

Index

PAGE

- 01. PROJECT NAME
- 02. INDEX
- 03. Block Diagram
- 04. POWER Procedure
- 05. DC & CHARGE Circuit
- 06. Battery CONN
- 07. +V3A & +V5A
- 08. +V1.5 & +V0.75
- 09. +V1.8S & +V1.05S
- 10. +VCC_CORE
- 11. +VGFX_CORE
- 12. Reserve & Page
- 13. +V5S & +V3S
- 14. CLK GEN
- 15. CPU-1
- 16. CPU-2
- 17. CPU-3
- 18. CPU-4
- 19. CPU-5
- 20. CPU-6
- 21. Thermal, Fan & XDP
- 22. DDR3-1
- 23. DDR3-2
- 24. PCH-1
- 25. PCH-2
- 26. PCH-3
- 27. PCH-4
- 28. PCH-5
- 29. PCH-6
- 30. PCH-7

PAGE

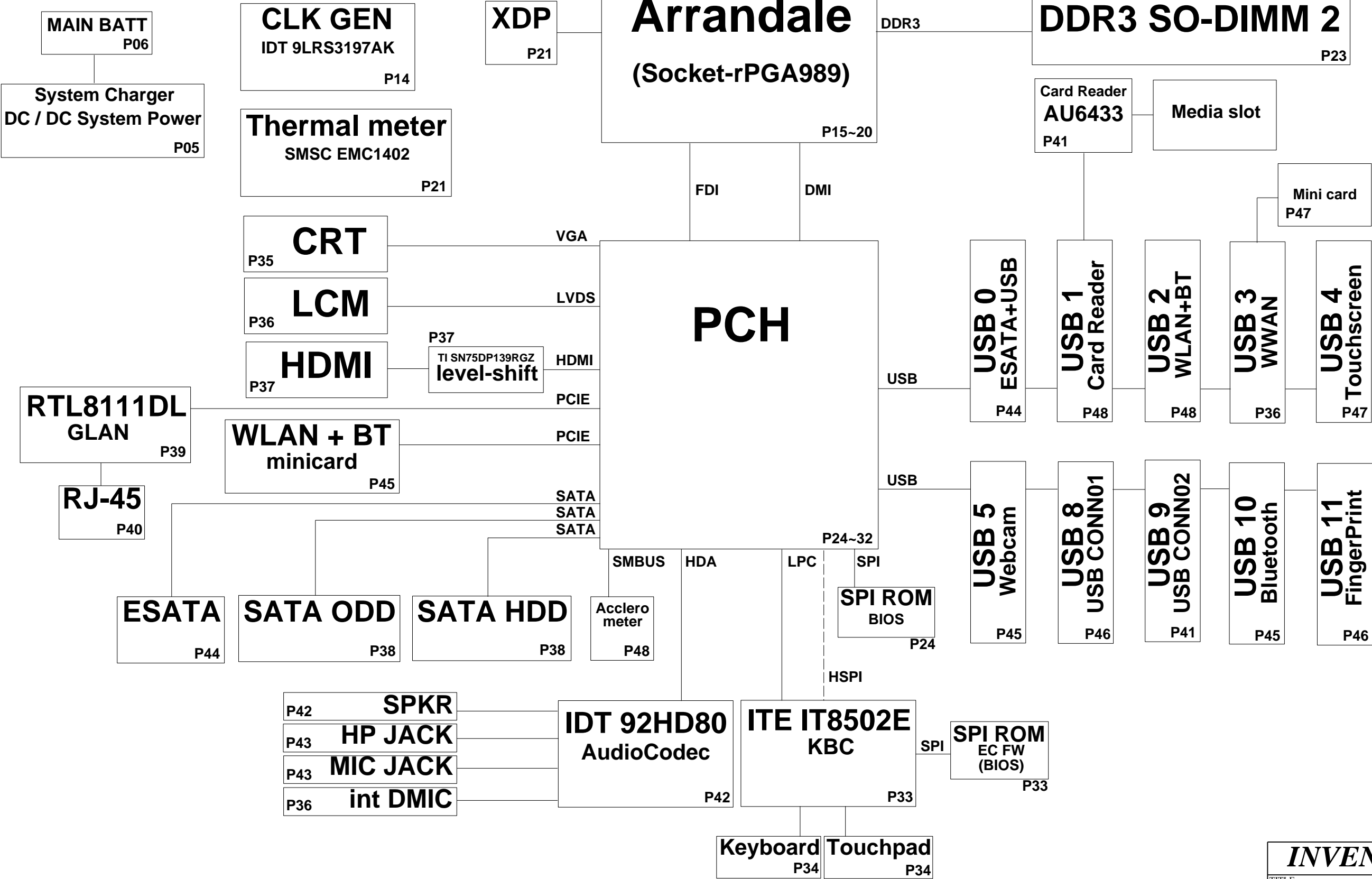
- 31. PCH-8
- 32. PCH-9
- 33. KBC
- 34. Keyboard & TouchPad
- 35. CRT CONN
- 36. LCM CONN
- 37. HDMI Level-Shift
- 38. SATA HDD & ODD
- 39. LAN
- 40. RJ-45
- 41. Card Reader
- 42. Audio Codec
- 43. HP JACK & MIC JACK
- 44. ESATA, SCREW
- 45. WLAN & BlueTooth
- 46. USB, PowerButton(DB)
- 47. WWAN(Optional)
- 48. TouchScreen, FP & HD LOCK(Optional)

INVENTEC

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

CHANGE by *Justin Chen* 5-Jan-2010

Inventec Confidential

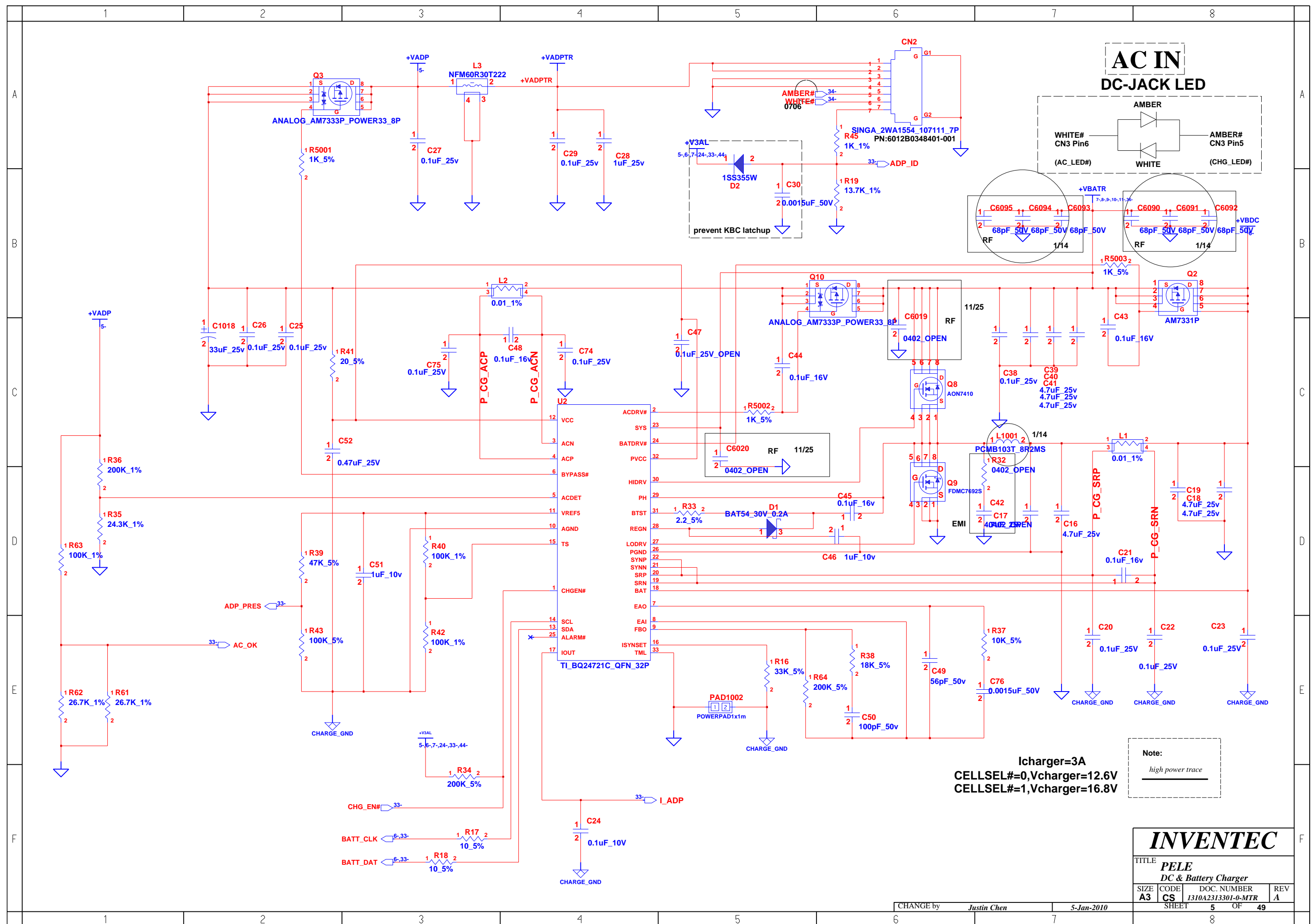


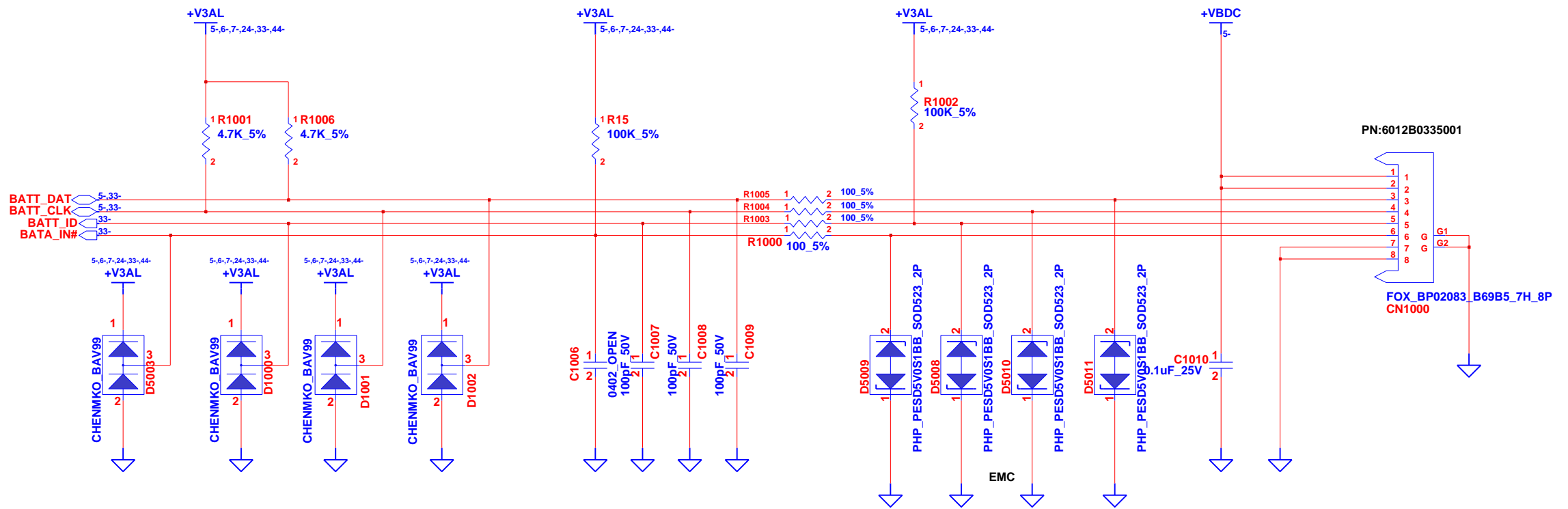
INVENTEC

TITLE **PELE**
Block Diagram

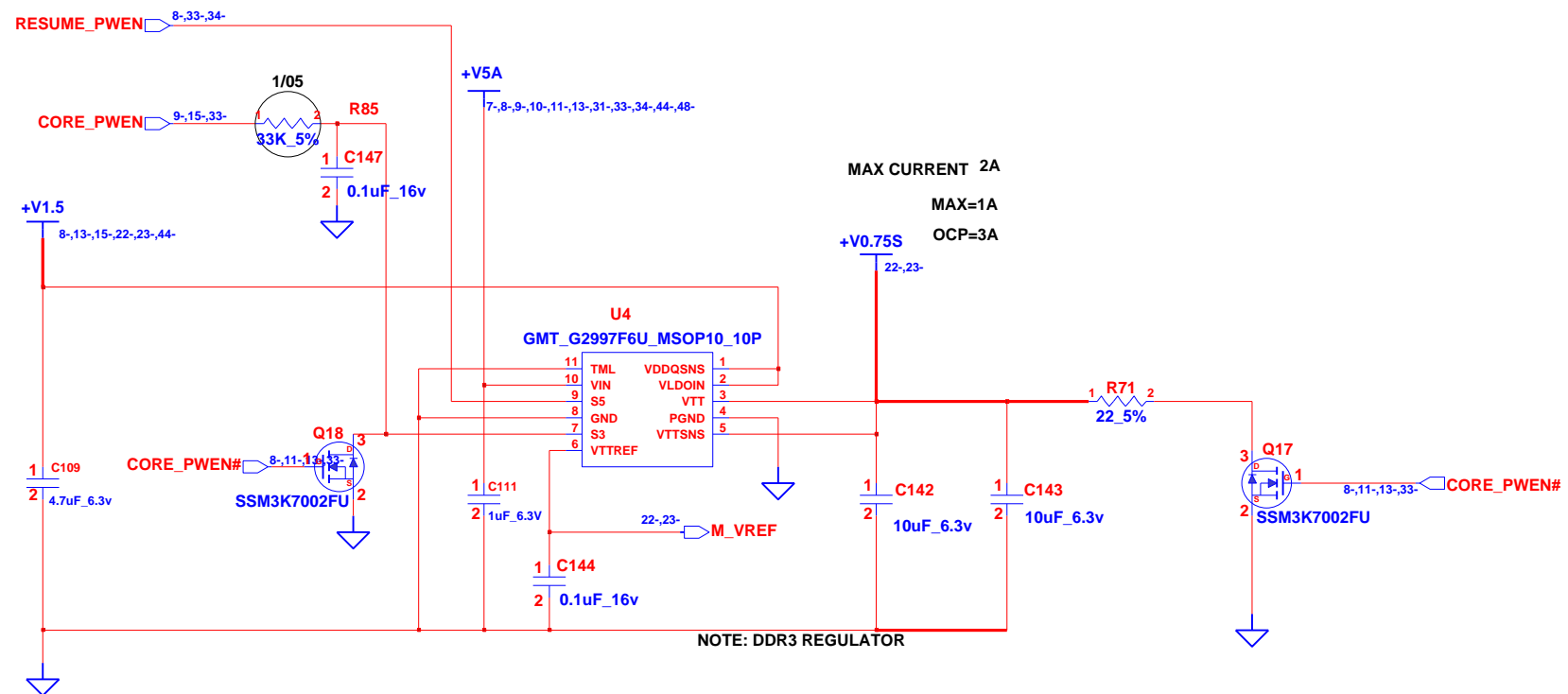
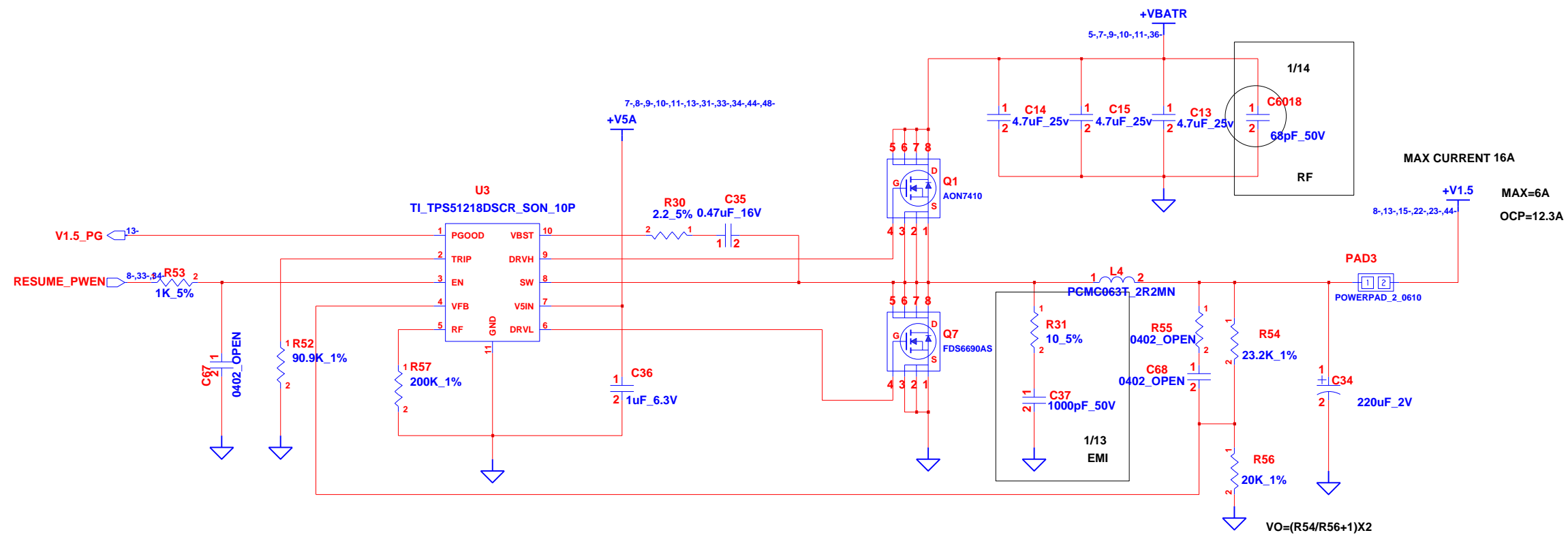
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A3	CS	I310A2313301-0-MTR	A
SHEET		3	OF 49

CHANGE by Justin Chen 5-Jan-2010





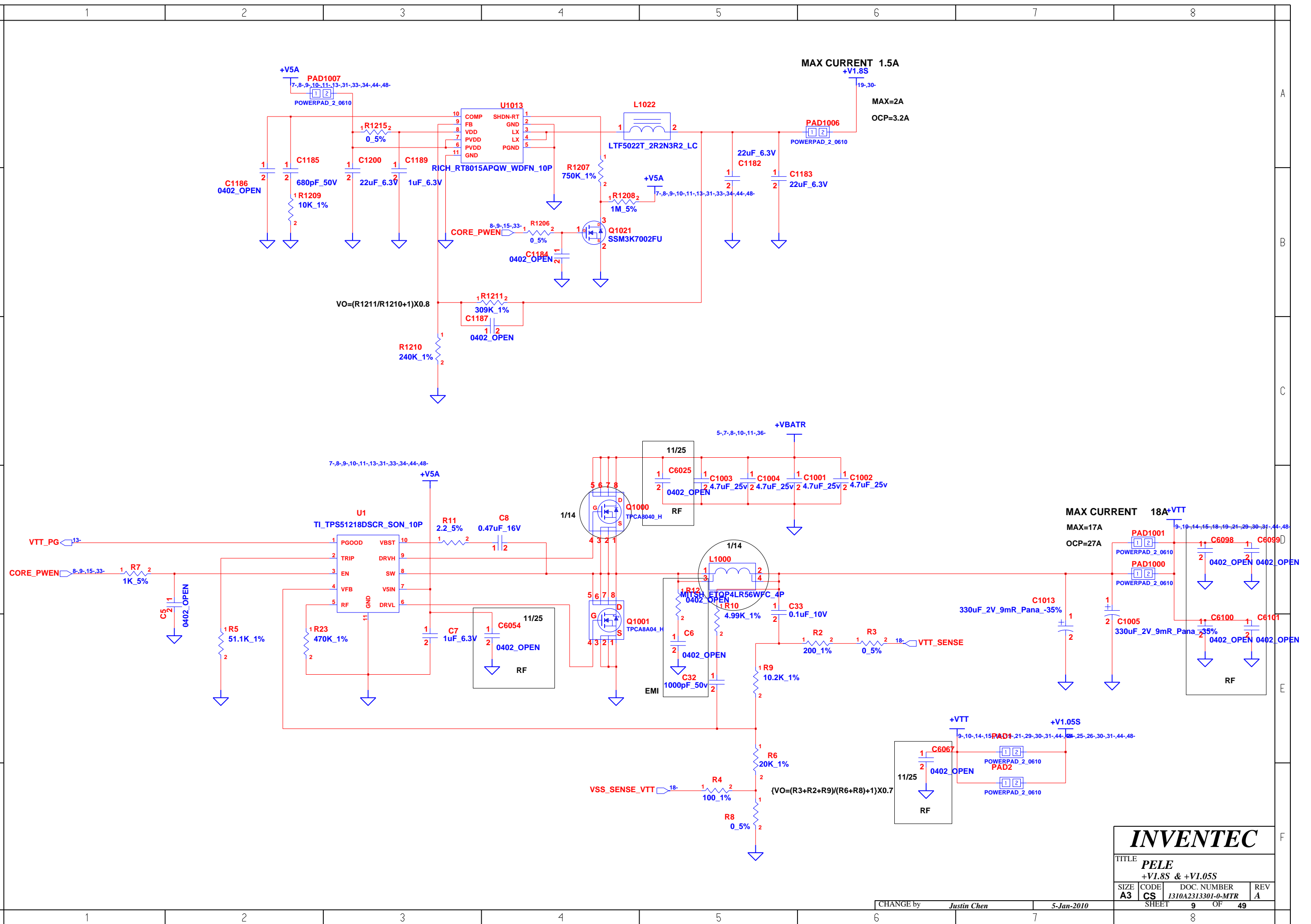
INVENTEC			
TITLE PELE Battery CONN			
SIZE A3	CODE CS	DOC. NUMBER I310A2313301-0-MTR	REV A
CHANGE by Justin Chen		5-Jan-2010	
SHEET 6		OF 49	

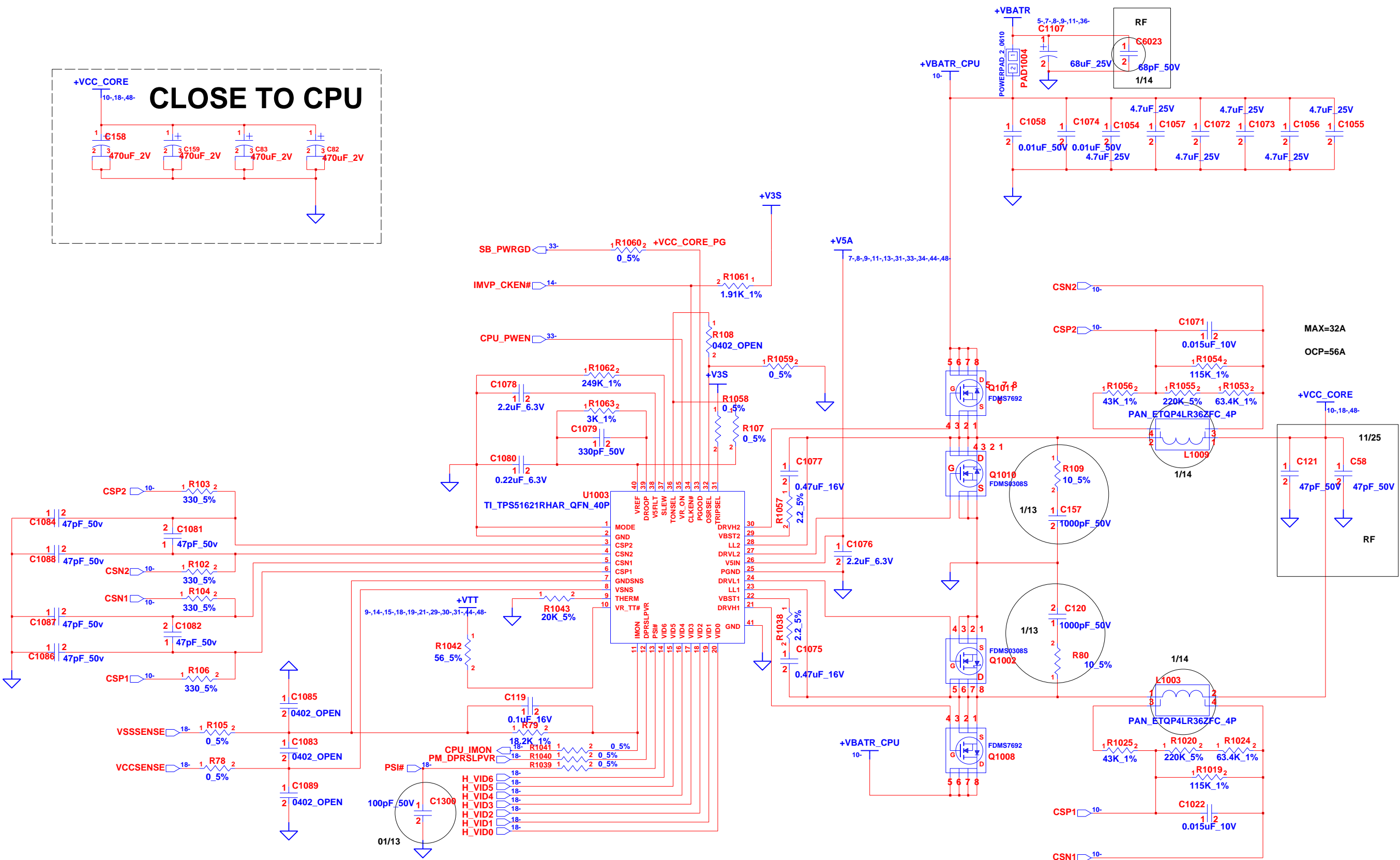
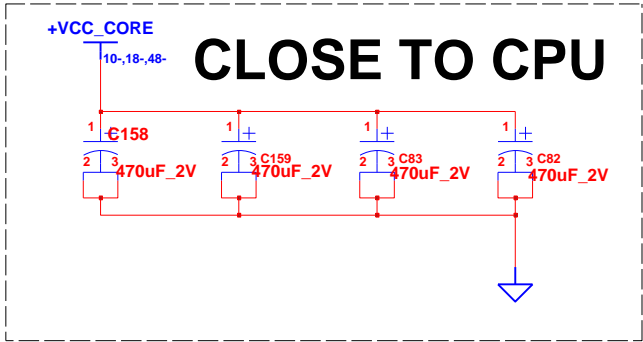


INVENTEC

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





INVENTEC			
TITLE PELE			
+VCC_CORE			
SIZE A3	CODE CS	DOC. NUMBER I310A2313301-0-MTR	REV A
SHEET 10		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

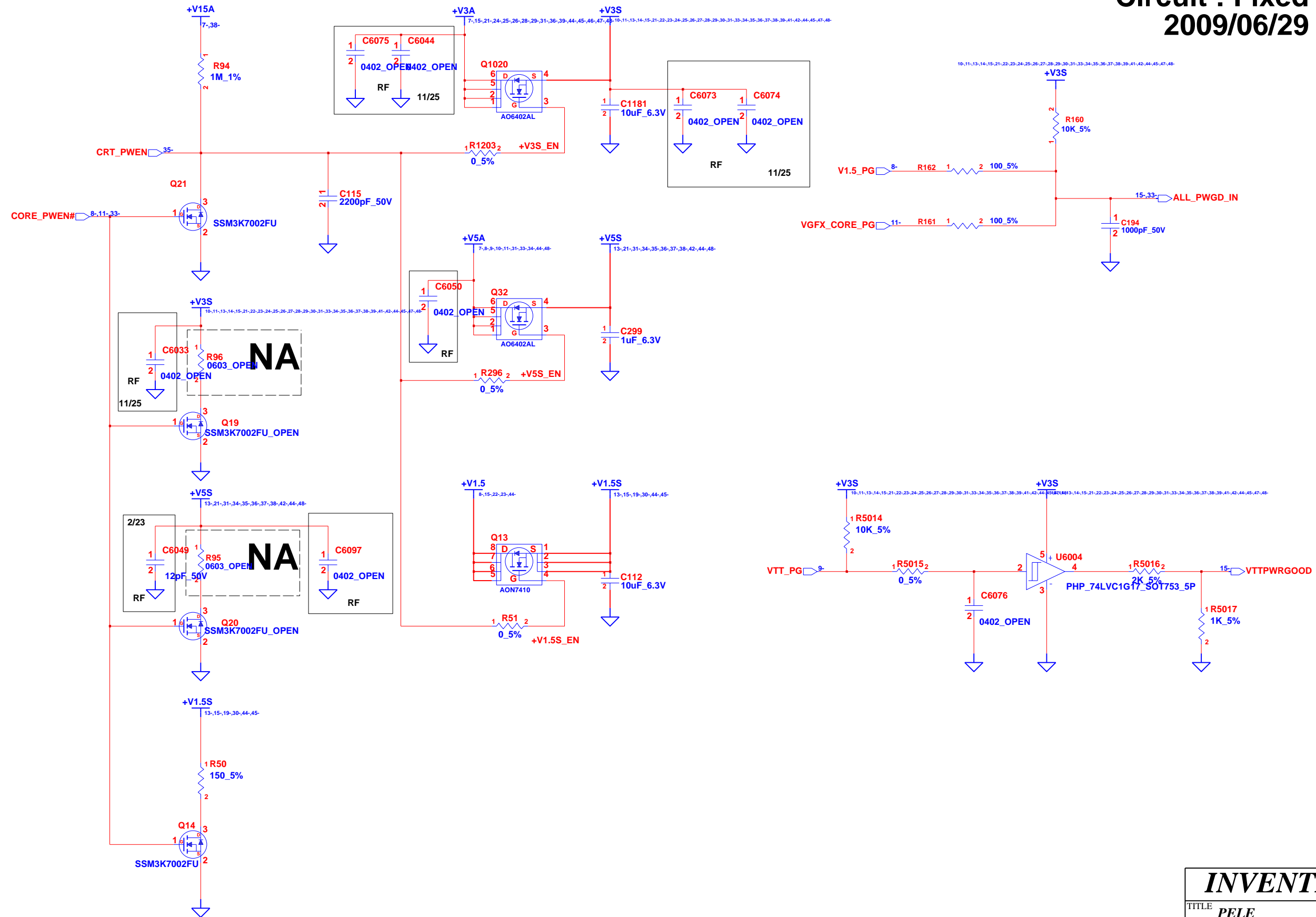
TITLE **PELE**
Reserve Page

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

CHANGE by	Justin Chen	5-Jan-2010
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SHEET	12	OF	49
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Circuit : Fixed 2009/06/29



INVENTEC

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

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

Circuit : Fixed
2009/06/29

Layout note: All decoupling 0.1uF disperse closed to pin

Please place close to CLKGEN within 500mils

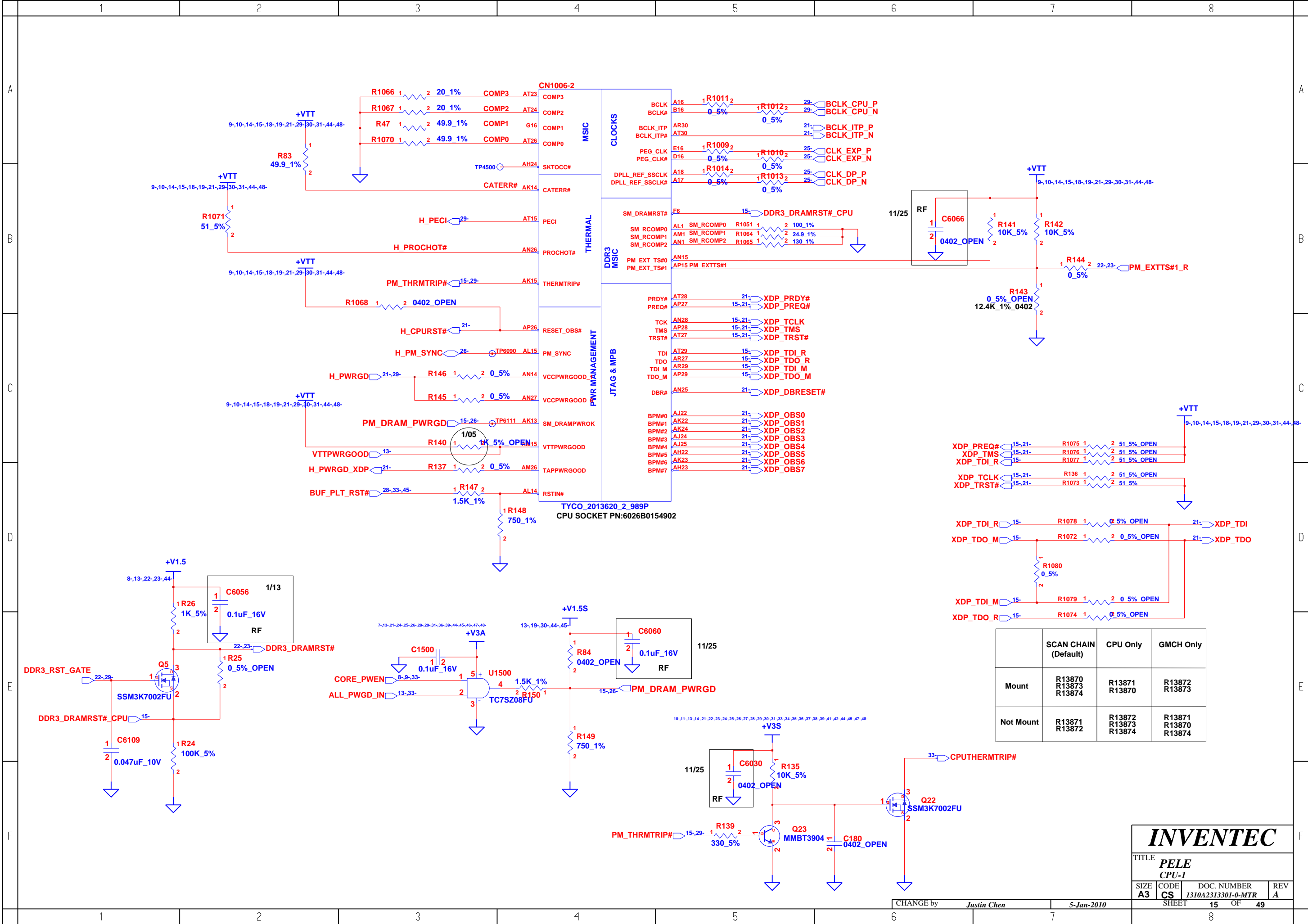
6018B0010201 : 14.31818MHz
PART HEIGHT : 0.061

BOM CHANGE TO 33pF

INVENTEC

TITLE PELE CLK GEN			
SIZE A3	CODE CS	DOC. NUMBER I310A2313301-0-MTR	REV A
SHEET 14		OF 49	

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



	SCAN CHAIN (Default)	CPU Only	GMCH Only
Mount	R13870 R13873 R13874	R13871 R13870	R13872 R13873
Not Mount	R13871 R13872	R13872 R13873 R13874	R13871 R13870 R13874

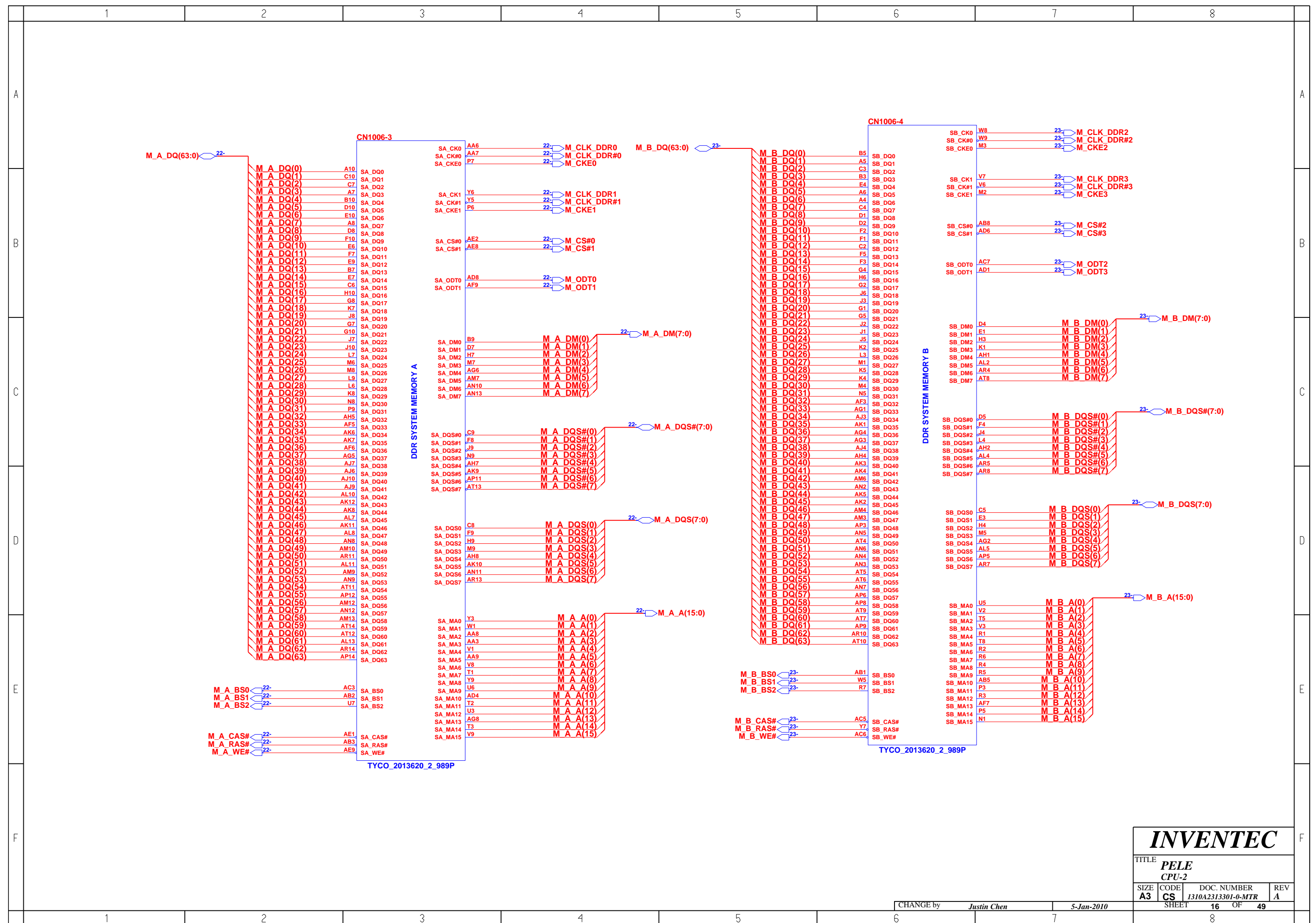
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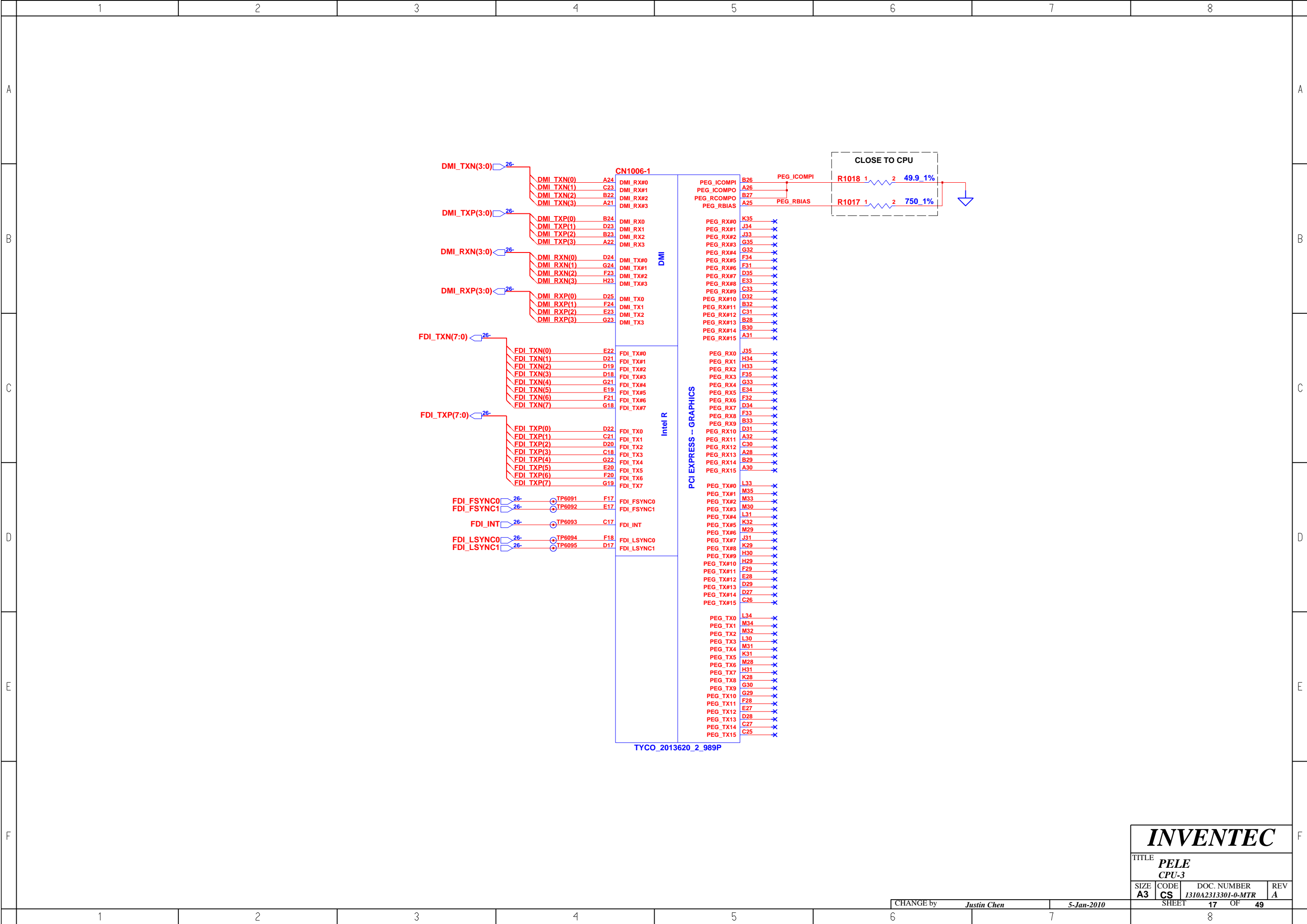
TITLE **PELE
CPU-1**

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

SHEET 15 OF 49





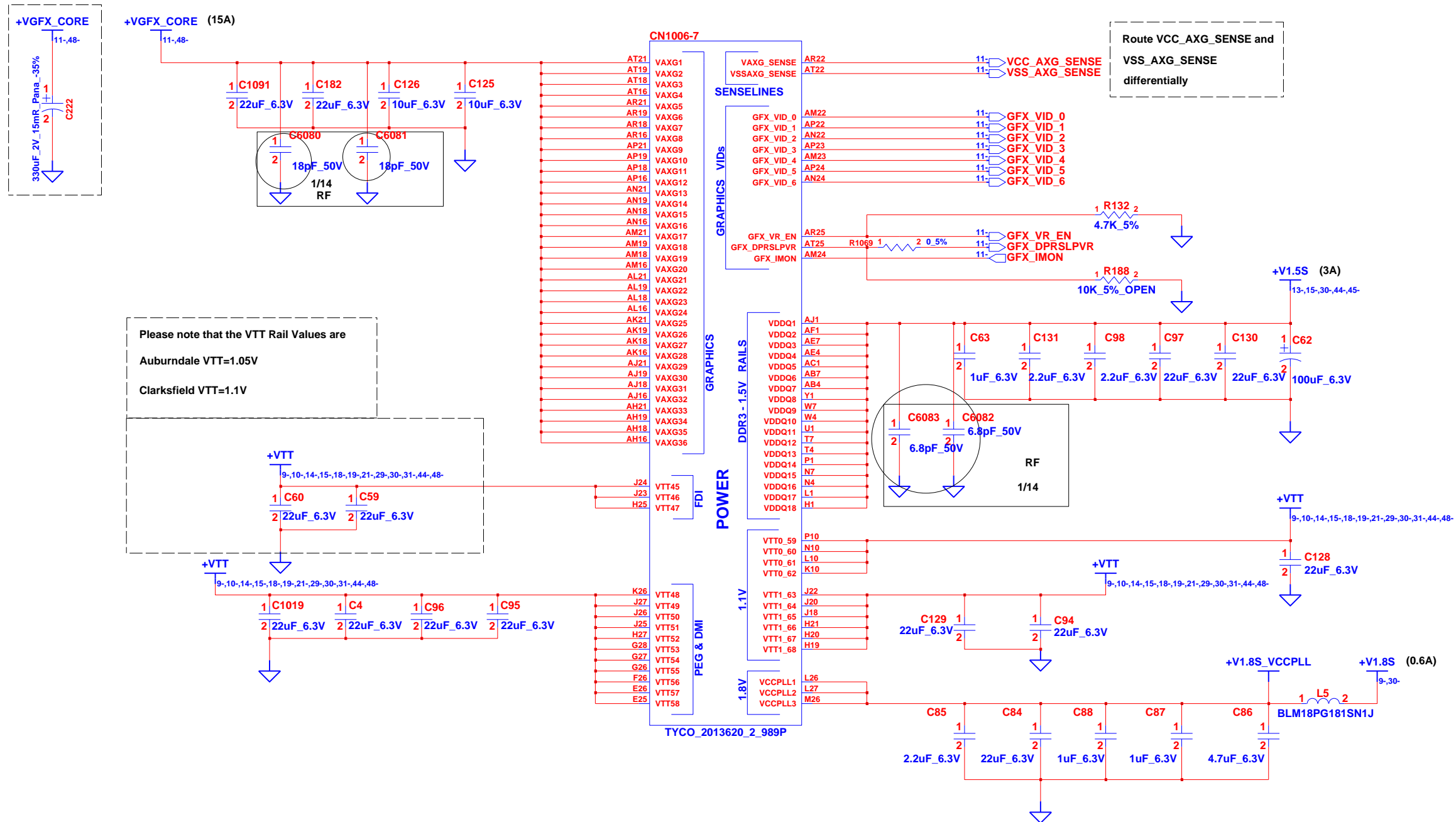
INVENTEC

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

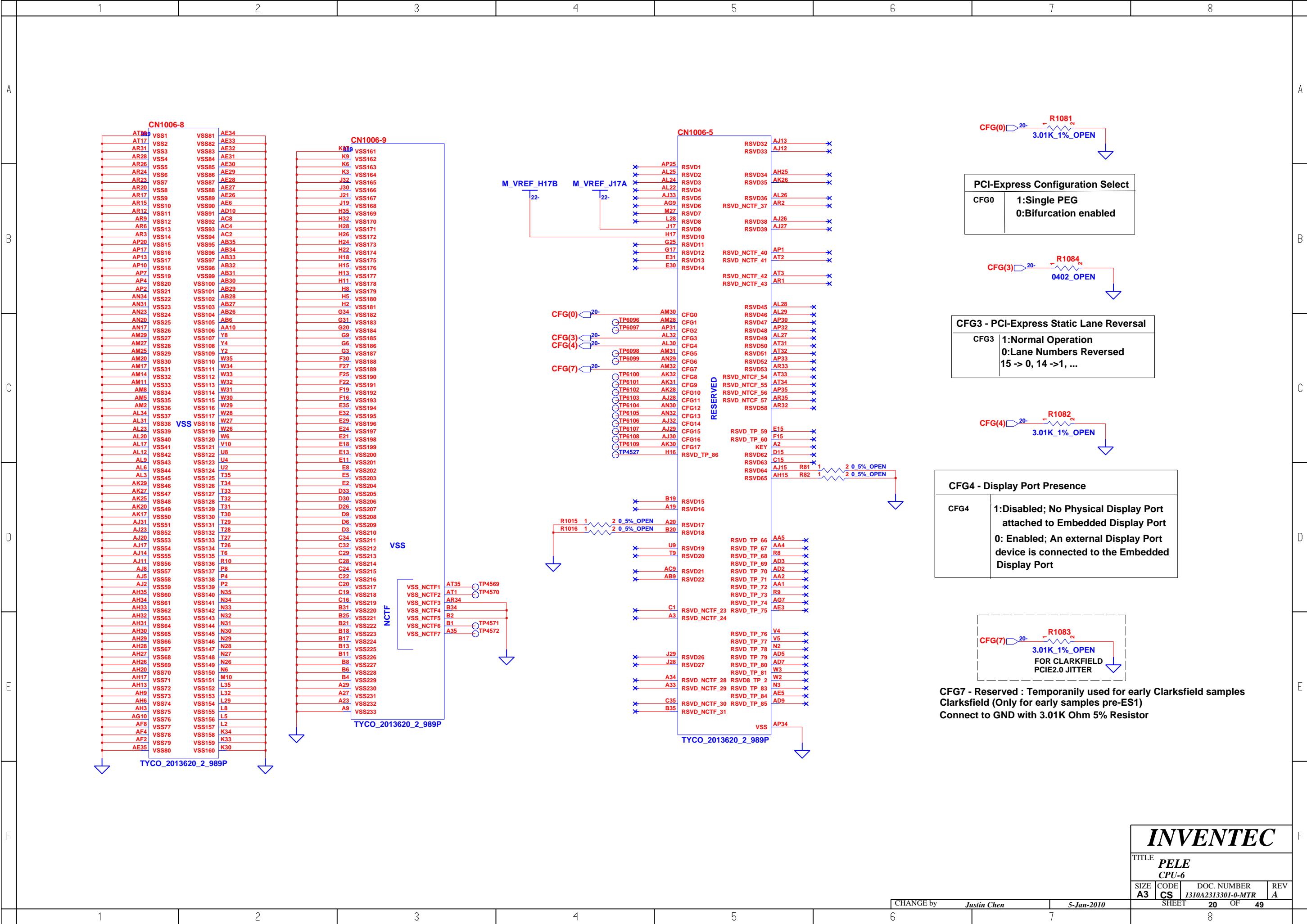
SHEET 17 OF 49



INVENTEC

TITLE PELE CPU-5			
SIZE A3	CODE CS	DOC. NUMBER I310A2313301-0-MTR	REV A
SHEET 19		OF 49	

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



INVENTEC

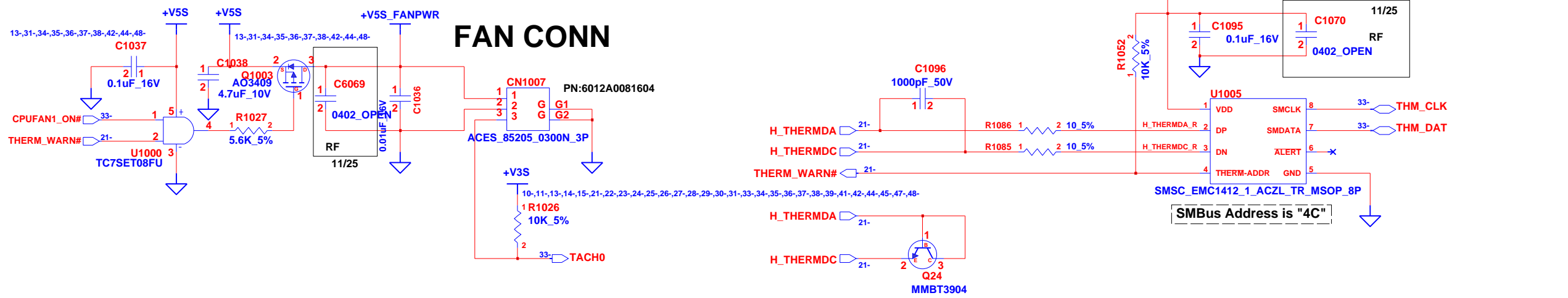
TITLE
PELE
CPU-6

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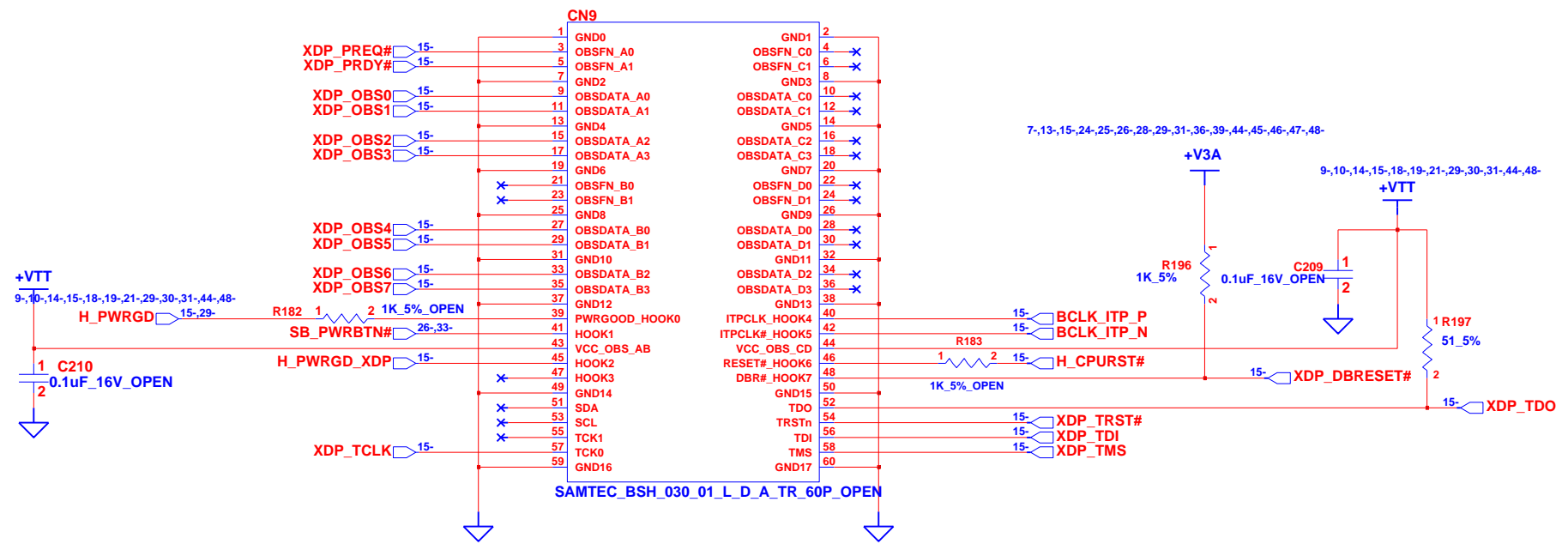
CHANGE by Justin Chen 5-Jan-2010

SHEET 20 OF 49

Circuit : Fixed
2009/06/29



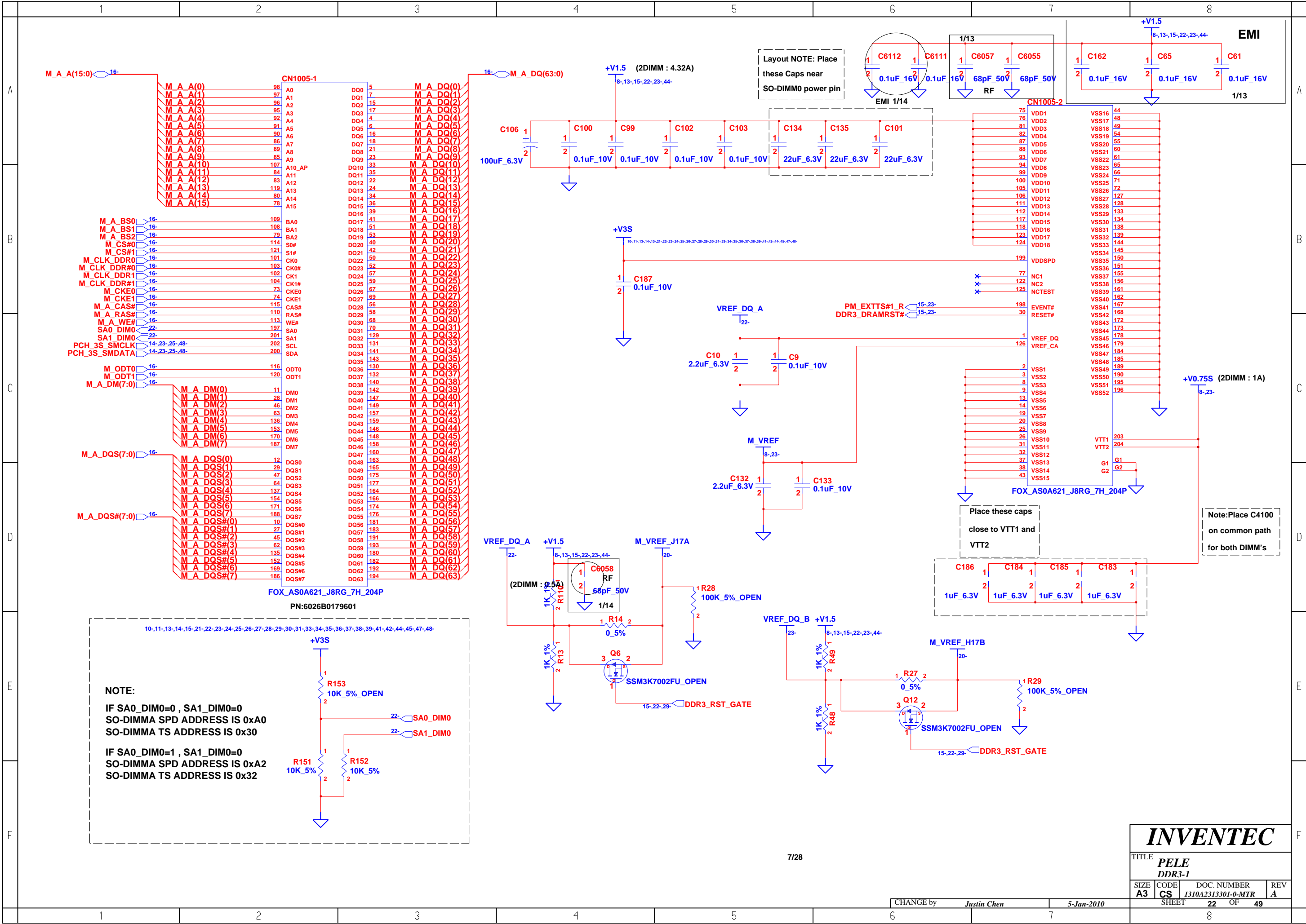
NA
XDP CONNECTOR



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

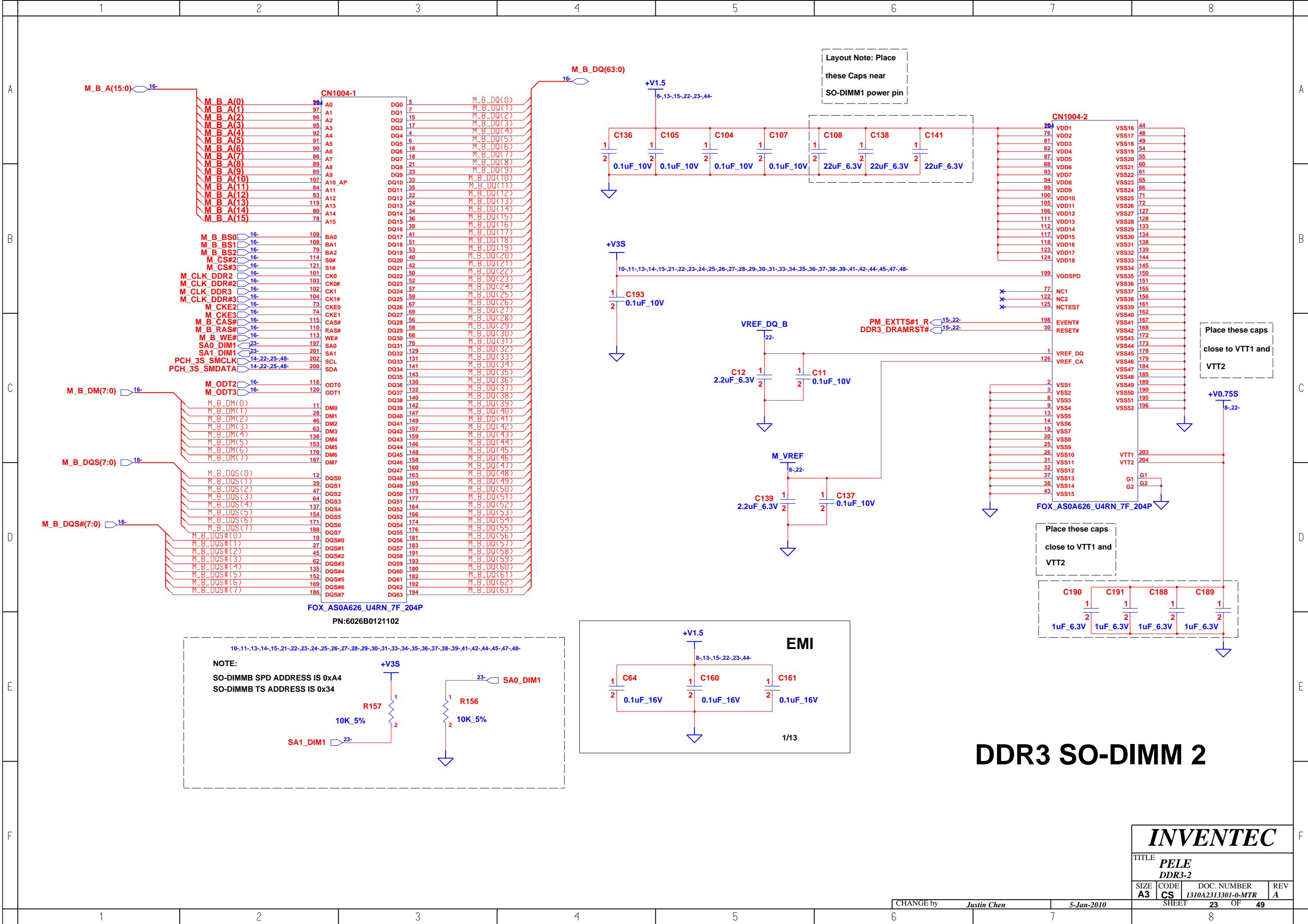
TITLE
PELE
DDR3-1

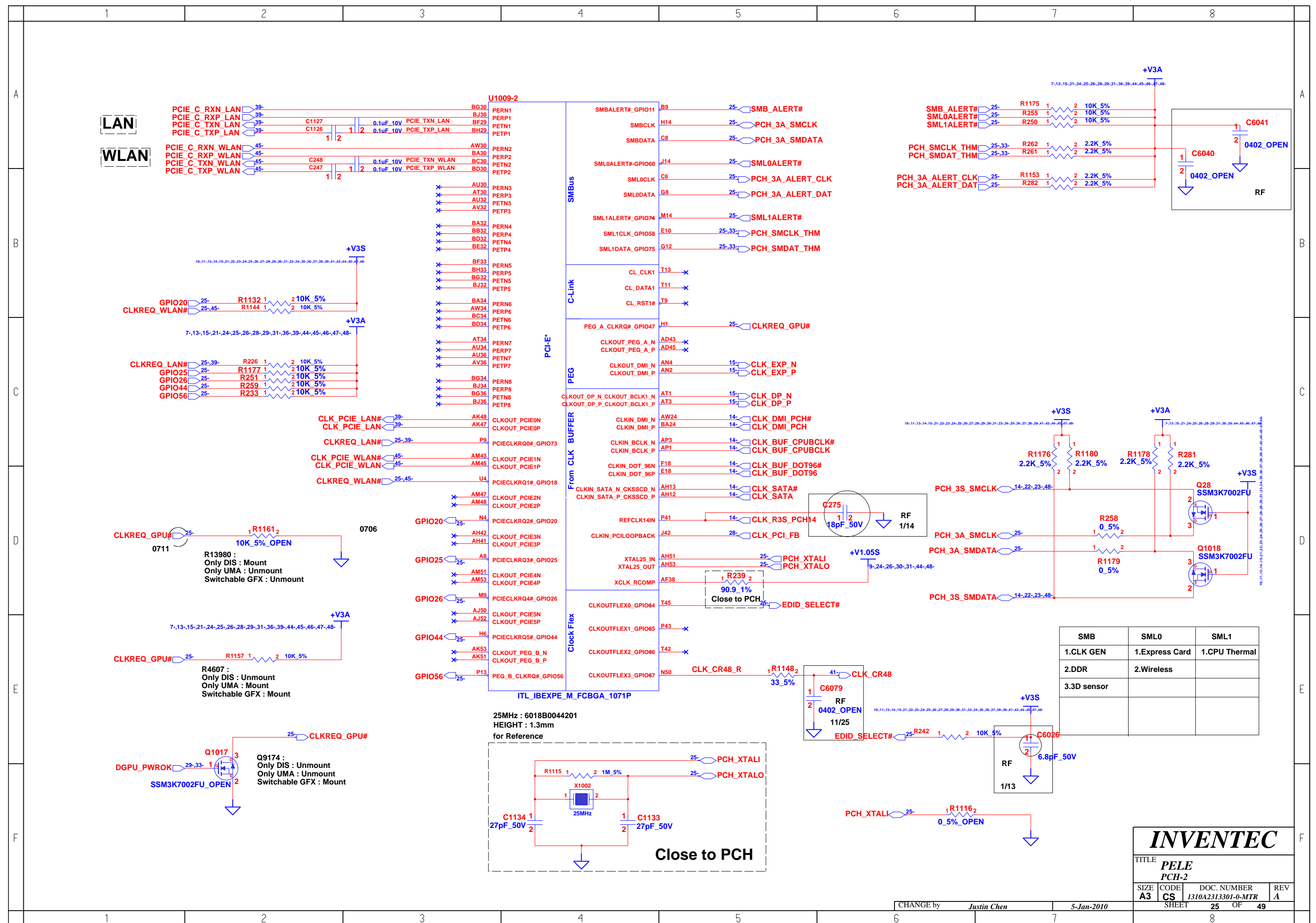
SIZE
A3

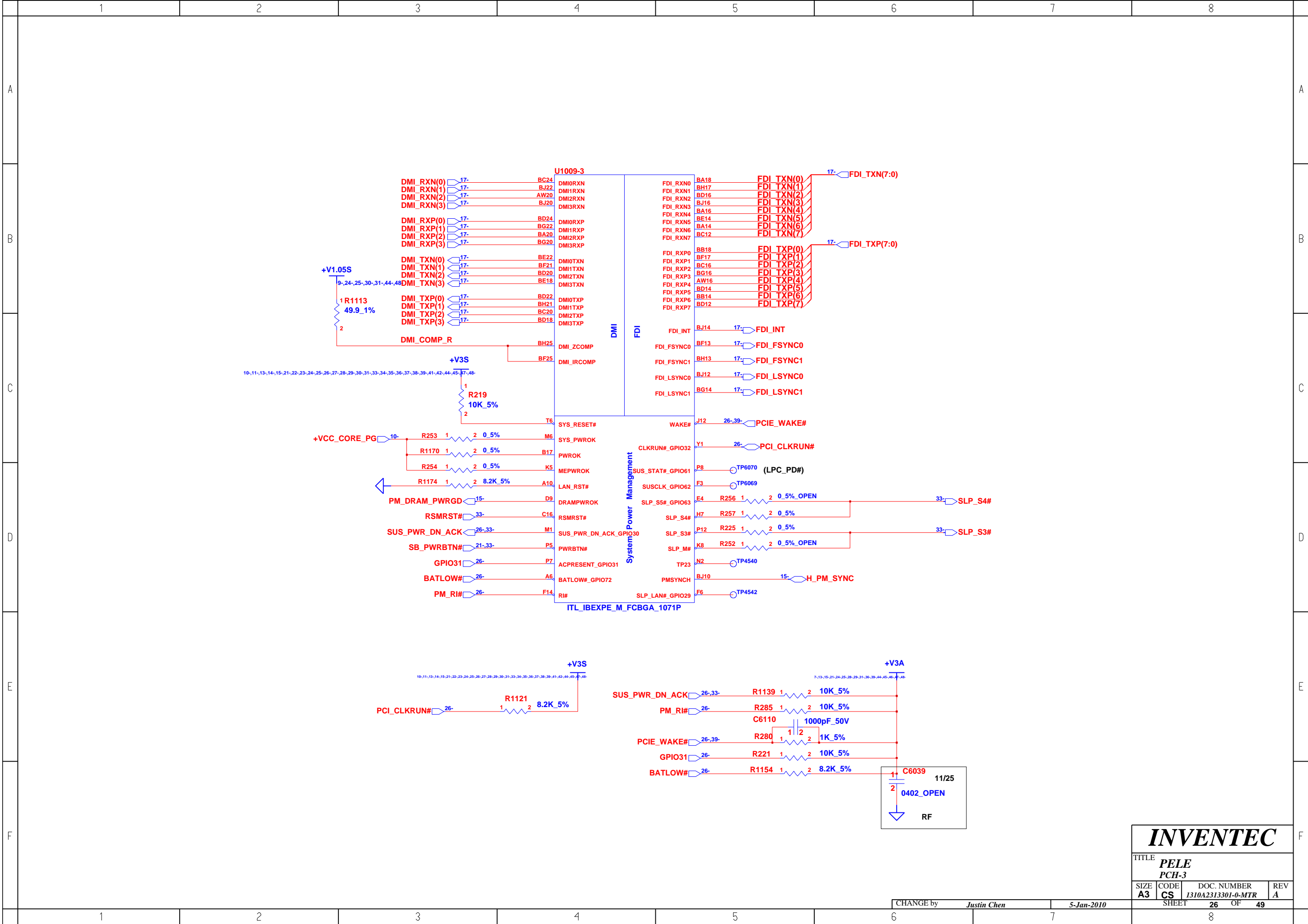
CODE
CS

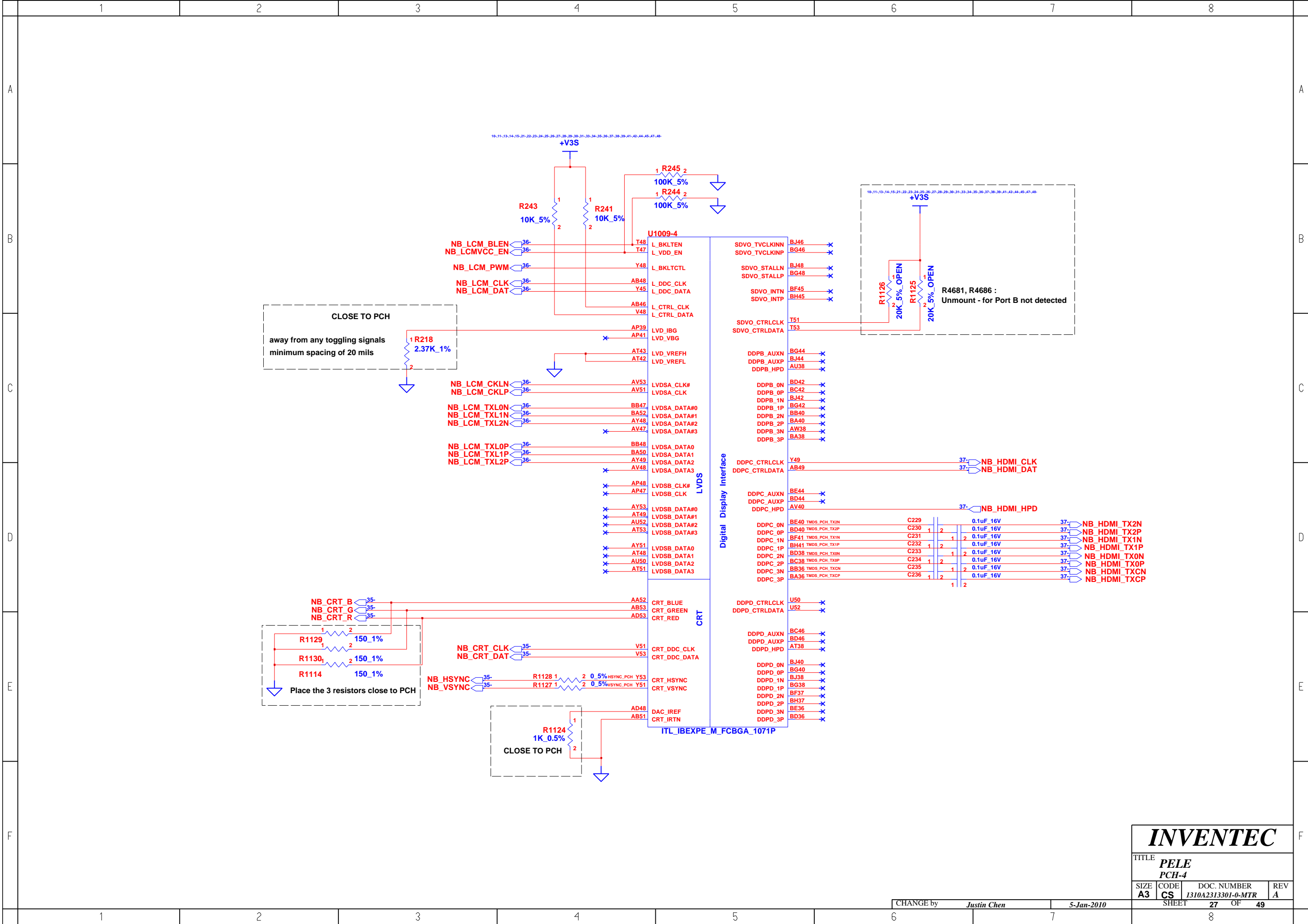
DOC. NUMBER
1310A2313301-0-MTR

REV
A









INVENTEC

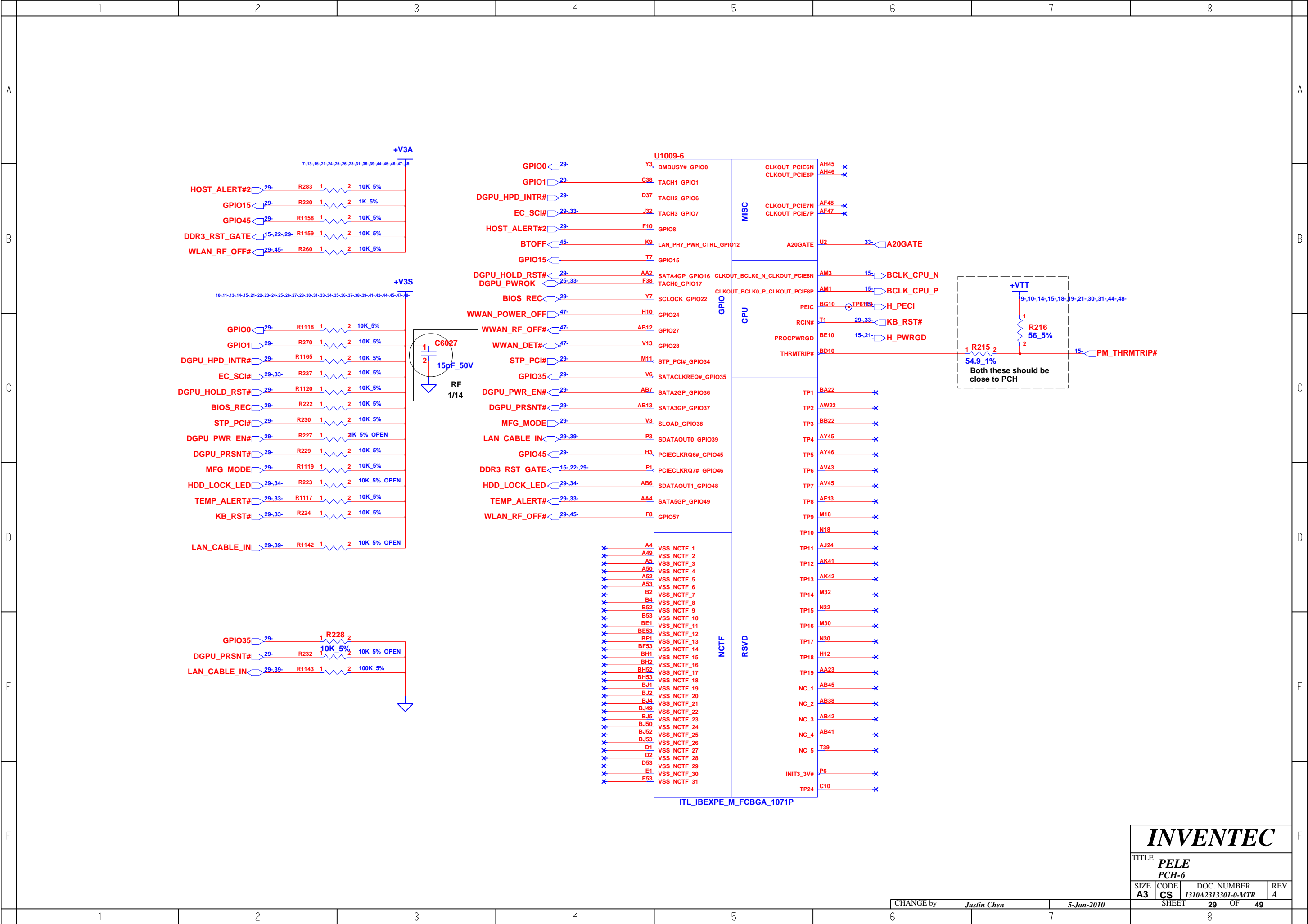
TITLE
PELE
PCH-4

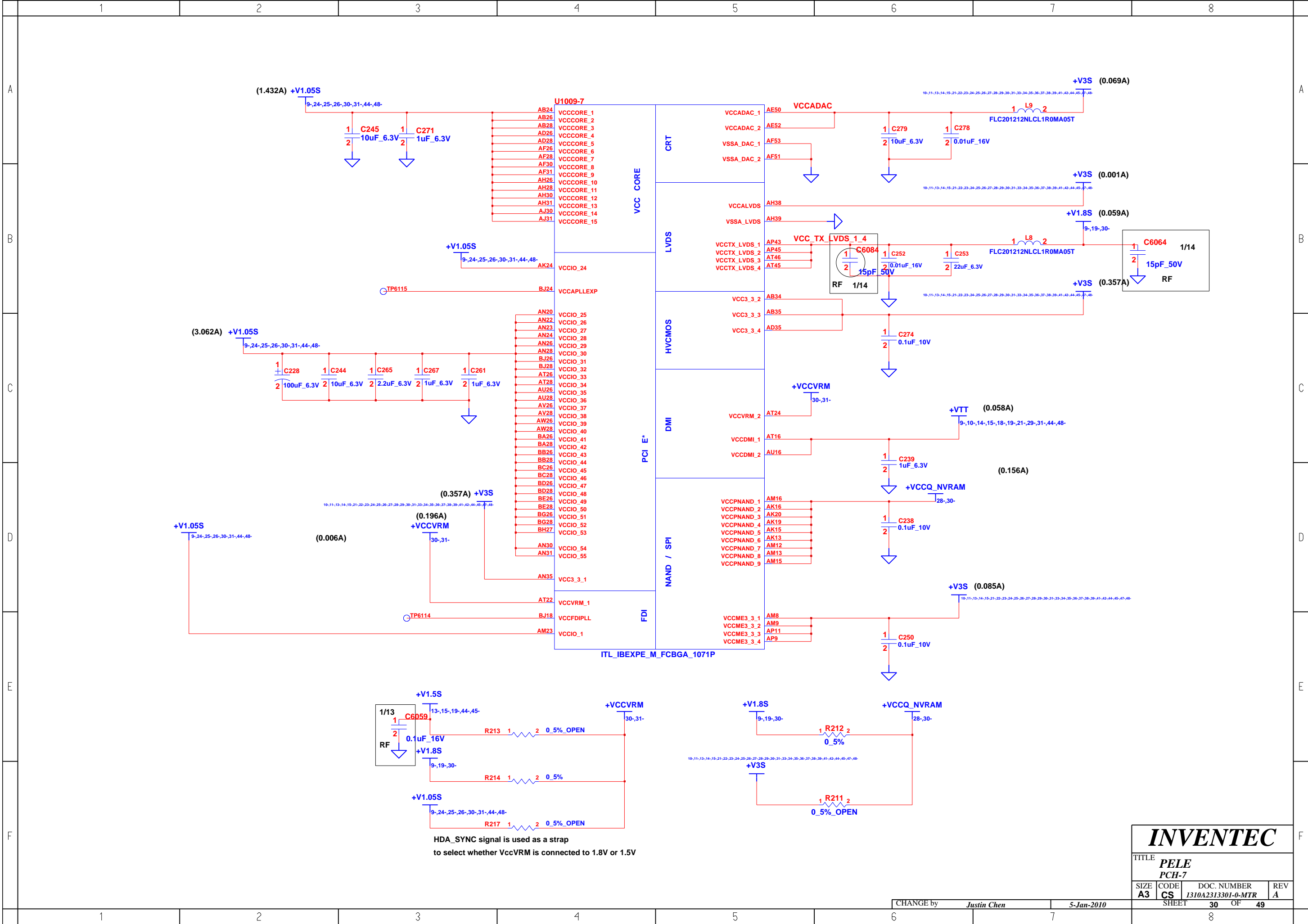
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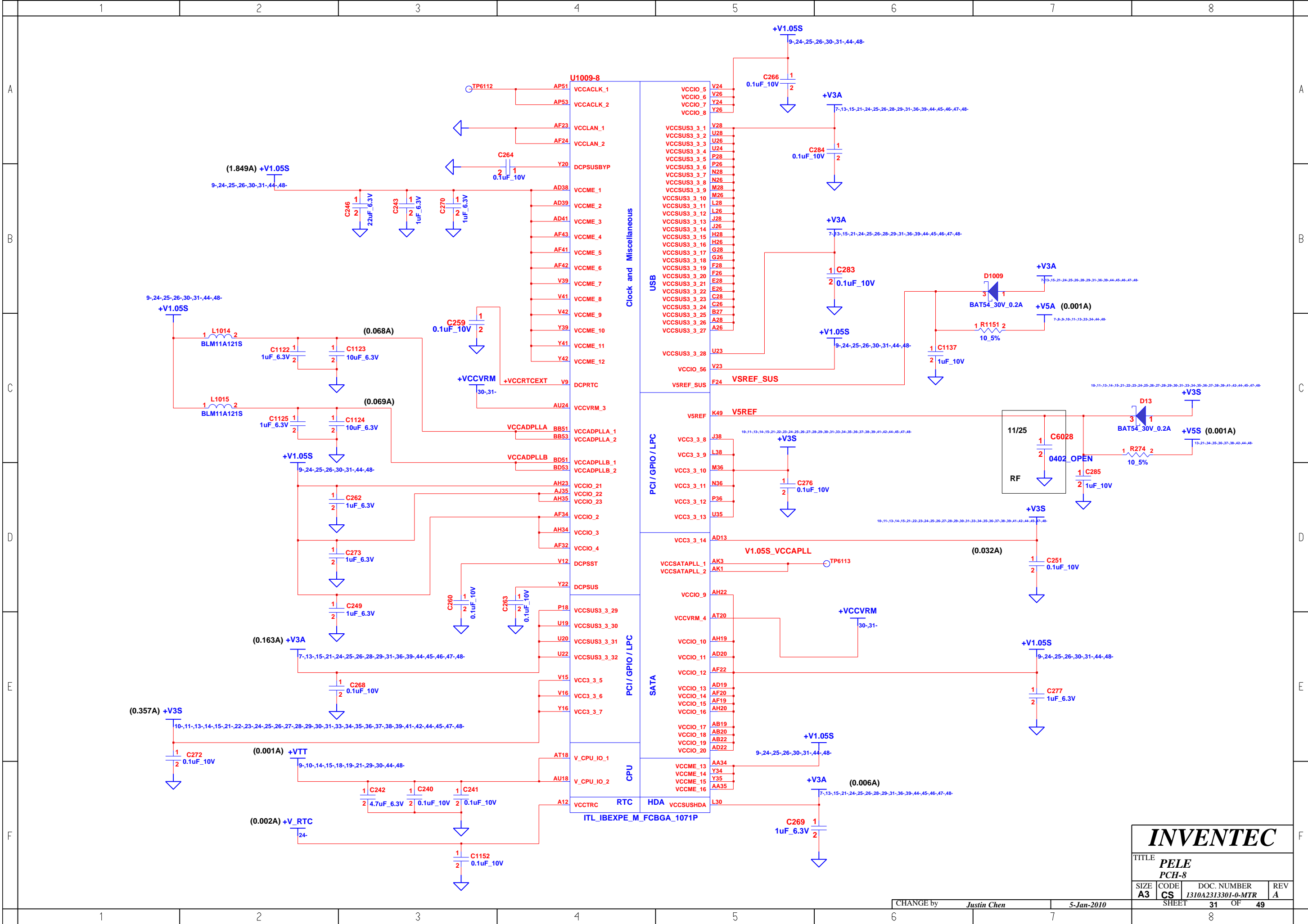
CHANGE by Justin Chen

5-Jan-2010

SHEET 27 OF 49





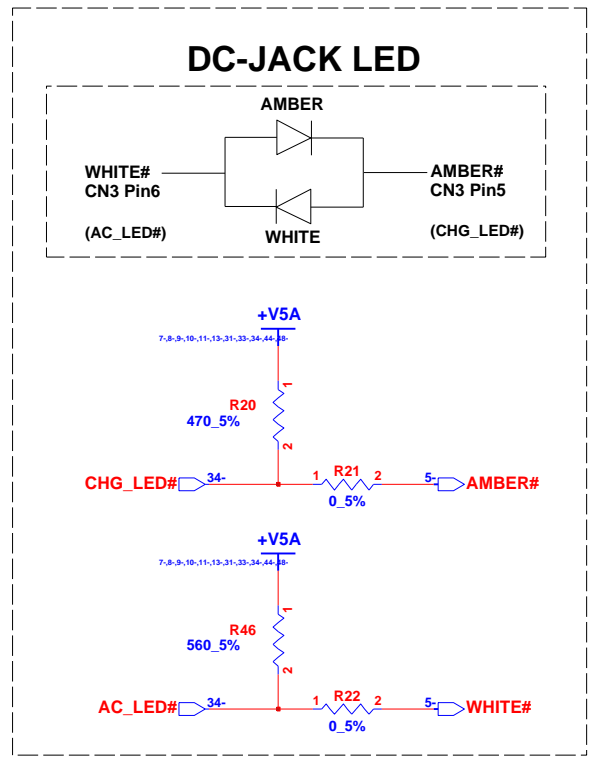


INVENTEC

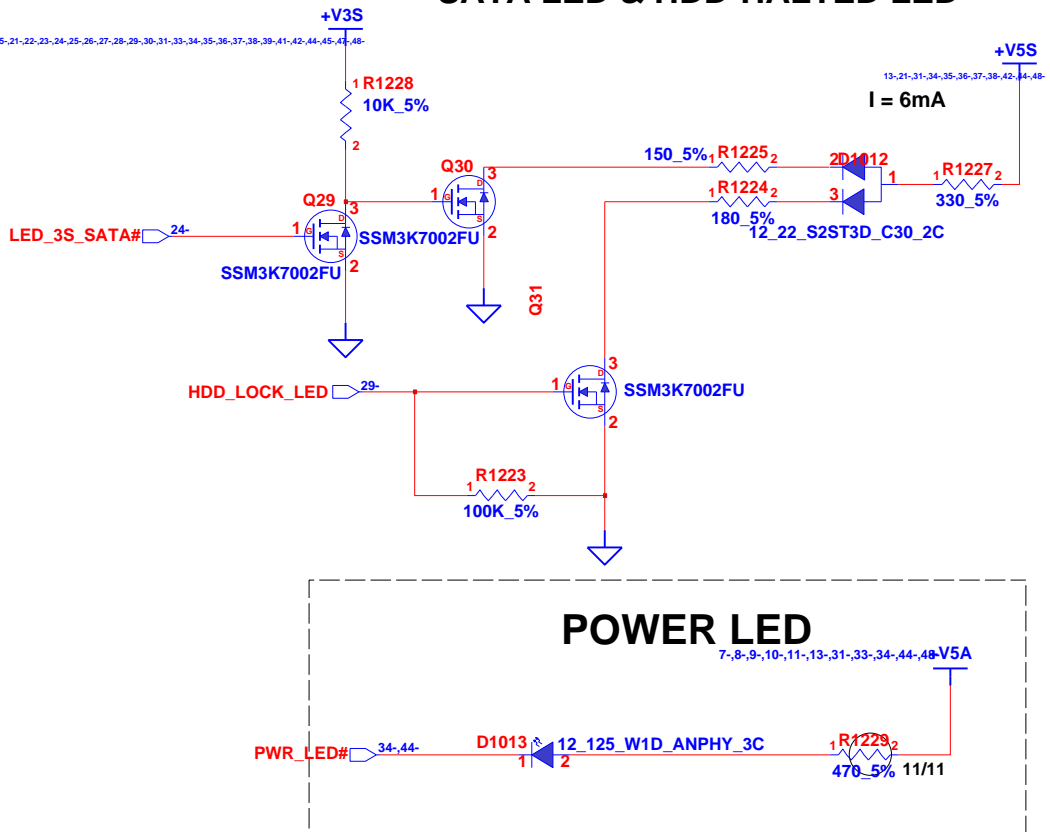
TITLE
**PELE
PCH-8**

SIZE A3	CODE CS	DOC. NUMBER I310A2313301-0-MTR	REV A
SHEET 31		OF 49	

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

[illegible]

KeyBoard CONN (30 pin)



POWER LED

7-8-,9-,10-,11-,13-,31-,33-,34-,44-,48-V5A

PWR_LED# 34-,44-

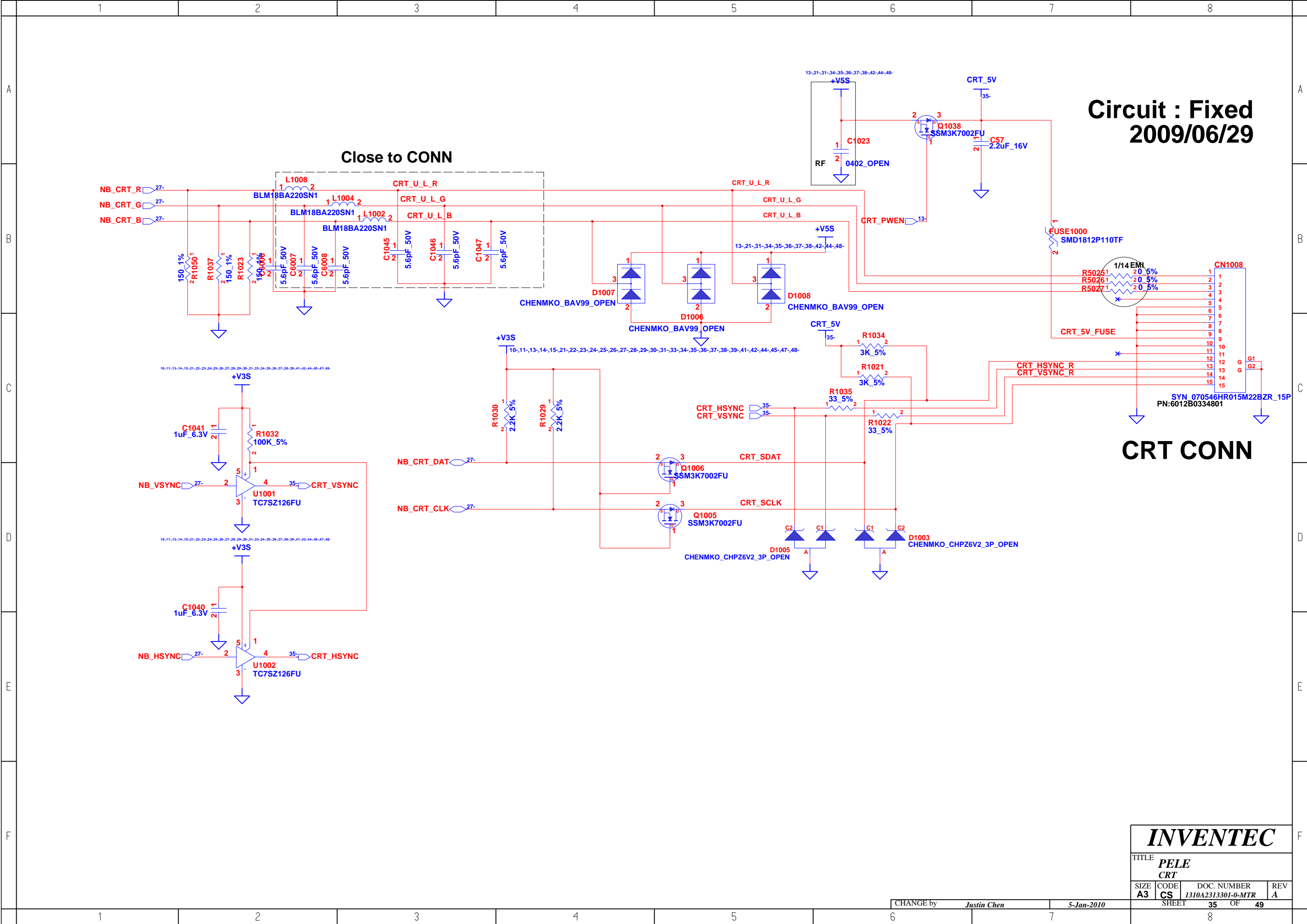
D1013 12_125_W1D_ANPHY_3C

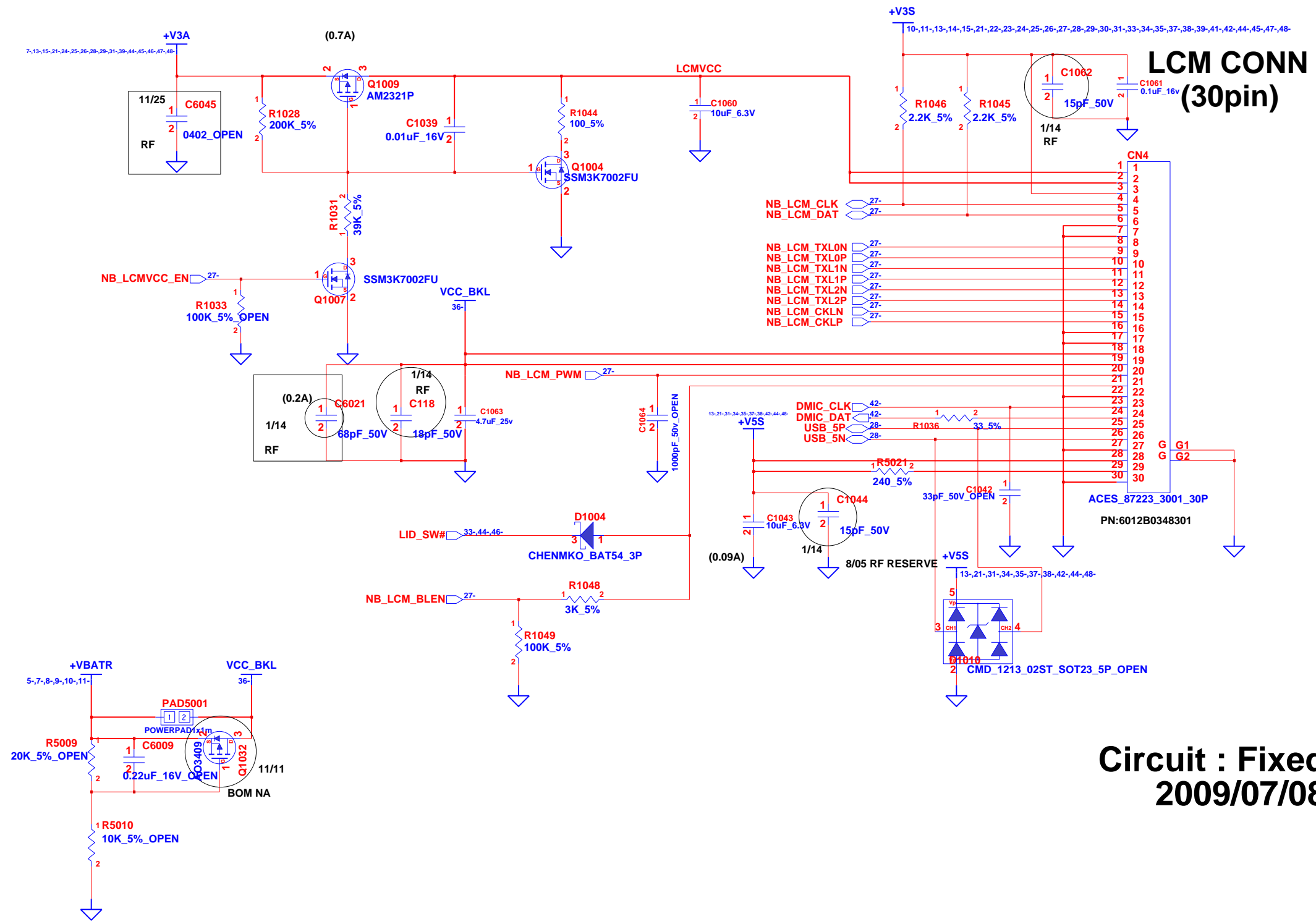
1 2

1228 470_5% 11/11

5V

TITLE			
<i>PELE</i> <i>Keyboard & TouchPad</i>			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	<i>I310A2313301-0-MTR</i>	<i>A</i>
SHEET		34	OF 49

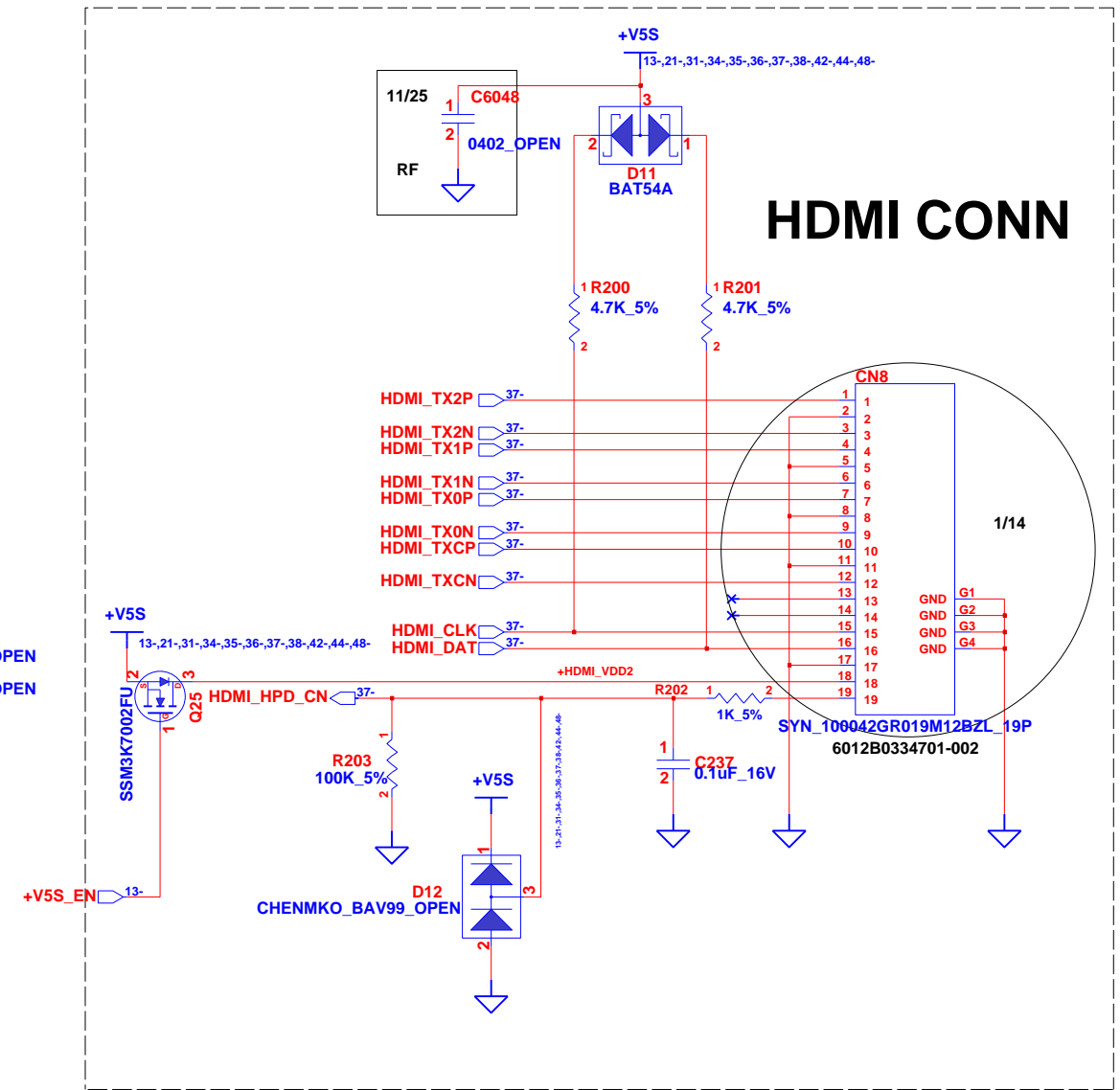
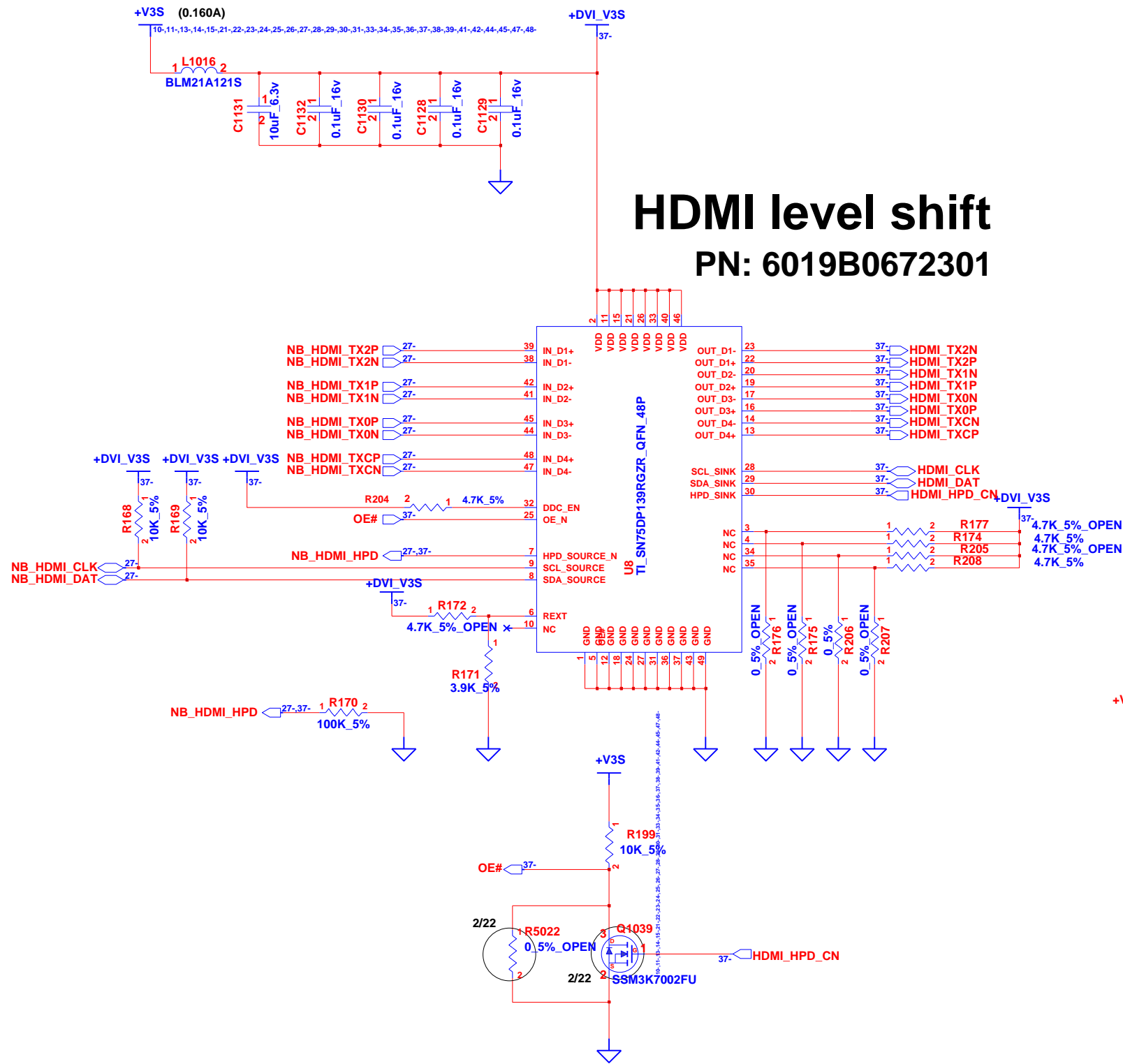




Circuit : Fixed
2009/07/08

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	

HDMI level shift
PN: 6019B0672301

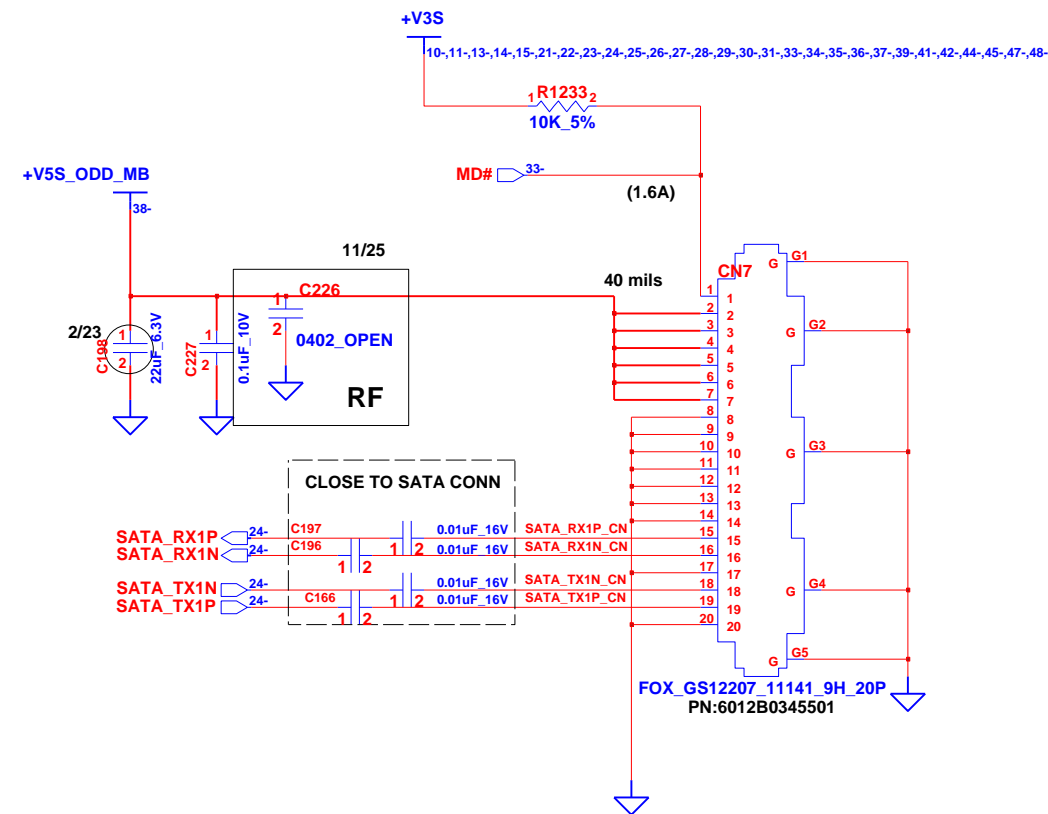


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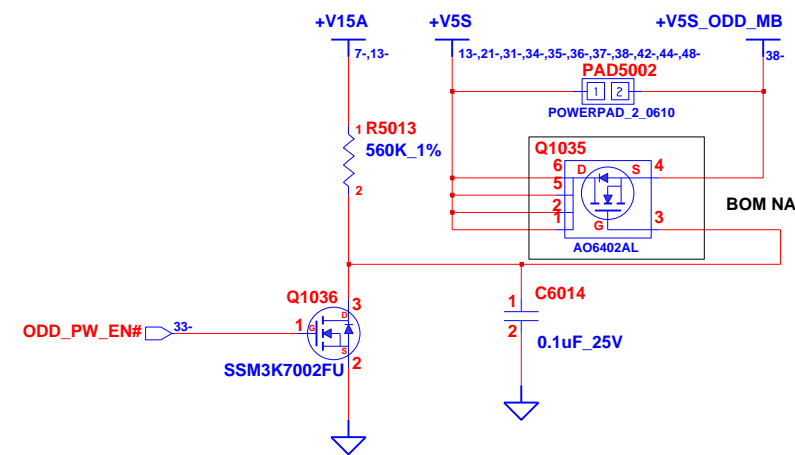
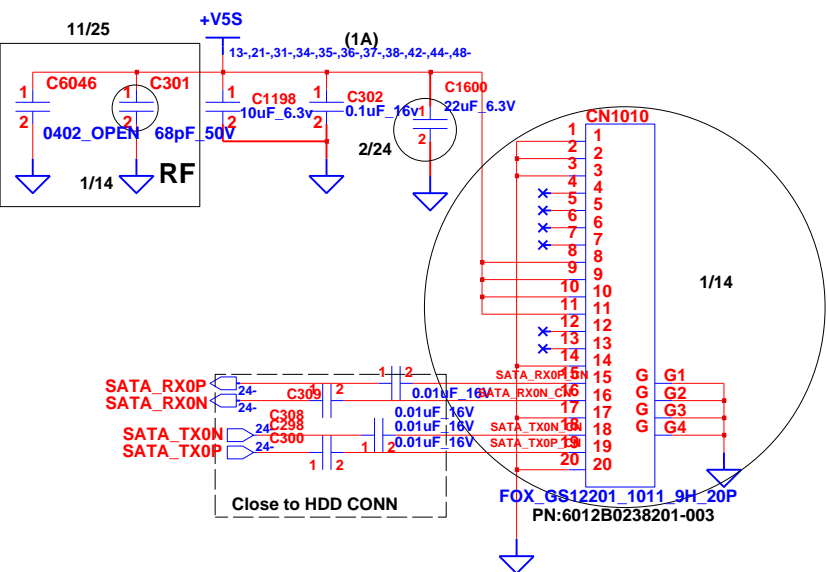
TITLE			
PELE			
HDMI Level-Shift			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310A2313301-0-MTR	A
SHEET		37	OF 49

CHANGE by Justin Chen 5-Jan-2010

SATA ODD FFC CONN on MB



SATA HDD FFC CONN on MB



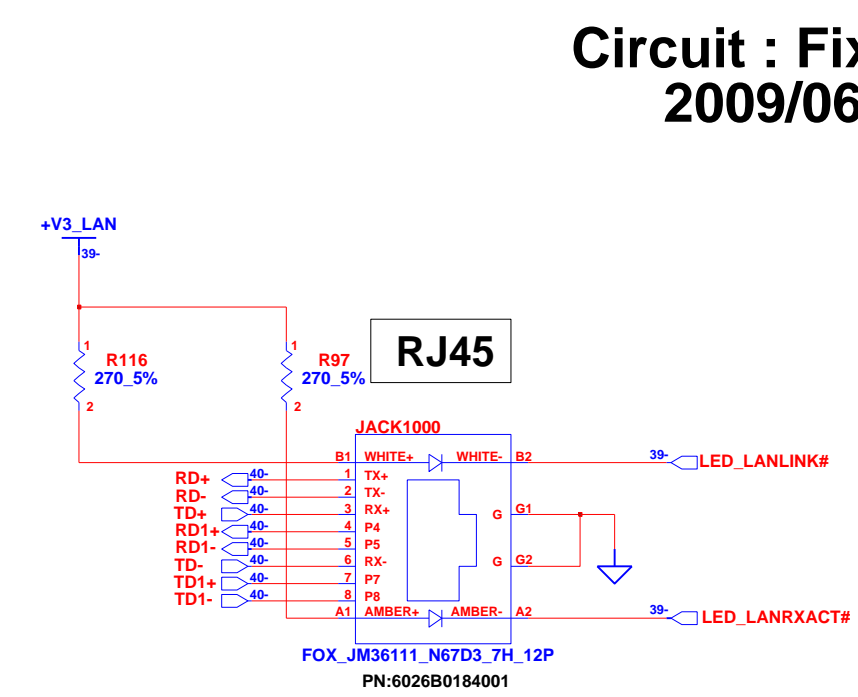
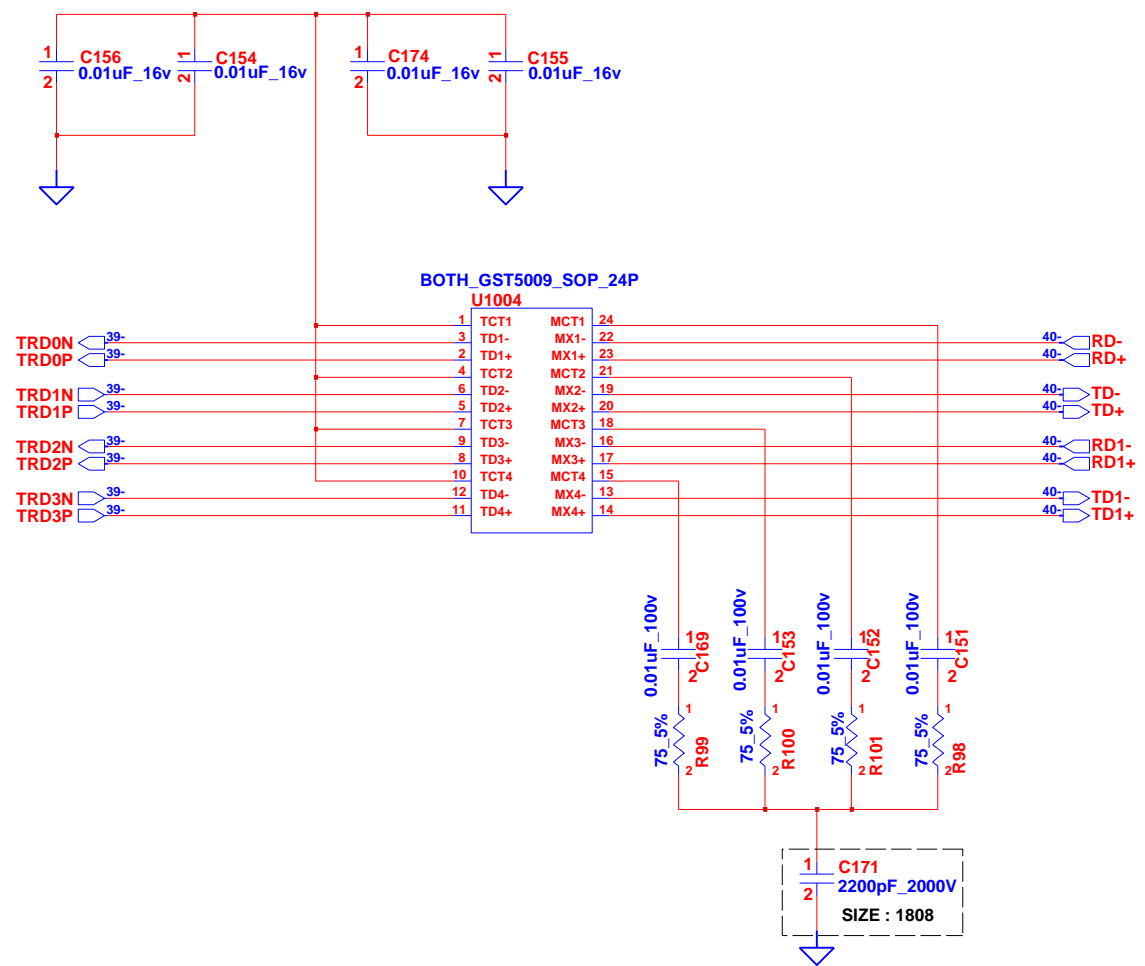
INVENTEC

TITLE
PELE
SATA HDD & ODD

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

SHEET 38 OF 49

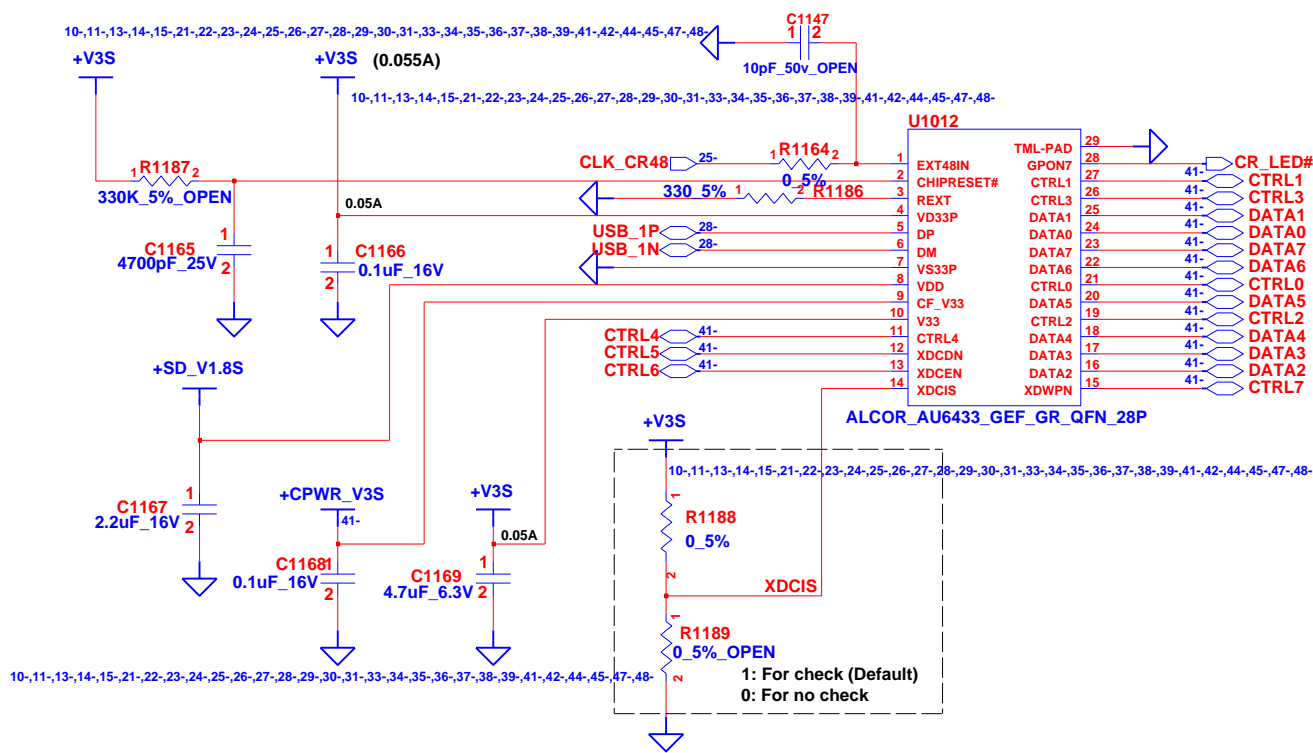


LAYOUT NOTE : Place termination resistors and caps as close to LAN controller as possible

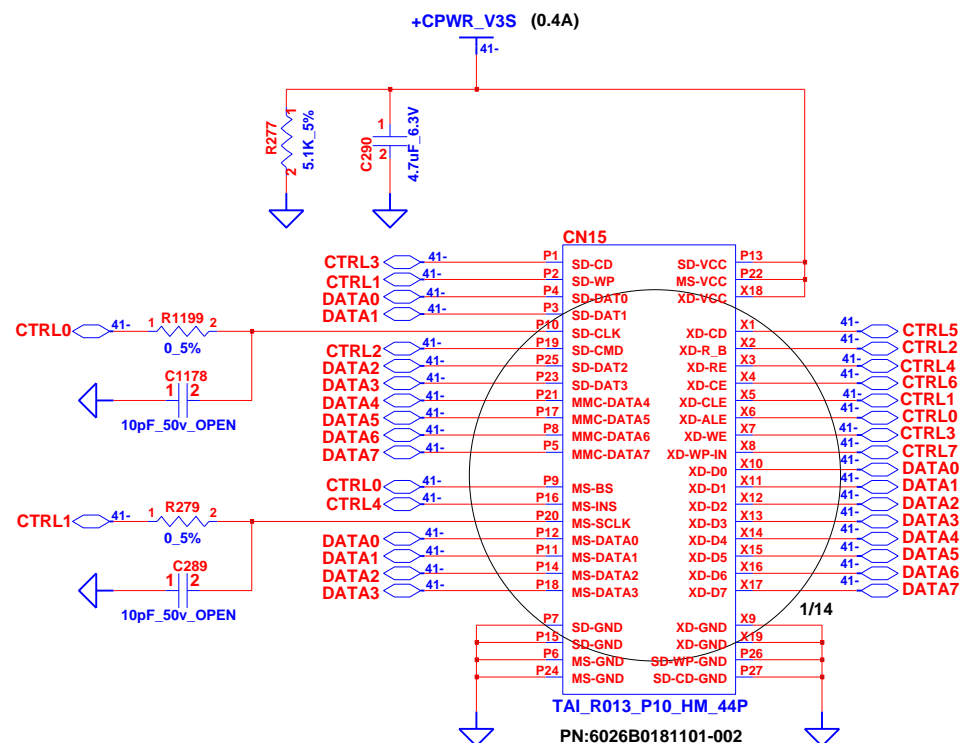
Circuit : Fixed
2009/06/29

INVENTEC			
TITLE PELE			
RJ-45			
SIZE A3	CODE CS	DOC. NUMBER I310A2313301-0-MTR	REV A
CHANGE by Justin Chen		5-Jan-2010	
SHEET 40		OF 49	

Circuit : Fixed
2009/07/08



Card Reader CONN



INVENTEC

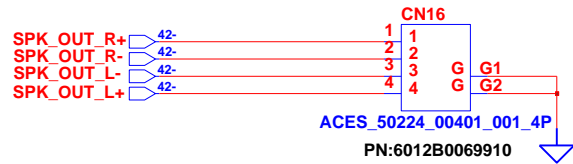
TITLE			
PELE			
Card Reader			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310A2313301-0-MTR	A
SHEET		41	OF 49

CHANGE by Justin Chen 5-Jan-2010

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



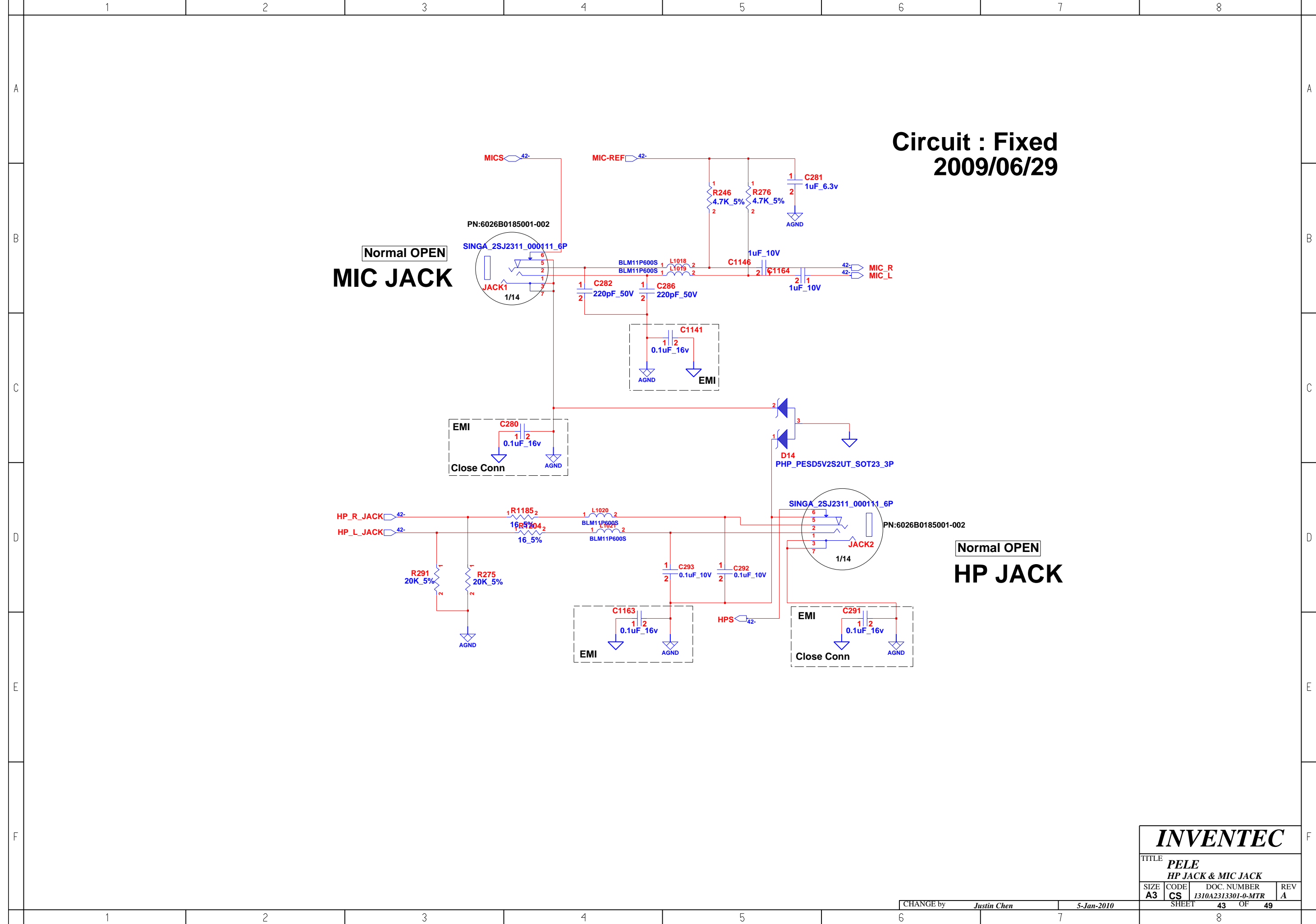
INVENTEC

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

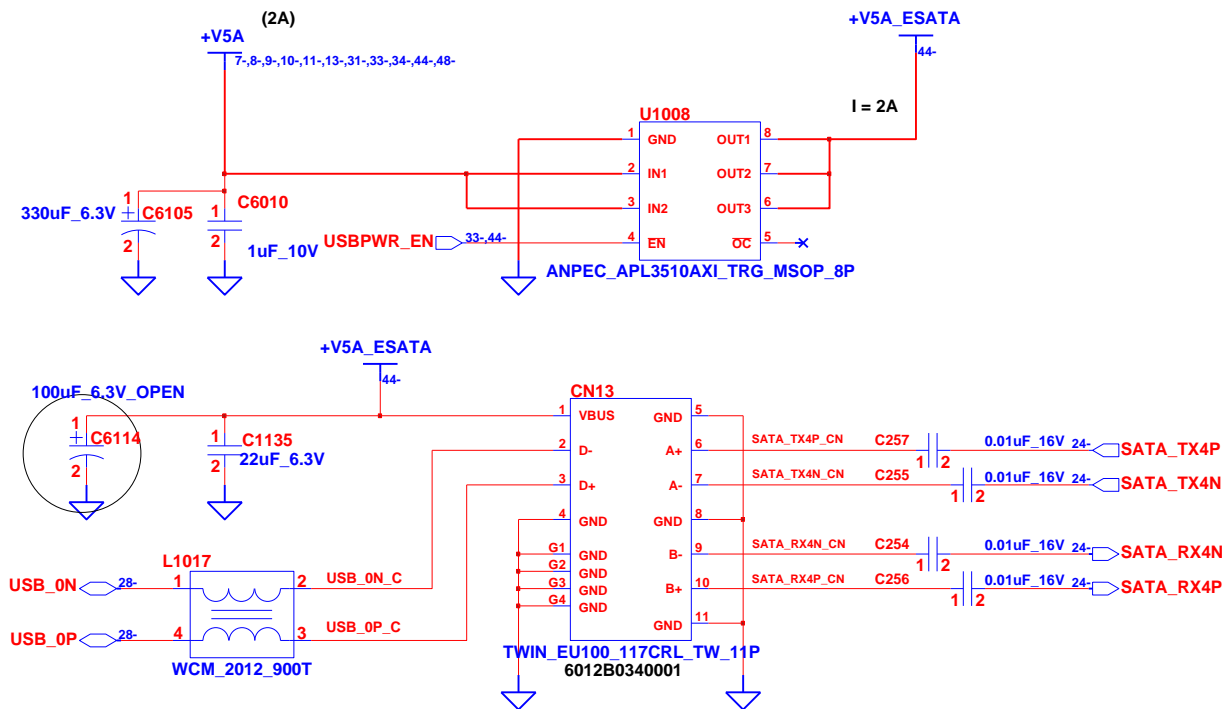


INVENTEC

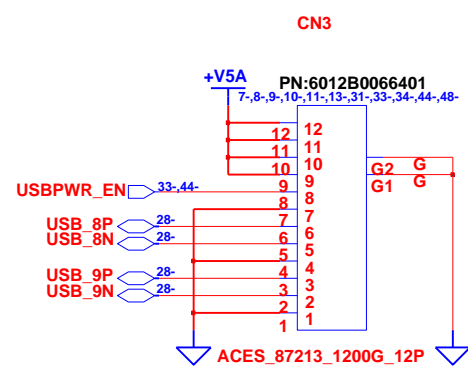
TITLE			
PELE			
HP JACK & MIC JACK			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310A2313301-0-MTR	A
SHEET		43	OF 49

CHANGE by Justin Chen 5-Jan-2010

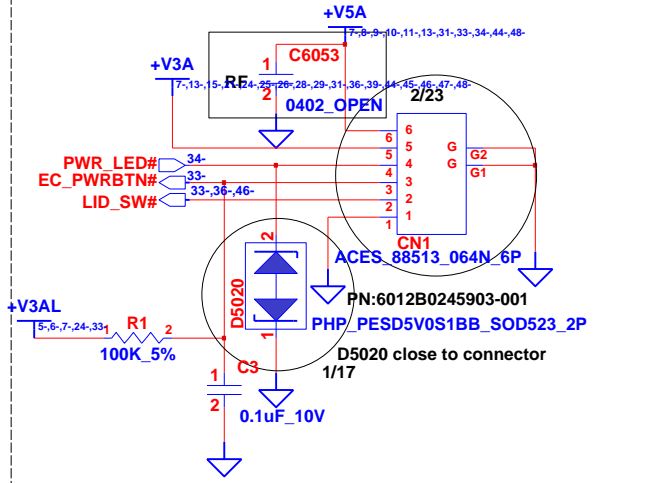
ESATA CONN (without Re-Driver chip)



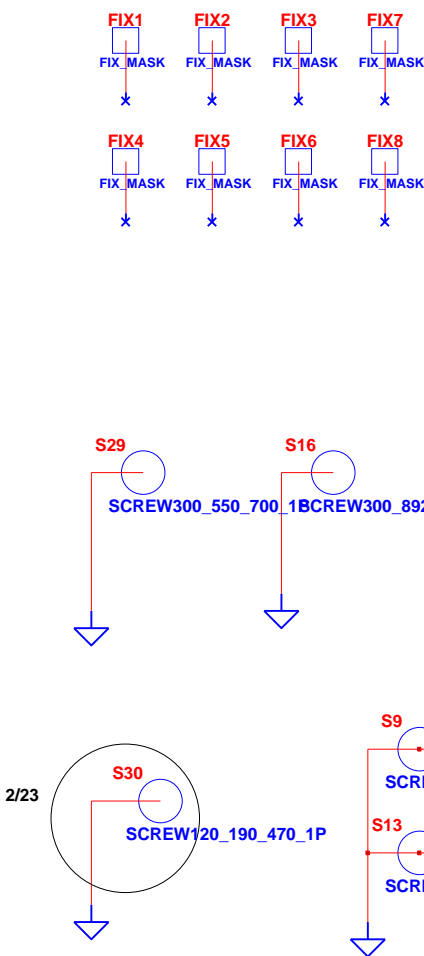
USB BOARD Cable on MB



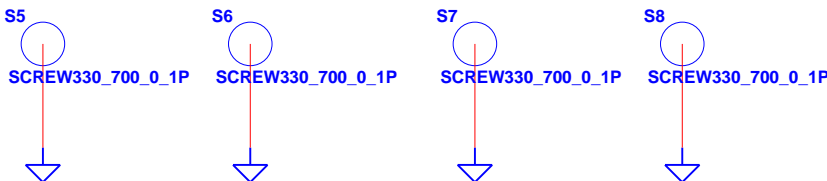
PBN Cable CN on MB



Circuit : Fixed
2009/06/29



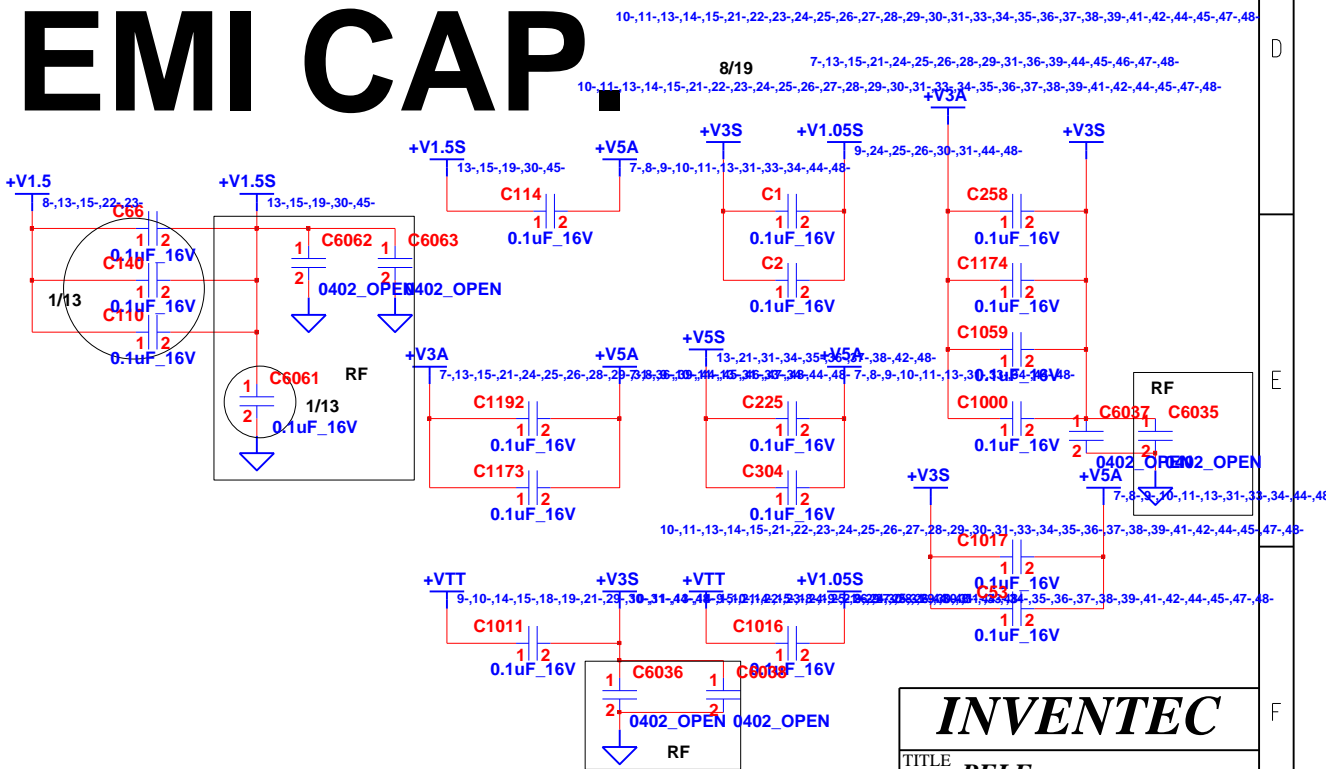
CPU's screws



FOR PCH

FOR MB

EMI CAP.

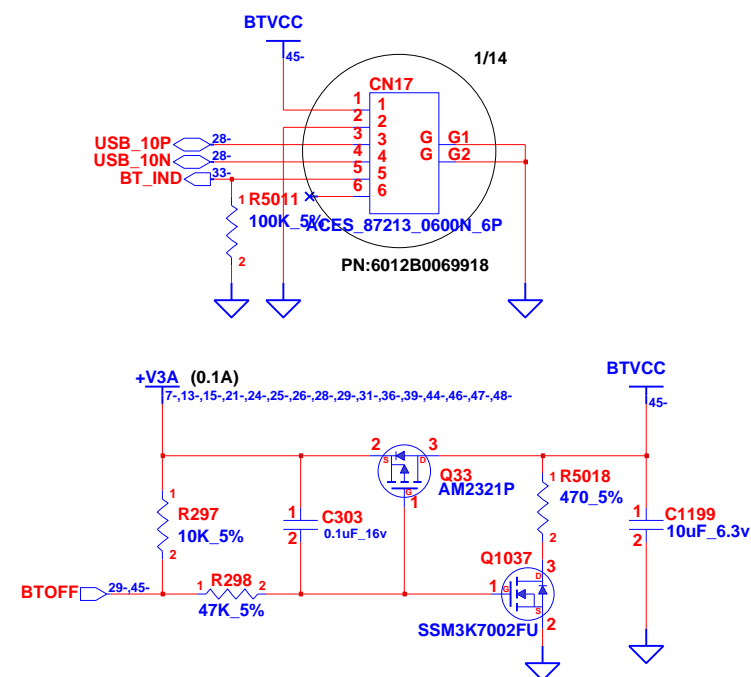


INVENTEC

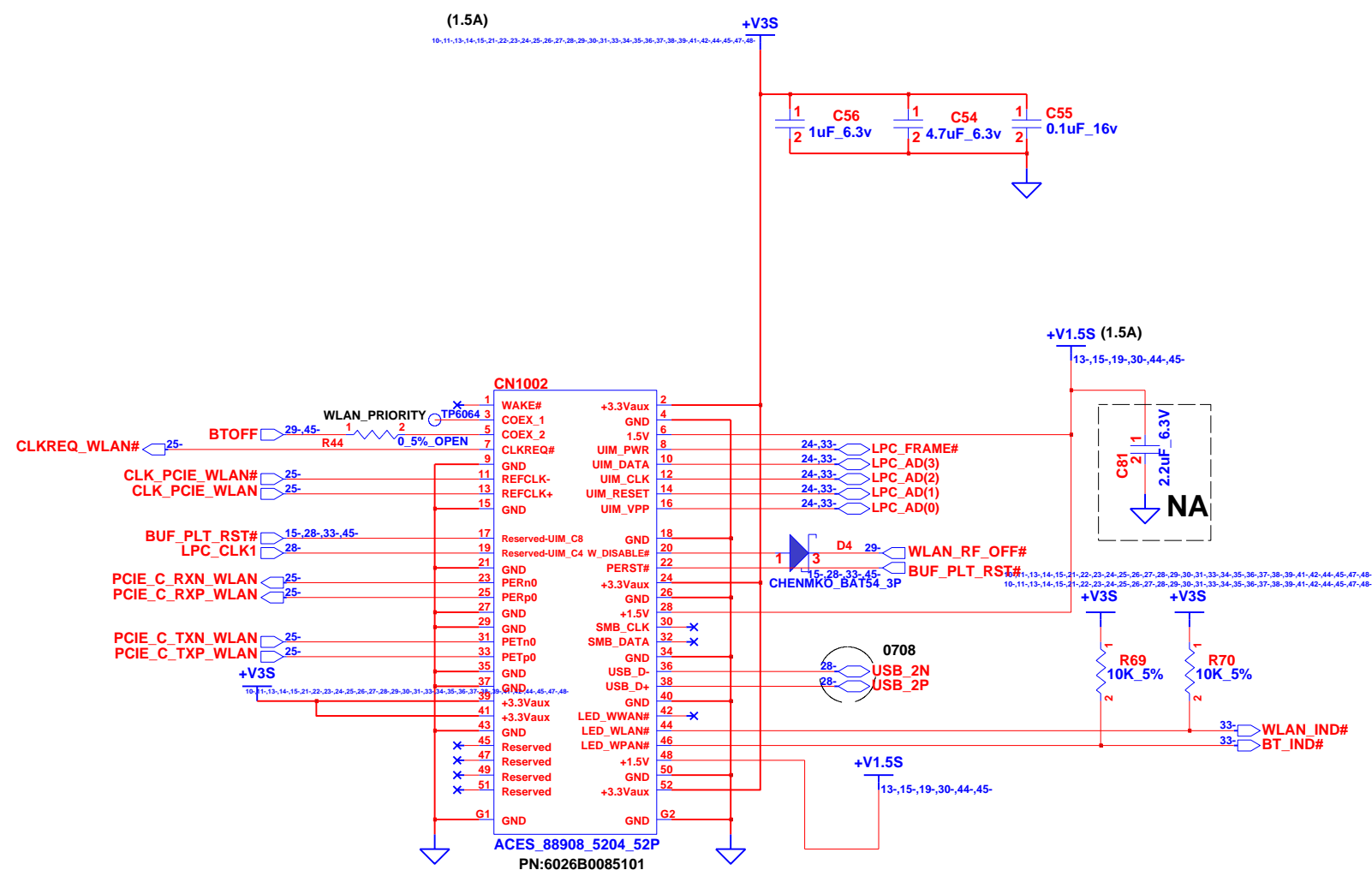
TITLE			
PELE			
ESATA, SCREW & LID			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310A2313301-0-MTR	A
SHEET		44	OF 49

CHANGE by Justin Chen 5-Jan-2010

BLUETOOTH CONN



WLAN CONN (MINICARD)



	PCH	SB800\820
WLAN_RF_OFF#	GPIO57	GPIO12
WLAN_POWER_OFF	GPIO35	GPIO176

Circuit : Fixed
2009/07/08

INVENTEC

TITLE
PELE
WLAN, BT & WebCAM

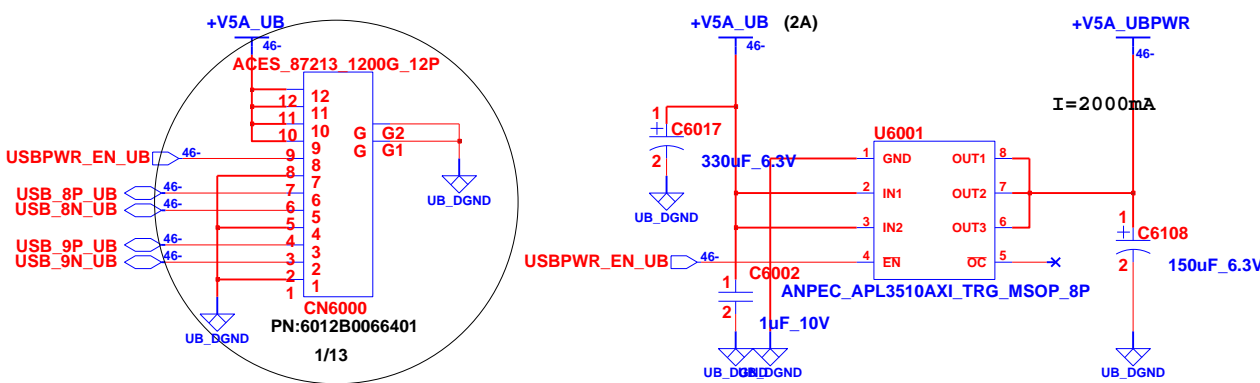
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A3	CS	I310A2313301-0-MTR	A

CHANGE by Justin Chen 5-Jan-2010

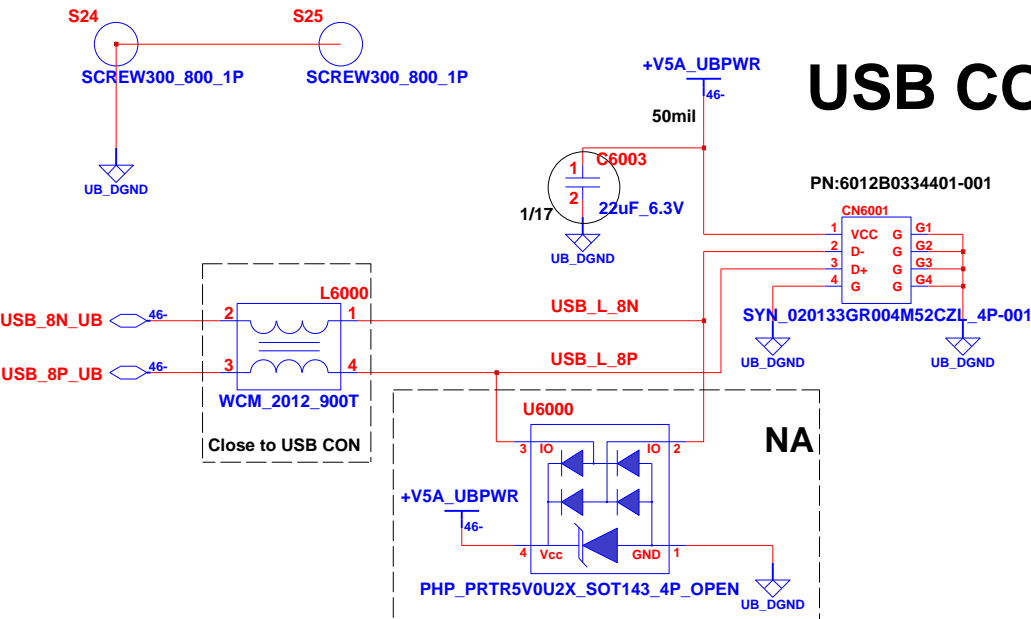
SHEET 45 OF 49

USB BOARD
USB BOARD Cable ON UB

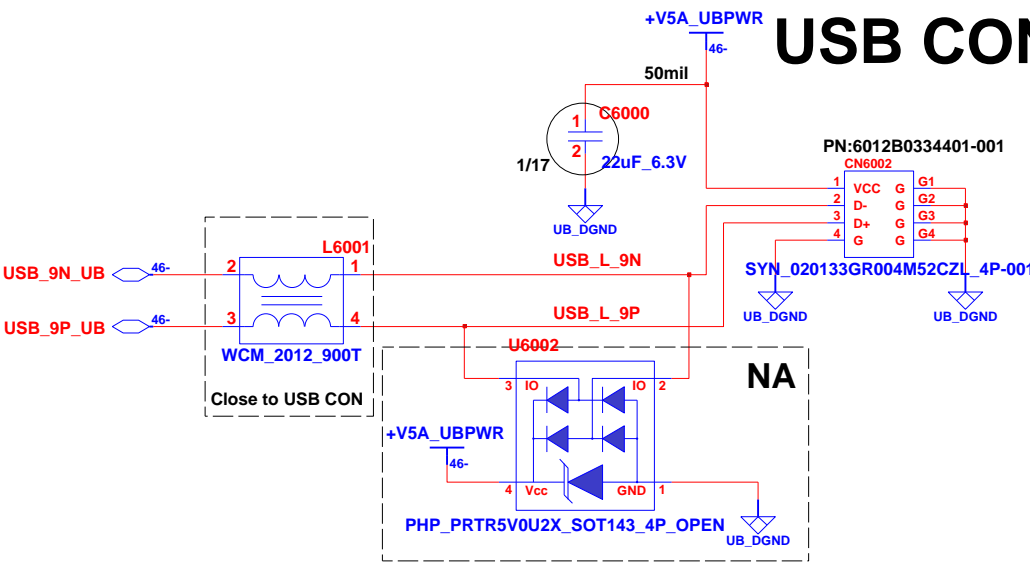
Circuit : Fixed
2009/06/29



USB CONN01



USB CONN02

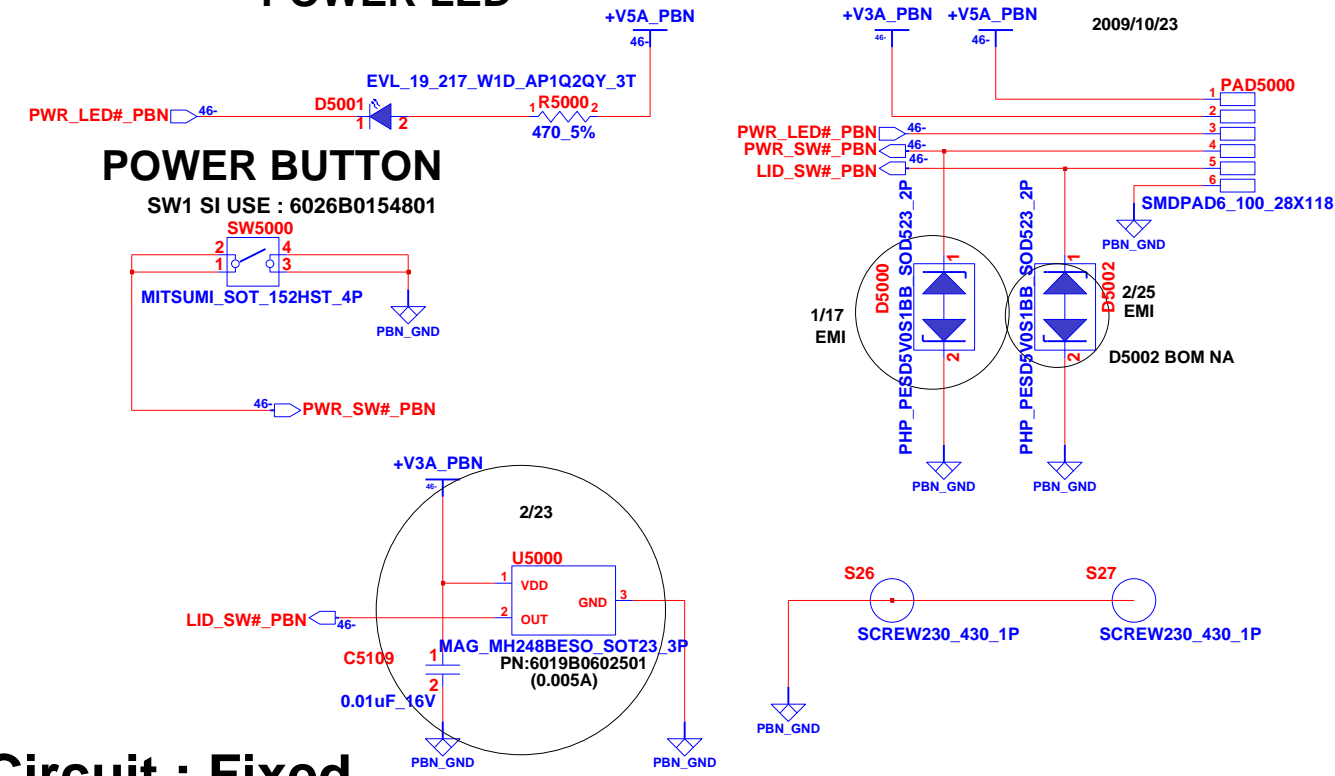


POWER LED

PBN Cable CN on PBN

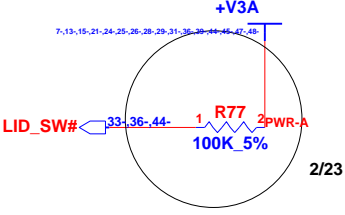
POWER BUTTON

SW1 SI USE : 6026B0154801



Circuit : Fixed
2009/06/29

POWER BOTTON BOARD



INVENTEC

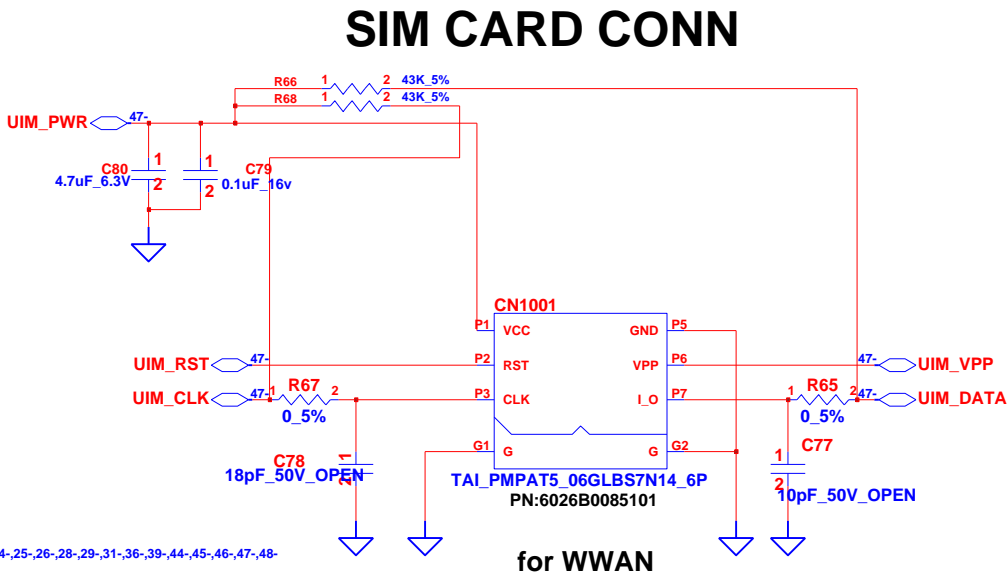
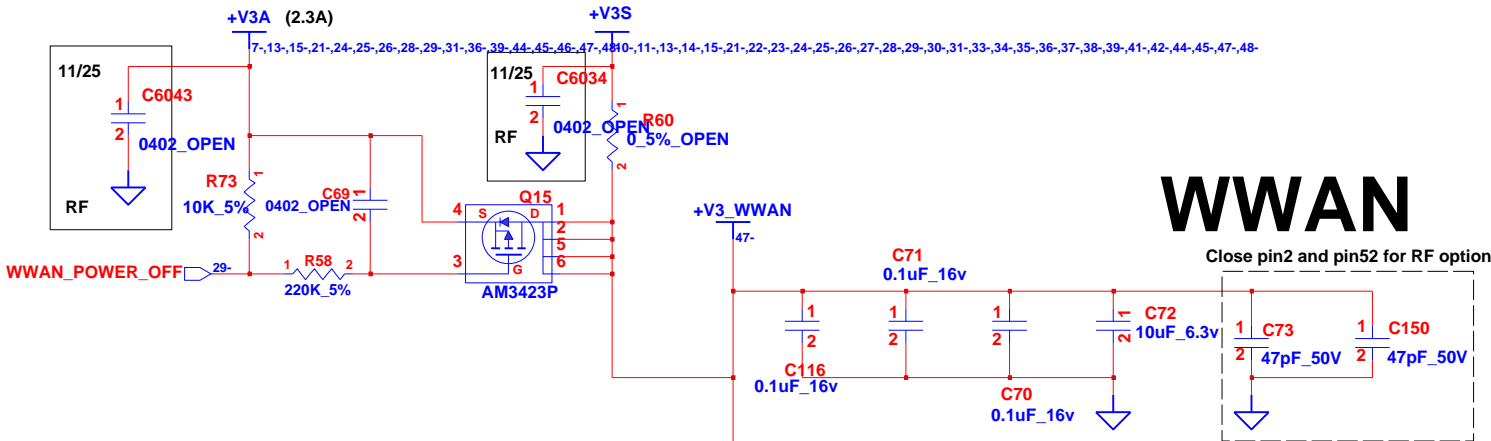
TITLE PELE
USB, PowerButton (DB)

SIZE A3
CODE CS
DOC. NUMBER 1310A2313301-0-MTR
SHEET 46 OF 49

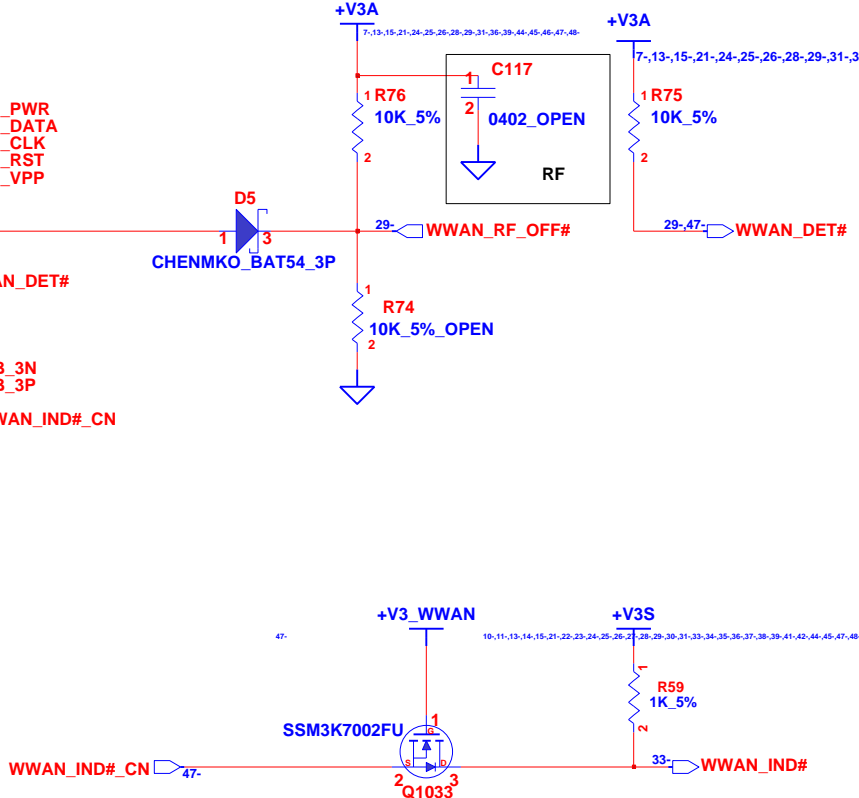
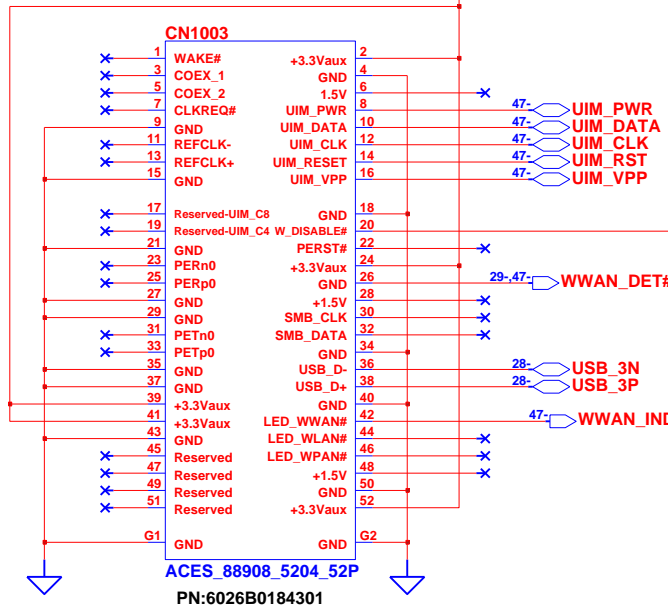
CHANGE by Justin Chen 5-Jan-2010

OPTION PART

Circuit : Fixed
2009/07/08



	PCH	SB800\820
WWAN_RF_OFF#	GPIO27	GPIO11
WWAN_POWER_OFF	GPIO24	GPIO175
WWAN_DET#	GPIO22	GPIO13



INVENTEC

TITLE PELE WWAN(Optional)			
SIZE A3	CODE CS	DOC. NUMBER I310A2313301-0-MTR	REV A
CHANGE by Justin Chen		5-Jan-2010	
SHEET 47		OF 49	

F

	1	2	3	4	5	6	7	8						
A									A					
B	<div><div><div><div><div>FIX9</div><div>FIX_MASK</div><div></div></div><div><div>FIX10</div><div>FIX_MASK</div><div></div></div></div><div><div>FIX15</div><div>FIX_MASK</div><div></div></div><div><div>FIX16</div><div>FIX_MASK</div><div></div></div></div><div><div>FIX13</div><div>FIX_MASK</div><div></div></div><div><div>FIX19</div><div>FIX_MASK</div><div></div></div><div><div>FIX20</div><div>FIX_MASK</div><div></div></div></div> <div><div>FIX21</div><div>FIX_MASK</div><div></div></div> <div><div>FIX22</div><div>FIX_MASK</div><div></div></div>								B					
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						CHANGE by		Justin Chen	5-Jan-2010					
						SIZE		A3	CODE	CS	DOC. NUMBER	1310A2313301-0-MTR	REV	A
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A3	CS	I310A2313301-0-MTR	A
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CHANGE by Justin Chen 5-Jan-2010