

2010.03.18

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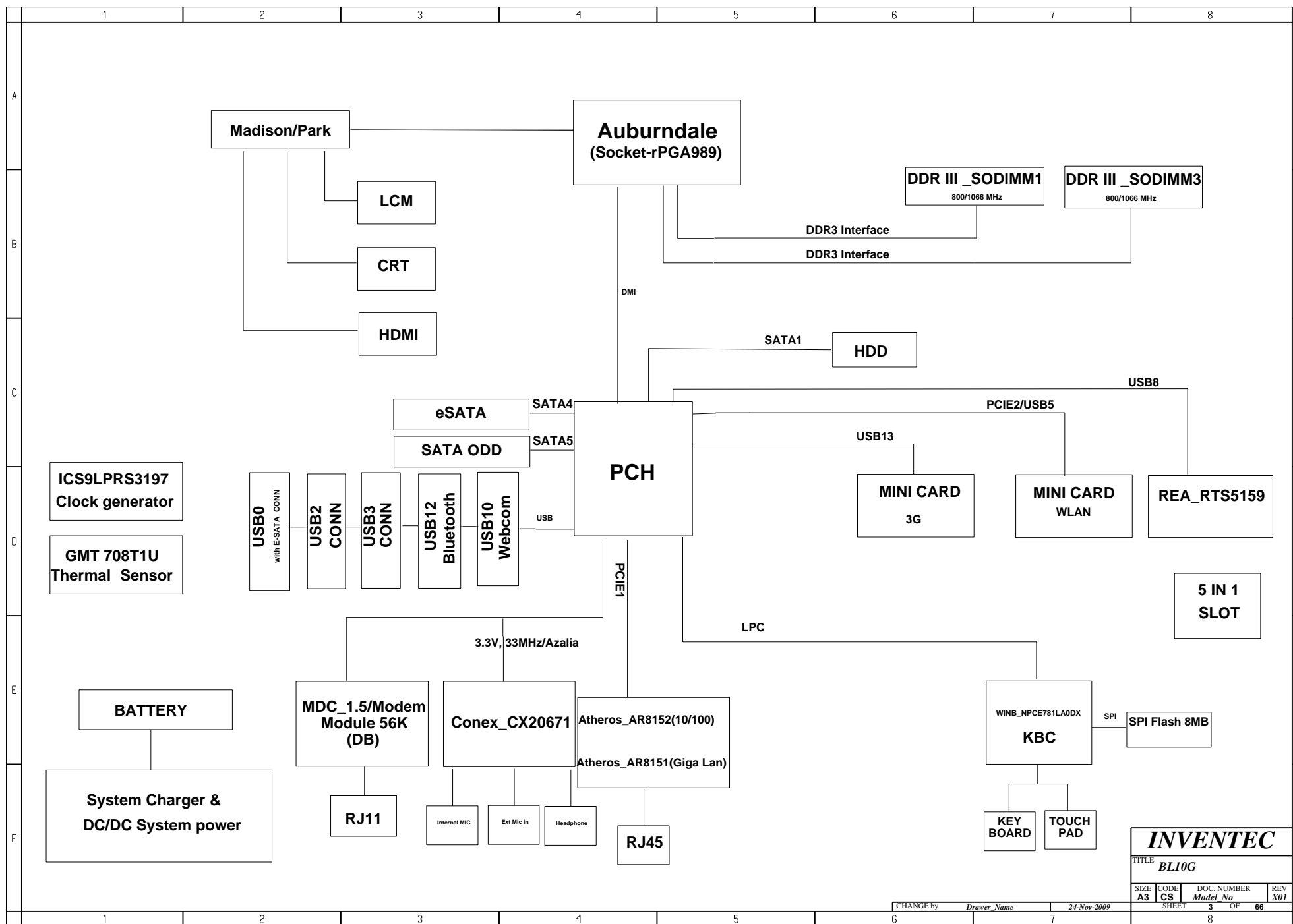
55. CARDREADER & USB BOARD
56. EMI
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62. GPU-6
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64. VRAM_DDR3
65. VRAM_DDR3
66. VRAM_DDR3

INVENTEC

TITLE
BL10G

SIZE A3	CODE CS	DOC. NUMBER <i>Model No</i>	REV X01
SHEET 2		OF 66	

CHANGE by *Drawer Name* 18-Oct-2009



	1	2	3	4	5	6	7	8	
A	<div>Need to update power map.</div>								A
B									B
C									C
D									D
E									E
F									F
	1	2	3	4	5	6	7	8	

INVENTEC

TITLE
BL10G

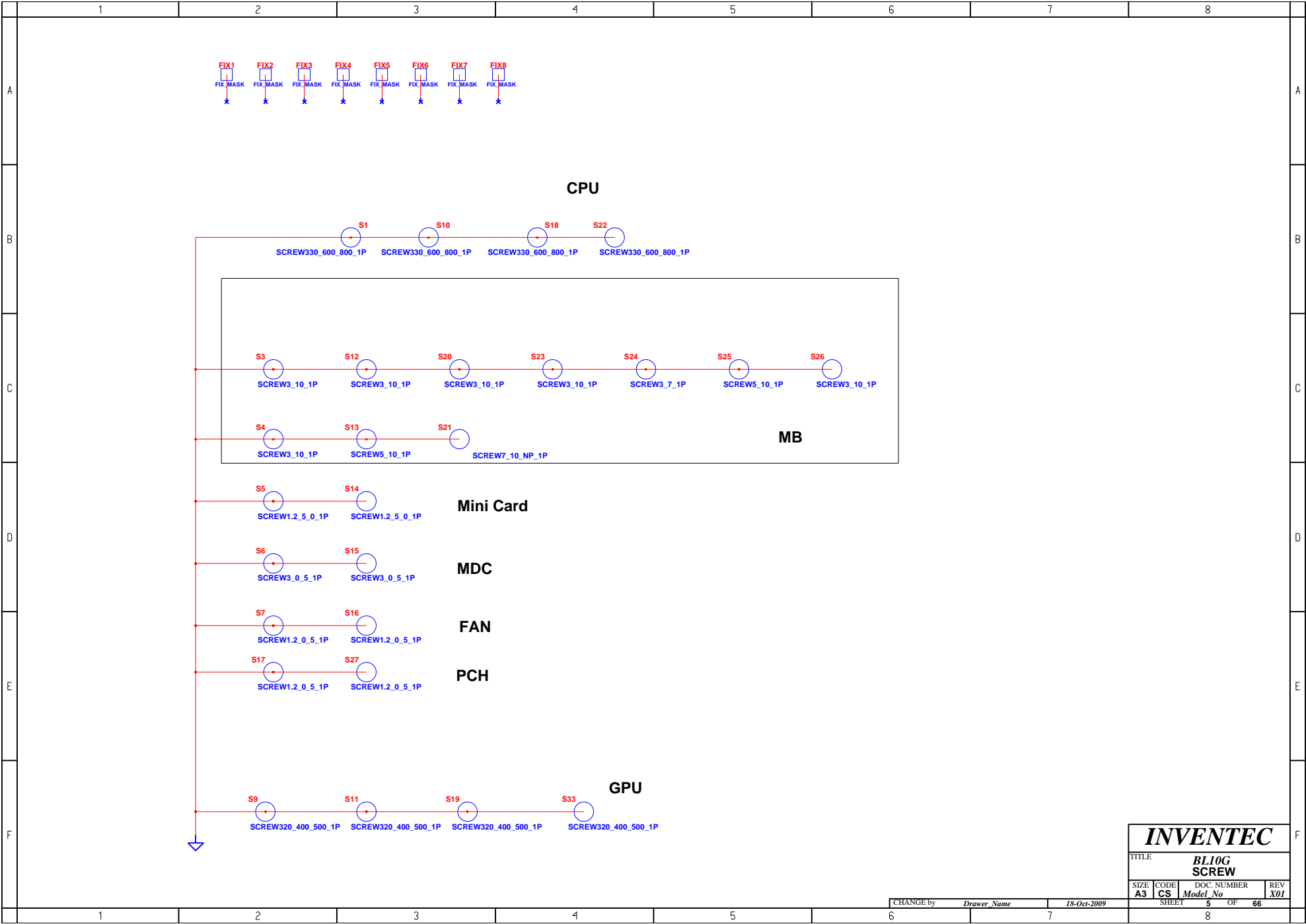
SIZE
A3

CODE
CS

DOC. NUMBER
Model No

REV
X01

SHEET 4 OF 66



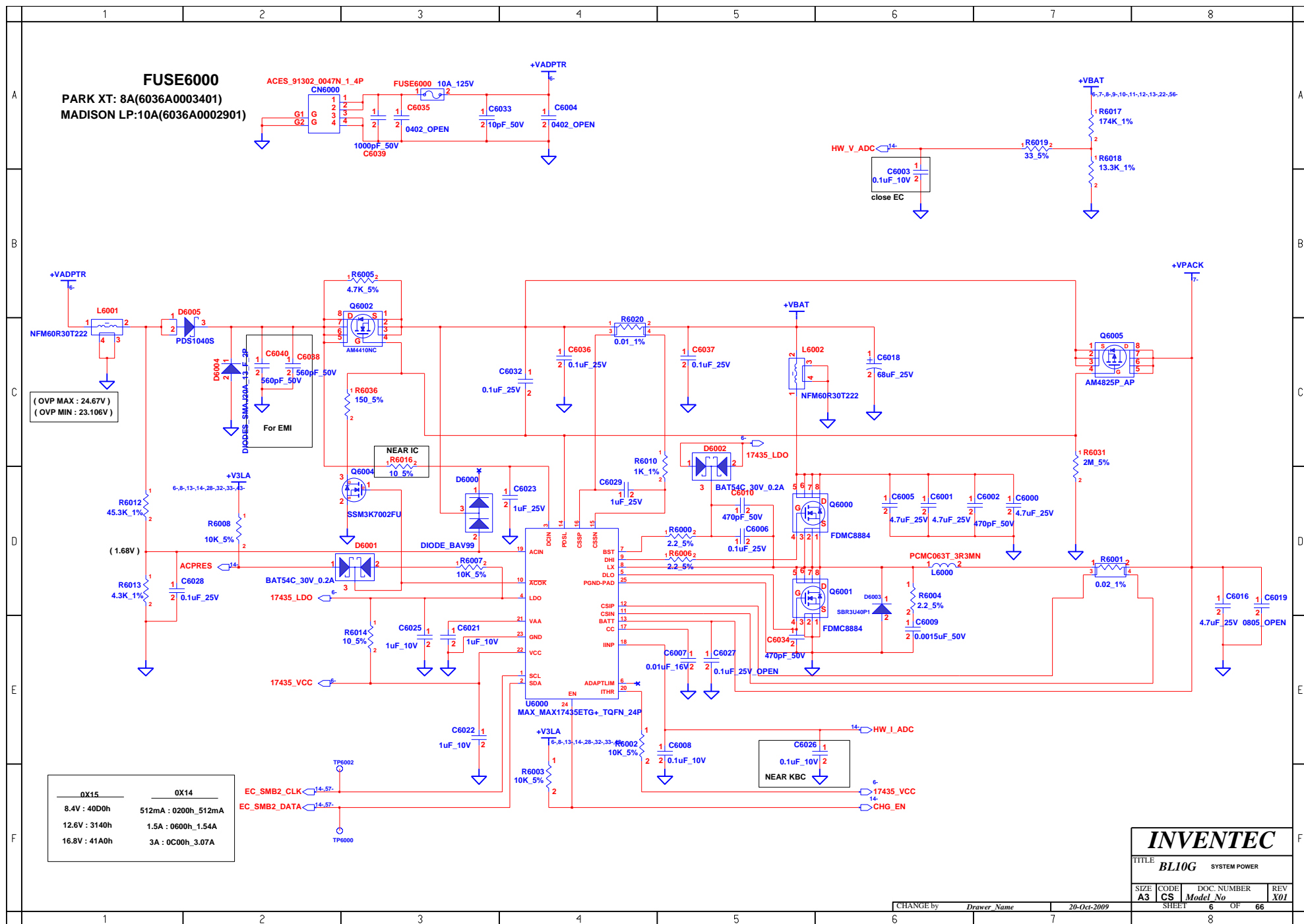
INVENTEC

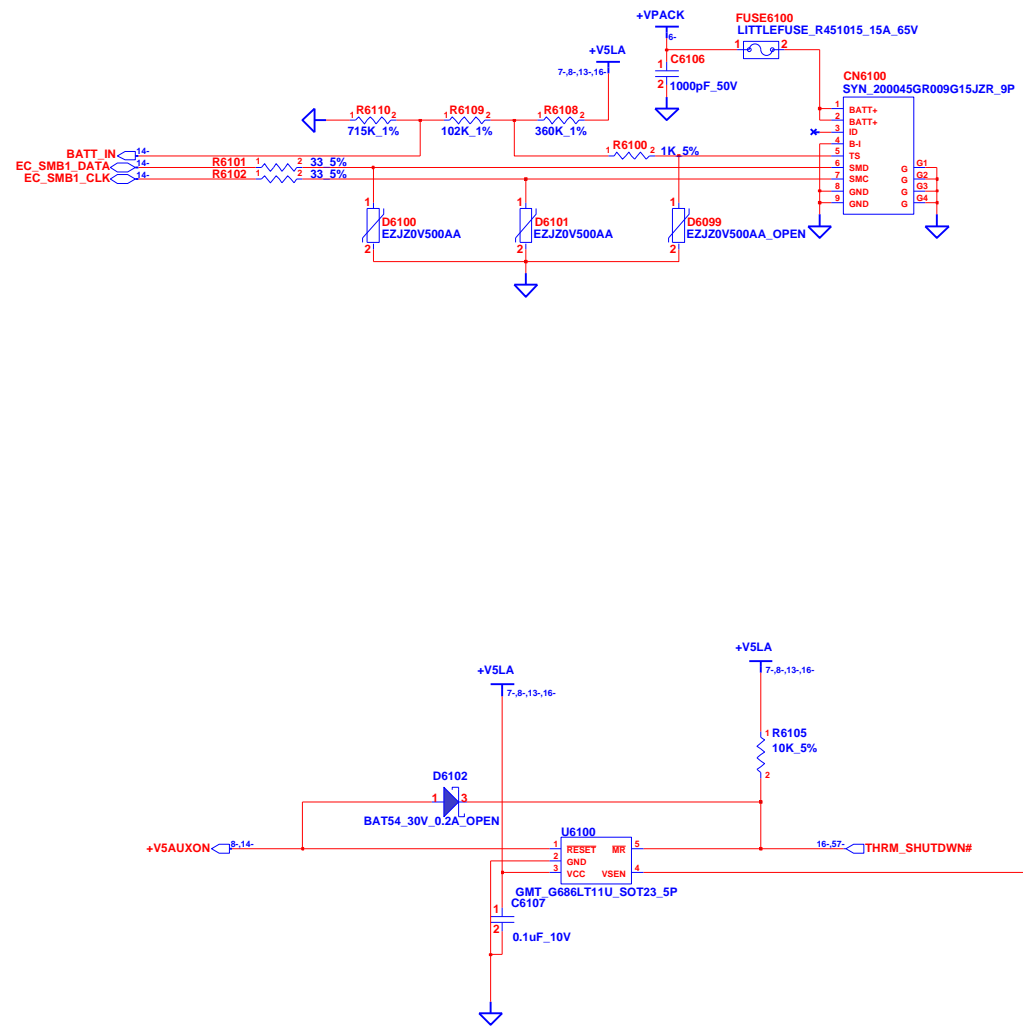
TITLE
**BL10G
SCREW**

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

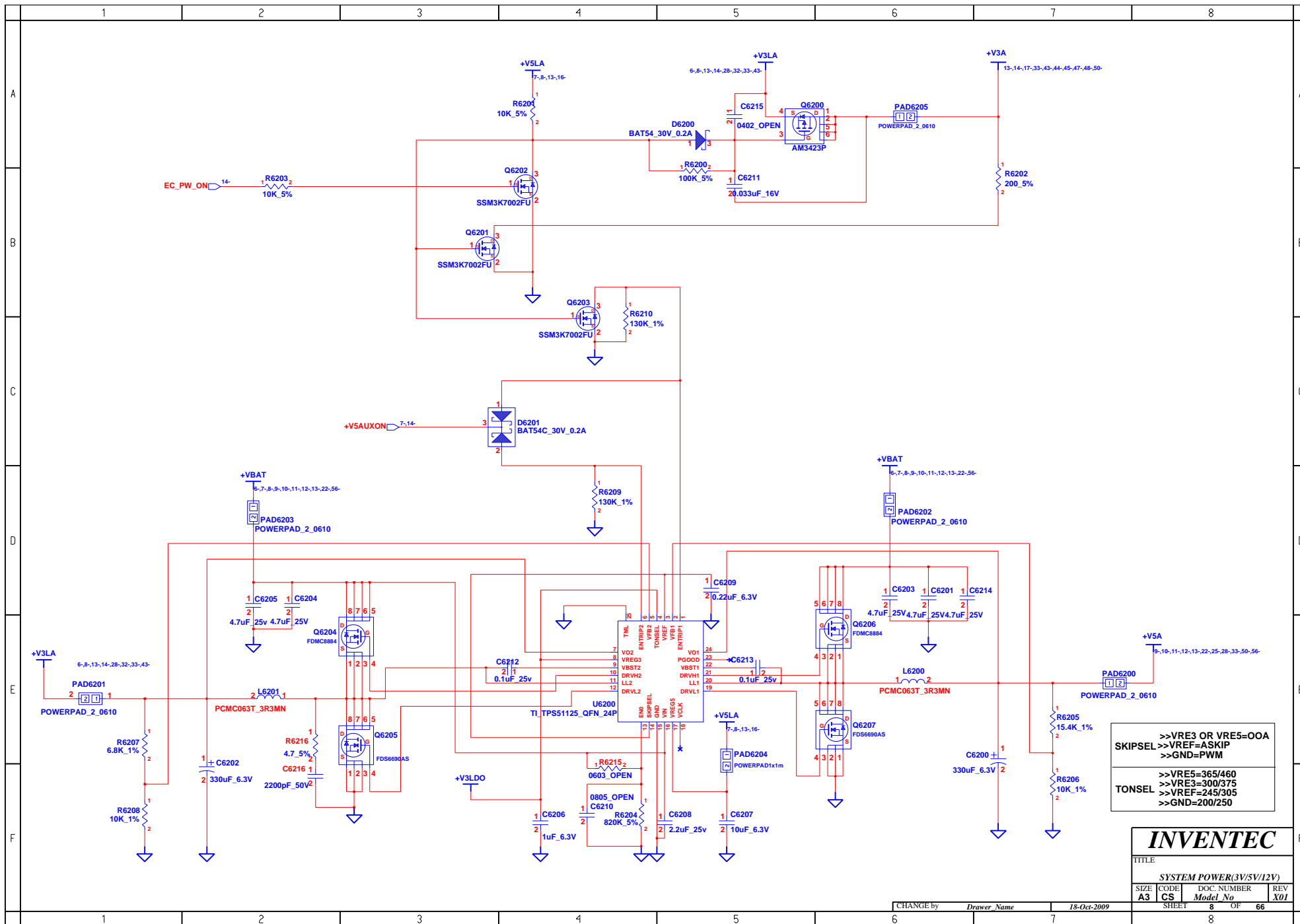
SHEET 5 OF 66

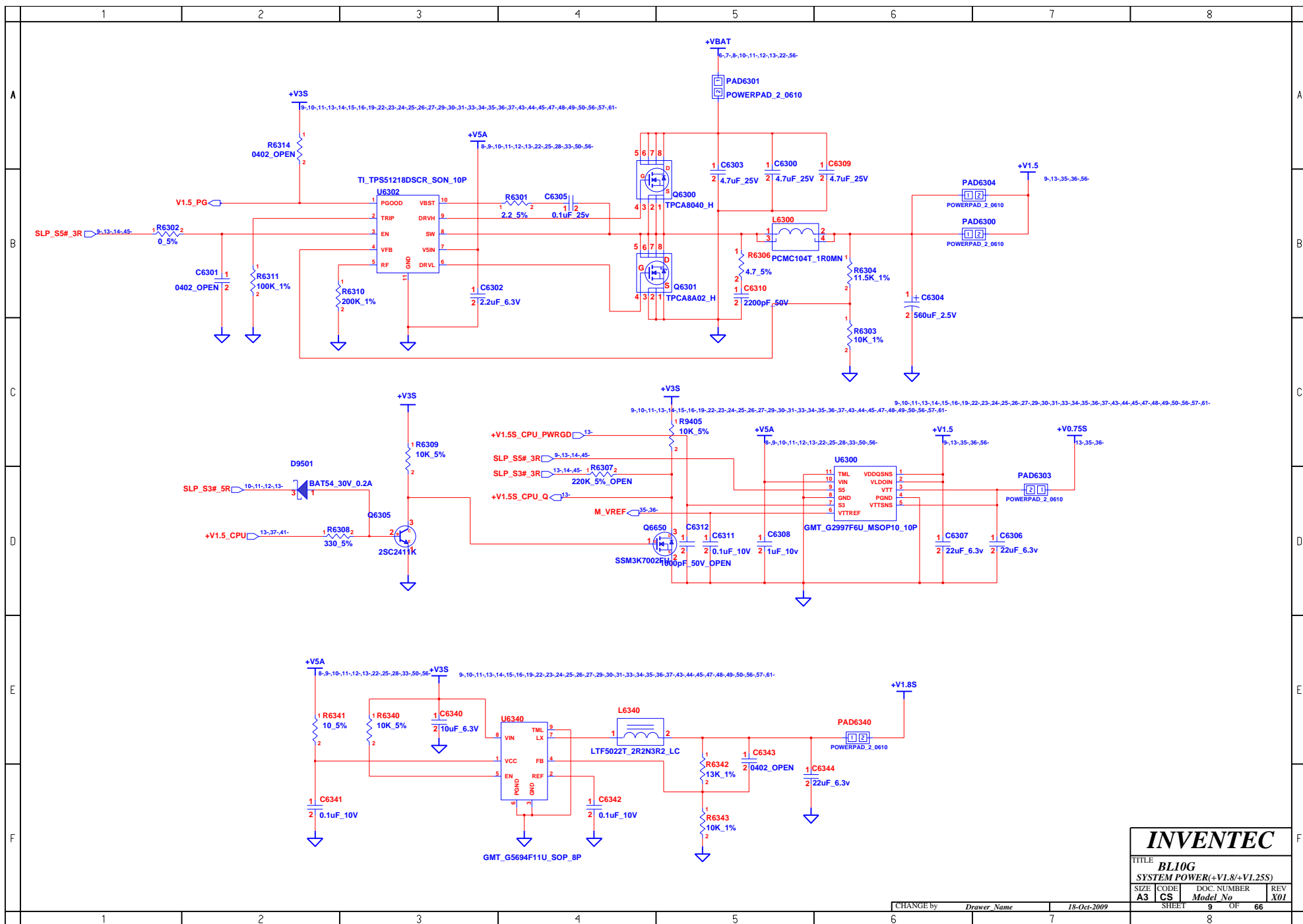


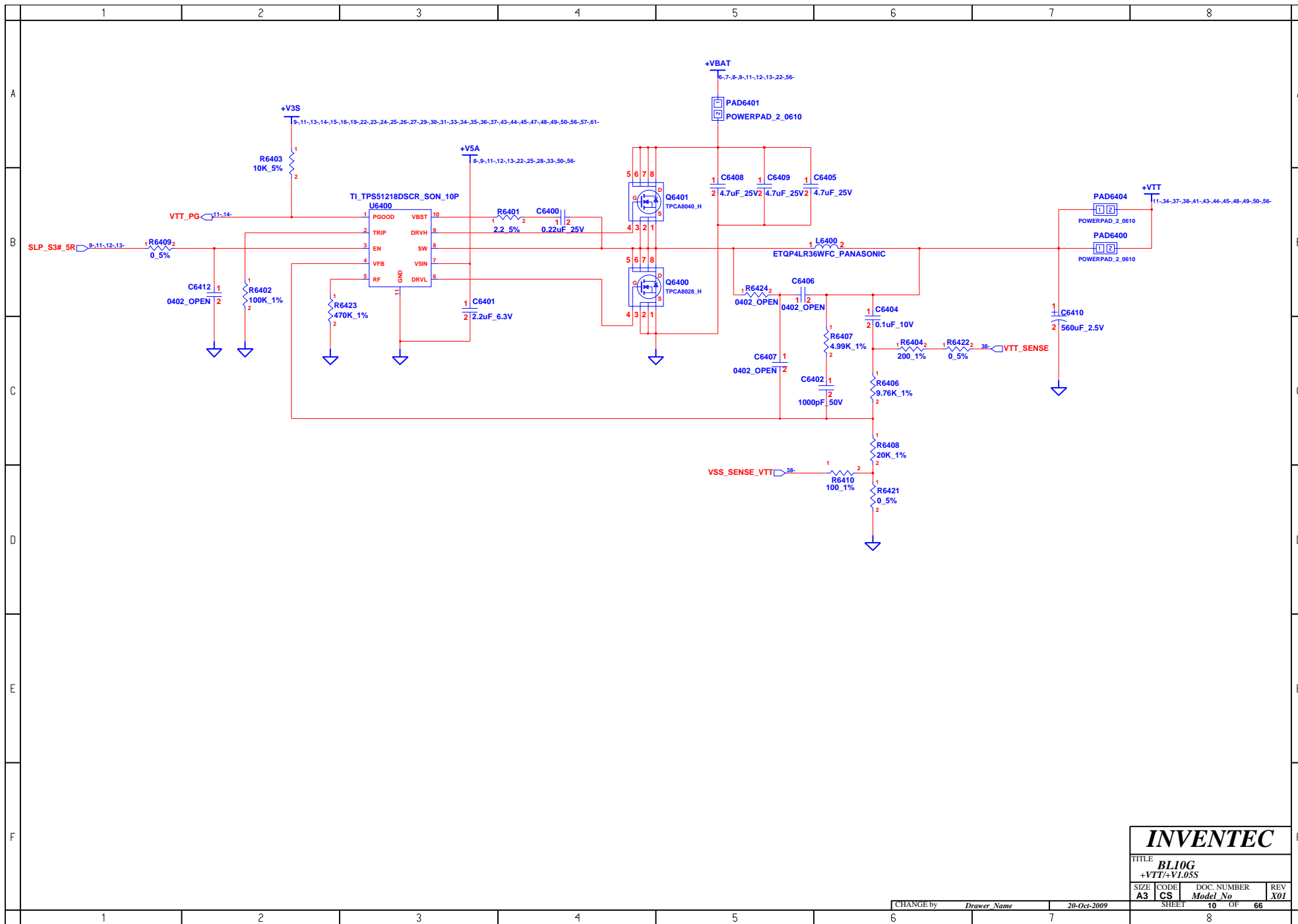


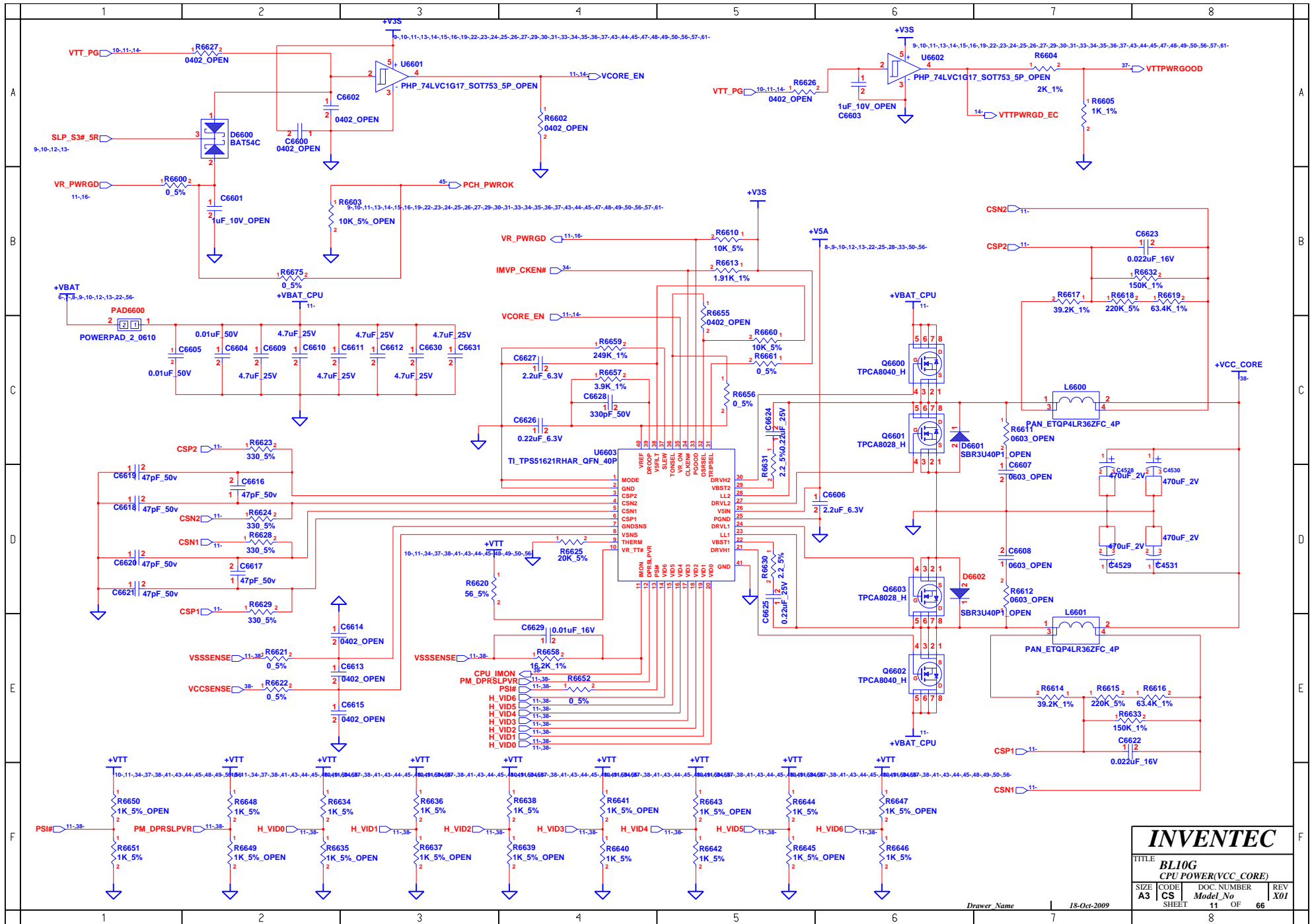
INVENTEC			
TITLE			
BLI0G			
SELECT & BATTERY CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	X01
SHEET		7	OF 66

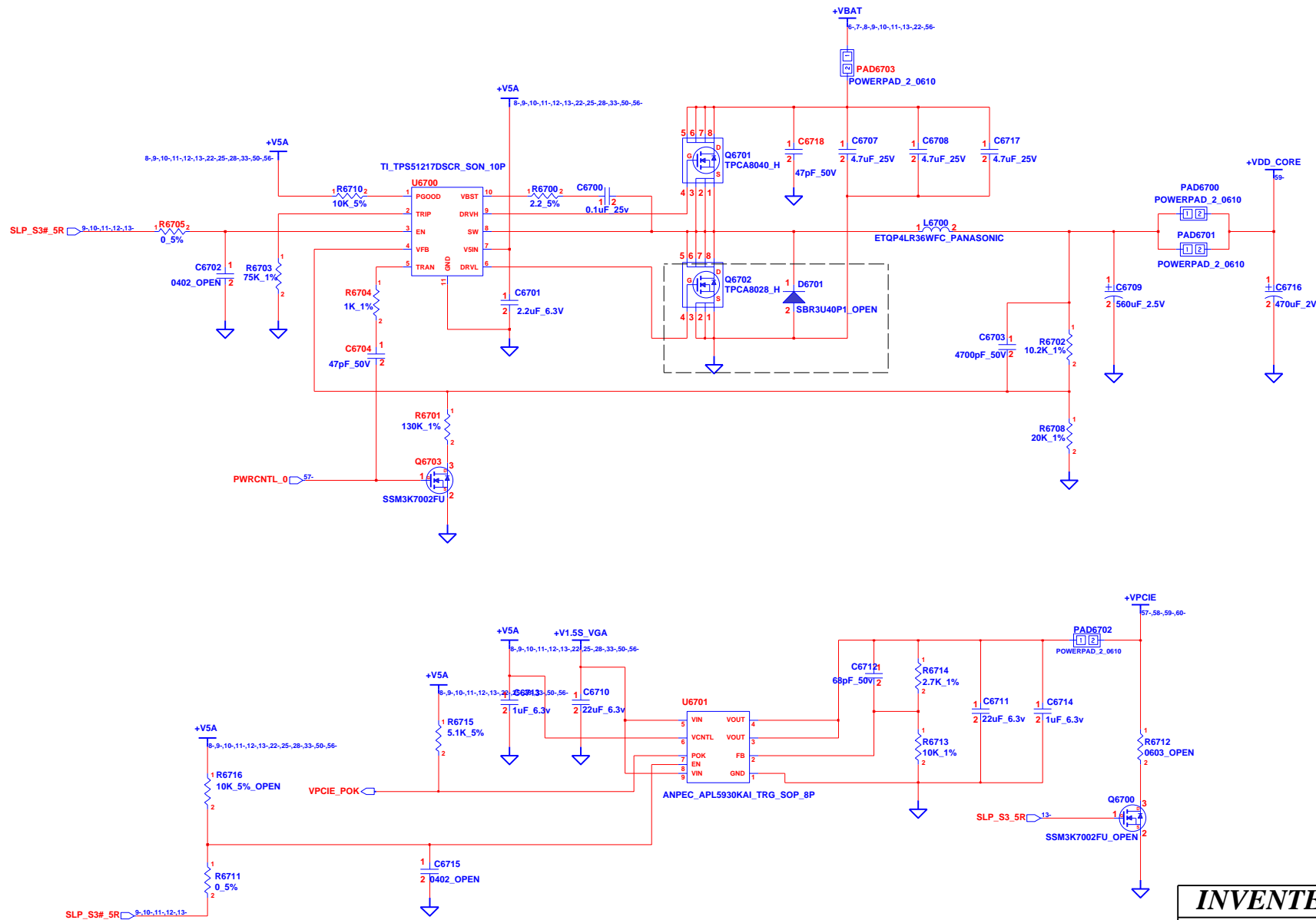
CHANGE by *Drawer Name* 18-Oct-2009





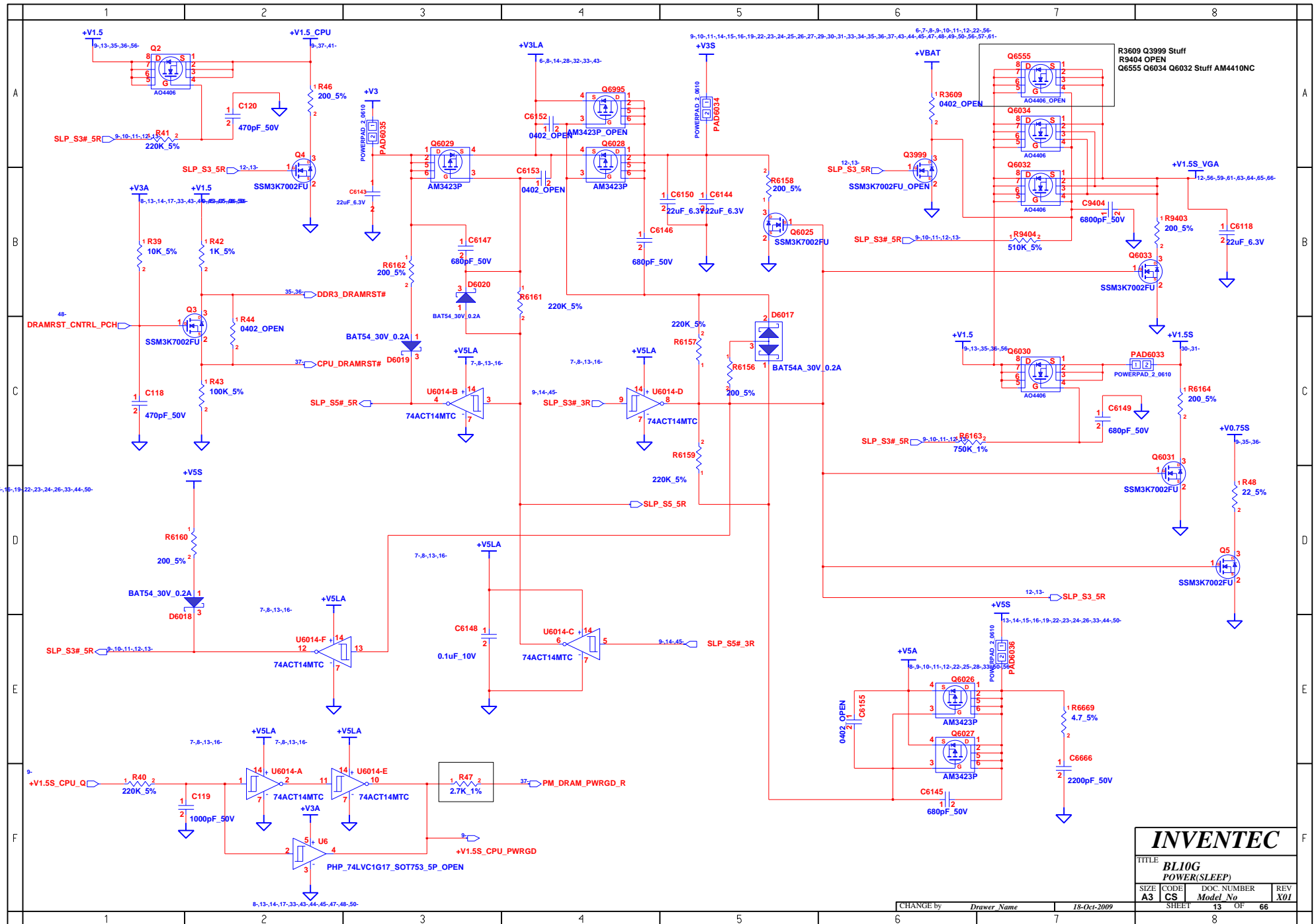


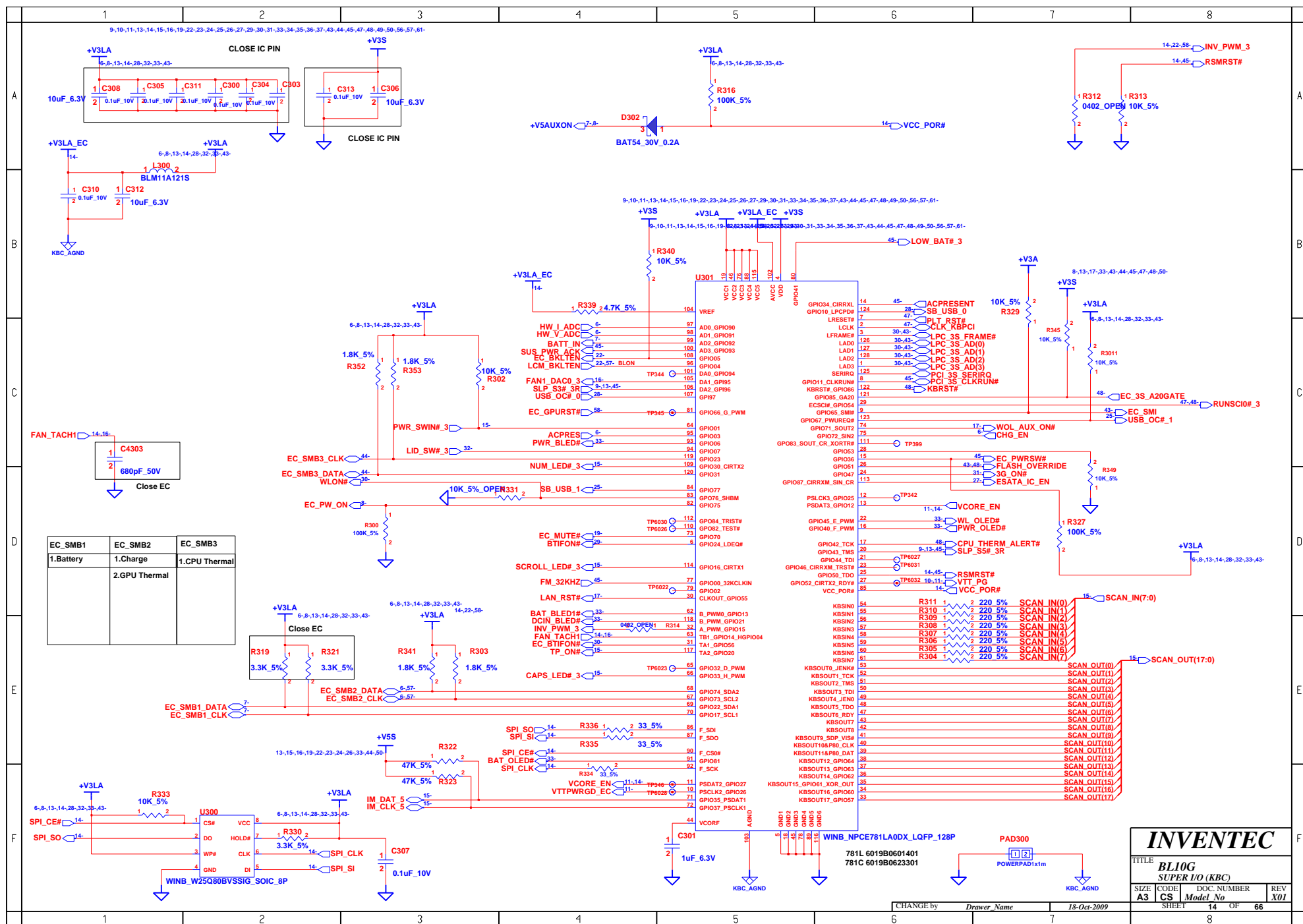


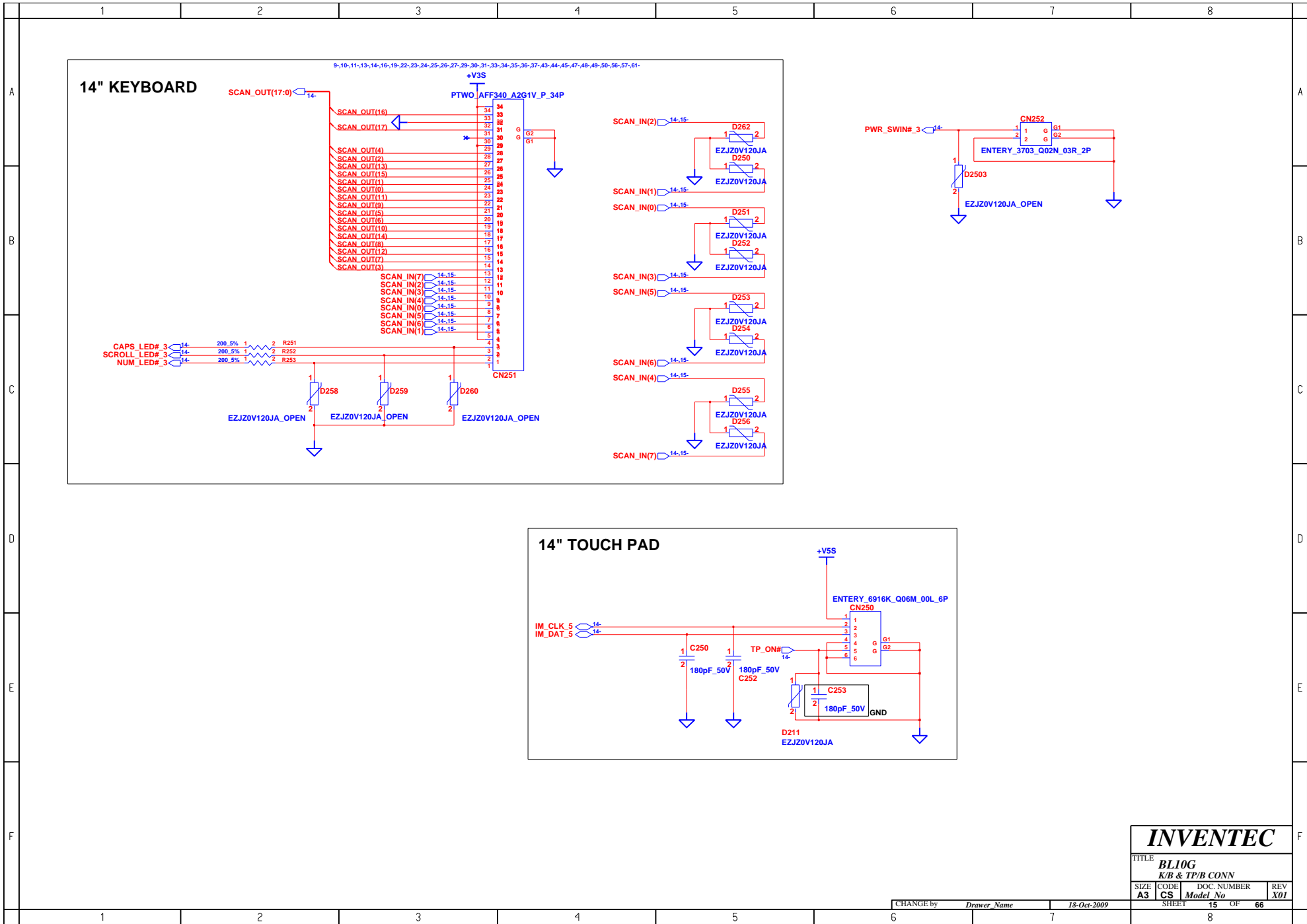


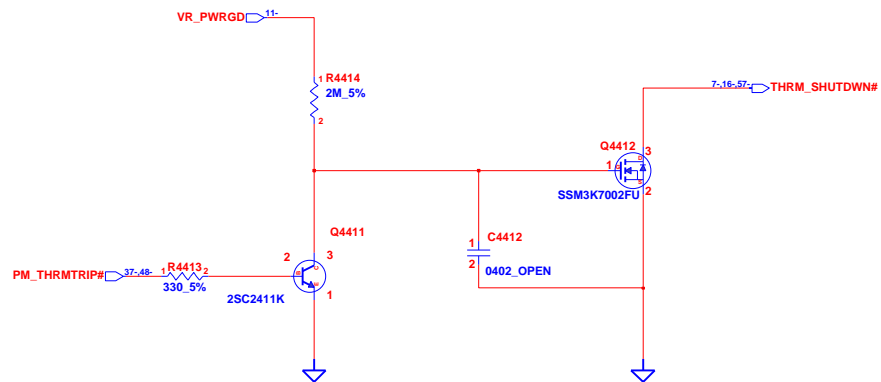
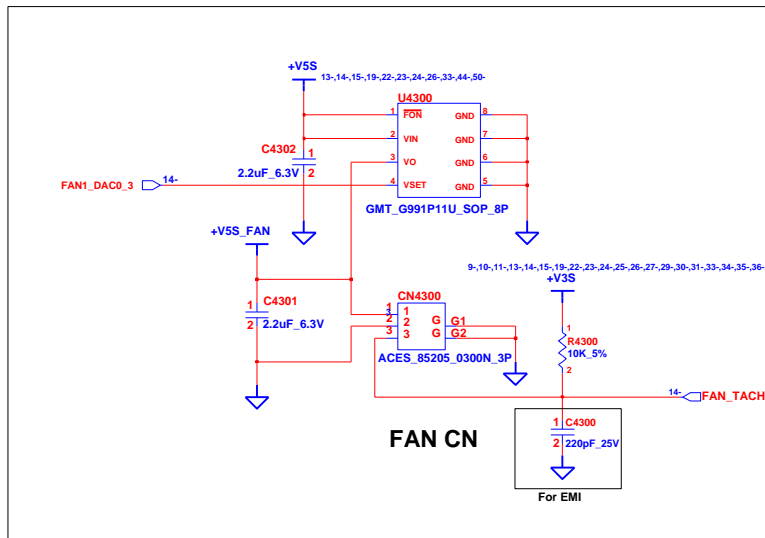
INVENTEC			
TITLE BL10G			
VGA POWER			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV X01
SHEET 12		OF 66	

CHANGE by *Drawer Name* 18-Oct-2009

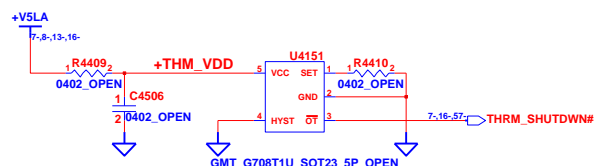








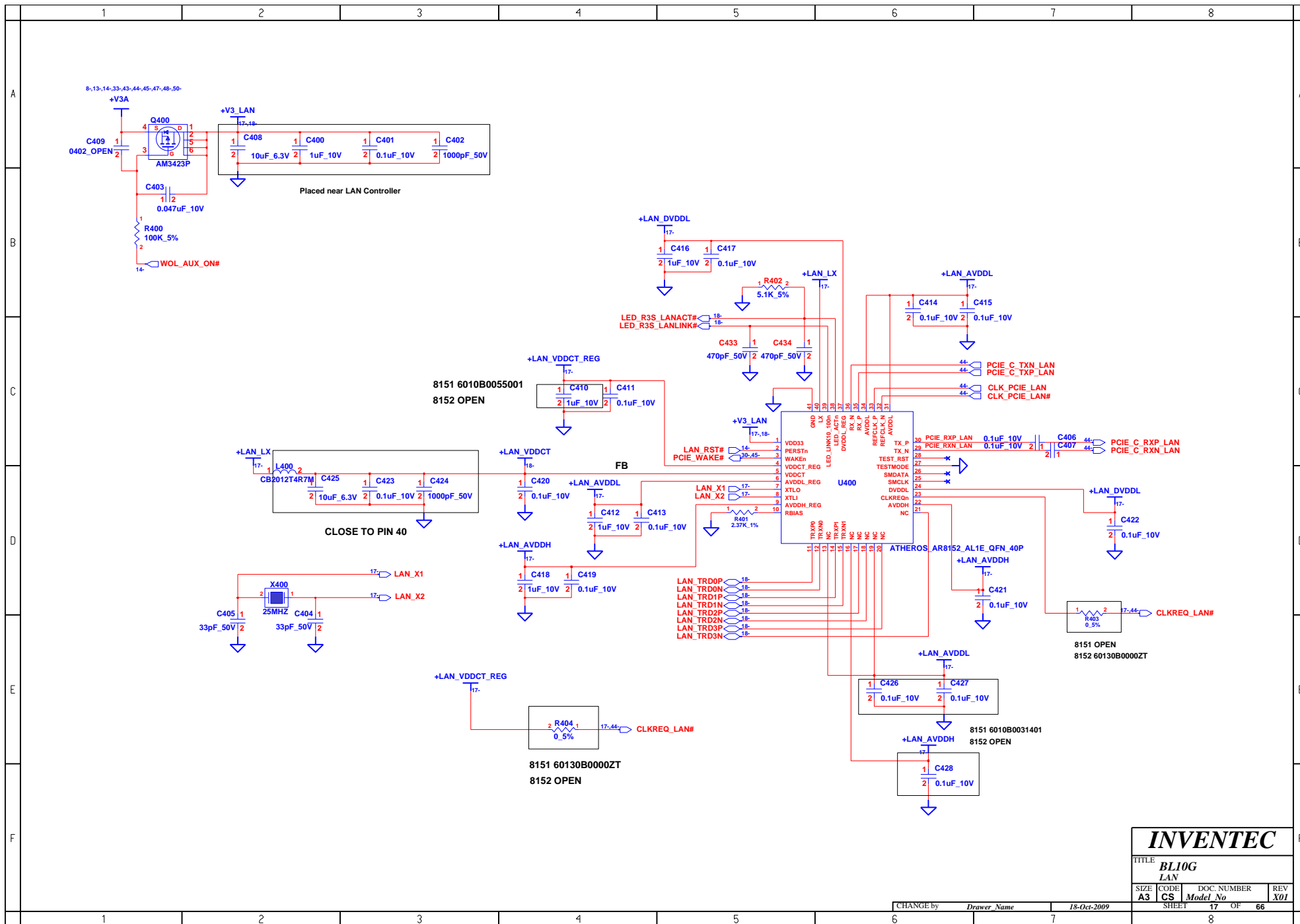
GM Thermal shutdown at 80.8°C +/-3°C from 60°C to 100°C
 PM Thermal shutdown at 86°C +/-3°C from 60°C to 100°C
 $RSET=0.0012 \times T^2 - 0.9308 \times T + 96.147$
 Hysteresis is 30C



INVENTEC

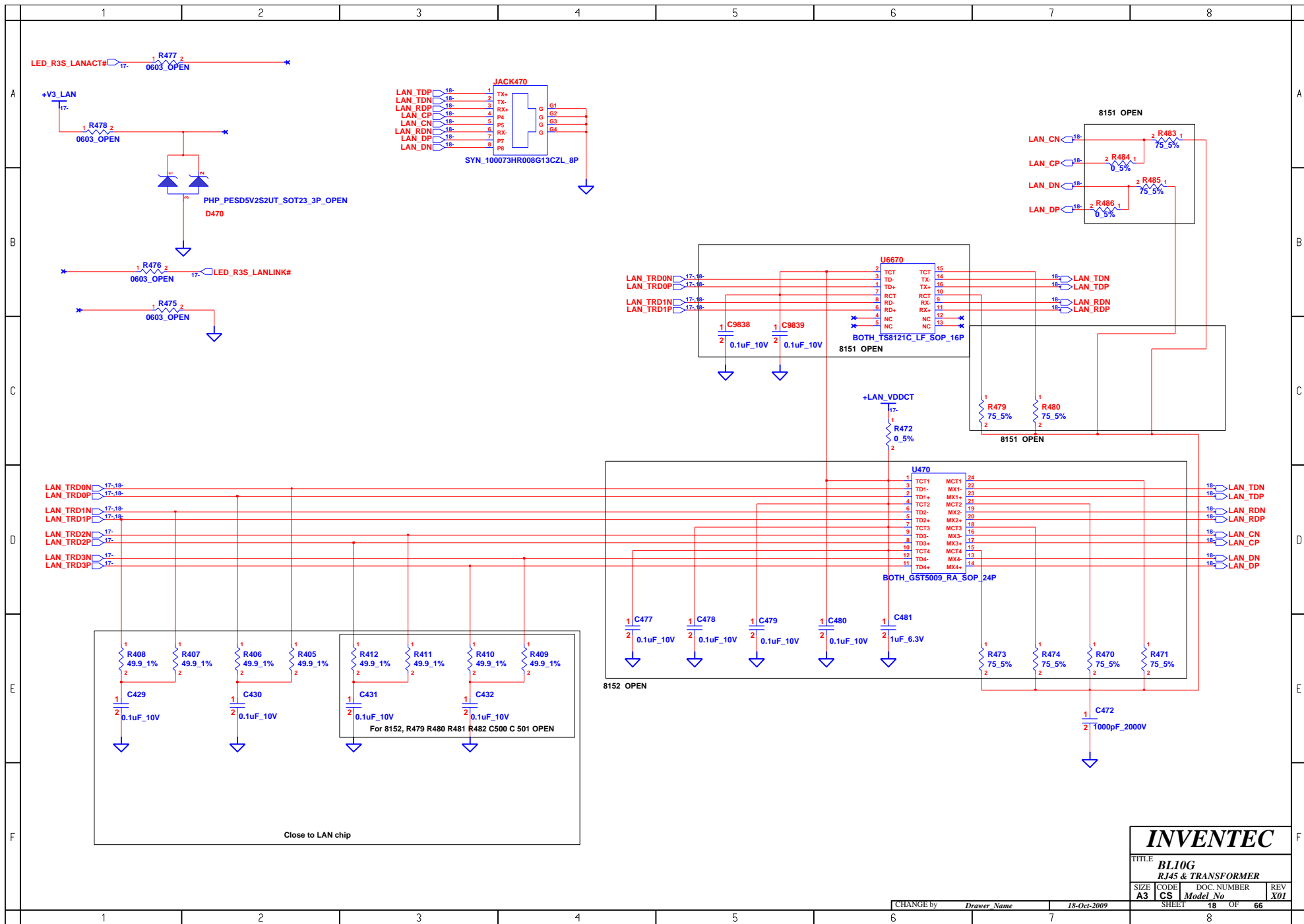
TITLE			
BLI0G			
FAN,Thermal controller			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	X01
SHEET		16	OF 66

CHANGE by *Drawer Name* 18-Oct-2009



INVENTEC

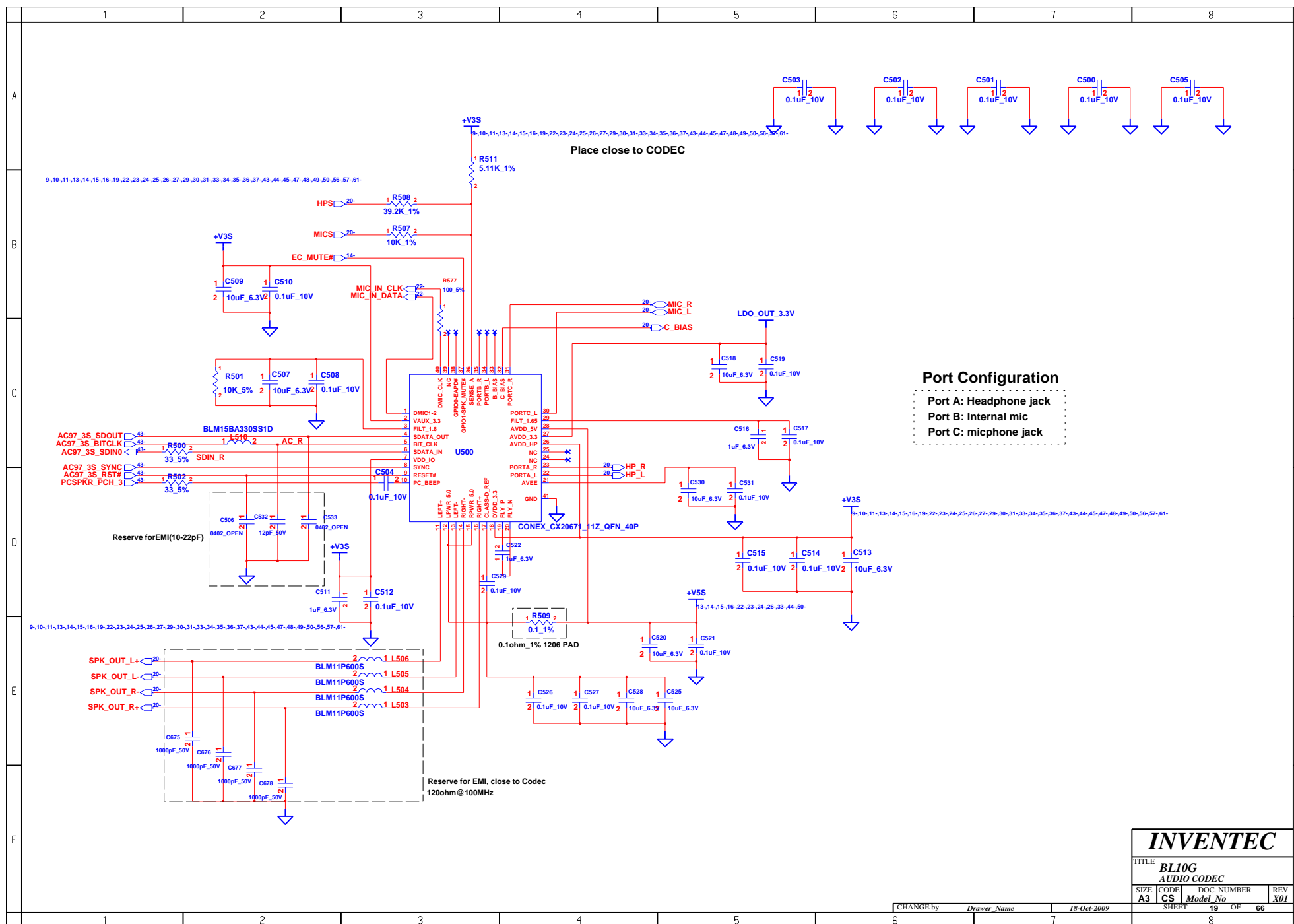
TITLE BL10G LAN			
SIZE A3	CODE CS	DOC. NUMBER <i>Model No</i>	REV X01
CHANGE by <i>Drawer Name</i>		18-Oct-2009	
SHEET 17		OF 66	



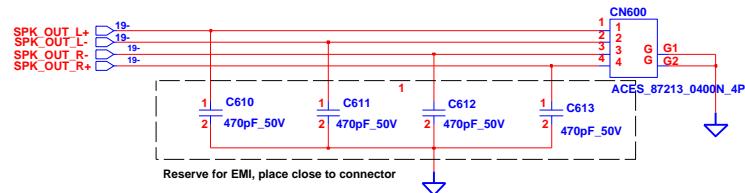
INVENTEC

TITLE			
BLI0G			
RJ45 & TRANSFORMER			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	X01
SHEET		18	OF 66

CHANGE by *Drawer Name* 18-Oct-2009

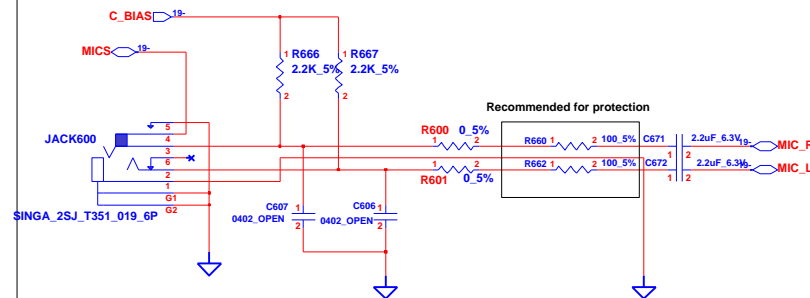


INTERNAL SPEAKERS

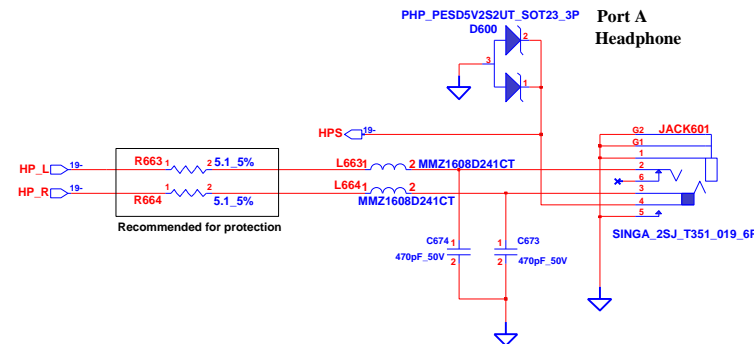


AUDIO JACKS

Port C
External microphone



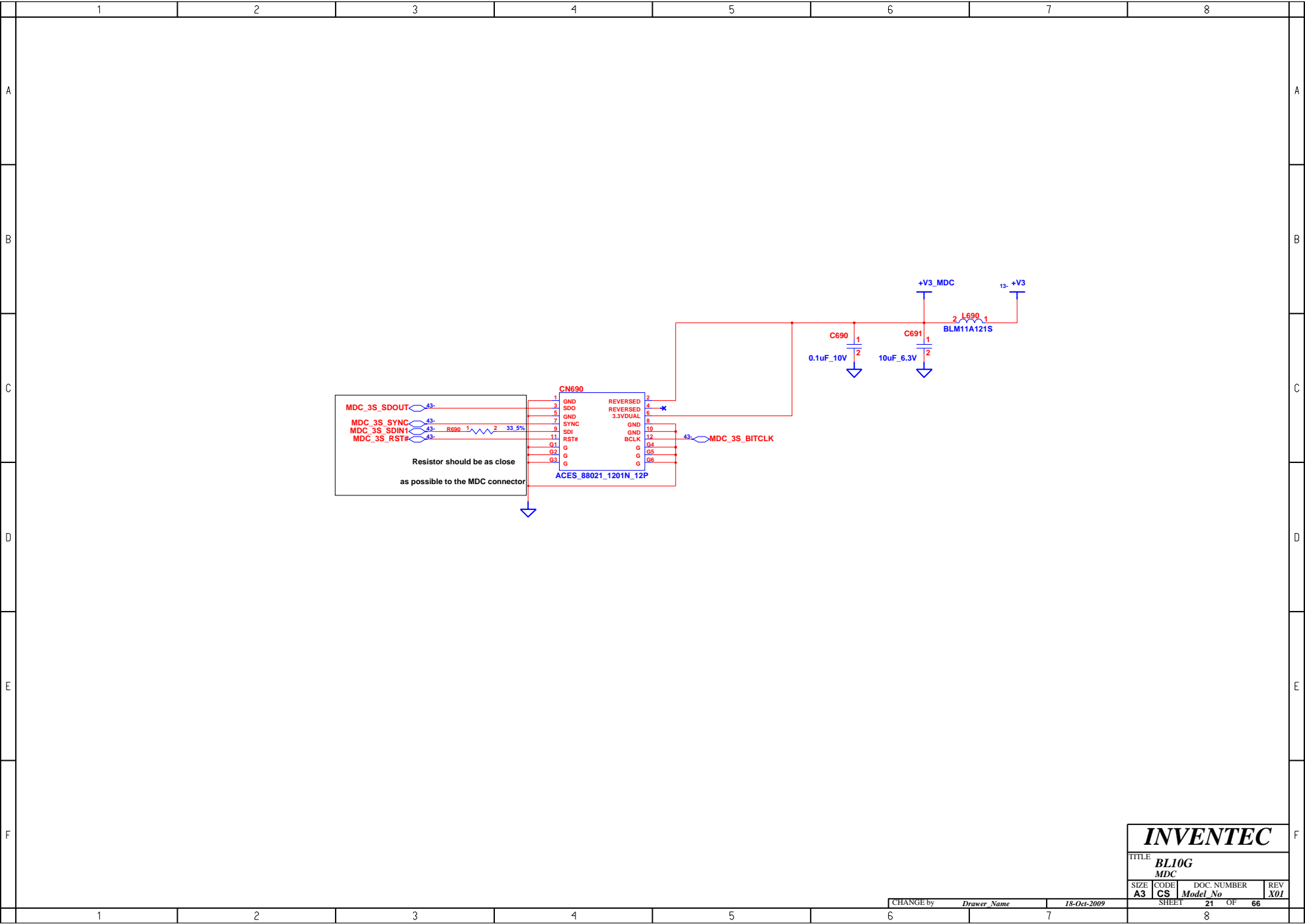
Port A
Headphone



INVENTEC

TITLE			
BL10G AUDIO AMP&MIC&SPEAKER			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	X01
SHEET		20	OF 66

CHANGE by *Drawer Name* 18-Oct-2009

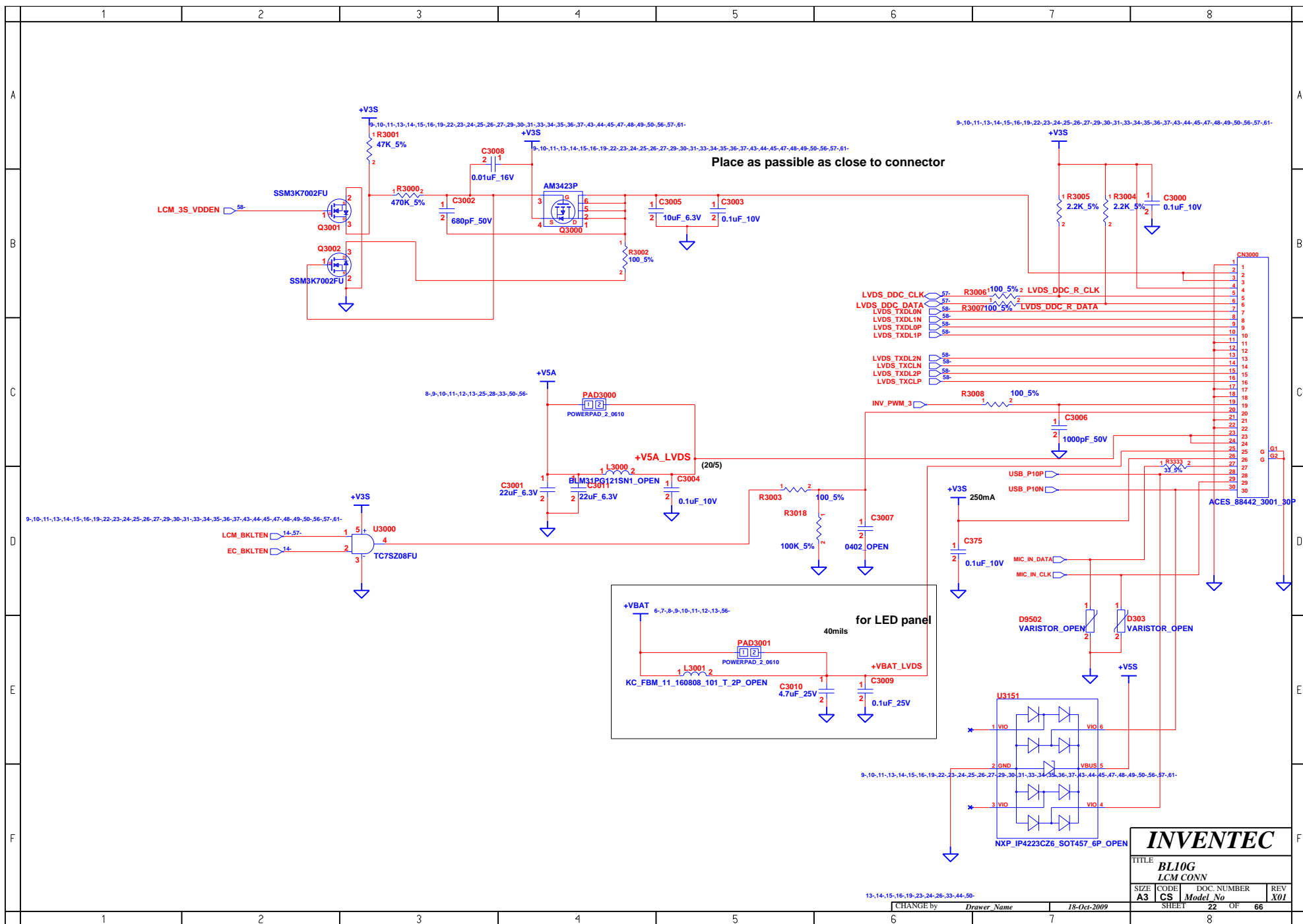


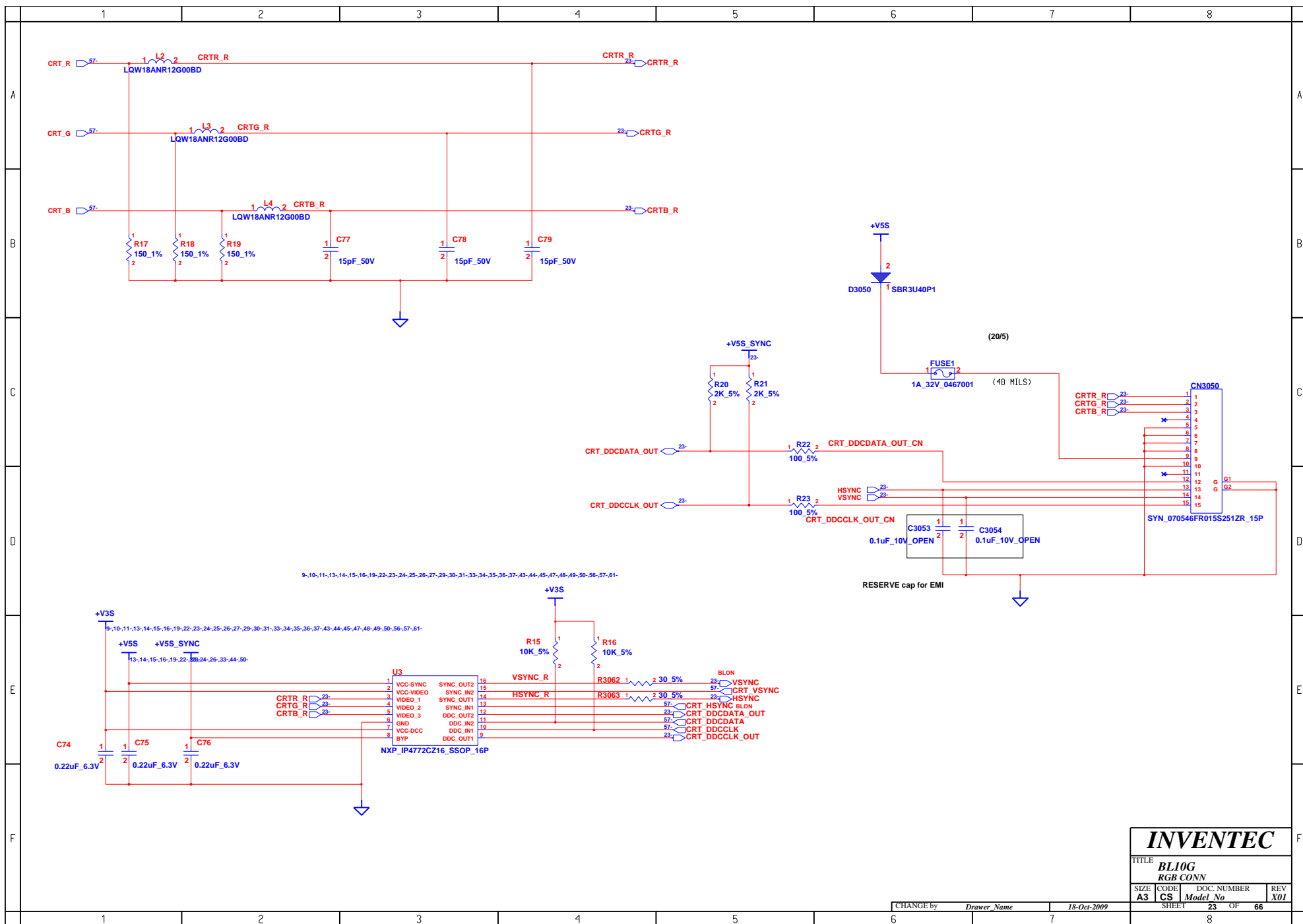
INVENTEC

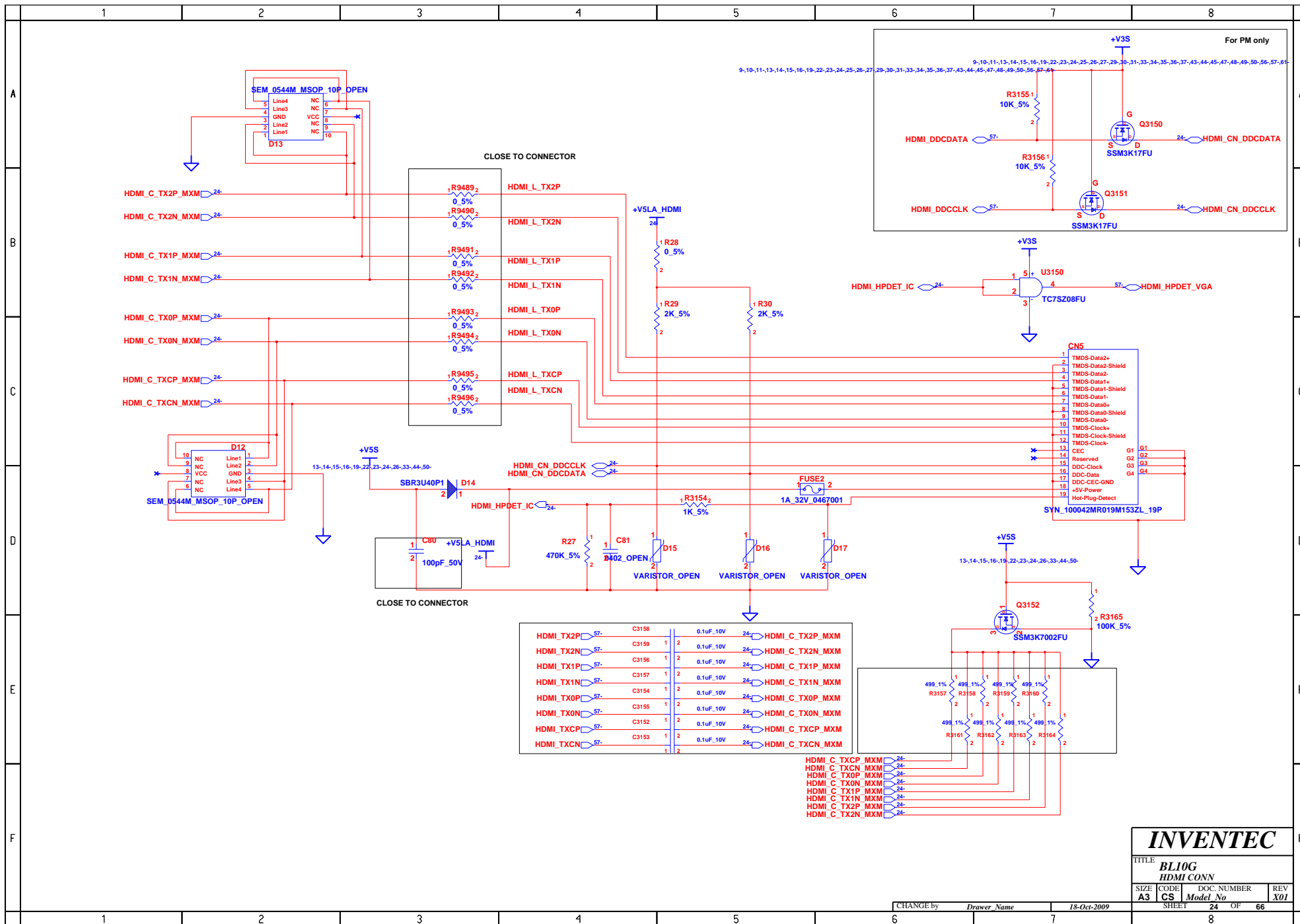
TITLE			
BL10G			
MDC			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	X01

CHANGE by *Drawer Name* 18-Oct-2009

SHEET 21 OF 66





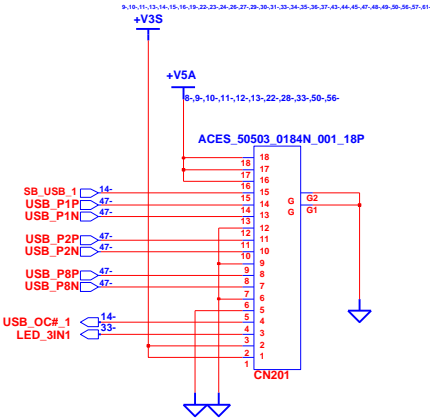


INVENTEC

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

CHANGE by: *Drawer Name* 18-Oct-2009

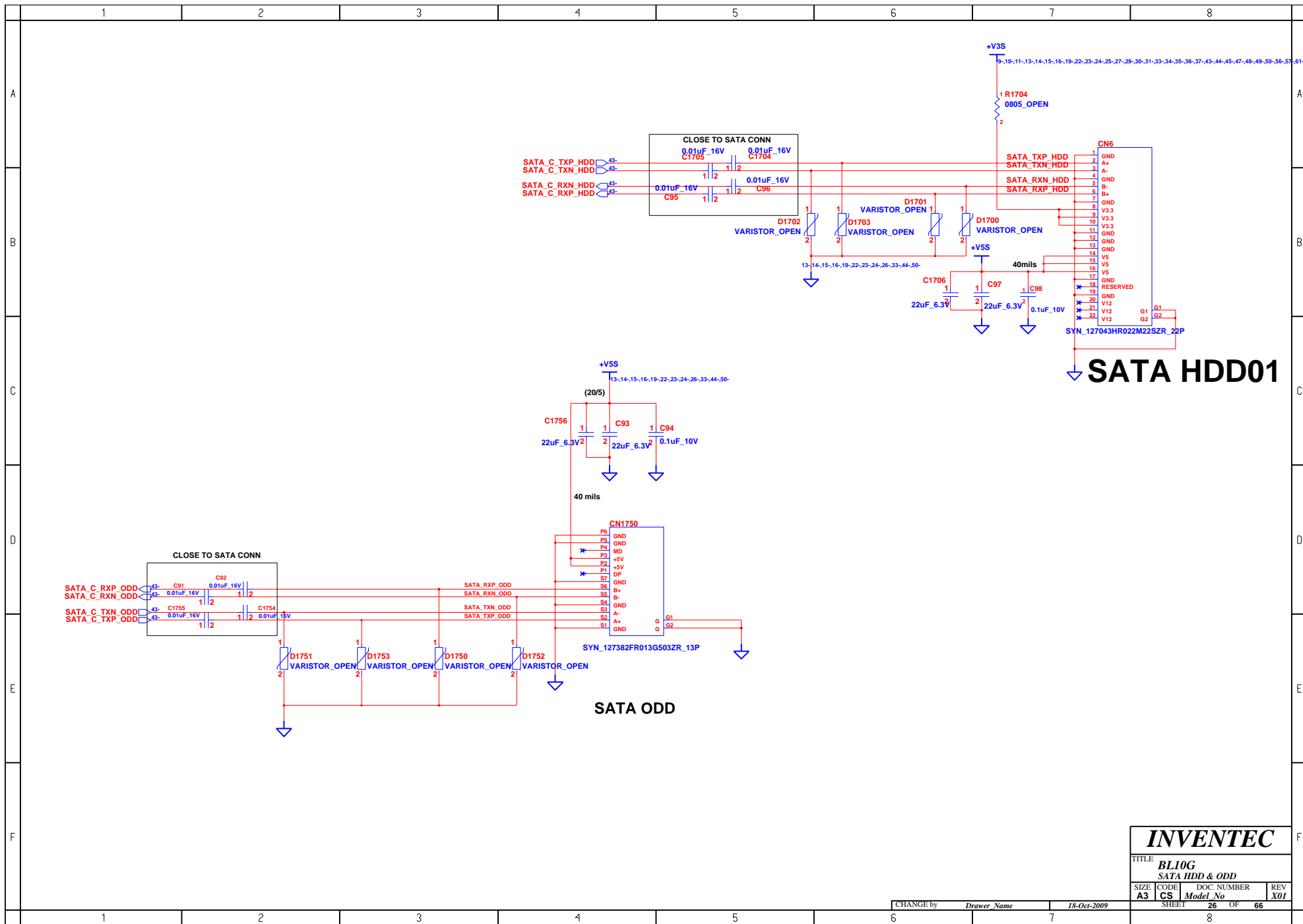
CardReader/USB Connector



INVENTEC

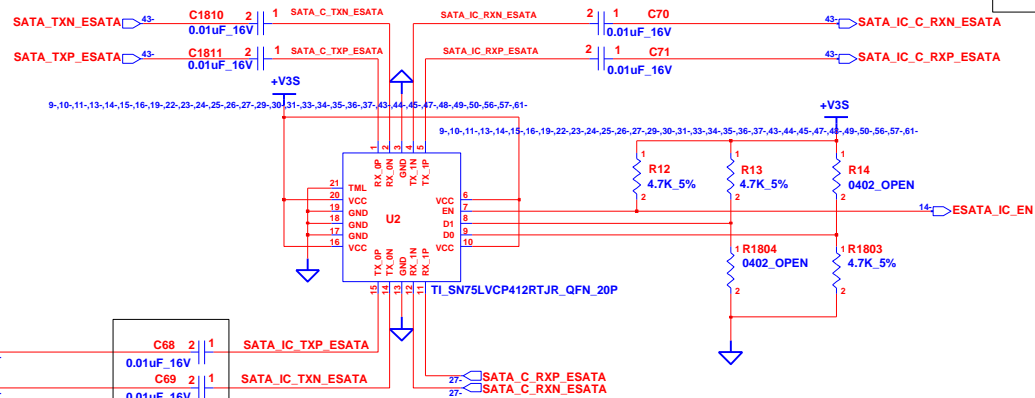
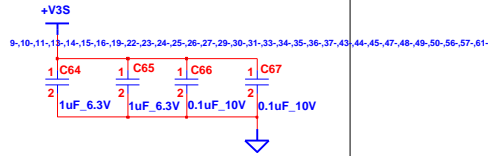
TITLE			
BL10G			
Cardreader			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	X01
SHEET		25	OF 66

CHANGE by *Drawer Name* 18-Oct-2009

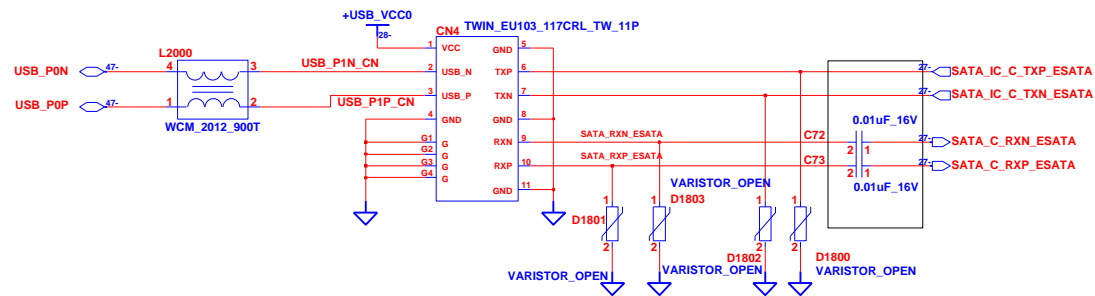


E-SATA

CLOSE TO IC PINS



close to CONNECTOR



EN	D0	D1	FUNCTION
0	X	X	STANDBY
1	0	0	DEFAULT
1	1	0	CH0->5DB
1	0	1	CH1->5DB
1	1	1	CH0,1->5DB

INVENTEC

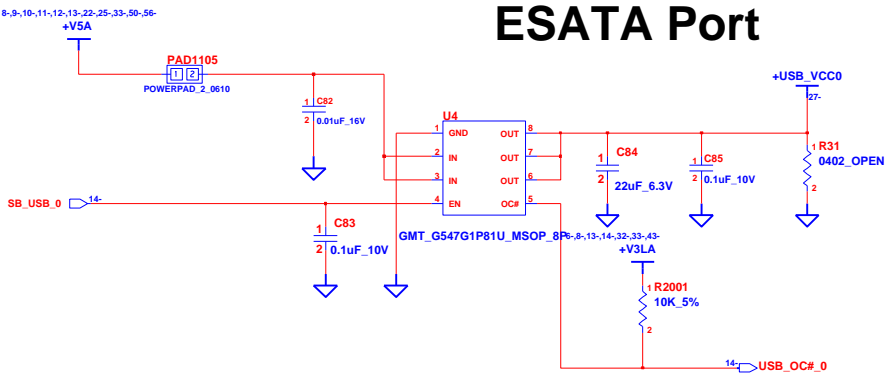
TITLE
BL10G
E-SATA

SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	X01

CHANGE by *Drawer Name* 18-Oct-2009

SHEET 27 OF 66

ESATA Port



INVENTEC

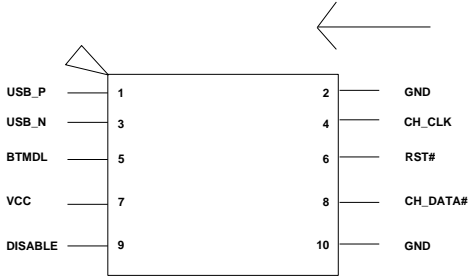
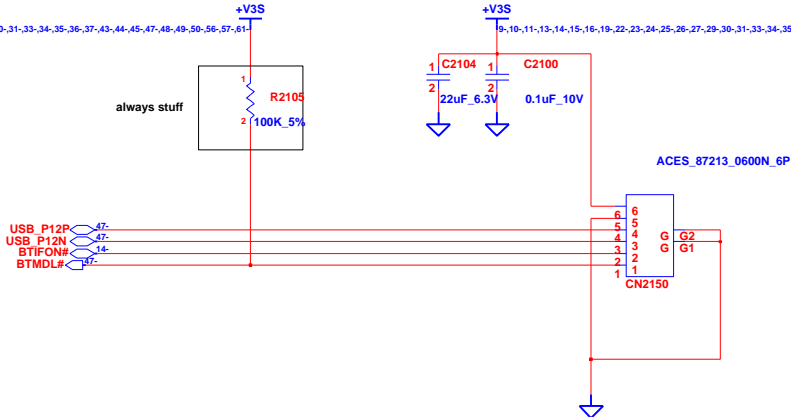
TITLE
BL10G
USB CONN

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

SHEET 28 OF 66

BLUETOOTH

**INVENTEC**

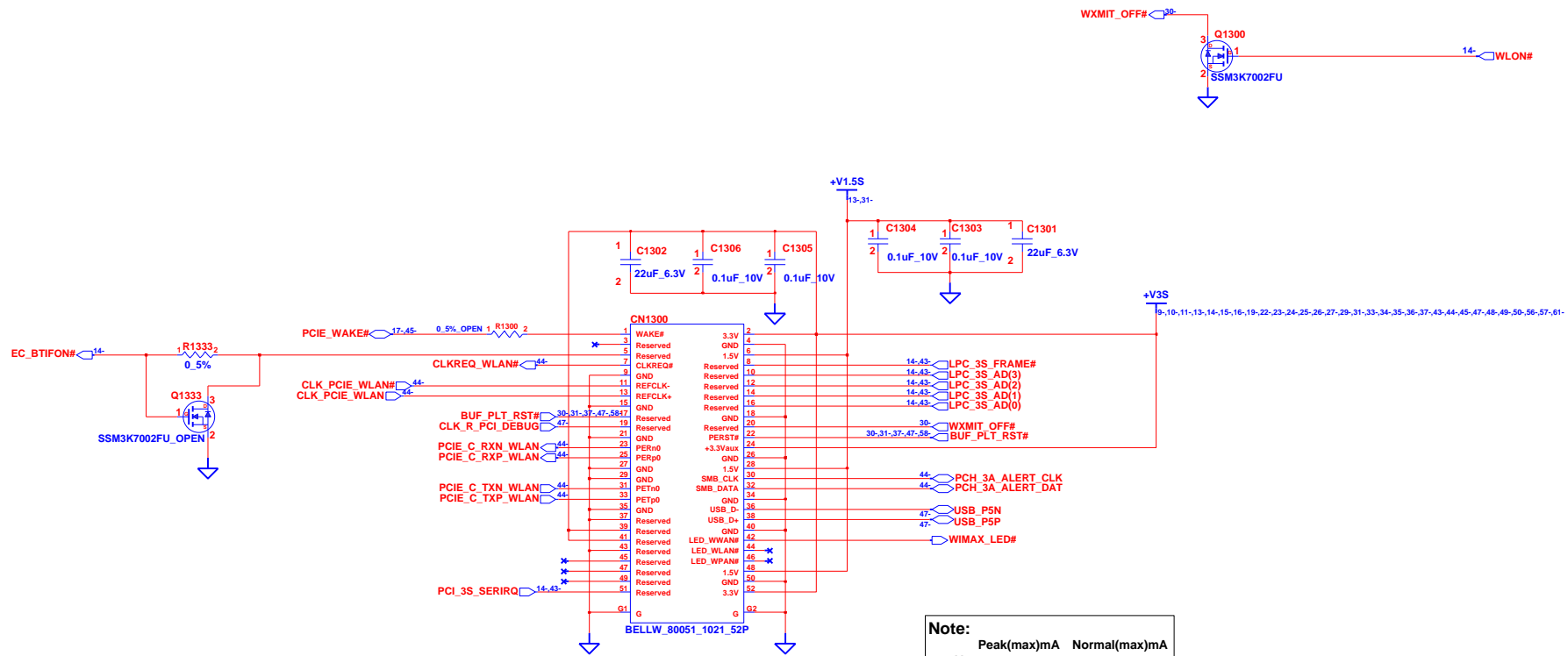
TITLE	<i>BL10G</i> <i>Bluetooth</i>
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SIZE A3	CODE CS	DOC. NUMBER <i>Model No</i>	REV <i>X01</i>
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CHANGE by	<i>Drawer Name</i>	<i>18-Oct-2009</i>
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8

Wireless & Debug card



Note:

	Peak(max)mA	Normal(max)mA
3.3V	2,750mA	1,100mA
1.5V	500mA	375mA

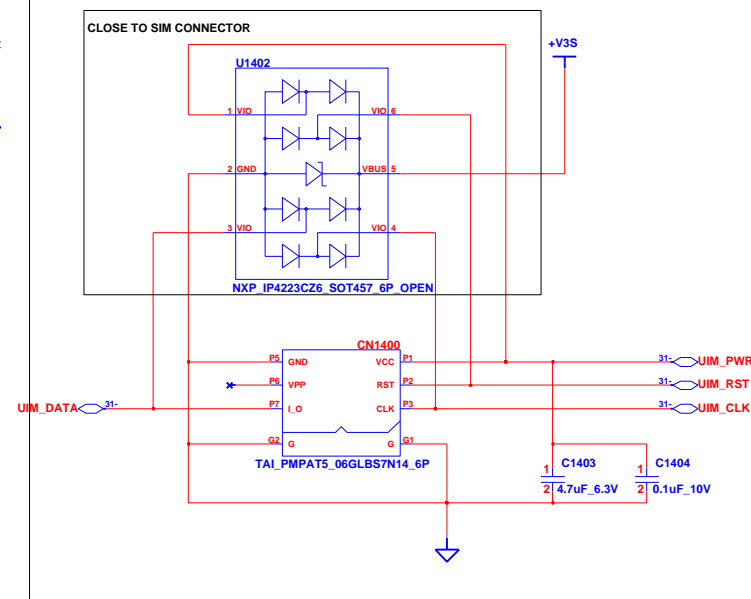
MINI CARD 1

INVENTEC

TITLE			
BL10G			
WLAN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	X01
SHEET		30	OF 66

CHANGE by *Drawer Name* 18-Oct-2009

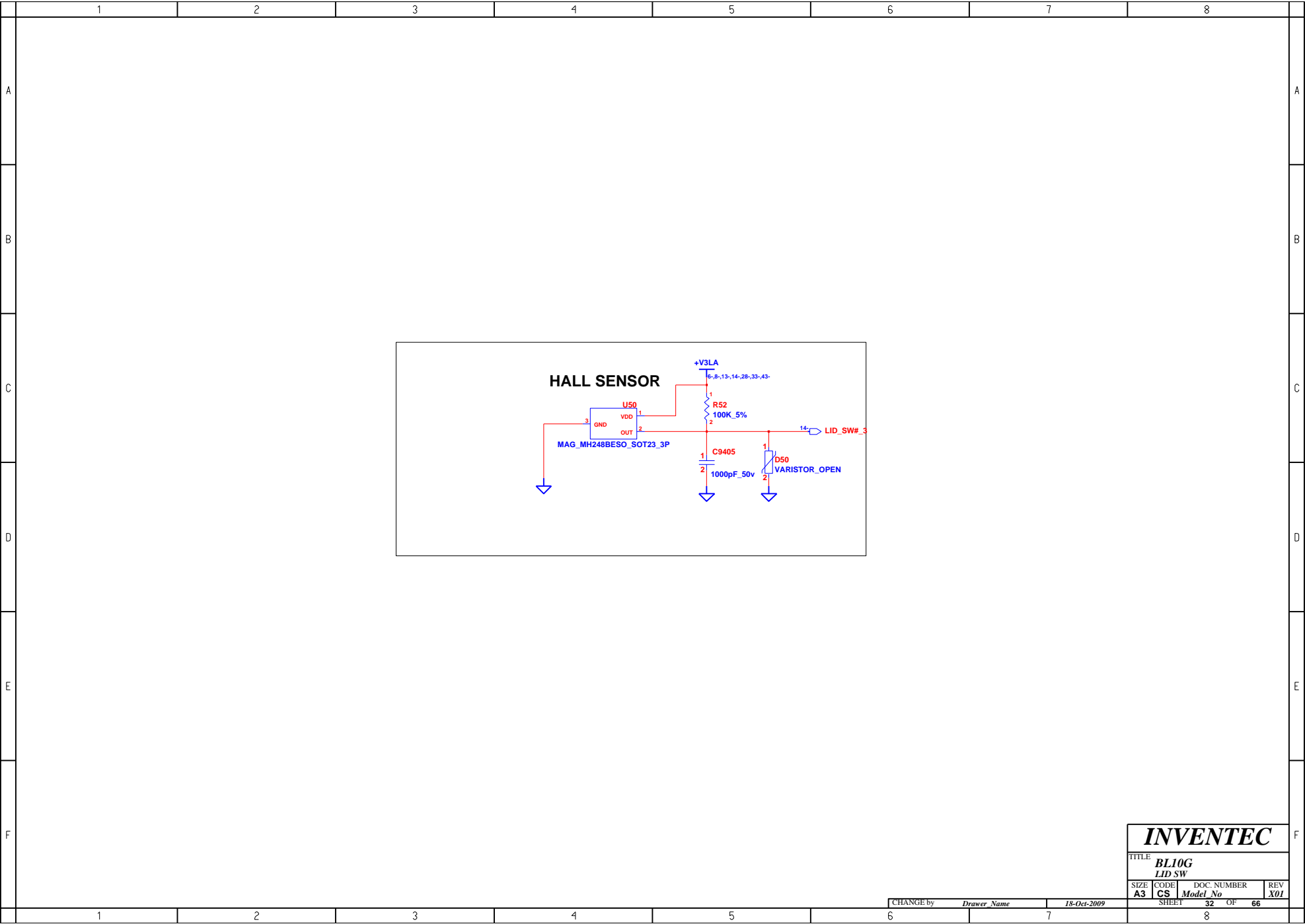
3G/GPS



MINI CARD 2

<i>INVENTEC</i>			
TITLE <i>BL10G</i>			
SIZE A3	CODE CS	DOC. NUMBER <i>Model No</i>	REV <i>X01</i>
SHEET		31	OF 66

CHANGE by		Drawer Name	18-Oct-2009	A3	CS	Model No	A01
				SHEET		31	OF 66



INVENTEC

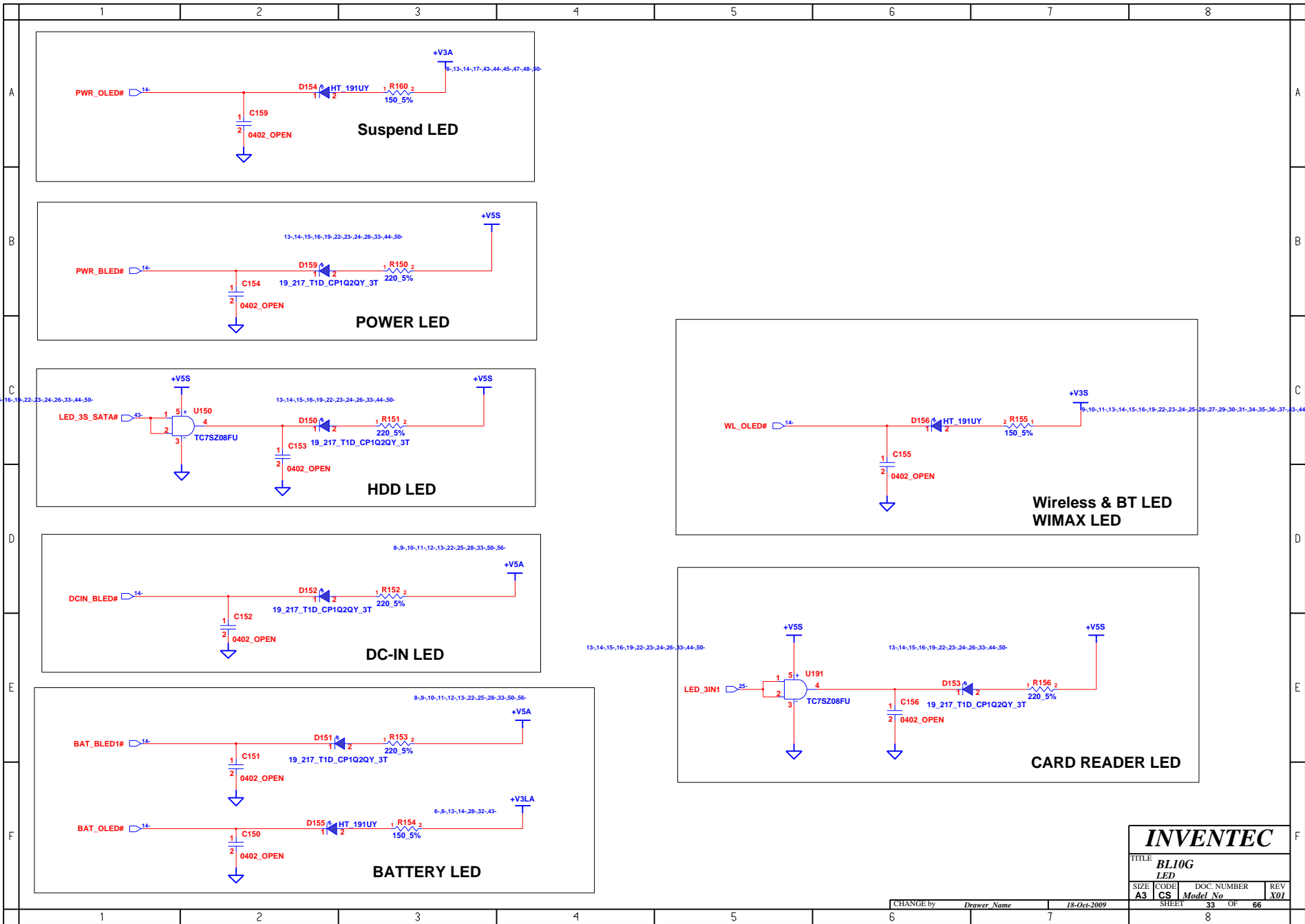
TITLE
BL10G
LID SW

SIZE CODE DOC. NUMBER REV

A3 CS Model No X01

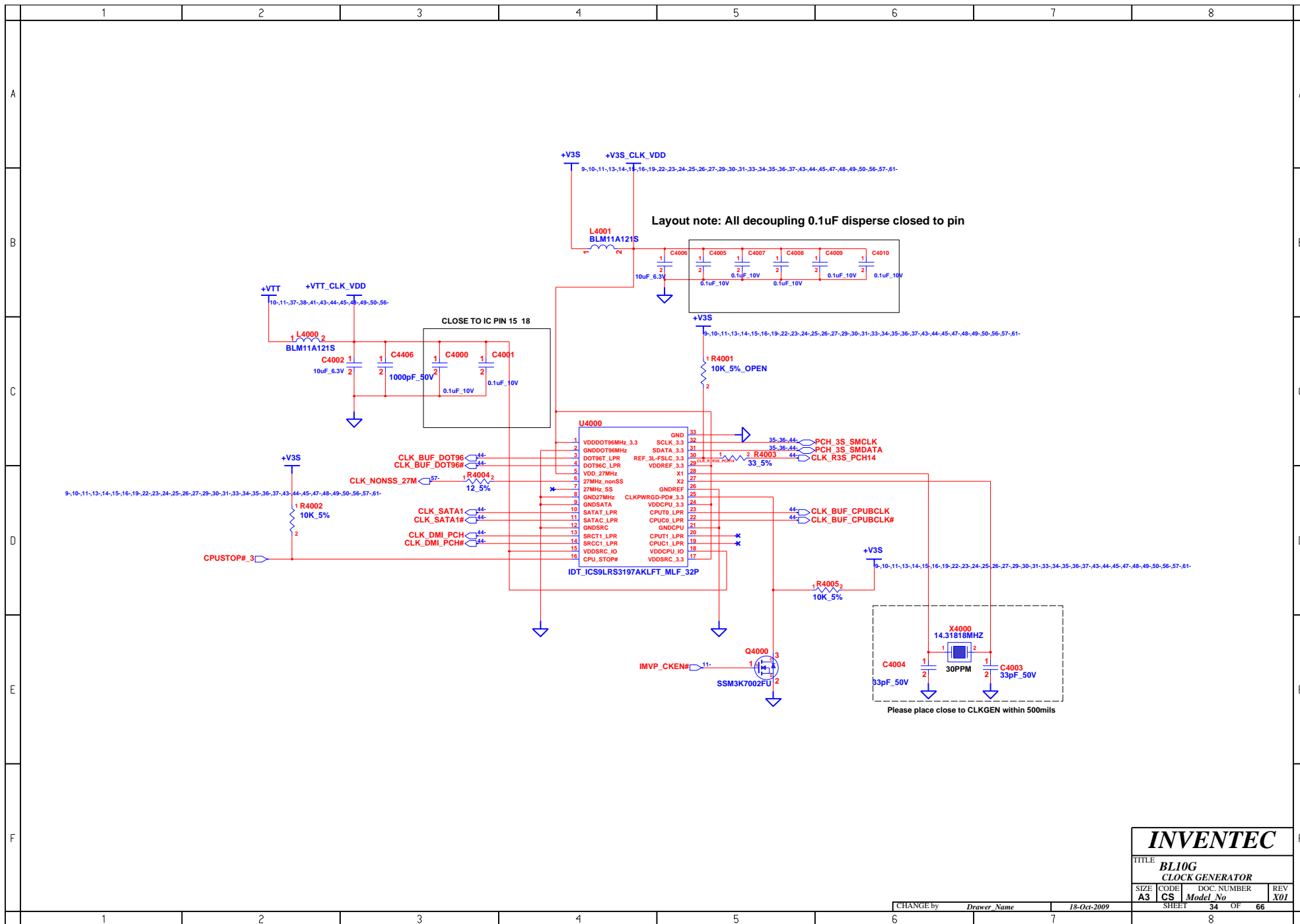
SHEET 32 OF 66

8

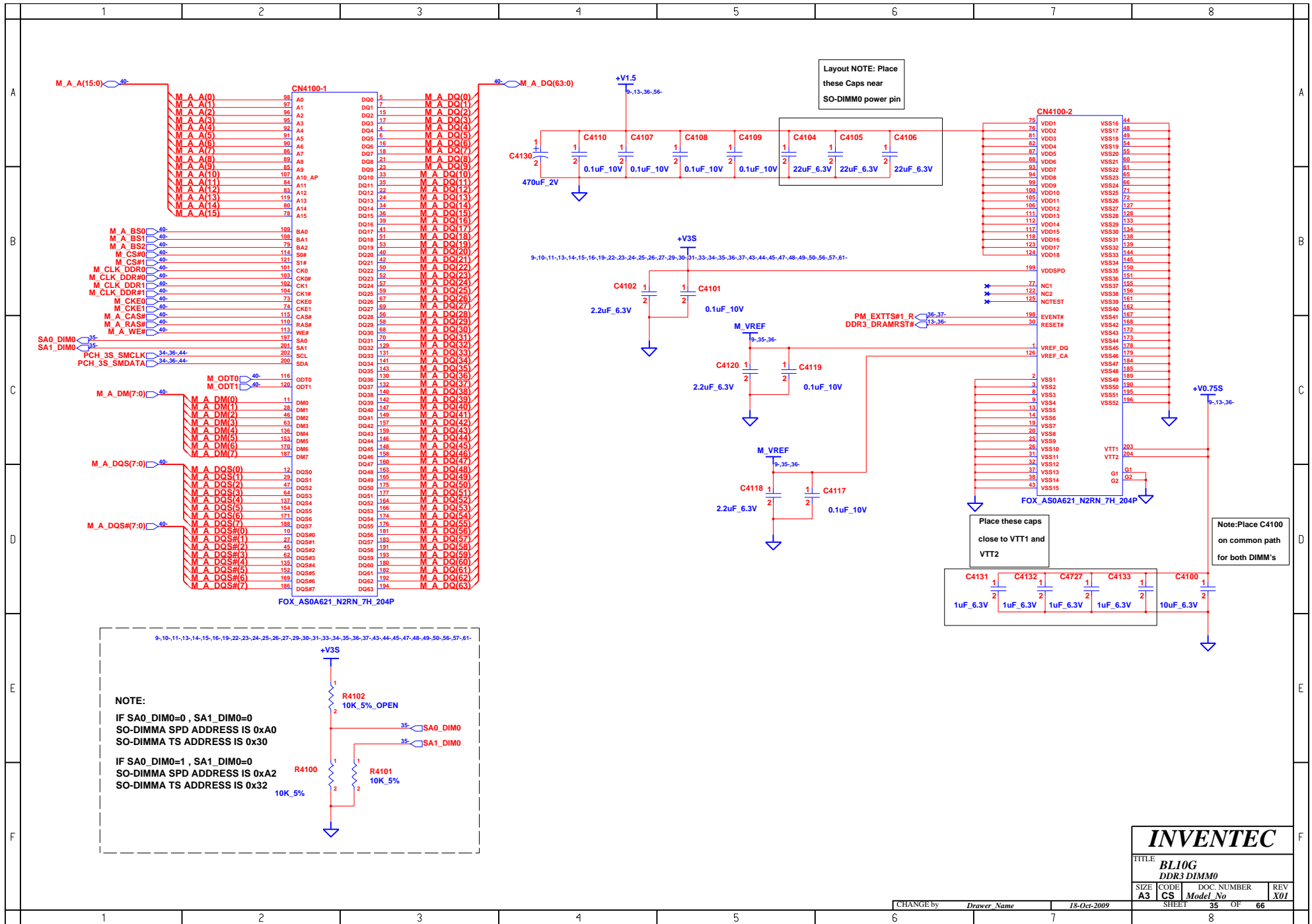


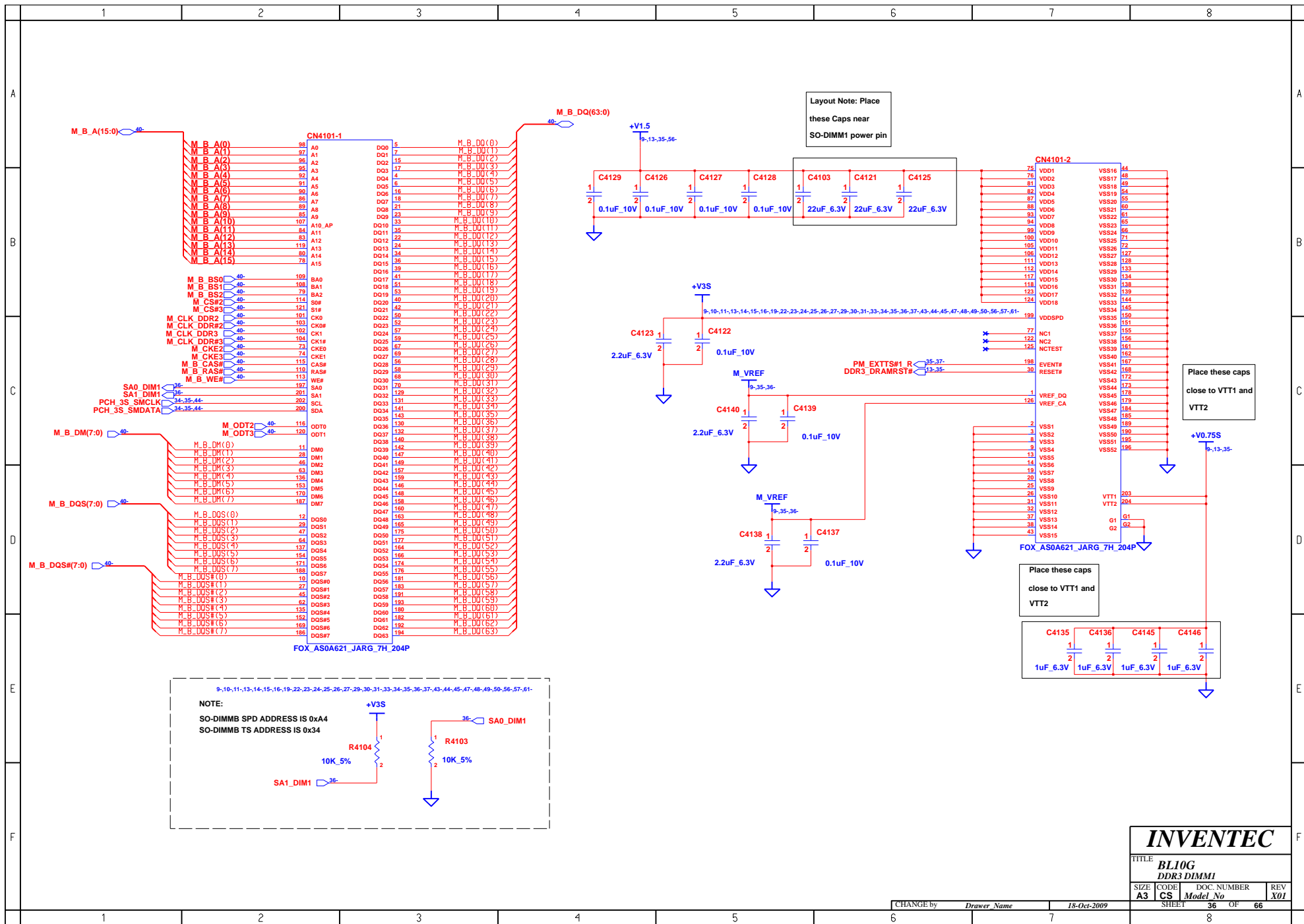
INVENTEC			
TITLE BL10G LED			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV X01
SHEET 33		OF 66	

CHANGE by *Drawer Name* 18-Oct-2009



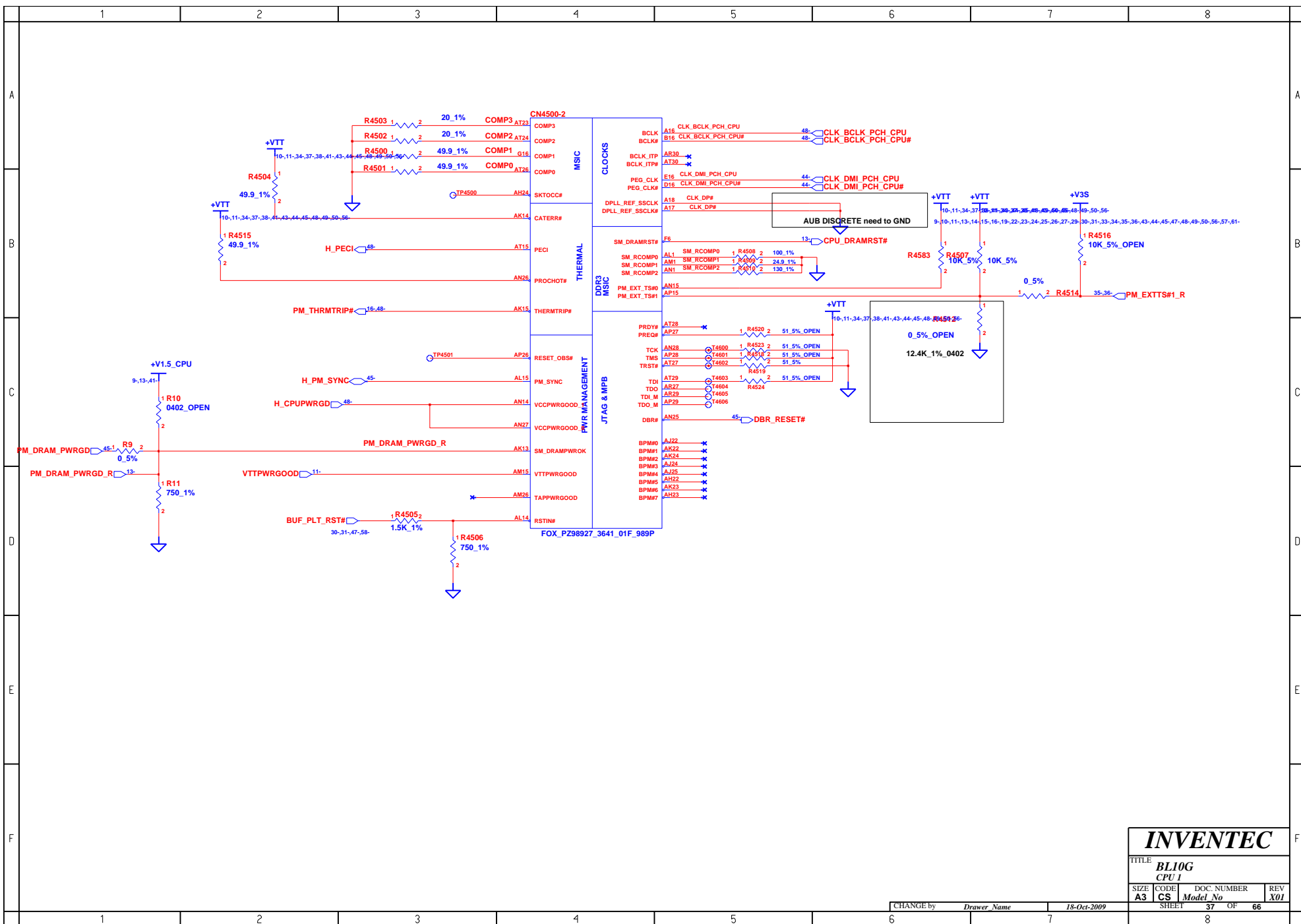
INVENTEC			
TITLE			
BLI0G			
CLOCK GENERATOR			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	X01
CHANGE by		Drawer Name	18-Oct-2009
SHEET		34	OF 66
		8	

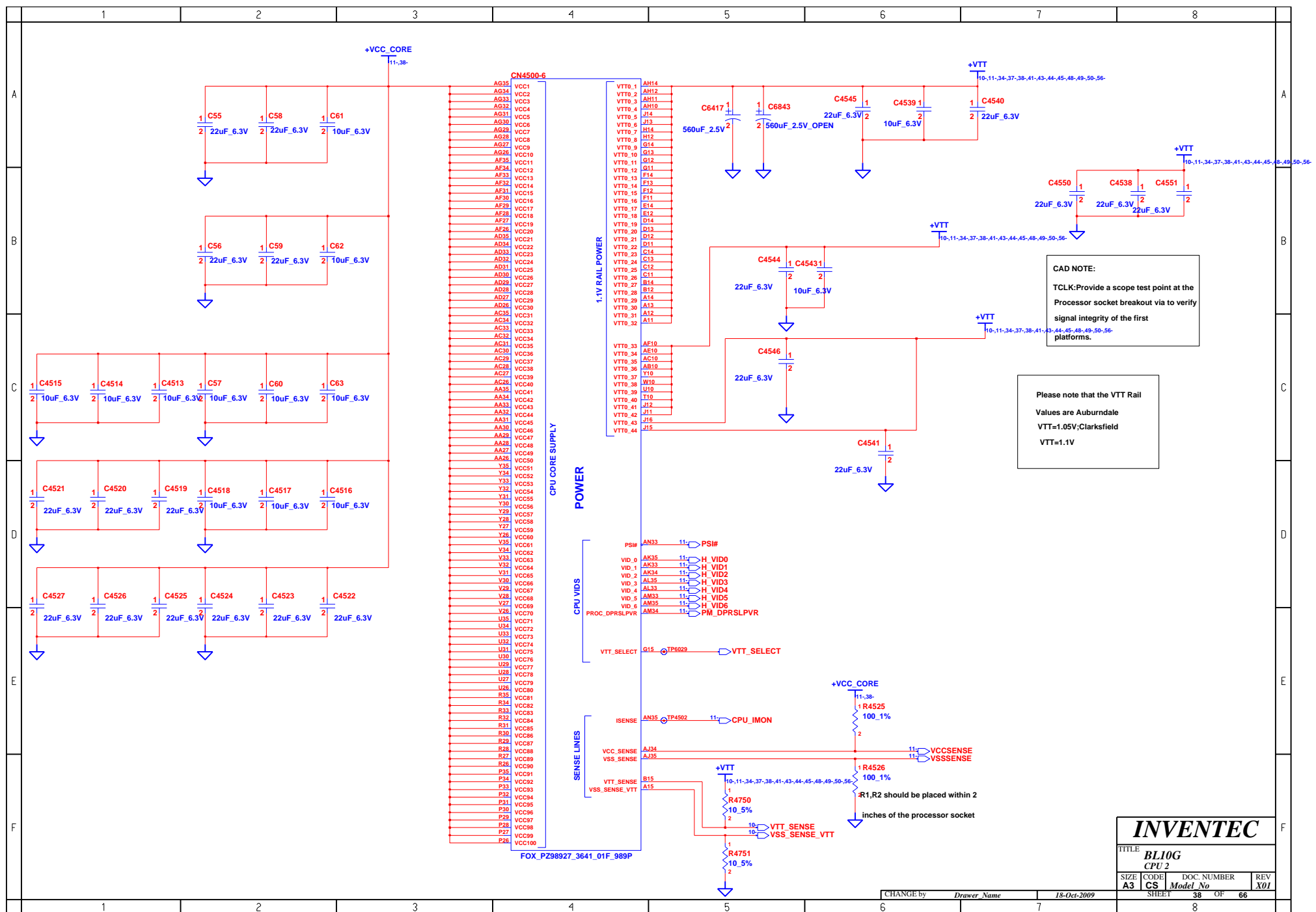


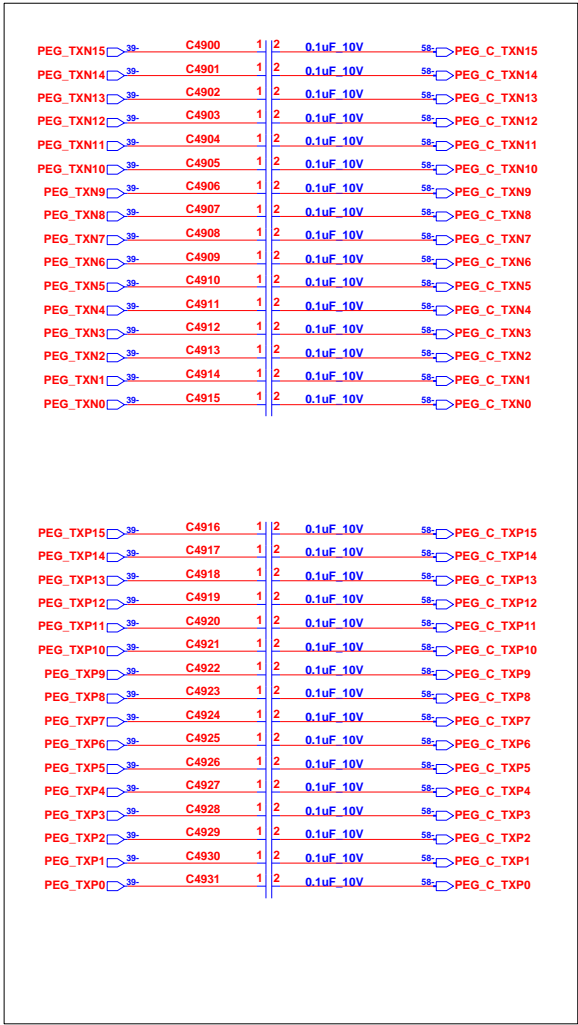


INVENTEC

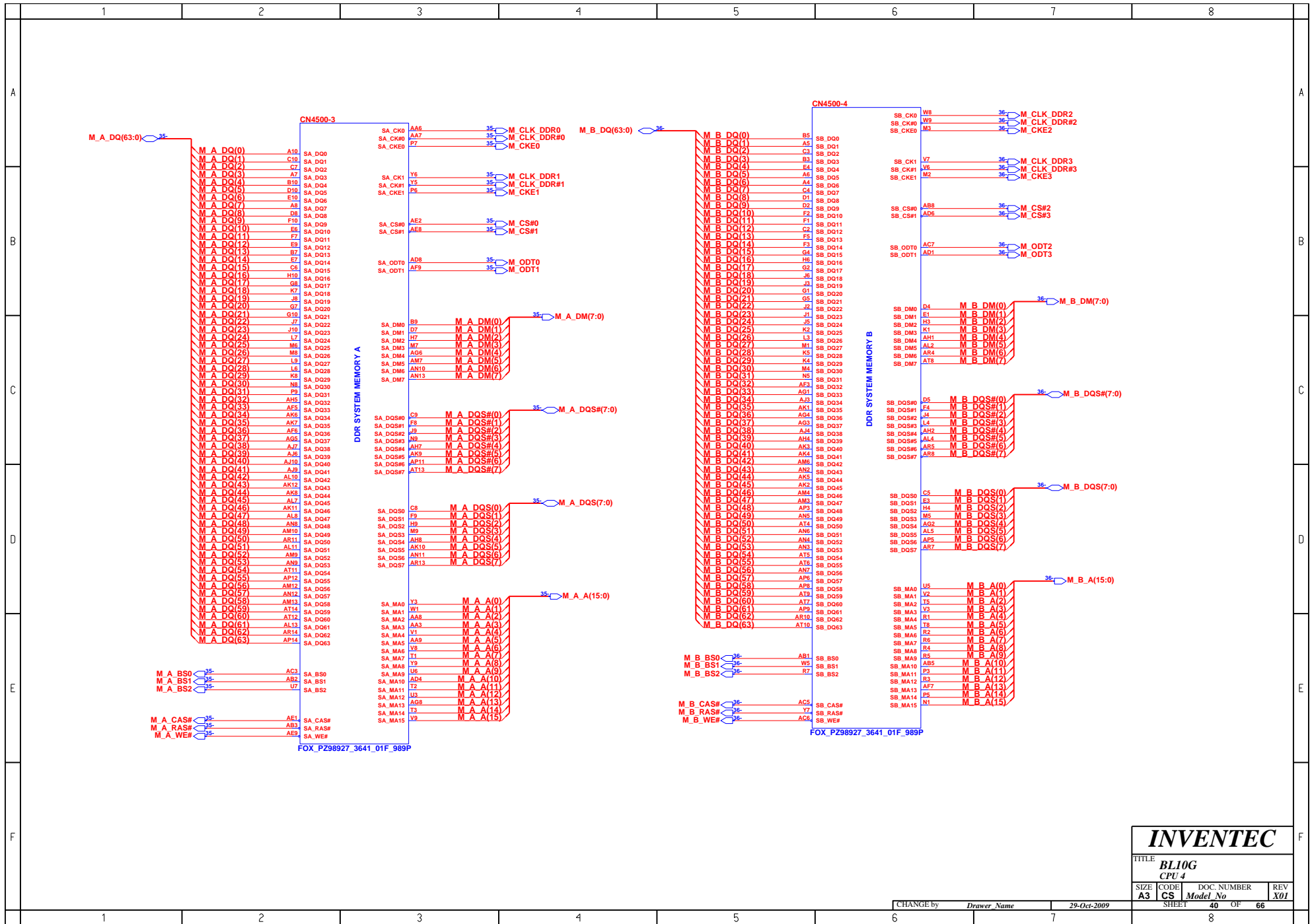
TITLE			
BLI0G			
DDR3 DIMM1			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	X01







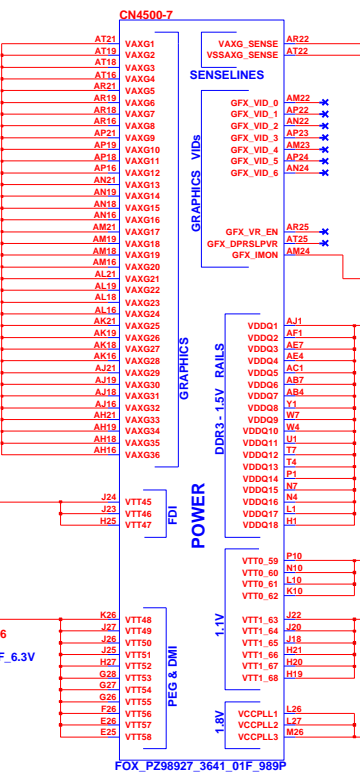
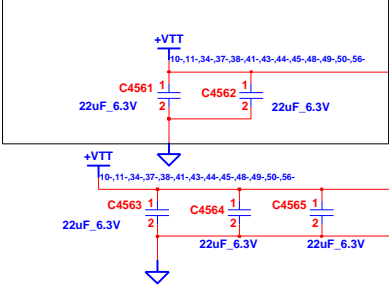
SHEET	39	OF	66
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INVENTEC

TITLE			
BL10G			
CPU 4			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	X01
CHANGE by		Drawer Name	29-Oct-2009
SHEET		40	OF 66

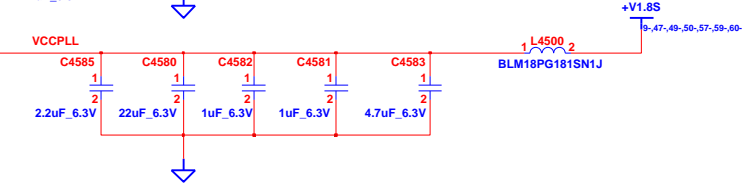
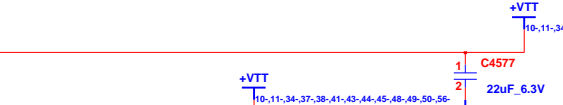
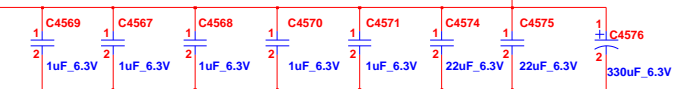
Please note that the VTT Rail Values are
Auburndale VTT=1.05V
Clarksville VTT=1.1V



discrete left no connect

Route VCC_AXG_SENSE and
VSS_AXG_SENSE
differentially

R4810
1K 5%
Auburndale discrete pull down to GND via 1k 5%

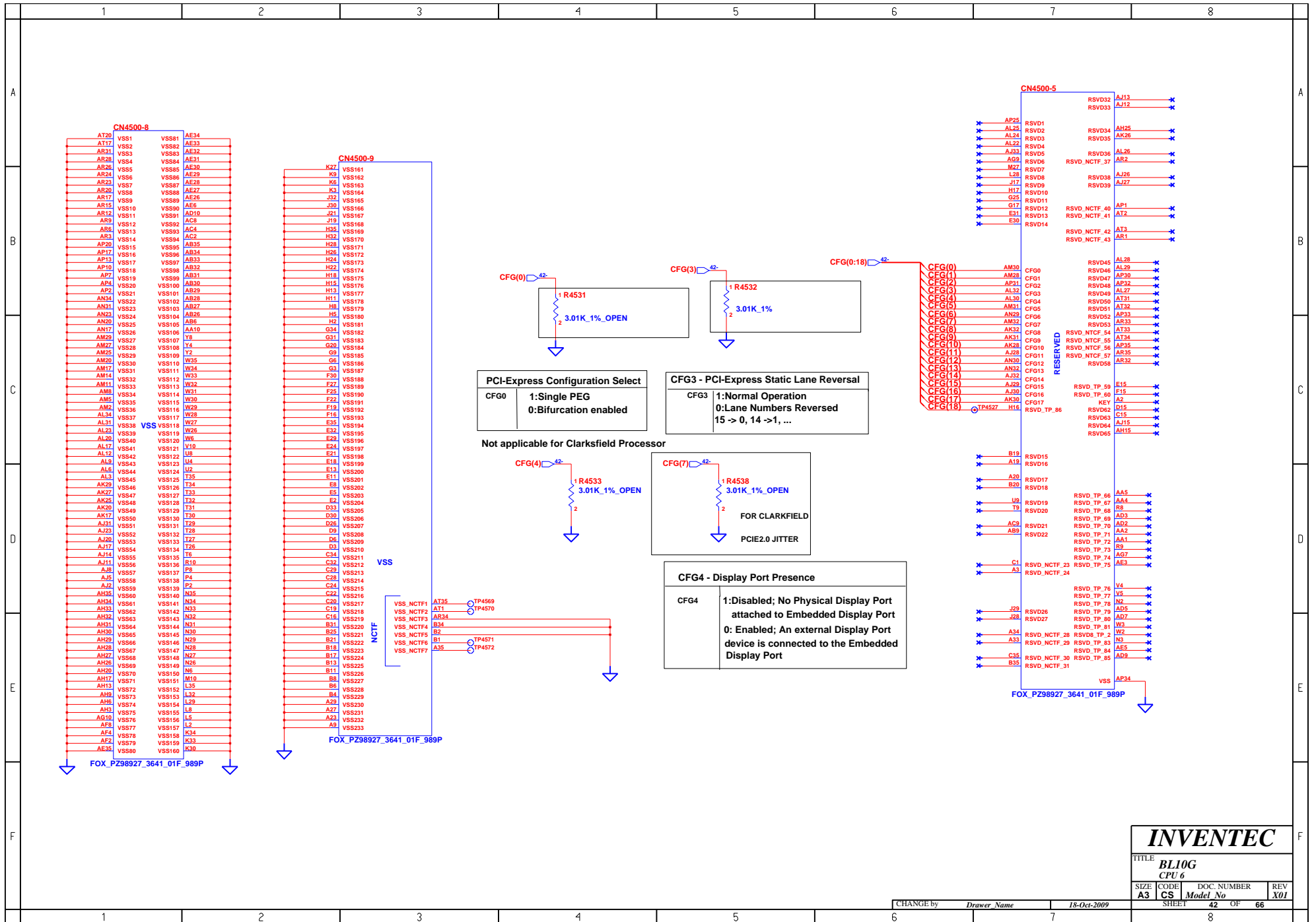


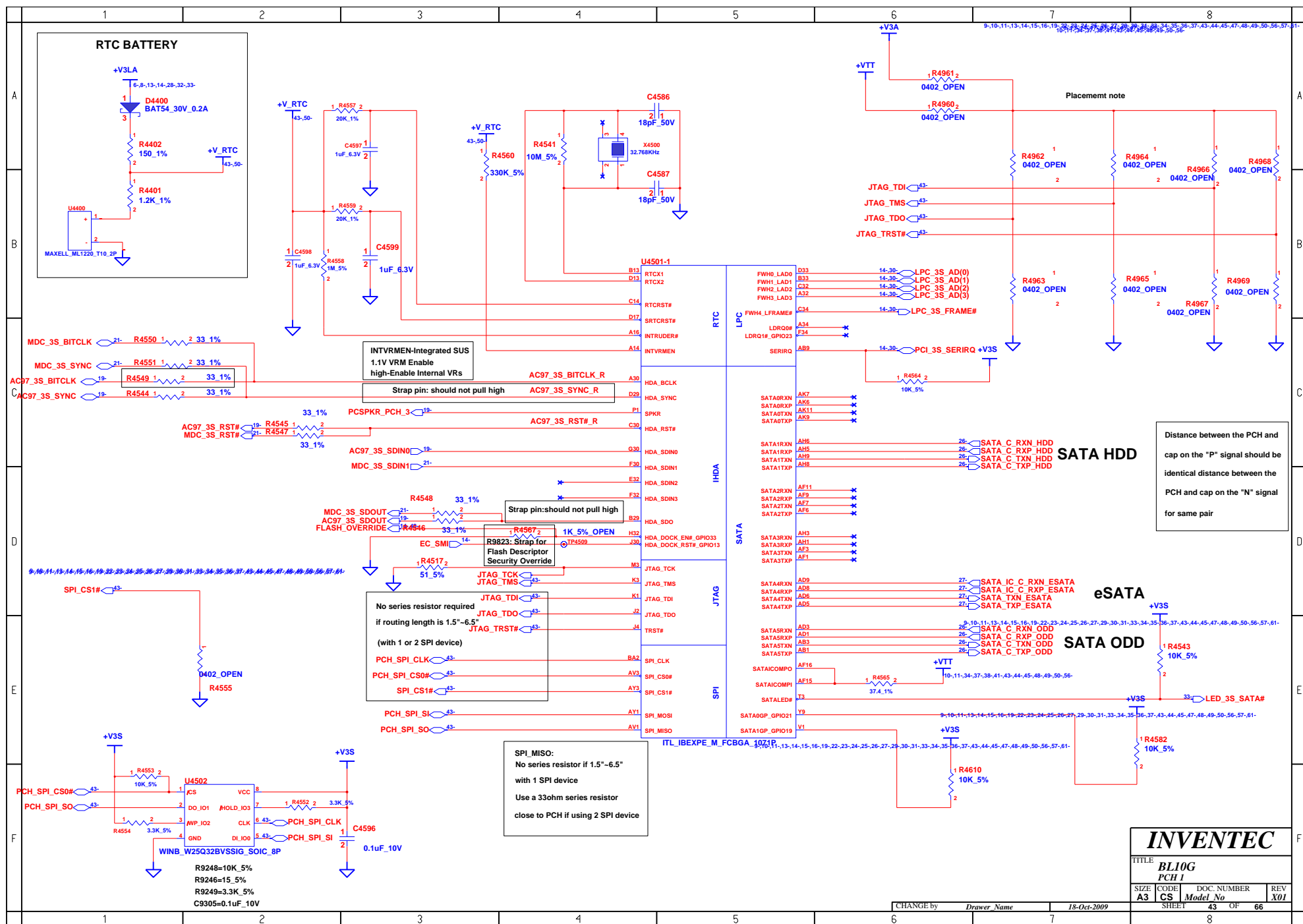
INVENTEC

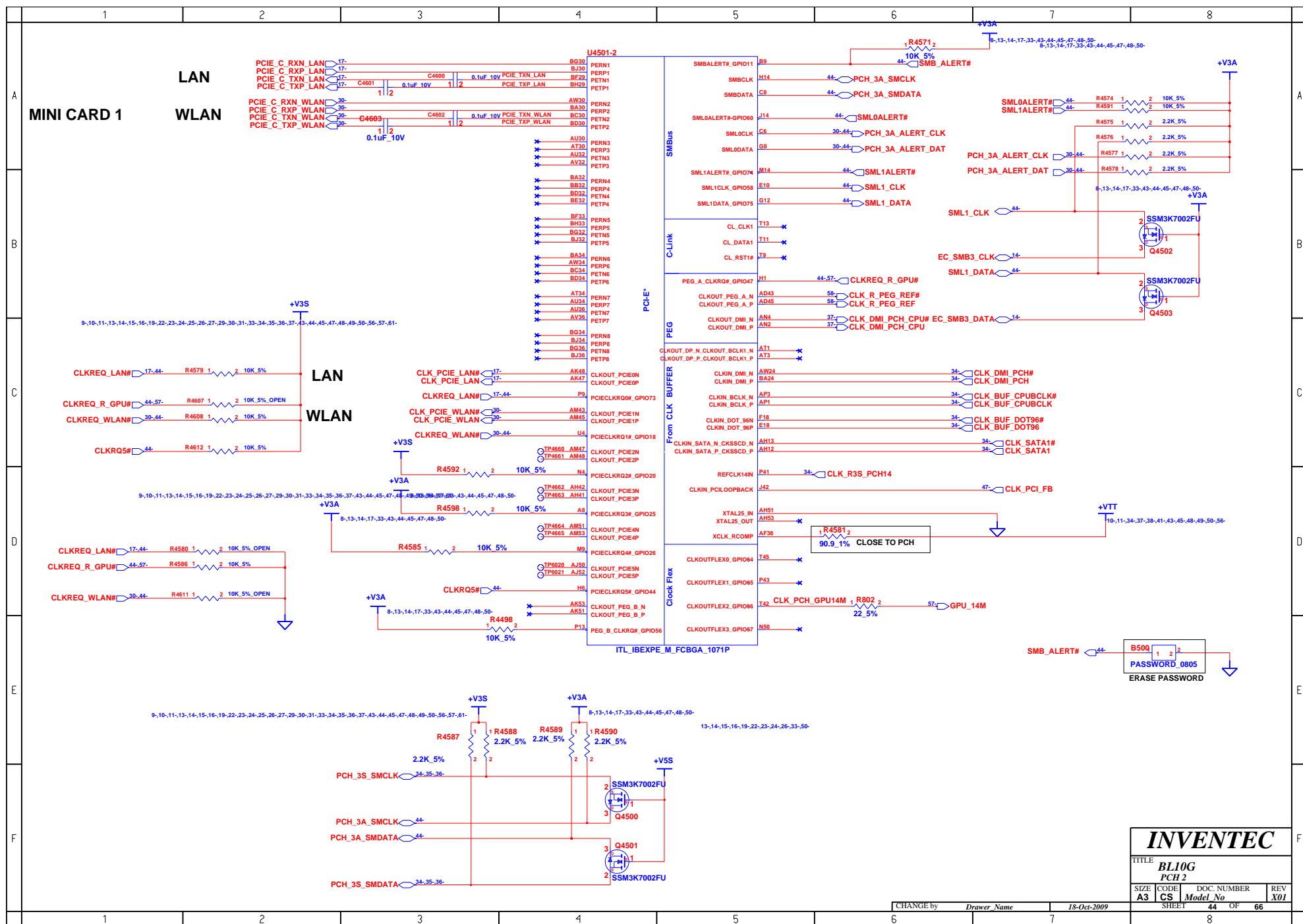
TITLE BLI0G CPU 5			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV X01

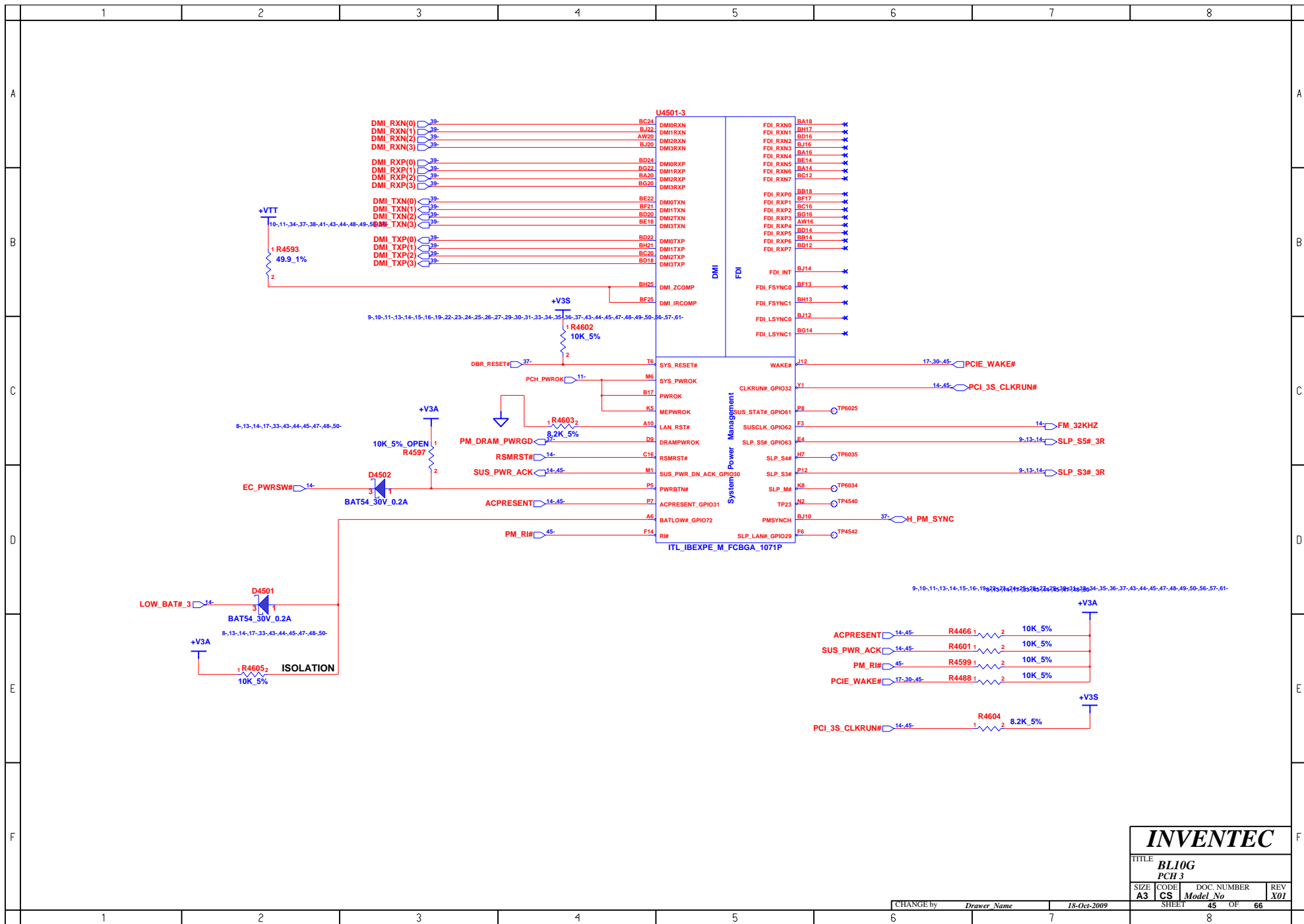
CHANGE by Drawer Name 18-Oct-2009

SHEET 41 OF 66





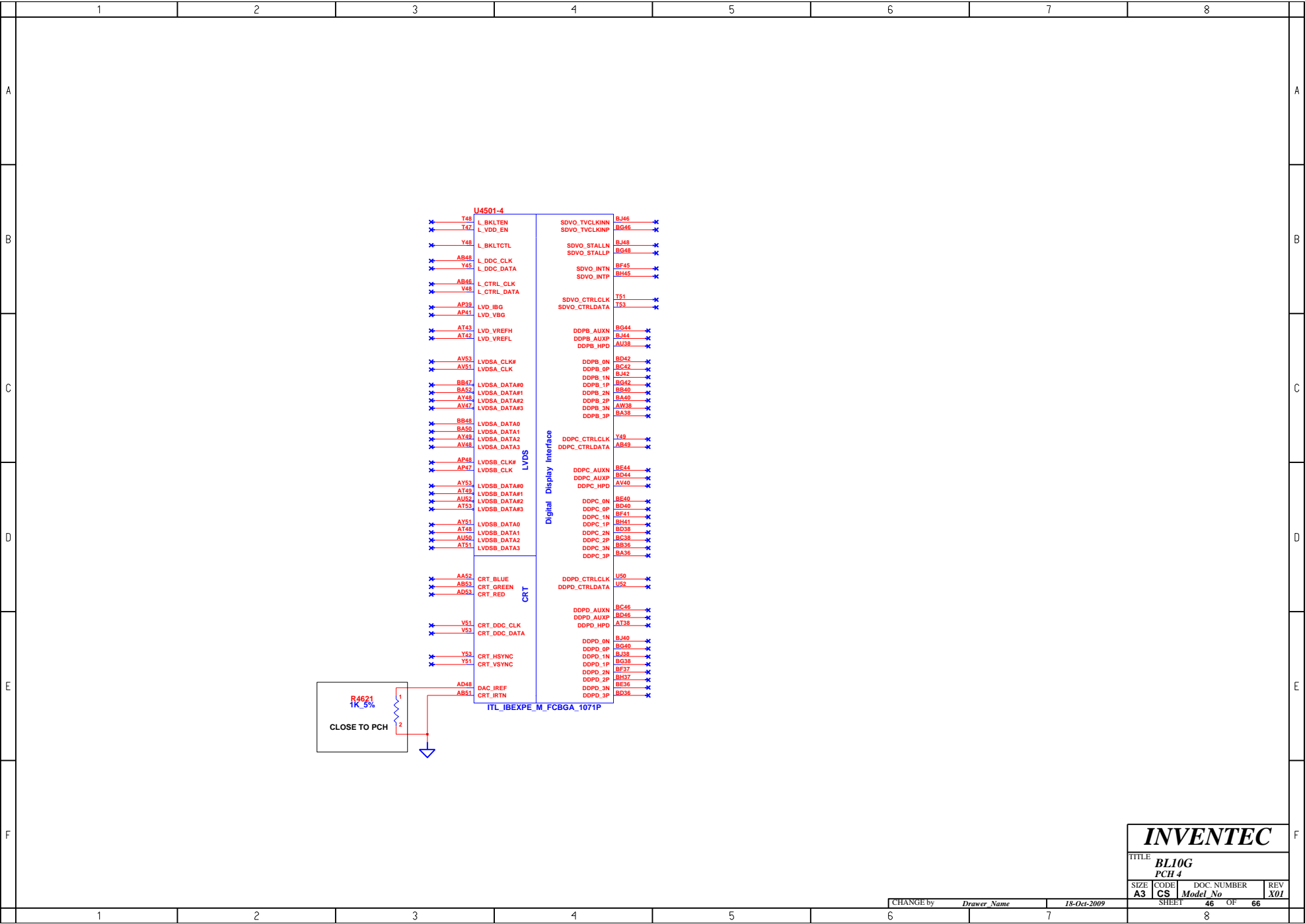




INVENTEC

TITLE			
BLI0G			
PCH 3			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	X01
SHEET		45	OF 66

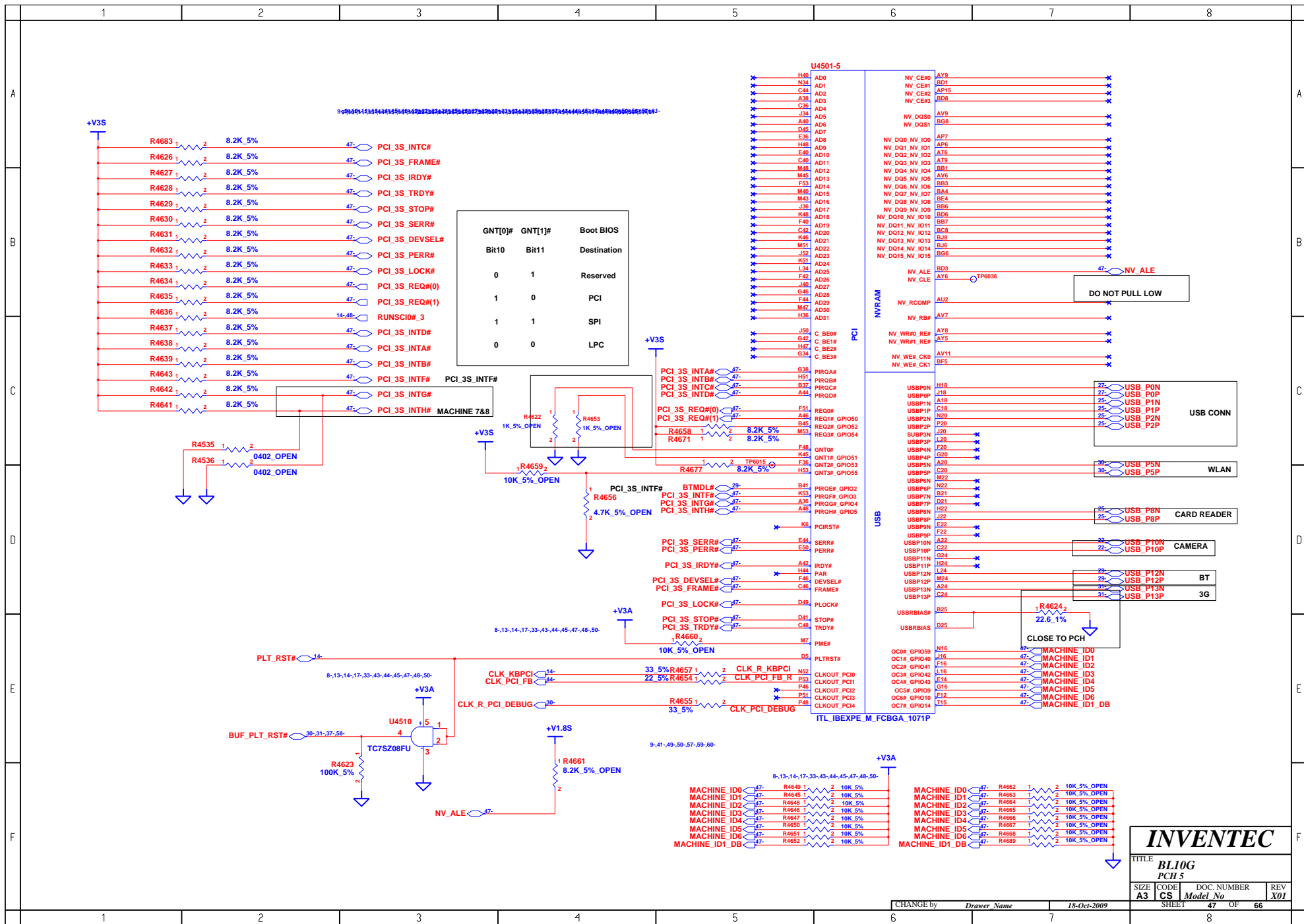
CHANGE by *Drawer Name* 18-Oct-2009



INVENTEC

TITLE			
BL10G			
PCH 4			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	X01
SHEET		46	OF 66

CHANGE by *Drawer Name* 18-Oct-2009

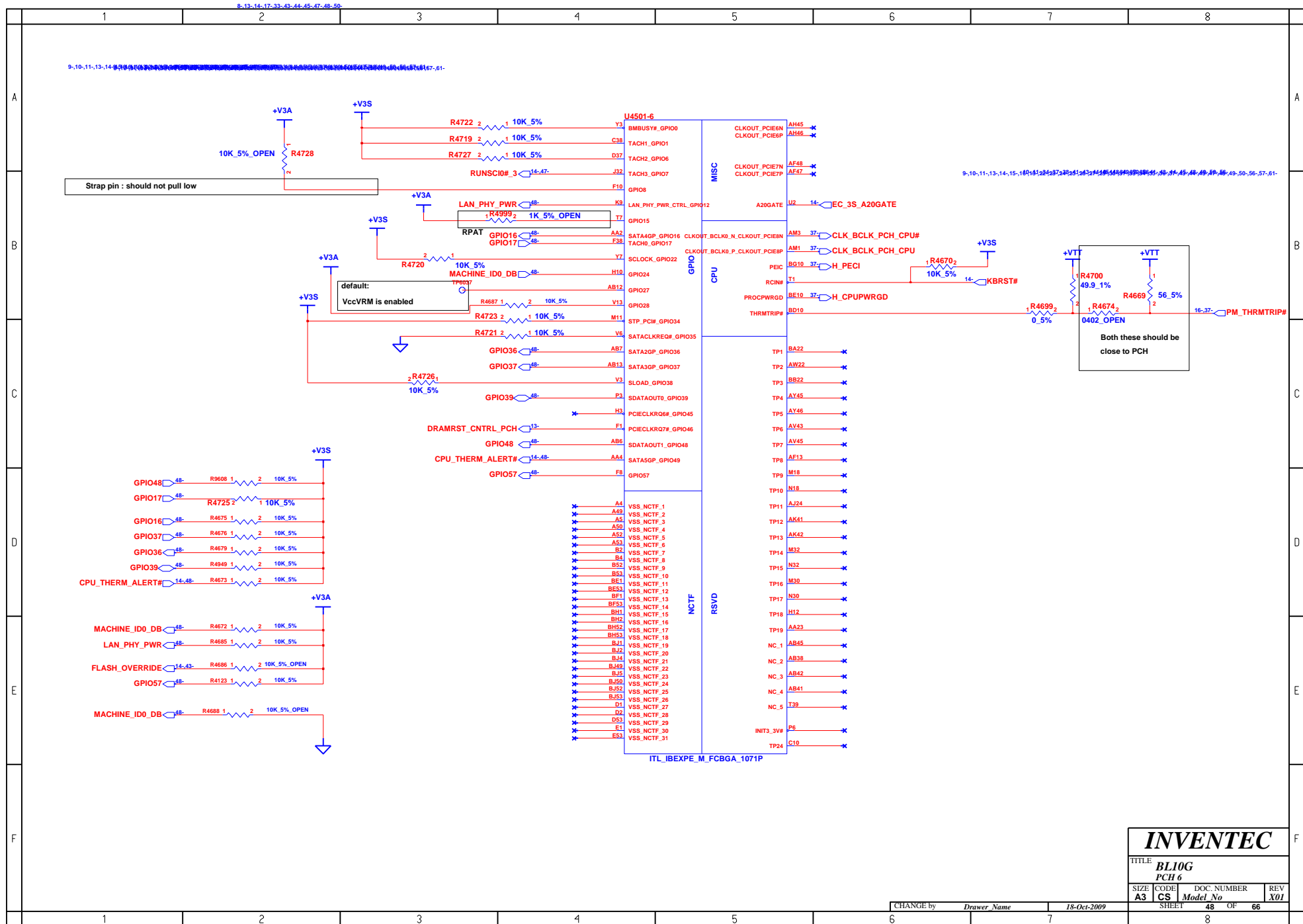


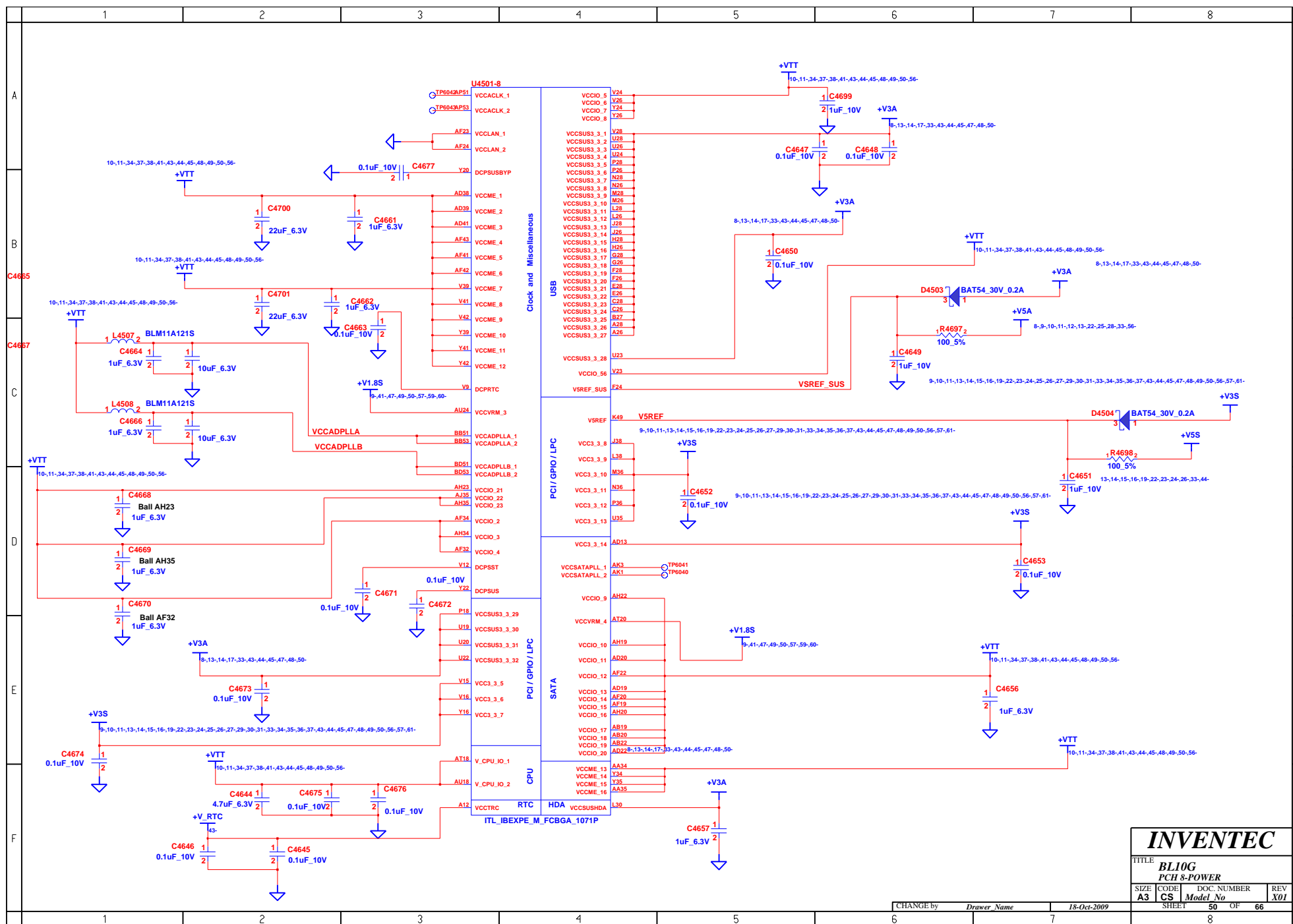
INVENTEC

TITLE BLI0G PCH 5

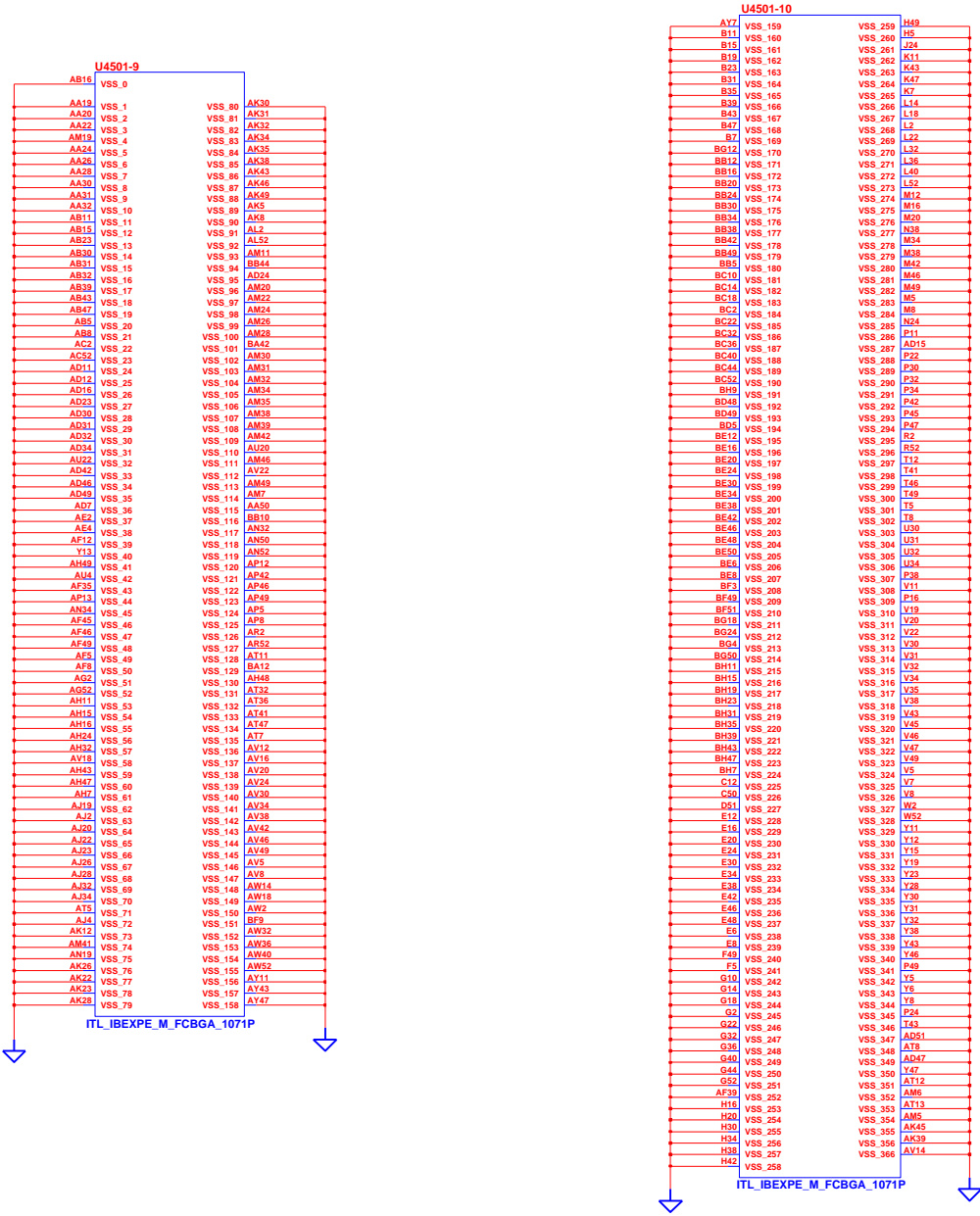
SIZE CODE DOC. NUMBER REV
A3 CS Model No 47 OF 66 X01

CHANGE by Drawer Name 18-Oct-2009





	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

BL10G

PCH 9

SIZE

A3

CODE

CS

DOC. NUMBER

Model No

REV

X01

CHANGE by

Drawer Name

18-Oct-2009

SHEET

51

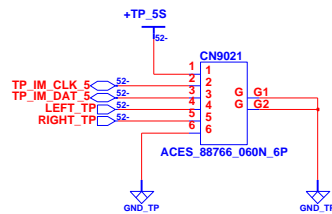
OF

66

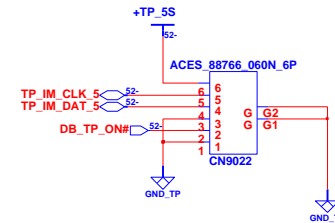
PICK BUTTON BOARD

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

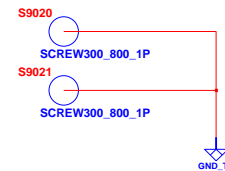
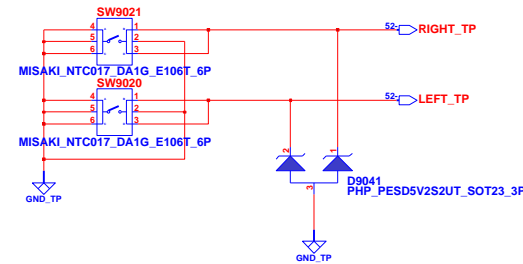
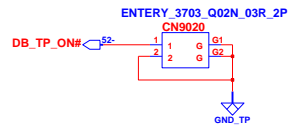
Connect to Touchpad Module



Connect to Mainboard's TP connector



Connect to Touchpad Switch Board

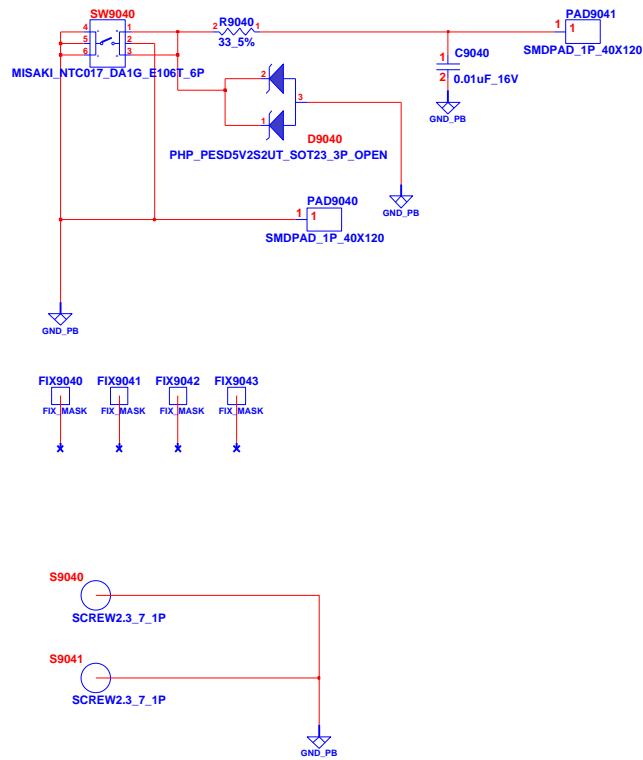


INVENTEC

TITLE BL10G Hot key board			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV X01
SHEET 52		OF 66	

CHANGE by *Drawer Name* 18-Mar-2010

TOUCHPAD SWITCH BOARD

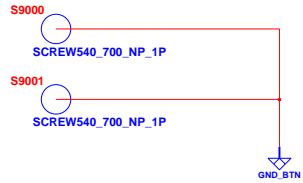
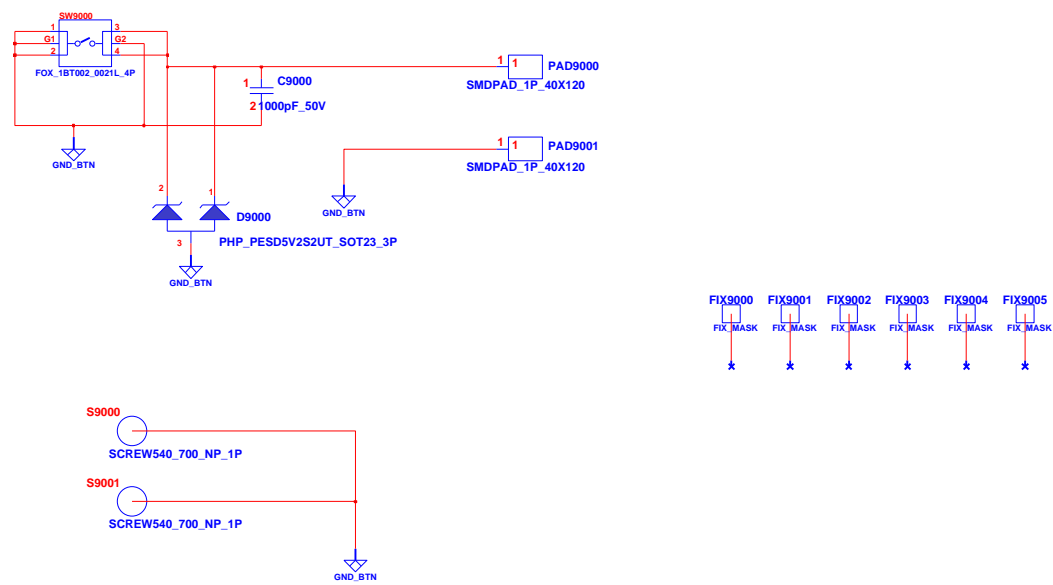


INVENTEC

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

CHANGE by *Drawer Name* 20-Jan-2010

POWER BUTTON



INVENTEC

TITLE
BLI0G

SIZE A3	CODE CS	DOC. NUMBER Model No	REV X01
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CHANGE by
Drawer Name
11-Mar-2010

SHEET
54 OF 66

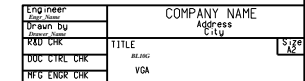
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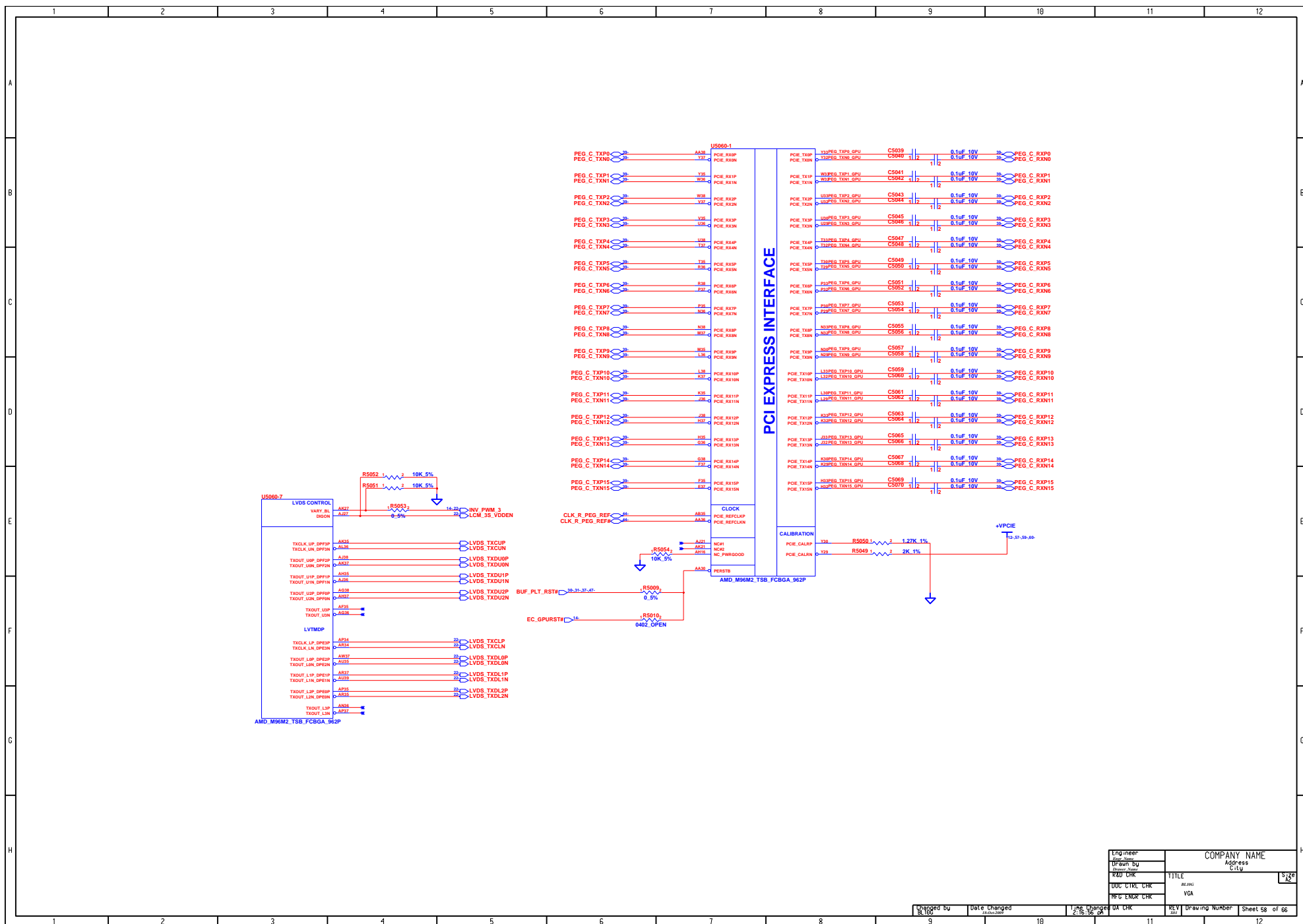
TITLE	<i>BL10G</i> <i>EMI</i>
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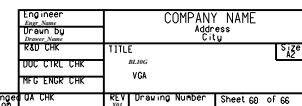
TITLE			
<i>BL10G</i> <i>EMI</i>			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	<i>Model No</i>	<i>X01</i>
SHEET 56 OF 66			

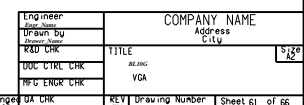
CHANGE by	<i>Drawer Name</i>	<i>18-Oct-2009</i>
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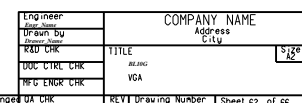
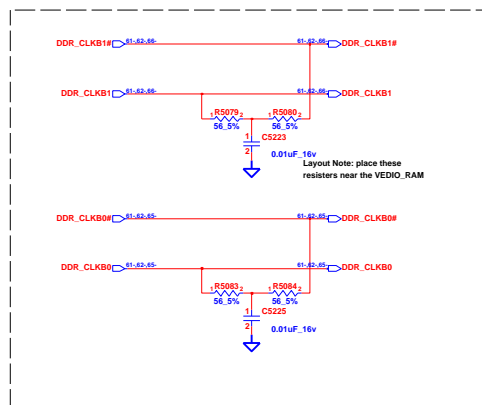
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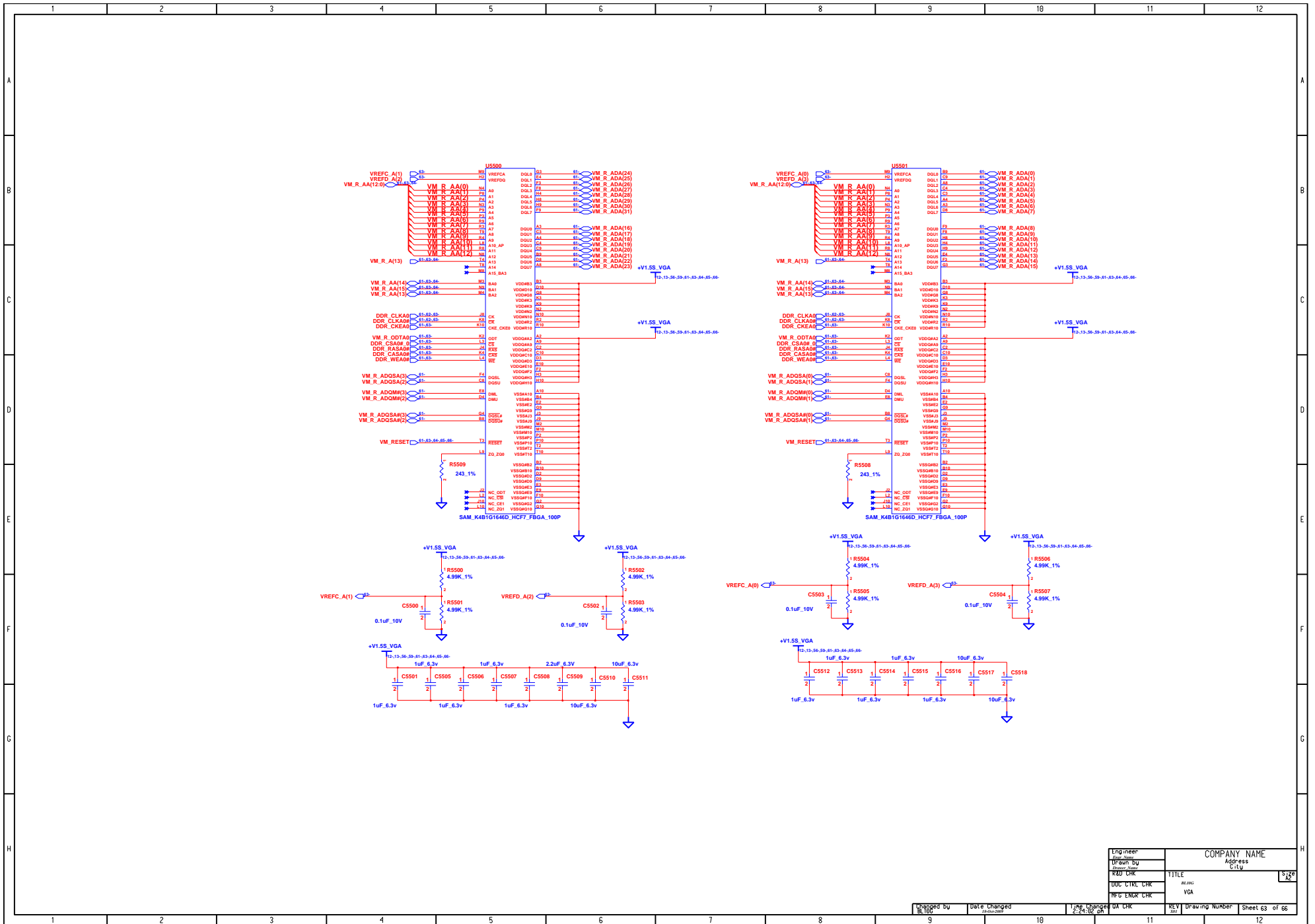




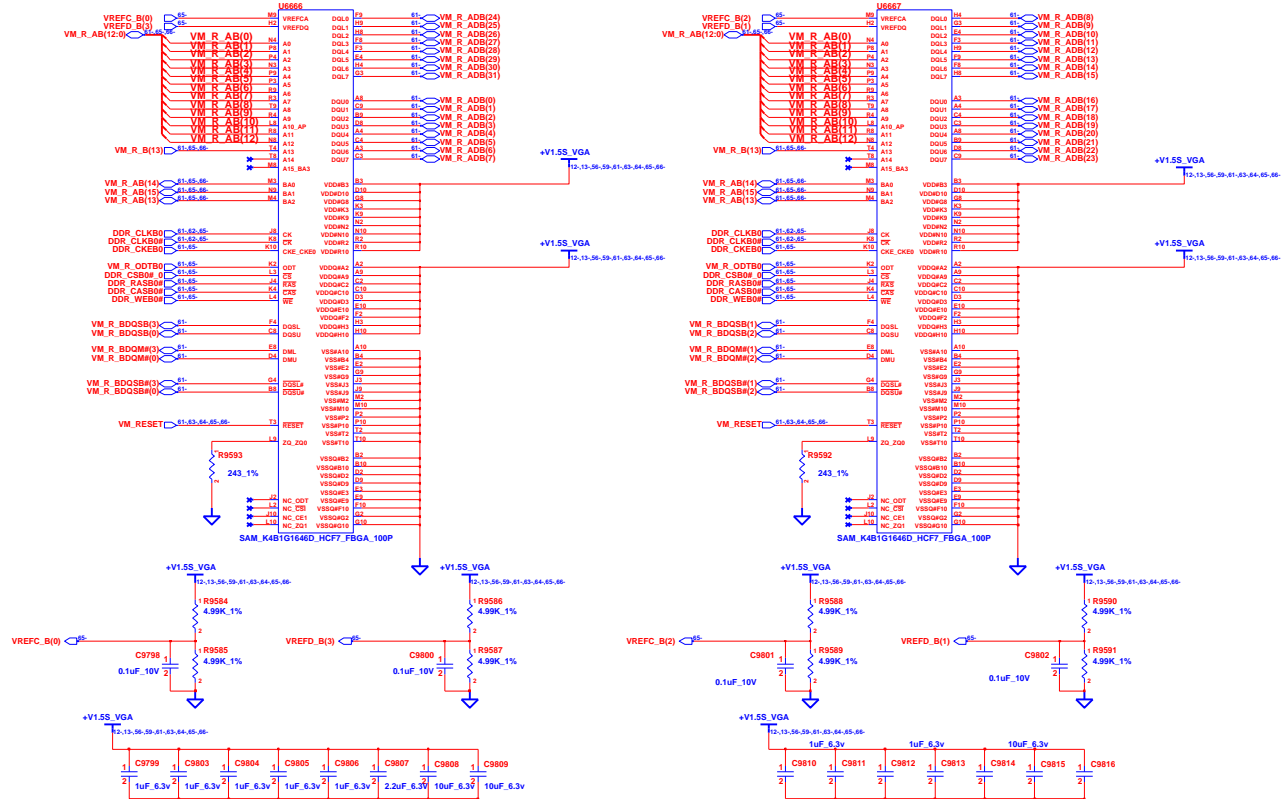








M92 Use channel B



Engineer <i>Enter Name</i>	COMPANY NAME	
Drawn by <i>Drawner Name</i>	Address	Size
R&D CHK	City	
DOC CTRL CHK	TITLE	
MFG ENGR CHK	BLDG	
	VGA	

