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A									A																																																																												
B									B																																																																												
C									C																																																																												
D									D																																																																												
E									E																																																																												
F									F																																																																												
BERLIN 10G M96/M92/Madison/Park MP Build2010.03.18																																																																																					
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DATE	CHANGE NO.	REV																																																																																			
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P/NXXXXXXXXXX					SHEET1 OF 66																																																																																
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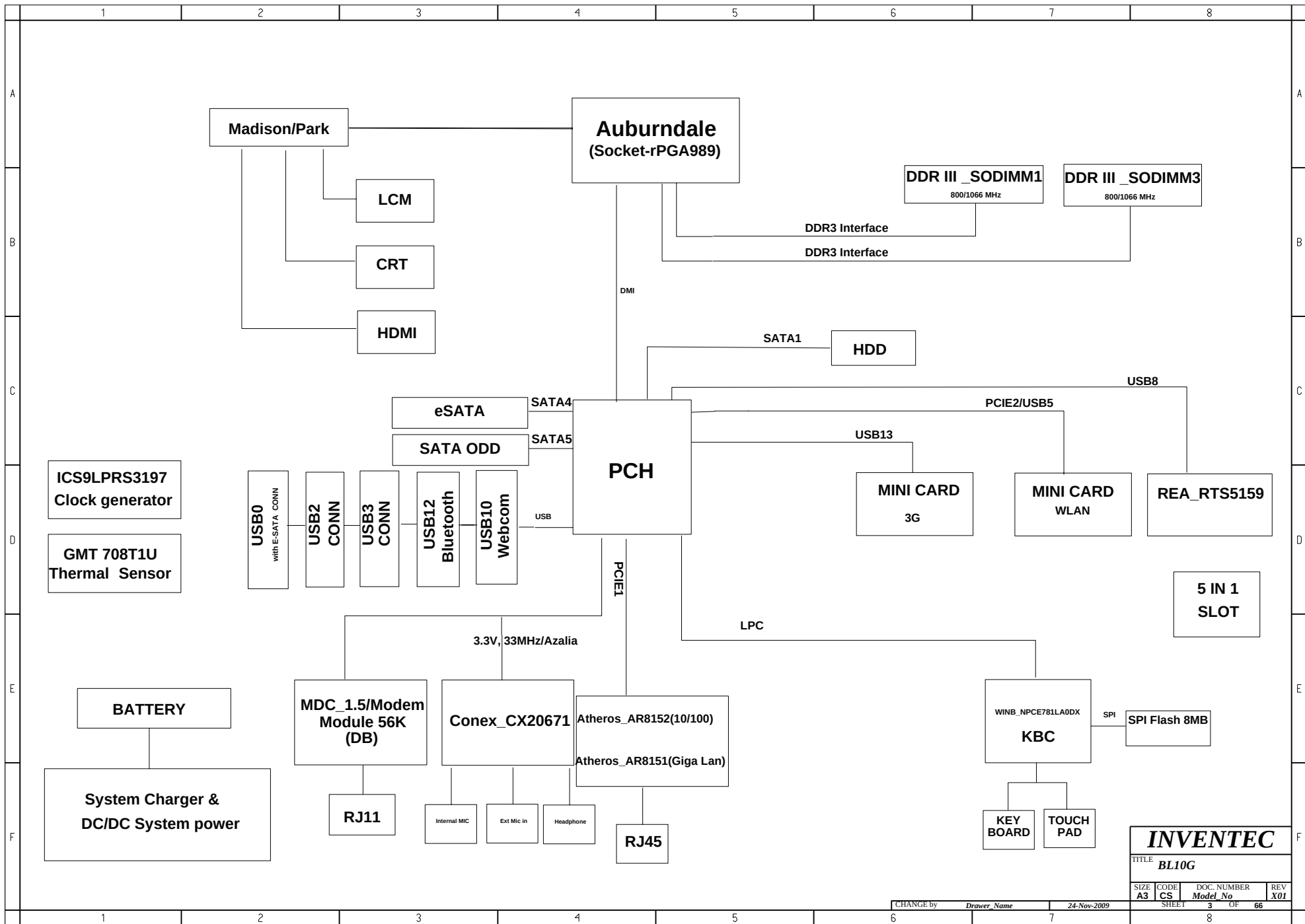
55. CARDREADER & USB BOARD
56. EMI
57. GPU-1
58. GPU-2
59. GPU-3
60. GPU-4
61. GPU-5
62. GPU-6
63. VRAM_DDR3
64. VRAM_DDR3
65. VRAM_DDR3
66. VRAM_DDR3

INVENTEC

TITLE
BL10G

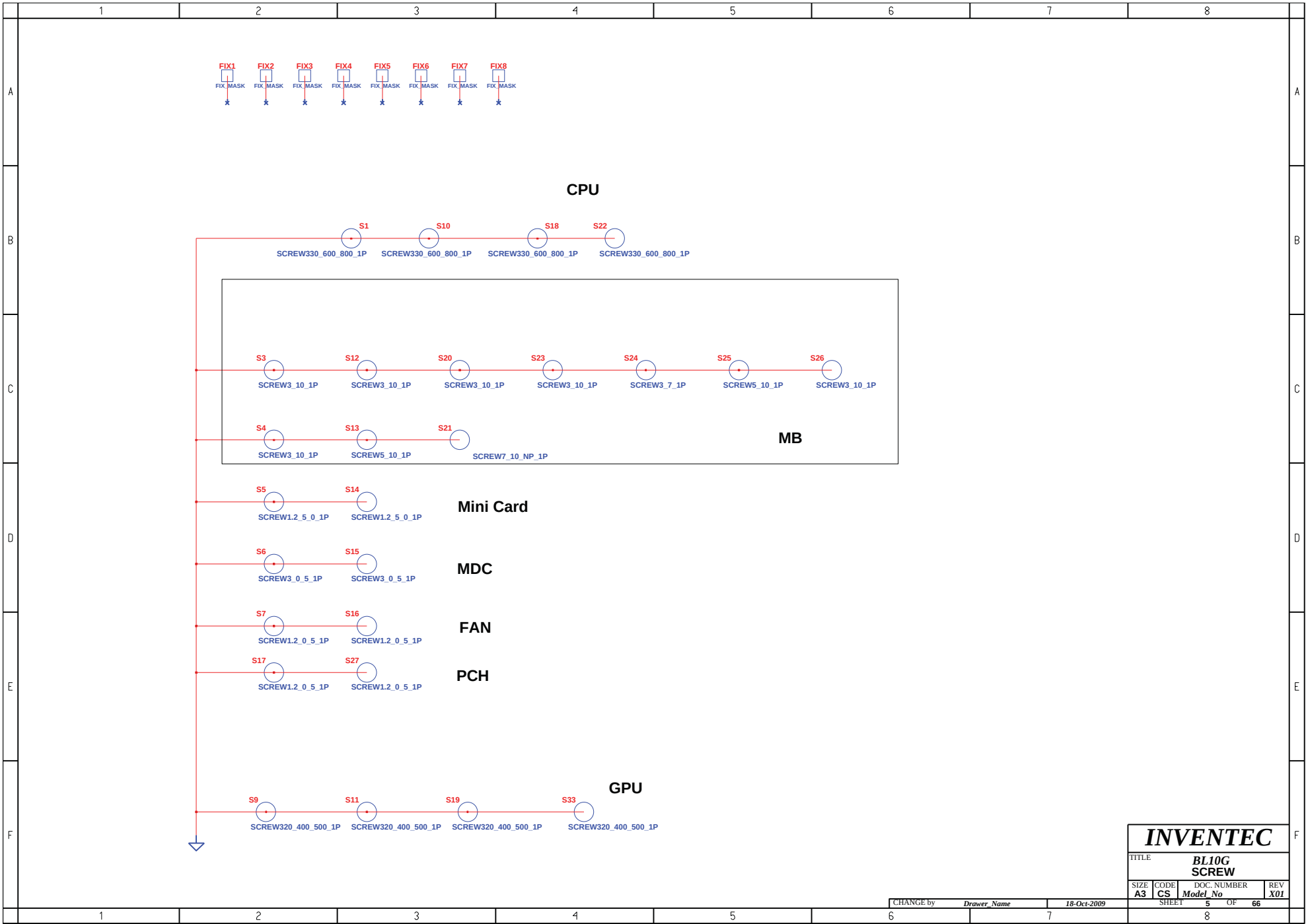
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CHANGE by *Drawn Name* 18-Oct-2009



INVENTEC			
TITLE BL10G			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV X01
CHANGE by Drawer Name		24-Nov-2009	
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	1	2	3	4	5	6	7	8	
A	Need to update power map.								A
B									B
C									C
D									D
E									E
F	CHANGE by <i>Drawer Name</i> 23-Nov-2009 SIZE A3 CODE CS DOC. NUMBER Model No REV X01 TITLE BL10G SHEET 4 OF 66								F
	1	2	3	4	5	6	7	8	



INVENTEC

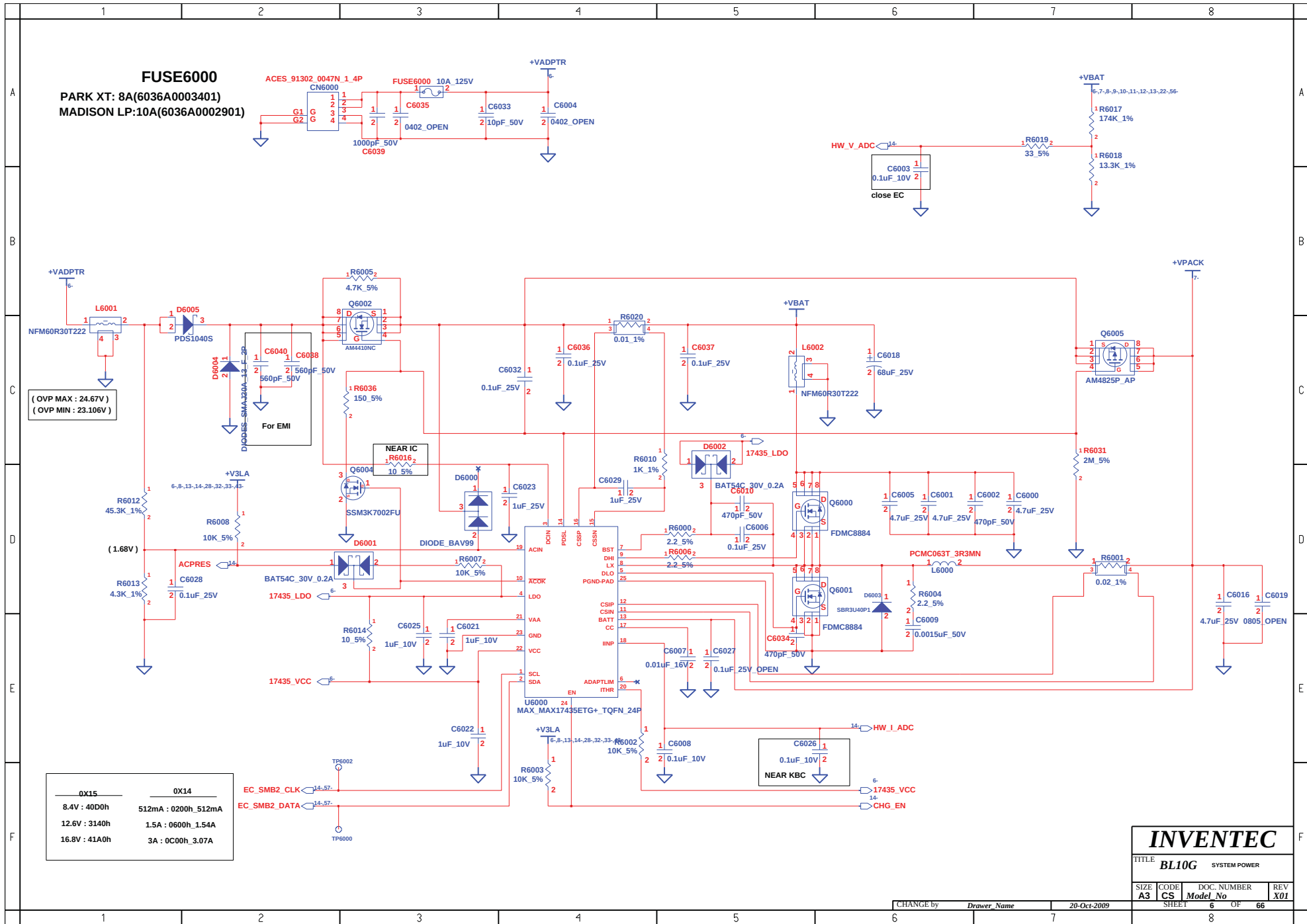
TITLE **BL10G SCREW**

SIZE A3	CODE CS	DOC. NUMBER <i>Model No</i>	REV X01
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CHANGE by *Drawer Name* 18-Oct-2009

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8



INVENTEC

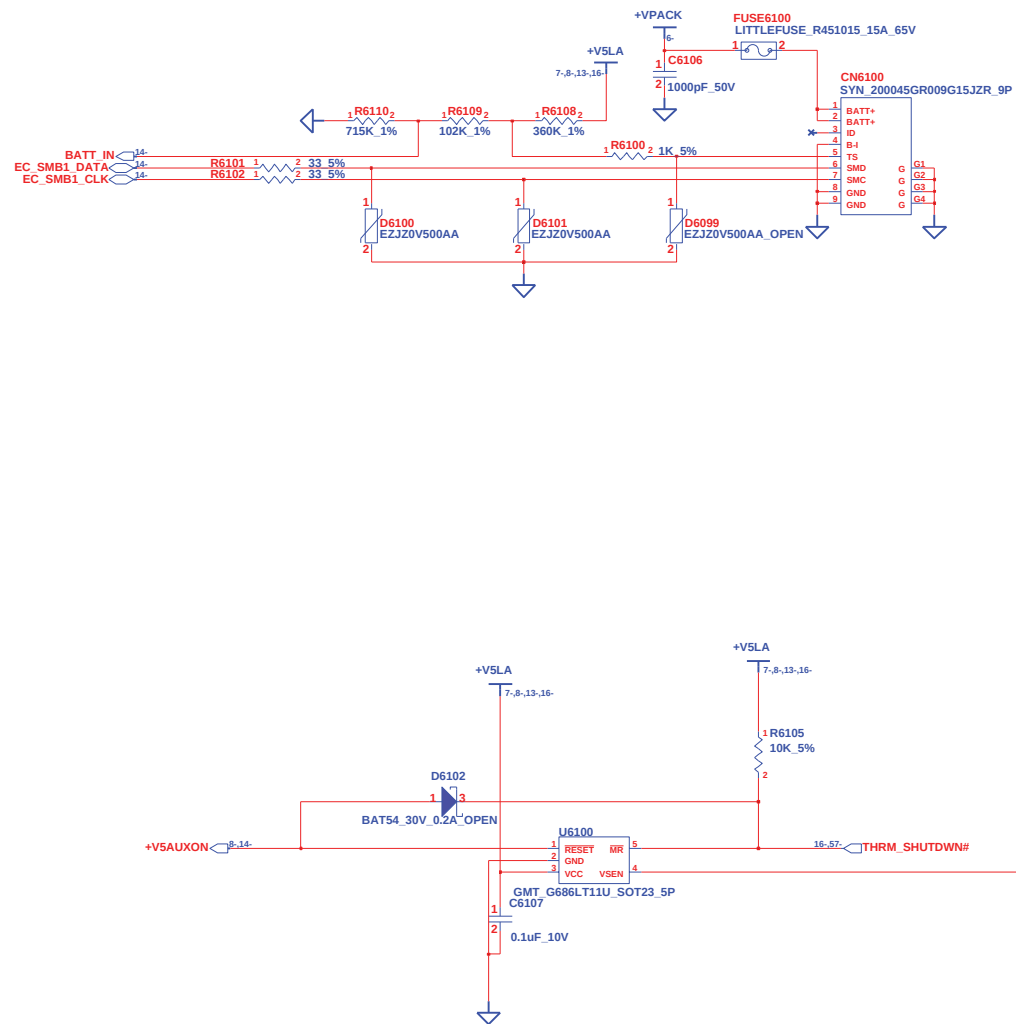
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SIZE CODE CS DOC. NUMBER REV

A3 Model No 6 OF 66 X01

CHANGE by Drawer Name 20-Oct-2009

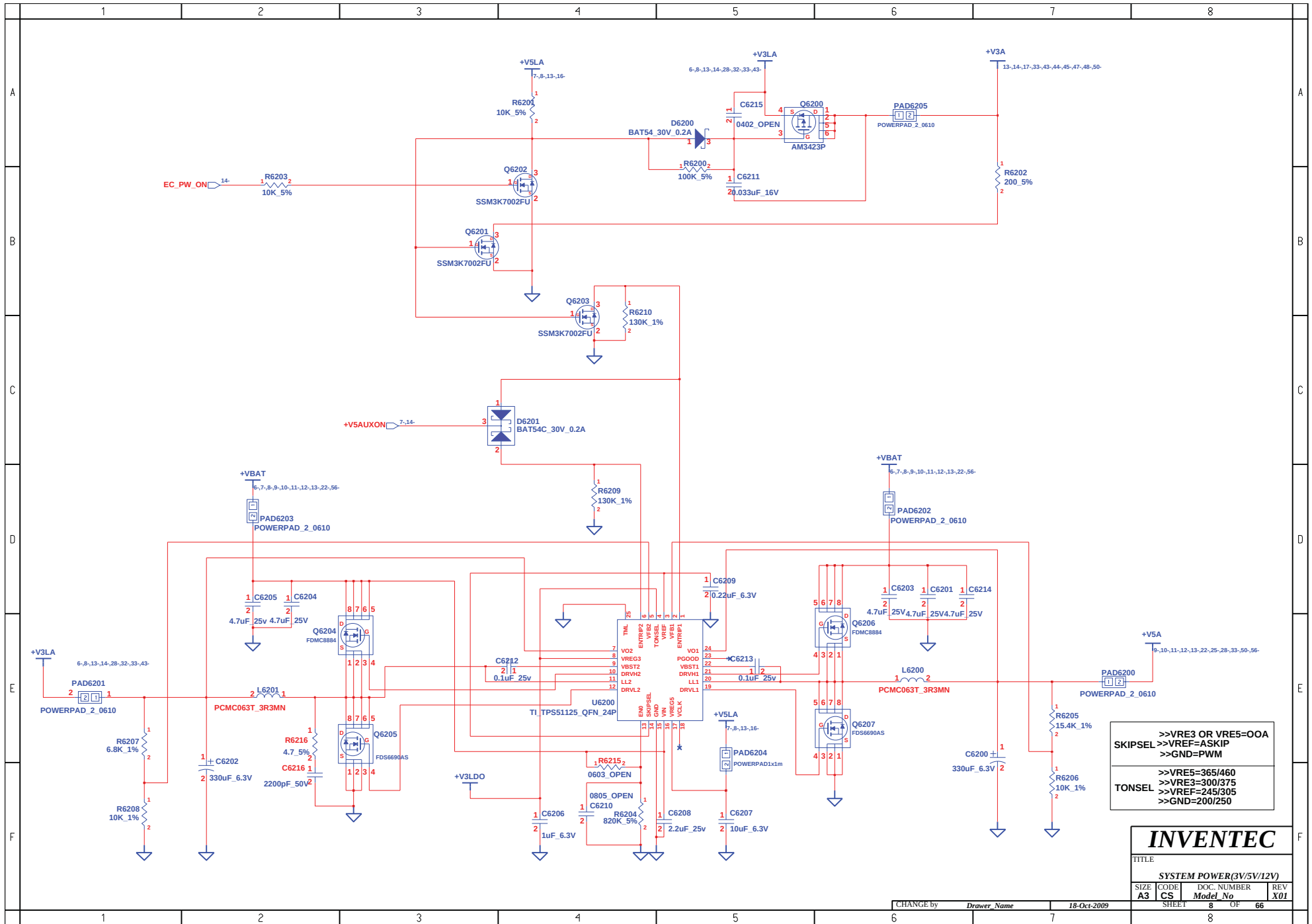
SHEET 6 OF 66

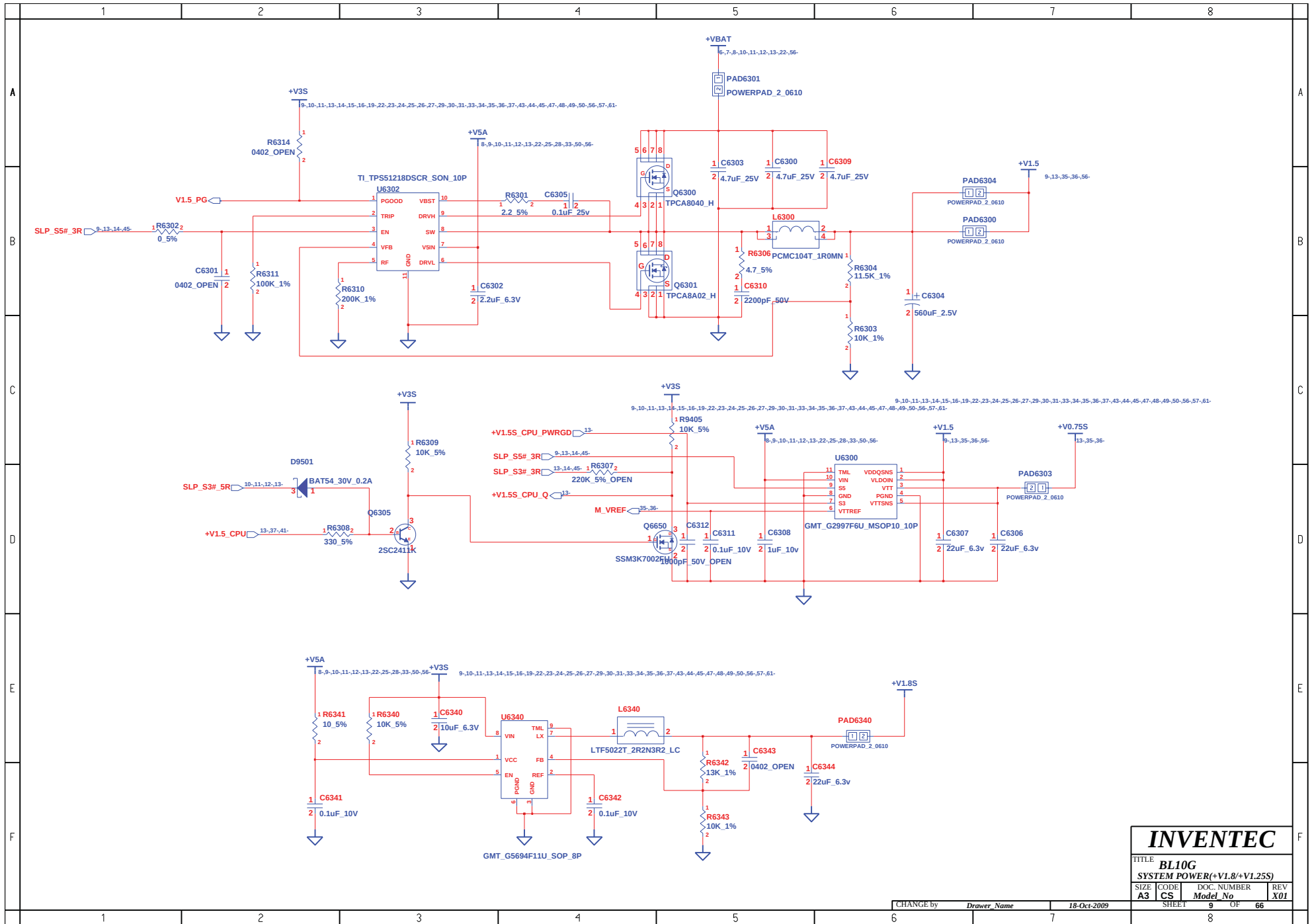


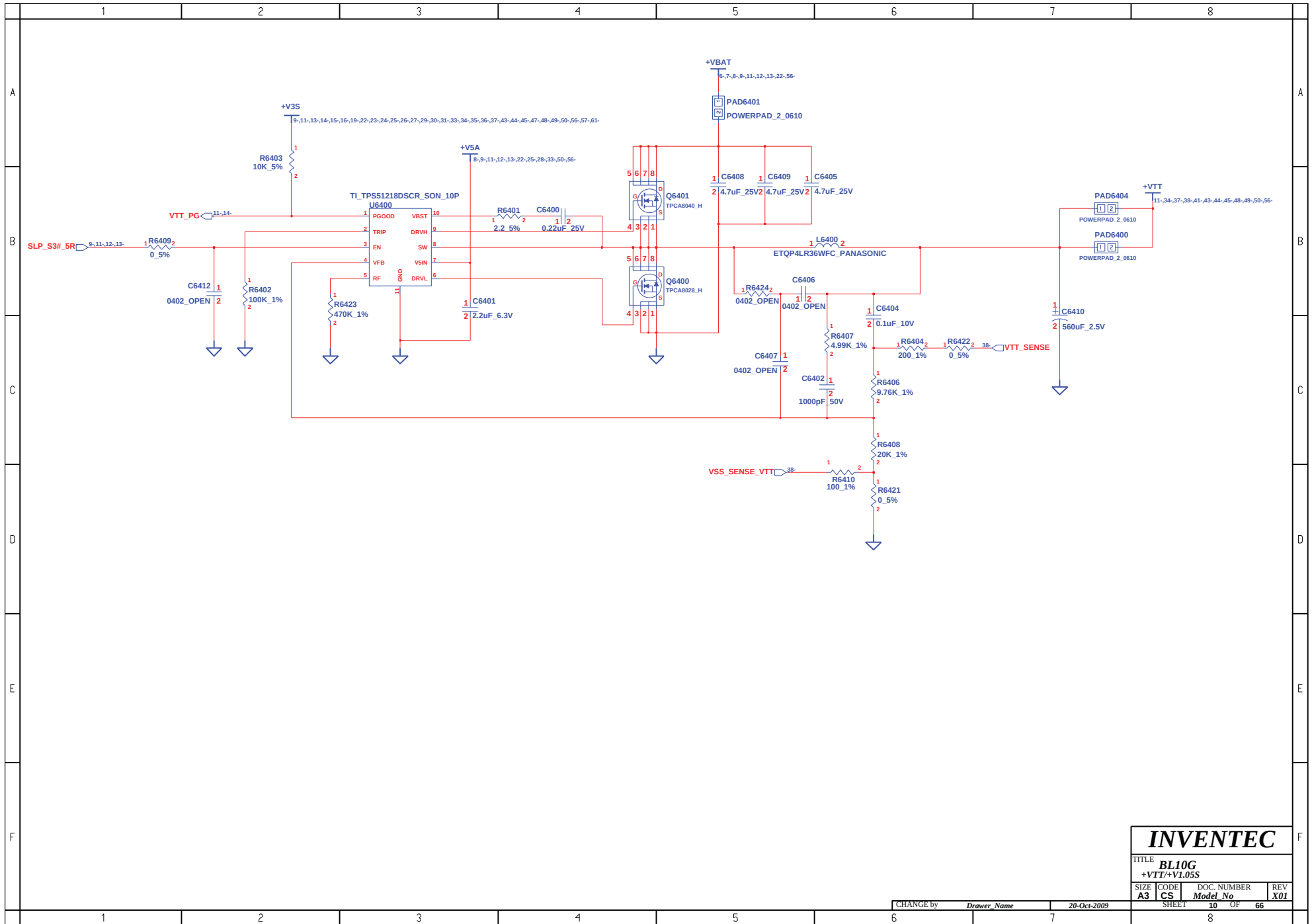
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TITLE			
BL10G			
SELECT & BATTERY CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	X01
SHEET		7	OF 66

CHANGE by *Drawer Name* 18-Oct-2009

8



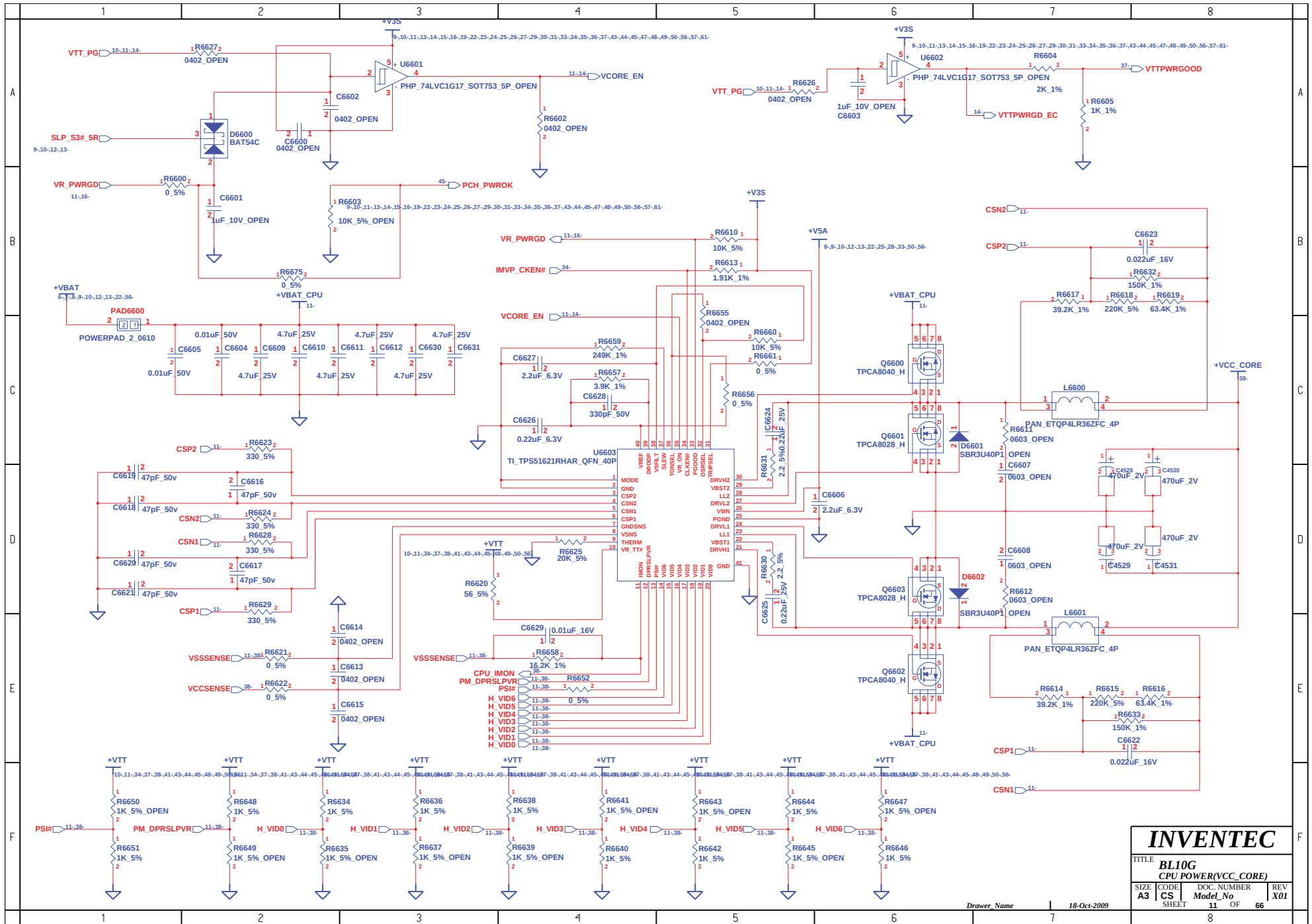


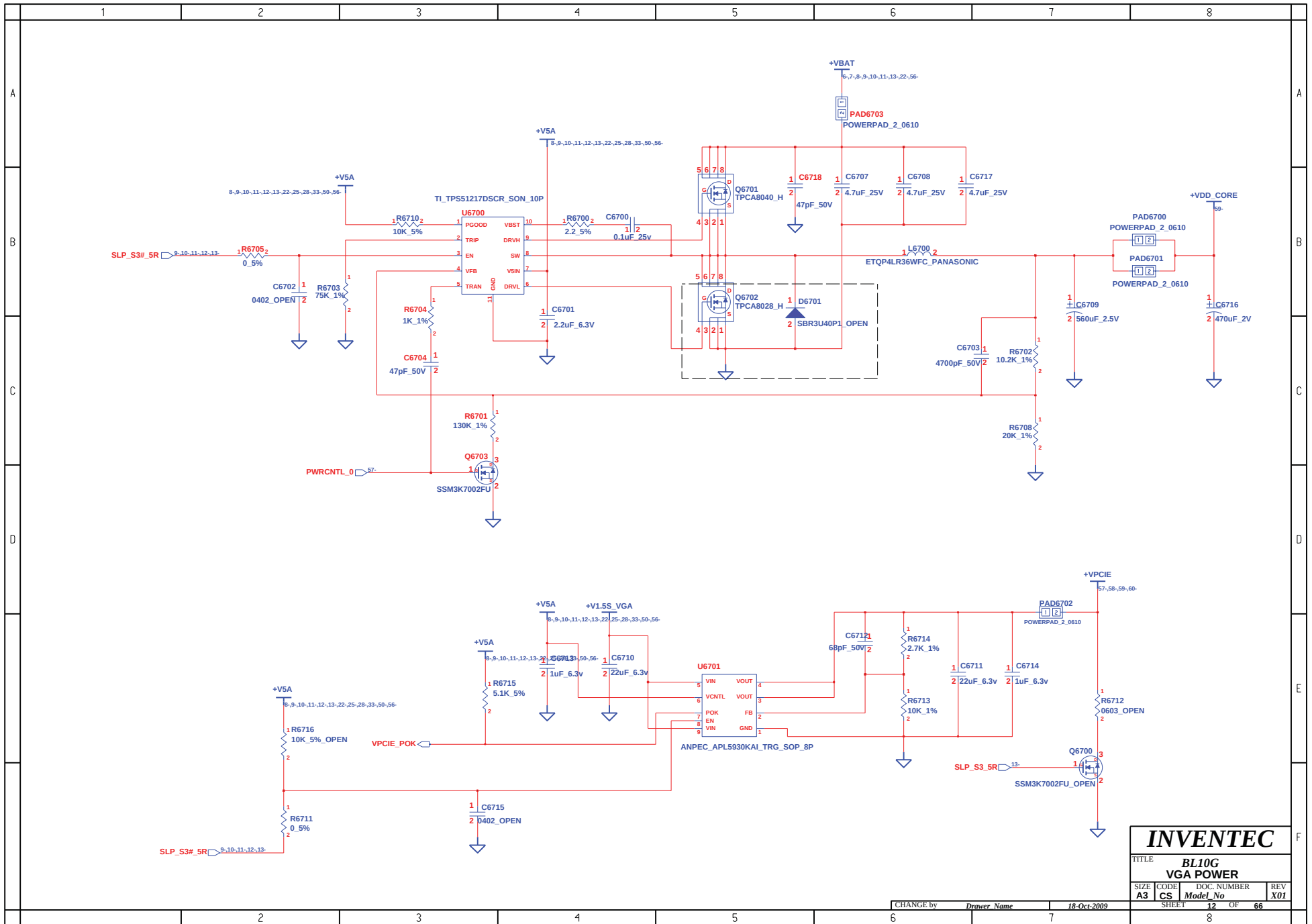


INVENTEC

TITLE			
BL10G			
+VTT/+V1.05S			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	X01
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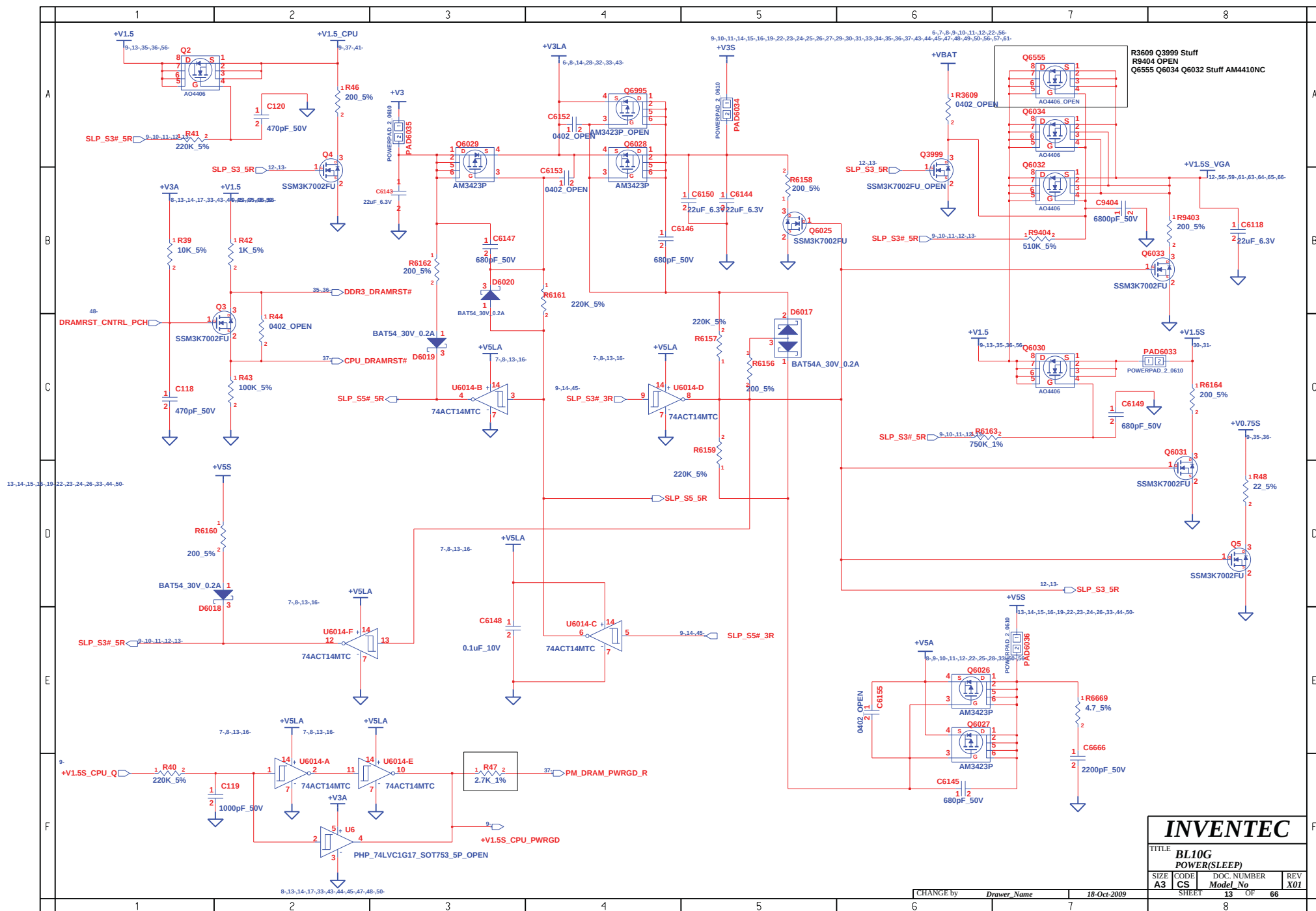
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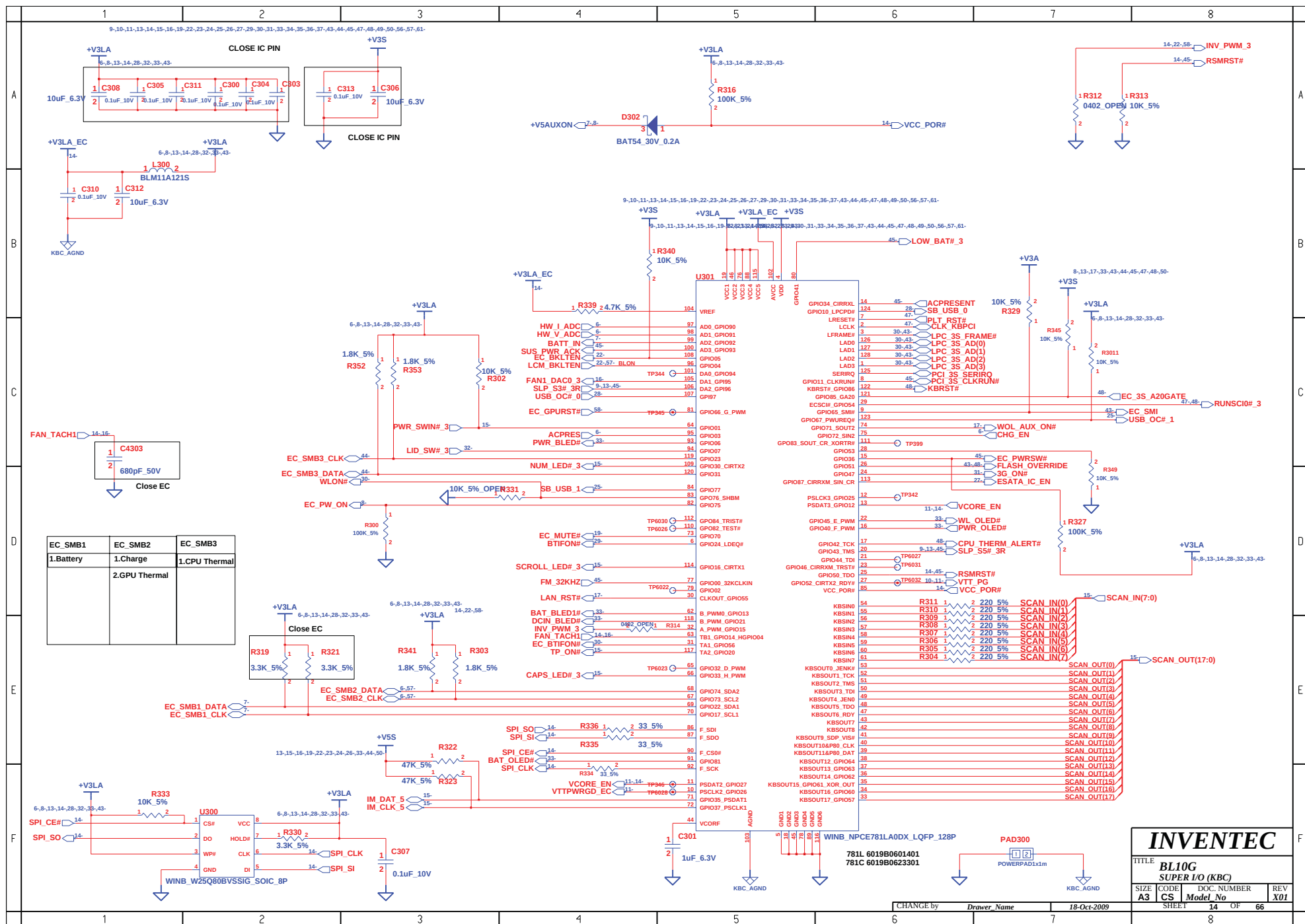


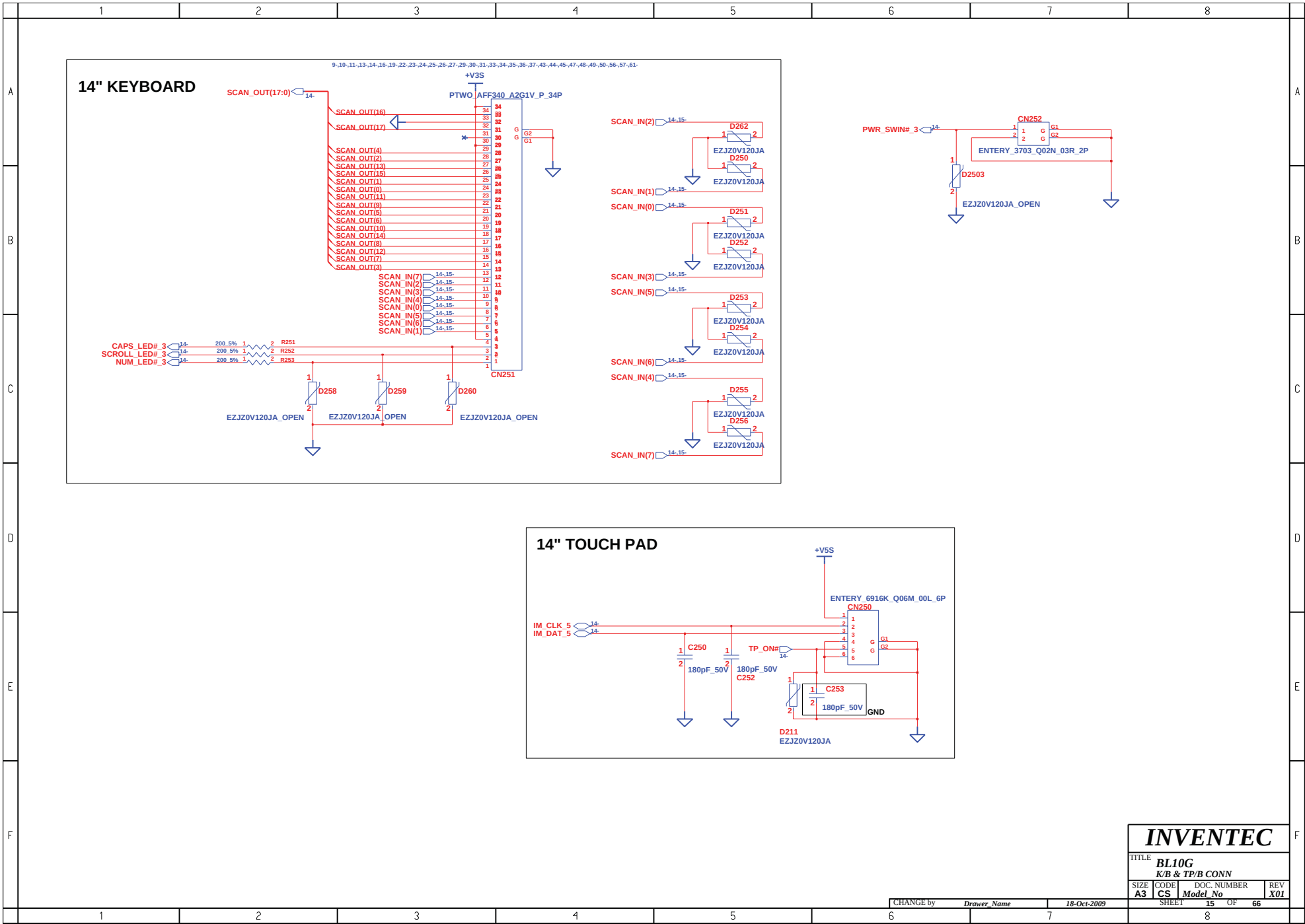


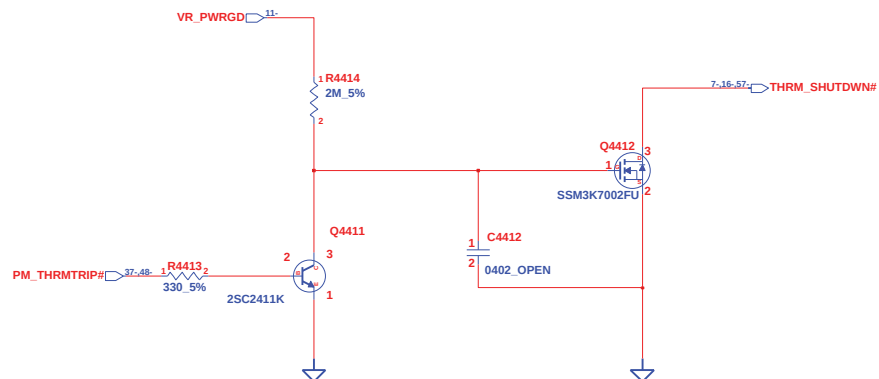
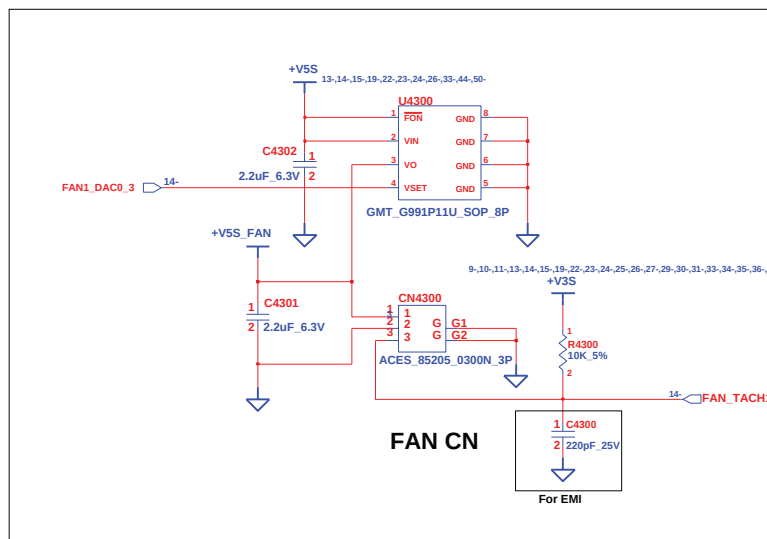
INVENTEC			
TITLE BL10G VGA POWER			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV X01
SHEET 12		OF 66	

CHANGE by *Drawer Name* 18-Oct-2009

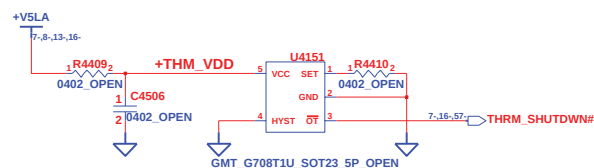








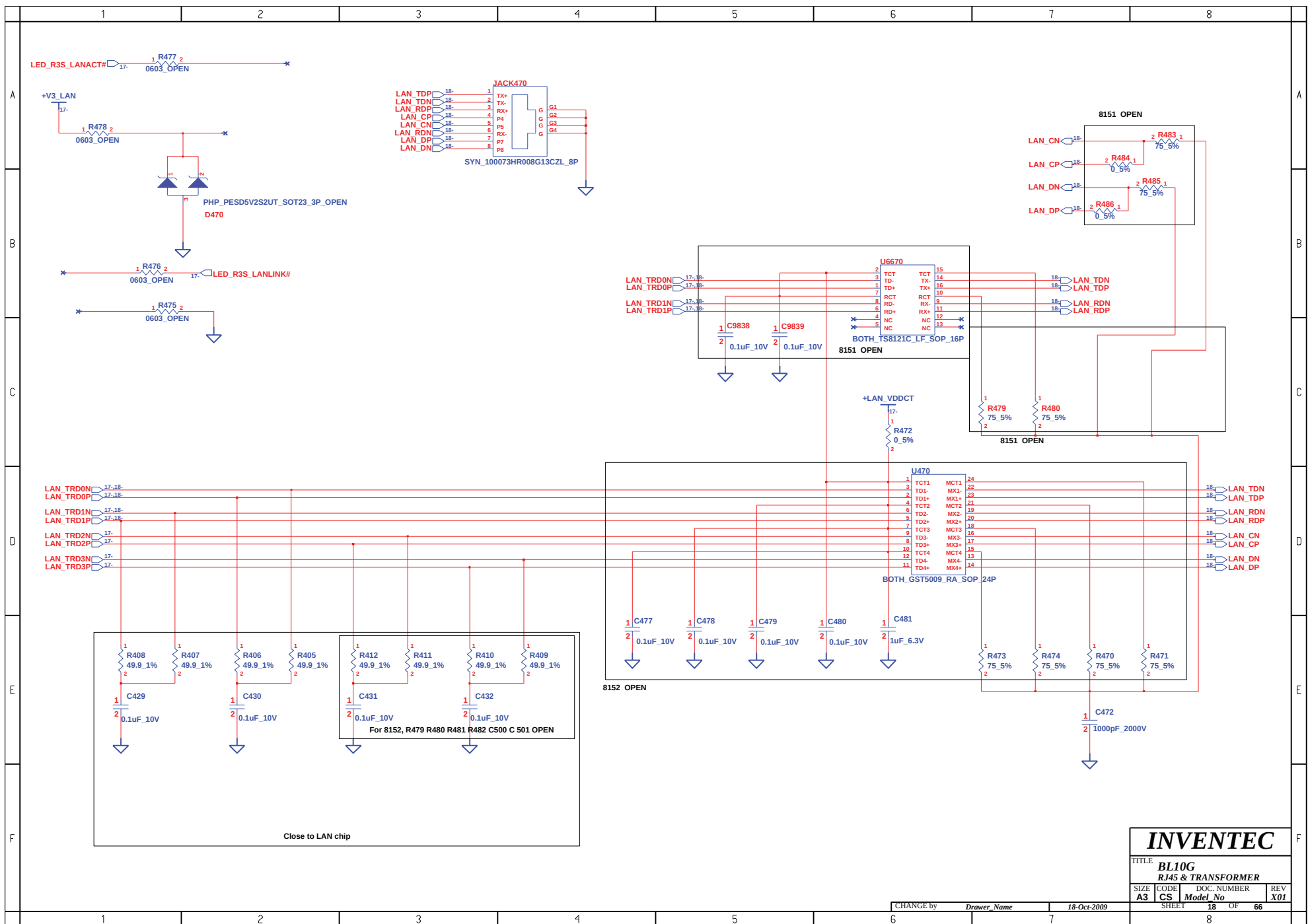
GM Thermal shutdown at 80.8°C +/-3°C from 60°C to 100°C
 PM Thermal shutdown at 86°C +/-3°C from 60°C to 100°C
 $RSET = 0.0012 * T^2 - 0.9308 * T + 96.147$
 Hysteresis is 30C

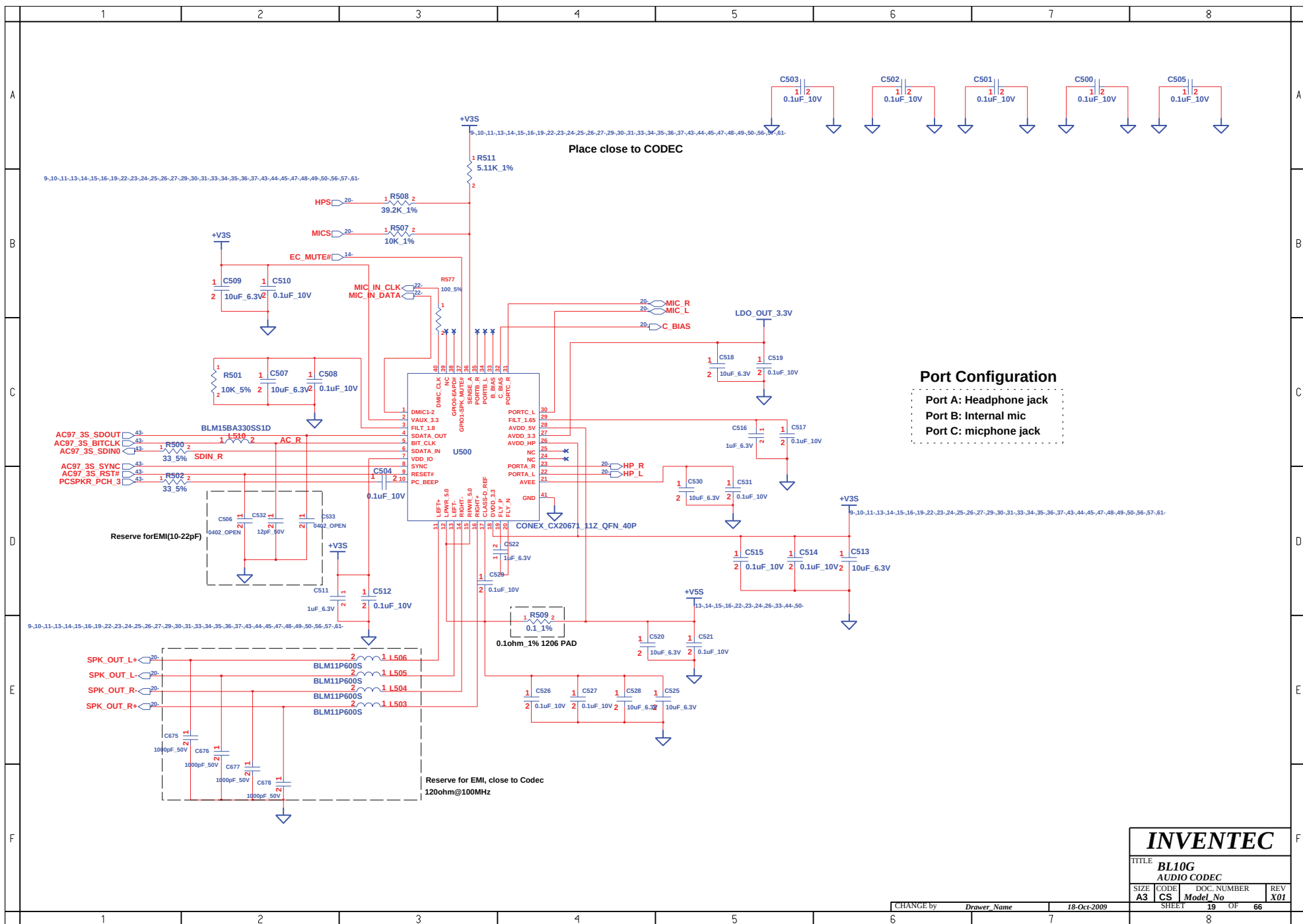


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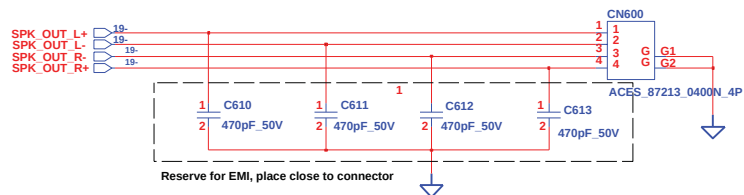
TITLE BL10G FAN, Thermal controller			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV X01
SHEET 16		OF 66	

CHANGE by *Drawer Name* 18-Oct-2009



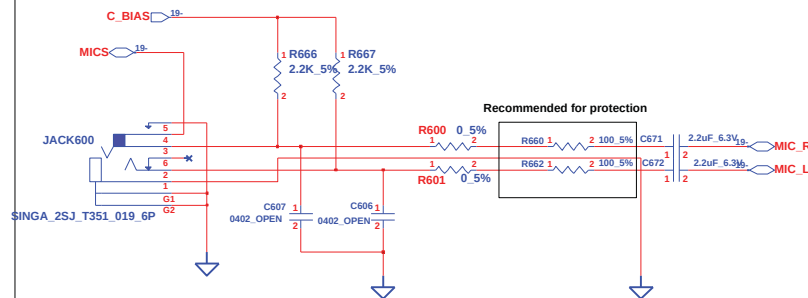


INTERNAL SPEAKERS

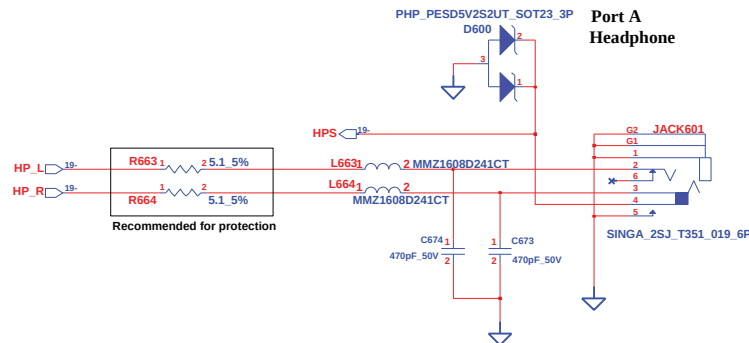


AUDIO JACKS

Port C External microphone



Port A Headphone

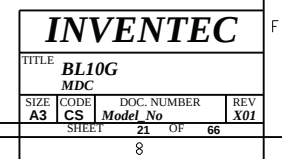


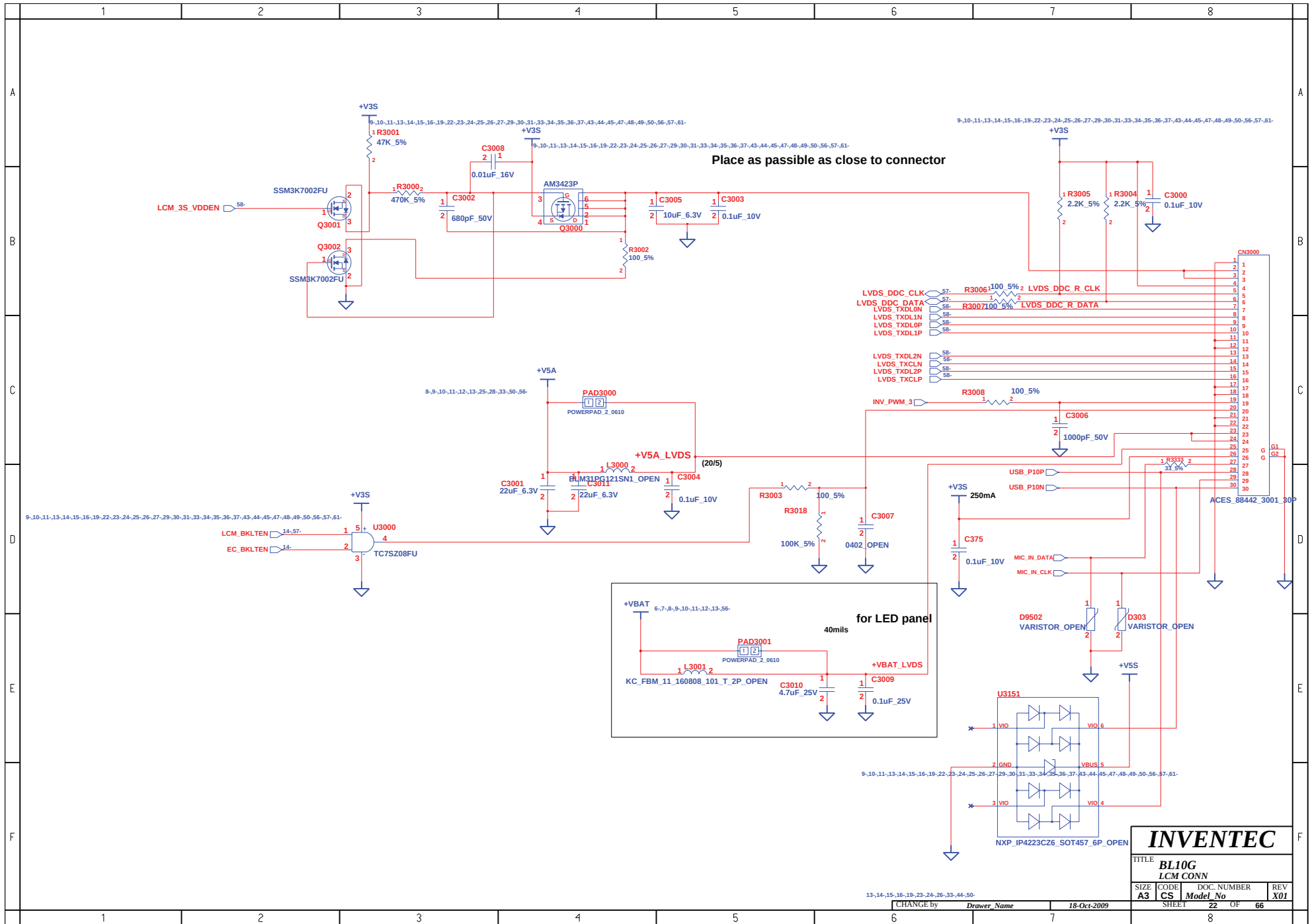
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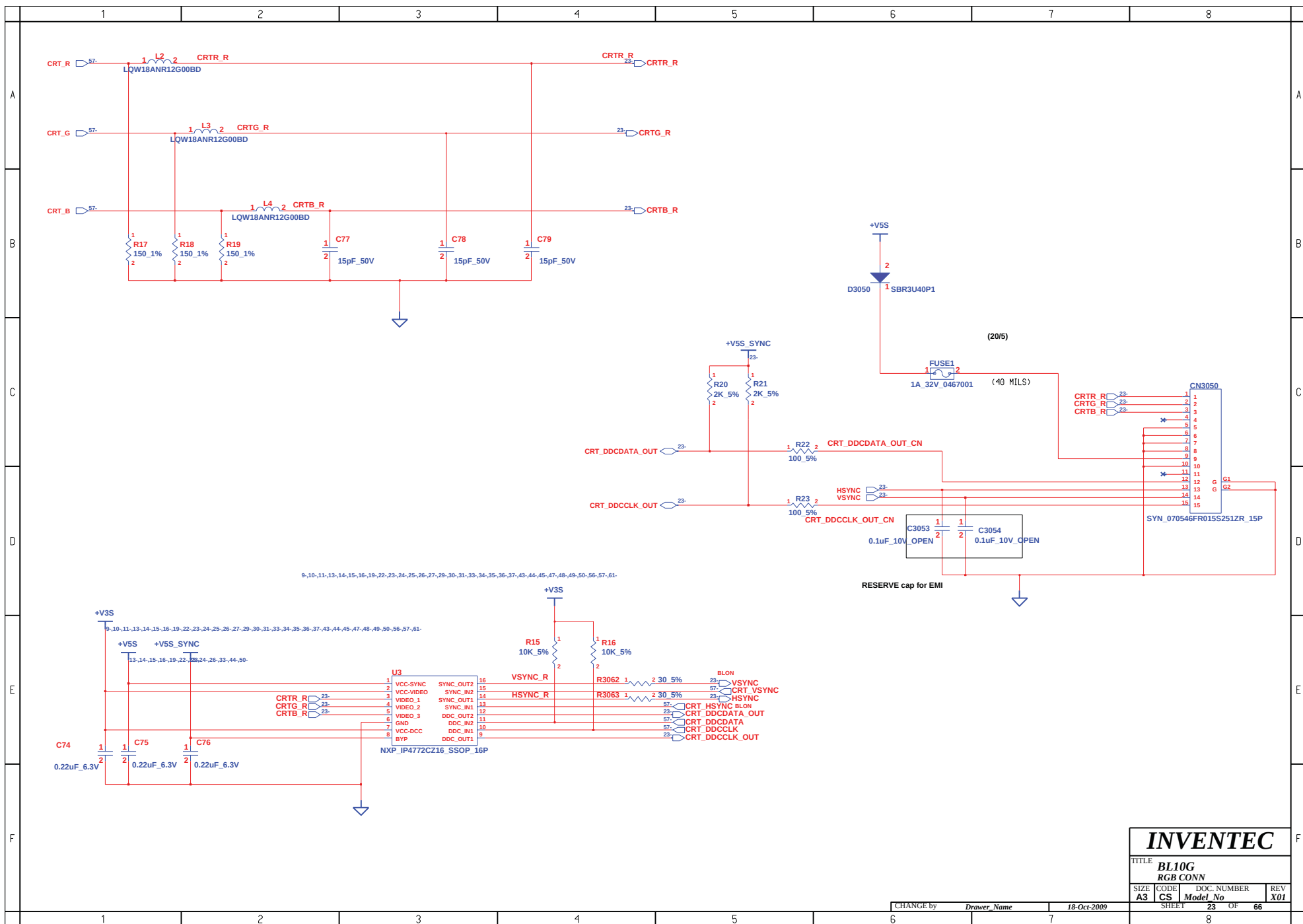
TITLE			
BL10G			
AUDIO AMP&MIC&SPEAKER			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	X01

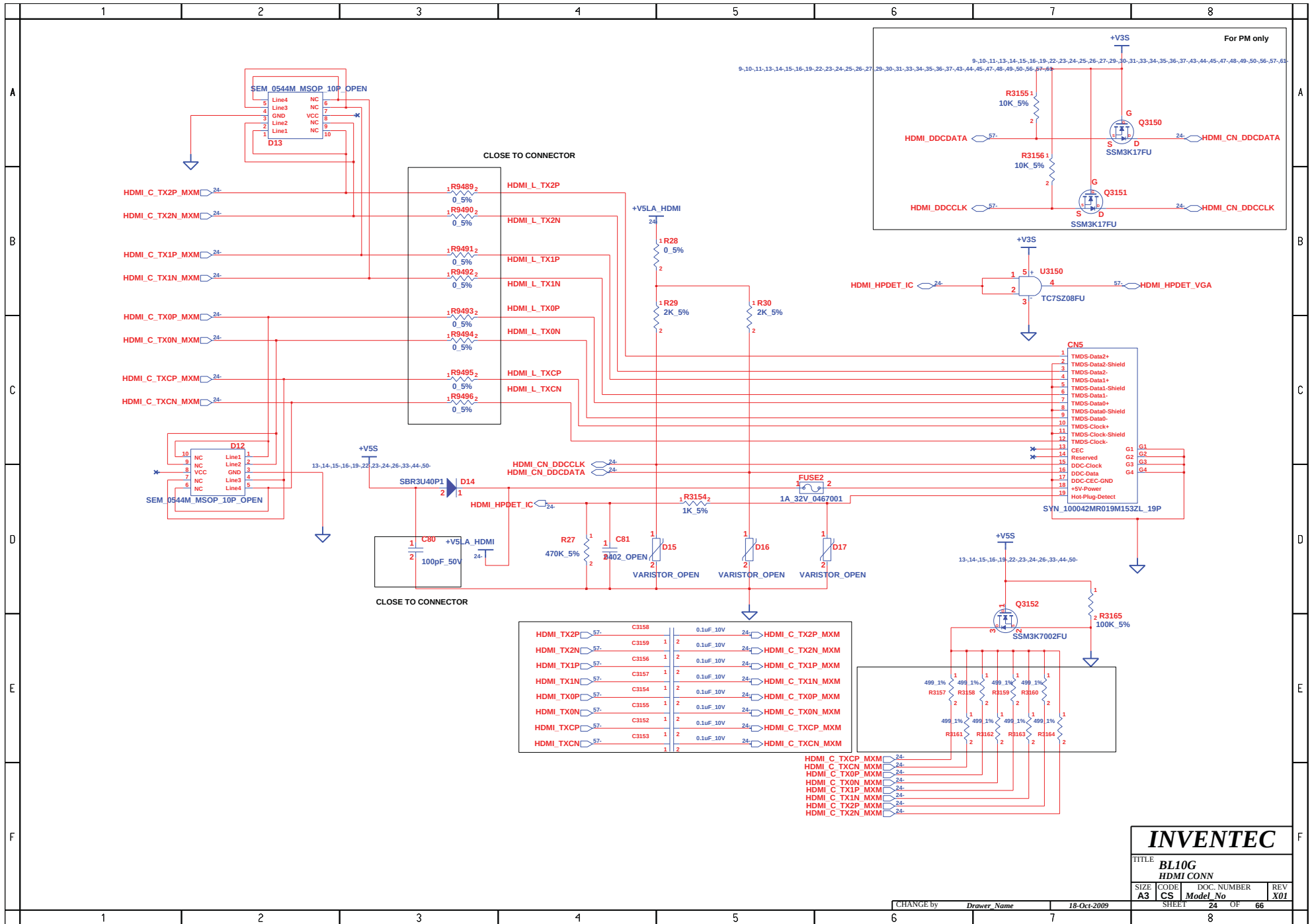
CHANGE by *Drawer Name* 18-Oct-2009

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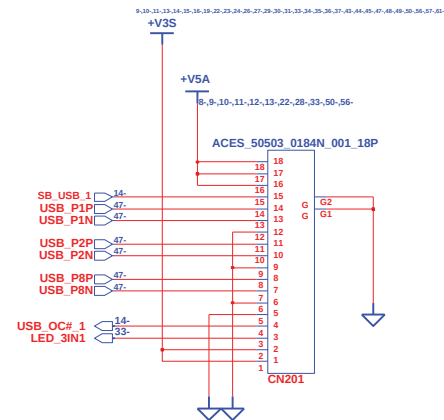


INVENTEC

TITLE BL10G HDMI CONN			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV X01
SHEET		24	OF 66

CHANGE by *Drawer Name* 18-Oct-2009

CardReader/USB Connector

**INVENTEC**

TITLE	BL10G <i>Cardreader</i>
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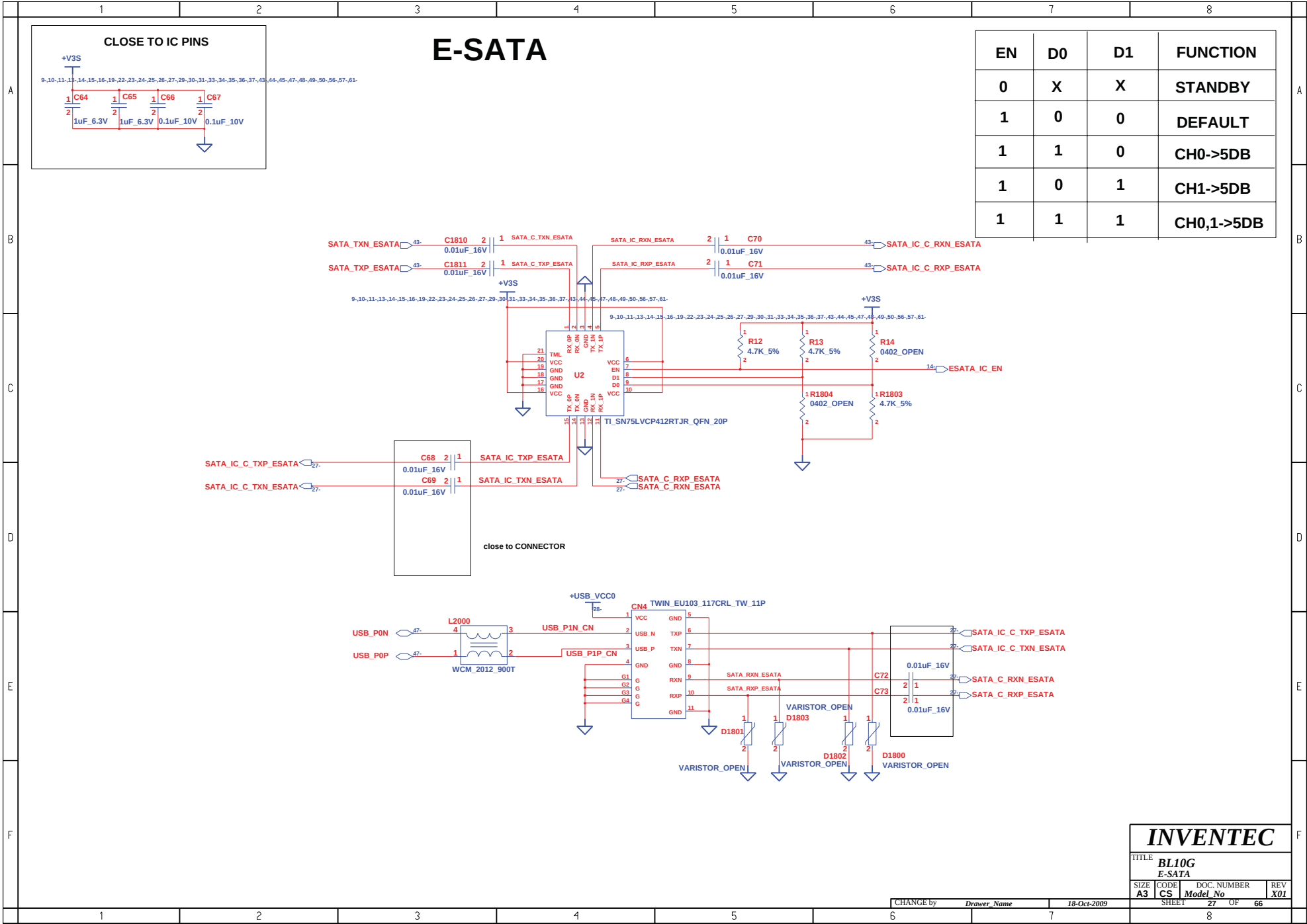
SIZE A3	CODE CS	DOC. NUMBER <i>Model No</i>	REV X01
SHEET 25 OF 66			

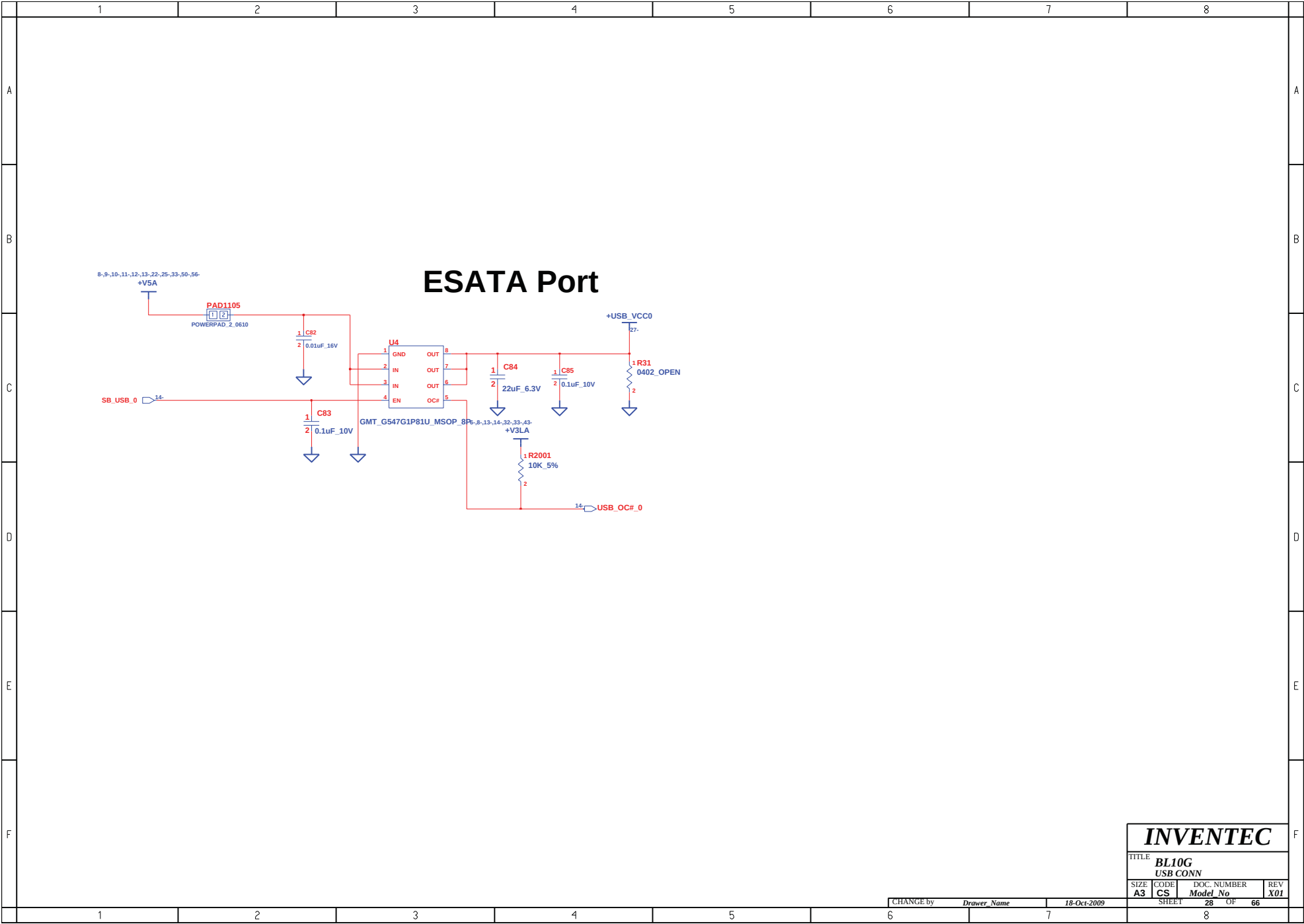
CHANGE by	<i>Drawer_Name</i>	18-Oct-2009
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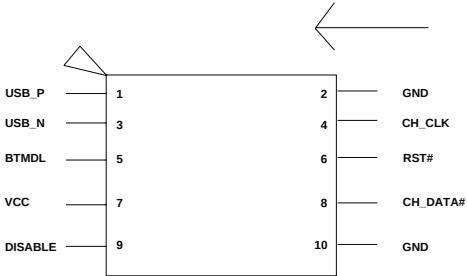
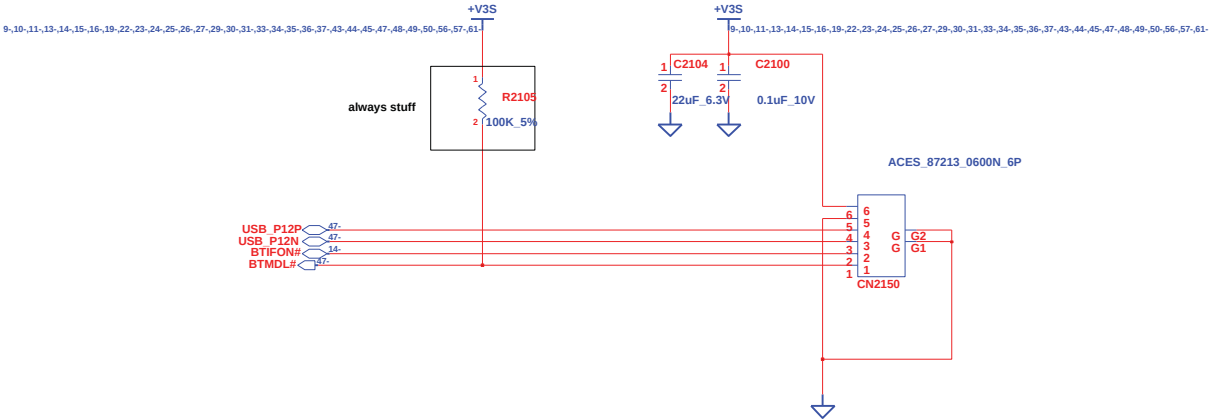


TITLE			
BL10G SATA HDD & ODD			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	X01
SHEET		26	OF 66





BLUETOOTH



INVENTEC

TITLE
BL10G
Bluetooth

SIZE A3	CODE CS	DOC. NUMBER <i>Model No</i>	REV X01
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CHANGE by *Drawer Name* 18-Oct-2009

SHEET 29 OF 66

Wireless & Debug card

MINI CARD 1

INVENTEC			
TITLE BL10G WLAN			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV X01
CHANGE by		Drawer Name	18-Oct-2009
SHEET		30	OF 66

Wireless & Debug card

Wireless & Debug card

MINI CARD 1

INVENTEC			
TITLE BL10G WLAN			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV X01
CHANGE by		Drawer Name	18-Oct-2009
SHEET		30	OF 66

Wireless & Debug card

MINI CARD 1

INVENTEC			
TITLE BL10G WLAN			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV X01
CHANGE by		Drawer Name	18-Oct-2009
SHEET		30	OF 66

Wireless & Debug card

MINI CARD 1

INVENTEC			
TITLE BL10G WLAN			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV X01
CHANGE by		Drawer Name	18-Oct-2009
SHEET		30	OF 66

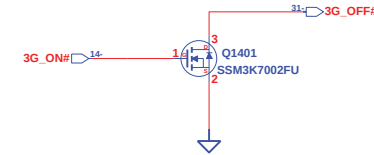
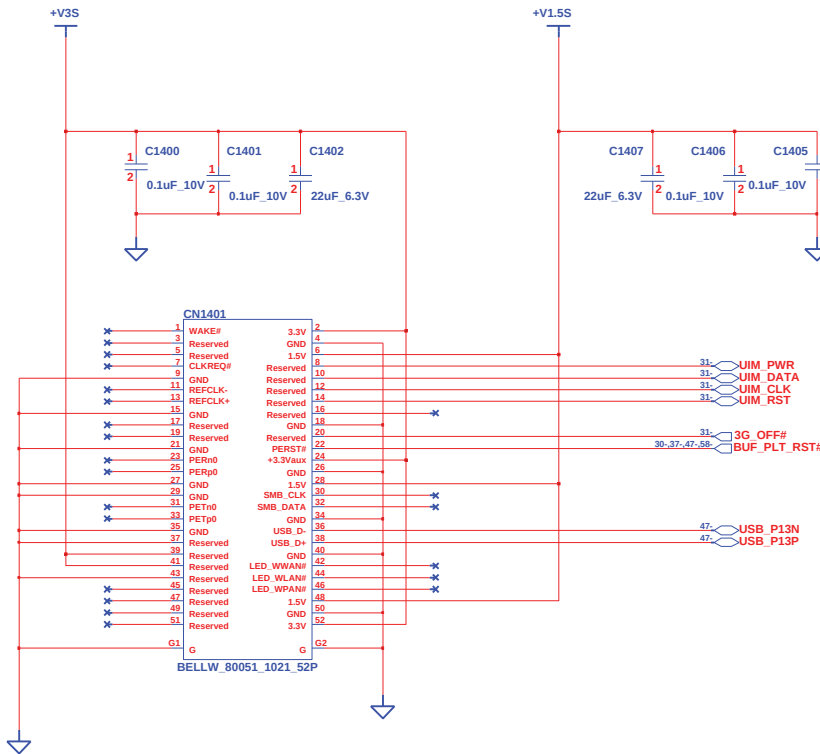
Wireless & Debug card

MINI CARD 1

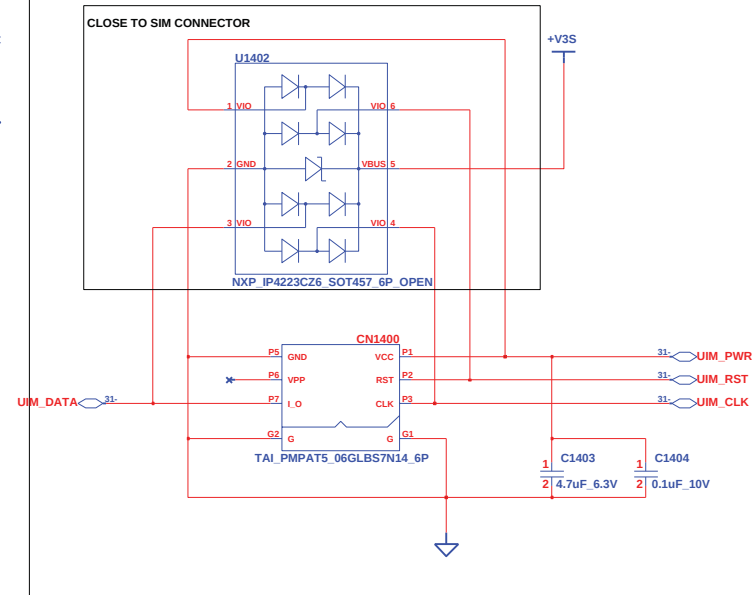
INVENTEC			
TITLE BL10G WLAN			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV X01
CHANGE by		Drawer Name	18-Oct-2009
SHEET		30	OF 66

3G/GPS

9-10-11-13-14-15-16-19-22-23-24-25-26-27-29-30-31-33-34-35-36-37-43-44-45-47-48-49-50-56-57-61- 13-30-



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MINI CARD 2

INVENTEC

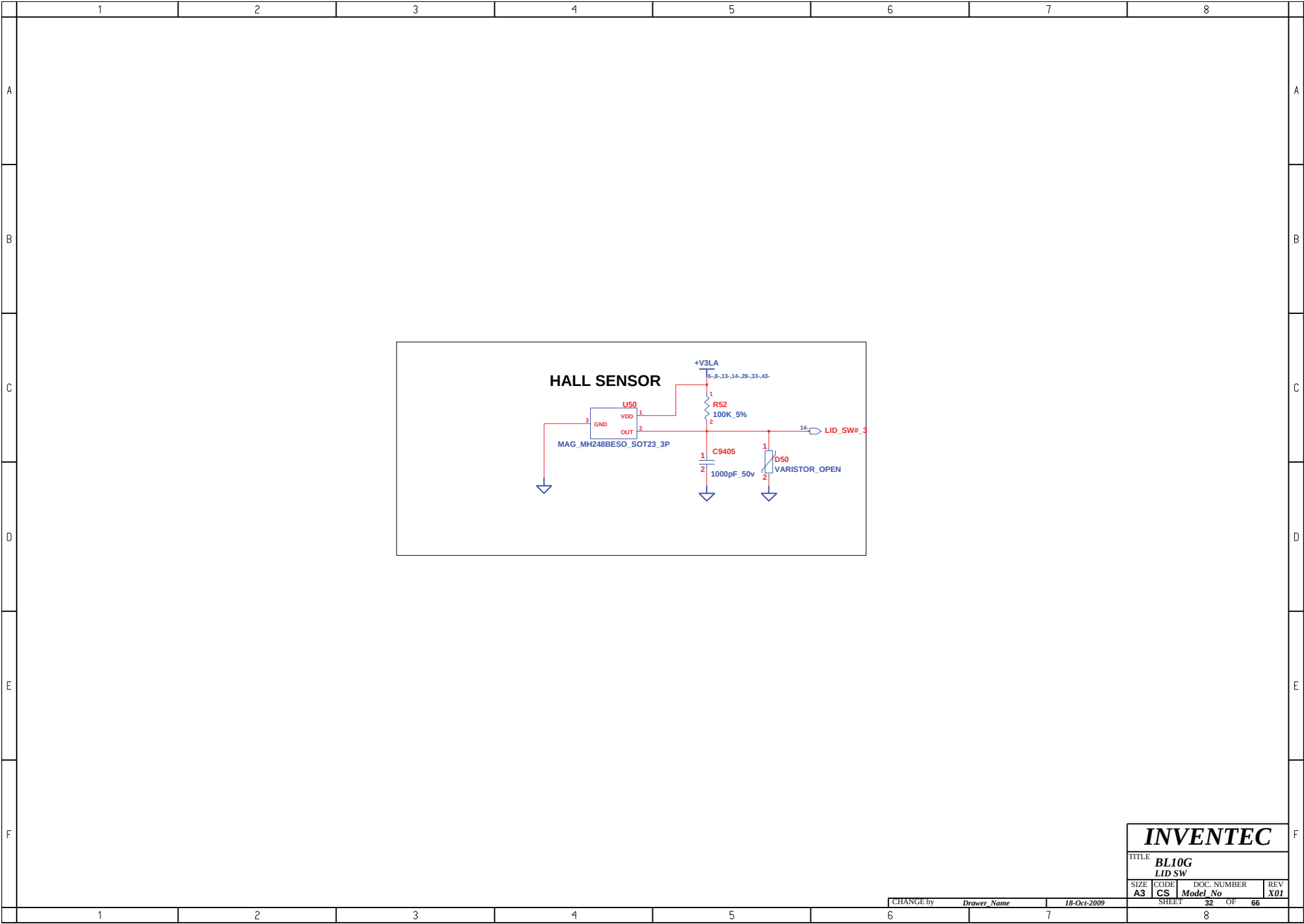
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BL10G

SIZE CODE DOC. NUMBER REV
A3 CS Model No X01

CHANGE by *Drawer Name* 18-Oct-2009

SHEET 31 OF 66

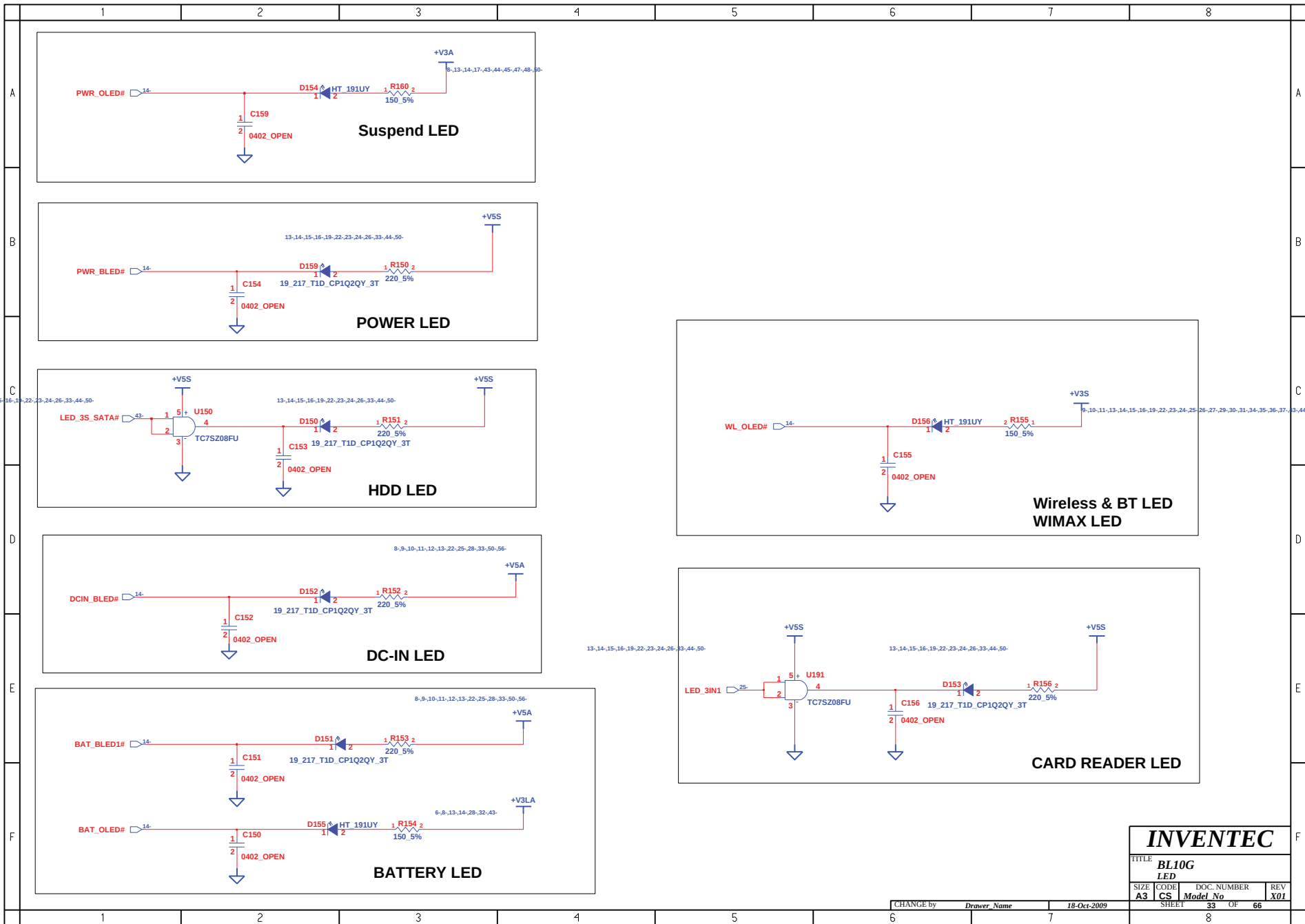
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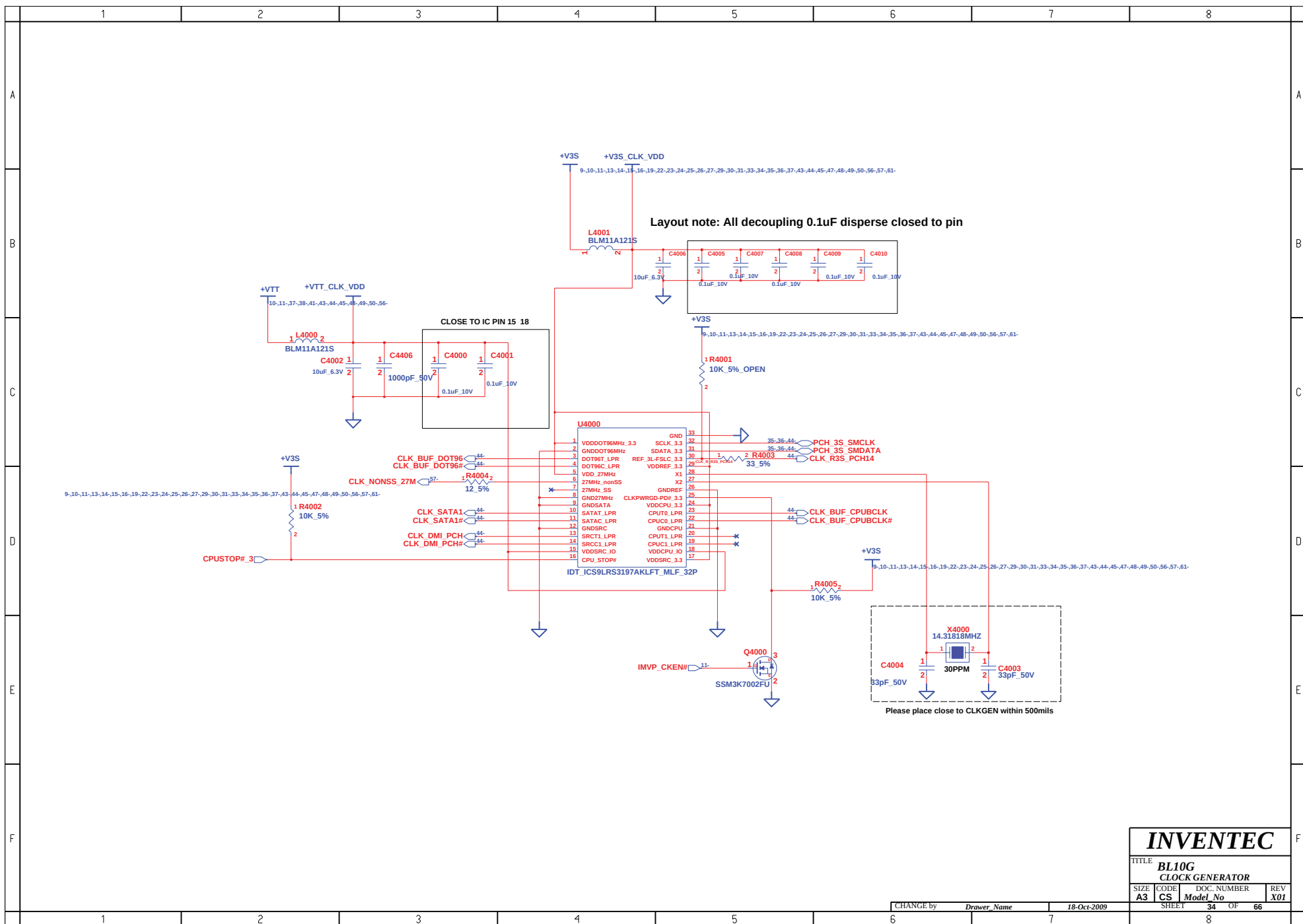


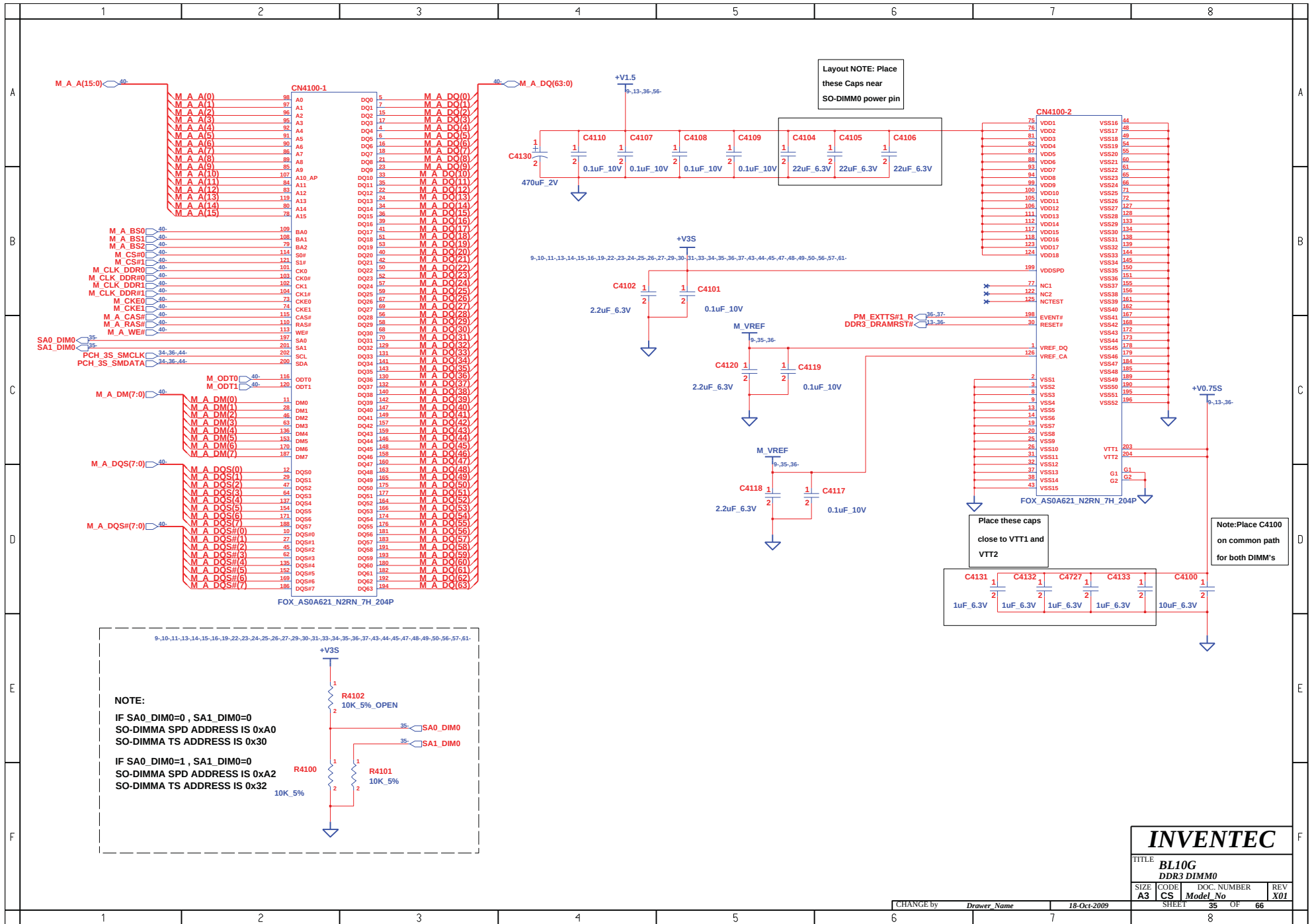
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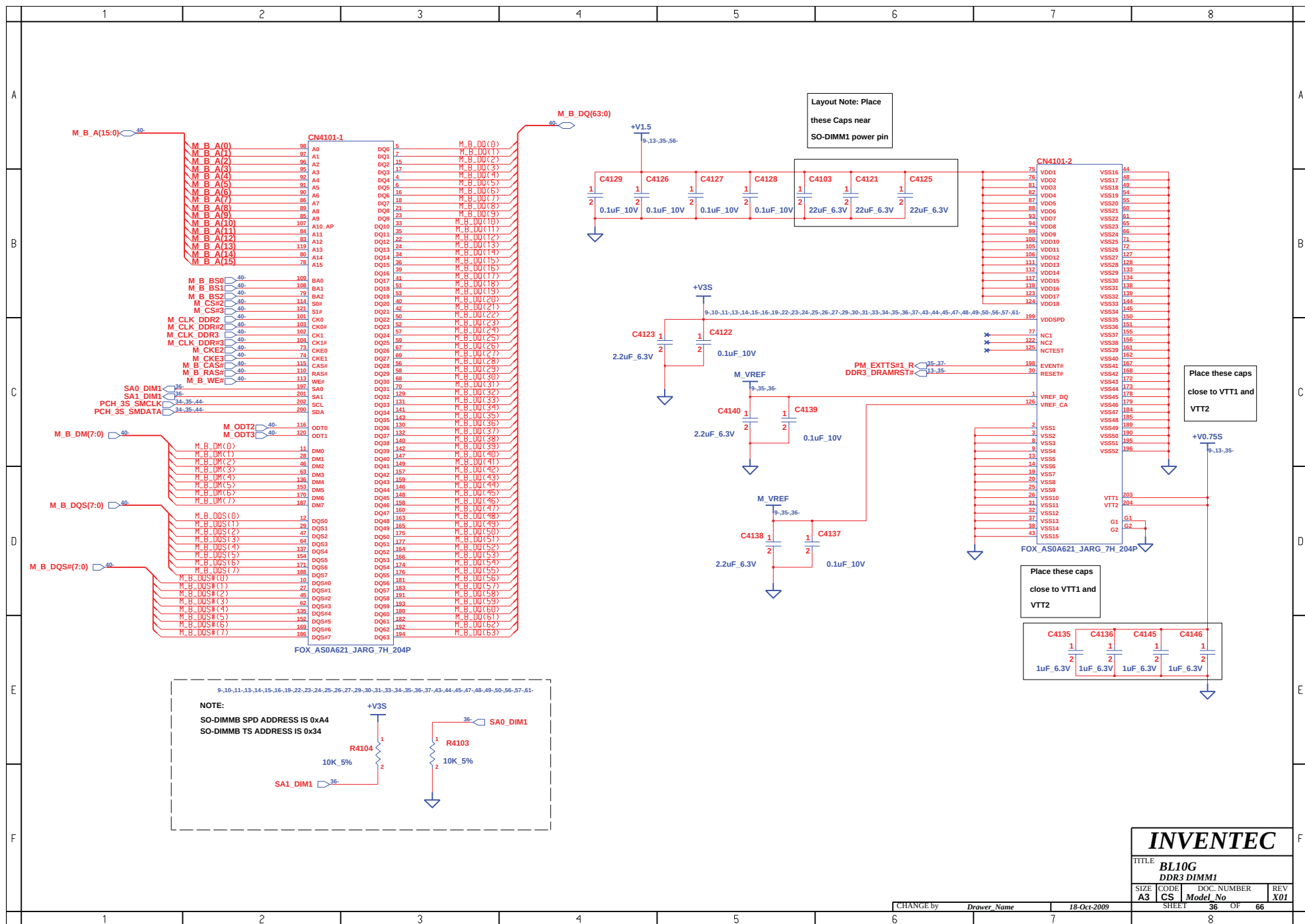
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A3	CS	Model No	X01
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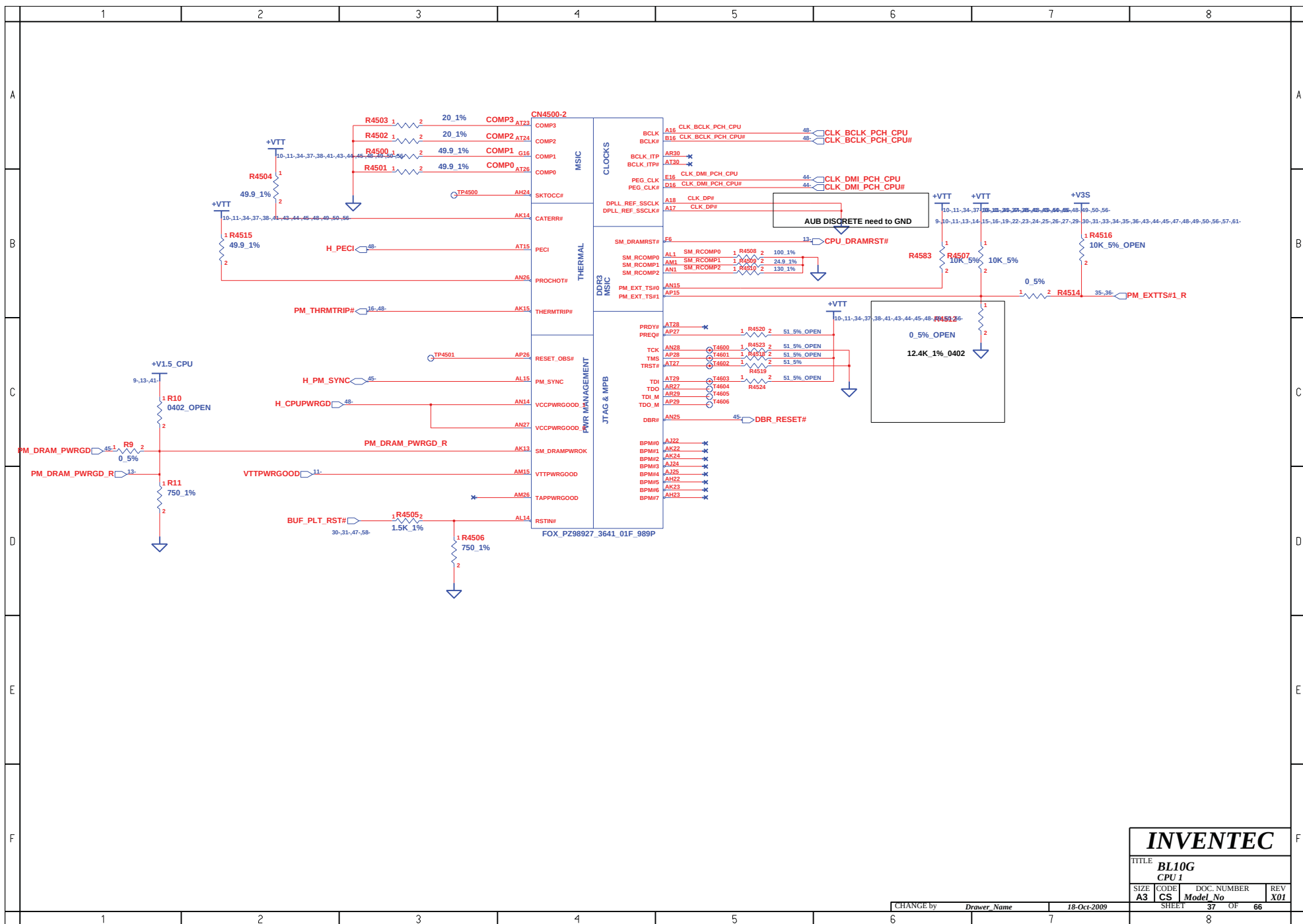
CHANGE by *Drawer Name* 18-Oct-2009

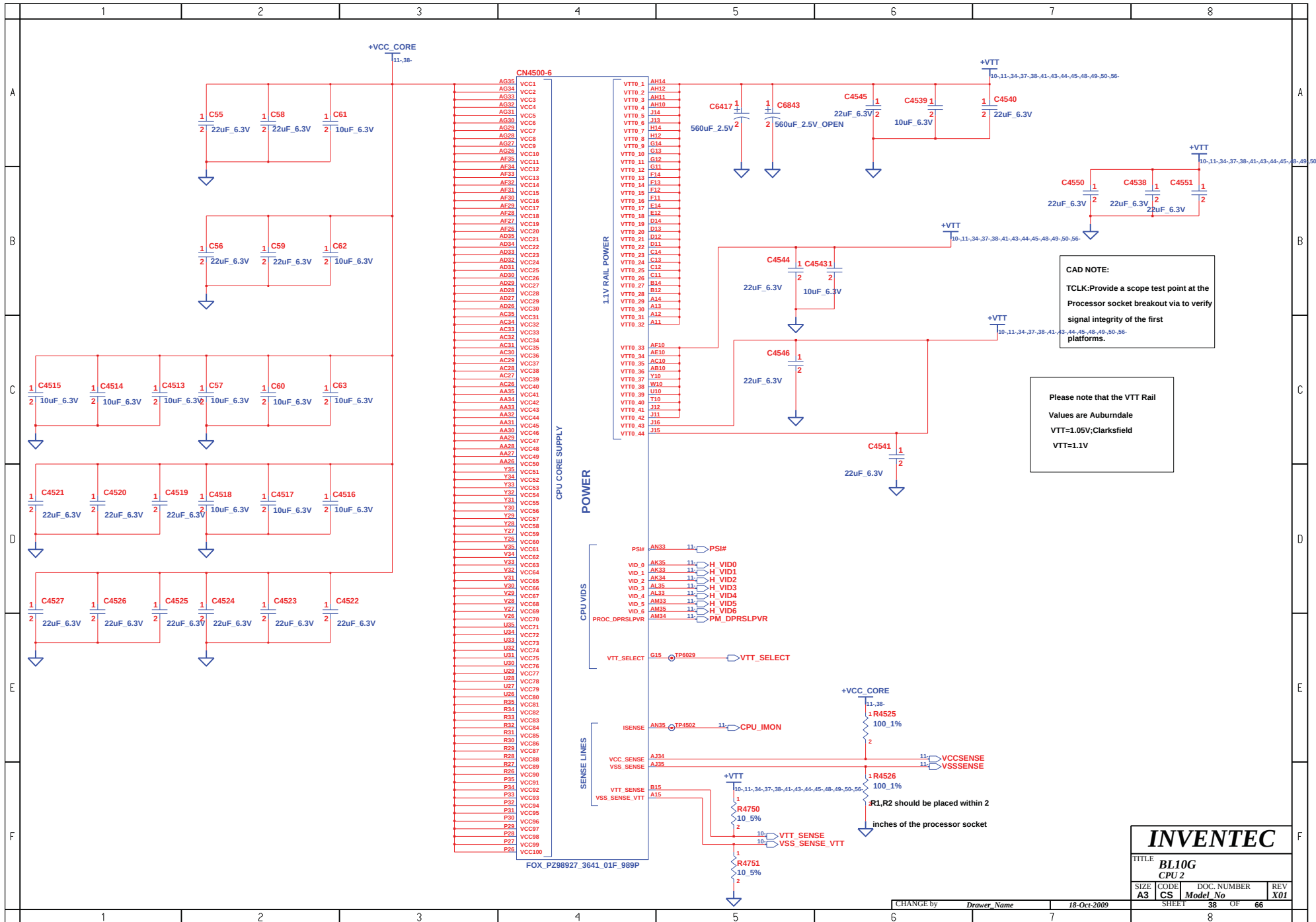


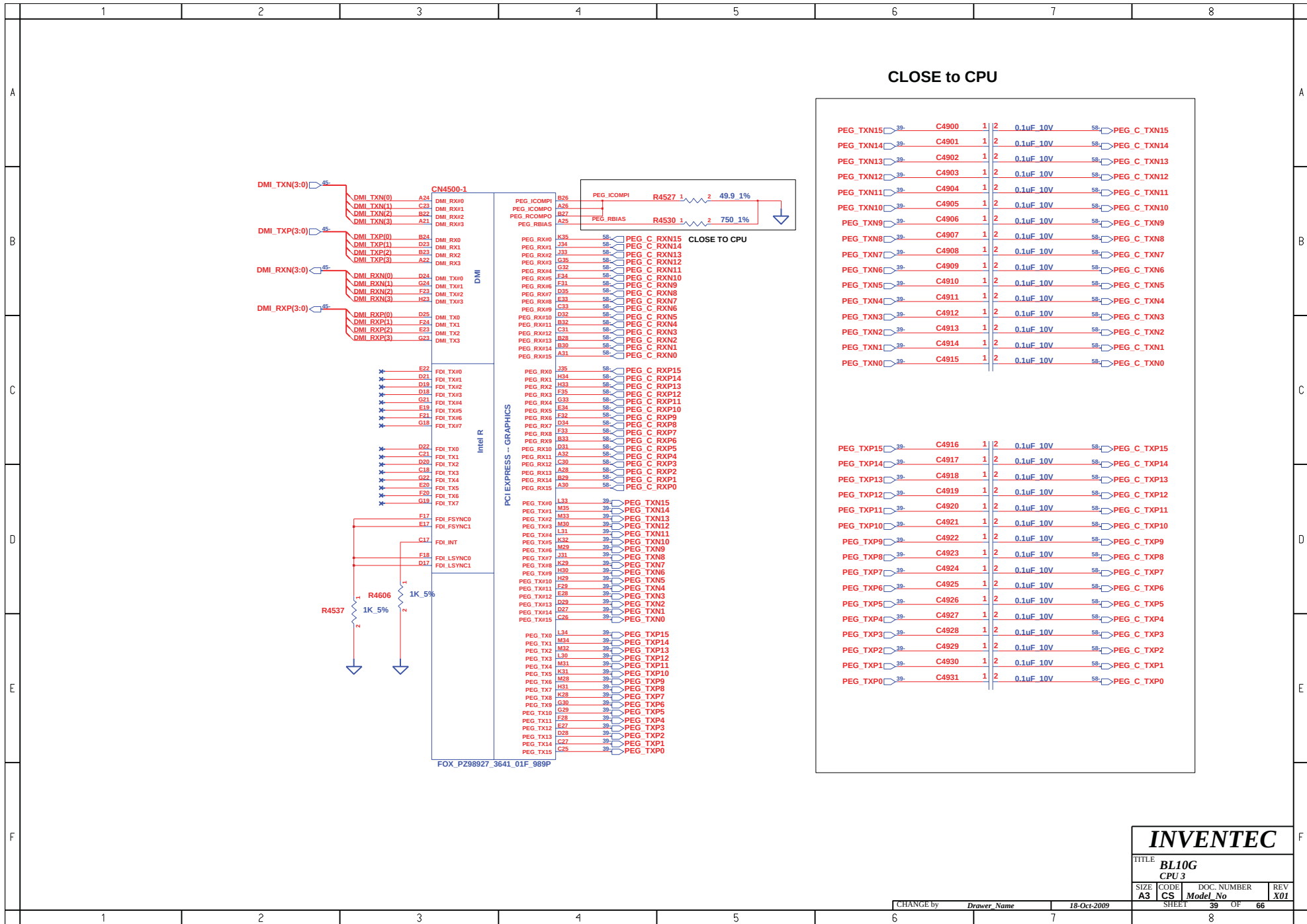












CLOSE to CPU

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PEG_TXN14	39	C4901	1	2	0.1uF 10V	58	PEG_C_TXN14
PEG_TXN13	39	C4902	1	2	0.1uF 10V	58	PEG_C_TXN13
PEG_TXN12	39	C4903	1	2	0.1uF 10V	58	PEG_C_TXN12
PEG_TXN11	39	C4904	1	2	0.1uF 10V	58	PEG_C_TXN11
PEG_TXN10	39	C4905	1	2	0.1uF 10V	58	PEG_C_TXN10
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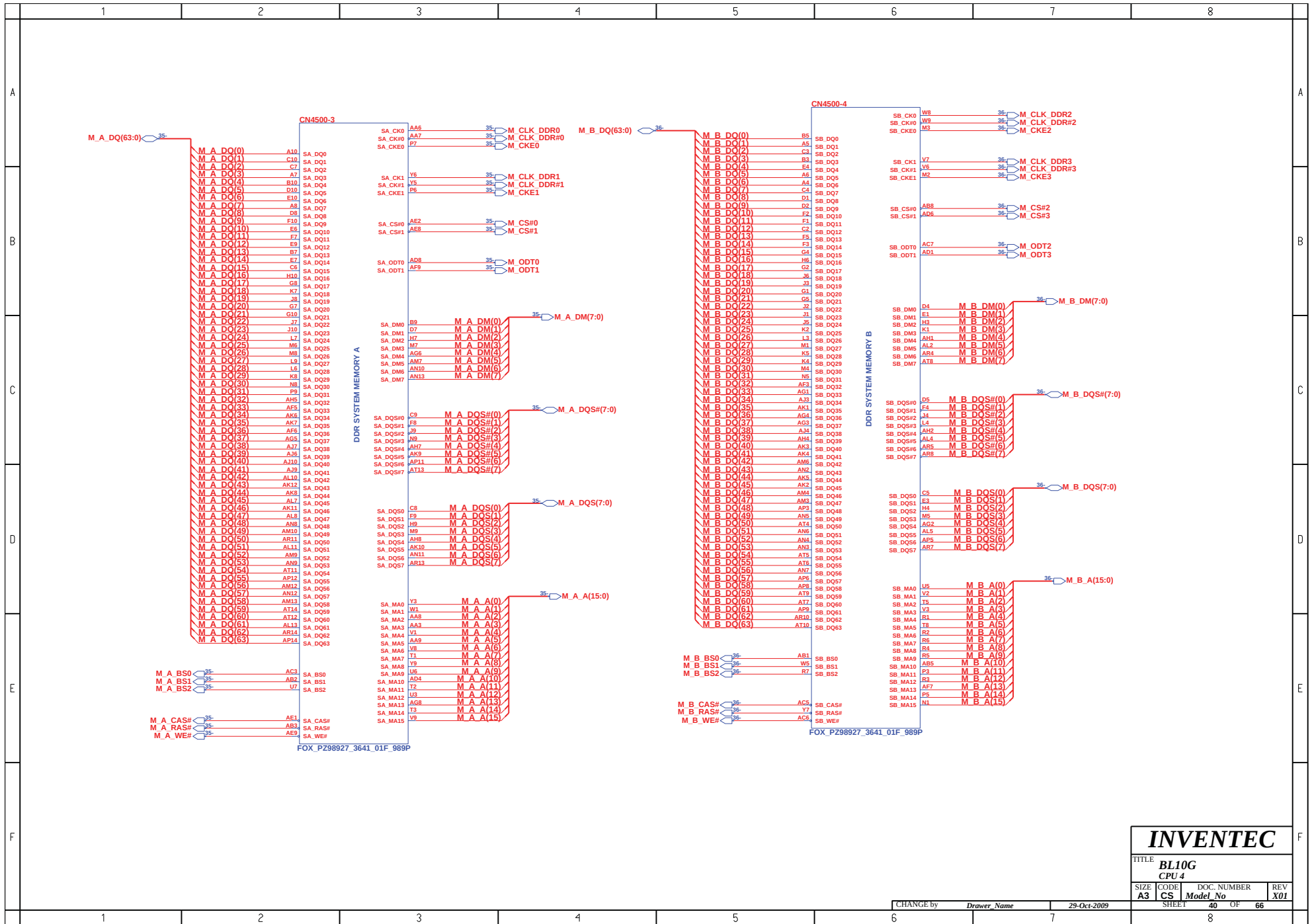
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PEG_TXP10	39	C4921	1	2	0.1uF 10V	58	PEG_C_TXP10
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PEG_TXP8	39	C4923	1	2	0.1uF 10V	58	PEG_C_TXP8
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PEG_TXP5	39	C4926	1	2	0.1uF 10V	58	PEG_C_TXP5
PEG_TXP4	39	C4927	1	2	0.1uF 10V	58	PEG_C_TXP4
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PEG_TXP2	39	C4929	1	2	0.1uF 10V	58	PEG_C_TXP2
PEG_TXP1	39	C4930	1	2	0.1uF 10V	58	PEG_C_TXP1
PEG_TXP0	39	C4931	1	2	0.1uF 10V	58	PEG_C_TXP0

INVENTEC

TITLE			
BL10G			
CPU 3			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	X01

CHANGE by Drawer Name 18-Oct-2009

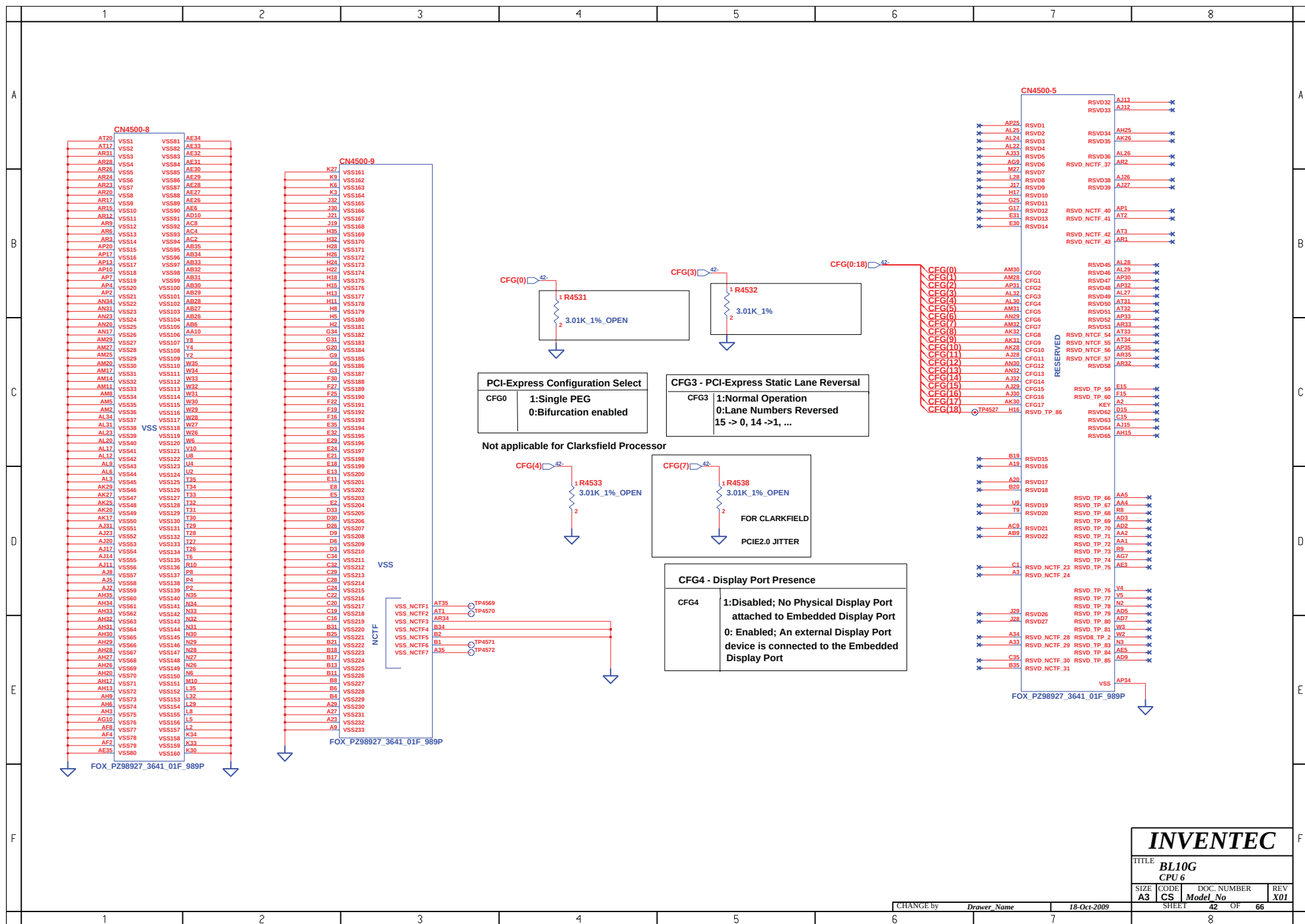
SHEET 39 OF 66

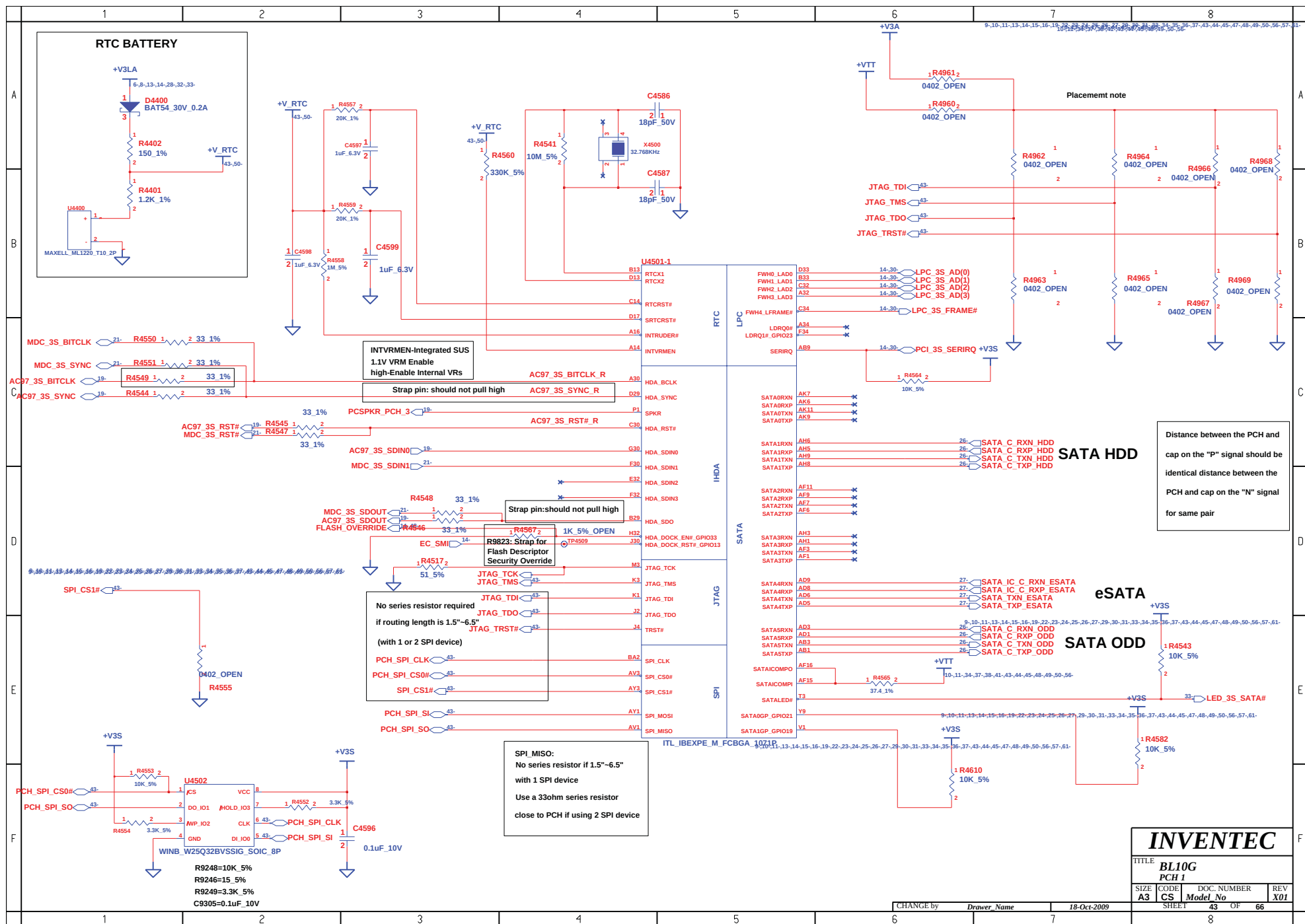


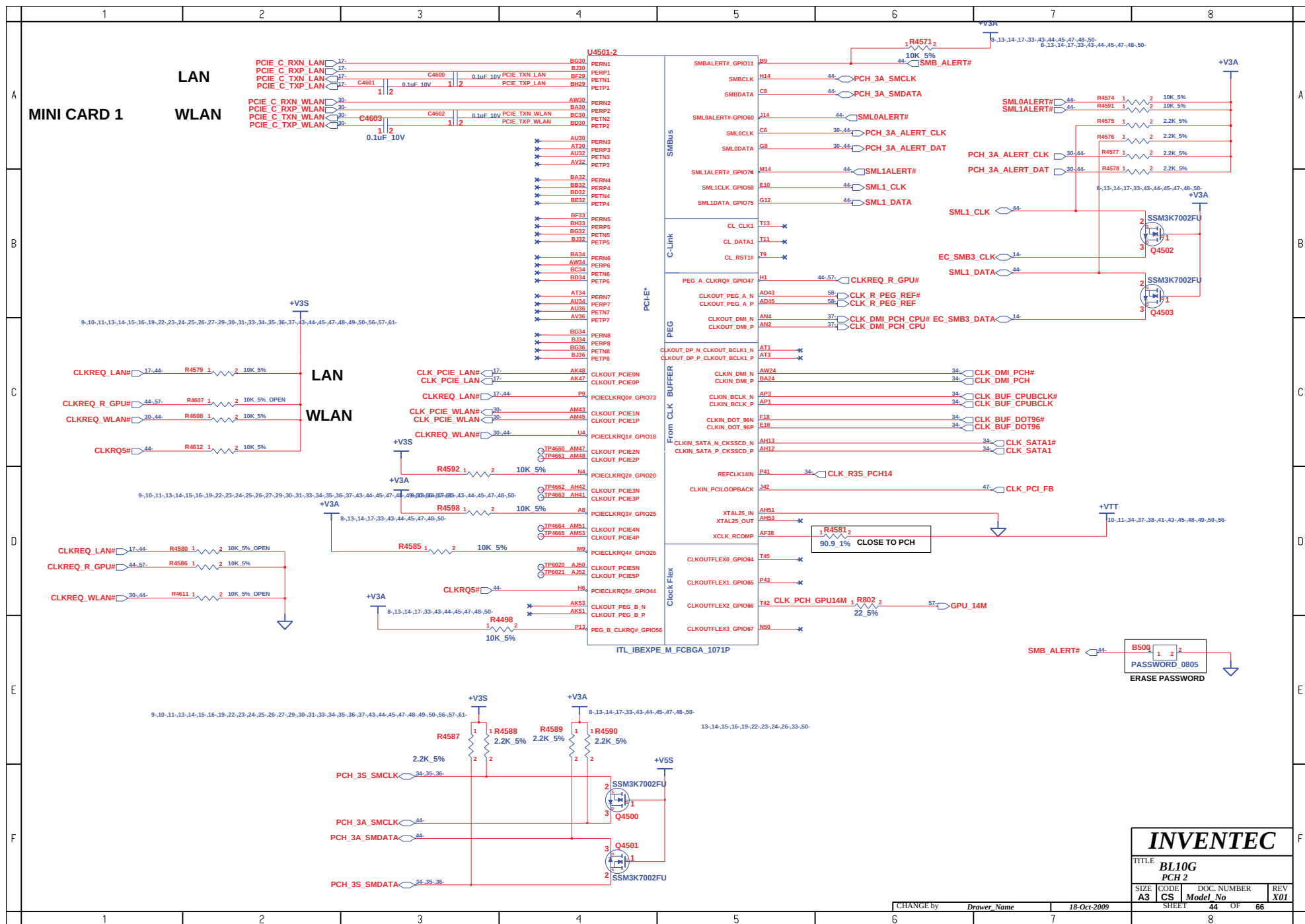
INVENTEC

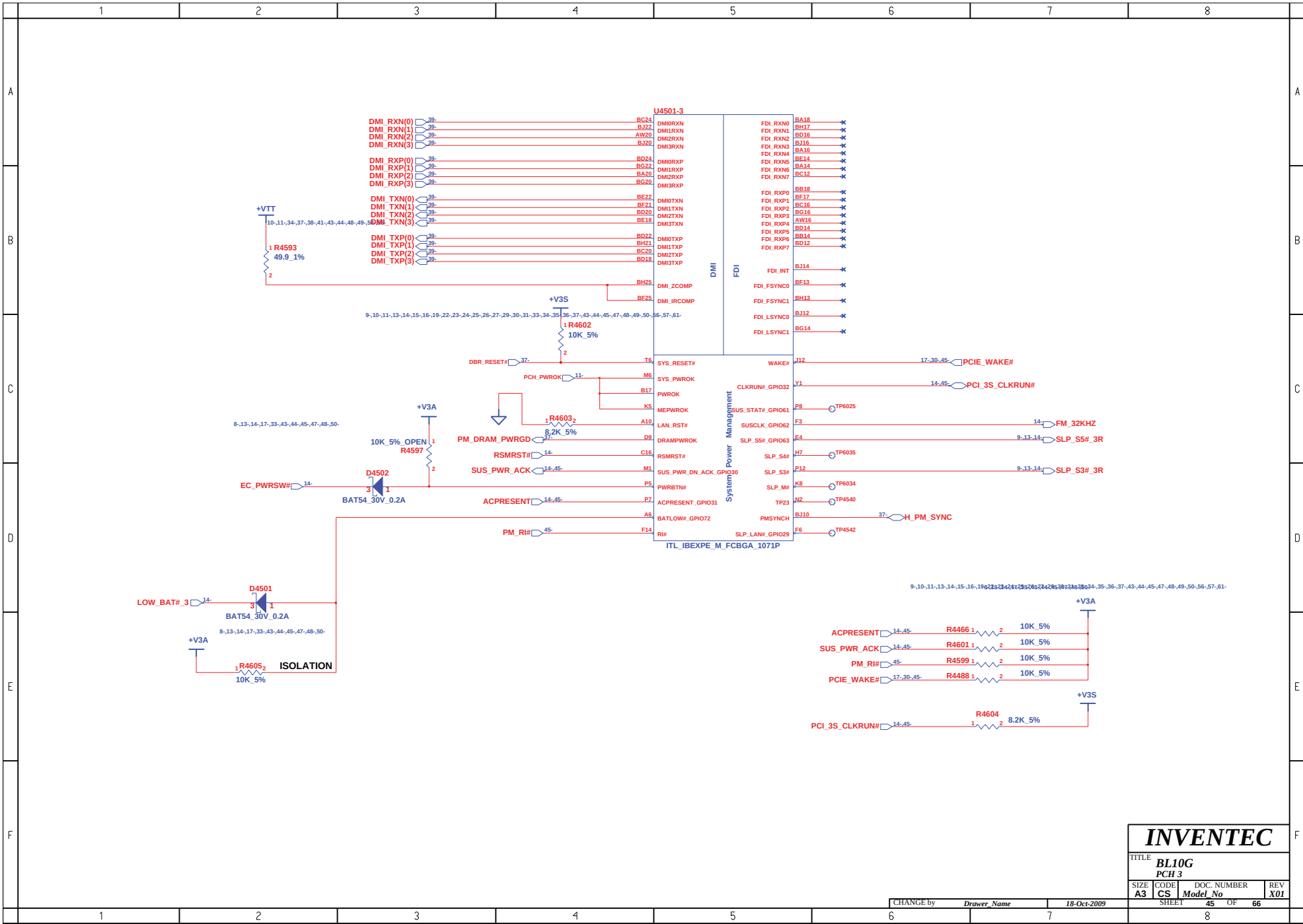
TITLE BL10G CPU 4			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV X01
SHEET		40 OF	66

CHANGE by *Drawer Name* 29-Oct-2009





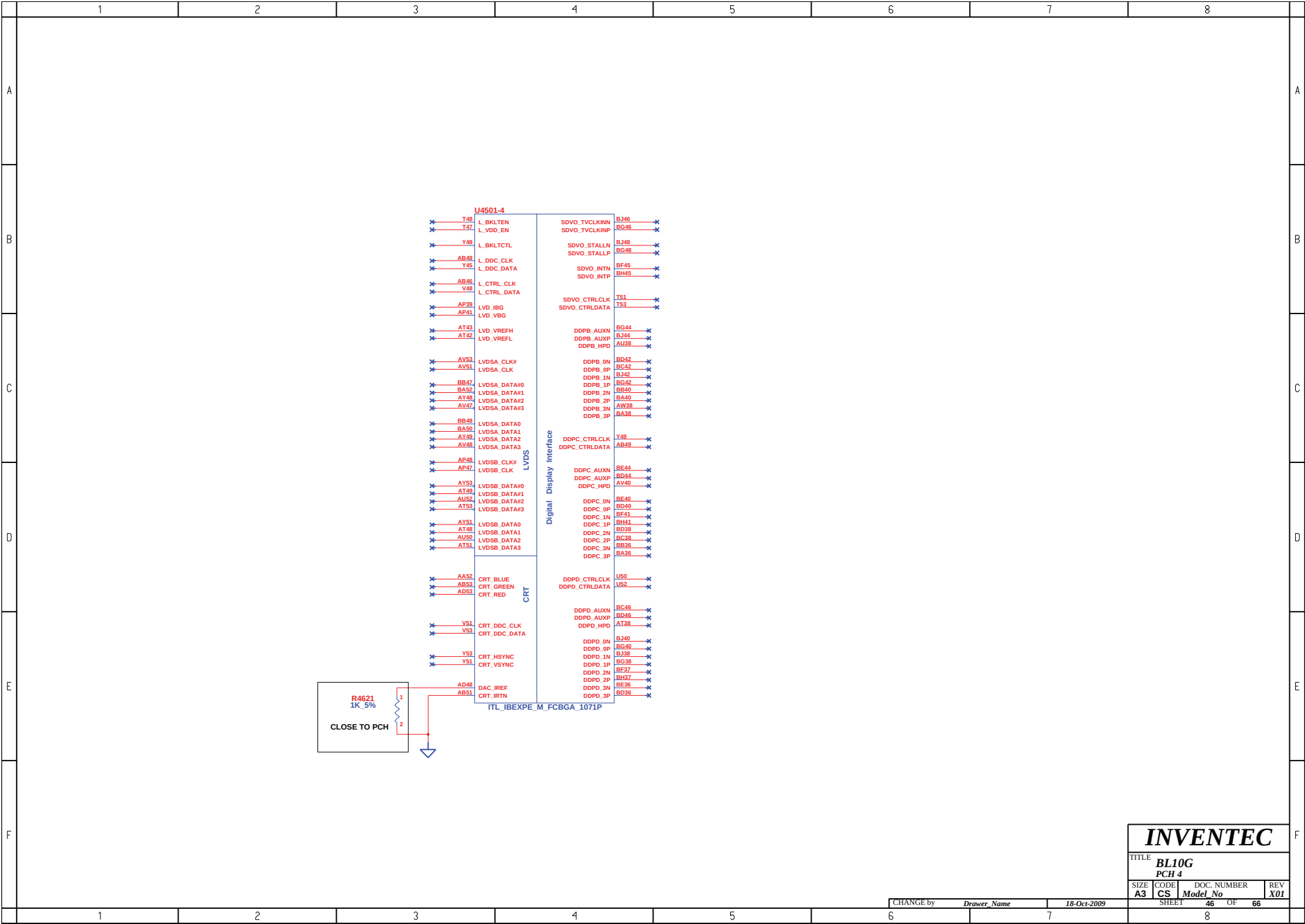




INVENTEC

TITLE			
BL10G			
PCH 3			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	X01
SHEET		45	OF 66

CHANGE by *Drawer Name* 18-Oct-2009



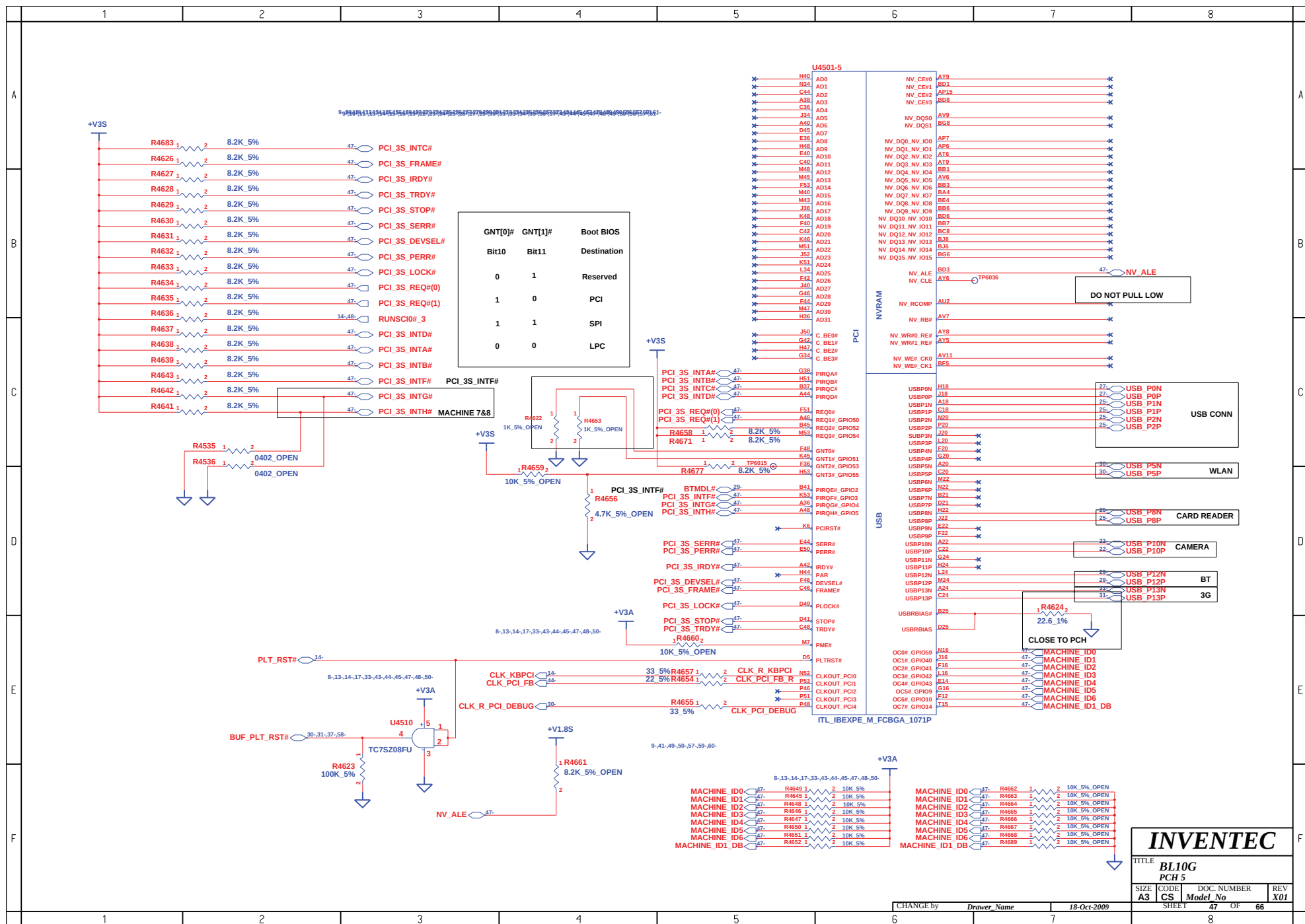
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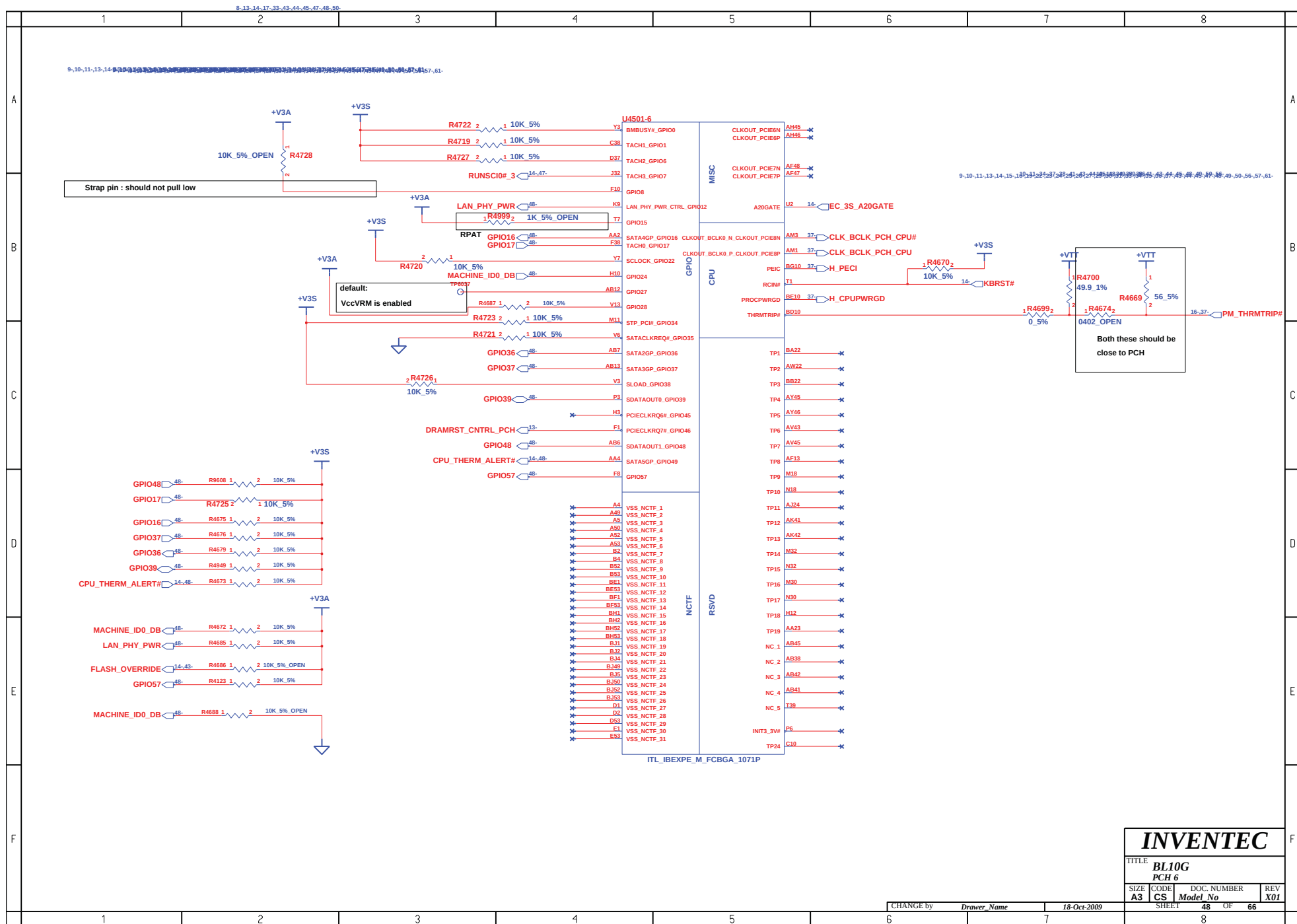
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BL10G
PCH 4

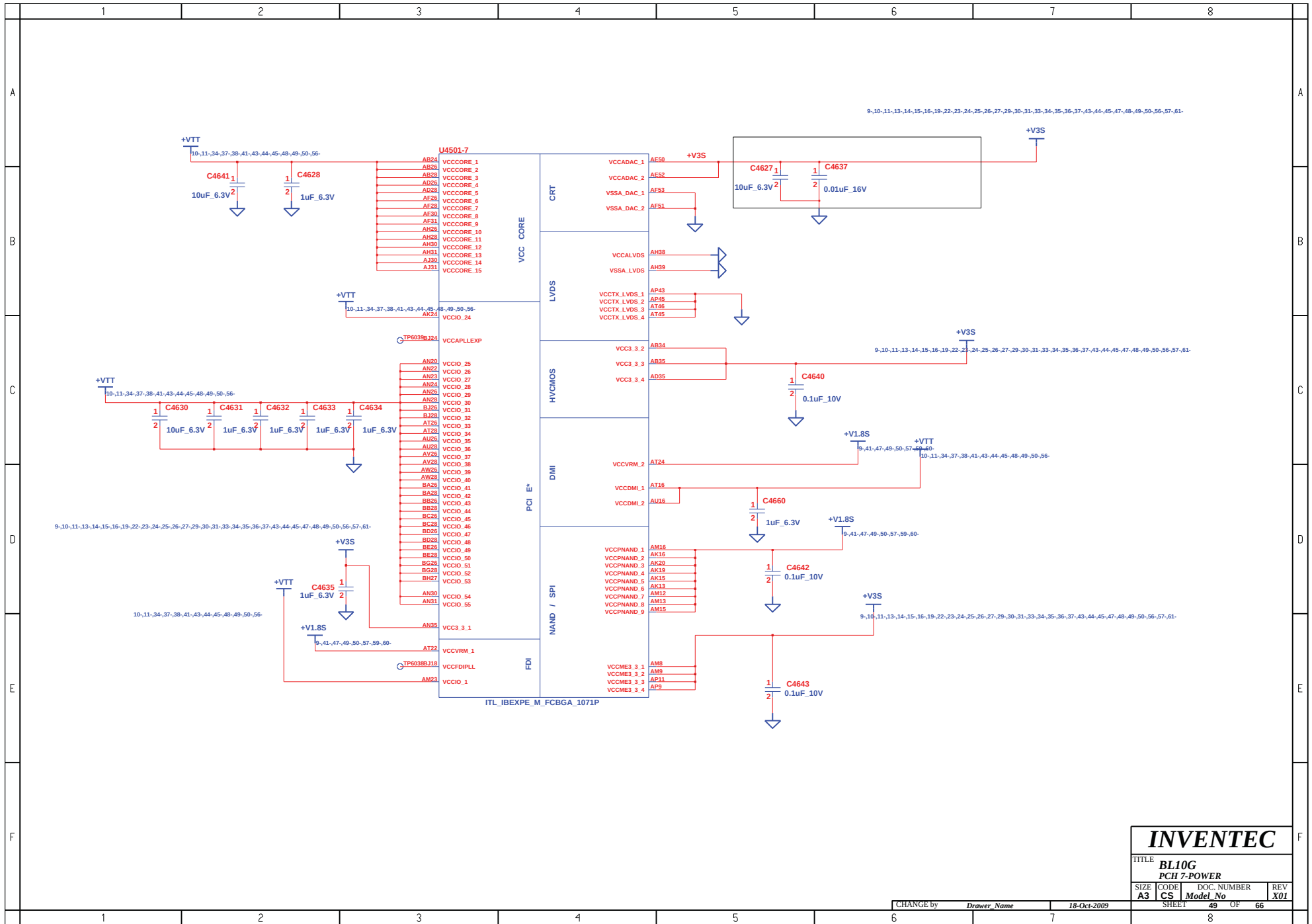
SIZE A3	CODE CS	DOC. NUMBER Model No	REV X01
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CHANGE by *Drawn Name* 18-Oct-2009

SHEET 46 OF 66

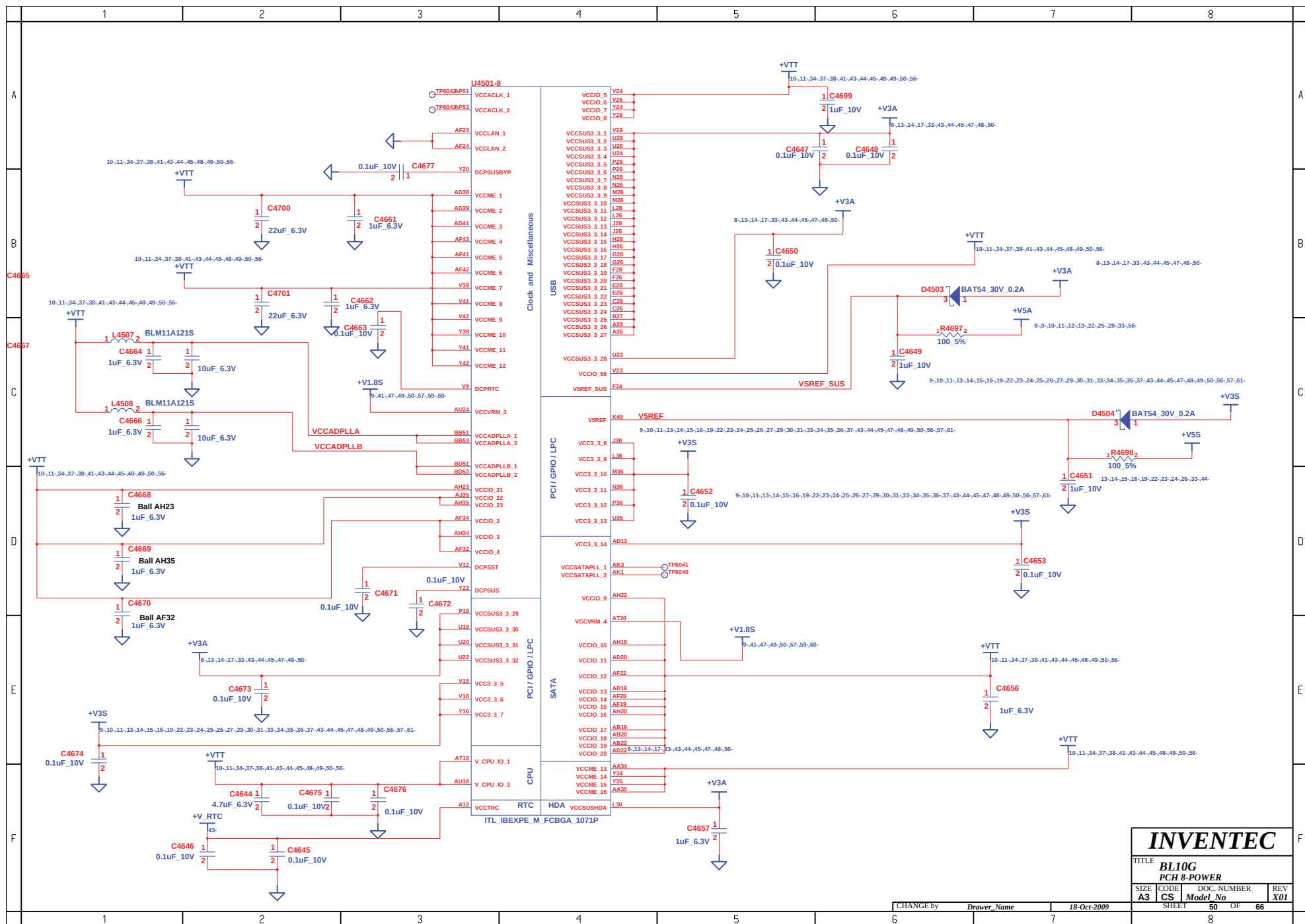






INVENTEC			
TITLE BL10G PCH 7-POWER			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV X01
SHEET		49	OF 66

CHANGE by *Drawn Name* 18-Oct-2009

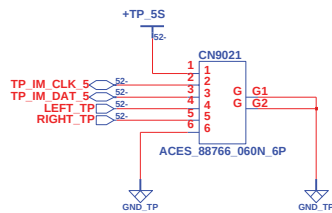


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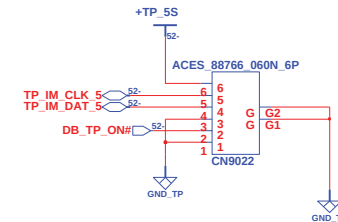
PICK BUTTON BOARD

(For - Touchpad Module, Touchpad Switch Board, Fingerprint Module)

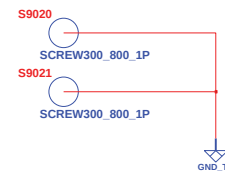
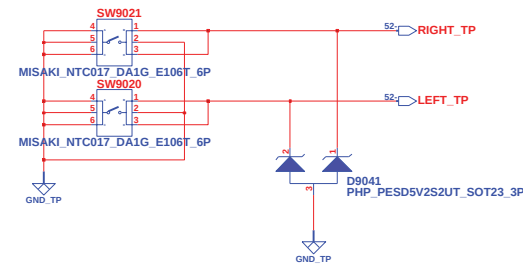
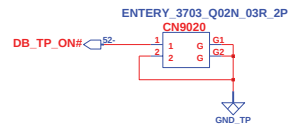
Connect to Touchpad Module



Connect to Mainboard's TP connector



Connect to Touchpad Switch Board



INVENTEC

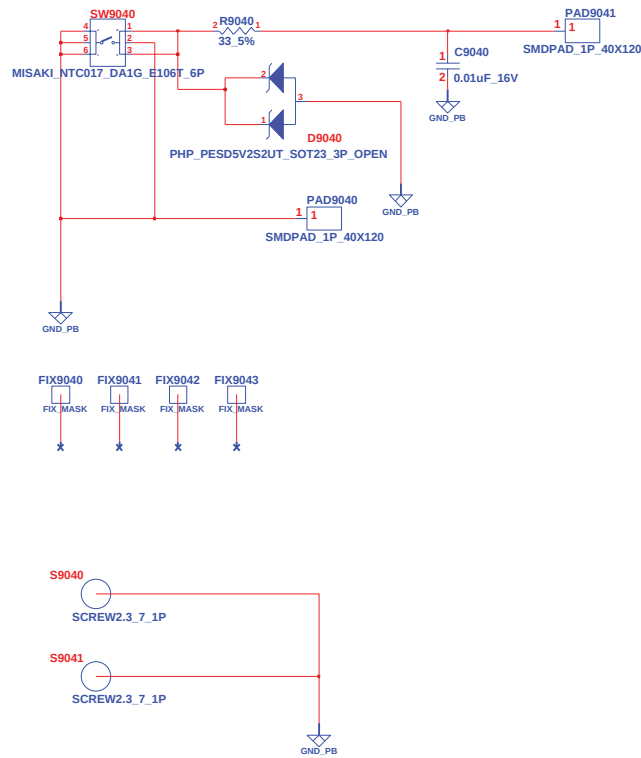
TITLE
BL10G
Hot key board

SIZE CODE DOC. NUMBER REV
A3 CS Model No

SHEET 52 OF 66

CHANGE by *Drawer Name* 18-Mar-2010

TOUCHPAD SWITCH BOARD



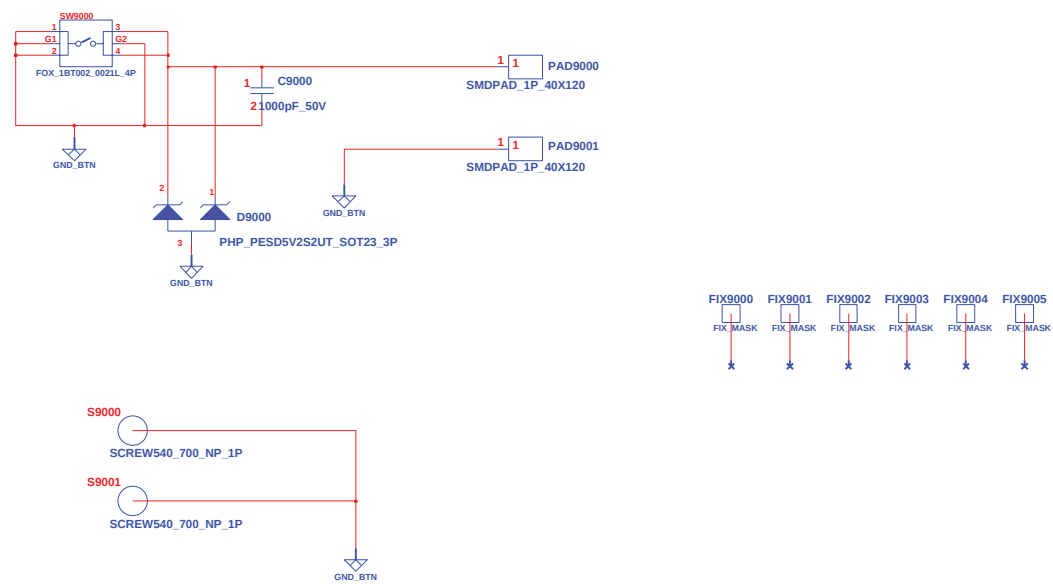
INVENTEC

TITLE BL10G Touch pad			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV X01
SHEET 53		OF 66	

CHANGE by *Drawn Name* 20-Jan-2010

8

POWER BUTTON



INVENTEC

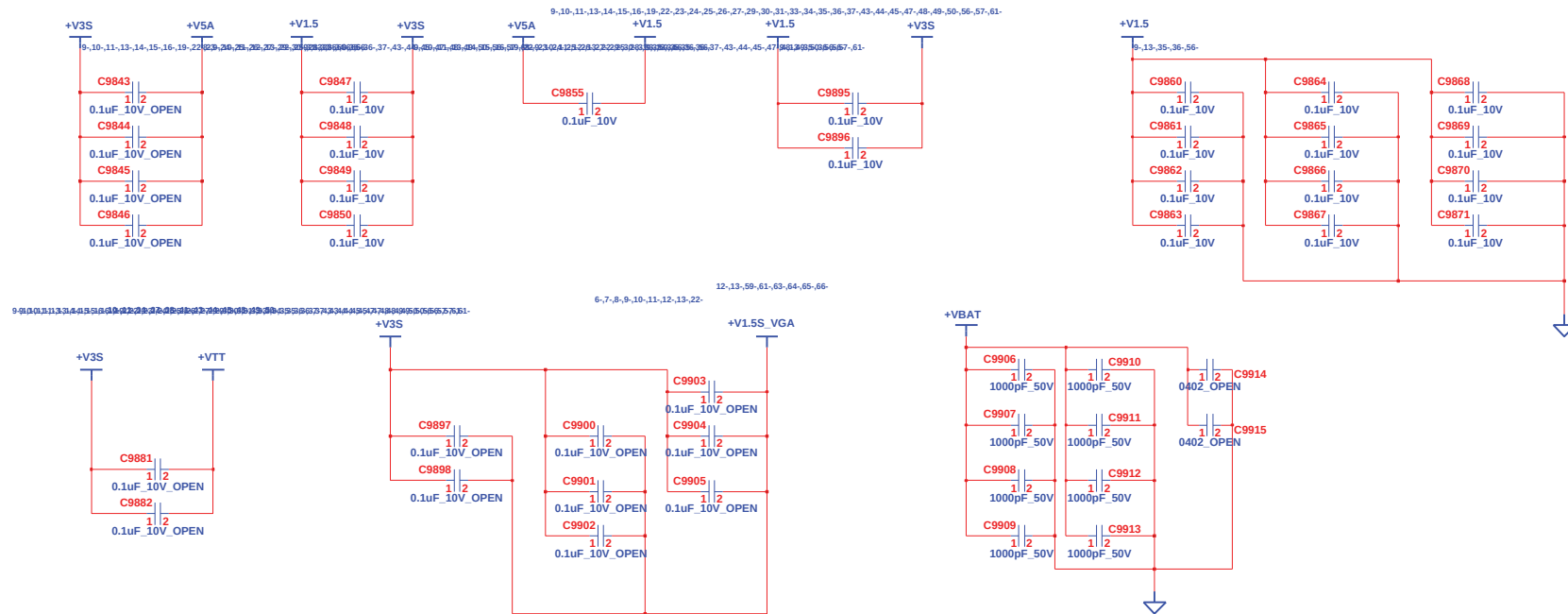
TITLE
BL10G

SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	X01

CHANGE by *Drawer Name* 11-Mar-2010

SHEET 54 OF 66

EMI

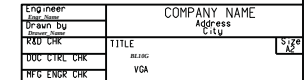


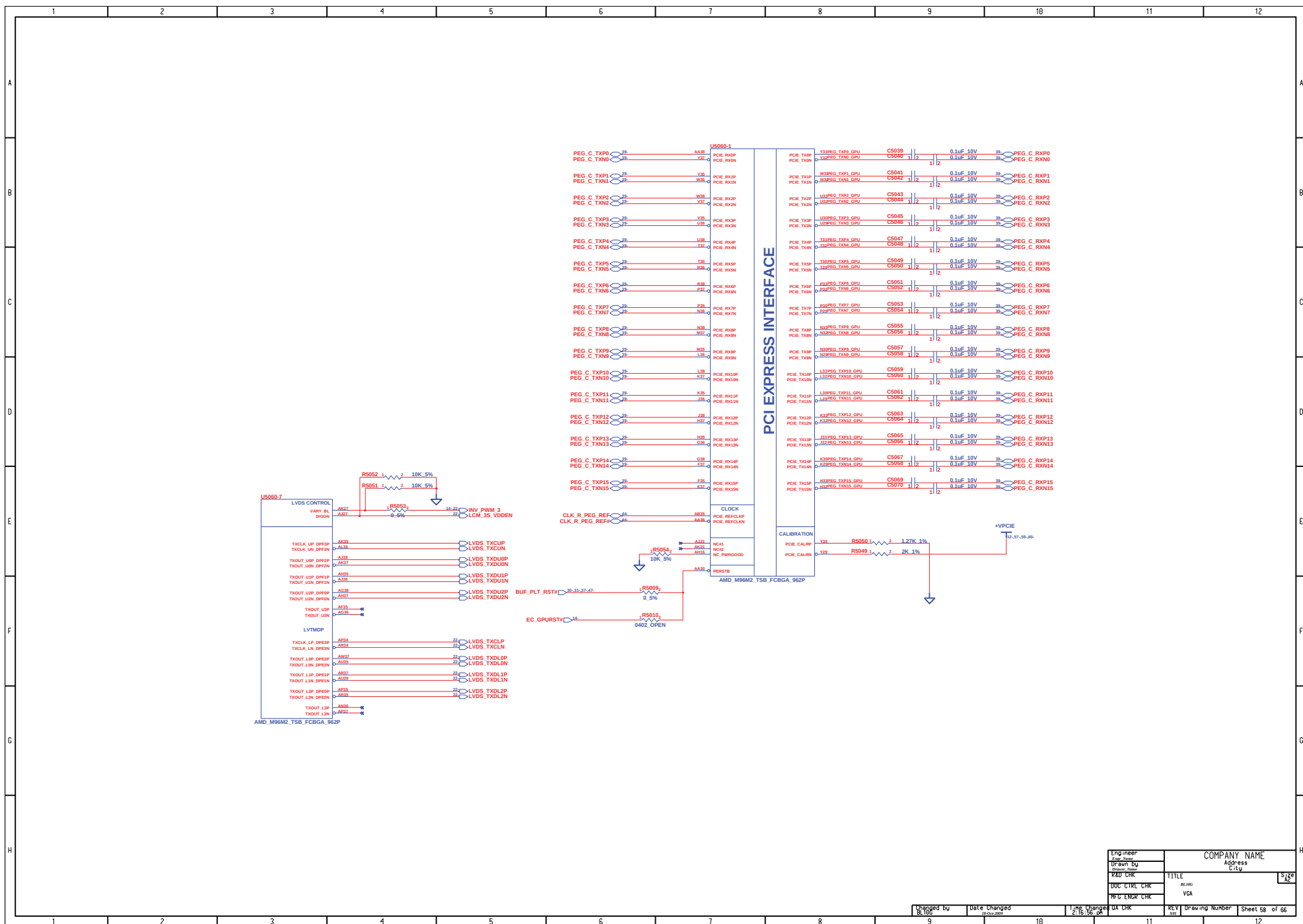
INVENTEC

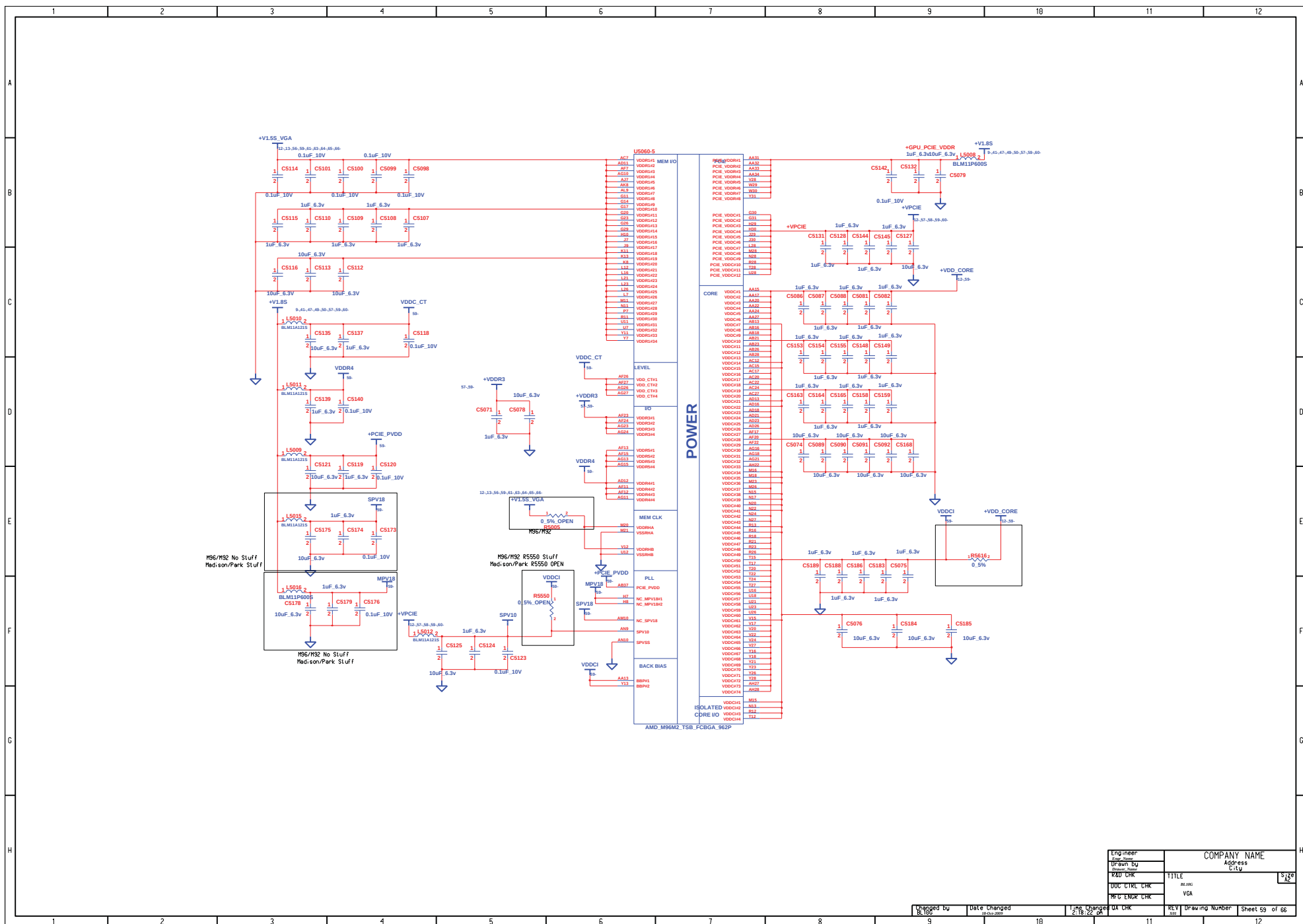
TITLE			
BL10G			
EMI			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	X01

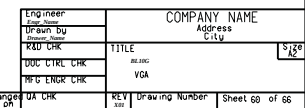
CHANGE by *Drawer Name* 18-Oct-2009

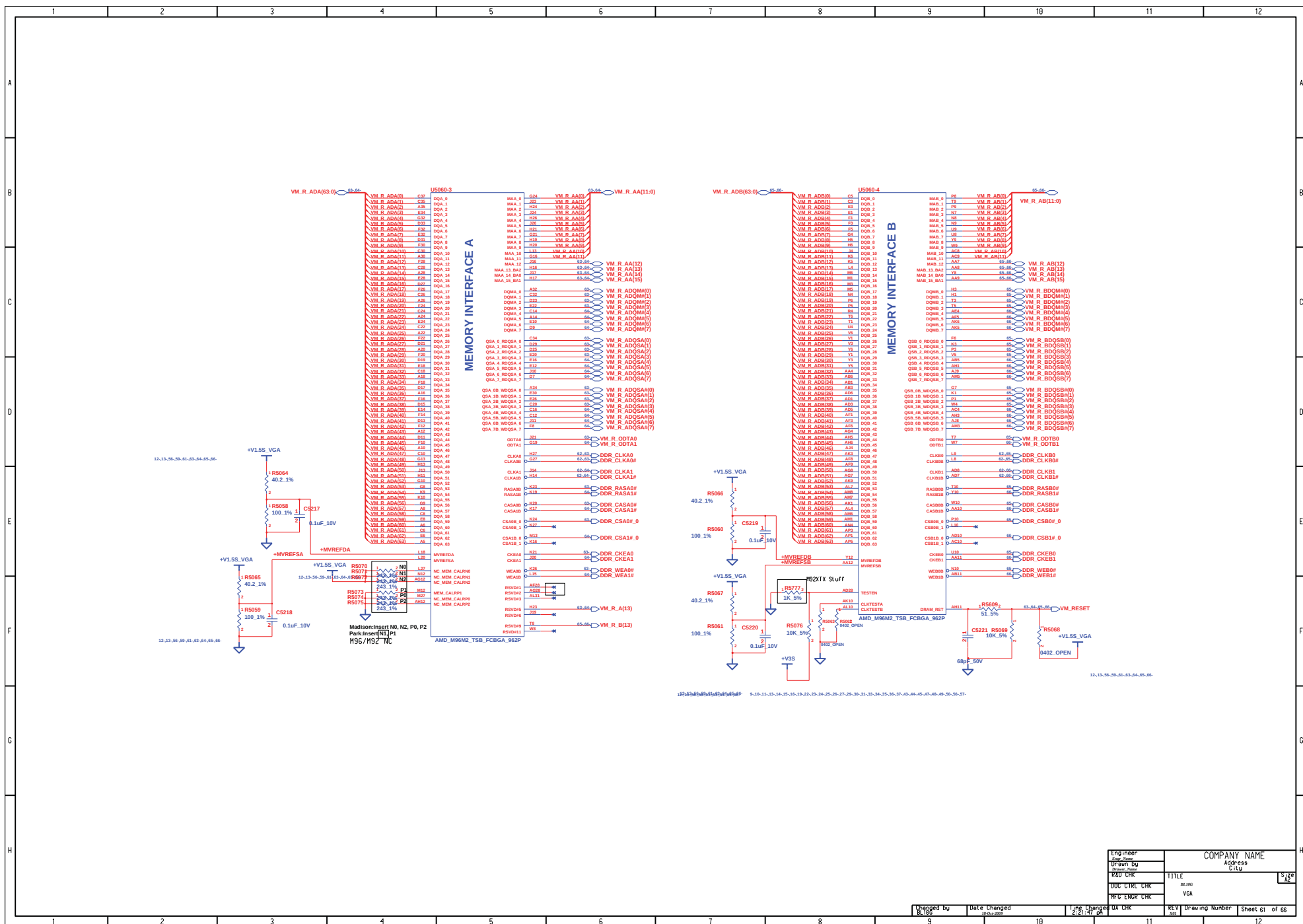
SHEET 56 OF 66

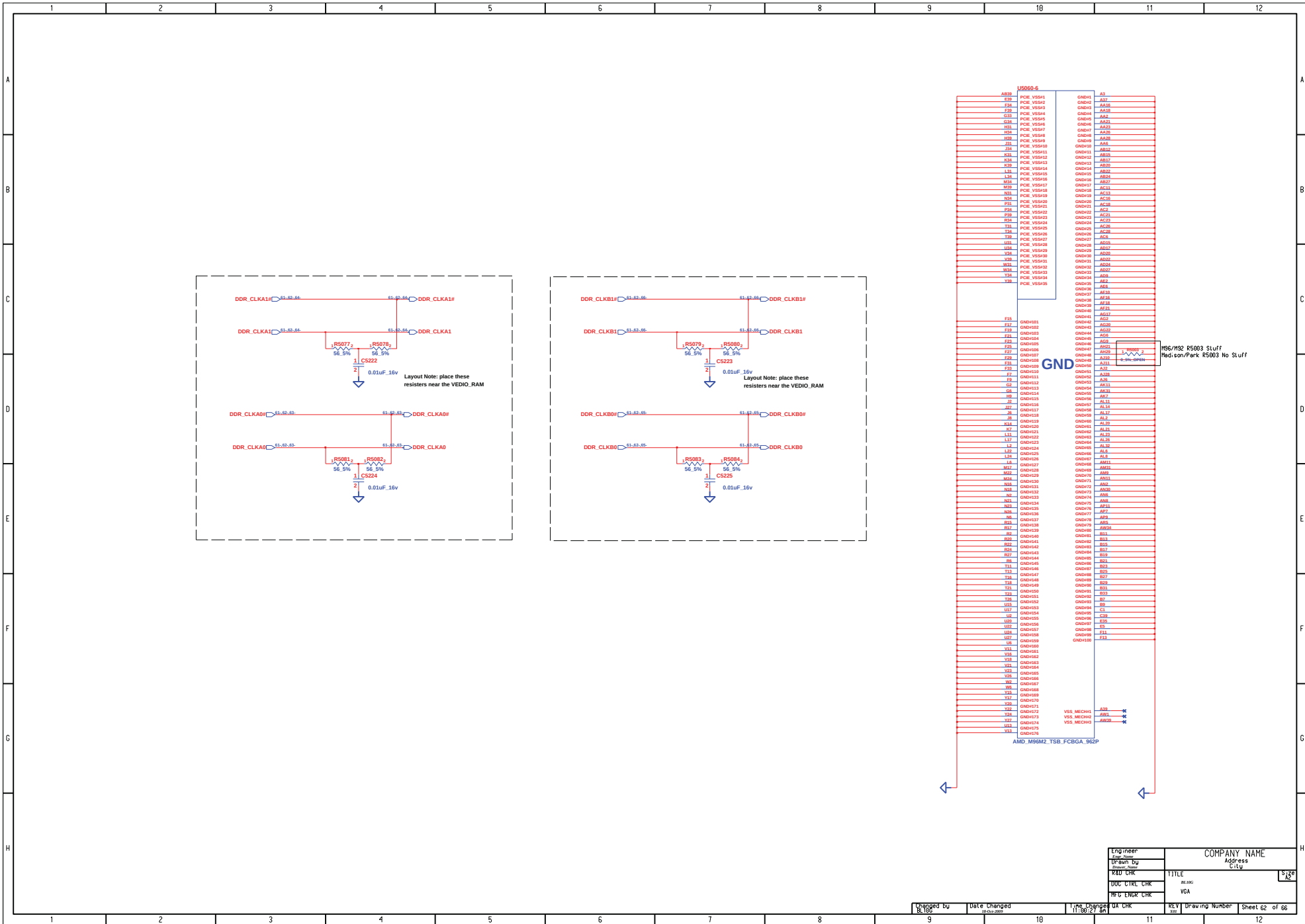


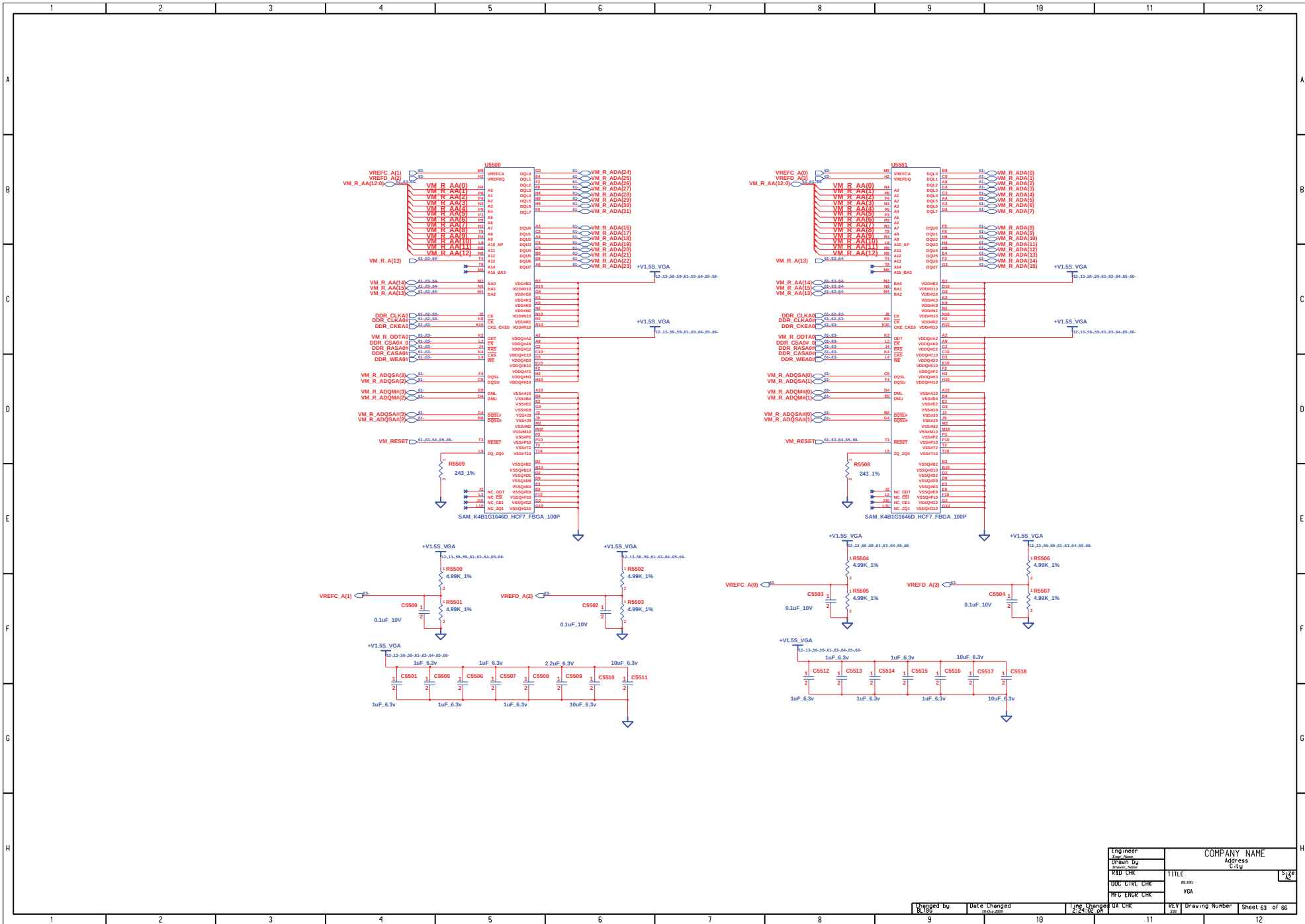


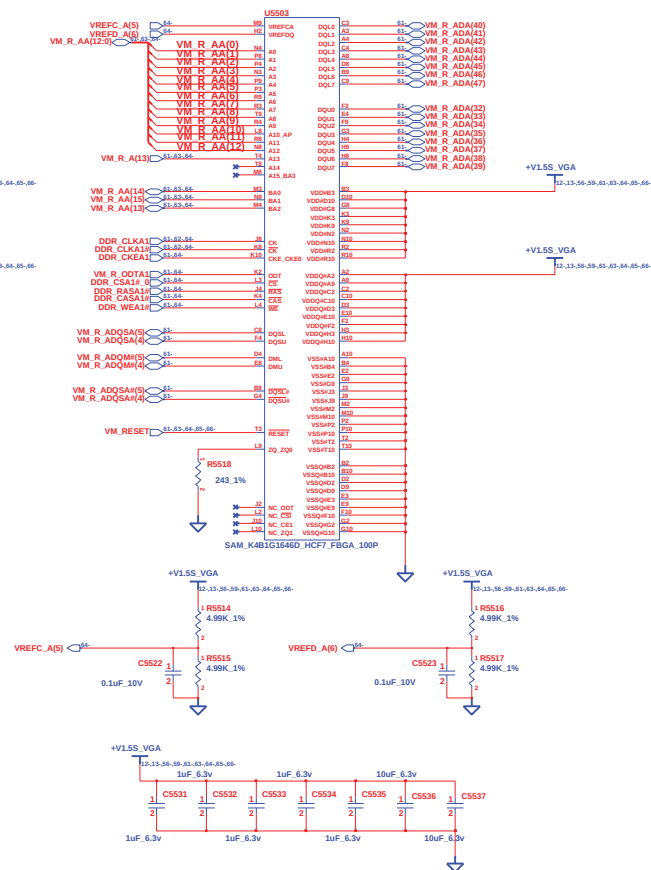






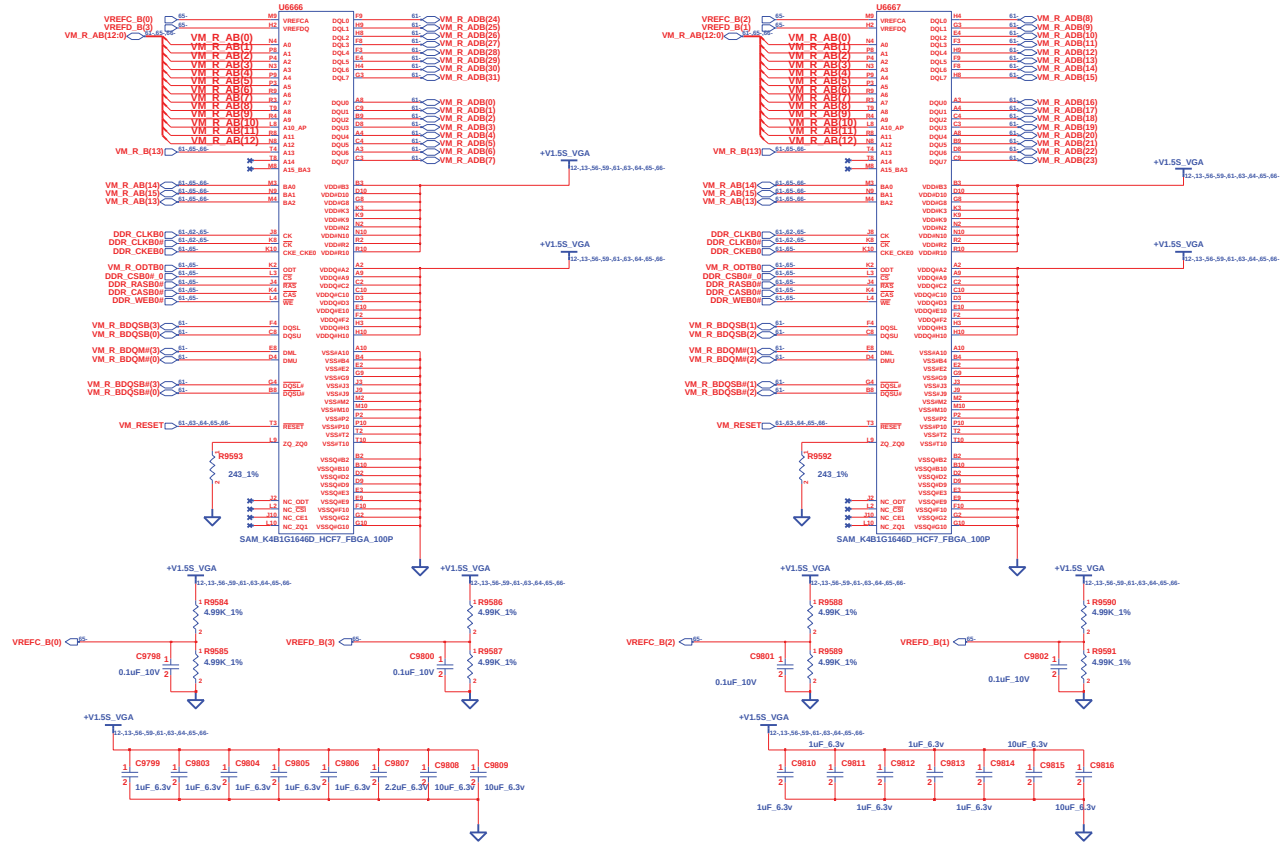






Engineer	COMPANY NAME		
Drawn by	Address		
City	City		
R&D CHK	TITLE	Size A0	
DOC CTRL CHK	ISSUED VA		
FIELD ENGR CHK			
QA CHK	REV NOT	Drawing Number	Sheet 64 of 66
11	12		

M92 Use channel B



Engineer <i>Last Name</i>	COMPANY NAME	
Drawn by <i>Drawn Name</i>	Address City	
R&D CHK	TITLE	Size A2
DWG CTRL CHK	REV:G VGA	
MFG ENGR CHK		
QA CHK	REV: Drawing Number Sheet <i>cc</i> of <i>cc</i>	

