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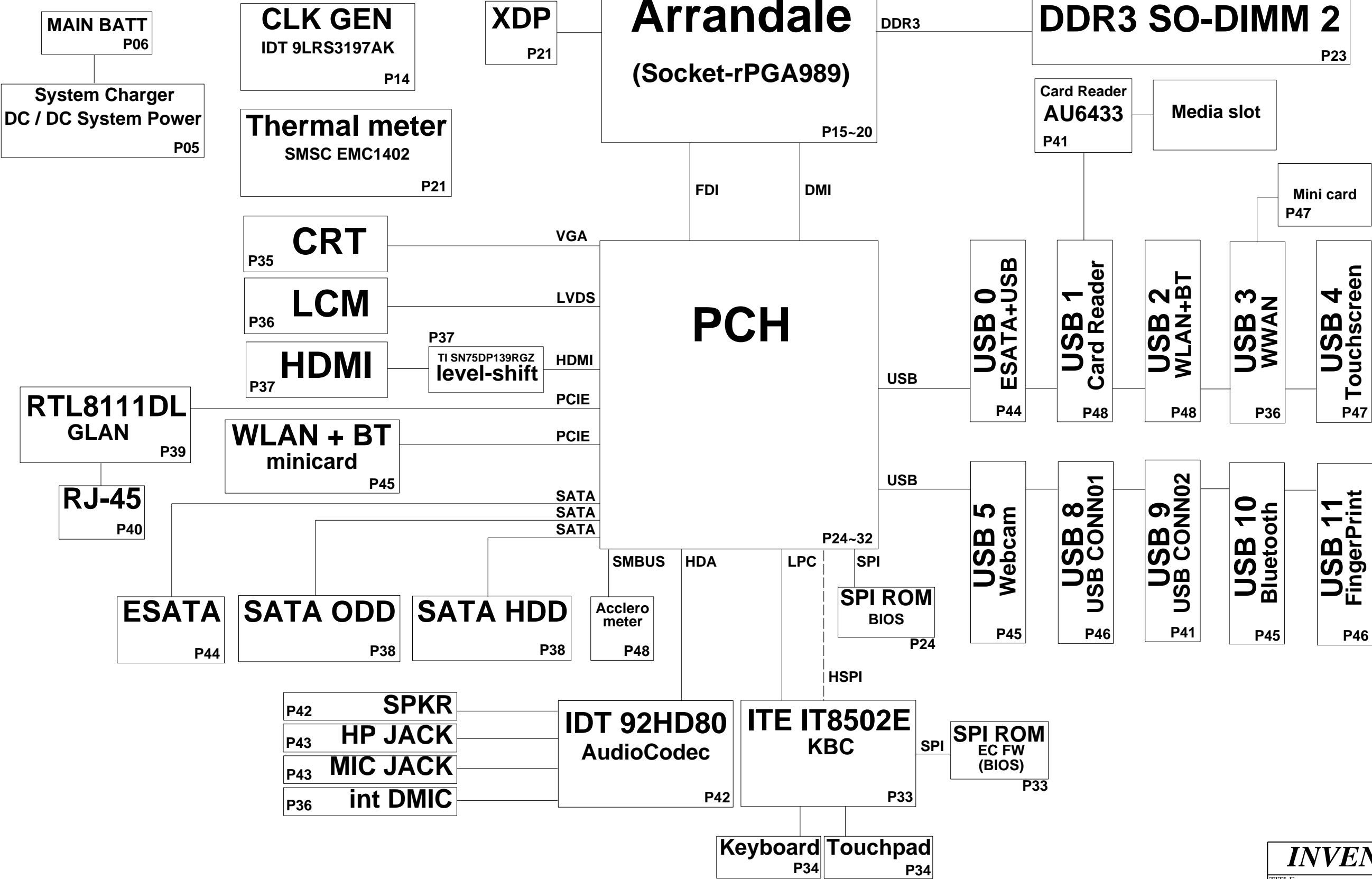
- 31. PCH-8
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- 45. WLAN & BlueTooth
- 46. USB, PowerButton(DB)
- 47. WWAN(Optional)
- 48. TouchScreen, FP & HD LOCK(Optional)

INVENTEC

TITLE			
PELE			
Index			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310A2313301-0-MTR	A
SHEET		2	OF 49

CHANGE by Justin Chen 5-Jan-2010

Inventec Confidential

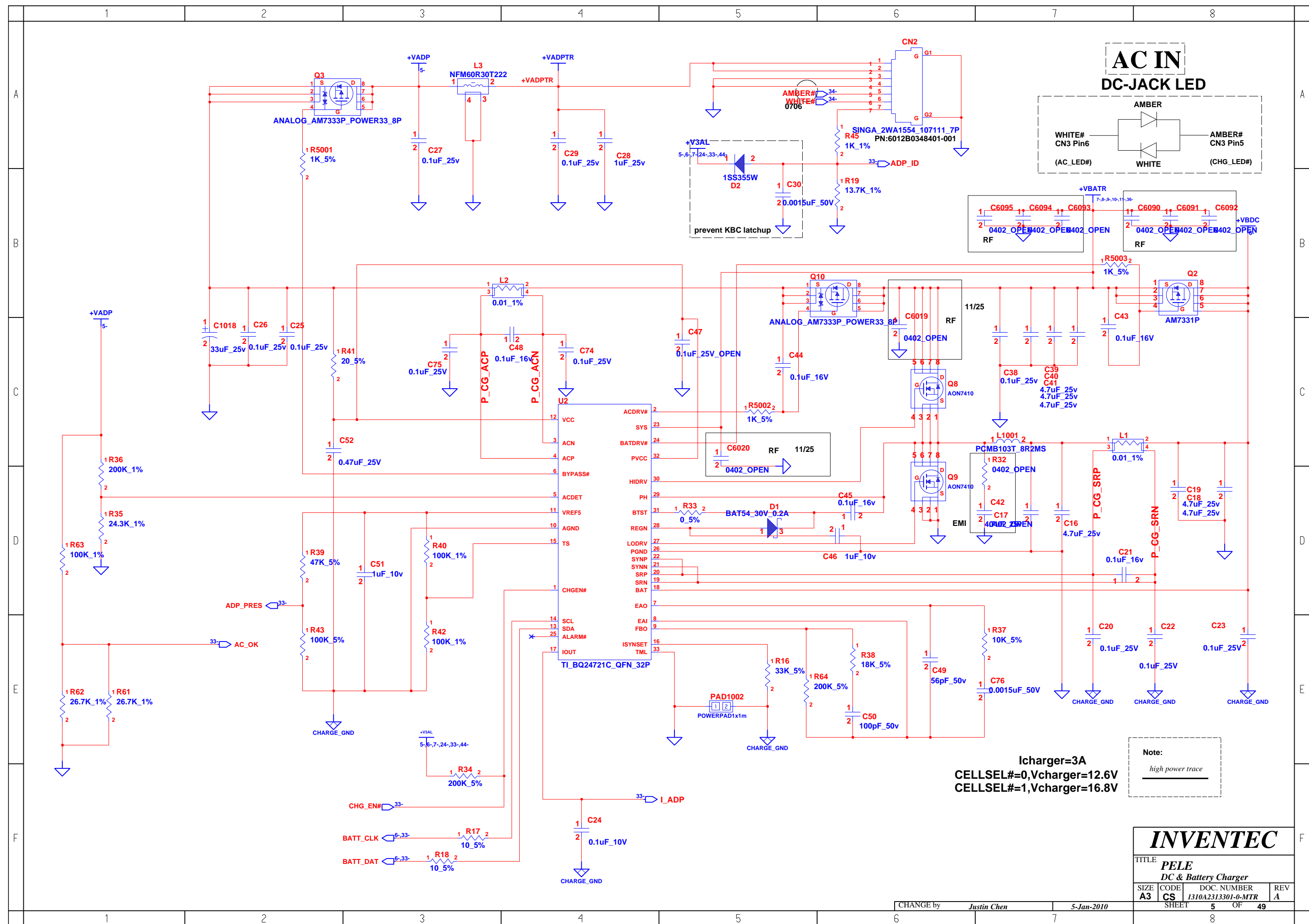


INVENTEC

TITLE **PELE**
Block Diagram

SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310A2313301-0-MTR	A
SHEET		3	OF 49

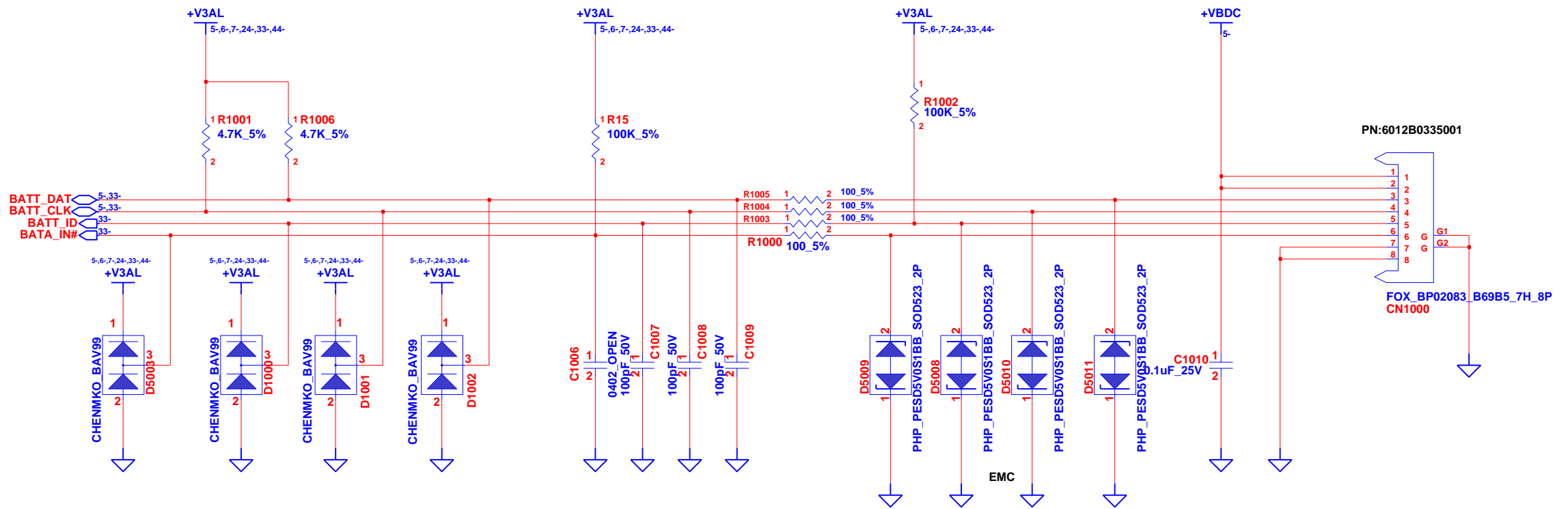
CHANGE by Justin Chen 5-Jan-2010



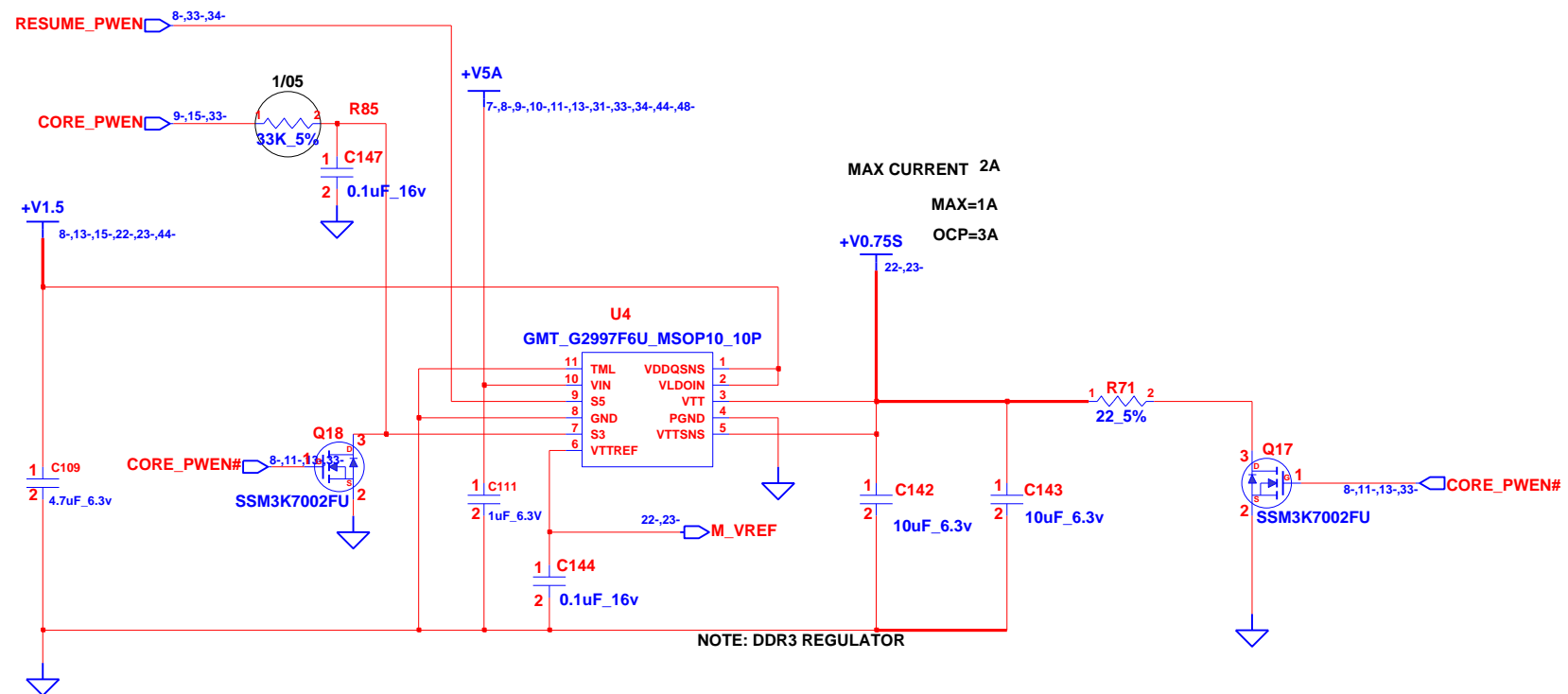
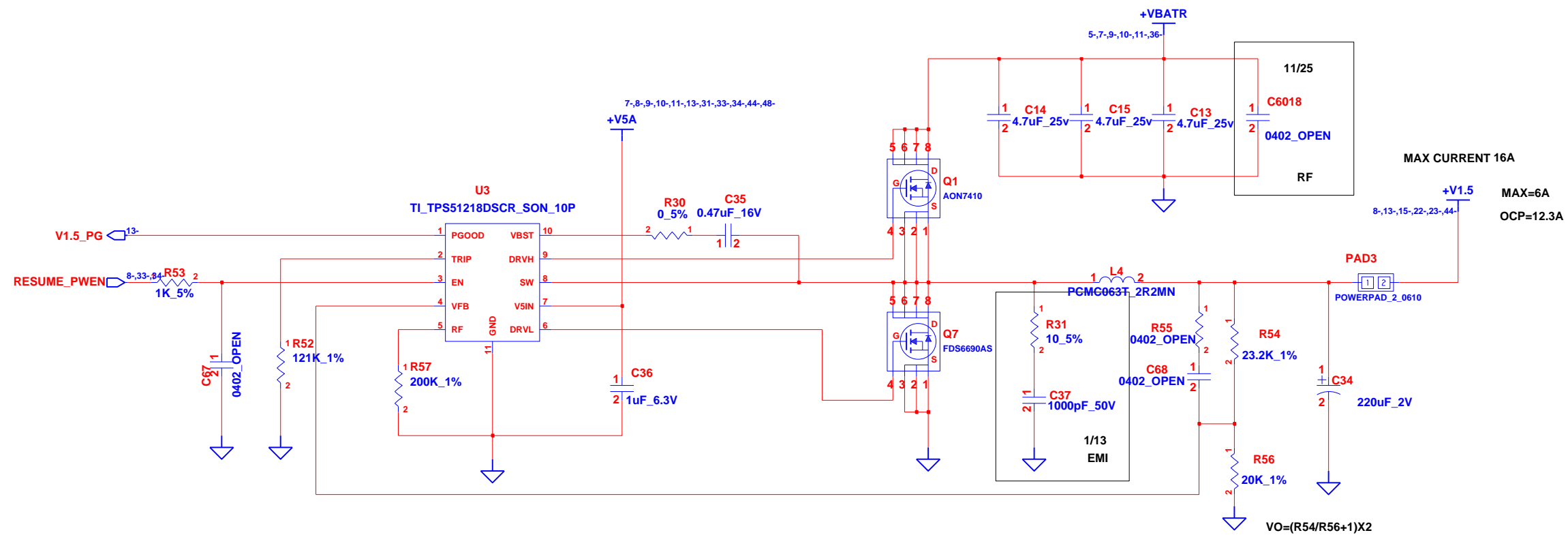
Note:
high power trace

INVENTEC			
TITLE PELE			
DC & Battery Charger			
SIZE A3	CODE CS	DOC. NUMBER 1310A2313301-0-MTR	REV A
SHEET 5		OF 49	

CHANGE by Justin Chen 5-Jan-2010



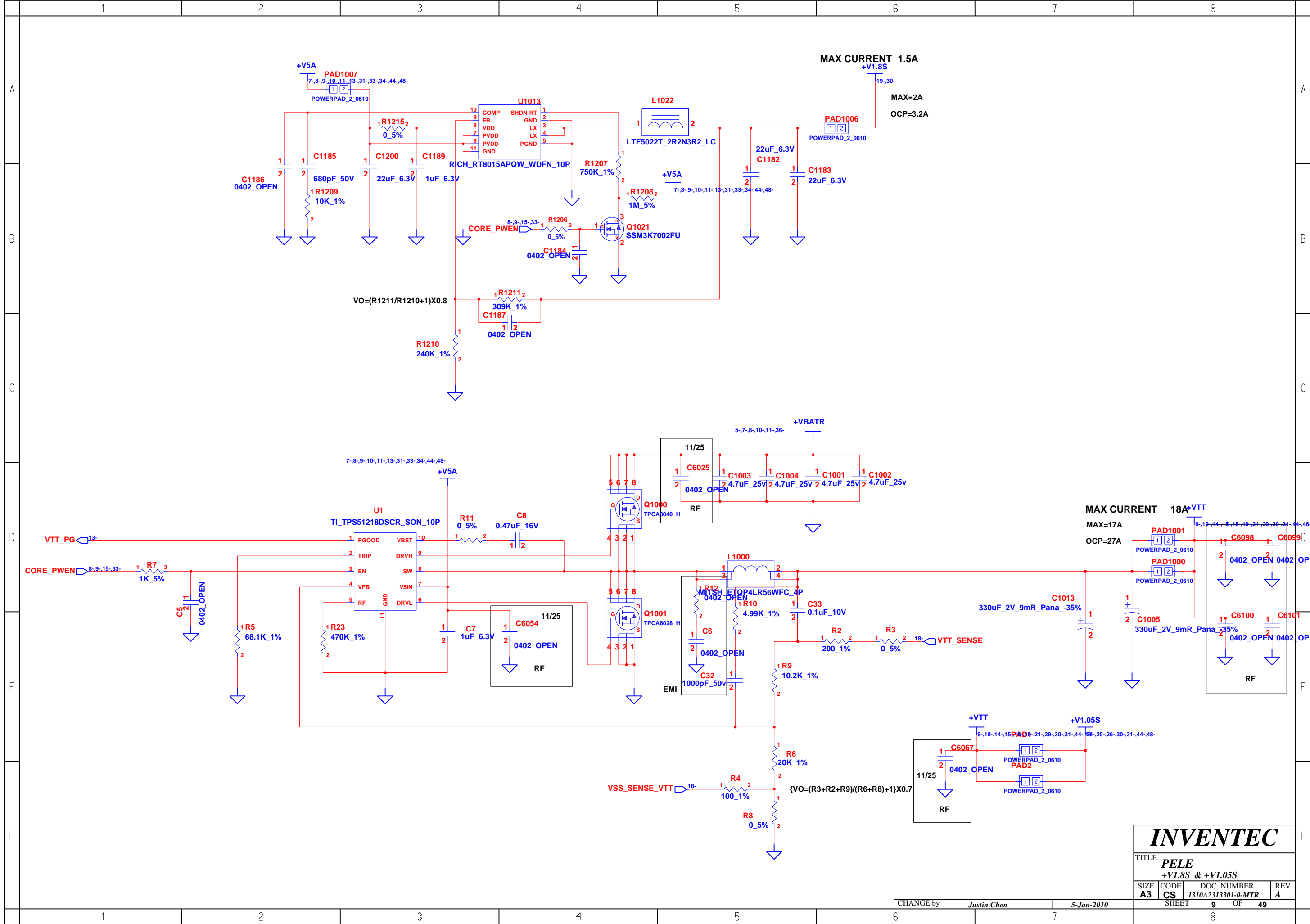
INVENTEC			
TITLE PELE Battery CONN			
SIZE A3	CODE CS	DOC. NUMBER I310A2313301-0-MTR	REV A
CHANGE by Justin Chen		5-Jan-2010	
SHEET 6		OF 49	



INVENTEC

TITLE PELE			
+V1.5 & +V0.75			
SIZE A3	CODE CS	DOC. NUMBER I310A2313301-0-MTR	REV A
SHEET 8		OF 49	

CHANGE by **Justin Chen** 5-Jan-2010



	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 **PELE**
Reserve Page

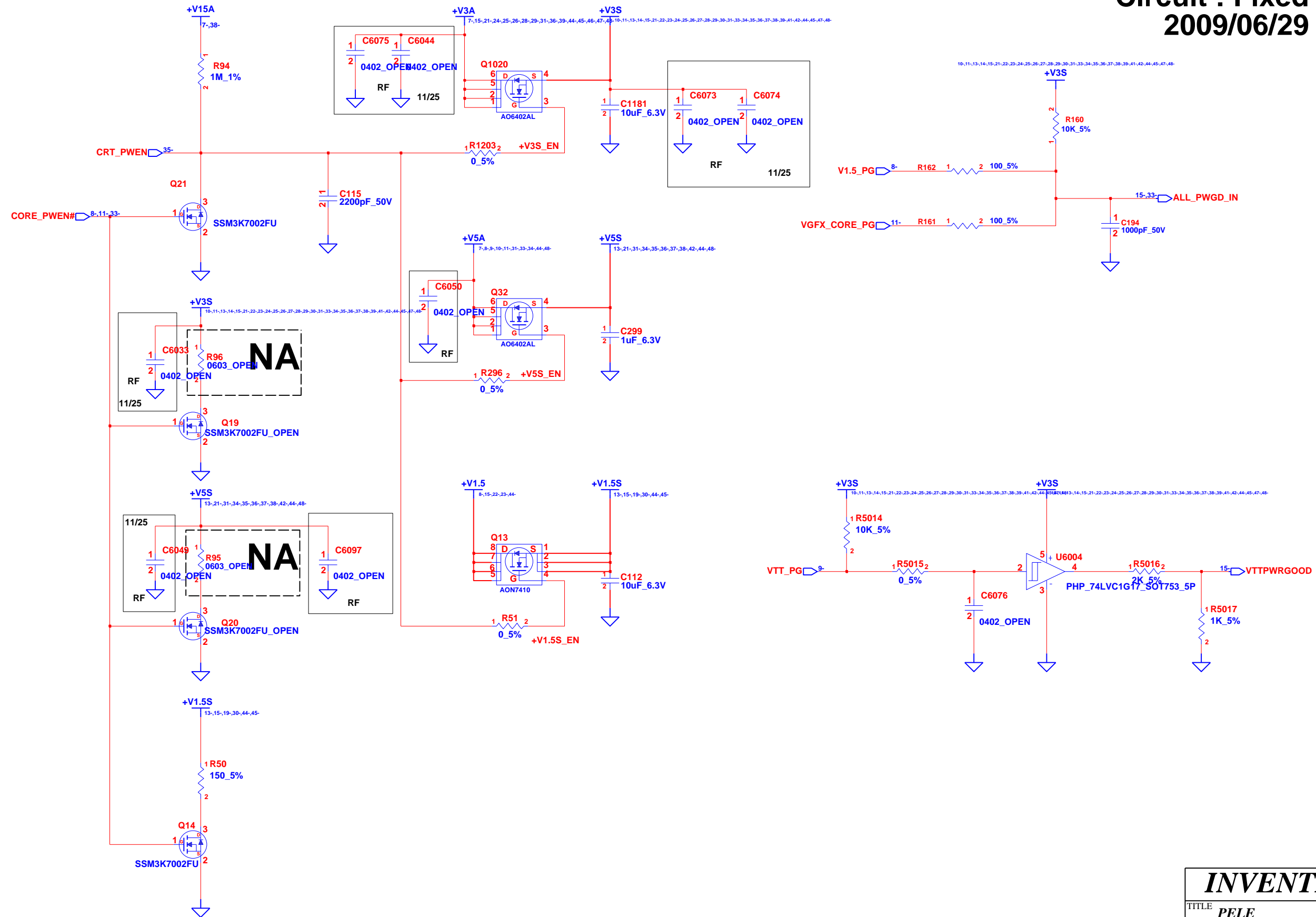
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CHANGE by **Justin Chen** **5-Jan-2010**

SHEET **12** OF **49**

Circuit : Fixed

2009/06/29

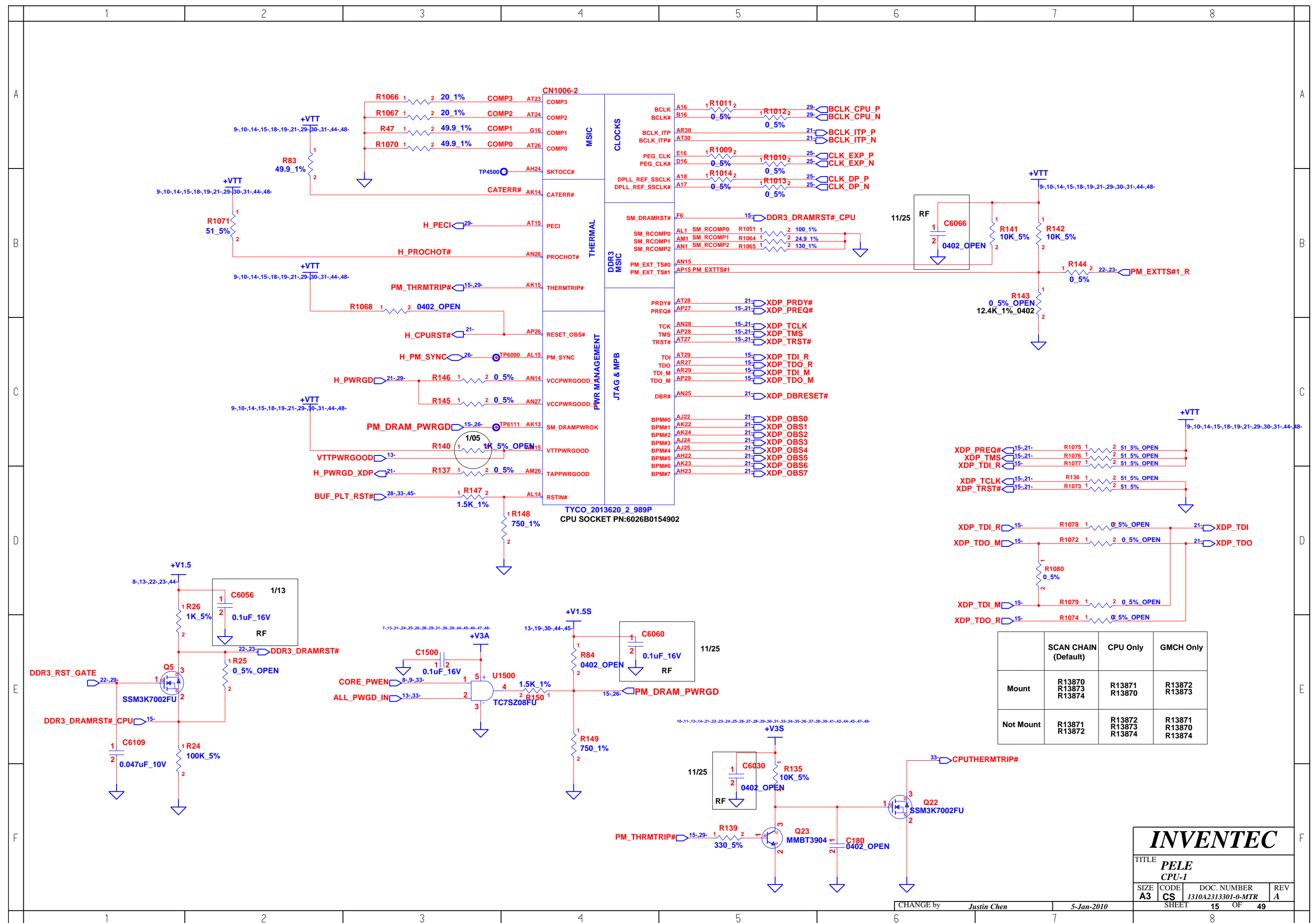


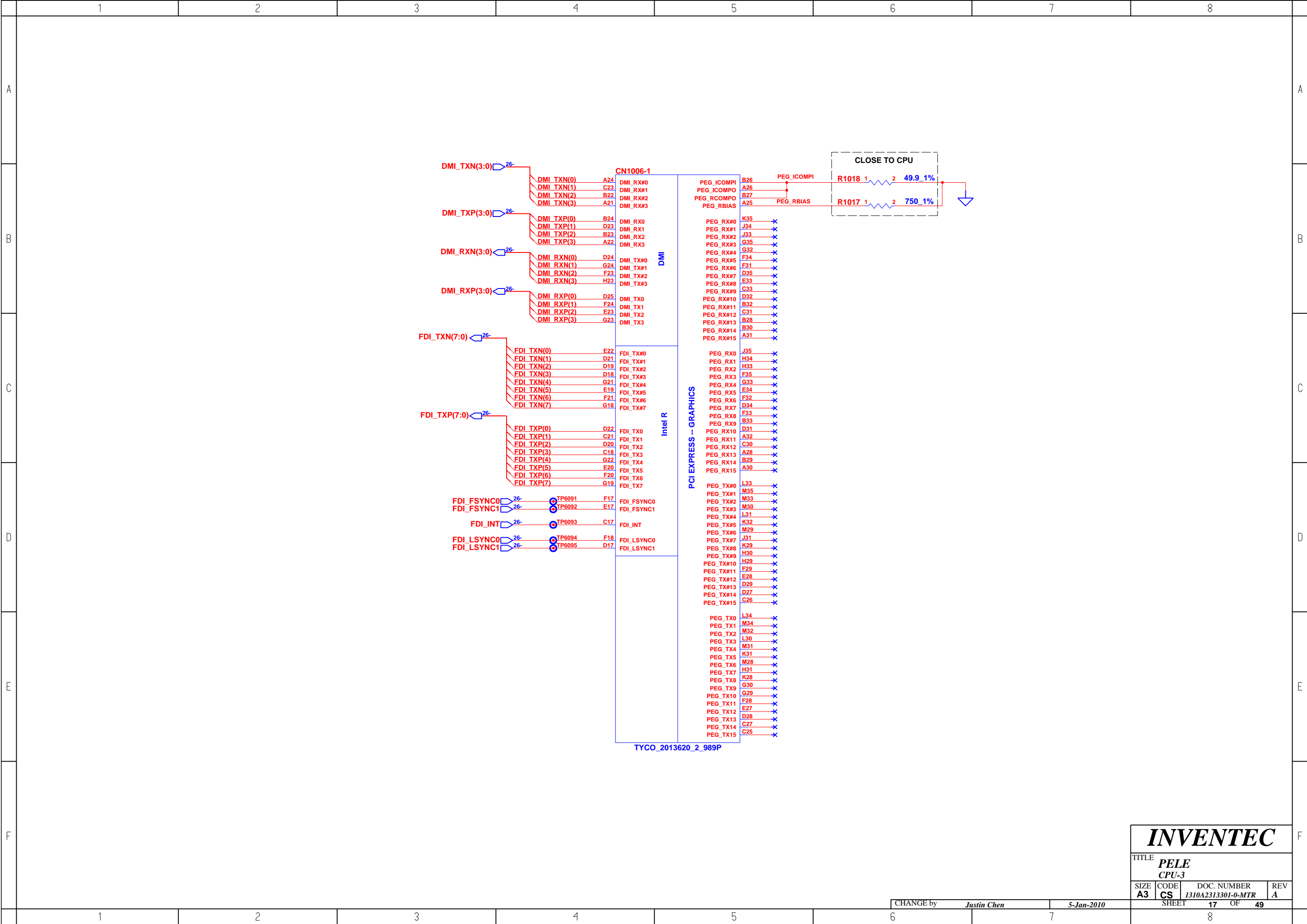
INVENTEC

TITLE			
PELE			
+V5S & +V3S			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310A2313301-0-MTR	A
SHEET		13	OF 49

CHANGE by Justin Chen 5-Jan-2010

[illegible]





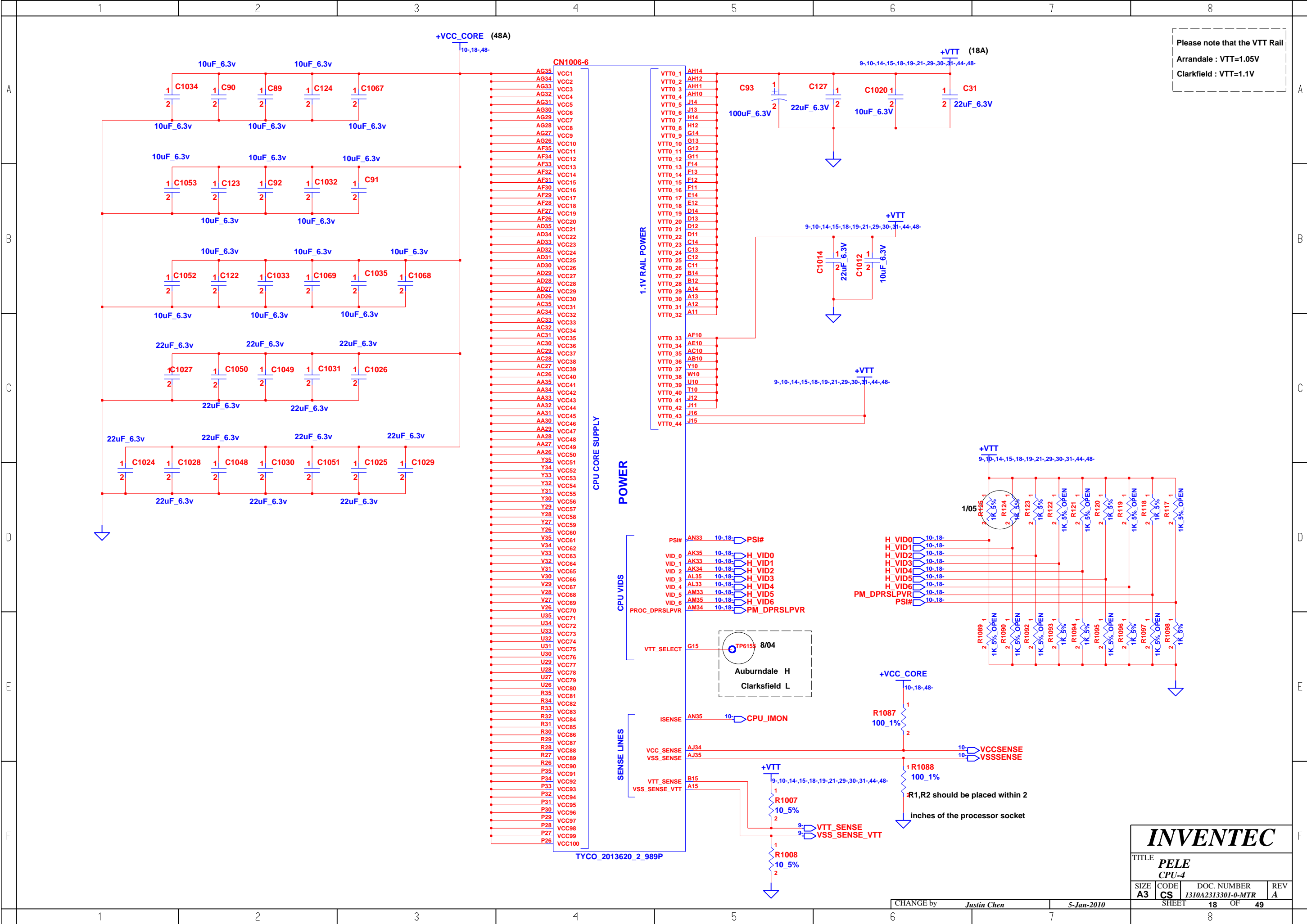
INVENTEC

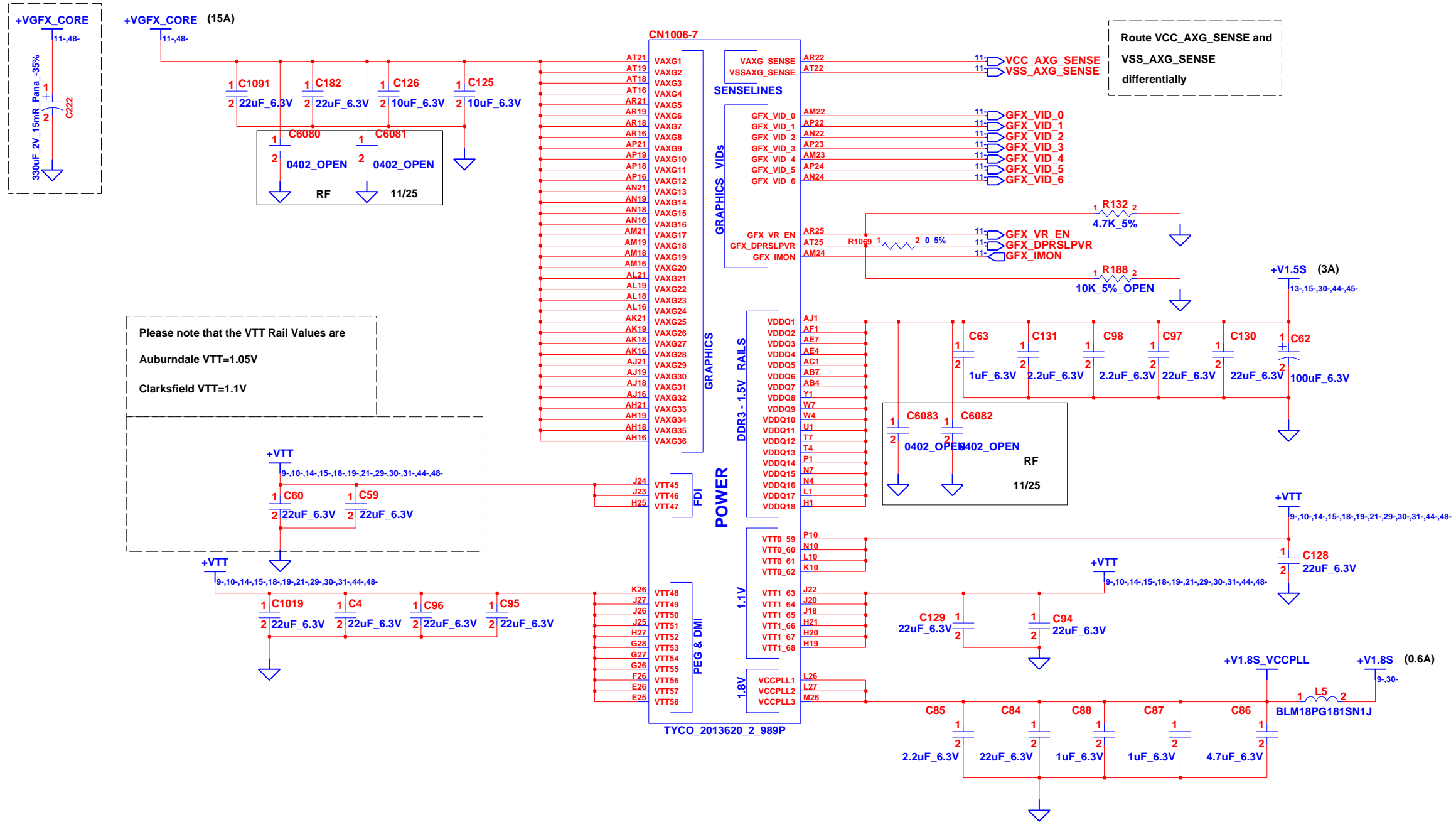
TITLE
PELE
CPU-3

SIZE A3	CODE CS	DOC. NUMBER I310A2313301-0-MTR	REV A
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CHANGE by Justin Chen 5-Jan-2010

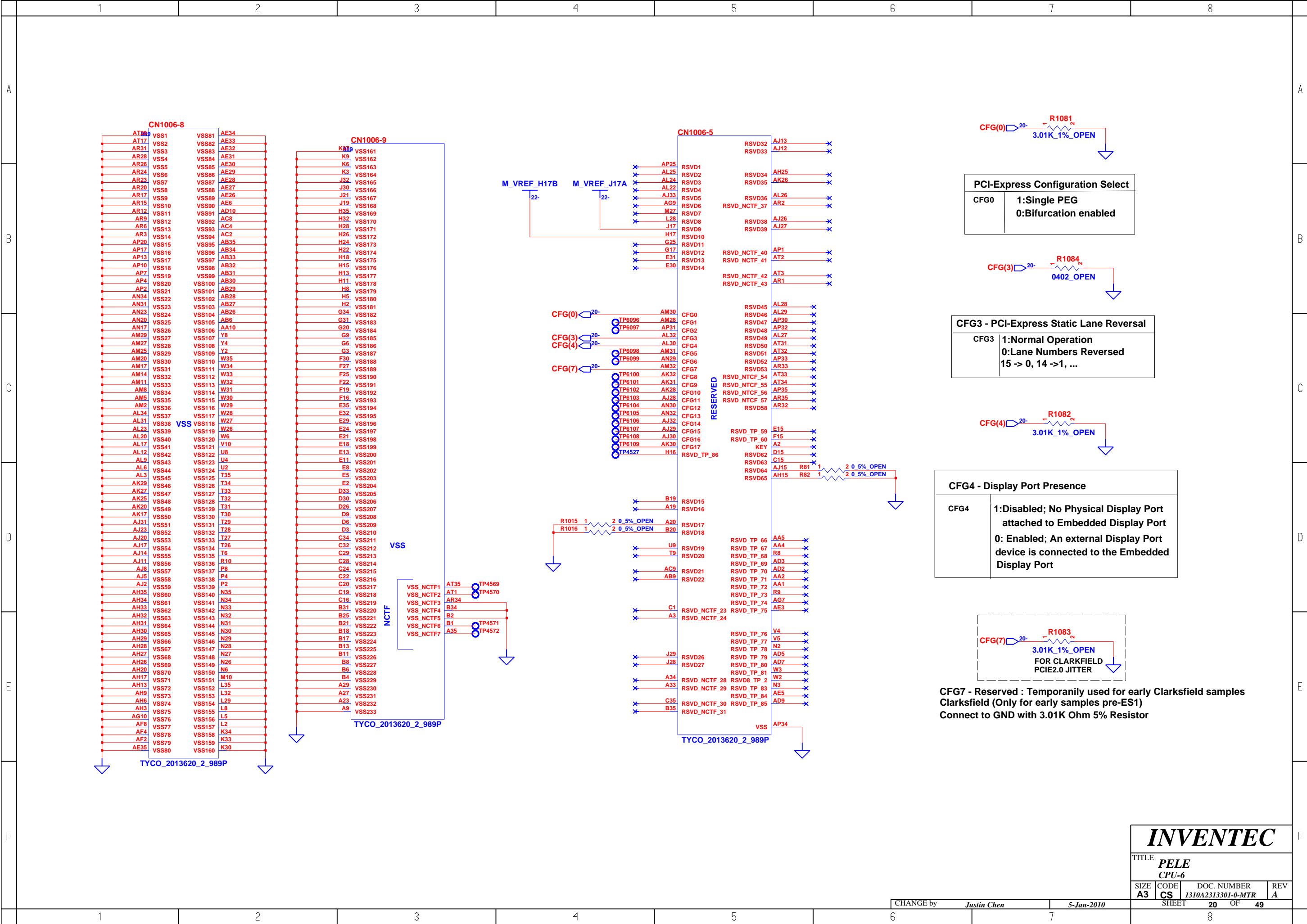
SHEET 17 OF 49



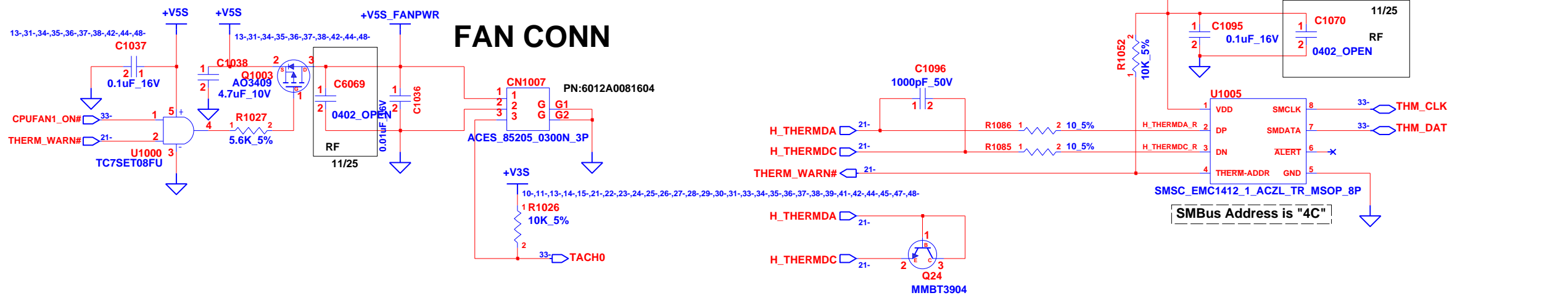


Please note that the VTT Rail Values are
Auburndale VTT=1.05V
Clarksfield VTT=1.1V

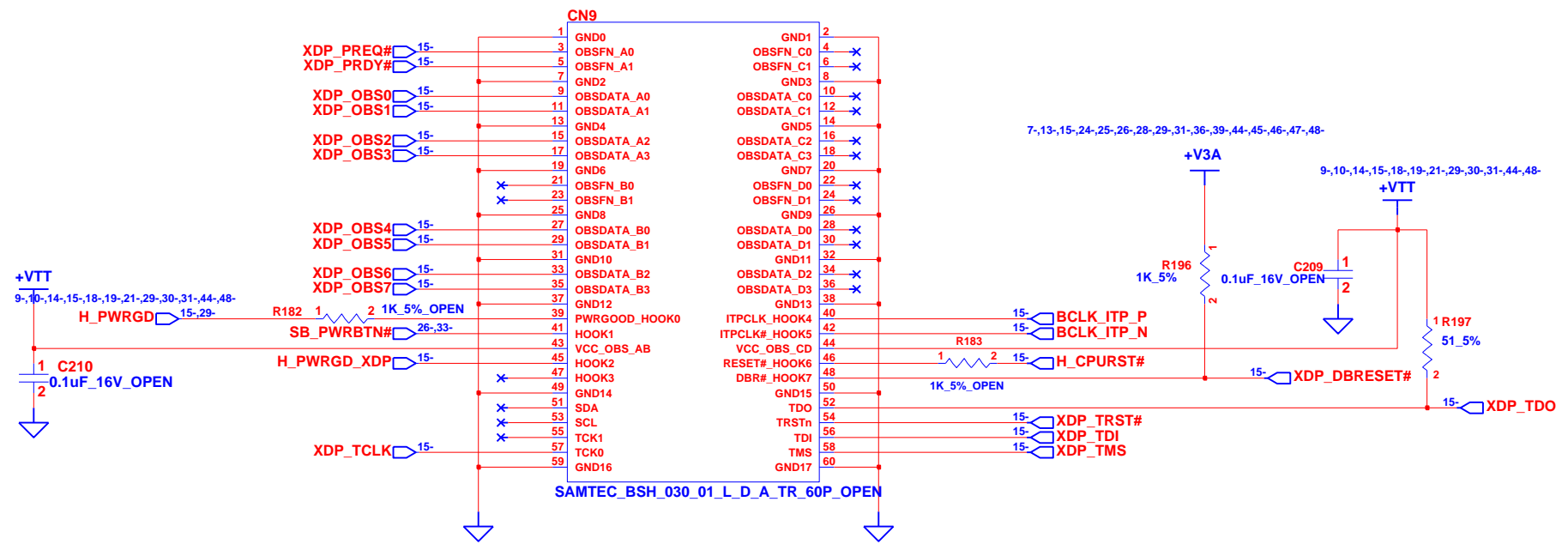
Route VCC_AXG_SENSE and
VSS_AXG_SENSE
differentially



Circuit : Fixed
2009/06/29



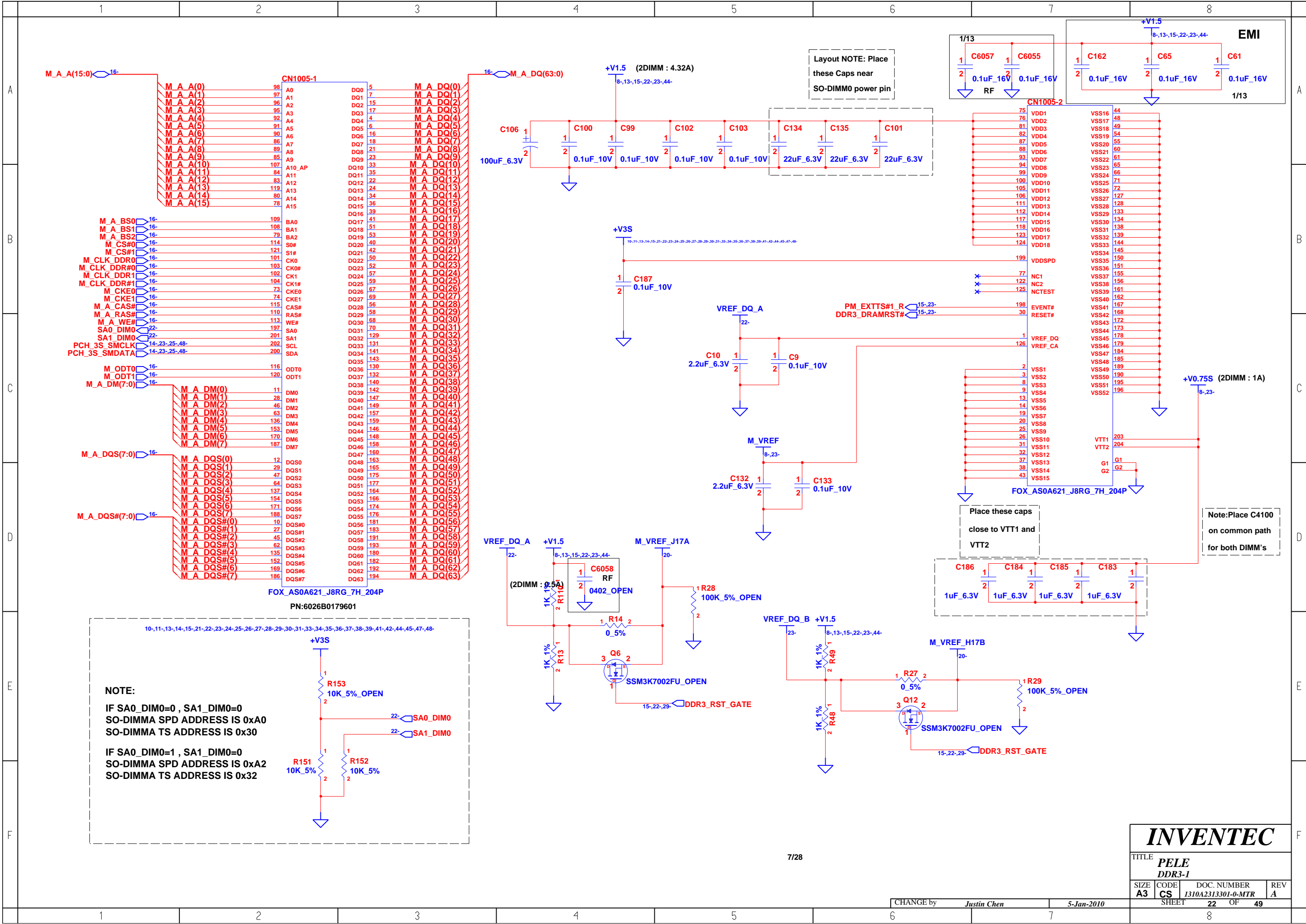
NA
XDP CONNECTOR



INVENTEC

TITLE			
PELE			
Thermal, Fan & XDP			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310A2313301-0-MTR	A
SHEET		21	OF 49

CHANGE by Justin Chen 5-Jan-2010



INVENTEC

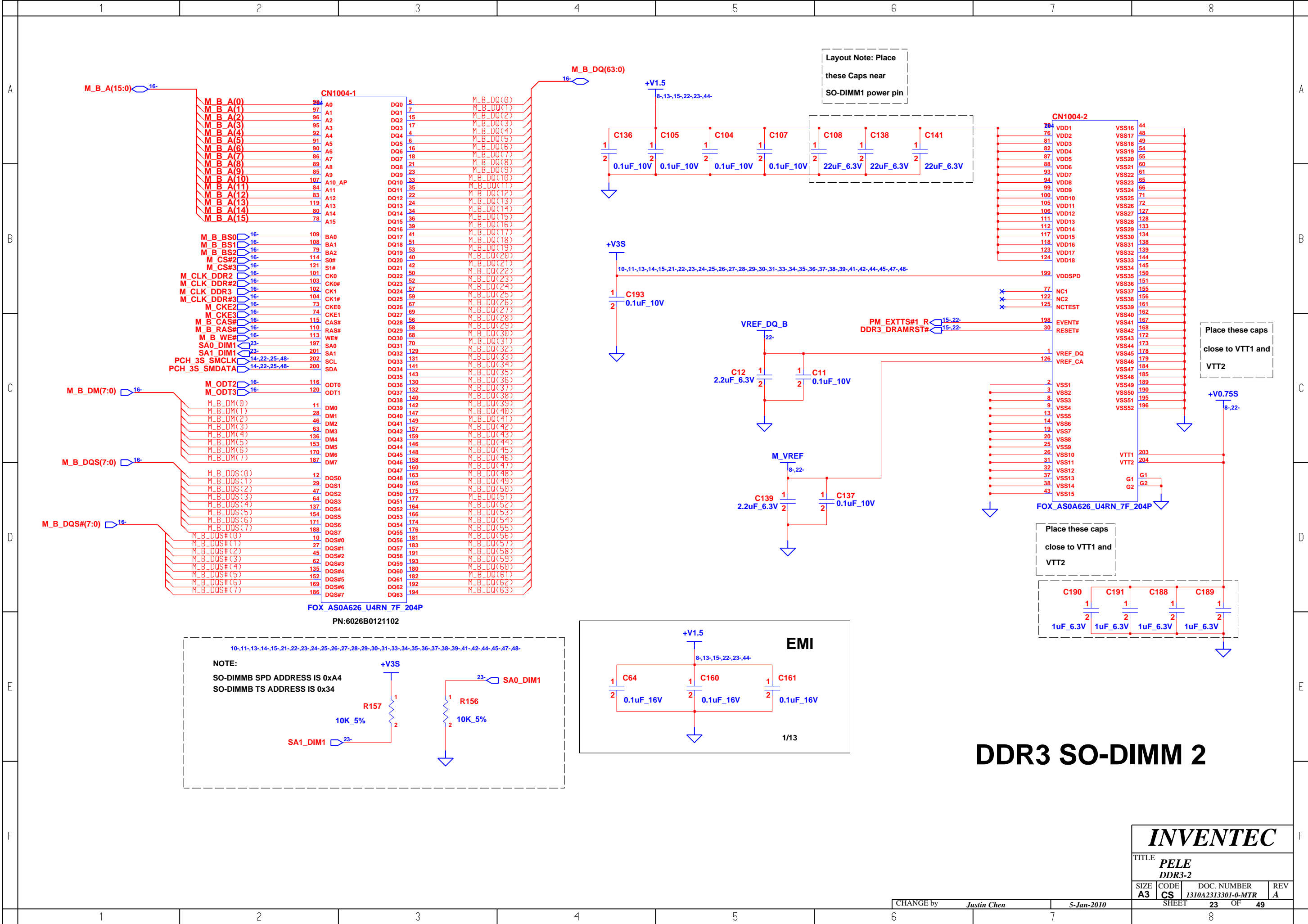
TITLE
PELE
DDR3-1

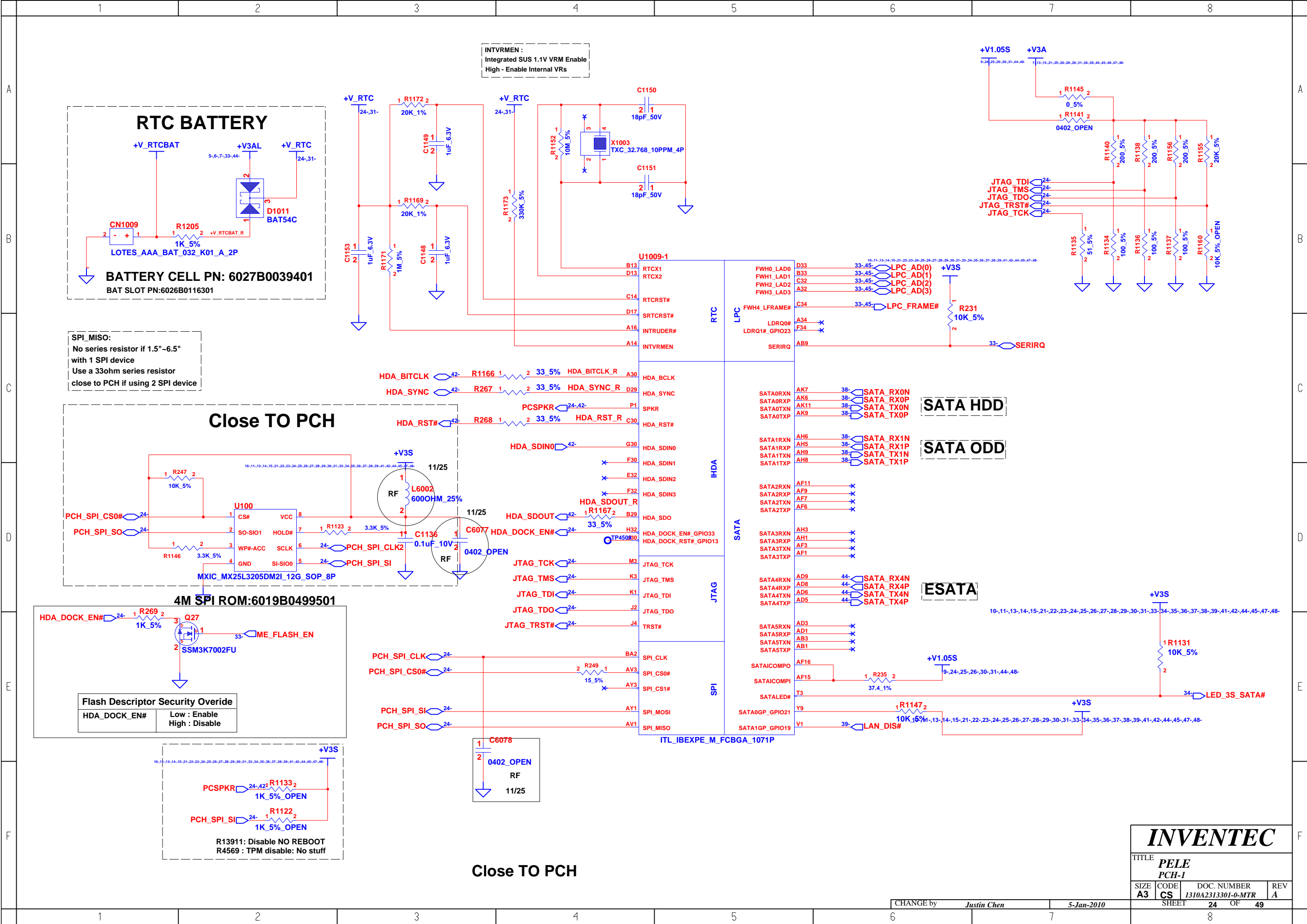
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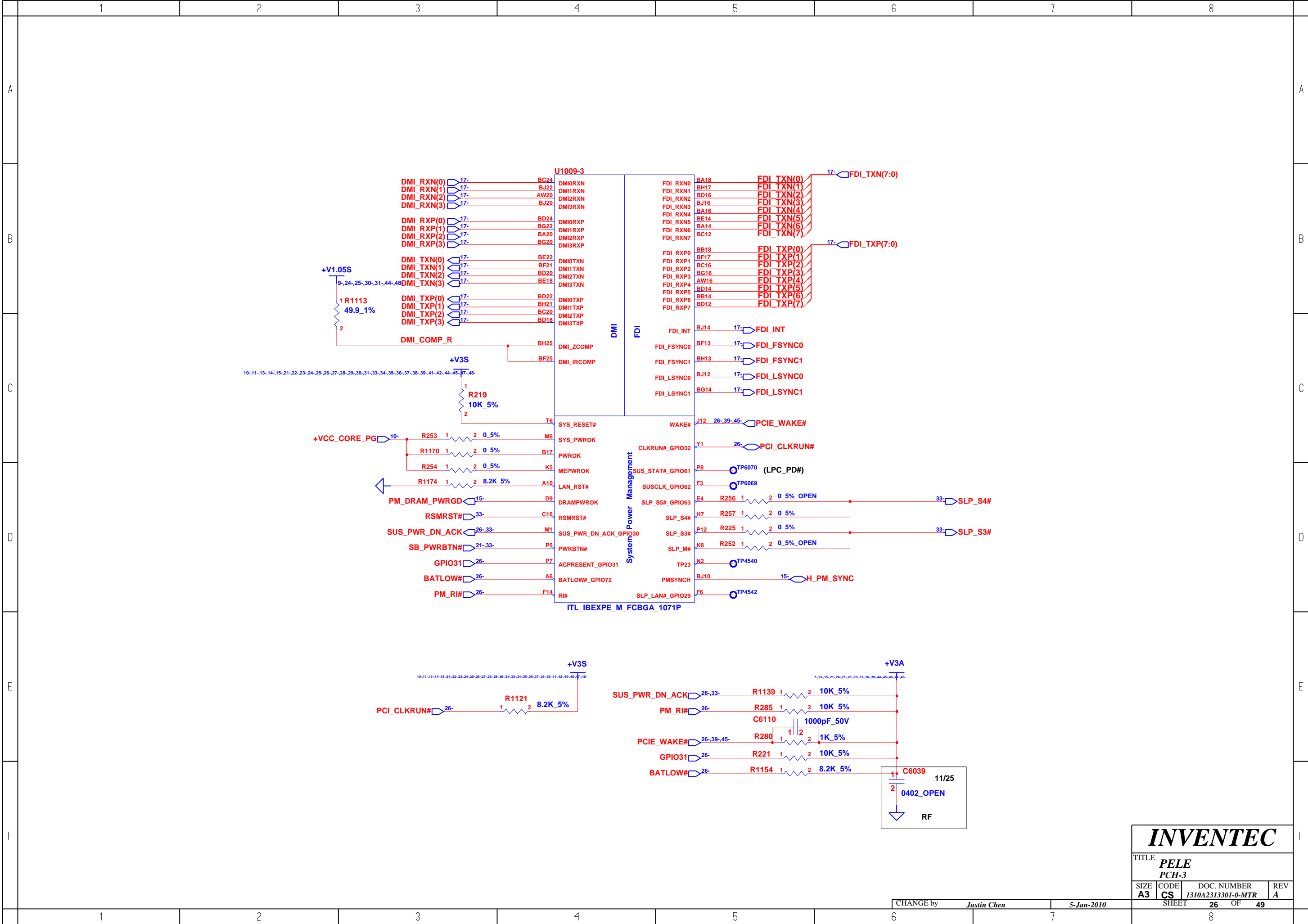
CHANGE by Justin Chen

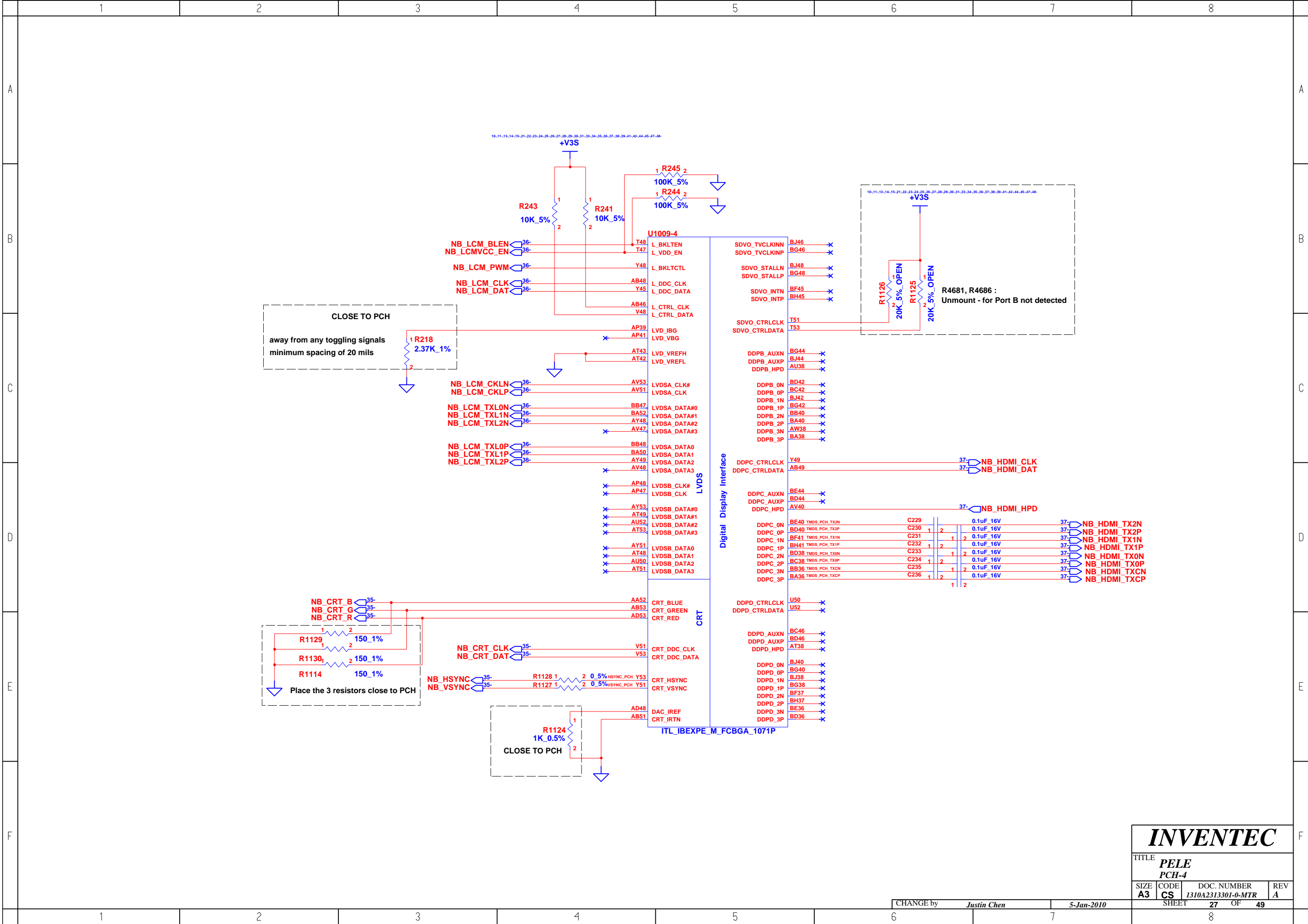
5-Jan-2010

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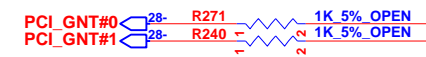
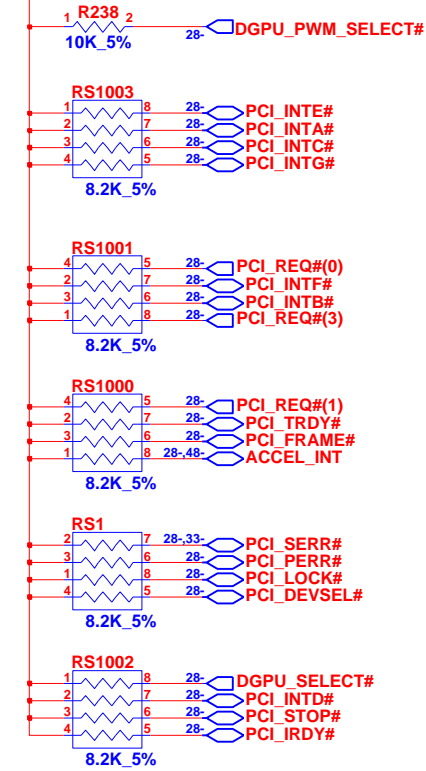
INVENTEC

TITLE
PELE
PCH-4

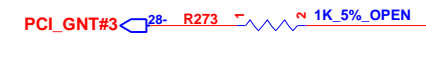
SIZE A3	CODE CS	DOC. NUMBER I310A2313301-0-MTR	REV A
SHEET 27		OF 49	

CHANGE by **Justin Chen** 5-Jan-2010

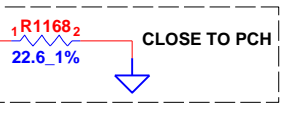
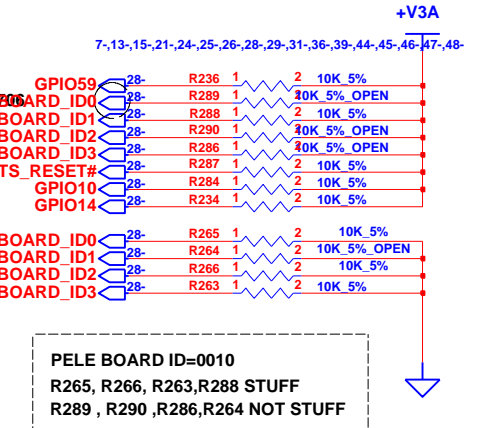
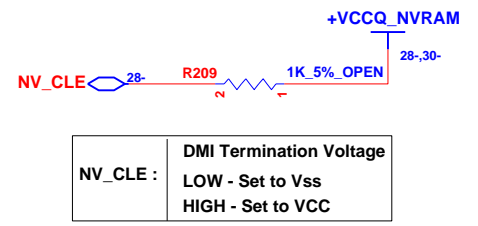
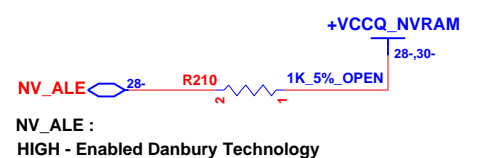
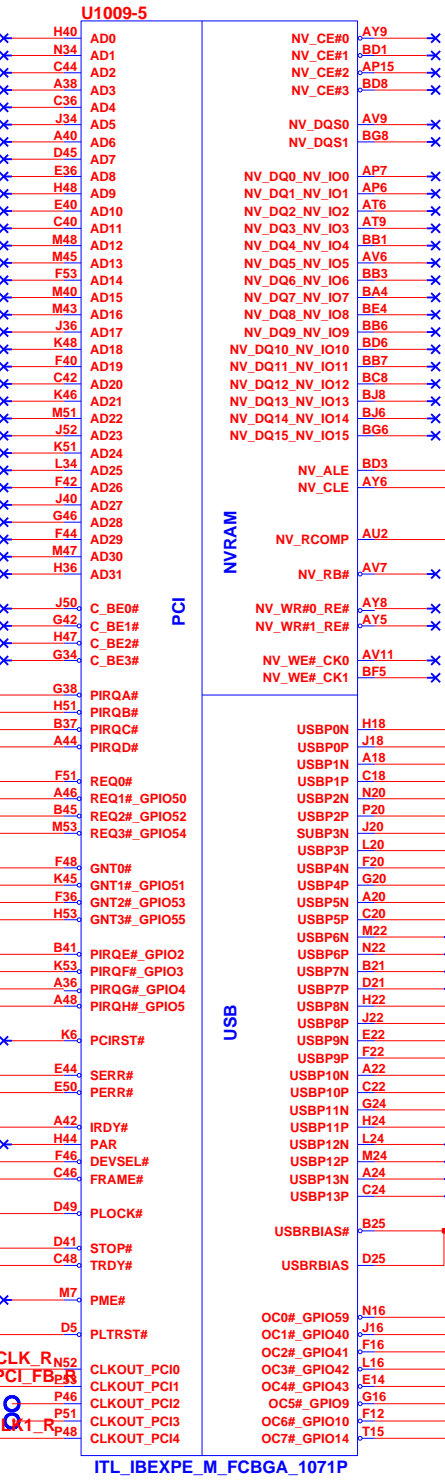
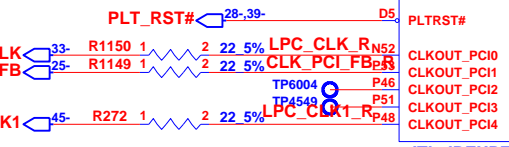
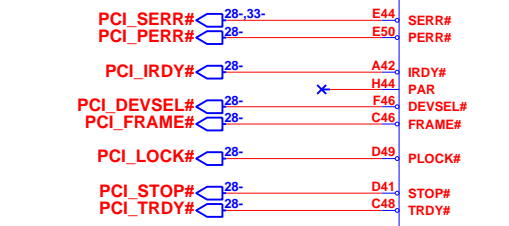
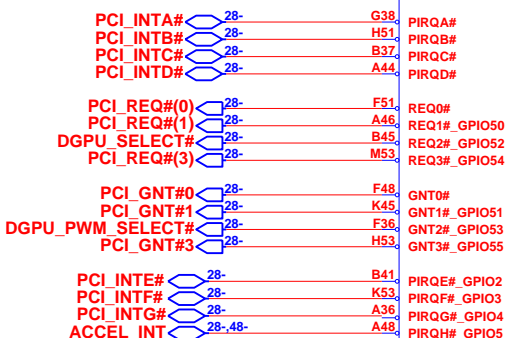
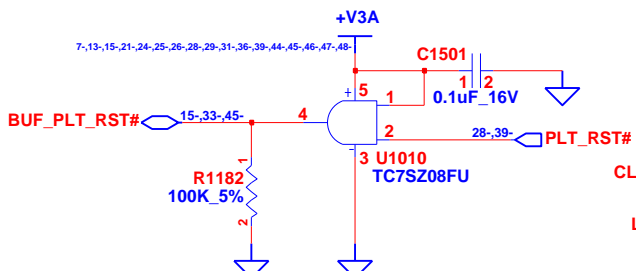
+V3S
1,11,13,14,15,21,22,23,24,25,26,27,29,30,31,33,34,35,36,37,38,39,41,42,44,45,47,48



PCI_GNT#1	PCI_GNT#0	BOOT BIOS Location
0	0	LPC
0	1	Reserved (NAND)
1	0	PCI
1	1	SPI



PCI_GNT#3 :
LOW - A16 swap override / Top-Block Swap Override enabled



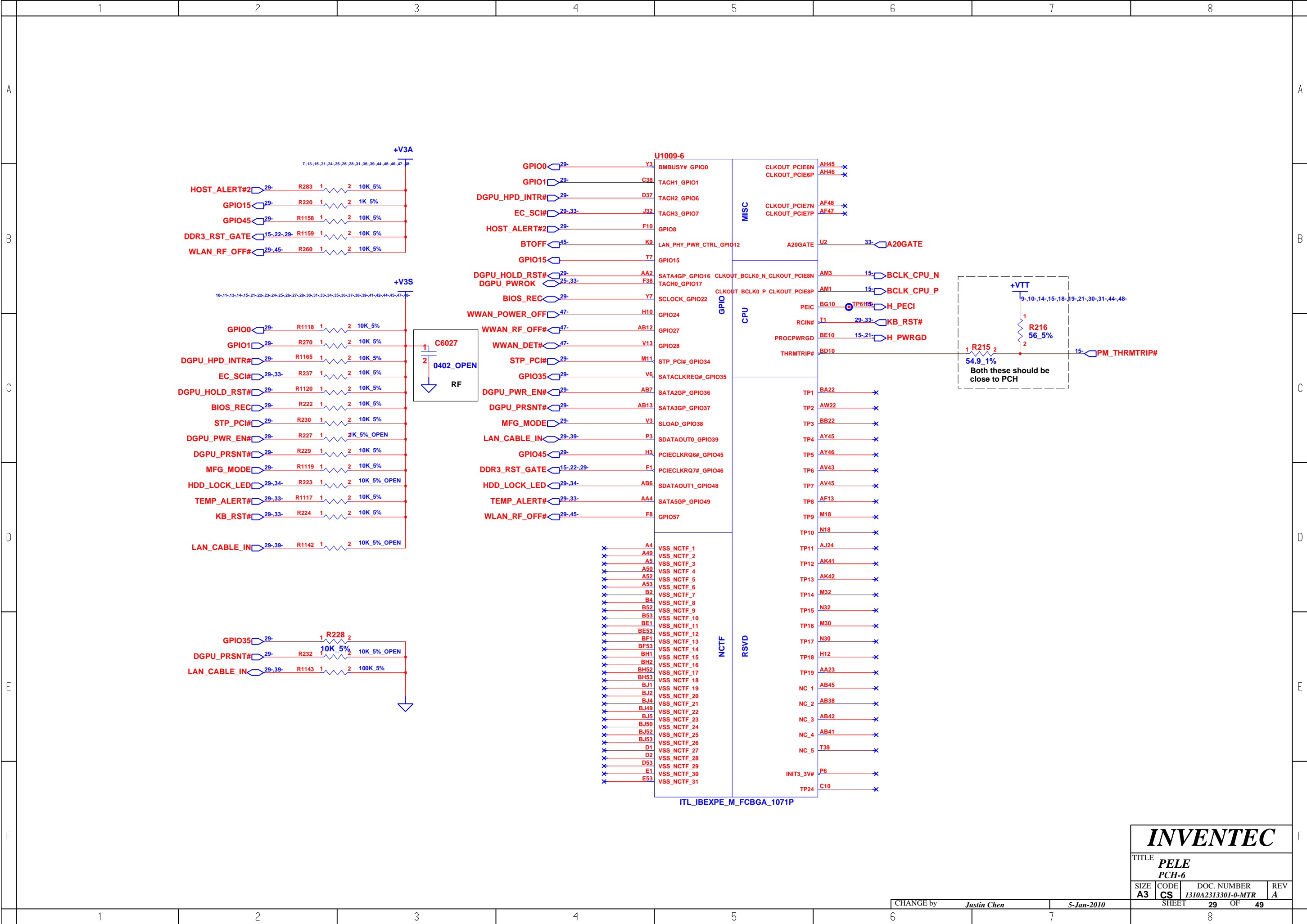
INVENTEC

TITLE **PELE**
PCH-5

SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310A2313301-0-MTR	A

CHANGE by **Justin Chen** 5-Jan-2010

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INVENTEC

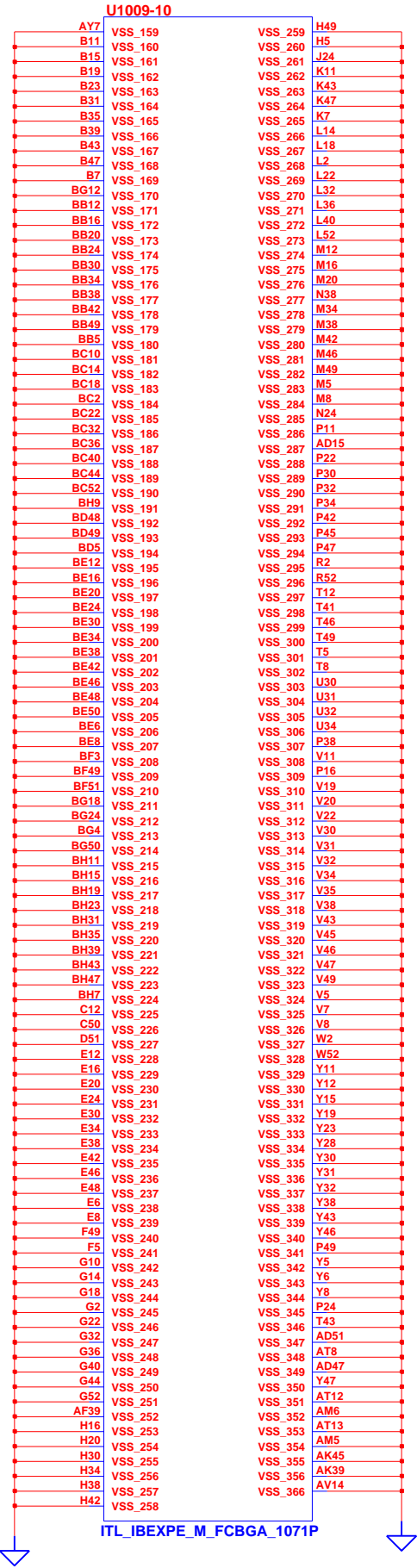
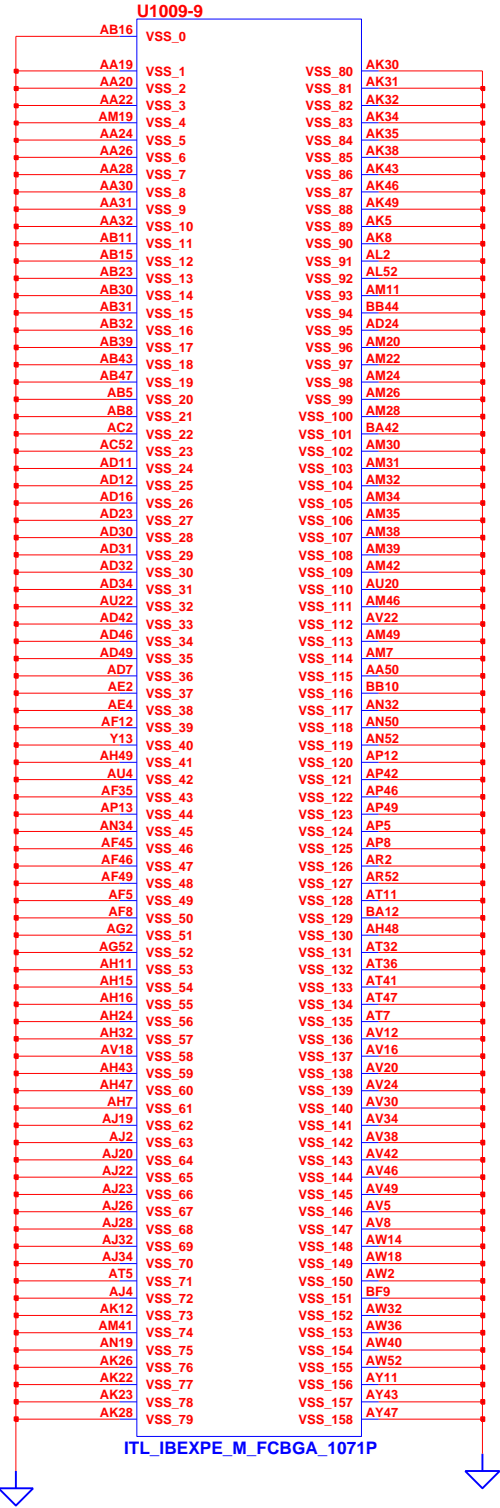
TITLE
PELE
PCH-6

SIZE A3	CODE CS	DOC. NUMBER I310A2313301-0-MTR	REV A
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CHANGE by Justin Chen 5-Jan-2010

SHEET 29 OF 49

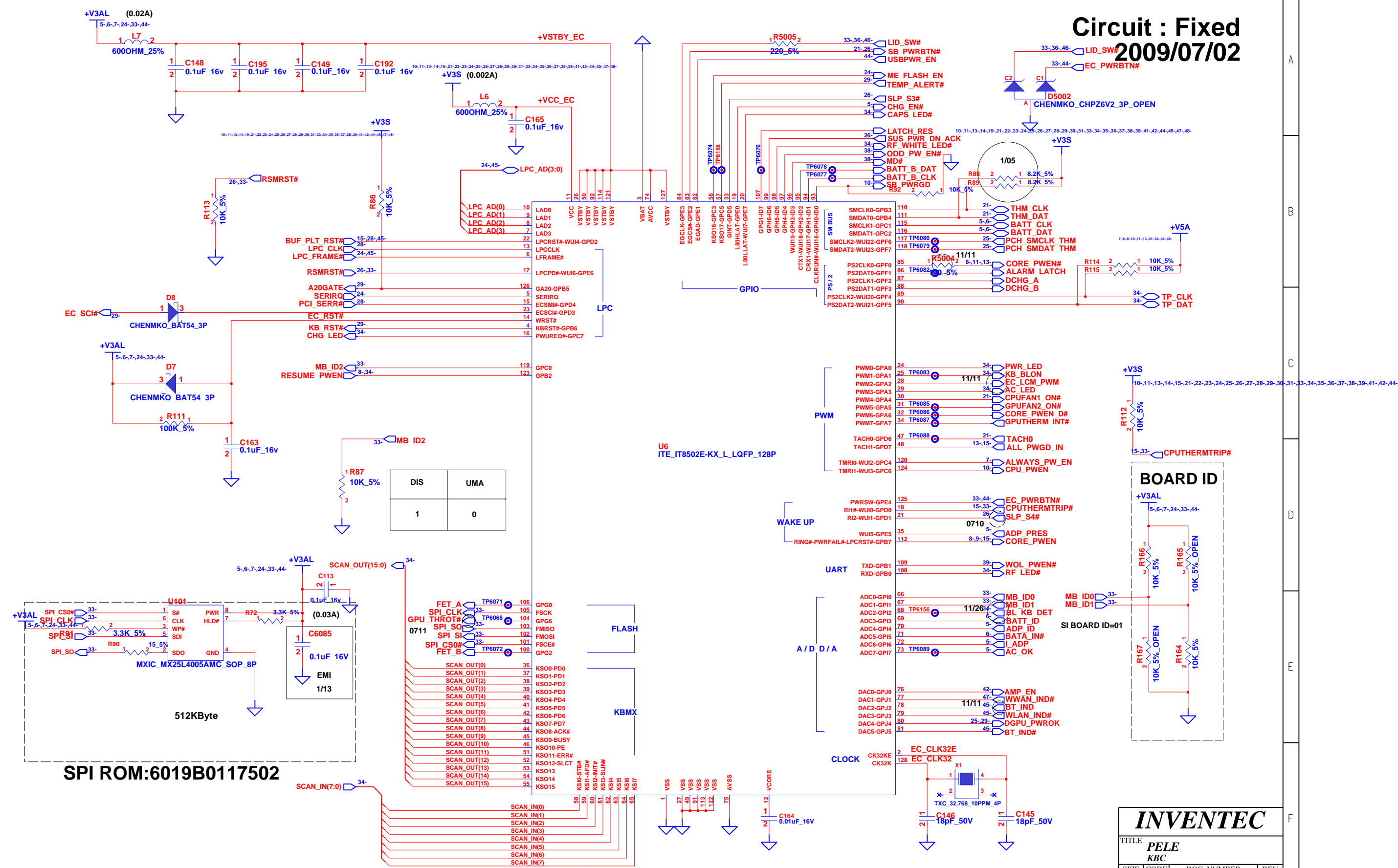
	1	2	3	4	5	6	7	8	
A									A
B									B
C									C
D									D
E									E
F									F



INVENTEC			
TITLE PELE PCH-9			
SIZE A3	CODE CS	DOC. NUMBER I310A2313301-0-MTR	REV A
SHEET 32		OF 49	

CHANGE by Justin Chen 5-Jan-2010

Circuit : Fixed
2009/07/02



BOARD ID

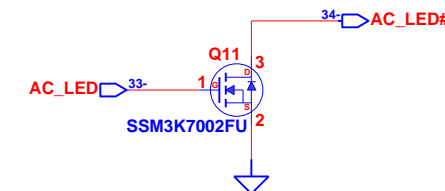
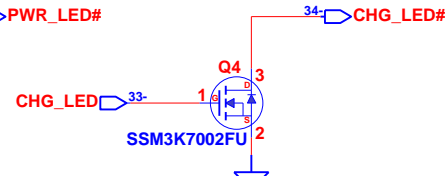
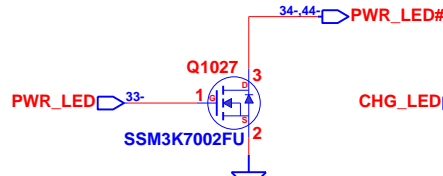
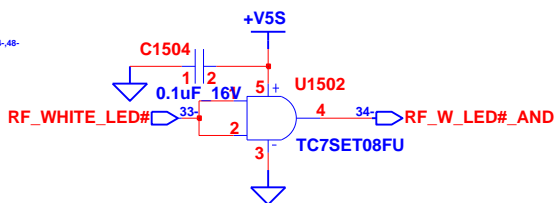
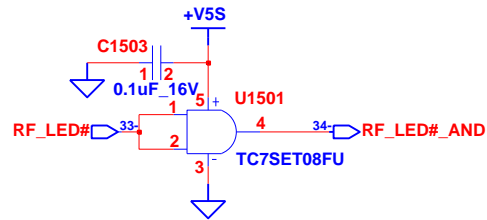
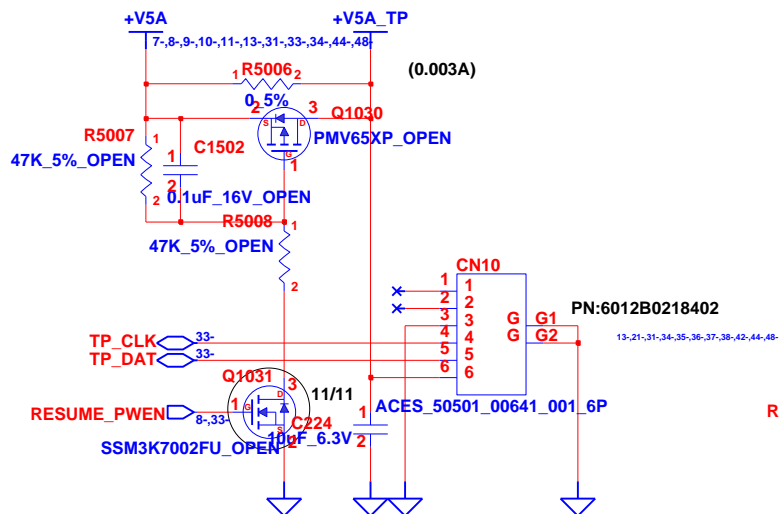
SI BOARD ID=01

10K 5%
10K 5%
10K 5%
10K 5%

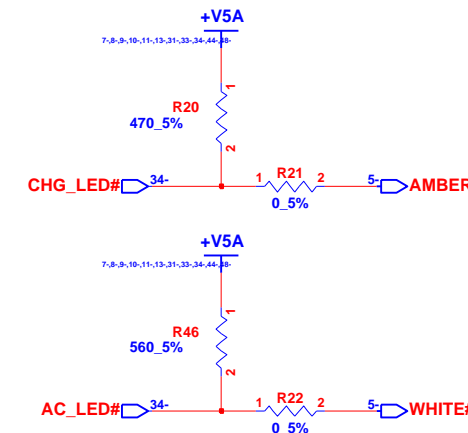
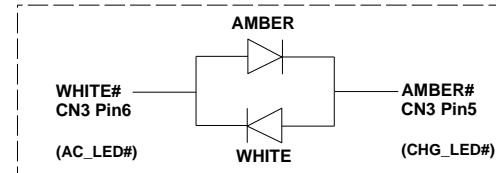
INVENTEC			
TITLE PELE			
KBC			
SIZE A3	CODE CS	DOC. NUMBER 1310A2313301-0-MTR	REV A
SHEET 33		OF 49	

CHANGE by Justin Chen 5-Jan-2010

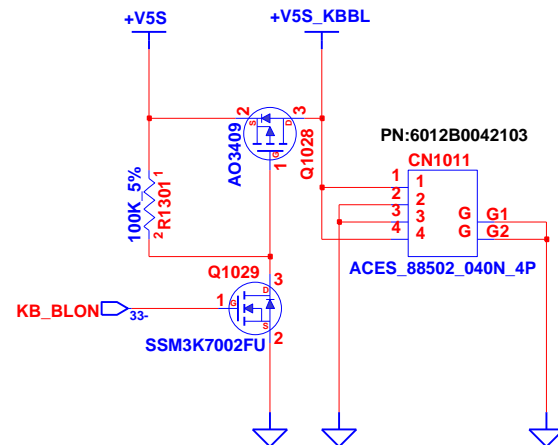
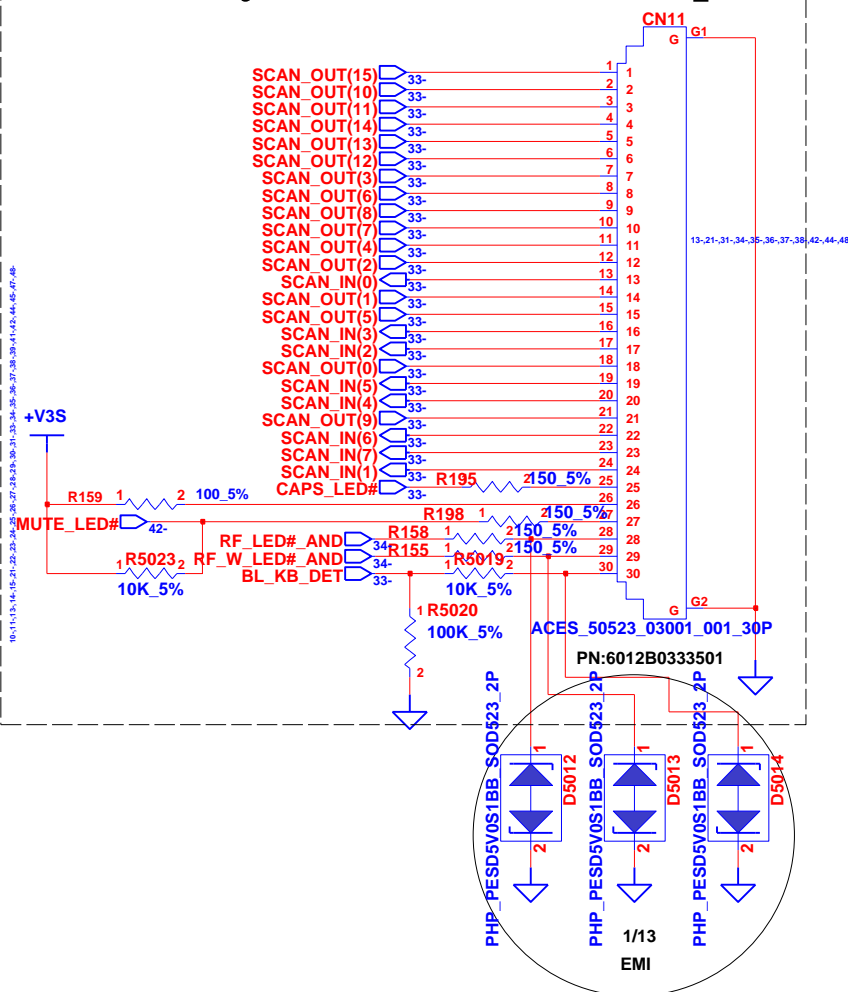
TouchPad Module CONN



DC-JACK LED

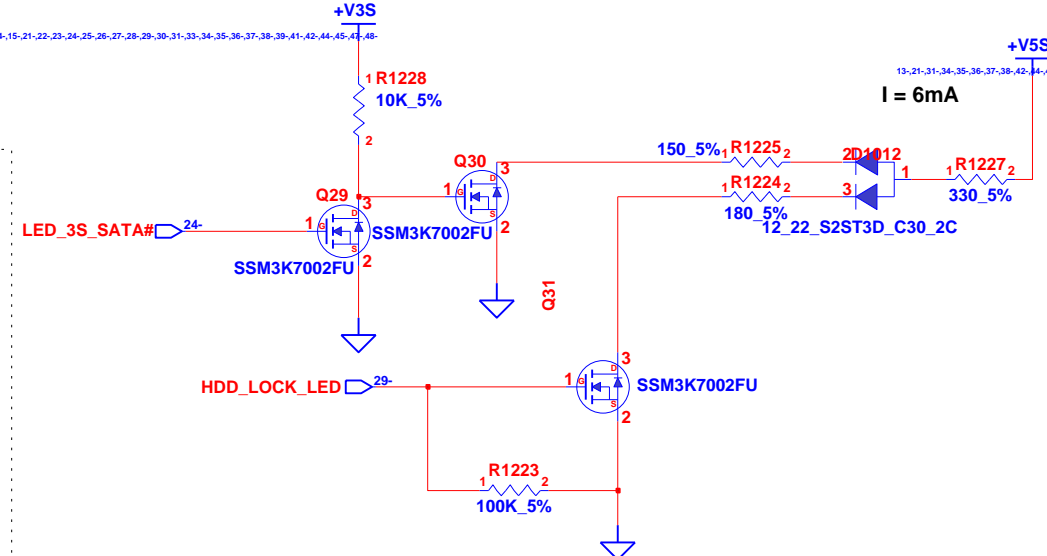


KeyBoard CONN (30 pin)

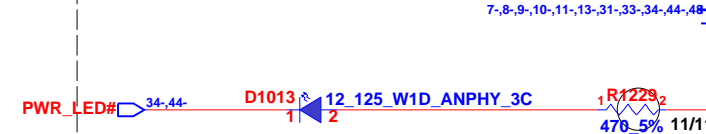


2009/11/11

SATA LED & HDD-HALTED LED



POWER LED



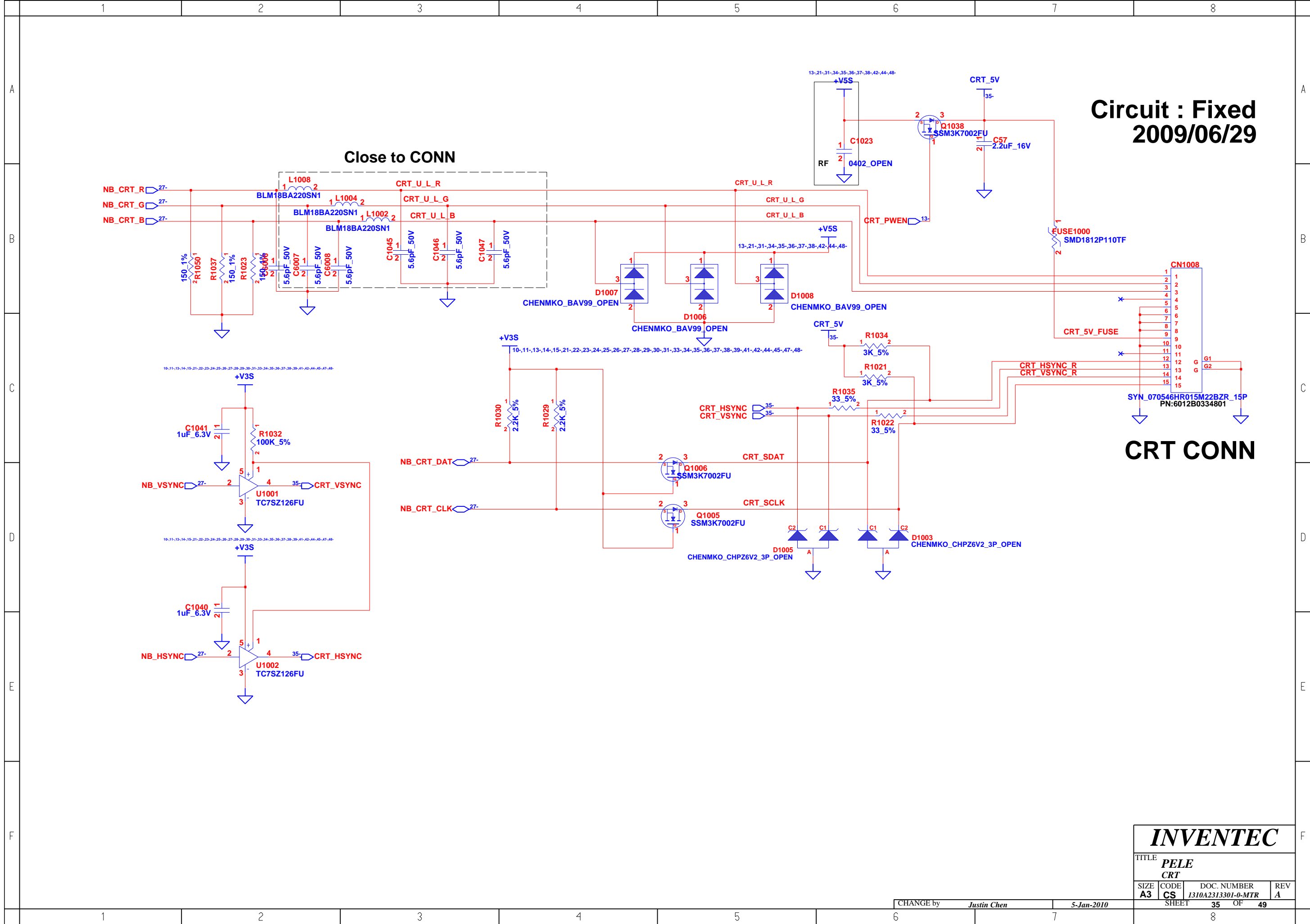
INVENTEC

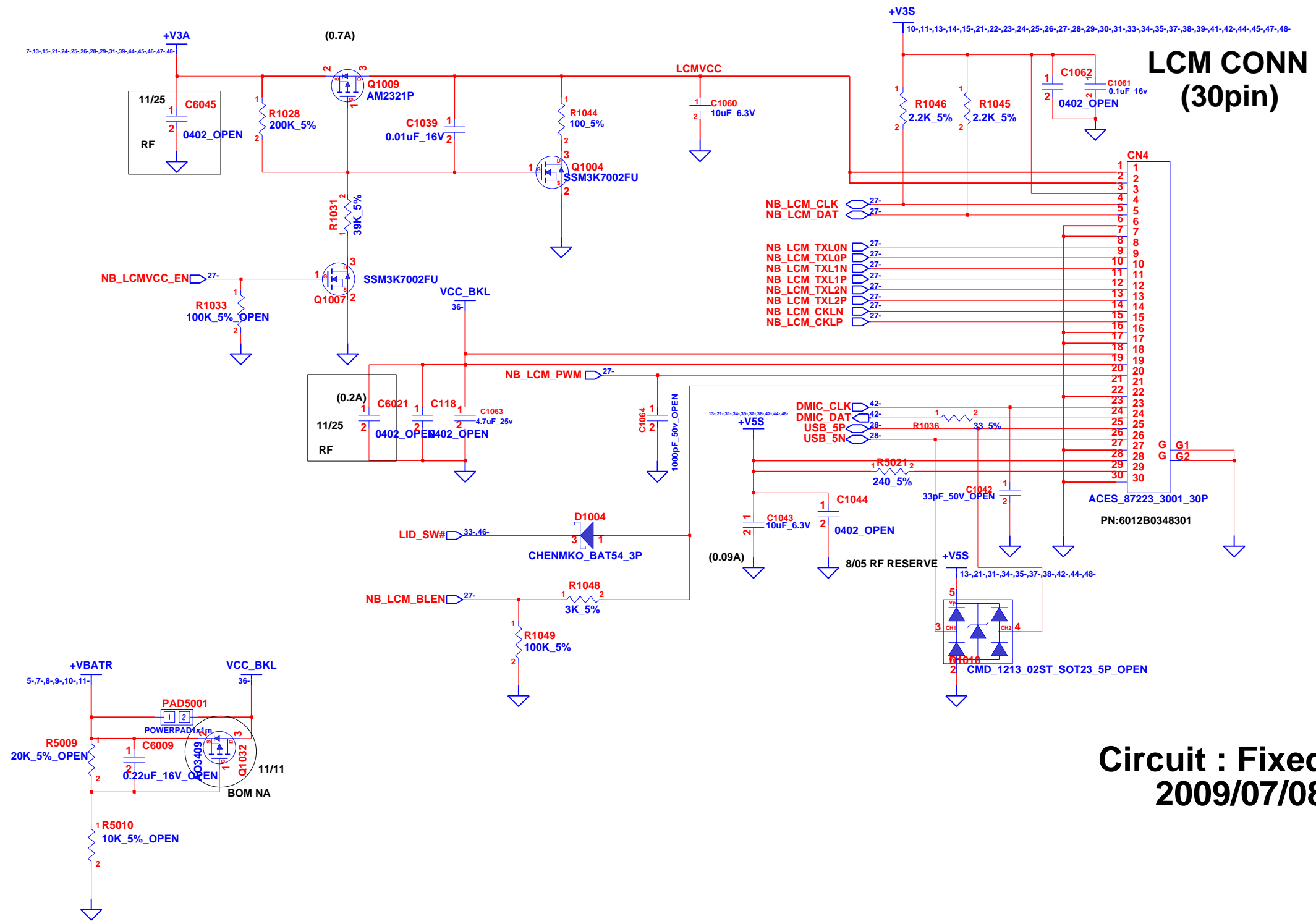
TITLE PELE
Keyboard & TouchPad

SIZE A3 CODE CS DOC. NUMBER 1310A2313301-0-MTR REV A

CHANGE by Justin Chen 5-Jan-2010

SHEET 34 OF 49

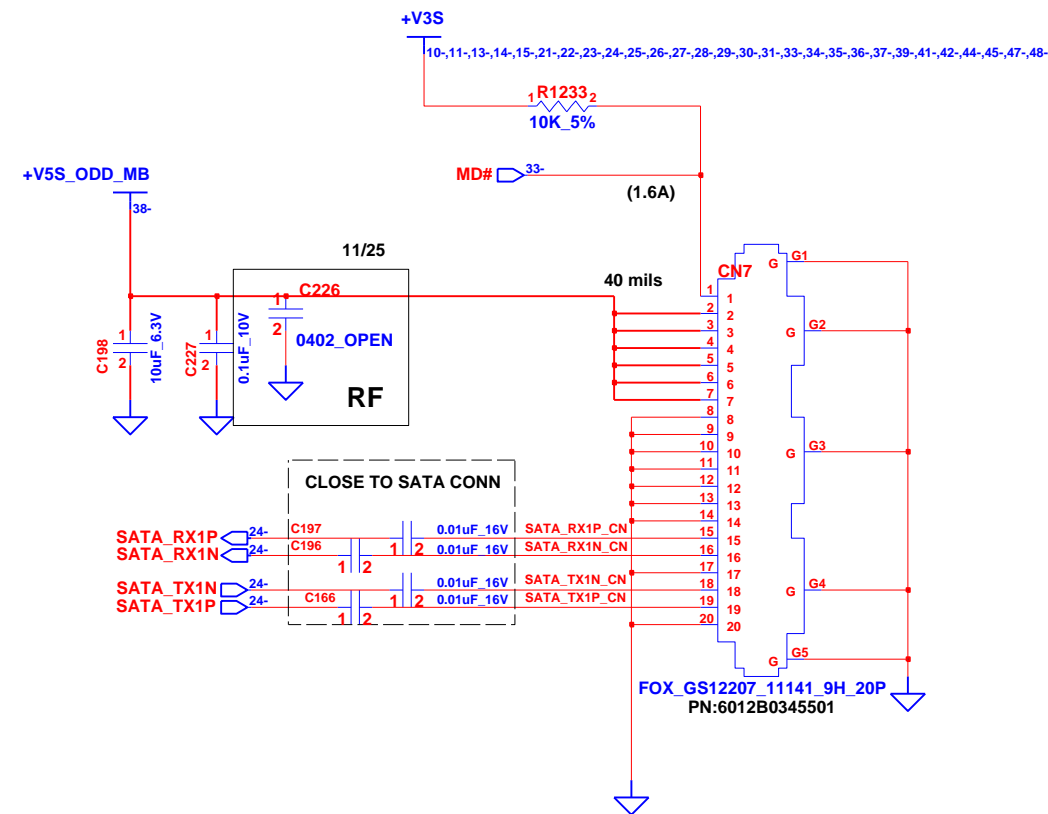




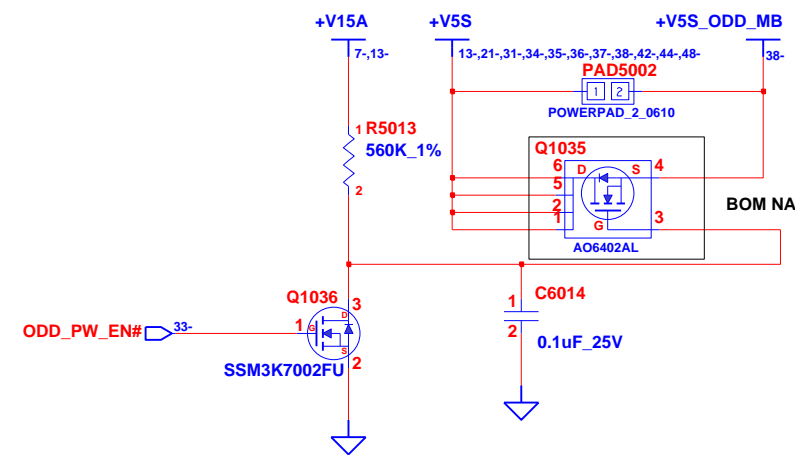
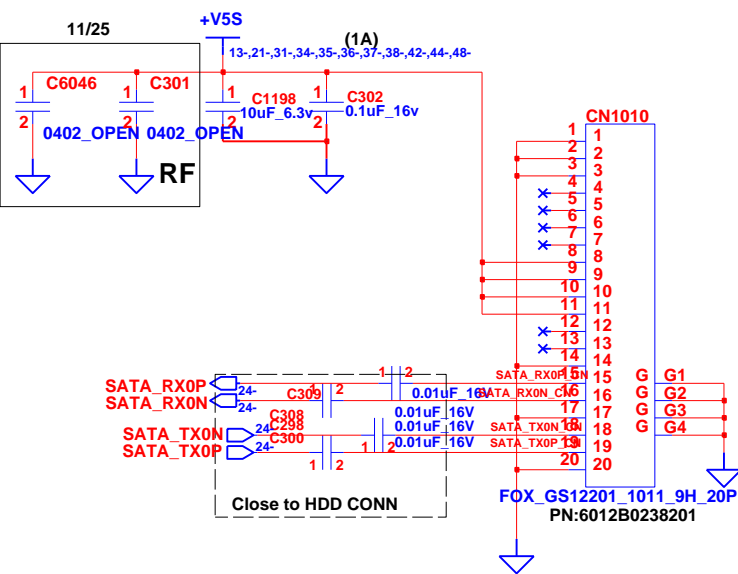
Circuit : Fixed
2009/07/08

INVENTEC			
TITLE PELE LCM			
SIZE A3	CODE CS	DOC. NUMBER I310A2313301-0-MTR	REV A
CHANGE by Justin Chen		5-Jan-2010	
SHEET 36		OF 49	

SATA ODD FFC CONN on MB



SATA HDD FFC CONN on MB



INVENTEC

TITLE **PELE**
SATA HDD & ODD

SIZE A3	CODE CS	DOC. NUMBER I310A2313301-0-MTR	REV A
SHEET 38		OF 49	

CHANGE by **Justin Chen** **5-Jan-2010**



A



A



F

F

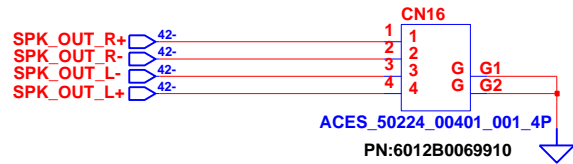
--	--

SHEET 41 OF 49

Circuit : Fixed
2009/06/29

PORT	Discription	Sense
A	NO USE	
B	Headphone	HPS
C	Microphone	MICS
D	SPKR	
E	NO USE	
F	NO USE	

INT-SPEAKER CONN



INVENTEC

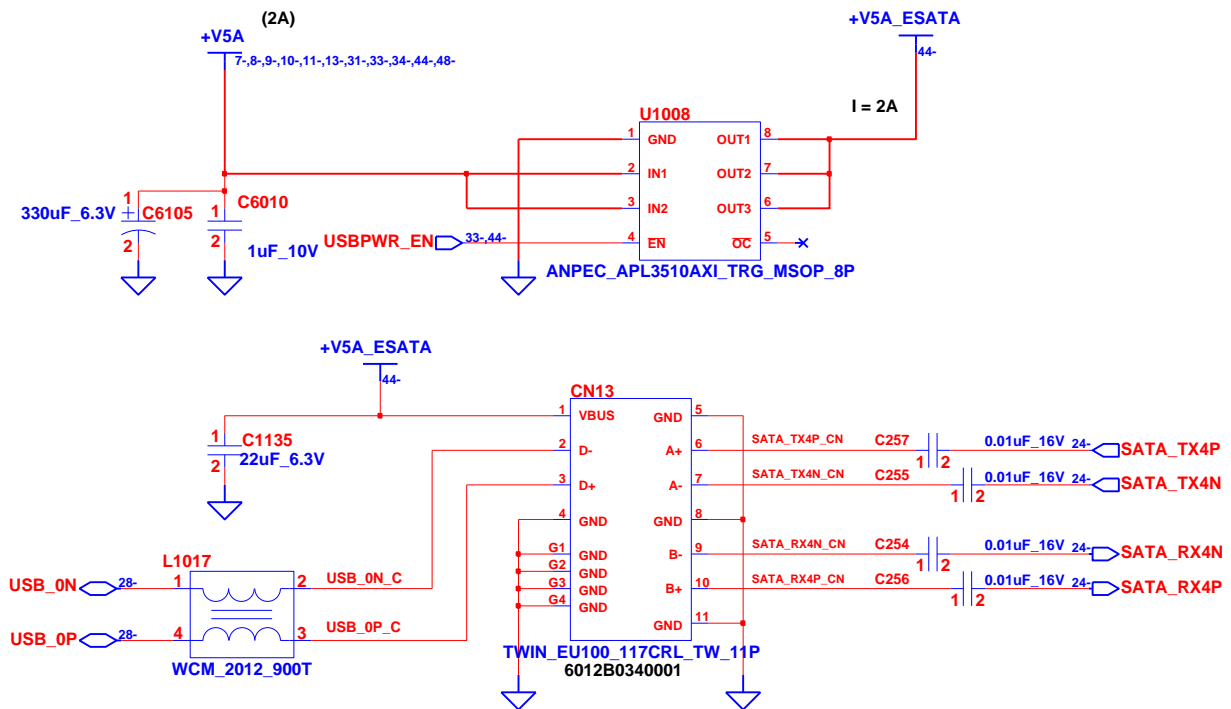
TITLE
PELE
Audio Codec

SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310A2313301-0-MTR	A

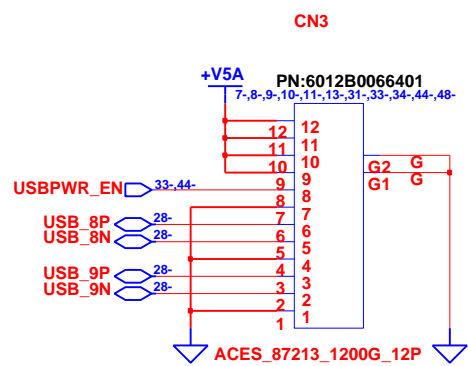
CHANGE by Justin Chen 5-Jan-2010

SHEET 42 OF 49

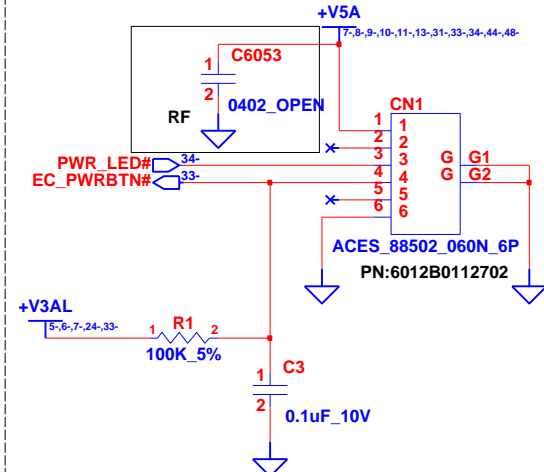
ESATA CONN (without Re-Driver chip)



USB BOARD Cable on MB

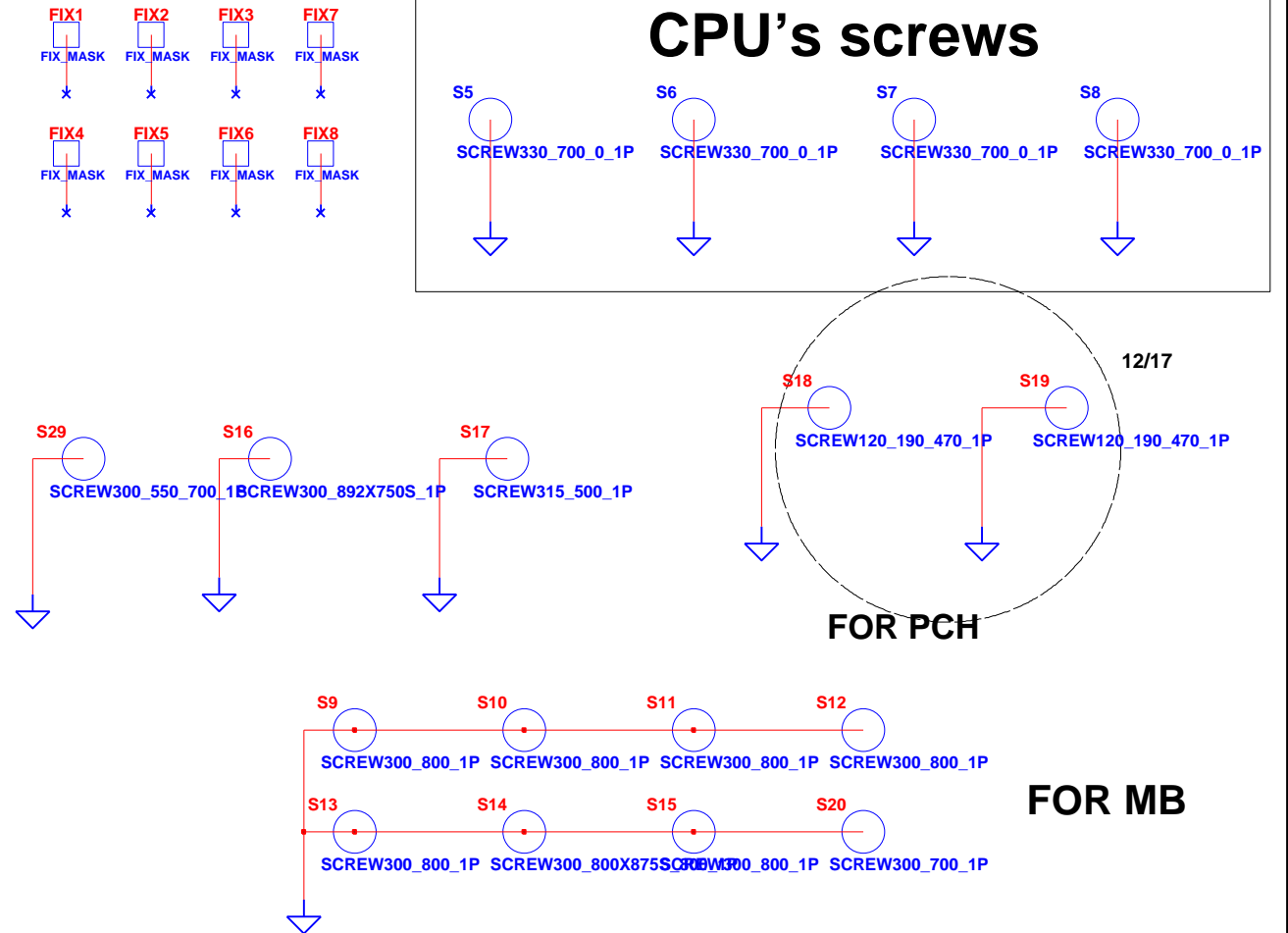


PBN Cable CN on MB

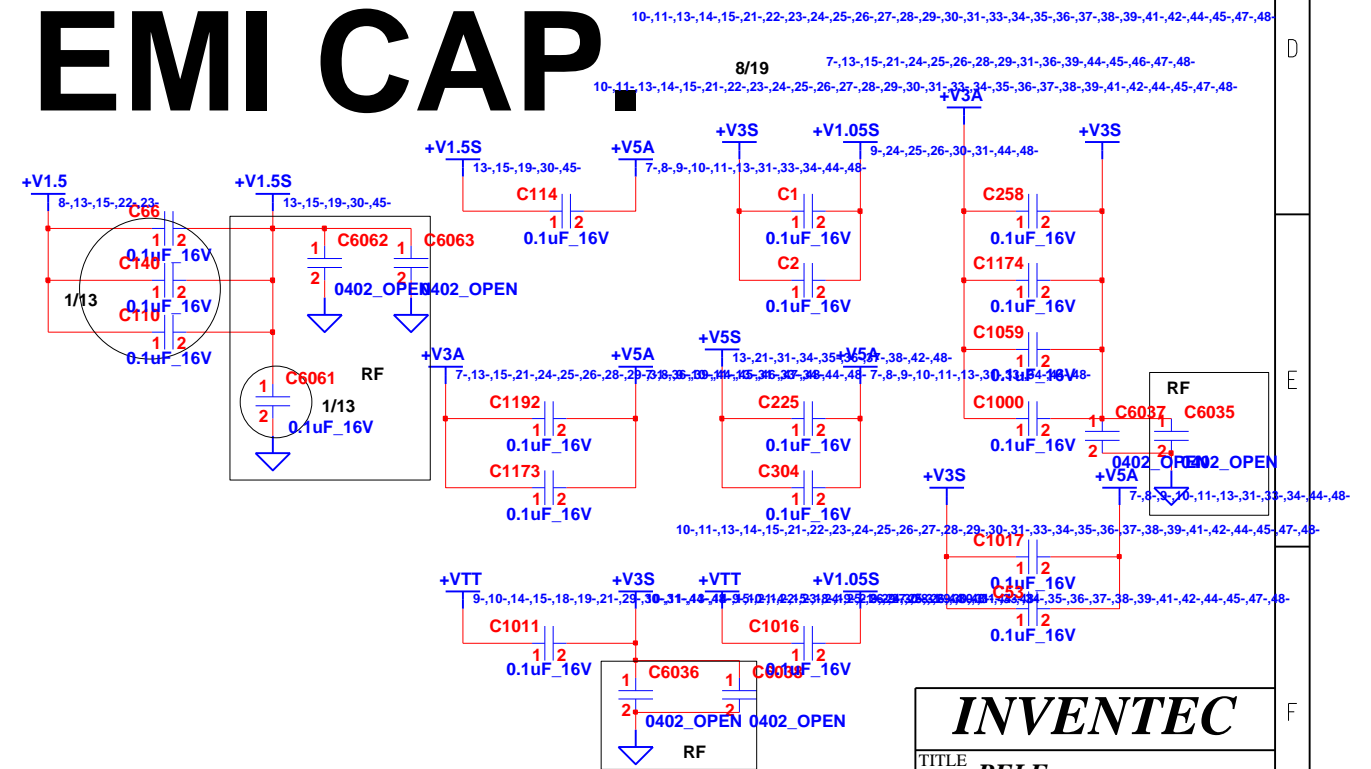


Circuit : Fixed
2009/06/29

CPU's screws



EMI CAP.



INVENTEC

TITLE	<i>PELE</i> <i>ESATA, SCREW & LID</i>
-------	--

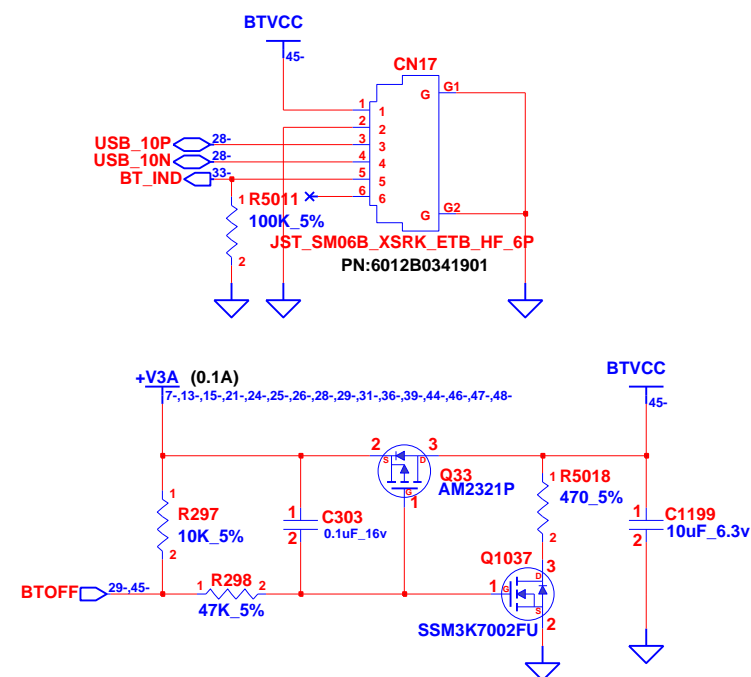
SIZE A3	CODE CS	DOC. NUMBER <i>1310A2313301-0-MTR</i>
SHEET		44 OF 49

CHANGE by	<i>Justin Chen</i>
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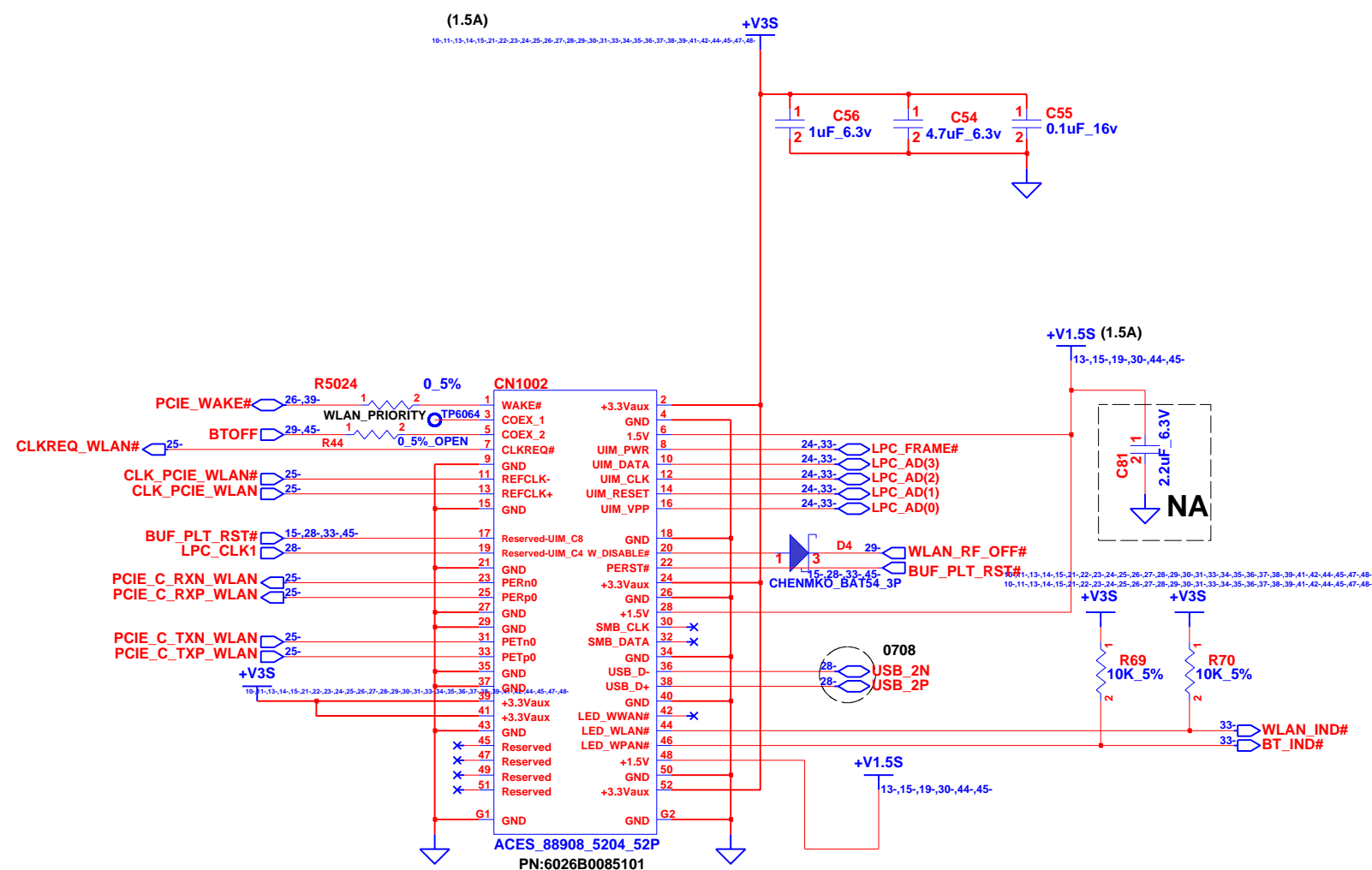
5-Jan-2010

SHEET 44 OF 49

BLUETOOTH CONN



WLAN CONN (MINICARD)



Circuit : Fixed
2009/07/08

	PCH	SB800V820
WLAN_RF_OFF#	GPIO57	GPIO12
WLAN_POWER_OFF	GPIO35	GPIO176

INVENTEC

TITLE **PELE**
WLAN, BT & WebCAM

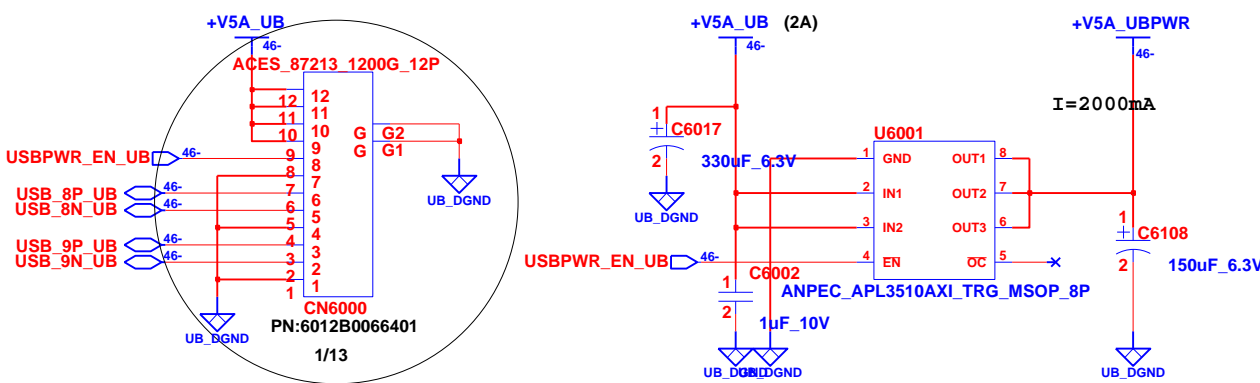
SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310A2313301-0-MTR	A

CHANGE by **Justin Chen** **5-Jan-2010**

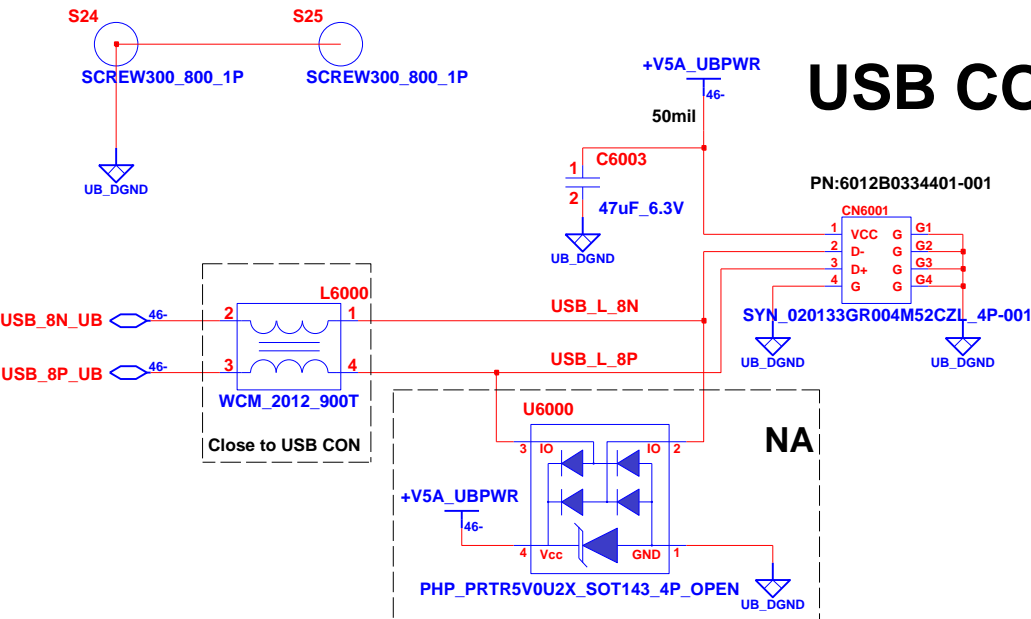
SHEET **45** OF **49**

USB BOARD
USB BOARD Cable ON UB

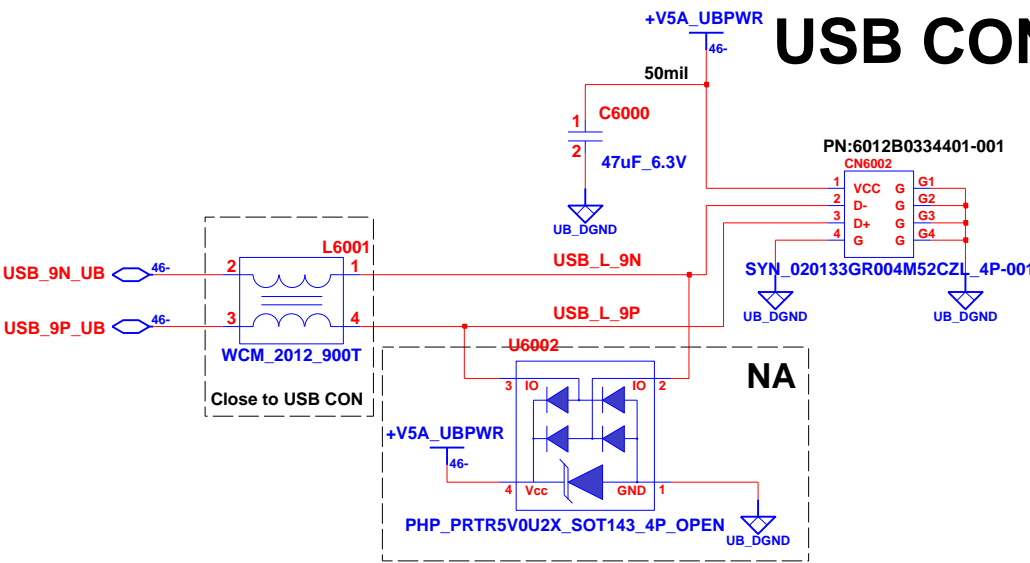
Circuit : Fixed
2009/06/29



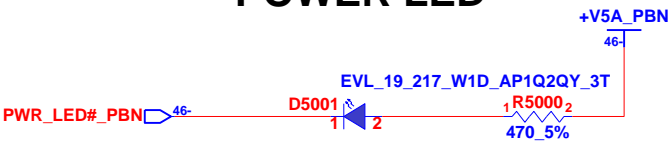
USB CONN01



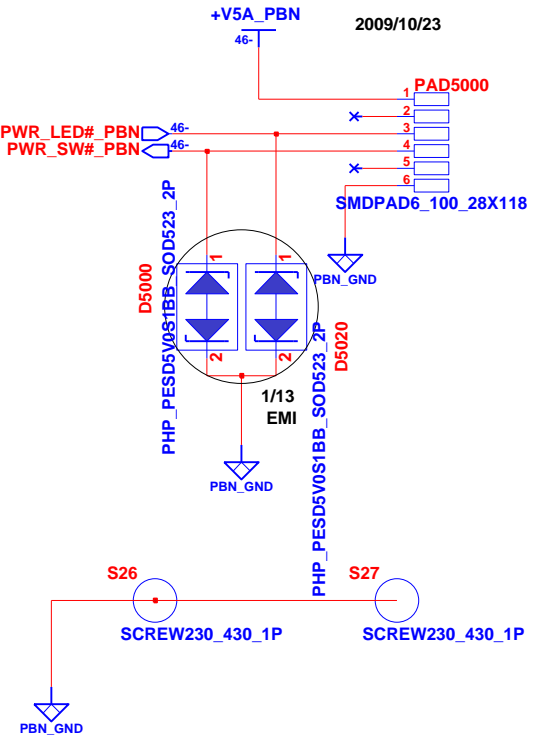
USB CONN02



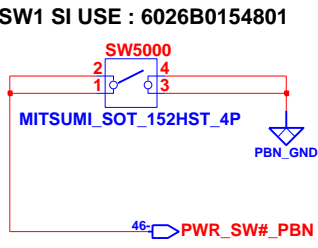
POWER LED



PBN Cable CN on PBN

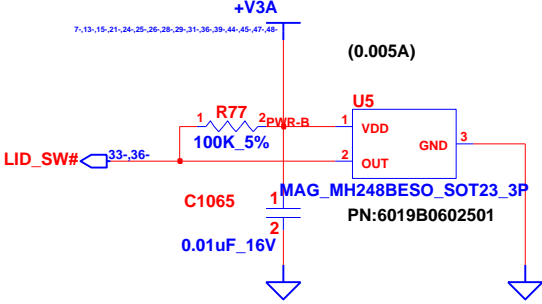


POWER BUTTON



Circuit : Fixed
2009/06/29

POWER BOTTON BOARD

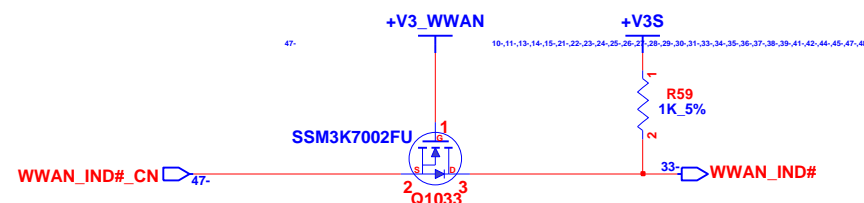
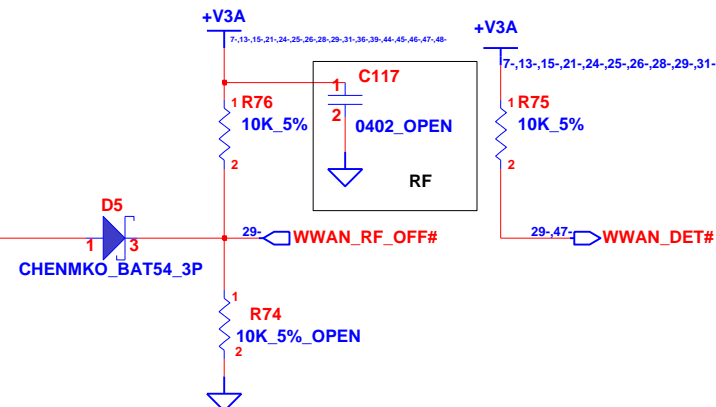
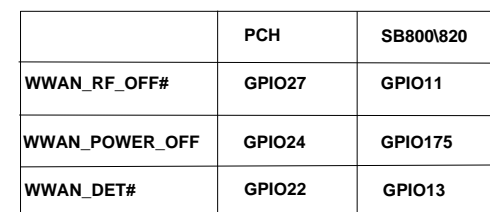


LID SWITCH ON MB

INVENTEC

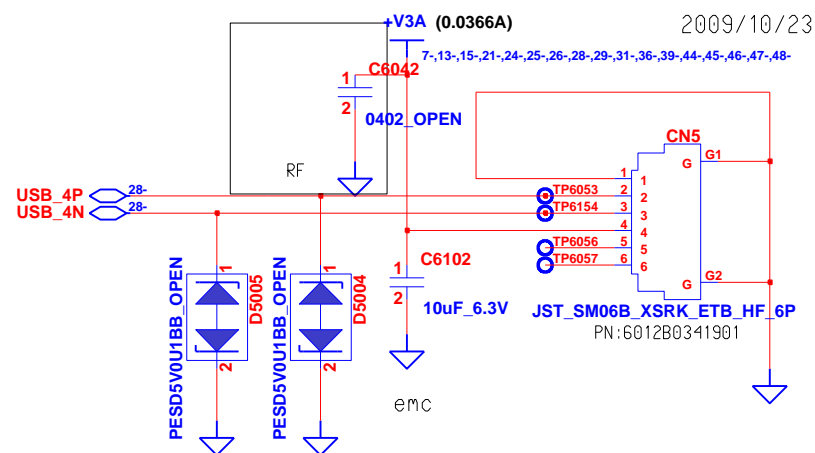
TITLE			
PELE			
USB, PowerButton (DB)			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310A2313301-0-MTR	A
SHEET		46	OF 49

Circuit : Fixed
2009/07/08

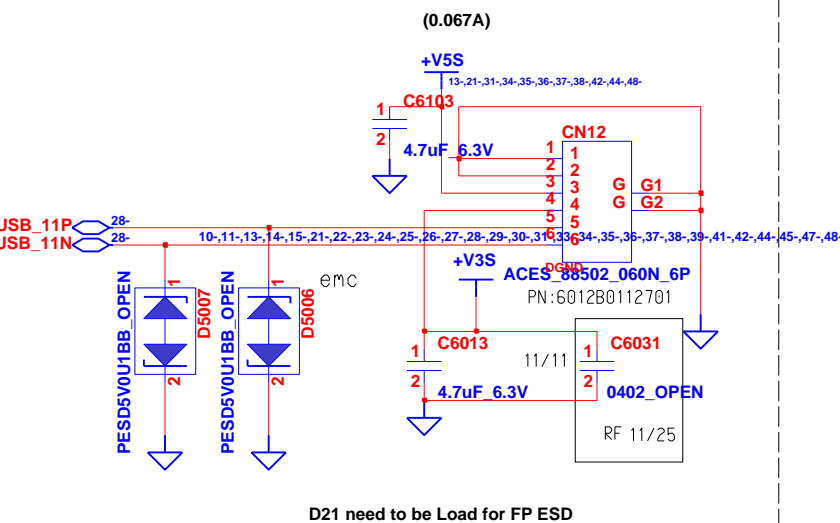


OPTION PART

TOUCH SCREEN

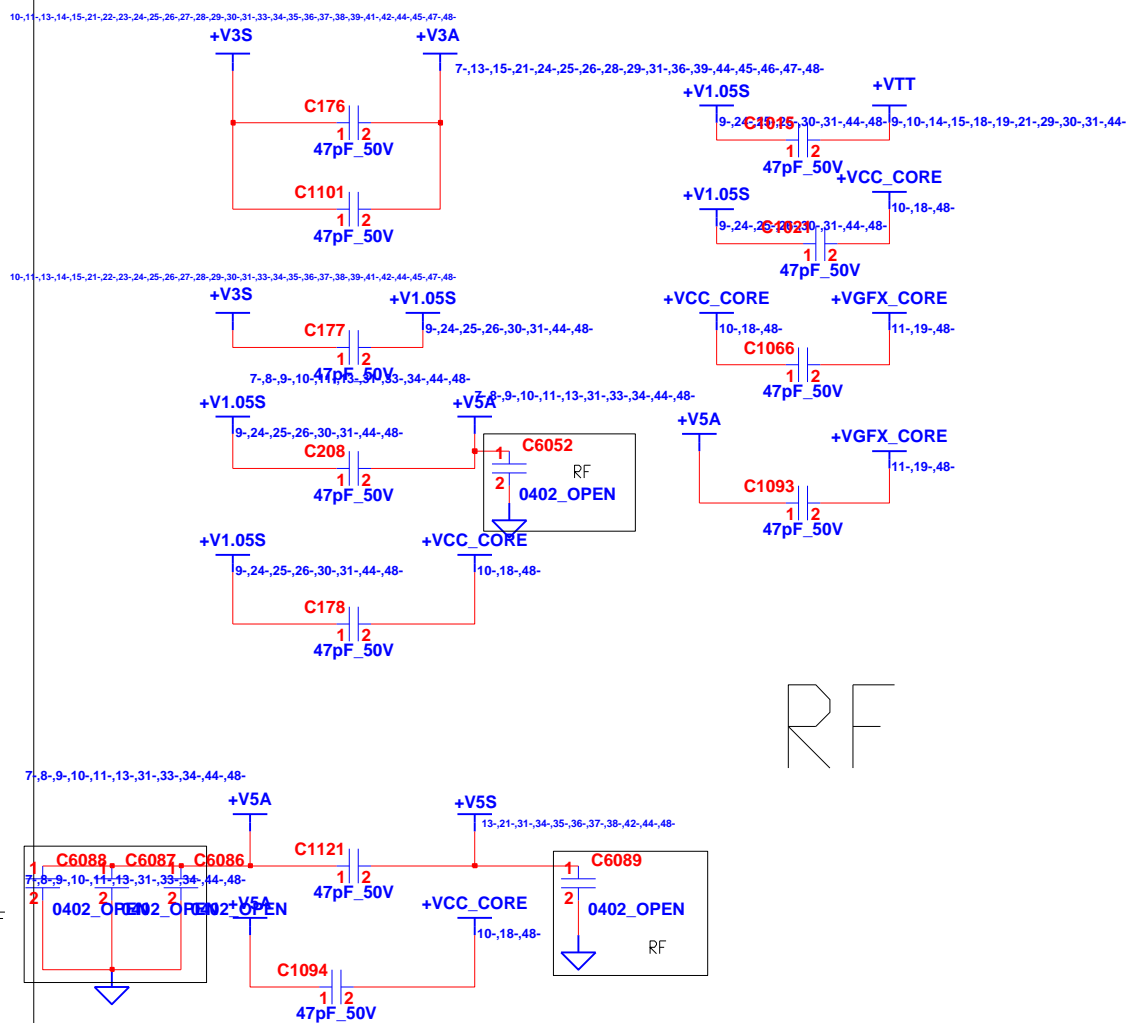
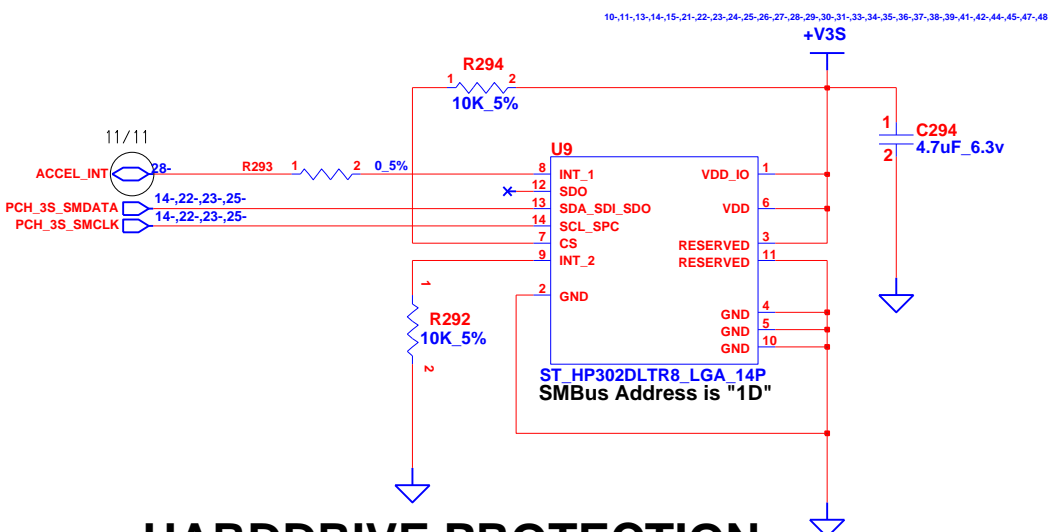


FingerPrint



HARDDRIVE PROTECTION

P/N = 6019B0505201



INVENTEC

TITLE **PELE**
Touchscreen, FP & HD LOCK(Optional)

SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310A2313301-0-MTR	A
SHEET		48	OF 49

CHANGE by Justin Chen 5-Jan-2010

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

FIX9

FIX_MASK

FIX10

FIX_MASK

FIX15

FIX_MASK

FIX16

FIX_MASK

FIX13

FIX_MASK

FIX19

FIX_MASK

FIX20

FIX_MASK

FIX21

FIX_MASK

FIX22

FIX_MASK

CHANGE by				Justin Chen	5-Jan-2010
SIZE	CODE	DOC. NUMBER	REV		
A3	CS	1310A2313301-0-MTR	A		
SHEET		49	OF 49		

INVENTEC

TITLE PELE

SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310A2313301-0-MTR	A
SHEET		49	OF 49

CHANGE by Justin Chen 5-Jan-2010