

Calcutta 10

CS Build (A01)

2010.04.09

INVENTEC			
TITLE Calcutta10			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV 000
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CHANGE by *Drawer Name* 22-Mar-2010

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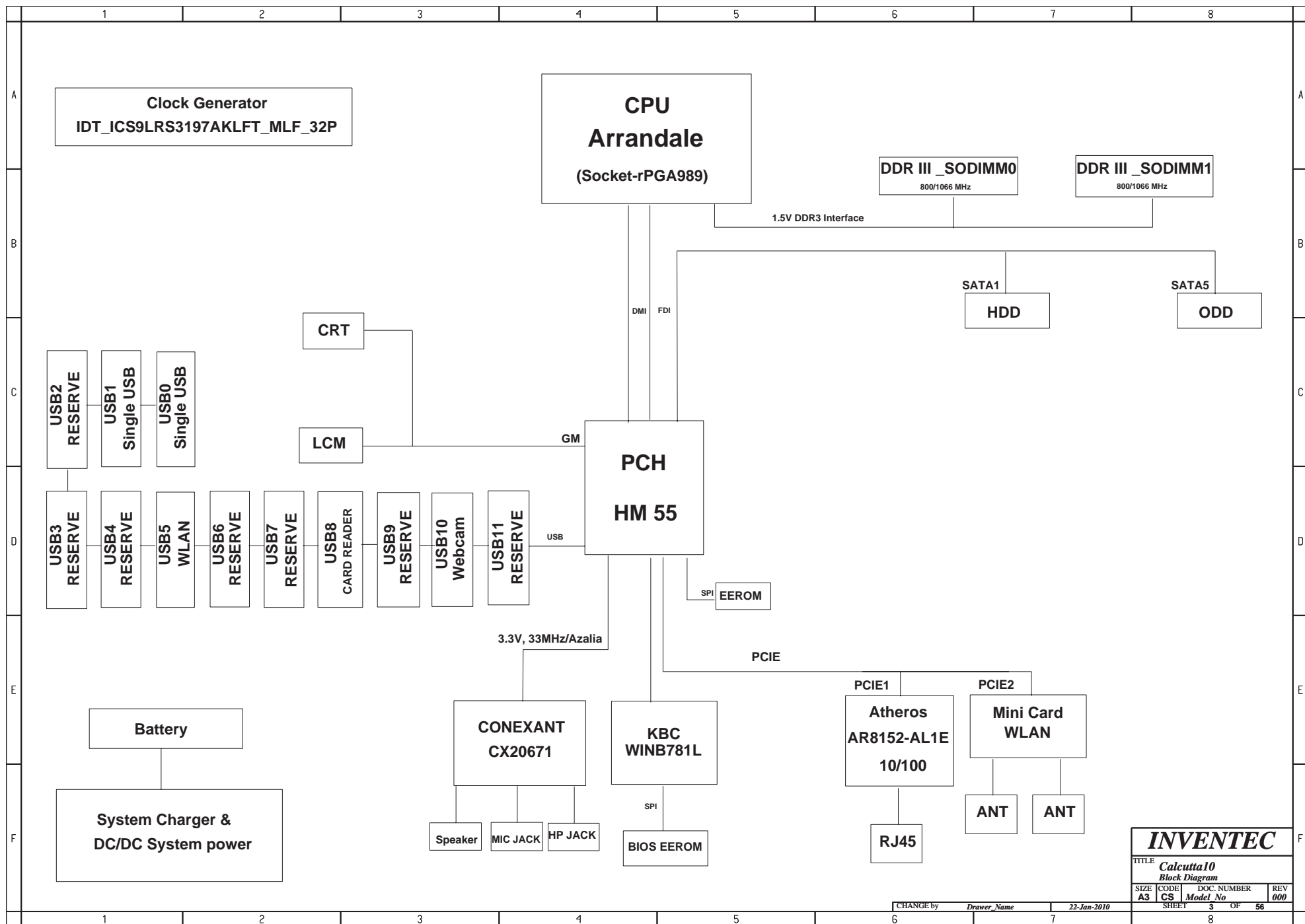
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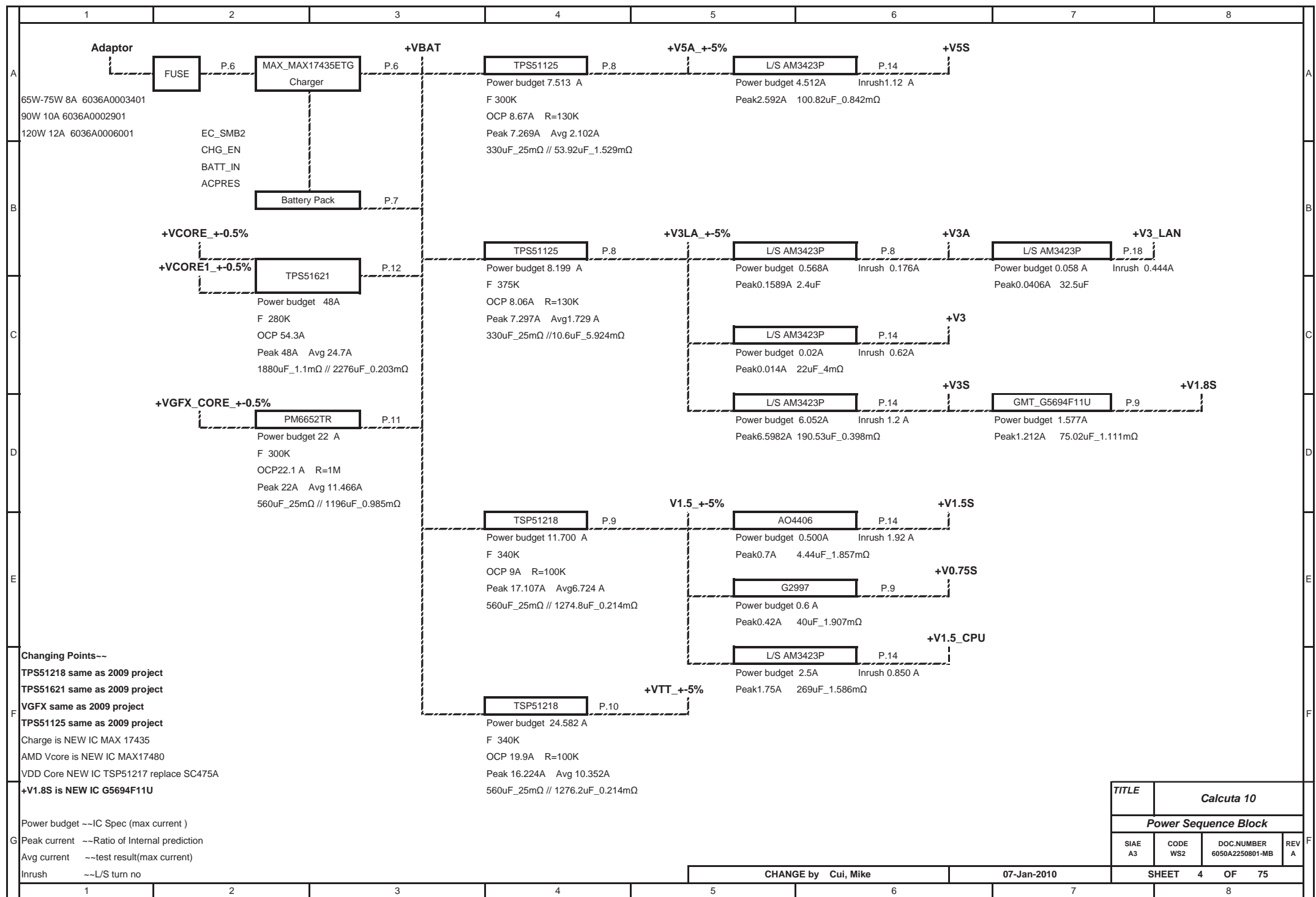
INVENTEC

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Changing Points--

TPS51218 same as 2009 project

TPS51621 same as 2009 project

VGFX same as 2009 project

TPS51125 same as 2009 project

Charge is NEW IC MAX 17435

AMD Vcore is NEW IC MAX17480

VDD Core NEW IC TSP51217 replace SC475A

+V1.8S is NEW IC G5694F11U

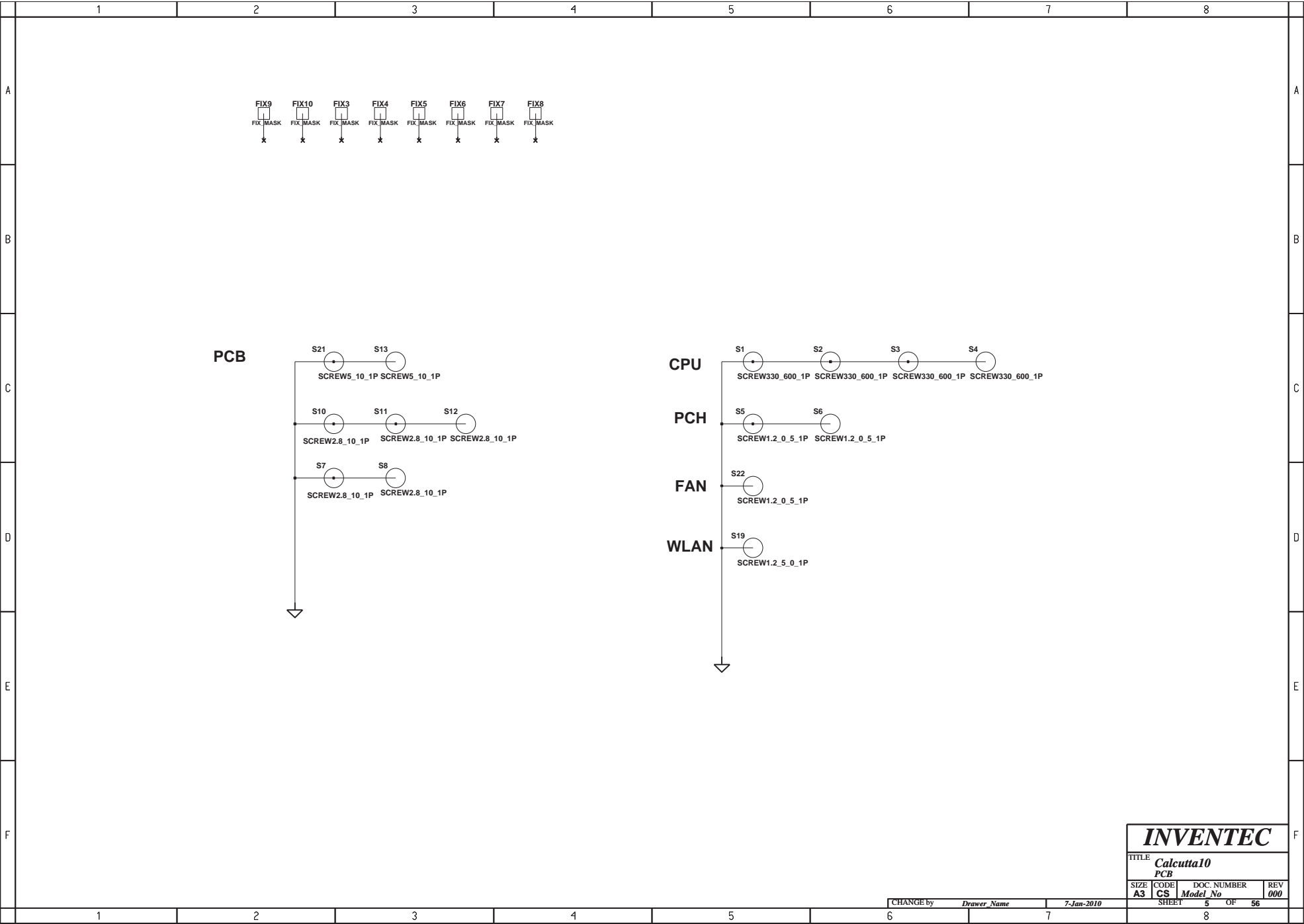
Power budget --IC Spec (max current)

Peak current --Ratio of Internal prediction

Avg current --test result(max current)

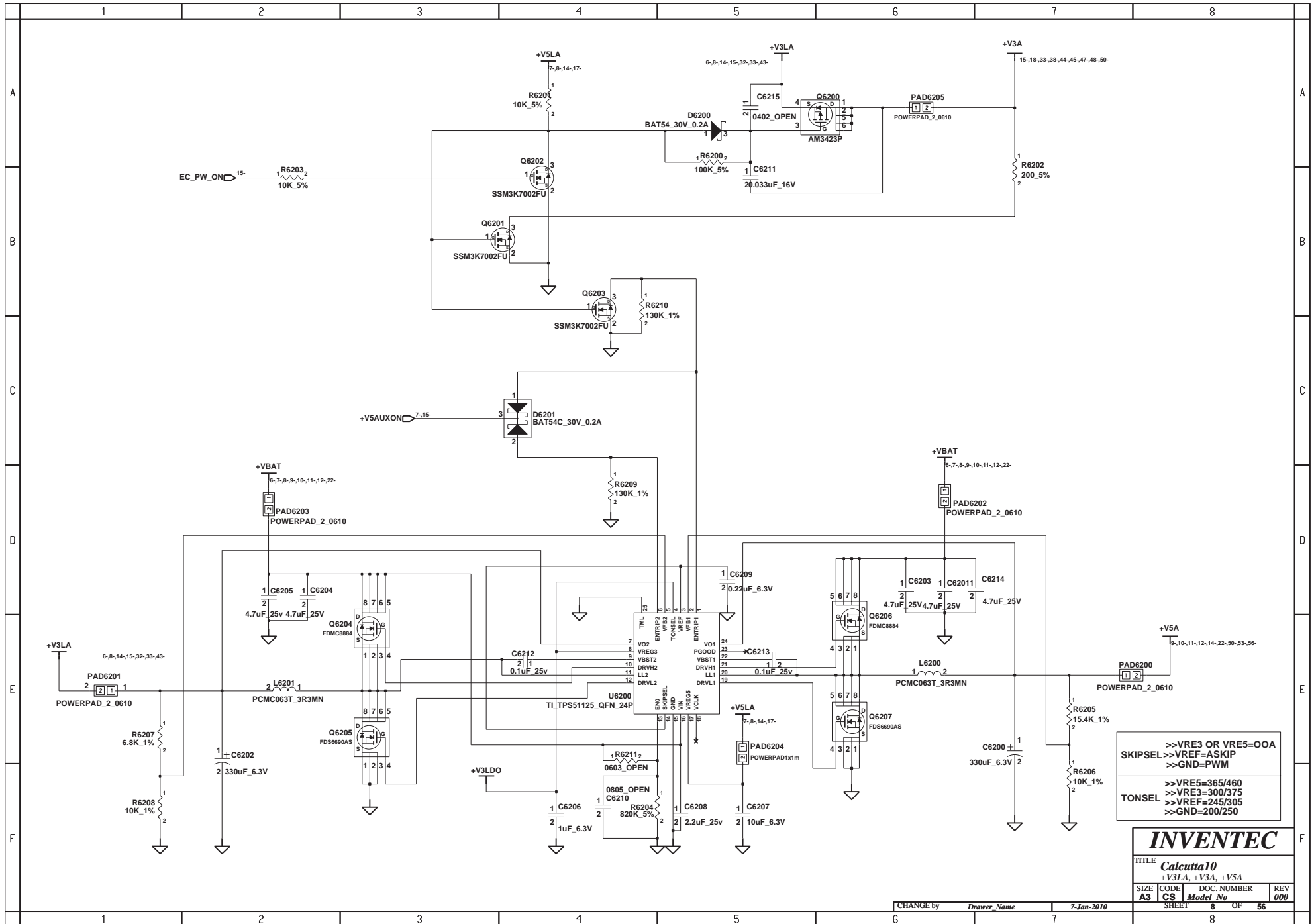
Inrush --L/S turn no

TITLE		Calcuta 10	
Power Sequence Block			
SAIE A3	CODE WS2	DOC.NUMBER 6050A2250801-MB	REV A

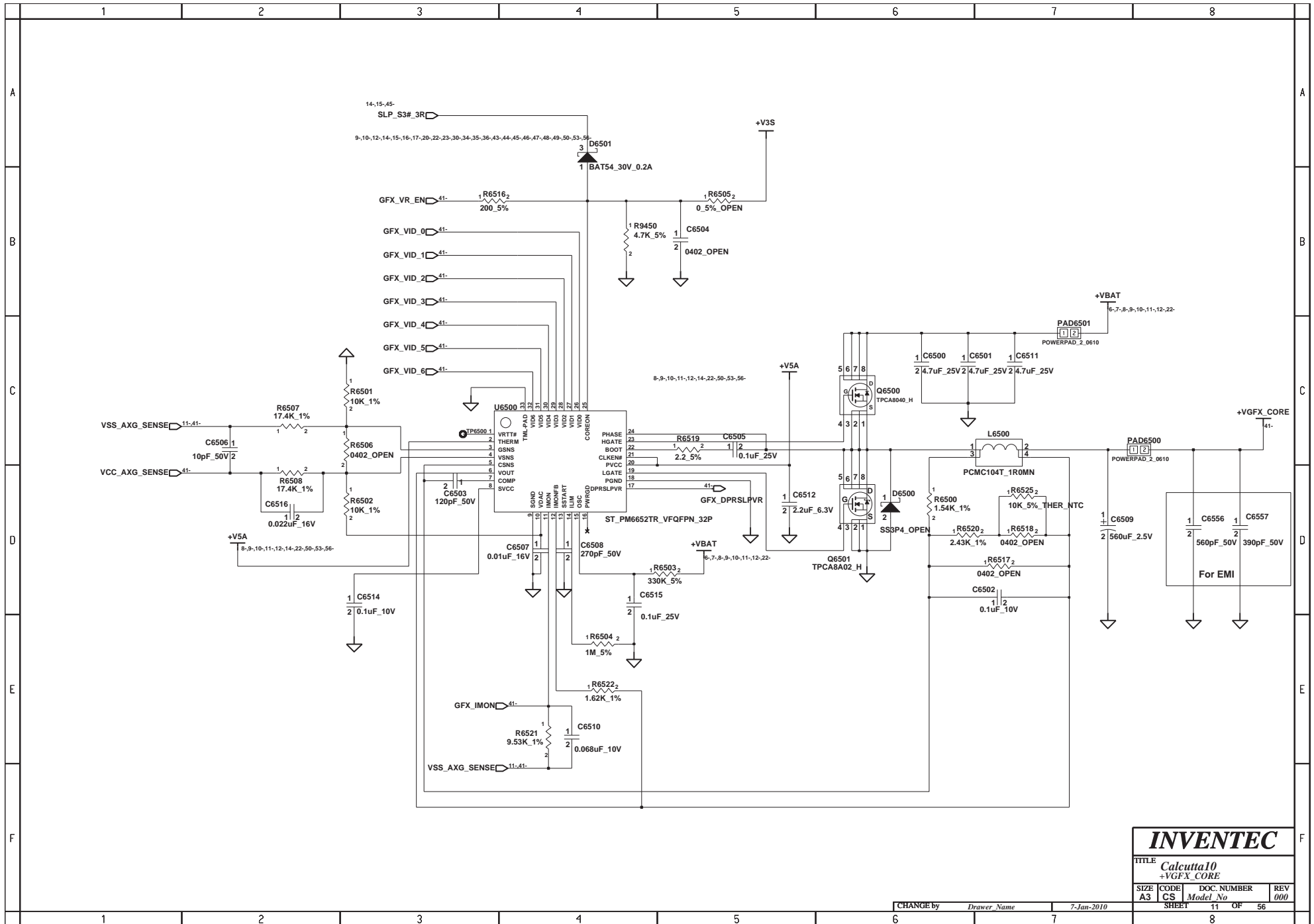


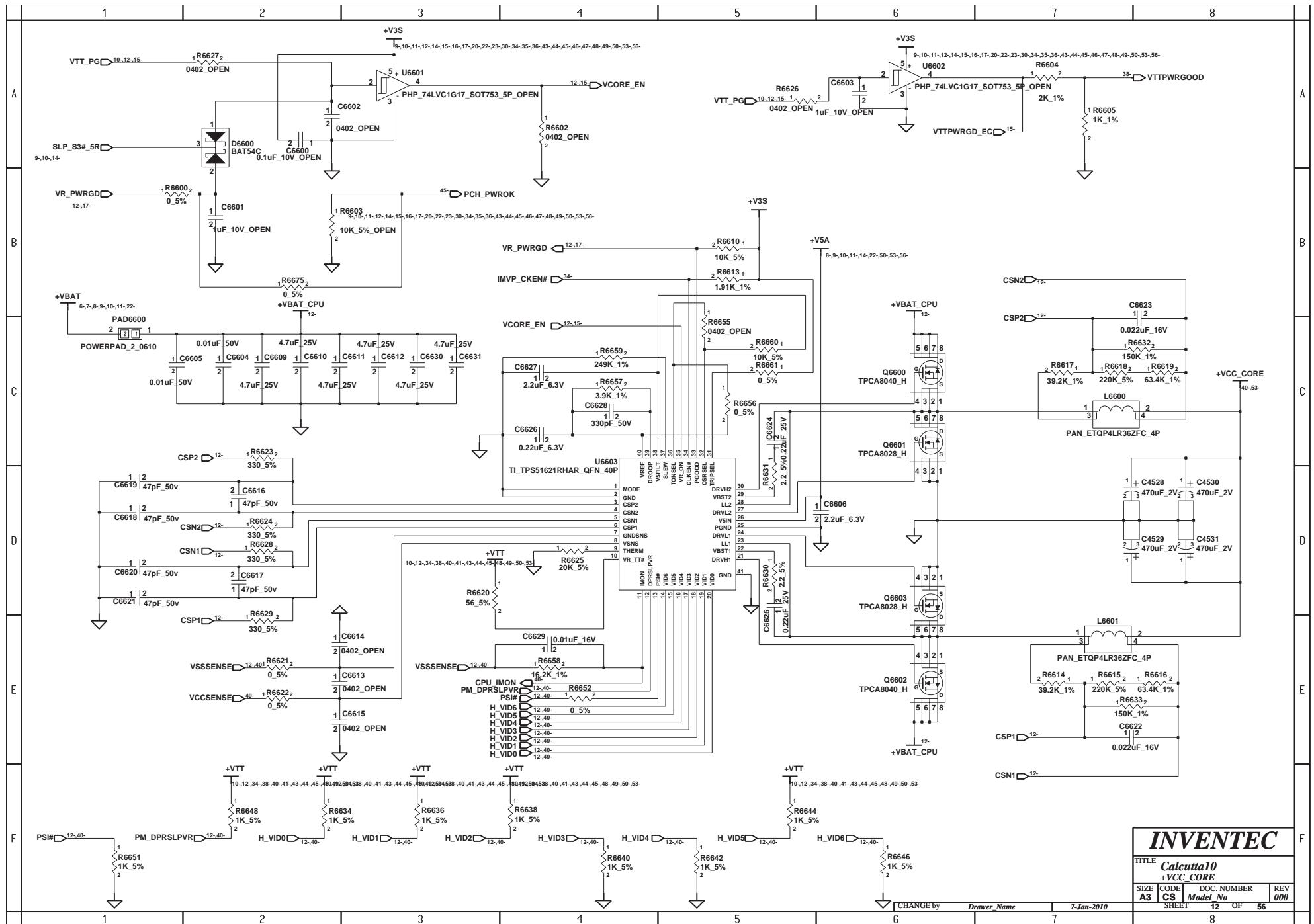










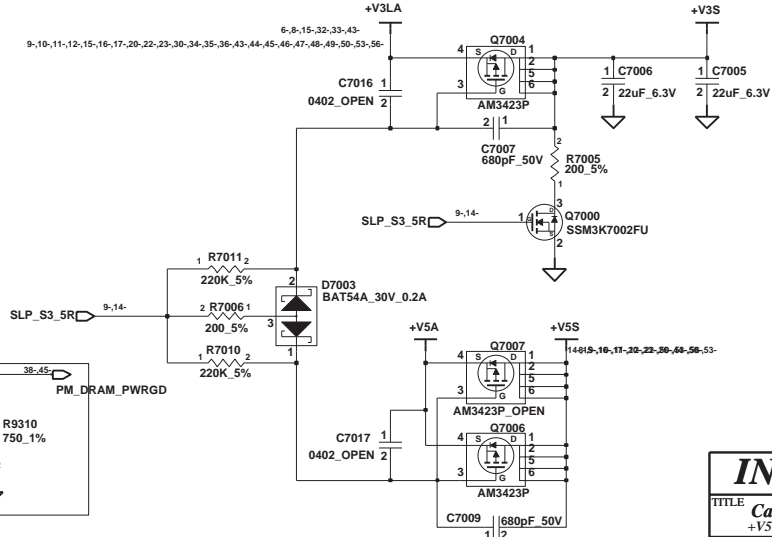
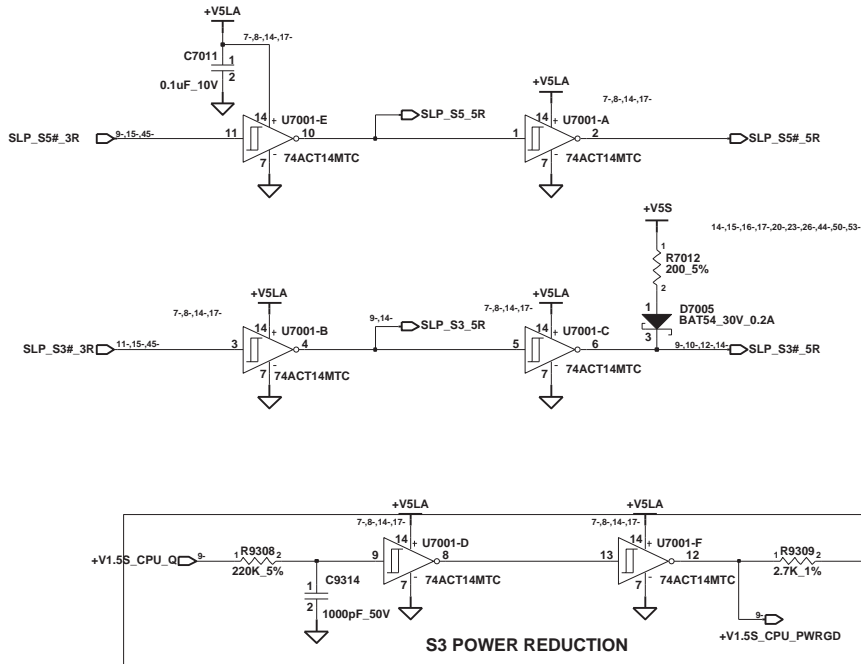
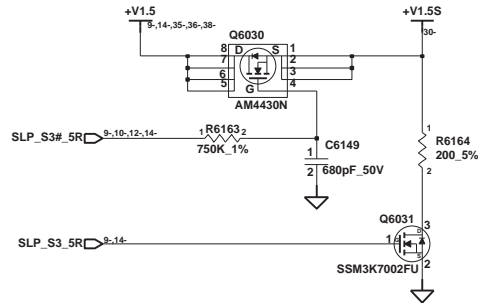
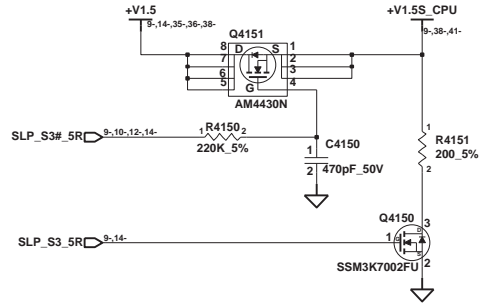


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INVENTEC			
TITLE <i>Calcutta10</i>			
SIZE A3	CODE CS	DOC. NUMBER <i>Model No</i>	REV 000
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+V5S +V3S +V1.5S +V1.5S_CPU

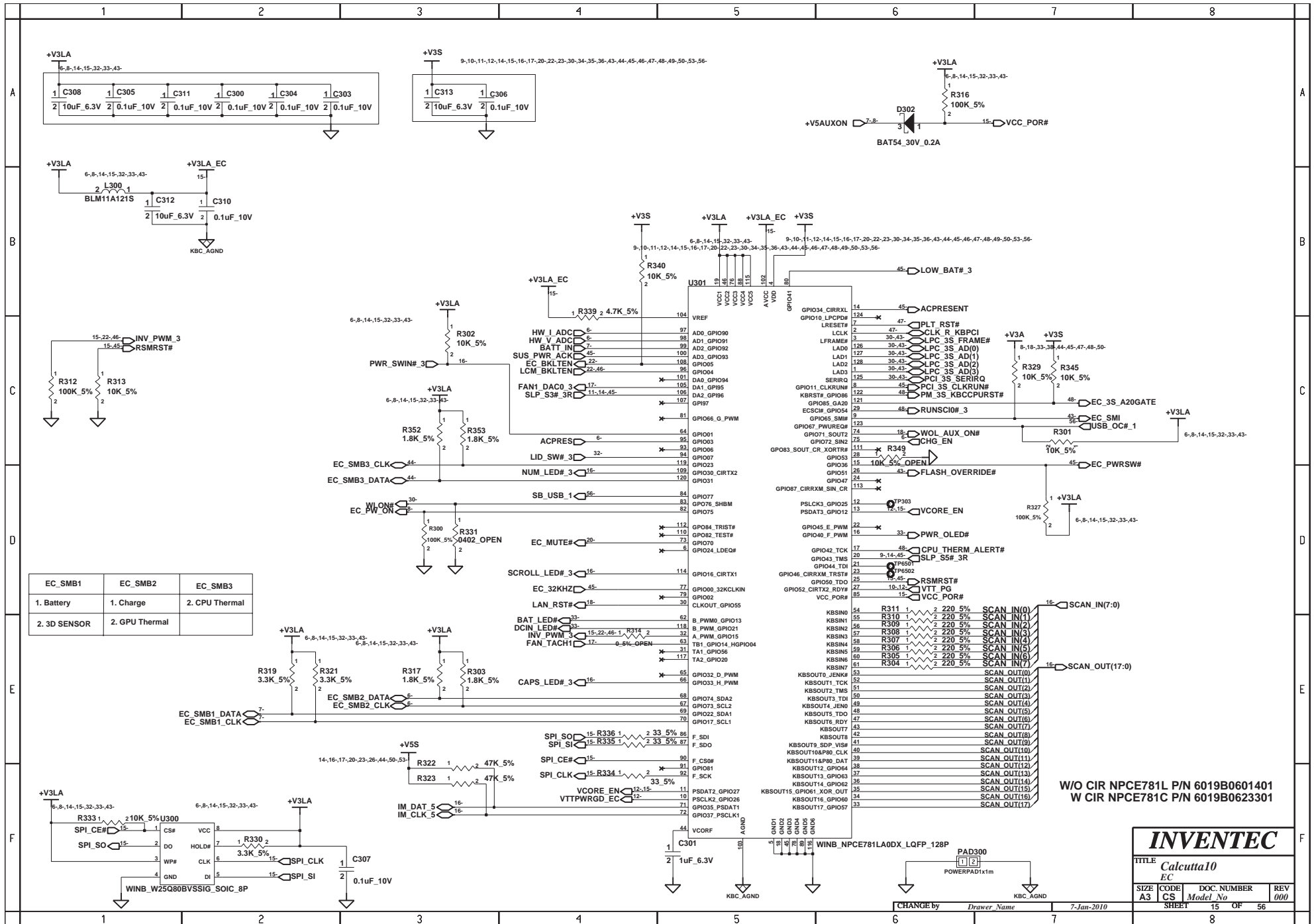
S3 POWER REDUCTION



INVENTEC

TITLE			
Calcutta10			
+V5S +V3S +V1.5S			
SIZE	CODE	DOC. NUMBER	REV
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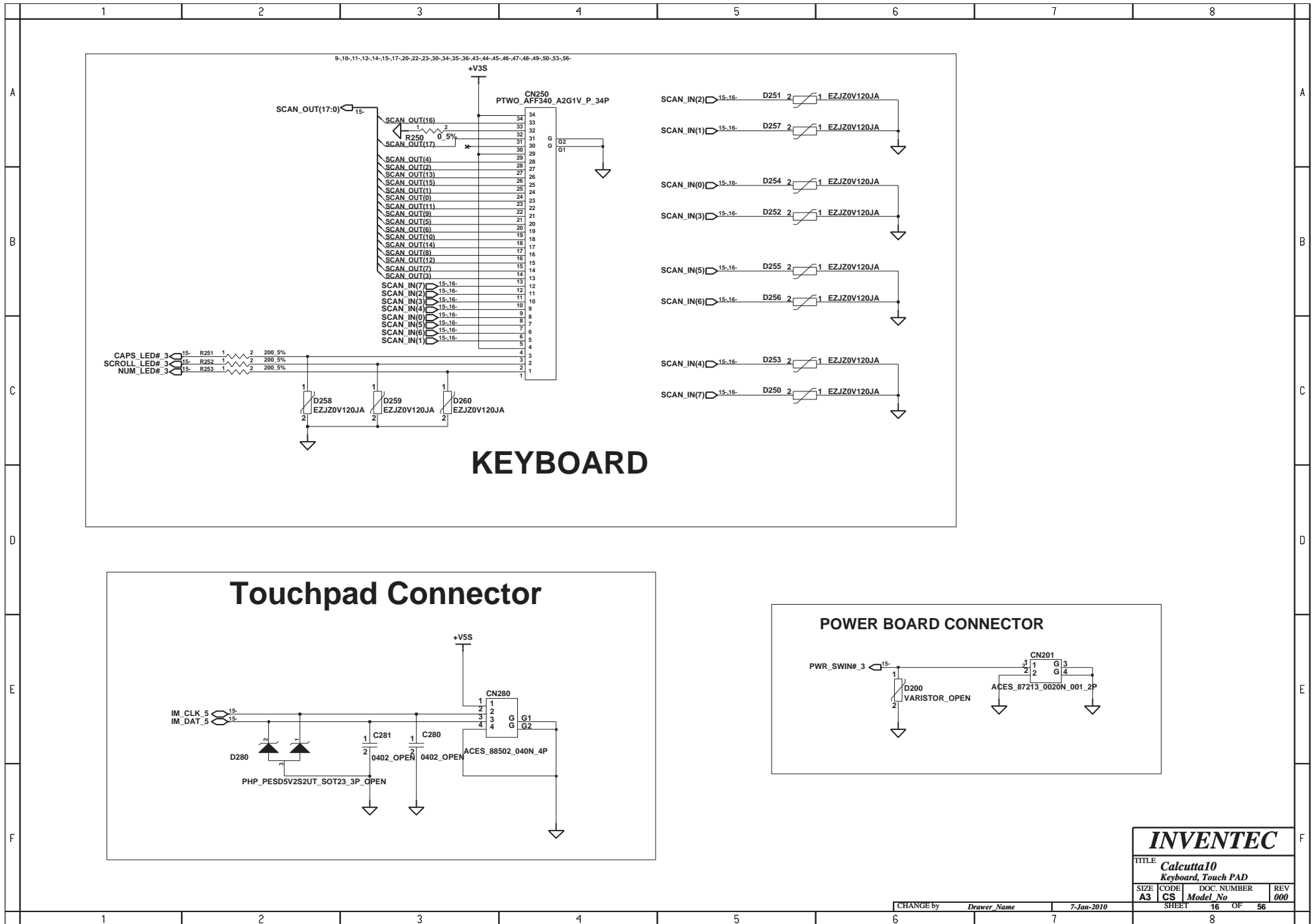
W/O CIR NPCE781L P/N 6019B0601401
W CIR NPCE781C P/N 6019B0623301

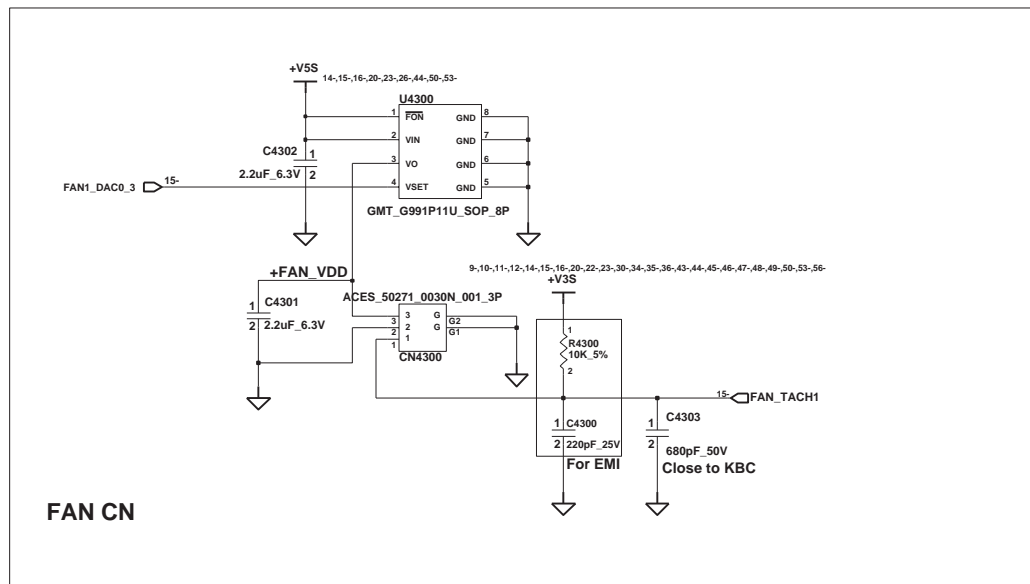
INVENTEC

TITLE: Calcutta10
EC
SIZE A3 CODE CS DOC. NUMBER REV 000
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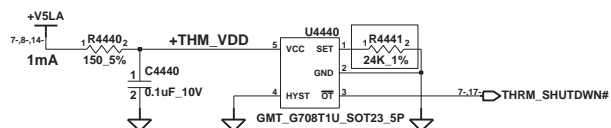
CHANGE by: Drawer Name 7-Jan-2010

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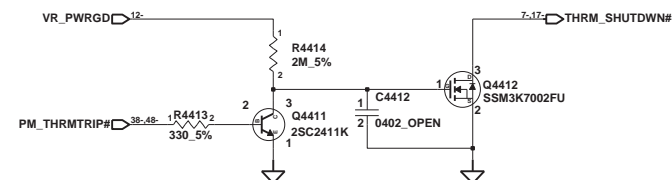
Board Thermal Sensor



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



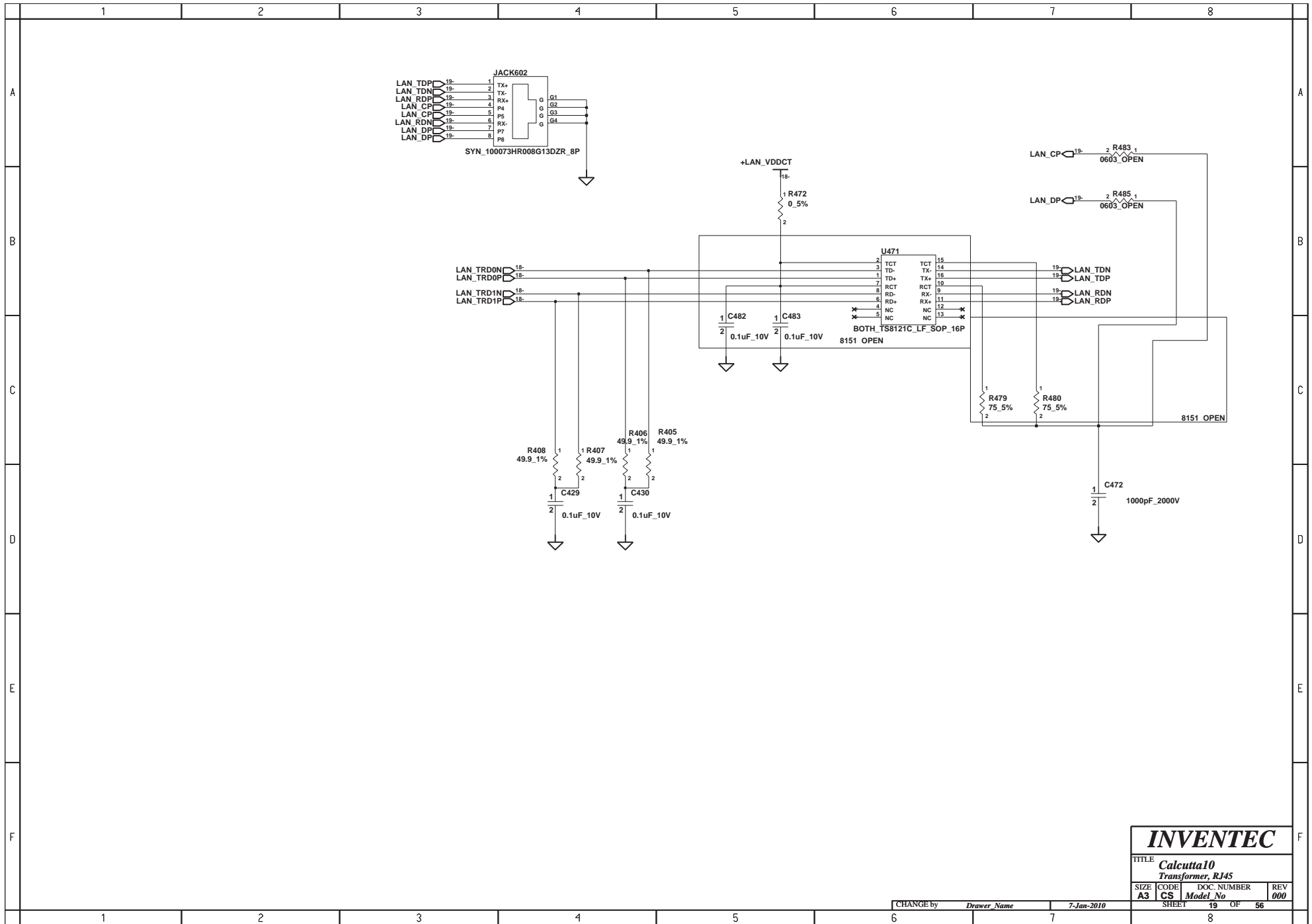
INVENTEC

TITLE
Calcutta10
FAN, Thermal controller

SIZE A3	CODE CS	DOC. NUMBER Model No	REV 000
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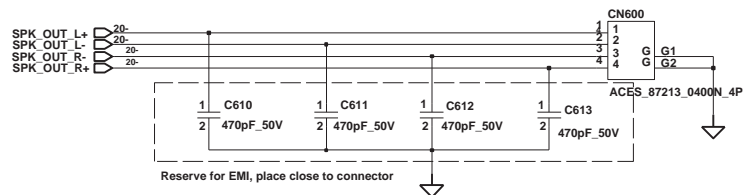


INVENTEC

TITLE			
Calcutta10 Transformer, RJ45			
SIZE	CODE	DOC. NUMBER	REV
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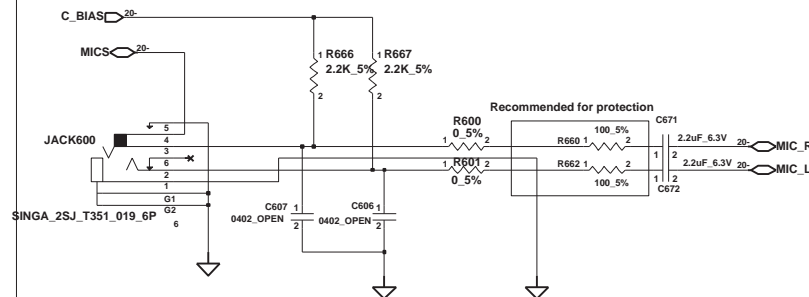
CHANGE by *Drawer Name* 7-Jan-2010

INTERNAL SPEAKERS

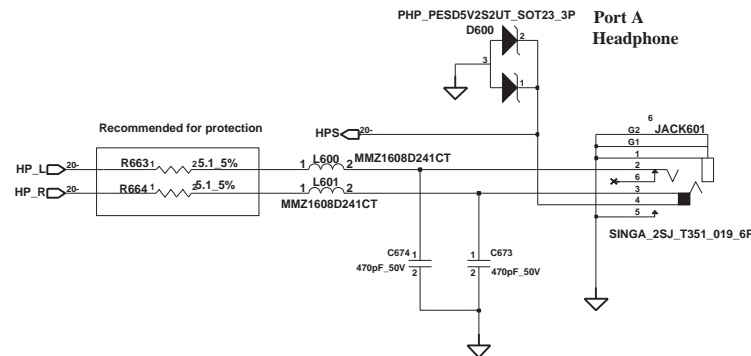


AUDIO JACKS

Port C
External microphone



Port A
Headphone



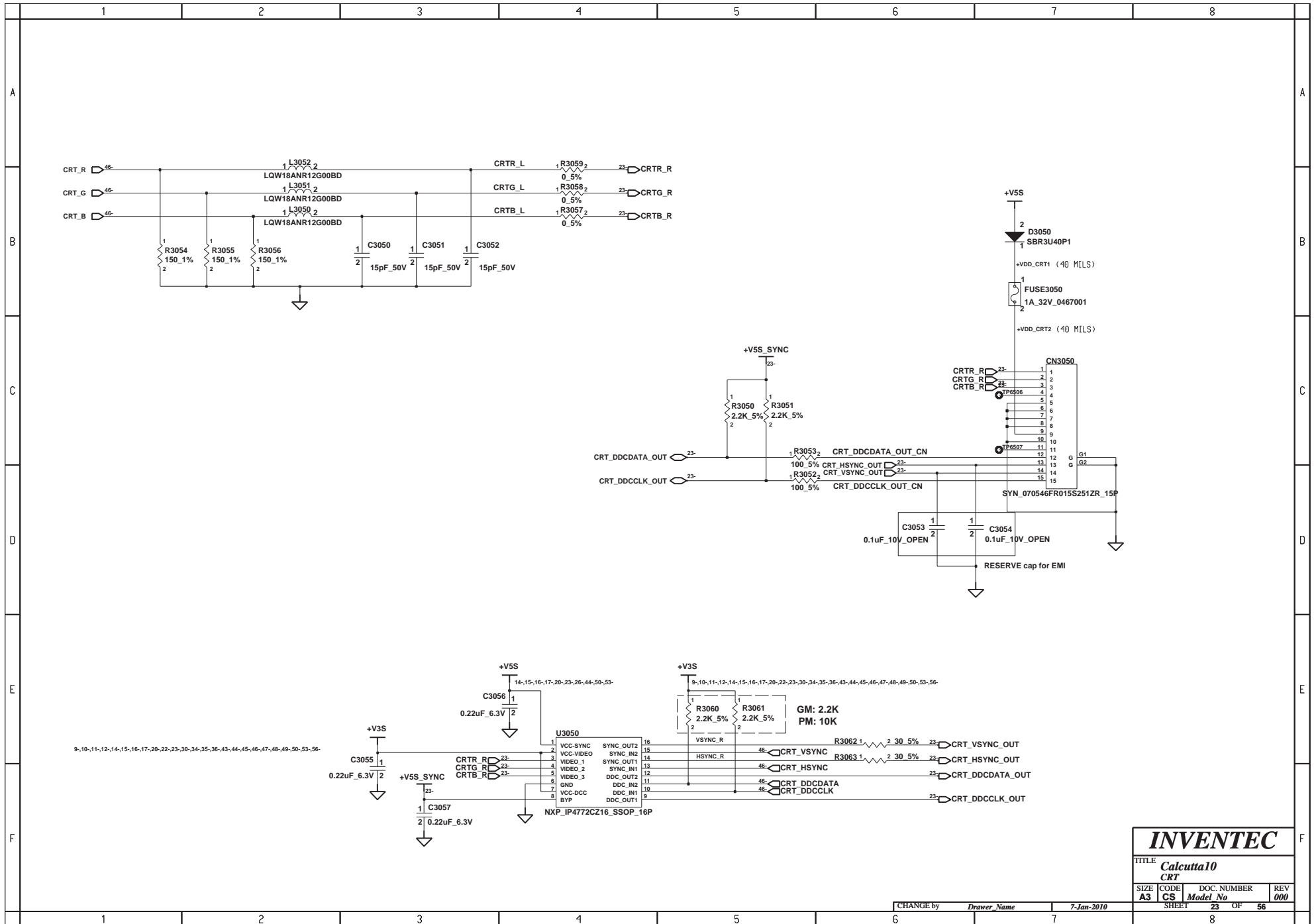
INVENTEC

TITLE
Calcutta10
AUDIO JACK

SIZE	CODE	DOC. NUMBER	REV
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INVENTEC				
TITLE				
Calcutta10				
CRT				
SIZE	CODE	DOC. NUMBER	REV	
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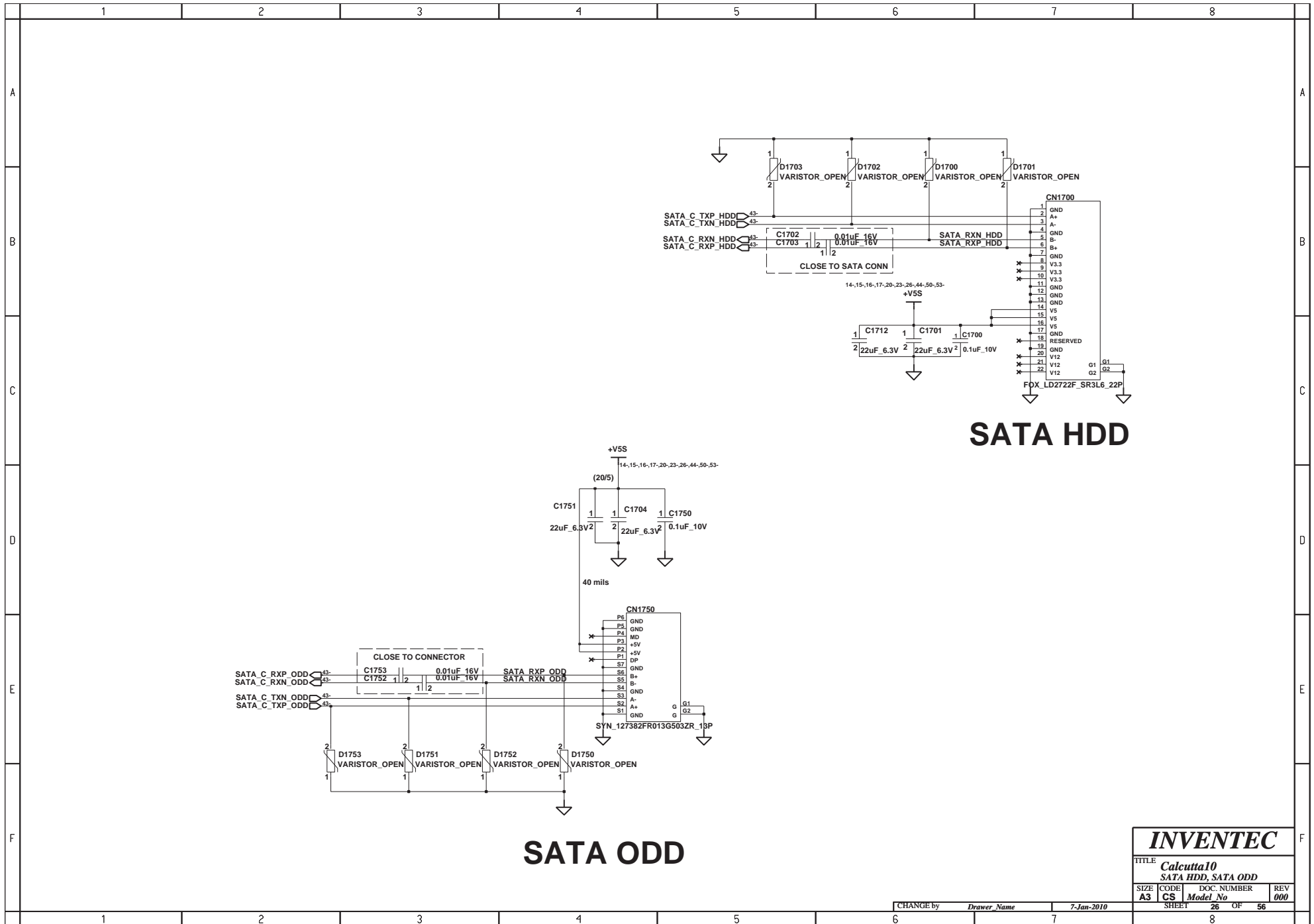
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D									D
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INVENTEC			
TITLE <i>Calcutta10</i>			
HDMI LEVEL SHIFTER			
SIZE A3	CODE CS	DOC. NUMBER <i>Model No</i>	REV 000
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INVENTEC			
TITLE <i>Calcutta10 HDMI</i>			
SIZE A3	CODE CS	DOC. NUMBER <i>Model No</i>	REV 000
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INVENTEC			
TITLE <i>Calcutta10</i>			
CARD READER & USB CNTR			
SIZE A3	CODE CS	DOC. NUMBER <i>Model No</i>	REV 000
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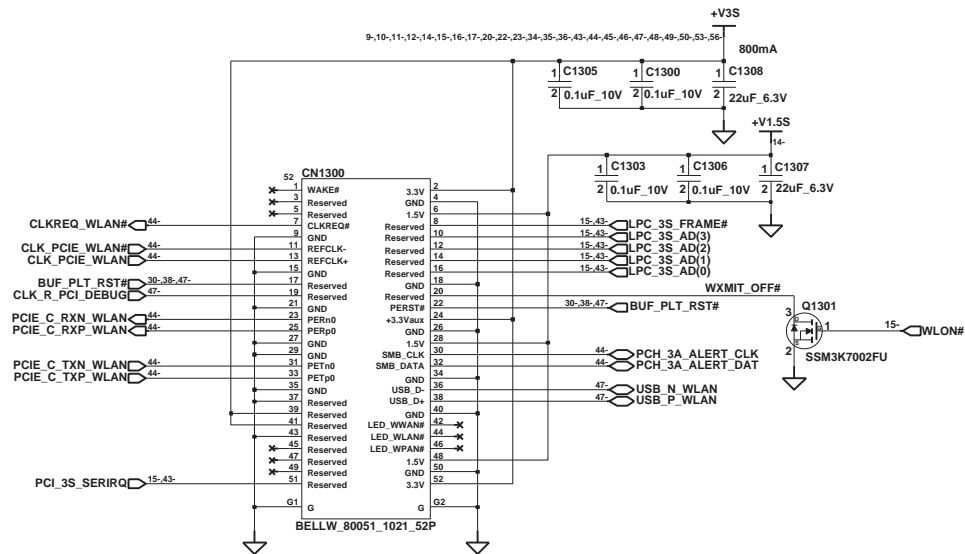
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TITLE <i>Calcutta10</i>			
USB & eSATA COMBO			
SIZE A3	CODE CS	DOC. NUMBER <i>Model No</i>	REV 000
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INVENTEC			
TITLE <i>Calcutta10 BlueTooth</i>			
SIZE A3	CODE CS	DOC. NUMBER <i>Model No</i>	REV 000
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Wireless & Debug card



INVENTEC

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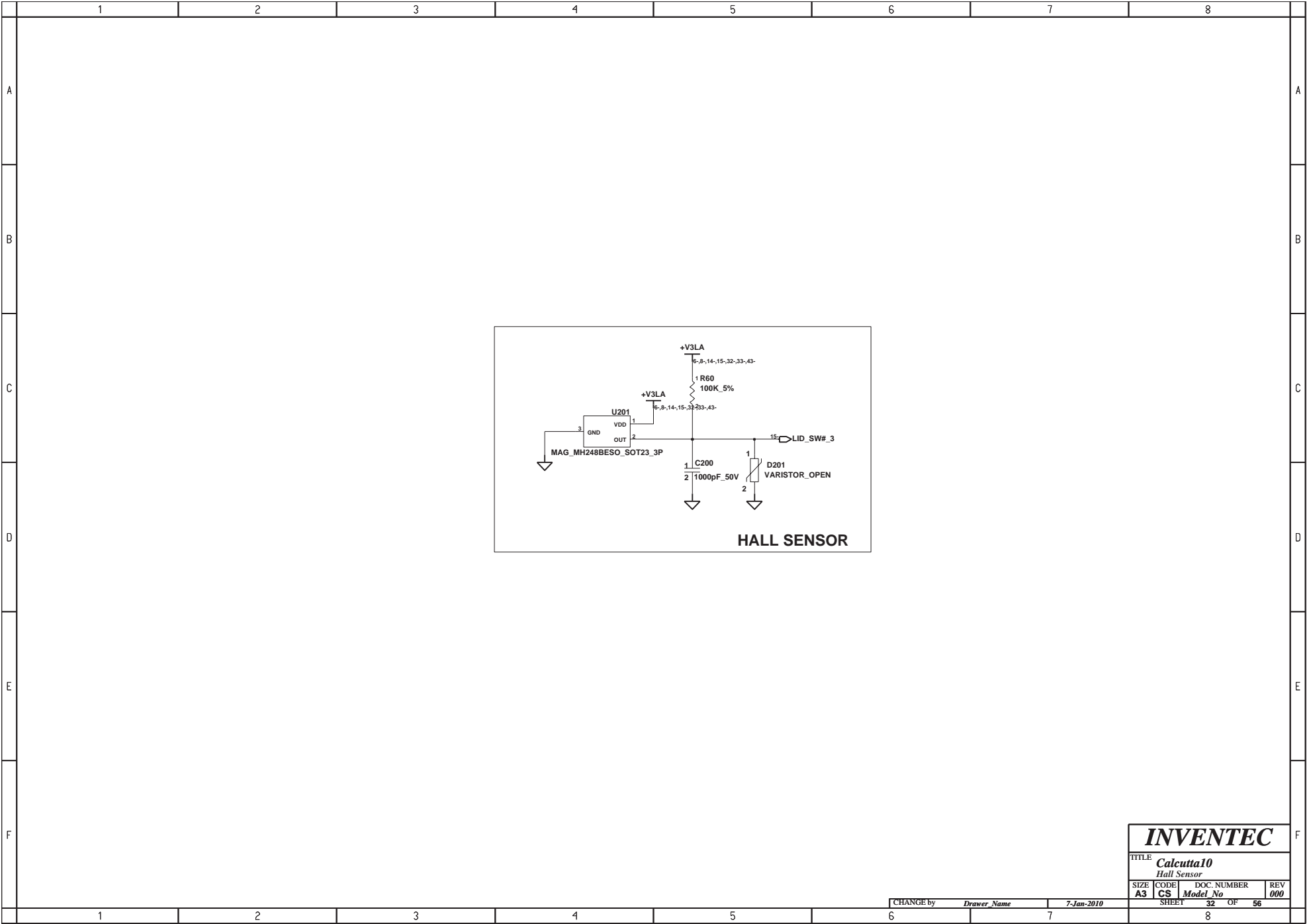
CHANGE by *Drawer Name* 7-Jan-2010

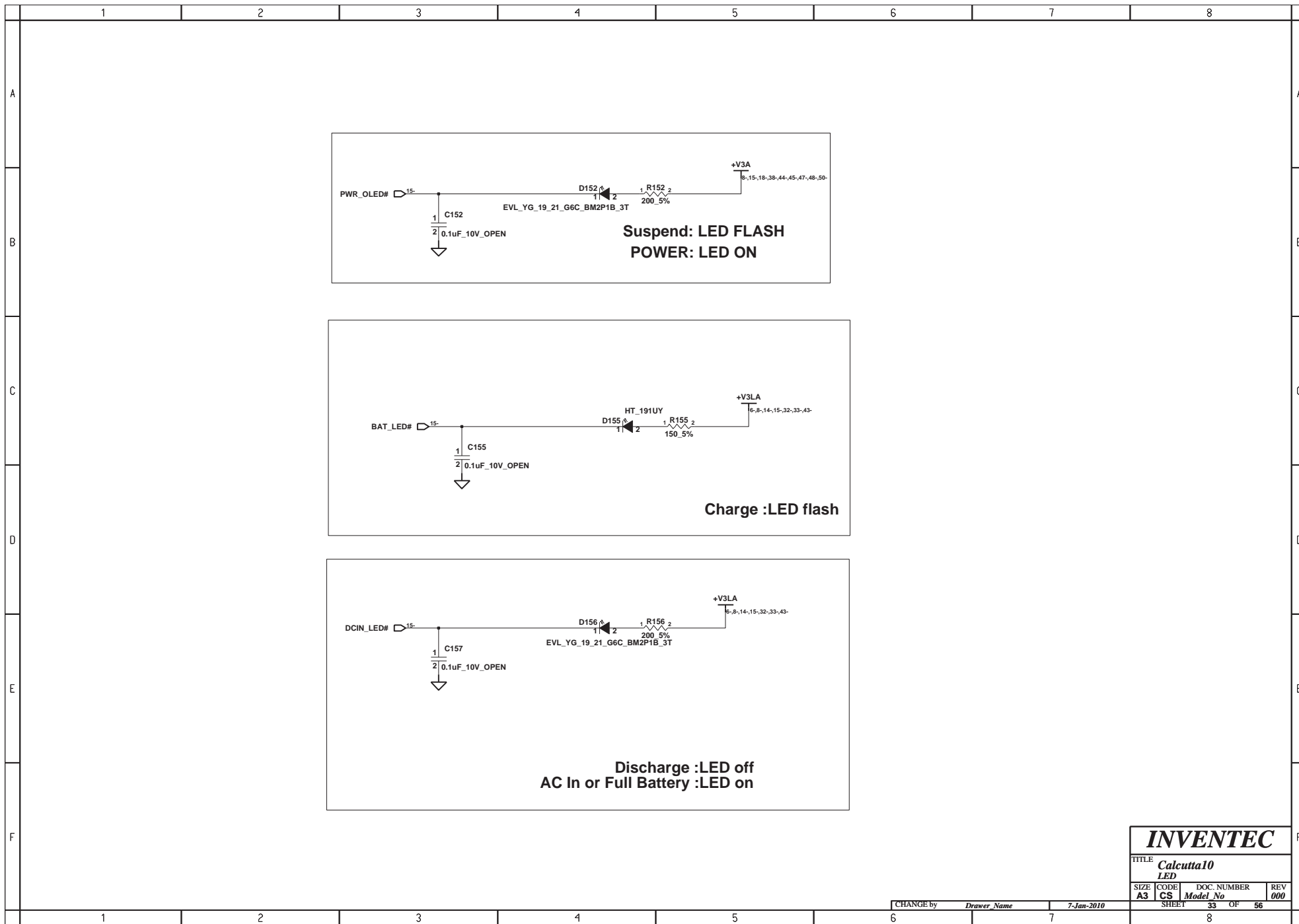
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INVENTEC			
TITLE <i>Calcutta10</i>			
3G			
SIZE A3	CODE CS	DOC. NUMBER <i>Model No</i>	REV 000
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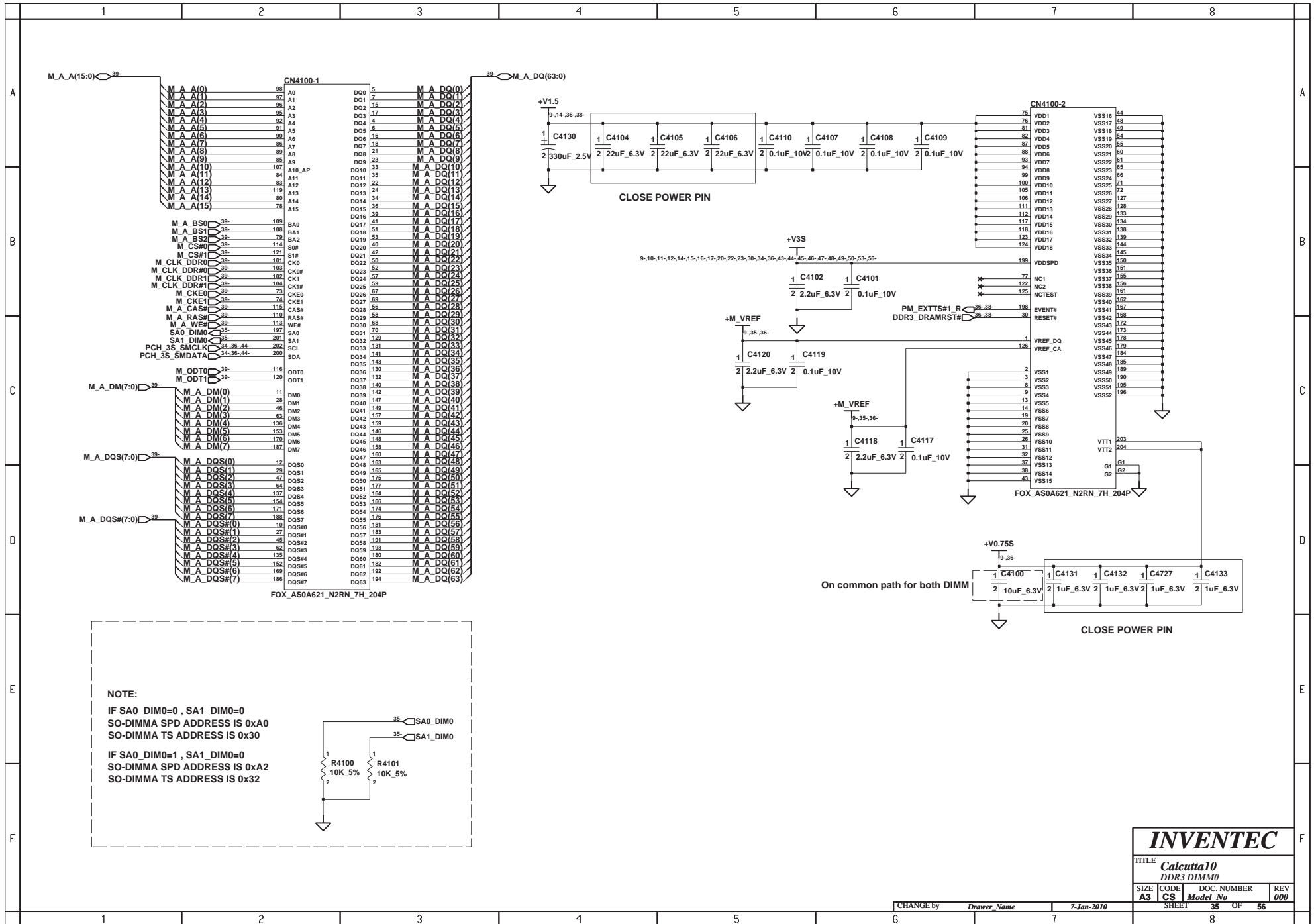
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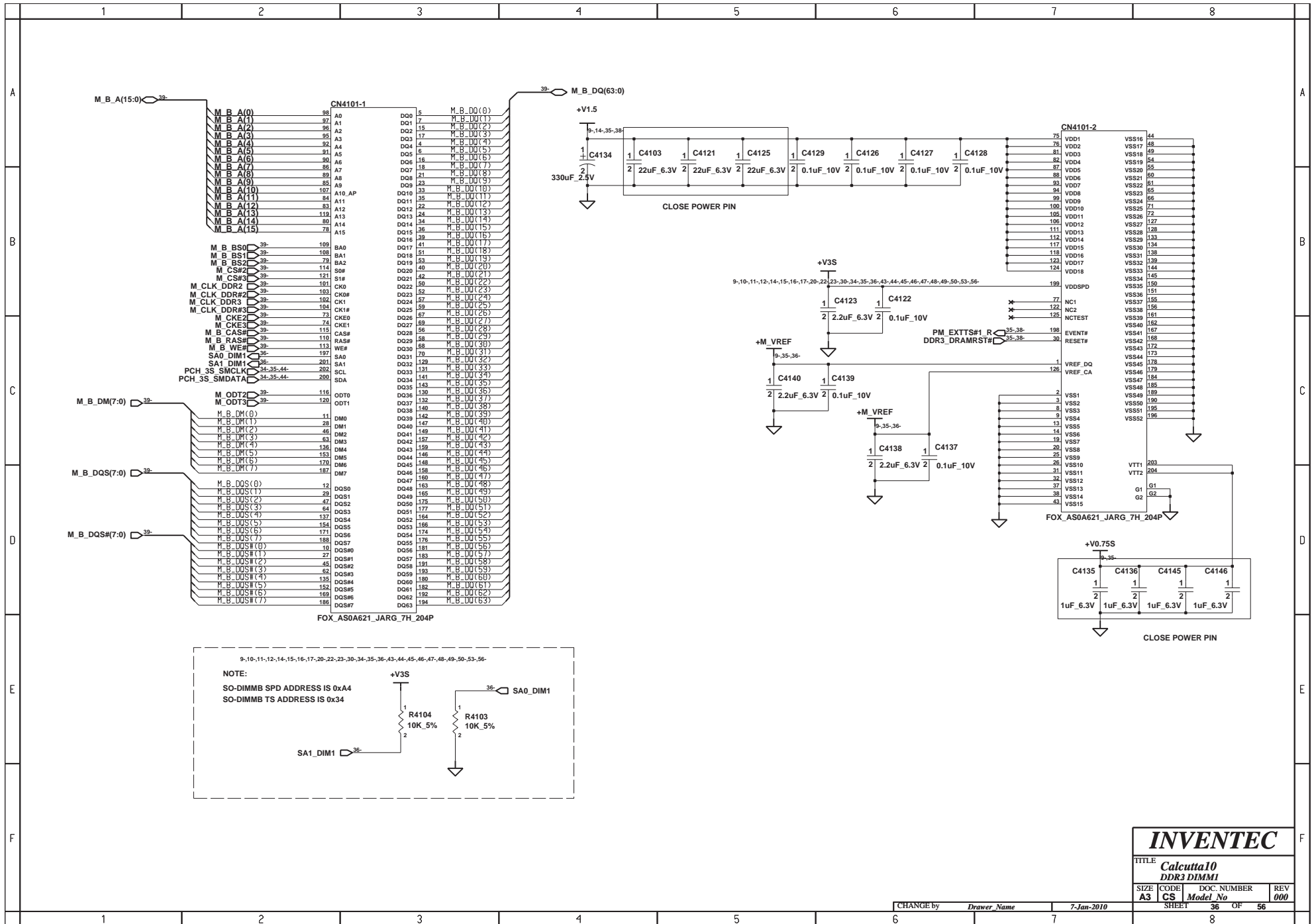




INVENTEC			
TITLE Calcutta10 LED			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV 000
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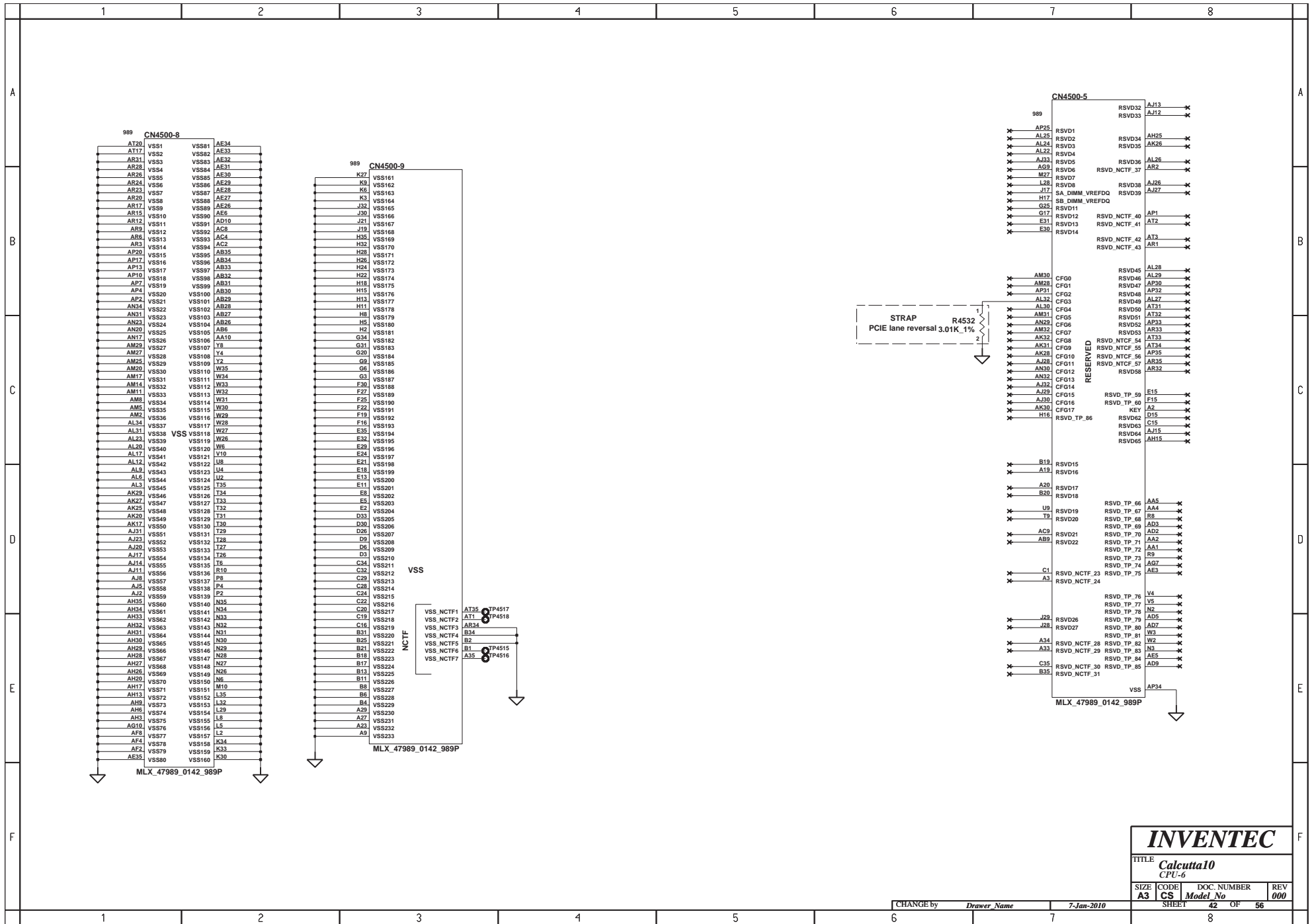
CHANGE by	Drawer Name	7-Jan-2010
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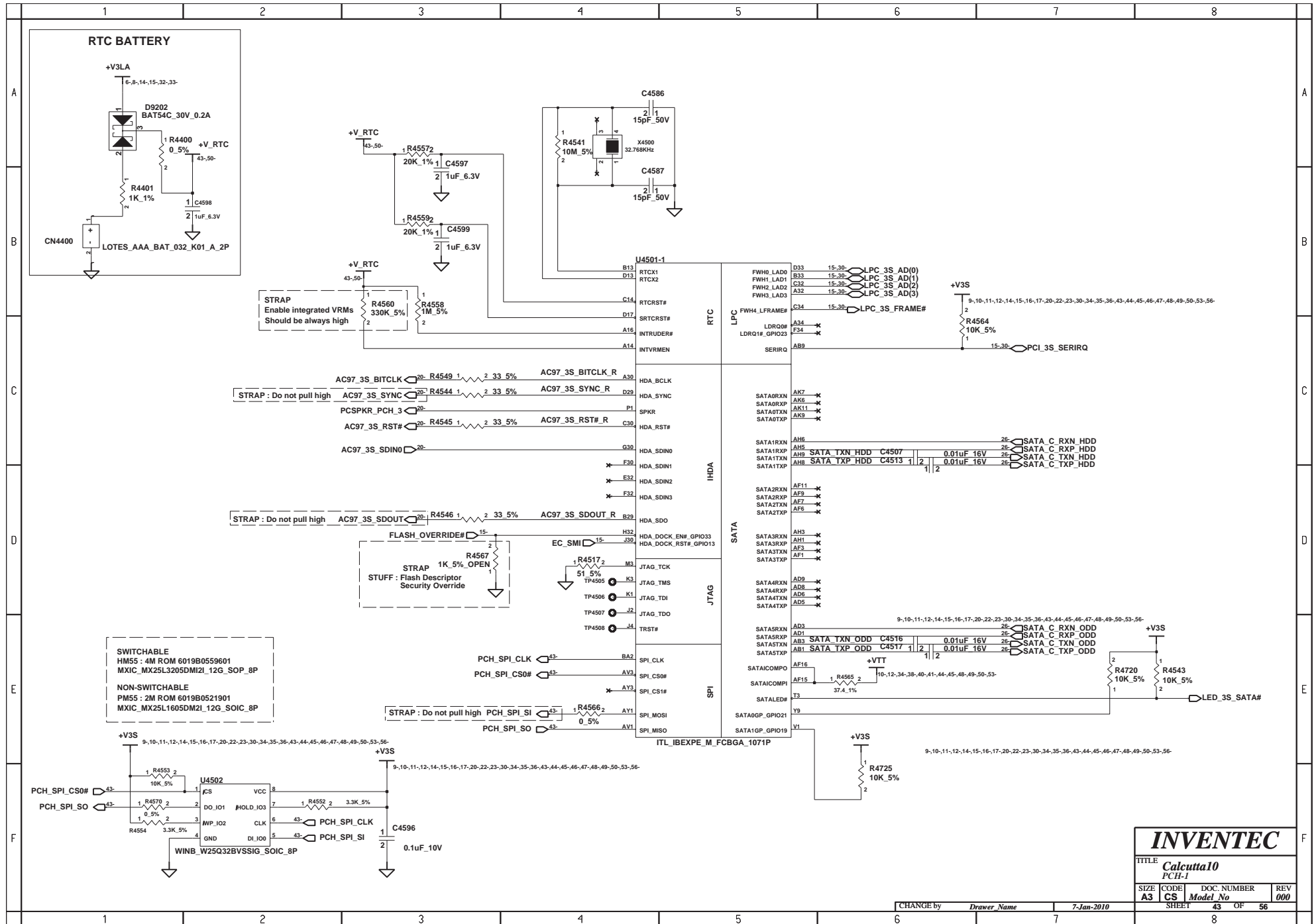




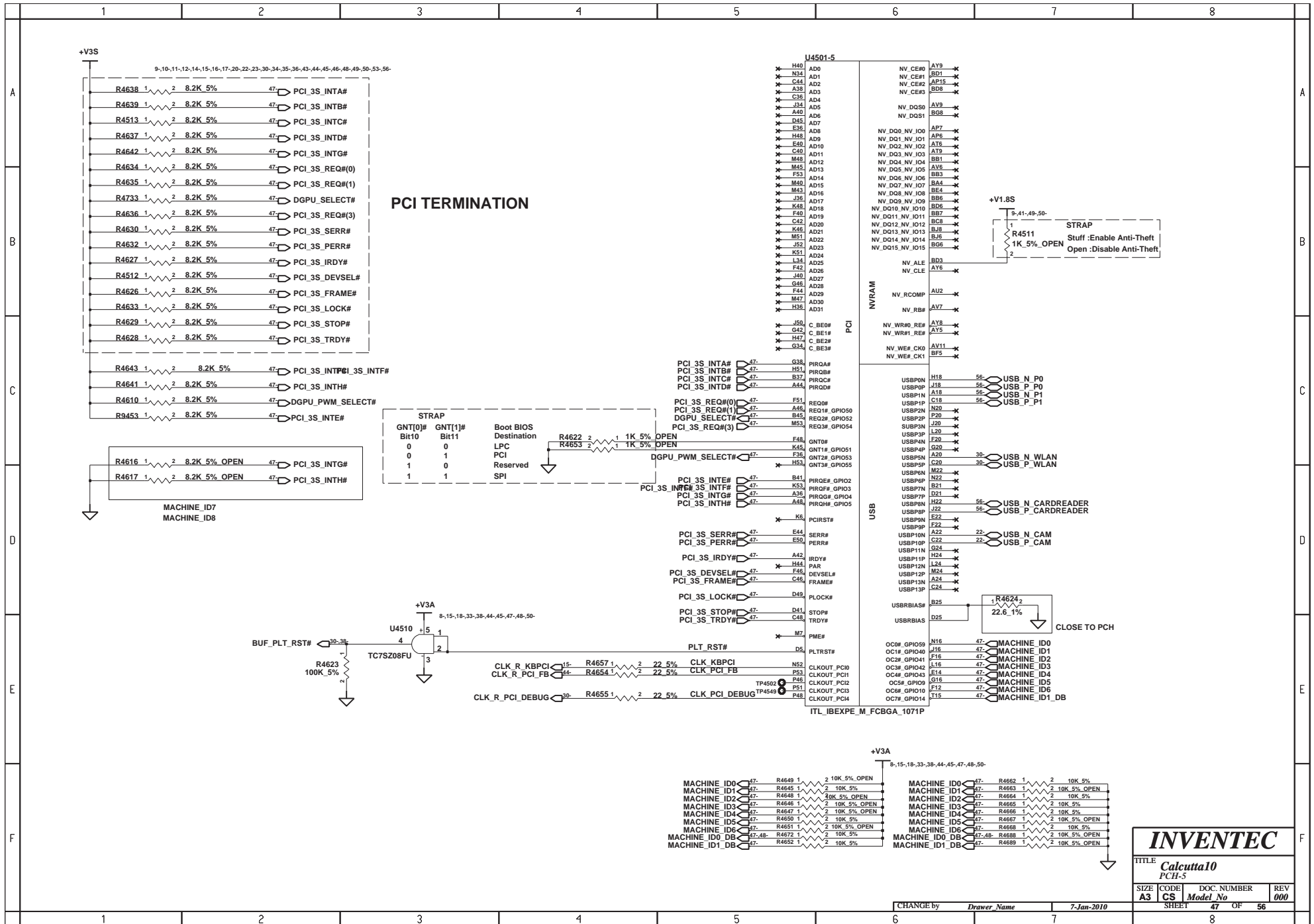


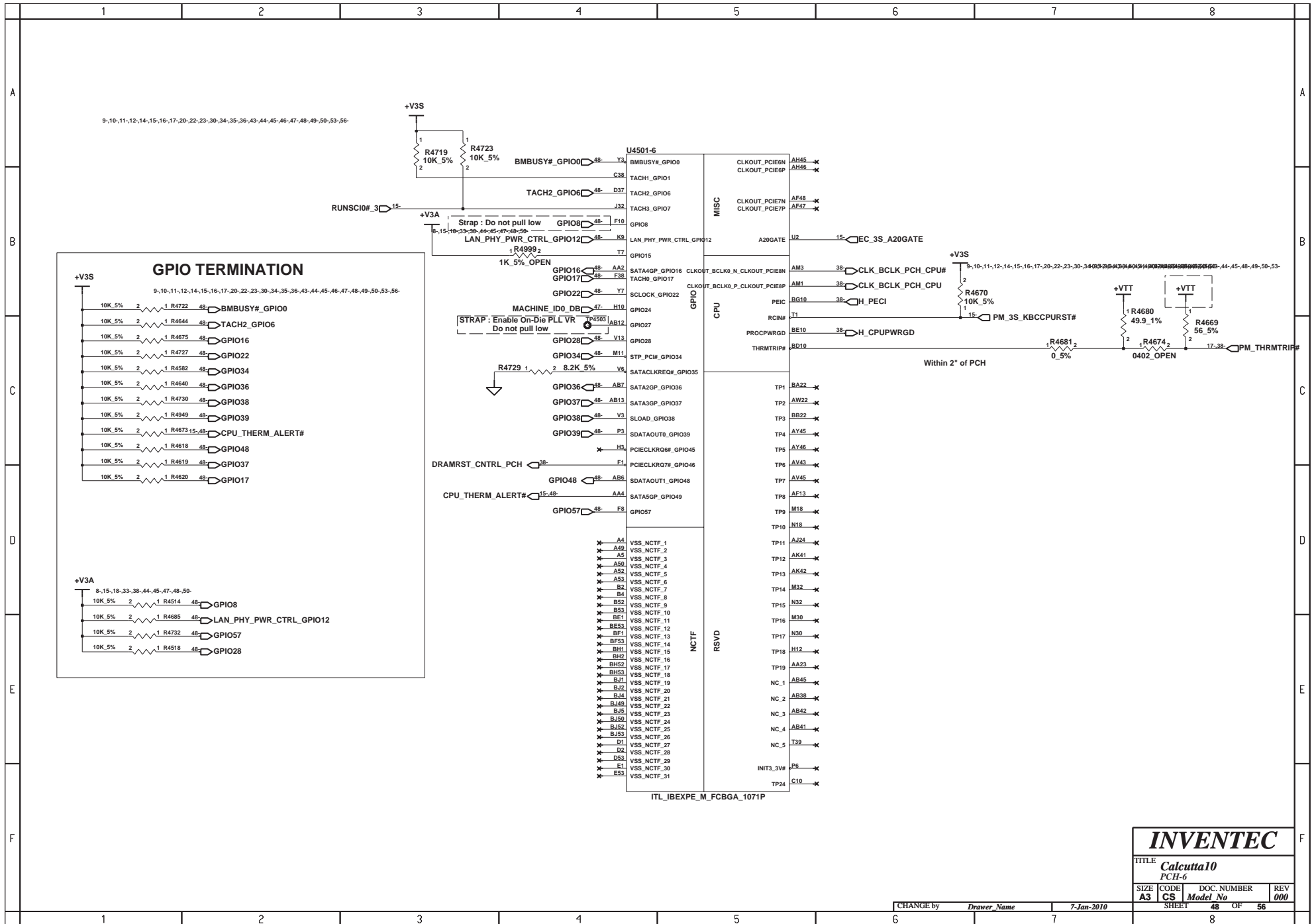






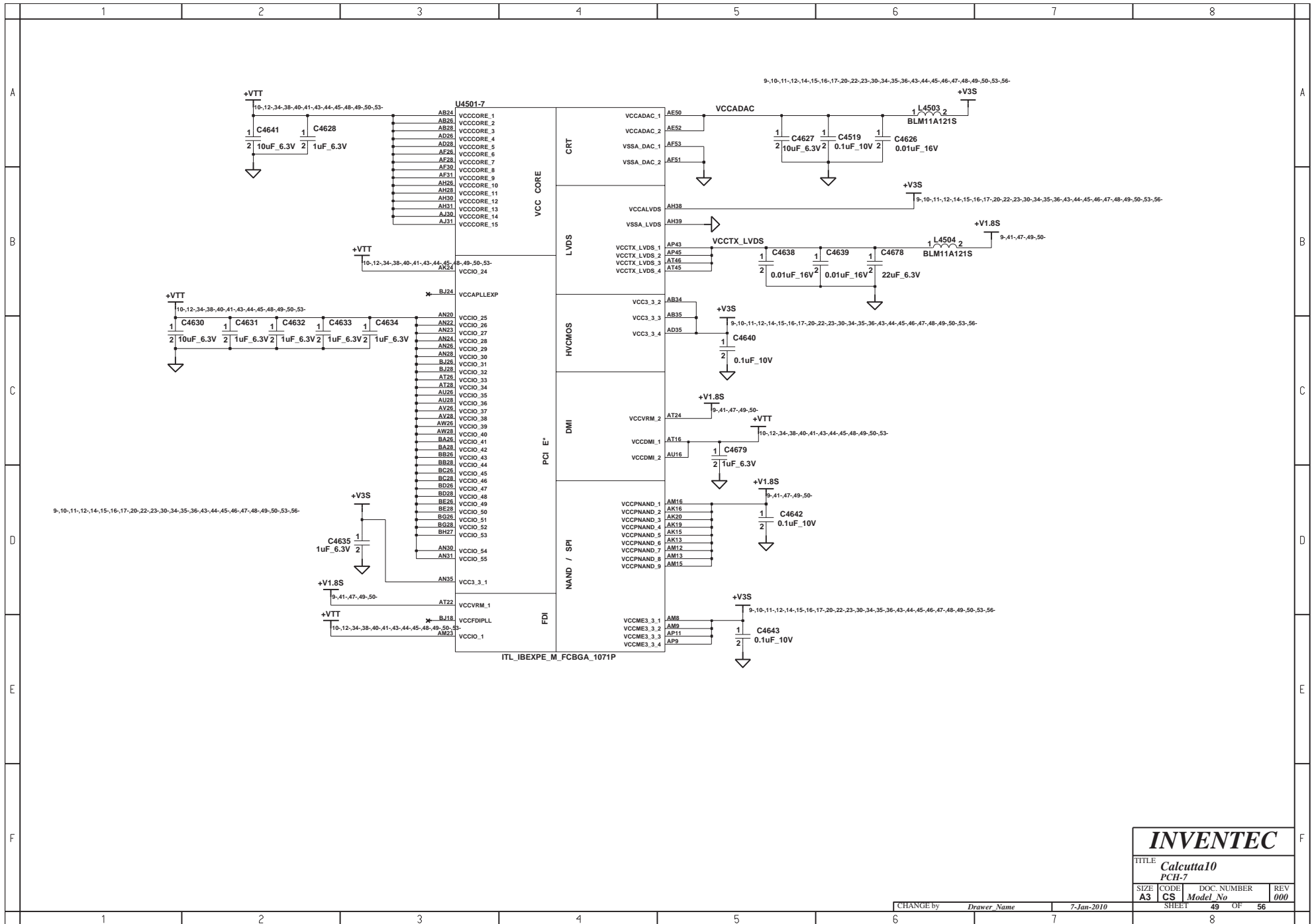






INVENTEC			
TITLE			
Calcutta10			
PCH-6			
SIZE	CODE	DOC. NUMBER	REV
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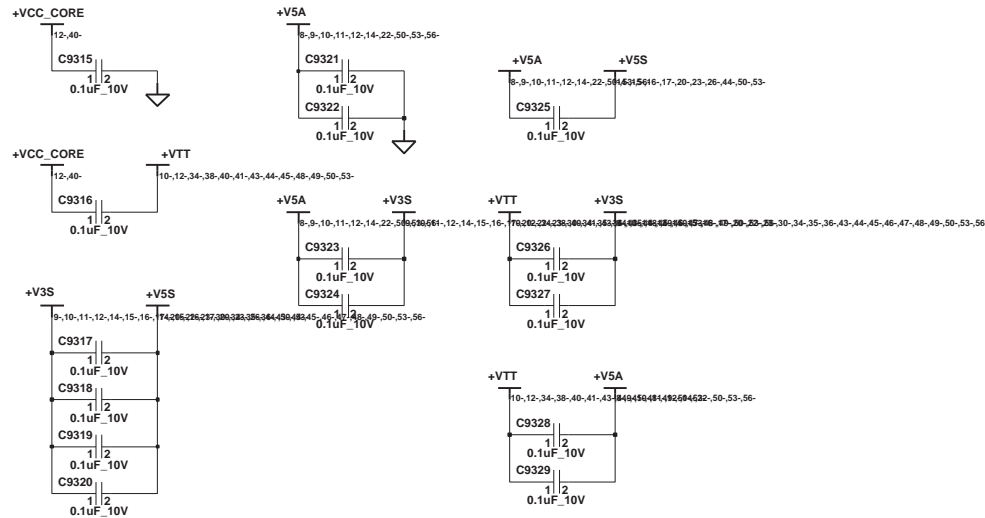


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TITLE			
Calcutta10			
PCH-7			
SIZE	CODE	DOC. NUMBER	REV
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INVENTEC			
<small>TITLE</small> <i>Calcutta10</i> 3D SENSOR			
<small>SIZE</small> A3	<small>CODE</small> CS	<small>DOC. NUMBER</small> <i>Model No</i>	<small>REV</small> 000
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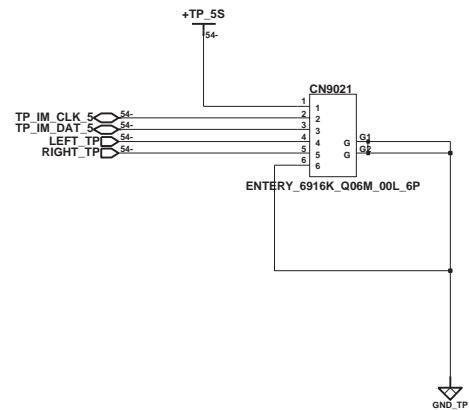
EMI



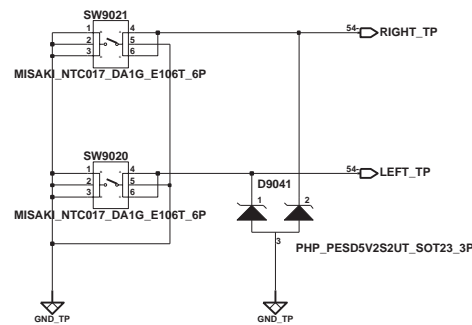
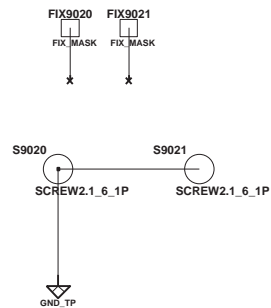
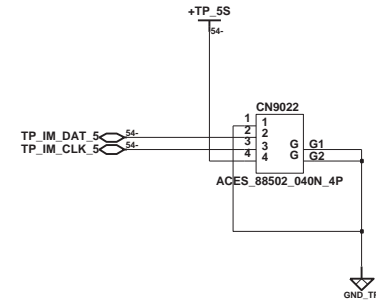
INVENTEC			
TITLE <i>Calcutta10</i> <i>EMI</i>			
SIZE A3	CODE CS	DOC. NUMBER <i>Model No</i>	REV 000
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TOUCH PAD SWITCH BOARD

Connect to Touchpad Module

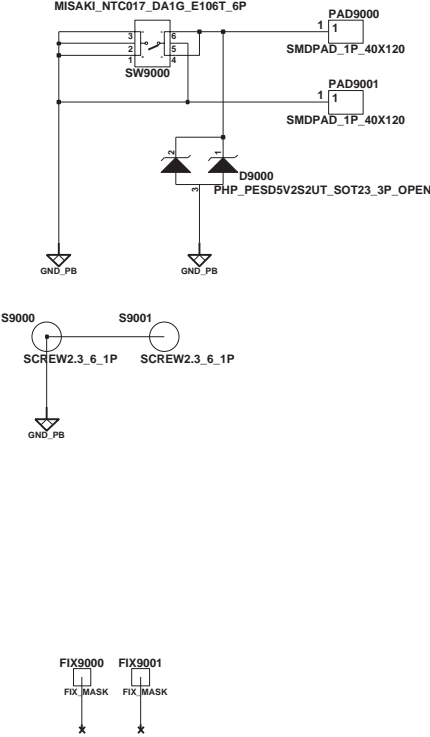


Connect to Mainboard's TP connector



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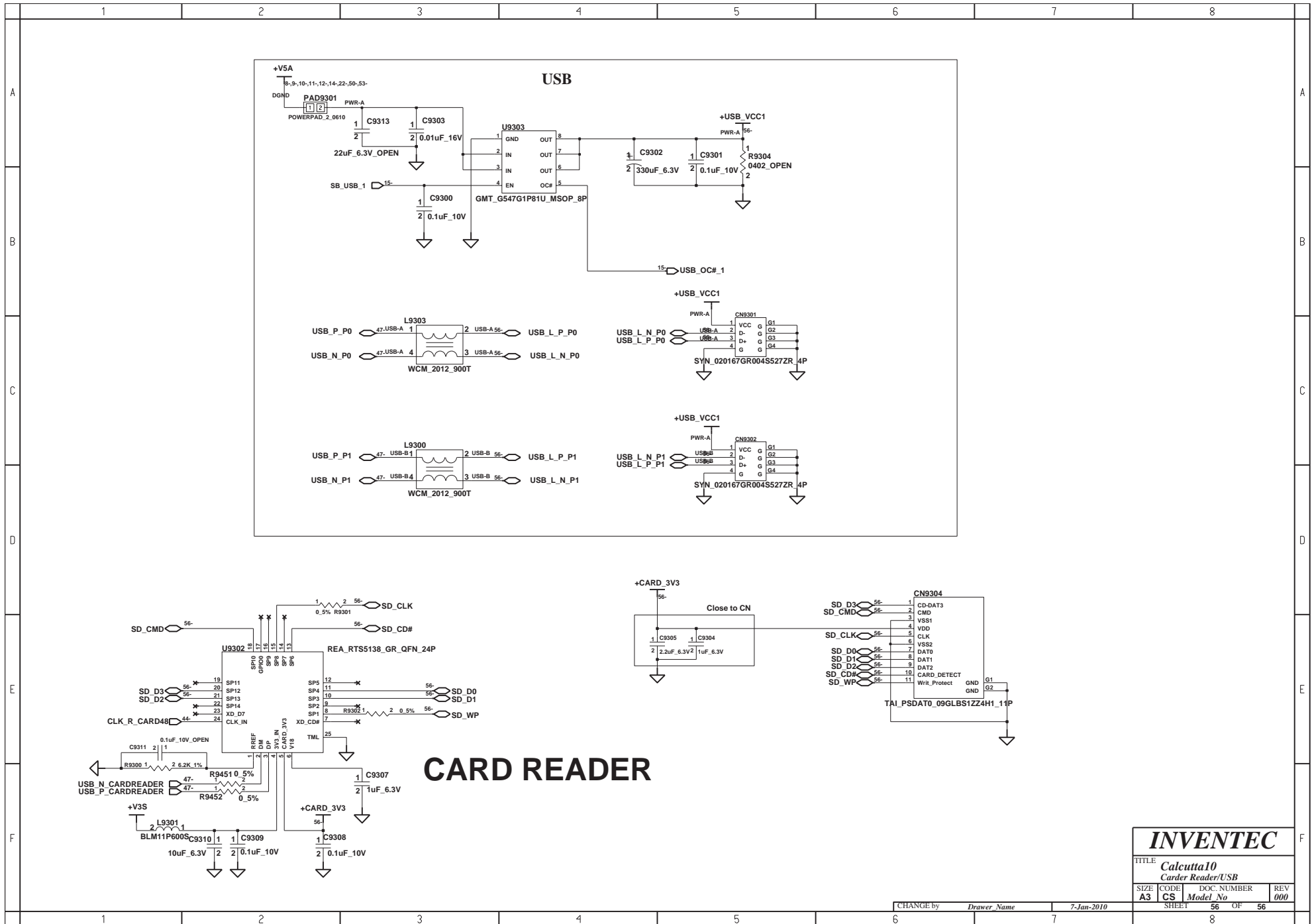
POWER BOARD



INVENTEC

TITLE			
Calcutta10 POWER BOARD			
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CHANGE by Drawer Name 24-Feb-2010



INVENTEC

TITLE
Calcutta10
Carder Reader/USB

SIZE A3	CODE CS	DOC. NUMBER <i>Model No</i>	REV 000
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