

	1	2	3	4	5	6	7	8																																																																															
A																																																																																							
B																																																																																							
C																																																																																							
D																																																																																							
E																																																																																							
F	<div><div><div><div><div>VULCAIN</div><div>UMA</div><div>SI Build</div><div>FINAL</div></div><div>2008.12.26</div></div></div><div><table><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td>DATE</td><td>CHANGE NO.</td><td>REV</td></tr></table><table><tr><td>EE</td><td>DATE</td><td>POWER</td><td>DATE</td></tr><tr><td>DRAWER</td><td></td><td></td><td></td></tr><tr><td>DESIGN</td><td></td><td></td><td></td></tr><tr><td>CHECK</td><td></td><td></td><td></td></tr><tr><td>RESPONSIBLE</td><td></td><td></td><td></td></tr><tr><td colspan="4">SIZE = 3 VER :</td></tr><tr><td colspan="4">FILE NAME : XXXX-XXXXXX-XX</td></tr><tr><td>P/N</td><td colspan="3">XXXXXXXXXXXX</td></tr></table><table><tr><td colspan="4">INVENTEC</td></tr><tr><td colspan="4">TITLE VV UMA SATA</td></tr><tr><td>SIZE</td><td>CODE</td><td>DOC. NUMBER</td><td>REV</td></tr><tr><td>D</td><td>CS</td><td>1310A22163-0-MTR</td><td>A01</td></tr><tr><td colspan="2">SHEET</td><td>1</td><td>OF 50</td></tr></table></div></div>																																DATE	CHANGE NO.	REV	EE	DATE	POWER	DATE	DRAWER				DESIGN				CHECK				RESPONSIBLE				SIZE = 3 VER :				FILE NAME : XXXX-XXXXXX-XX				P/N	XXXXXXXXXXXX			INVENTEC				TITLE VV UMA SATA				SIZE	CODE	DOC. NUMBER	REV	D	CS	1310A22163-0-MTR	A01	SHEET		1	OF 50
DATE	CHANGE NO.	REV																																																																																					
EE	DATE	POWER	DATE																																																																																				
DRAWER																																																																																							
DESIGN																																																																																							
CHECK																																																																																							
RESPONSIBLE																																																																																							
SIZE = 3 VER :																																																																																							
FILE NAME : XXXX-XXXXXX-XX																																																																																							
P/N	XXXXXXXXXXXX																																																																																						
INVENTEC																																																																																							
TITLE VV UMA SATA																																																																																							
SIZE	CODE	DOC. NUMBER	REV																																																																																				
D	CS	1310A22163-0-MTR	A01																																																																																				
SHEET		1	OF 50																																																																																				
	1	2	3	4	5	6	7	8																																																																															

TABLE OF CONTENTS

PAGE

5- DC& BATTERY CHARGER
6- SELECT & BATTERY CONN
7- SYSTEM POWER(3V/5V)
8- SYSTEM POWER(+V1.8/+V1.25S)
9- SYSTEM POWER(+VGFX/+VCCP)
10- SYSTEM POWER(+V1.5S)
11- CPU POWER(VCC_CORE)
12- DDR TERMINATION VOLTAGE
13- POWER(SLEEP)
14- POWER(SEQUENCE)

PAGE

15- CLOCK_GENERATOR
16- PENRYN-1
17- PENRYN-2
18- PENRYN-3
19- THERMAL&FAN CONTROLLER
20- Crestline-1
21- Crestline-2
22- Crestline-3
23- Crestline-4
24- Crestline-5
25- Crestline-6
26- DDR2-DIMM0
27- DDR2-DIMM1
28- DDR2-DAMPING
29- VGA CONN
30- LCM CONN
31- ICH8-1
32- ICH8-2
33- ICH8-3
34- ICH8-4
35- ICH8-5

PAGE

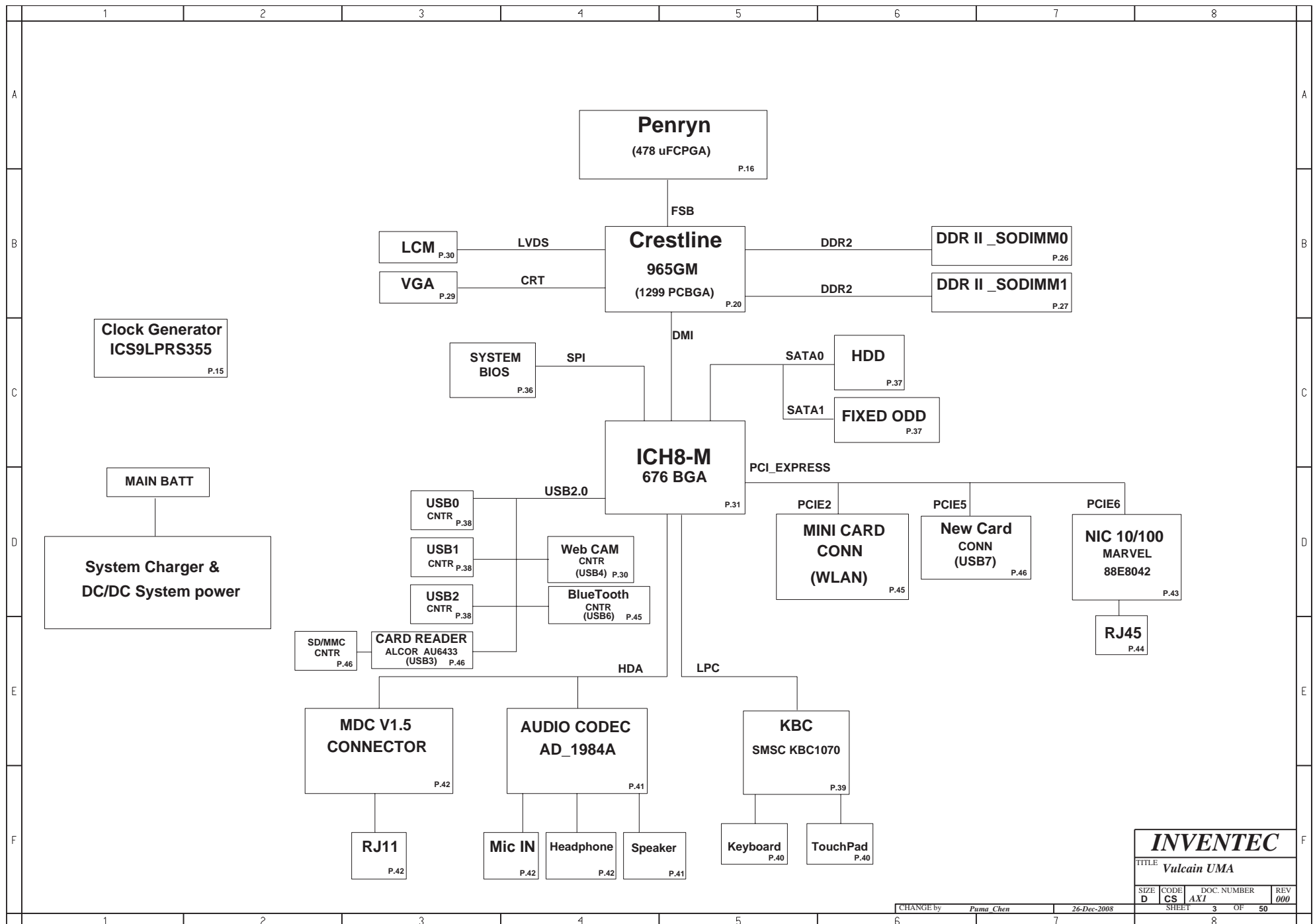
36- SYSTEM BIOS
37- HDD&ODD CONN
38- USB CONN
39- KBC
40- KB&TP CONN
41- AUDIO CODEC
42- MDC CONN & AUDIO JACK
43- NIC 10/100- CONTROLLER
44- NIC 10/100- RJ45 CONN
45- MINICARD & BT CONN
46- NEW CARD & SD/MMC
47- LED & BUTTON&LID SWITCH
48- SCREW HOLE
49- SWITCH Board
50- ODD Extend Board

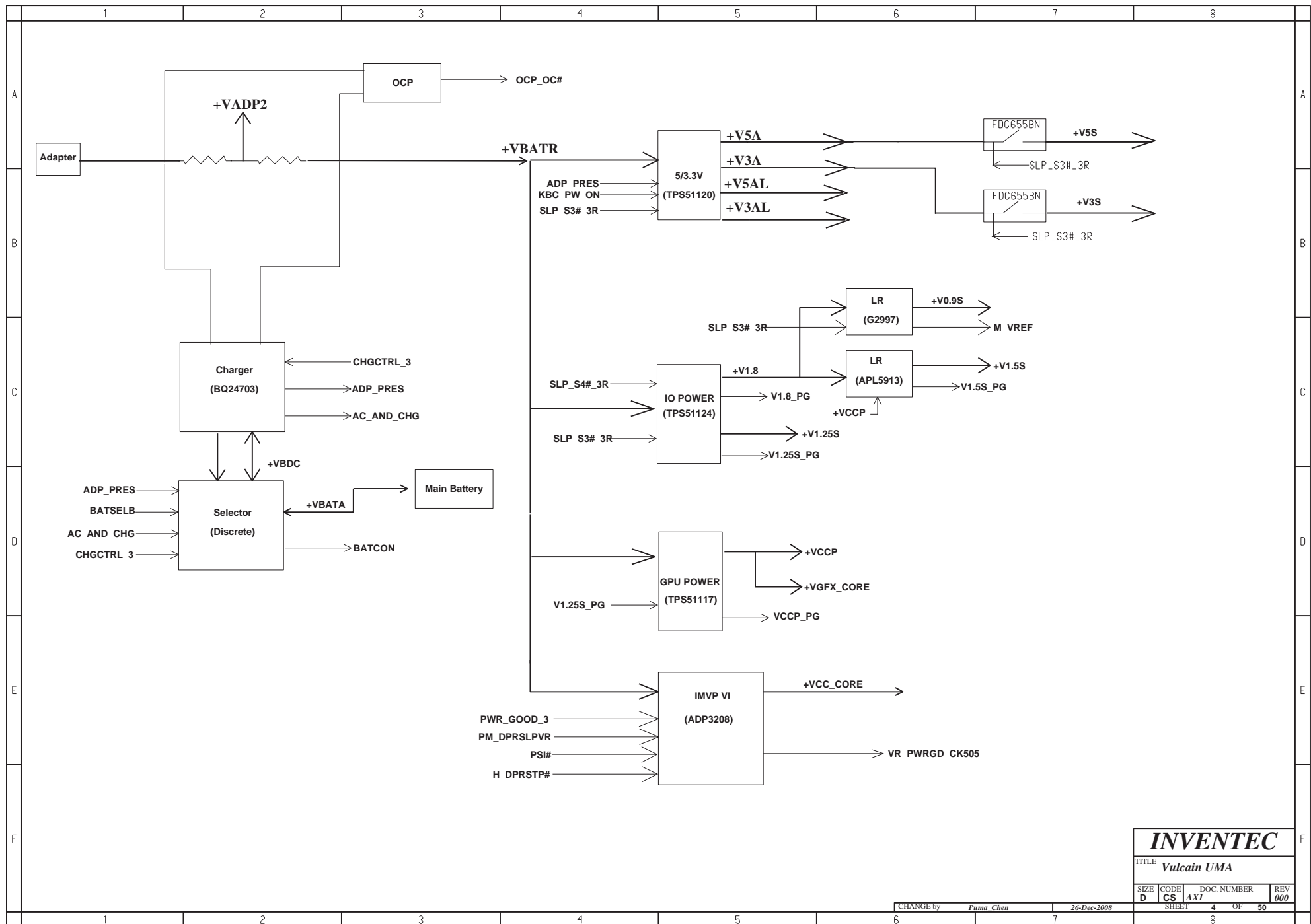
INVENTEC

TITLE **Vulcain UMA**

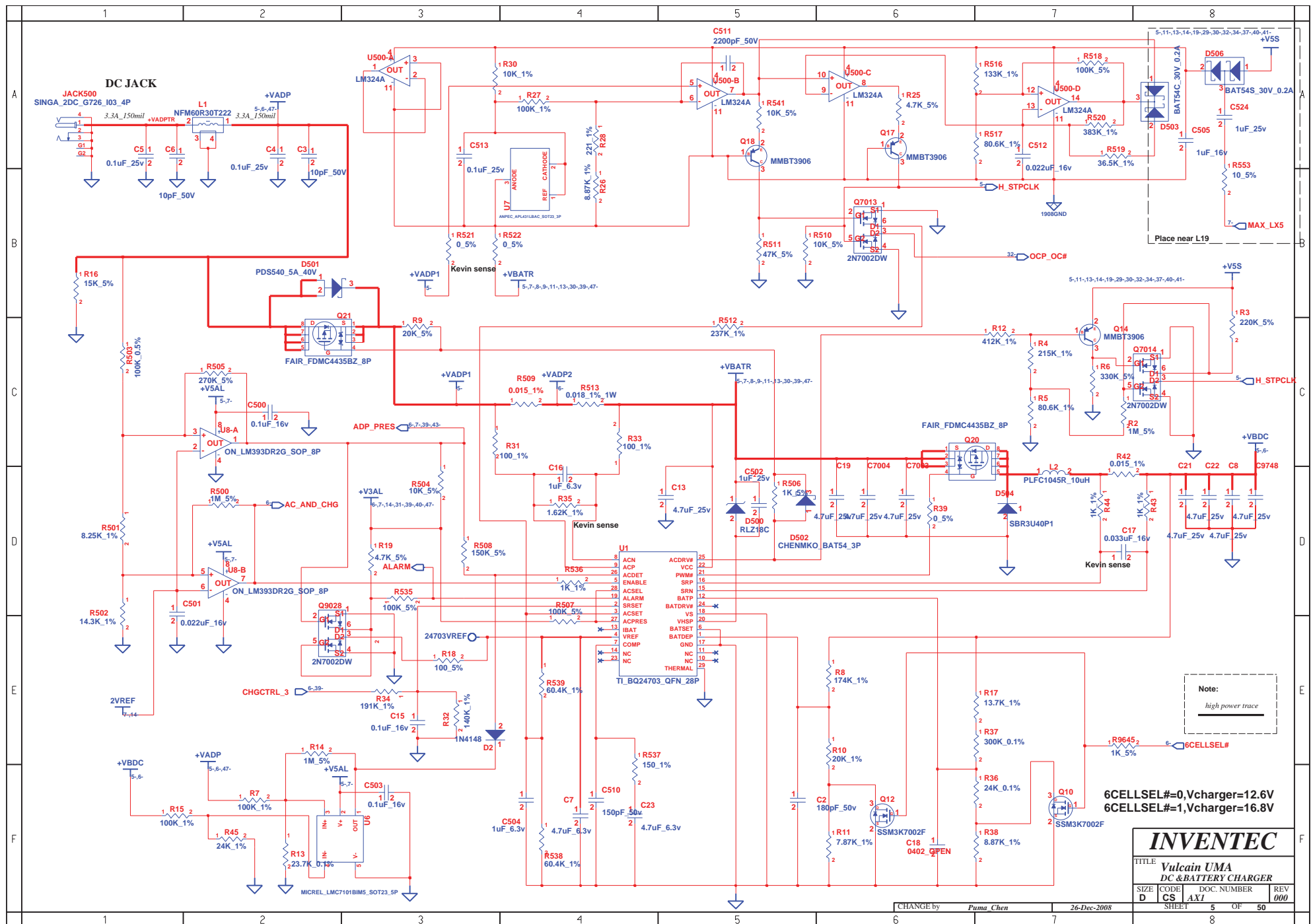
SIZE D	CODE CS	DOC. NUMBER AXI	REV 000
SHEET		2	OF 50

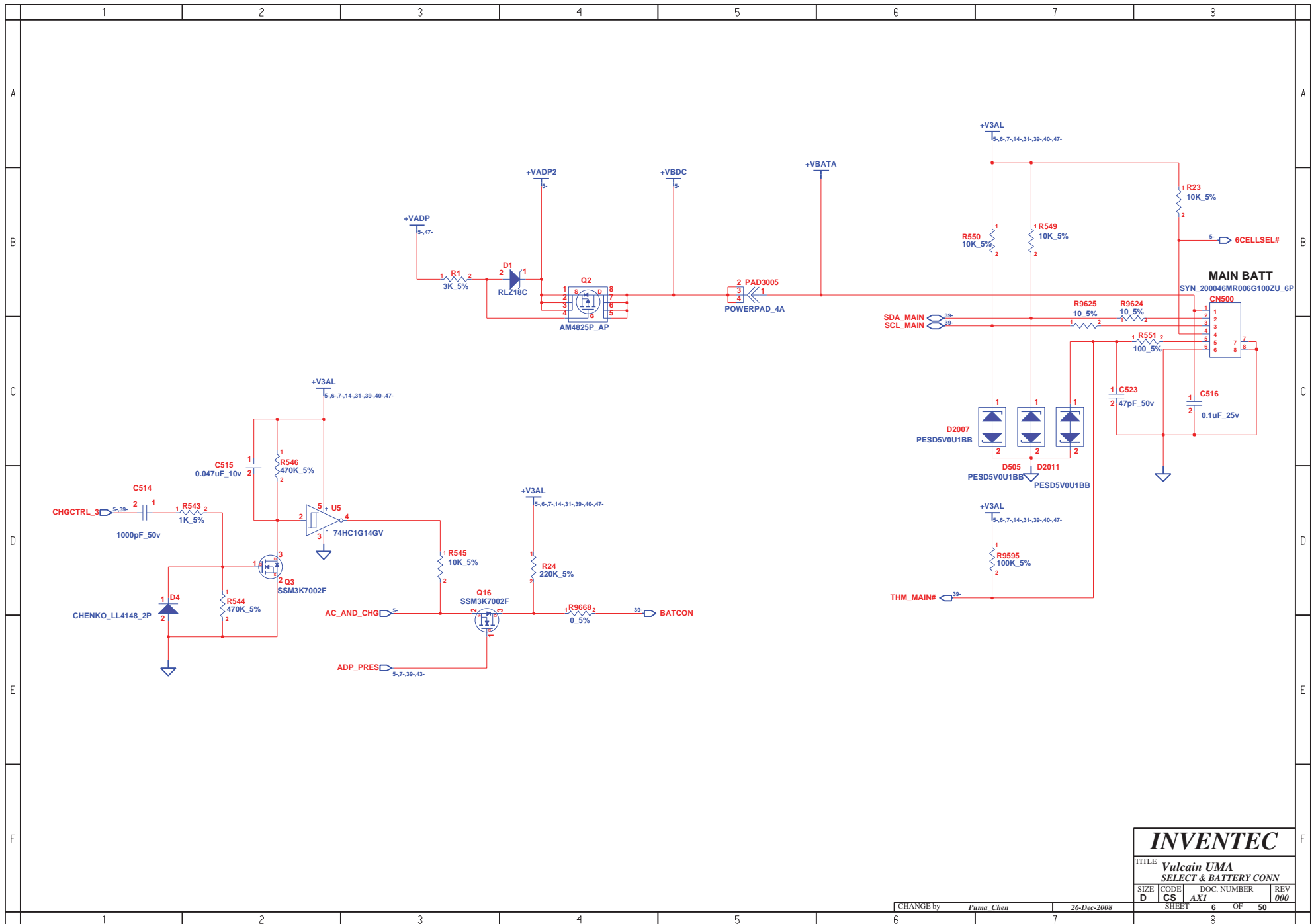
CHANGE by *Puma Chen* 26-Dec-2008



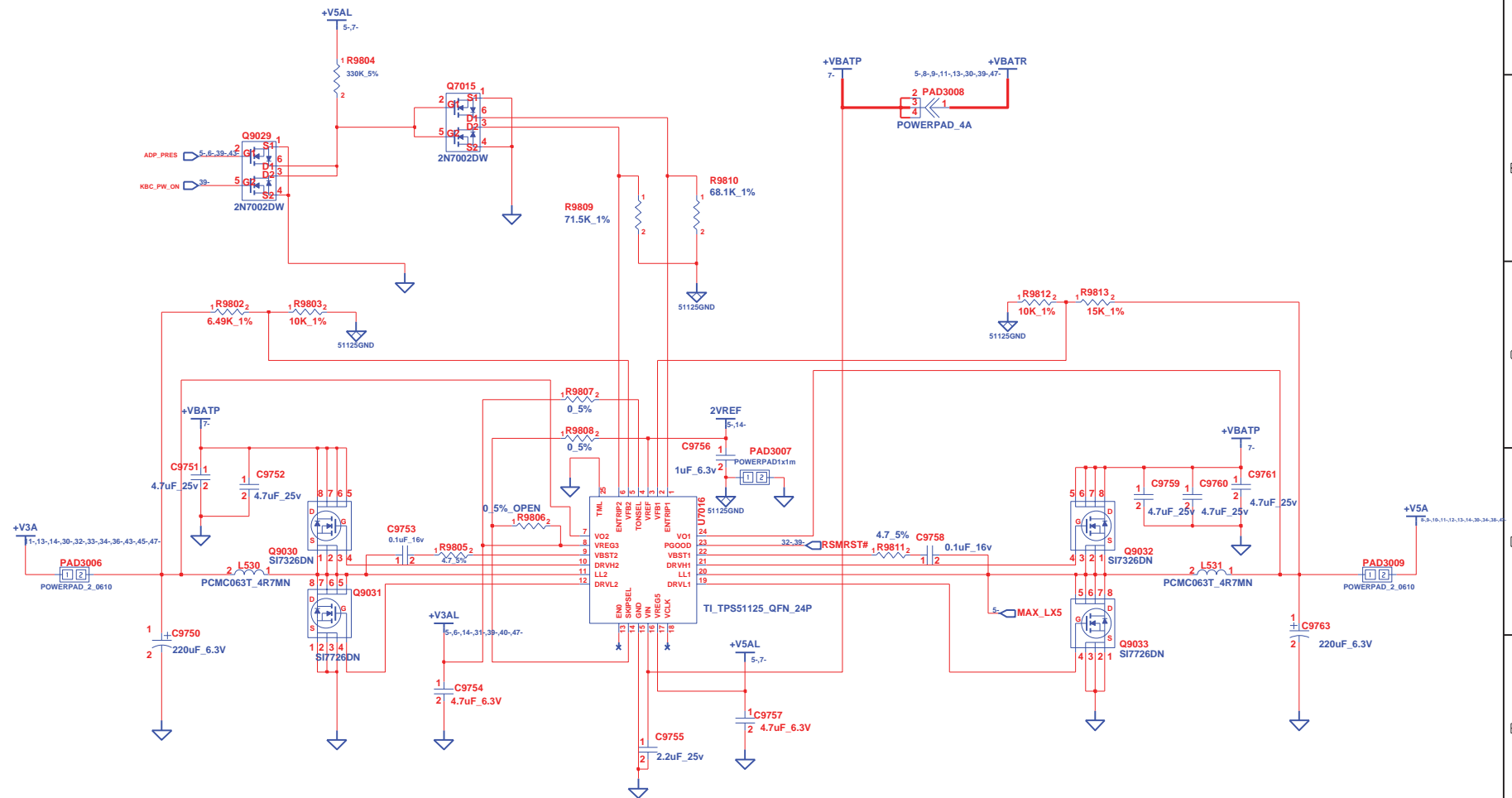


INVENTEC				
TITLE Vulcain UMA				
SIZE D	CODE CS	DOC. NUMBER AXI	REV 000	
CHANGE by Pama Chen		26-Dec-2008	SHEET 4	OF 50





INVENTEC			
TITLE Vulcain UMA SELECT & BATTERY CONN			
SIZE D	CODE CS	DOC. NUMBER AXI	REV 000
CHANGE by Puma Chen		26-Dec-2008	
SHEET		6 OF 50	



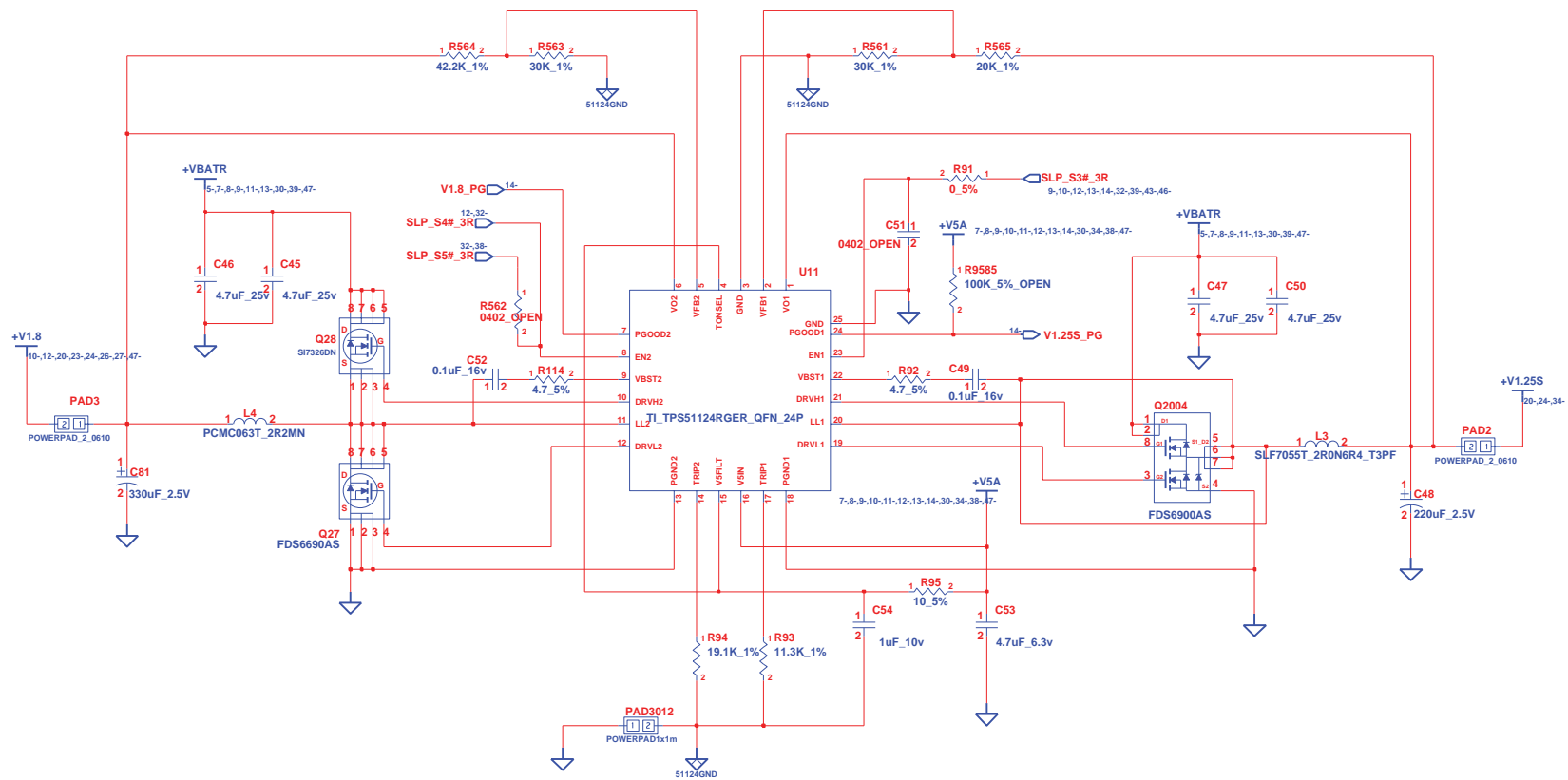
INVENTEC

TITLE
Vulcain UMA
SYSTEM POWER(3V/5V/12V)

SIZE D CODE CS AXI DOC. NUMBER REV 000

CHANGE by Pama Chen 26-Dec-2008

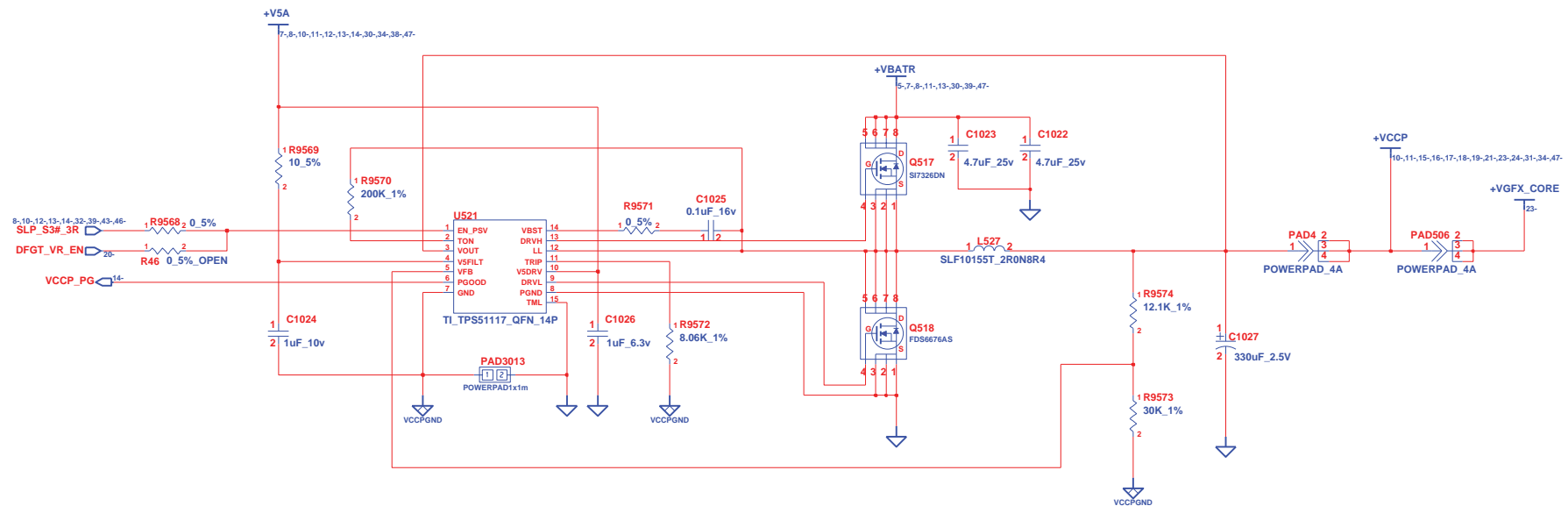
SHEET 7 OF 50



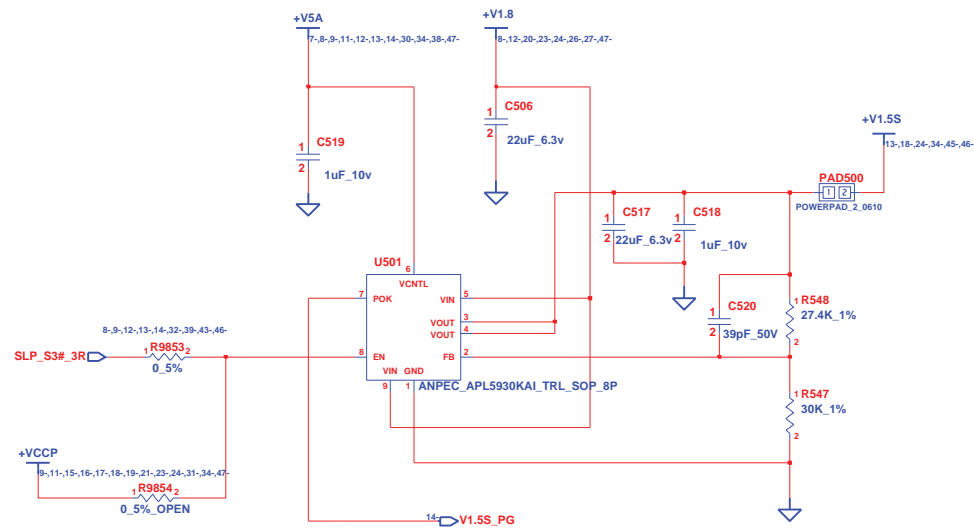
INVENTEC			
TITLE: Vulcan UMA			
SYSTEM POWER(+V1.8/+V1.25S)			
SIZE	CODE	DOC. NUMBER	REV
D	CS	AXI	000

CHANGE by Pama Chen 26-Dec-2008

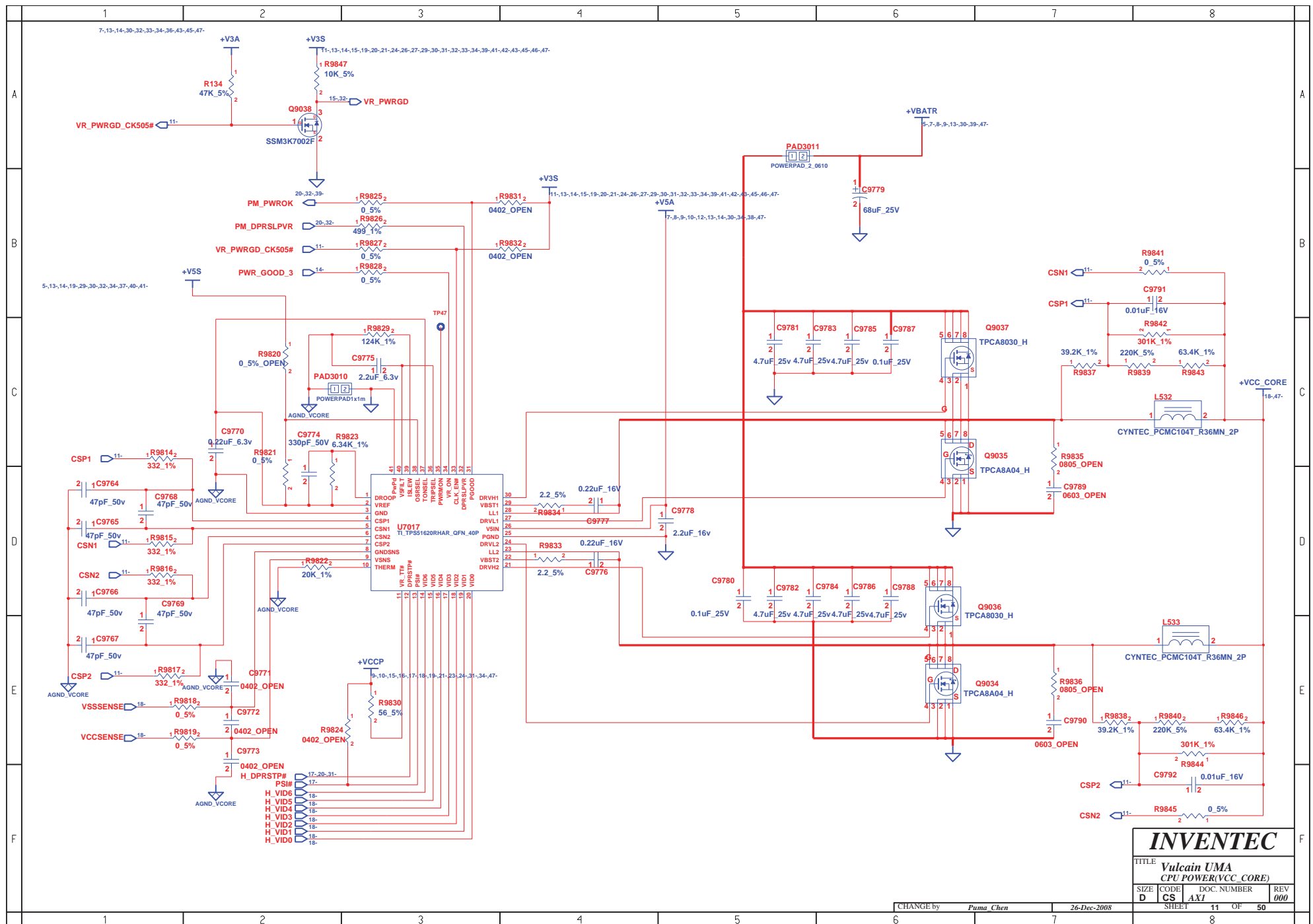
SHEET 8 OF 50

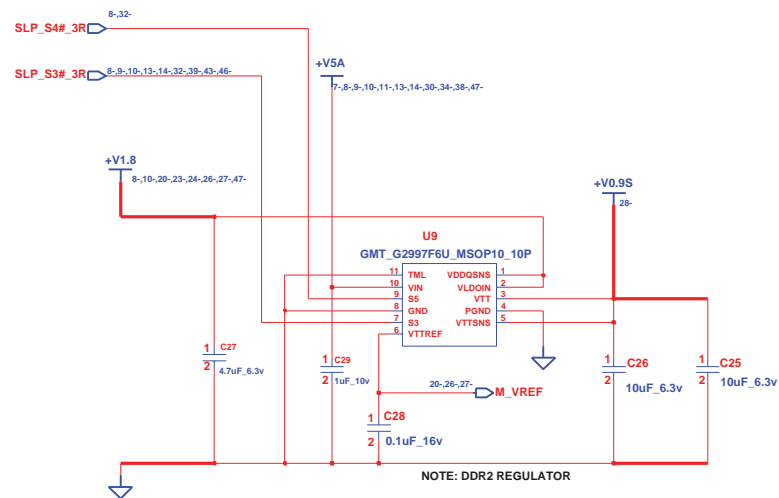


INVENTEC			
TITLE Vulcain UMA GRAPHIC POWER (+VGFX_CORE)			
SIZE D	CODE CS	DOC. NUMBER AXI	REV 000
CHANGE by Puma Chen		26-Dec-2008	
SHEET 9		OF 50	

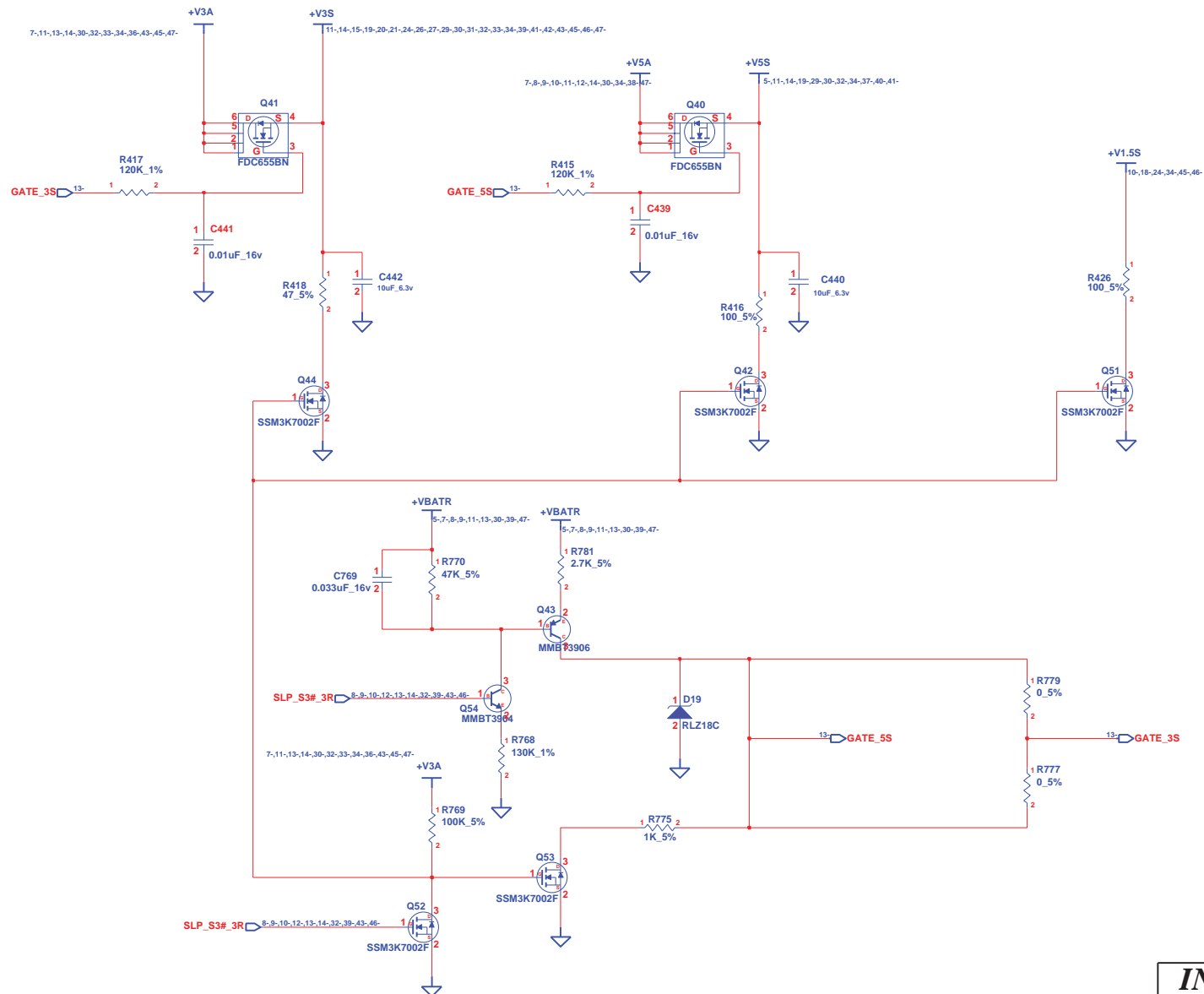


INVENTEC			
TITLE Vulcain UMA			
SYSTEM POWER(+VCCP/+V1.5S)			
SIZE D	CODE CS	DOC. NUMBER AXI	REV 000
CHANGE by Pama Chen		26-Dec-2008	
SHEET 10		OF 50	

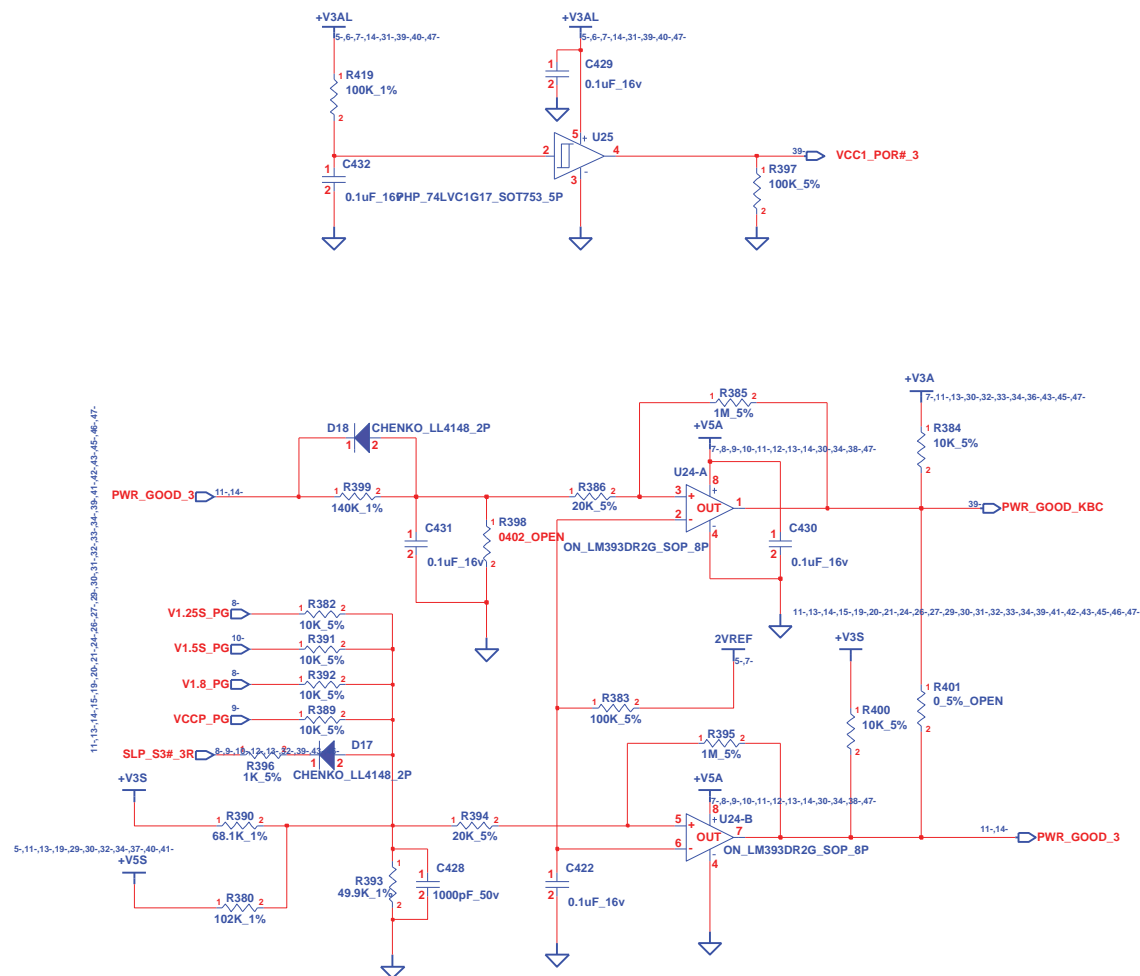




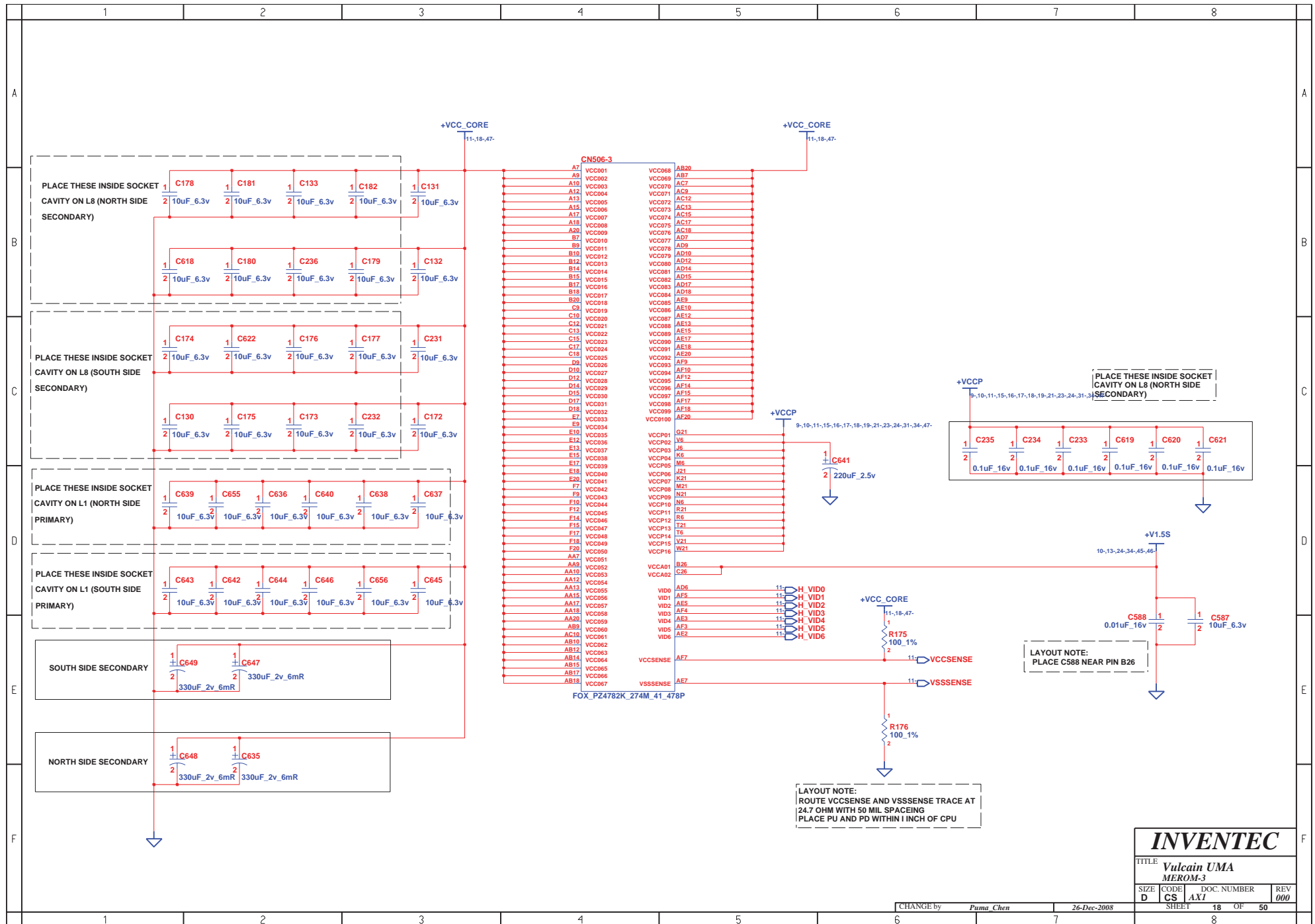
INVENTEC			
TITLE Vulcain UMA DDR TERMINATION VOLTAGE			
SIZE D	CODE CS	DOC. NUMBER AXI	REV 000
CHANGE by Pama Chen		26-Dec-2008	
SHEET		12 OF 50	



INVENTEC			
TITLE Vulcain UMA POWER(SLEEP)			
SIZE D	CODE CS	DOC. NUMBER AXI	REV 000
CHANGE by Puma Chen		26-Dec-2008	
SHEET 13		OF 50	
		8	

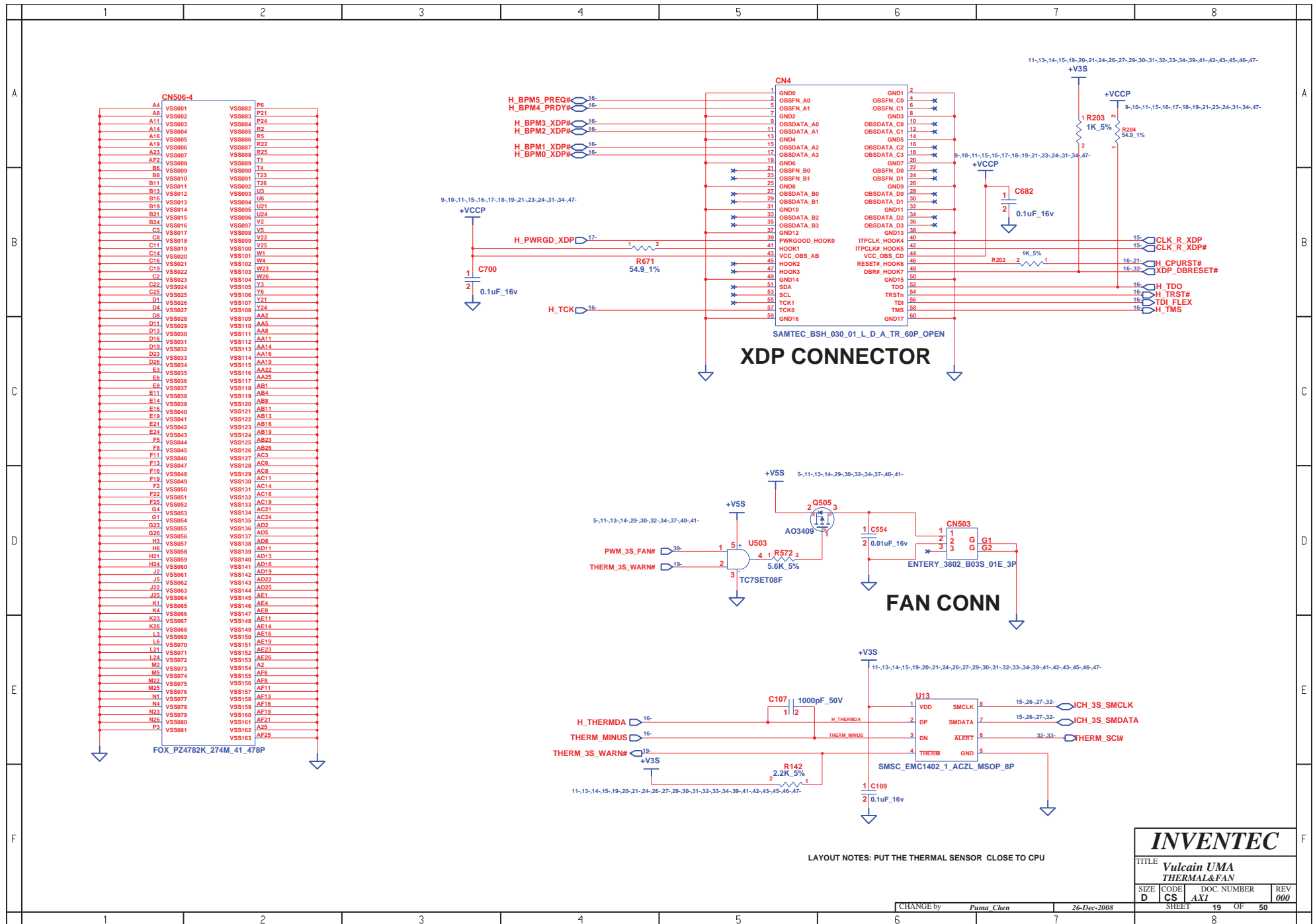


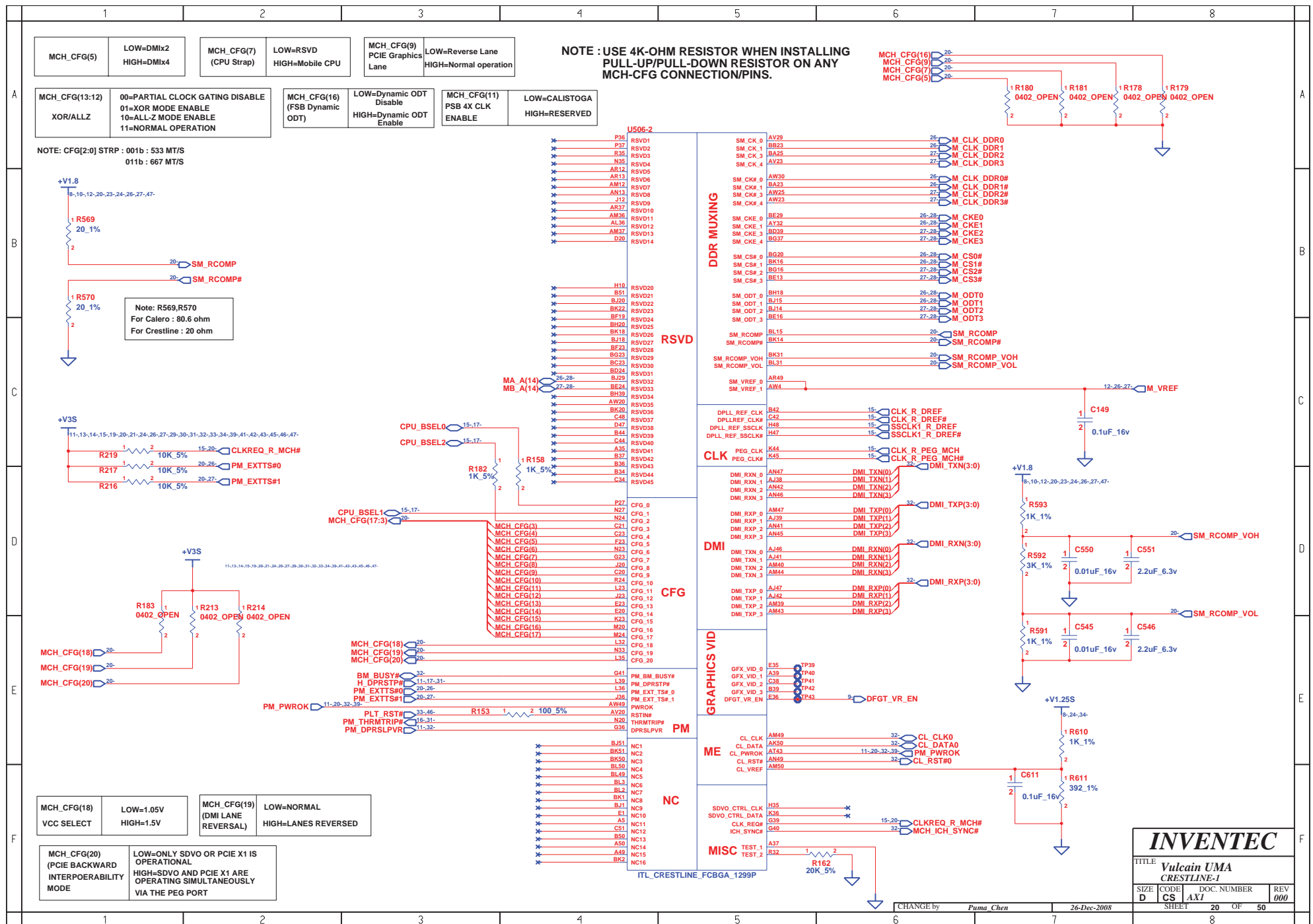
INVENTEC			
TITLE Vulcain UMA POWER(SEQUENCE)			
SIZE D	CODE CS	DOC. NUMBER AXI	REV 000
CHANGE by Pama Chen		26-Dec-2008	
SHEET 14		OF 50	

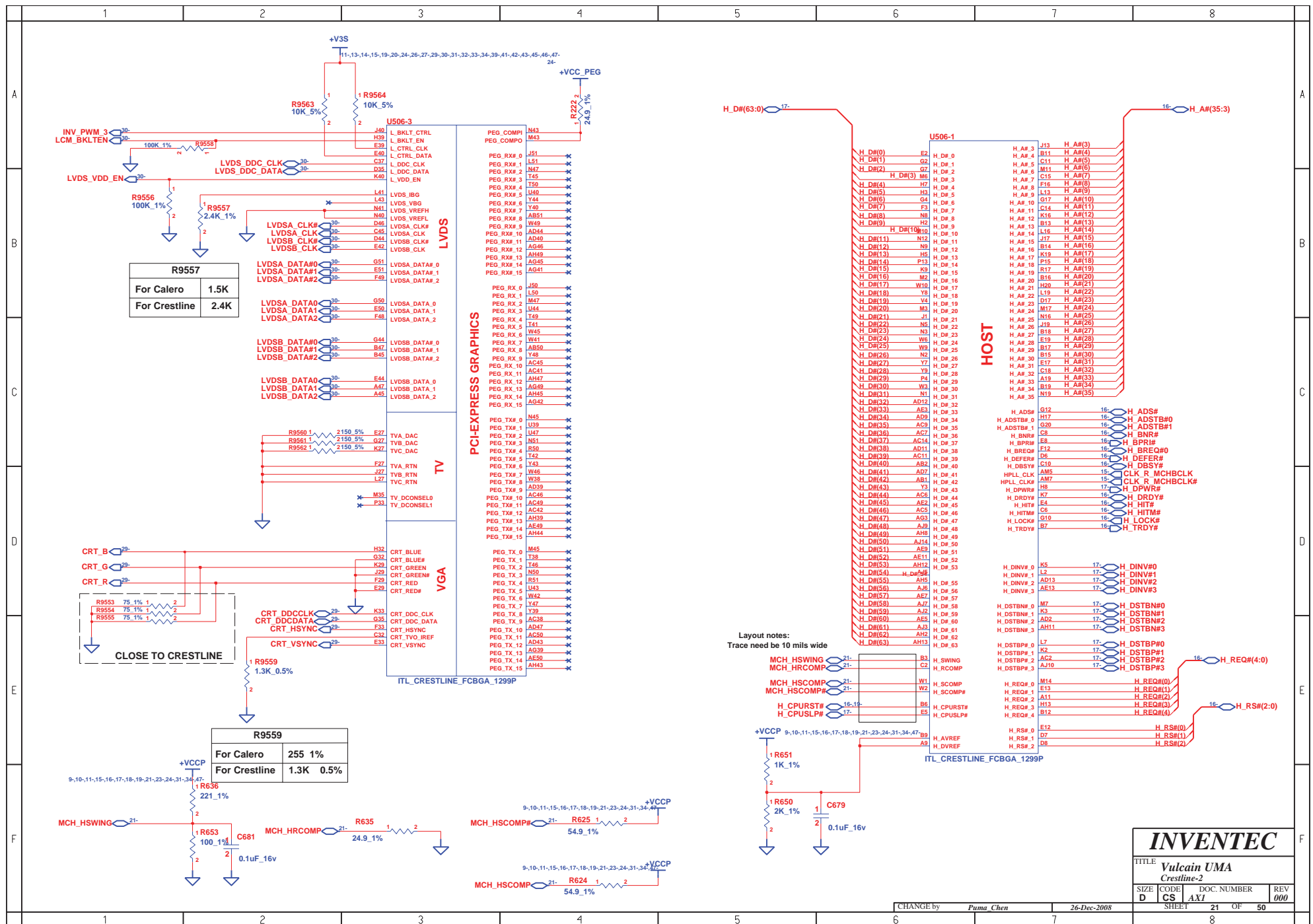


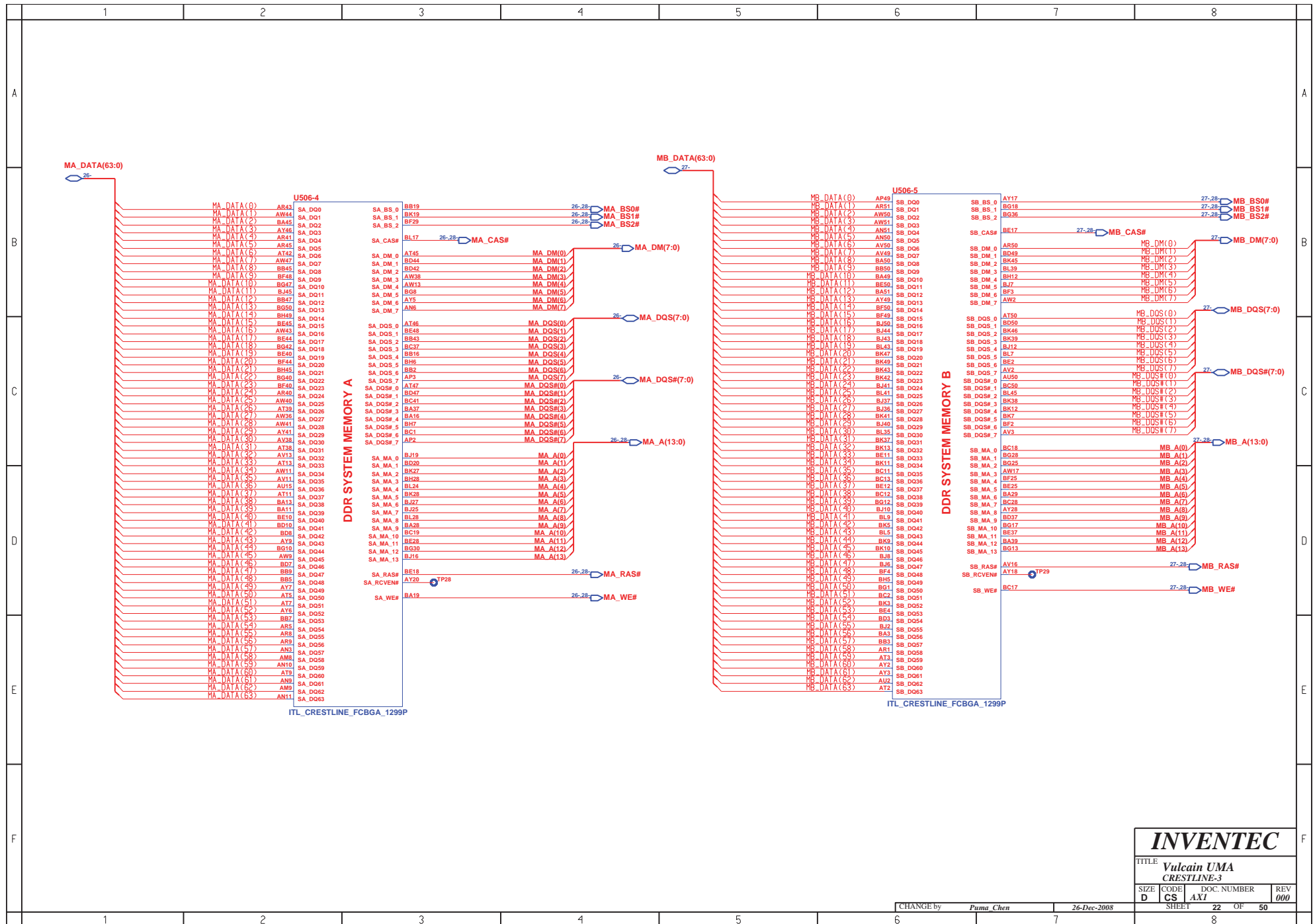
INVENTEC

TITLE Vulcain UMA MEROM-3			
SIZE D	CODE CS	DOC. NUMBER AX1	REV 000
CHANGE by Puma Chen		26-Dec-2008	
SHEET 18		OF 50	









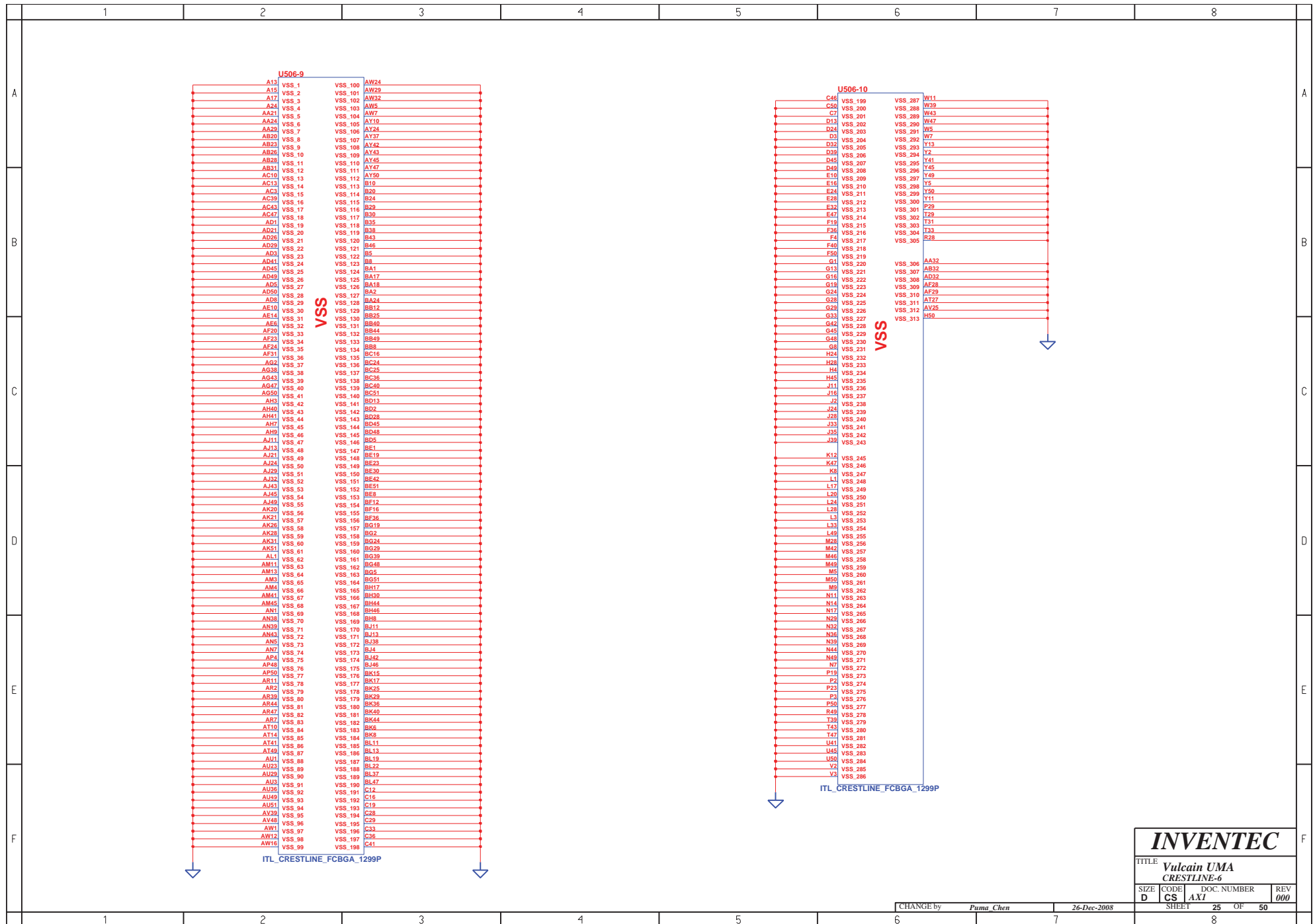
INVENTEC

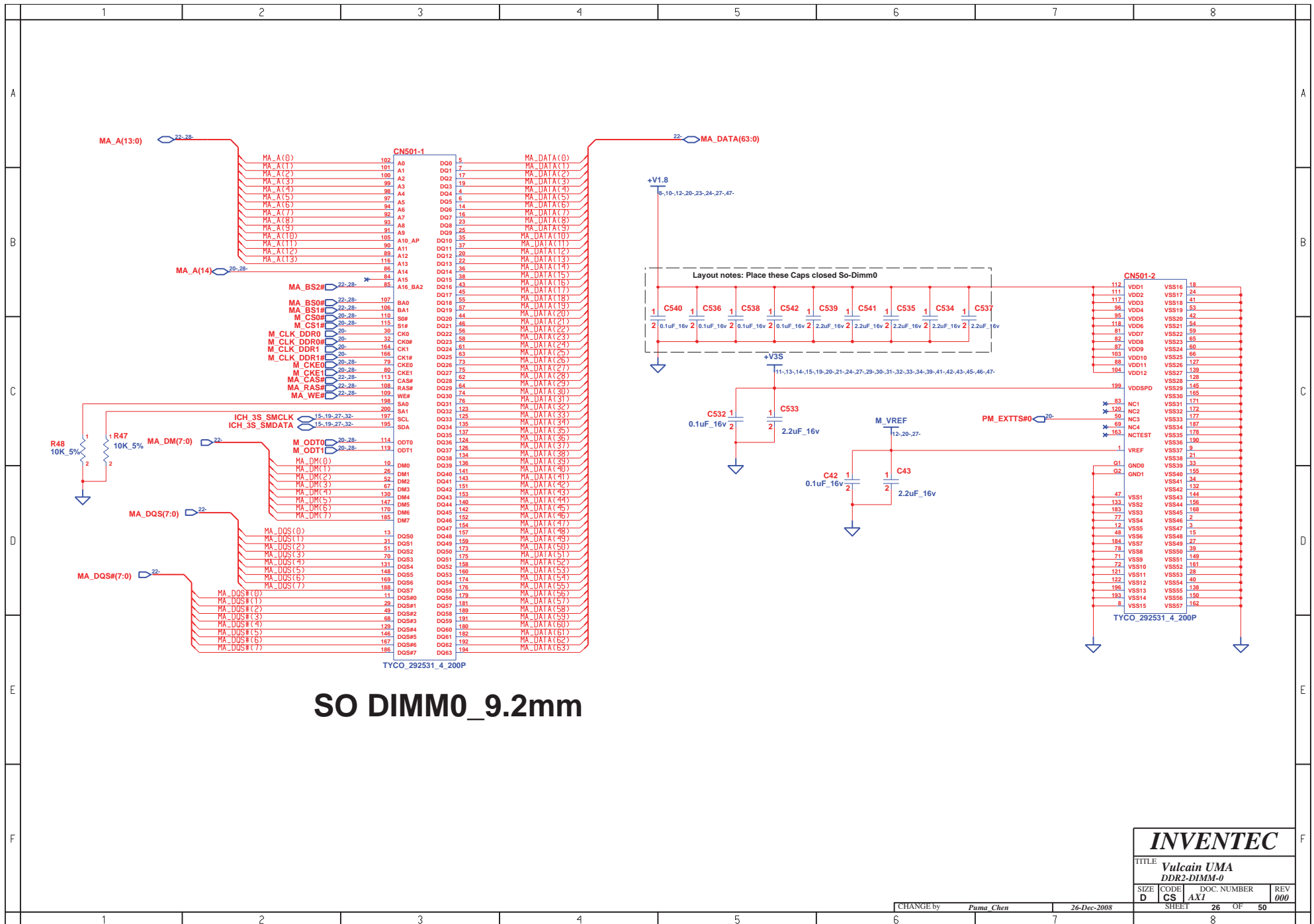
TITLE
**Vulcain UMA
CRESTLINE-3**

SIZE D	CODE CS	DOC. NUMBER AX1	REV 000
-----------	------------	--------------------	------------

SHEET		22	OF	50
		8		

CHANGE by Puma Chen 26-Dec-2008





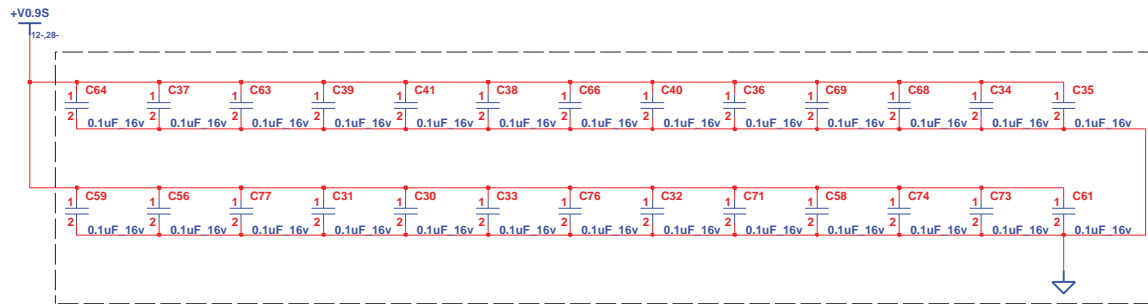
SO DIMM0_9.2mm

INVENTEC

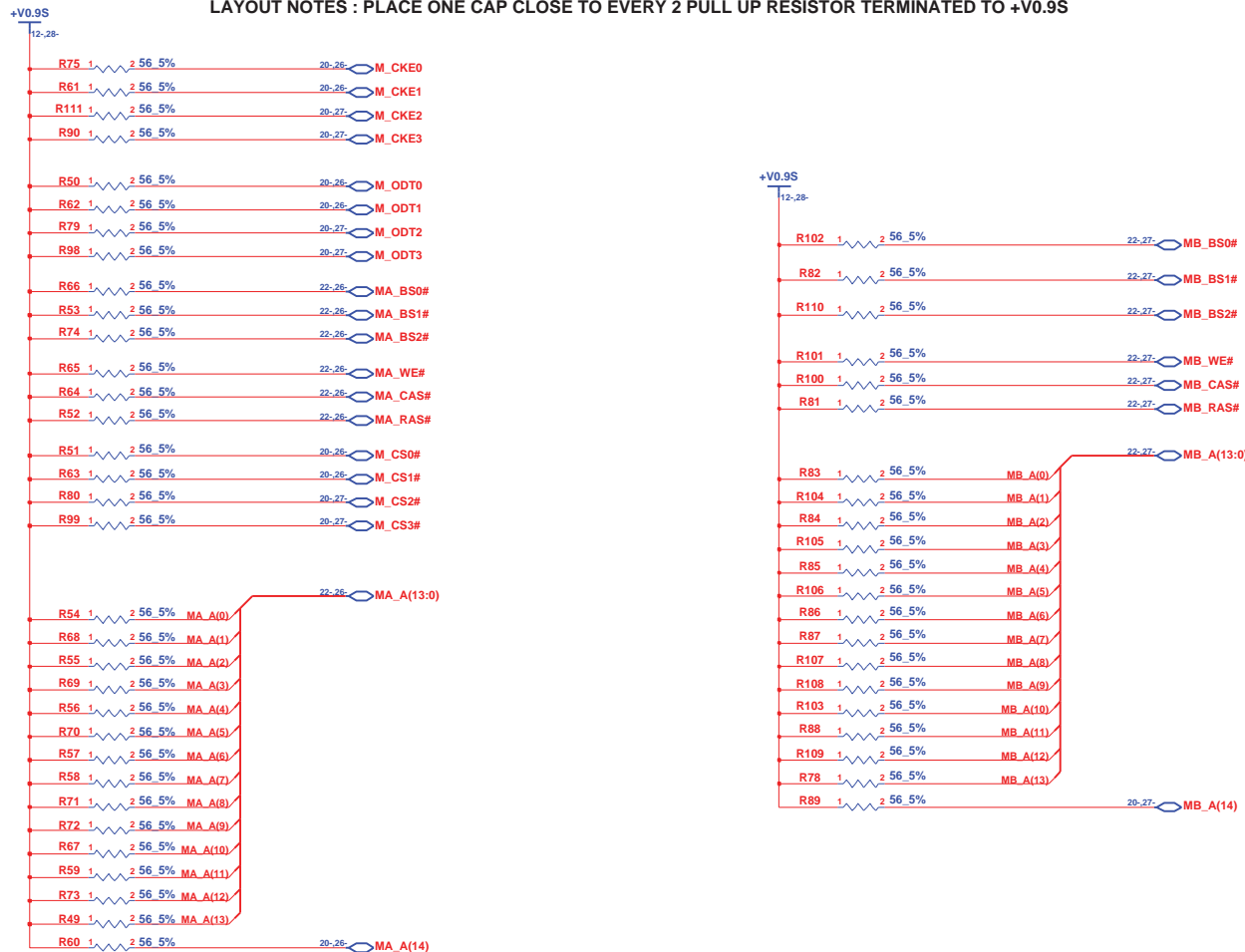
TITLE
Vulcain UMA
DDR2-DIMM-0

SIZE CODE DOC. NUMBER REV
D CS AX1 26 OF 50 000

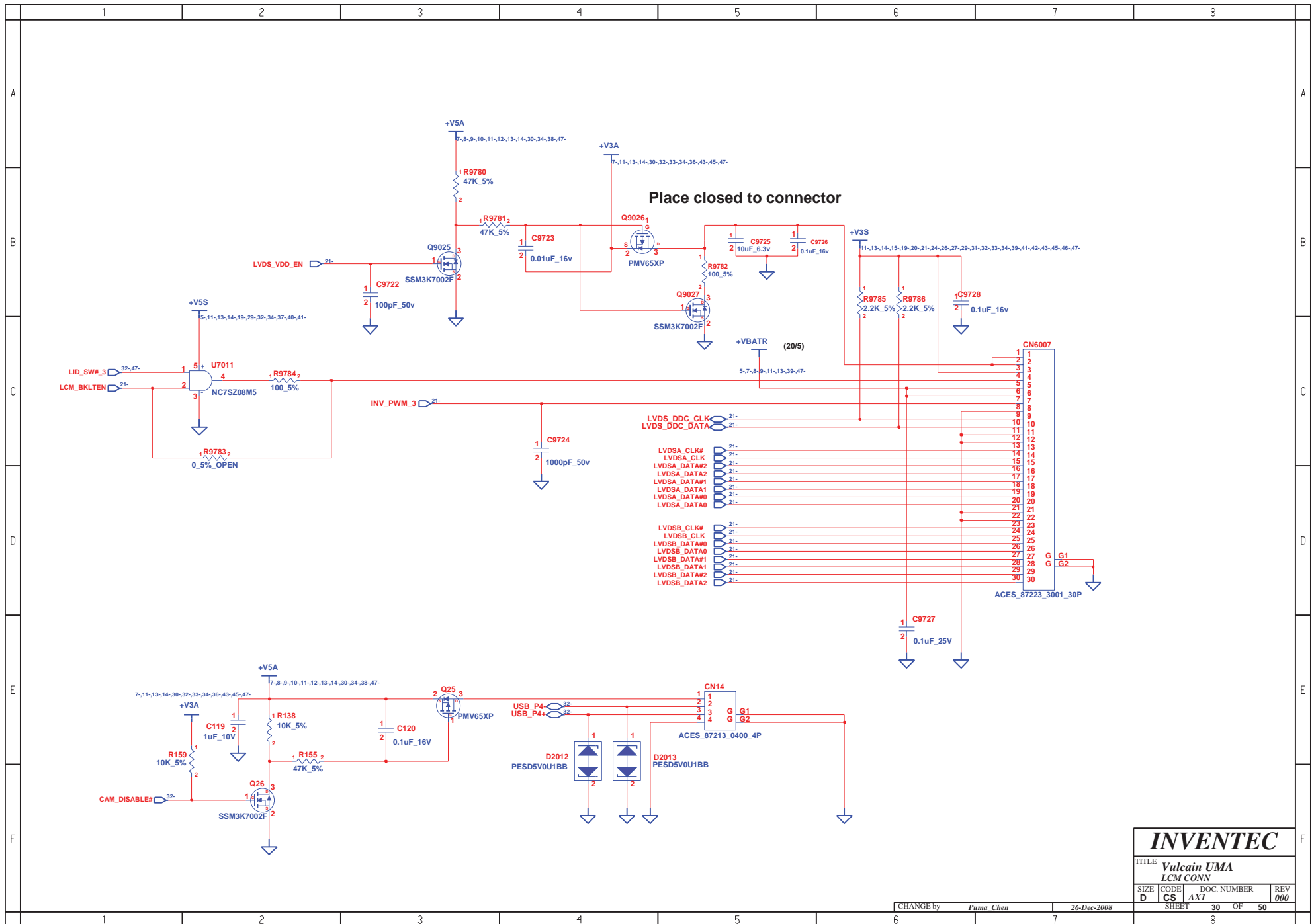
CHANGE by Puma Chen 26-Dec-2008

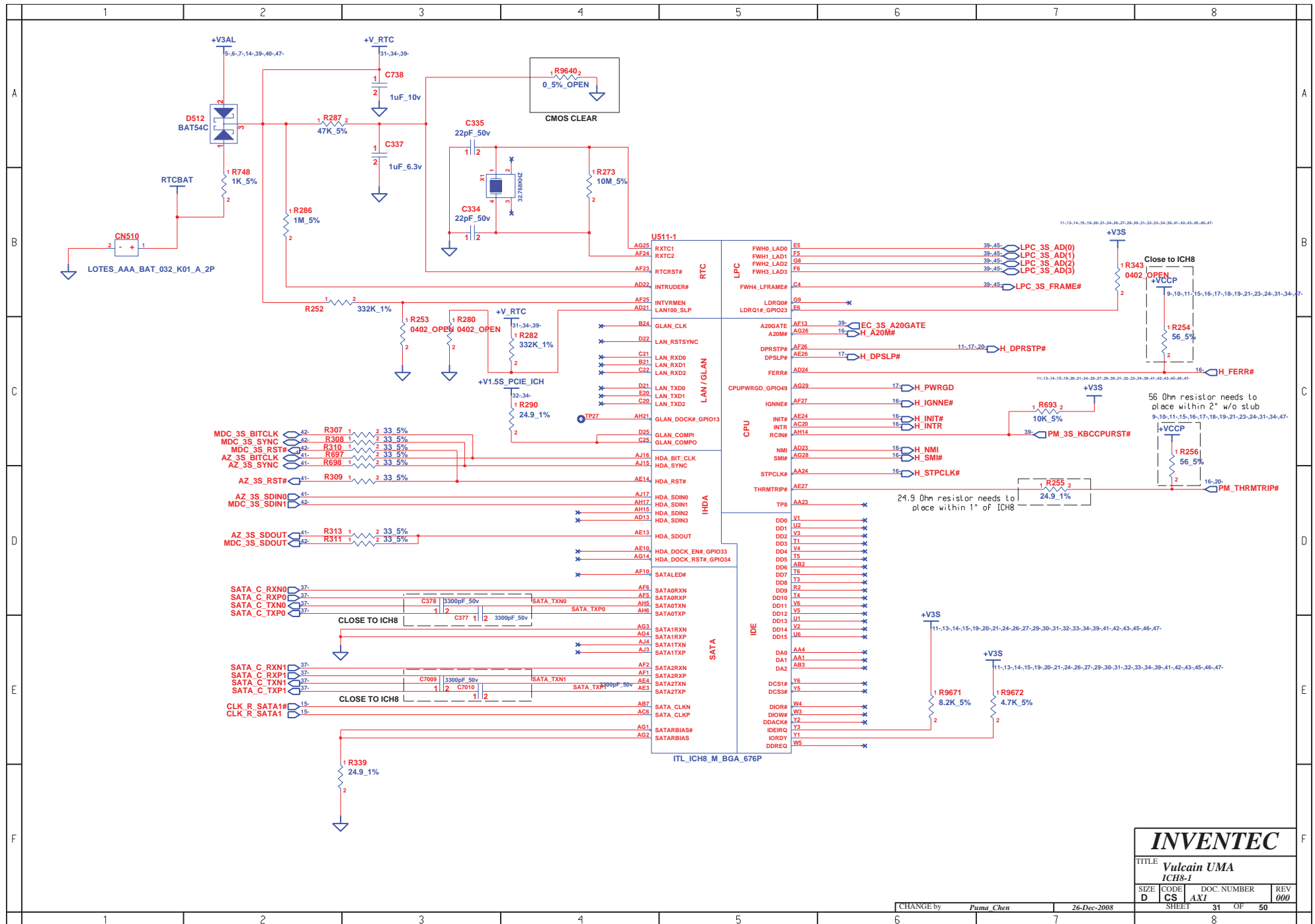


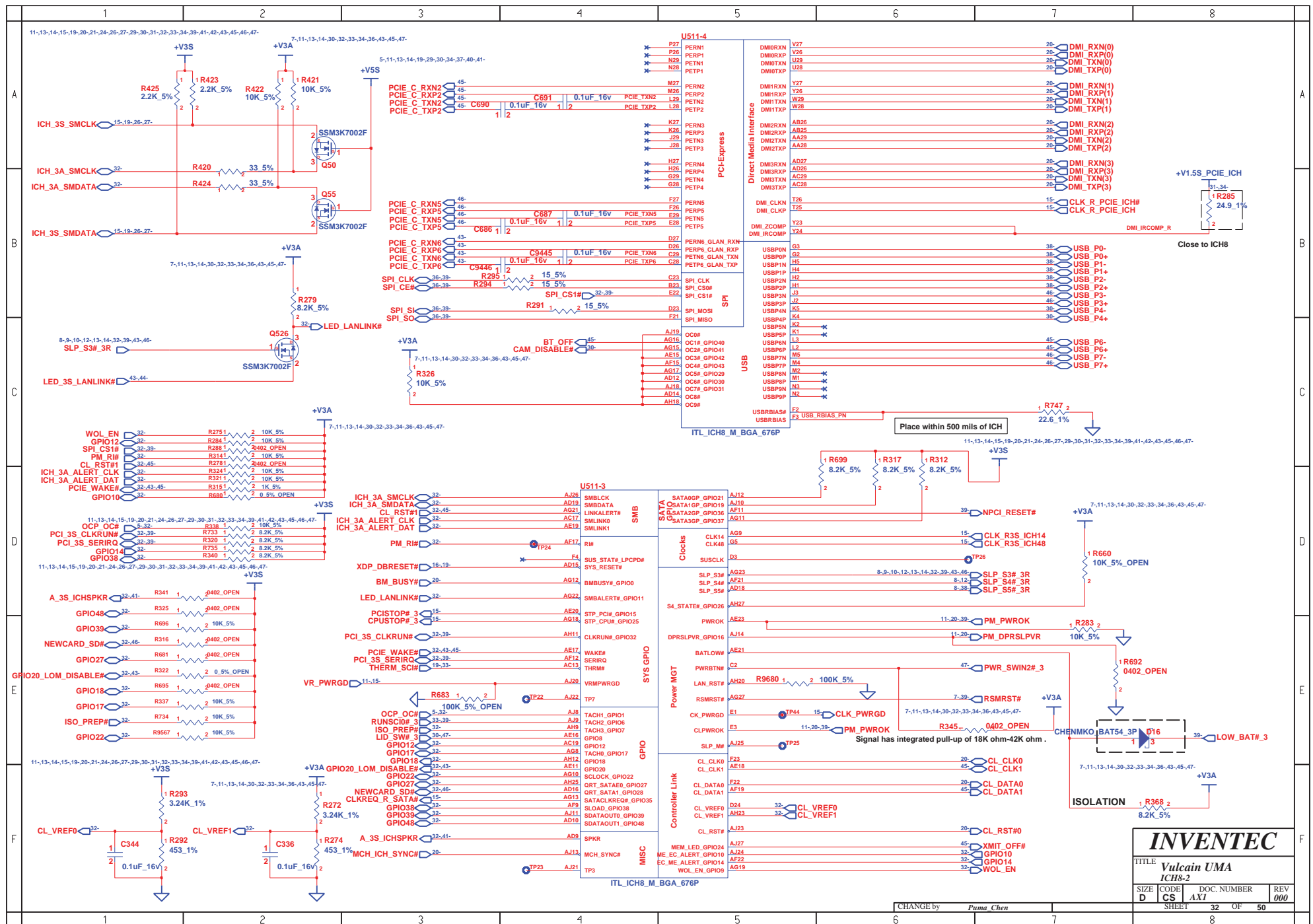
LAYOUT NOTES : PLACE ONE CAP CLOSE TO EVERY 2 PULL UP RESISTOR TERMINATED TO +V0.9S

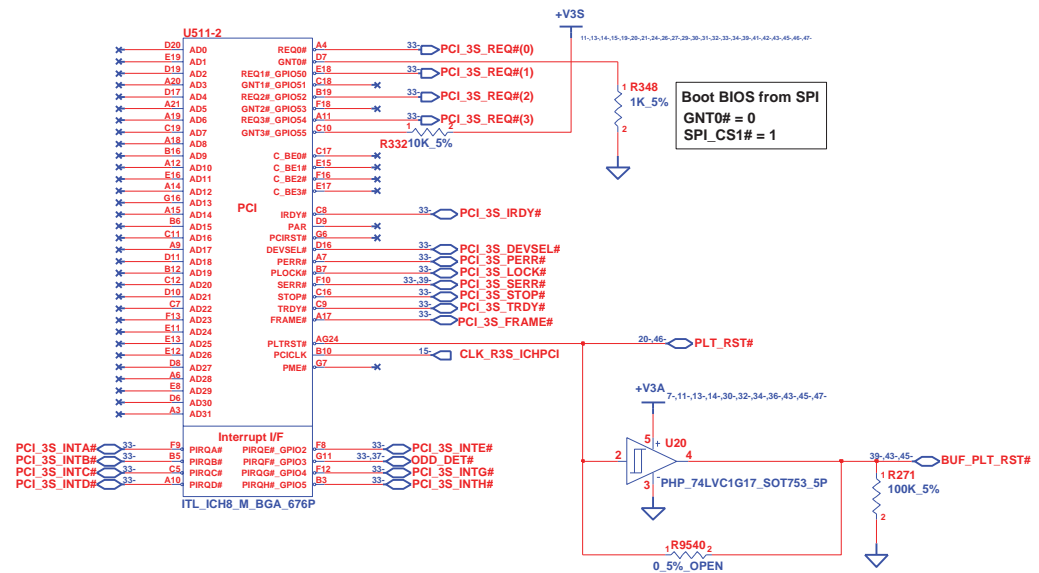


INVENTEC			
TITLE Vulcain UMA DDR2-DAMPING			
SIZE D	CODE CS	DOC. NUMBER AXI	REV 000
CHANGE by Puma Chen		27-Sep-2003	
SHEET 28		OF 50	





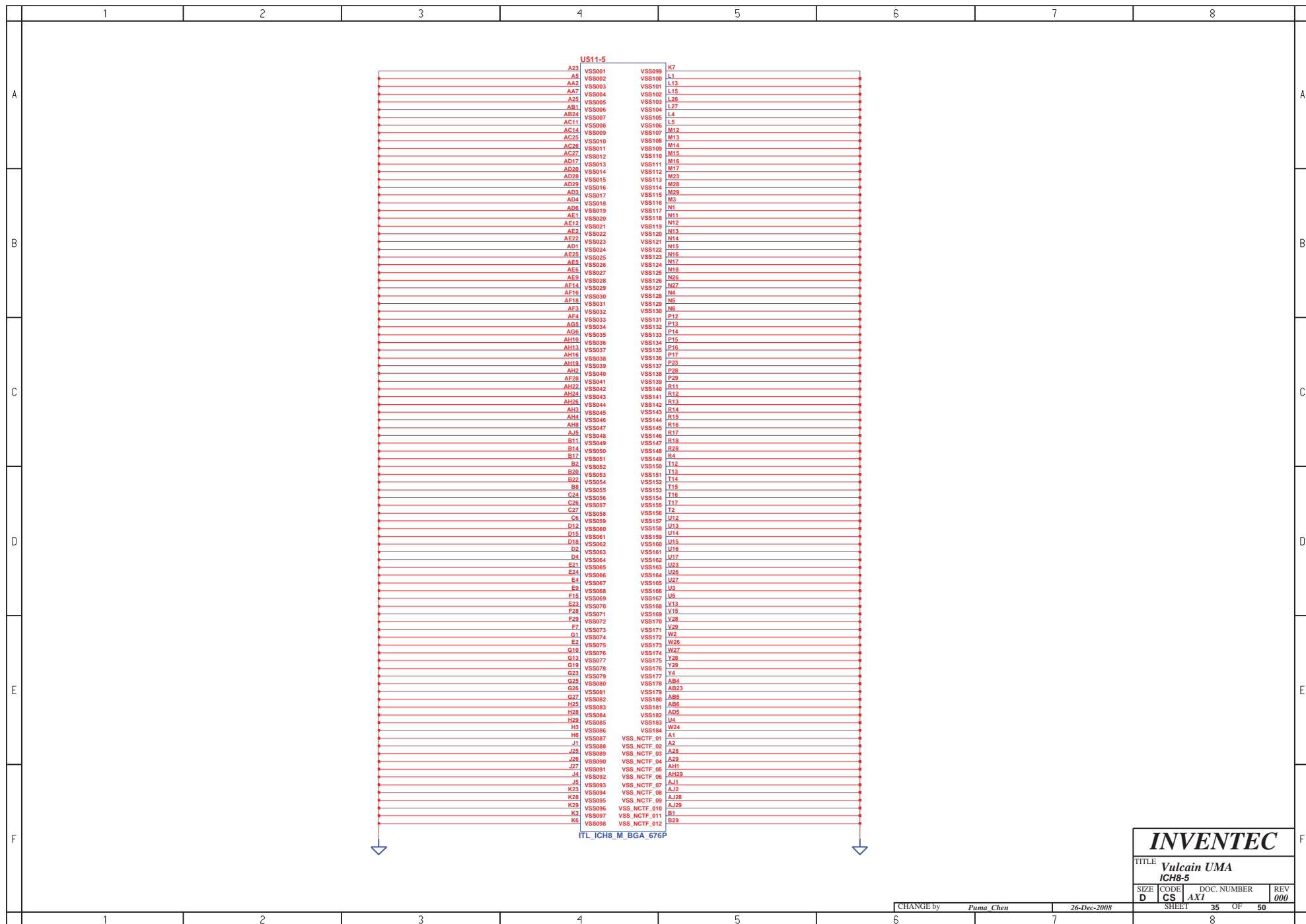


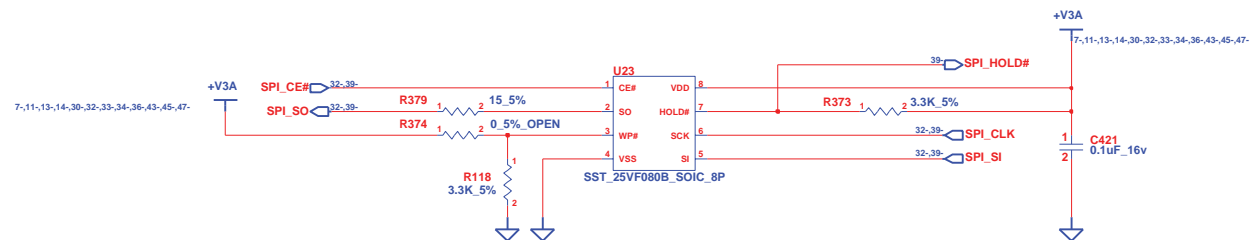


INVENTEC

TITLE			
Vulcain UMA			
ICH8-3			
SIZE	CODE	DOC. NUMBER	REV
D	CS	AXI	000
SHEET		33	OF 50

CHANGE by Puma Chen 26-Dec-2008

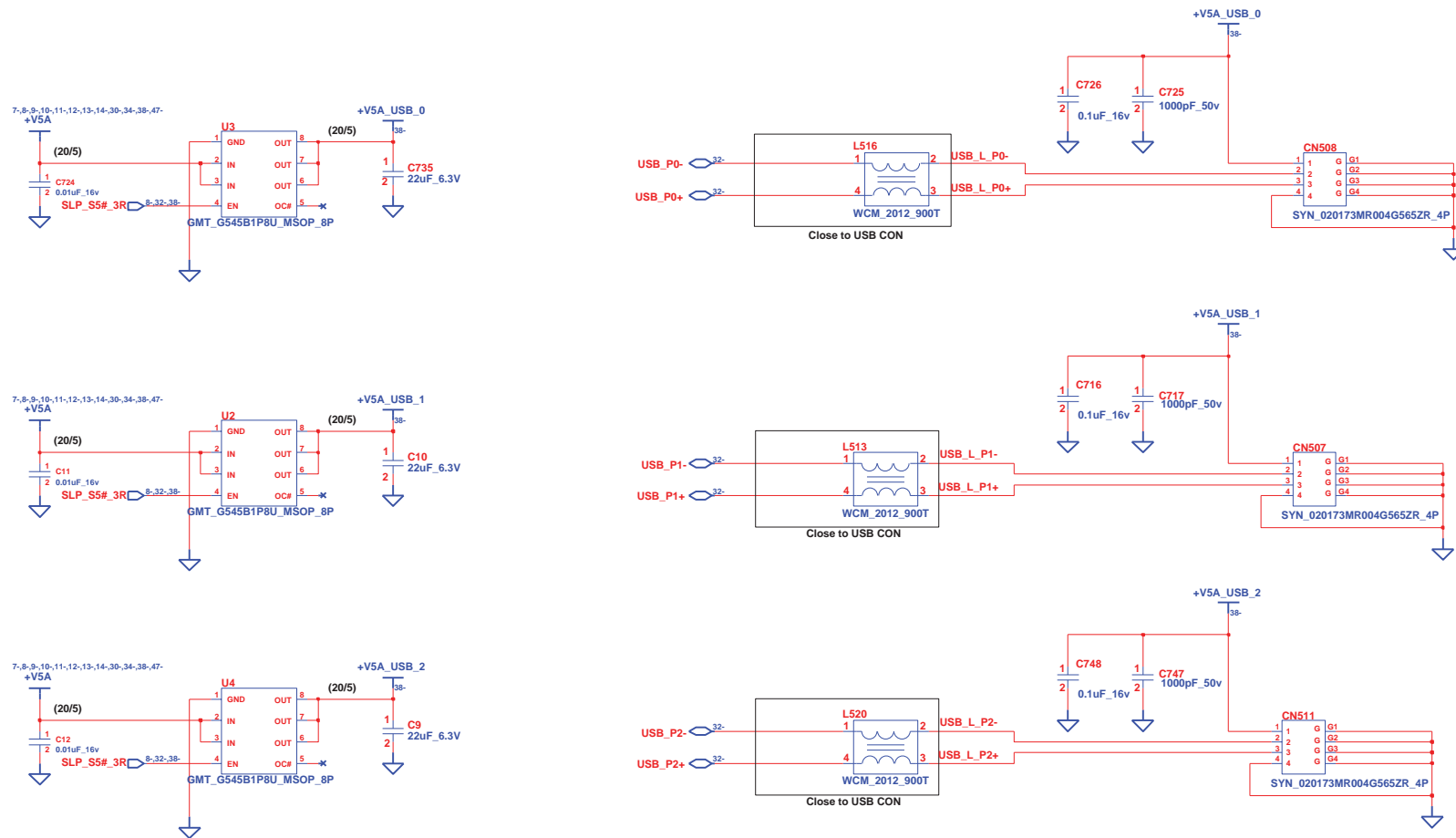




INVENTEC			
TITLE Vulcain UMA			
SYSTEM BIOS&ODD EXT/B			
SIZE	CODE	DOC. NUMBER	REV
D	CS	AXI	000

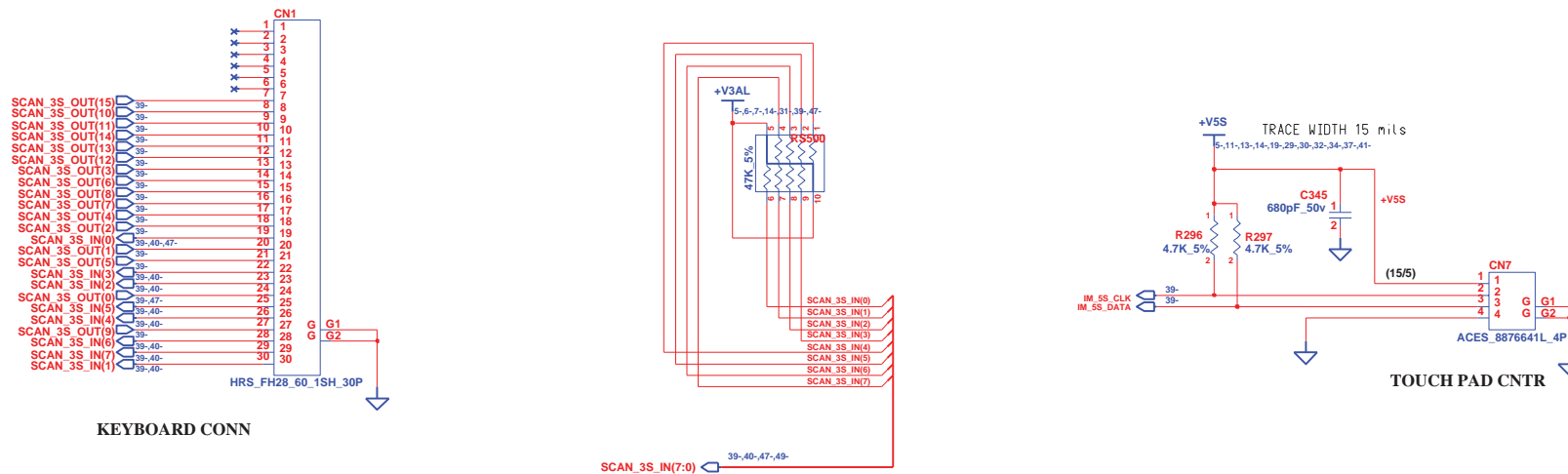
CHANGE by *Puma Chen* 26-Dec-2008

SHEET 36 OF 50

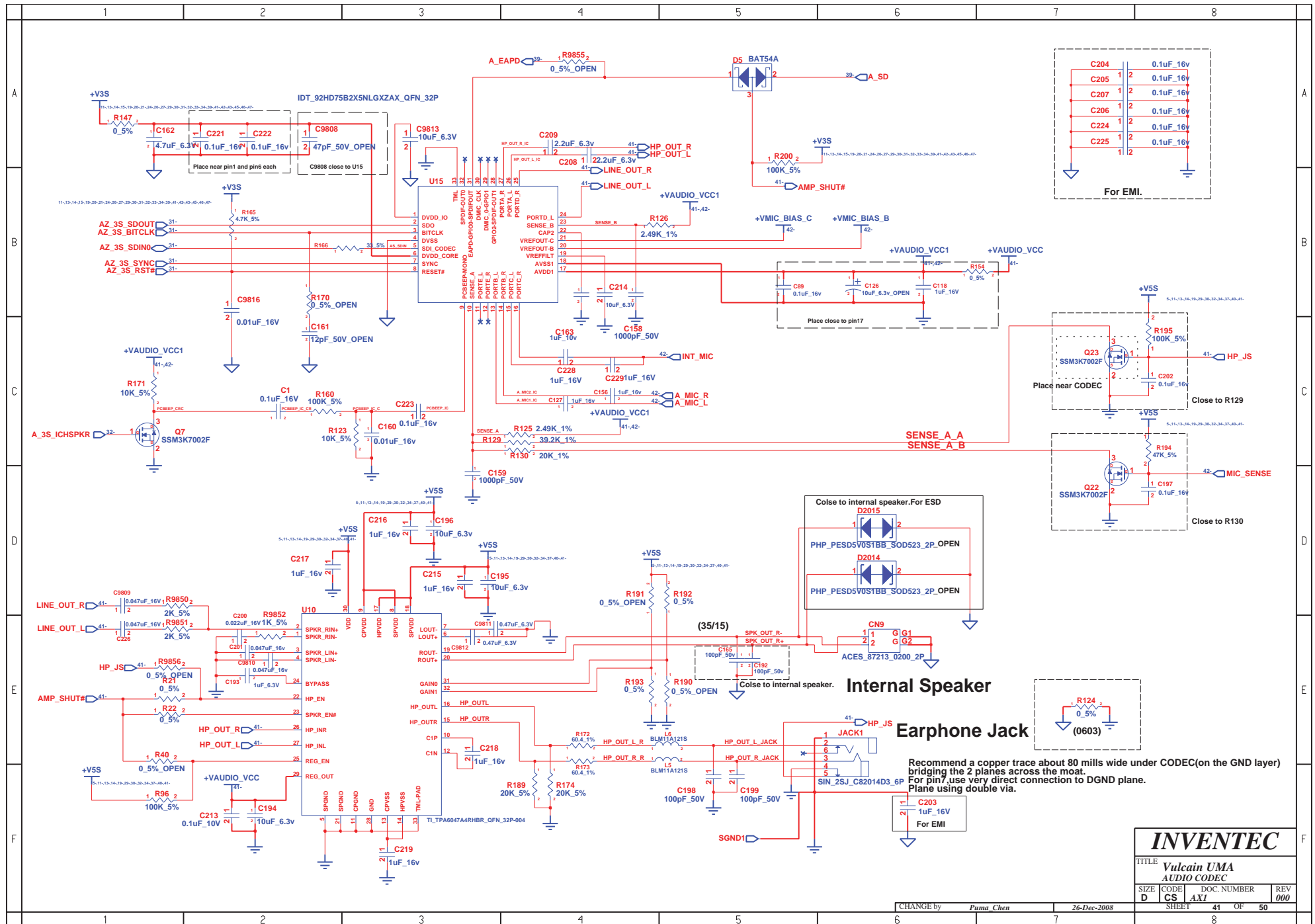


Close to USB CON

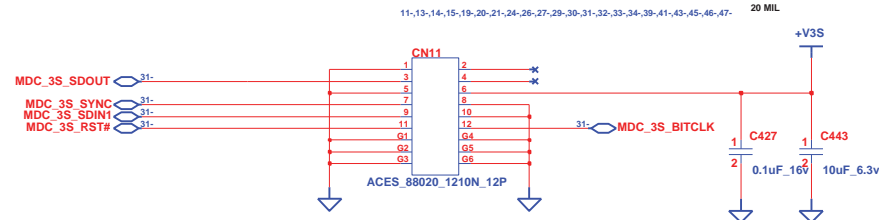
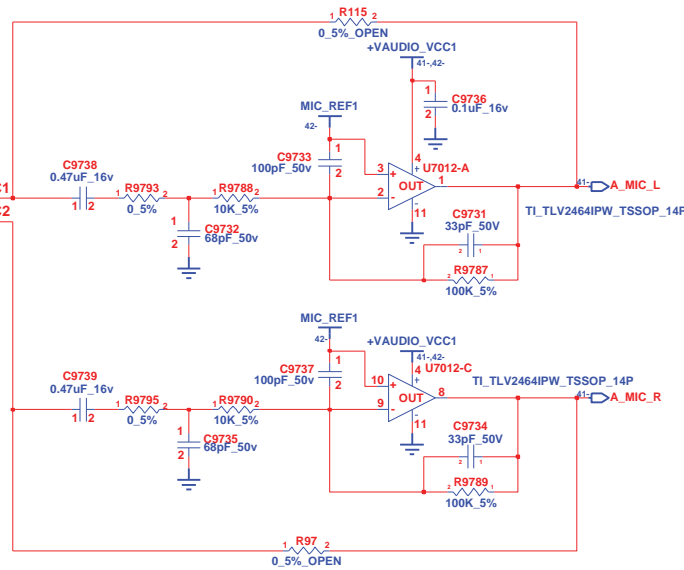
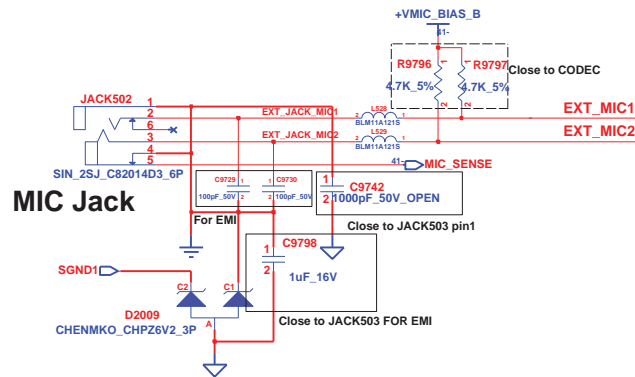
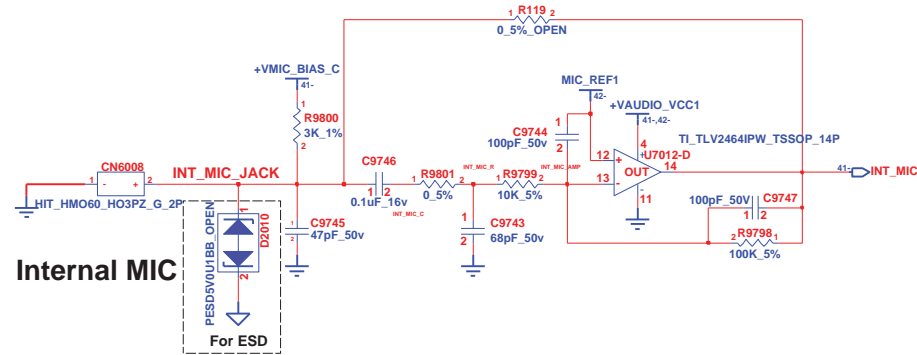
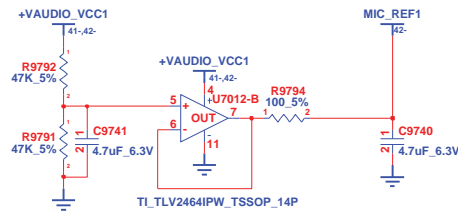
INVENTEC			
TITLE Vulcain UMA USB CONN			
SIZE D	CODE CS	DOC. NUMBER AXI	REV 000
CHANGE by Puma Chen		26-Dec-2008	
SHEET 38		OF 50	



INVENTEC			
TITLE Vulcain UMA KB & TP CONN			
SIZE D	CODE CS	DOC. NUMBER AXI	REV 000
CHANGE by Puma Chen		26-Dec-2008	
SHEET 40		OF 50	

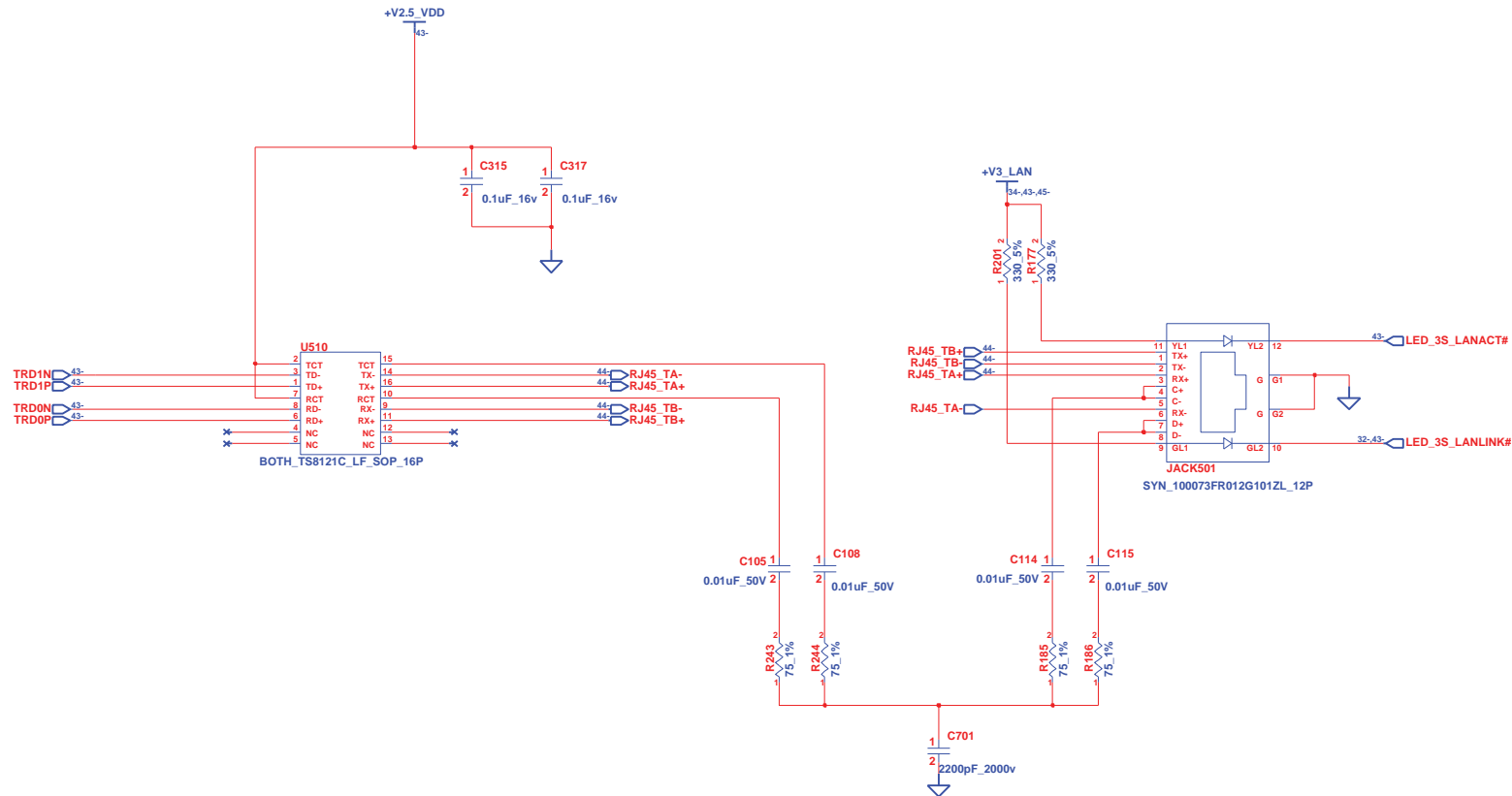


INVENTEC			
TITLE Vulcain UMA AUDIO CODEC			
SIZE D	CODE CS	DOC. NUMBER AX1	REV 000
CHANGE by Puma Chen		26-Dec-2008	
SHEET 41		OF 50	

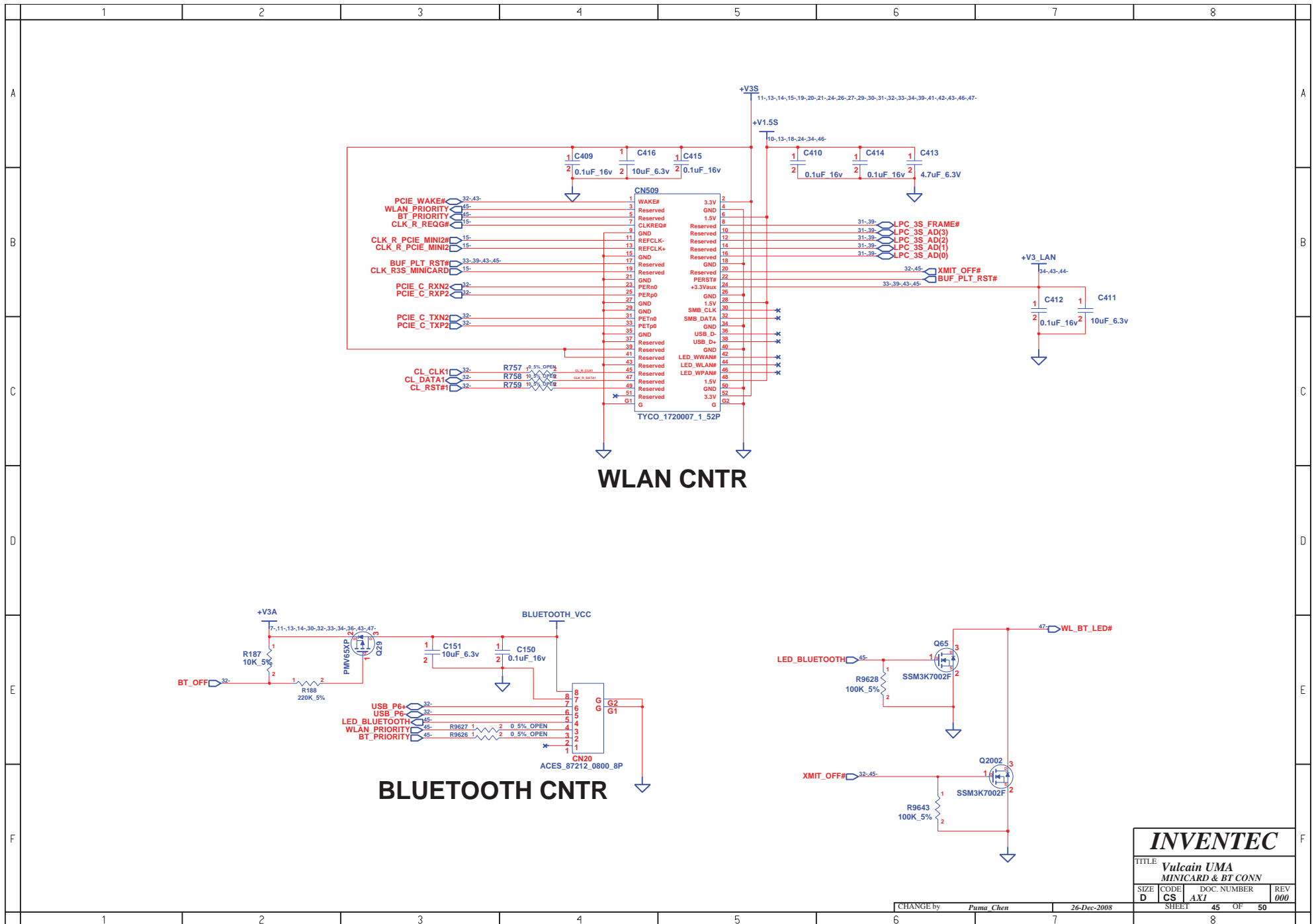


MDC CNTR

INVENTEC			
TITLE Vulcain UMA MDC CNTR			
SIZE D	CODE CS	DOC. NUMBER AXI	REV 000
CHANGE by Puma Chen		26-Dec-2008	SHEET 42 OF 50

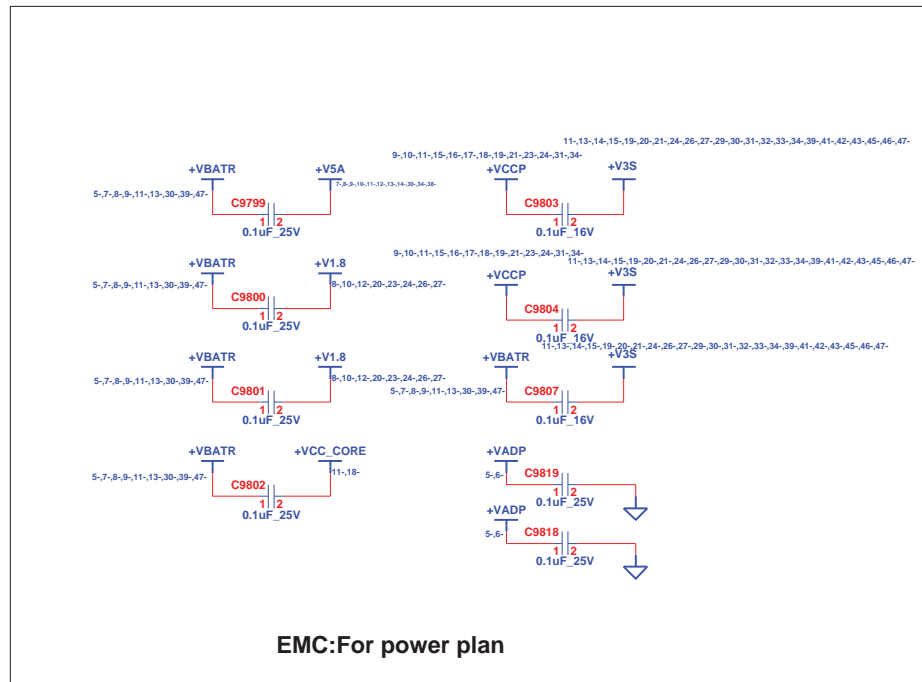
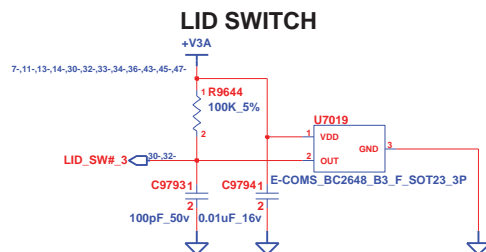
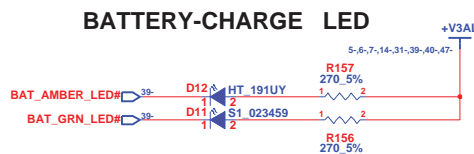
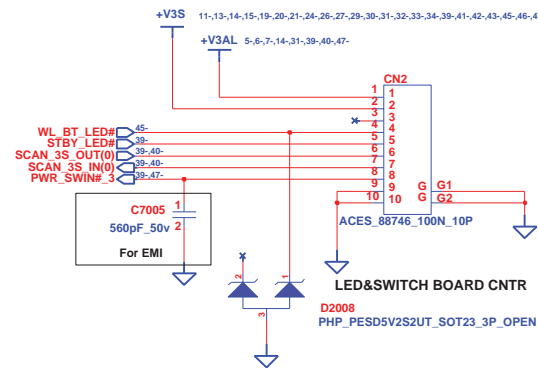
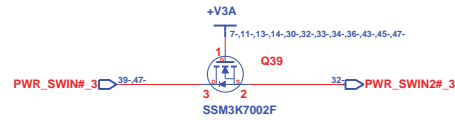


INVENTEC			
TITLE <i>Vulcan UMA</i>			
NIC 10/100 - RJ45			
SIZE	CODE	DOC. NUMBER	REV
D	CS	AXI	000
CHANGE by		26-Dec-2008	
SHEET		44	OF 50



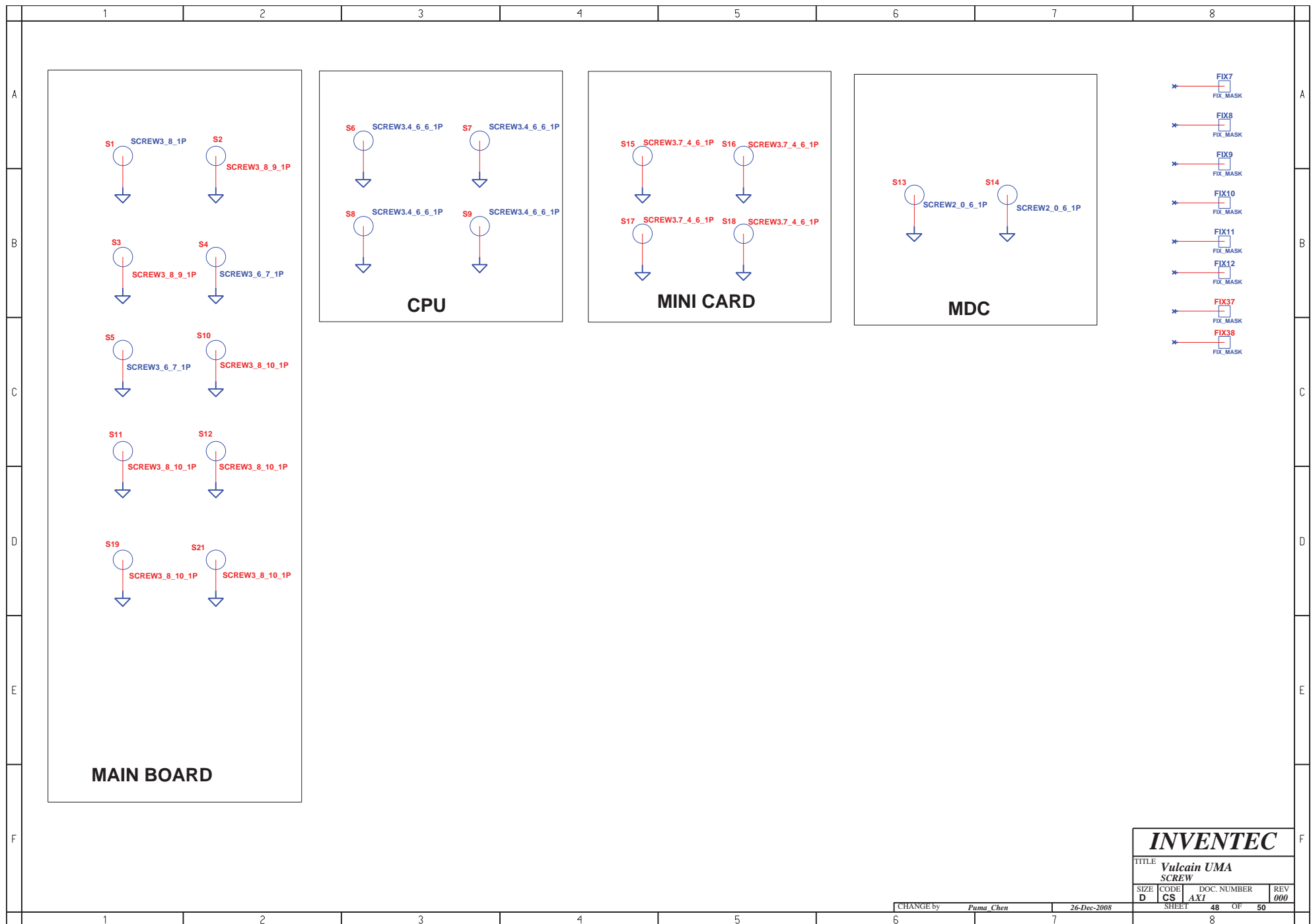
INVENTEC			
TITLE Vulcain UMA MINICARD & BT CONN			
SIZE D	CODE CS	DOC. NUMBER AX1	REV 000
SHEET 45		OF 50	

CHANGE by Pama Chen 26-Dec-2008



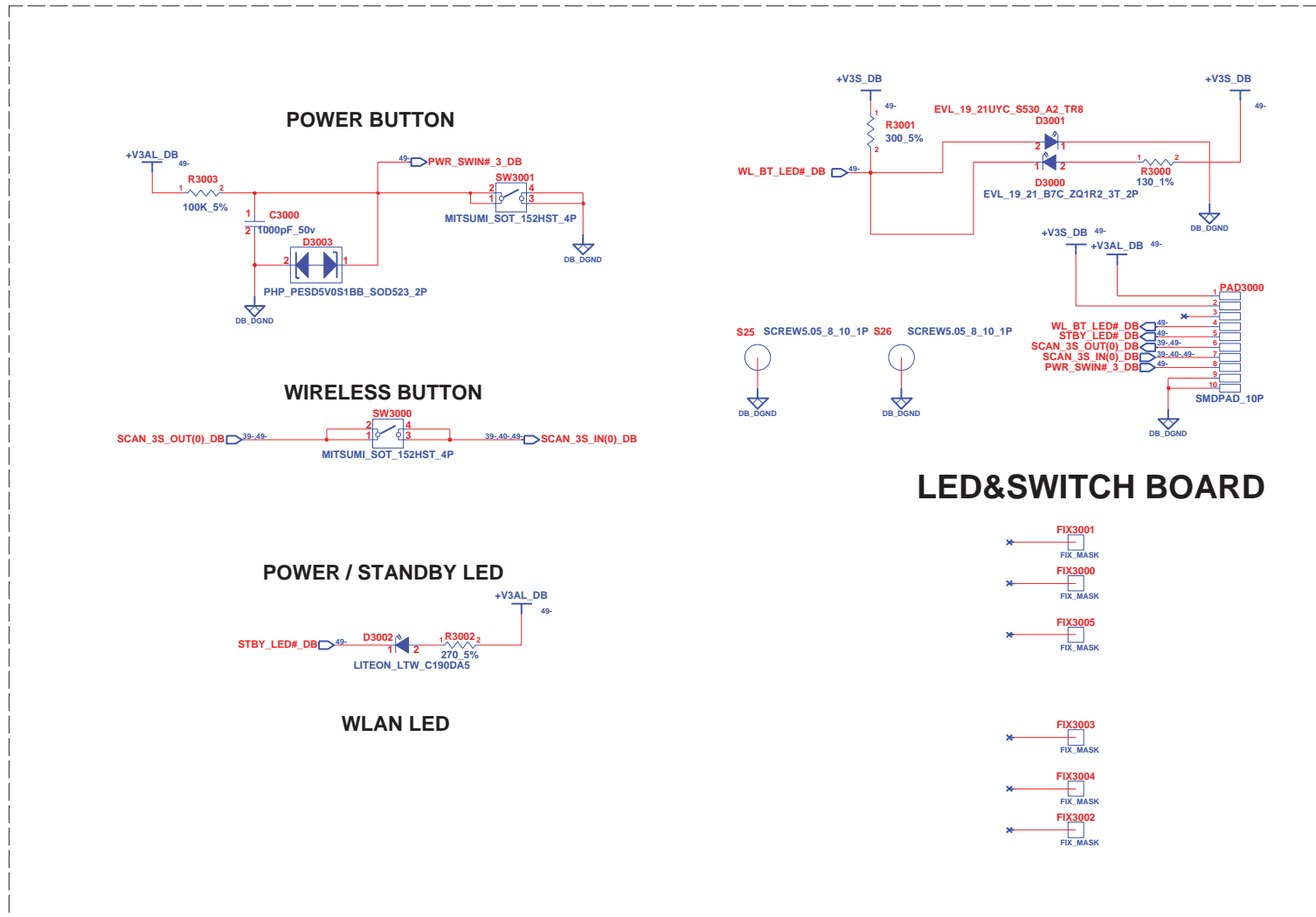
INVENTEC			
TITLE Vulcain UMA BUTTON & LED			
SIZE D	CODE CS	DOC. NUMBER AXI	REV 000
SHEET 47		OF 50	

CHANGE by Pama Chen 26-Dec-2008



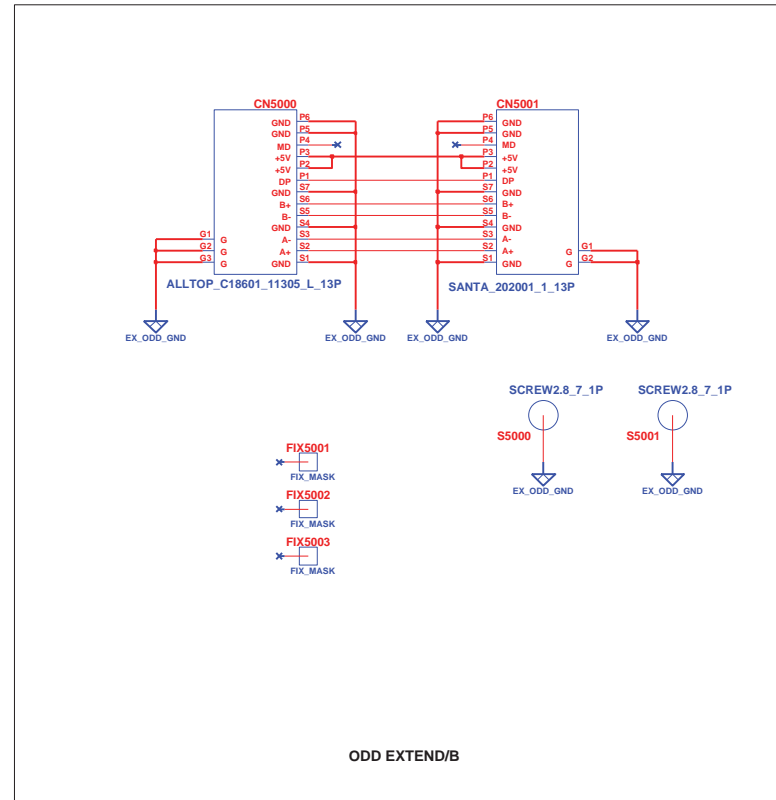
INVENTEC			
TITLE Vulcain UMA SCREW			
SIZE D	CODE CS	DOC. NUMBER AXI	REV 000
SHEET 48		OF 50	

CHANGE by Puma Chen 26-Dec-2008



SWITCH DAUGHTER BOARD

INVENTEC			
TITLE Vulcain UMA SWITCH Board			
SIZE D	CODE CS	DOC. NUMBER AXI	REV 000
CHANGE by Pama Chen		26-Dec-2008	
SHEET 49		OF 50	



INVENTEC			
TITLE			
Vulcain UMA			
15.4" W ODD Extend Board			
SIZE	CODE	DOC. NUMBER	REV
D	CS	AXI	000
CHANGE by		26-Dec-2008	
Pama Chen			
SHEET		50	OF 50
		8	