

<http://hobi-elektronika.net>

DIABLO 13.3"

SI Build

2007.10.11

DATE	CHANGE NO.	REV

DRAWER	EE	DATE	POWER	DATE	INVENTEC			
DESIGN					TITLE			
CHECK					DIABLO			
RESPONSIBLE								
SIZE = 3					SIZE	CODE	DOC. NUMBER	REV
FILE NAME : XXXX-XXXXXX-XX					A3	CS	<i>Model No</i>	AXI
P/N XXXXXXXXXXXX					SHEET 1 OF 61			

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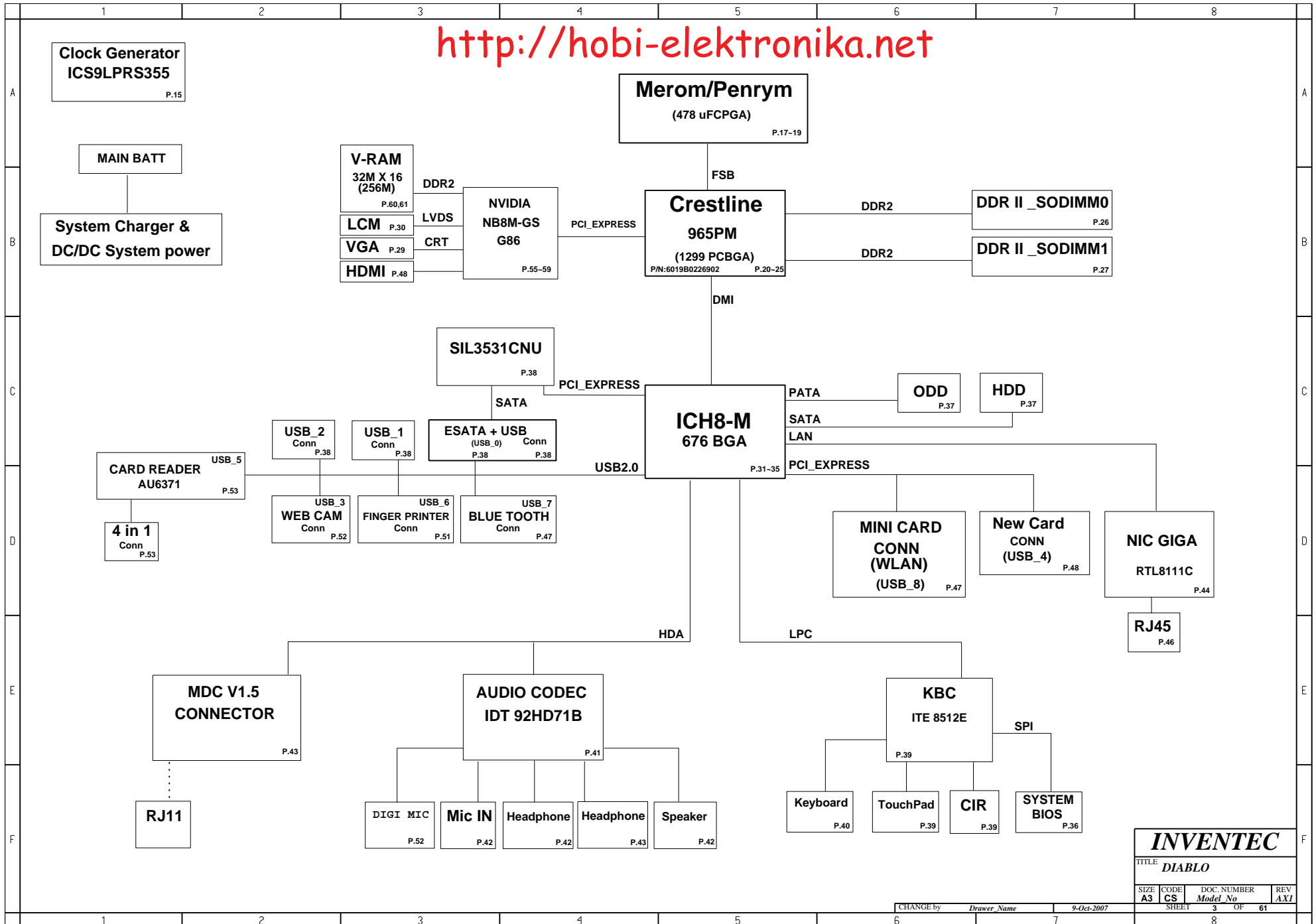
INVENTEC

TITLE
DIABLO

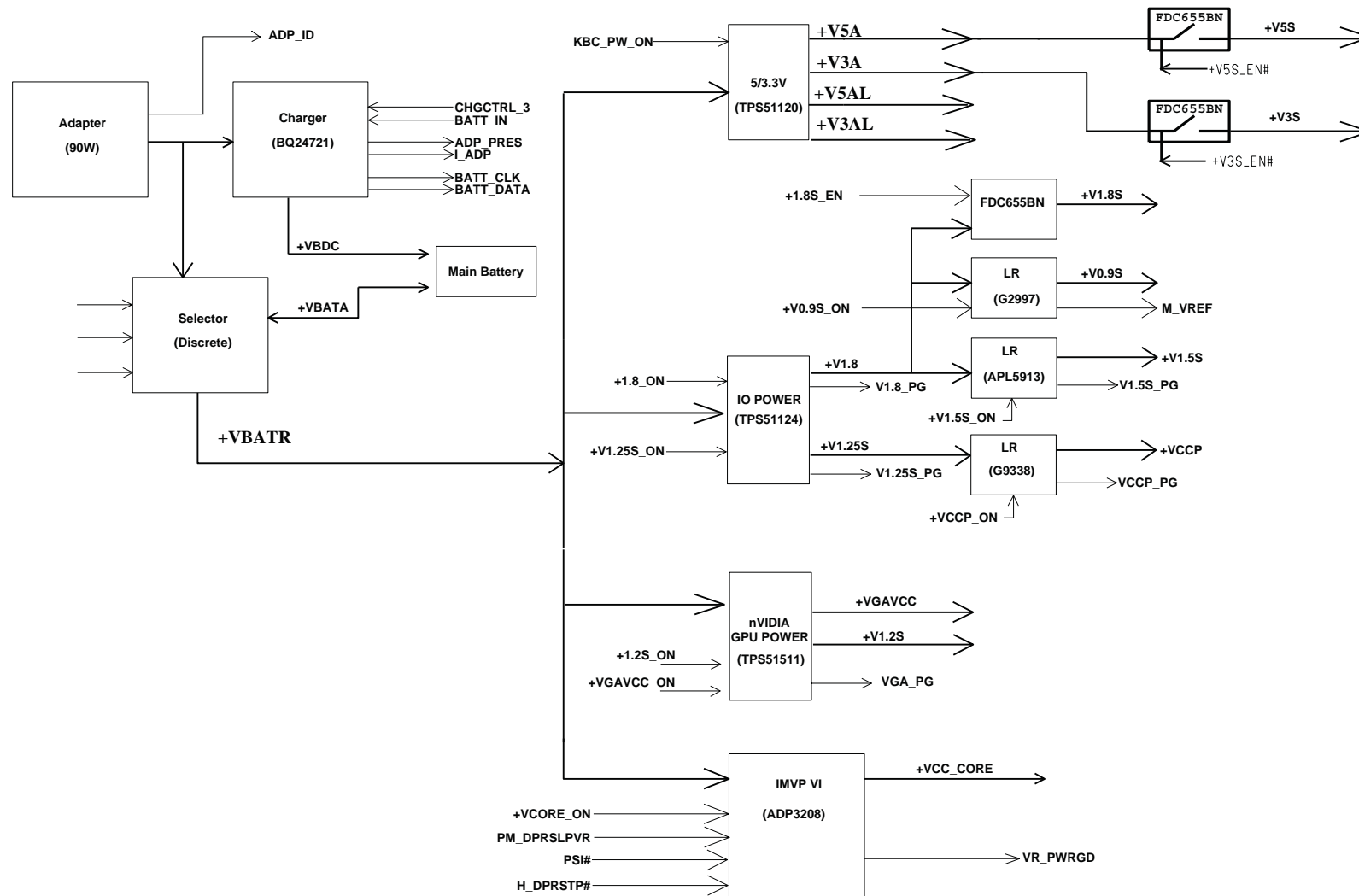
SIZE A3	CODE CS	DOC. NUMBER <i>Model No</i>	REV AX1
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INVENTEC

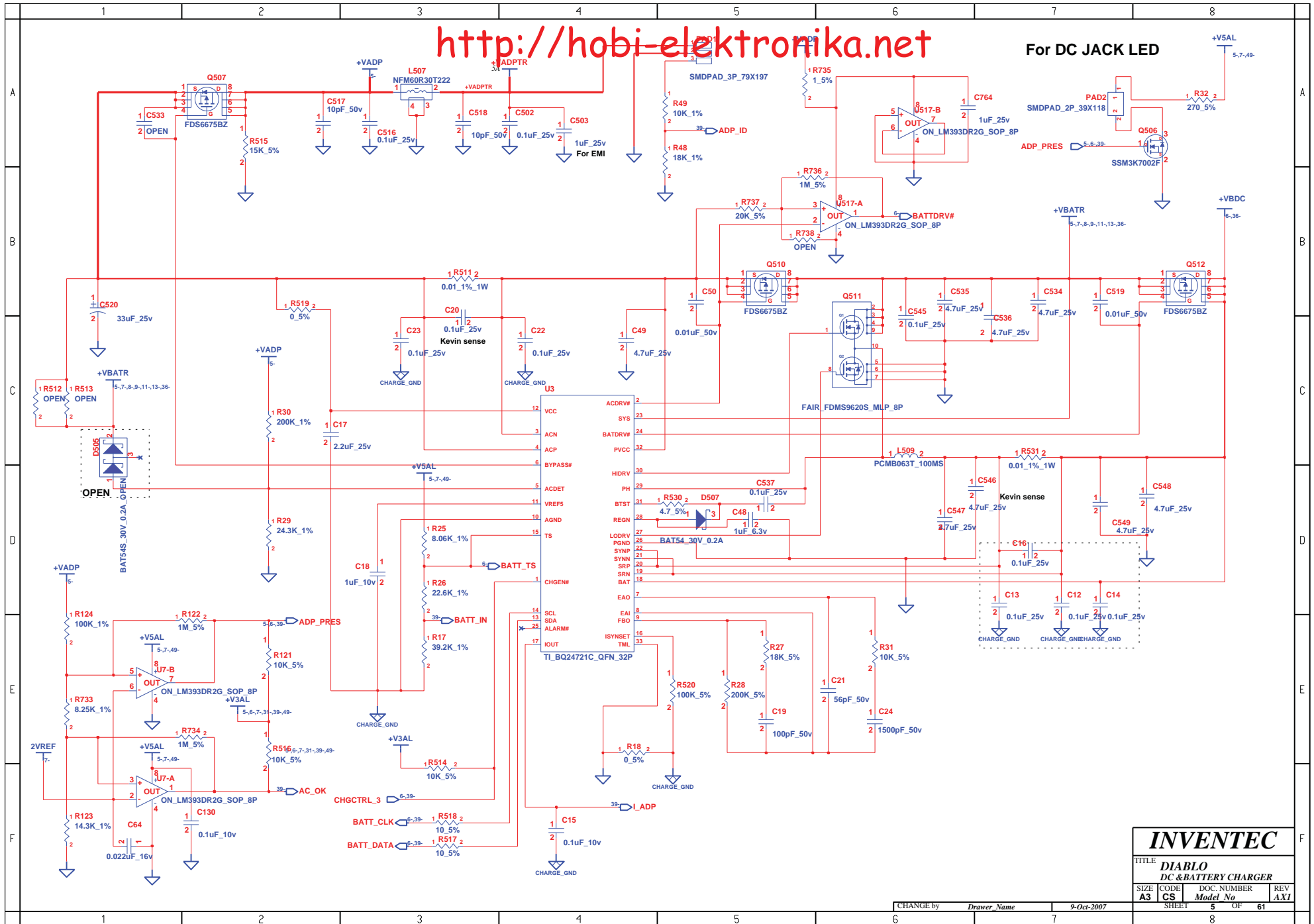
TITLE
DIABLO

SIZE A3	CODE CS	DOC. NUMBER <i>Model No</i>	REV AXI
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For DC JACK LED



INVENTEC

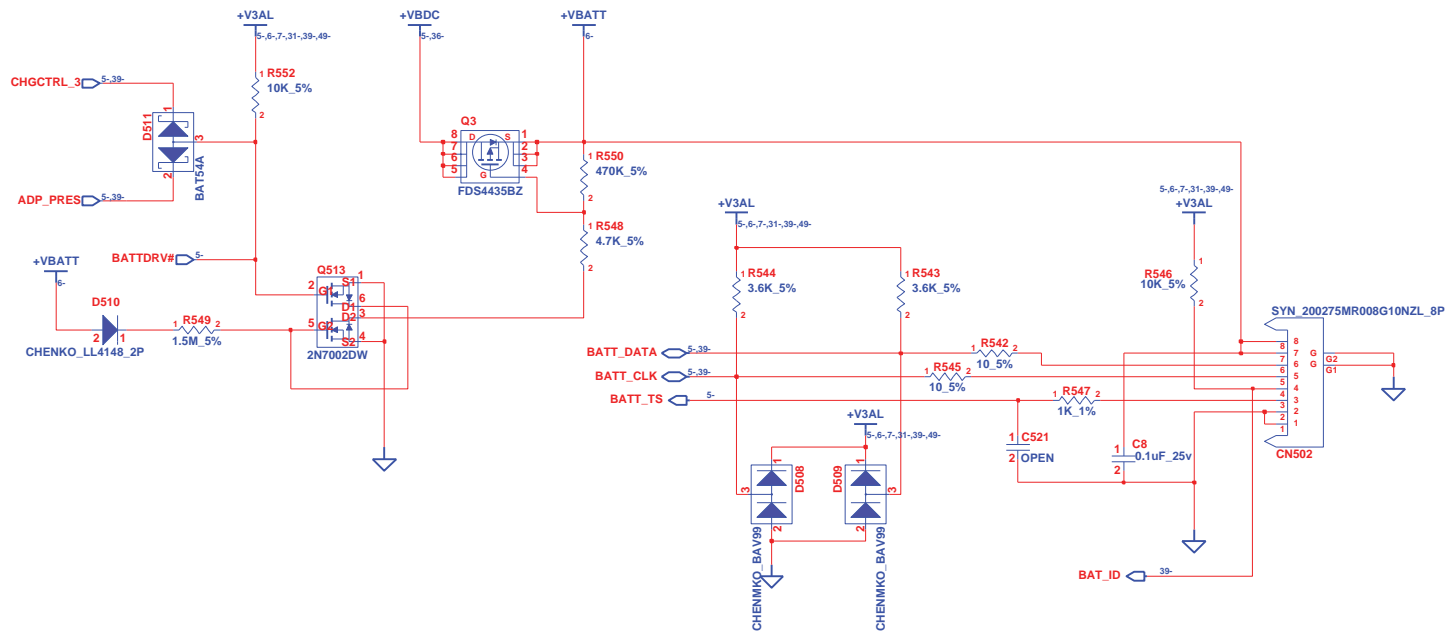
TITLE
DIABLO
DC & BATTERY CHARGER

SIZE A3	CODE CS	DOC. NUMBER Model No	REV AXI
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INVENTEC

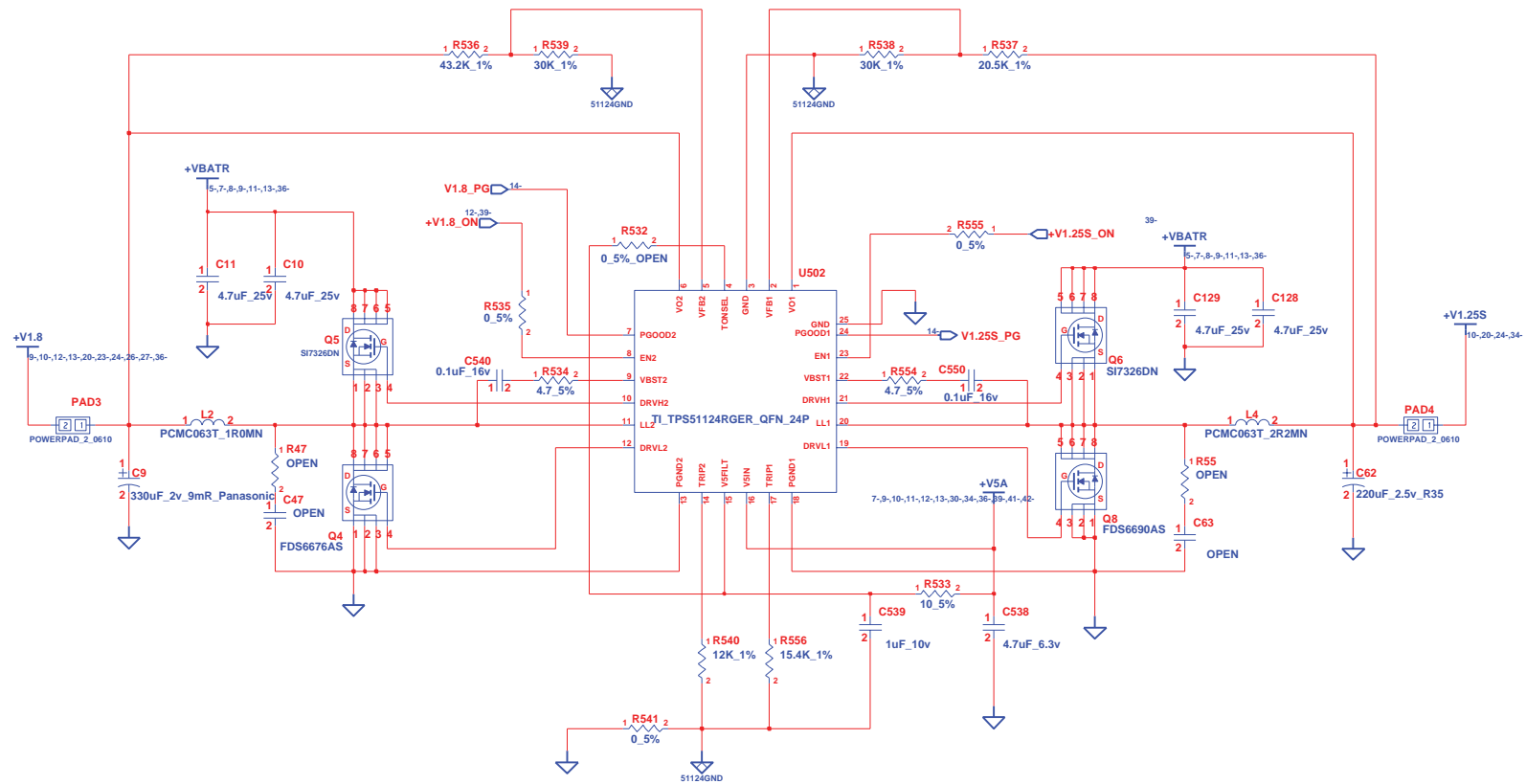
TITLE DIABLO BATTERY CONN			
SIZE A3	CODE CS	DOC. NUMBER <i>Model No</i>	REV AXI
CHANGE by <i>Drawer Name</i>		9-Oct-2007	
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TITLE			
DIABLO SYSTEM POWER(3V/5V/12V)			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	<i>Model No</i>	AXI
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CS Model No
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TITLE
DIABLO
SYSTEM POWER(+V1.8/+V1.25S)

SIZE A3	CODE CS	DOC. NUMBER Model No	REV AXI
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CHANGE by *Drawer Name* 9-Oct-2007

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[illegible]

TITLE			
DIABLO GRAPHIC POWER (+VGFX_CORE)			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	<i>Model No</i>	AX

CHANGE by	<i>Drawer Name</i>	9-Oct-2007
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CS Model No
SHEET 9 OF 61

[illegible]

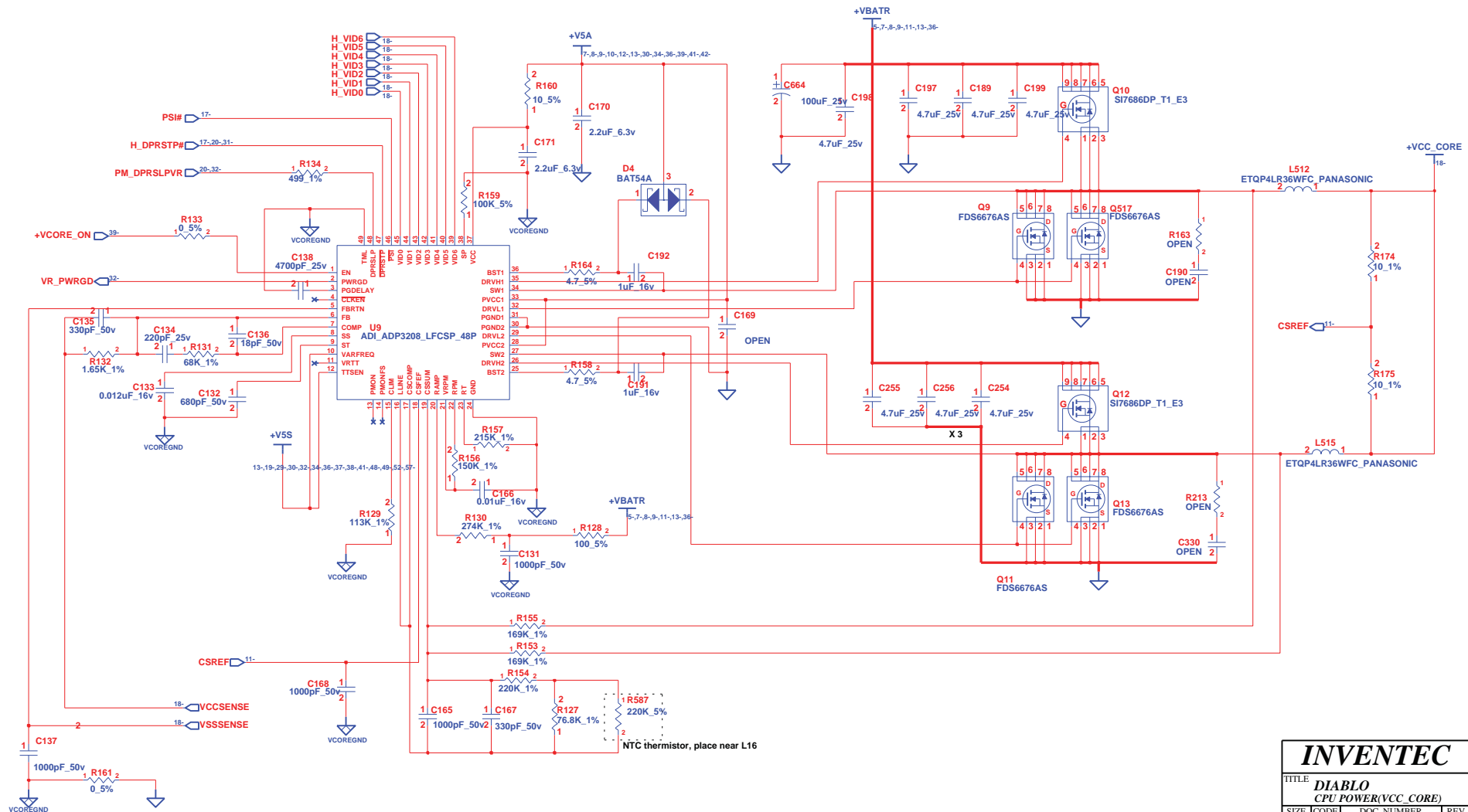
	R579	R576	R578	R577
G9338	0 ohm	OPEN	OPEN	0 ohm
SC339	OPEN	0 ohm	0 ohm	OPEN

TITLE			
DIABLO			
SYSTEM POWER(+VCCP/+V1.5S)			
SIZE	CODE	DOC. NUMBER	R
A3	CS	<i>Model No</i>	<i>A</i>
SHEET		10	OF 61

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CS Model No
SHEET 10 OF 61

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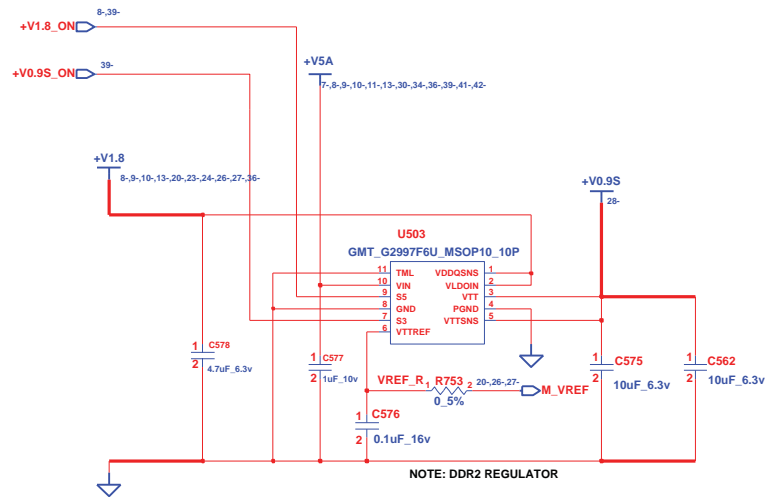
INVENTEC

TITLE			
DIABLO			
CPU POWER(VCC_CORE)			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	AXI

CHANGE by *Drawer Name* 9-Oct-2007

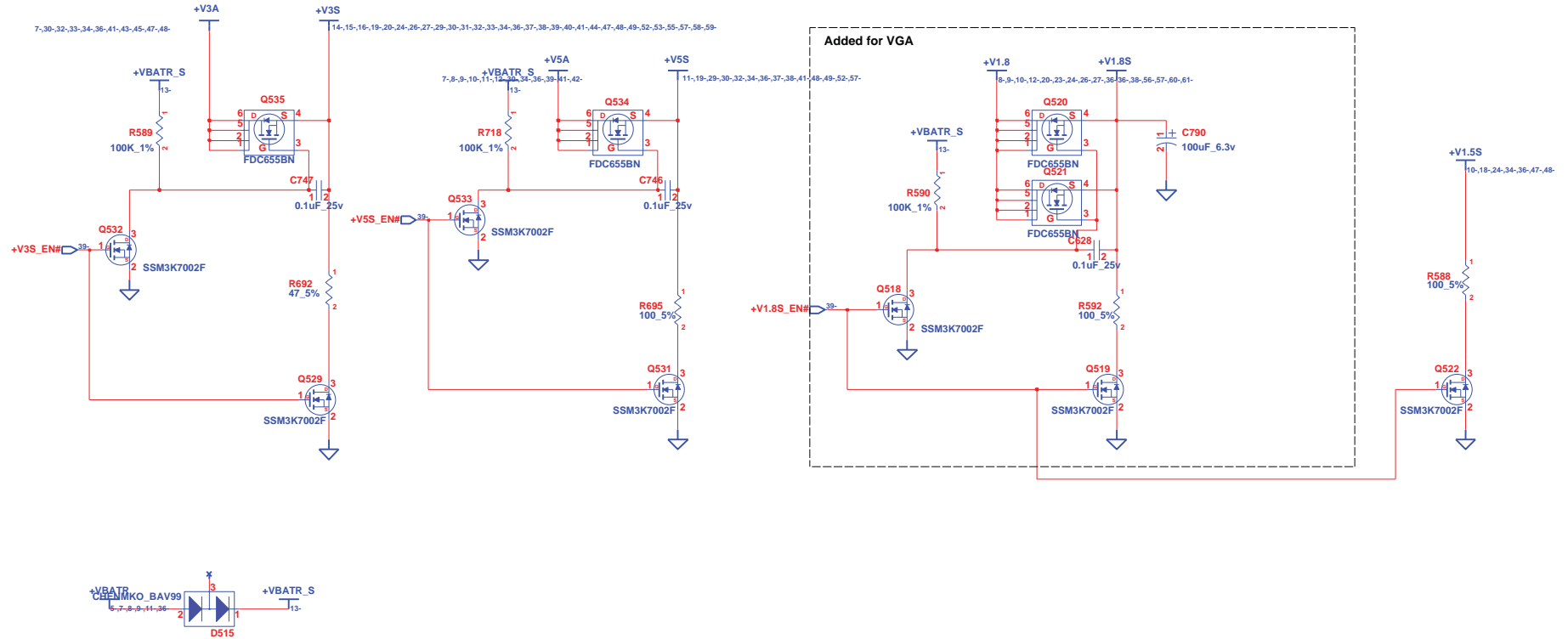
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INVENTEC			
TITLE DIABLO DDR TERMINATION VOLTAGE			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV AXI
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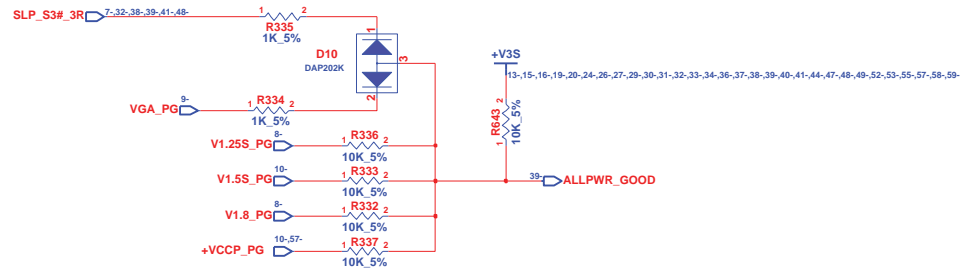


INVENTEC

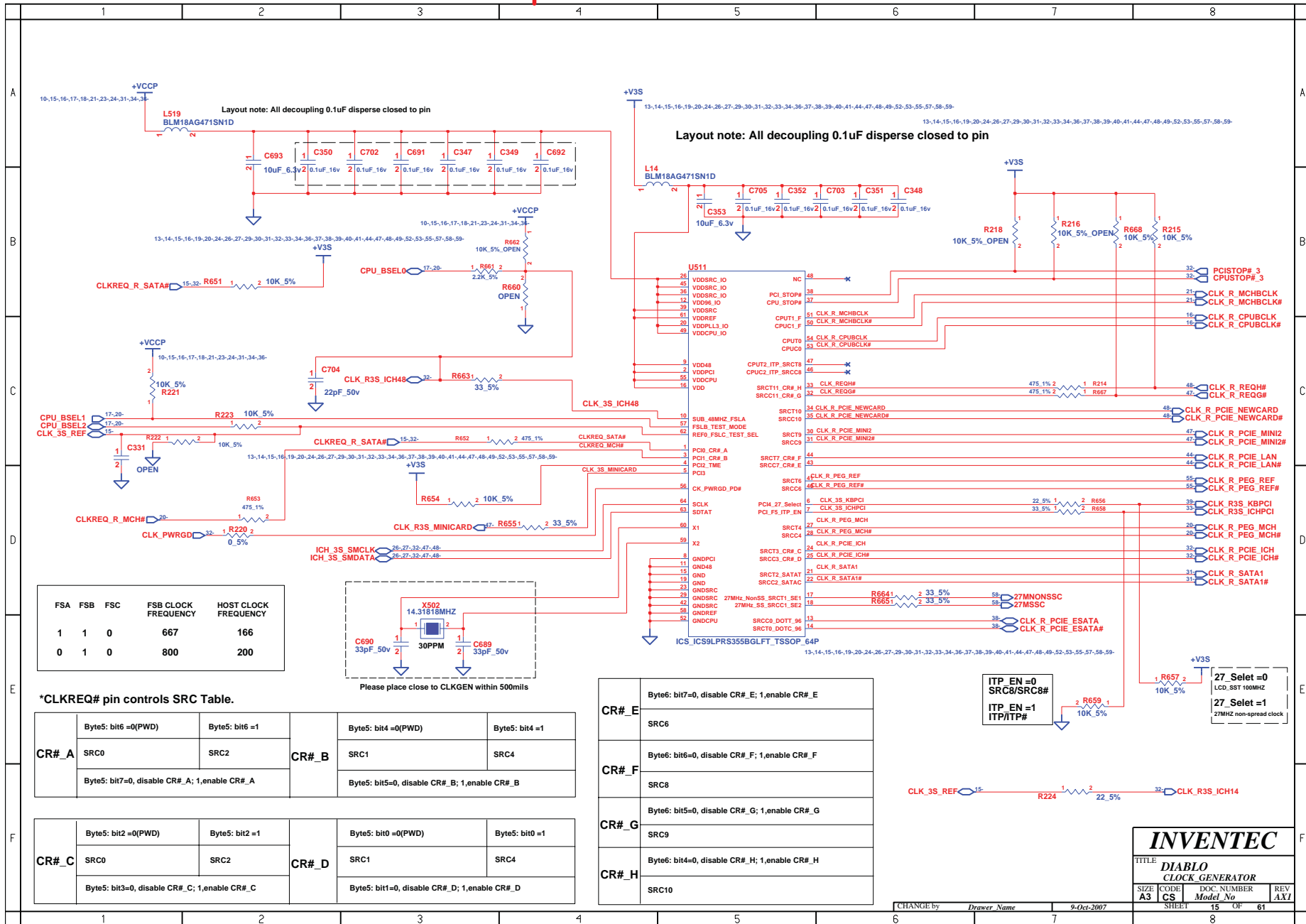
TITLE DIABLO POWER(SLEEP)			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV AXI
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CHANGE by *Drawer Name* 9-Oct-2007

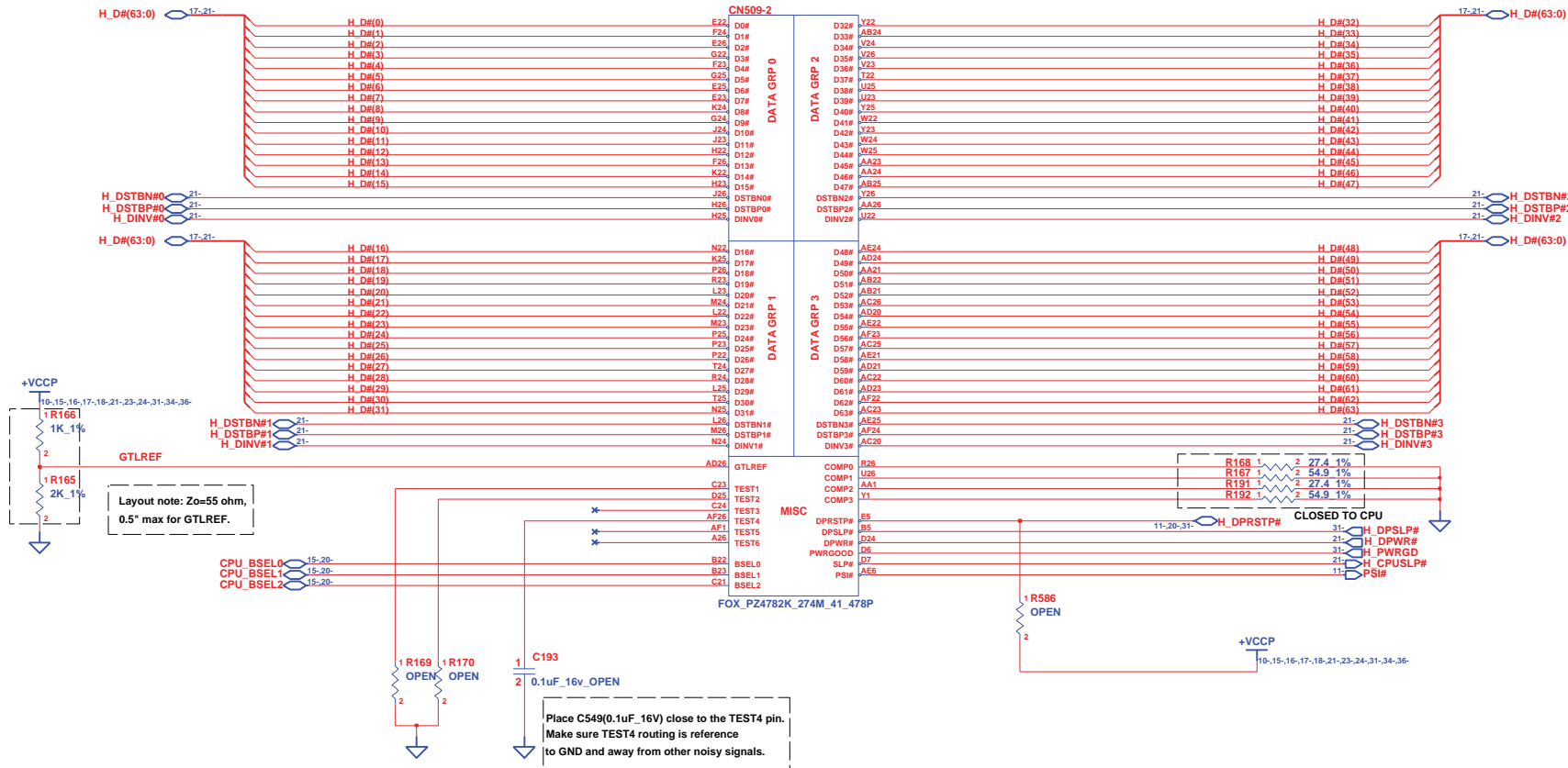
<http://hobi-elektronika.net>



INVENTEC			
TITLE			
DIABLO			
POWER(SEQUENCE)			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	AXI
CHANGE by		9-Oct-2007	
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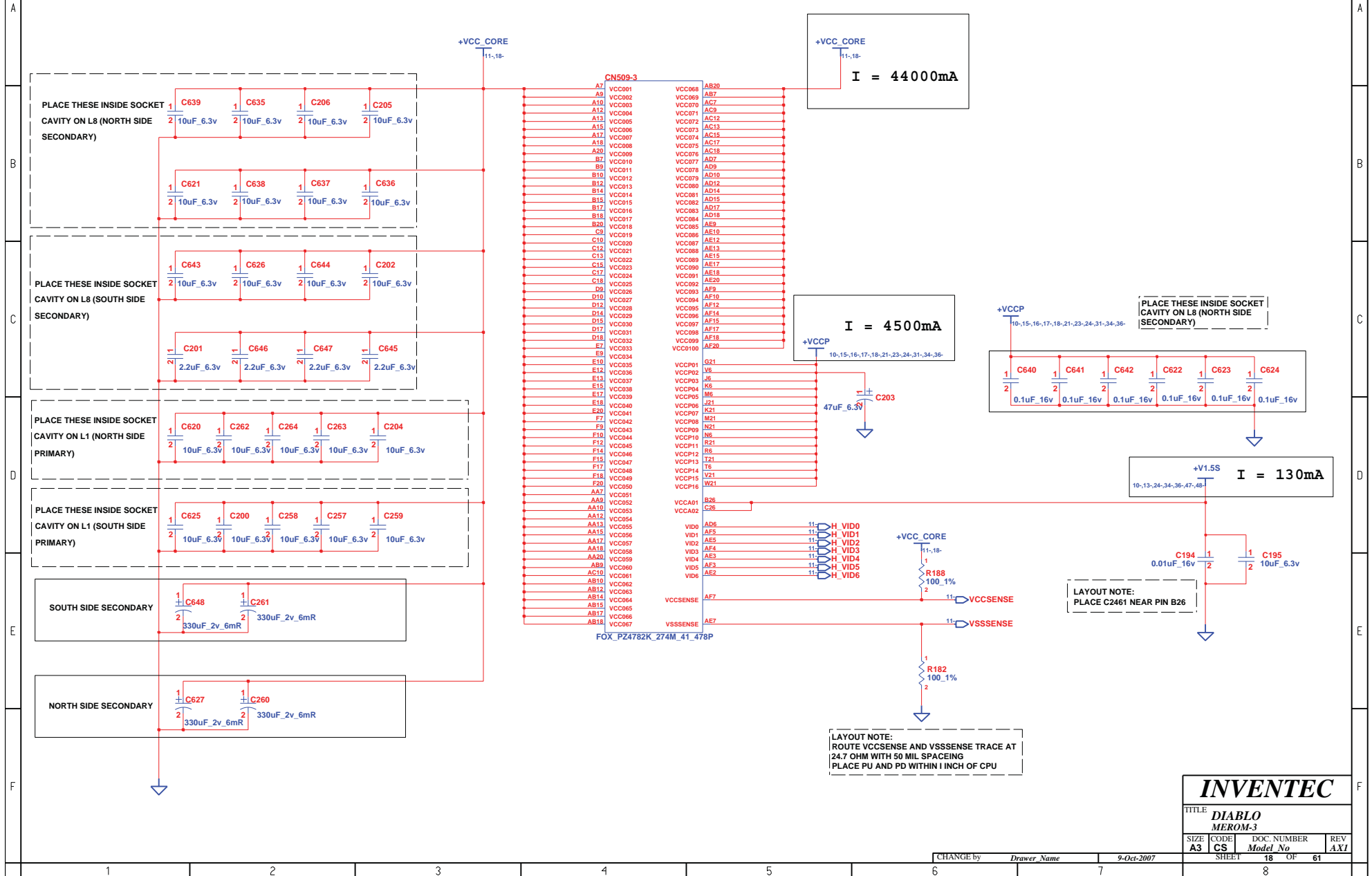
TITLE
**DIABLO
MEROM-2**

SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	AXI

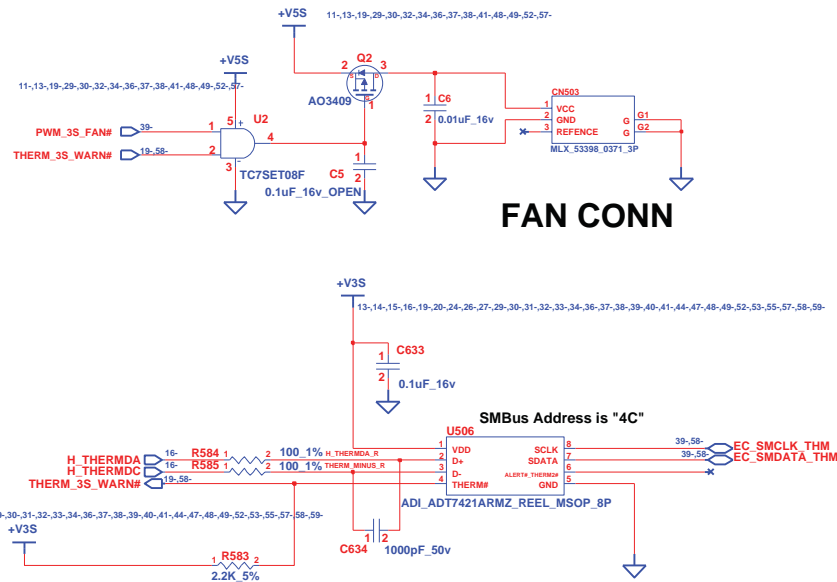
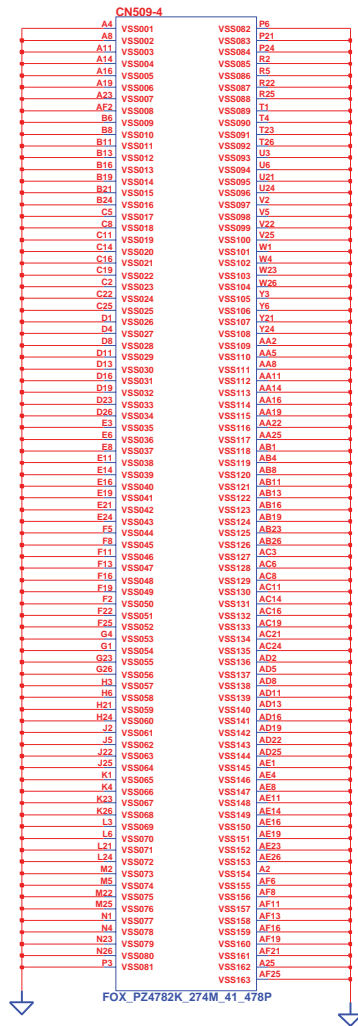
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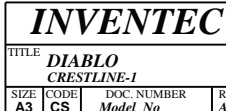
INVENTEC

TITLE
**DIABLO
THERMAL&FAN**

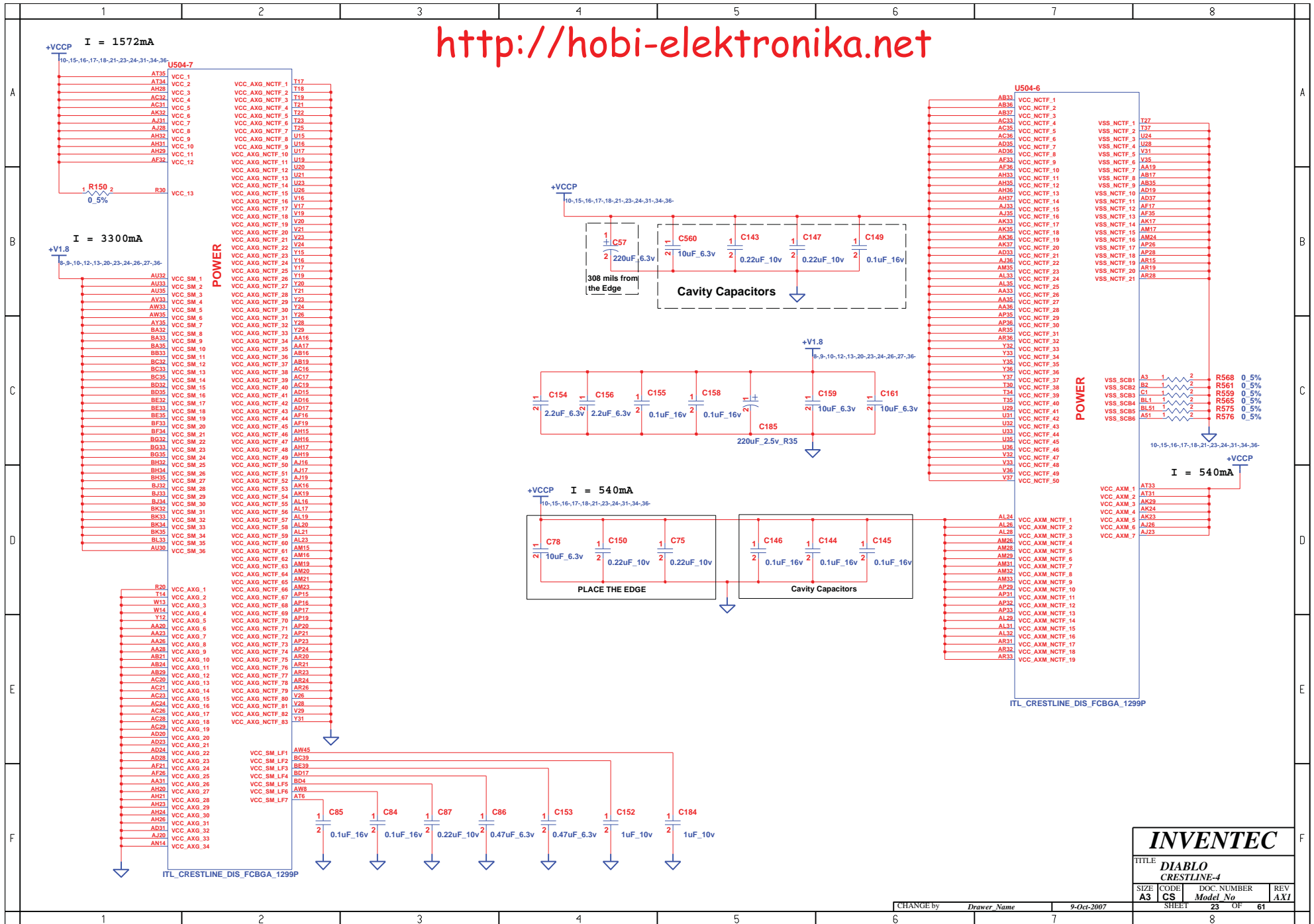
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	AXI

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CHANGE by *Drawer Name* 9-Oct-2007



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INVENTEC

TITLE
**DIABLO
CRESTLINE-4**

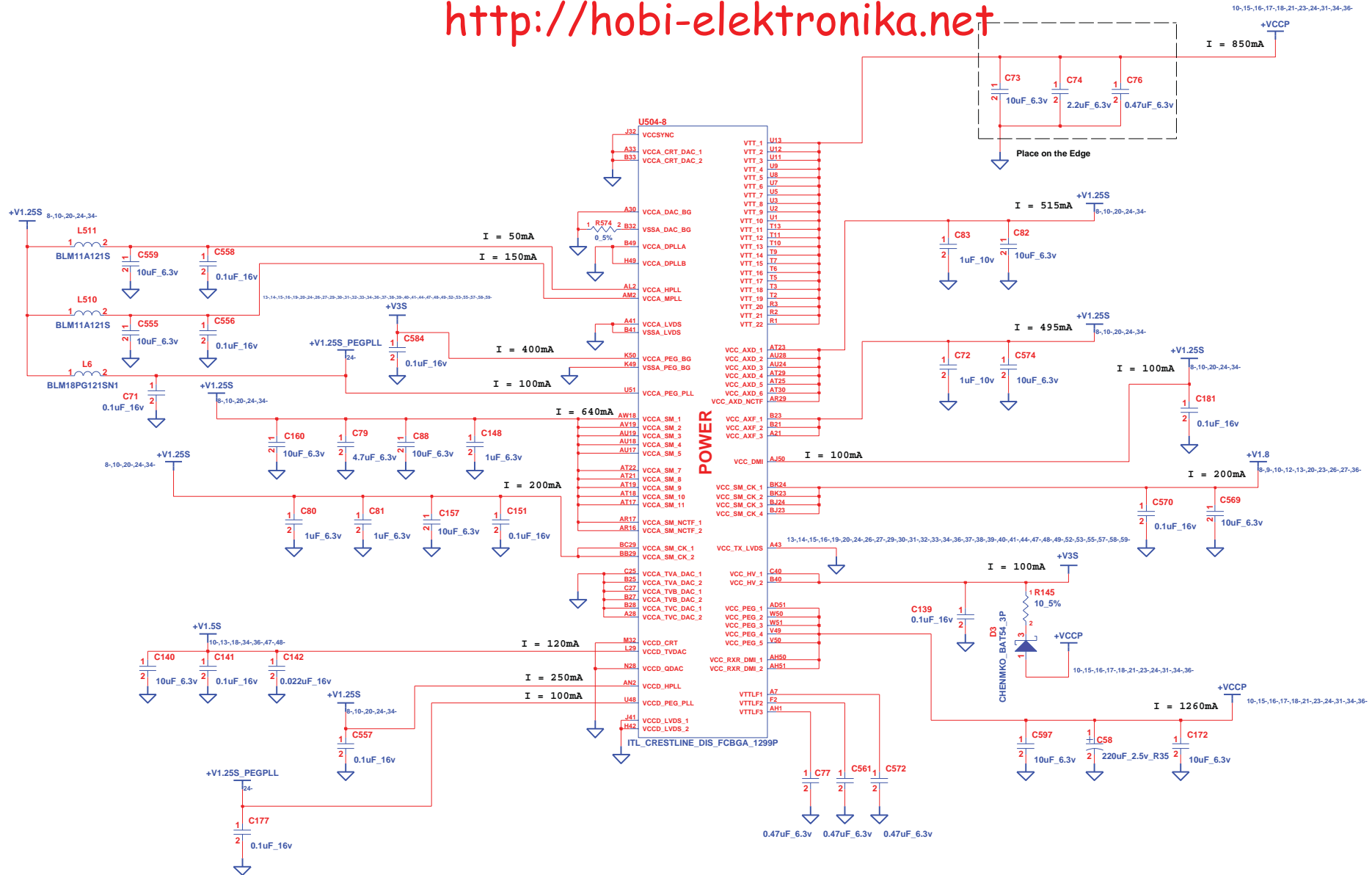
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	AXI

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CHANGE by *Drawer Name* 9-Oct-2007

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INVENTEC

TITLE
DIABLO
Crestline-5

SIZE A3	CODE CS	DOC. NUMBER Model No	REV AXI
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U504-9

U504-10

ITL_CRESTLINE_DIS_FCBGA_1299P

ITL_CRESTLINE_DIS_FCBGA_1299P

INVENTEC

TITLE DIABLO CRESTLINE-6

SIZE CODE CS

DOC. NUMBER

REV AXI

CHANGE by

Drawer Name

9-Oct-2007

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TITLE			
DIABLO CRESTLINE-6			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	<i>Model No</i>	<i>AXI</i>
SHEET		25	OF 61

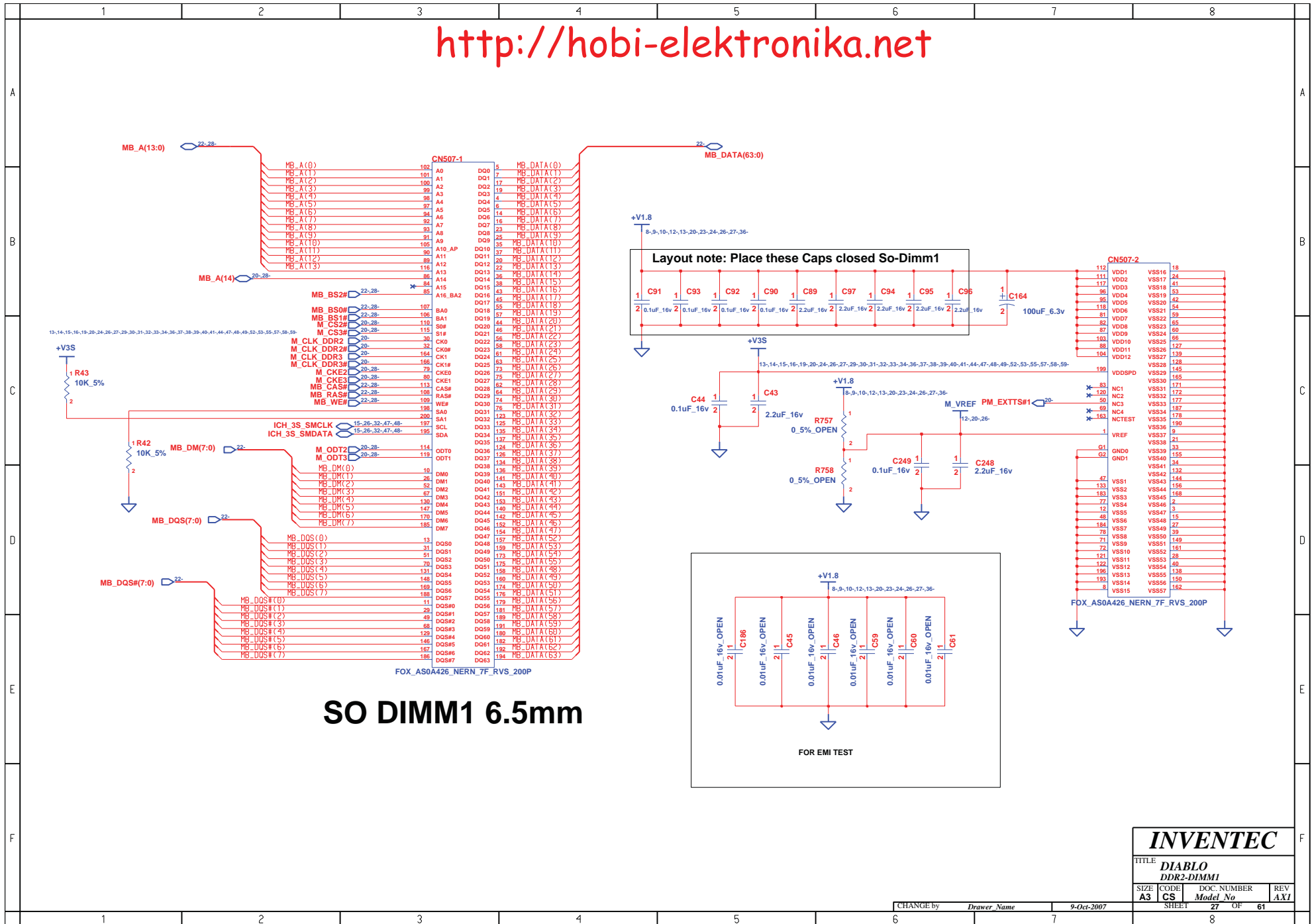
[illegible]

TITLE <i>DIABLO</i> <i>DDR2-DIMM-0</i>			
SIZE A3	CODE CS	DOC. NUMBER <i>Model No</i>	REV <i>AXI</i>

CHANGE by	<i>Drawer Name</i>	9-Oct-2007
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CS	Model No		
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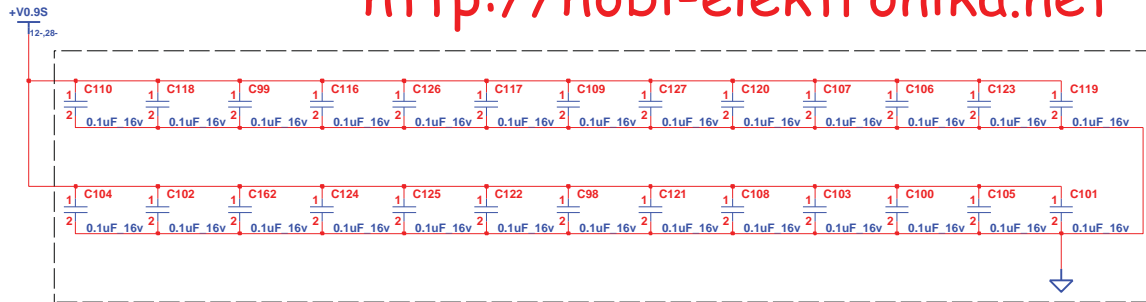
TITLE
**DIABLO
DDR2-DIMM1**

SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	AXI

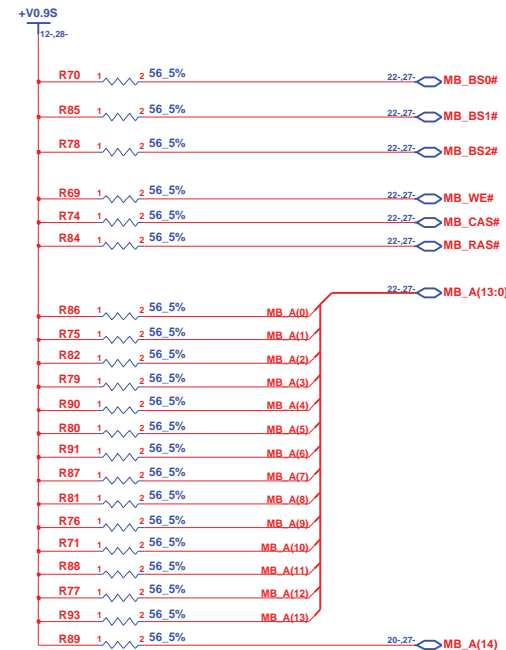
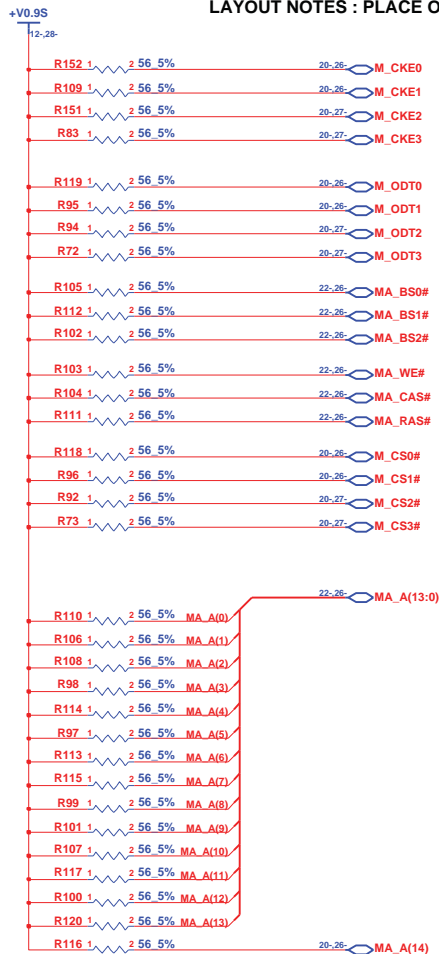
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LAYOUT NOTES : PLACE ONE CAP CLOSE TO EVERY 2 PULL UP RESISTOR TERMINATED TO +V0.9S



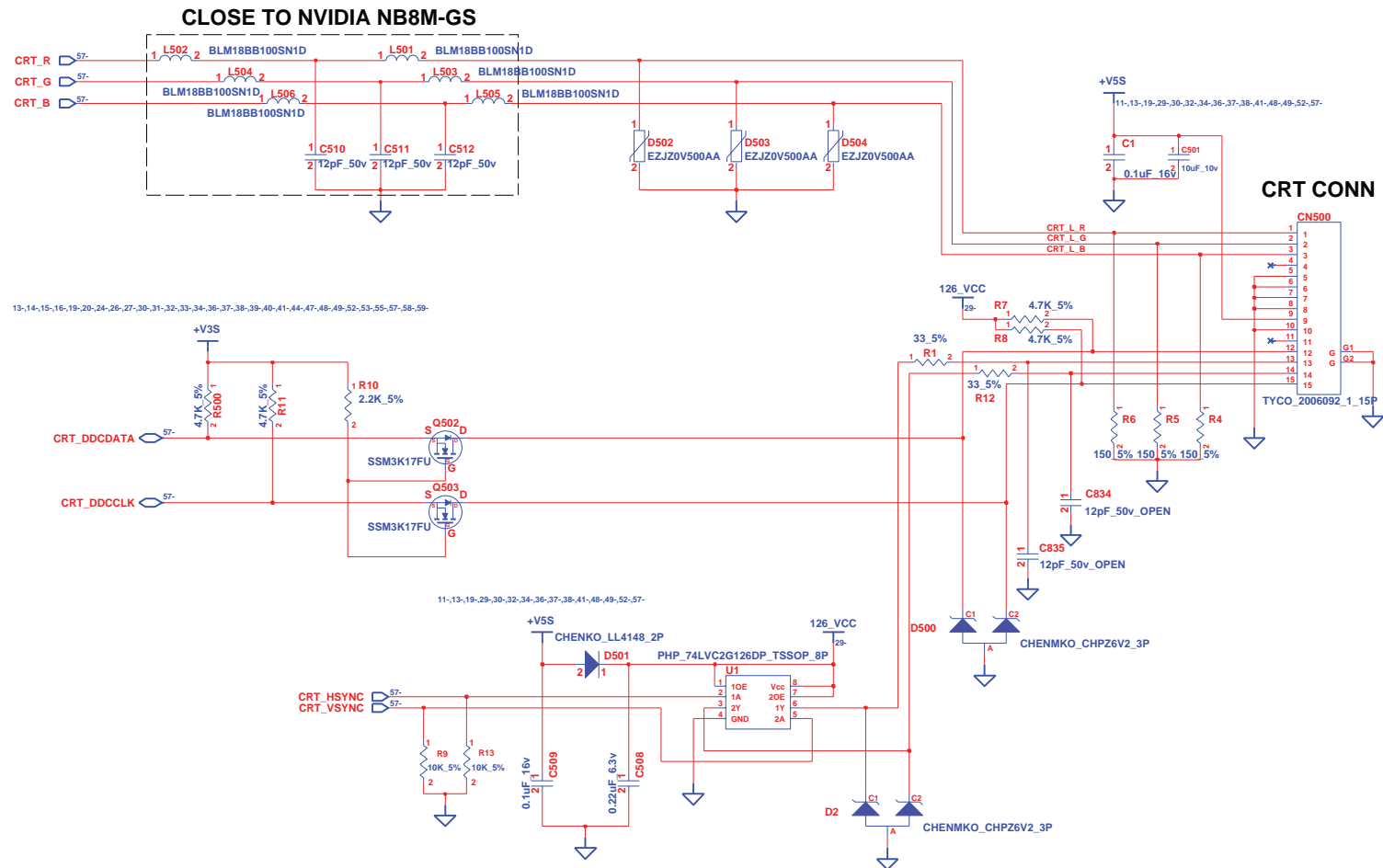
INVENTEC

TITLE
DIABLO
DDR2-DAMPING

SIZE A3	CODE CS	DOC. NUMBER Model No	REV AXI
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CHANGE by *Drawer Name* 27-Sep-2003

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INVENTEC

TITLE DIABLO VGA CONN			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV AXI
SHEET 29		OF 61	

CHANGE by *Drawer Name* 9-Oct-2007

[illegible][illegible][illegible]

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Place closed to connector

LCM CONN

CN1

HTK_LVC_C30SFYG+ 30P

G1
G2
G3
G4

U27
TC7SET08F

R501
10K_5%

C504
0.1uF_16v

C505
1000pF_50v

R503
0_5%

INV_PWM_3

LID_SW#_3

LCM_BKLTEN#

+V3S
11,13,19,29,32,34,36,37,38,41,48,49,52,57

+V5S

+V3A
7,13,32,33,34,36,41,43,45,47,48

+V5A
7,8,9,10,11,12,13,34,36,39,41,42

Q504
FDC638P

Q501
SSM3K7002F

Q500
SSM3K7002F

R502
47K_5%

R504
47K_5%

R505
100_5%

C506
0.1uF_16v

C507
0.1uF_16v

C3
10uF_6.3v

C500
100pF_50v

C4
0.1uF_16v

R14
2.2K_5%

R15
2.2K_5%

LVDS_DDC_CLK

LVDS_DDC_DATA

LVDSA_DATA#0

LVDSA_DATA#1

LVDSA_DATA#2

LVDSA_CLK#

LVDSA_CLK

LVDS_VDD_EN

LVDS_DDC_DATA

LVDSA_DATA#0

LVDSA_DATA#1

LVDSA_DATA#2

LVDSA_CLK#

LVDSA_CLK

LVDS_DDC_CLK

LVDS_DDC_DATA

LVDSA_DATA#0

LVDSA_DATA#1

LVDSA_DATA#2

LVDSA_CLK#

LVDSA_CLK

LVDS_VDD_EN

LVDS_DDC_DATA

LVDSA_DATA#0

LVDSA_DATA#1

LVDSA_DATA#2

LVDSA_CLK#

LVDSA_CLK

LVDS_VDD_EN

LVDS_DDC_DATA

LVDSA_DATA#0

LVDSA_DATA#1

LVDSA_DATA#2

LVDSA_CLK#

LVDSA_CLK

LVDS_VDD_EN

LVDS_DDC_DATA

LVDSA_DATA#0

LVDSA_DATA#1

LVDSA_DATA#2

LVDSA_CLK#

LVDSA_CLK

LVDS_VDD_EN

LVDS_DDC_DATA

LVDSA_DATA#0

LVDSA_DATA#1

LVDSA_DATA#2

LVDSA_CLK#

LVDSA_CLK

LVDS_VDD_EN

LVDS_DDC_DATA

LVDSA_DATA#0

LVDSA_DATA#1

LVDSA_DATA#2

LVDSA_CLK#

LVDSA_CLK

LVDS_VDD_EN

LVDS_DDC_DATA

LVDSA_DATA#0

LVDSA_DATA#1

LVDSA_DATA#2

LVDSA_CLK#

LVDSA_CLK

LVDS_VDD_EN

LVDS_DDC_DATA

LVDSA_DATA#0

LVDSA_DATA#1

LVDSA_DATA#2

LVDSA_CLK#

LVDSA_CLK

LVDS_VDD_EN

LVDS_DDC_DATA

LVDSA_DATA#0

LVDSA_DATA#1

LVDSA_DATA#2

LVDSA_CLK#

LVDSA_CLK

LVDS_VDD_EN

LVDS_DDC_DATA

LVDSA_DATA#0

LVDSA_DATA#1

LVDSA_DATA#2

LVDSA_CLK#

LVDSA_CLK

LVDS_VDD_EN

LVDS_DDC_DATA

LVDSA_DATA#0

LVDSA_DATA#1

LVDSA_DATA#2

LVDSA_CLK#

LVDSA_CLK

LVDS_VDD_EN

LVDS_DDC_DATA

LVDSA_DATA#0

LVDSA_DATA#1

LVDSA_DATA#2

LVDSA_CLK#

LVDSA_CLK

LVDS_VDD_EN

LVDS_DDC_DATA

LVDSA_DATA#0

LVDSA_DATA#1

LVDSA_DATA#2

LVDSA_CLK#

LVDSA_CLK

LVDS_VDD_EN

LVDS_DDC_DATA

LVDSA_DATA#0

LVDSA_DATA#1

LVDSA_DATA#2

LVDSA_CLK#

LVDSA_CLK

LVDS_VDD_EN

LVDS_DDC_DATA

LVDSA_DATA#0

LVDSA_DATA#1

LVDSA_DATA#2

LVDSA_CLK#

LVDSA_CLK

LVDS_VDD_EN

LVDS_DDC_DATA

LVDSA_DATA#0

LVDSA_DATA#1

LVDSA_DATA#2

LVDSA_CLK#

LVDSA_CLK

LVDS_VDD_EN

LVDS_DDC_DATA

LVDSA_DATA#0

LVDSA_DATA#1

LVDSA_DATA#2

LVDSA_CLK#

LVDSA_CLK

LVDS_VDD_EN

LVDS_DDC_DATA

LVDSA_DATA#0

LVDSA_DATA#1

LVDSA_DATA#2

LVDSA_CLK#

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Place closed to connector

LCM CONN

CN1

HTK_LVC_C30SFYG+ 30P

G1
G2
G3
G4

DIABLO LCM CONN

INVENTEC

TITLE			
DIABLO LCM CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	AX1
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Place closed to connector

LCM CONN

CN1

HTK_LVC_C30SFYG+ 30P

U27 TC7SET08F

Q504 FDC638P

Q501 SSM3K7002F

Q500 SSM3K7002F

R501 10K_5%

R502 47K_5%

R503 0_5%

R504 47K_5%

R505 100_5%

C500 100pF_50v

C501 1000pF_50v

C502 0.1uF_16v

C503 0.1uF_16v

C504 0.1uF_16v

C505 1000pF_50v

C506 0.1uF_16v

C507 0.1uF_16v

C3 10uF_6.3v

R14 2.2K_5%

R15 2.2K_5%

C4 0.1uF_16v

LVDS_VDD_EN

LVDS_DDC_CLK

LVDS_DDC_DATA

LVDSA_DATA#0

LVDSA_DATA#1

LVDSA_DATA#2

LVDSA_CLK#

LVDSA_CLK

INV_PWM_3

LID_SW#_3

LCM_BKLTEN

+V5A

+V3A

+V3S

+V5S

+V5A_LED

G1

G2

G3

G4

CHANGE by

Drawer Name

9-Oct-2007

SIZE A3

CODE CS

DOC. NUMBER 30

REV AX1

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Place closed to connector

LCM CONN

CN1

HTK_LVC_C30SFYG+ 30P

G1
G2
G3
G4

DIABLO LCM CONN

INVENTEC

TITLE			
DIABLO LCM CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	AX1
CHANGE by		Drawer Name	9-Oct-2007
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Place closed to connector

LCM CONN

CN1

HTK_LVC_C30SFYG+ 30P

G1
G2
G3
G4

DIABLO LCM CONN

INVENTEC

TITLE			
DIABLO LCM CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	AX1
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Place closed to connector

LCM CONN

CN1

HTK_LVC_C30SFYG+ 30P

G1
G2
G3
G4

DIABLO LCM CONN

INVENTEC

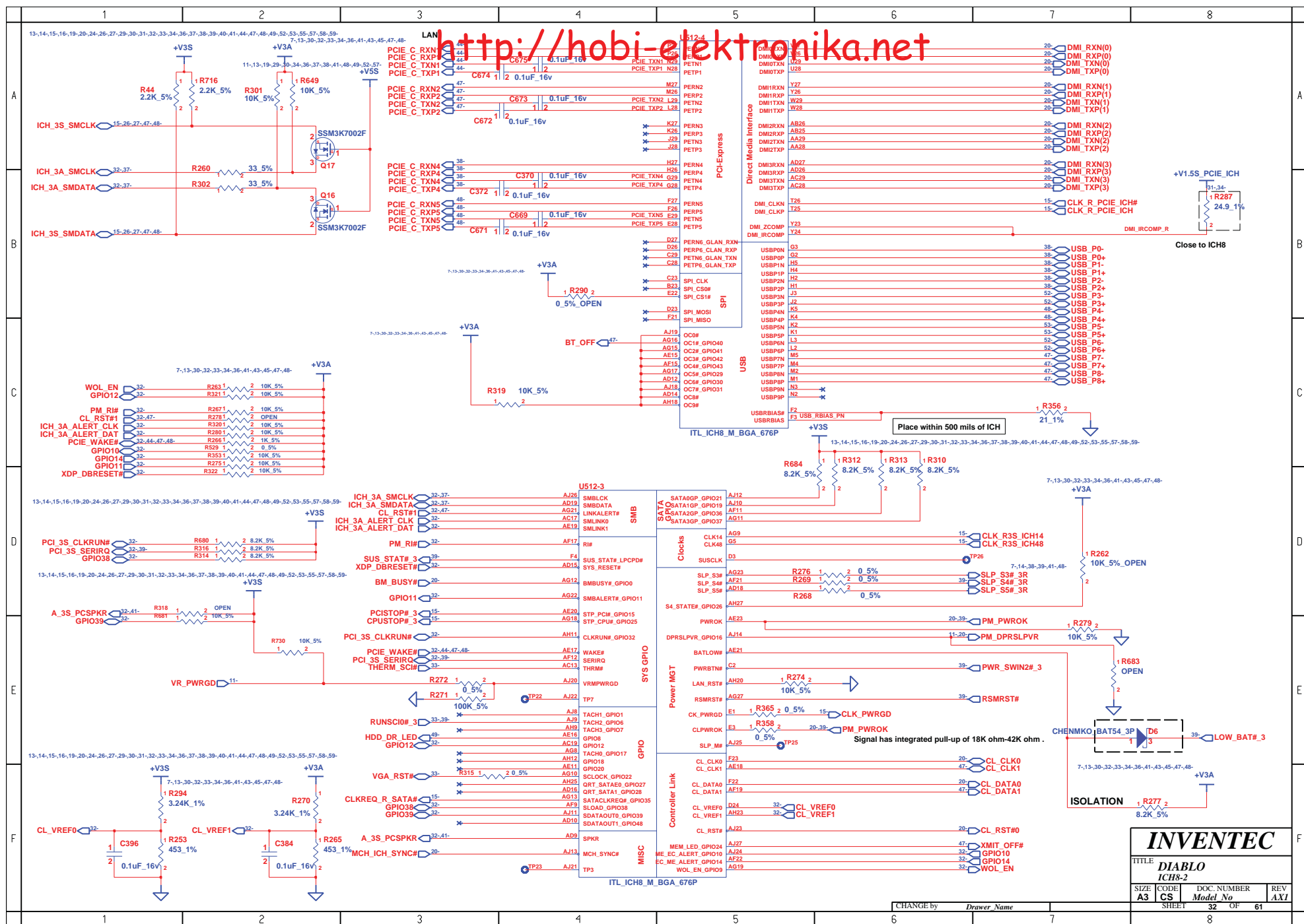
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DIABLO LCM CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	AX1
CHANGE by		Drawer Name	9-Oct-2007
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[illegible]

TITLE			
DIABLO ICH8-1			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	AX1

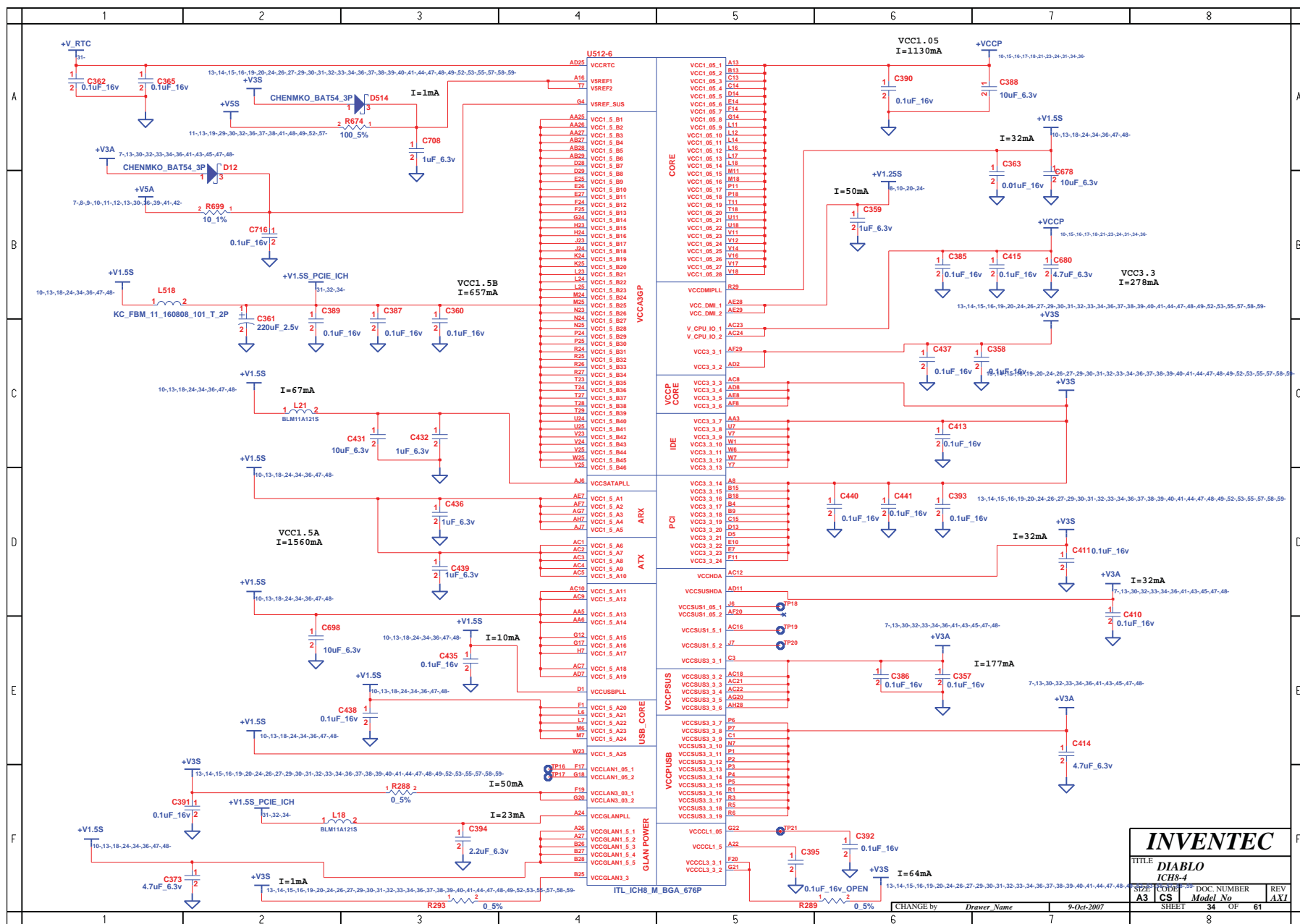
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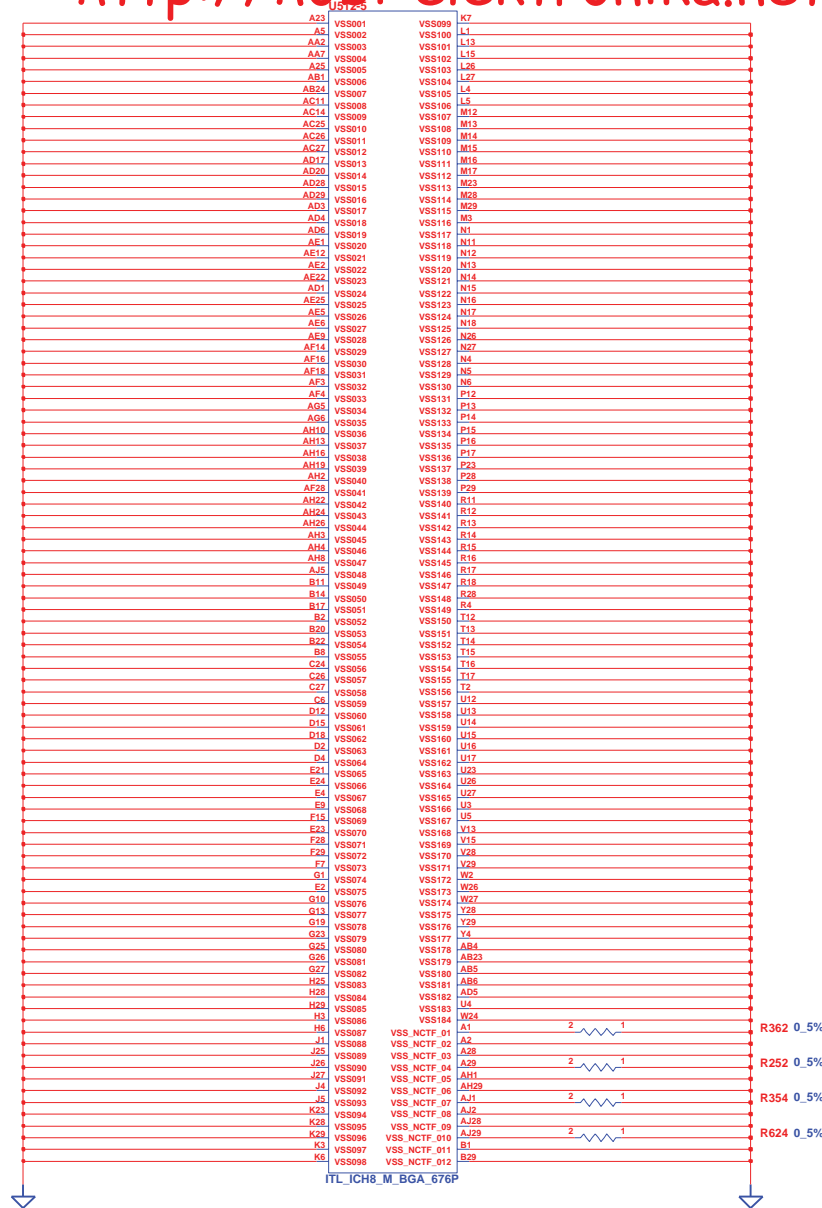


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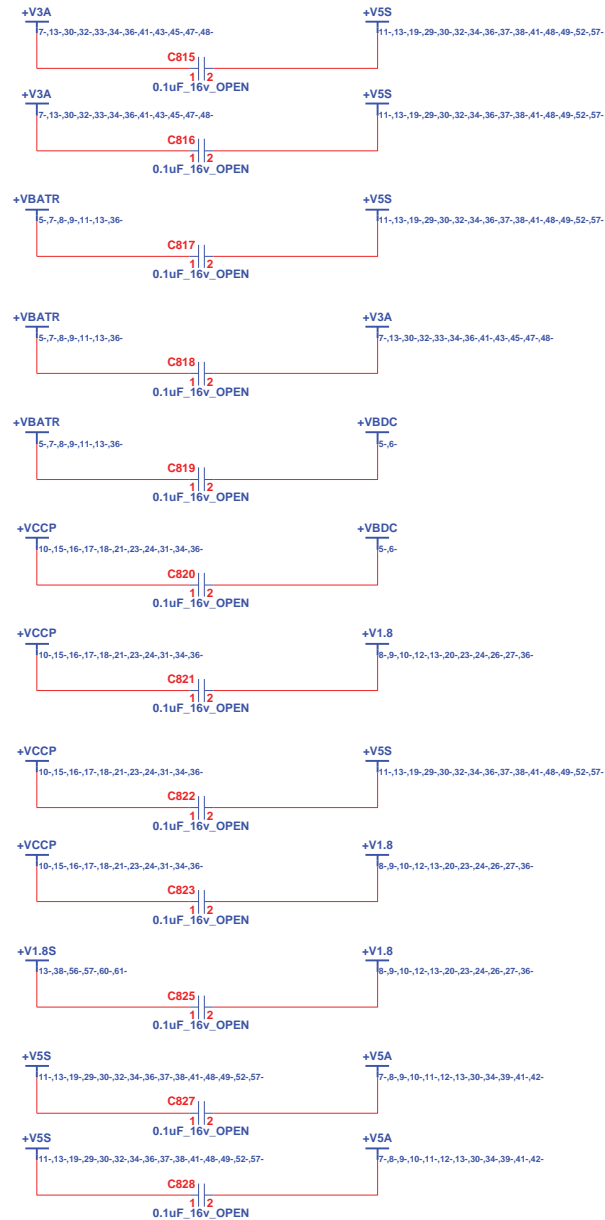
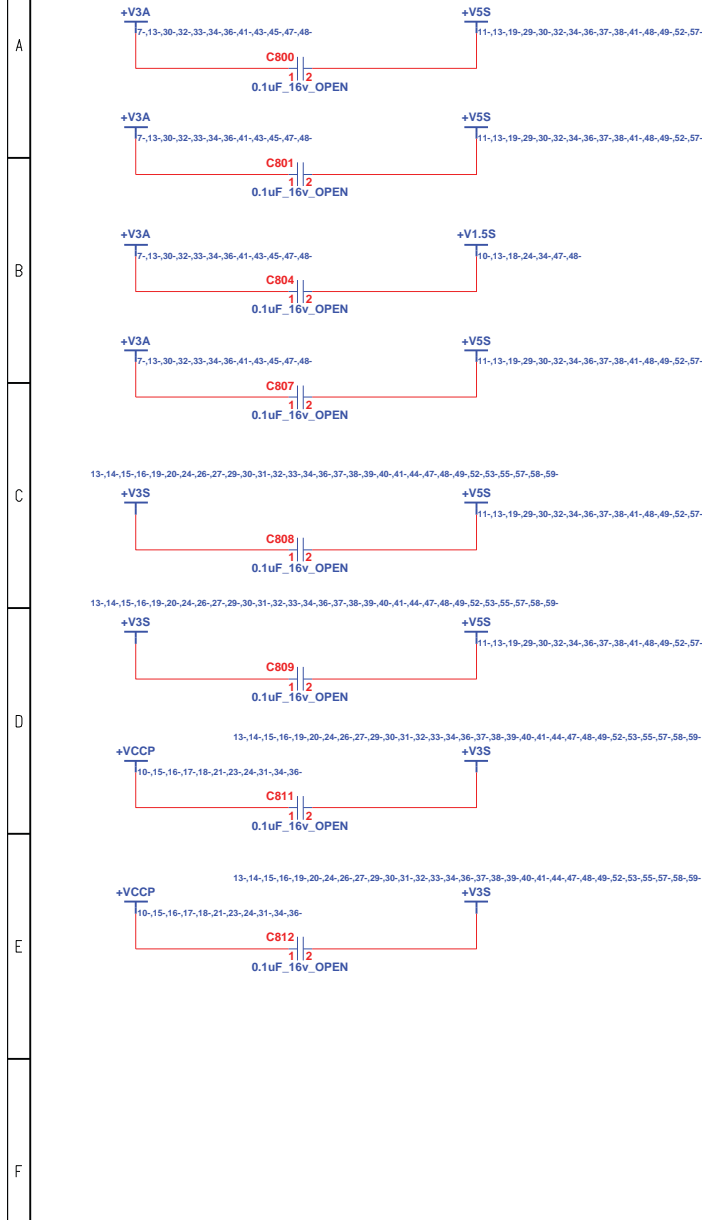


INVENTEC			
TITLE DIABLO ICH8-5			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV AXI
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INVENTEC

TITLE **DIABLO**
SYSTEM BIOS&ODD EXT/B

SIZE A3	CODE CS	DOC. NUMBER <i>Model No</i>	REV AXI
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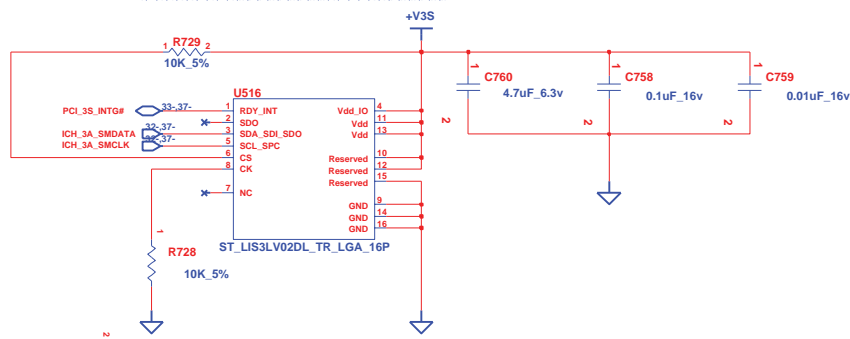
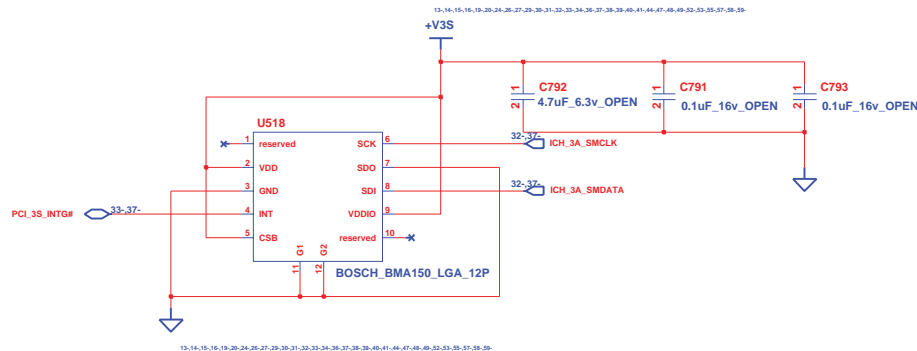
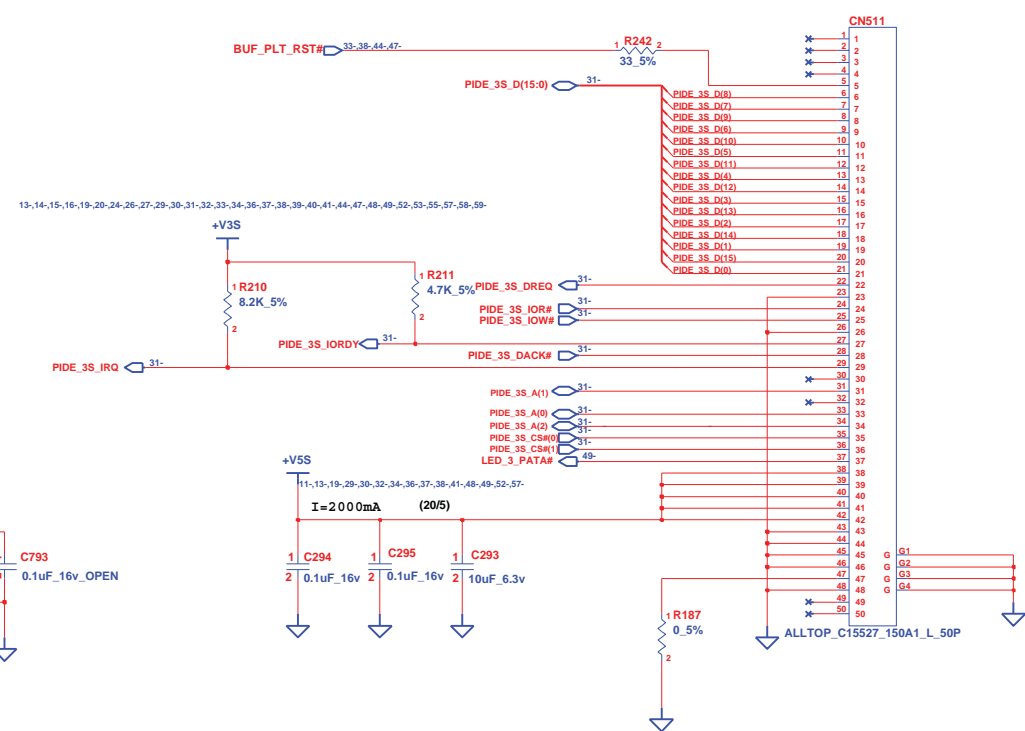
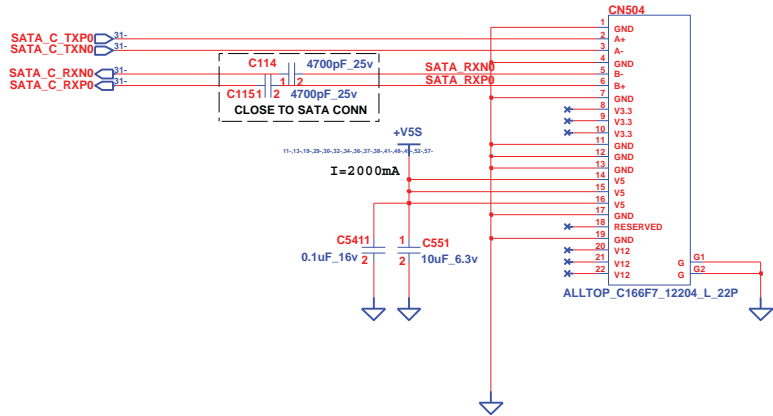
CHANGE by *Drawer Name* 9-Oct-2007

SHEET 36 OF 61

<http://hobi-elektronika.net>

SATA HDD CONN

ODD CONN



HARDDRIVE PROTECTION

INVENTEC

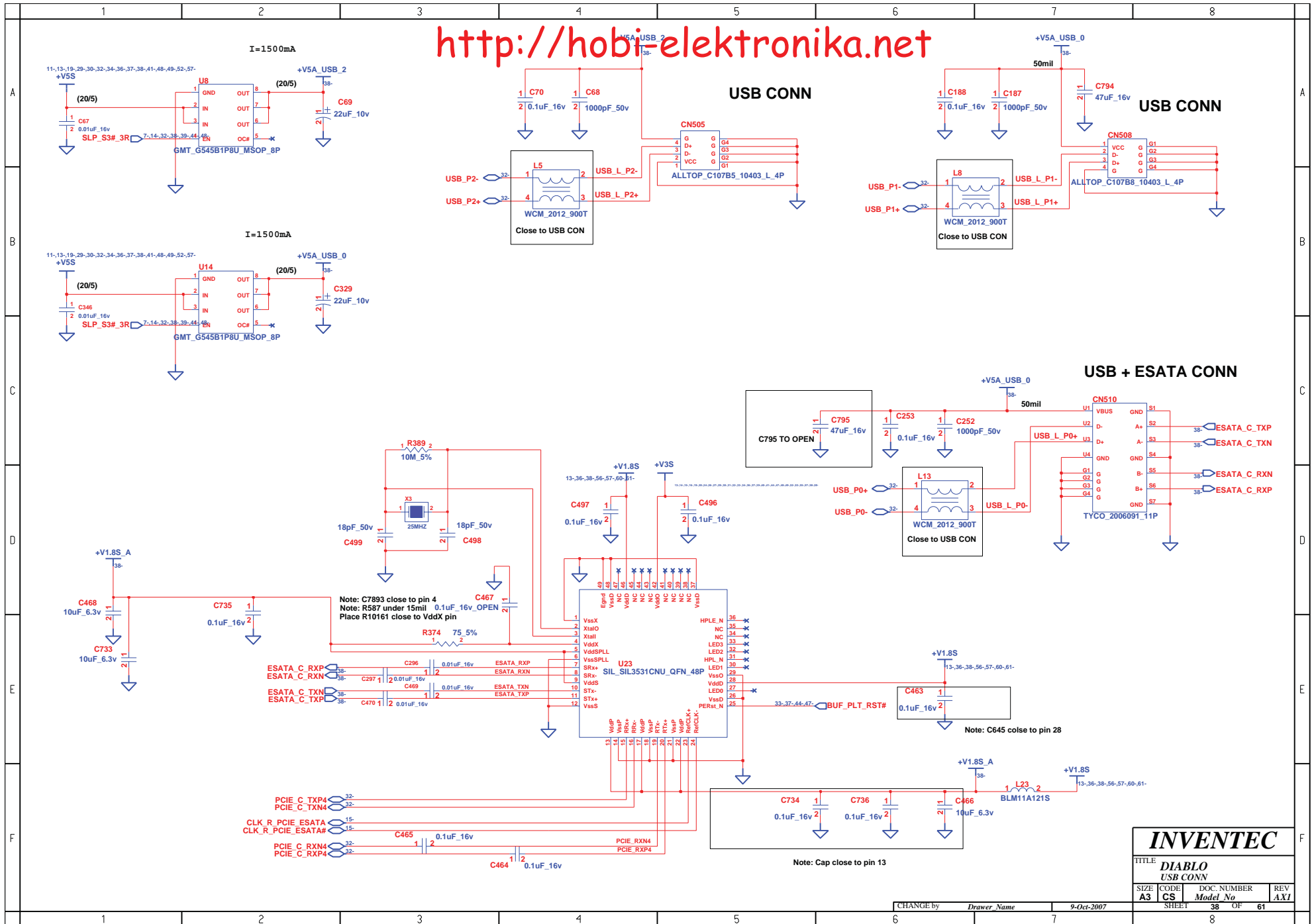
TITLE
**DIABLO
HDD & ODD CONN**

SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	AXI

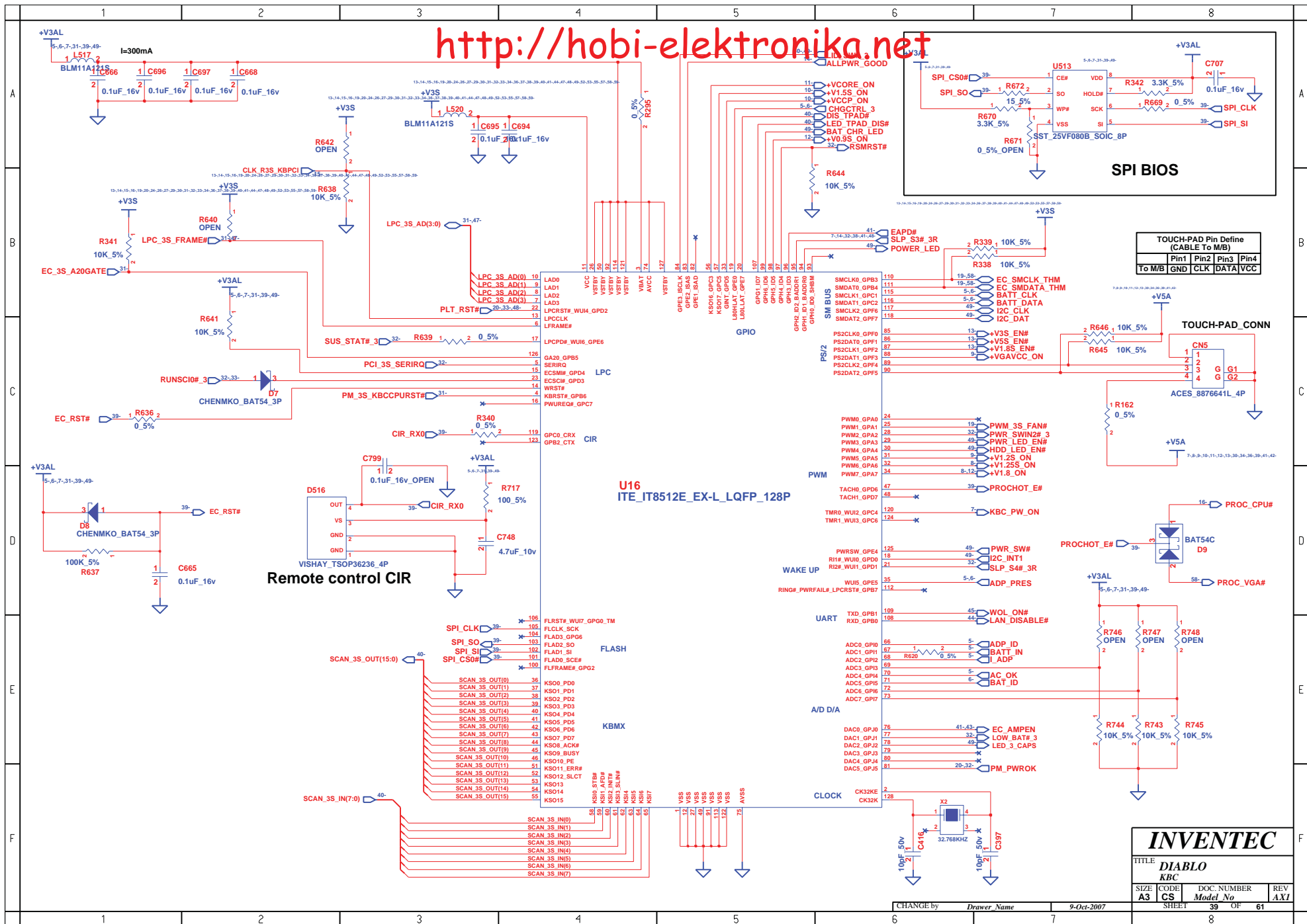
CHANGE by *Drawer Name* 9-Oct-2007

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<http://hobi-elektronika.net>



<http://hobi-elektronika.net>



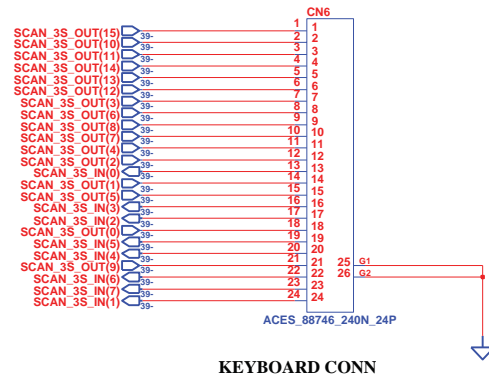
TOUCH-PAD Pin Define (CABLE To M/B)				
To M/B	Pin1	Pin2	Pin3	Pin4
GND				
CLK				
DATA				
VCC				

TOUCH-PAD_CONN				
1	1	1	1	1
2	2	2	2	2
3	3	3	3	3
4	4	4	4	4

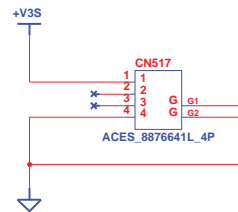
PROC_CPU#				
1	1	1	1	1
2	2	2	2	2
3	3	3	3	3
4	4	4	4	4

INVENTEC				
TITLE				
DIABLO				
KBC				
SIZE	CODE	DOC. NUMBER	REV	
A3	CS	Model No	AXI	
CHANGE by				
Drawer Name				
9-Oct-2007				
SHEET				
39 OF 61				

<http://hobi-elektronika.net>

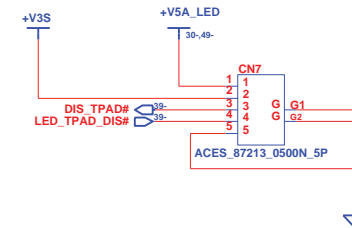


13-14-15-16-19-20-24-26-27-29-30-31-32-33-34-36-37-38-39-40-41-44-47-48-49-52-53-55-57-58-59-



13-14-15-16-19-20-24-26-27-29-30-31-32-33-34-36-37-38-39-40-41-44-47-48-49-52-53-55-57-58-59-

TOUCHPAD LED CONN



INVENTEC

TITLE
DIABLO
KB & TP CONN

SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	AXI

CHANGE by *Drawer Name* 9-Oct-2007

SHEET 40 OF 61

**Locate under CODEC
use 80 mils wide trace
bridging AGND and DGND planes**



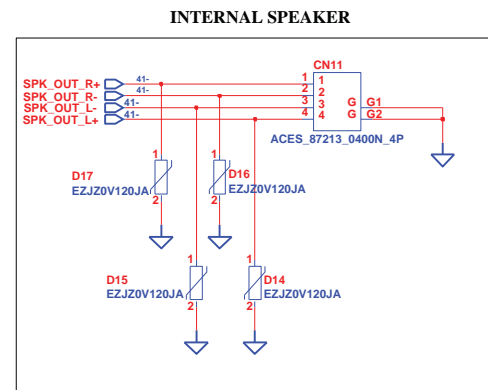
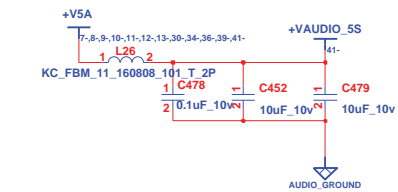
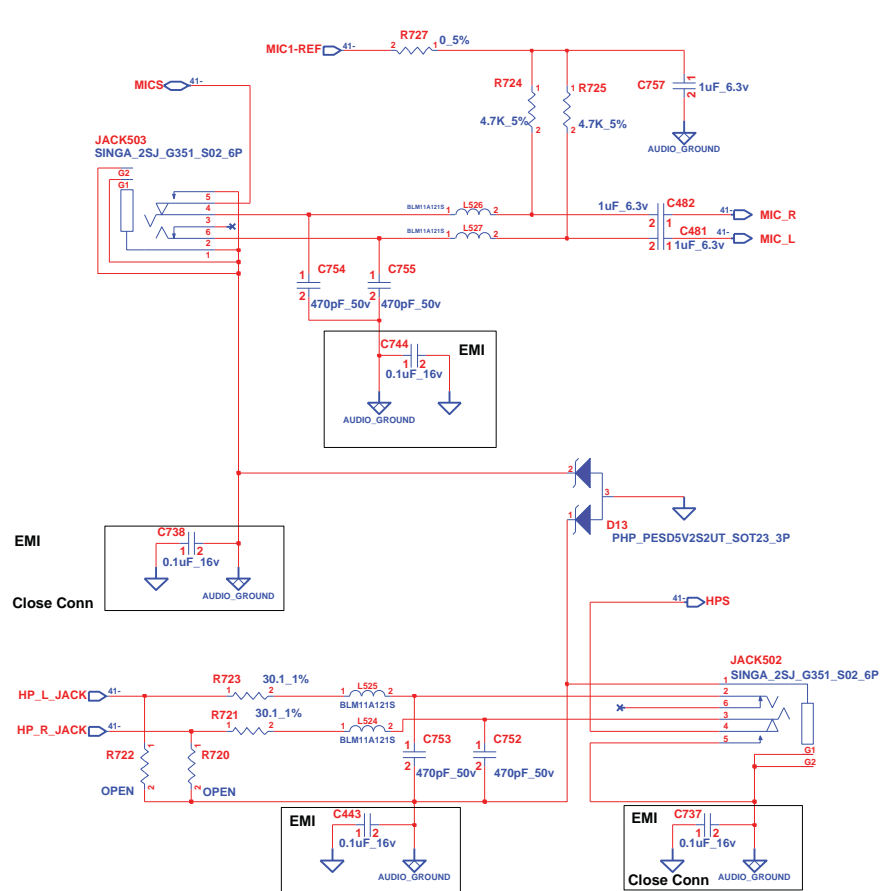
TITLE	<i>DIABLO CODEC</i>
-------	-------------------------

SIZE A3	CODE CS	DOC. NUMBER <i>Model No</i>	REV <i>AXI</i>
SHEET		41	OF 61

CHANGE by	<i>Drawer Name</i>	<i>11-Oct-2007</i>
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8

<http://hobi-elektronika.net>



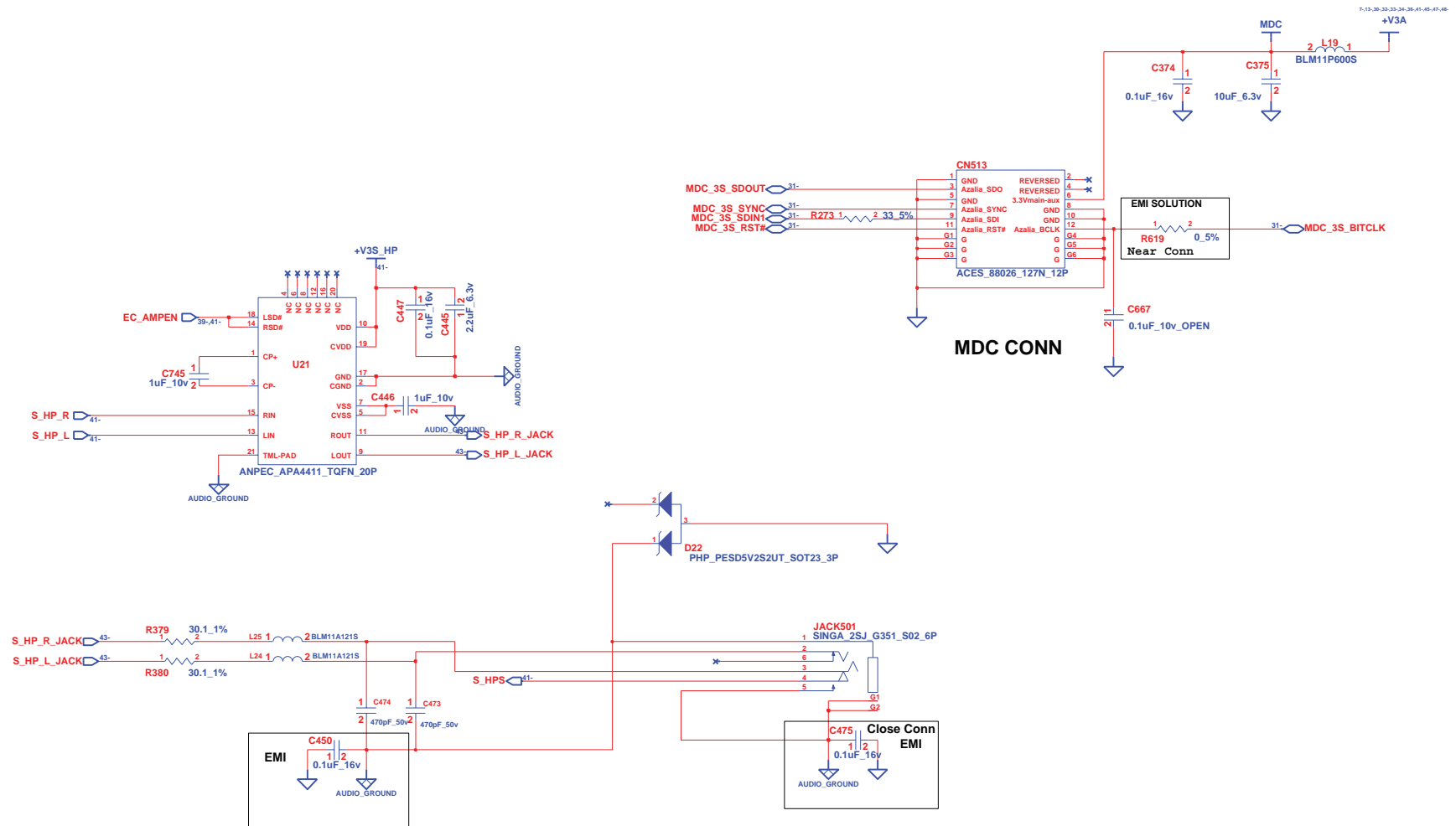
INVENTEC

TITLE			
DIABLO			
AMP & MIC & HP			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	AXI

CHANGE by *Drawer Name* 9-Oct-2007

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INVENTEC

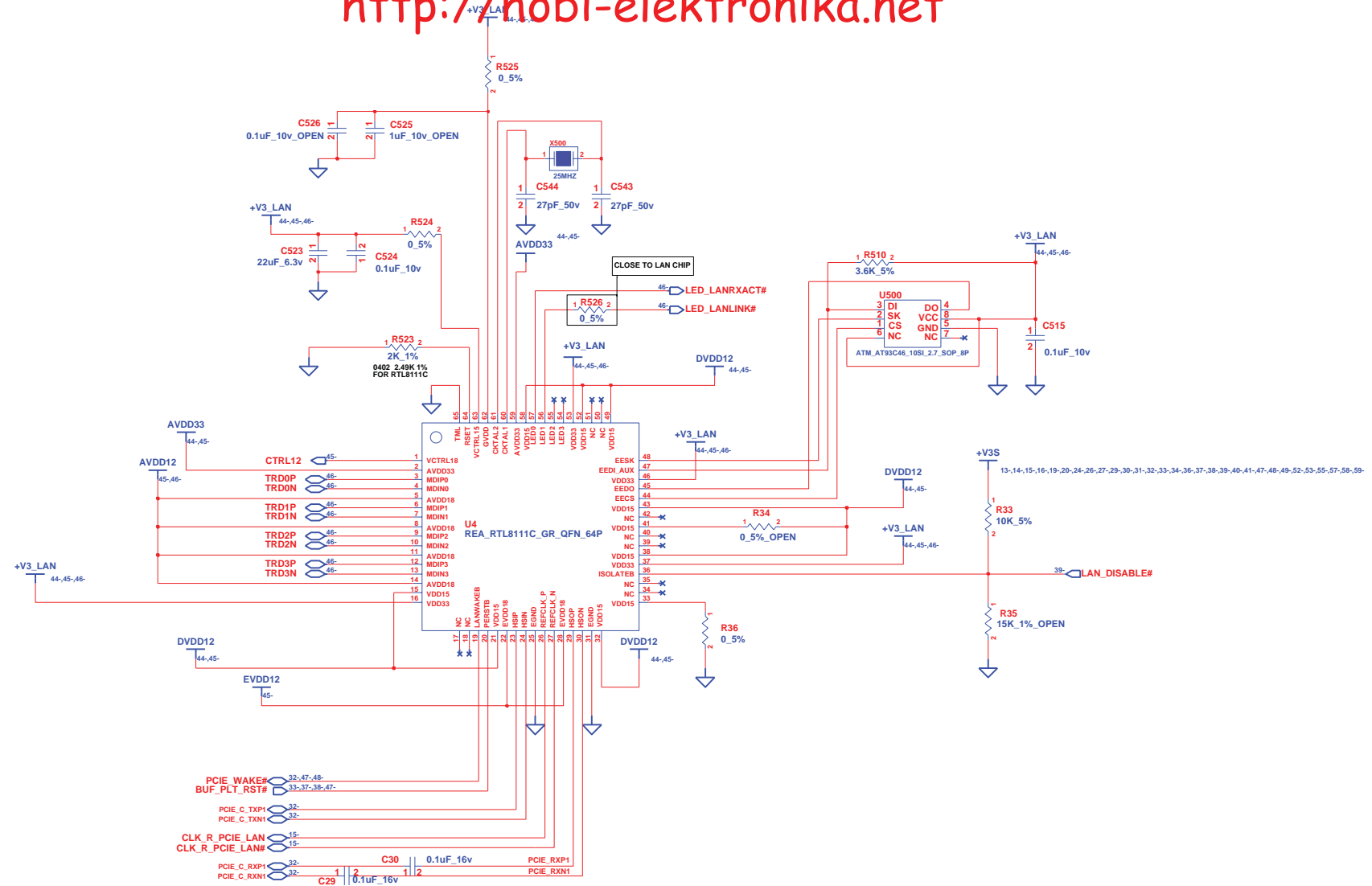
TITLE
DIABLO

SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	AXI

CHANGE by *Drawer Name* 11-Oct-2007

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<http://hobi-elektronika.net>



1000M: RTL8111C

THERMAL PAD: 9 VIAS TO GND
TWO EGND PINS: PUT A LARGE PLANE TO THERMAL PAD

CHANGE by *Drawer Name* 9-Oct-2007

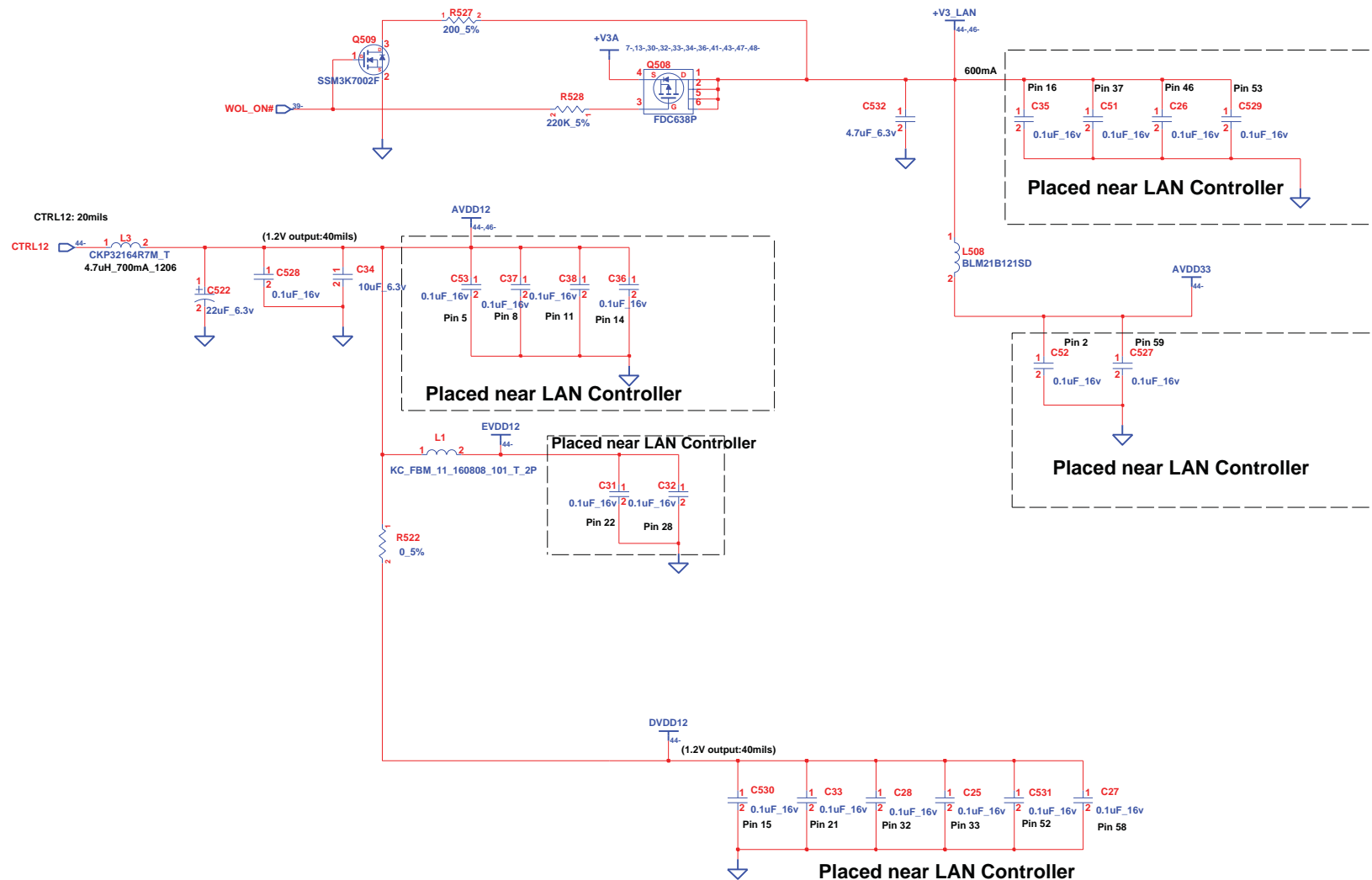
INVENTEC

TITLE
DIABLO
LAN INTERFACE

SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	AXI

SHEET	44	OF	61
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<http://hobi-elektronika.net>



INVENTEC

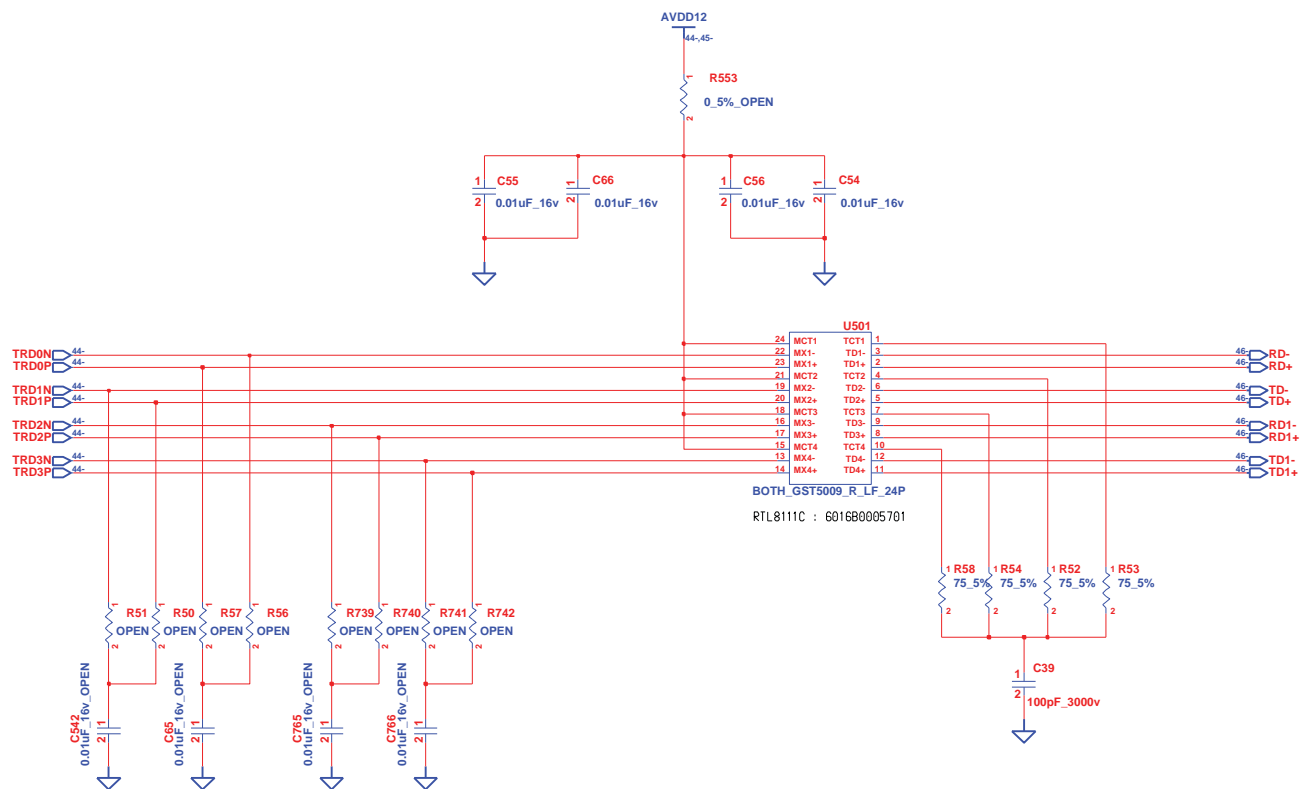
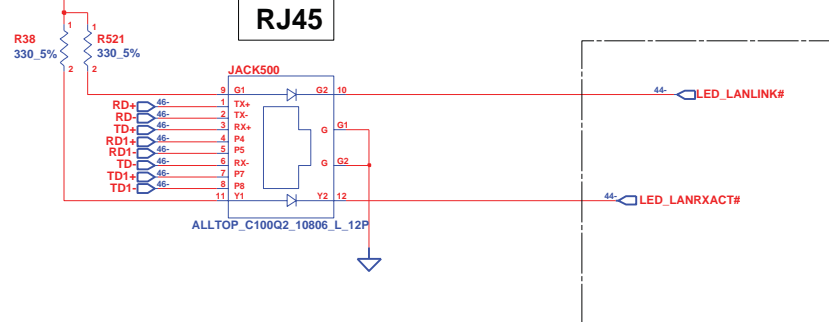
TITLE
**DIABLO
LAN POWER**

SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	AXI

CHANGE by *Drawer Name* 9-Oct-2007

SHEET 45 OF 61

RJ45



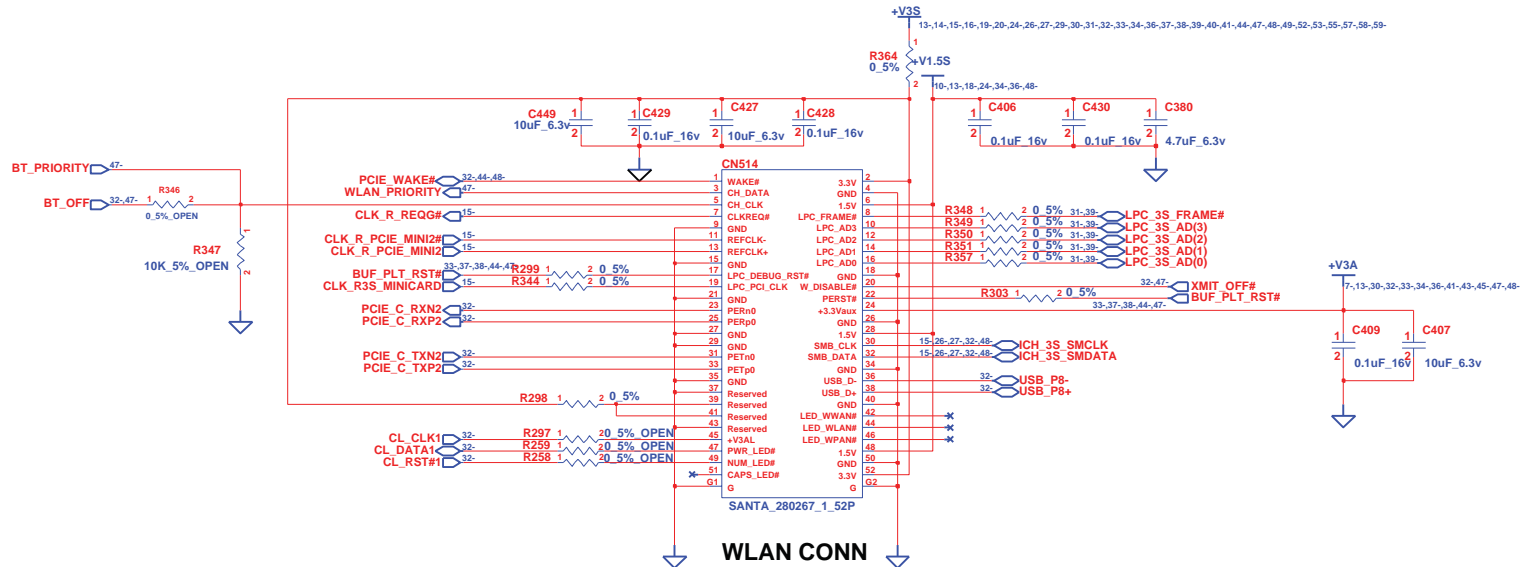
LAYOUT NOTE : Place termination resistors and caps as close to LAN controller as possible

TITLE			
DIABLO LAN RJ45 CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	AXI
SHEET		46	OF 61

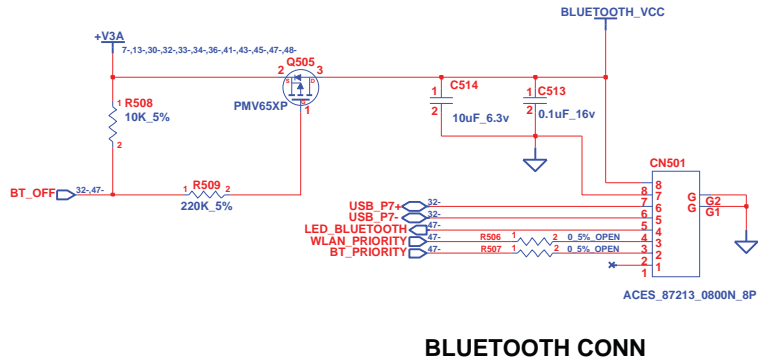
CHANGE by	<i>Drawer_Name</i>	9-Oct-2007
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CS Model No
SHEET 46 OF 61

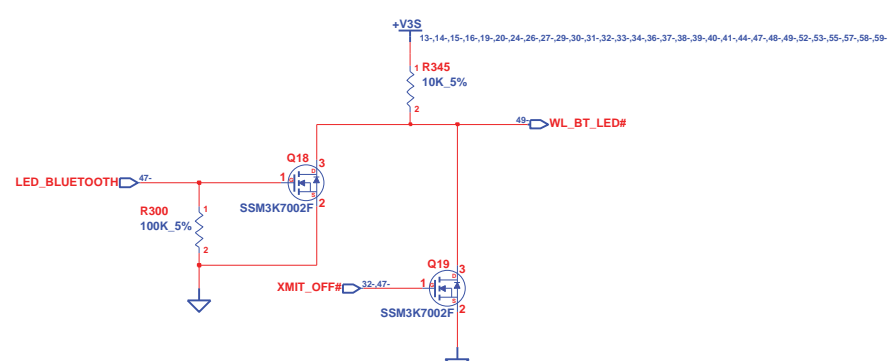
<http://hobi-elektronika.net>



R261,R262,R263,R264,R265 place as close to LPC signal as possible to minimize stub length for LPC bus (will be NI for FCS)



BLUETOOTH CONN



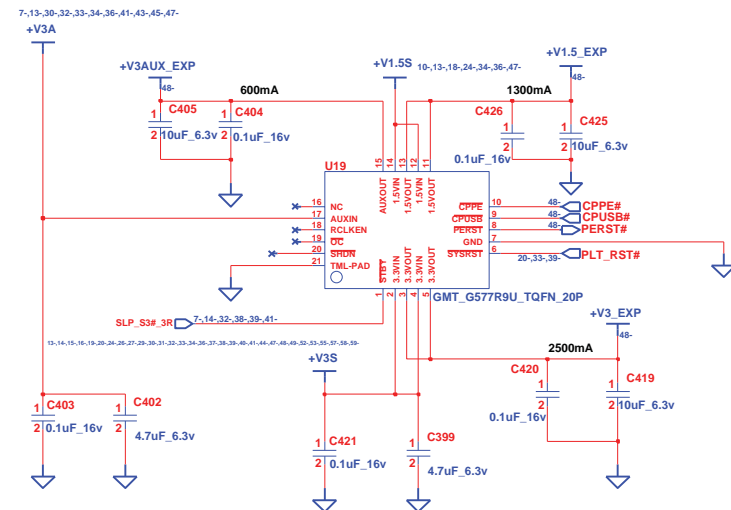
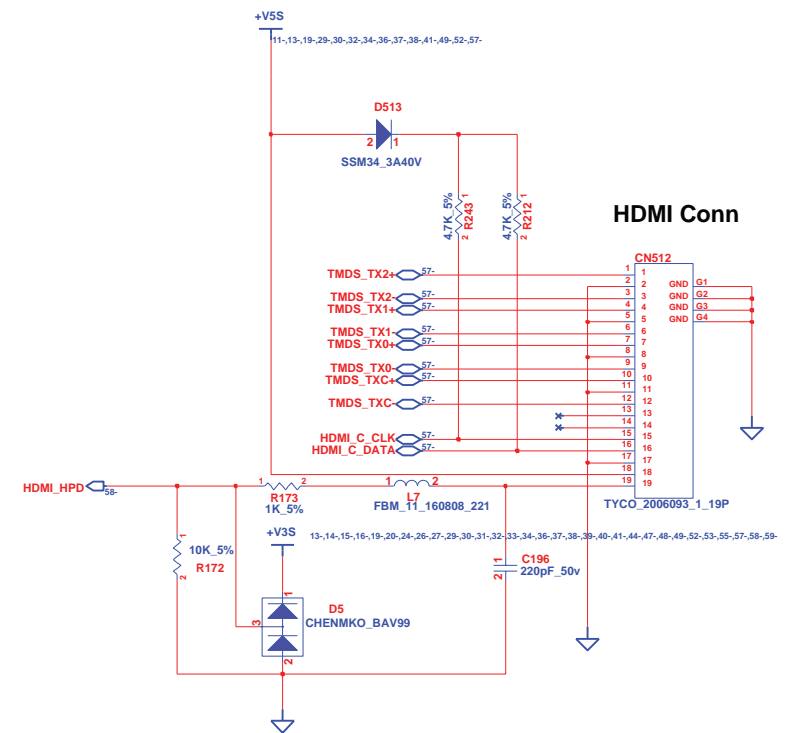
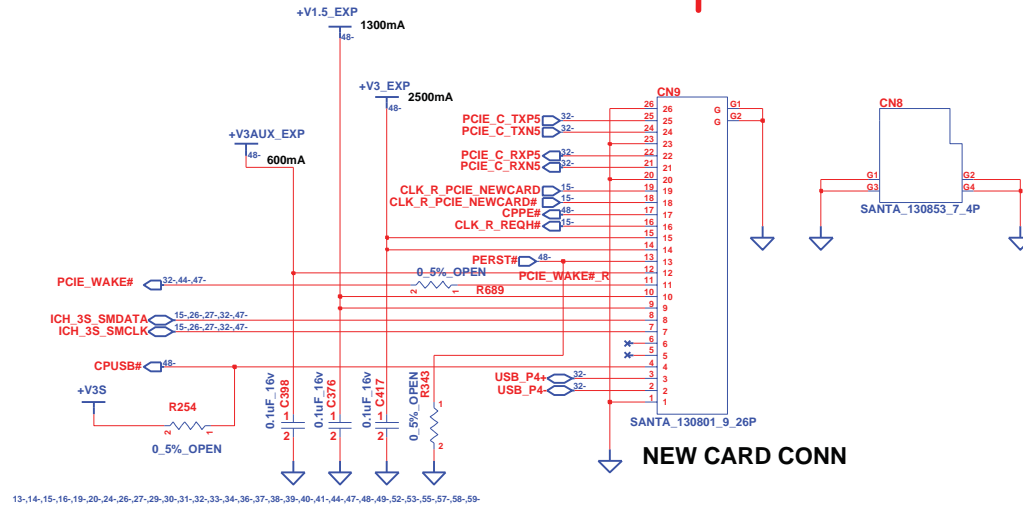
INVENTEC

TITLE			
DIABLO MINICARD CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	AXI

CHANGE by *Drawer Name* 9-Oct-2007

SHEET 47 OF 61

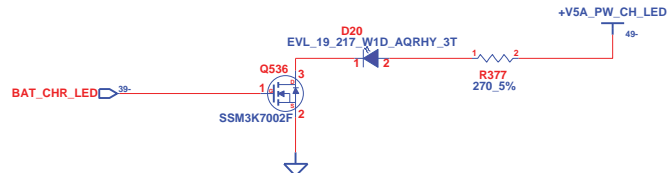
<http://hobi-elektronika.net>



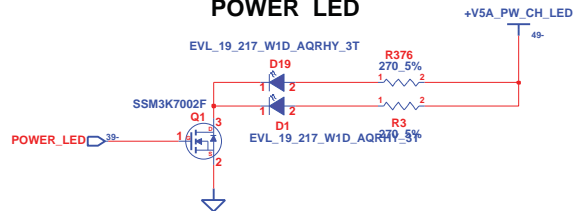
DRAWER	EE	DATE	POWER	DATE	INVENTEC TITLE DIABLO
DESIGN					
CHECK					
RESPONSIBLE					
SIZE =	3	VER :			SIZE CODE
FILE NAME :	XXXX-XXXXXX-XX				A3 CS
P/N	XXXXXXXXXX				DOC. NUMBER
					Model No
					SHEET 48 OF 61

LED P/N: 6011B0072901

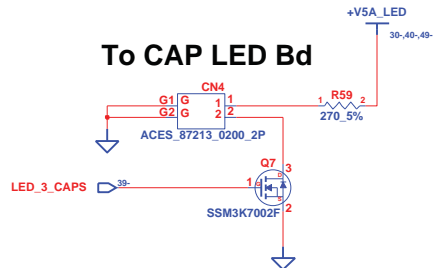
BATTERY-CHARGE LED



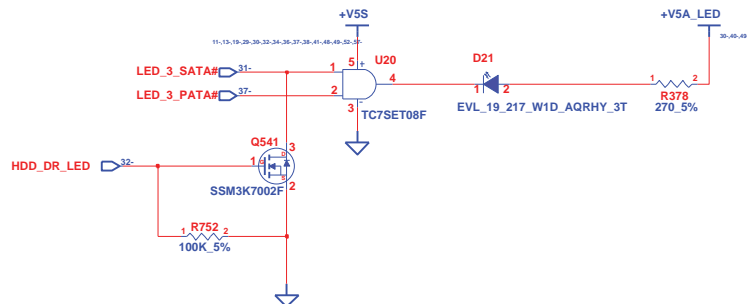
POWER LED



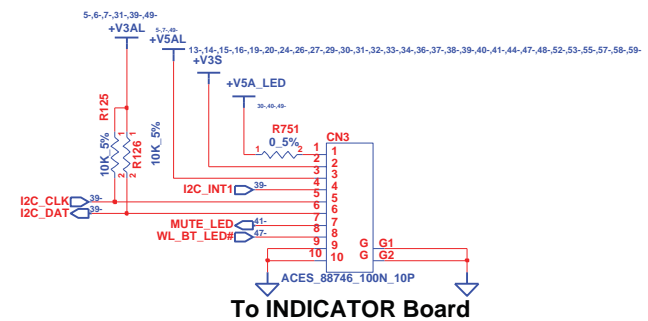
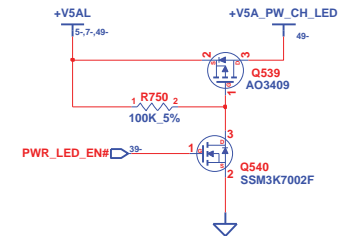
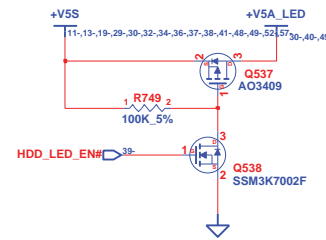
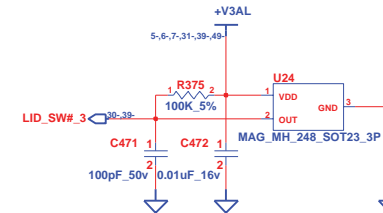
To CAP LED Bd



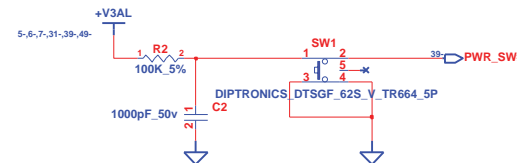
HDD & ODD LED



LID SWITCH



POWER BUTTON



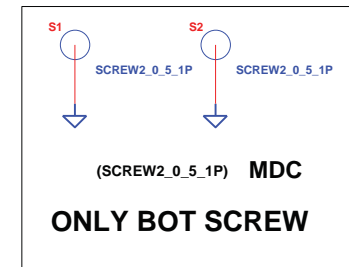
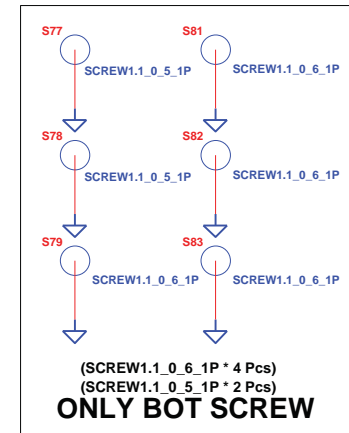
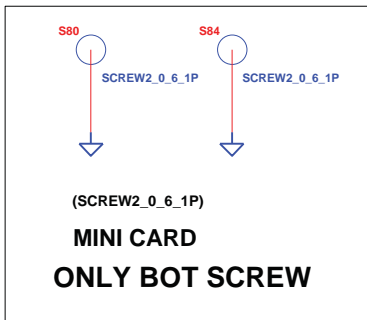
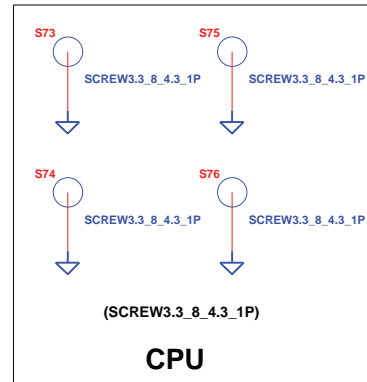
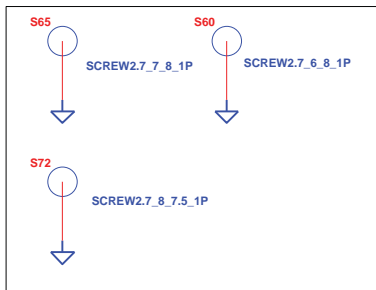
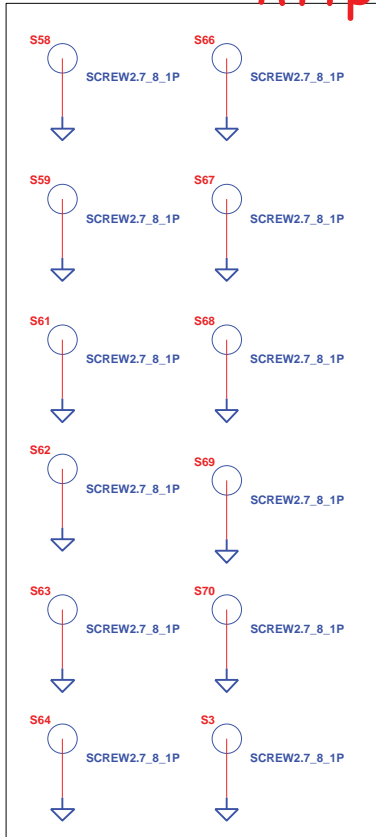
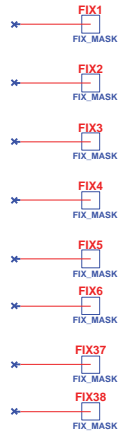
INVENTEC

TITLE			
DIABLO BUTTON & LED			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	AXI

CHANGE by *Drawer Name* 9-Oct-2007

SHEET 49 OF 61

<http://hobi-elektronika.net>



INVENTEC

TITLE DIABLO SCREW			
SIZE A3	CODE CS	DOC. NUMBER <i>Model No</i>	REV AXI

CHANGE by *Drawer Name* 9-Oct-2007

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http://hobi-elektronika.net

TOUCHPAD-DISABLE BOTTOM_DB

TOUCHPAD ACTIVE LED

TouchPad Disable DB

INVENTEC					
TITLE DIABLO FINGER PRINTER CONN.					
SIZE	CODE	DOC. NUMBER	REV		
A3	CS	Model No	AXI		
CHANGE by			Drawer Name	9-Oct-2007	SHEET 51 OF 61

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

<http://hobi-elektronika.net>

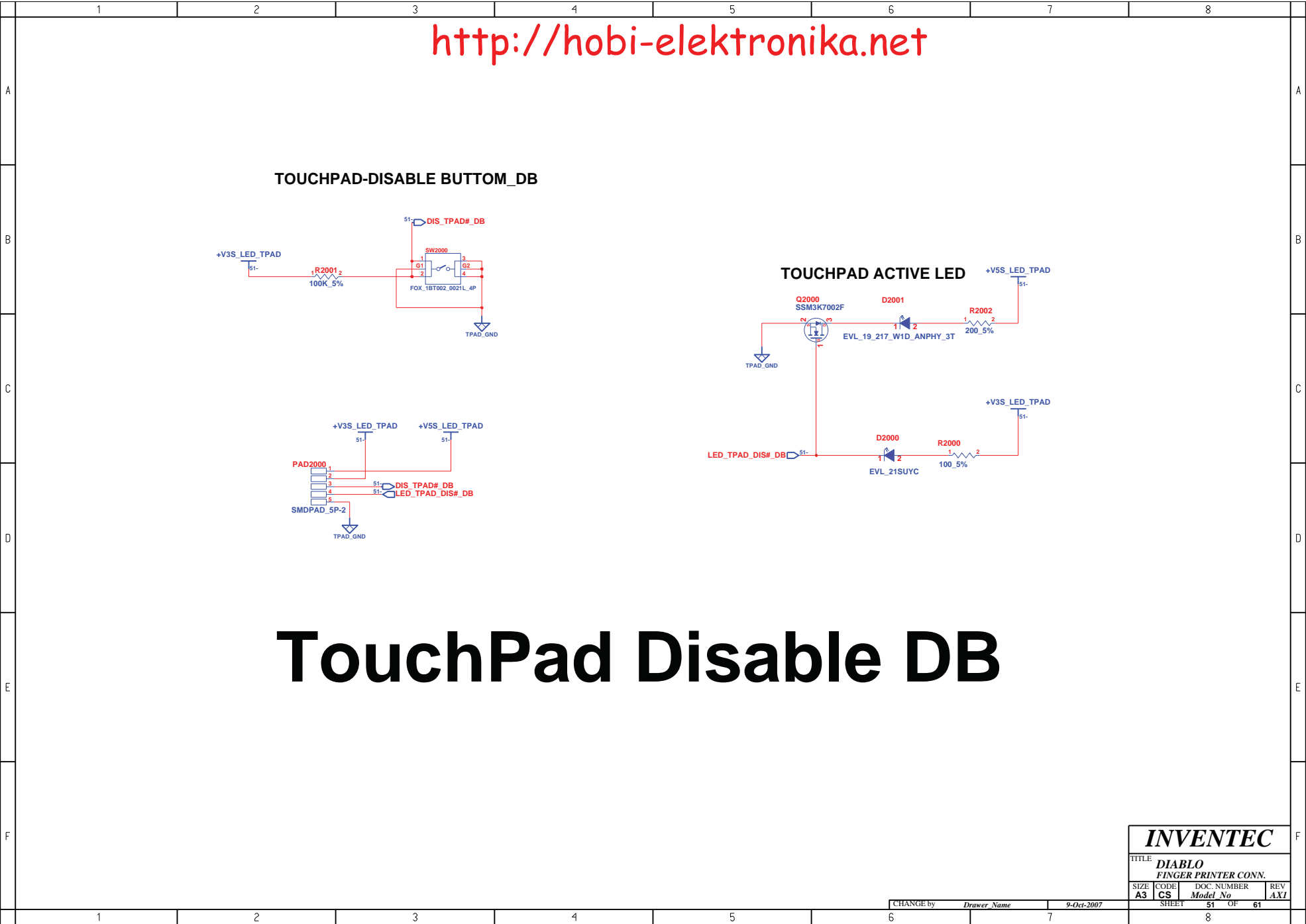
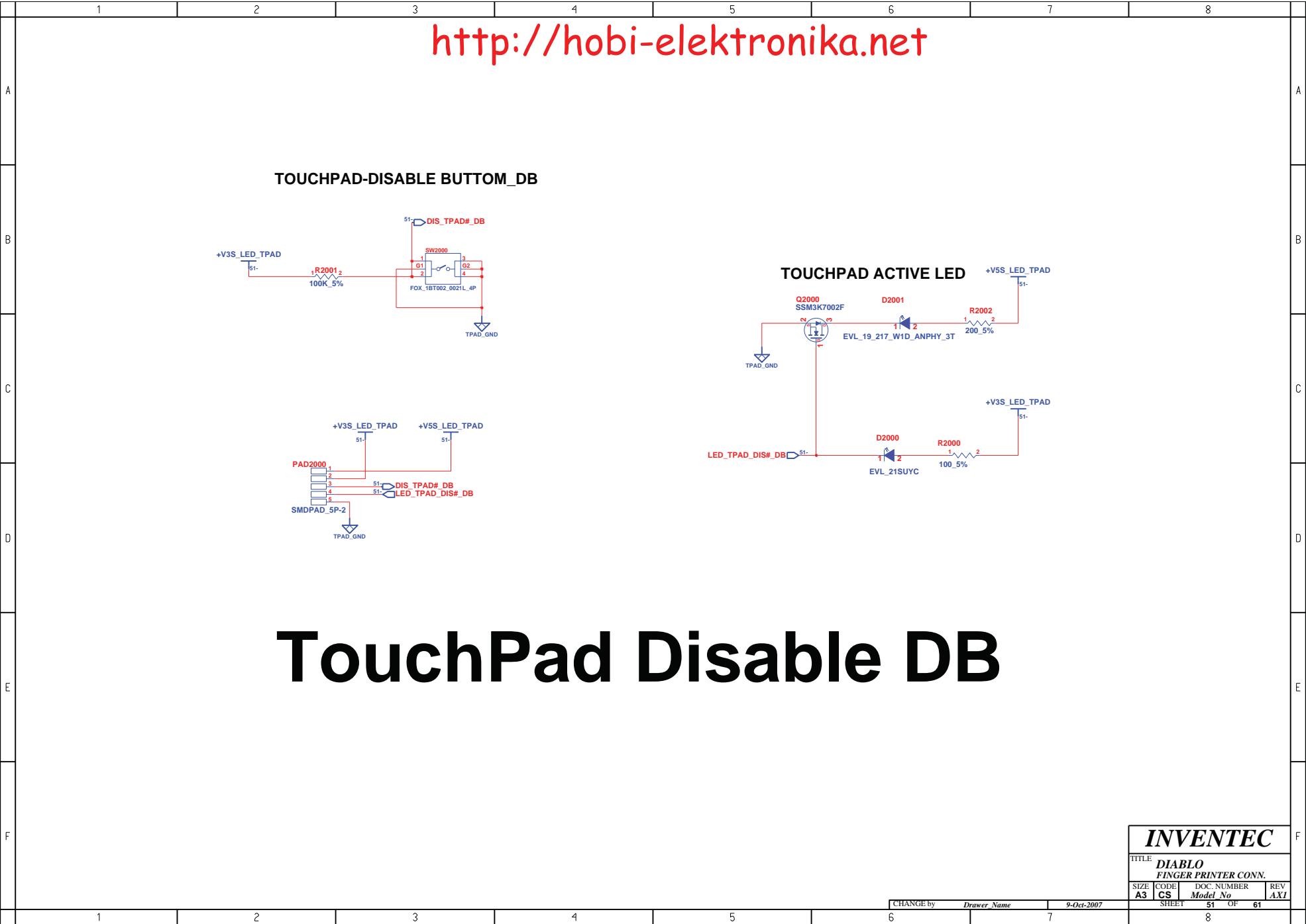
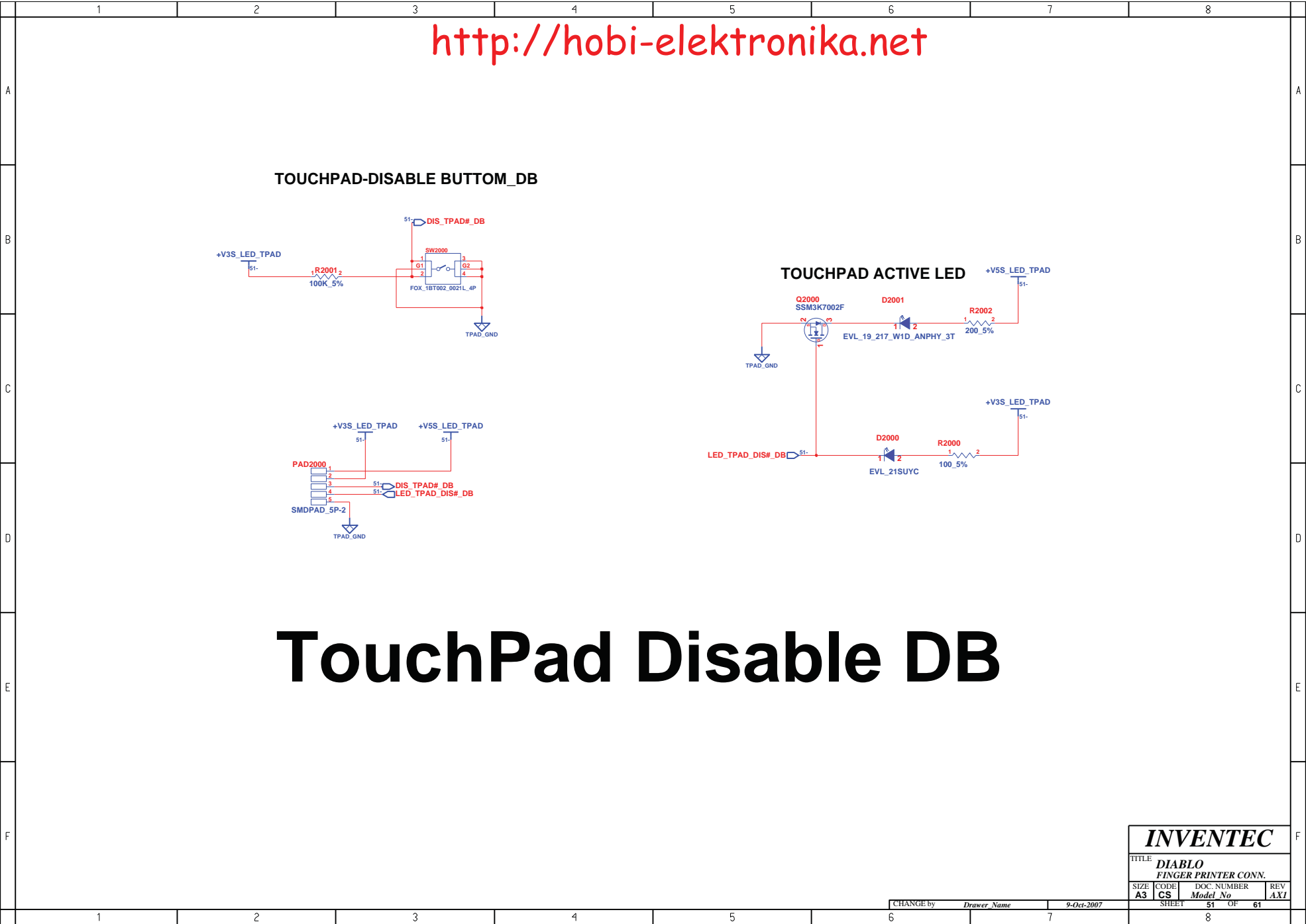
TouchPad Disable DB

The diagram shows three circuit configurations for disabling the touchpad:

- Top Left Circuit:** A switch SW2000 is controlled by the DIS_TPAD#_DB signal. One terminal of the switch connects to +V3S_LED_TPAD through resistor R2001 (100K 5%). The other terminal connects to TPAD_GND.
- Bottom Left Circuit:** Component PAD2000 is connected between two +V3S_LED_TPAD signals and the SMDPAD_5P-2 connector. It is also controlled by DIS_TPAD#_DB and LED_TPAD_DIS#_DB signals.
- Right Circuit (TOUCHPAD ACTIVE LED):** This circuit uses a MOSFET Q2000 (SSM3K7002F) driven by EVL_19_217_W1D_ANPHY_3T. Diode D2001 (EVL_19_217_W1D_ANPHY_3T) is in series with the gate. Resistor R2002 (200 5%) is at the drain. The source is connected to EVL_21SUVC through diode D2000. The drain is connected to +V5S_LED_TPAD through resistor R2000 (100 5%).

TouchPad Disable DB

INVENTEC			
<small>TITLE</small> DIABLO FINGER PRINTER CONN.			
<small>SIZE</small> A3	<small>CODE</small> CS	<small>DOC. NUMBER</small> <i>Model No</i>	<small>REV</small> AXI
<small>CHANGE by</small> _____ <small>Drawer Name</small>		<small>9-Oct-2007</small>	
<small>SHEET</small> 51		<small>OF</small> 61	

[illegible][illegible][illegible]

http://hobi-elektronika.net

TOUCHPAD-DISABLE BOTTOM_DB

TOUCHPAD ACTIVE LED

TouchPad Disable DB

INVENTEC

TITLE **DIABLO
FINGER PRINTER CONN.**

SIZE A3	CODE CS	DOC. NUMBER <i>Model No</i>	REV AXI
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CHANGE by *Drawer Name* 9-Oct-2007 SHEET **51** OF **61**

[illegible]

http://hobi-elektronika.net

TOUCHPAD-DISABLE BOTTOM_DB

TOUCHPAD ACTIVE LED

TouchPad Disable DB

INVENTEC

TITLE **DIABLO FINGER PRINTER CONN.**

SIZE A3	CODE CS	DOC. NUMBER Model No	REV AXI
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CHANGE by _____ Drawer Name _____ 9-Oct-2007 SHEET 51 OF 61

[illegible]

[illegible]

http://hobi-elektronika.net

To Finger Print Reader Board

Webcam CONN & DIGITAL MIC

INVENTEC

TITLE DIABLO

SIZE A3	CODE CS	DOC. NUMBER Model No	REV AXI
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CHANGE by	Drawer Name	9-Oct-2007	SHEET 52 OF 61
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<http://hobi-elektronika.net>

To Finger Print Reader Board

Webcam CONN & DIGITAL MIC

INVENTEC			
TITLE DIABLO			
SIZE A3	CODE CS	DOC NUMBER Model No	REV AXI
CHANGE by Drawer Name		9-Oct-2007	SHEET 52 OF 61

<http://hobi-elektronika.net>

The diagram illustrates two circuit sections:

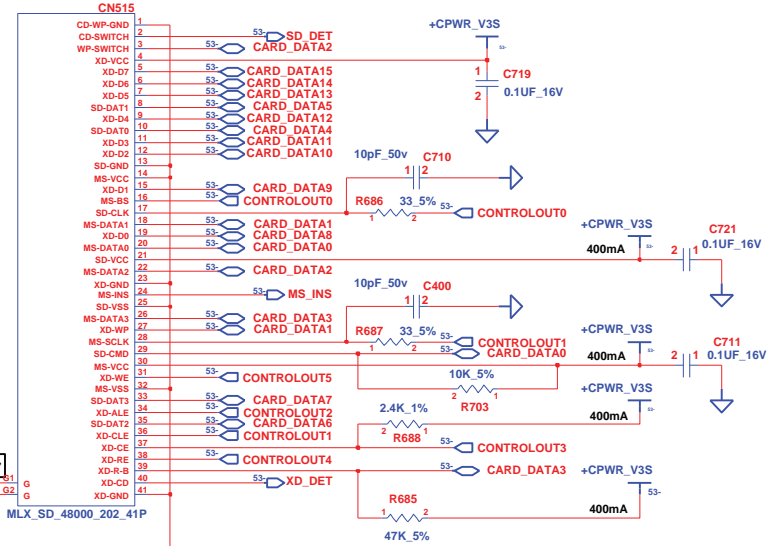
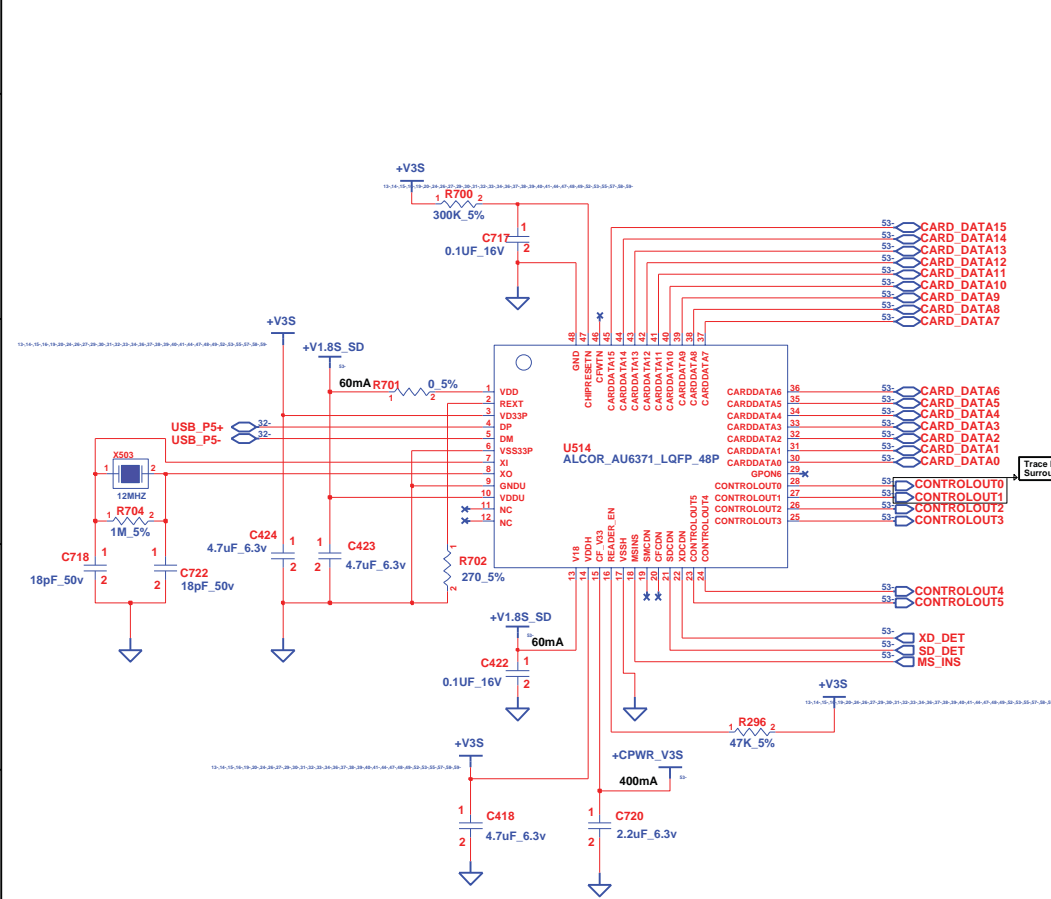
- To Finger Print Reader Board:** A USB connector (CN10) is connected to a board labeled ACES_88746_060N_6P. The USB_P6+ and USB_P6- pins are connected to G2 and G1 respectively.
- Webcam CONN & DIGITAL MIC:** This section includes a power supply (+V3S), a USB connector (CN2), a digital microphone (U5), and various passive components like resistors (R21, R37, R19, R20) and capacitors (C40, C7). It also features a WCM 2012_900T component and a note about EMI SOLUTION Near conn.

Webcam CONN & DIGITAL MIC

INVENTEC			
TITLE DIABLO			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV AXI
CHANGE by Drawer Name		9-Oct-2007	
		SHEET 52 OF 61	

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Cardreader Conn



CONTROL PIN	MS	SD	XD
CONTROL0	V	V	
CONTROL1	V	V	
CONTROL2	V	V	
CONTROL3	V	V	
CONTROL4	V	V	
CONTROL5	V	V	

DATA PIN	MS	SD	XD
CARDDATA0	V	V	
CARDDATA1	V	V	
CARDDATA2	V	V	
CARDDATA3	V	V	
CARDDATA4	V	V	
CARDDATA5	V	V	
CARDDATA6	V	V	
CARDDATA7	V	V	
CARDDATA8	V	V	
CARDDATA9	V	V	
CARDDATA10	V	V	
CARDDATA11	V	V	
CARDDATA12	V	V	
CARDDATA13	V	V	
CARDDATA14	V	V	
CARDDATA15	V	V	

INVENTEC

TITLE
DIABLO
5 IN1/1394 CONN

SIZE A3	CODE CS	DOC. NUMBER Model No	REV AXI
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CHANGE by *Drawer Name* 9-Oct-2007

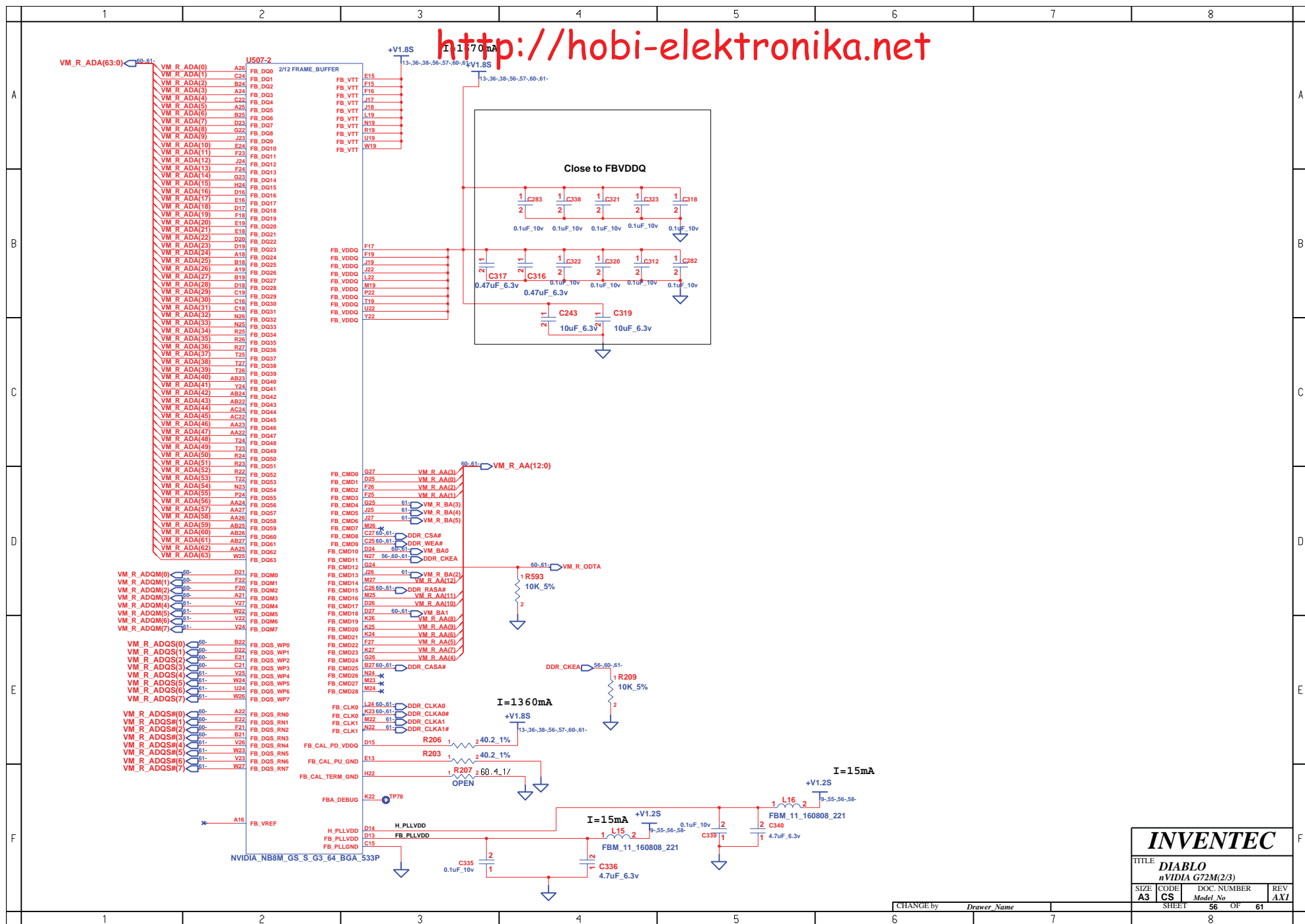
SHEET 53 OF 61

<http://hobi-elektronika.net>

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

INVENTEC			
TITLE DIABLO			
5 IN 1/1394 CONN			
SIZE A3	CODE CS	DOC. NUMBER <i>Model No</i>	REV AXI
SHEET 54		OF 61	

CHANGE by *Drawer Name* 9-Oct-2007



<http://hobi-elektronika.net>

CRT

HDMI

LVDS

S-Video

INVENTEC

TITLE: **DIABLO**
nVIDIA G72M(2/3)

SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	AXI

CHANGE by: *Drawer Name*

SHEET 57 OF 61

<http://hobi-elektronika.net>

The diagram illustrates the PCB layout for the NVIDIA G72M(3/3) board, showing various components and their connections. The layout is organized into several sections, each corresponding to a specific component or function.

Component List and Values:

Component	Value	Quantity
U507-6	6/12 MISC1	1
U507-10	10/12 XTAL_PLL	1
U507-8	8/12 MIO_A	1
U507-9	9/12 MIO_B	1
U509	ADM1032ARMZ_2_MSOP_8P	1
U507-11	11/12 GND	1

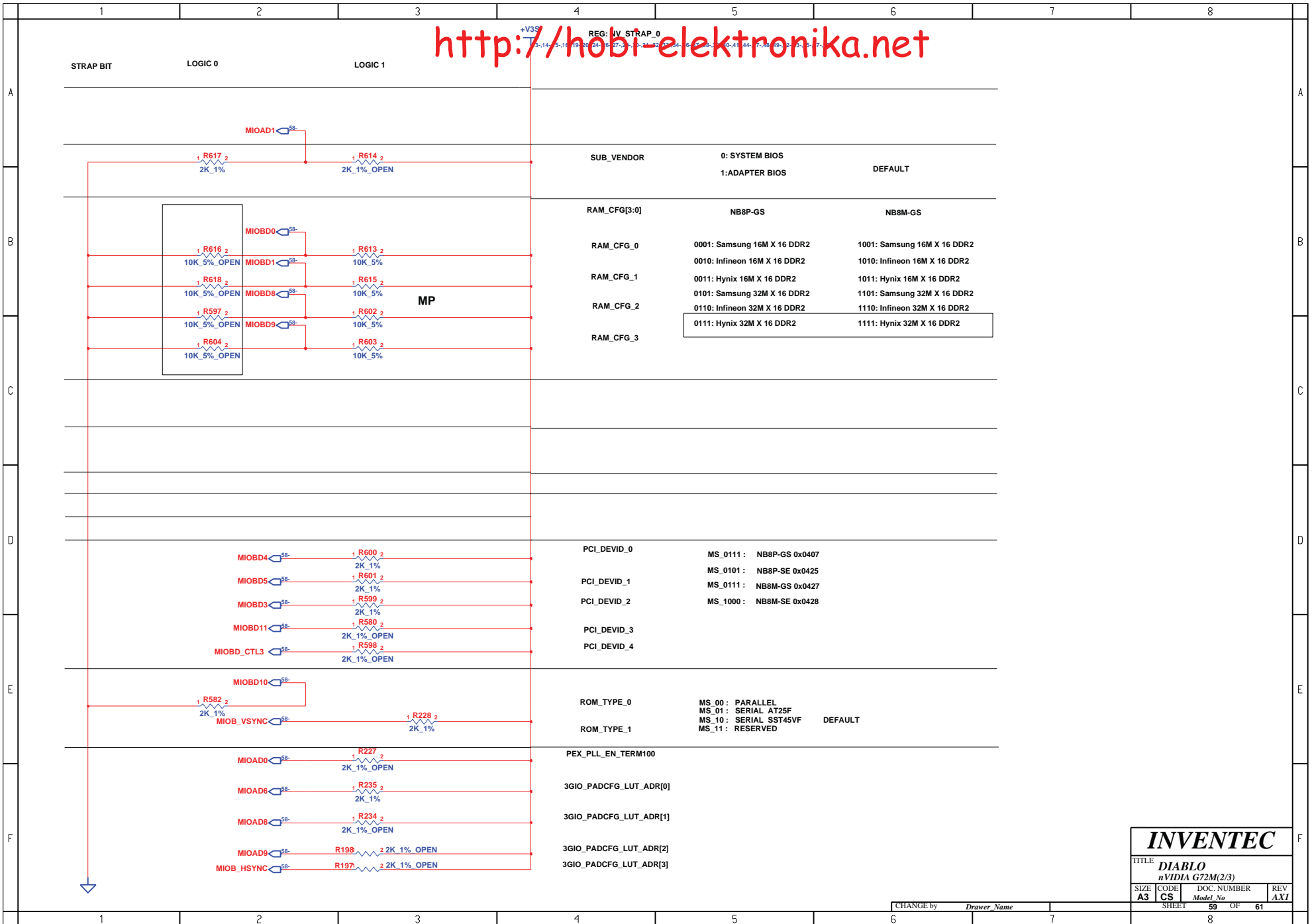
Component Codes and Quantities:

CODE	DOC. NUMBER	REV
A3	CS	AX1

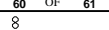
CHANGE by: Drawer Name

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<http://hobi-elektronika.net>



P/N:6019B329301



<http://hobi-elektronika.net>

R208
243_1%

R594
243_1%

Layout Note: Put these resistors close to the V-RAM.

INVENTEC			
TITLE: DIABLO VRAM(2/4)			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	AXI
SHEET		61 OF	61