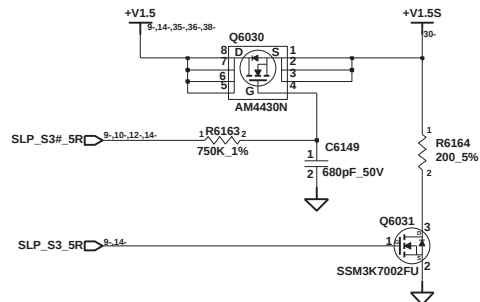
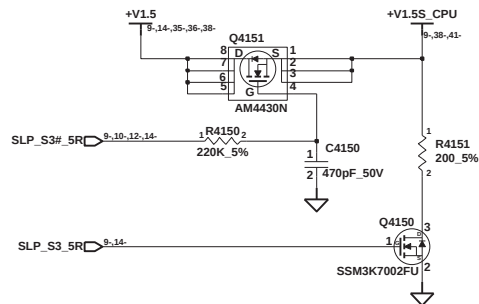
	1	2	3	4	5	6	7	8	
A	http://hobi-elektronika.net/								A
B									B
C									C
D									D
E									E
F									F
	1	2	3	4	5	6	7	8	

BLANK

INVENTEC			
TITLE <i>Calcutta10</i>			
SIZE A3	CODE CS	DOC. NUMBER <i>Model No</i>	REV 000
SHEET 13		OF 56	

CHANGE by *Drawn Name* 7-Jan-2010

+V5S +V3S +V1.5S +V1.5S_CPU



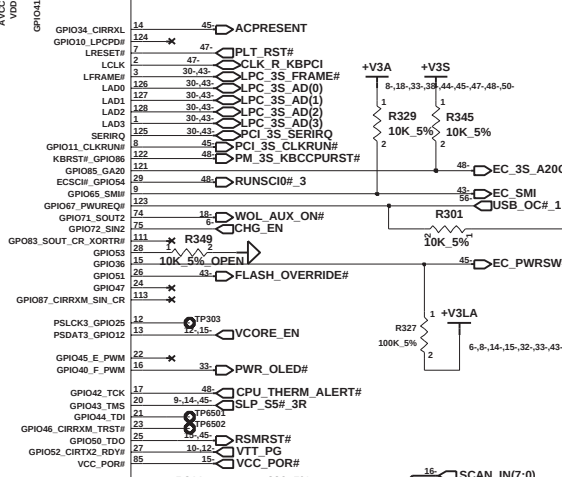
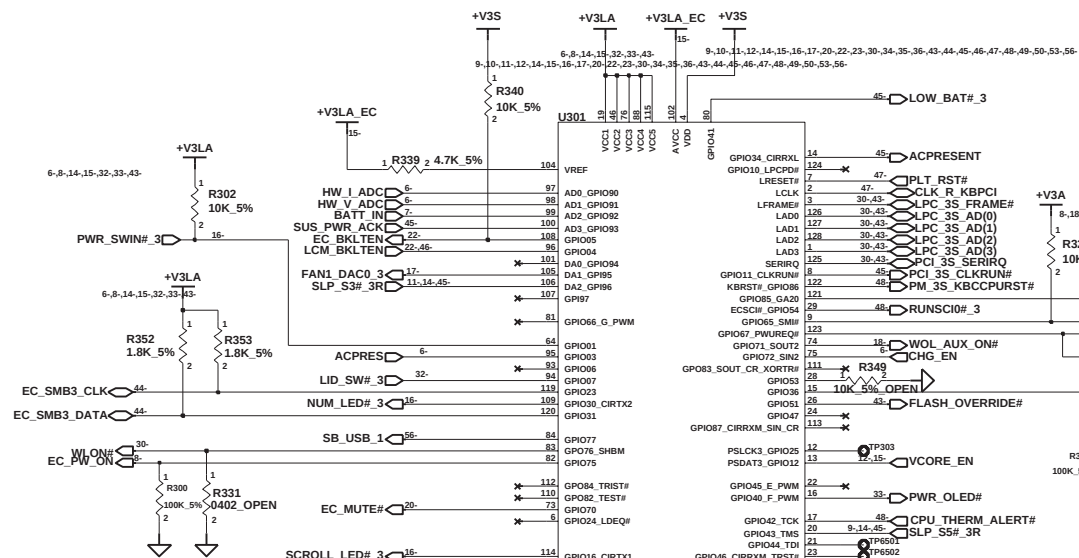
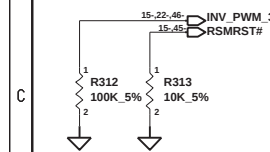
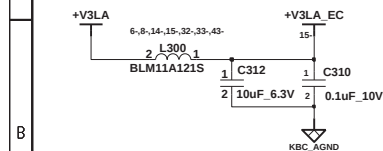
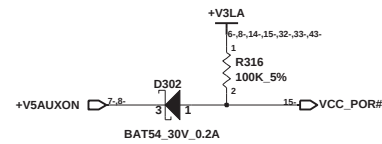
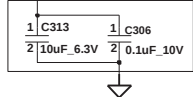
TITLE			
Calcutta10 +V5S +V3S +V1.5S			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	000
SHEET		14	OF 56

CHANGE by	<i>Drawer_Name</i>	7-Jan-2010
-----------	--------------------	------------

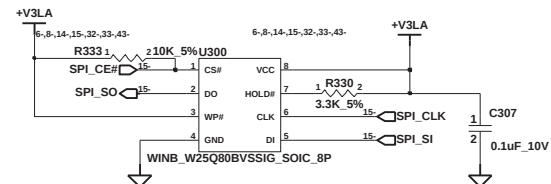
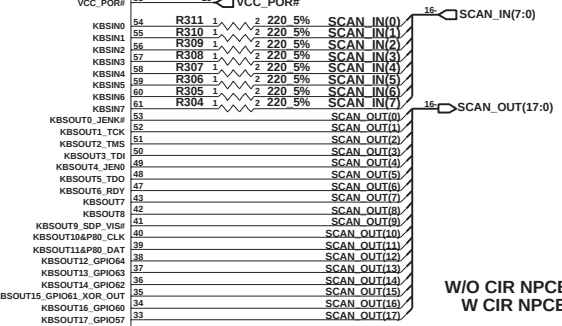
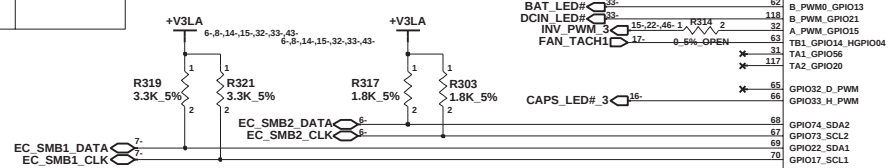
8

6-8-14-15-32-33-43-

$\frac{1}{2} \text{C308 } 10\mu\text{F}_6.3\text{V}$ $\frac{1}{2} \text{C305 } 0.1\mu\text{F}_{10\text{V}}$ $\frac{1}{2} \text{C311 } 0.1\mu\text{F}_{10\text{V}}$ $\frac{1}{2} \text{C300 } 0.1\mu\text{F}_{10\text{V}}$ $\frac{1}{2} \text{C304 } 0.1\mu\text{F}_{10\text{V}}$ $\frac{1}{2} \text{C303 } 0.1\mu\text{F}_{10\text{V}}$



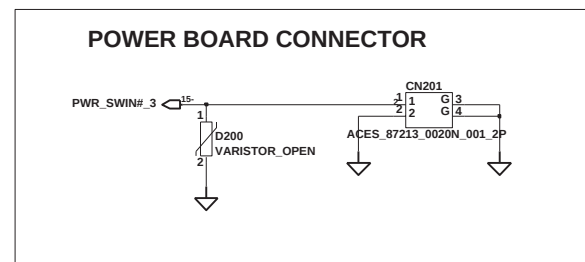
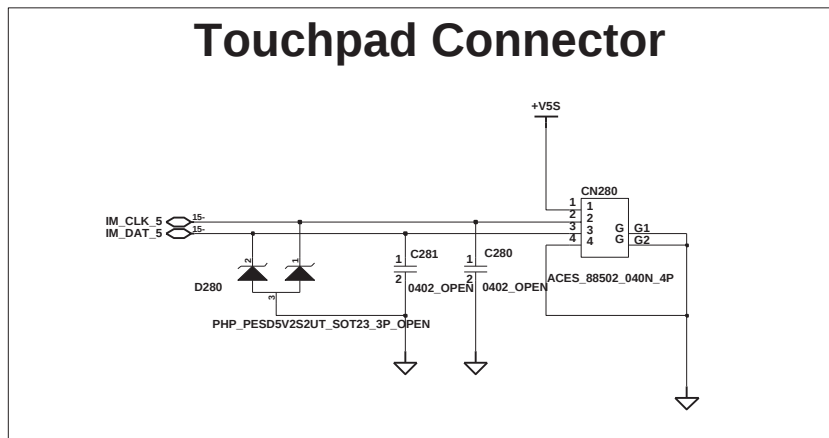
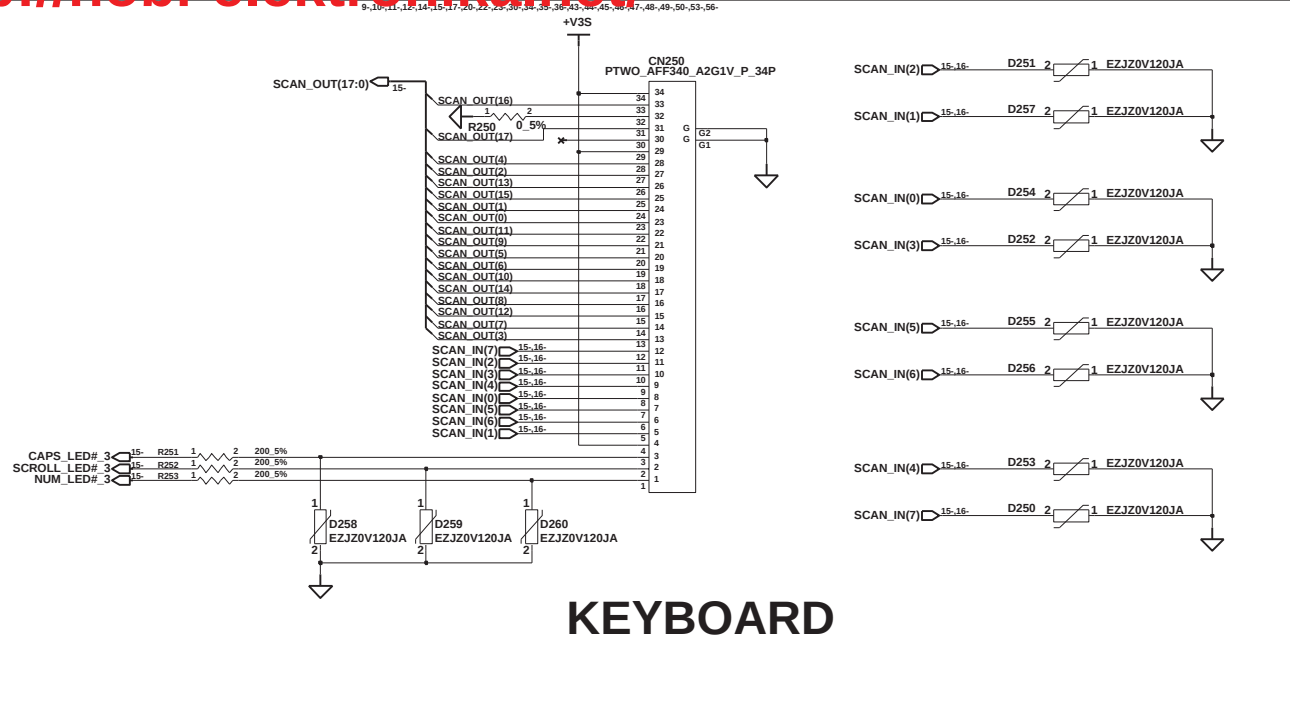
EC_SMB1	EC_SMB2	EC_SMB3
1. Battery	1. Charge	2. CPU Thermal
2. 3D SENSOR	2. GPU Thermal	



W/O CIR NPCE781L P/N 6019B0601401
W CIR NPCE781C P/N 6019B0623301

INVENTEC			
TITLE <i>Calcutta10</i>			
EC			
SIZE A3	CODE CS	DOC. NUMBER <i>Model No</i>	REV 000
SHEET		15	OF 56

<http://hobi-elektronika.net/>



INVENTEC			
TITLE			
Calcutta10 Keyboard, Touch PAD			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	000
CHANGE by		7-Jan-2010	
DRAWER Name			
SHEET		16	OF 56
		8	

A



C

E



RSET=0.0012*T²- 0.9308*T+96.147
Hysteresis is 30C



B

C

D

E

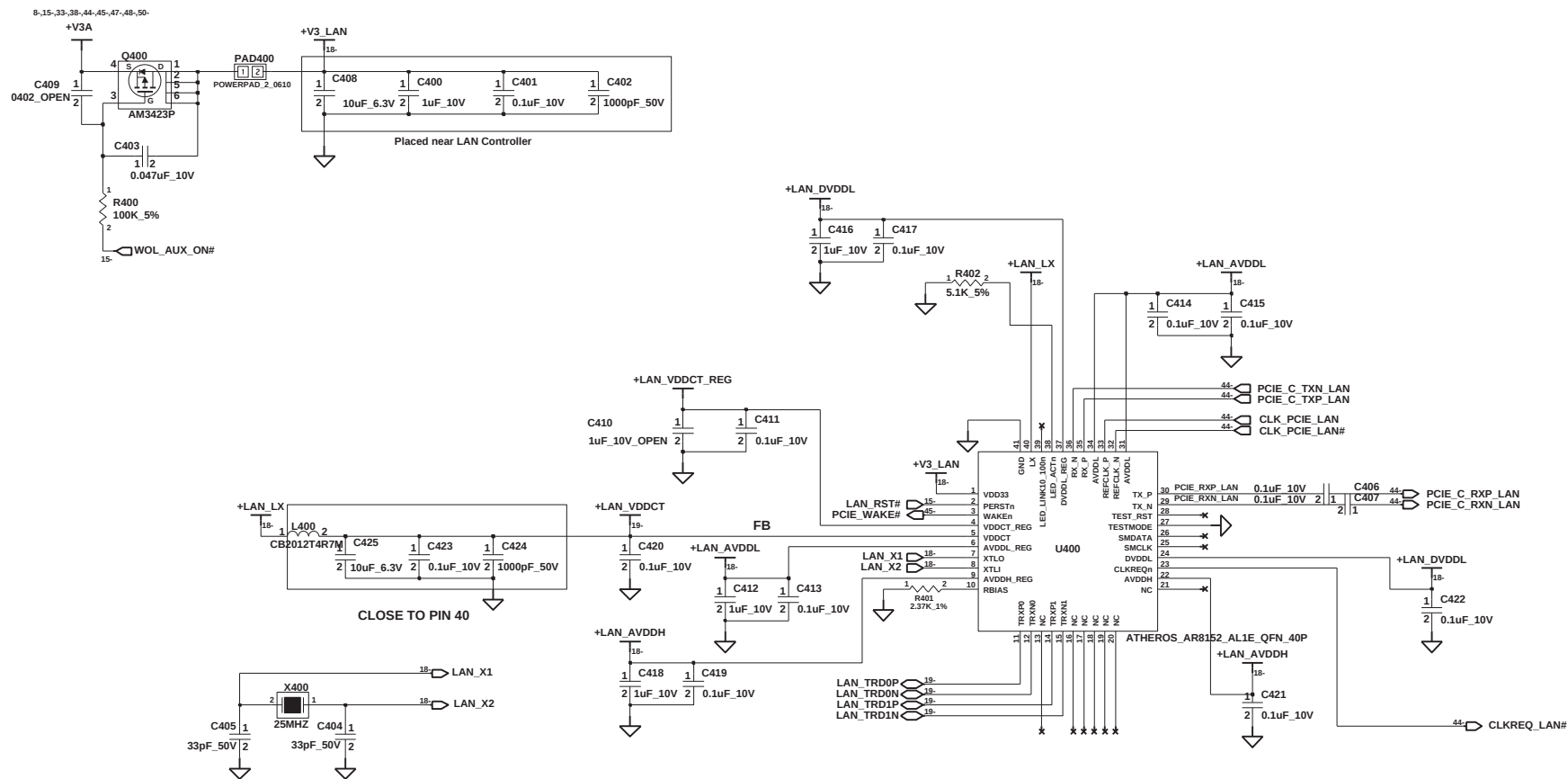
F

TITLE			
Calcutta10 FAN, Thermal controller			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	000
SHEET 17 OF 55			

CHANGE by	<i>Drawer Name</i>	7-Jan-2010
-----------	--------------------	------------

CS Model No
SHEET 17 OF 56

<http://hobi-elektronika.net/>



INVENTEC

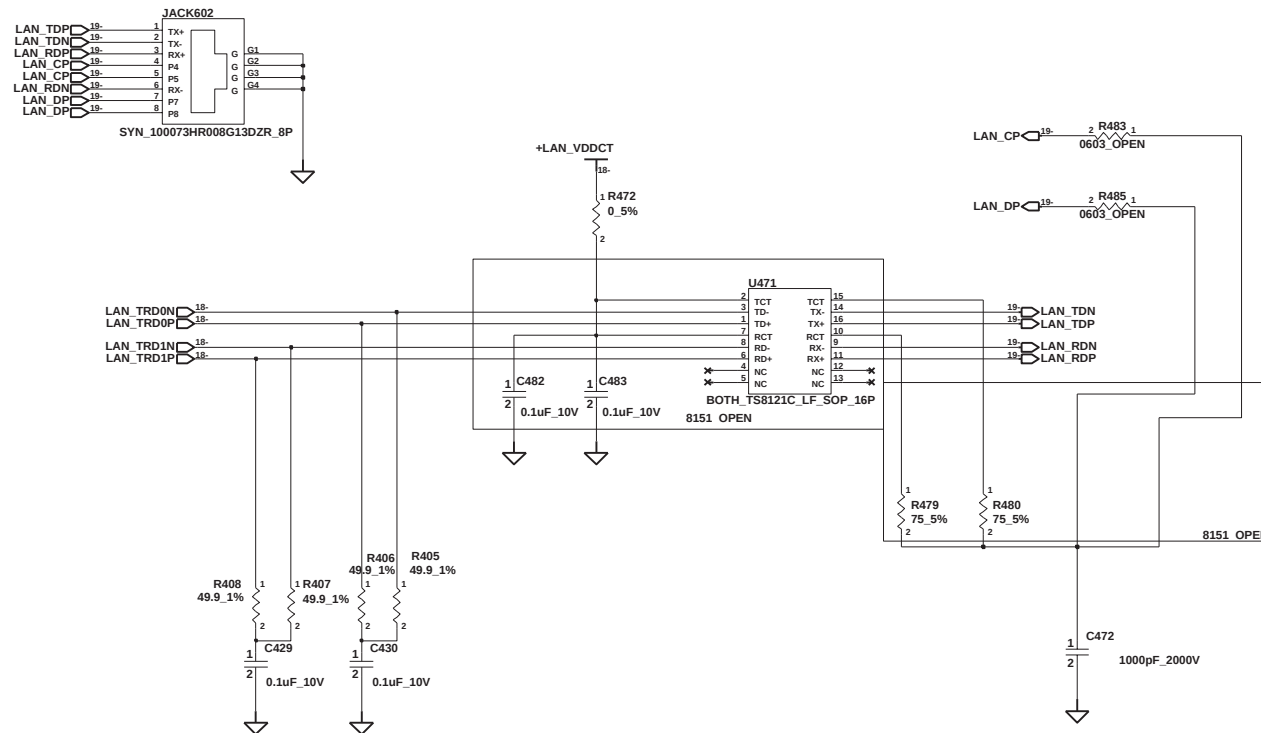
TITLE
Calcutta10
LAN

SIZE A3	CODE CS	DOC. NUMBER Model No	REV 000
-------------------	-------------------	--------------------------------	-------------------

CHANGE by *Drawn Name* 7-Jan-2010

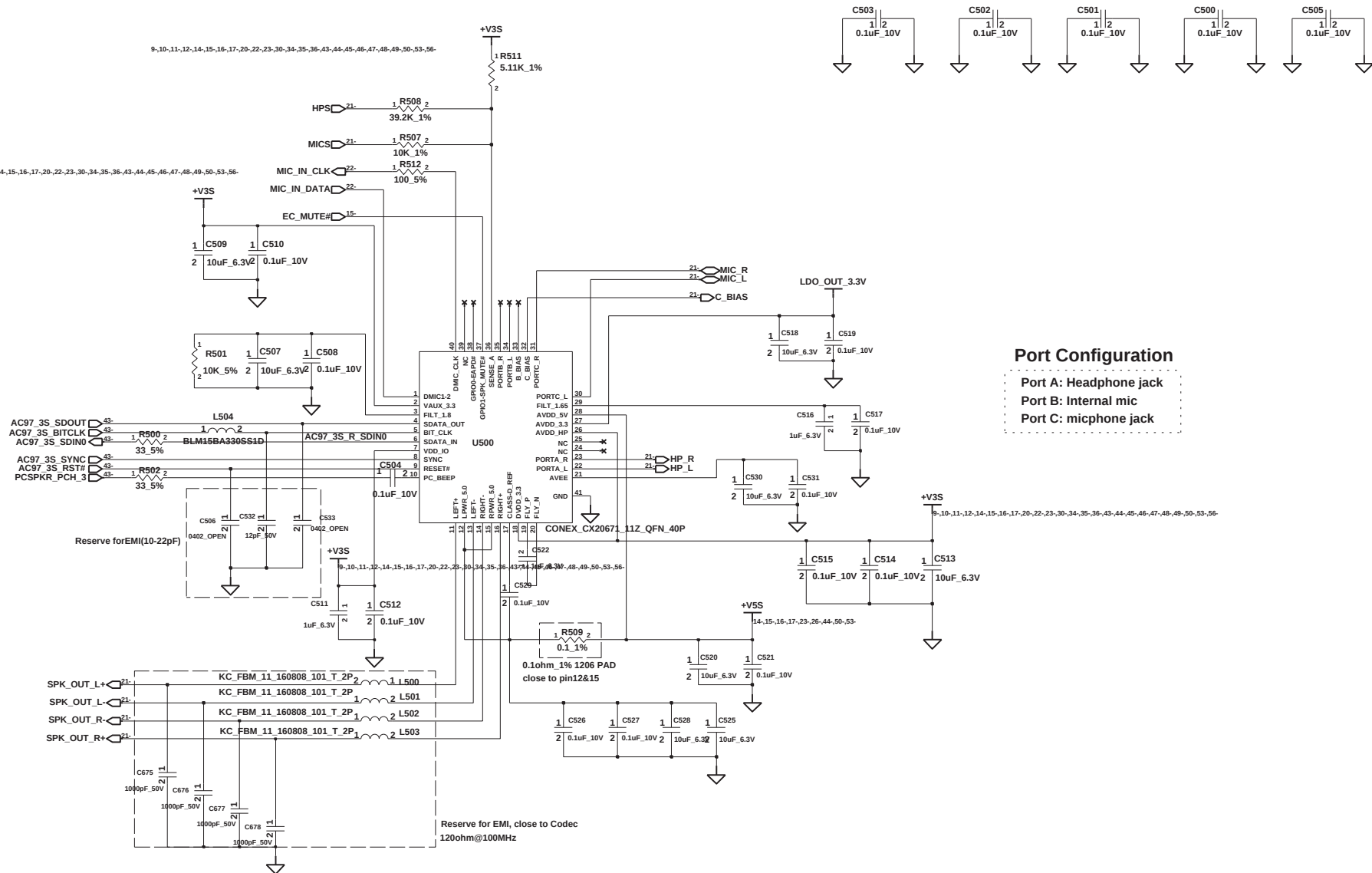
SHEET 18 OF 56

<http://hobi-elektronika.net/>



INVENTEC			
TITLE			
Calcutta10 Transformer, RJ45			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	000
CHANGE by		Drawer Name	7-Jan-2010
SHEET		19	OF 56

<http://hobi-elektronika.net/>



Port Configuration

Port A: Headphone jack
Port B: Internal mic
Port C: microphone jack

INVENTEC

TITLE
Calcutta10
AUDIO CODEC

SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	000

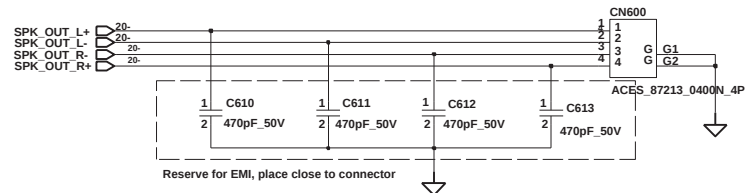
SHEET	20	OF	56
-------	----	----	----

CHANGE by *Drawn Name* 7-Jan-2010

8

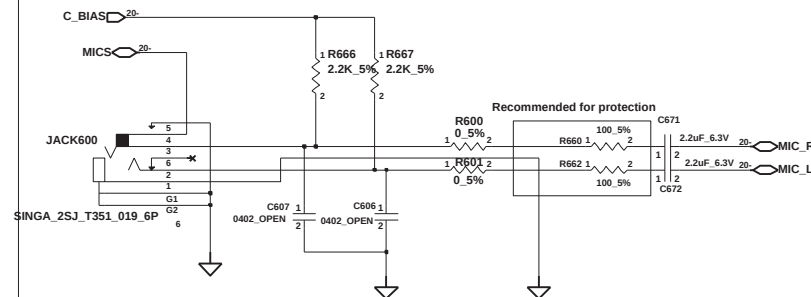
<http://hobi-elektronika.net/>

INTERNAL SPEAKERS

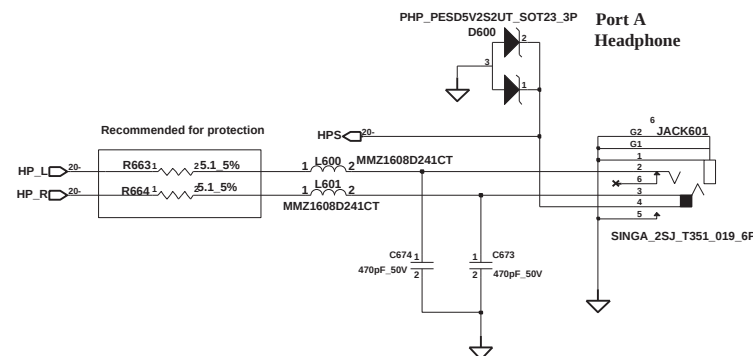


AUDIO JACKS

Port C
External microphone



Port A
Headphone



INVENTEC

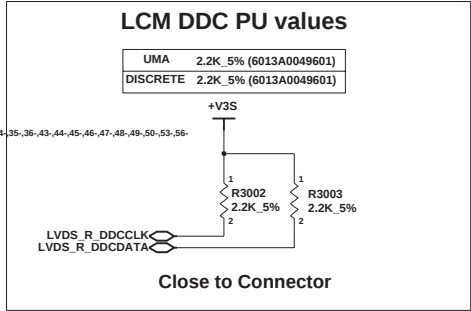
TITLE
Calcutta10
AUDIO JACK
SIZE CODE DOC. NUMBER REV
A3 CS Model No **21** OF **56** **000**

CHANGE by *Drawer Name* 7-Jan-2010

8

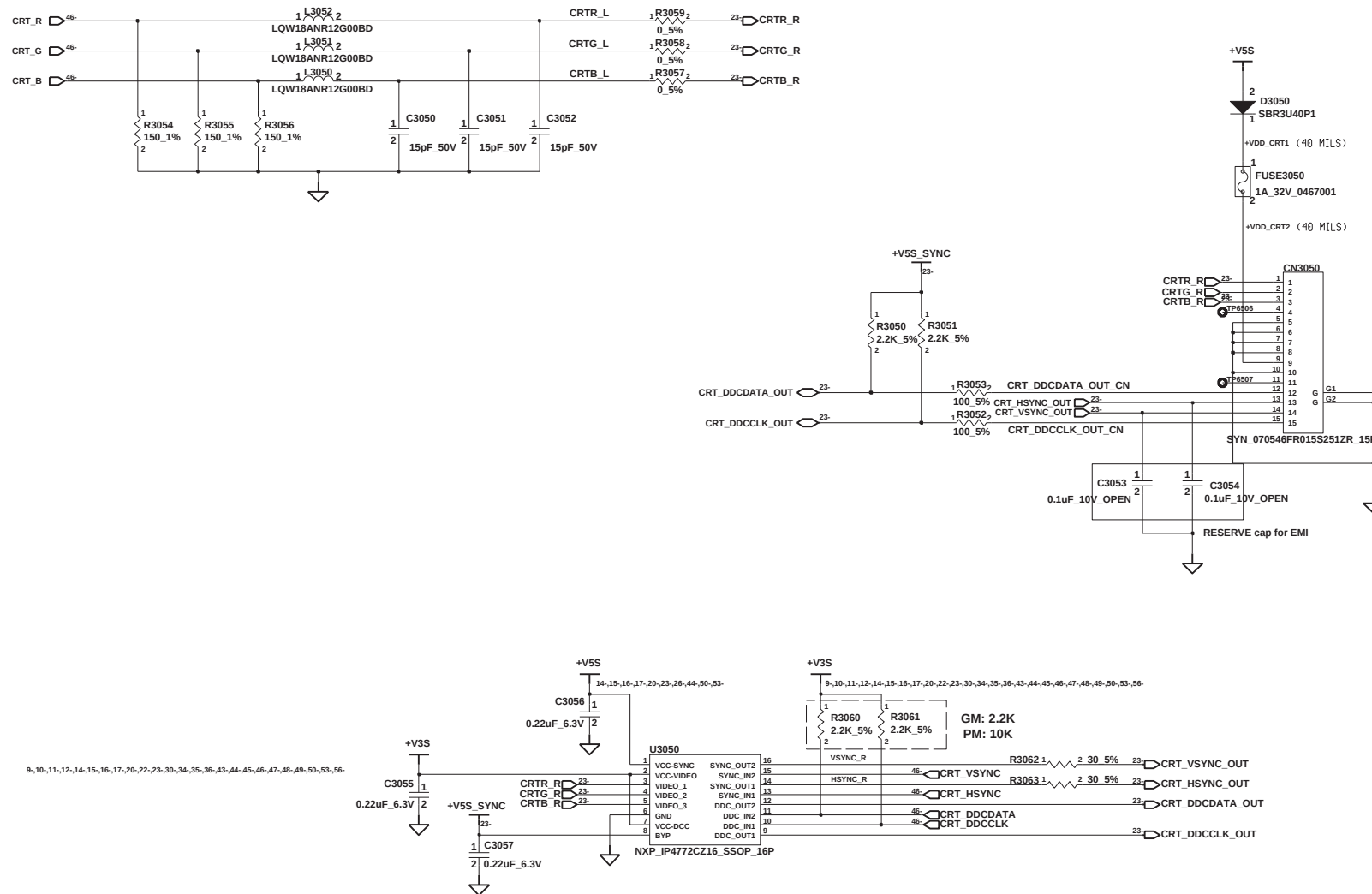
F

F



CHANGE by	<i>Drawer Name</i>	7-Jan-2010
-----------	--------------------	------------

<http://hobi-elektronika.net/>



INVENTEC

TITLE			
Calcutta10			
CRT			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	000
SHEET		23	OF 56

CHANGE by *Drawer Name* 7-Jan-2010

8

	1	2	3	4	5	6	7	8	
A	http://hobi-elektronika.net/								A
B									B
C									C
D									D
E									E
F									F
	1	2	3	4	5	6	7	8	

BLANK

INVENTEC			
TITLE Calcutta10			
HDMI LEVEL SHIFTER			
SIZE A3	CODE CS	DOC. NUMBER <i>Model No</i>	REV 000
CHANGE by <i>Drawer Name</i>		7-Jan-2010	
SHEET		24	OF 56

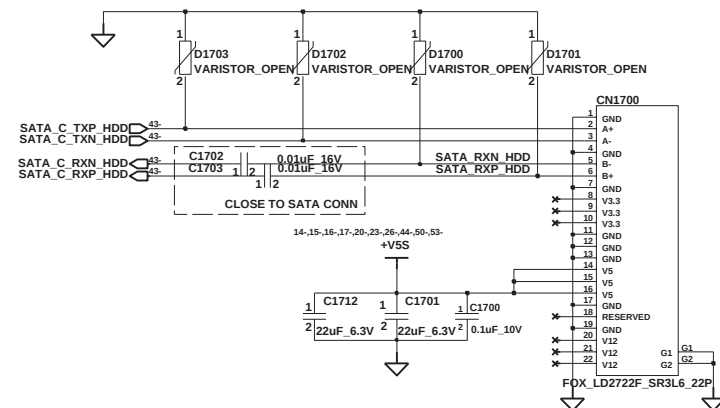
	1	2	3	4	5	6	7	8	
A	http://hobi-elektronika.net/								A
B									B
C									C
D									D
E									E
F									F
	1	2	3	4	5	6	7	8	

BLANK

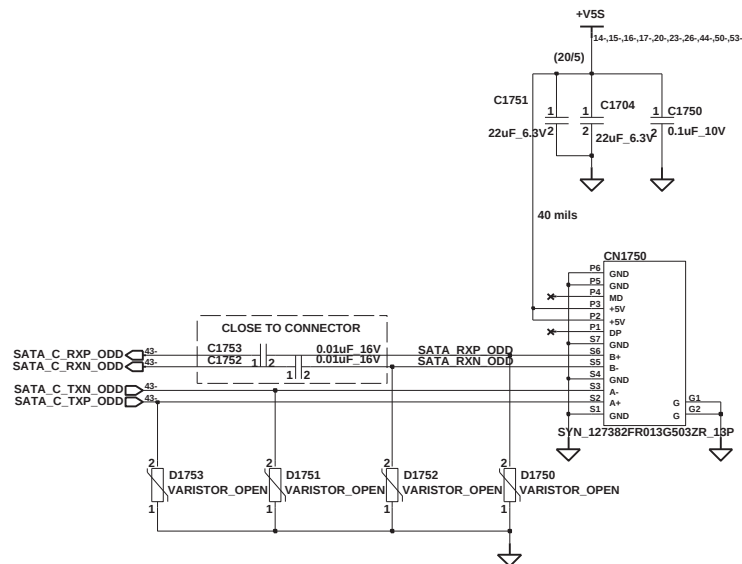
INVENTEC			
TITLE <i>Calcutta10 HDMI</i>			
SIZE A3	CODE CS	DOC. NUMBER <i>Model No</i>	REV 000
SHEET		25	OF 56

CHANGE by *Drawer Name* 7-Jan-2010

<http://hobi-elektronika.net/>



SATA HDD



SATA ODD

INVENTEC			
TITLE			
Calcutta10			
SATA HDD, SATA ODD			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	000
CHANGE by		Drawer Name	7-Jan-2010
SHEET		26	OF 56

	1	2	3	4	5	6	7	8	
A	http://hobi-elektronika.net/								A
B									B
C									C
D									D
E									E
F									F
	1	2	3	4	5	6	7	8	

BLANK

INVENTEC			
TITLE Calcutta10			
CARD READER & USB CNTR			
SIZE A3	CODE CS	DOC. NUMBER <i>Model No</i>	REV 000
CHANGE by <i>Drawer Name</i>		7-Jan-2010	
SHEET		27	OF 56

	1	2	3	4	5	6	7	8	
A	http://hobi-elektronika.net/								A
B									B
C									C
D									D
E									E
F									F
	1	2	3	4	5	6	7	8	

BLANK

INVENTEC			
TITLE <i>Calcutta10</i>			
USB & eSATA COMBO			
SIZE A3	CODE CS	DOC. NUMBER <i>Model No</i>	REV 000
CHANGE by <i>Drawer Name</i>		7-Jan-2010	
SHEET		28	OF 56

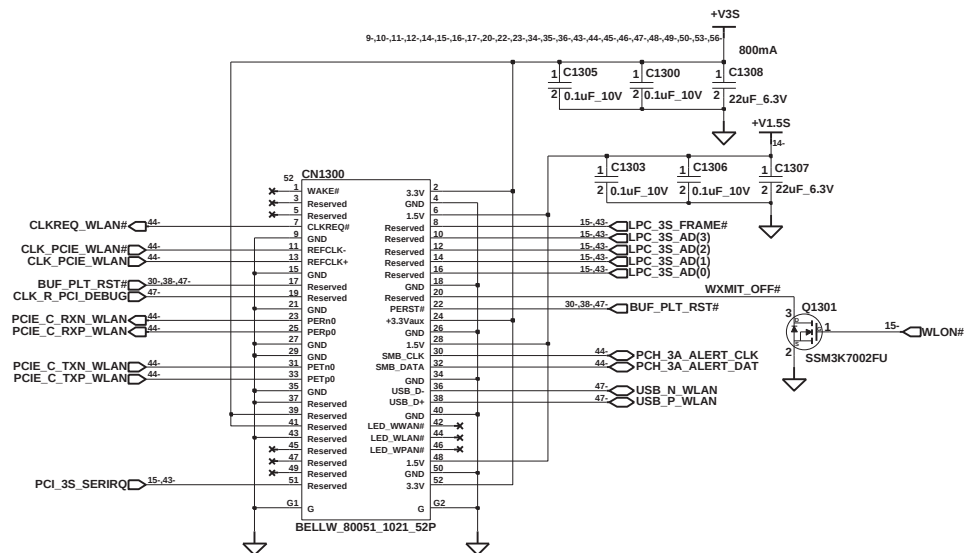
	1	2	3	4	5	6	7	8	
A	http://hobi-elektronika.net/								A
B									B
C	BLANK								C
D									D
E									E
F									F
	1	2	3	4	5	6	7	8	

INVENTEC

TITLE			
<i>Calcutta10</i>			
<i>BlueTooth</i>			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	<i>Model No</i>	000
SHEET		29	OF 56

<http://hobi-elektronika.net/>

Wireless & Debug card



INVENTEC

TITLE			
Calcutta10			
WLAN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	000
SHEET		30 OF	56

CHANGE by *Drawn Name* 7-Jan-2010

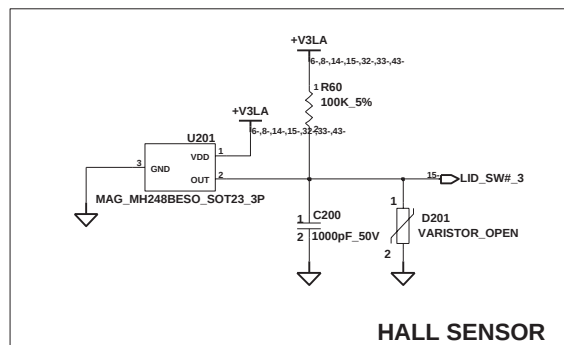
8

	1	2	3	4	5	6	7	8	
A	http://hobi-elektronika.net/								A
B									B
C									C
D									D
E									E
F									F
	1	2	3	4	5	6	7	8	

BLANK

INVENTEC			
TITLE <i>Calcutta10</i>			
3G			
SIZE A3	CODE CS	DOC. NUMBER <i>Model No</i>	REV 000
CHANGE by <i>Drawer Name</i>		7-Jan-2010	
SHEET		31	OF 56

<http://hobi-elektronika.net/>



HALL SENSOR

INVENTEC			
TITLE <i>Calcutta10</i> Hall Sensor			
SIZE A3	CODE CS	DOC. NUMBER <i>Model No</i>	REV 000
CHANGE by <i>Drawn Name</i>		7-Jan-2010	
SHEET		32	OF 56

1

2

3

4

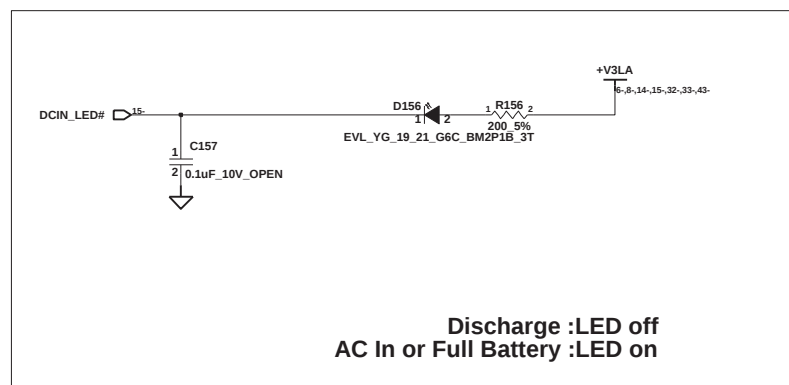
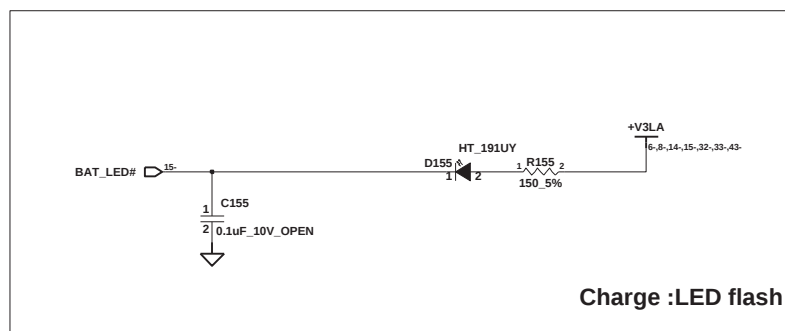
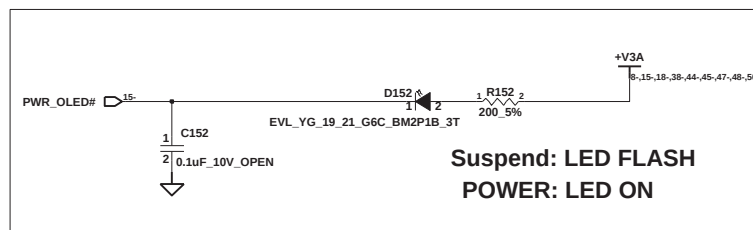
5

6

7

8

<http://hobi-elektronika.net/>

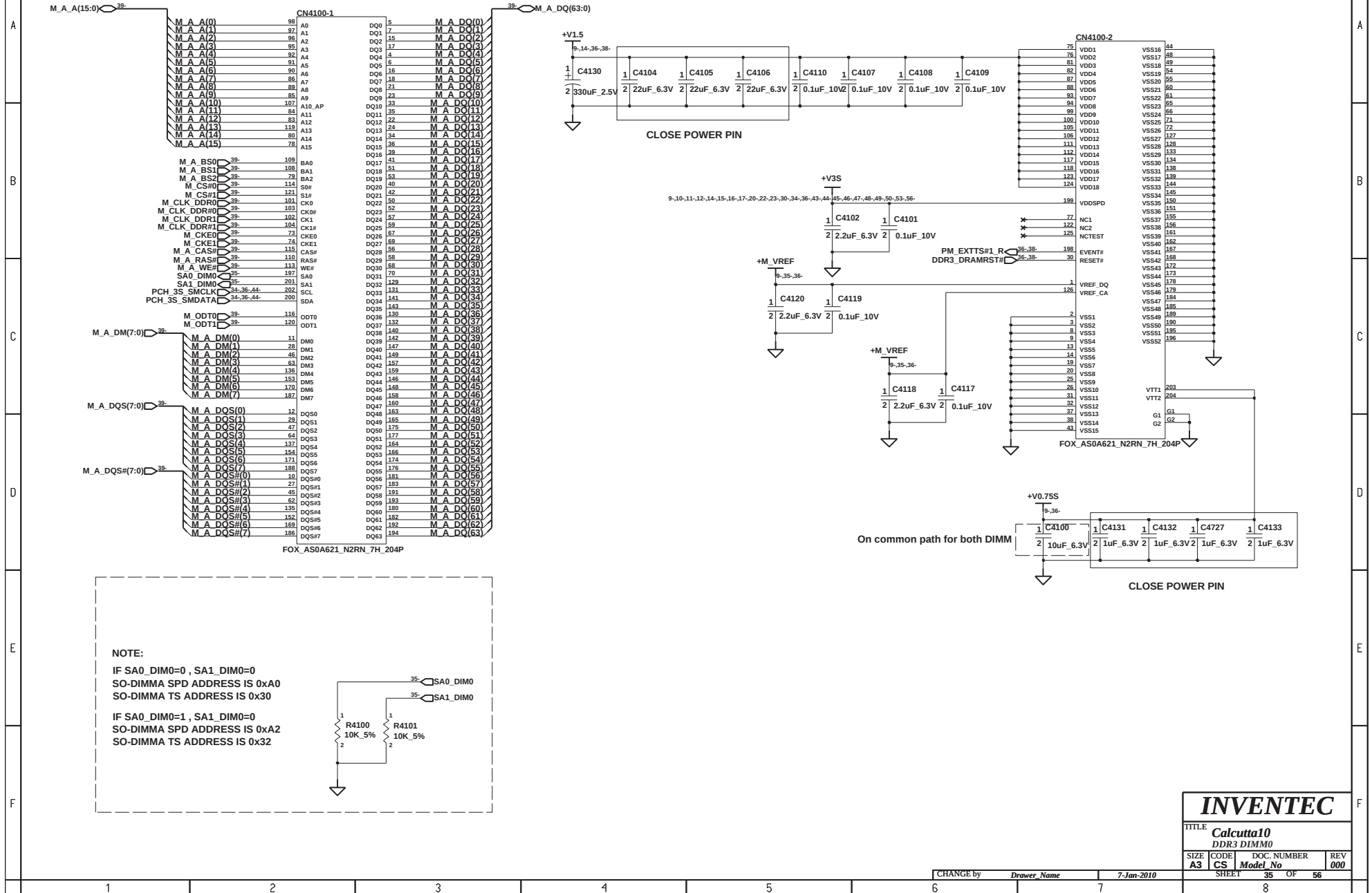


INVENTEC			
TITLE <i>Calcutta10</i>			
LED			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV 000
CHANGE by <i>Drawn Name</i>		7-Jan-2010	
SHEET		33	OF 56
		8	

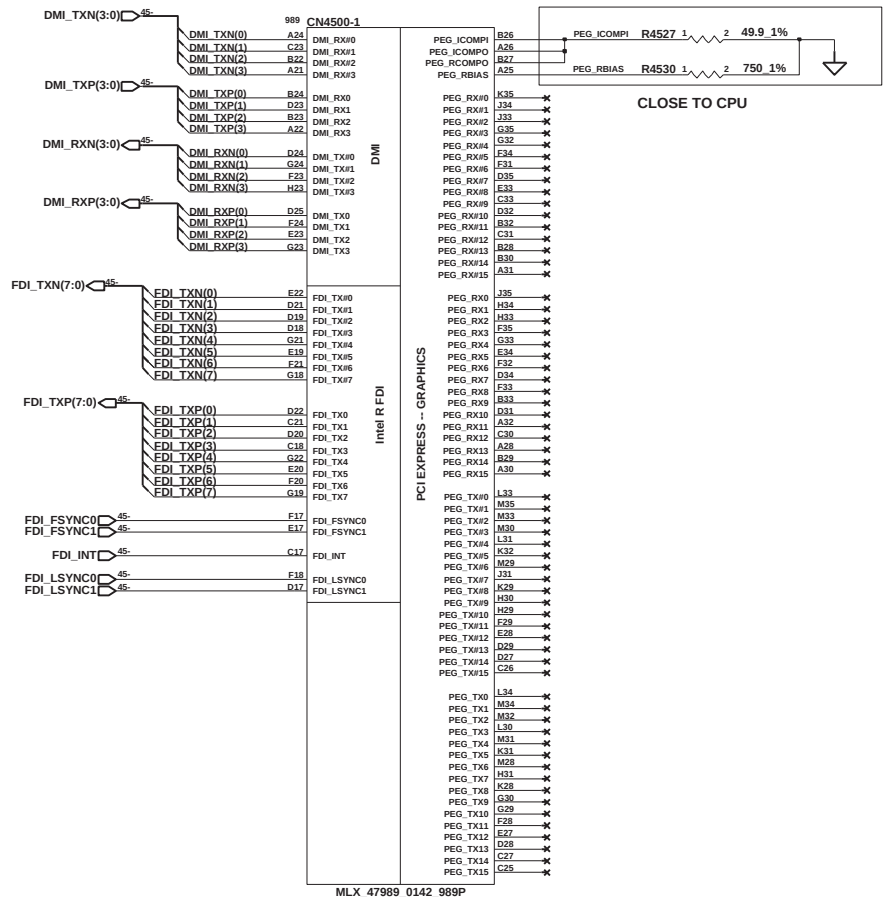
F



<http://hobi-elektronika.net/>



<http://hobi-elektronika.net/>



INVENTEC

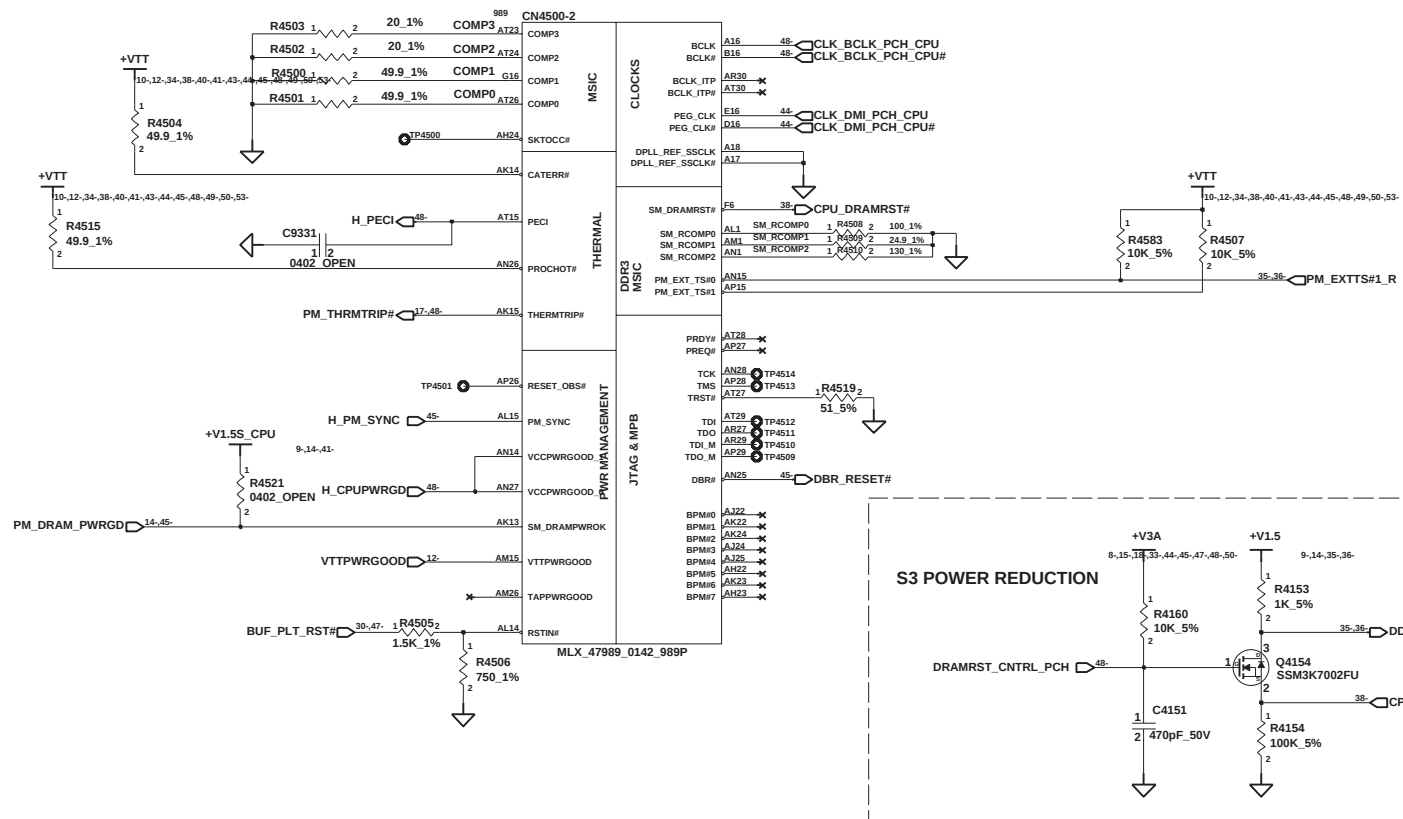
TITLE
Calcutta10
CPU-1

SIZE CODE DOC. NUMBER REV
A3 CS Model No 37 OF 56

CHANGE by *Drawn Name* 7-Jan-2010

8

<http://hobi-elektronika.net/>



INVENTEC

TITLE			
Calcutta10			
CPU-2			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	000
SHEET		38	OF 56

CHANGE by Drawer Name 7-Jan-2010

1

2

3

4

5

6

7

8

<http://hobi-elektronika.net/>

A

B

C

D

E

F

A

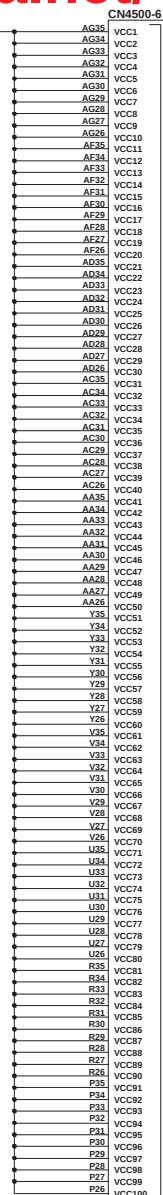
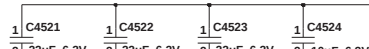
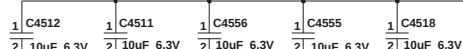
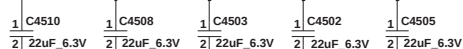
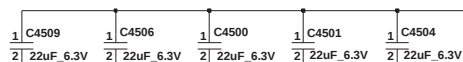
B

C

D

E

F



MLX_47989_0142_989P

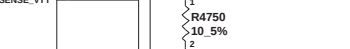
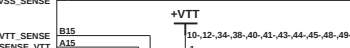
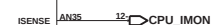
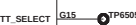
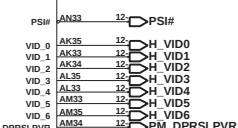
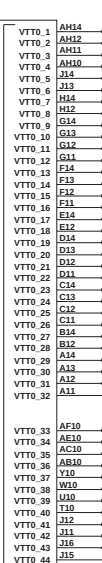
1.1V RAIL POWER

CPU CORE SUPPLY

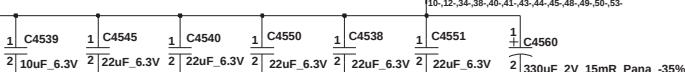
POWER

CPU VIDS

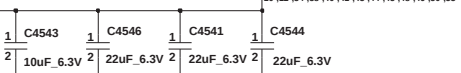
SENSE LINES



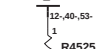
Place along CPU edge



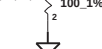
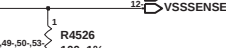
Place along CPU edge



+VCC_CORE



Place within 2" of CPU



VTT_SENSE_VTT

+VTT

10-12-34-38-40-41-43-44-45-48-49-50-53

CAD NOTE:
TCLK:Provide a scope test point at the Processor socket breakout via to verify signal integrity of the first platforms.

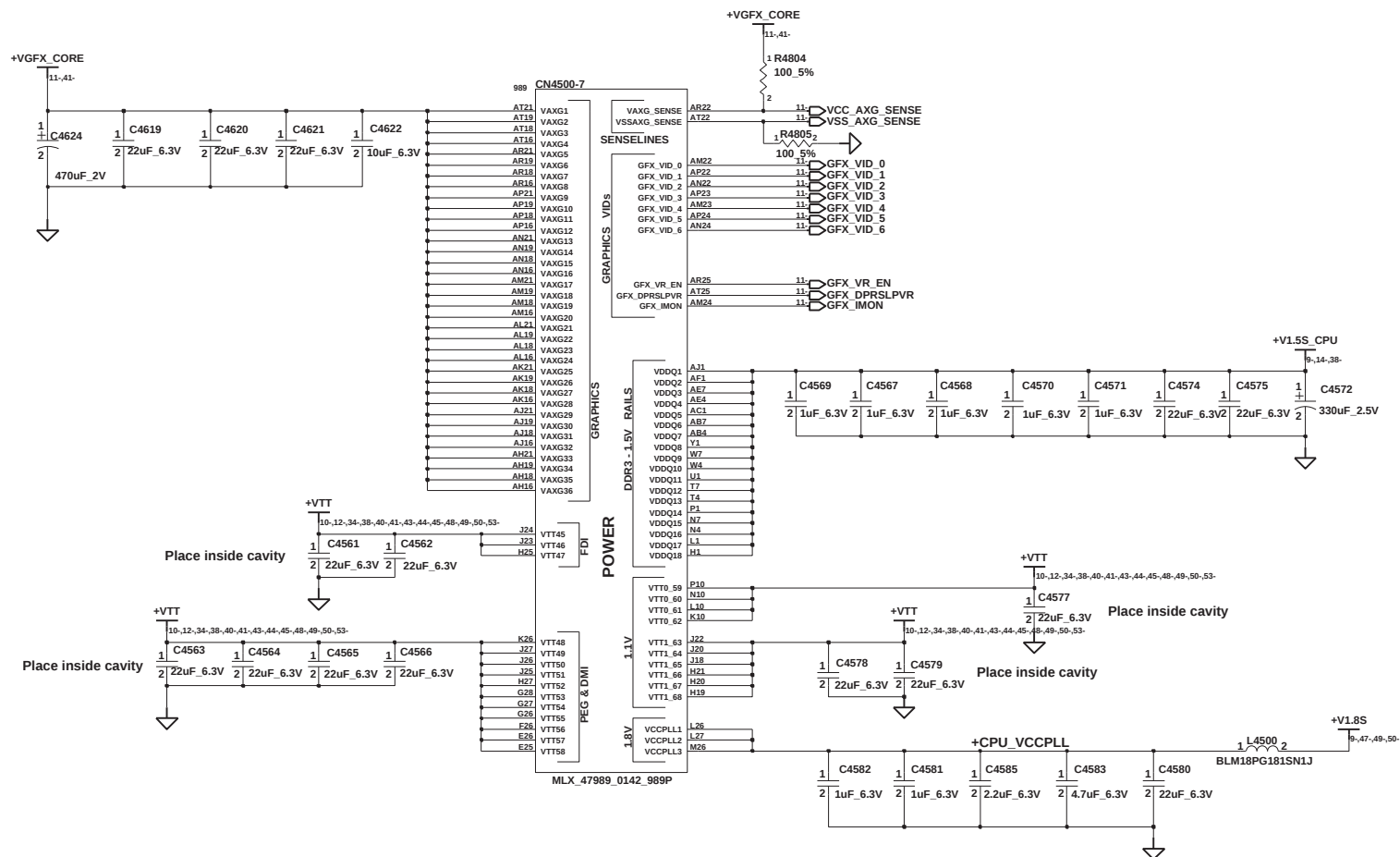
INVENTEC

TITLE Calcutta10 CPU-4			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV 000
SHEET 40		OF 56	

CHANGE by Drawer Name 7-Jan-2010

8

<http://hobi-elektronika.net/>



INVENTEC

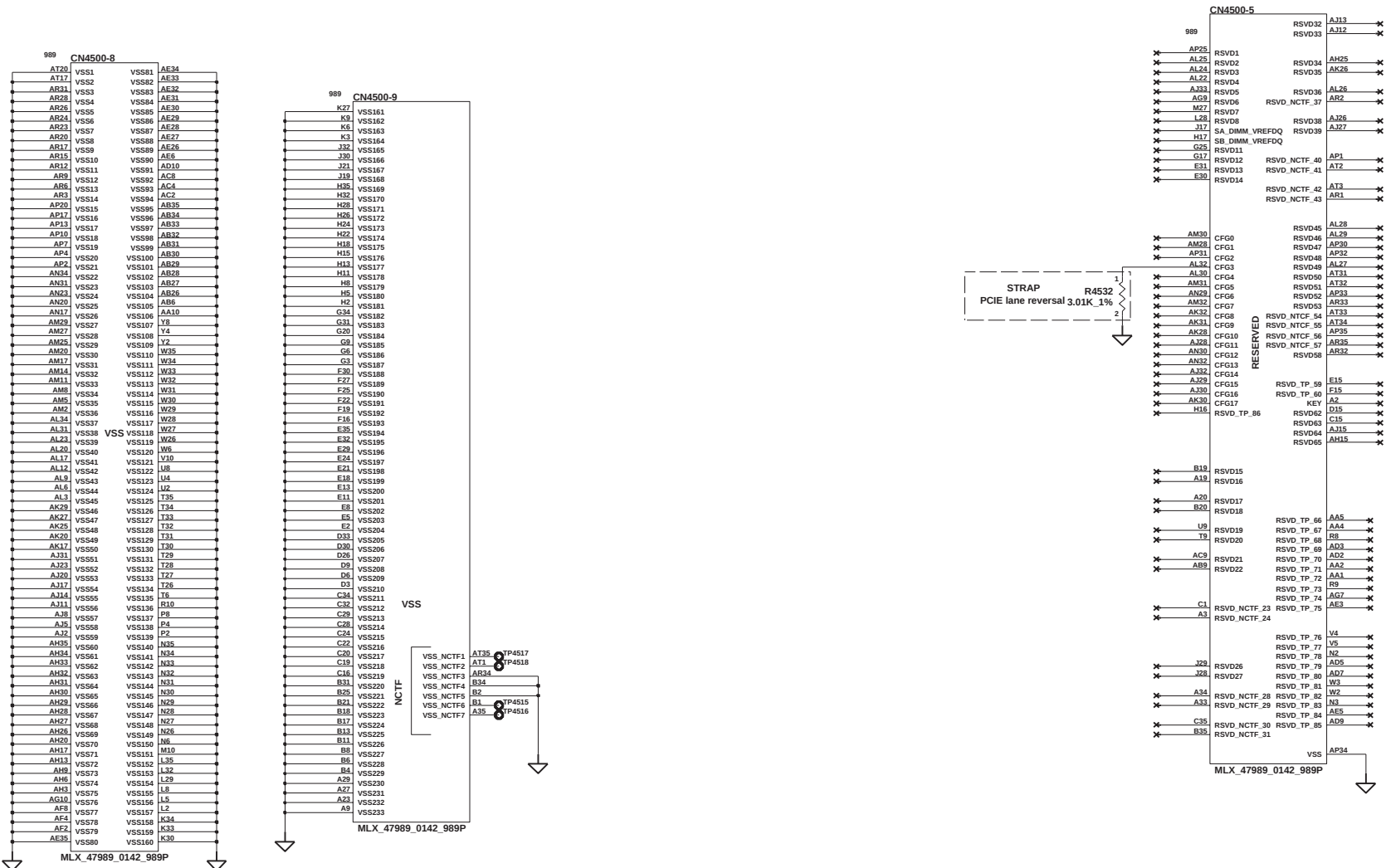
TITLE
Calcutta10
CPU-5

SIZE A3	CODE CS	DOC. NUMBER Model No	REV 000
-------------------	-------------------	--------------------------------	-------------------

CHANGE by *Drawn Name* 7-Jan-2010

SHEET 41 OF 56

<http://hobi-elektronika.net/>



INVENTEC

TITLE
Calcutta10
CPU-6

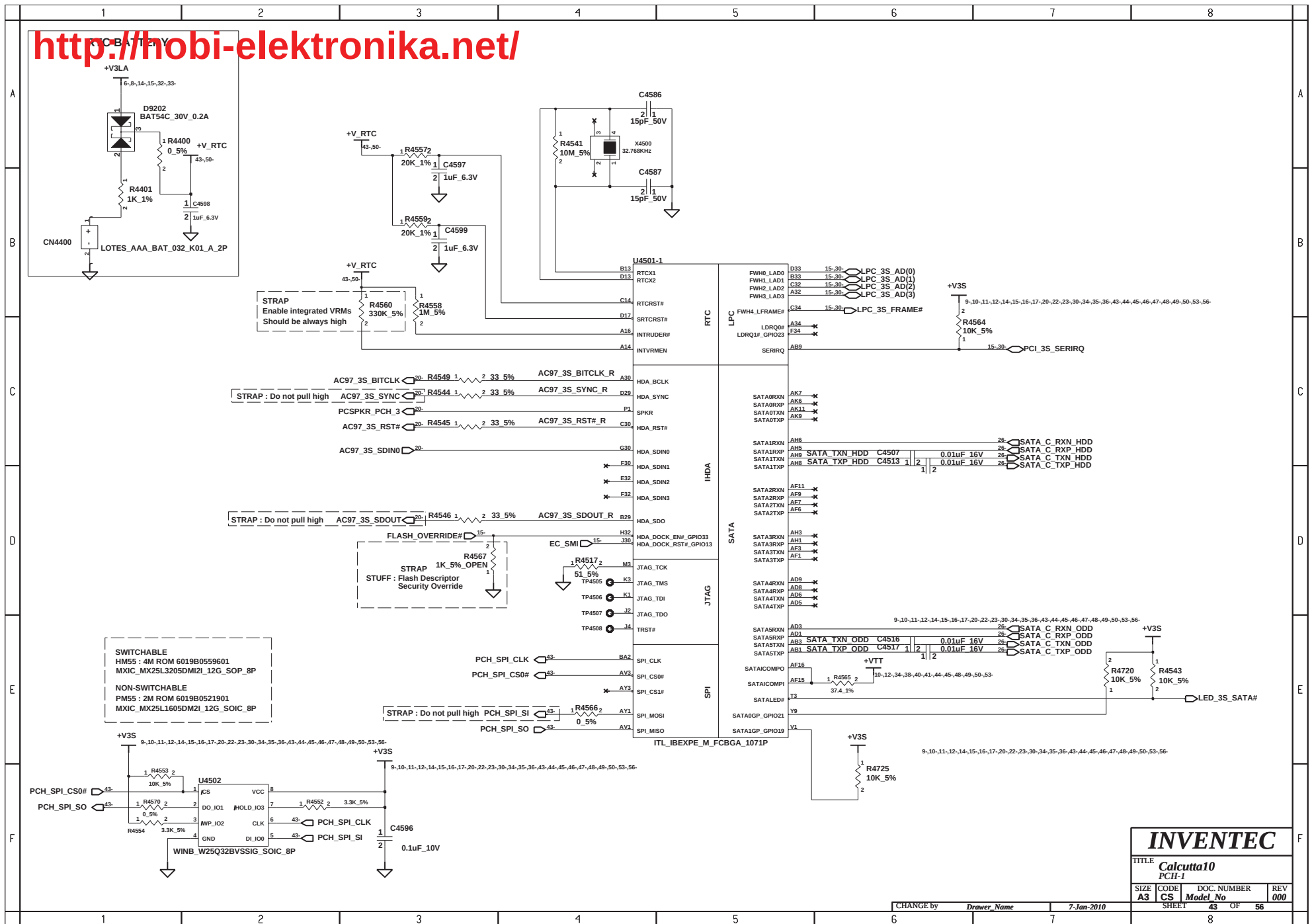
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	000

SHEET 42 OF 56

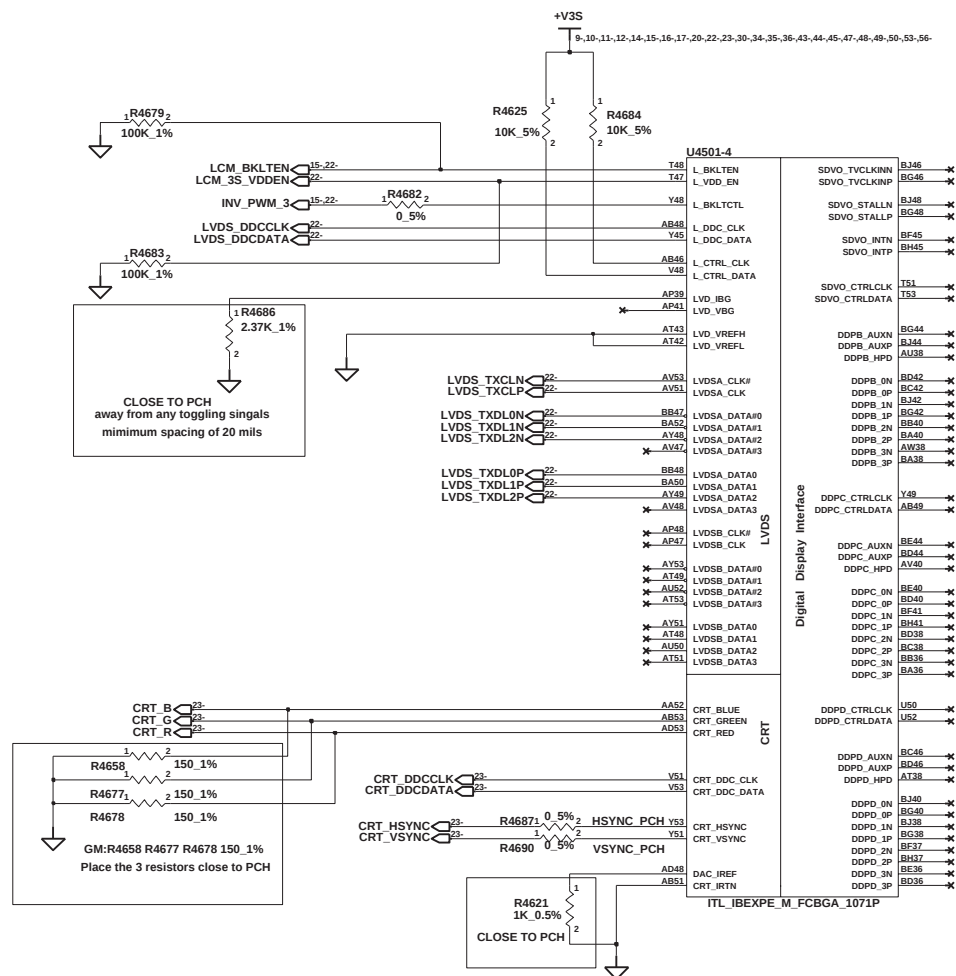
CHANGE by *Drawer Name* 7-Jan-2010

8

<http://hobi-elektronika.net/>



<http://hobi-elektronika.net/>



Digital Display Interface

SDVO_TVCLKINN	B346	✗
SDVO_TVCLKINP	BG46	✗
SDVO_STALLN	B348	✗
SDVO_STALLP	BG48	✗
SDVO_INTN	BF45	✗
SDVO_INTP	BH45	✗
SDVO_CTRLCLK	TS1	✗
SDVO_CTRLDATA	TS3	✗
DDPB_AUXN	BG44	✗
DDPB_AUXP	B344	✗
DDPB_HPD	AU38	✗
DDPB_0N	BD32	✗
DDPB_0P	BC42	✗
DDPB_1N	B342	✗
DDPB_1P	BG42	✗
DDPB_2N	BB40	✗
DDPB_2P	BA40	✗
DDPB_3N	AW38	✗
DDPB_3P	BA38	✗
DDPC_CTRLCLK	Y49	✗
DDPC_CTRLDATA	AB49	✗
DDPC_AUXN	BE44	✗
DDPC_AUXP	BD44	✗
DDPC_HPD	AV49	✗
DDPC_0N	BE40	✗
DDPC_0P	BD40	✗
DDPC_1N	BF41	✗
DDPC_1P	BH41	✗
DDPC_2N	BD38	✗
DDPC_2P	BC38	✗
DDPC_3N	BB36	✗
DDPC_3P	BA36	✗
DDPD_CTRLCLK	US0	✗
DDPD_CTRLDATA	US2	✗
DDPD_AUXN	BC46	✗
DDPD_AUXP	BD46	✗
DDPD_HPD	AT38	✗
DDPD_0N	B340	✗
DDPD_0P	BG40	✗
DDPD_1N	B338	✗
DDPD_1P	BC38	✗
DDPD_2N	BF37	✗
DDPD_2P	BH37	✗
DDPD_3N	BE36	✗
DDPD_3P	BA36	✗

INVENTEC

TITLE
Calcutta10
PCH-4

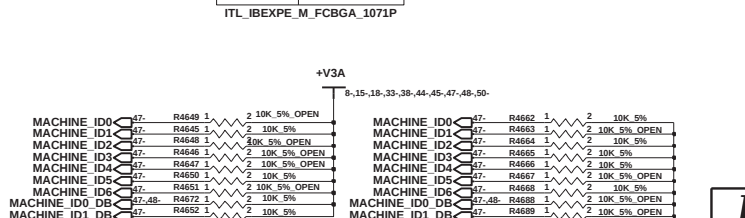
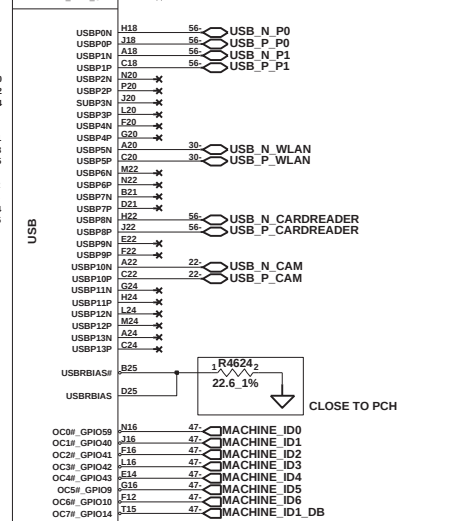
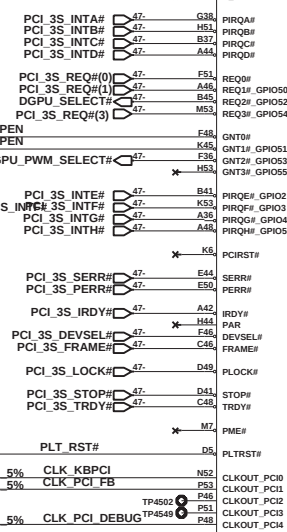
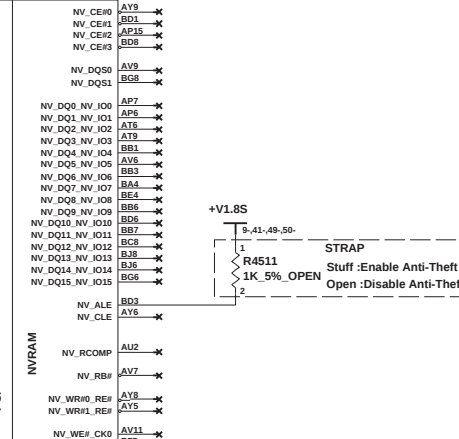
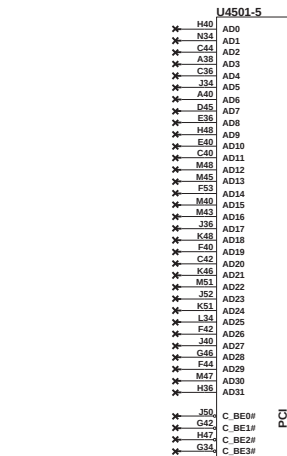
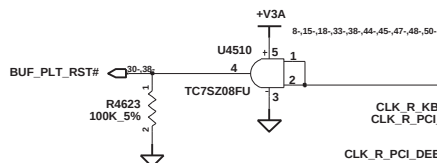
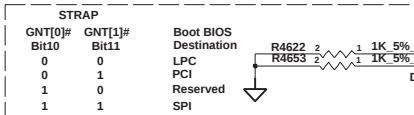
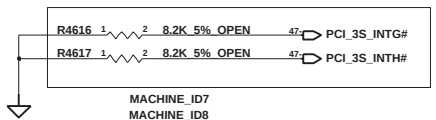
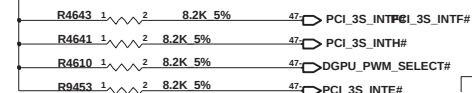
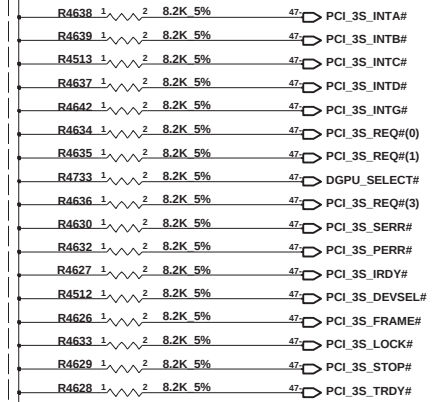
SIZE A3	CODE CS	DOC. NUMBER Model No	REV 000
-------------------	-------------------	--------------------------------	-------------------

CHANGE by *Drawn Name* 7-Jan-2010

SHEET 46 OF 56

<http://hobi-elektronika.net/>

9,10,11,12,14,15,16,17,20,22,23,30,34,35,36,43,44,45,46,48,49,50,53,56-



INVENTEC

TITLE			
Calcutta10			
PCH-5			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	000
SHEET 47 OF 56			

CHANGE by Drawer Name 7-Jan-2010

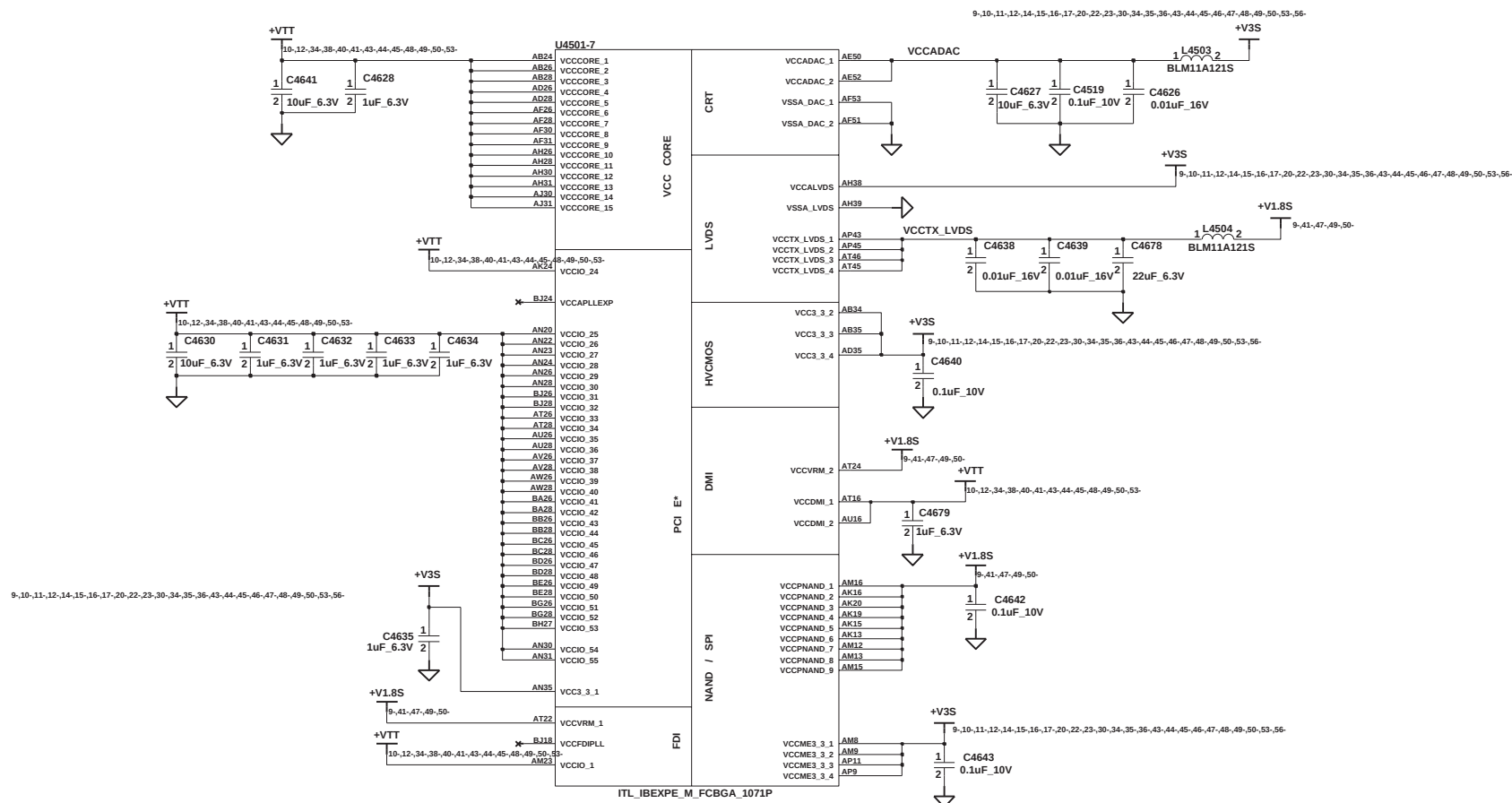
http://hobi-elektronika.net/

The diagram illustrates the Calcutta10 PCH-6 hardware configuration. It includes a detailed GPIO termination section on the left, listing 31 pins (GPIO0 to GPIO31) with their respective pull-up resistors (e.g., R4722, R4644, R4675, etc.) and 10K 5% values. The central part shows the U4501-6 chip with various pins connected to +V3S, +V3A, and other signals like BMBUSY#, TACH2, LAN_PHY_PWR_CTRL, and MACHINE_ID0_DB. The right side shows the CPU section with pins for CLKOUT, PEIC, RCIN#, and THRMTRIP#. The bottom right corner features a table for the INVENTEC logo and part information.

INVENTEC				
TITLE Calcutta10 PCH-6				
SIZE A3	CODE CS	DOC. NUMBER Model No	REV 000	
SHEET 48		OF 56		

CHANGE by Drawer Name 7-Jan-2010

<http://hobi-elektronika.net/>



INVENTEC

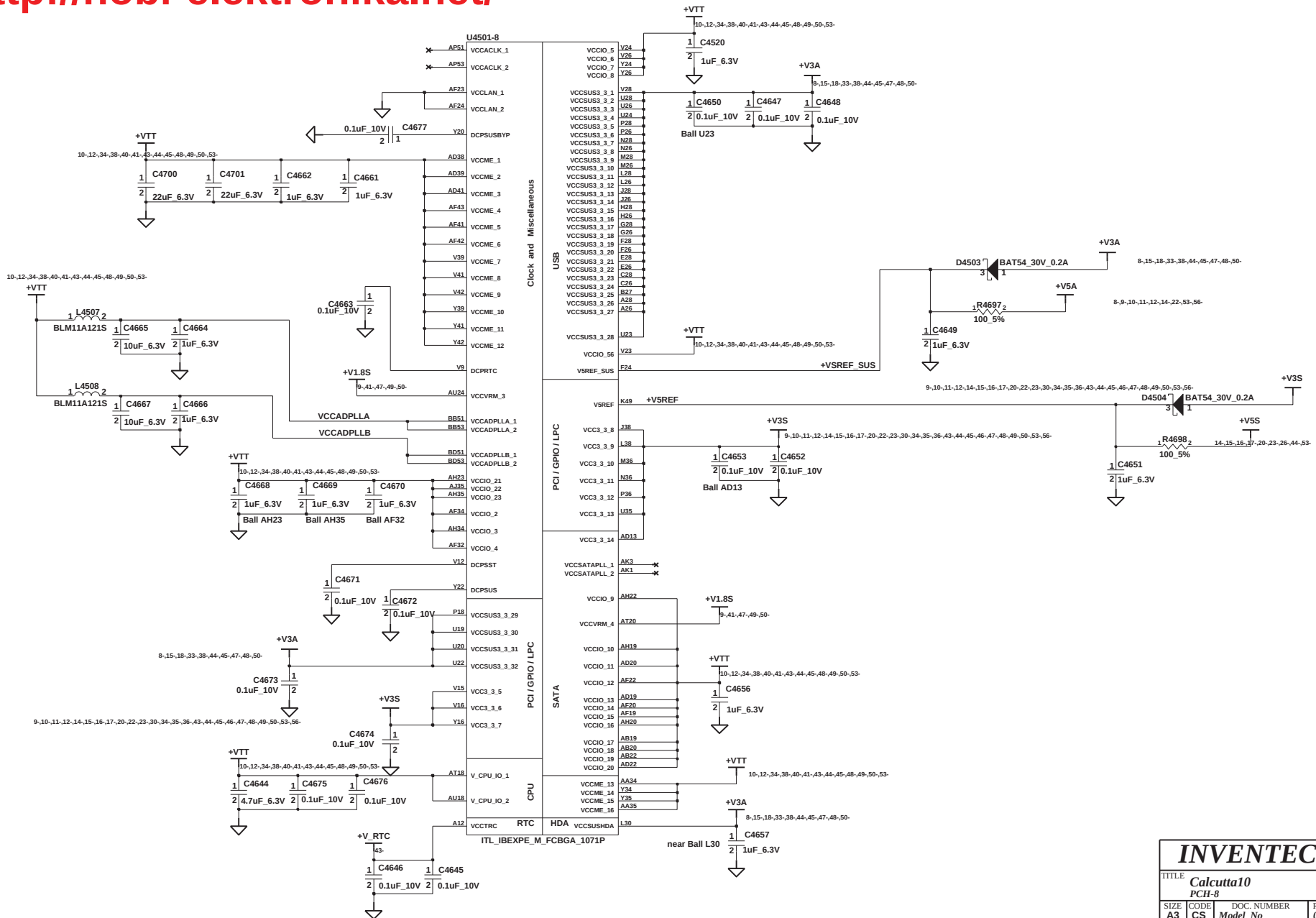
TITLE
Calcutta10
PCH-7

SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	000

CHANGE by *Drawer Name* 7-Jan-2010

SHEET 49 OF 56

<http://hobi-elektronika.net/>



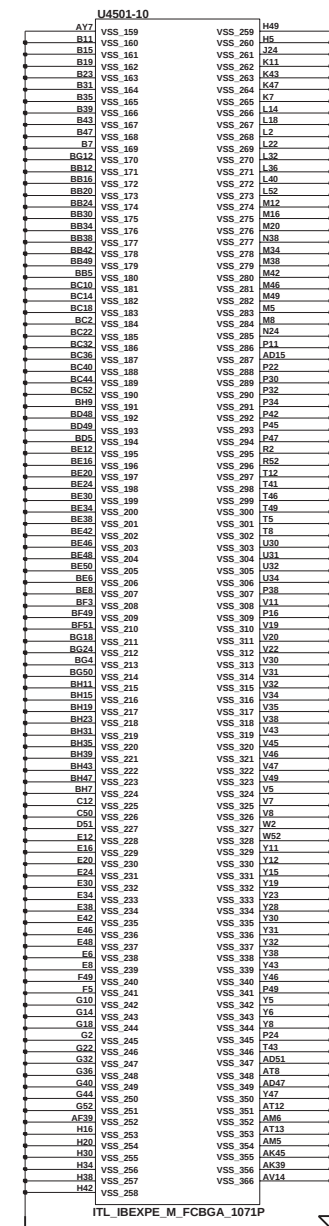
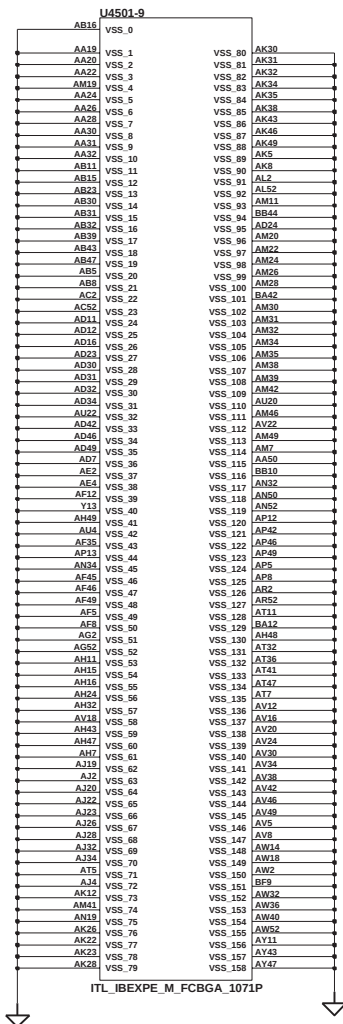
INVENTEC

TITLE			
Calcutta10			
PCH-8			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	000
SHEET		50	OF 56

CHANGE by *Drawn Name* 7-Jan-2010

8

<http://hobi-elektronika.net/>



INVENTEC

TITLE
Calcutta10
PCH-9

SIZE A3	CODE CS	DOC. NUMBER <i>Model No</i>	REV 000
SHEET		51	OF 56

CHANGE by *Drawer Name* 7-Jan-2010

1 2 3 4 5 6 7 8

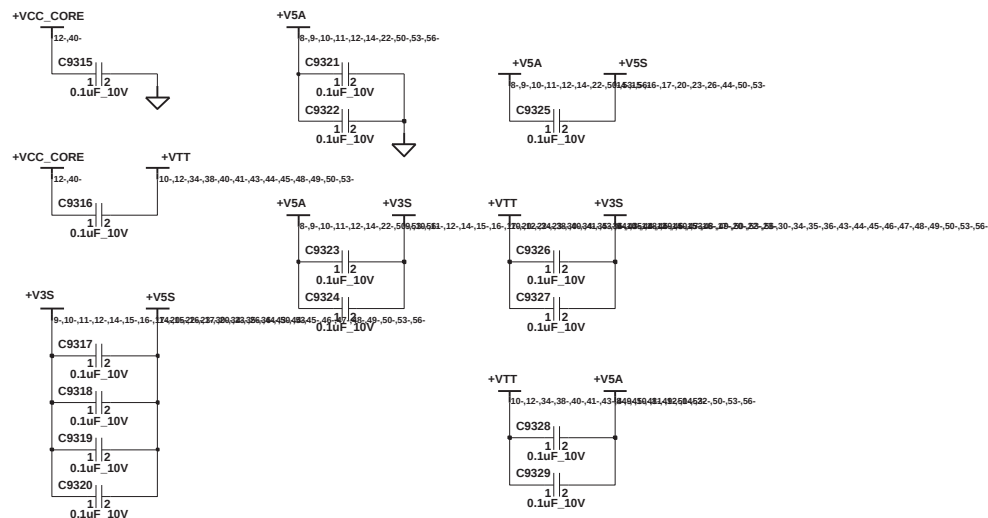
	1	2	3	4	5	6	7	8	
A	http://hobi-elektronika.net/								A
B									B
C	BLANK								C
D									D
E									E
F									F
	1	2	3	4	5	6	7	8	

INVENTEC

TITLE			
Calcutta10			
3D SENSOR			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	000
SHEET		52	OF 56

<http://hobi-elektronika.net/>

EMI



INVENTEC			
TITLE			
Calcutta10			
EMI			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	000
SHEET		53	OF 56

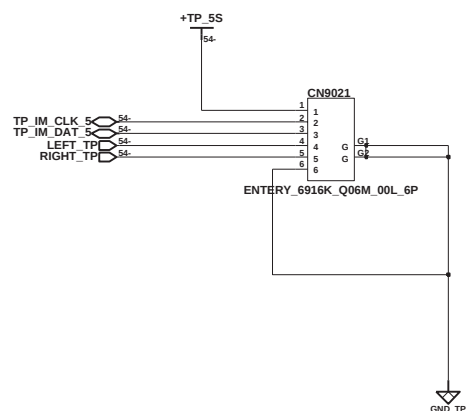
CHANGE by *Drawn Name* 7-Jan-2010

8

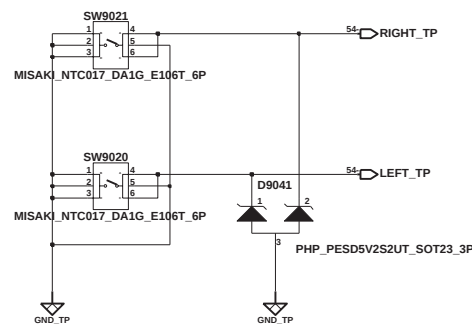
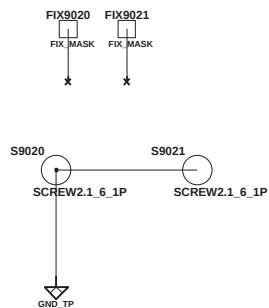
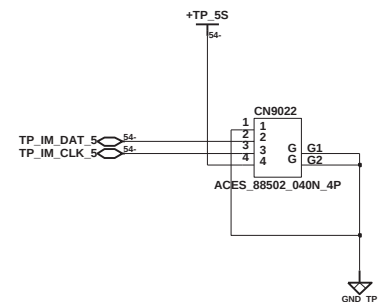
<http://hobi-elektronika.net/>

TOUCH PAD SWITCH BOARD

Connect to Touchpad Module



Connect to Mainboard's TP connector



INVENTEC

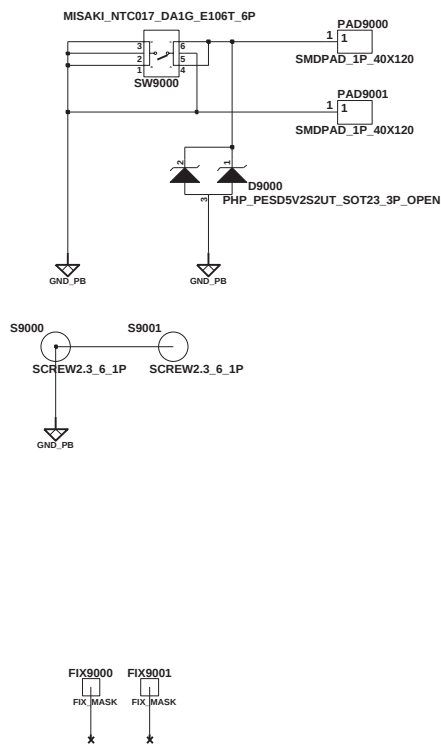
TITLE			
Calcutta10 TP SWITCH BOARD			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	000

CHANGE by *Drawer Name* 2-Mar-2010

SHEET 54 OF 56

<http://hobi-elektronika.net/>

POWER BOARD



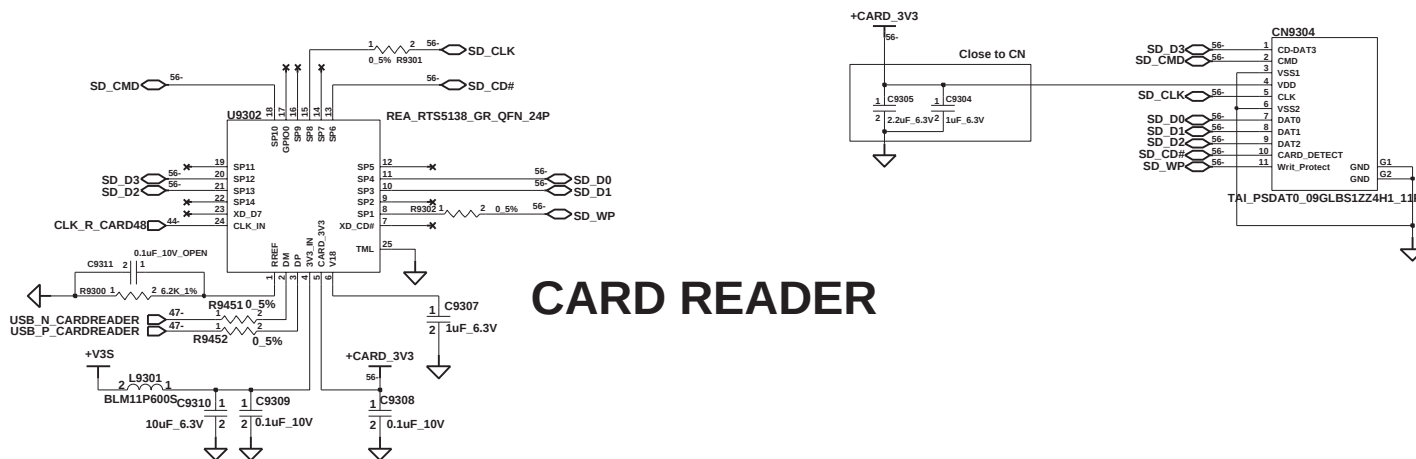
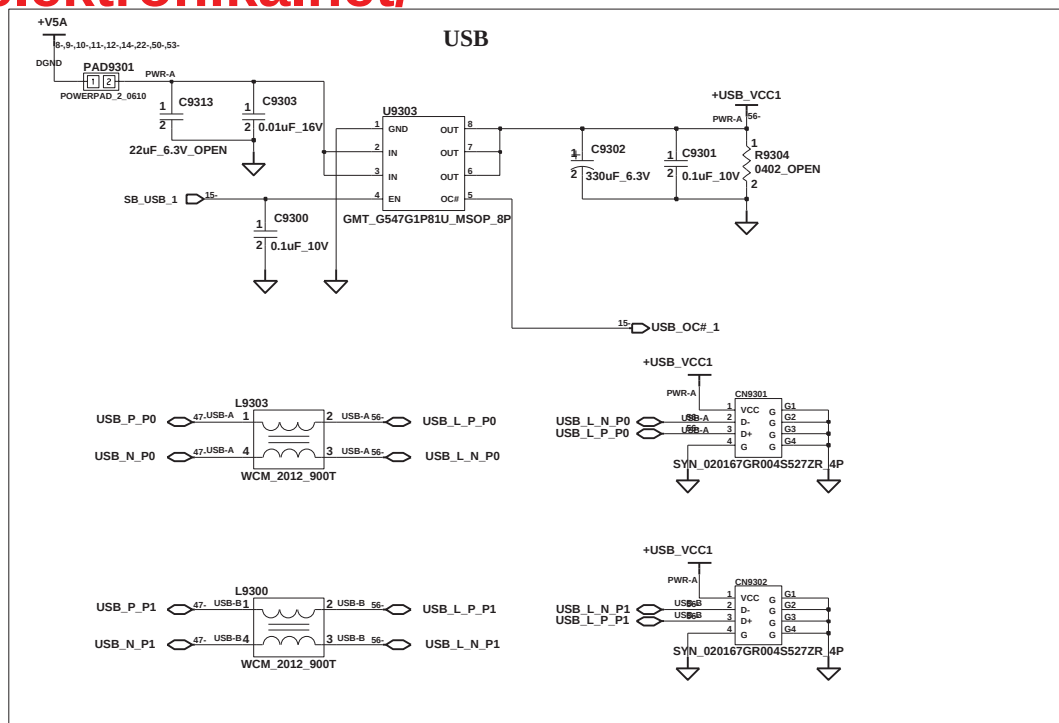
INVENTEC

TITLE			
Calcutta10 POWER BOARD			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	000
SHEET		55	OF 56

CHANGE by *Drawn Name* 24-Feb-2010

8

<http://hobi-elektronika.net/>



INVENTEC

TITLE
Calcutta10
Card Reader/USB

SIZE CODE DOC. NUMBER REV
A3 CS Model No **000**

CHANGE by *Drawn Name* 7-Jan-2010

SHEET 56 OF 56