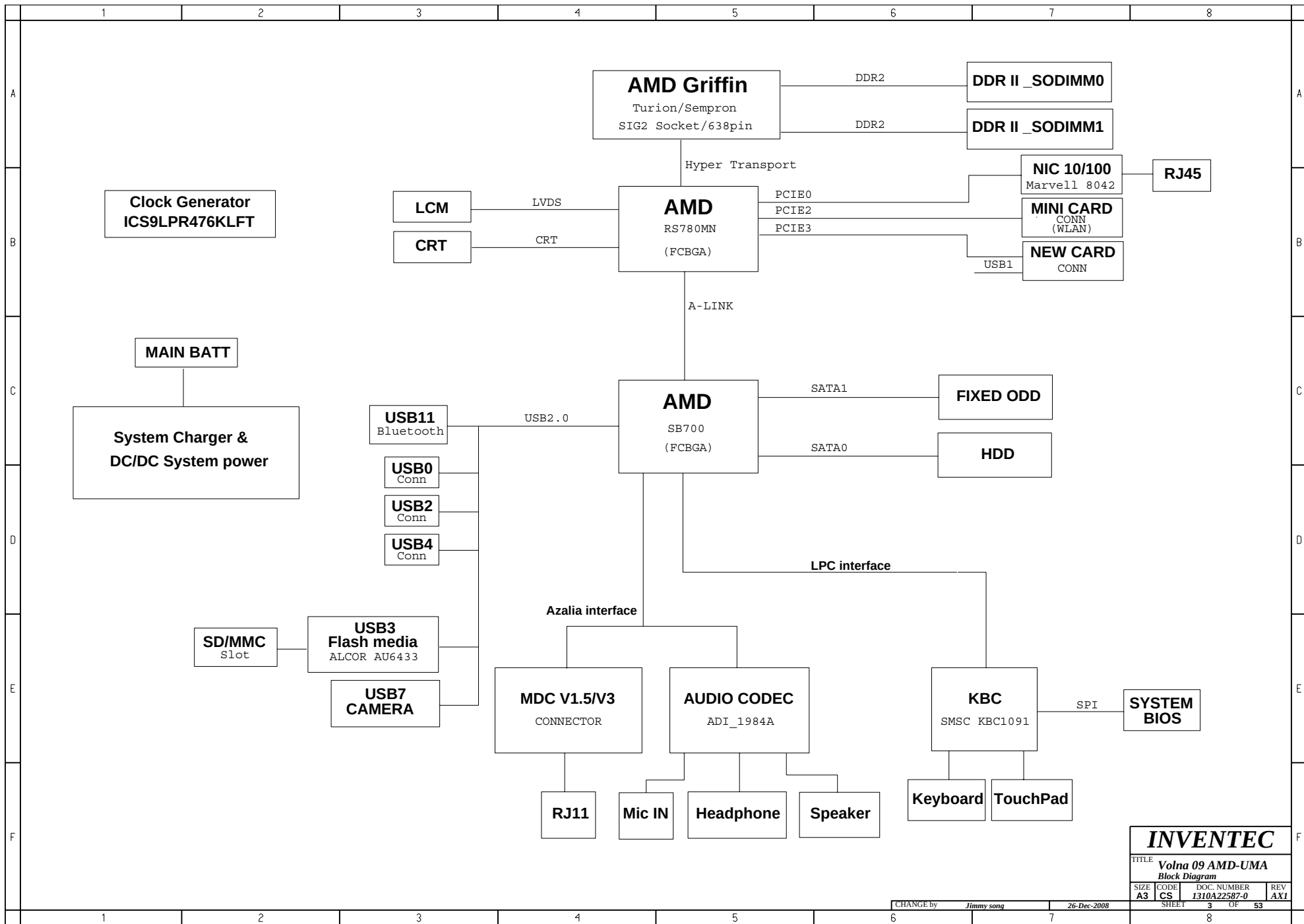
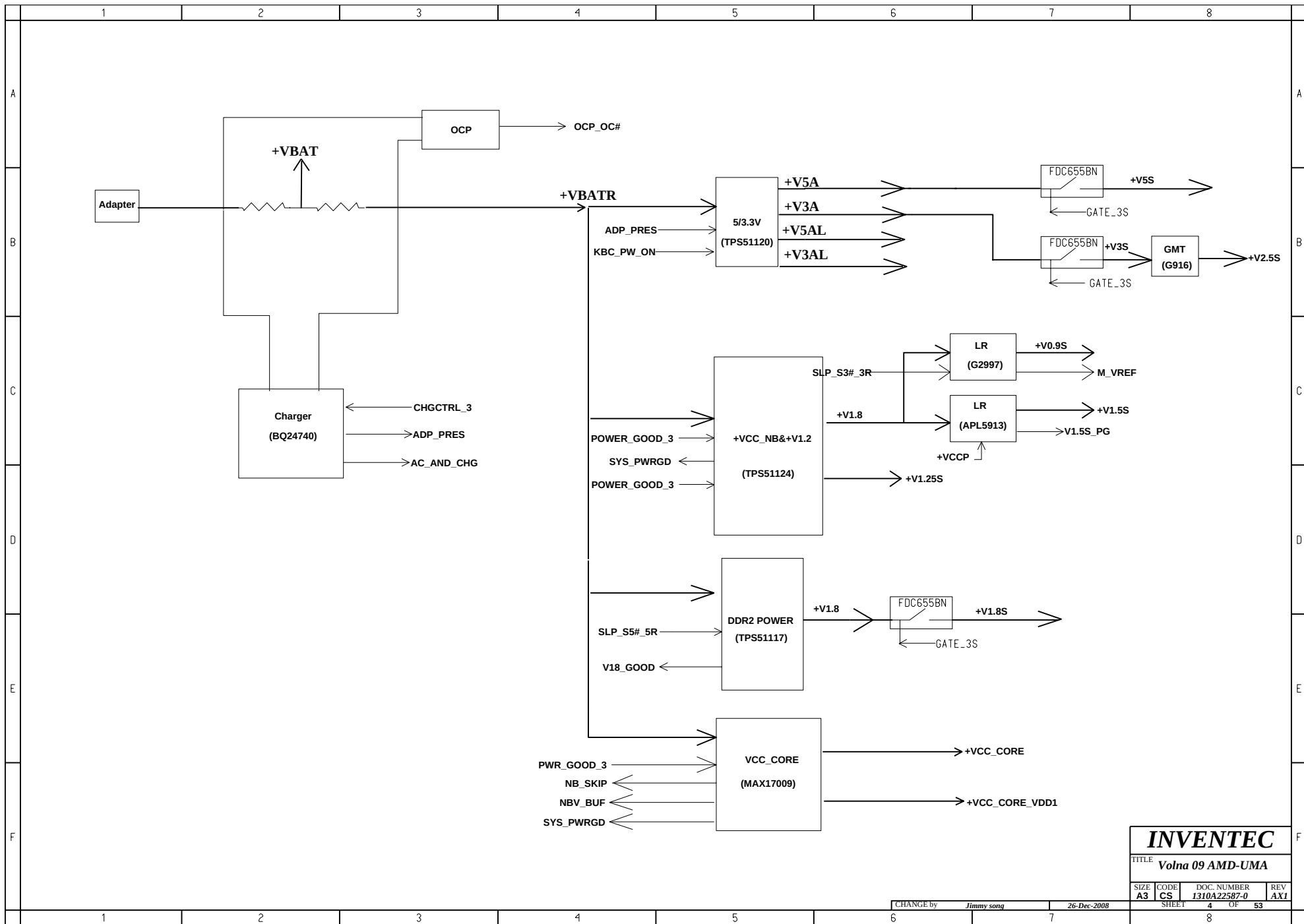


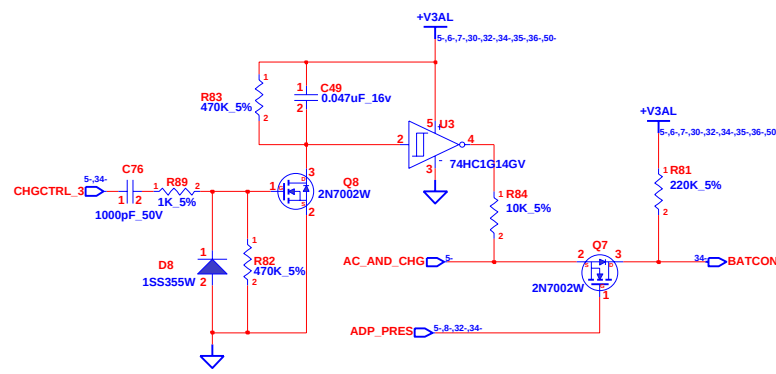
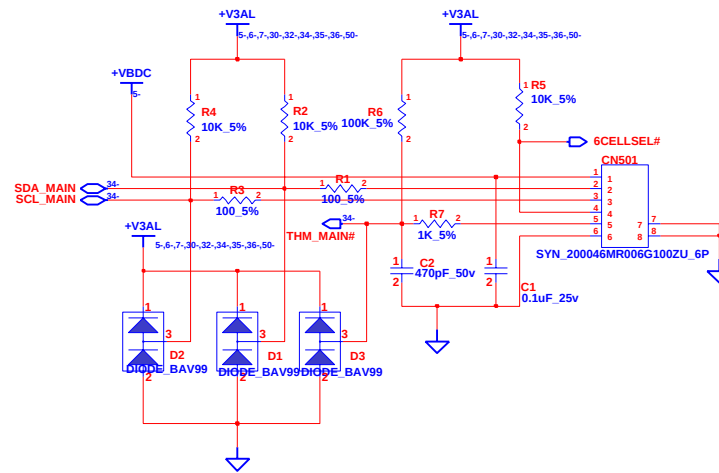
2008/12/26

DRAWER		EE	DATE	POWER	DATE	INVENTEC TITLE Volna 09 AMD-UMA
DESIGN						
CHECK						
RESPONSIBLE						
SIZE = 3		VER :		SIZE CODE DOC. NUMBER REV		
FILE NAME : XXXX-XXXXXX-XX				A3 CS 1310A2587-0	AXI	
P/N 1 XXXXXXXXXXXXX				SHEET 1	OF 53	

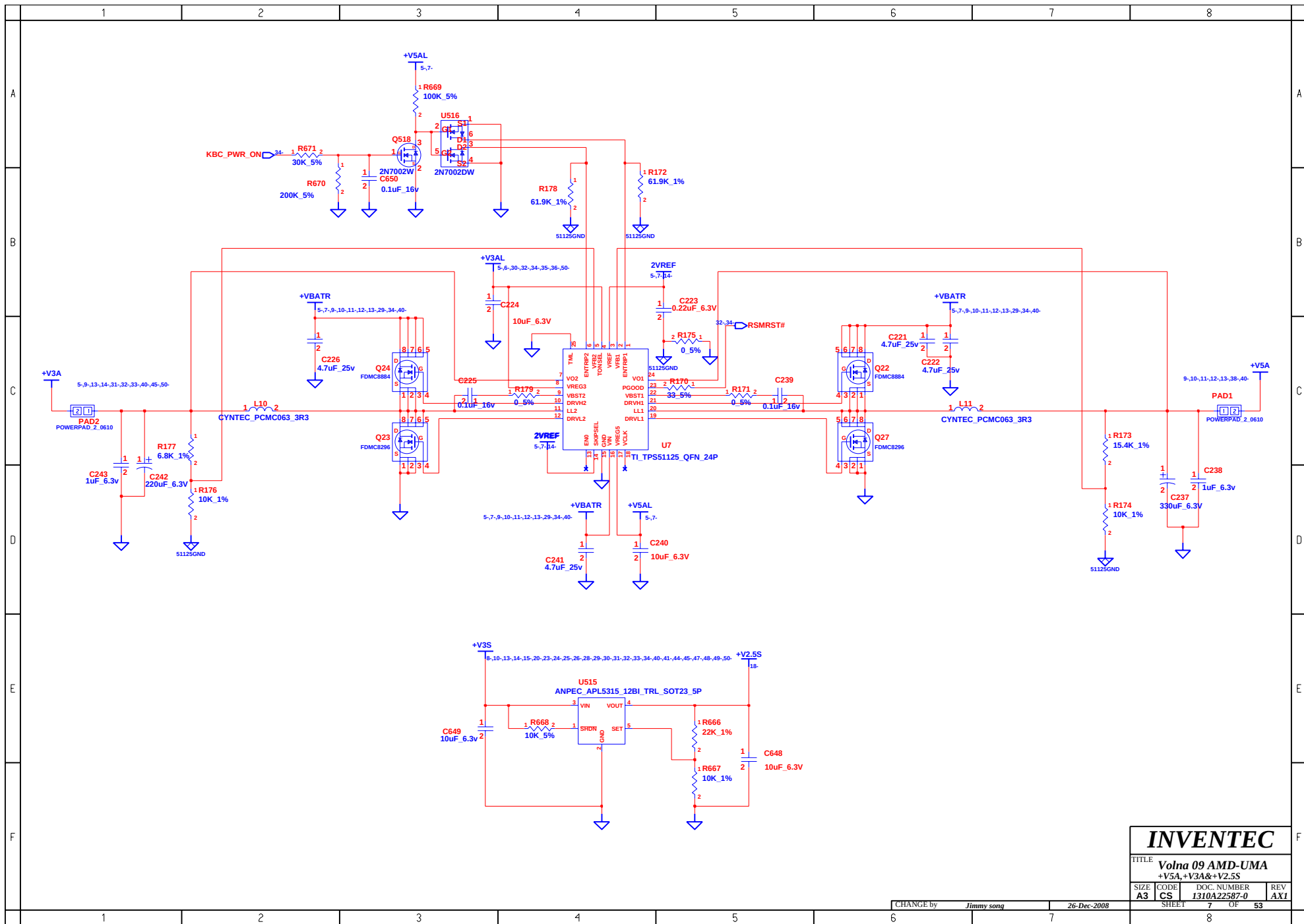
	1	2	3	4	5	6	7	8					
A	TABLE OF CONTENTS								A				
B	PAGE 5- DC& BATTERY CHARGER 6- SELECT & BATTERY CONN 7- +V5A,+V3A & +V2.5S 8- OCP 9- +VCC_NB & +V1.2A 10- +VCC_CORE 11- POWER 12- DDR2 POWER 13- POWER(SLEEP) 14- POWER(SEQUENCE)		PAGE 15- CLOCK_GENERATOR 16- CPU-1 17- CPU-2 18- CPU-3 19- CPU-4 20- THERMAL&FAN CONTROLLER 21- RS780MN-1 22- RS780MN-2 23- RS780MN-3 24- RS780MN-4 25- DDR2-DIMM0 26- DDR2-DIMM1 27- DDR2-DAMPING 28- CRT 29- LCD CONN 30- SB700-1 31- SB700-2 32- SB700-3 33- SB700-4 34- KBC		PAGE 35- KB & TP CONN 36- SPI 37- HDD & ODD CONN 38- USB CONN 39- USB WEBCAM CONN 40- EMI 41- AZALIA CODEC 42- Earphone & MIC JACK 43- AUDIO AMP & HP JACK 44- MDC CNTR 45- NIC 10/100- CONTROLLER 46- NIC 10/100- RJ45 CONN 47- MINICARD & BT CONN 48- EXPRESS CARD 49- FLASH MEDIA CARD 50- BUTTON & LED 51- SCREW 52- ODD Extention Board 53- SWITCH Board		B						
C									C				
D									D				
E									E				
F									F				
						INVENTEC TITLE Volna 09 AMD-UMA Table OF Content <table><tr><td>SIZE A3</td><td>CODE CS</td><td>DOC. NUMBER 1310A22587-0</td><td>REV AX1</td></tr></table> CHANGE by Jimmy song26-Dec-2008SHEET 2 OF 53			SIZE A3	CODE CS	DOC. NUMBER 1310A22587-0	REV AX1	
SIZE A3	CODE CS	DOC. NUMBER 1310A22587-0	REV AX1										
	1	2	3	4	5	6	7	8					







INVENTEC			
TITLE			
Volna 09 AMD-UMA			
SELECT & BATTERY CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310A22587-0	AX1
CHANGE by		26-Dec-2008	
JIMMY SONG			
SHEET		6	OF 53
		8	



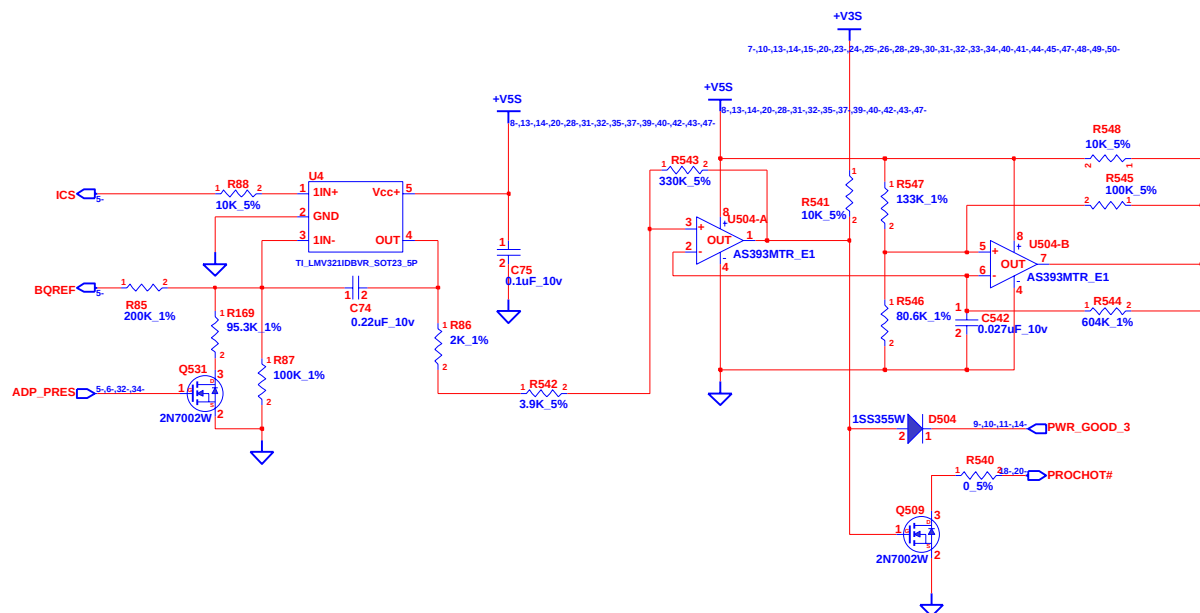
INVENTEC

TITLE
Volna 09 AMD-UMA
+V5A,+V3A&+V2.5S

SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A22587-0	AX1

CHANGE by Jimmy song 26-Dec-2008

SHEET 7 OF 53



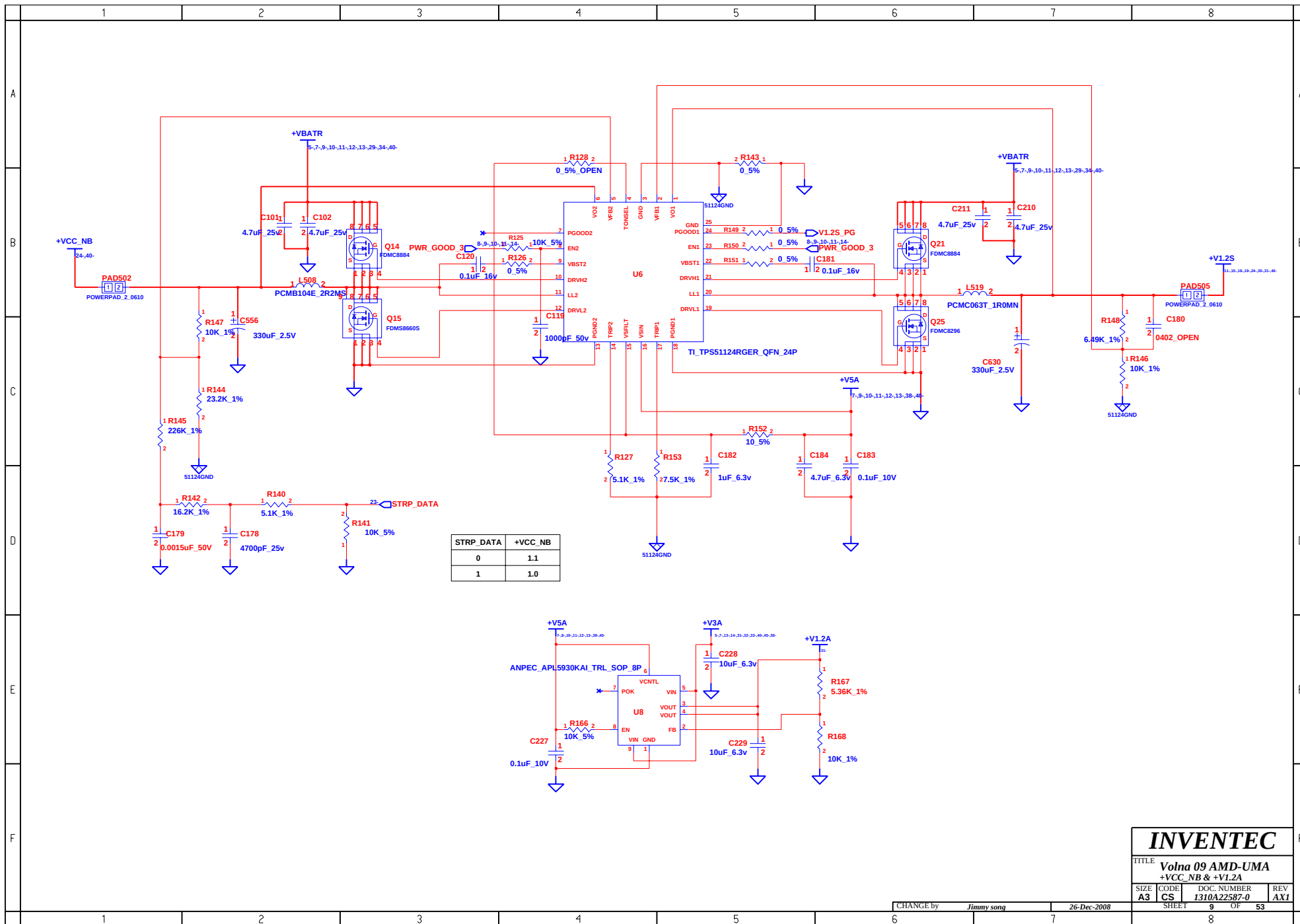
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TITLE
Volna 09 AMD-UMA
OCP

SIZE A3	CODE CS	DOC. NUMBER I310A22587-0	REV AX1
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CHANGE by *Jimmy song* 26-Dec-2008

SHEET 8 OF 53



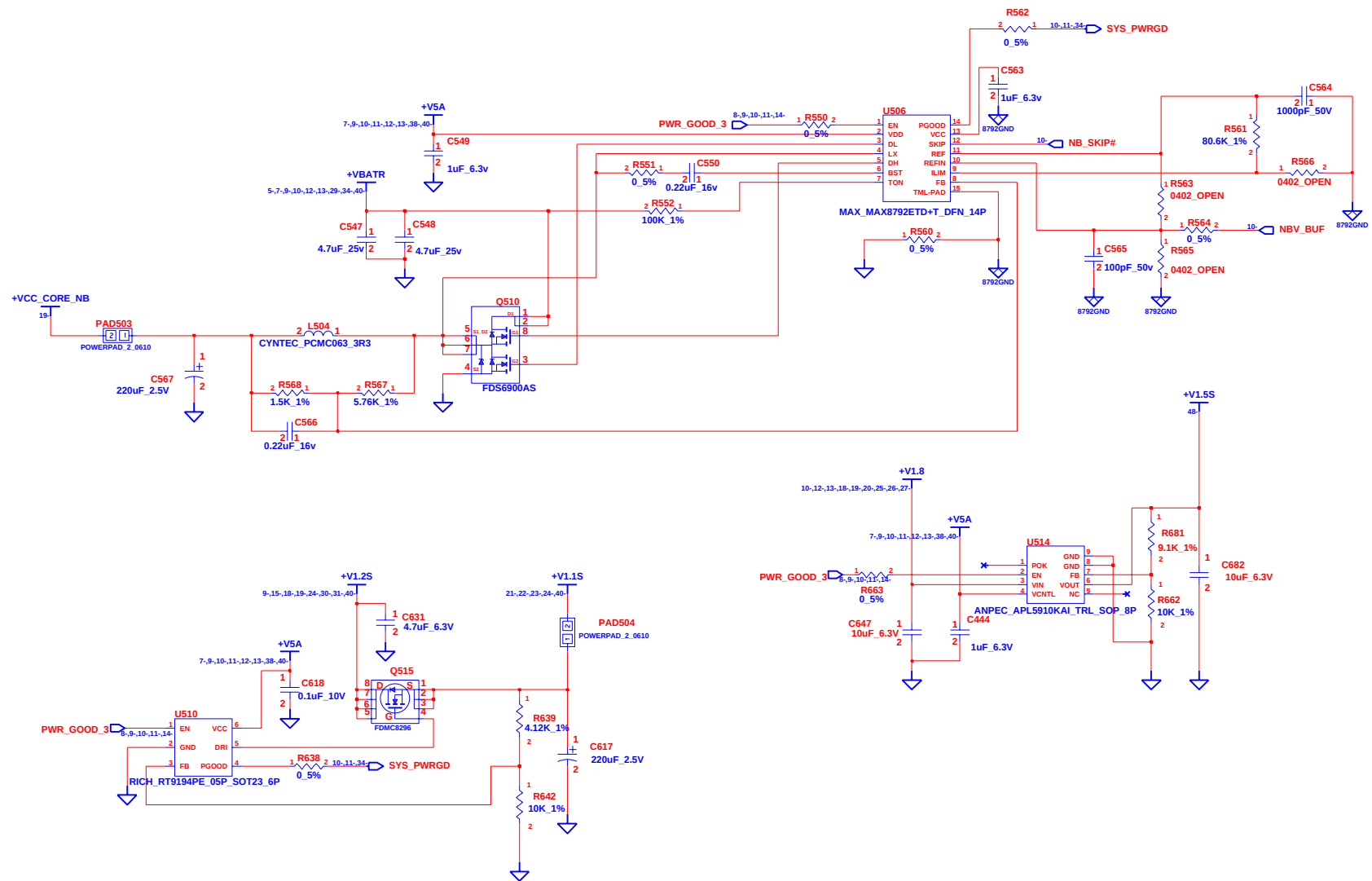
INVENTEC

TITLE
Volna 09 AMD-UMA
+VCC_NB & +V1.2A

SIZE CODE DOC. NUMBER REV
A3 CS 1310A22587-0 AX1

CHANGE by Jimmy song 26-Dec-2008

SHEET 9 OF 53



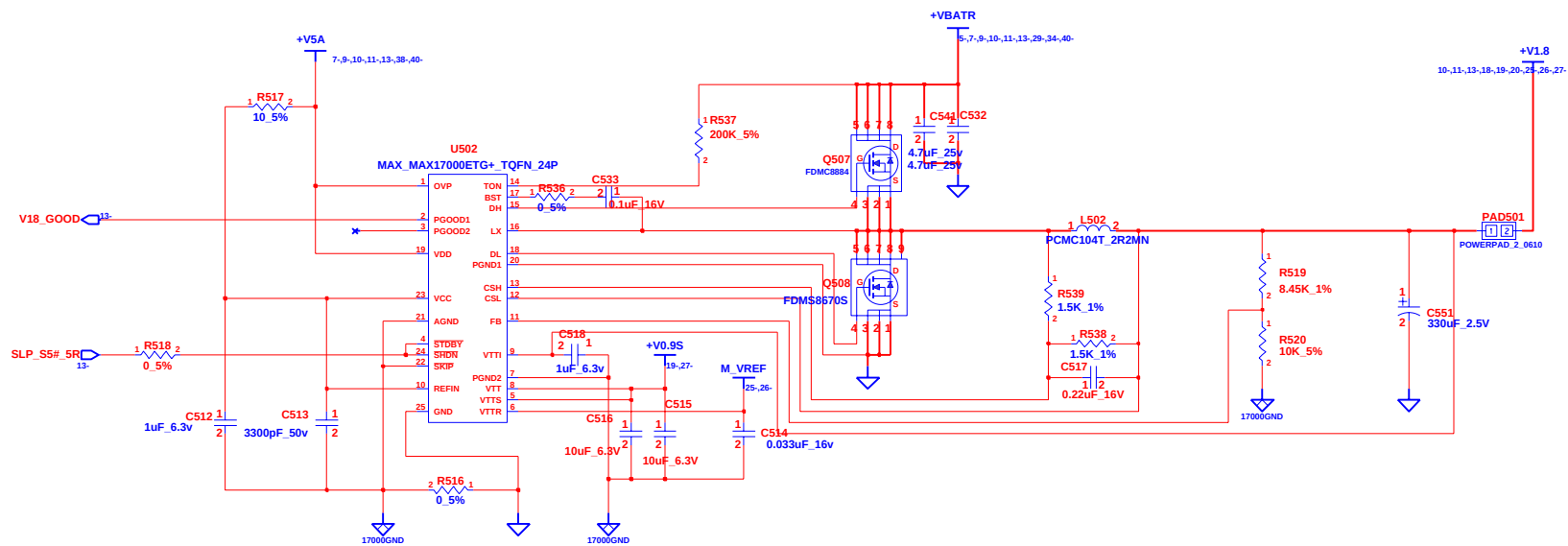
INVENTEC

TITLE
Volna 09 AMD-UMA
POWER

SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310A22587-0	AX1

CHANGE by Jimmy song 26-Dec-2008

SHEET 11 OF 53



NOTE: DDR2 REGULATOR

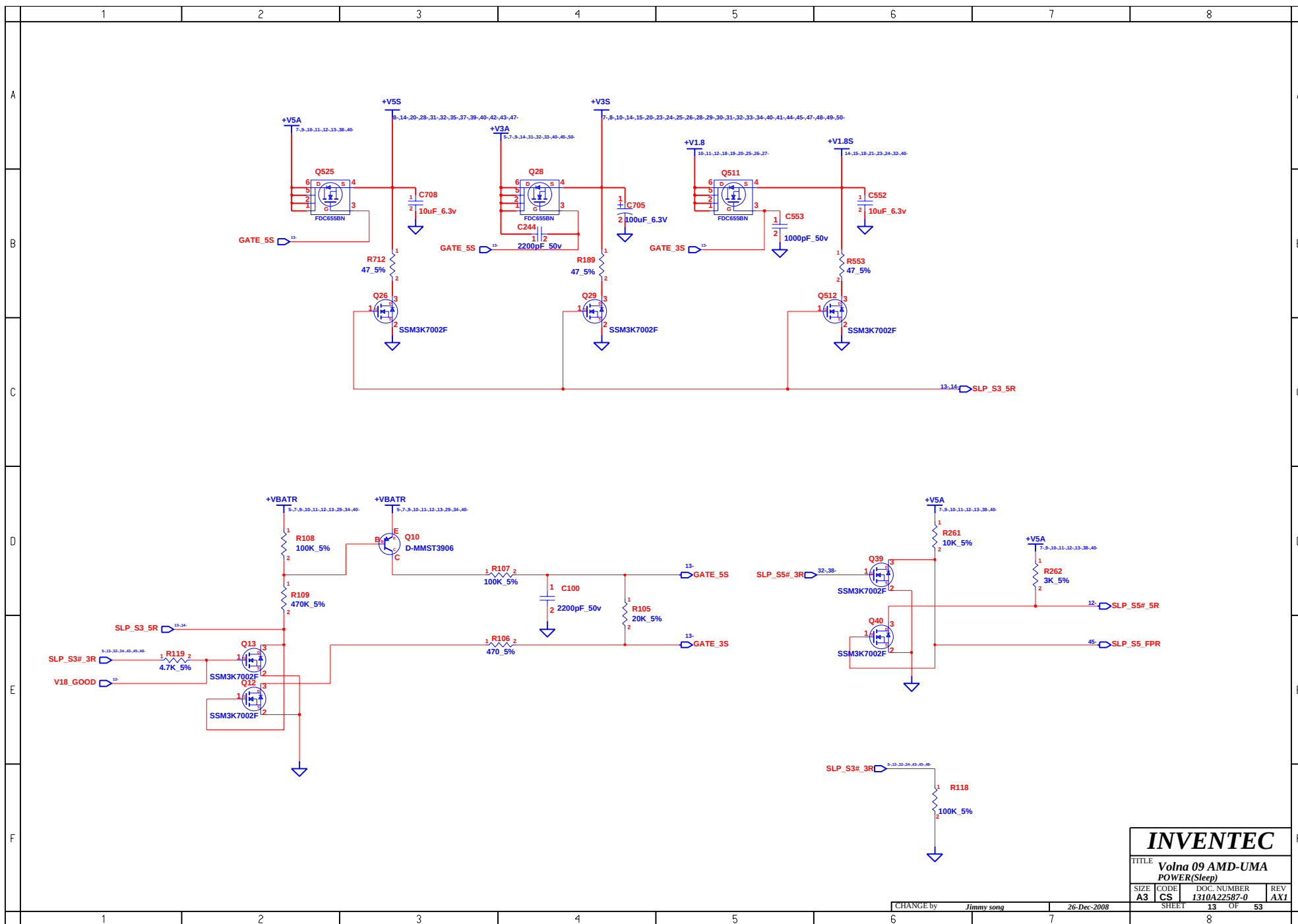
INVENTEC

TITLE
**Volna 09 AMD-UMA
DDR2 POWER**

SIZE A3	CODE CS	DOC. NUMBER I310A22587-0	REV AX1
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CHANGE by *Jimmy song* 26-Dec-2008

SHEET 12 OF 53



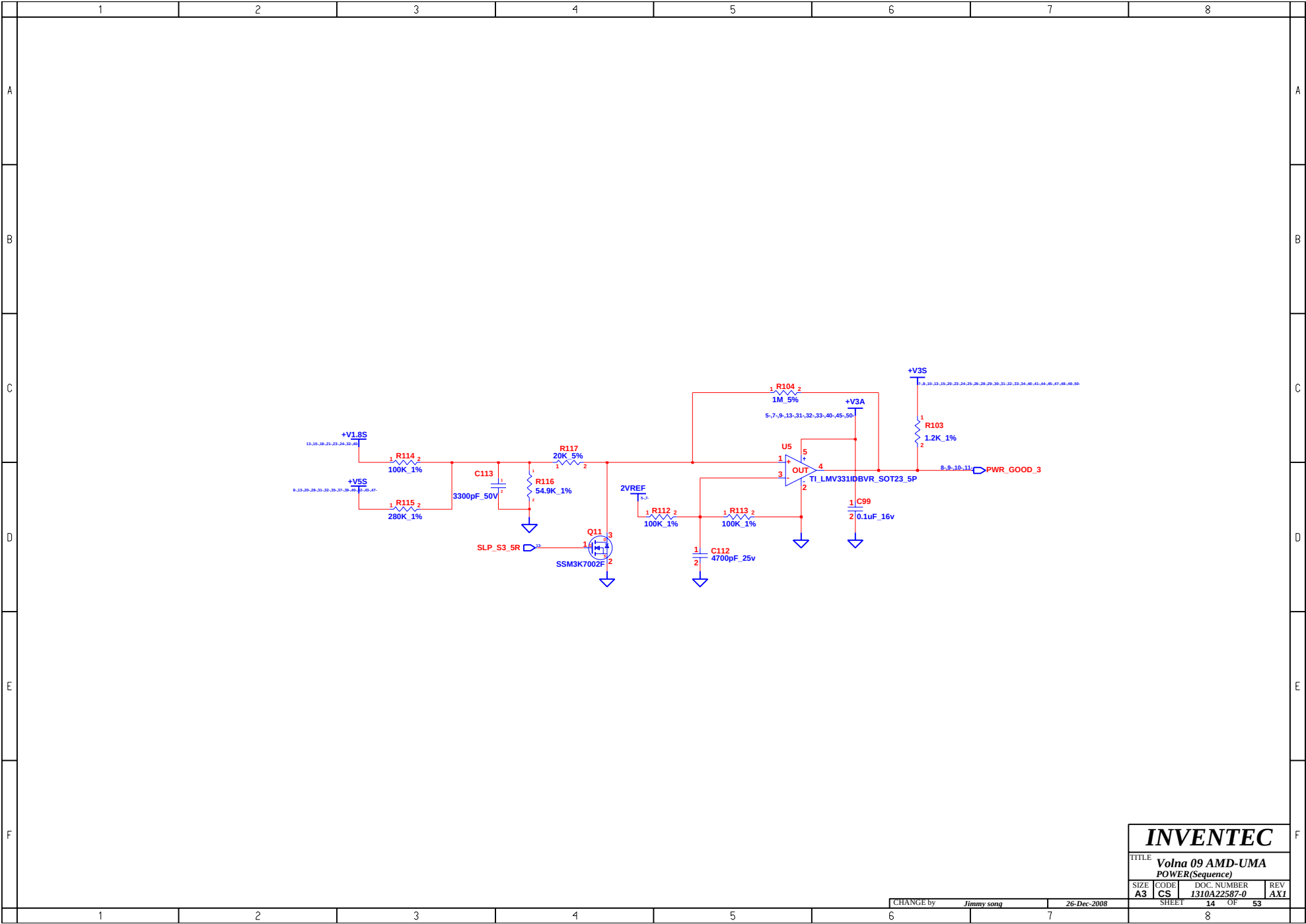
INVENTEC

TITLE
**Volna 09 AMD-UMA
POWER(Sleep)**

SIZE A3	CODE CS	DOC. NUMBER I310A22587-0	REV AX1
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CHANGE by *Jimmy song* 26-Dec-2008

SHEET 13 OF 53



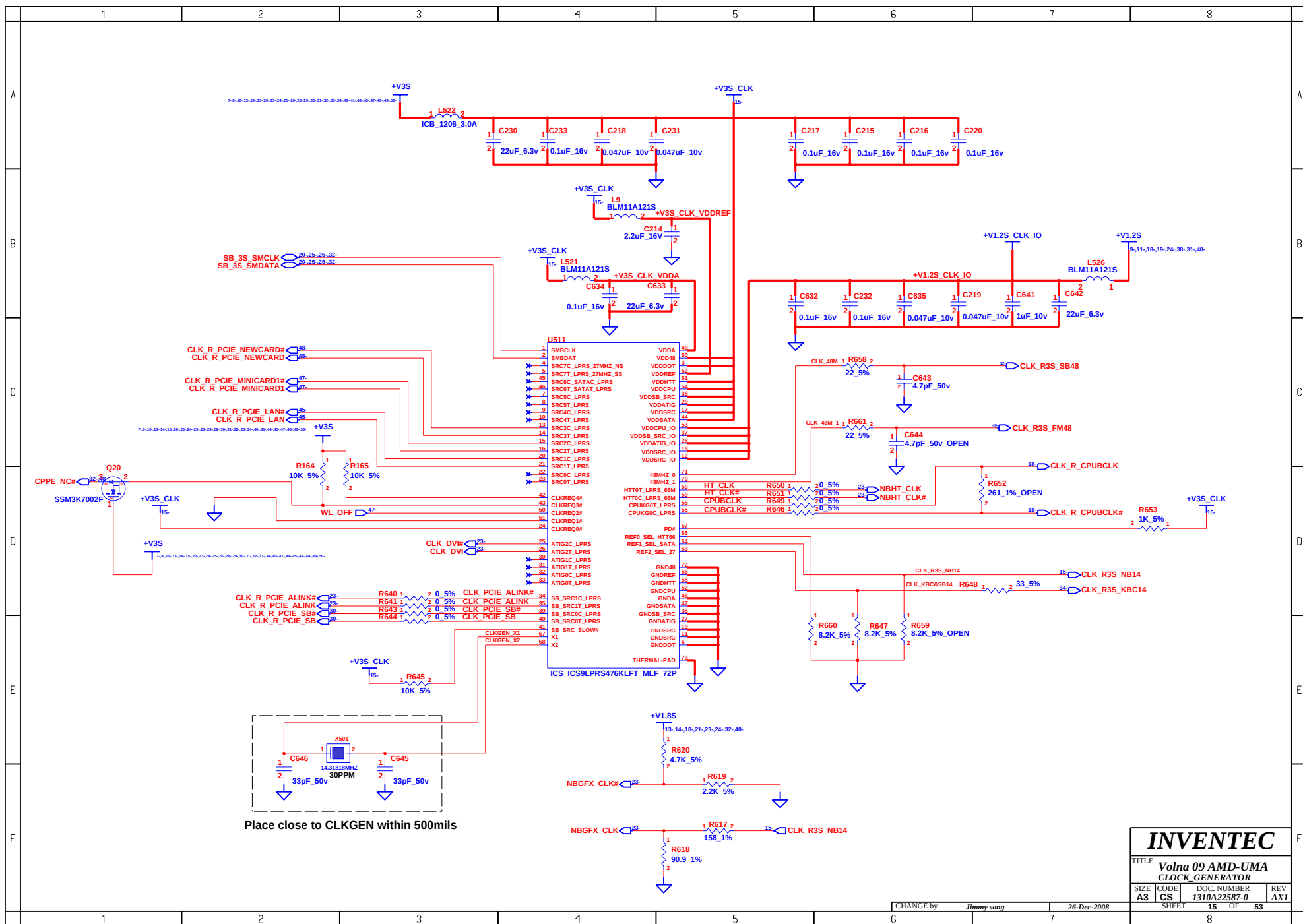
INVENTEC

TITLE
**Volna 09 AMD-UMA
POWER(Sequence)**

SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310A22587-0	AX1

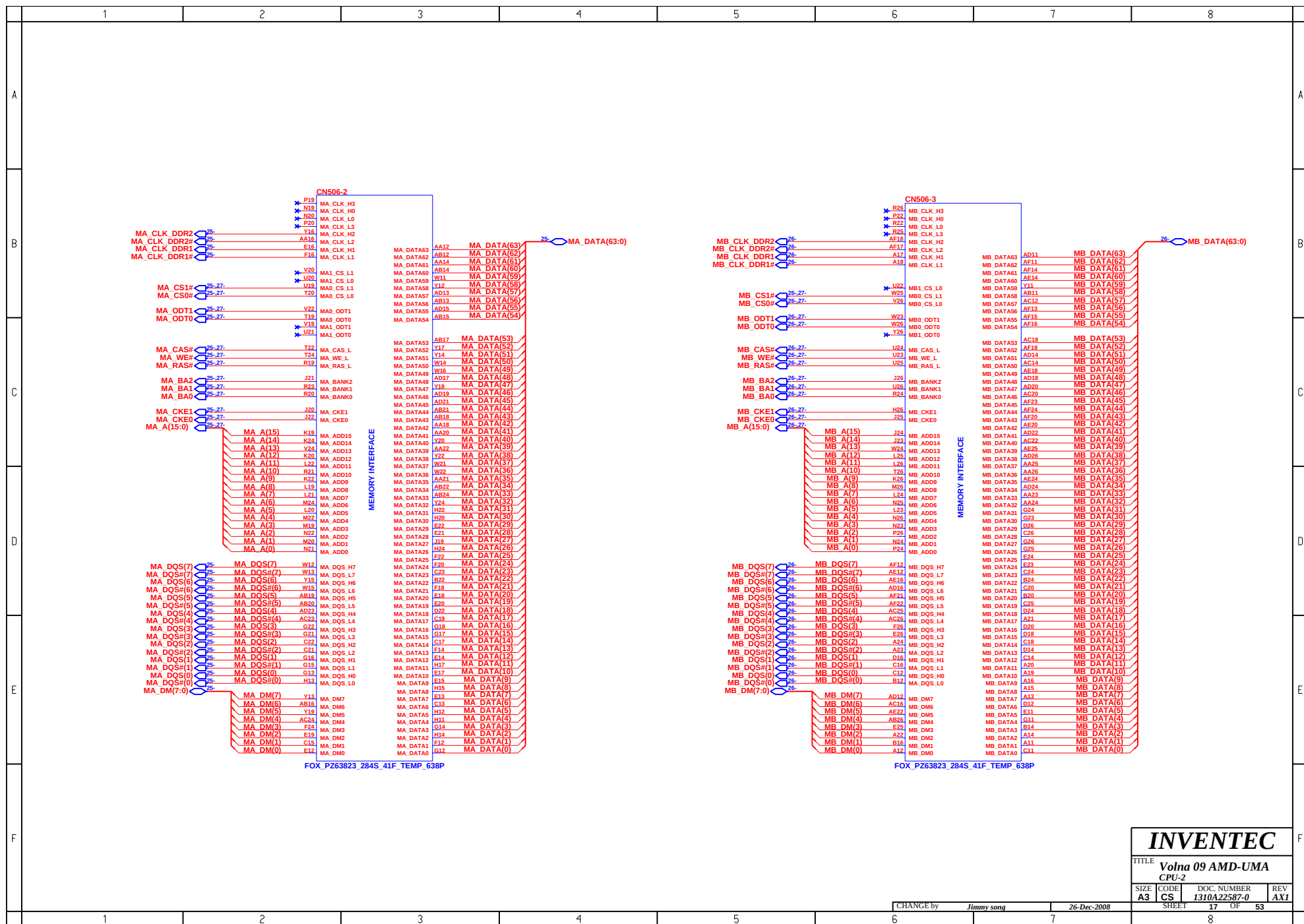
SHEET	14	OF	53

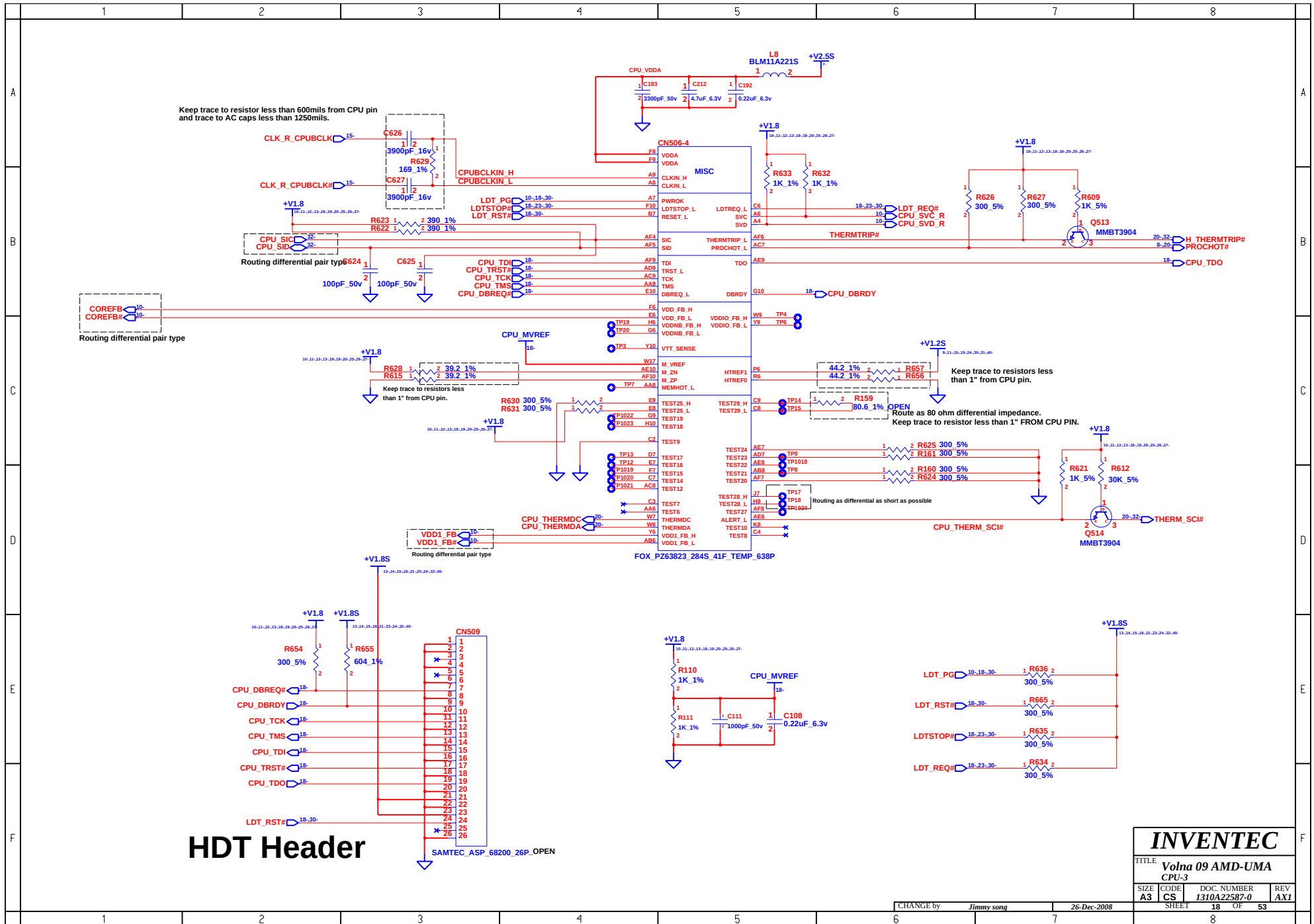
CHANGE by Jimmy song 26-Dec-2008

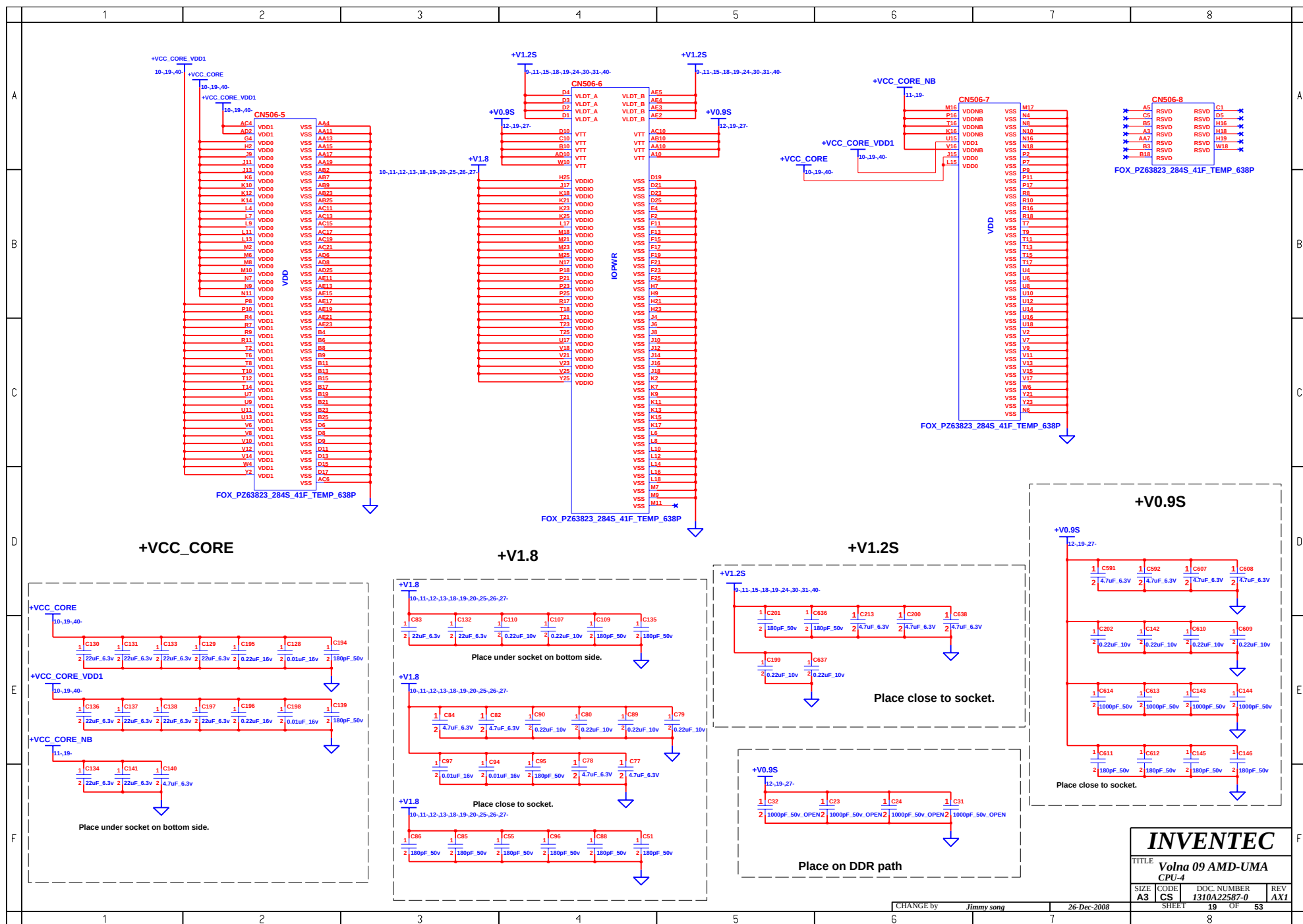


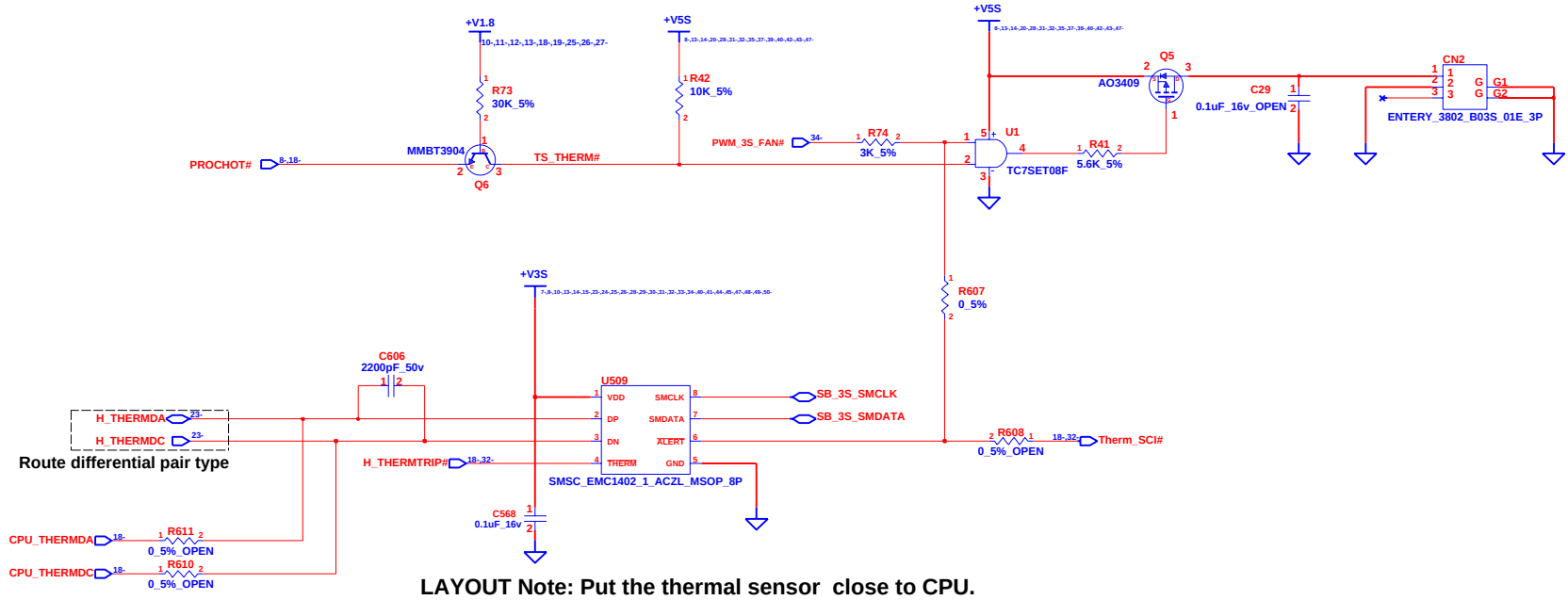


SHEET 16
8

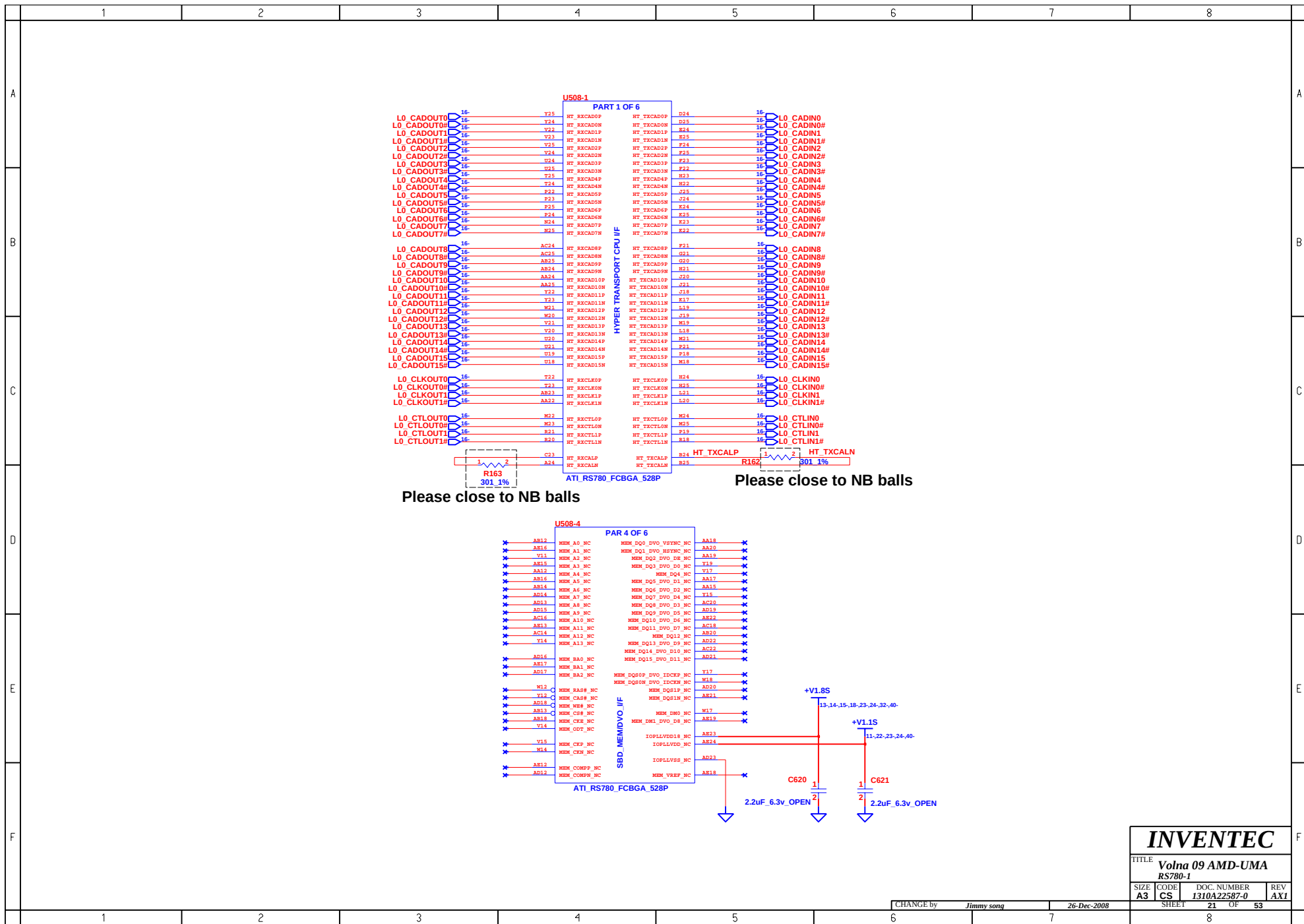


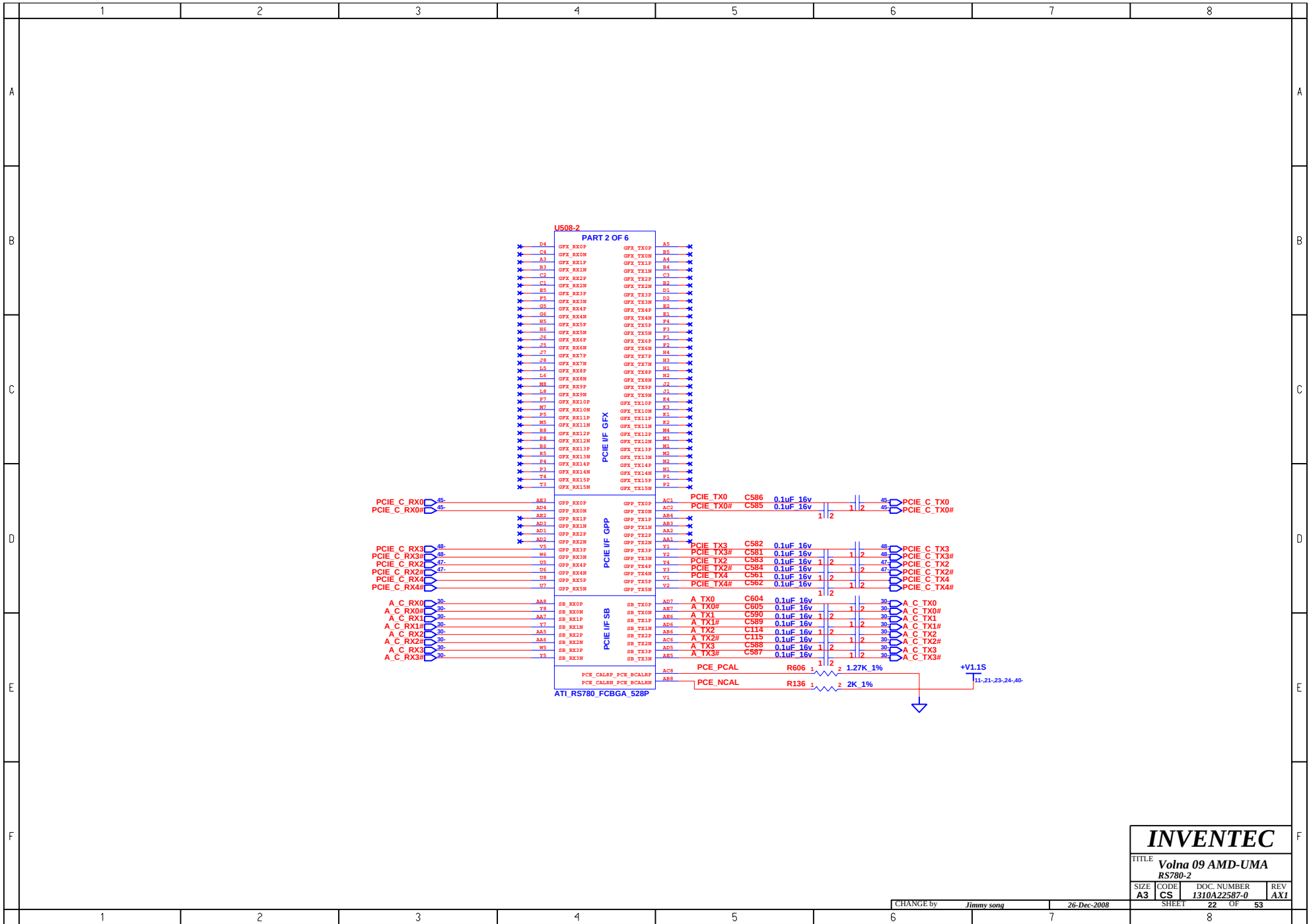


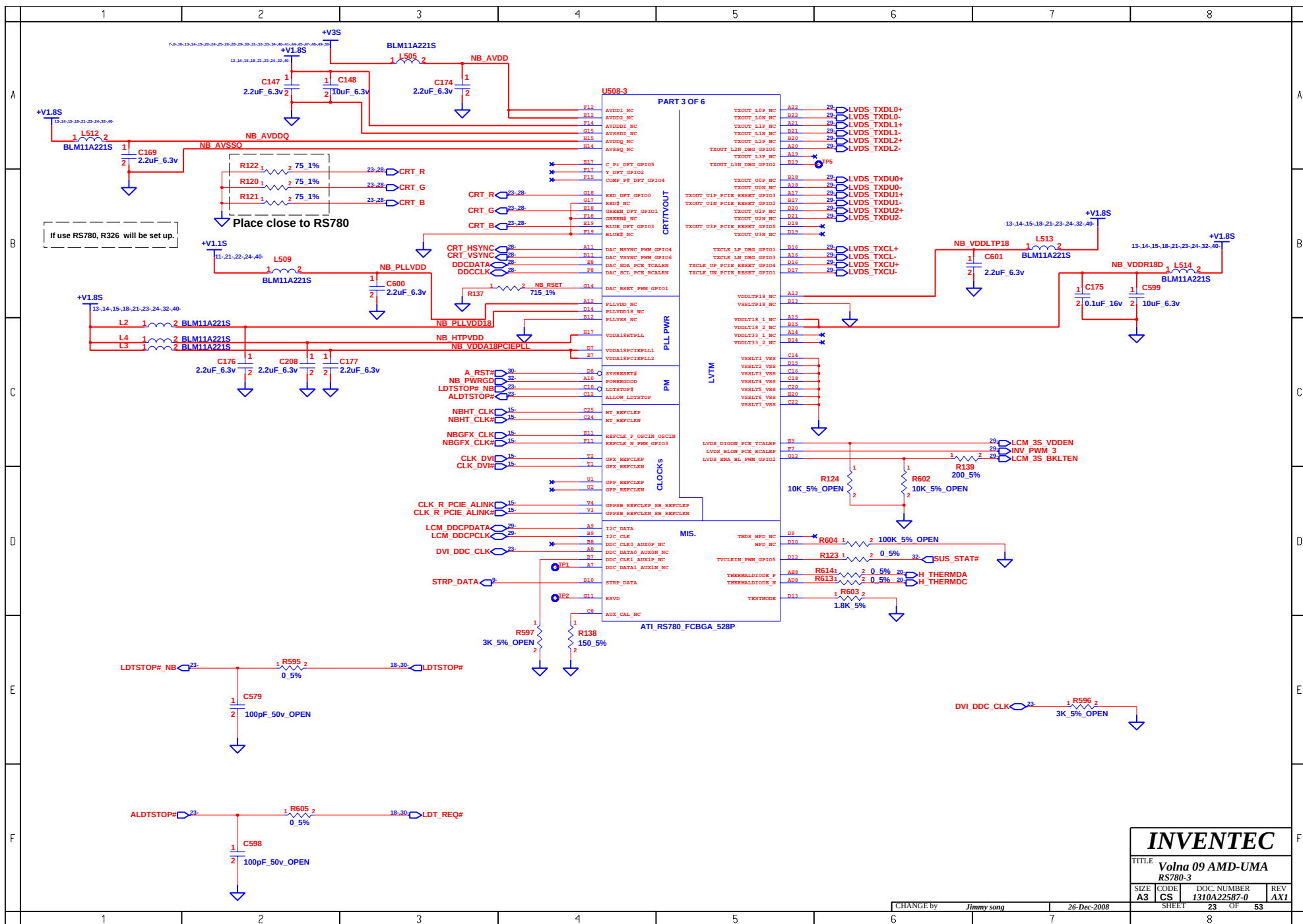


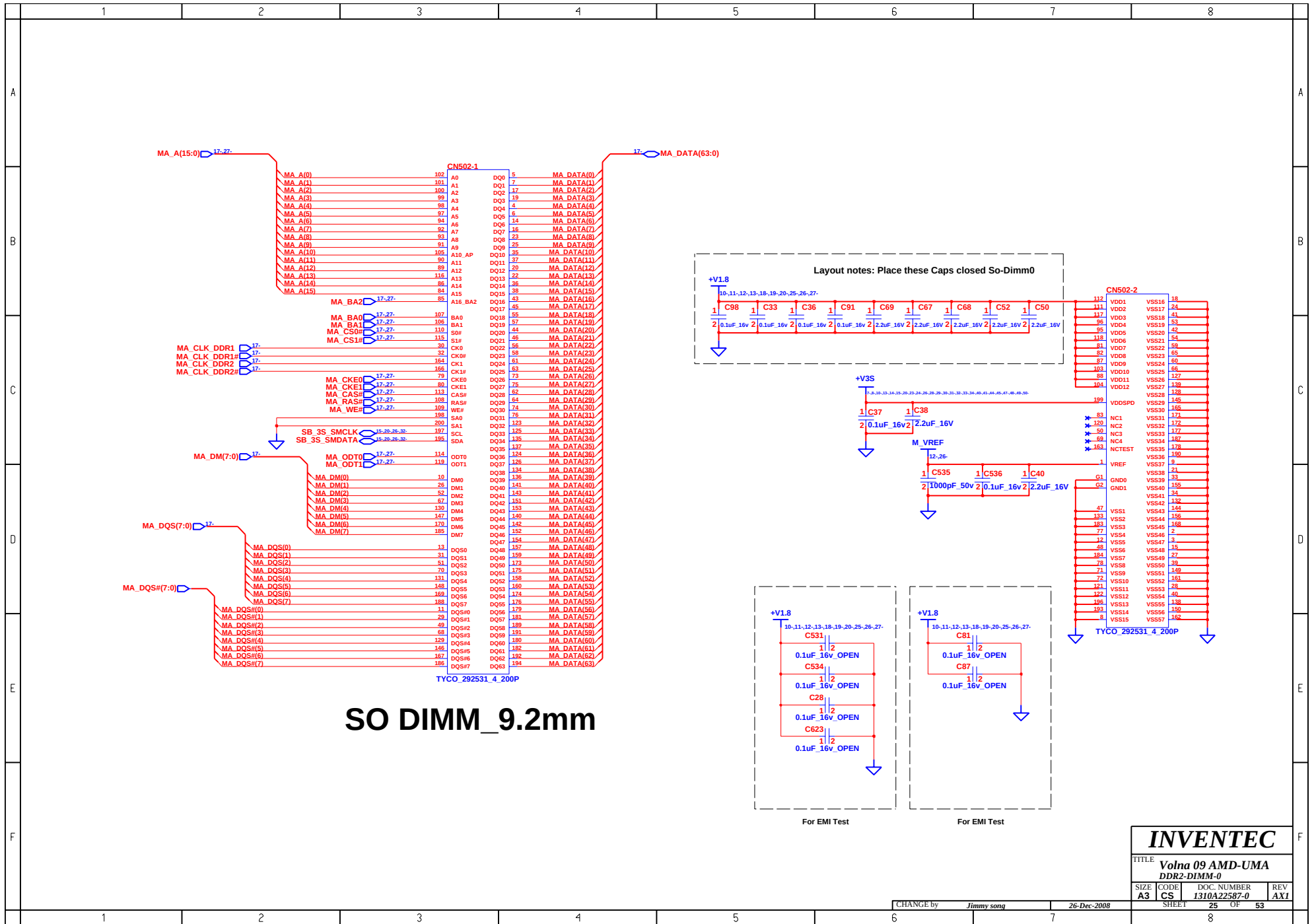


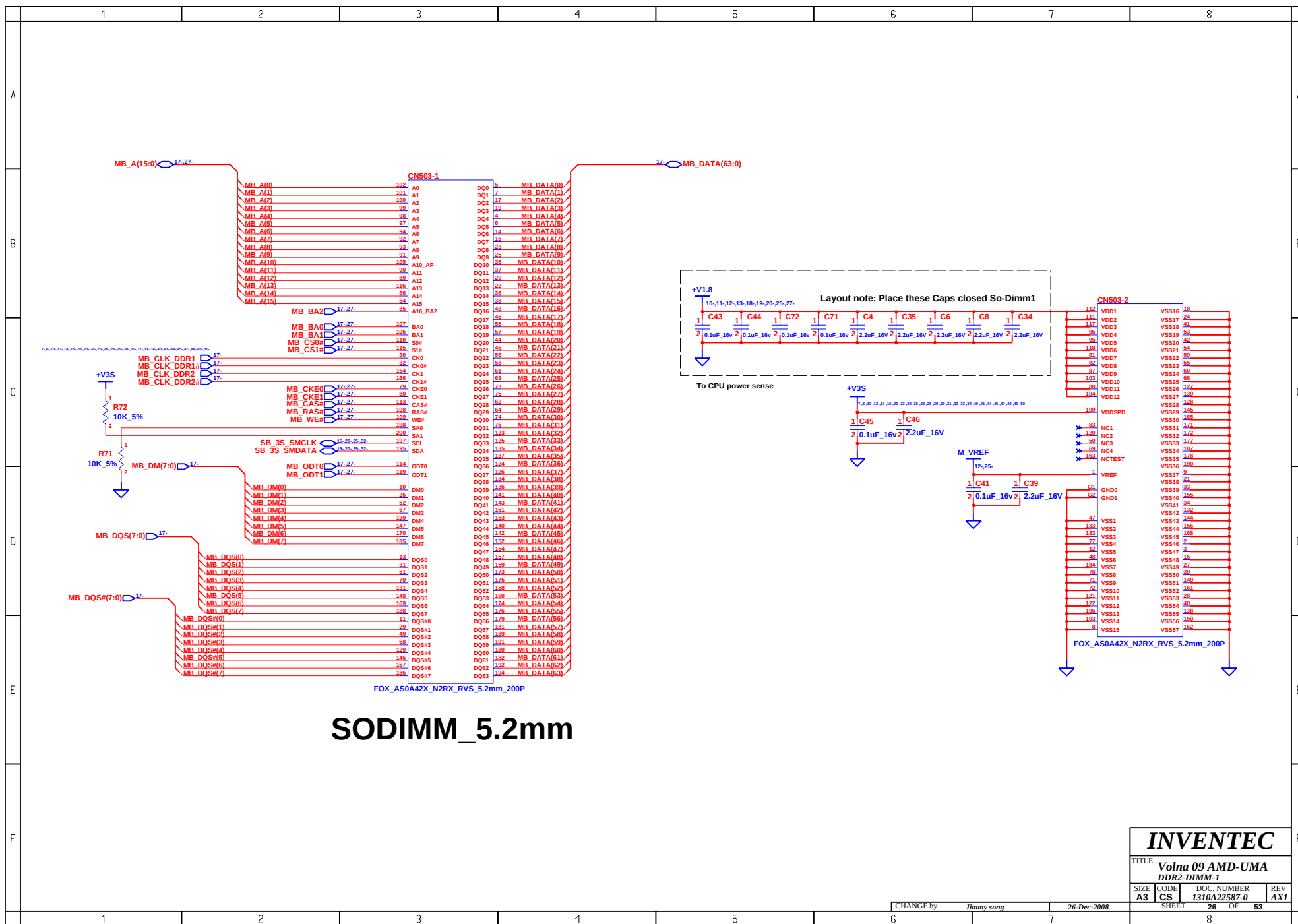
INVENTEC			
TITLE			
Volna 09 AMD-UMA			
THERMAL & FAN CONTROLLER			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310AZ2587-0	AX1
CHANGE by		26-Dec-2008	
JIMMY SONG			
SHEET		20	OF 53

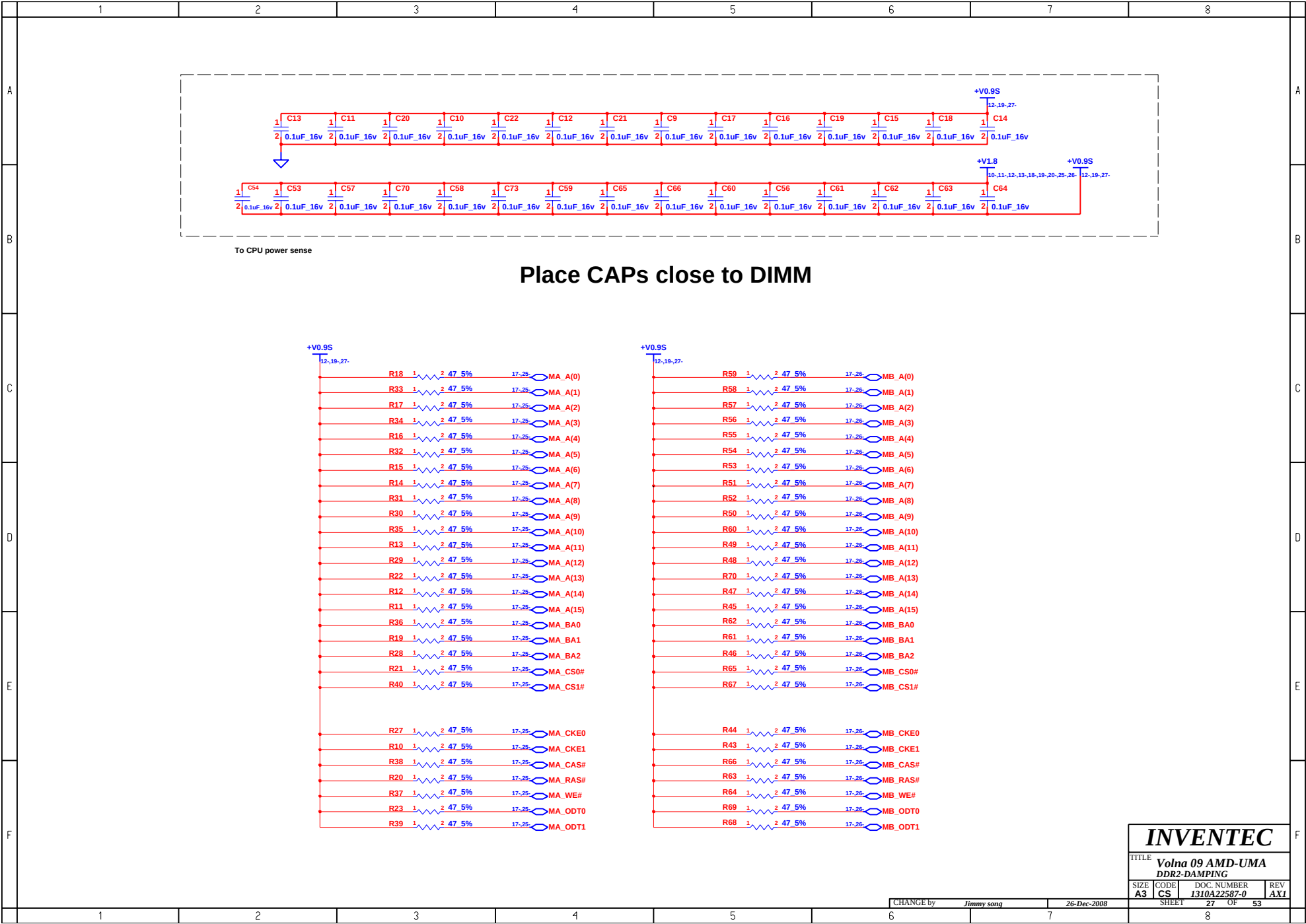












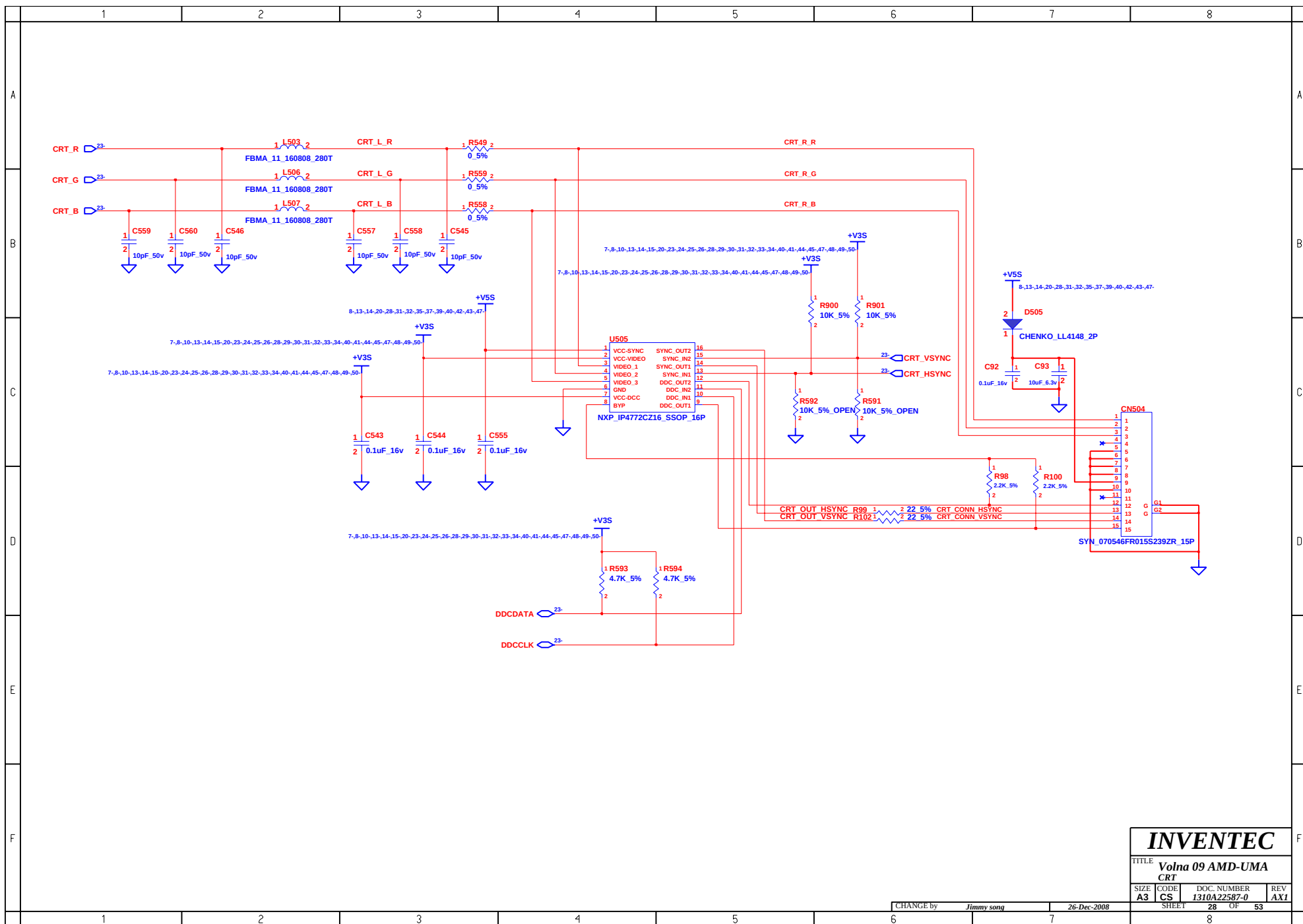
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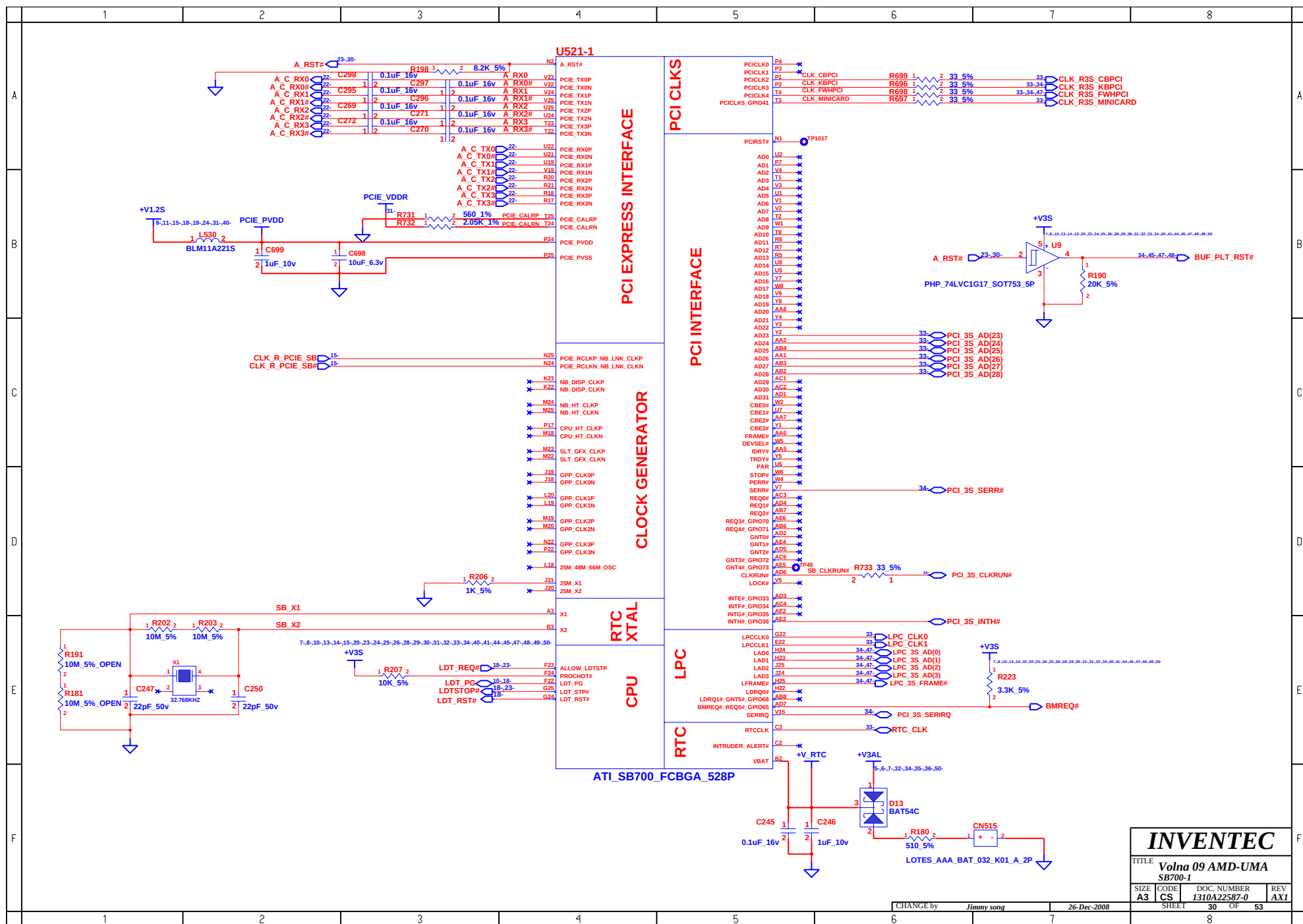
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**Volna 09 AMD-UMA
DDR2-DAMPING**

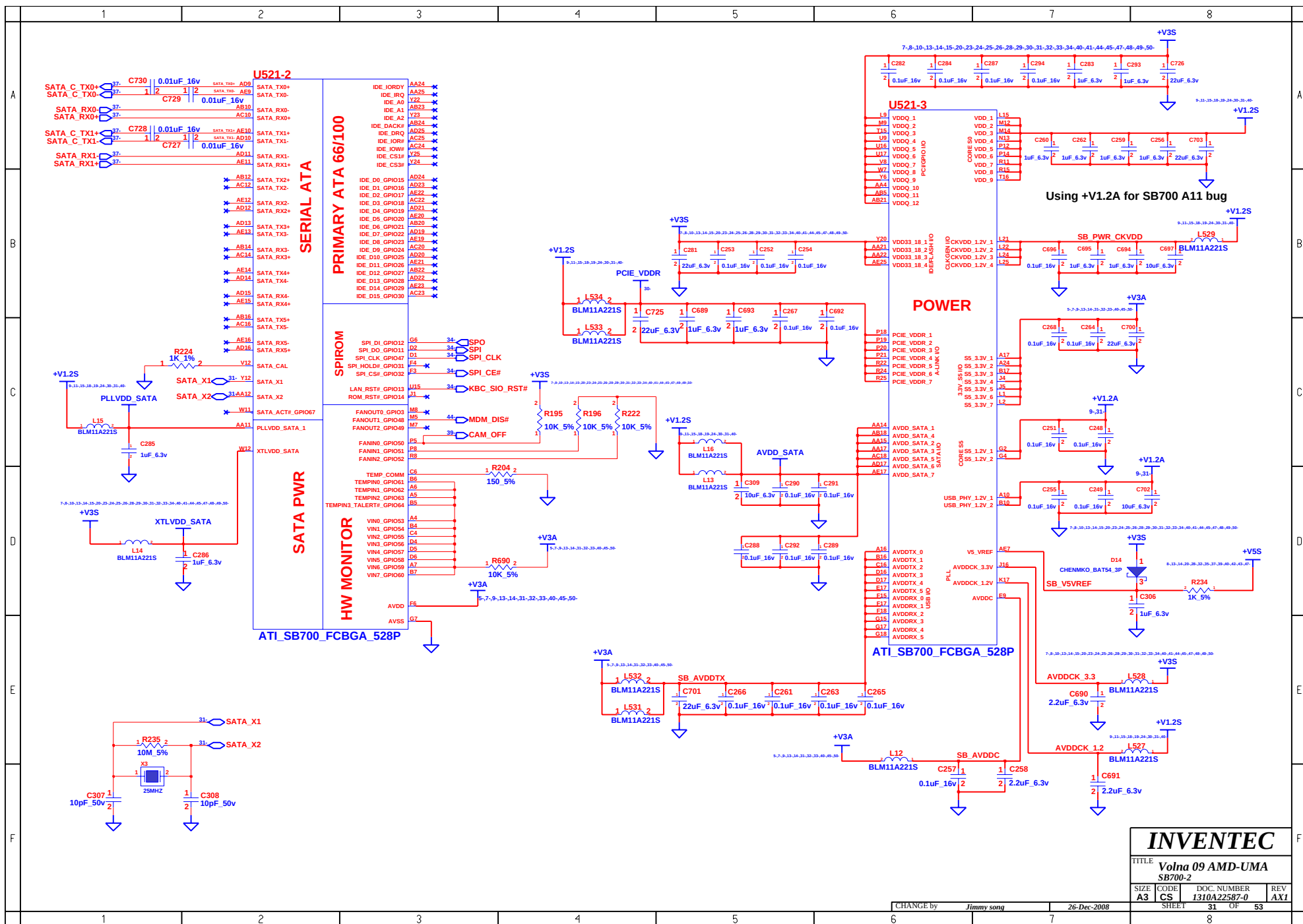
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A3 CS I310A22587-0 AX1

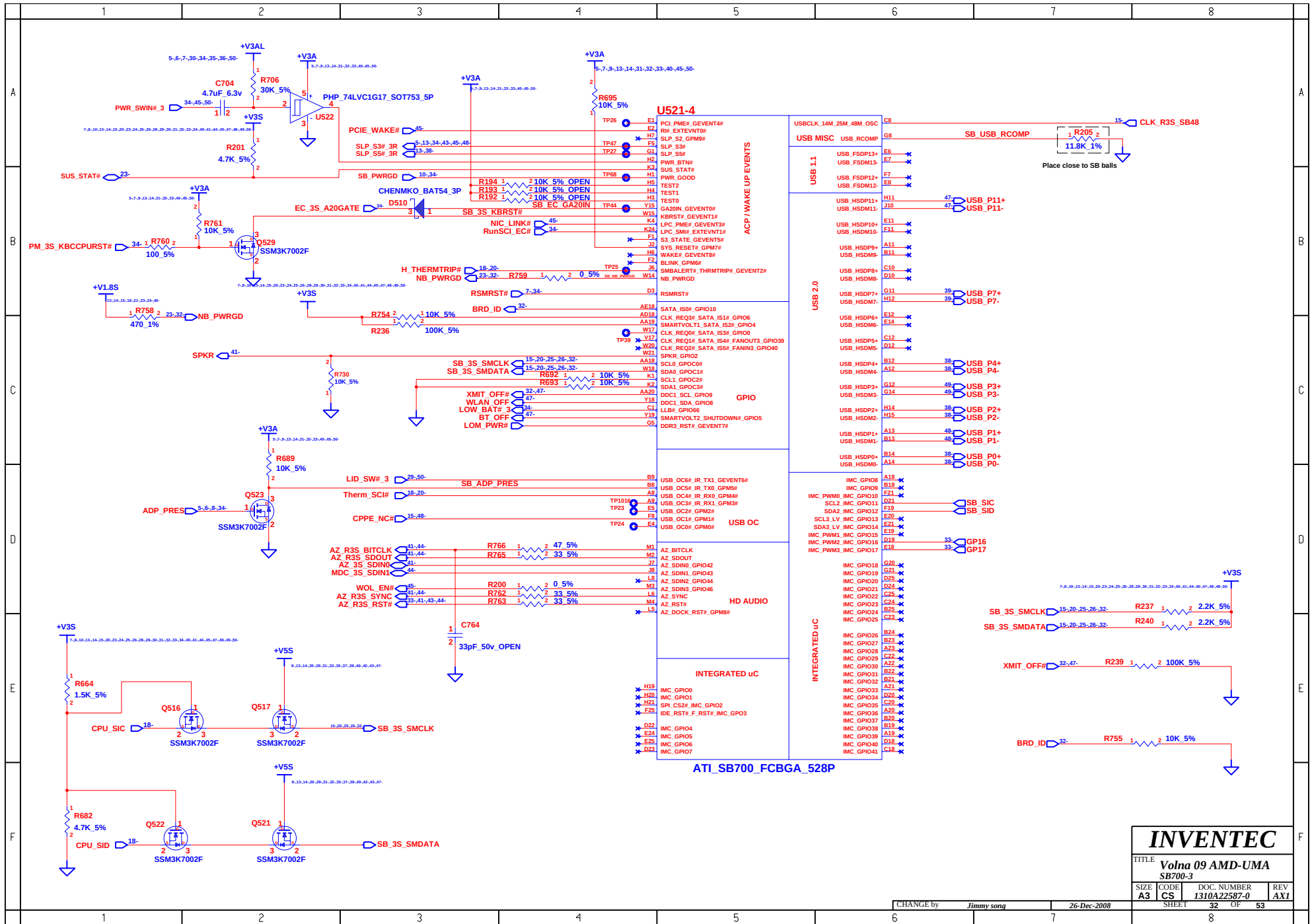
CHANGE by *Jimmy song* 26-Dec-2008

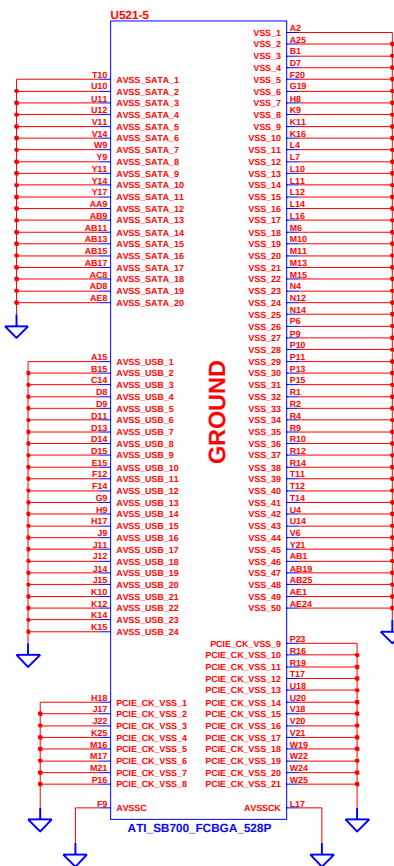
SHEET 27 OF 53









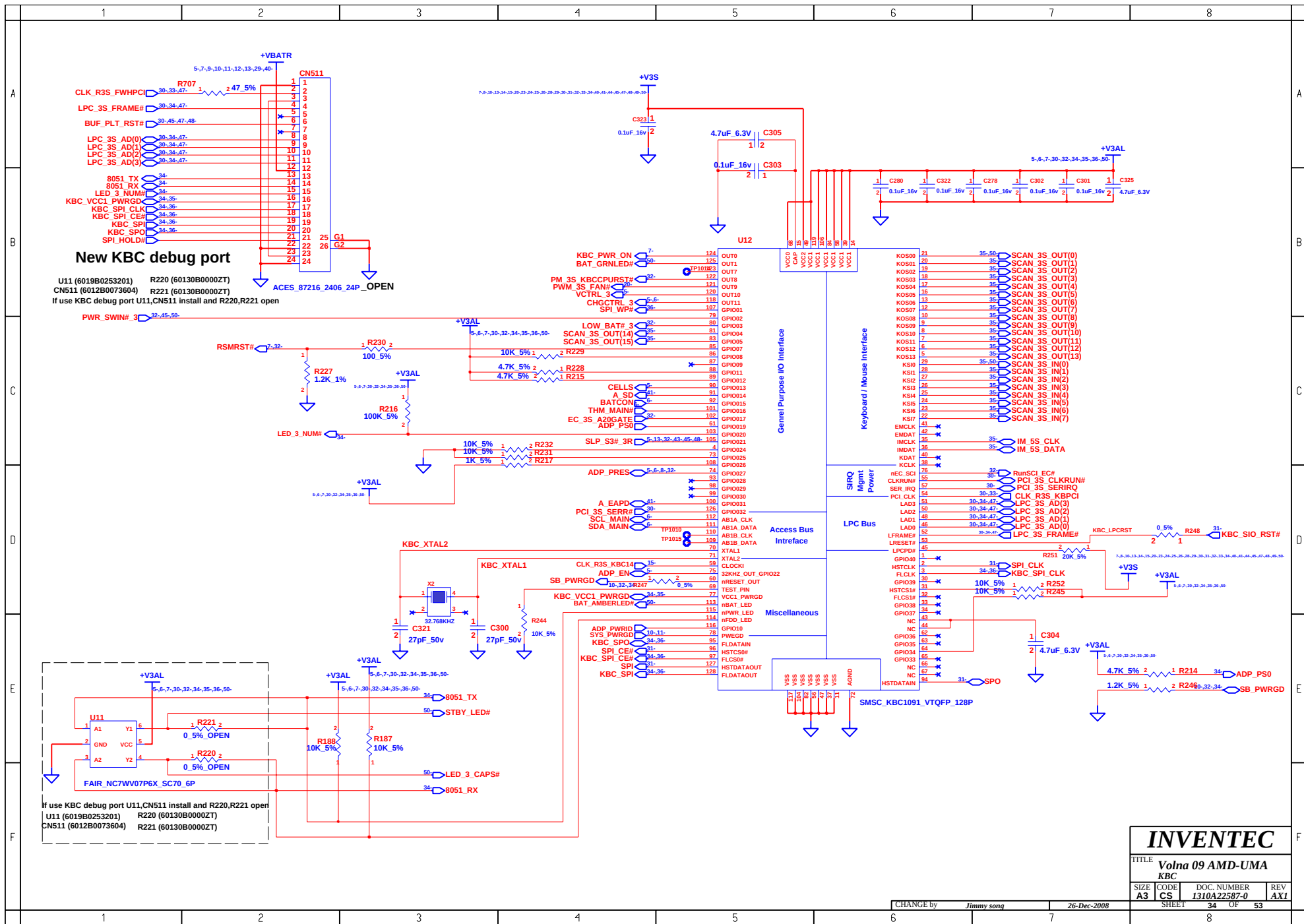


	CLK_R3S_CBPCI	CLK_R3S_KBPCI	CLK_R3S_FWHPCI	CLK_R3S_MINICARD	LPC_CLK0	LPC_CLK1	RTC_CLK	AZ_RST#	GP17 GP16
PULL HIGH	BOOTFAIL TIMER ENABLED	USE DEBUG STRAPS	RESERVED	RESERVED	ENABLE PCI MEM BOOT	CLKGEN ENABLED	INTERNAL RTC DEFAULT	EC ENABLED	ROM TYPE H, H = Reserved H, L = SPI ROM
PULL LOW	BOOTFAIL TIMER DISABLED DEFAULT	IGNORE DEBUG STRAPS DEFAULT			DISABLE PCI MEM BOOT DEFAULT	CLKGEN DISABLED DEFAULT	EXT. RTC (P0 on X1, apply 32KHz to RTC_CLK	EC DISABLED DEFAULT	L, H = LPC ROM L, L = FWH ROM

SB700 HAS 15K INTERNAL PU FOR PCI_AD

	PCI_3S_AD(28)	PCI_3S_AD(27)	PCI_3S_AD(26)	PCI_3S_AD(25)	PCI_3S_AD(24)	PCI_3S_AD(23)
PULL HIGH	USE LONG RESET DEFAULT	USE PCI PLL DEFAULT	USE ACPI BCLK DEFAULT	USE IDE PLL DEFAULT	USE DEFAULT PCIE STRAPS DEFAULT	RESERVED
PULL LOW	USE SHORT RESET	BYPASS PCI PLL	BYPASS ACPI BCLK	BYPASS IDE PLL	USE EEPROM PCIE STRAPS	

SB700-4			
SIZE A3	CODE CS	DOC. NUMBER 1310A22587-0	REV AX1
SHEET 33 OF 53			



INVENTEC

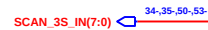
TITLE Volna 09 AMD-UMA

KBC

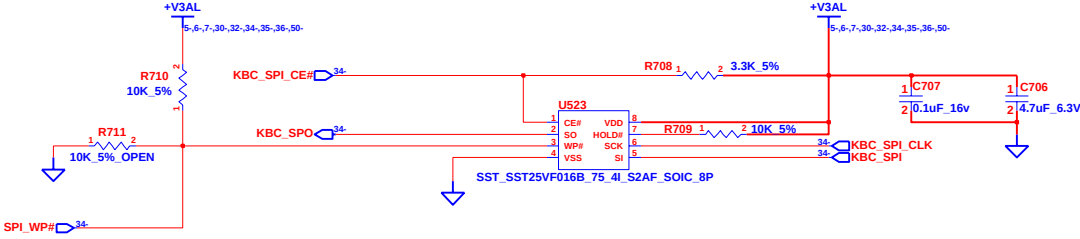
SIZE CODE DOC. NUMBER REV

A3 CS 1310A22587-0 34 OF 53

CHANGE by Jimmy song 26-Dec-2008



SPI Flash



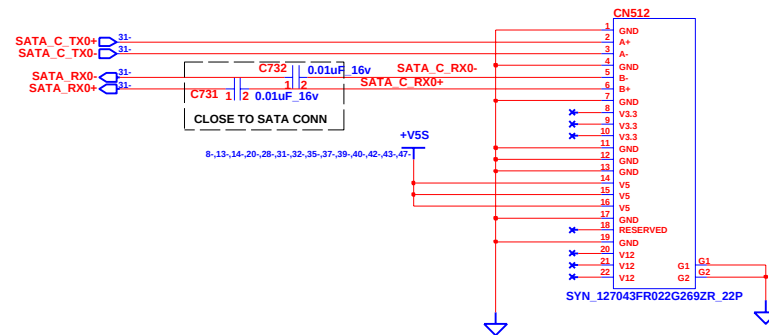
INVENTEC

TITLE Volna 09 AMD-UMA
SPI

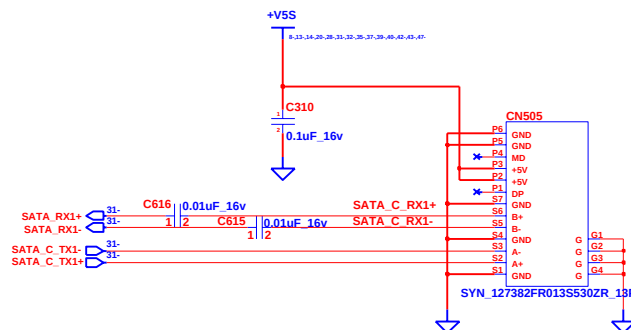
SIZE A3	CODE CS	DOC. NUMBER I310A22587-0	REV AX1
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CHANGE by Jimmy song 26-Dec-2008

SHEET 36 OF 53

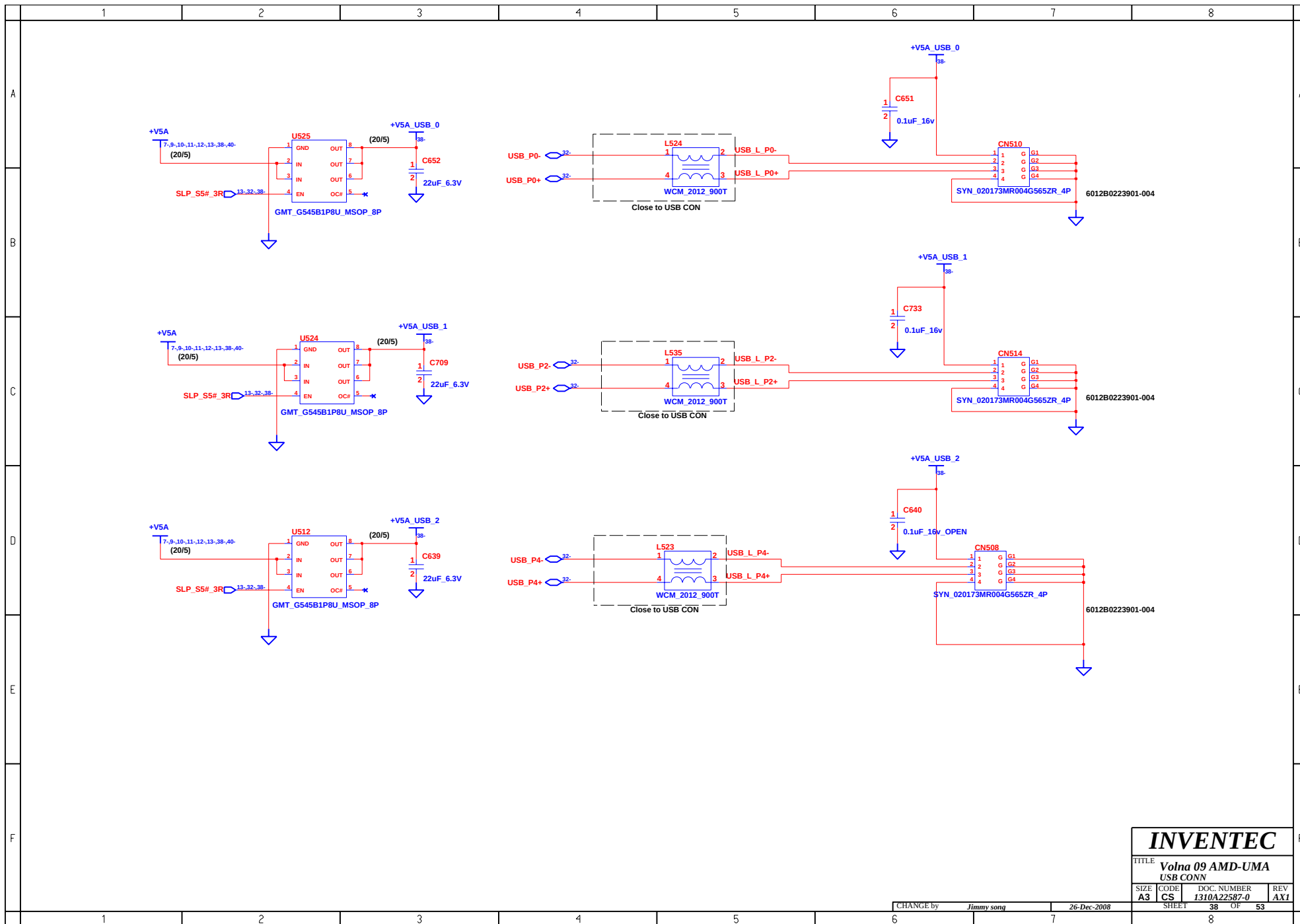


HDD CONNECTOR



ODD SATA CONNECTOR

INVENTEC			
TITLE Volna 09 AMD-UMA HDD & ODD CONN			
SIZE A3	CODE CS	DOC. NUMBER I310A22587-0	REV AX1
CHANGE by Jimmy song		26-Dec-2008	
SHEET 37		OF 53	



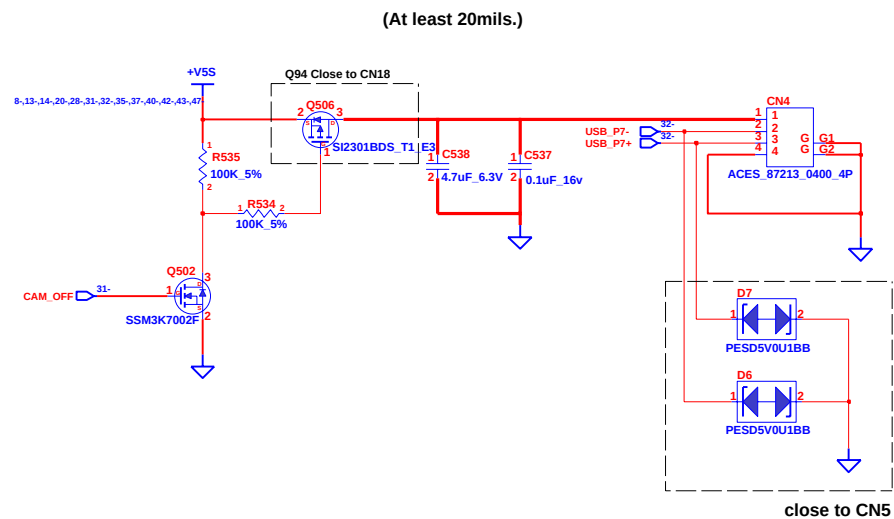
INVENTEC

TITLE
Volna 09 AMD-UMA
USB CONN

SIZE A3	CODE CS	DOC. NUMBER I310AZ2587-0	REV AX1
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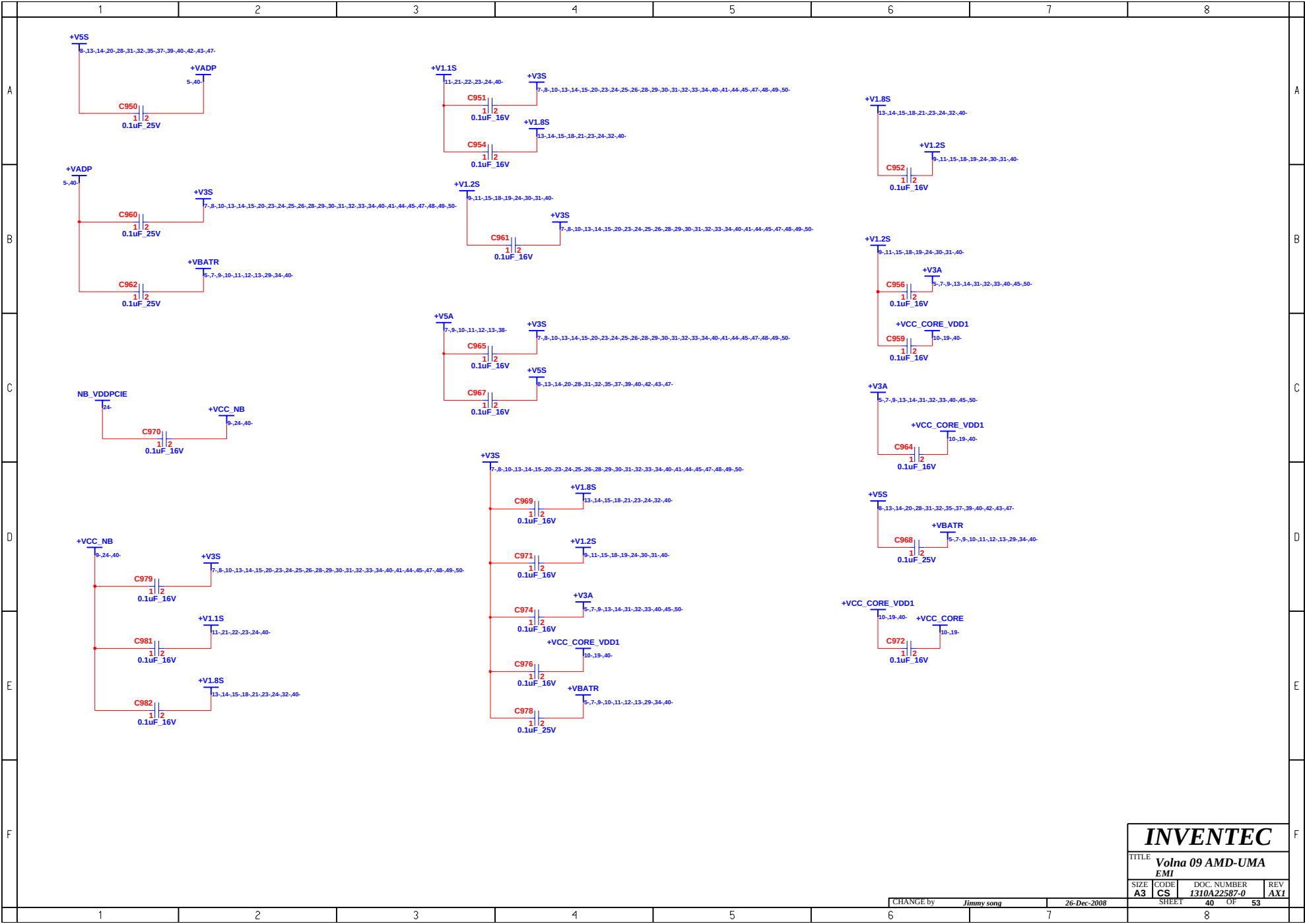
CHANGE by *Jimmy song* 26-Dec-2008

SHEET 38 OF 53



USB WEBCAM CONNECTOR

INVENTEC			
TITLE			
Volna 09 AMD-UMA			
USB WEBCAM CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A22587-0	AX1
CHANGE by		26-Dec-2008	
SHEET		39	OF 53



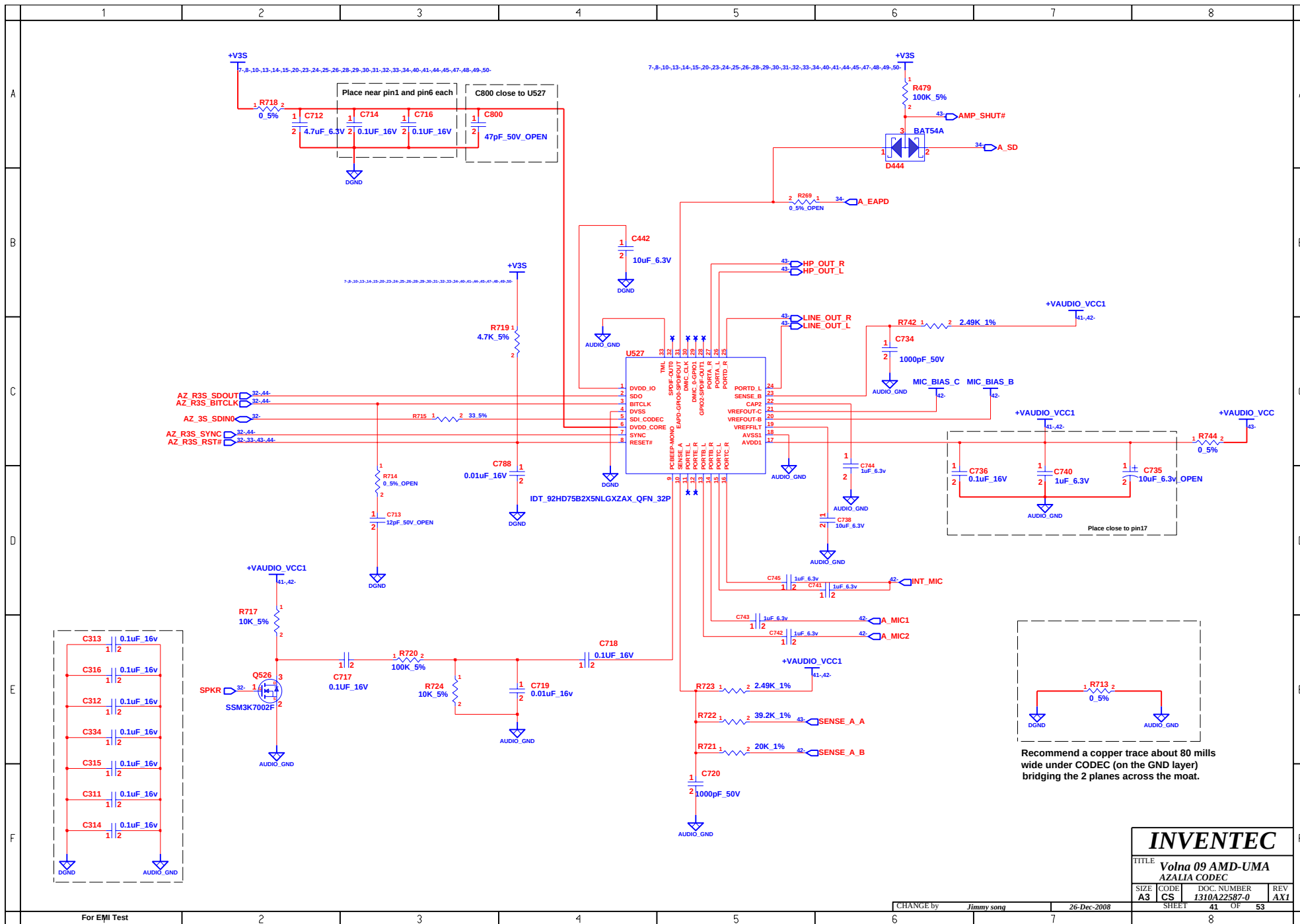
INVENTEC

TITLE
Volna 09 AMD-UMA

SIZE CODE DOC. NUMBER REV
A3 CS 1310A22587-0 AX1

CHANGE by Jimmy song 26-Dec-2008

SHEET 40 OF 53



INVENTEC

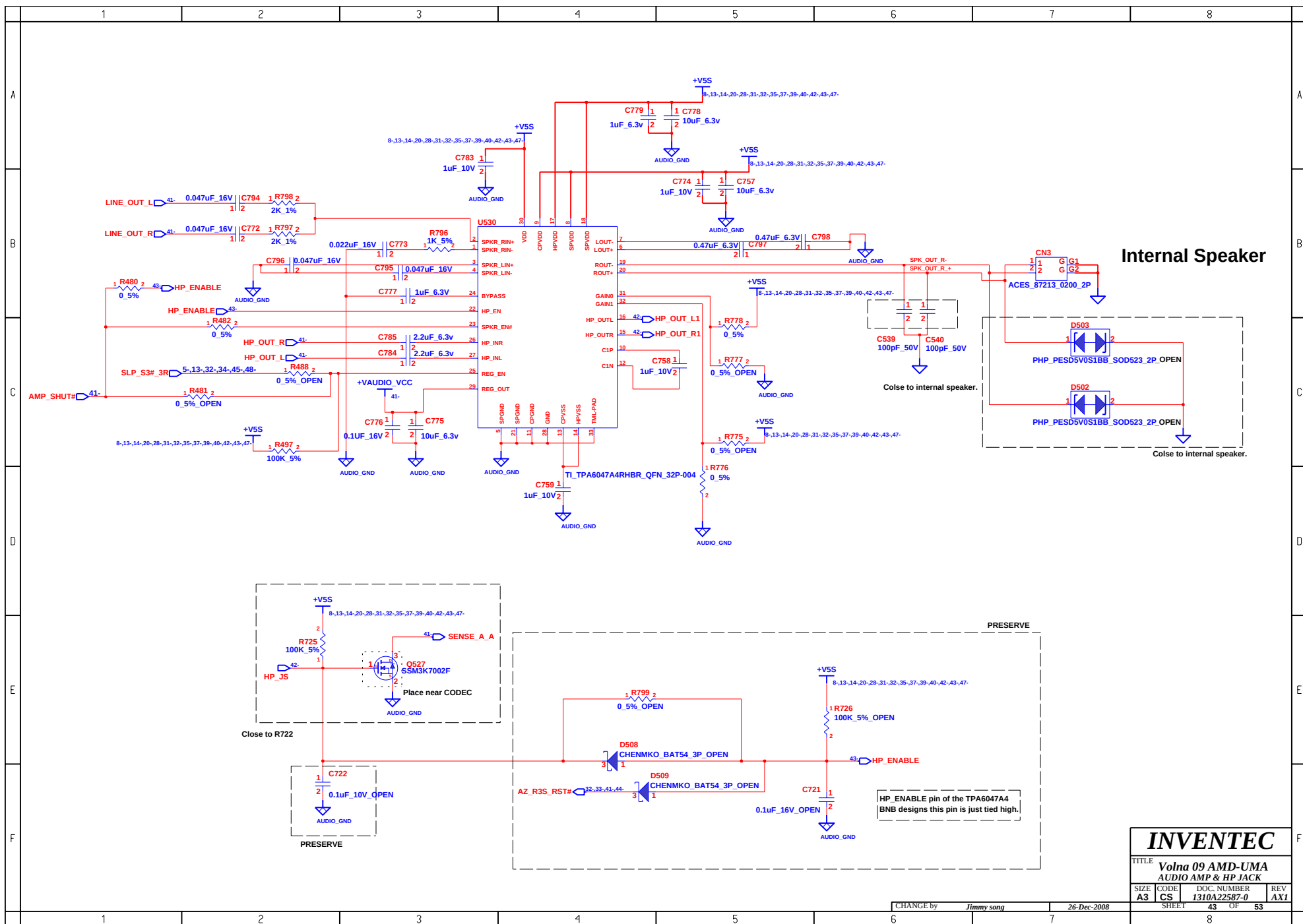
TITLE
Volna 09 AMD-UMA
AZALIA CODEC

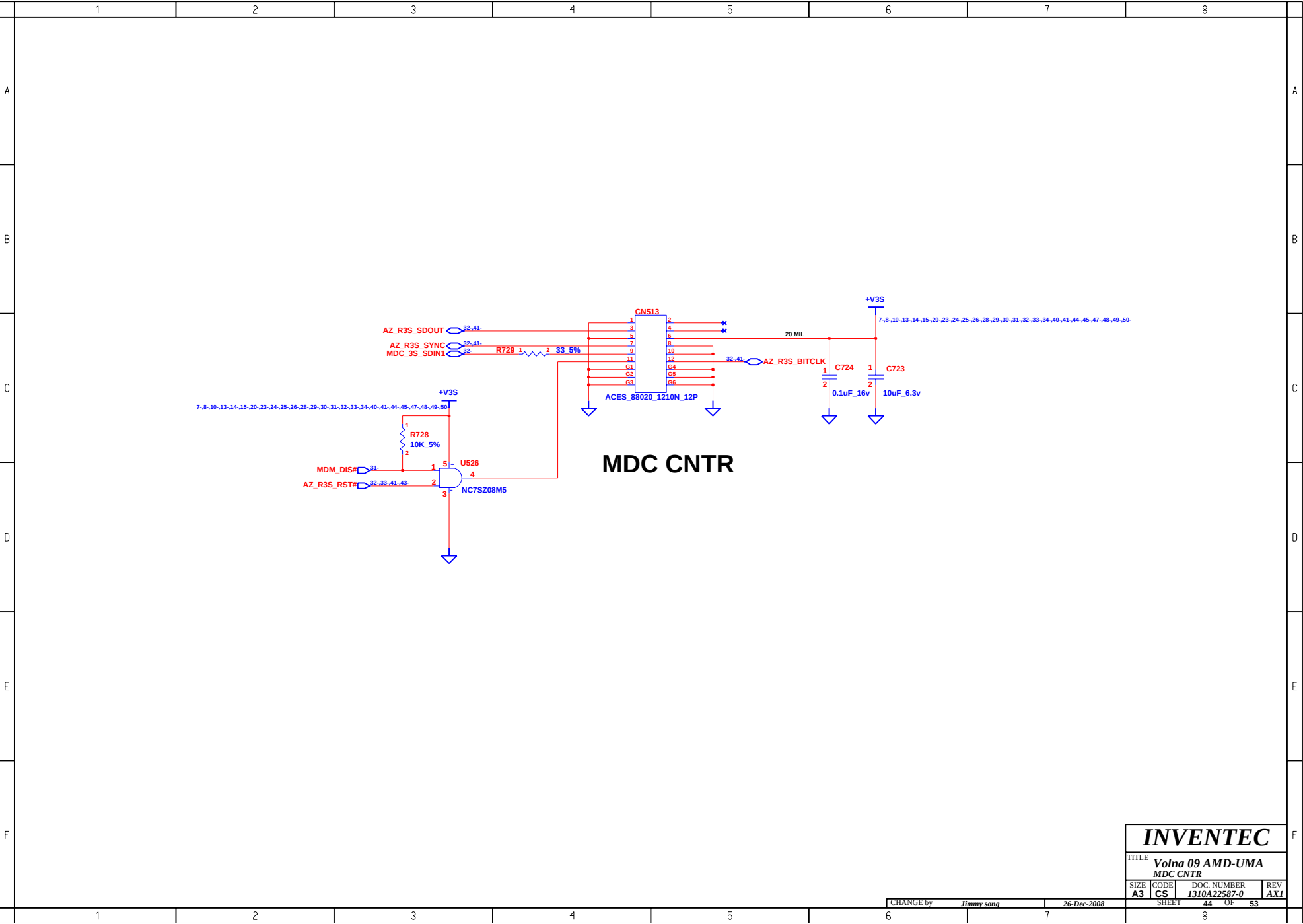
SIZE A3	CODE CS	DOC. NUMBER I310AZ2587-0	REV AX1
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SHEET 41 OF 53

CHANGE by Jimmy song 26-Dec-2008

For EMI Test



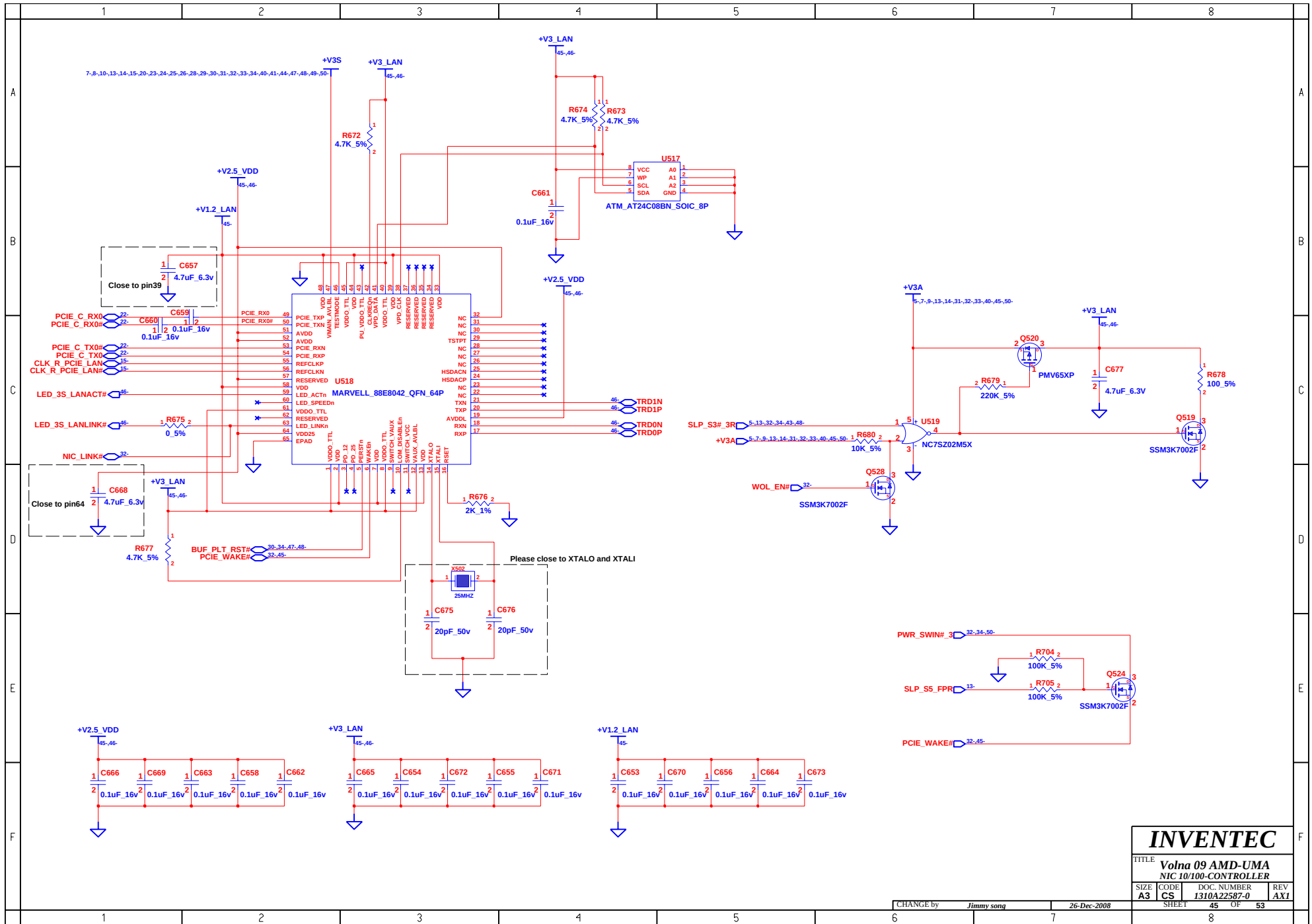


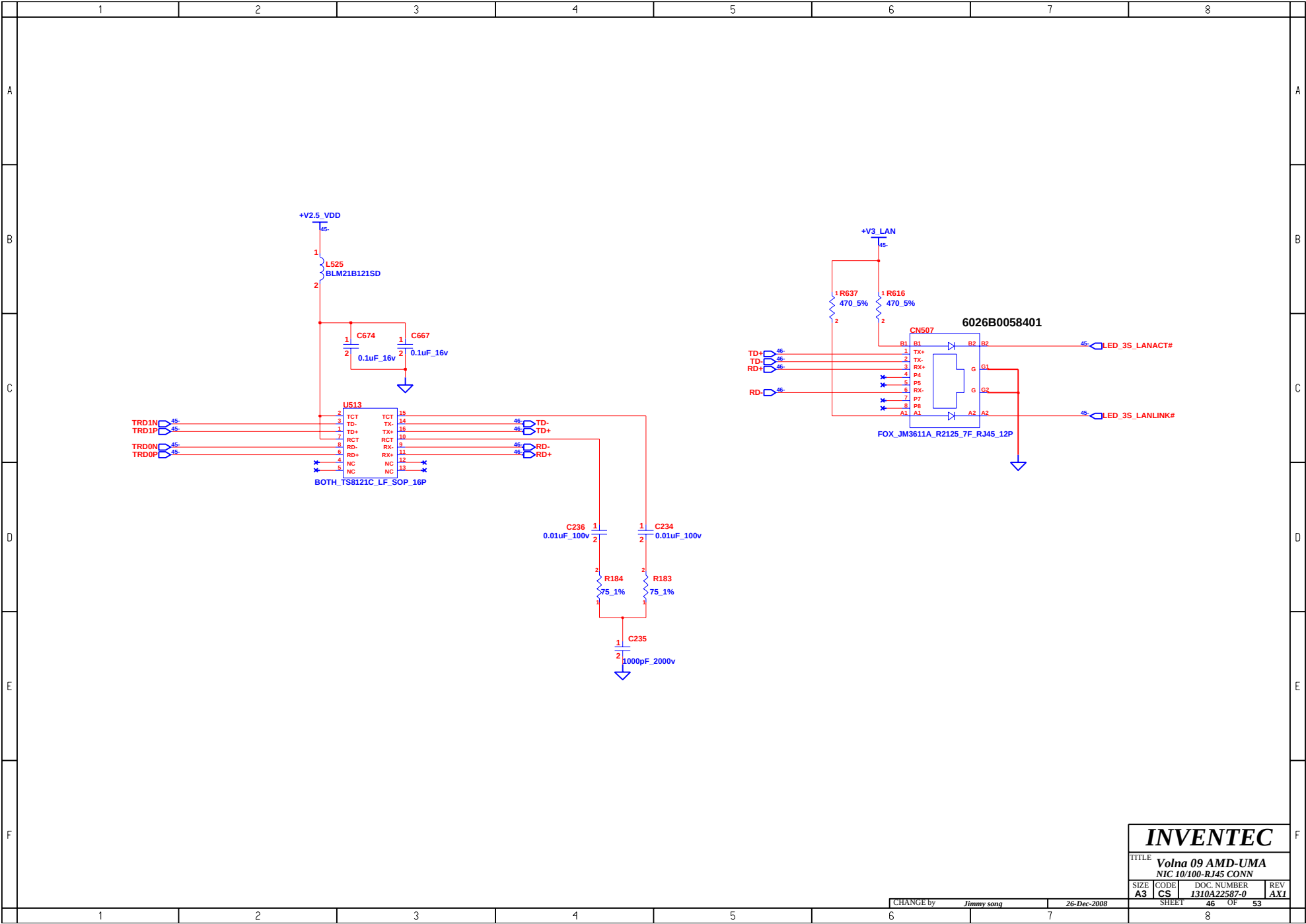
INVENTEC

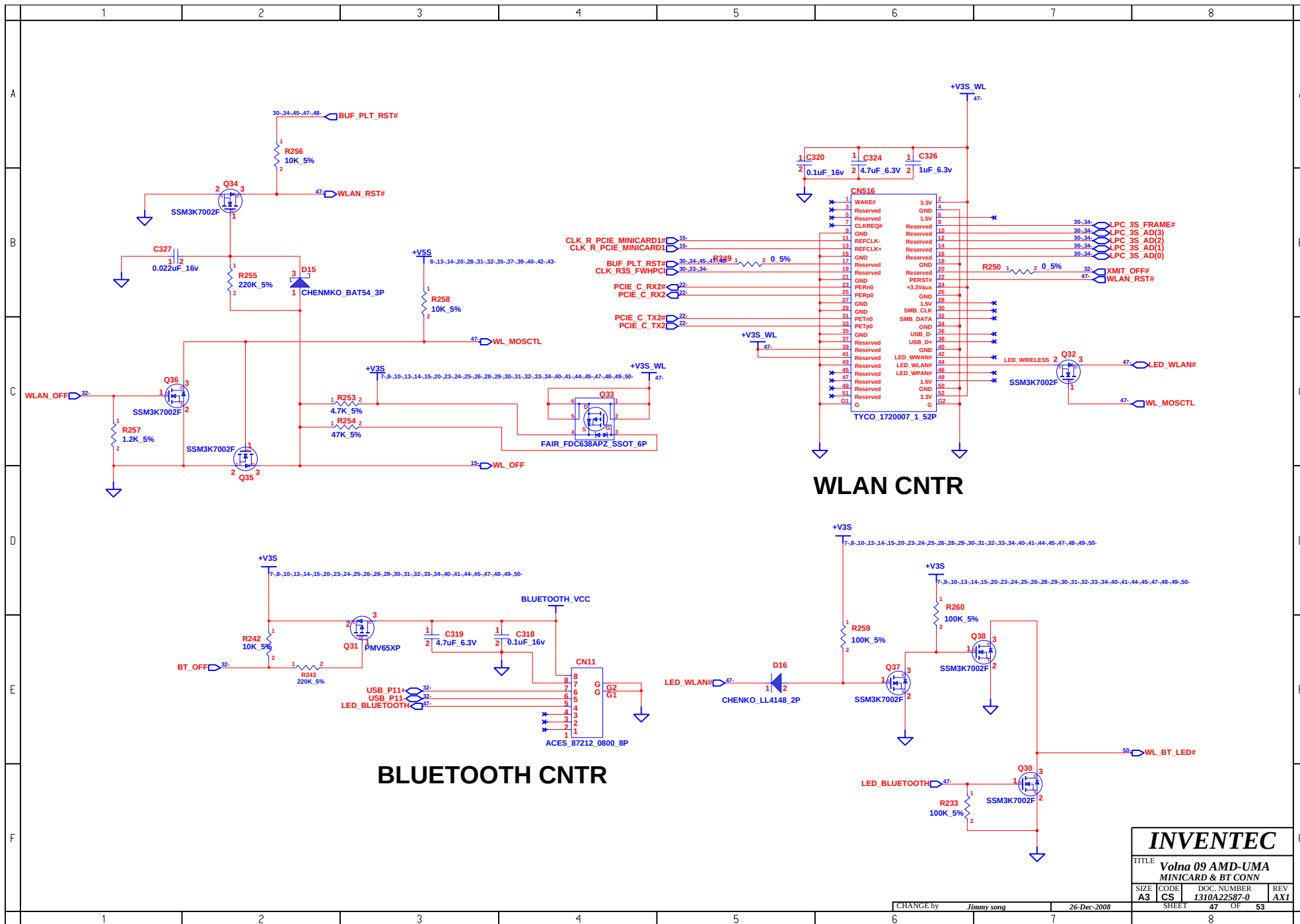
TITLE
Volna 09 AMD-UMA
MDC CNTR

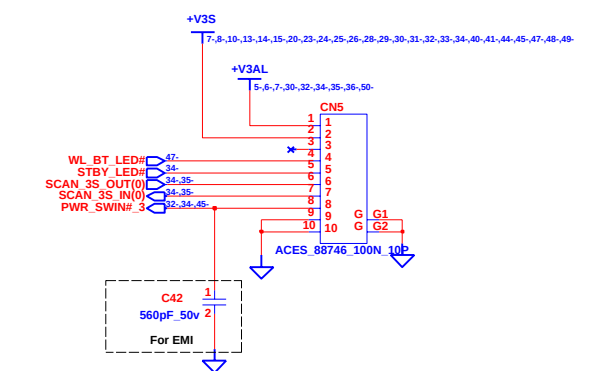
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310AZ2587-0	AX1

CHANGE by	DATE	SHEET	OF
Jimmy song	26-Dec-2008	44	53

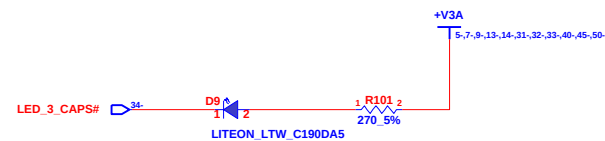




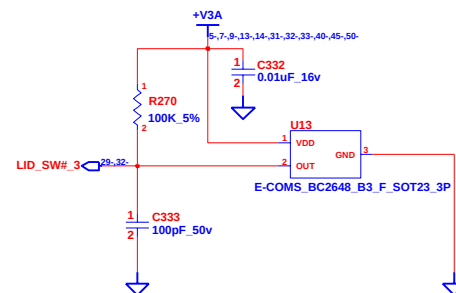




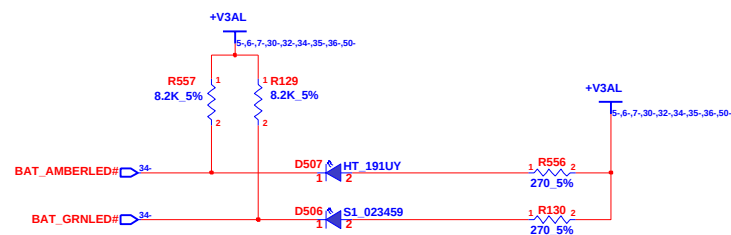
SWITCH DAUGHTER CONNECTOR



CAP LED

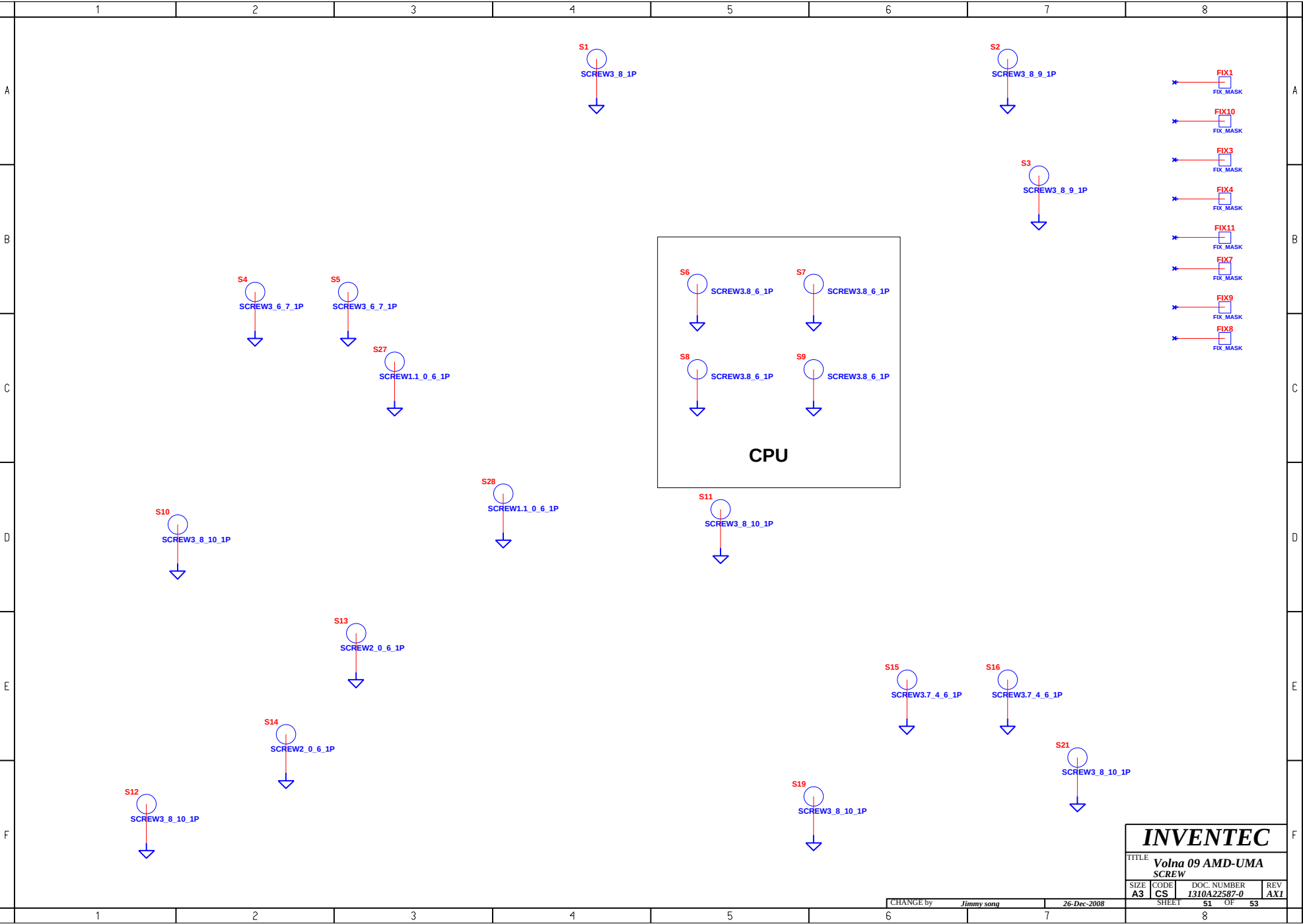


LID SWITCH



BATTERY-CHARGE LED

INVENTEC			
TITLE			
Volna 09 AMD-UMA			
BUTTON & LED			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310A22587-0	AX1
CHANGE by		26-Dec-2008	
SHEET		50	OF 53



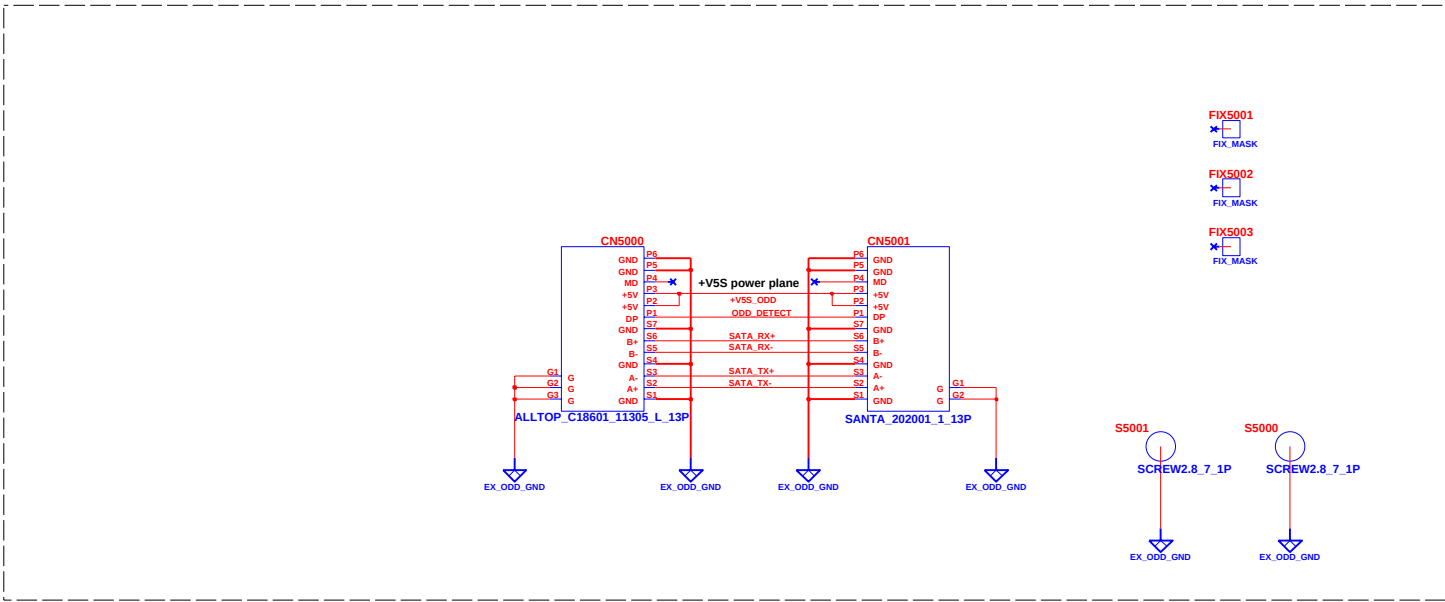
INVENTEC

TITLE
**Volna 09 AMD-UMA
SCREW**

SIZE A3	CODE CS	DOC. NUMBER I310A22587-0	REV AX1
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CHANGE by *Jimmy song* 26-Dec-2008

SHEET 51 OF 53



ODD Extension Board

INVENTEC			
TITLE Volna 09 AMD-UMA ODD Extention Board			
SIZE A3	CODE CS	DOC. NUMBER 1310A22587-0	REV AX1
CHANGE by Jimmy song		26-Dec-2008	SHEET 52 OF 53

