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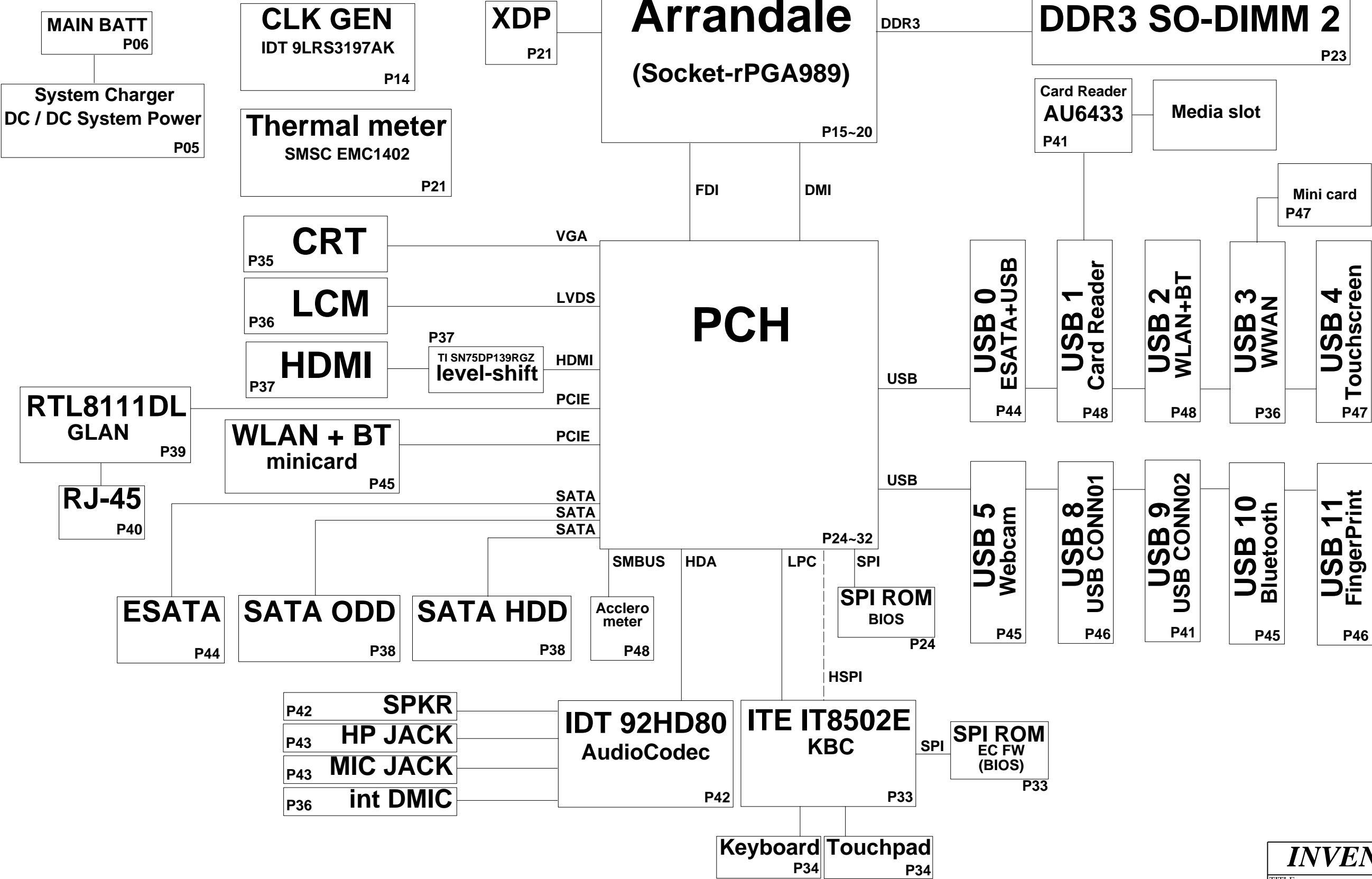
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INVENTEC

TITLE			
Calpella-UMA			
Index			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	SHEET 2 OF 49	

Inventec Confidential



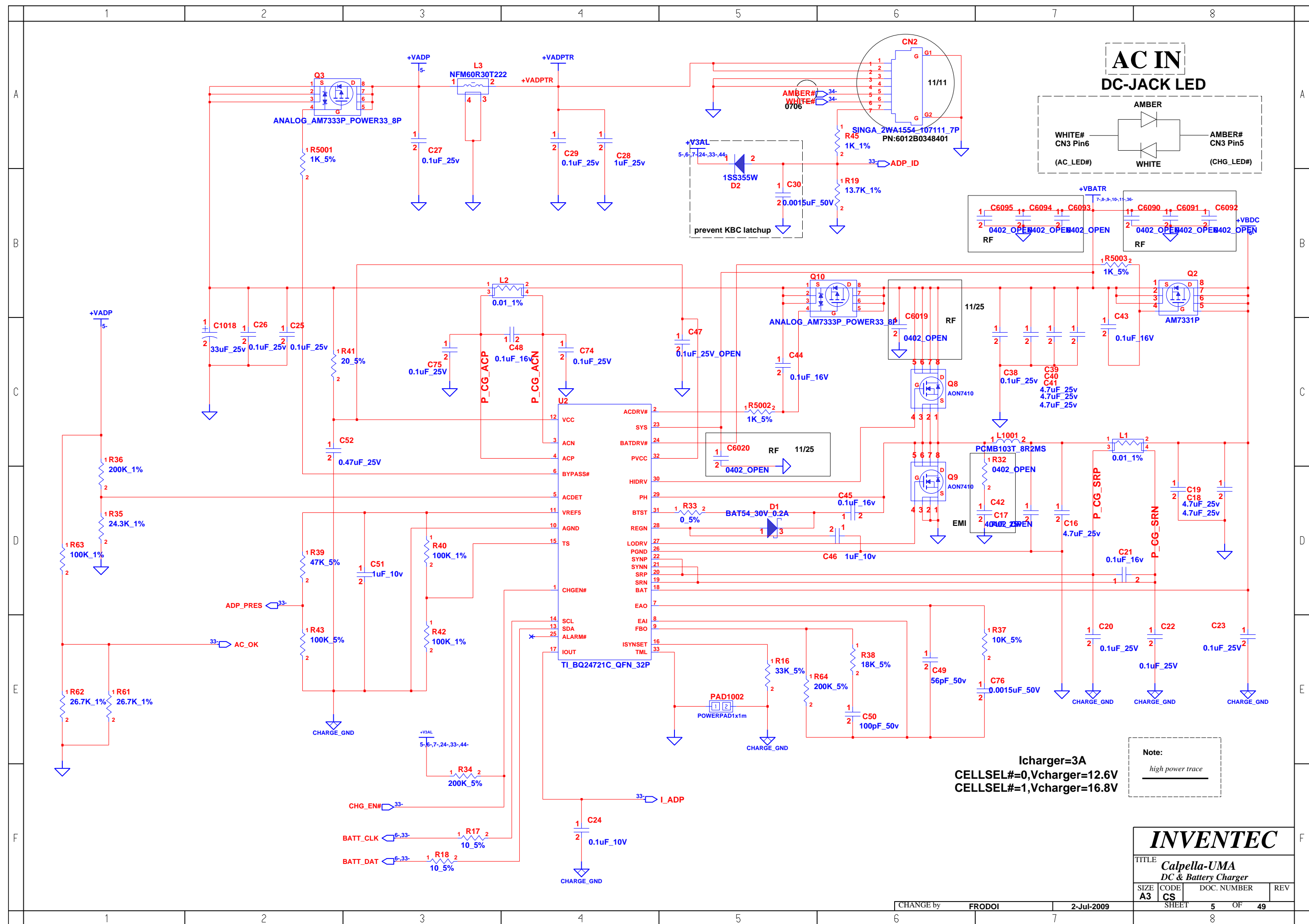
INVENTEC

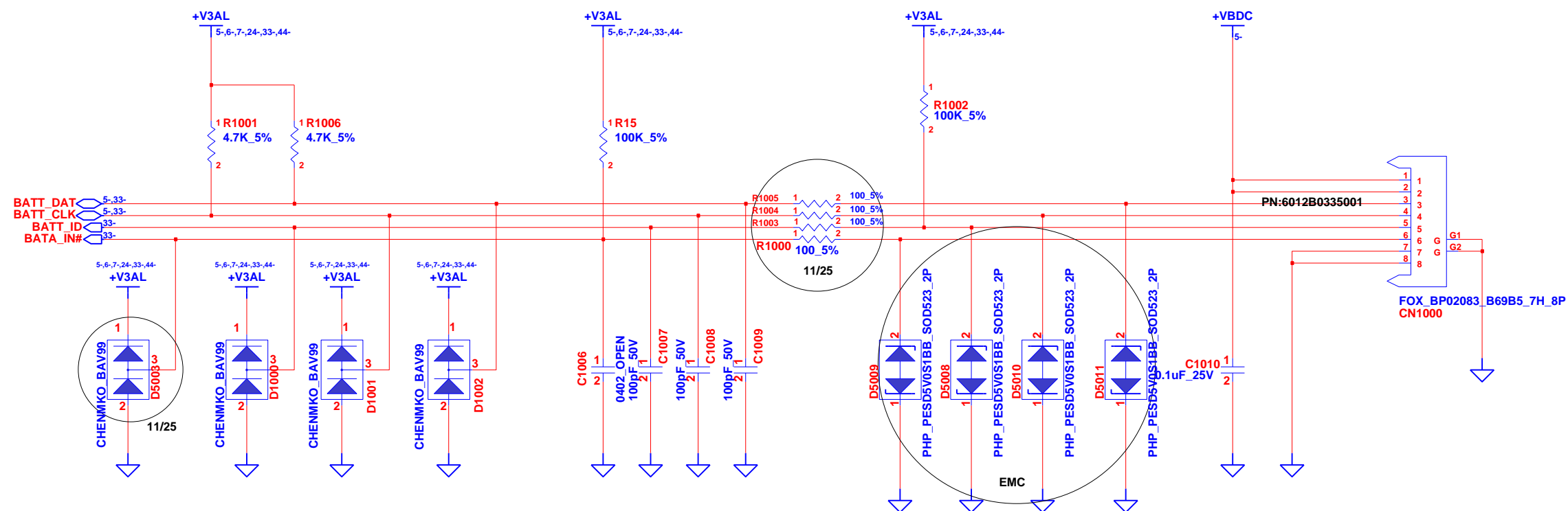
TITLE Calpella-UMA  
Block Diagram

SIZE A3	CODE CS	DOC. NUMBER	REV
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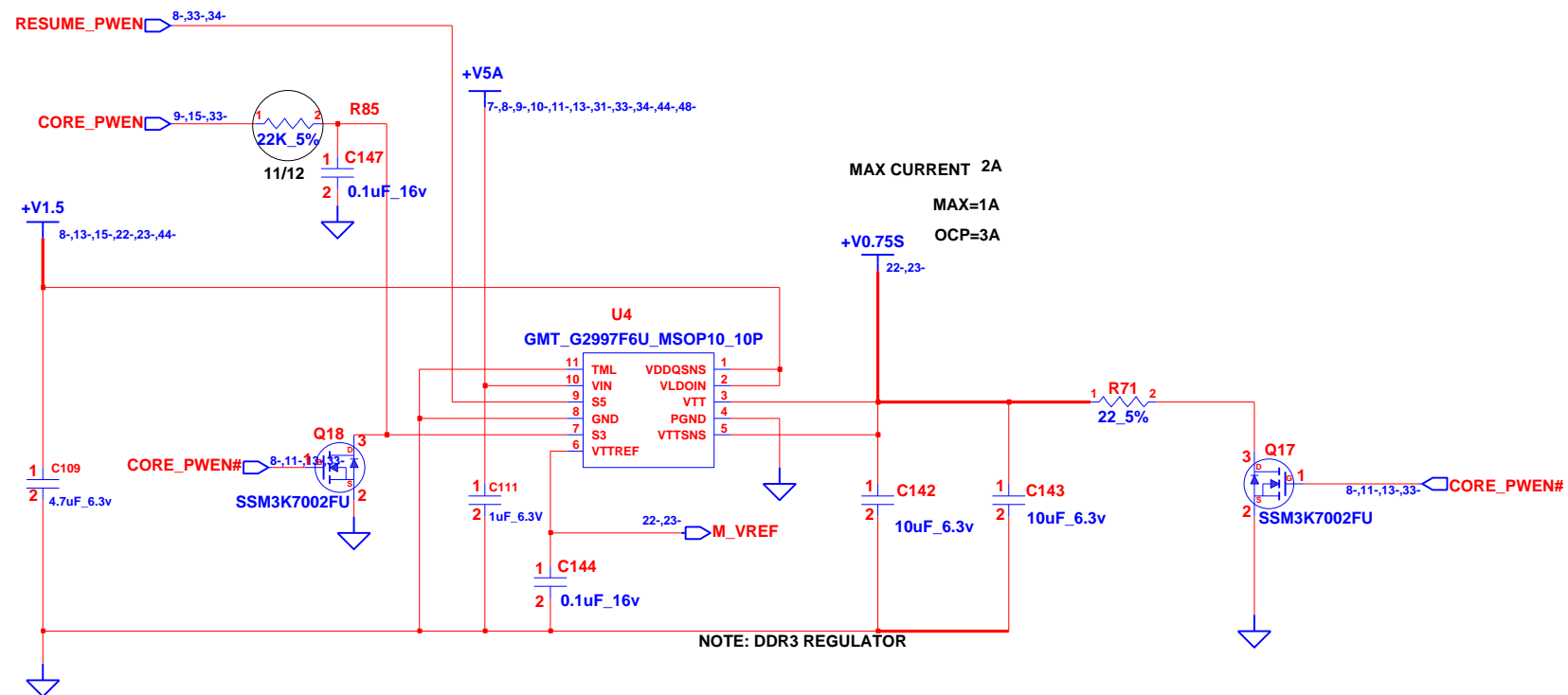
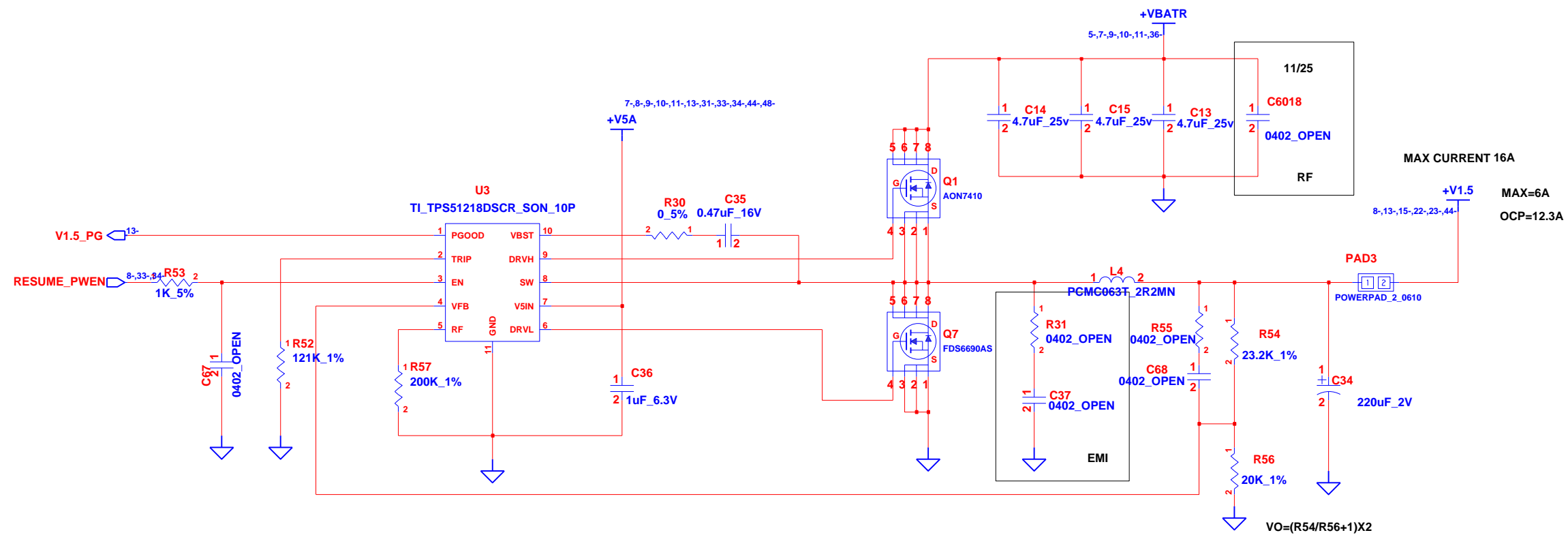
CHANGE by	FRODOI	30-Jul-2009	SHEET 3 OF 49
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**INVENTEC**

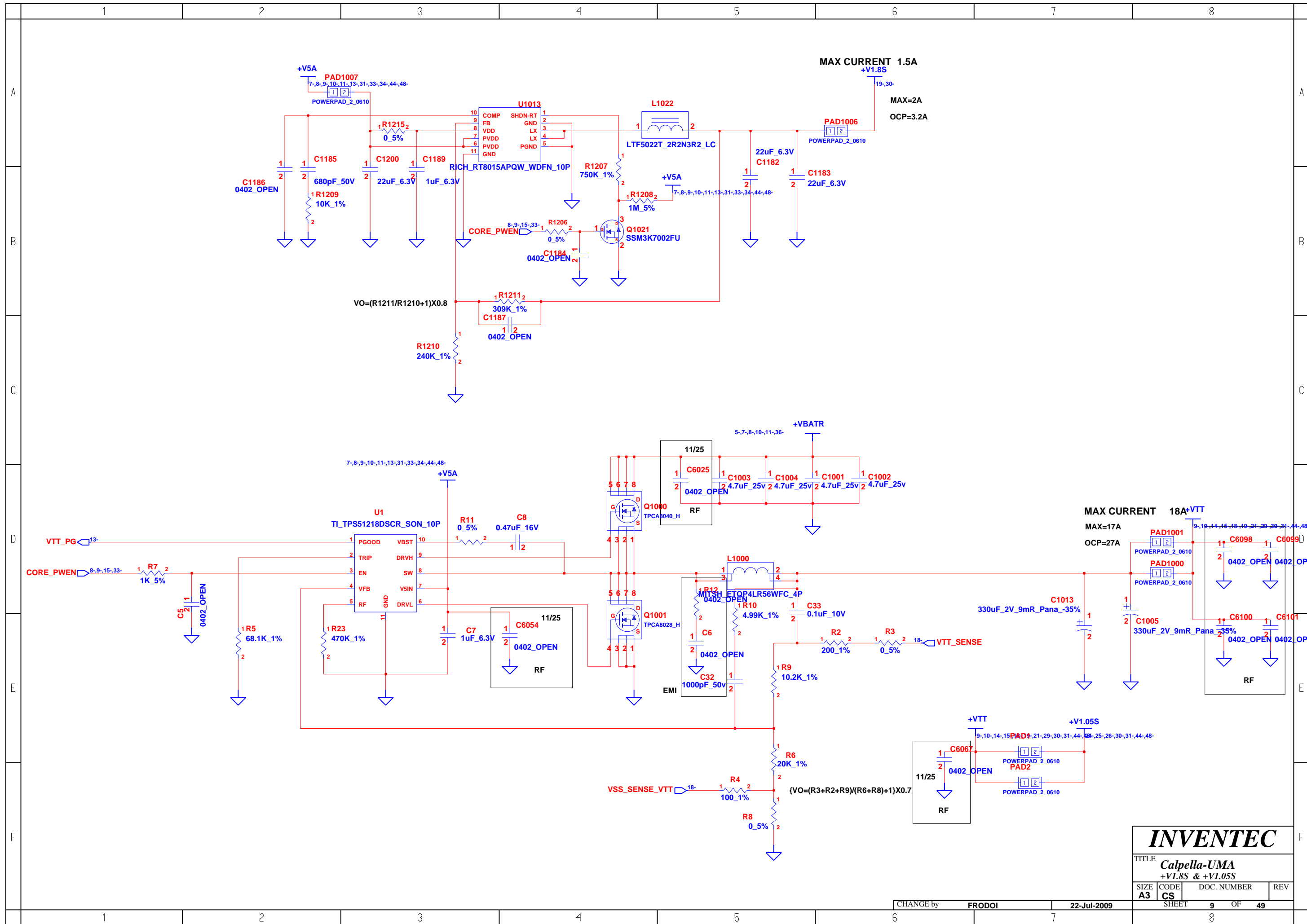
TITLE **Calpella-UMA**  
+V1.5 & +V0.75

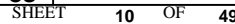
SIZE	CODE	DOC. NUMBER	REV
A3	CS		

CHANGE by **FRODOI** 30-Jul-2009

SHEET 8 OF 49









	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	

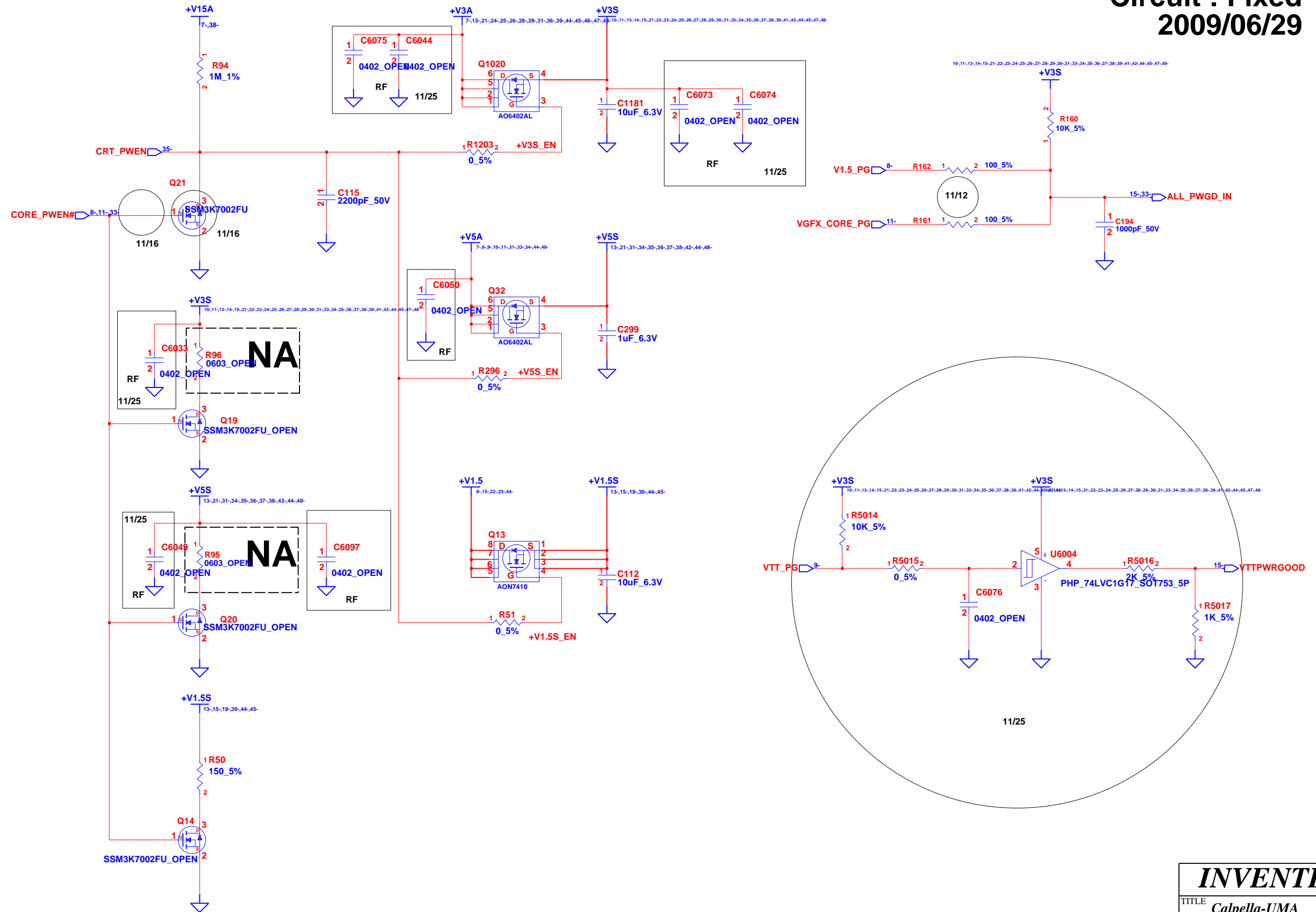
**INVENTEC**

TITLE **Calpella-UMA**  
*Reserve Page*

SIZE	CODE	DOC. NUMBER	REV
A3	CS	SHEET 12 OF 49	

CHANGE by **FRODOI** 23-Jul-2009

**Circuit : Fixed**  
**2009/06/29**



***INVENTEC***

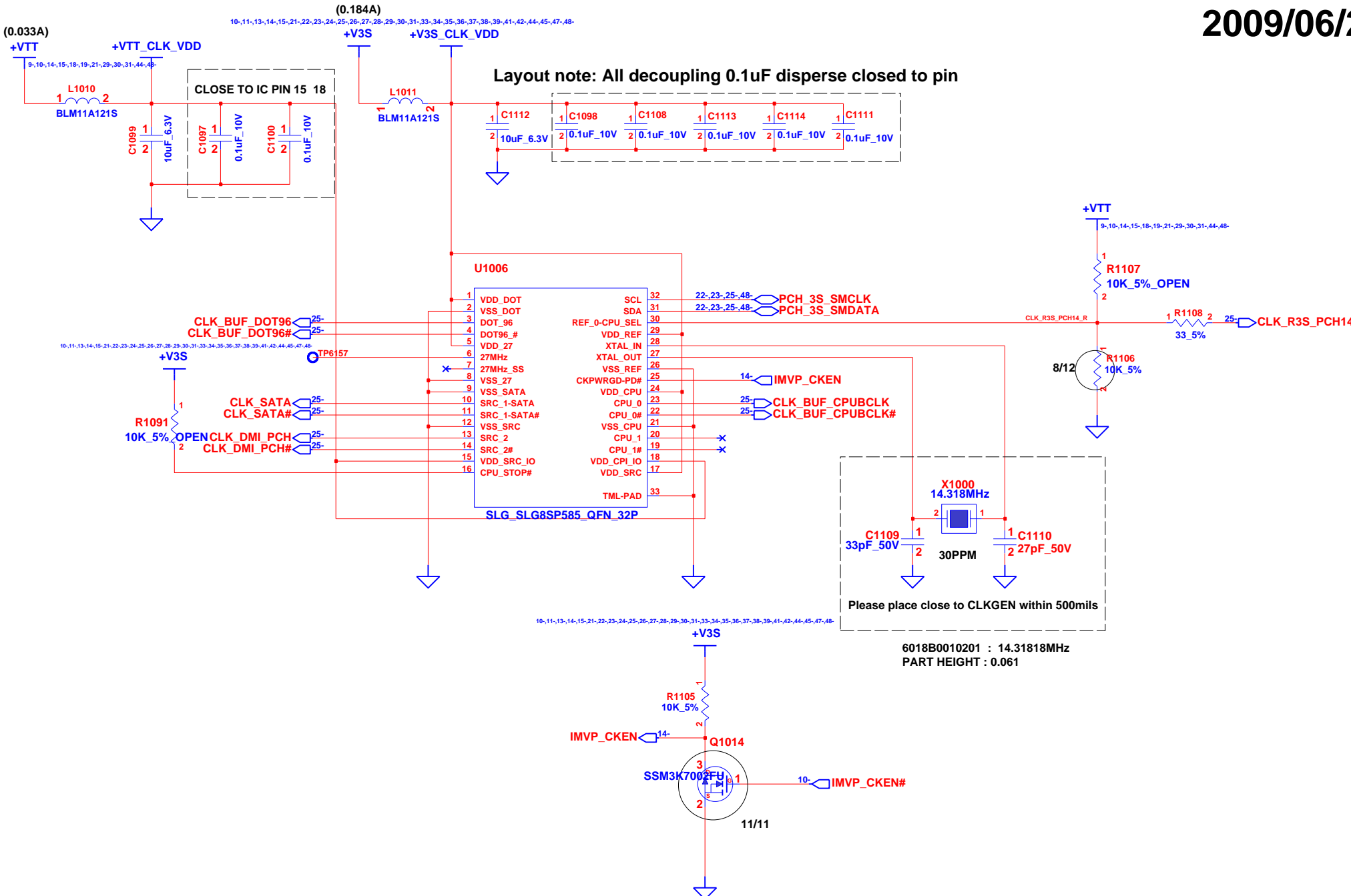
TITLE	<b><i>Calpella-UMA</i></b> <b>+V5S &amp; +V3S</b>
-------	--

SIZE <b>A3</b>	CODE <b>CS</b>	DOC. NUMBER	REV
SHEET 13 OF 49			

CHANGE by	FRODOI	18-Jun-2009
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# Circuit : Fixed

2009/06/29

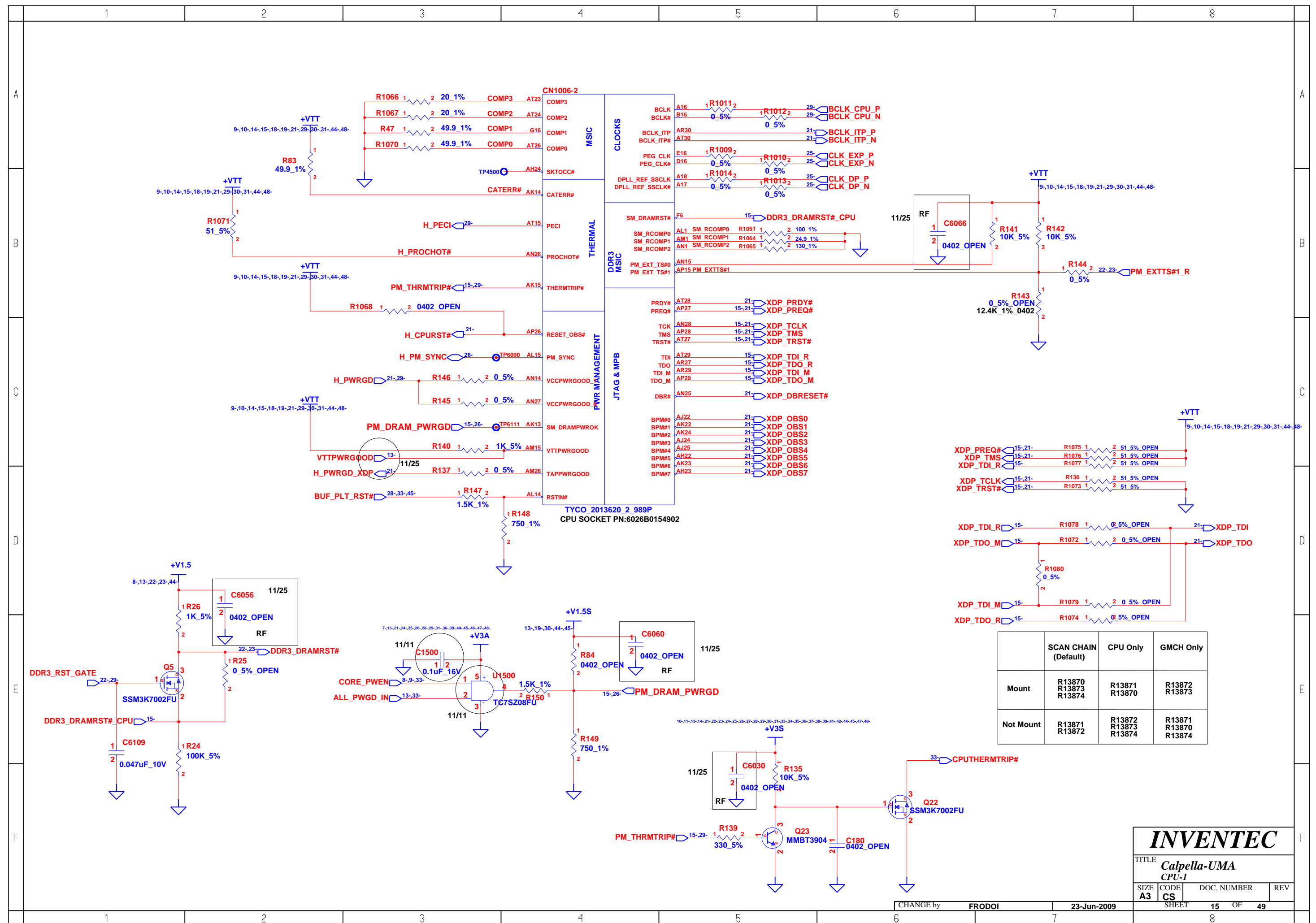


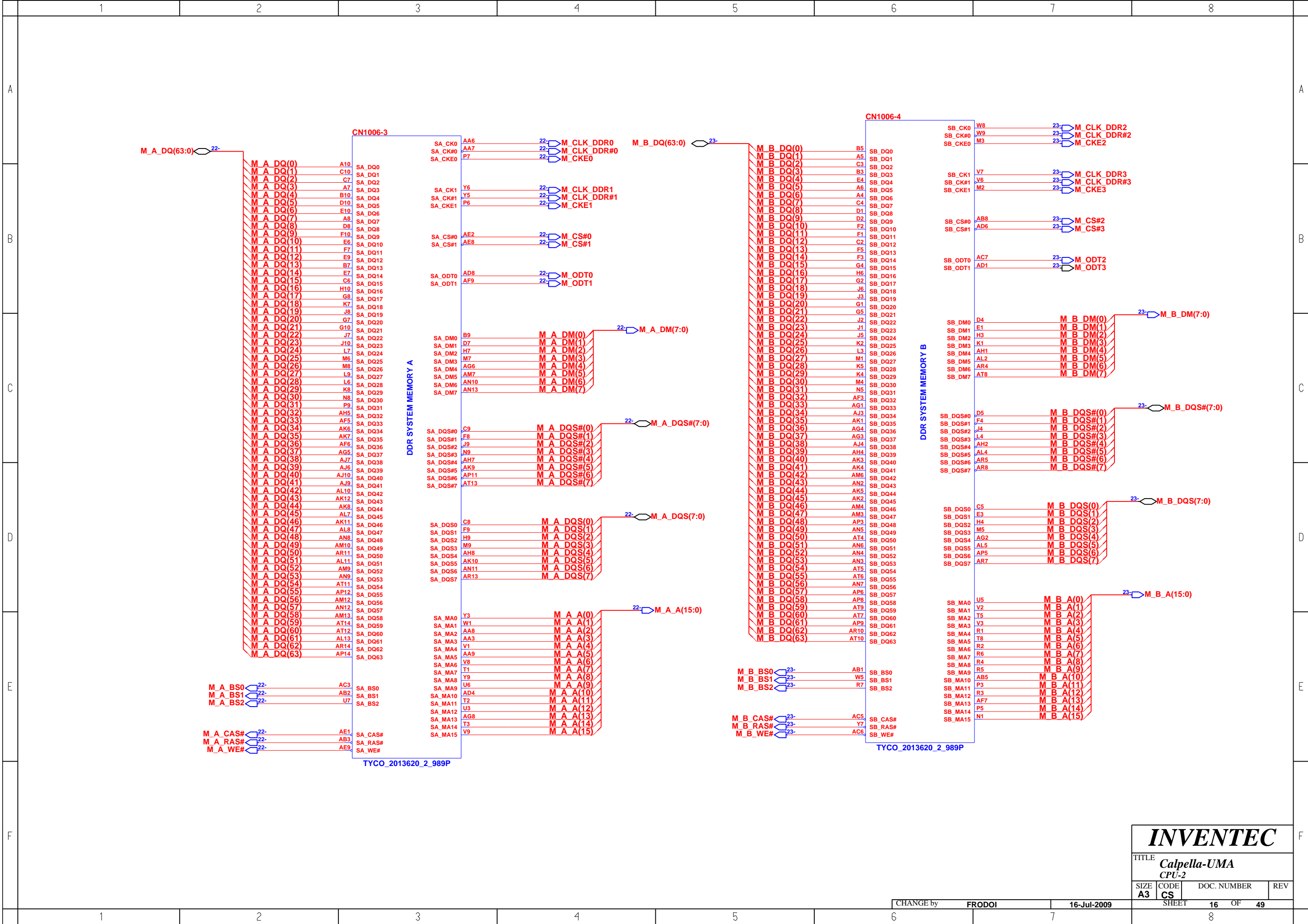
# INVENTEC

TITLE	<b><i>Calpella-UMA CLK GEN</i></b>
-------	--

SIZE <b>A3</b>	CODE <b>CS</b>	DOC. NUMBER	REV
SHEET		14	OF 49

CHANGE by	FRODOI	18-Jun-2009
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INVENTEC

TITLE  
Calpella-UMA  
CPU-2

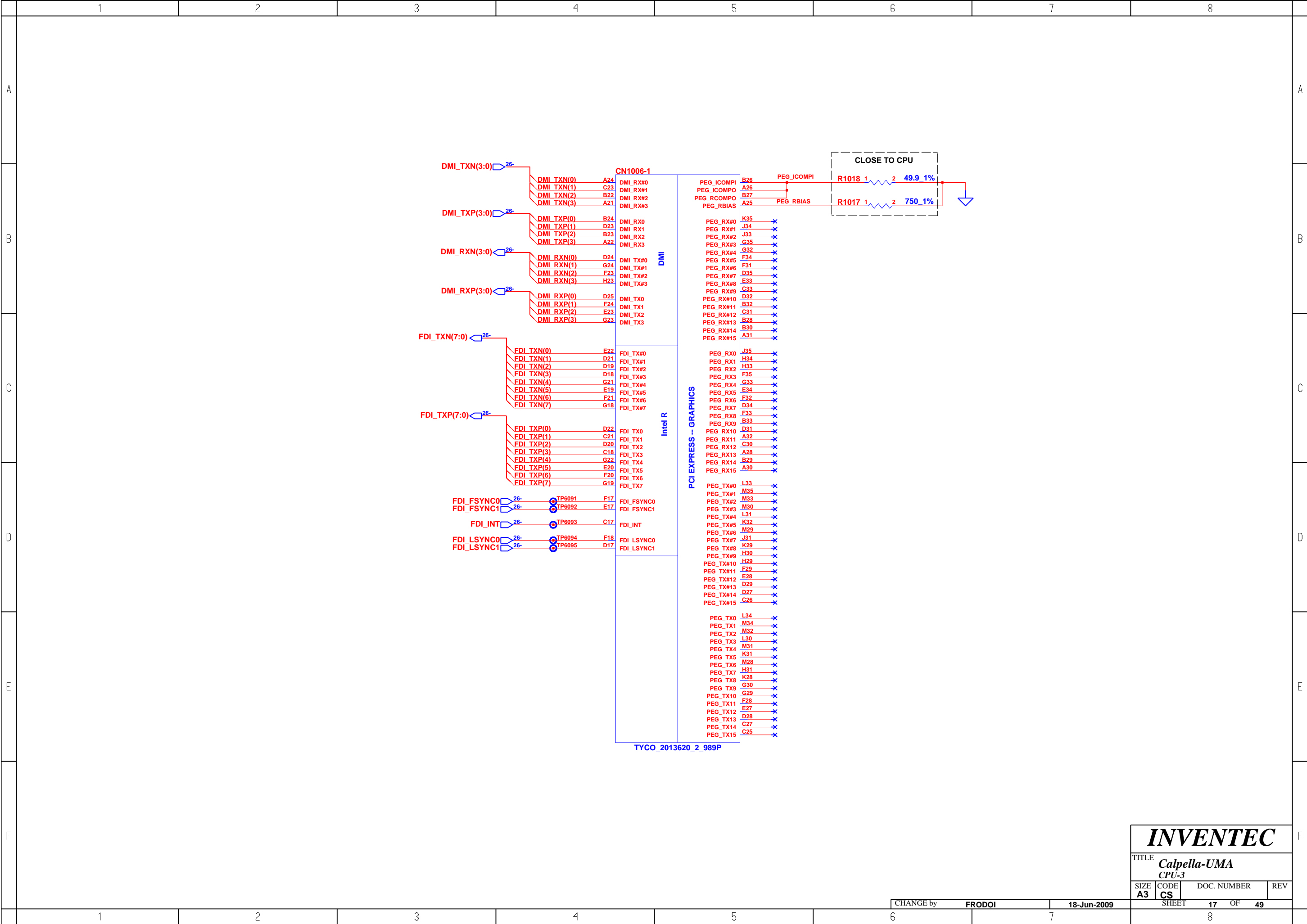
SIZE	CODE	DOC. NUMBER	REV
A3	CS	16 OF 49	

CHANGE by FRODOI

16-Jul-2009

SHEET 16 OF 49





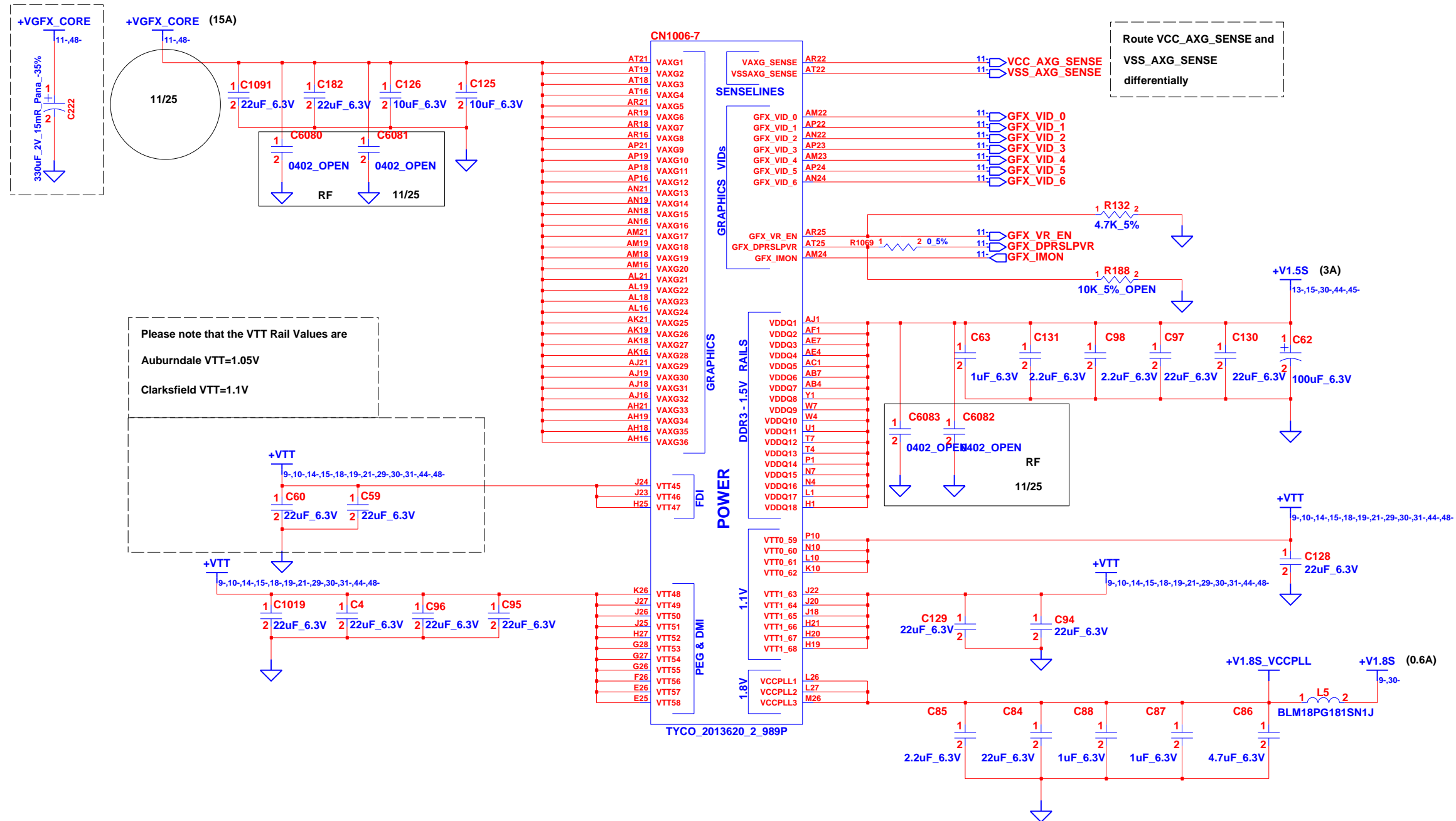
INVENTEC

TITLE  
Calpella-UMA  
CPU-3

SIZE	CODE	DOC. NUMBER	REV
A3	CS	17 OF 49	

CHANGE by FRODOI 18-Jun-2009



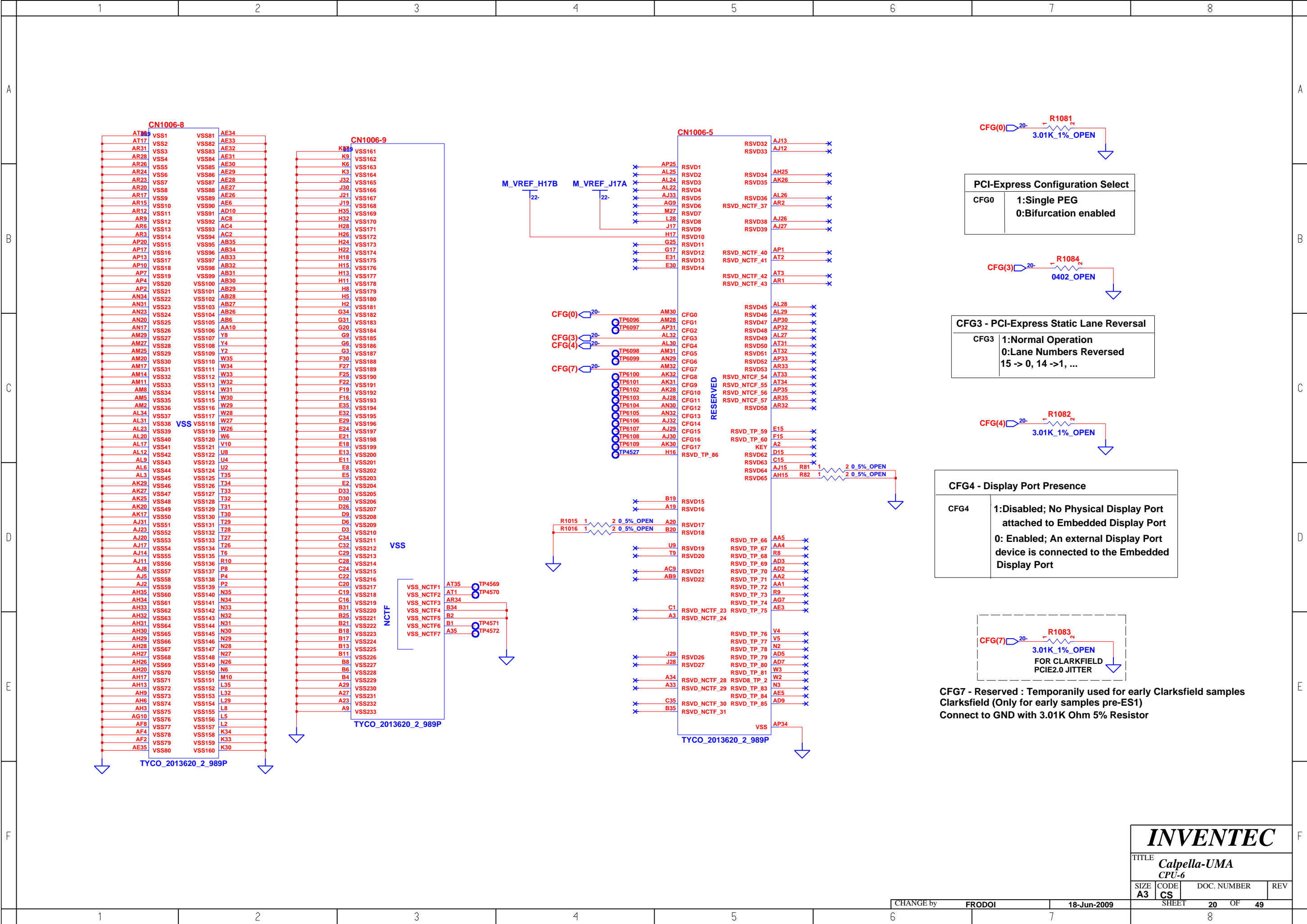


**INVENTEC**

TITLE **Calpella-UMA**  
**CPU-5**

SIZE <b>A3</b>	CODE <b>CS</b>	DOC. NUMBER	REV
SHEET		19	OF 49

CHANGE by **FRODOI** 18-Jun-2009



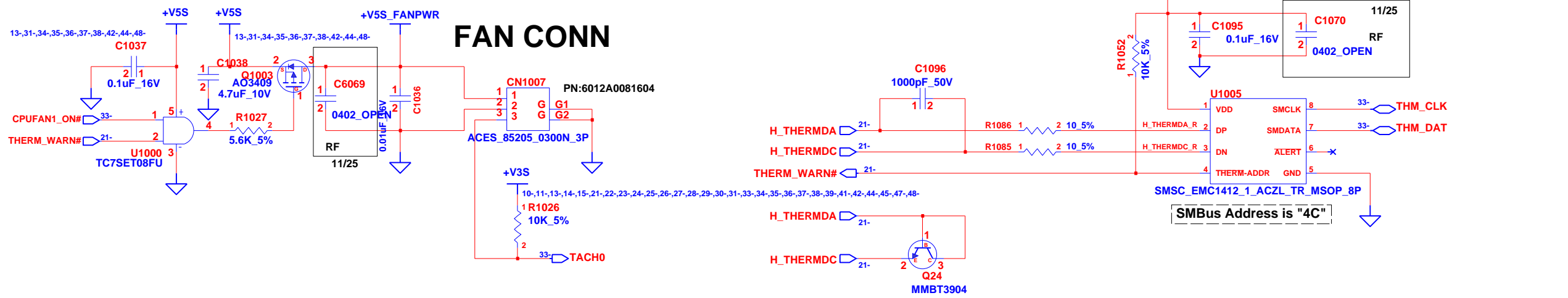
INVENTEC

TITLE  
Calpella-UMA  
CPU-6

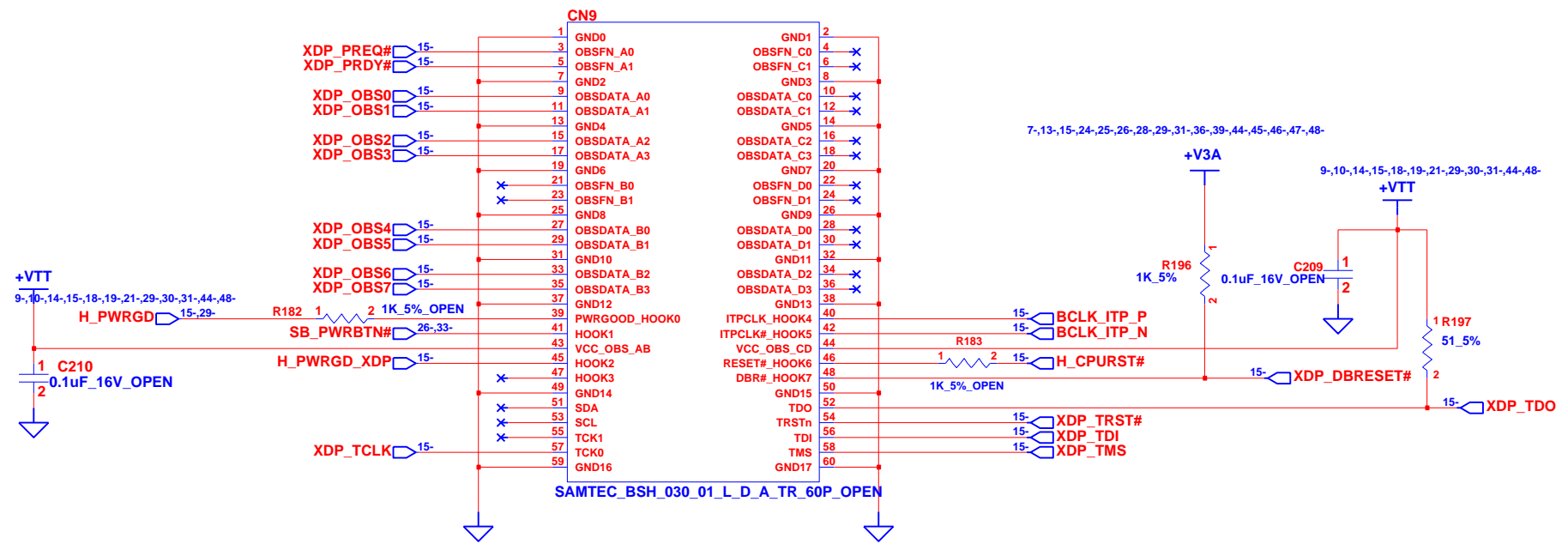
SIZE	CODE	DOC. NUMBER	REV
A3	CS	20 OF 49	

CHANGE by FRODOI 18-Jun-2009

Circuit : Fixed  
2009/06/29



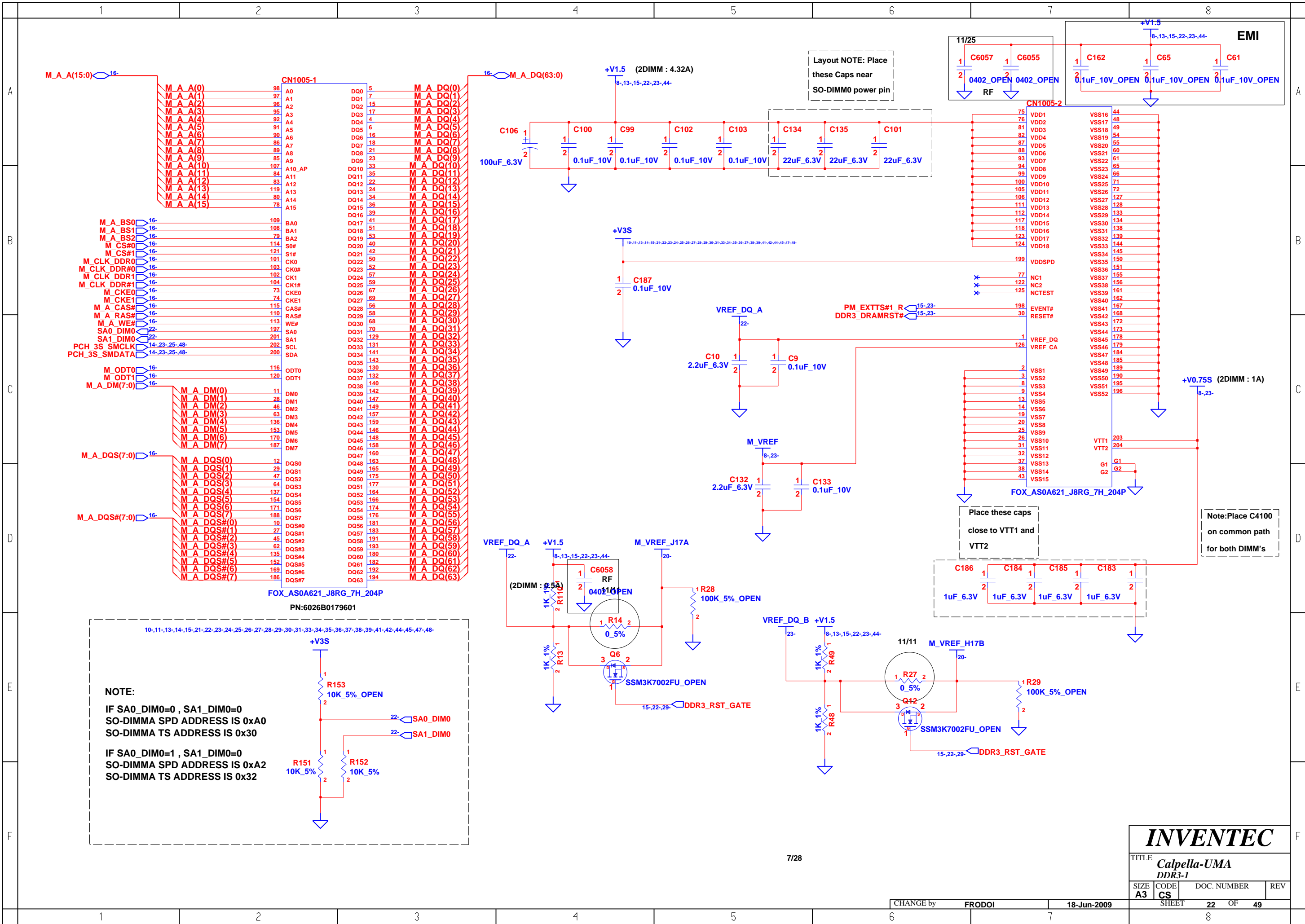
NA  
XDP CONNECTOR



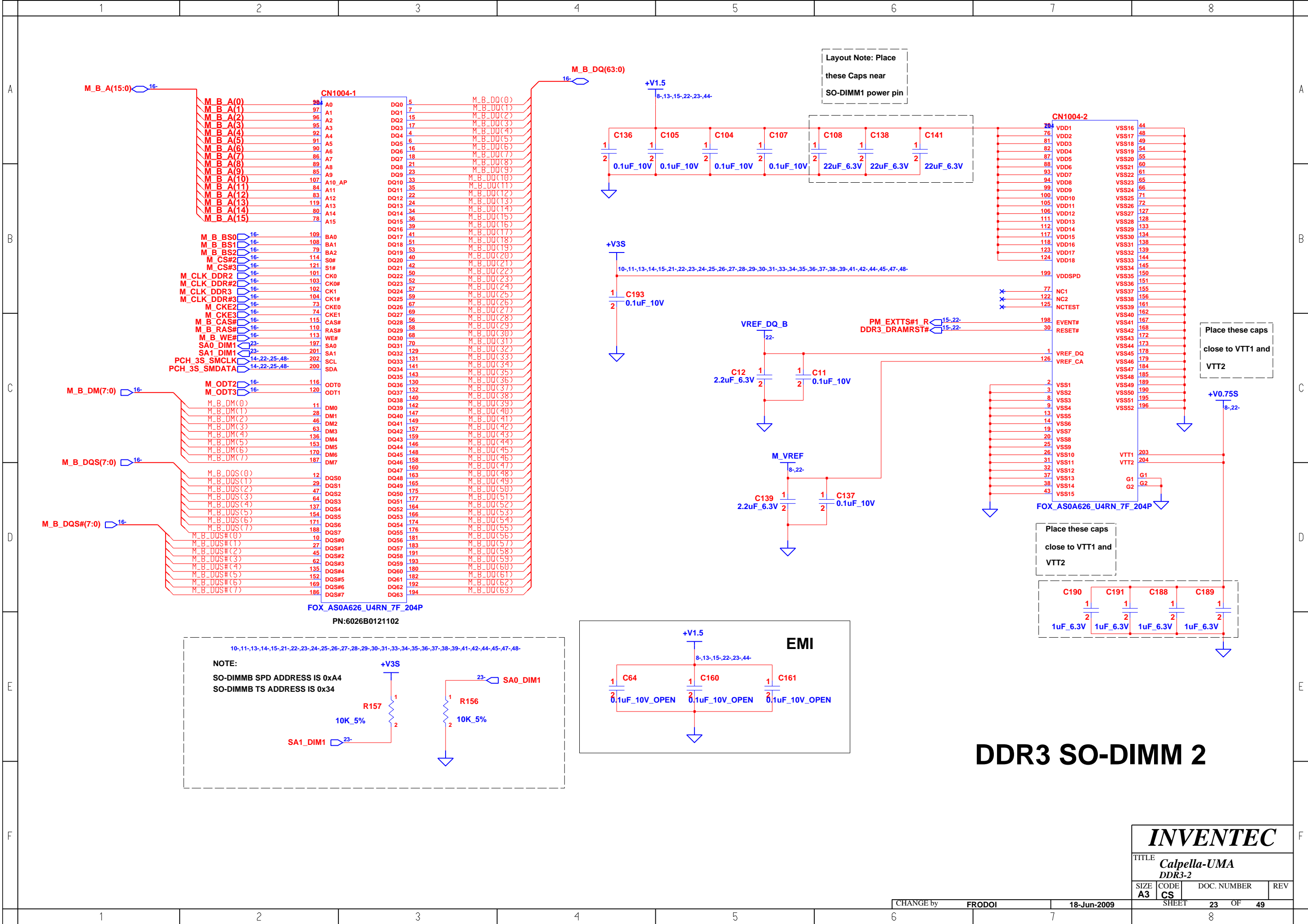
INVENTEC

TITLE			
Calpella-UMA			
Thermal, Fan & XDP			
SIZE	CODE	DOC. NUMBER	REV
A3	CS		
SHEET		21	OF 49

CHANGE by FRODOI 18-Jun-2009



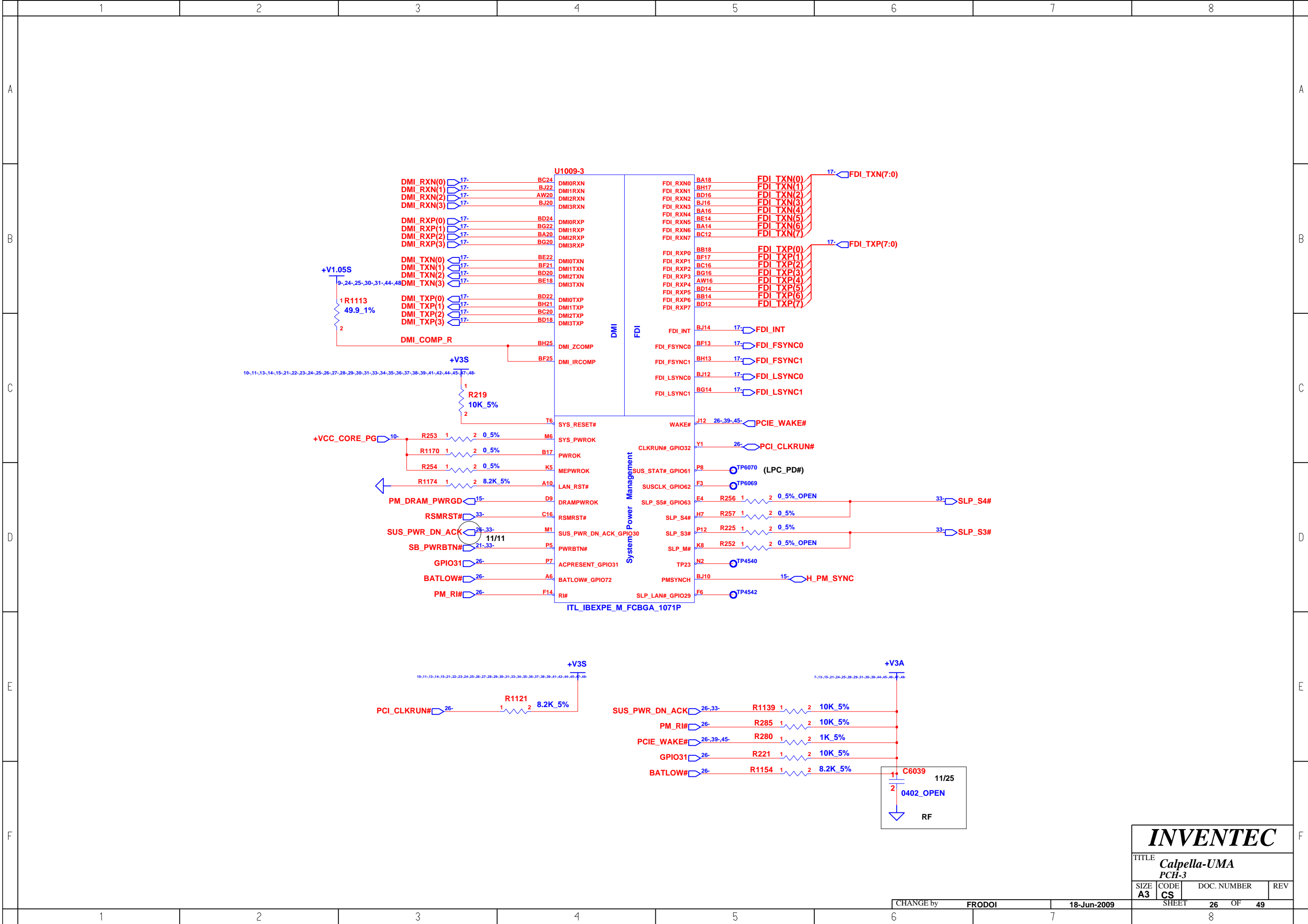












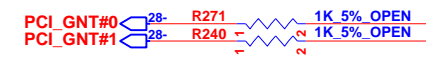
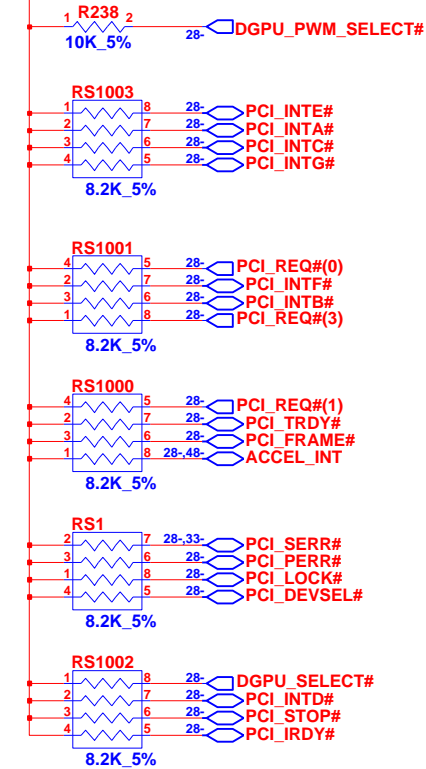
INVENTEC

TITLE Calpella-UMA  
PCH-3

SIZE	CODE	DOC. NUMBER	REV
A3	CS	26	49



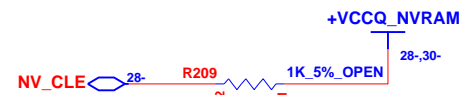
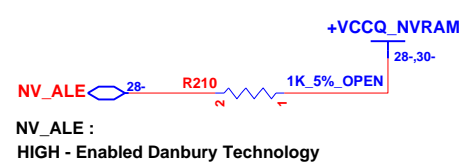
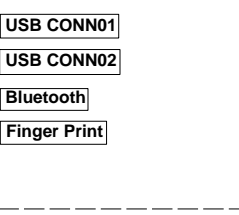
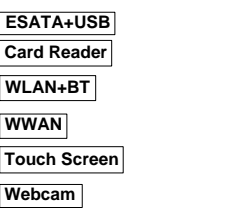
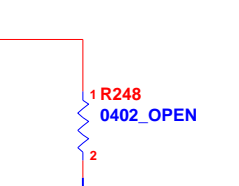
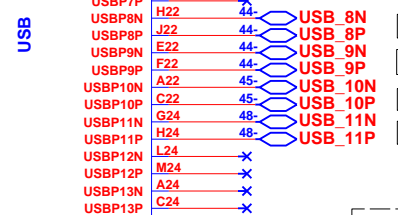
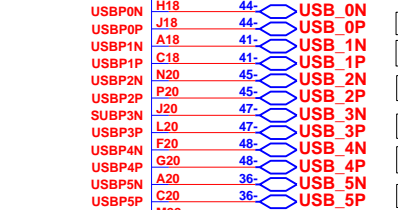
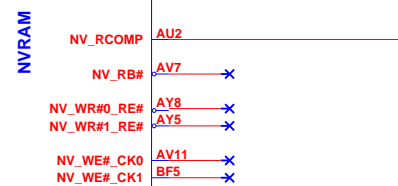
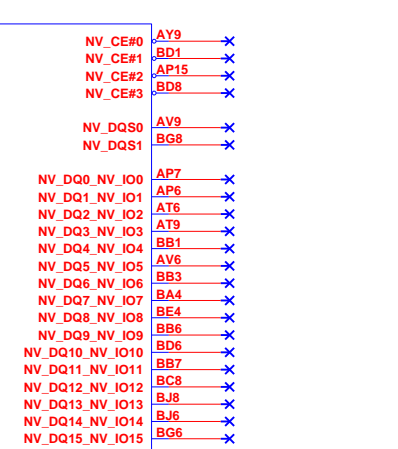
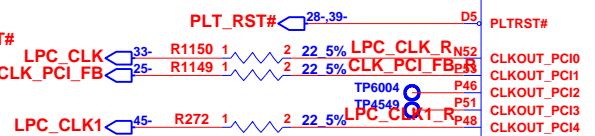
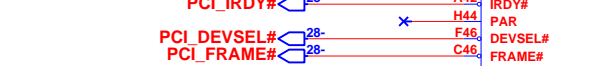
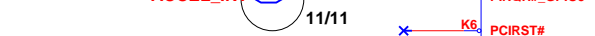
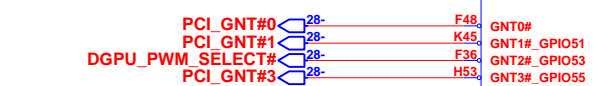
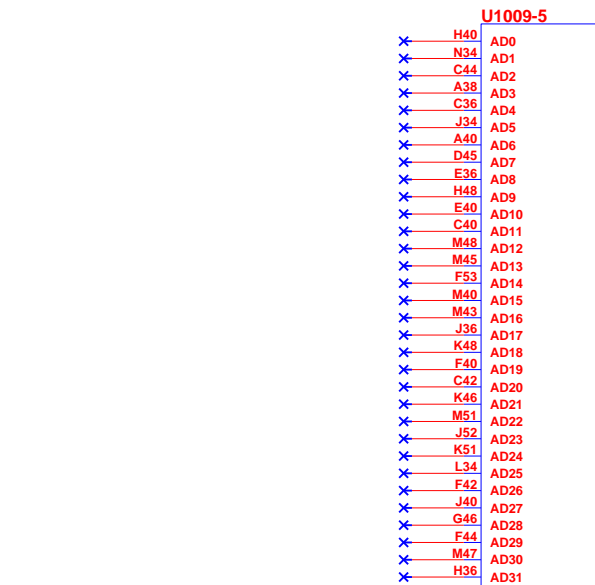
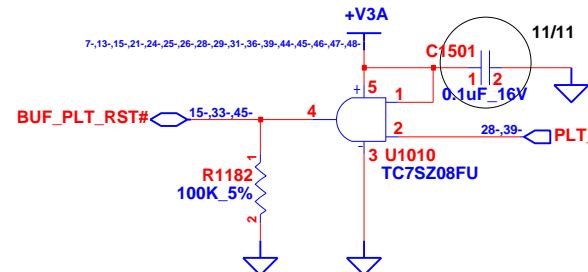
+V3S  
1,11,13,14,15,21,22,23,24,25,26,27,29,30,31,33,34,35,36,37,38,39,41,42,44,45,47,48



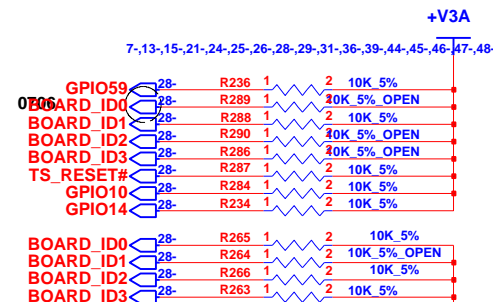
PCI_GNT#1	PCI_GNT#0	BOOT BIOS Location
0	0	LPC
0	1	Reserved (NAND)
1	0	PCI
1	1	SPI



PCI\_GNT#3 :  
LOW - A16 swap override / Top-Block Swap Override enabled



NV_CLE :	DMI Termination Voltage
	LOW - Set to Vss
	HIGH - Set to VCC



PELE BOARD ID=0010  
R265, R266, R263, R288 STUFF  
R289, R290, R286, R264 NOT STUFF

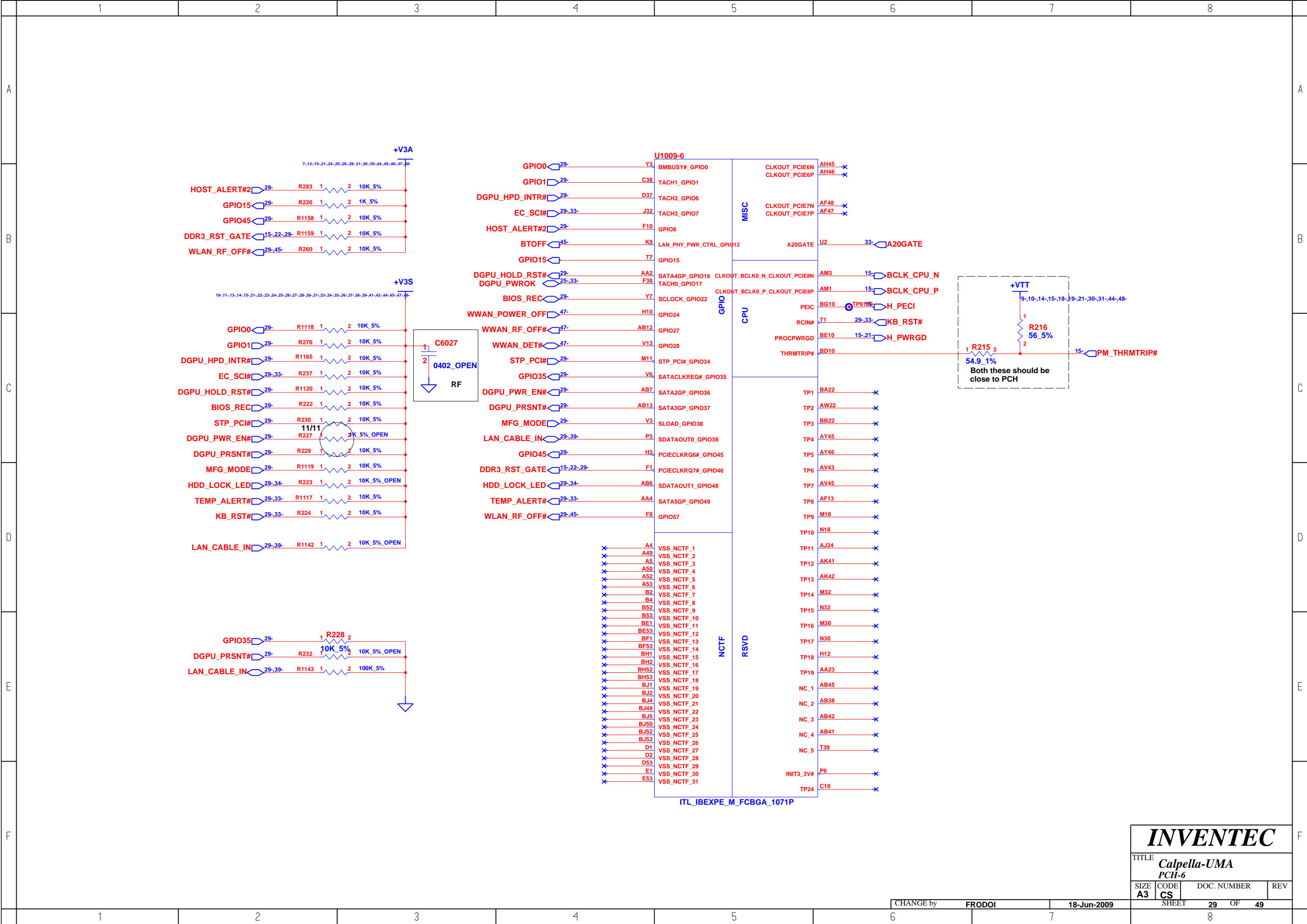


INVENTEC

TITLE Calpella-UMA  
PCH-5

SIZE	CODE	DOC. NUMBER	REV
A3	CS	28 OF 49	

CHANGE by FRODOI 18-Jun-2009

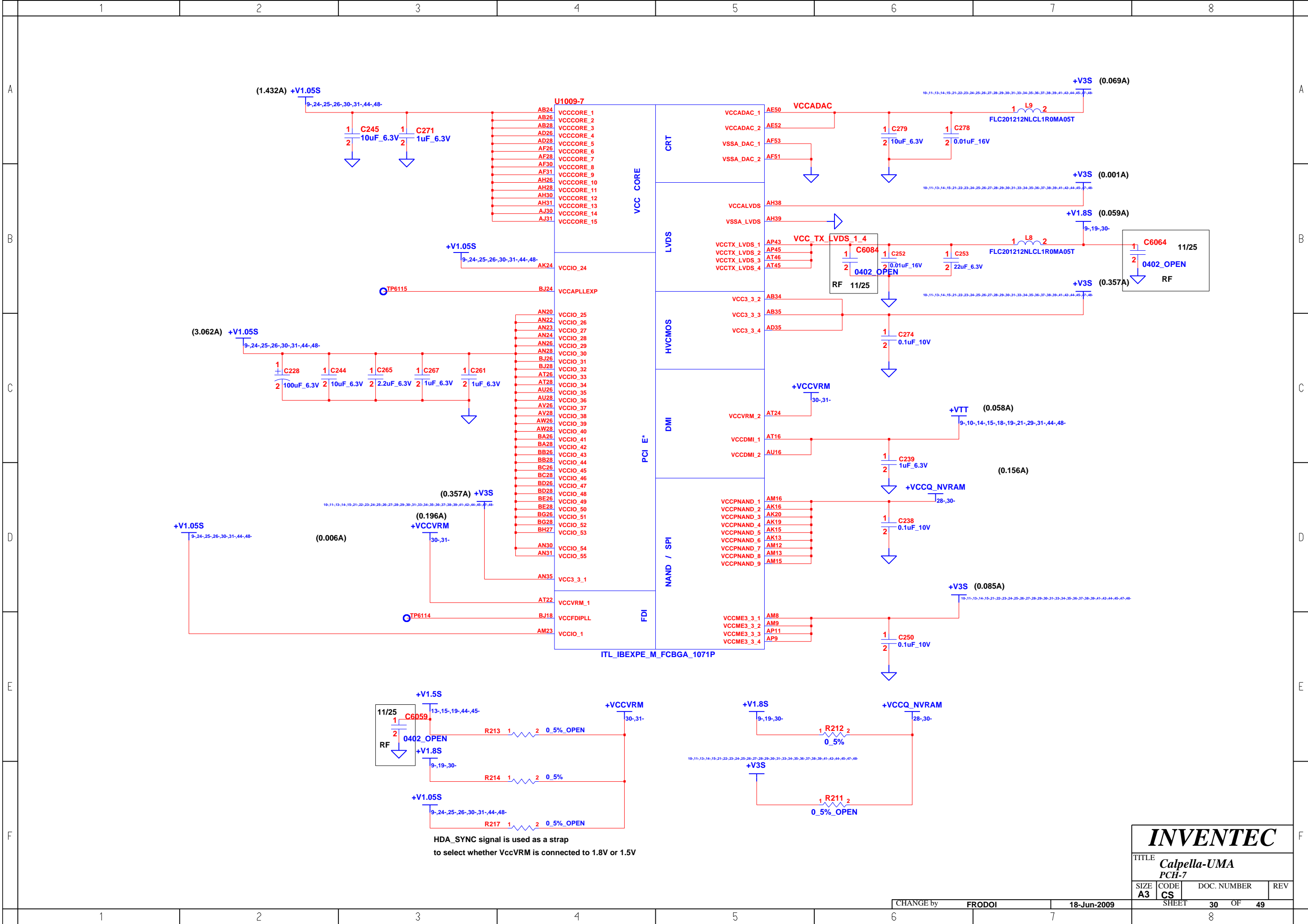


INVENTEC

TITLE  
Calpella-UMA  
PCH-6

SIZE	CODE	DOC. NUMBER	REV
A3	CS	29 OF 49	

CHANGE by FRODOI 18-Jun-2009



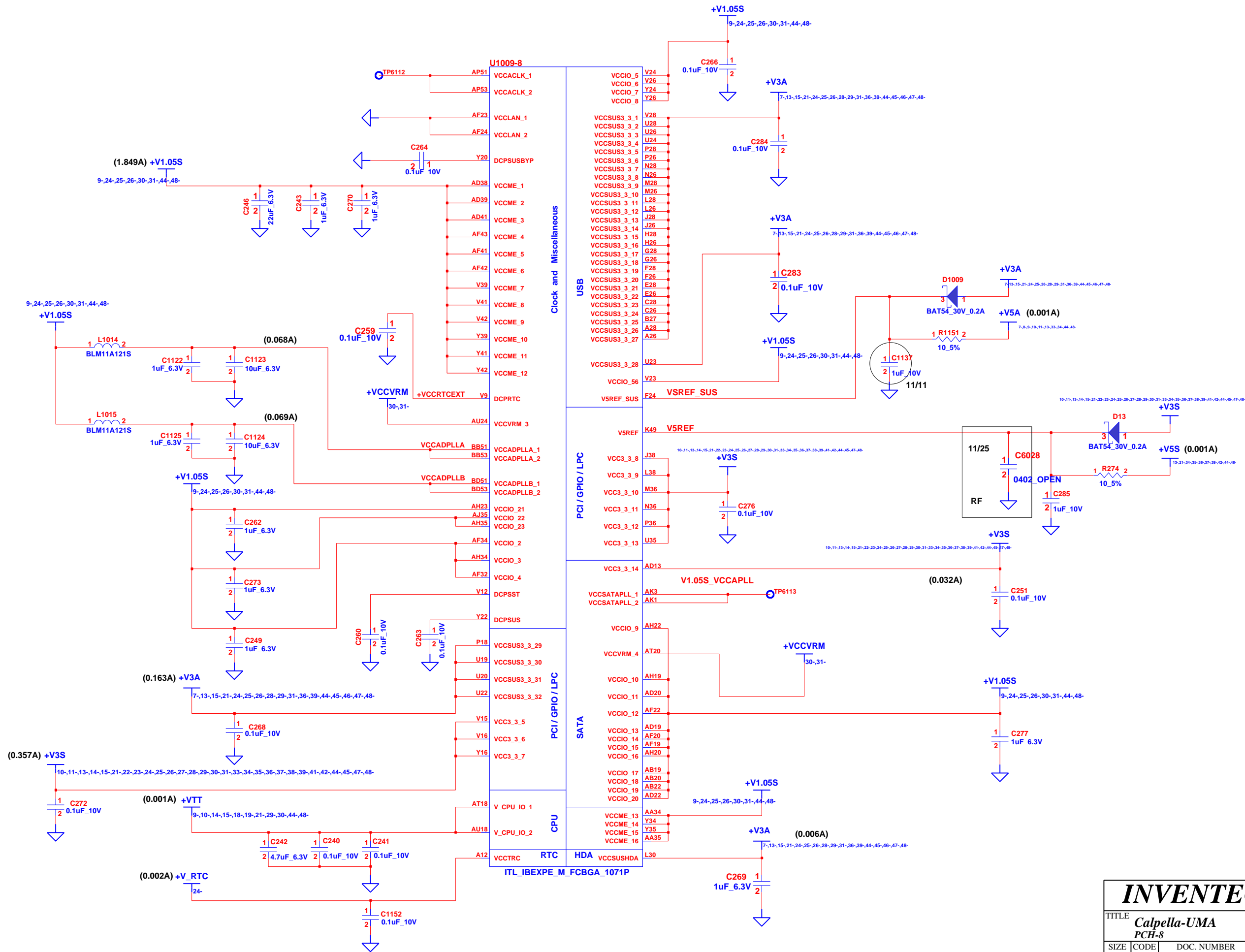
**INVENTEC**

TITLE **Calpella-UMA  
PCH-7**

SIZE	CODE	DOC. NUMBER	REV
A3	CS	30 OF 49	

CHANGE by **FRODOI** **18-Jun-2009**

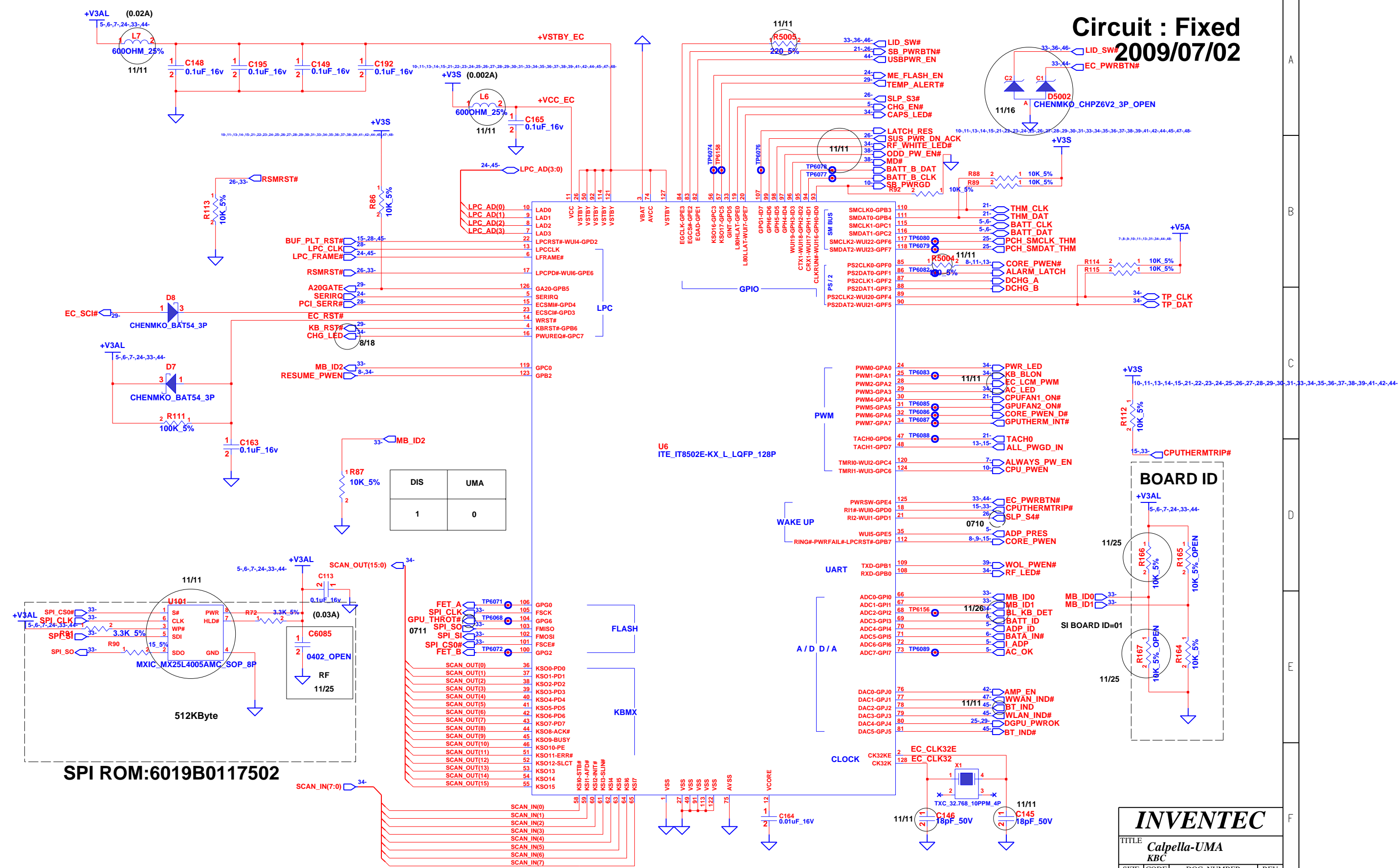








Circuit : Fixed  
2009/07/02



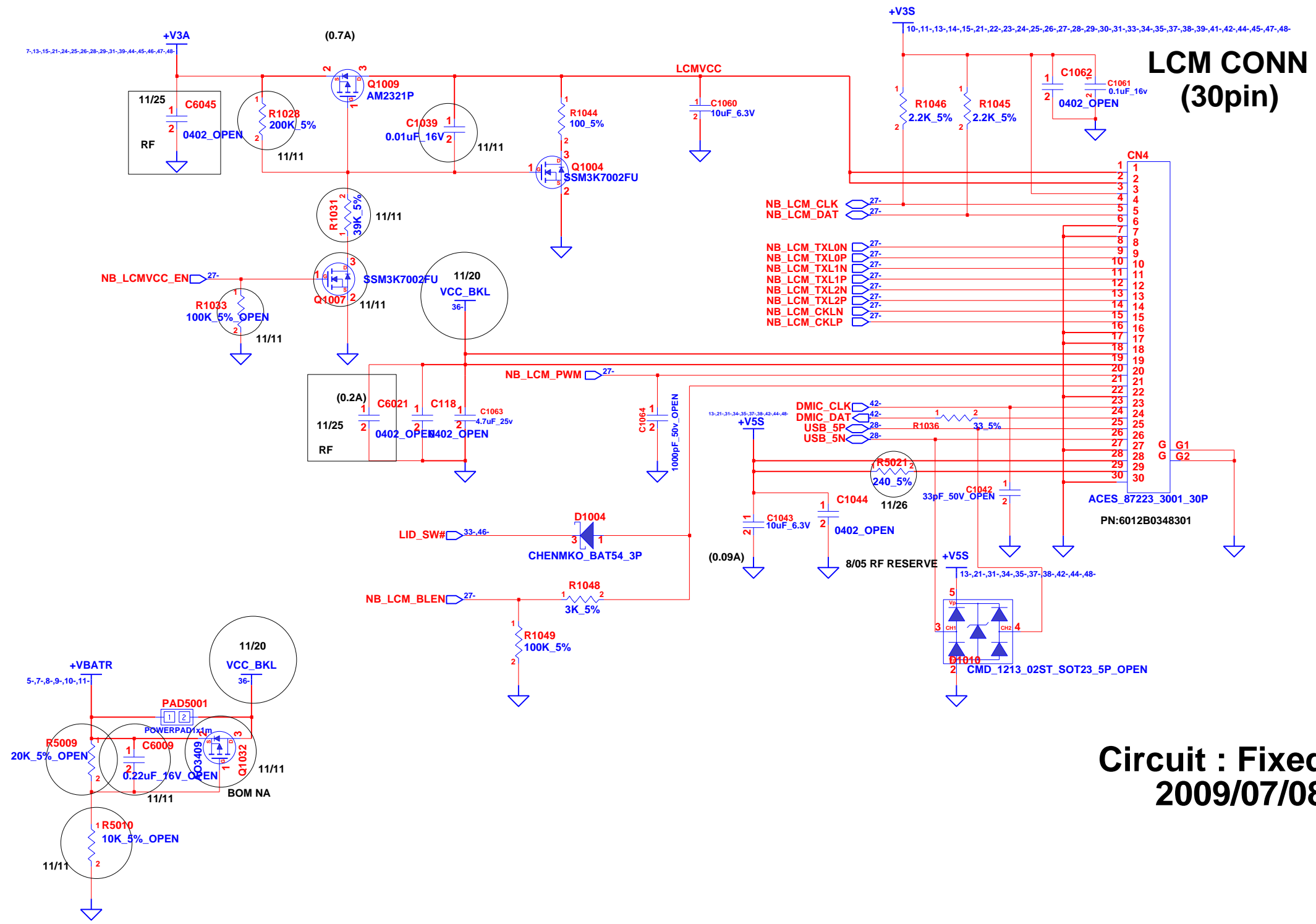
**BOARD ID**

01

INVENTEC			
TITLE Calpella-UMA			
KBC			
SIZE A3	CODE CS	DOC. NUMBER	REV
SHEET 33		OF 49	







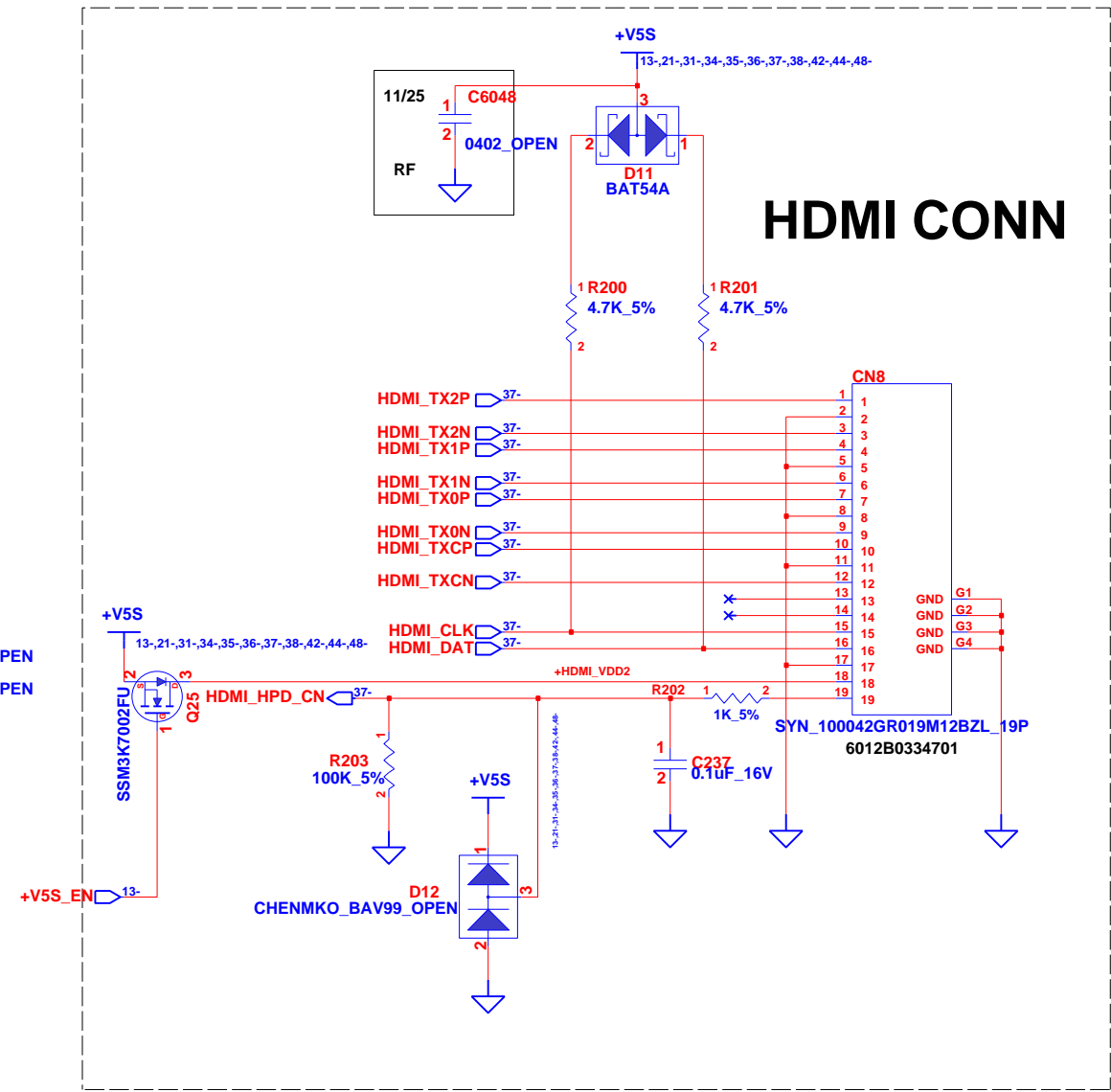
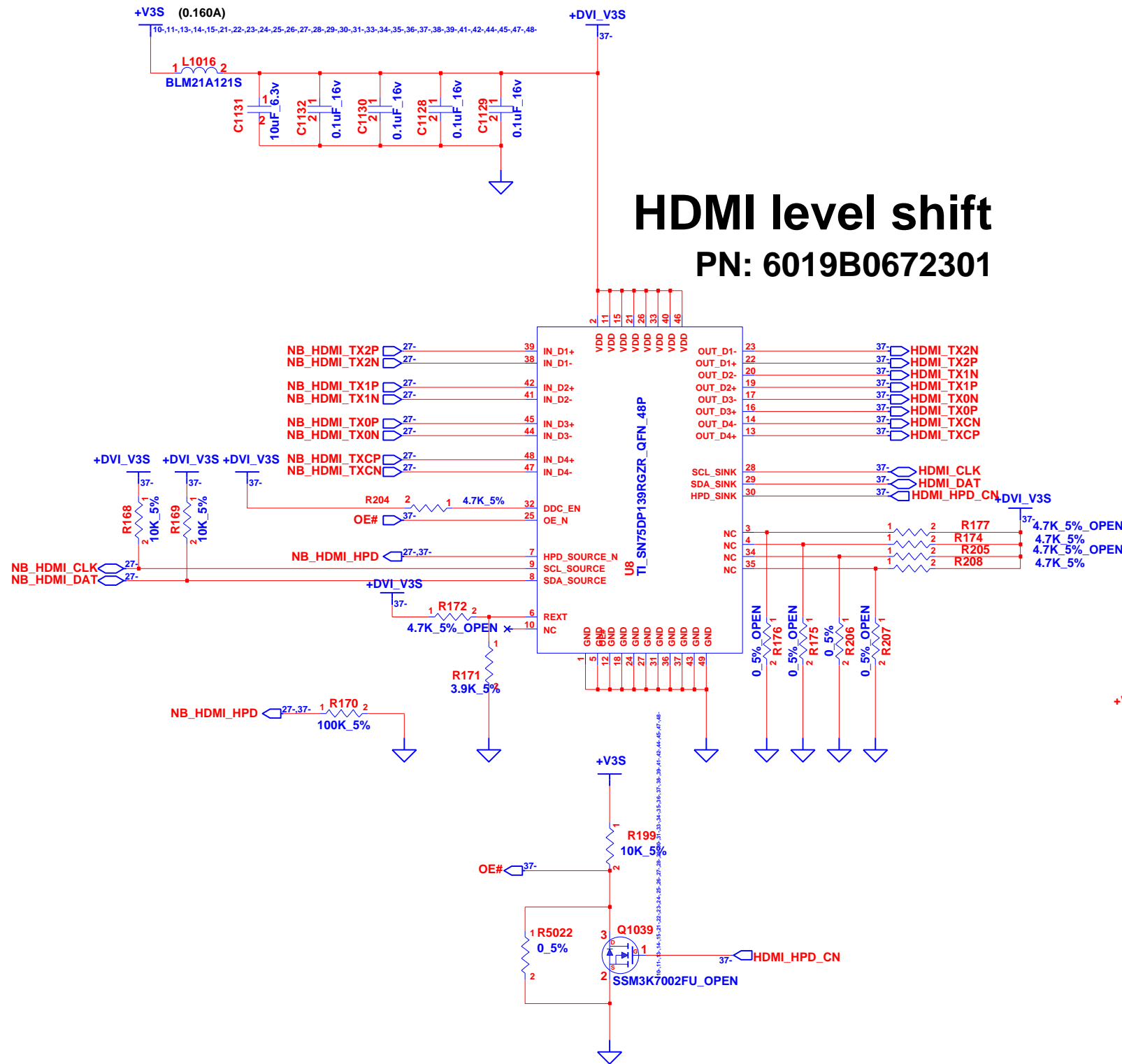
LCM CONN  
(30pin)

Circuit : Fixed  
2009/07/08

INVENTEC			
TITLE Calpella-UMA LCM			
SIZE A3	CODE CS	DOC. NUMBER	REV
SHEET 36 OF 49			

# HDMI level shift

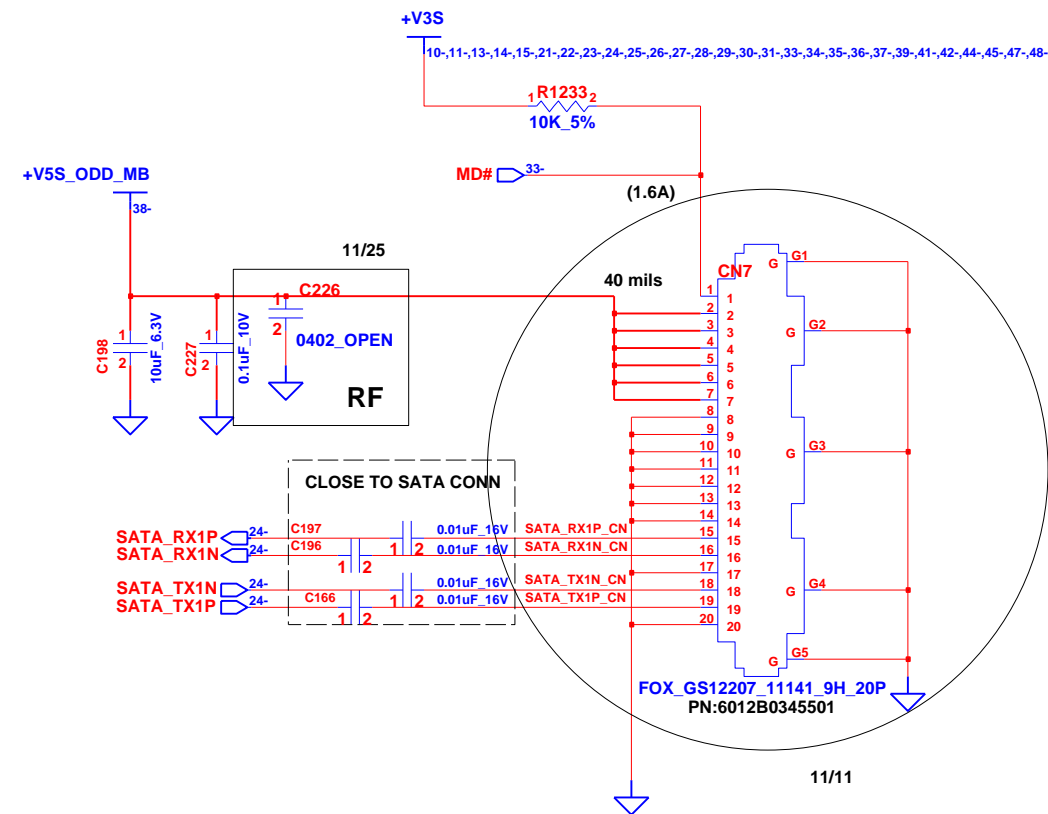
PN: 6019B0672301



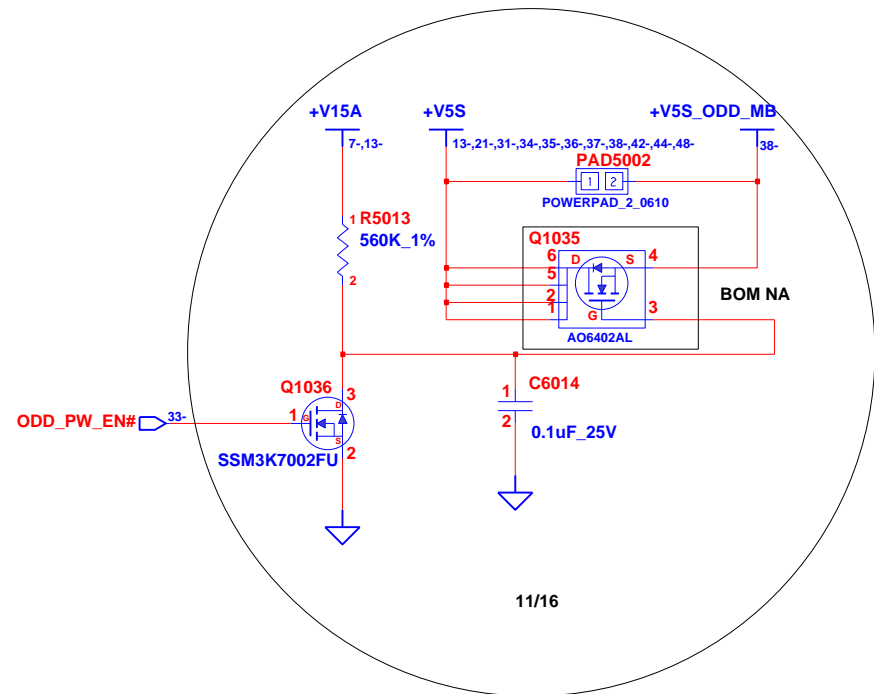
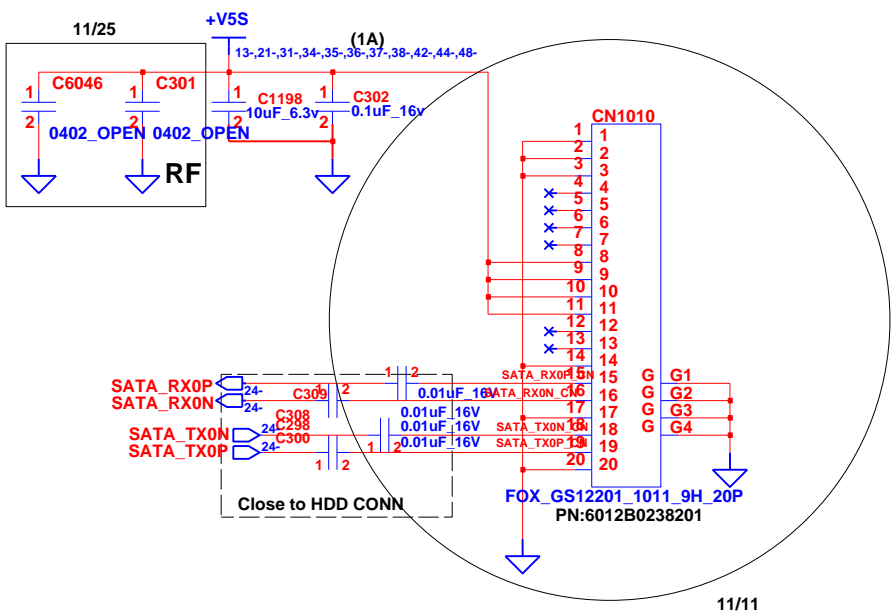
INVENTEC			
TITLE Calpella-UMA HDMI Level-Shift			
SIZE A3	CODE CS	DOC. NUMBER	REV
SHEET 37 OF 49			

CHANGE by FRODOI 18-Jun-2009

# SATA ODD FFC CONN on MB



# SATA HDD FFC CONN on MB



**INVENTEC**

TITLE **Calpella-UMA**  
**SATA HDD & ODD**

SIZE CODE DOC. NUMBER REV  
**A3 CS**

CHANGE by **FRODOI** 18-Jun-2009 SHEET **38** OF **49**







## A



## A



D

D

F

F

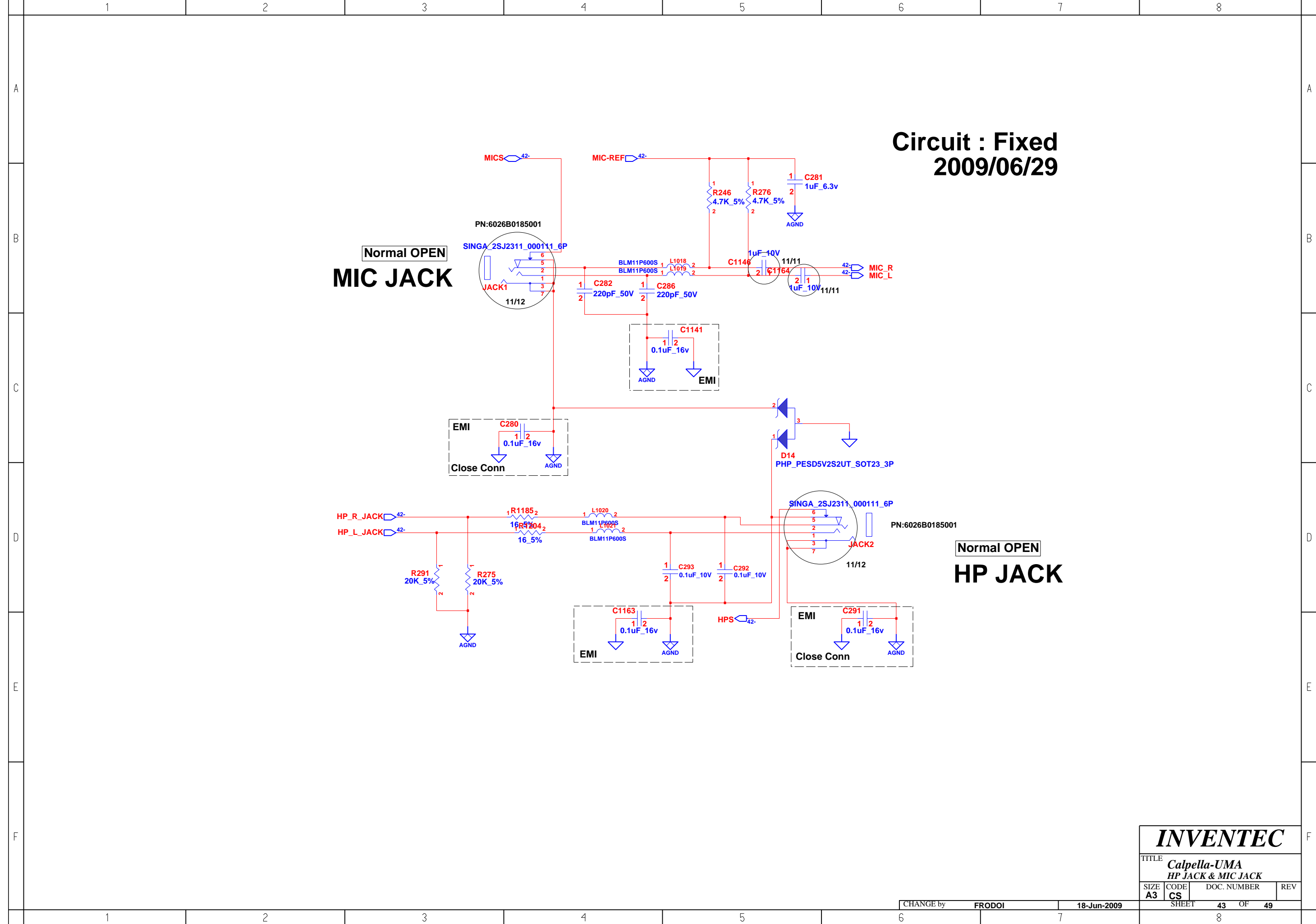
15

E

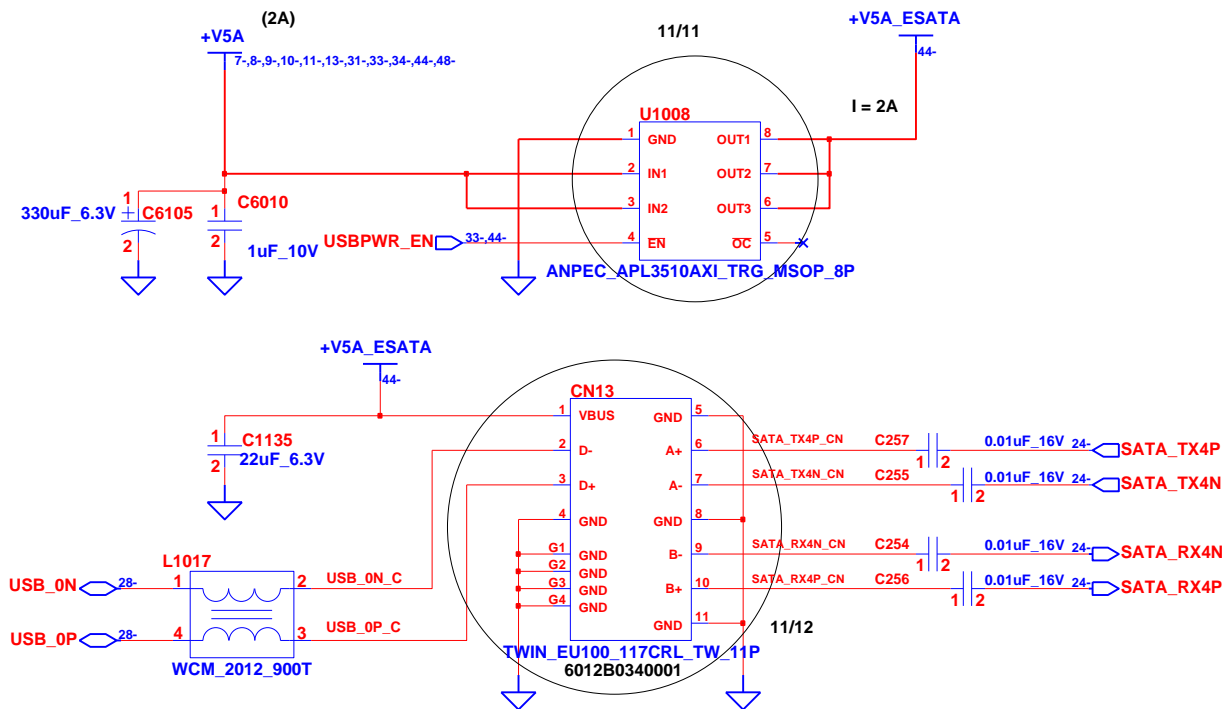
SIZE <b>A3</b>	CODE <b>CS</b>	DOC. NUMBER	REV
SHEET		41	OF 49

8

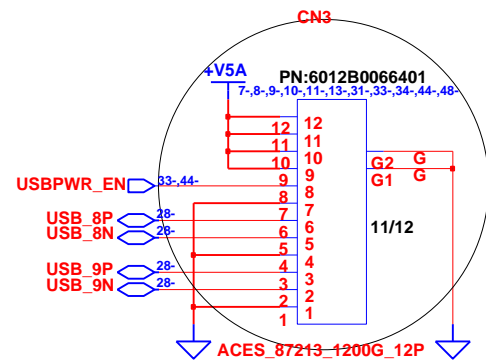




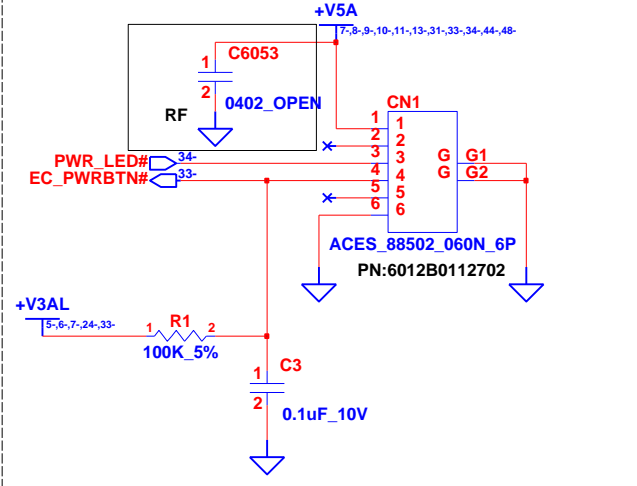
# ESATA CONN (without Re-Driver chip)



## USB BOARD Cable on MB

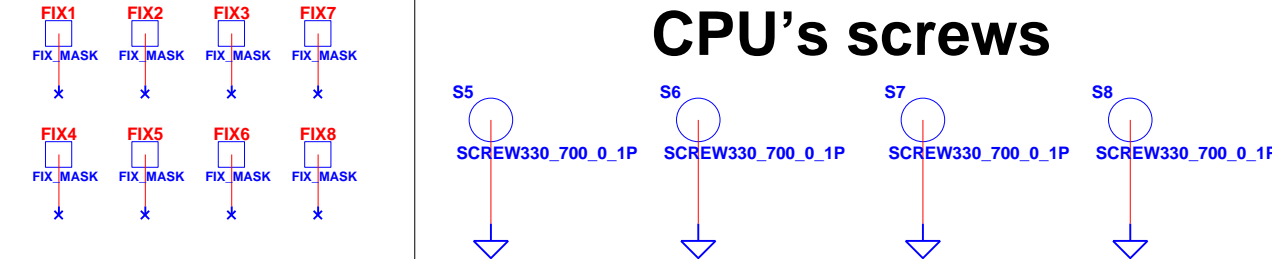


## PBN Cable CN on MB

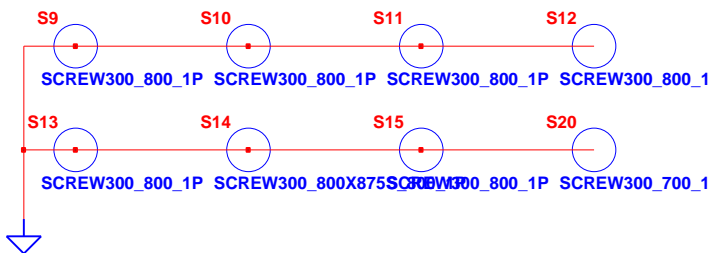


Circuit : Fixed  
2009/06/29

## CPU's screws

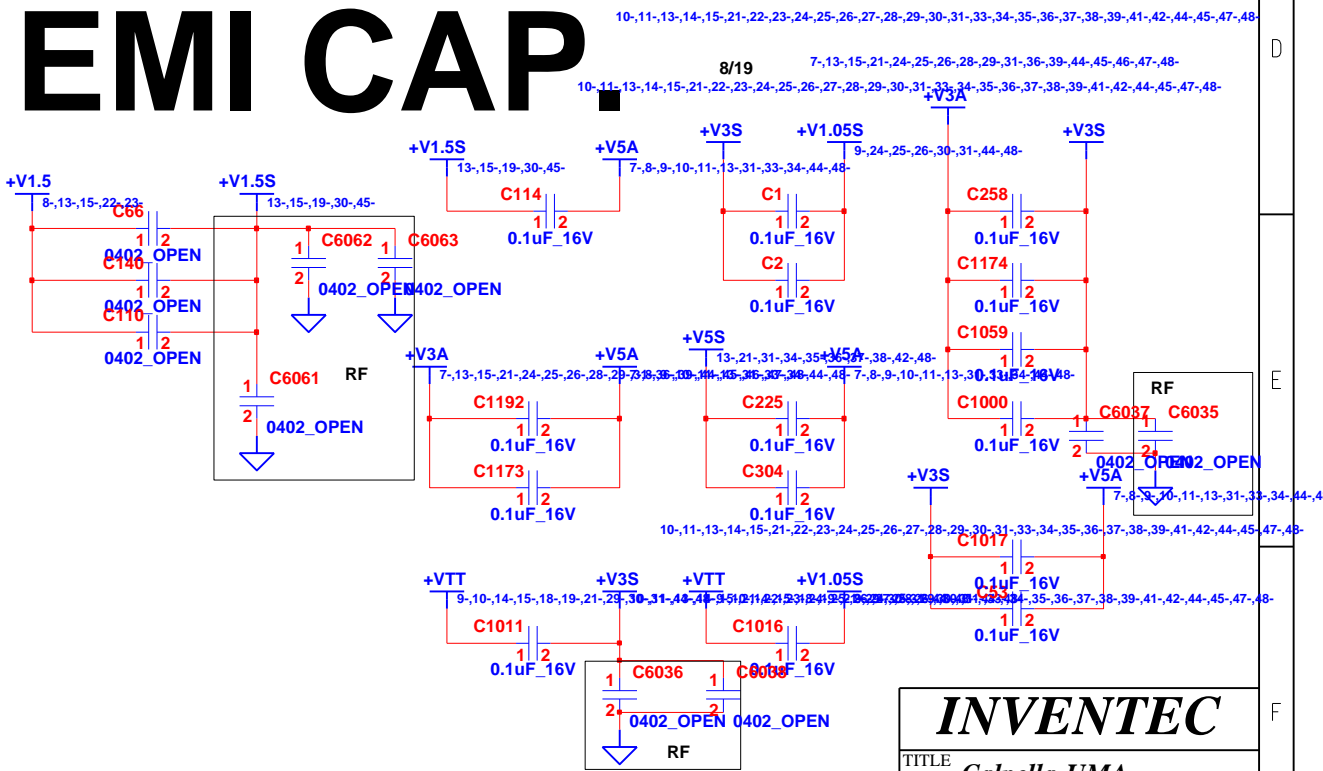


## FOR PCH



## FOR MB

# EMI CAP.

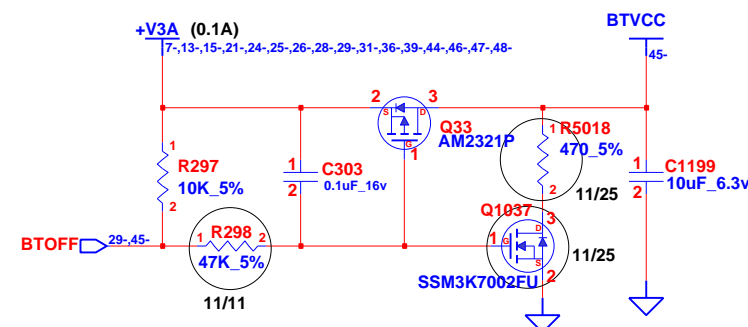


INVENTEC

TITLE Calpella-UMA  
ESATA, SCREW & LID

SIZE CODE DOC. NUMBER REV  
A3 CS 44 OF 49

CHANGE by FRODOI 18-Jun-2009

[illegible]

(1.5A)

10,11,13,14,15,21,22,23,24,25,26,27,28,29,30,31,33,34,35,36,37,38,39,41,42,44,45,47,48

+V3S

1 2 C56 1uF\_6.3v

1 2 C54 4.7uF\_6.3v

1 2 C55 0.1uF\_16v

+V1.5S (1.5A)

13,15-,19-,30-,44-,45-

1 2 C81 2.2uF\_6.3v

NA

+V3S +V3S

R69 10K\_5% R70 10K\_5%

33 33 WLAN\_IND# BT\_IND#

10,11,13,14,15,21,22,23,24,25,26,27,28,29,30,31,33,34,35,36,37,38,39,41,42,44,45,47,48

10,11,13,14,15,21,22,23,24,25,26,27,28,29,30,31,33,34,35,36,37,38,39,41,42,44,45,47,48

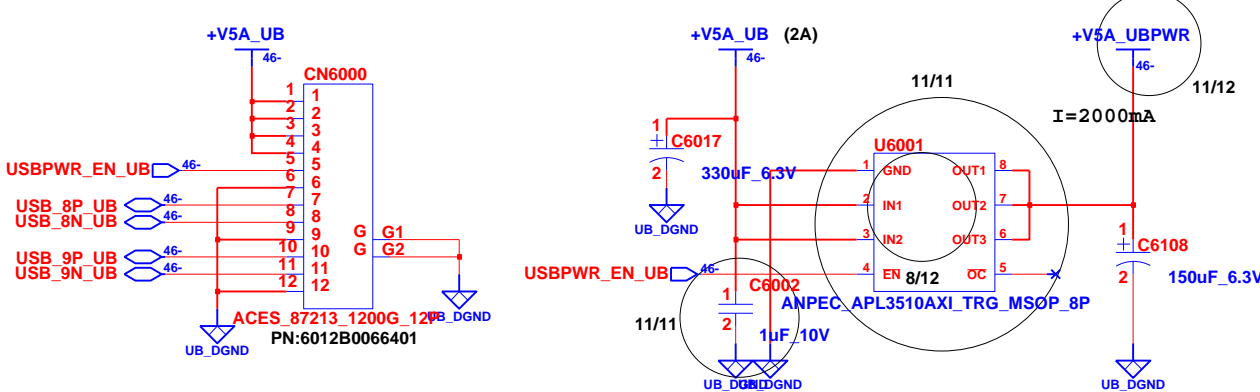
PN:6026B0085101

	PCH	SB800\820
WLAN_RF_OFF#	GPIO57	GPIO12
WLAN_POWER_OFF	GPIO35	GPIO176

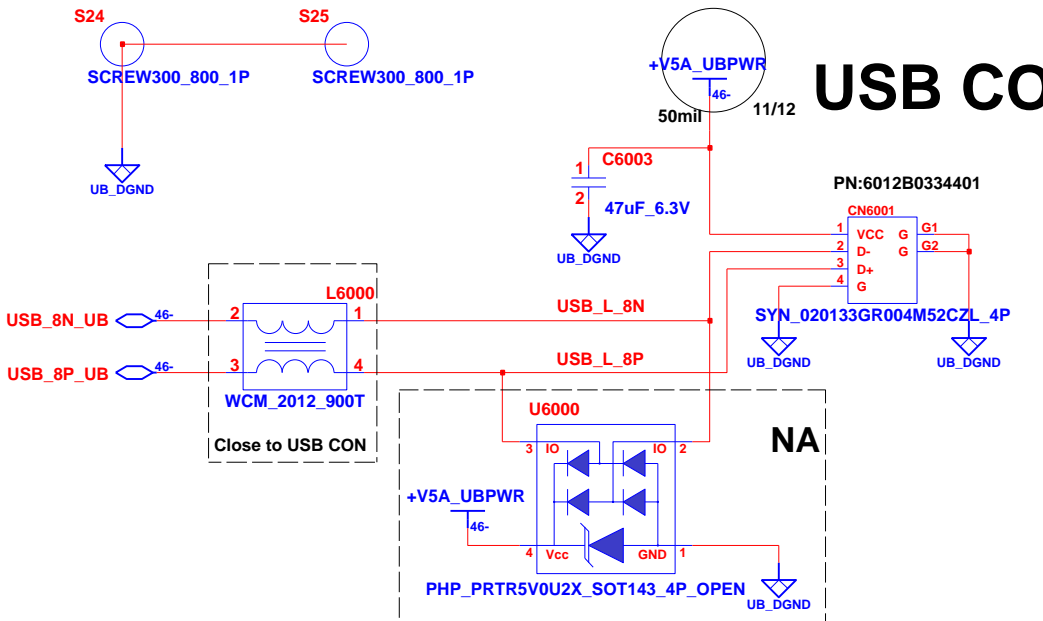
**Circuit : Fixed**  
**2009/07/08**

USB BOARD  
USB BOARD Cable ON UB

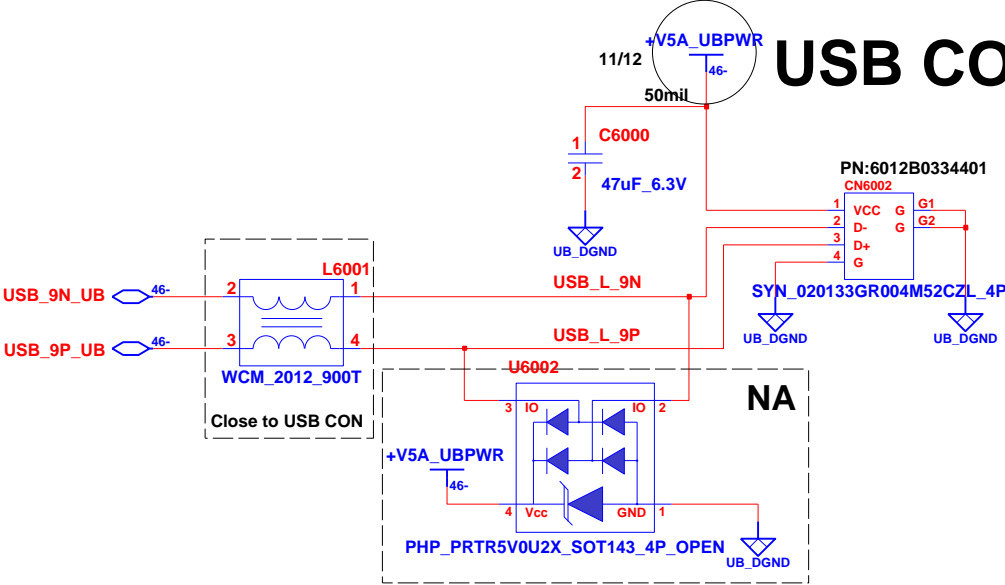
Circuit : Fixed  
2009/06/29



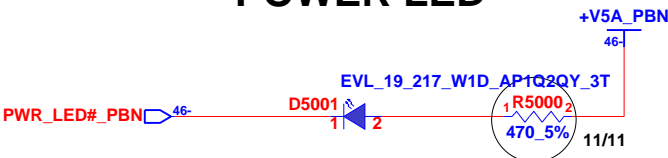
USB CONN01



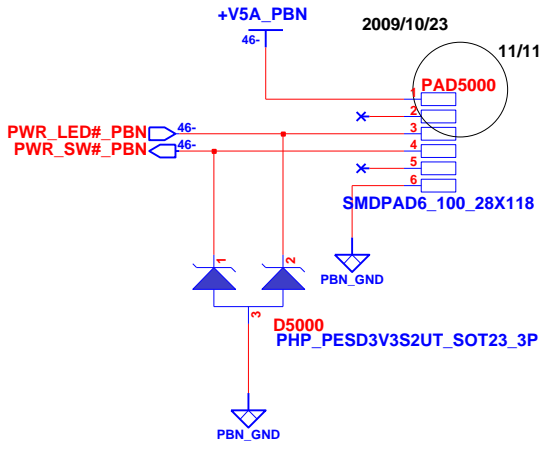
USB CONN02



POWER LED

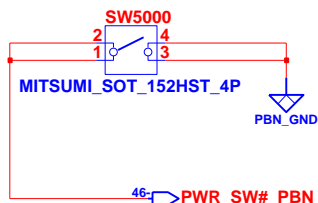


PBN Cable CN on PBN



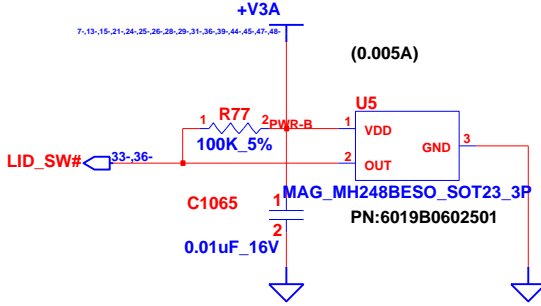
POWER BUTTON

SW1 SI USE : 6026B0154801



Circuit : Fixed  
2009/06/29

POWER BOTTON BOARD



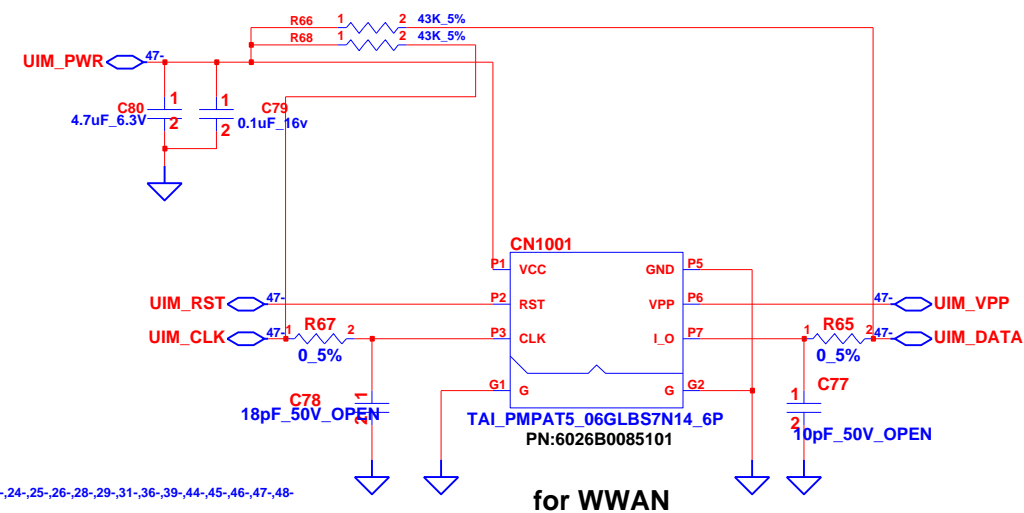
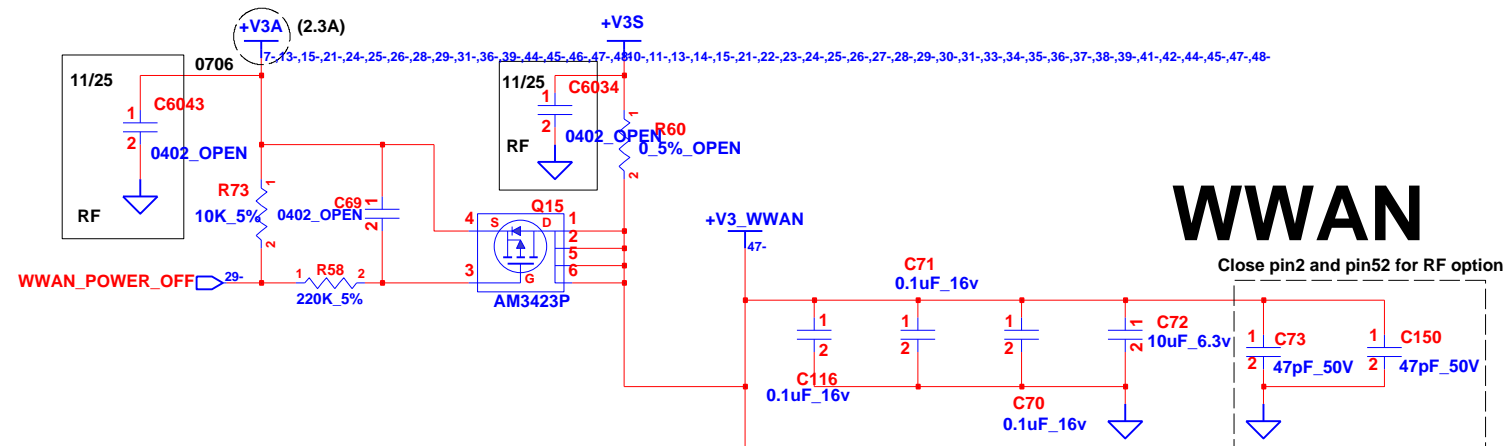
LID SWITCH ON MB

INVENTEC

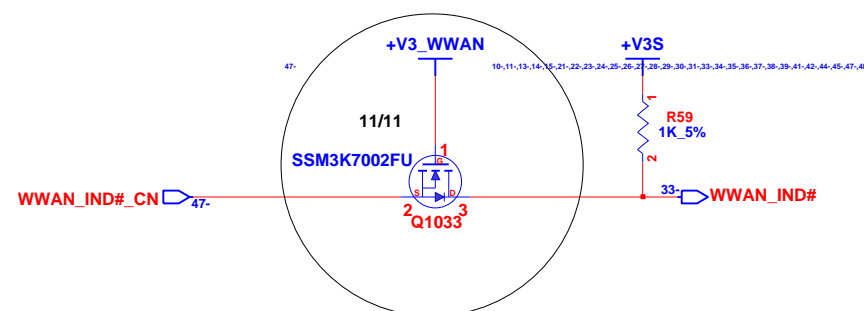
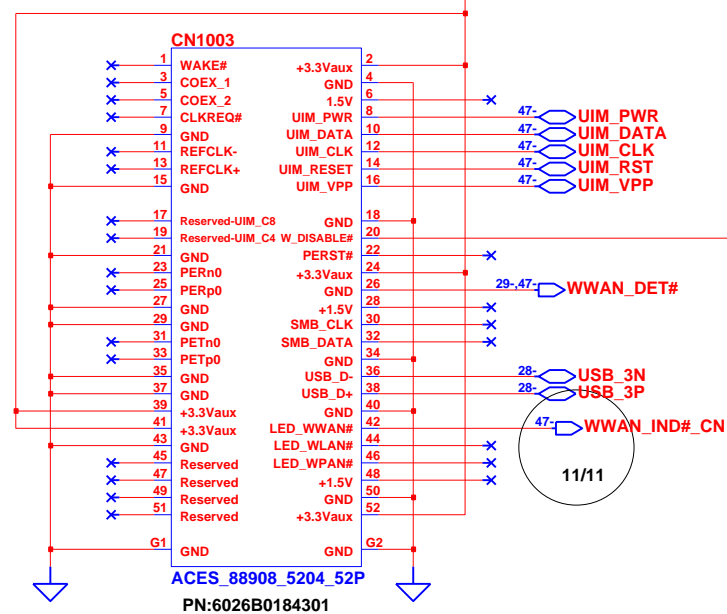
TITLE			
Calpella-UMA			
USB, PowerButton (DB)			
SIZE	CODE	DOC. NUMBER	REV
A3	CS		

**Circuit : Fixed**  
**2009/07/08**

# WWAN



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



***INVENTEC***

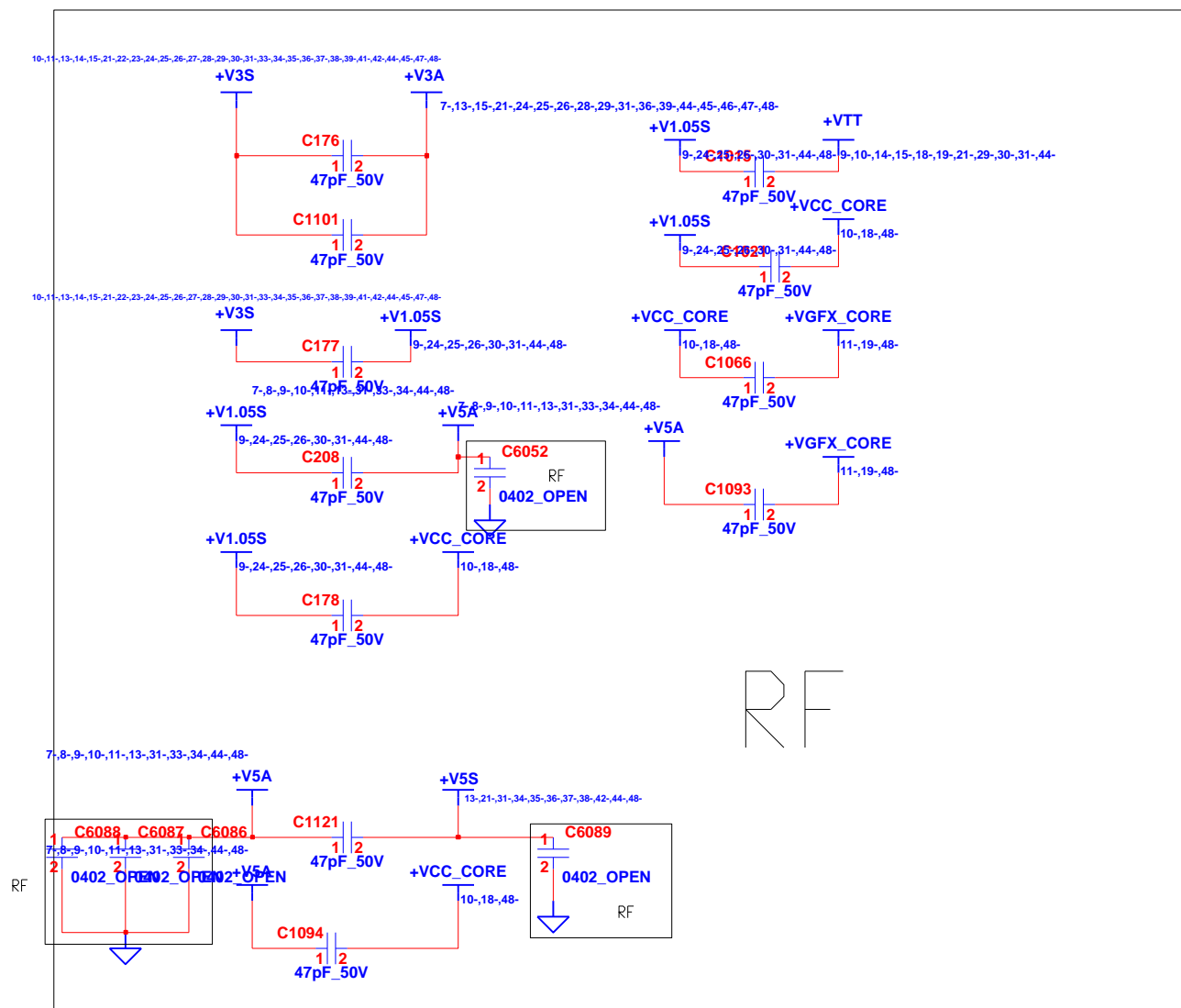
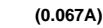
TITLE	<i>Calpella-UMA</i> <i>WWAN(Optional)</i>
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SIZE <b>A3</b>	CODE <b>CS</b>	DOC. NUMBER	REV
SHEET		47	OF 49

CHANGE by	FRODOJ	18-Jun-2009
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## F

## 2009/10/23



TITLE	<b>Calpella-UMA</b> <i>Touchscreen, FP &amp; HD LOCK(Optional)</i>
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CHANGE by	FRODOI	18-Jun-2009
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CS			
SHEET	48	OF	49



	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><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></div>								B				
C									C				
D									D				
E									E				
F									F				
						CHANGE by		SANDISI	23-Oct-2009	TITLE		INVENTEC	
						SIZE		A3	CODE	CS	DOC. NUMBER		REV
						SHEET		49	OF	49			
1	2	3	4	5	6	7	8						

INVENTEC

TITLE FP

SIZE	CODE	DOC. NUMBER	REV
A3	CS	49	OF 49

CHANGE by SANDISI 23-Oct-2009

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