

Calcutta 10  
CS Build (A01)

2010.04.09

**INVENTEC**

TITLE  
*Calcutta10*

SIZE <b>A3</b>	CODE <b>CS</b>	DOC. NUMBER <i>Model No</i>	REV <i>000</i>
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CHANGE by *Drawer Name* 22-Mar-2010

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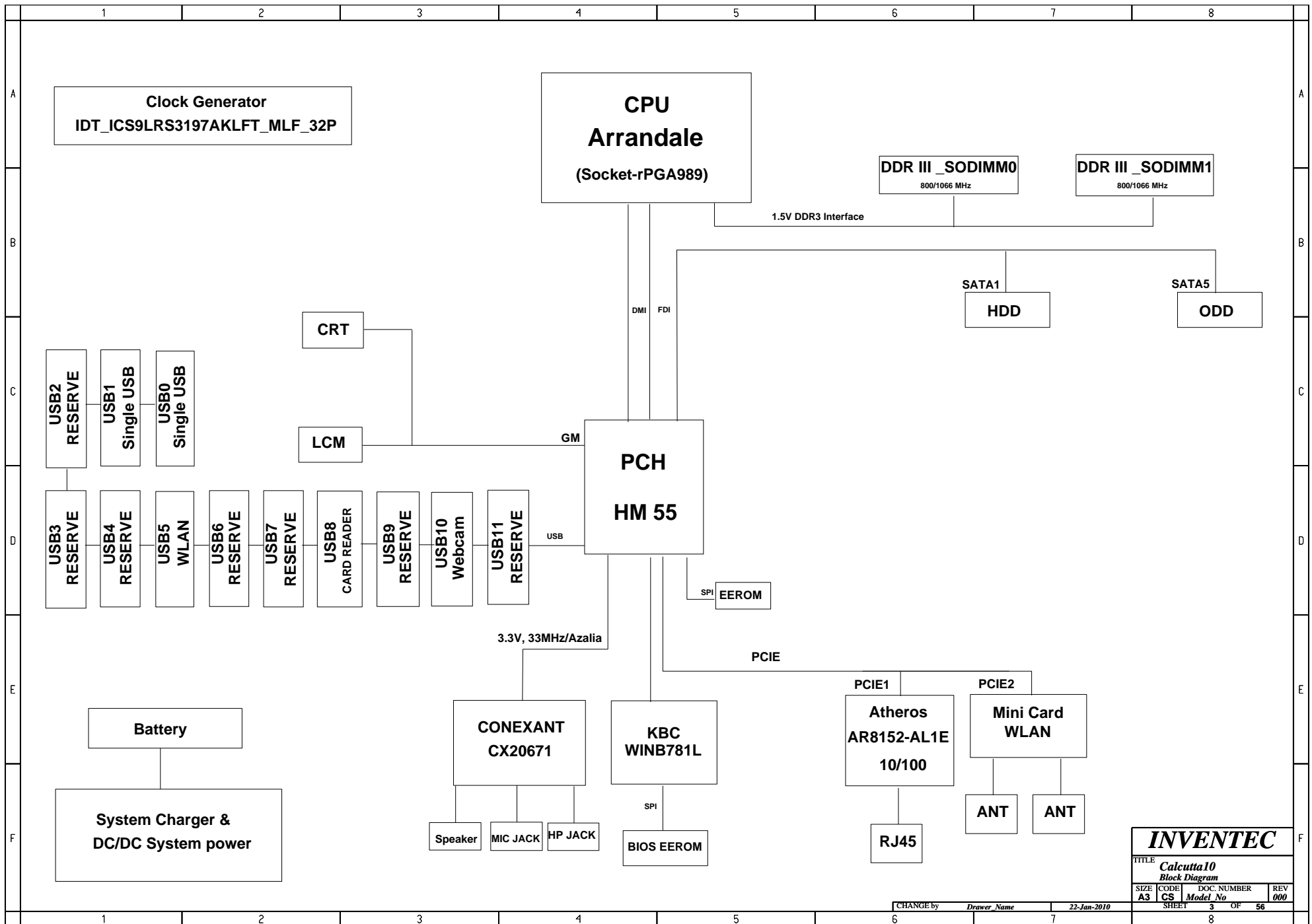
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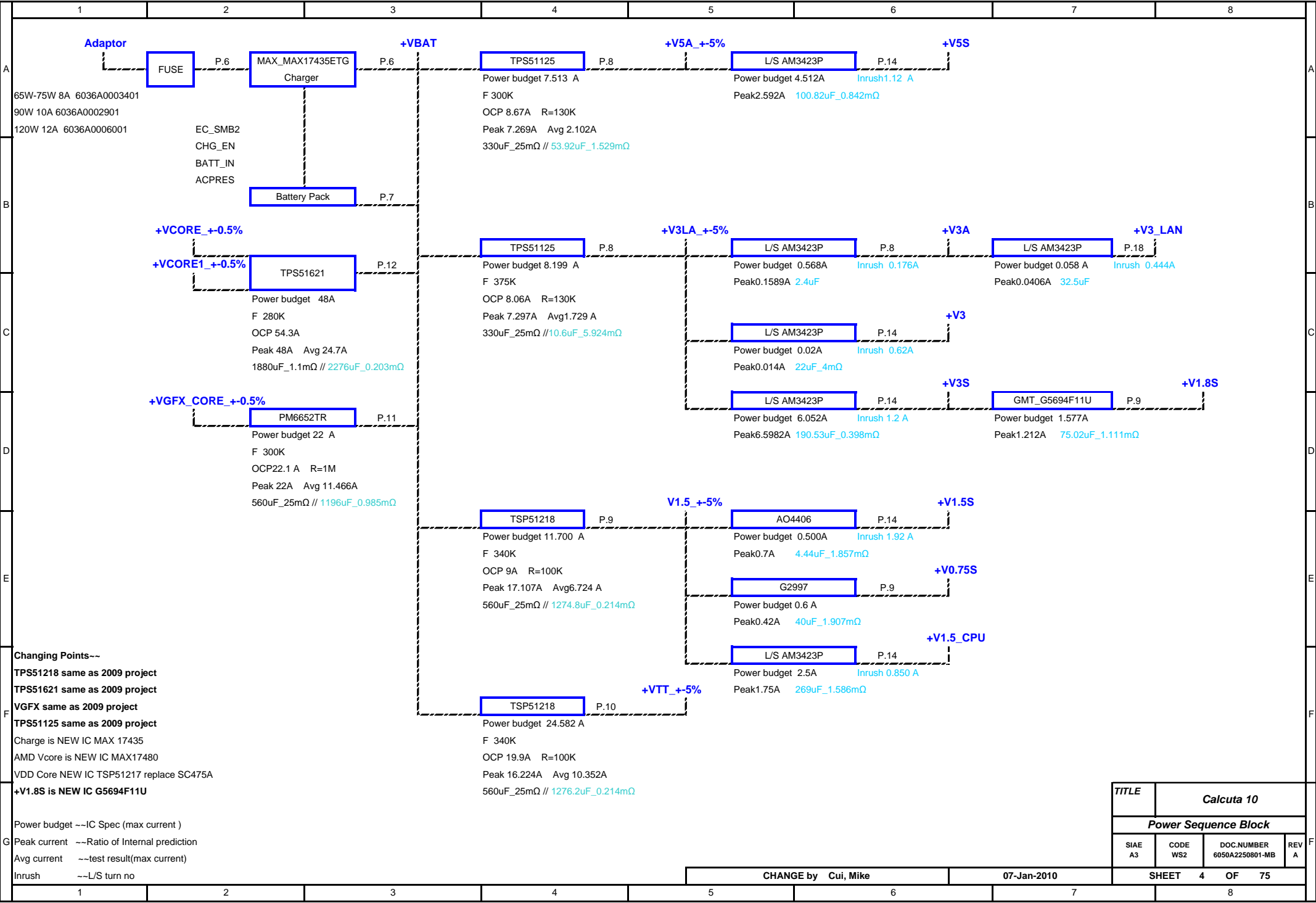
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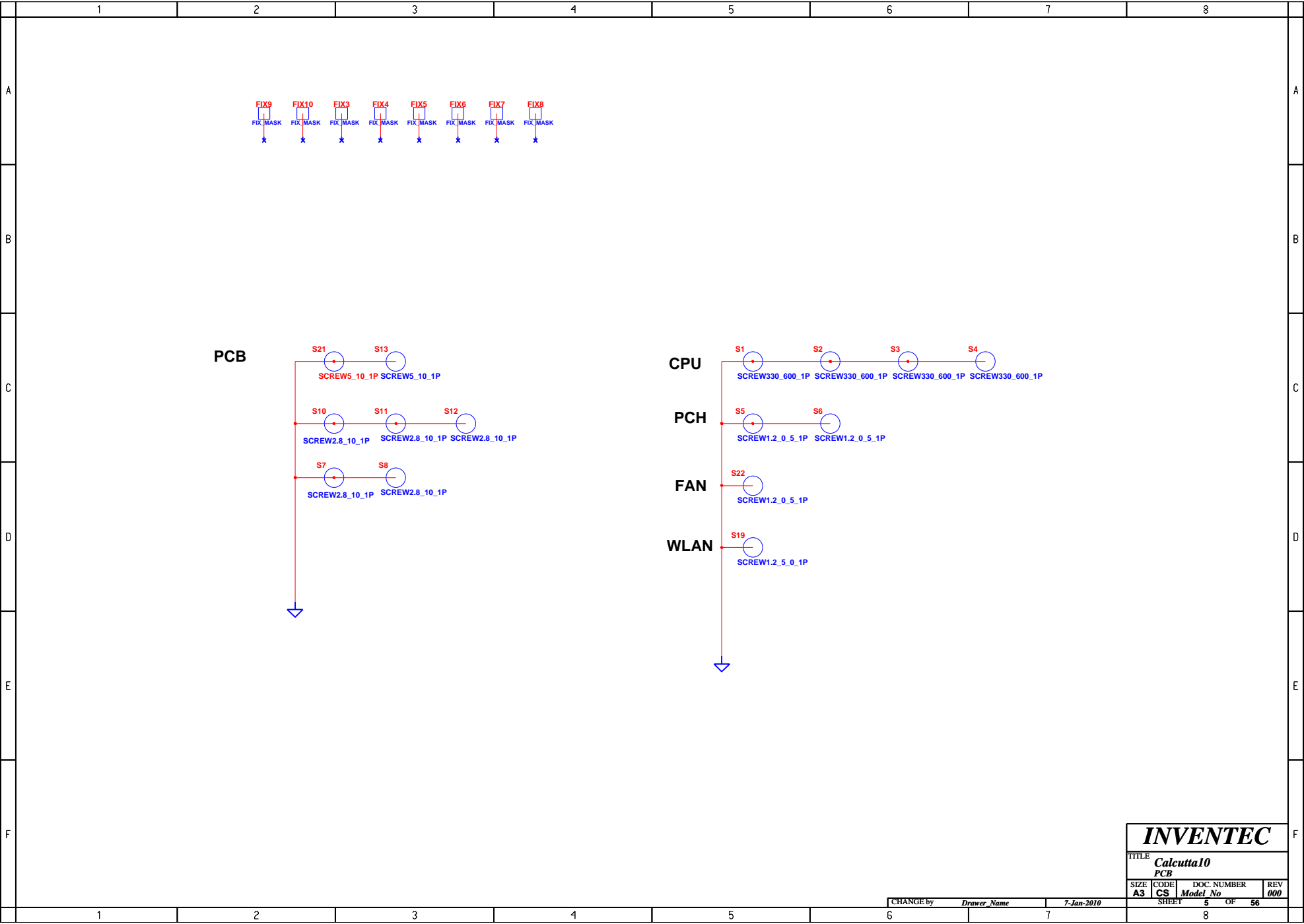
**INVENTEC**

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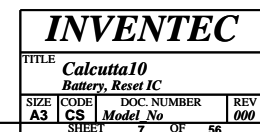
CHANGE by *Drawer Name* 7-Jan-2010

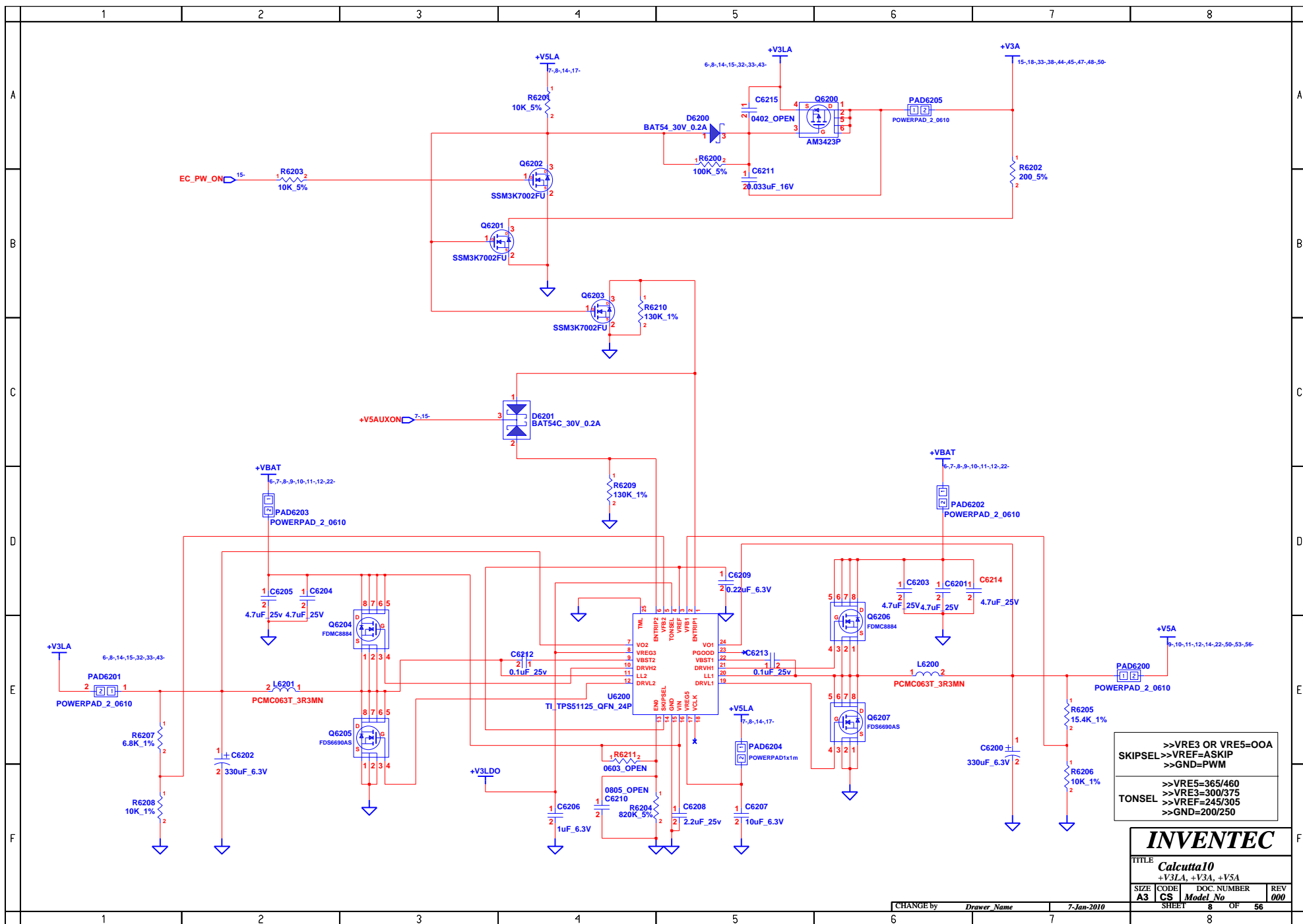






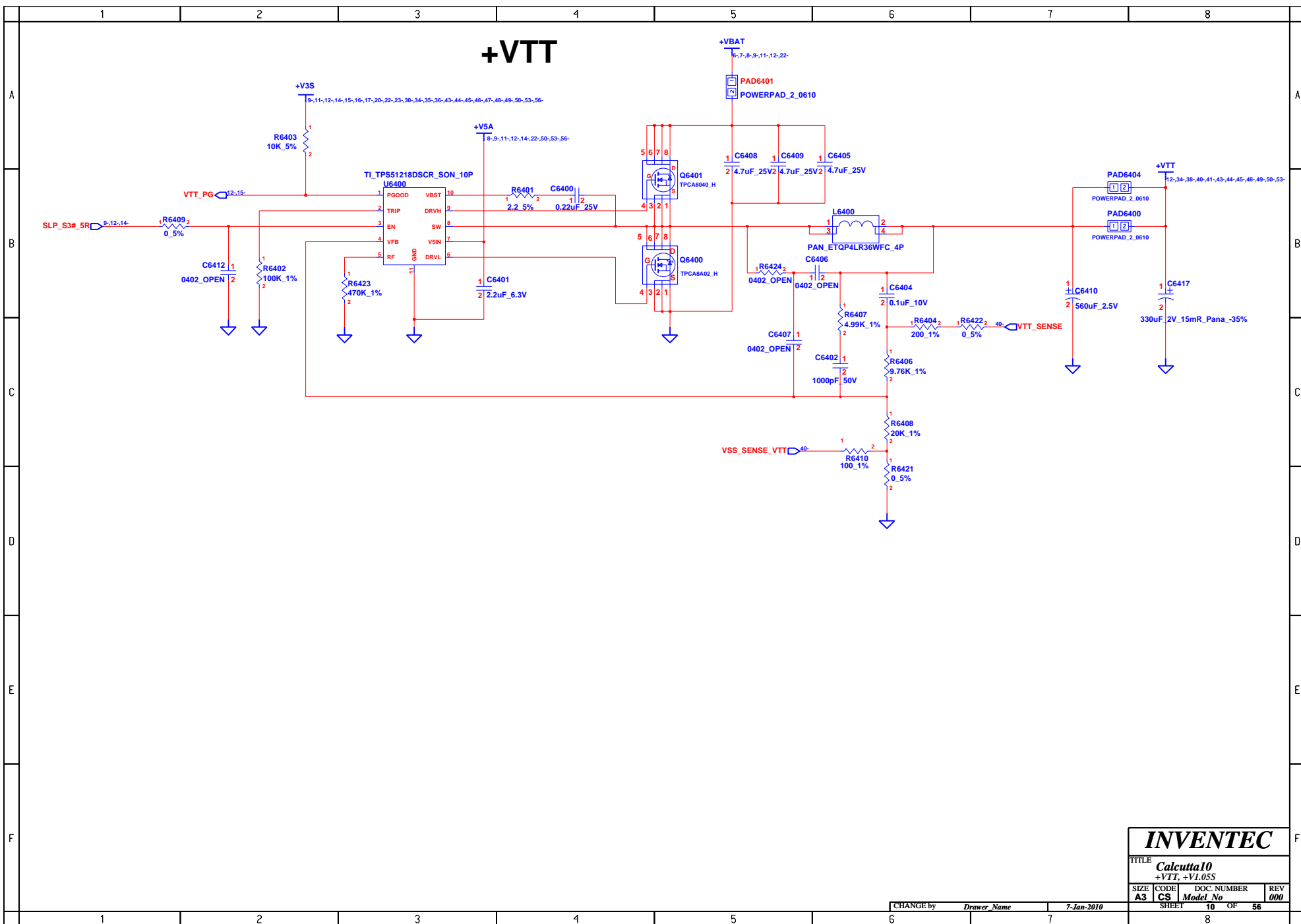


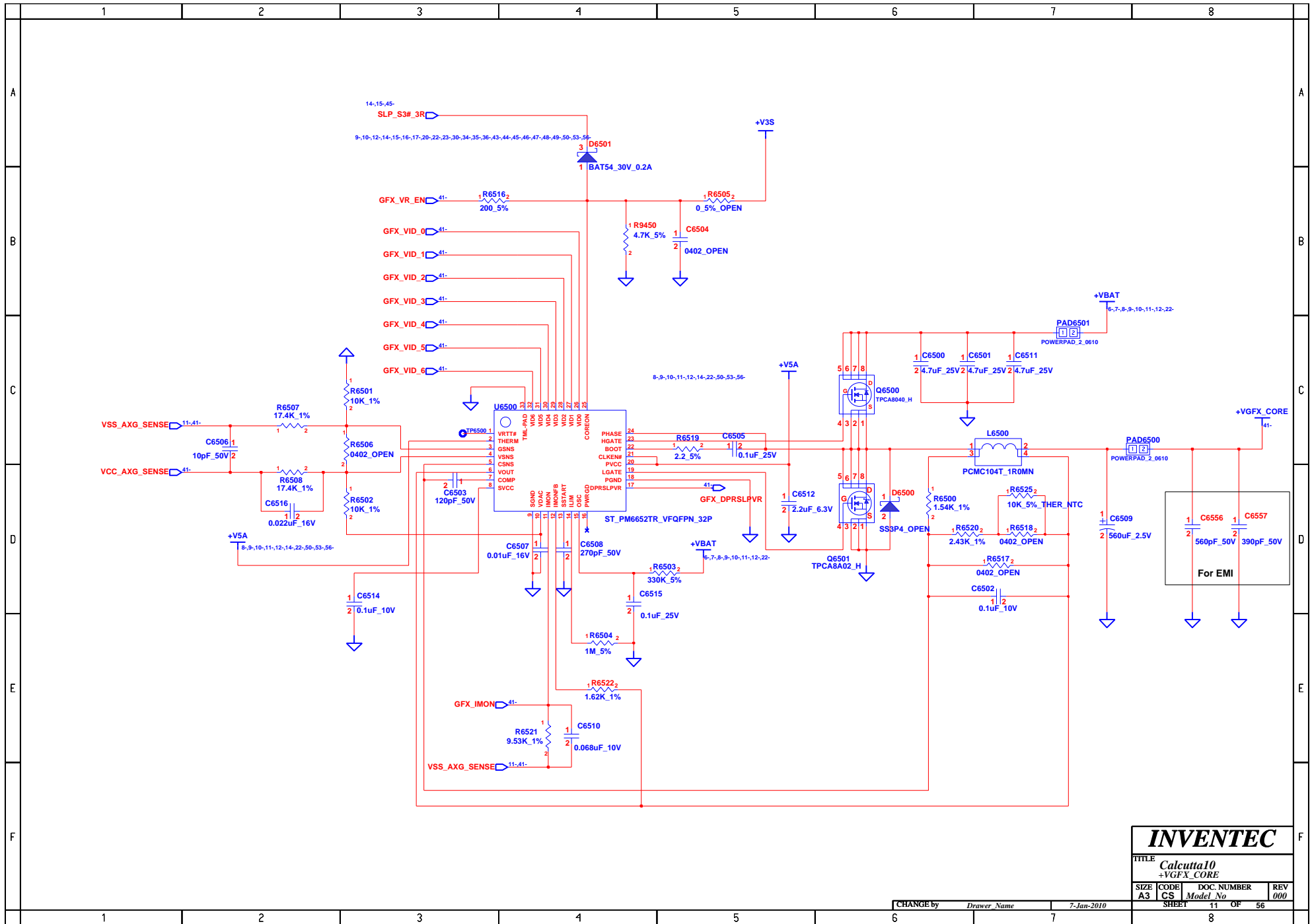


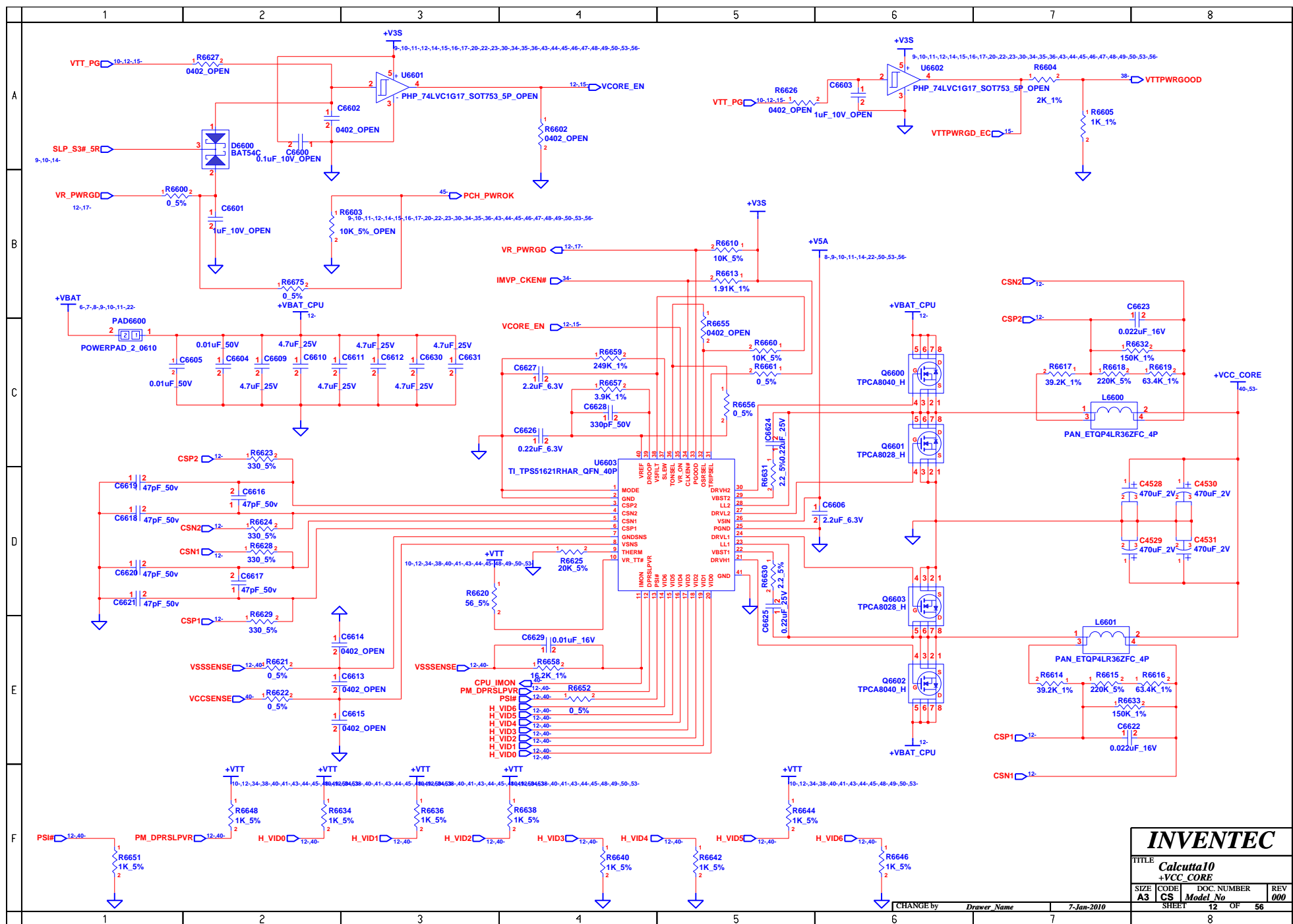












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INVENTEC			
TITLE <i>Calcutta10</i>			
SIZE A3	CODE CS	DOC. NUMBER <i>Model No</i>	REV 000
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**+V5S +V3S +V1.5S +V1.5S\_CPU**

**S3 POWER REDUCTION**

**POWER REDUCTION**

**INVENTEC**

TITLE: **Calcutta10**  
+V5S +V3S +V1.5S

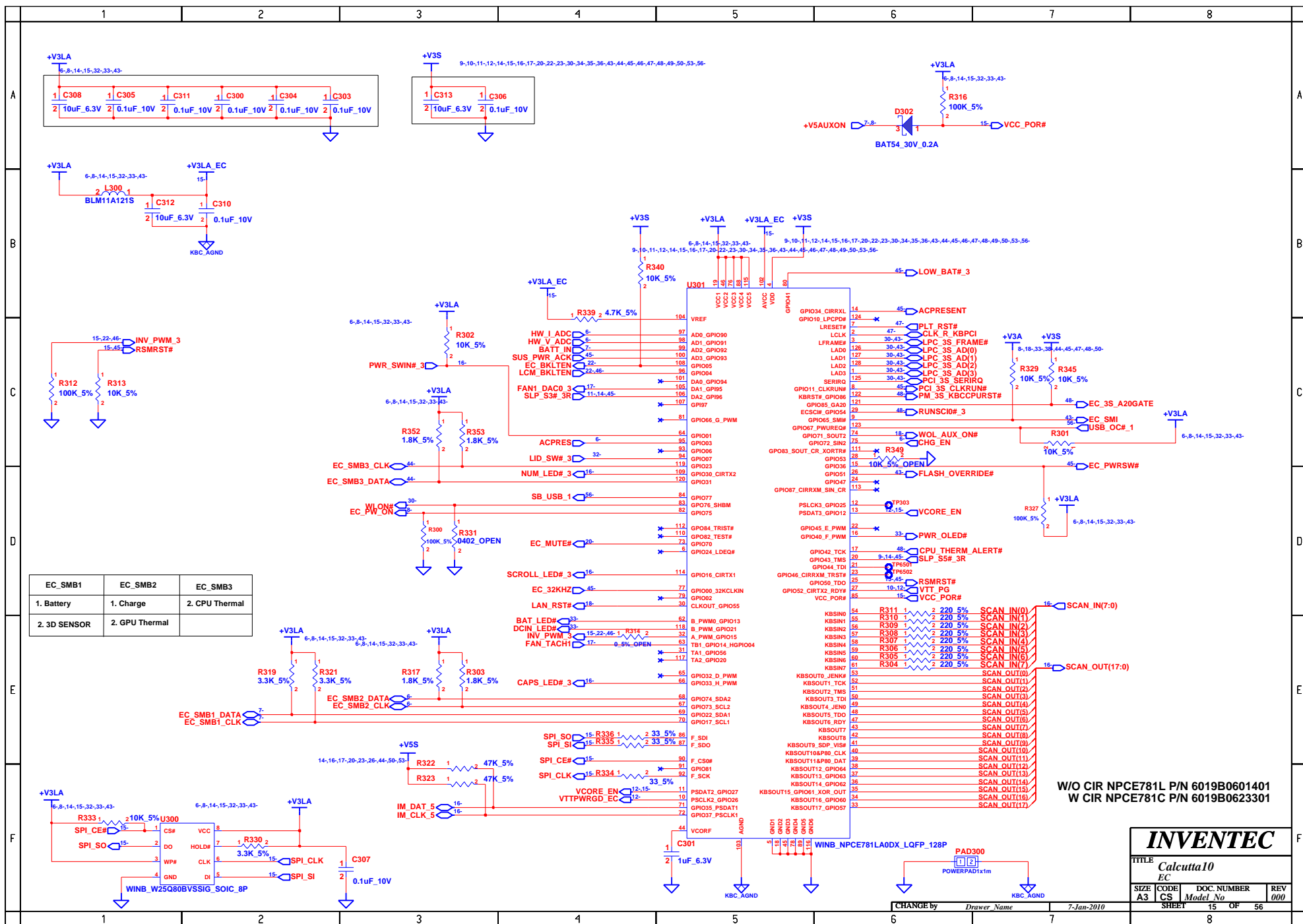
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A3	CS	Model No	000

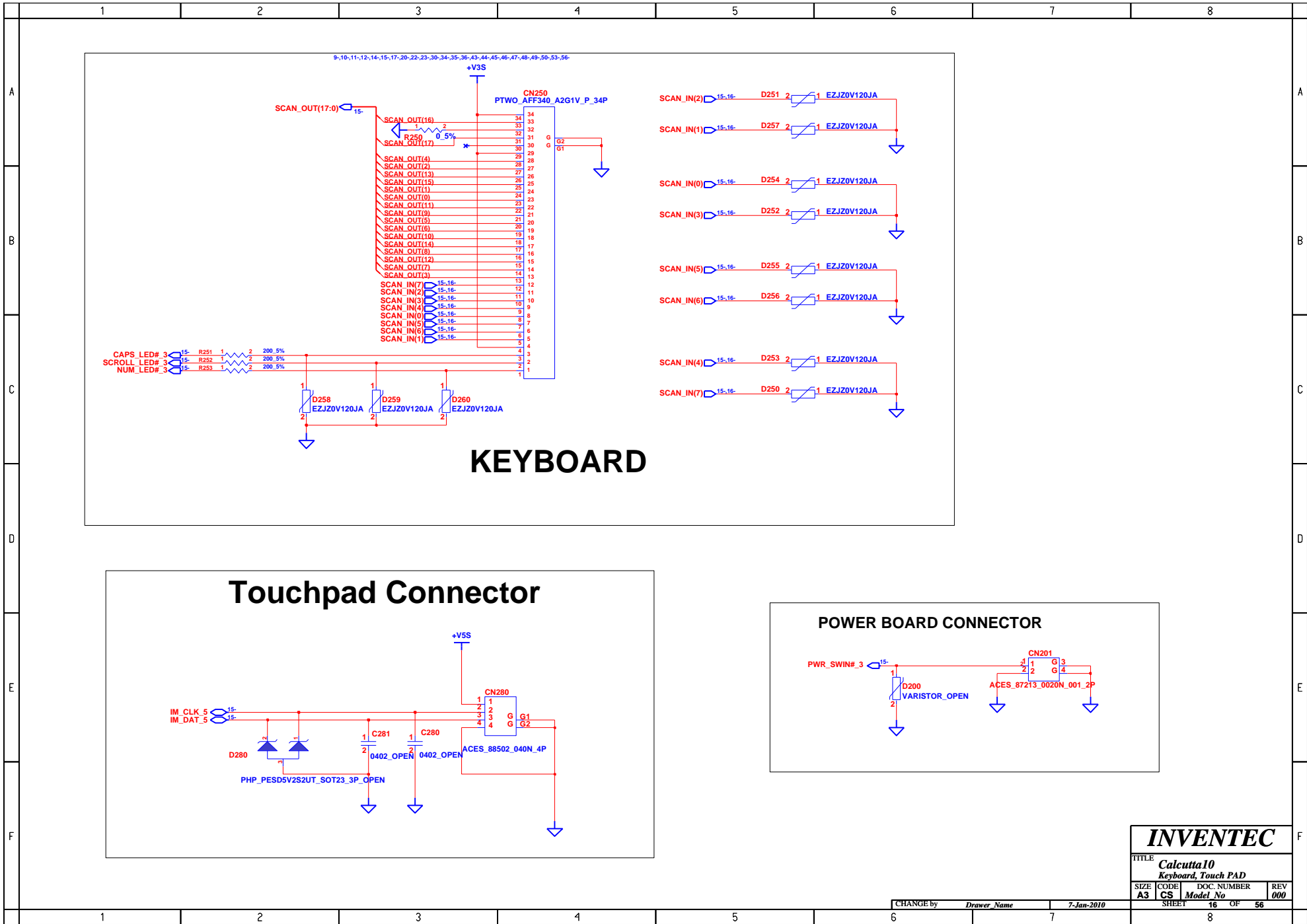
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CHANGE by: **Drawer Name** 7-Jan-2010

TITLE			
<b>Calcutta10</b> +V5S +V3S +V1.5S			
SIZE	CODE	DOC. NUMBER	REV
<b>A3</b>	<b>CS</b>	<b>Model No</b>	<b>000</b>
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CHANGE by	<i>Drawer Name</i>	<i>7-Jan-2010</i>
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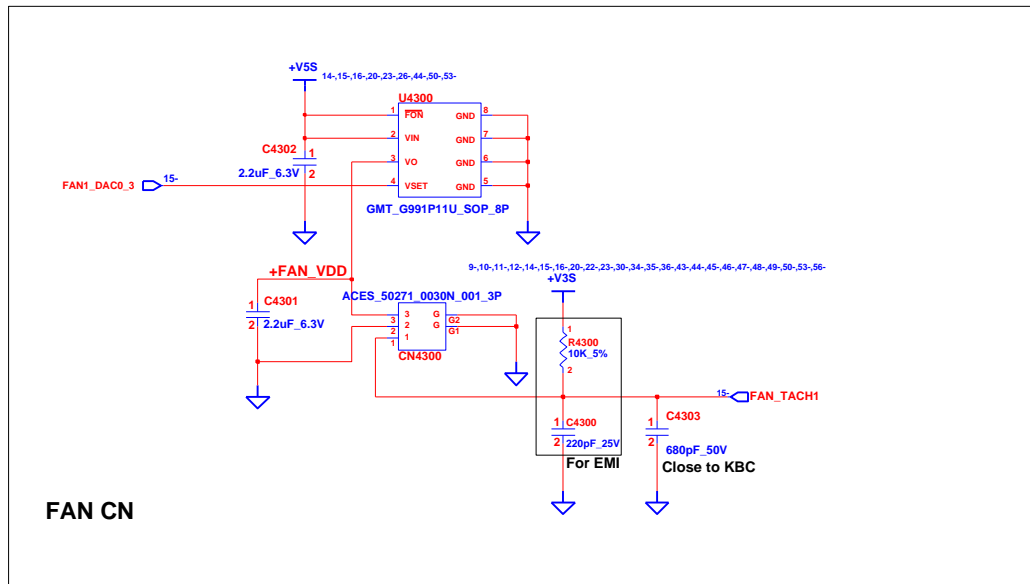




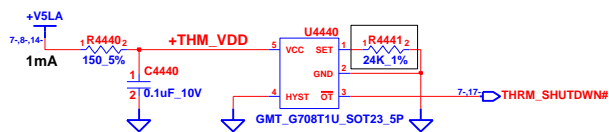
**INVENTEC**

TITLE			
Calcutta10			
Keyboard, Touch PAD			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	000
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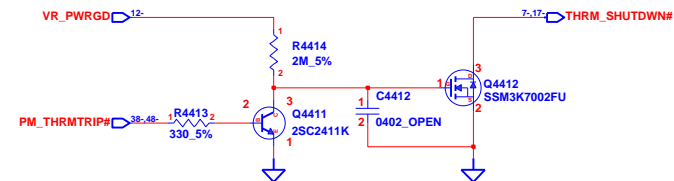
### Board Thermal Sensor



Thermal shutdown at 85 C° +/- 3 C° from 60 C° to 100 C°

$$RSET = 0.0012 * T^2 - 0.9308 * T + 96.147$$

Hysteresis is 30C

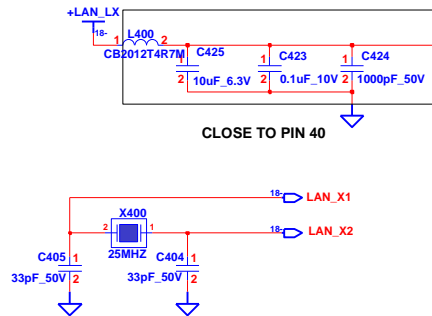
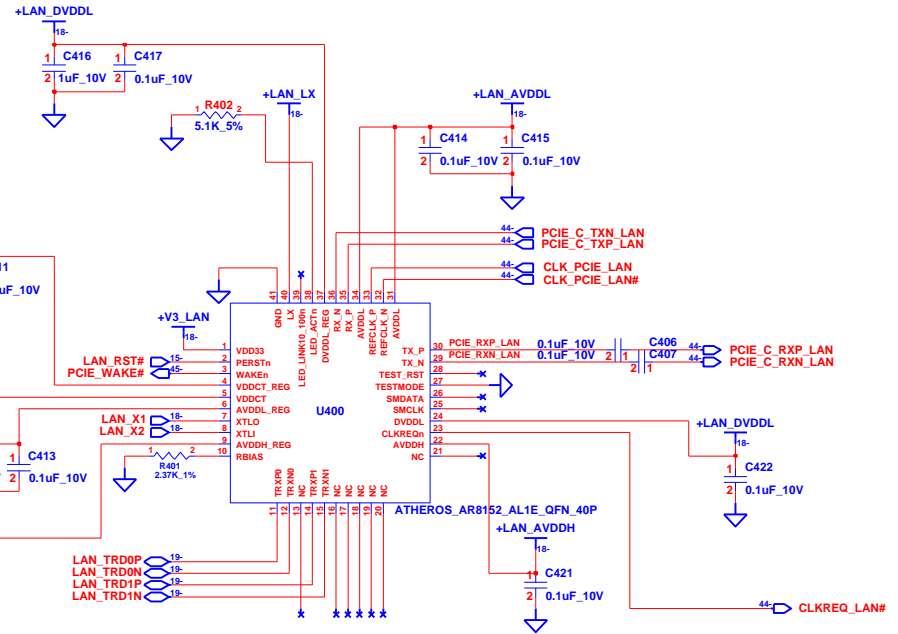
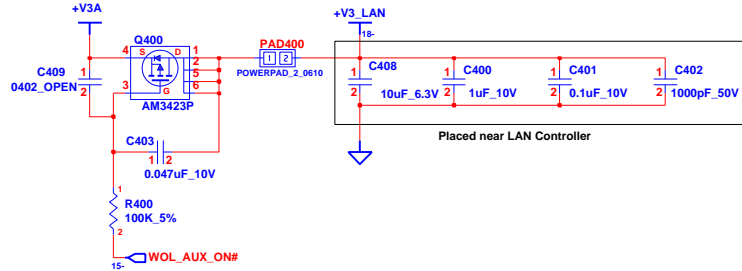


**INVENTEC**

TITLE			
Calcutta10			
FAN, Thermal controller			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	000
SHEET		OF	REV
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8-15-33-38-44-45-47-48-50-

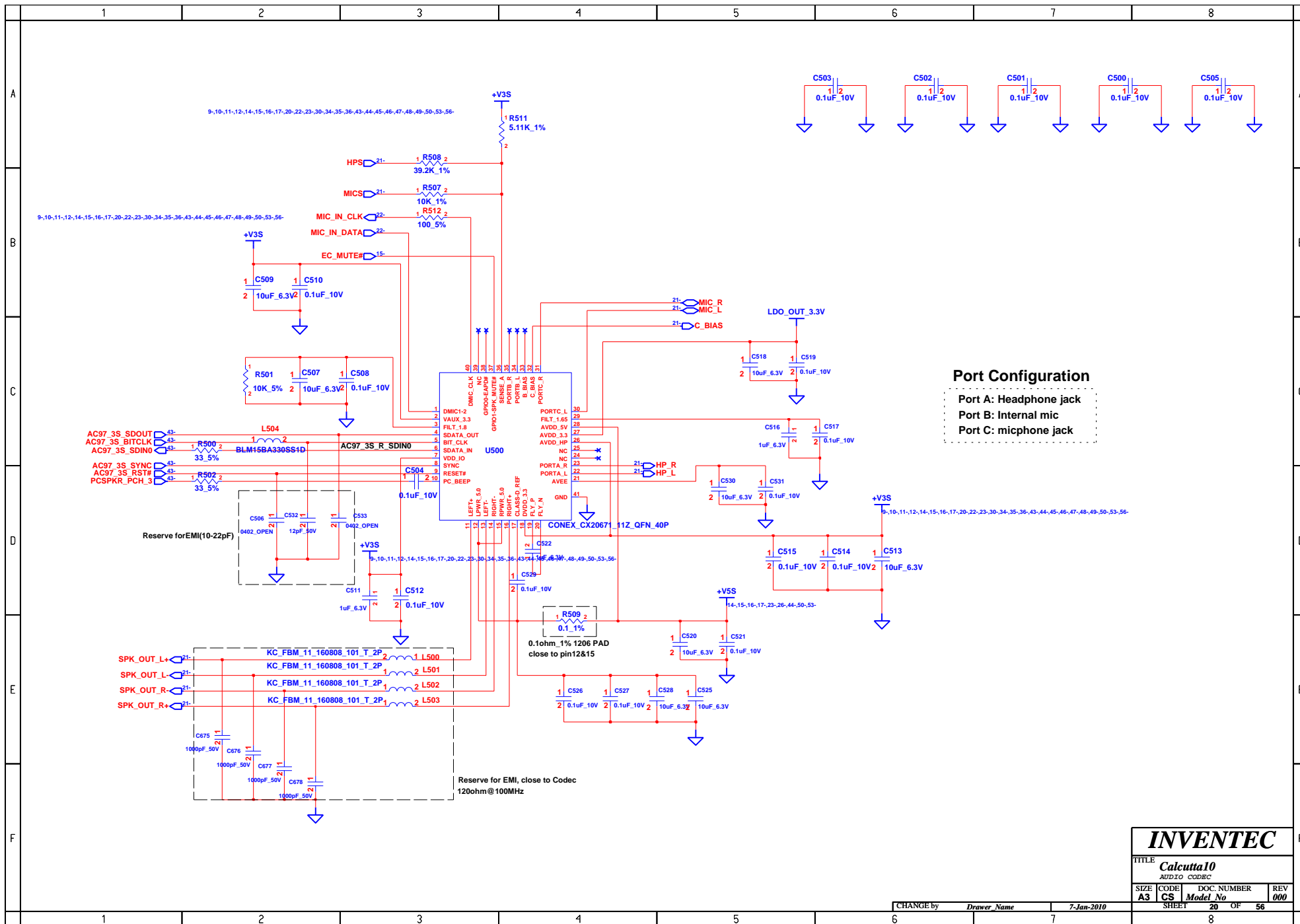


**INVENTEC**

TITLE			
Calcutta10			
LAN			
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A3	CS	Model No	000
SHEET		18	OF 56

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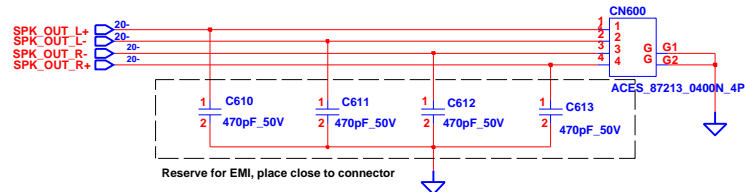




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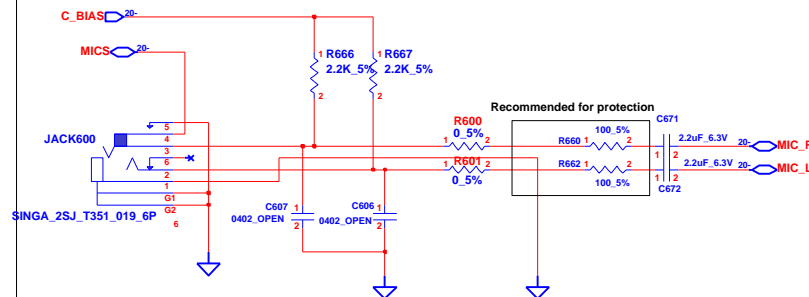
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Calcutta10			
AUDIO CODEC			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	000
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## INTERNAL SPEAKERS

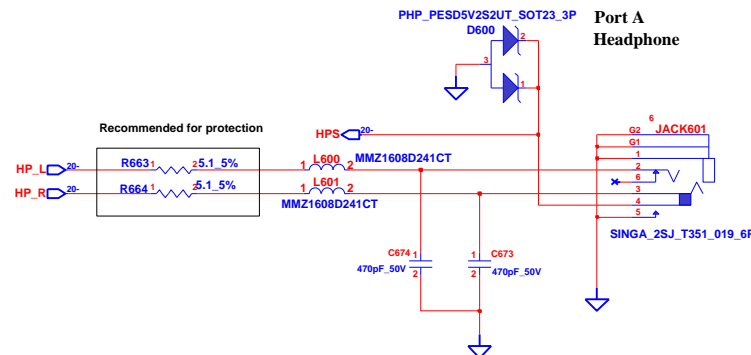


## AUDIO JACKS

Port C  
External microphone



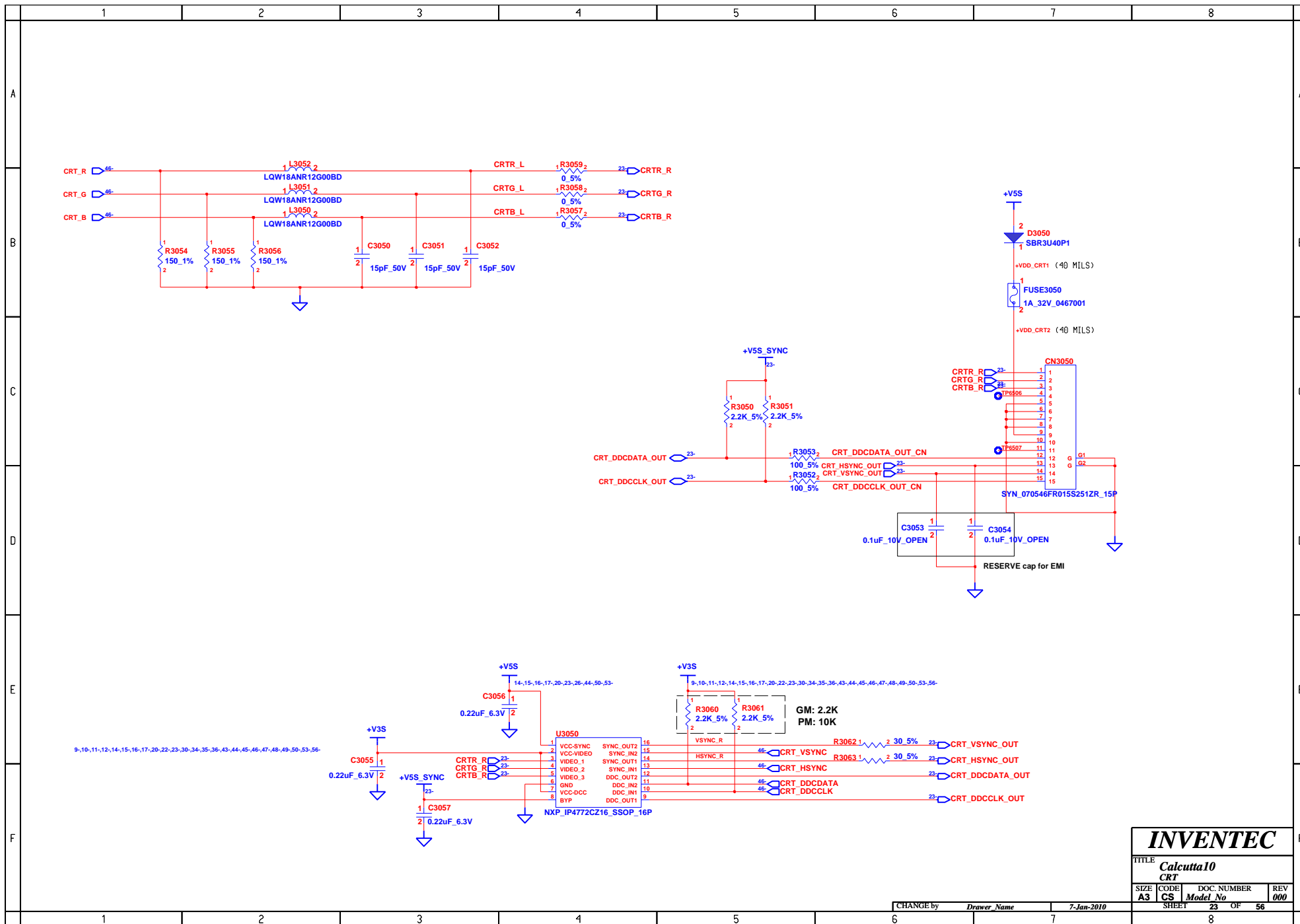
Port A  
Headphone



**INVENTEC**

TITLE			
Calcutta10 AUDIO JACK			
SIZE	CODE	DOC. NUMBER	REV
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DRAWER Name			
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INVENTEC			
TITLE			
Calcutta10			
CRT			
SIZE	CODE	DOC. NUMBER	REV
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**INVENTEC**

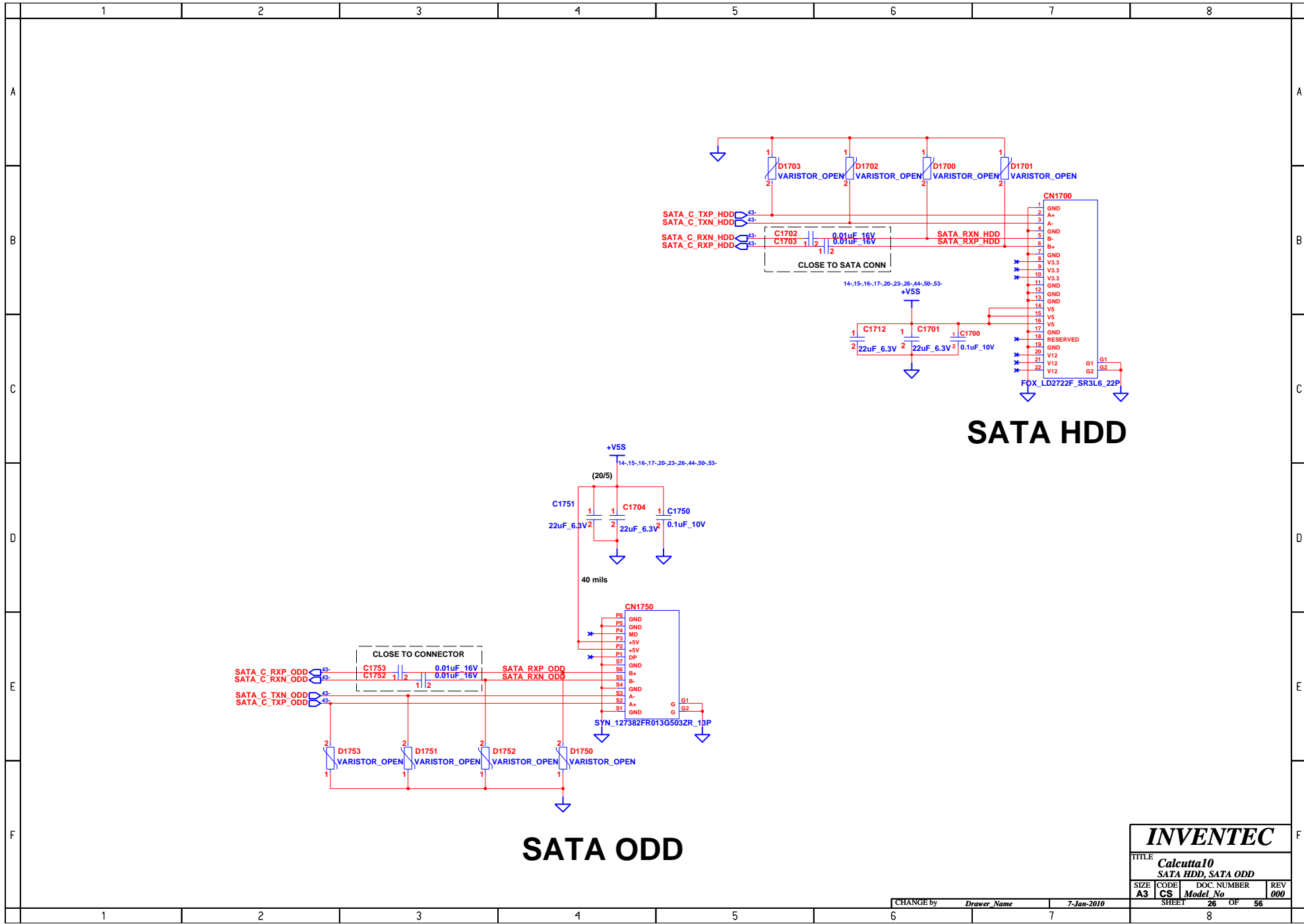
TITLE			
<b>Calcutta10</b>			
HDMI LEVEL SHIFTER			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	000
SHEET		24	OF 56

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INVENTEC			
TITLE <i>Calcutta10 HDMI</i>			
SIZE <b>A3</b>	CODE <b>CS</b>	DOC. NUMBER <i>Model No</i>	REV <i>000</i>
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SATA HDD

SATA ODD

INVENTEC

TITLE			
Calcutta10			
SATA HDD, SATA ODD			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	000

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INVENTEC

TITLE

Calcutta10

CARD READER & USB CNTR

SIZEA3

CODECS

DOC. NUMBERModel No

REV000

CHANGE by

Drawer Name

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56

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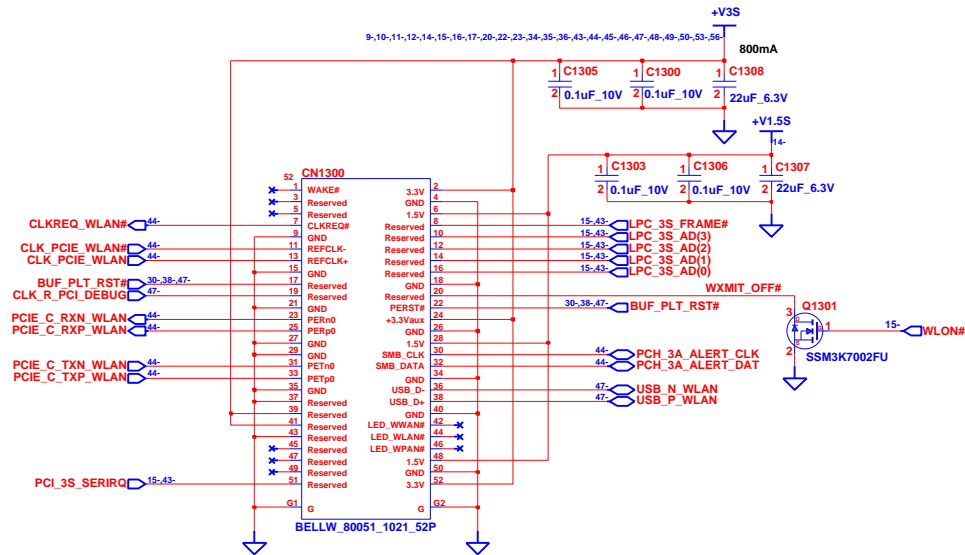
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TITLE <i>Calcutta10</i>			
USB & eSATA COMBO			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	000
SHEET		28	OF 56

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INVENTEC			
TITLE <i>Calcutta10 BlueTooth</i>			
SIZE A3	CODE CS	DOC. NUMBER <i>Model No</i>	REV 000
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# Wireless & Debug card



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TITLE			
Calcutta10			
WLAN			
SIZE	CODE	DOC. NUMBER	REV
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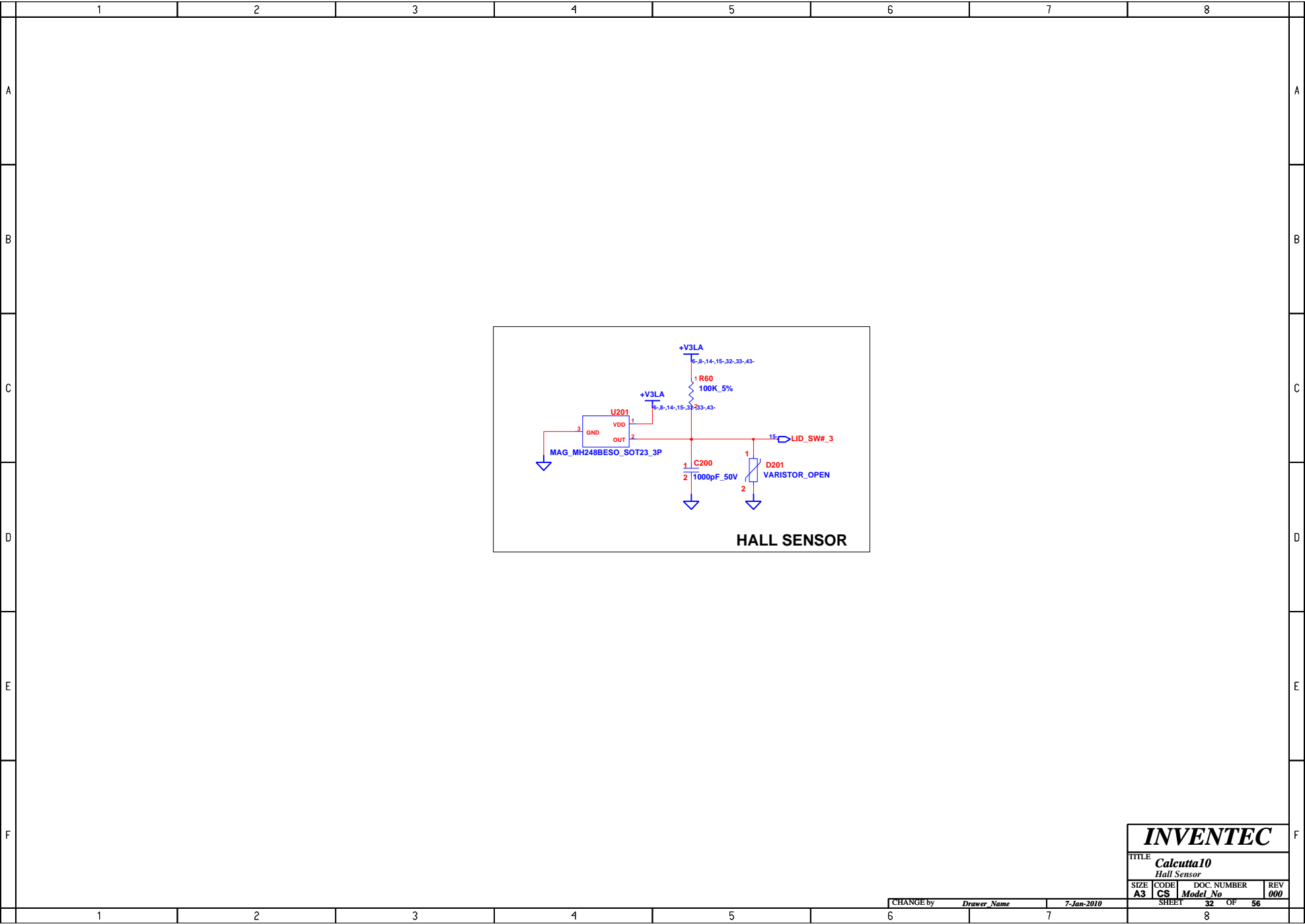
CHANGE by *Drawer Name* 7-Jan-2010

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INVENTEC			
TITLE <i>Calcutta10</i>			
3G			
SIZE A3	CODE CS	DOC. NUMBER <i>Model No</i>	REV 000
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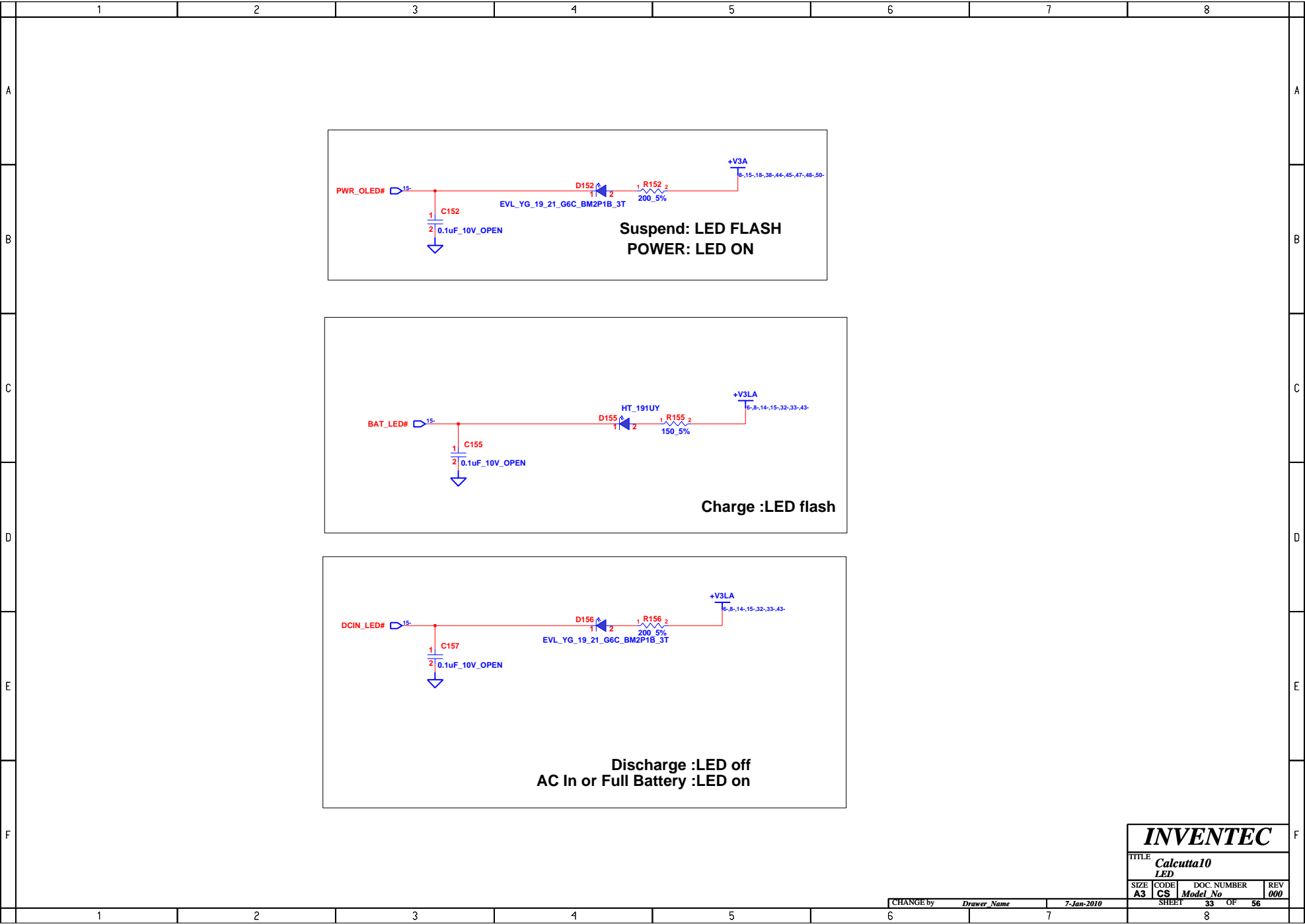


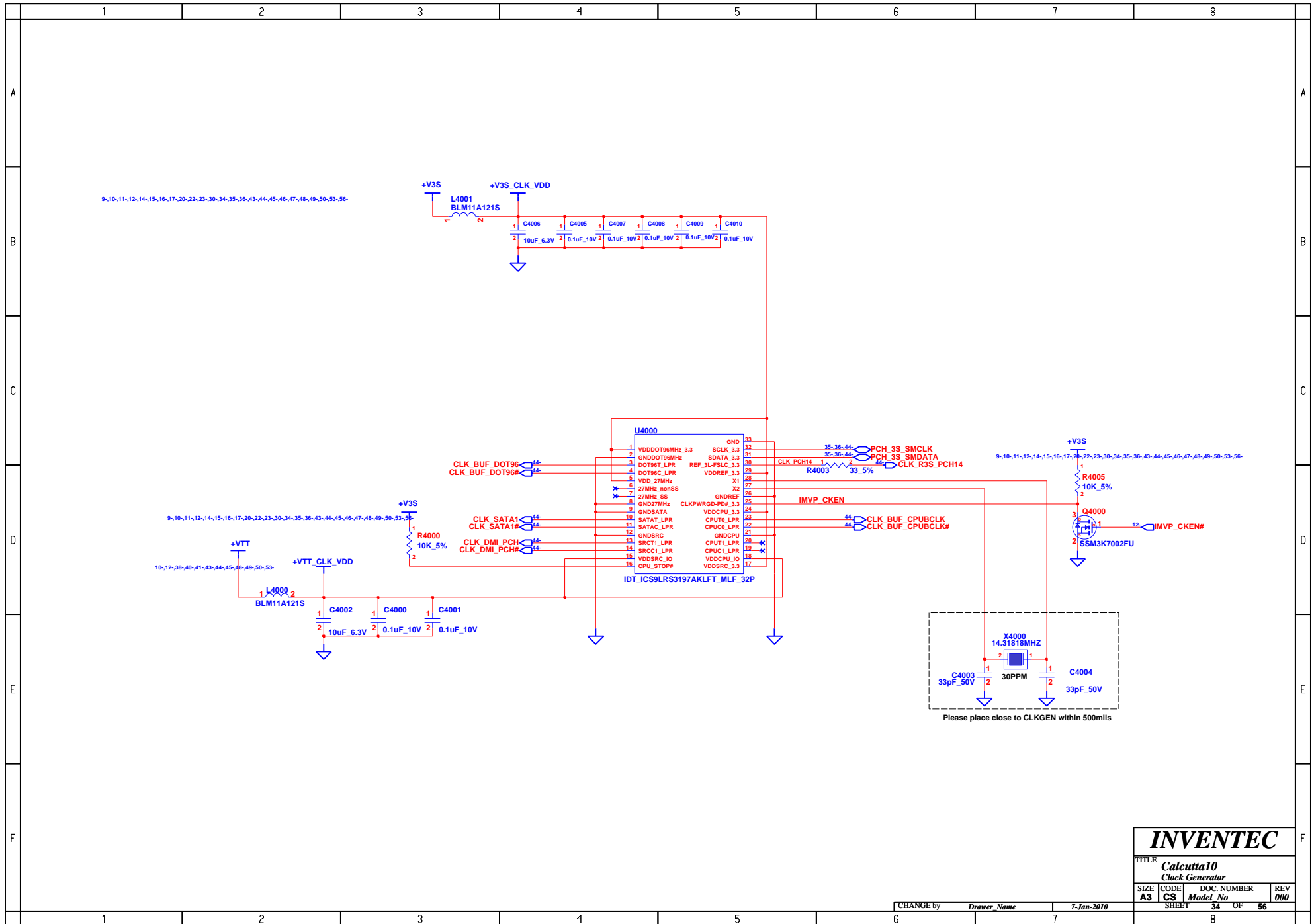
**INVENTEC**

TITLE  
**Calcutta10**  
Hall Sensor

SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	000



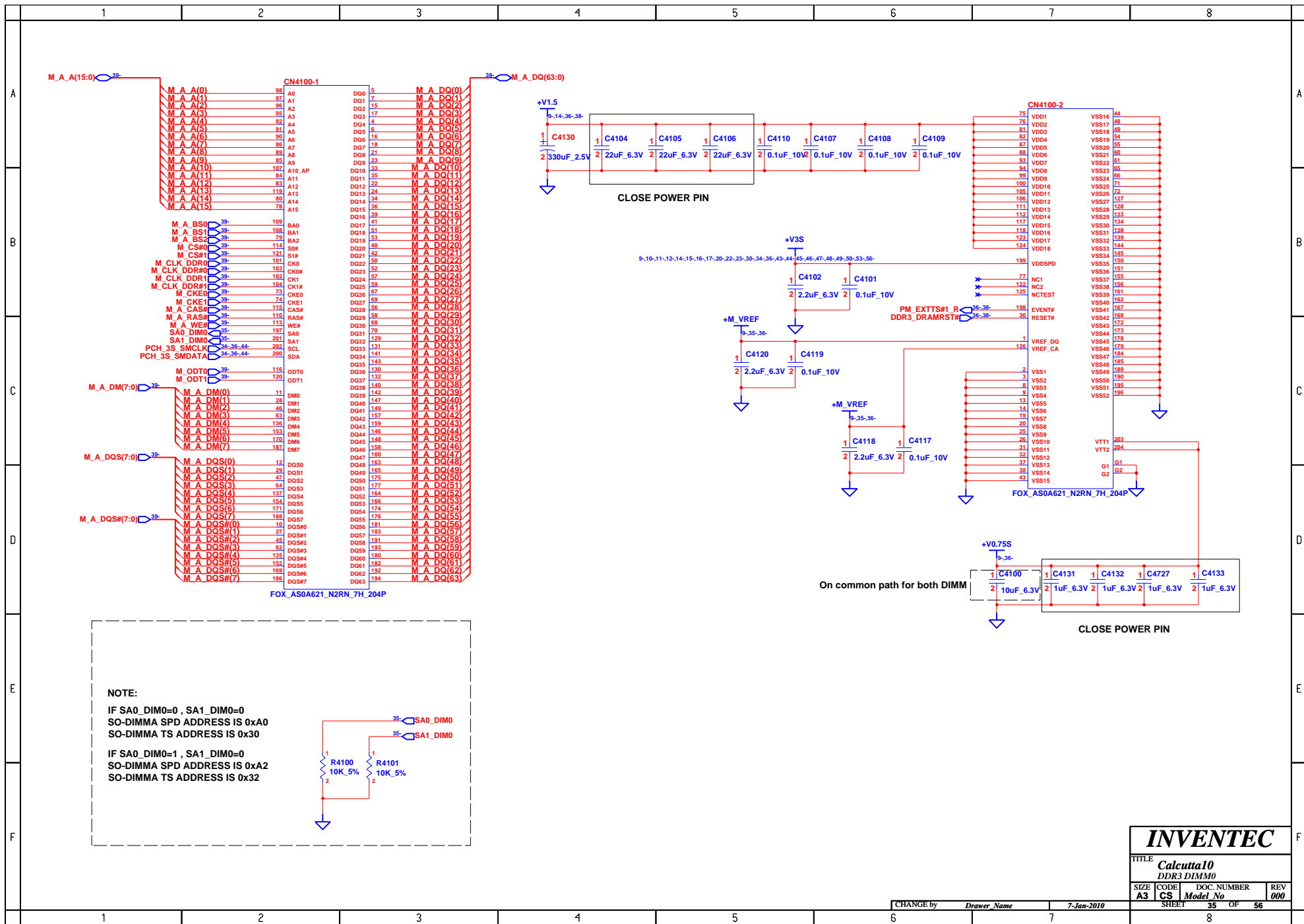


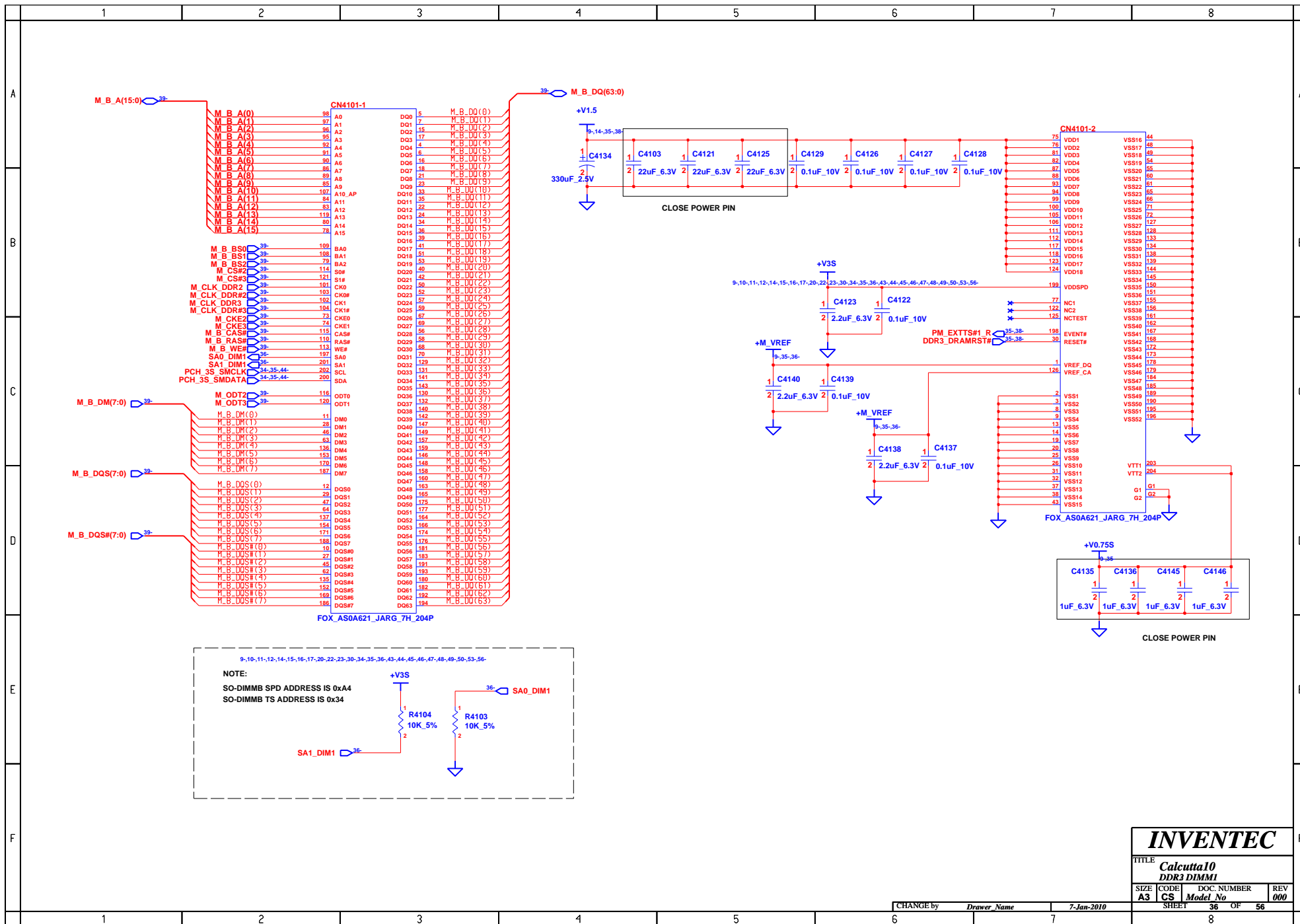


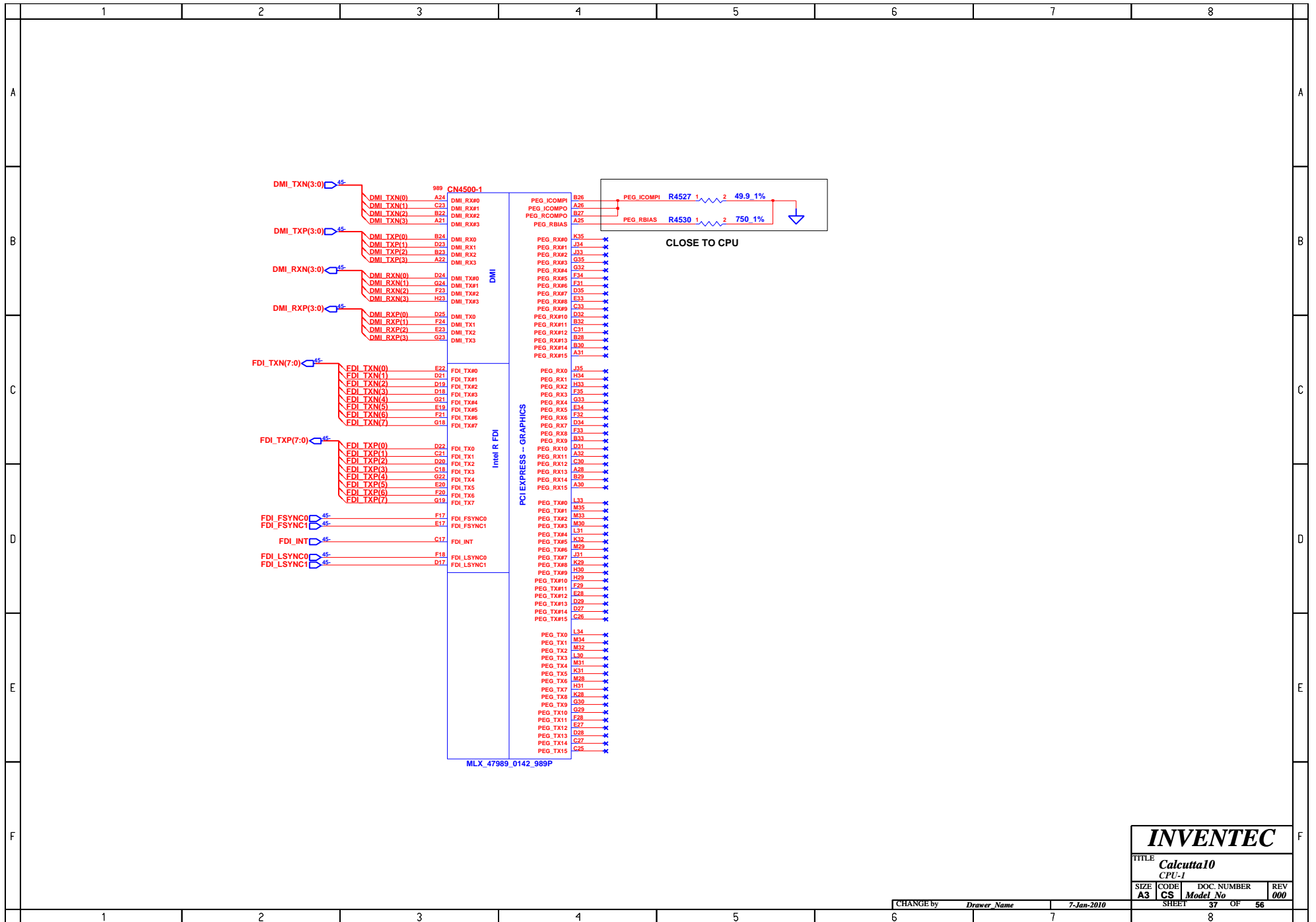
# INVENTEC

TITLE			
Calcutta10			
Clock Generator			
SIZE	CODE	DOC. NUMBER	REV
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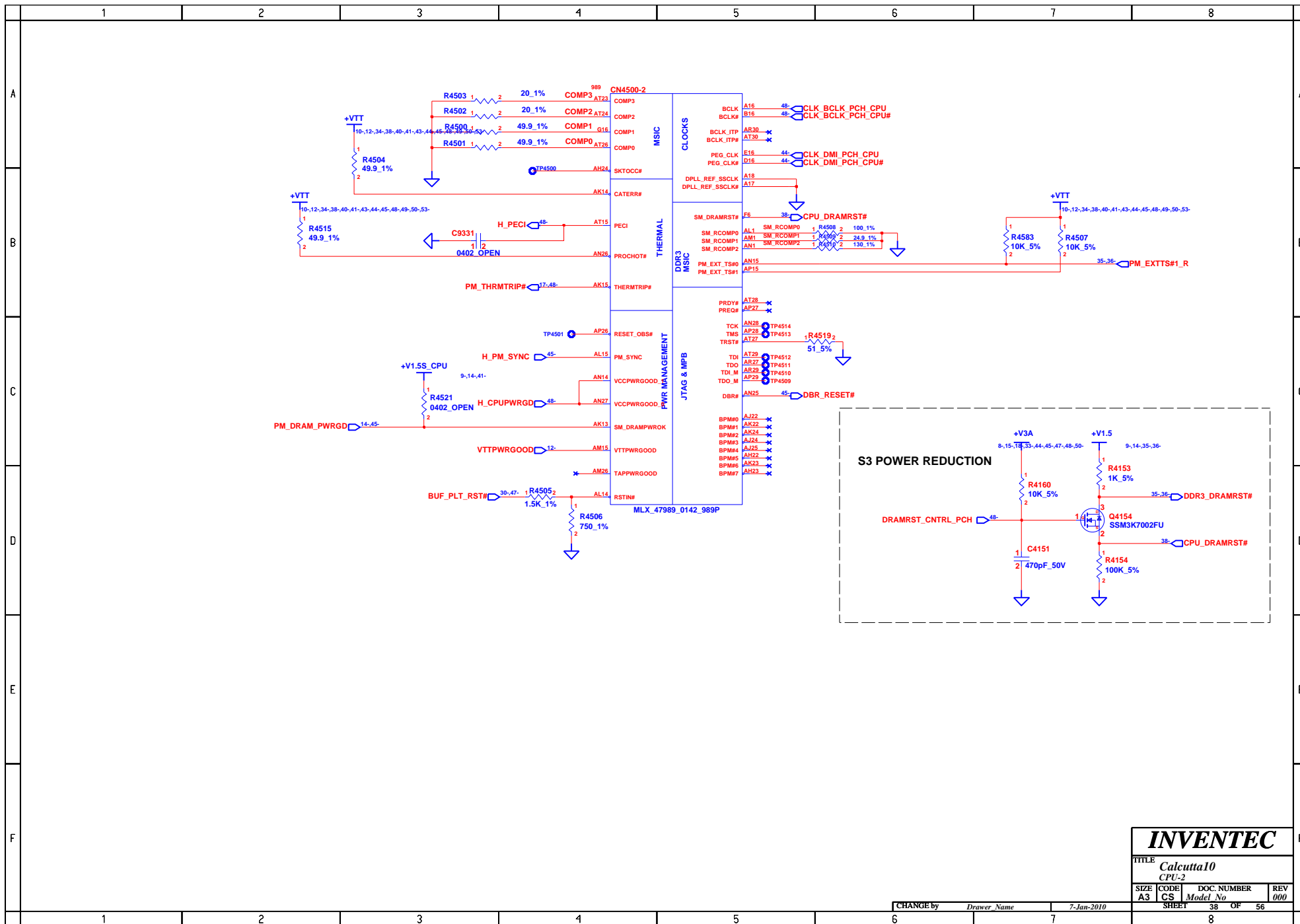


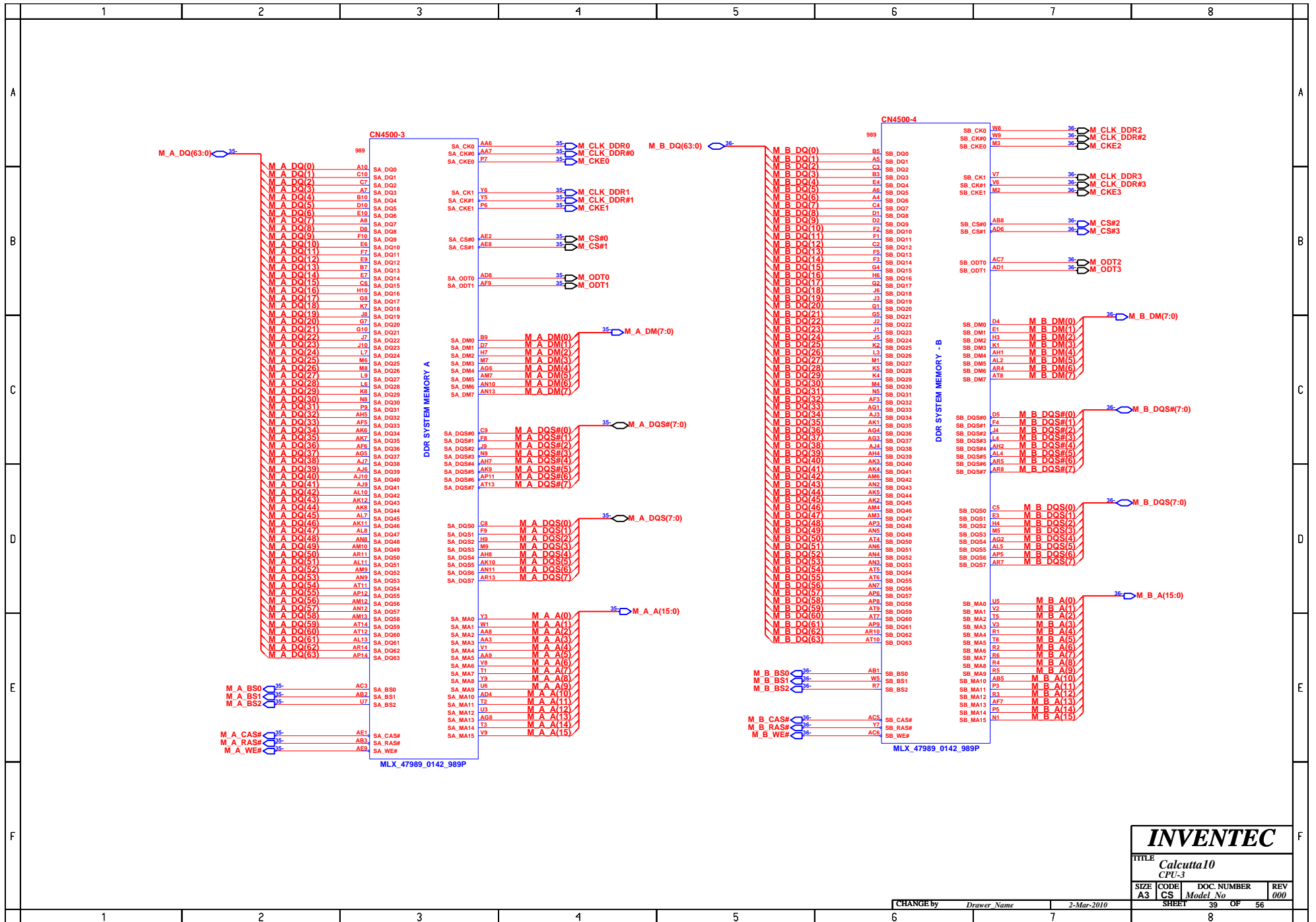


**INVENTEC**

TITLE			
Calcutta10			
CPU-1			
SIZE	CODE	DOC. NUMBER	REV
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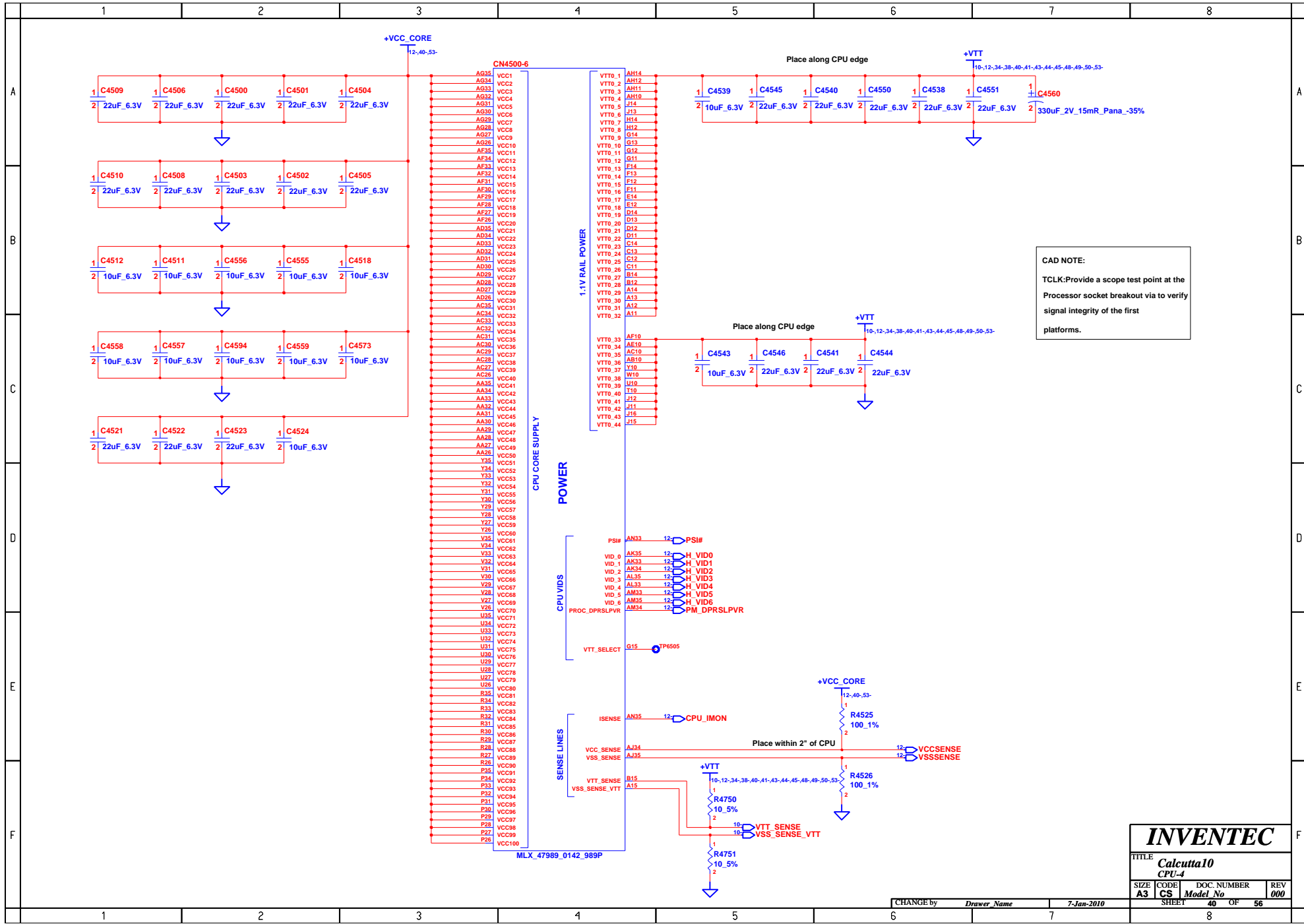


**INVENTEC**

TITLE			
Calcutta10			
CPU-3			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	000
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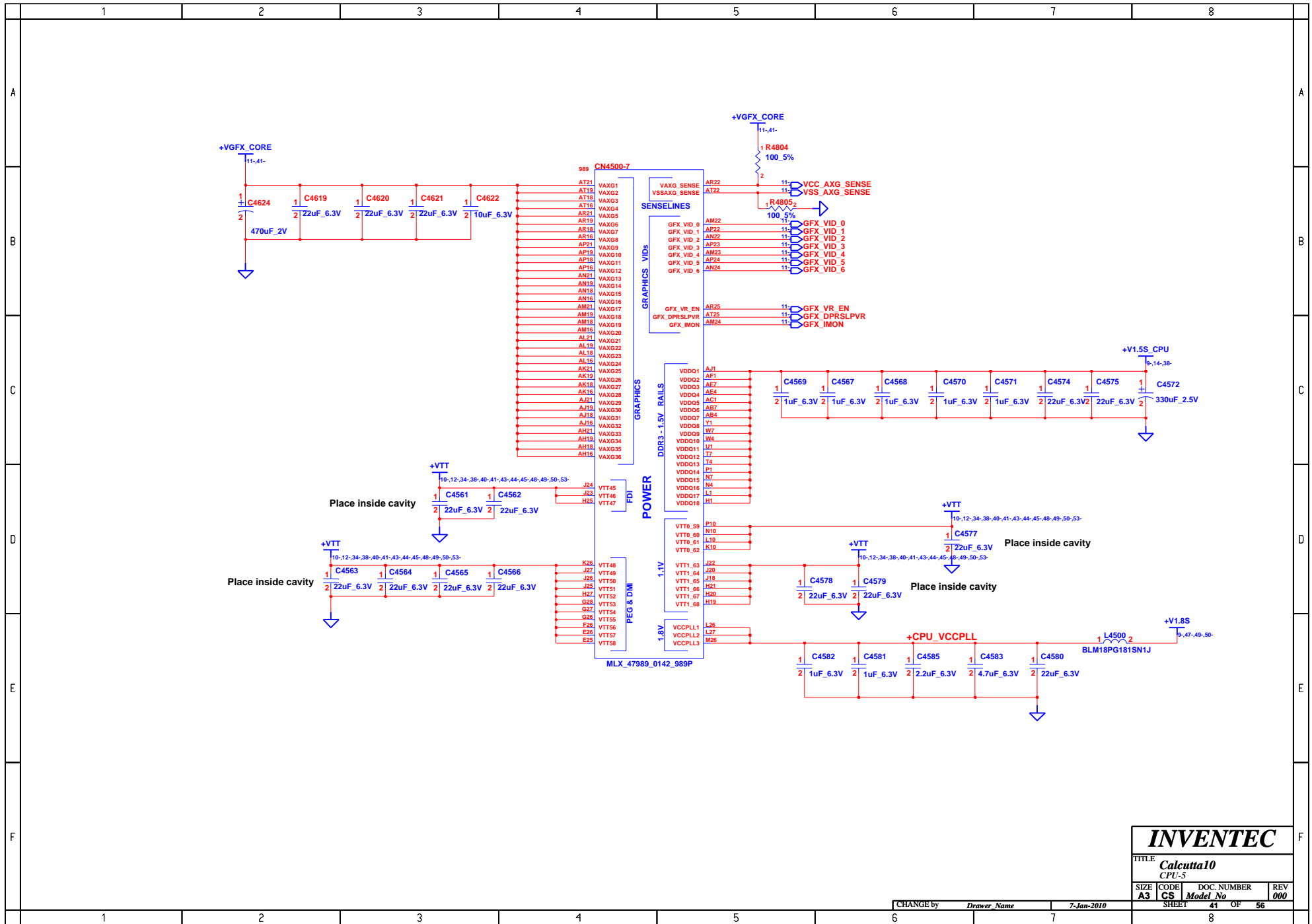
CAD NOTE:  
TCLK:Provide a scope test point at the Processor socket breakout via to verify signal integrity of the first platforms.

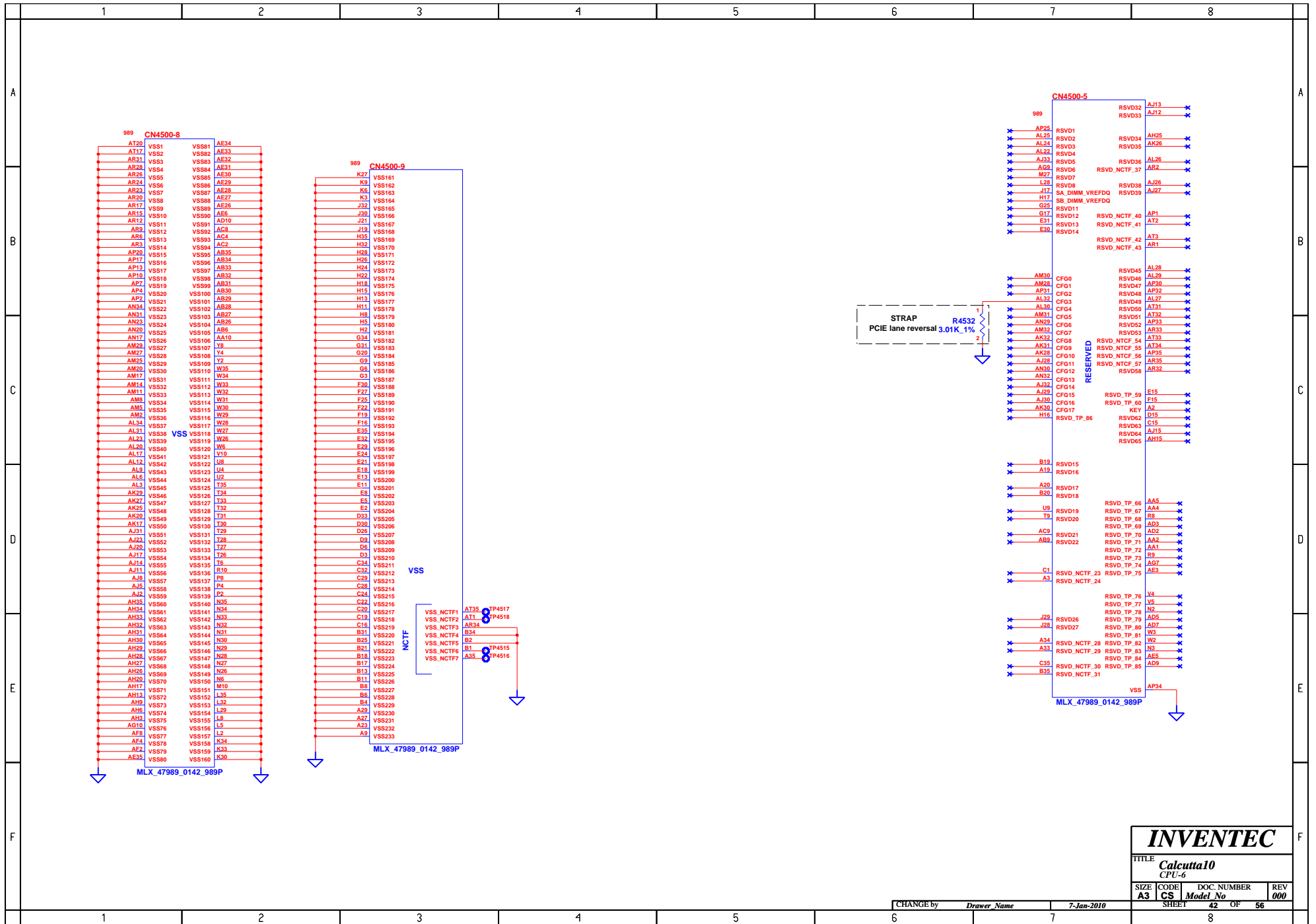
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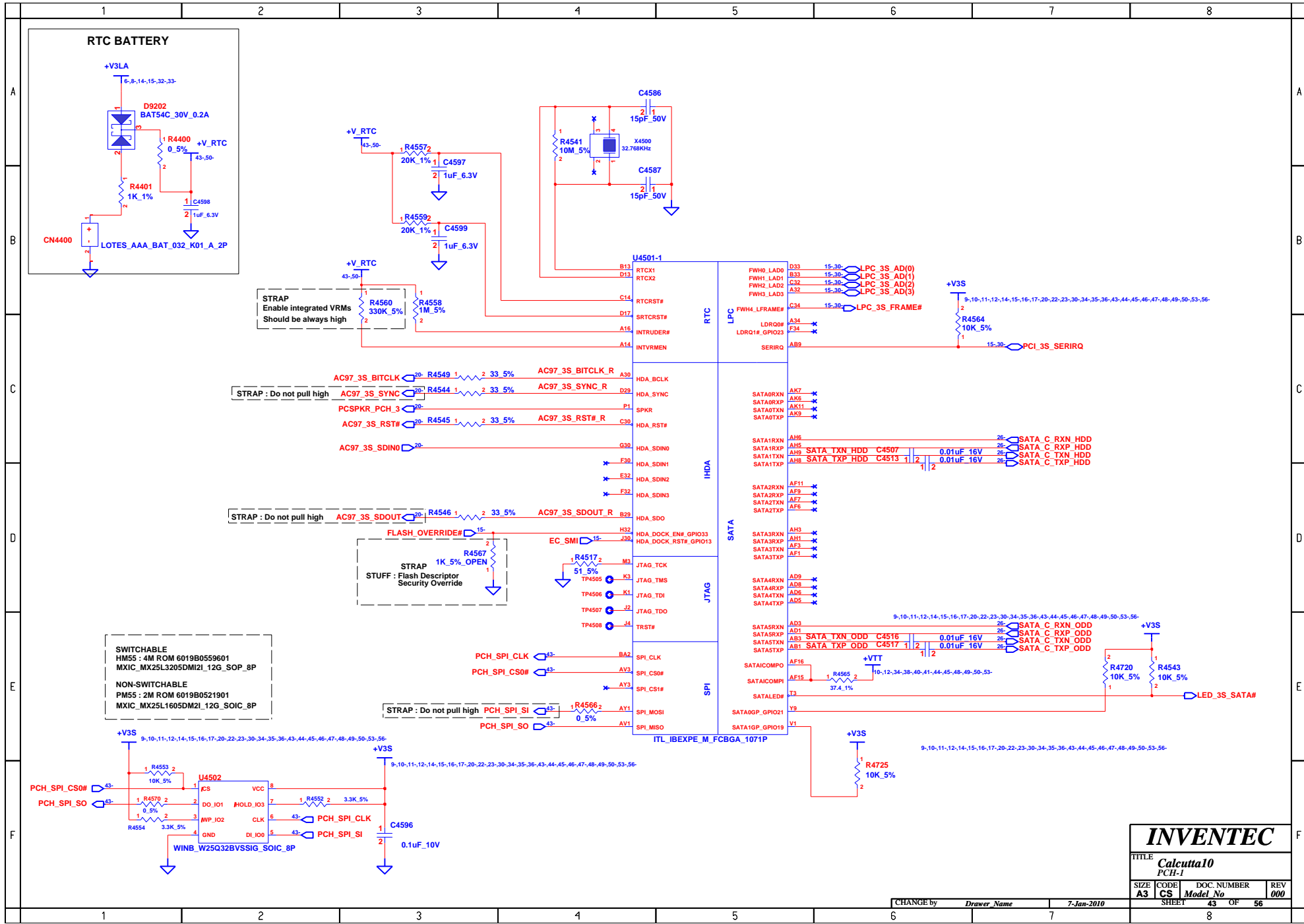
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SIZE A3	CODE CS	DOC. NUMBER Model No	REV 000
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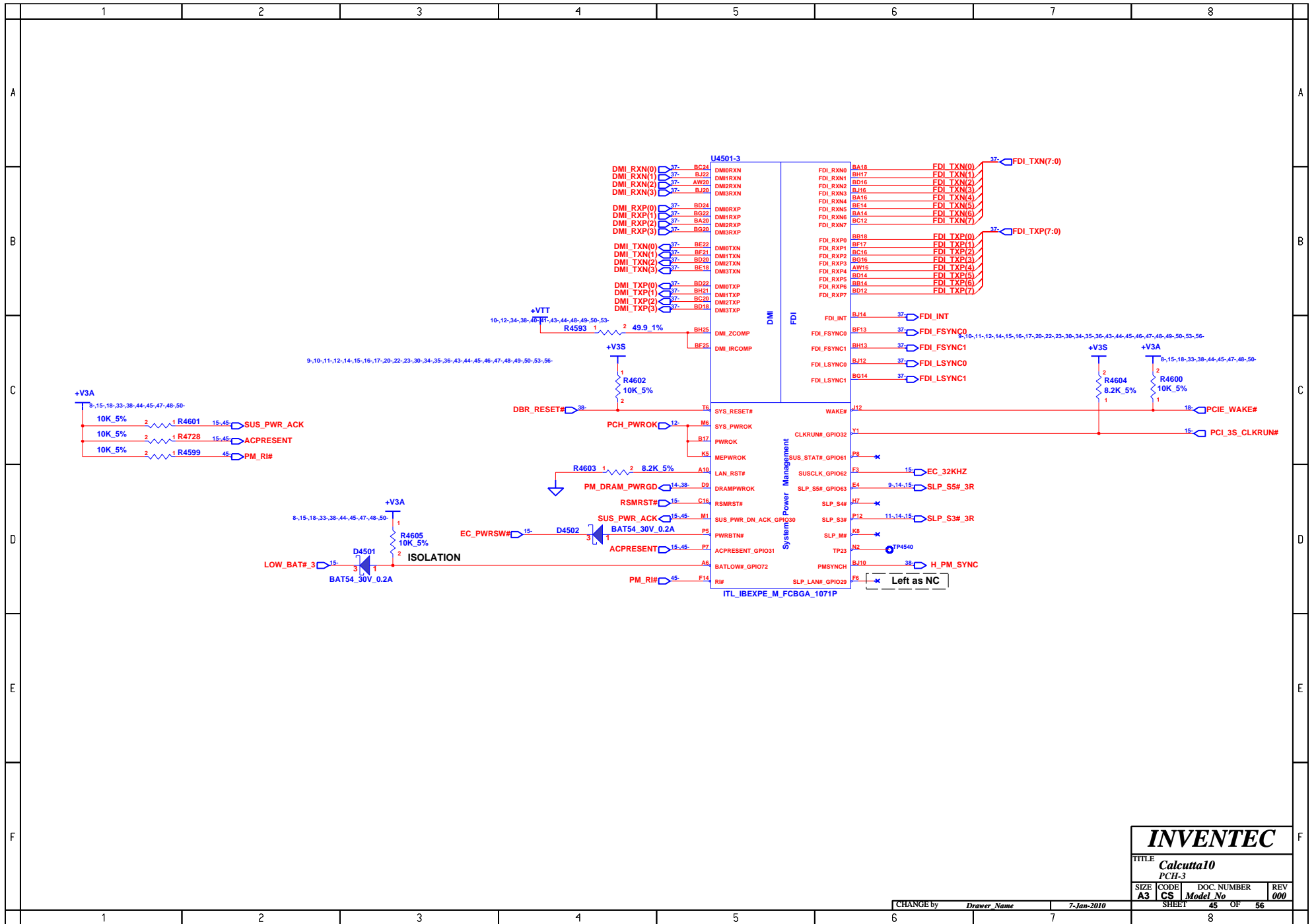


**INVENTEC**

TITLE			
Calculta10			
PCH-1			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	000
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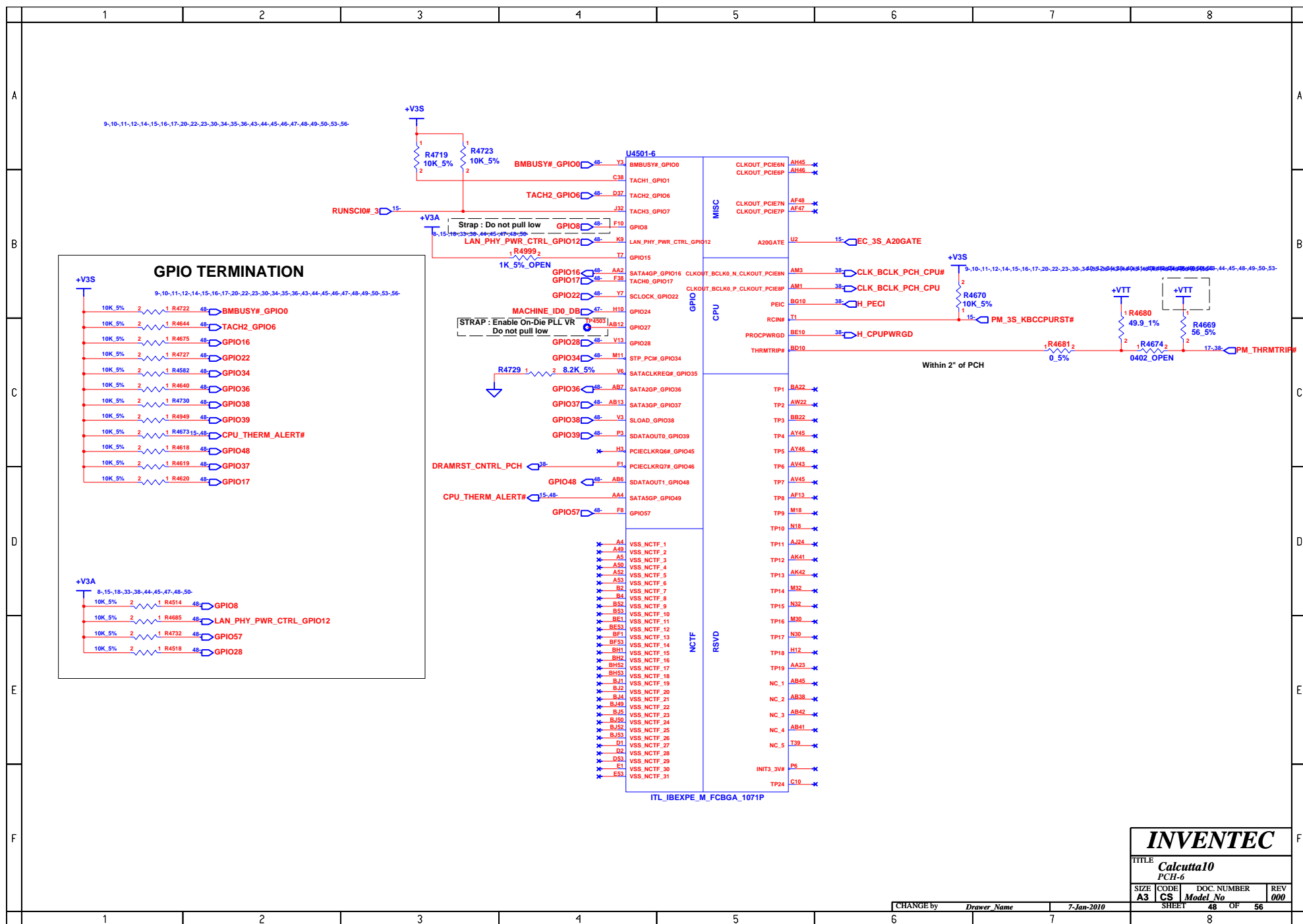
CHANGE by *Drawer Name* 7-Jan-2010



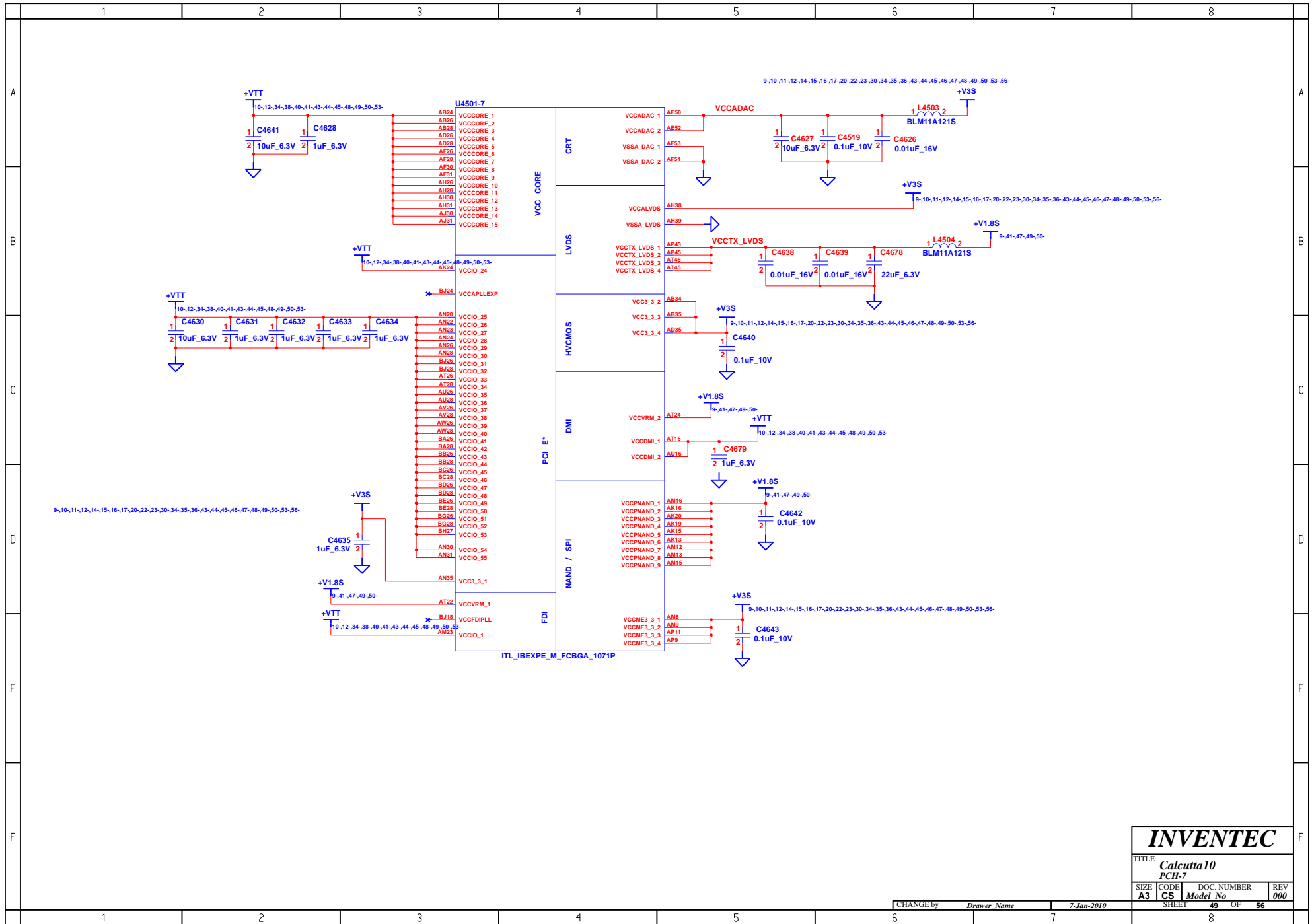












**INVENTEC**

TITLE <b>Calcutta10</b> <b>PCH-7</b>			
SIZE <b>A3</b>	CODE <b>CS</b>	DOC. NUMBER <i>Model No</i>	REV <b>000</b>
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U4501-9

U4501-10

ITL\_IBEXPE\_M\_FCBGA\_107P

ITL\_IBEXPE\_M\_FCBGA\_107P

SIZE	CODE	CS	Model No	REV
A00	CS		Model No	000

INVENTEC

TITLE Calcutta10 PCH-9

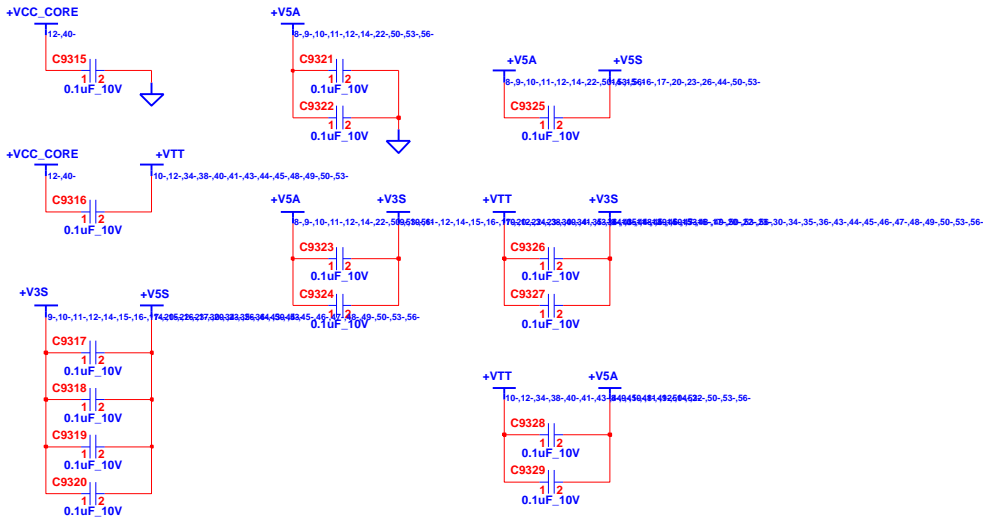
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B									B
C									C
D									D
E									E
F									F
	1	2	3	4	5	6	7	8	

INVENTEC			
TITLE Calcutta10 3D SENSOR			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV 000
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# EMI



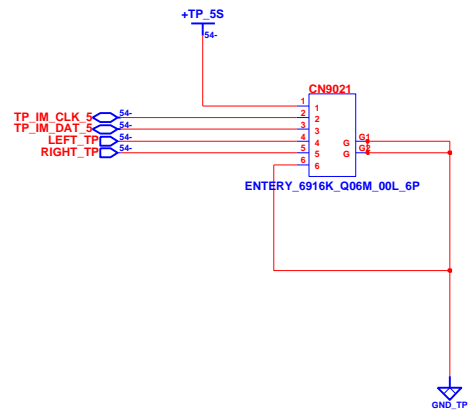
**INVENTEC**

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

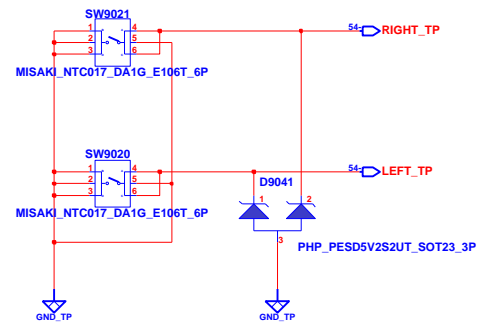
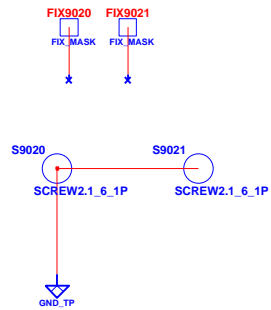
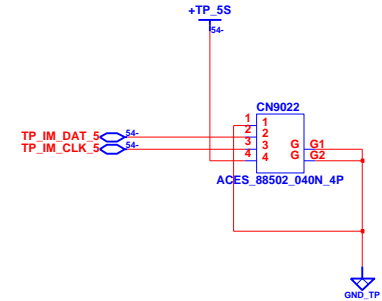
CHANGE by *Drawer Name* 7-Jan-2010

# TOUCH PAD SWITCH BOARD

Connect to Touchpad Module



Connect to Mainboard's TP connector

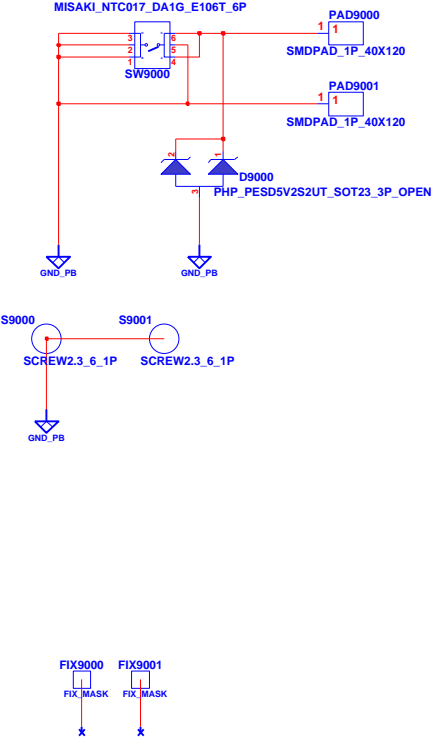


**INVENTEC**

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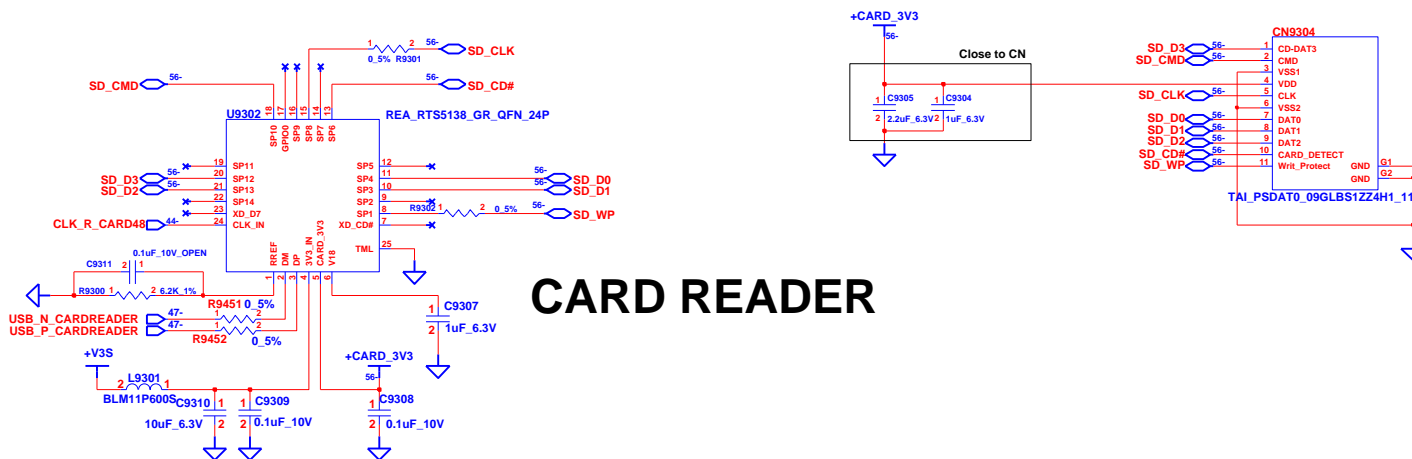
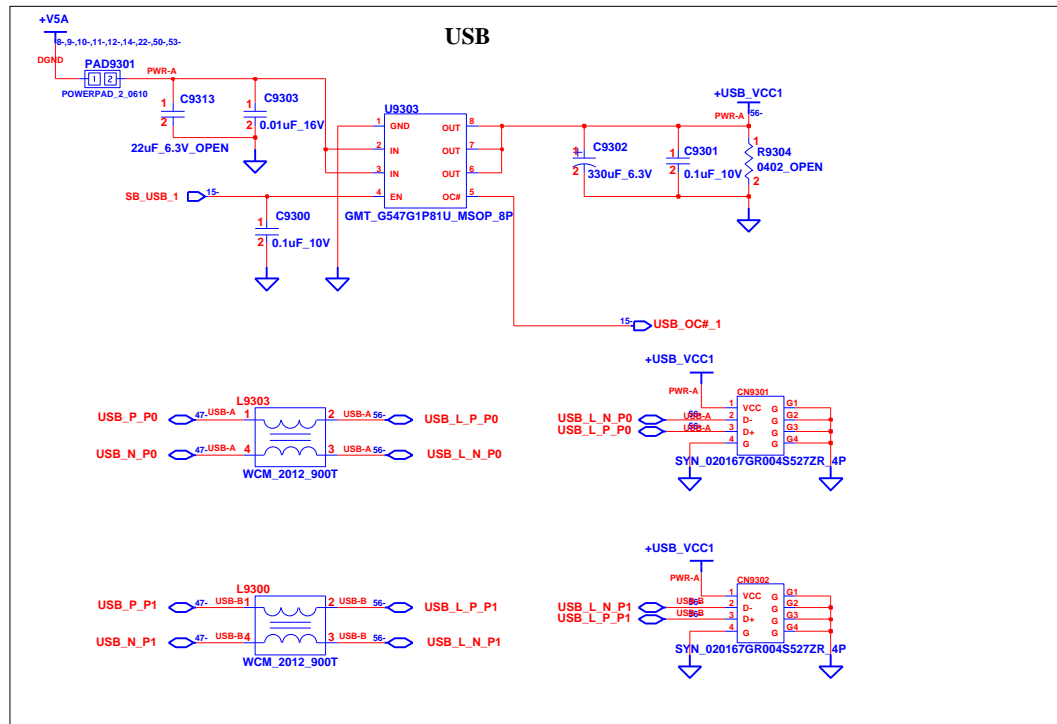
POWER BOARD



**INVENTEC**

TITLE			
Calcutta10 POWER BOARD			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	000
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CHANGE by *Drawer Name* 24-Feb-2010



INVENTEC			
TITLE			
Calcutta10			
Card Reader/USB			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	000
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