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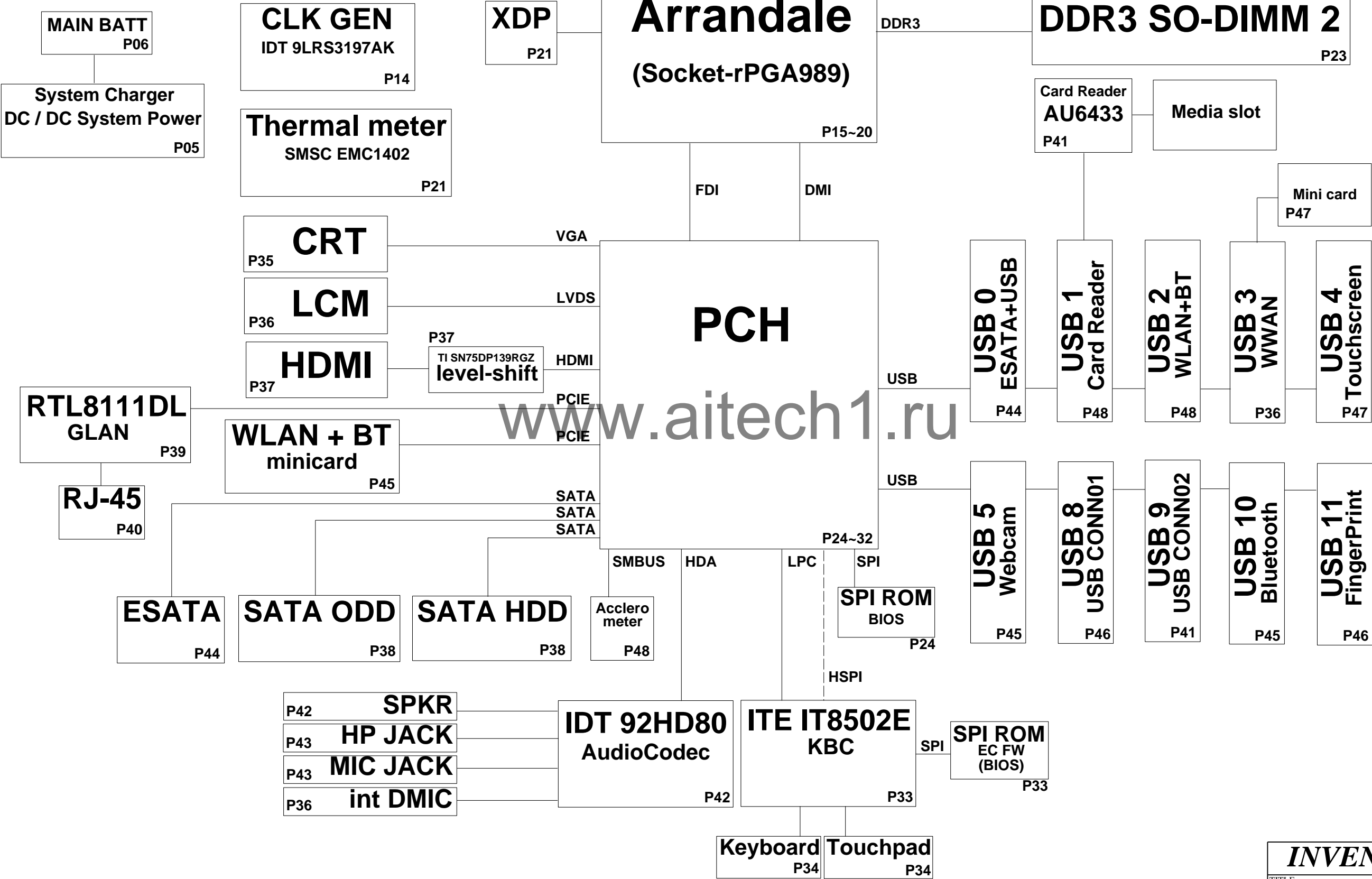
- 31. PCH-8
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INVENTEC

TITLE Calpella-UMA
Index

SIZE	CODE	DOC. NUMBER	REV
A3	CS	SHEET 2 OF 49	

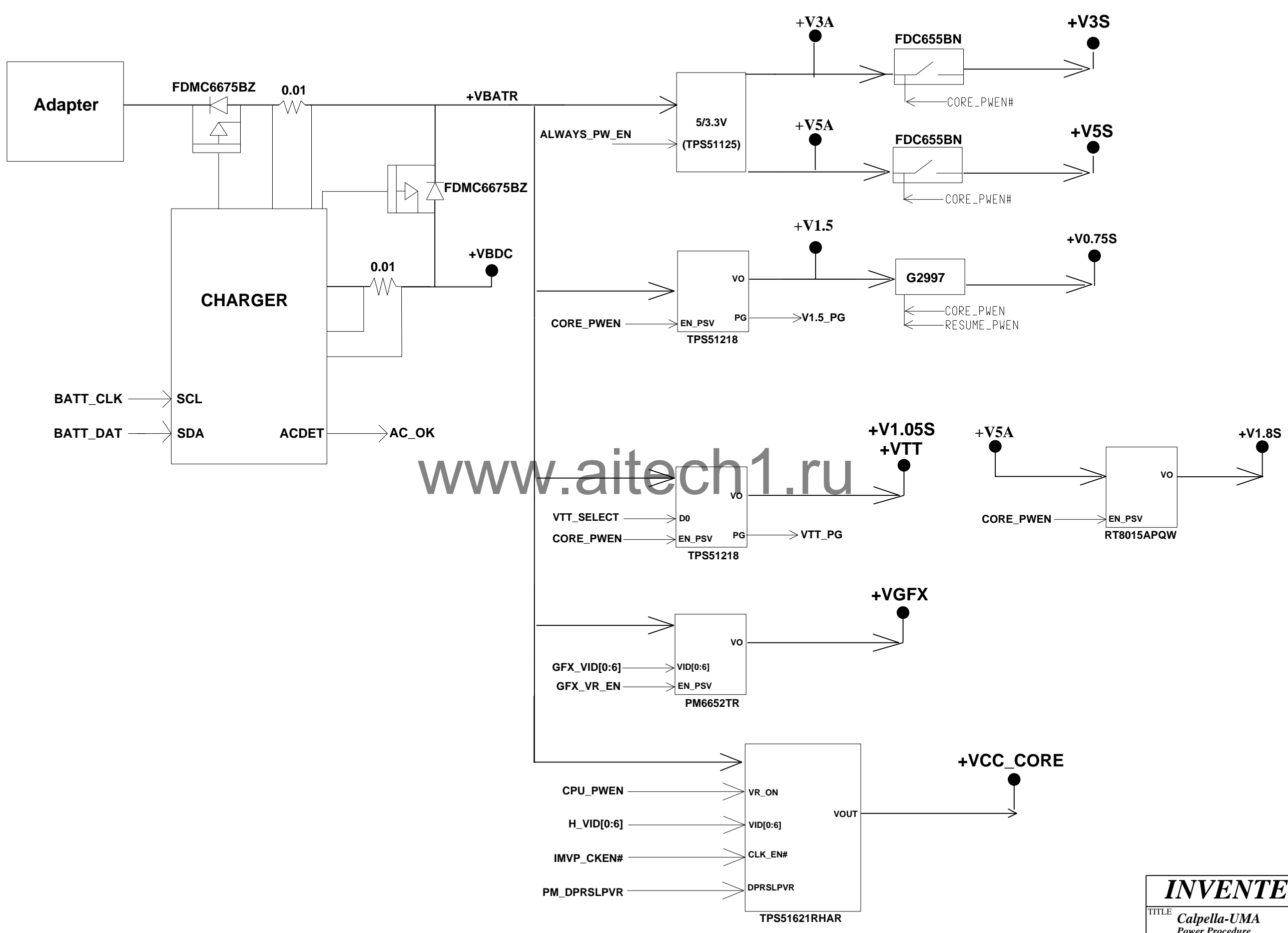
Inventec Confidential



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TITLE			
Calpella-UMA			
Block Diagram			
SIZE	CODE	DOC. NUMBER	REV
A3	CS		
SHEET		3	OF 49

CHANGE by FRODOI 30-Jul-2009

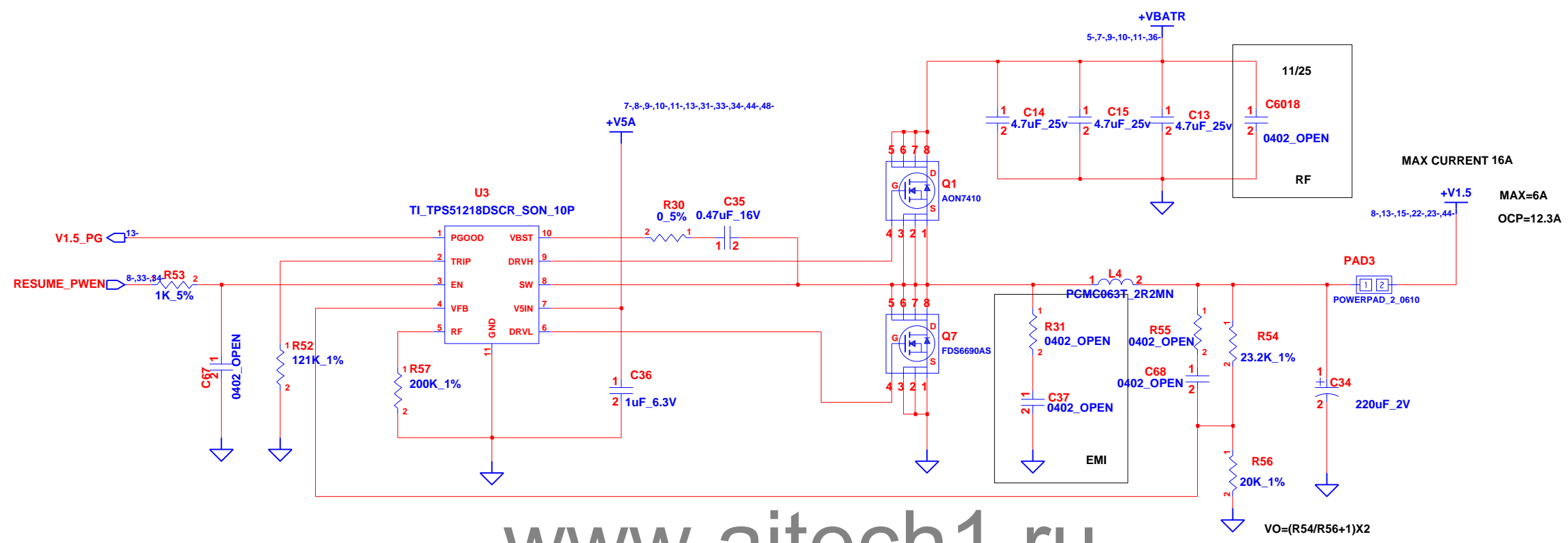




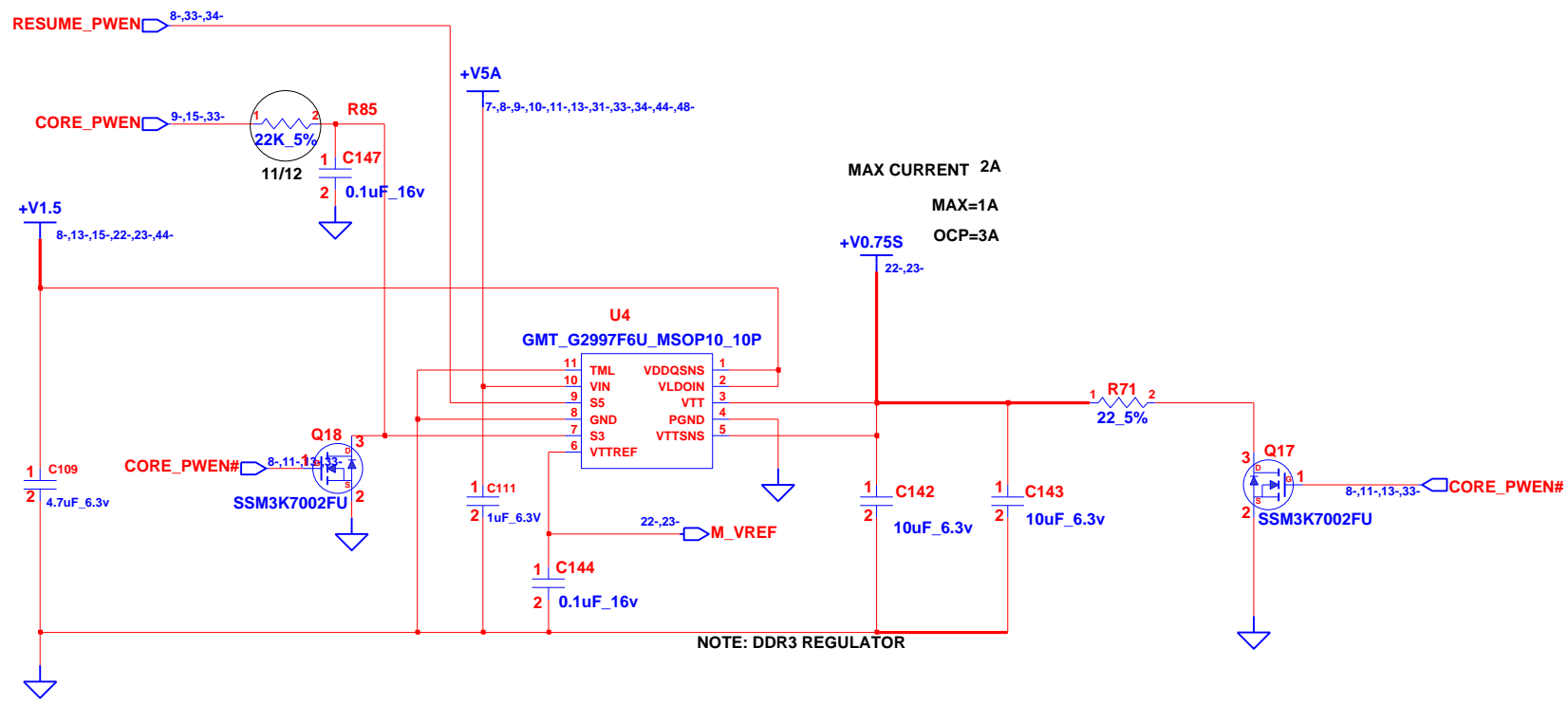
TITLE	Calpella-UMA DC & Battery Charger
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SHEET		5	OF 49

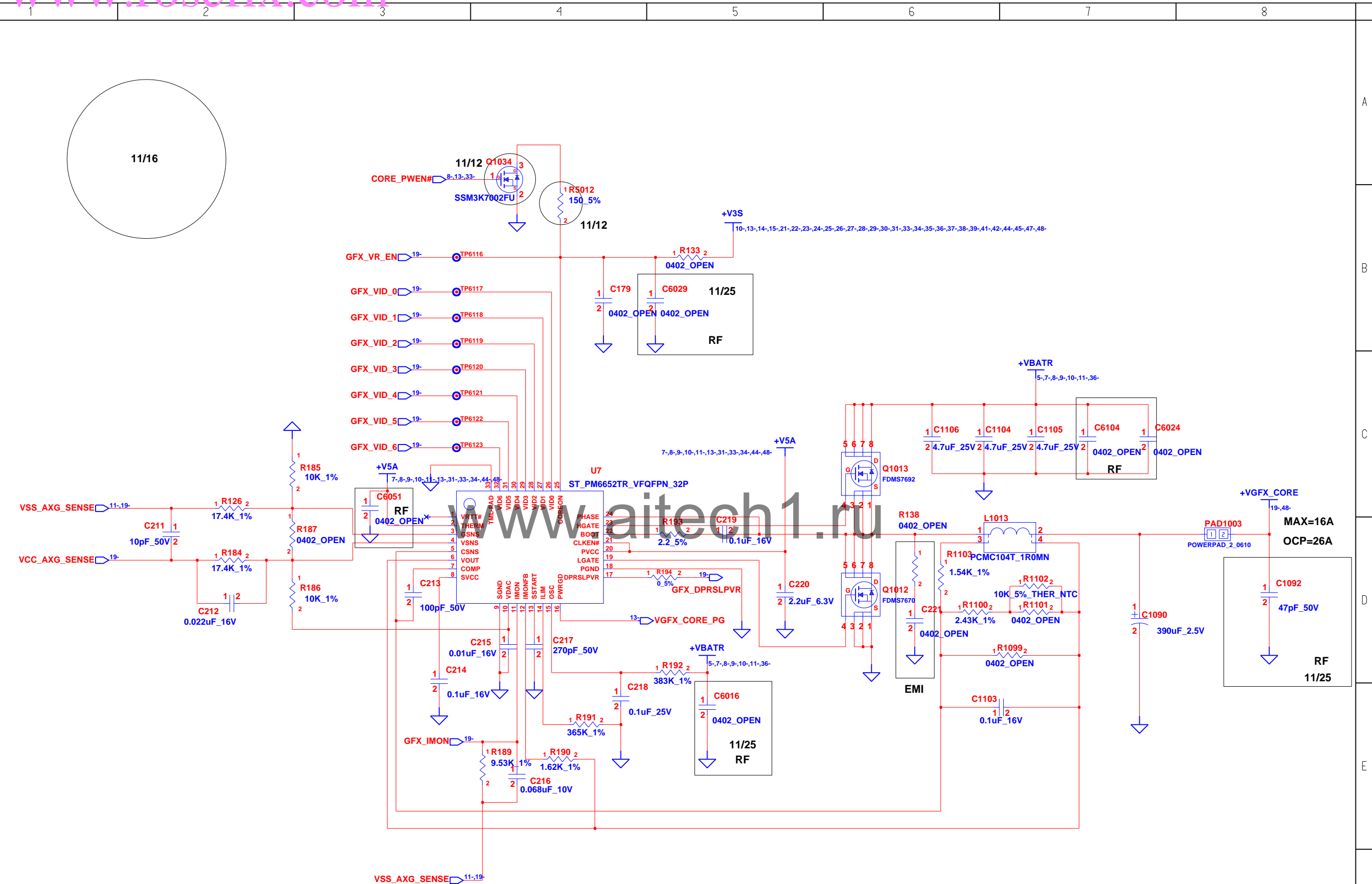
CHANGE by	FRODOI	2-Jul-2009
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INVENTEC			
TITLE Calpella-UMA			
+V1.5 & +V0.75			
SIZE A3	CODE CS	DOC. NUMBER	REV
SHEET 8		OF 49	



INVENTEC F

TITLE	<i>Calpella-UMA</i> <i>+VGFX_CORE</i>
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			SIZE A3	CODE CS	DOC. NUMBER	REV
CHANGE by	FRODOI	17-Aug-2009	SHEET 11 OF 49			

CHANGE by	FRODOI	17-Aug-2009
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1	2	3	4	5	6	7	8
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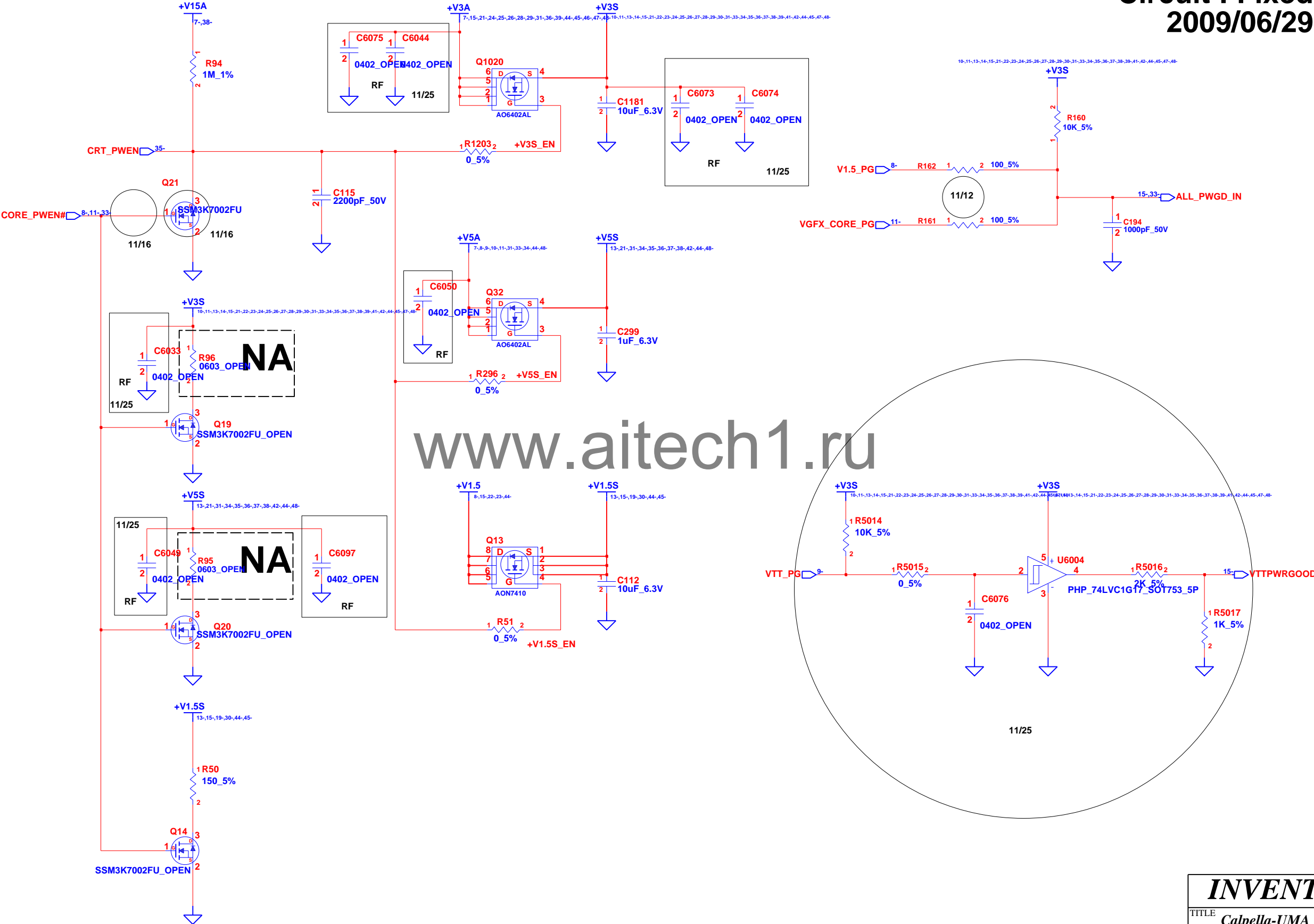
INVENTEC

TITLE
Calpella-UMA
Reserve Page

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

CHANGE by	FRODOI	23-Jul-2009
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Circuit : Fixed
2009/06/29



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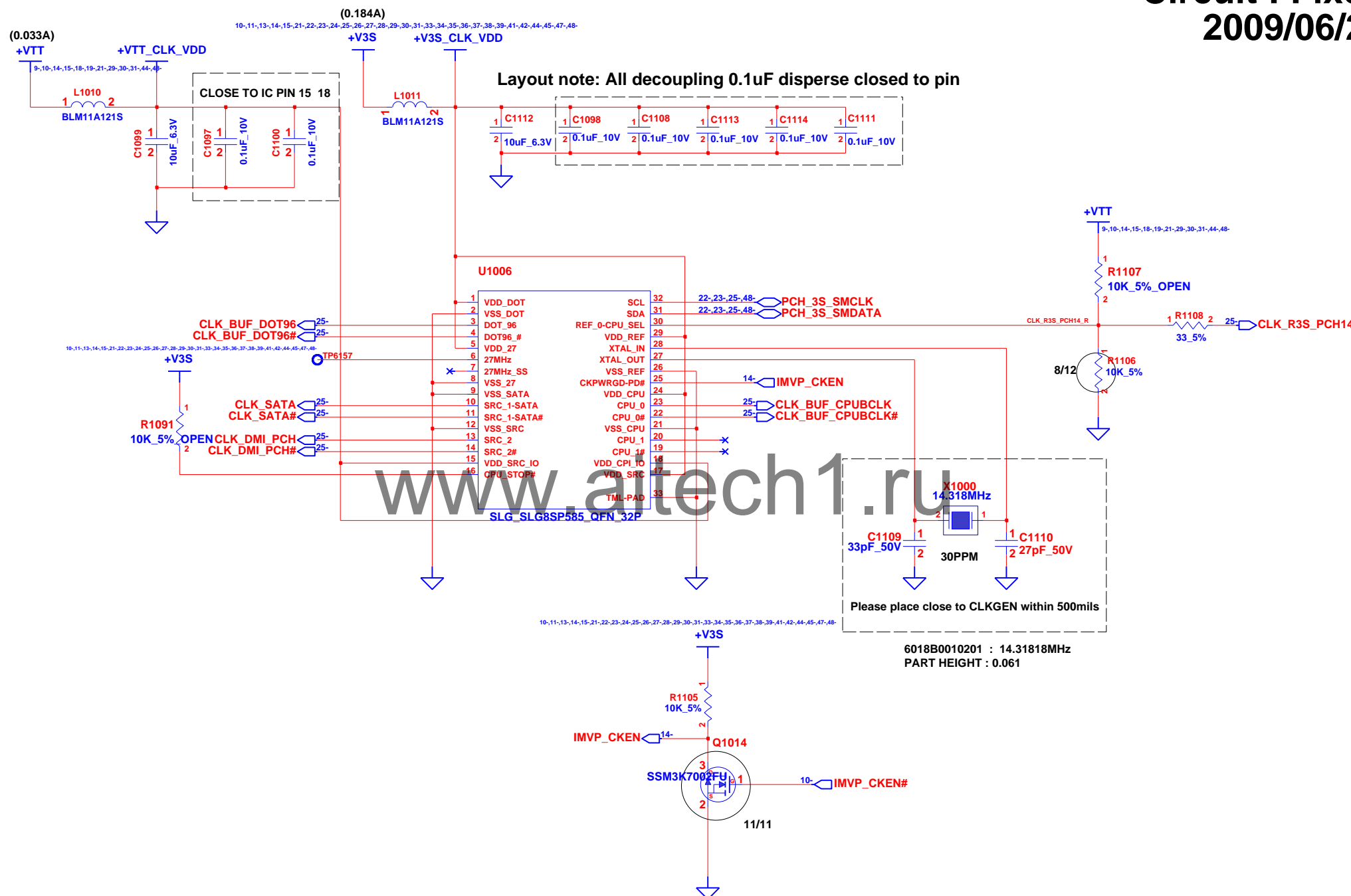
TITLE **Calpella-UMA**
+V5S & +V3S

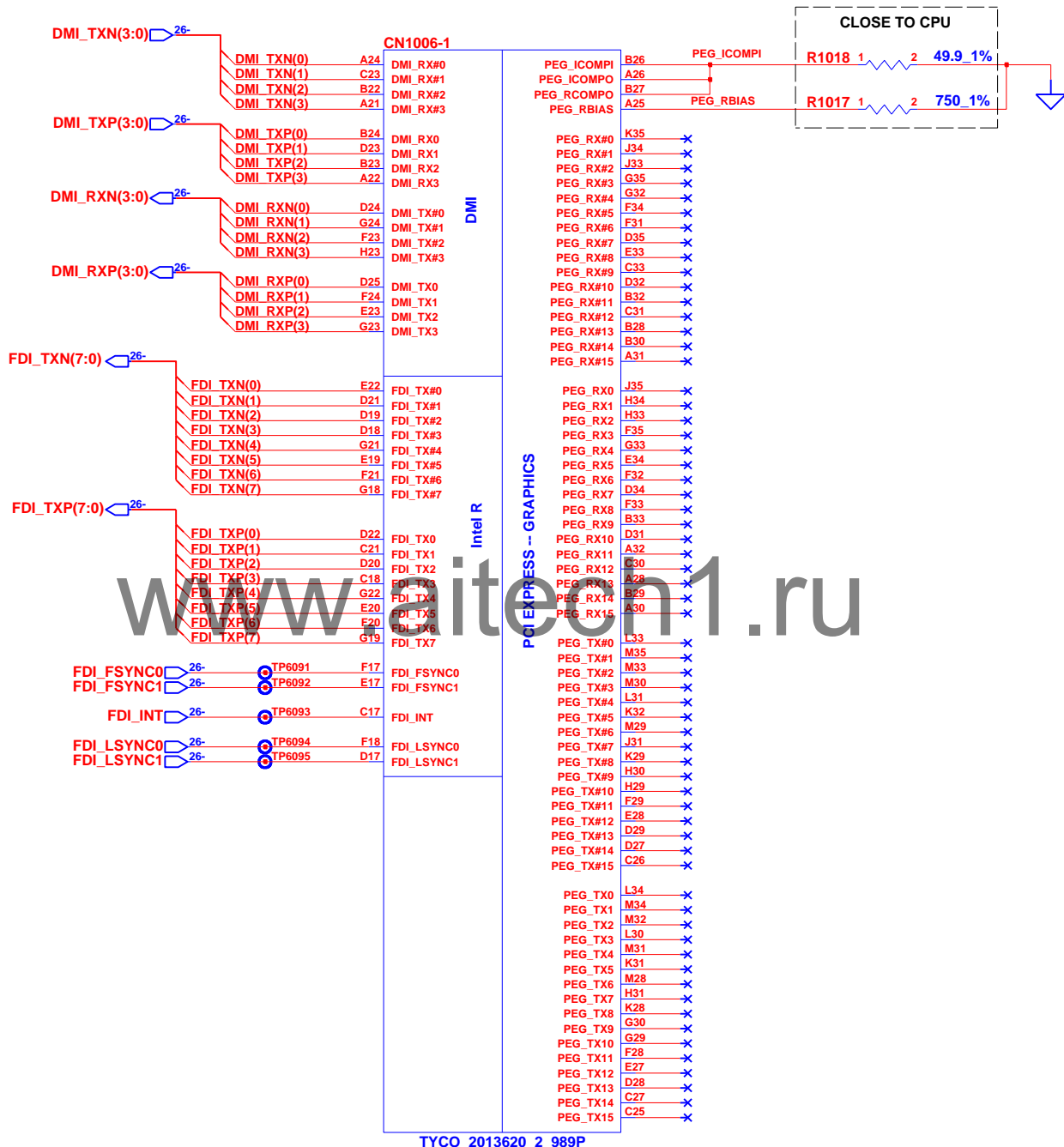
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A3	CS		

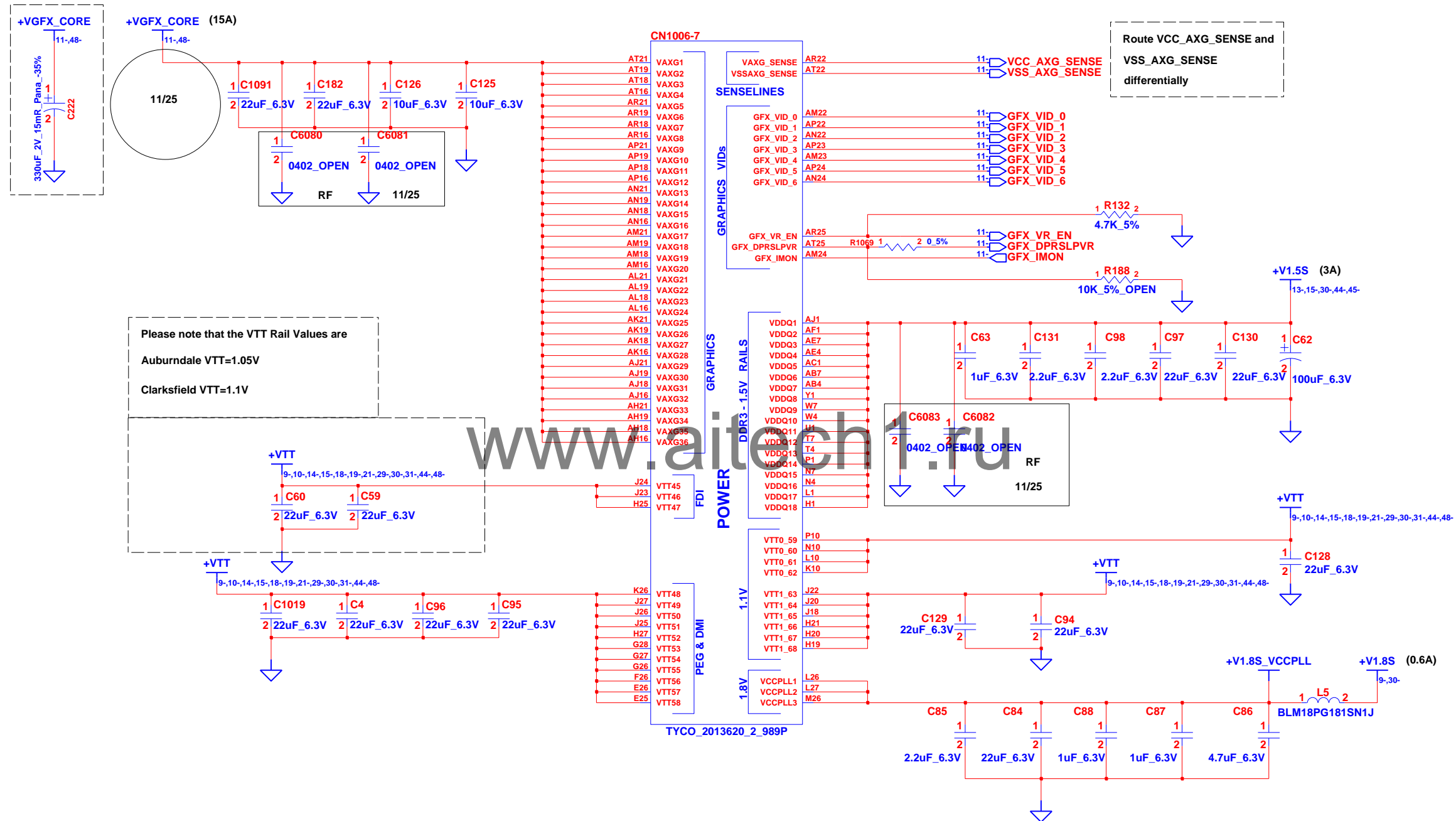
CHANGE by **FRODOI** 18-Jun-2009

SHEET 13 OF 49

Circuit : Fixed
2009/06/29







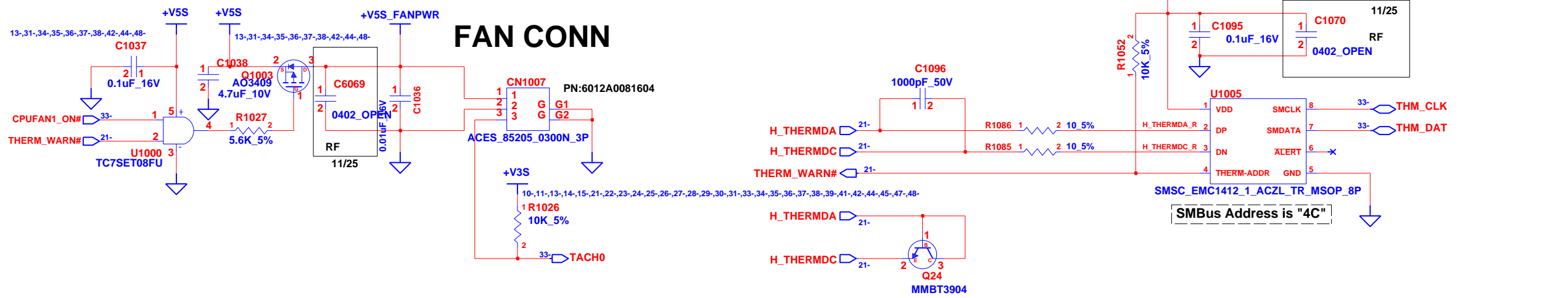
INVENTEC

TITLE **Calpella-UMA**
CPU-5

SIZE	CODE	DOC. NUMBER	REV
A3	CS	19 OF 49	

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

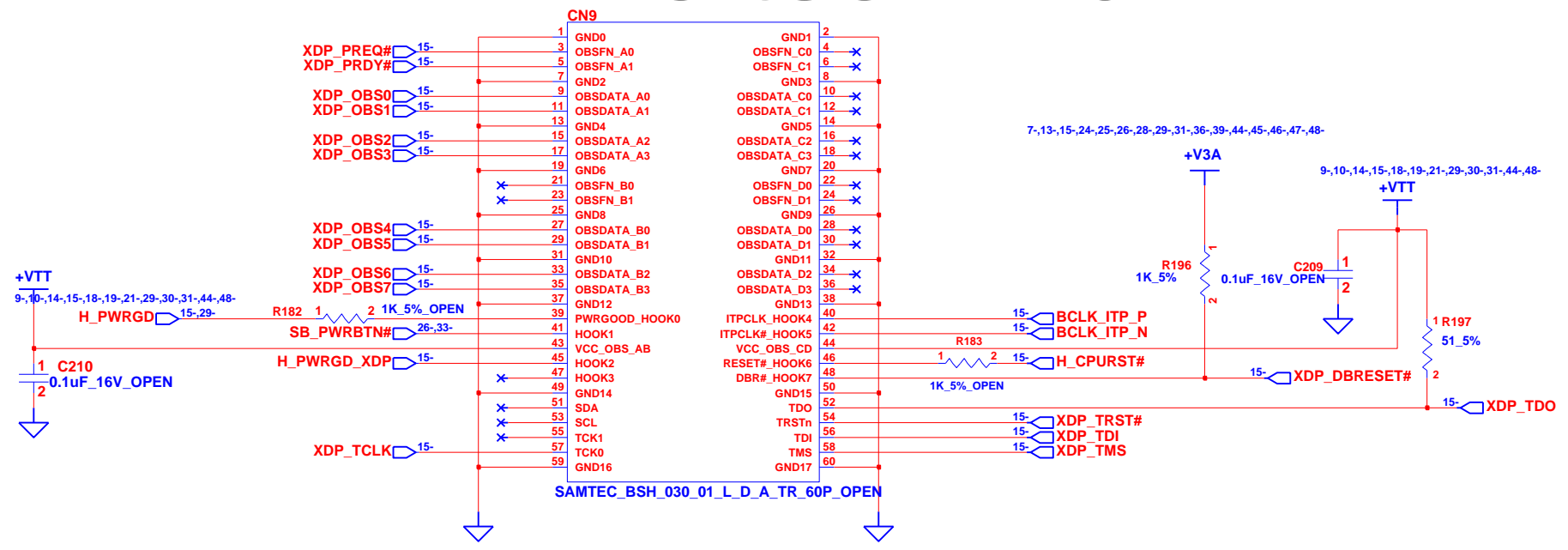
Circuit : Fixed
2009/06/29



NA

XDP CONNECTOR

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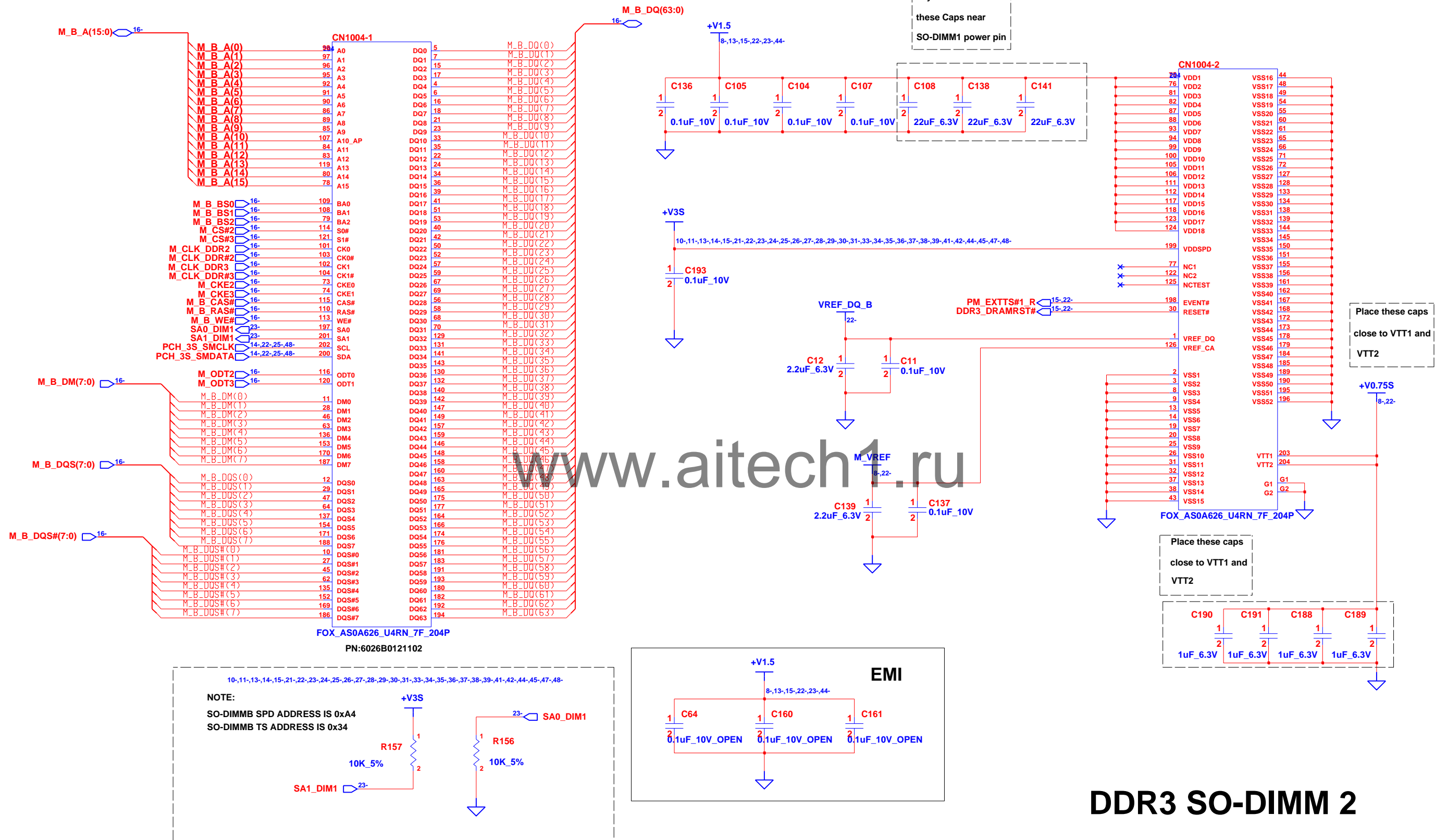


INVENTEC

TITLE Calpella-UMA
Thermal, Fan & XDP

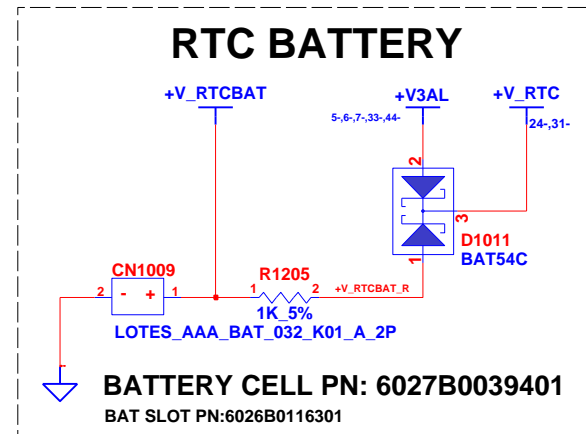
SIZE CODE DOC. NUMBER REV
A3 CS SHEET 21 OF 49

CHANGE by FRODOI 18-Jun-2009

**INVENTEC**TITLE
**Calpella-UMA
DDR3-2**

SIZE	CODE	DOC. NUMBER	REV
A3	CS	23 OF 49	

CHANGE by FRODOI 18-Jun-2009



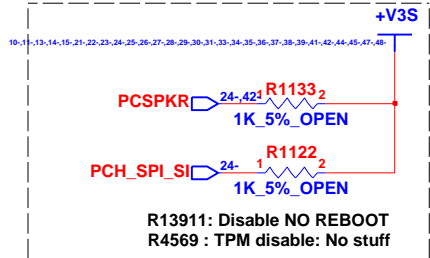
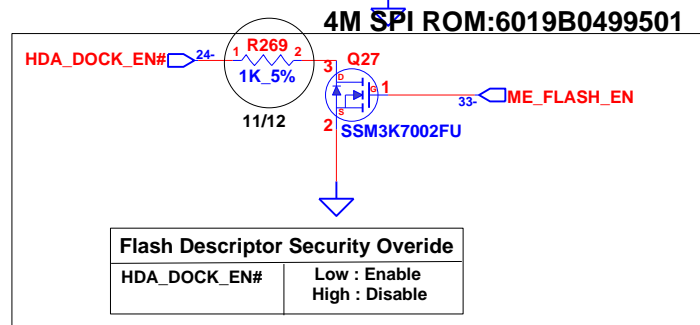
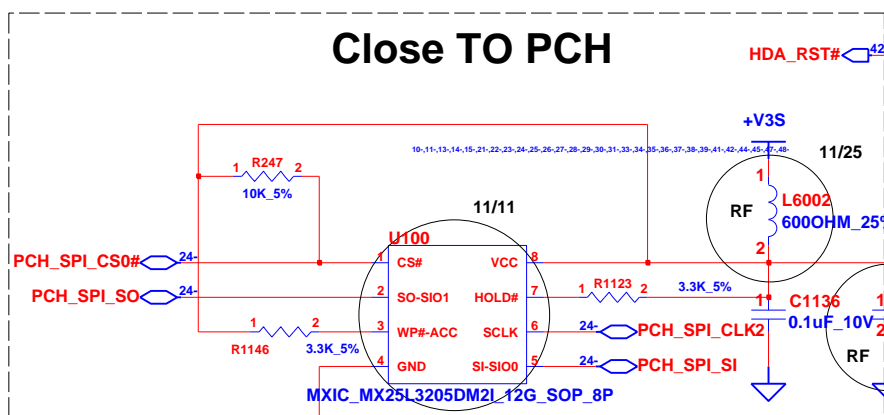
SPI_MISO:

No series resistor if 1.5"-6.5"

with 1 SPI device

Use a 33ohm series resistor

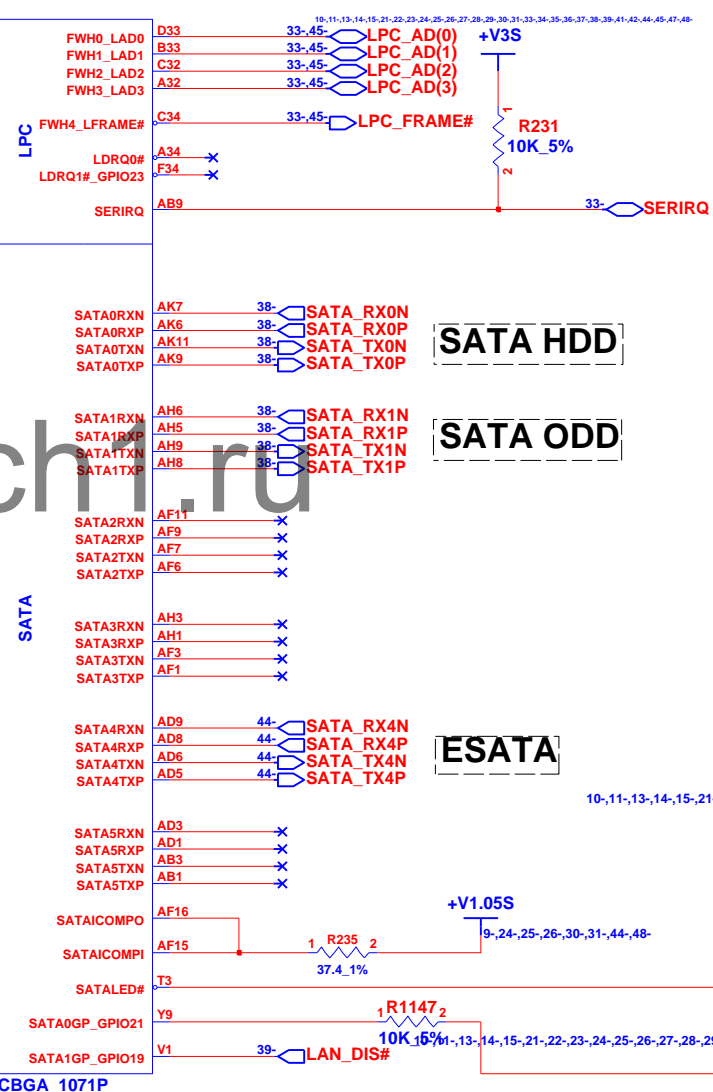
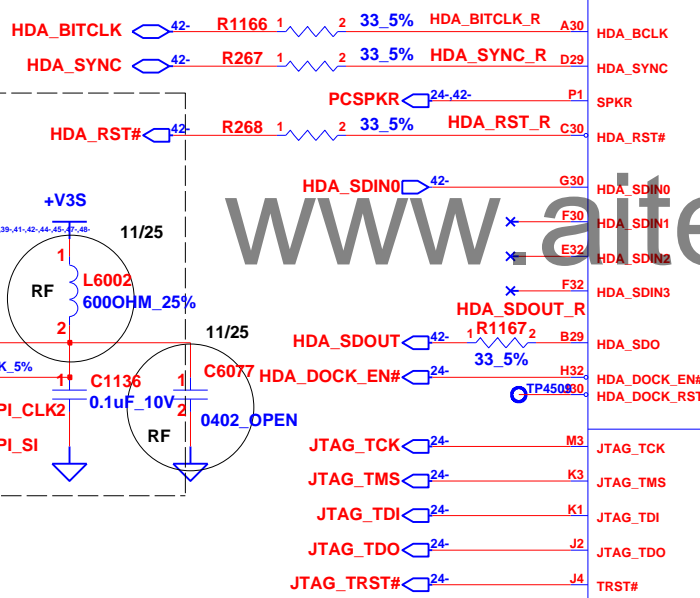
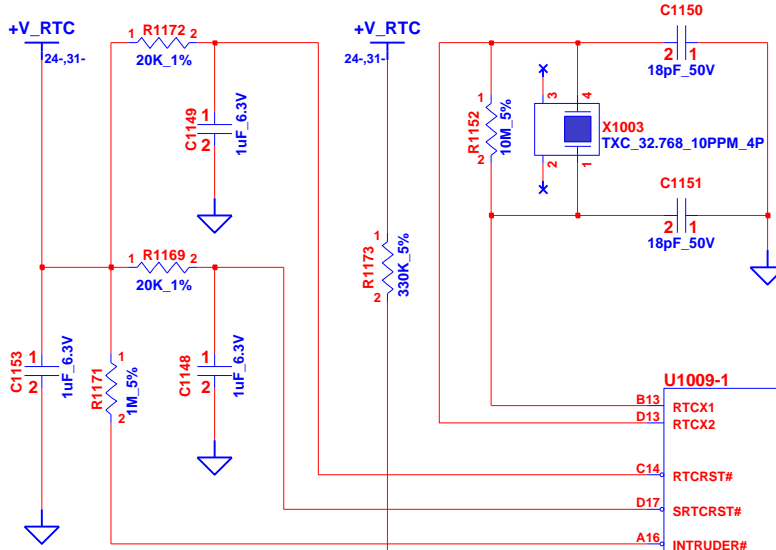
close to PCH if using 2 SPI device

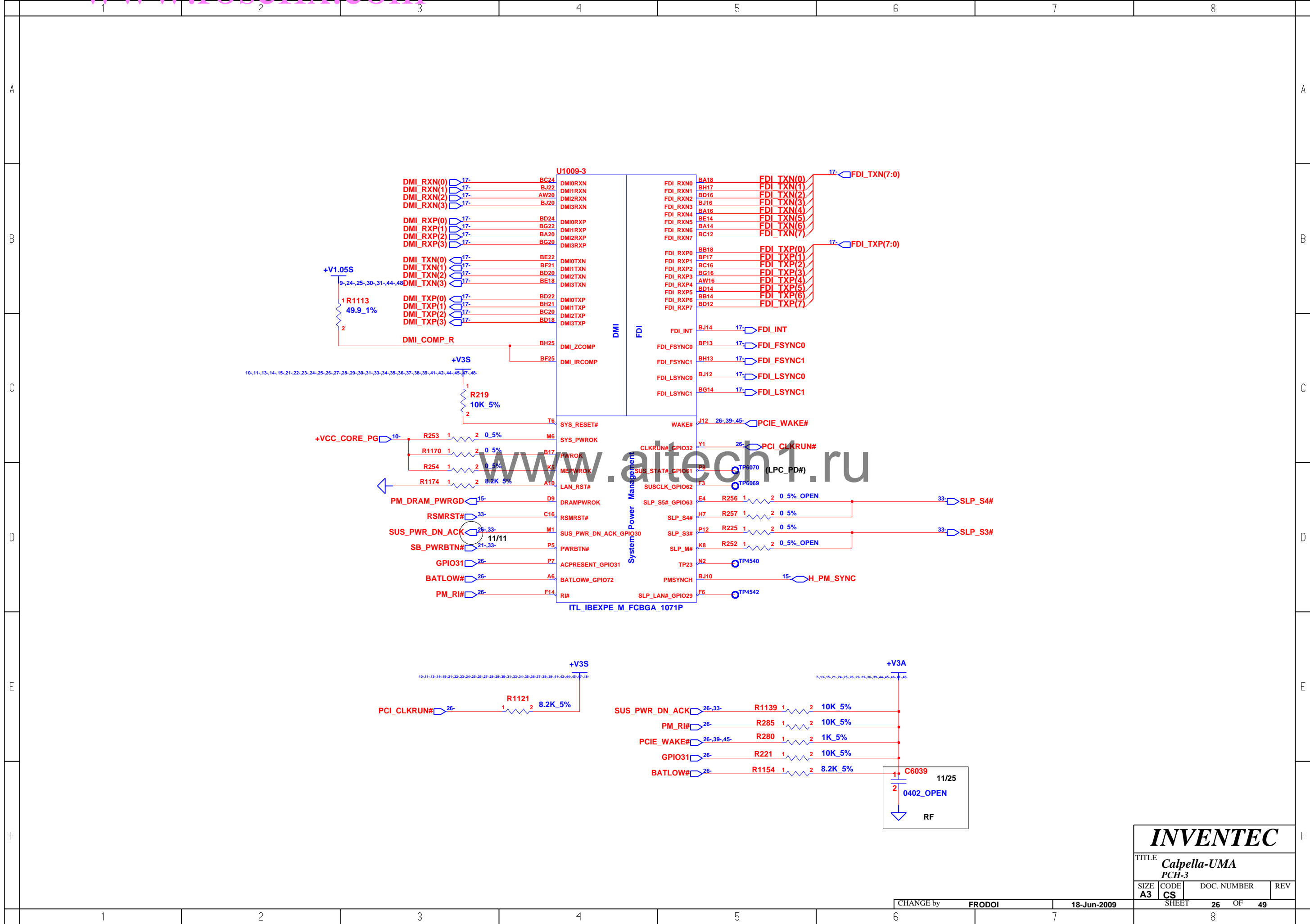


INTVRMEN :

Integrated SUS 1.1V VRM Enable

High - Enable Internal VRs



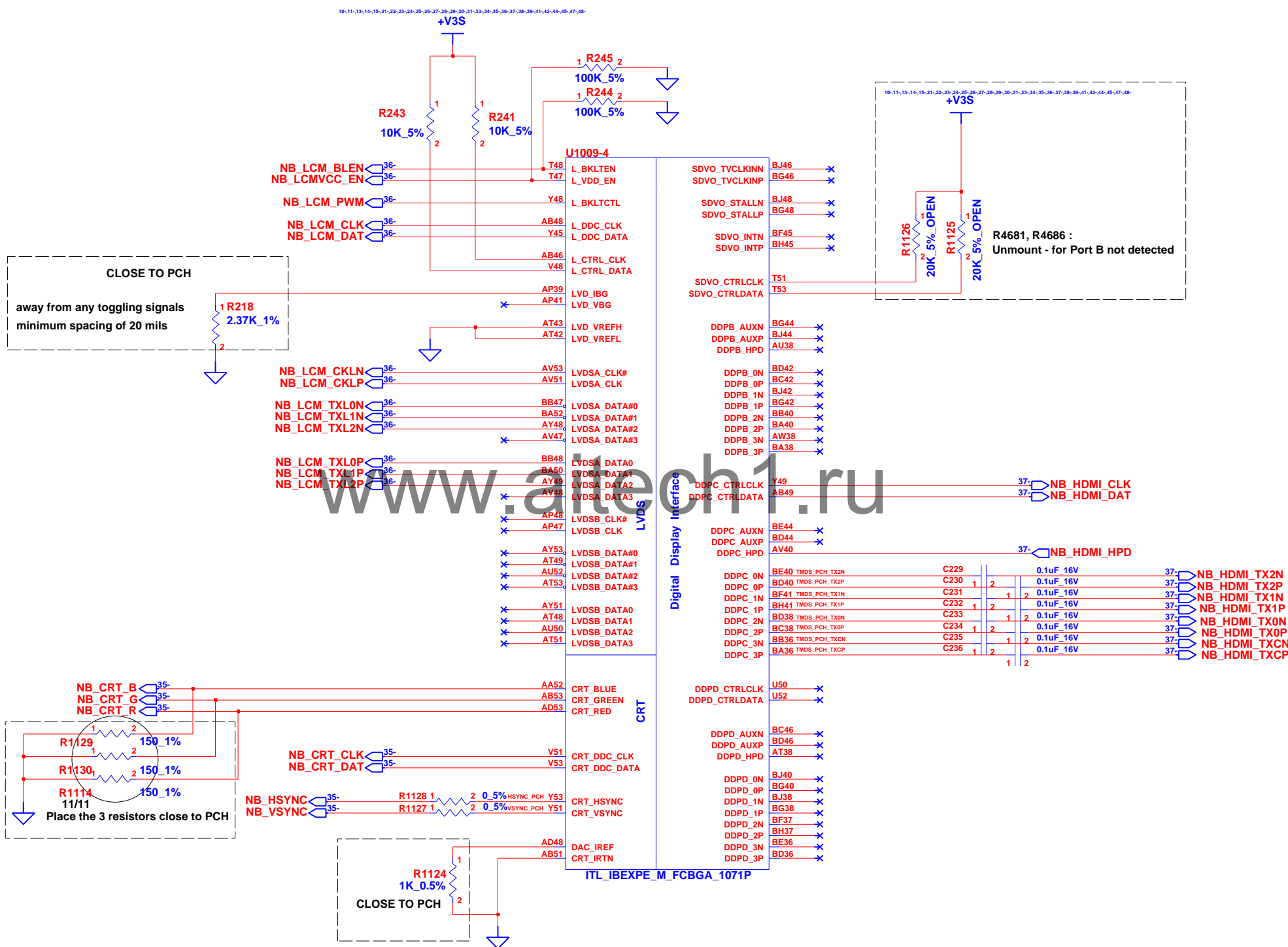


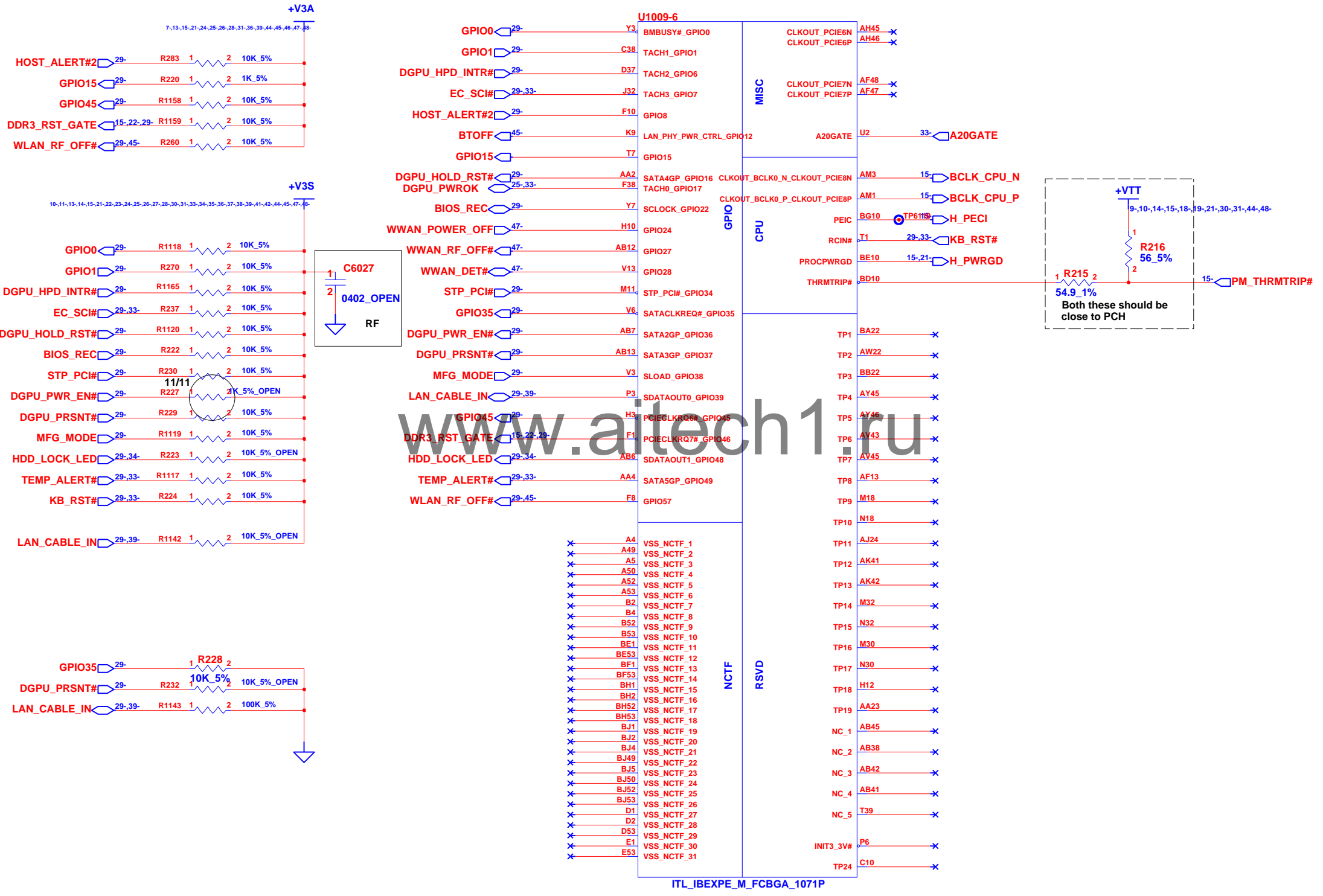
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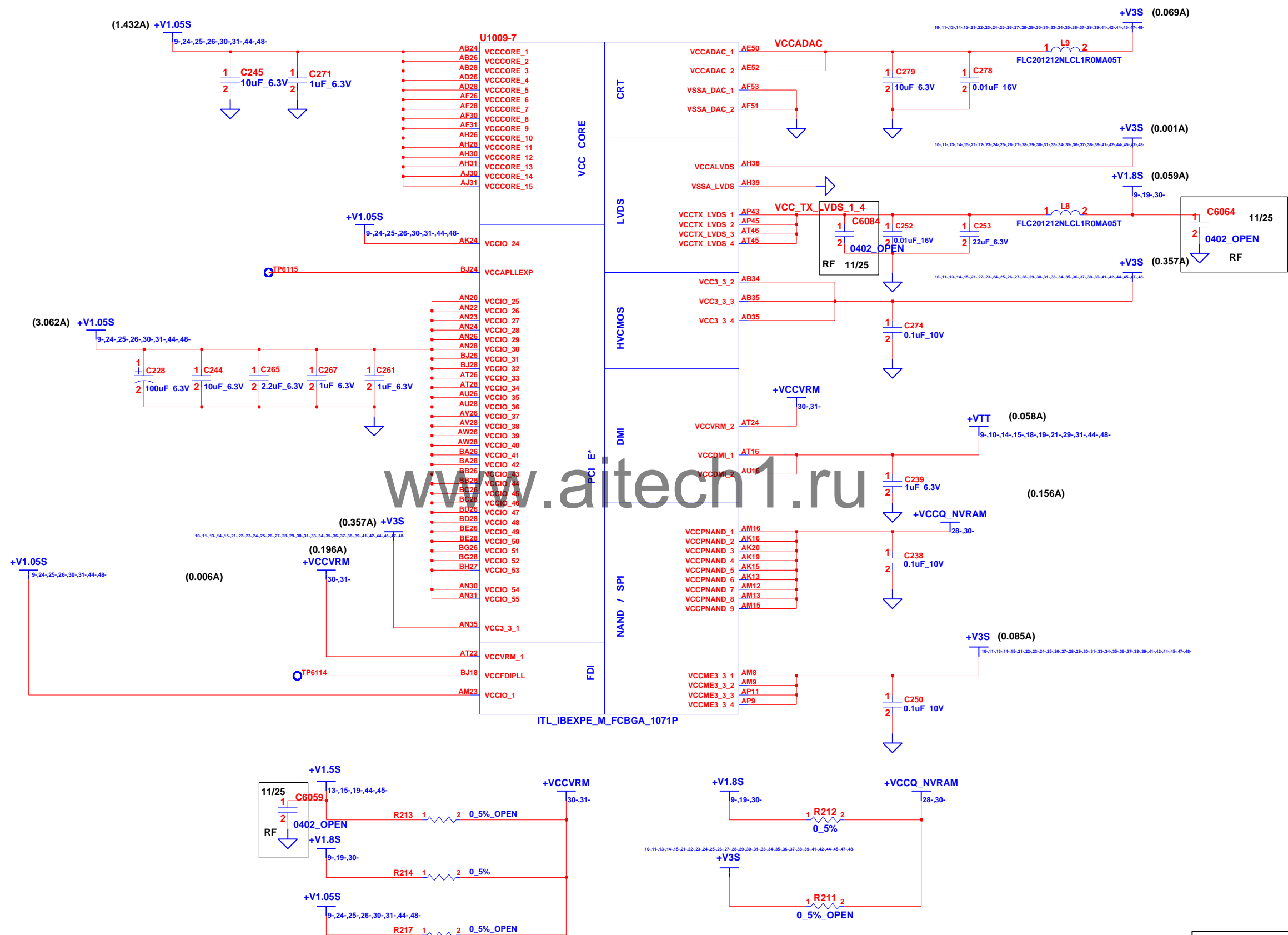
TITLE Calpella-UMA
PCH-3

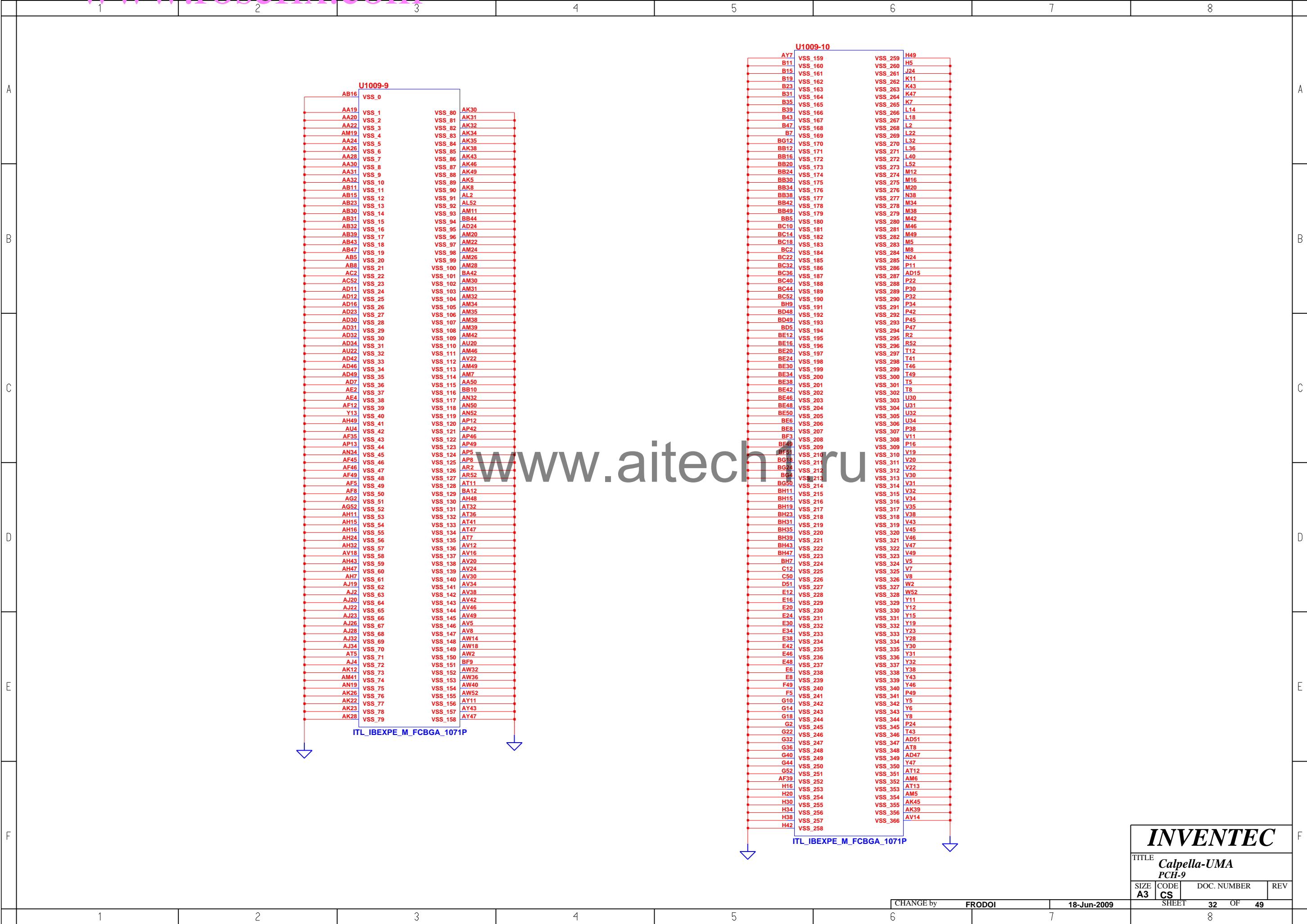
SIZE	CODE	DOC. NUMBER	REV
A3	CS	26 OF 49	

CHANGE by FRODOI 18-Jun-2009





**INVENTEC**TITLE **Calpella-UMA**
PCH-7SIZE **A3** CODE **CS** DOC. NUMBER REV
SHEET **30** OF **49**CHANGE by **FRODOI** 18-Jun-2009

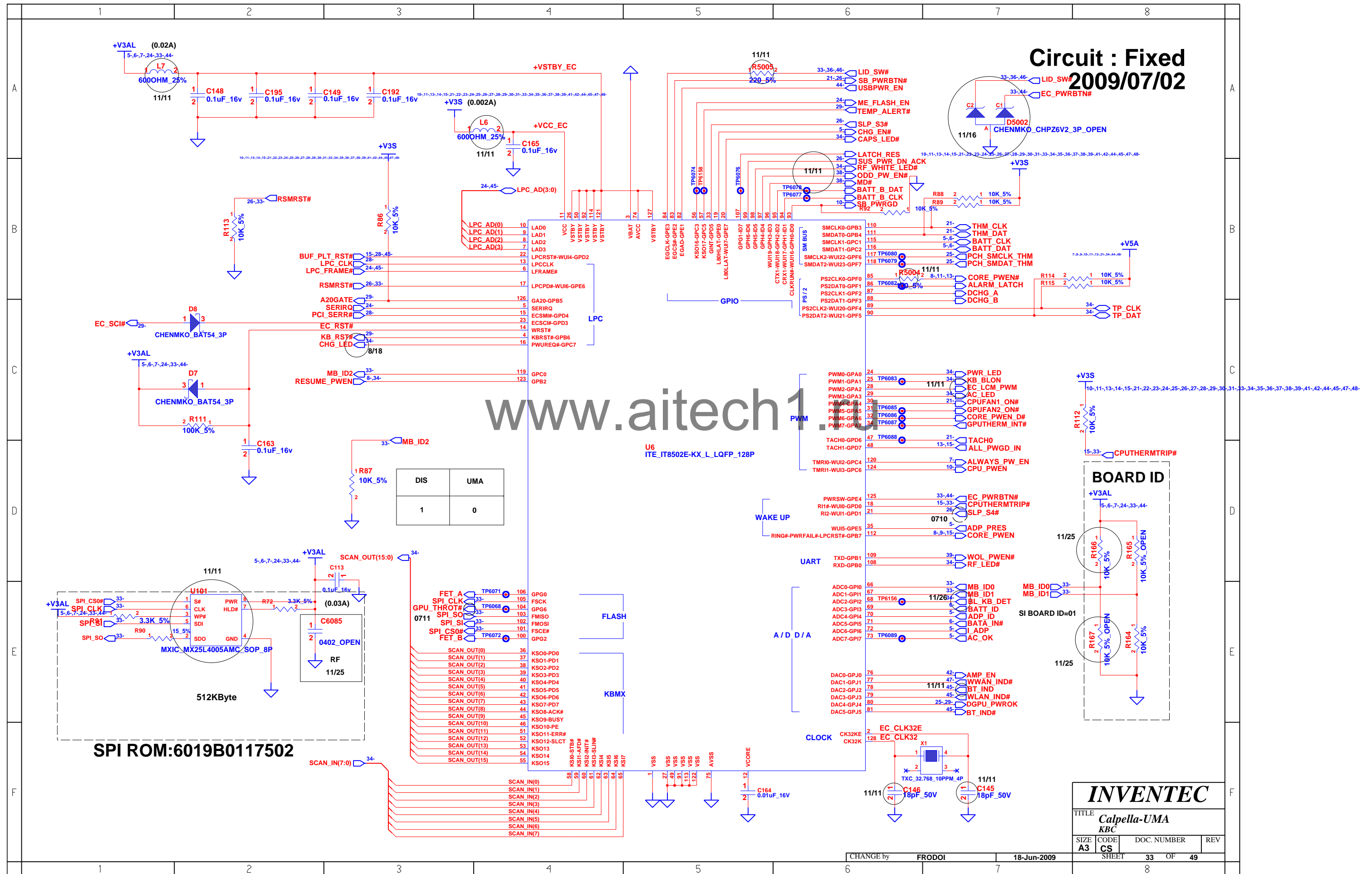


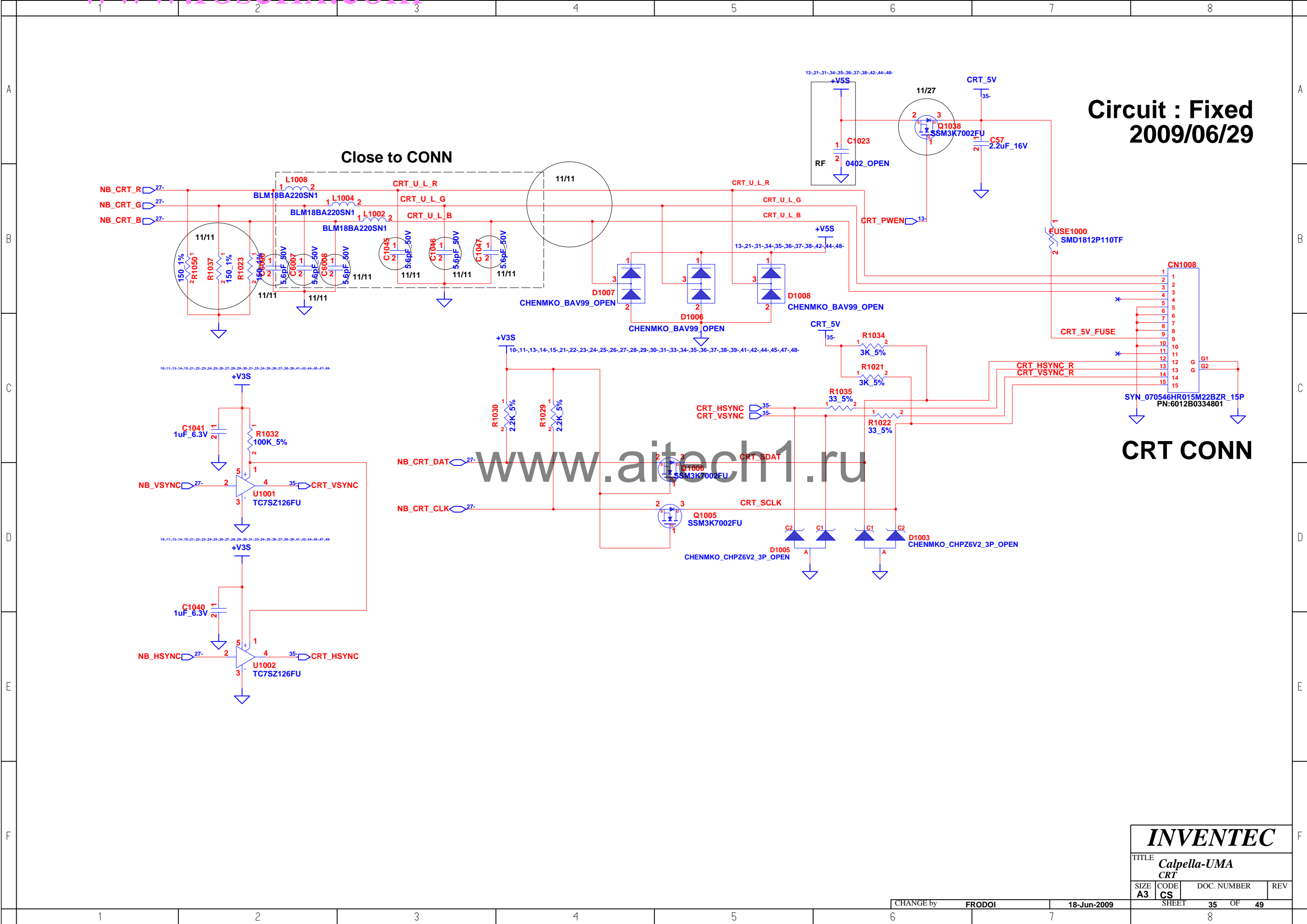
INVENTEC

TITLE Calpella-UMA
PCH-9

SIZE	CODE	DOC. NUMBER	REV
A3	CS	32 OF 49	

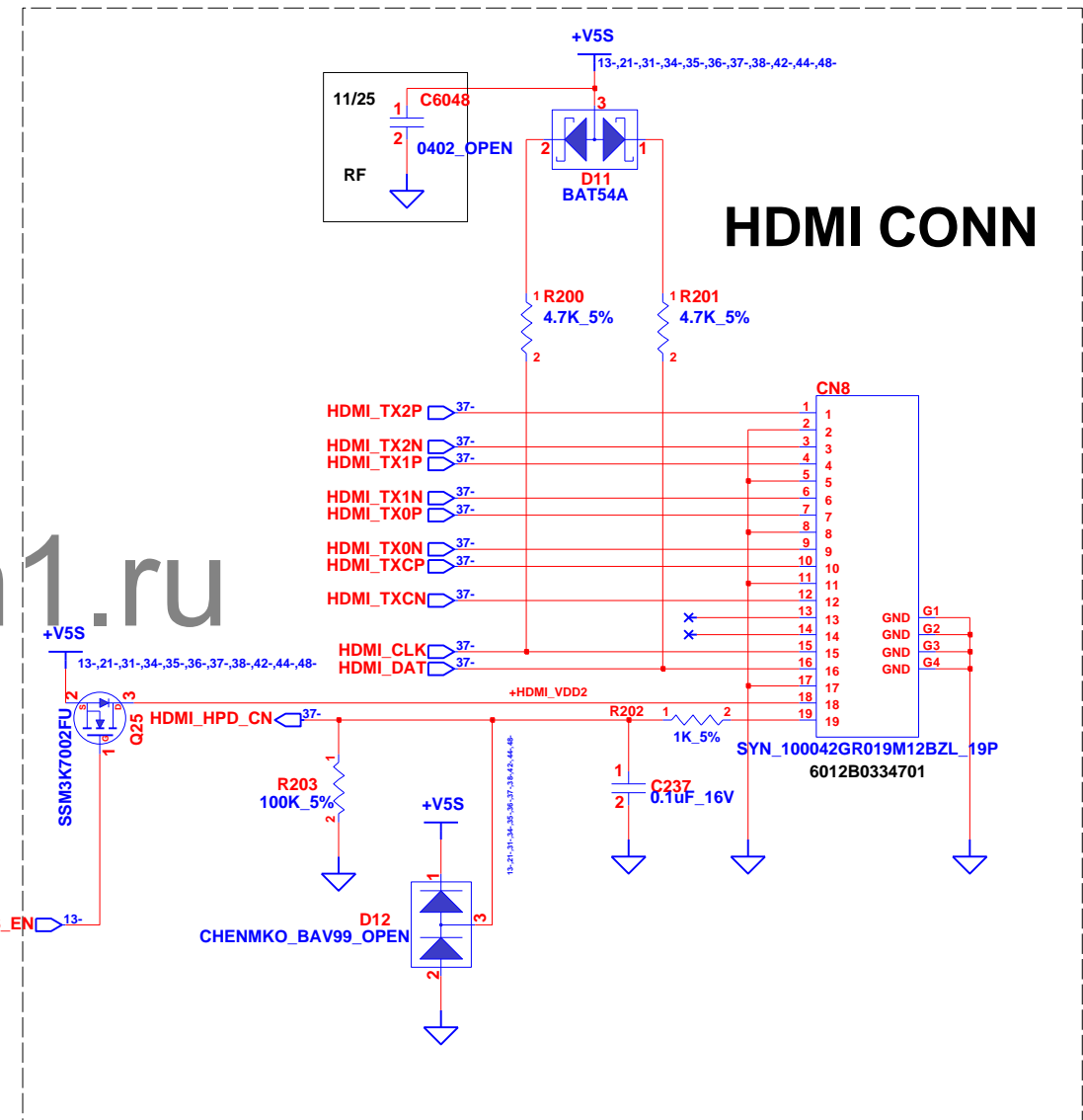
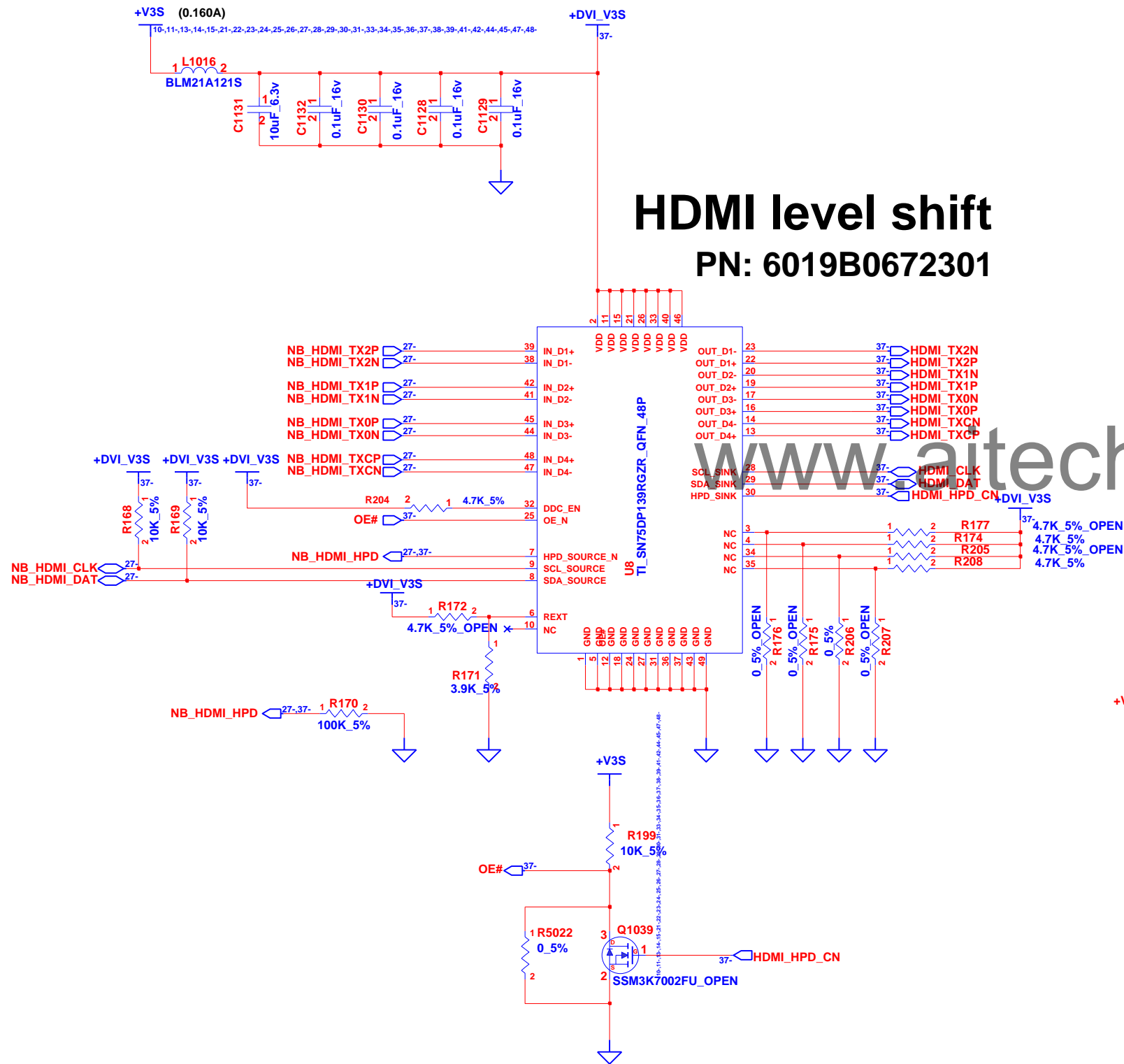
CHANGE by FRODOI 18-Jun-2009





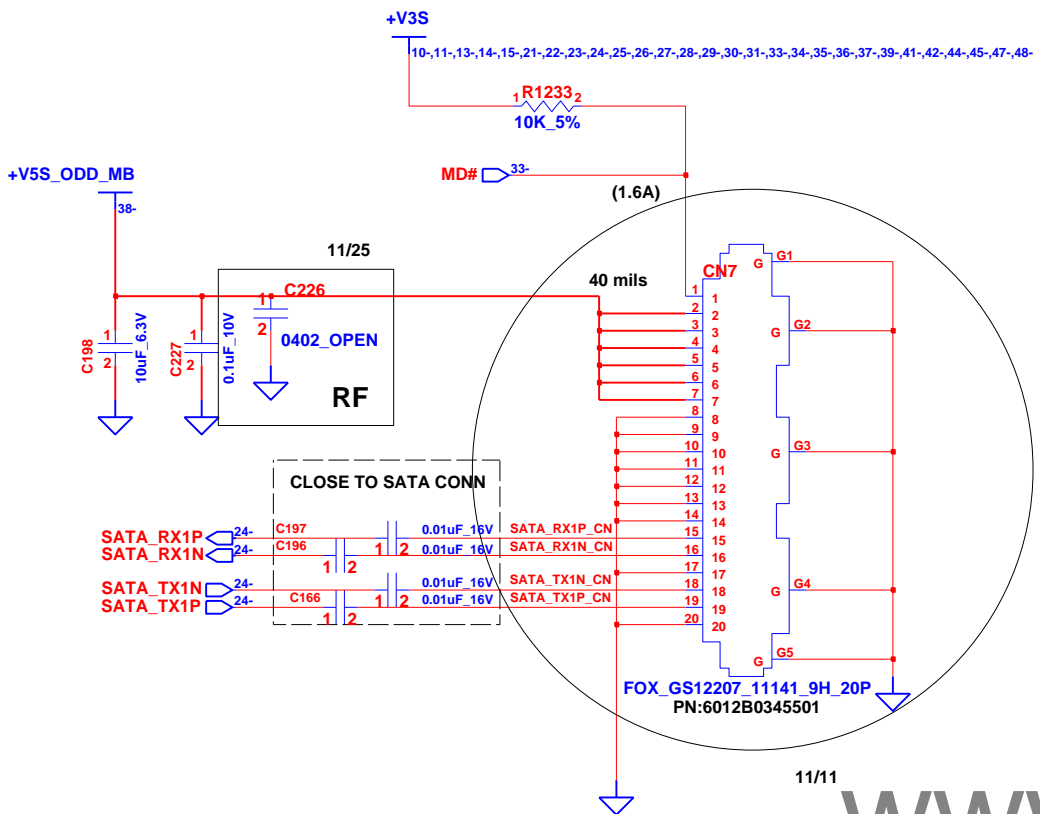
HDMI level shift

PN: 6019B0672301

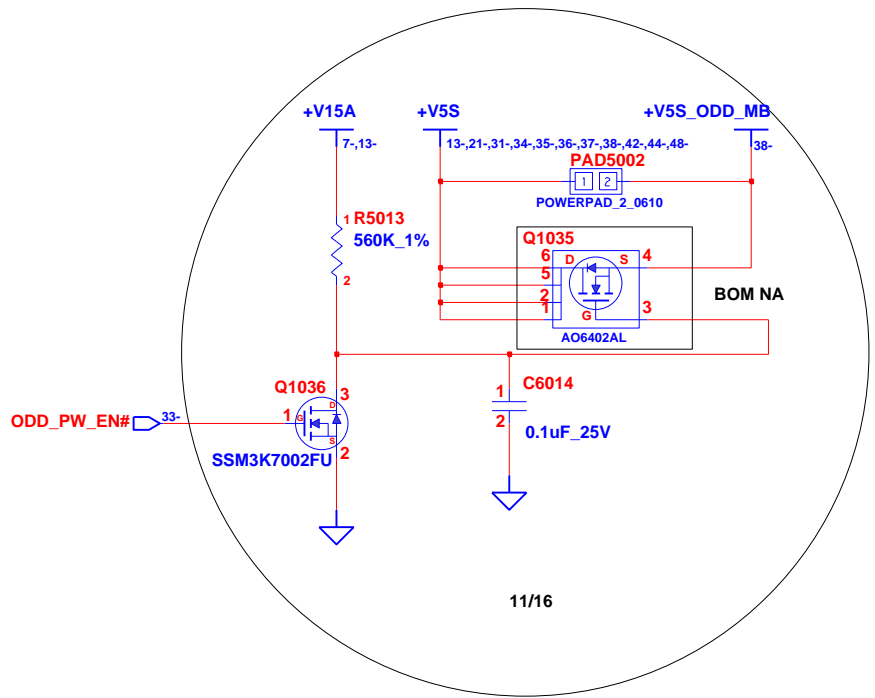
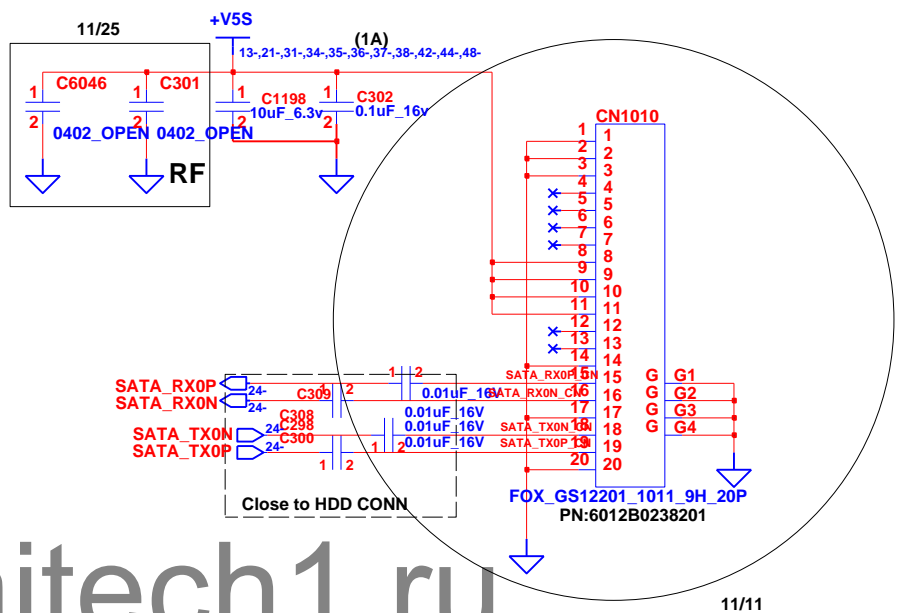


INVENTEC			
TITLE Calpella-UMA			
HDMI Level-Shift			
SIZE A3	CODE CS	DOC. NUMBER	REV
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SATA ODD FFC CONN on MB



SATA HDD FFC CONN on MB



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Placed near LAN Controller

(1.2V output:40mils)

Close Within 200mil

Placed near LAN Controller

Placed near LAN Controller

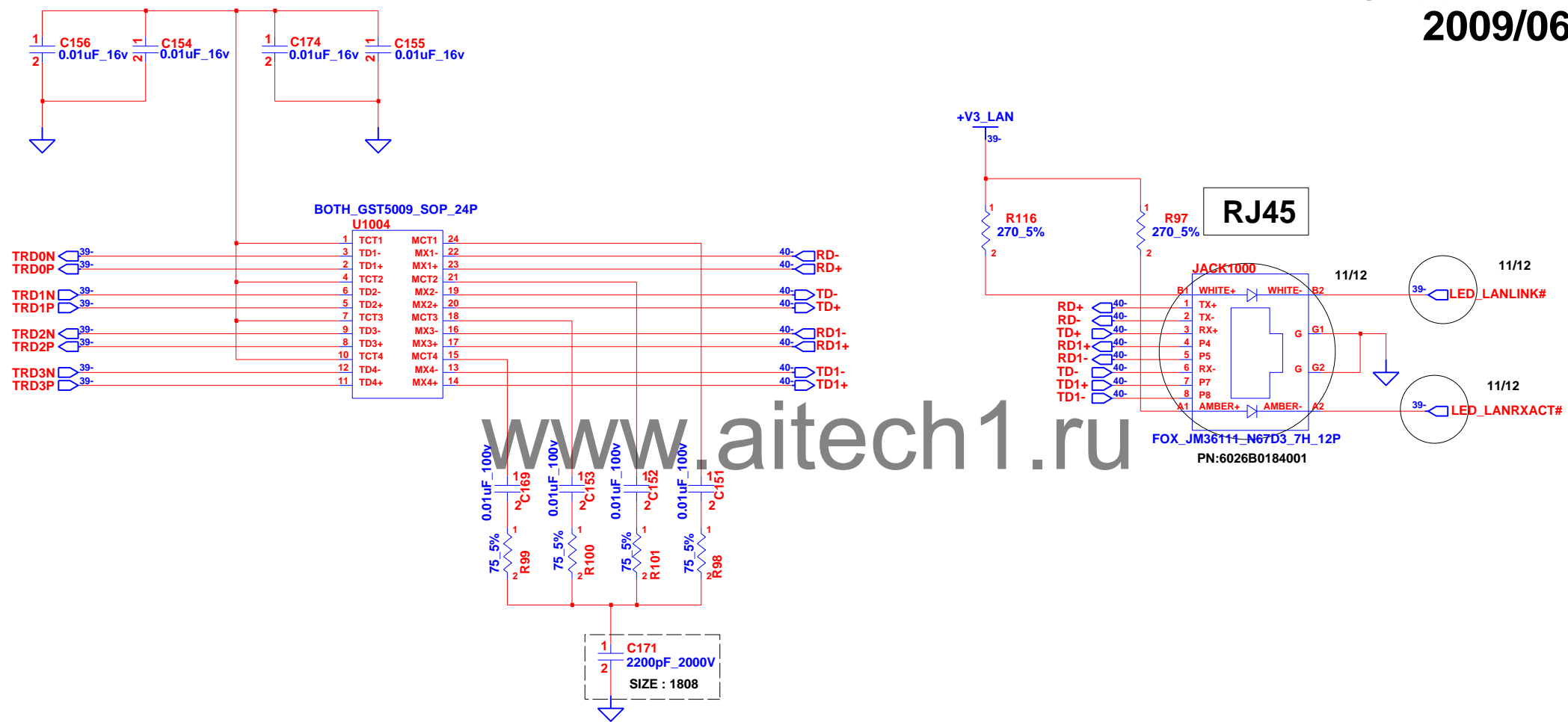
(1.2V output:40mils)

Placed near LAN Controller

TITLE	<i>Calpella-UMA</i>
LAN	

SIZE A3	CODE CS	DOC. NUMBER	REV
SHEET 39 OF 49			

CHANGE by	FRODOI	18-Jun-2009
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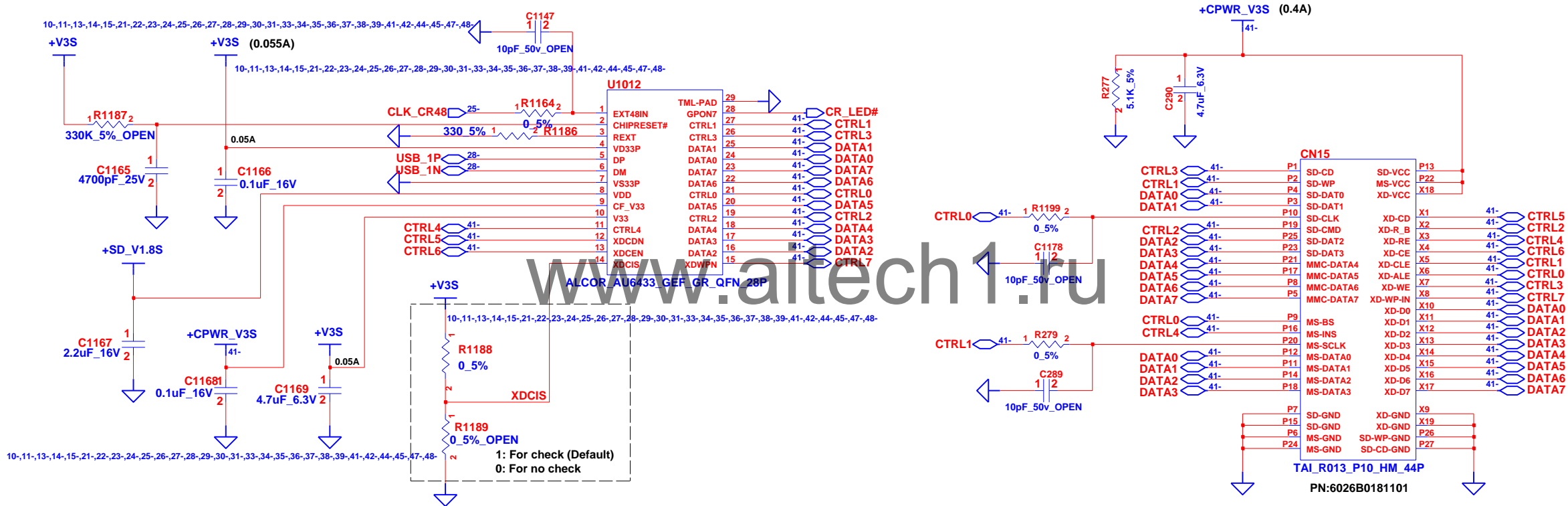
Circuit : Fixed
2009/06/29

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

INVENTEC			
TITLE Calpella-UMA			
RJ-45			
SIZE A3	CODE CS	DOC. NUMBER	REV
SHEET 40		OF 49	

Circuit : Fixed
2009/07/08

Card Reader CONN

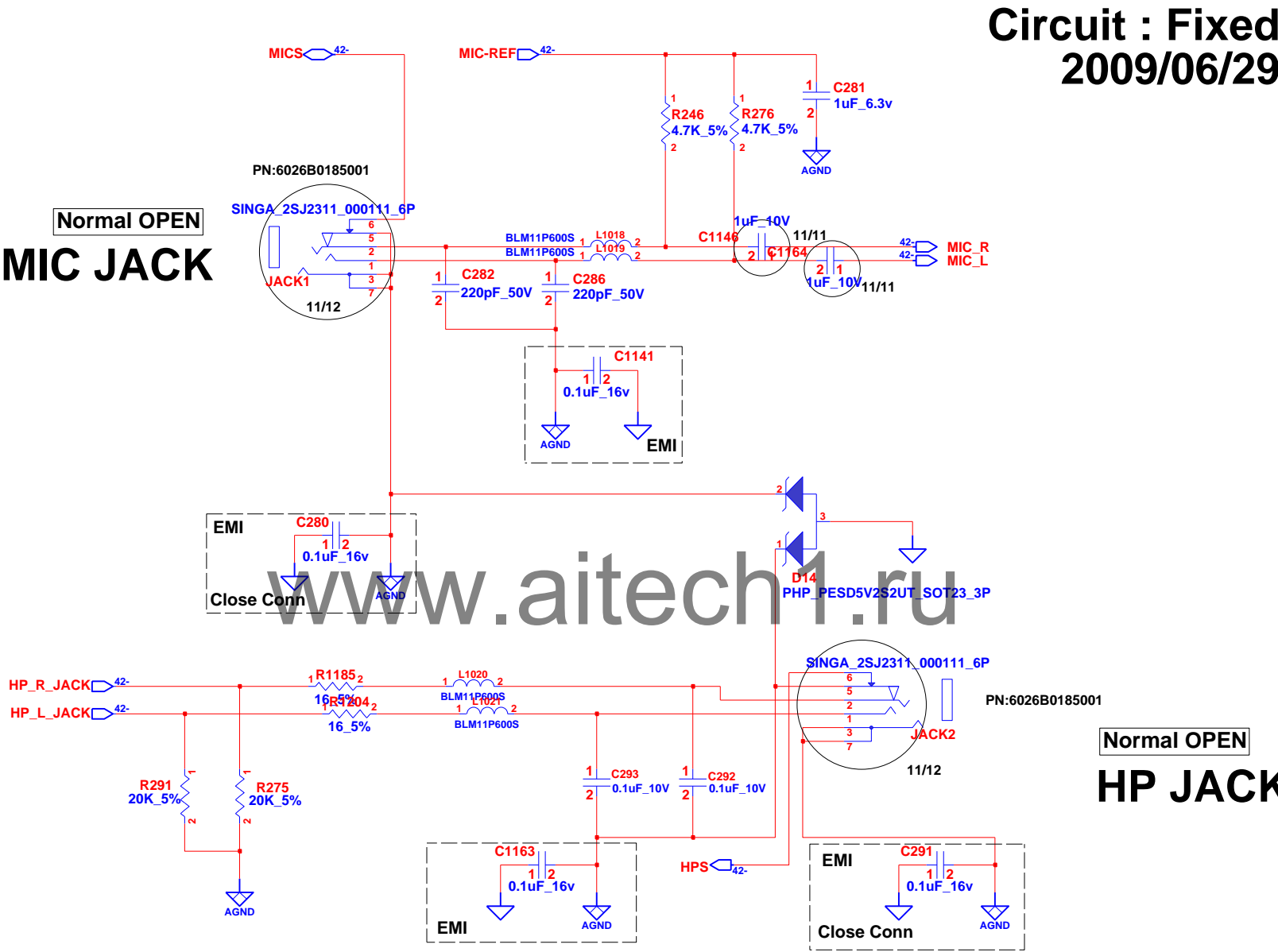


INVENTEC

TITLE
Calpella-UMA
Card Reader

SIZE	CODE	DOC. NUMBER	REV
A3	CS	41 OF 49	

CHANGE by FRODOI 18-Jun-2009



INVENTEC

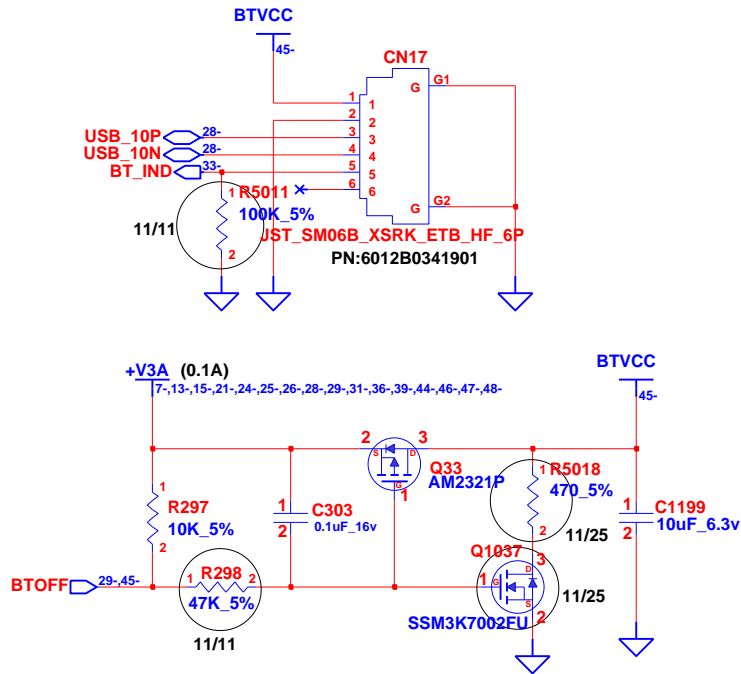
TITLE **Calpella-UMA**
HP JACK & MIC JACK

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

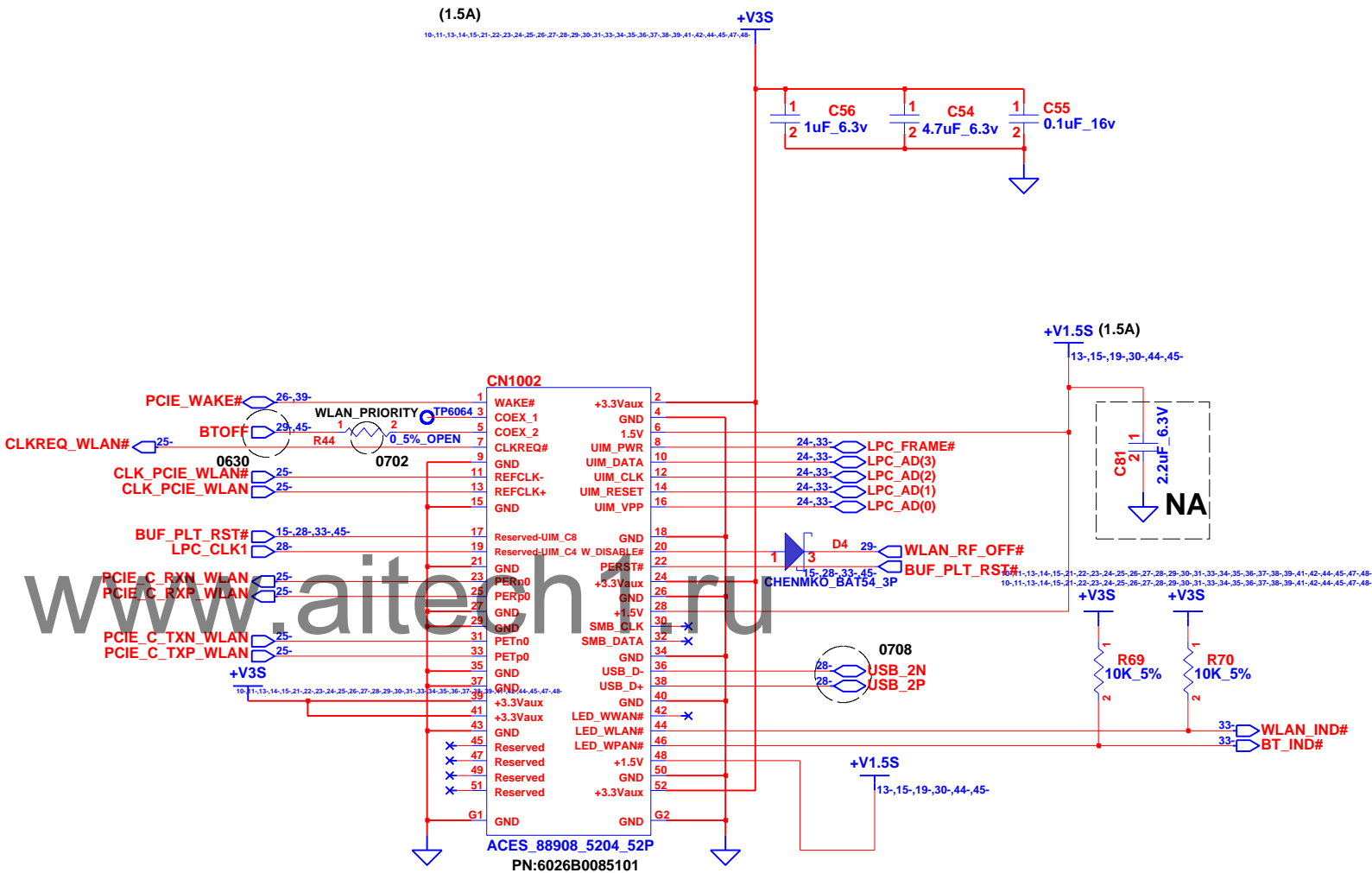
CHANGE by **FRODOI** 18-Jun-2009

SHEET **43** OF **49**

BLUETOOTH CONN



WLAN CONN (MINICARD)



	PCH	SB800\820
WLAN_RF_OFF#	GPIO57	GPIO12
WLAN_POWER_OFF	GPIO35	GPIO176

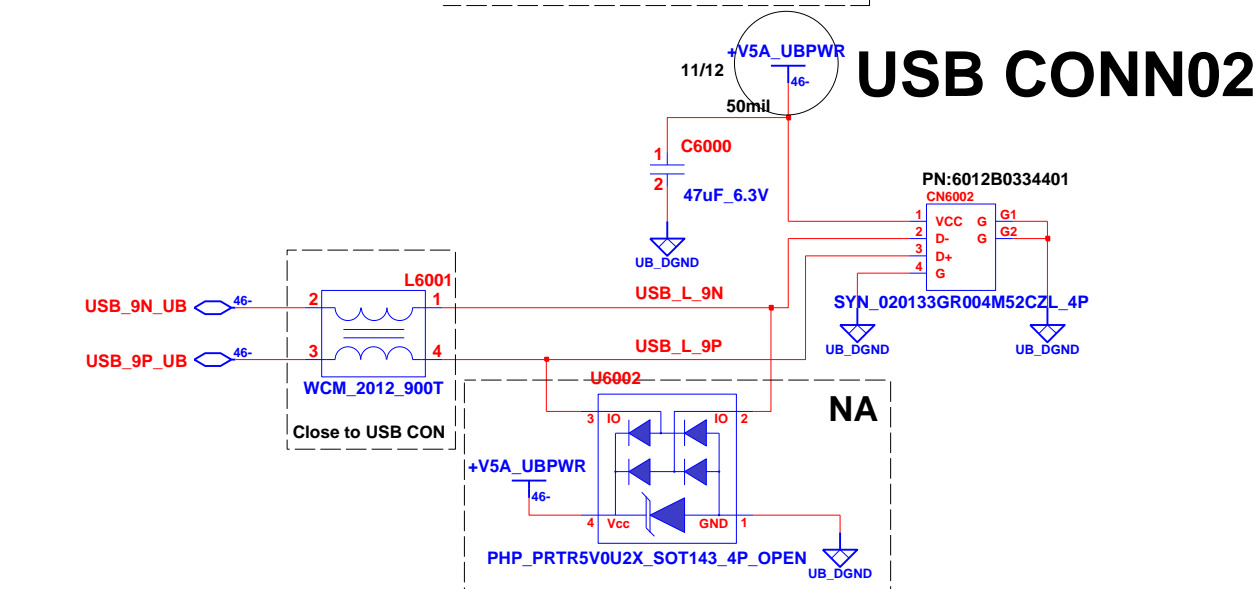
INVENTEC

TITLE Calpella-UMA
WLAN, BT & WebCAM

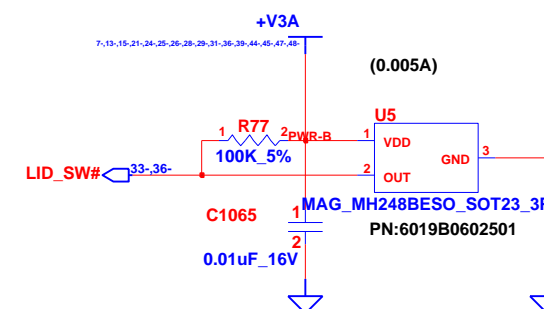
SIZE A3	CODE CS	DOC. NUMBER	REV
SHEET 45	OF 49		

CHANGE by FRODOI 18-Jun-2009

F



2009/06/29



SIZE A3	CODE CS	DOC. NUMBER	REV
SHEET		46	OF 49

OPTION PART

Circuit : Fixed
2009/07/08

SIM CARD CONN

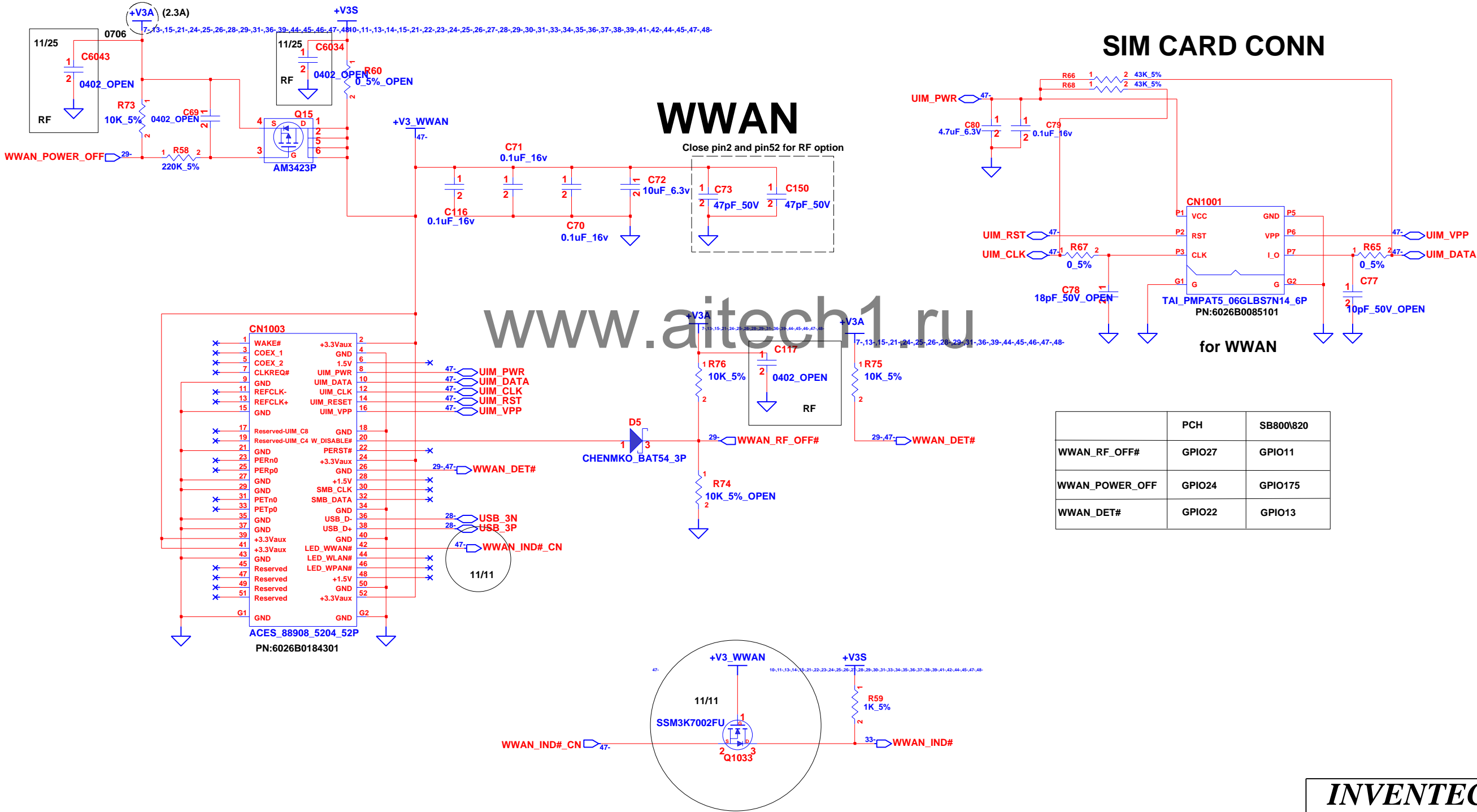
WWAN

Close pin2 and pin52 for RF option

for WWAN

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

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INVENTEC

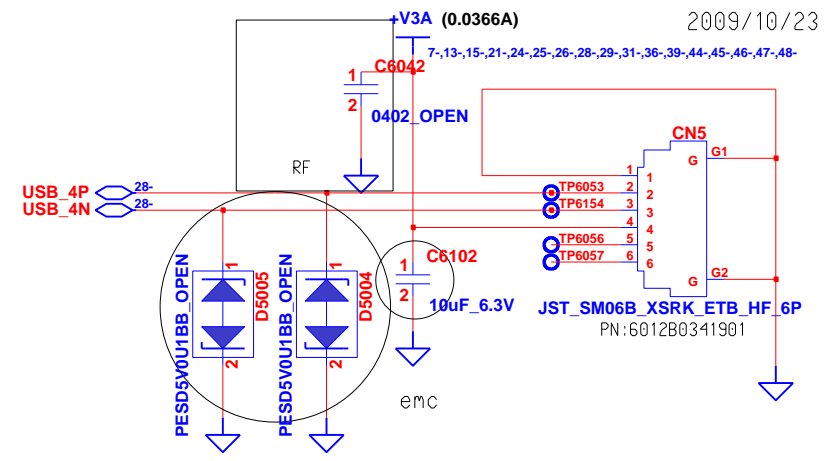
TITLE Calpella-UMA
WWAN(Optional)

SIZE A3	CODE CS	DOC. NUMBER	REV
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CHANGE by FRODOI 18-Jun-2009

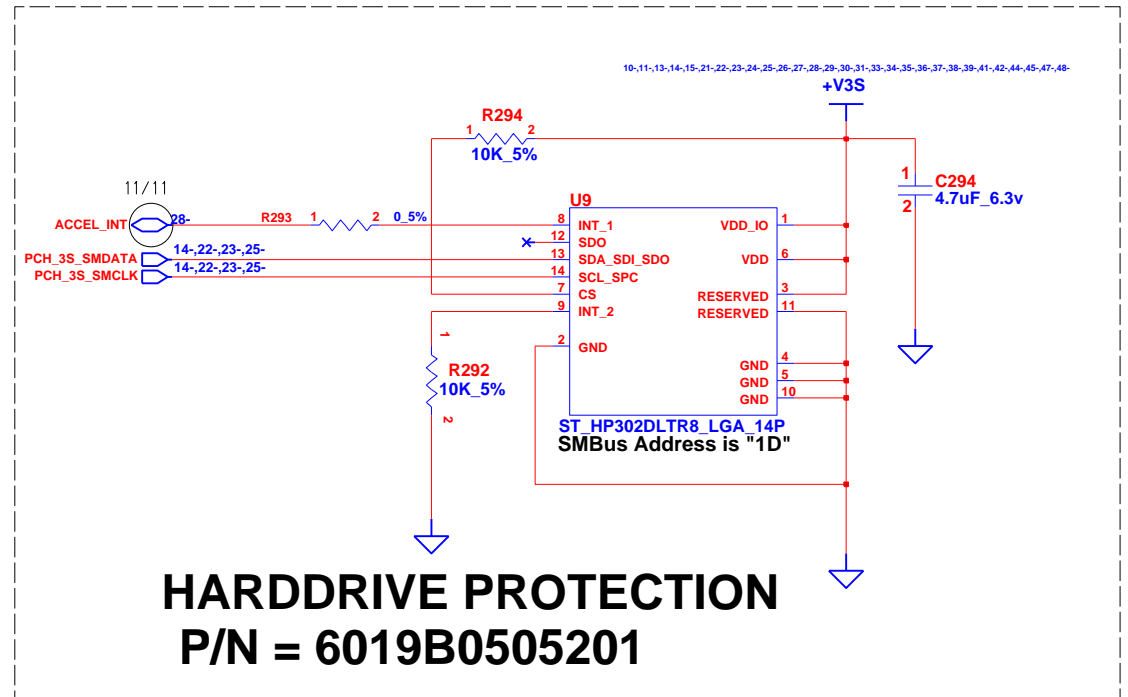
OPTION PART

TOUCH SCREEN

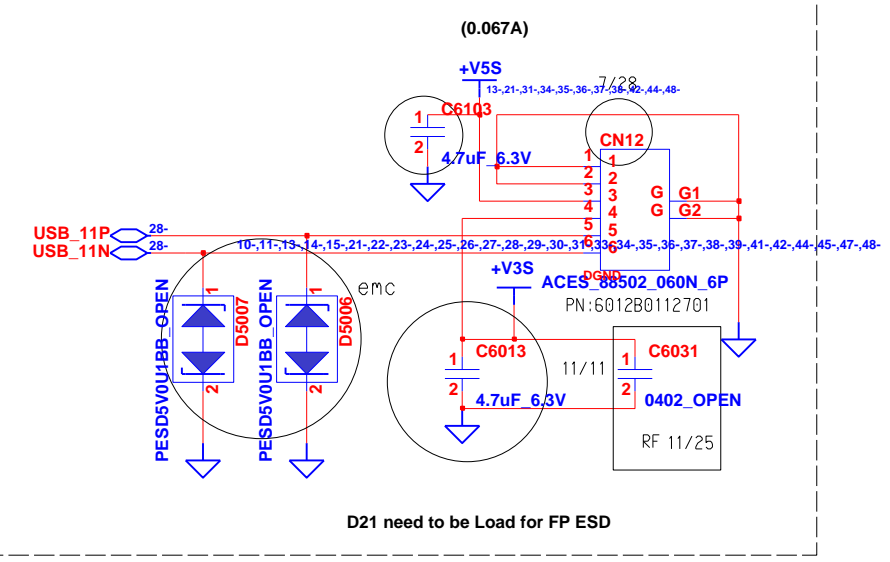


HARDDRIVE PROTECTION

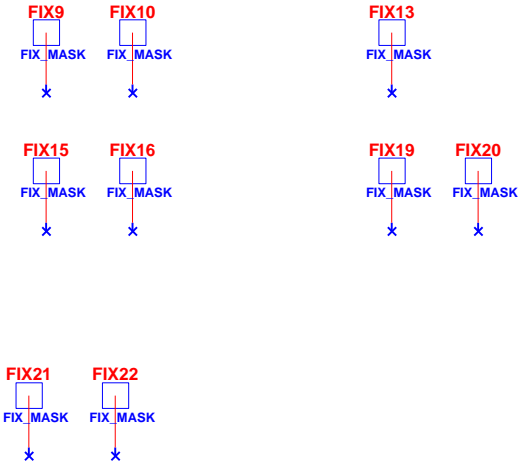
P/N = 6019B0505201



FingerPrint



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INVENTEC

TITLE **FP**

SIZE	CODE	DOC. NUMBER	REV
A3	CS	49 OF 49	

CHANGE by **SANDISI** 23-Oct-2009

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