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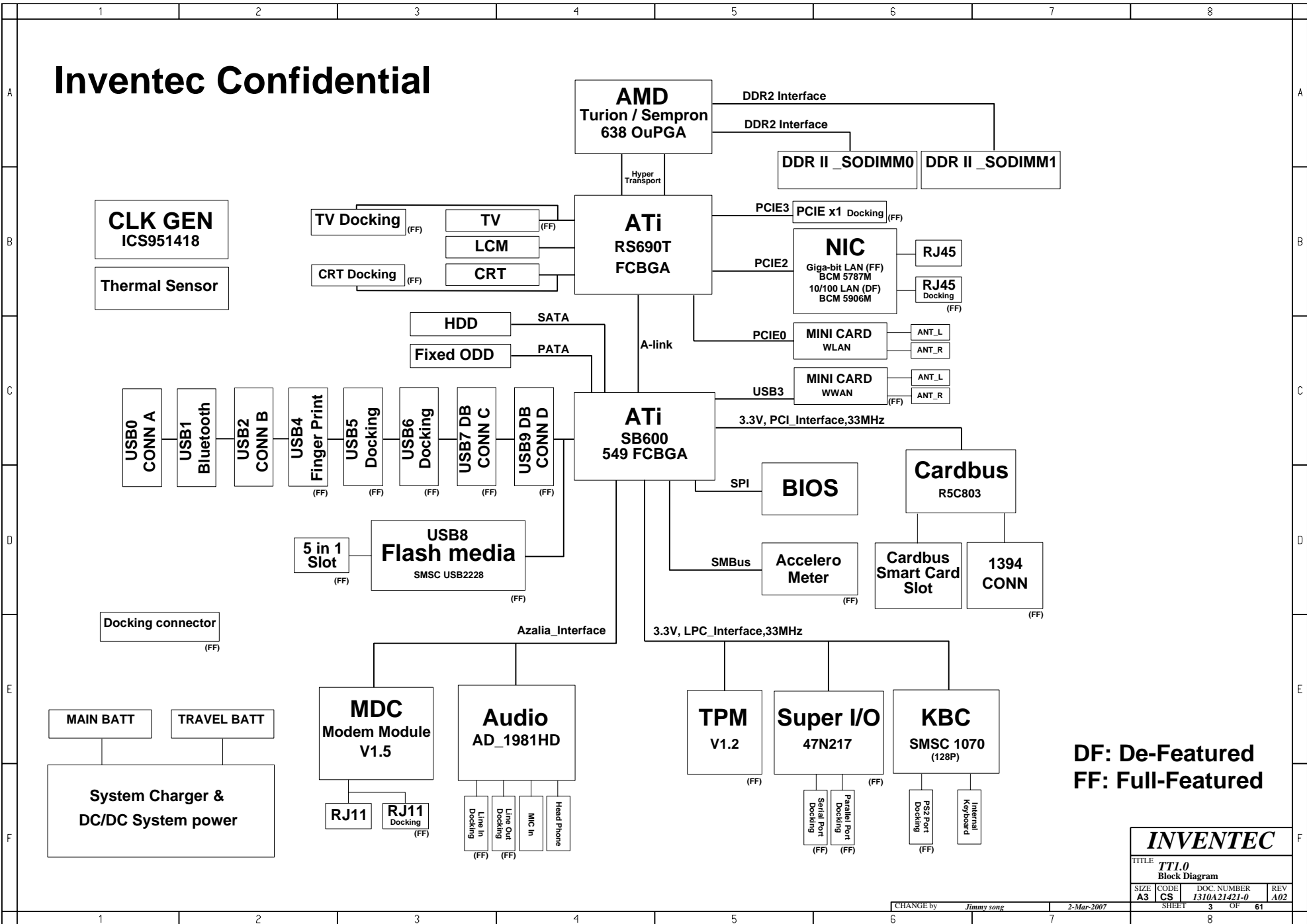
**INVENTEC**

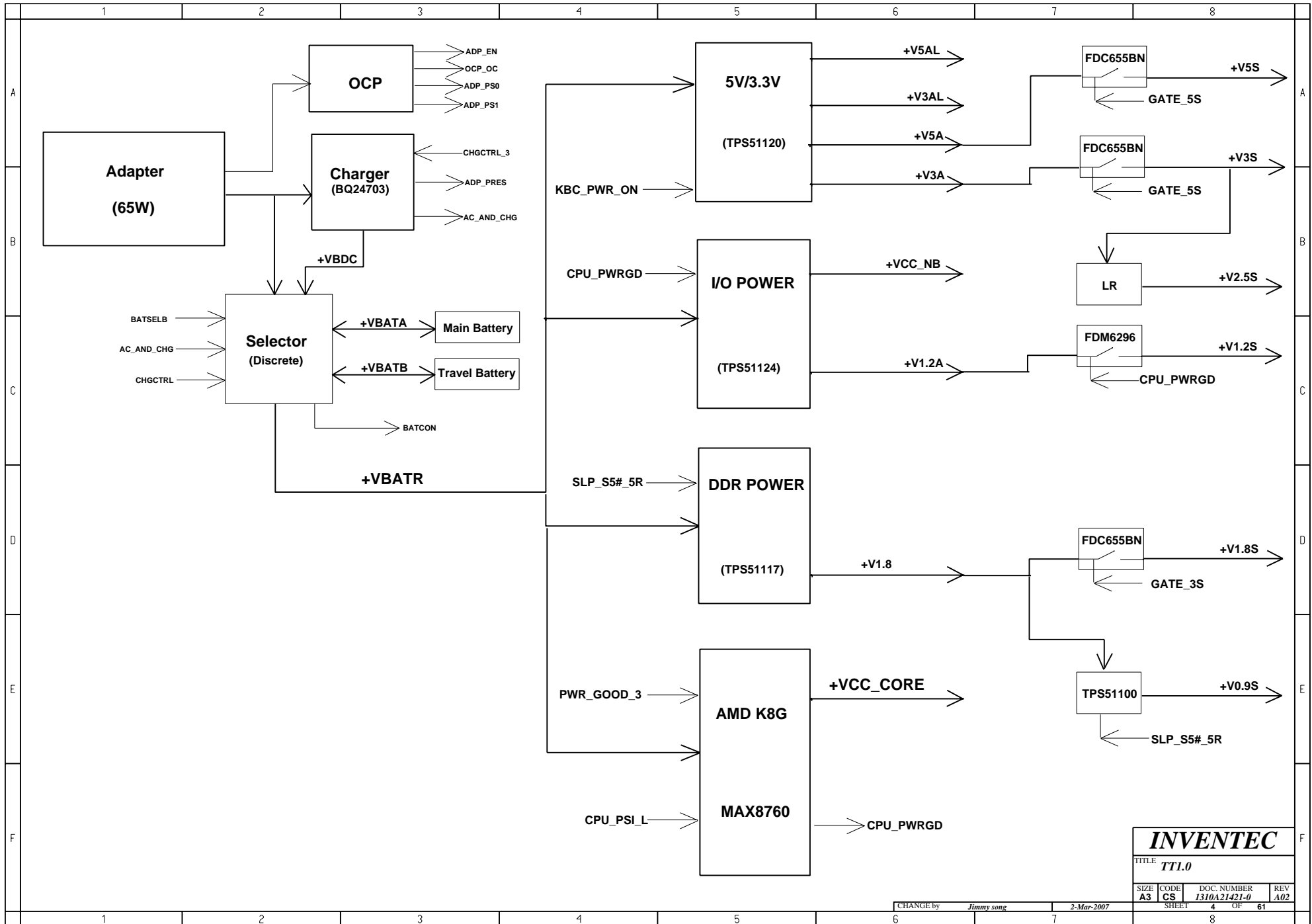
TITLE *TT1.0*

SIZE <b>A3</b>	CODE <b>CS</b>	DOC. NUMBER <i>1310A21421-0</i>	REV <b>A02</b>
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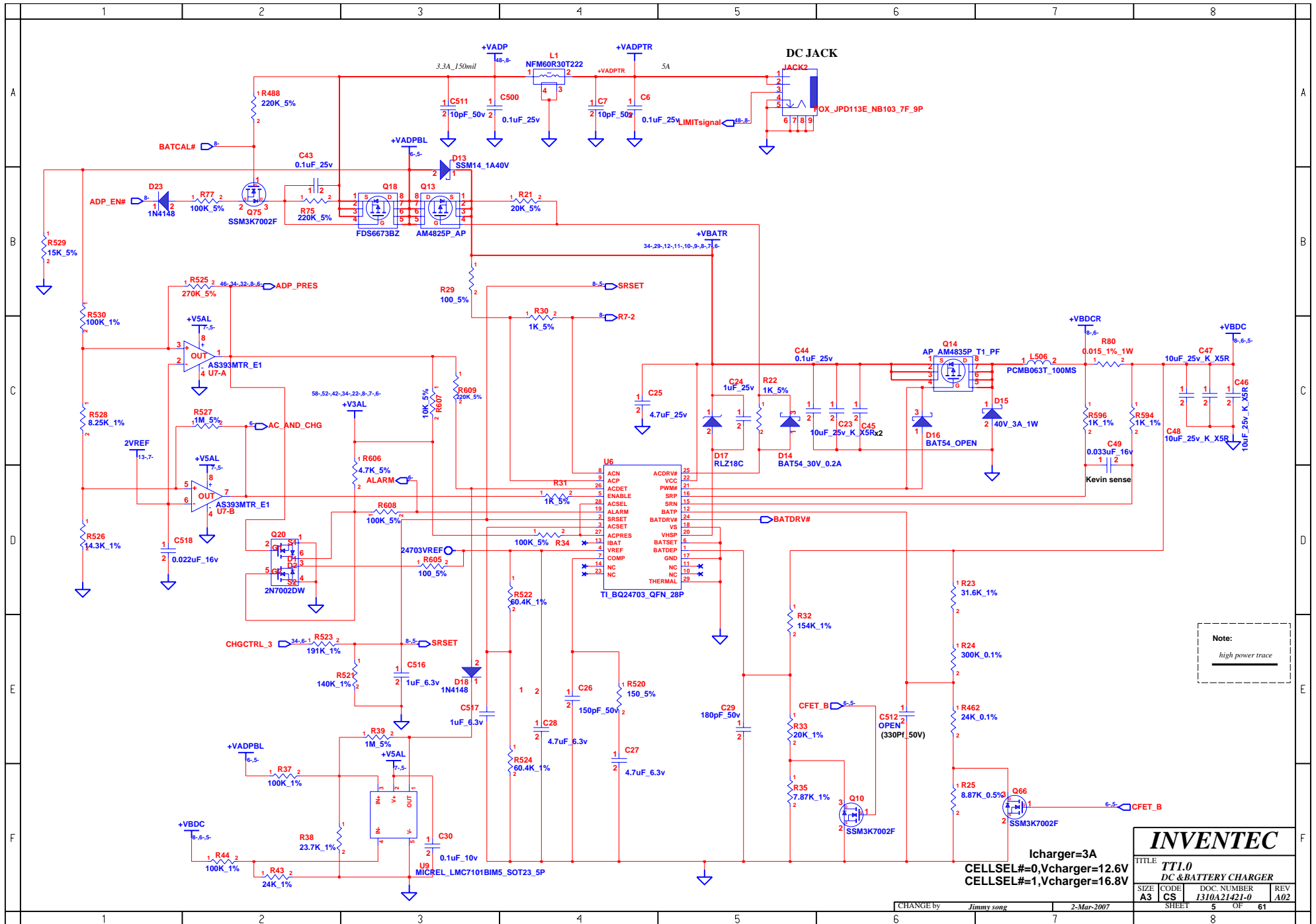
CHANGE by *Jimmy song* 2-Mar-2007 SHEET 2 OF 61

# Inventec Confidential





<b>INVENTEC</b>			
TITLE <i>TT1.0</i>			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A21421-0	A02
CHANGE by <i>Jimmy song</i>		2-Mar-2007	
SHEET 4		OF 61	

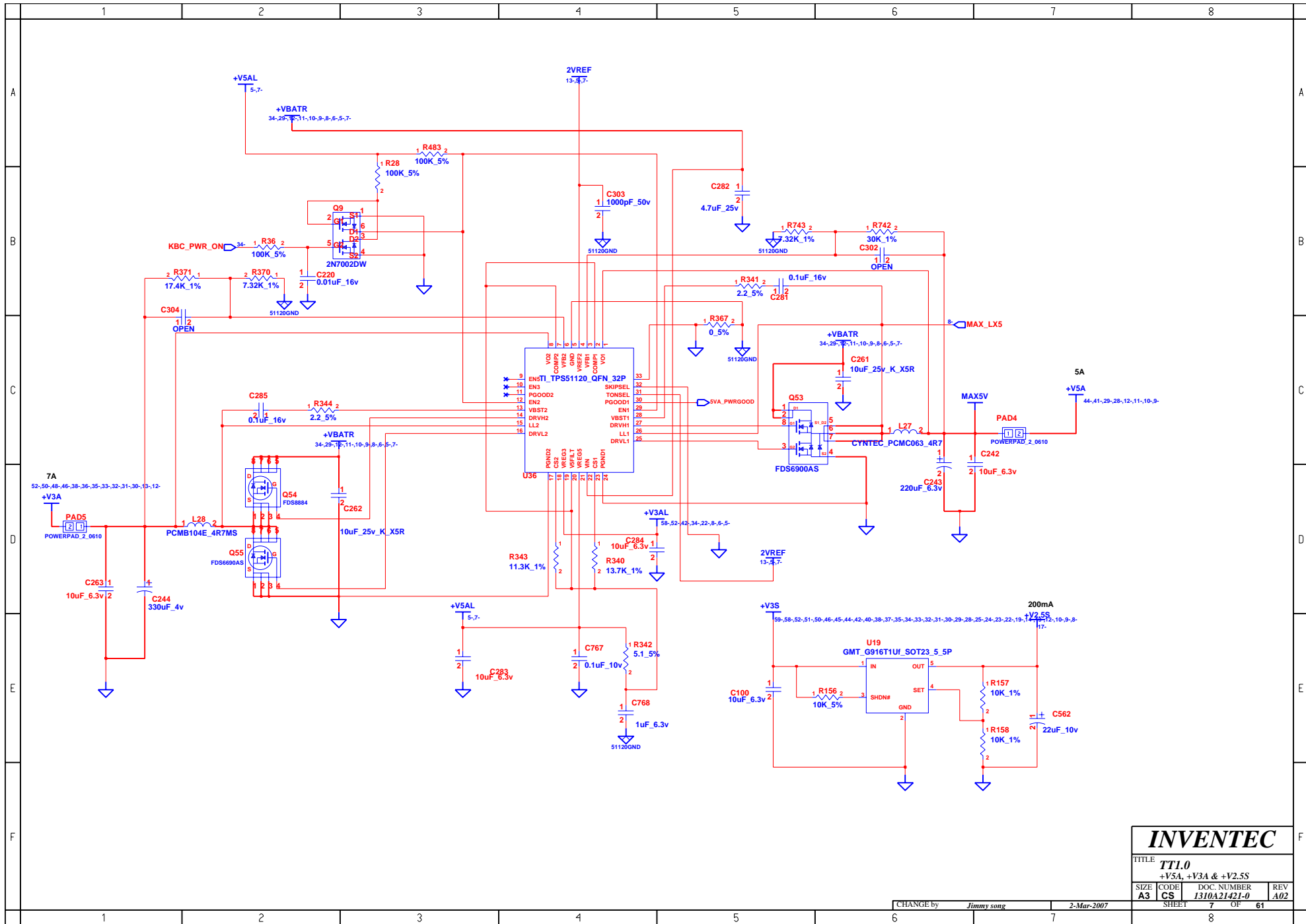


Note:  
high power trace

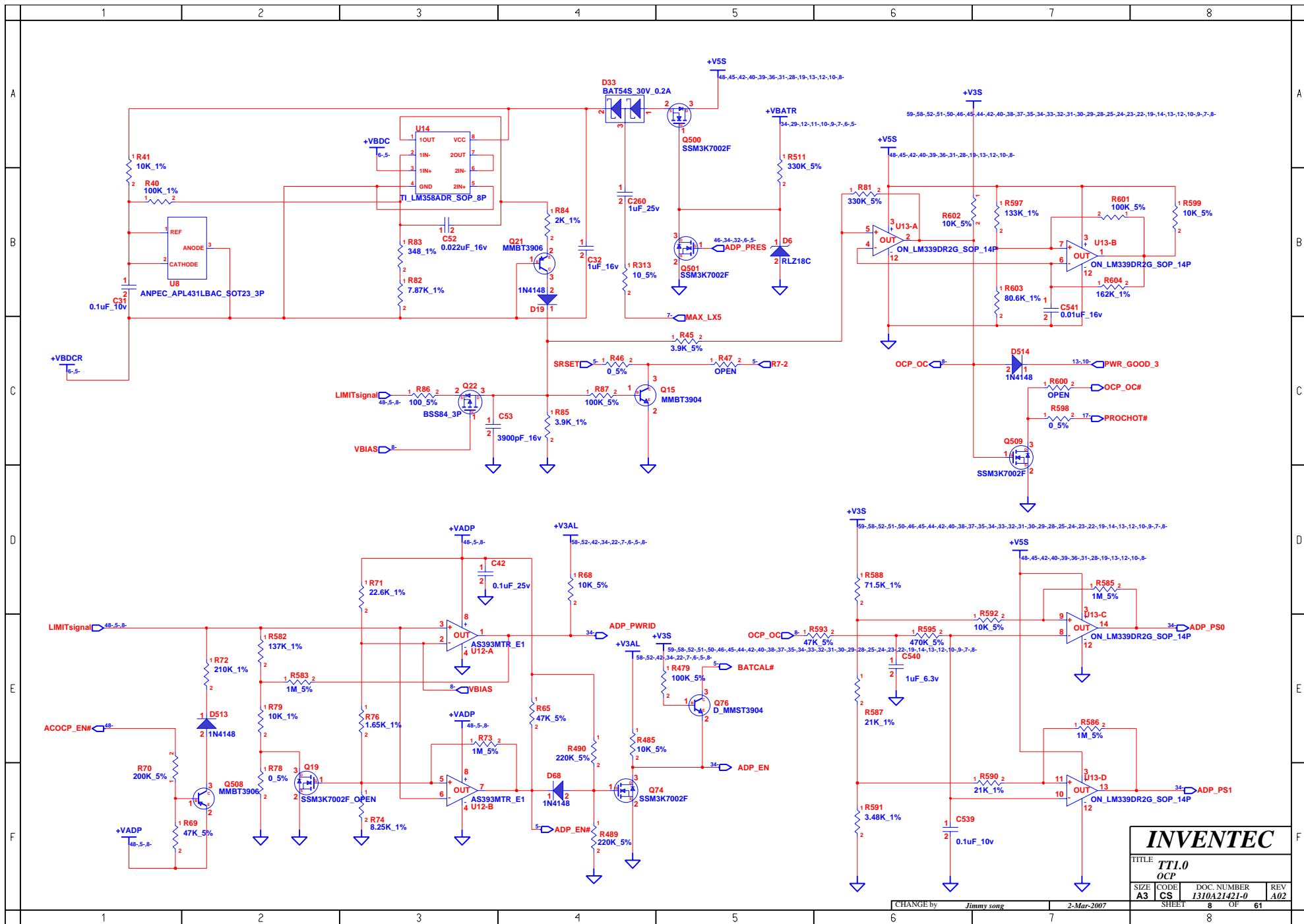
Icharger=3A  
CELLSEL#=0, Vcharger=12.6V  
CELLSEL#=1, Vcharger=16.8V

<b>INVENTEC</b>			
TITLE TT1.0			
DC & BATTERY CHARGER			
SIZE A3	CODE CS	DOC. NUMBER 1310A21421-0	REV A02
CHANGE by Jimmy song		2-Mar-2007	
SHEET 5		OF 61	

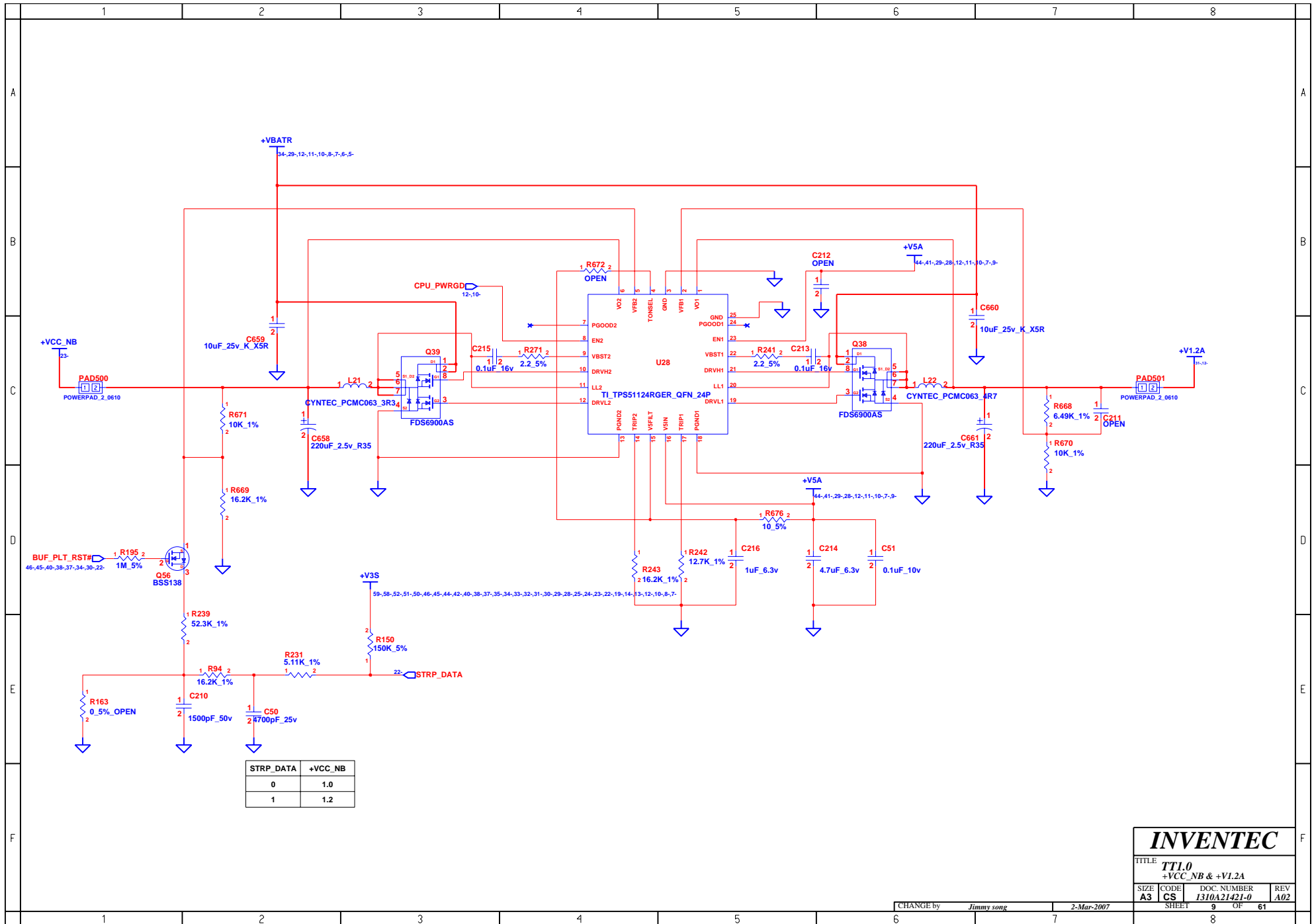




<b>INVENTEC</b>			
TITLE <b>TT1.0</b>			
+V5A, +V3A & +V2.5S			
SIZE <b>A3</b>	CODE <b>CS</b>	DOC. NUMBER <b>I310A21421-0</b>	REV <b>A02</b>



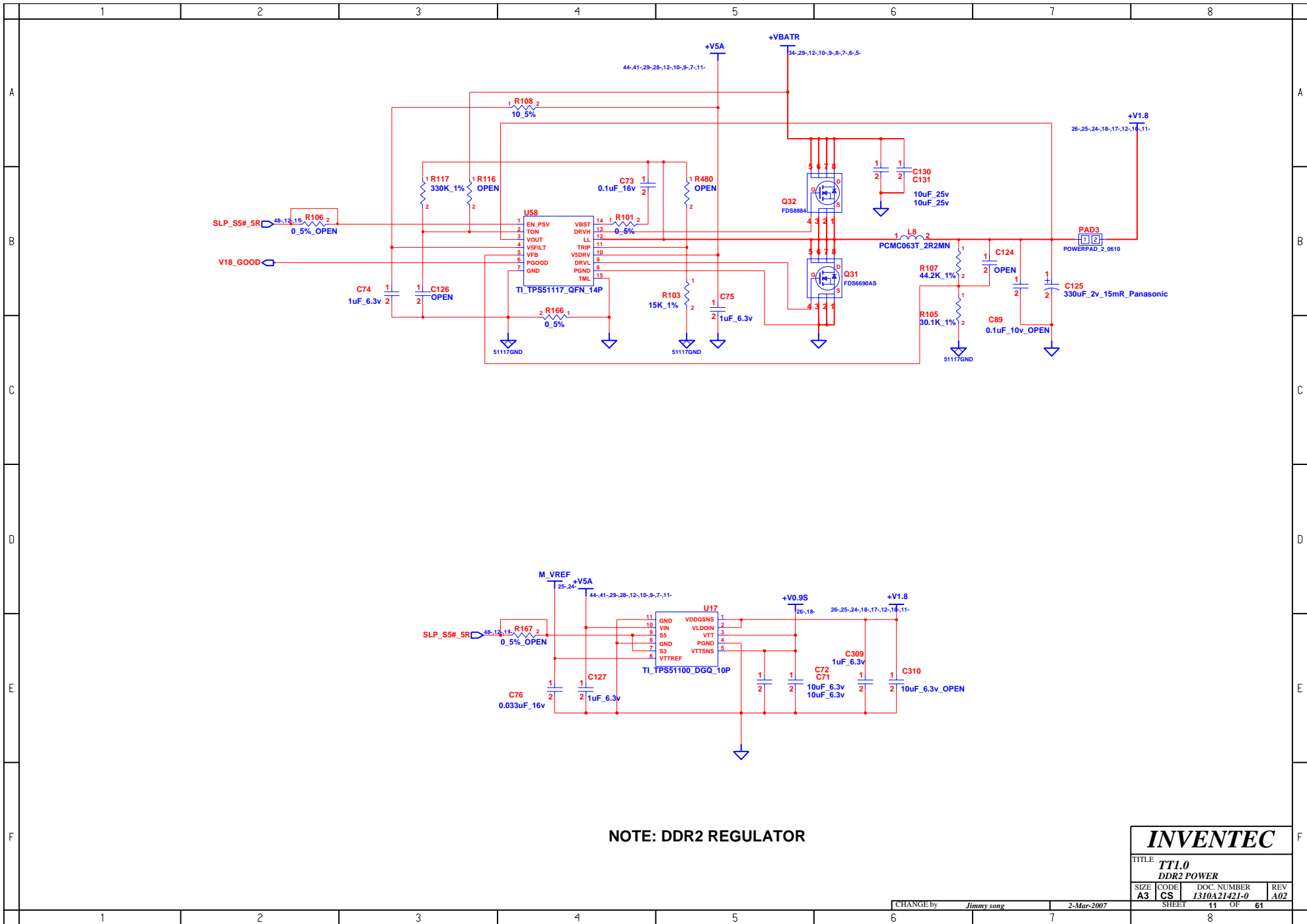
<b>INVENTEC</b>			
TITLE TTI.0			
OCP			
SIZE A3	CODE CS	DOC. NUMBER 1310A21421-0	REV A02
CHANGE by Jimmy song		2-Mar-2007	
SHEET 8		OF 61	



**INVENTEC**

TITLE <b>TTL0</b> <b>+VCC_NB &amp; +V1.2A</b>		
SIZE <b>A3</b>	CODE <b>CS</b>	DOC. NUMBER <b>1310A21421-0</b>
SHEET <b>9</b>		REV <b>A02</b>



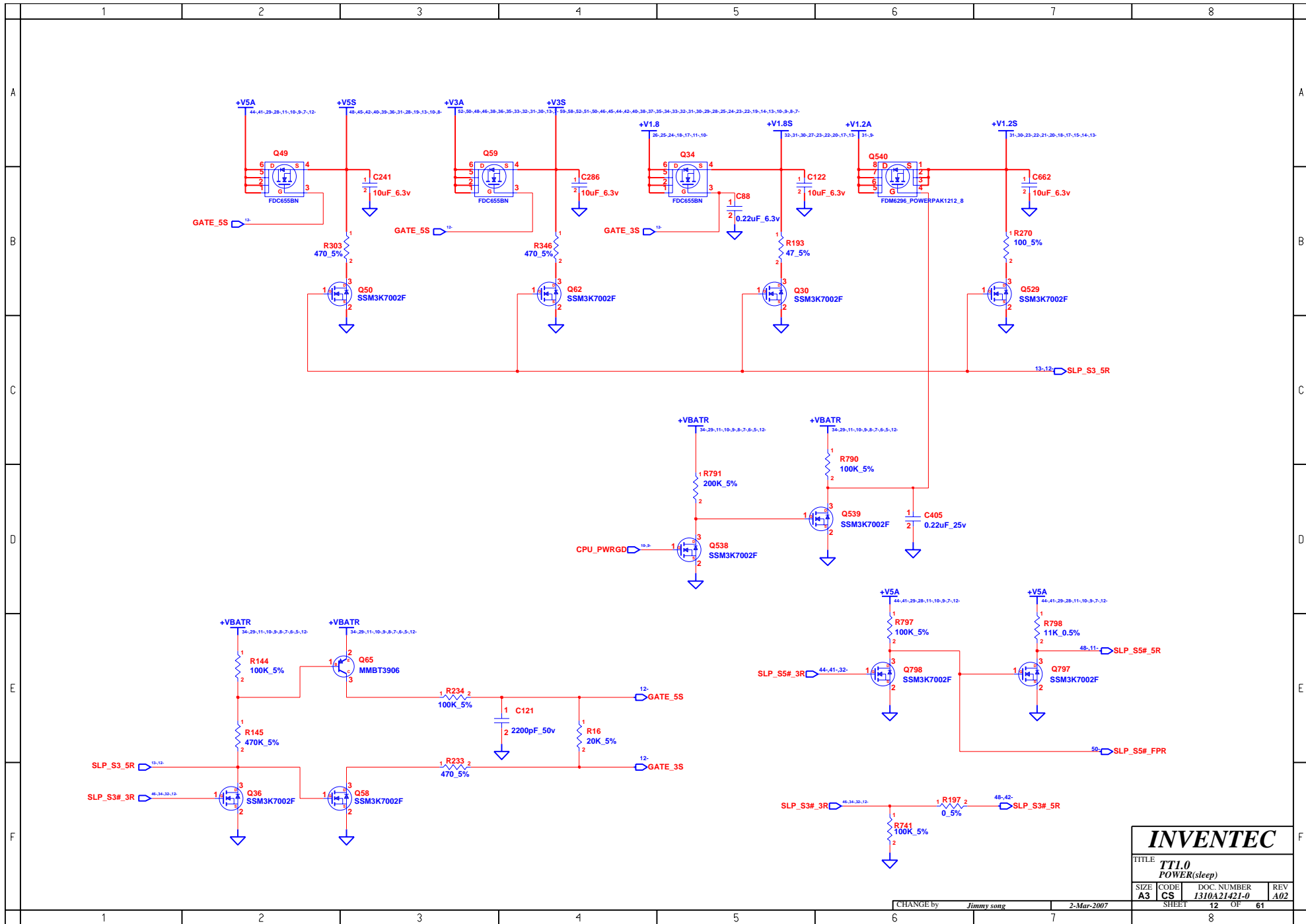


NOTE: DDR2 REGULATOR

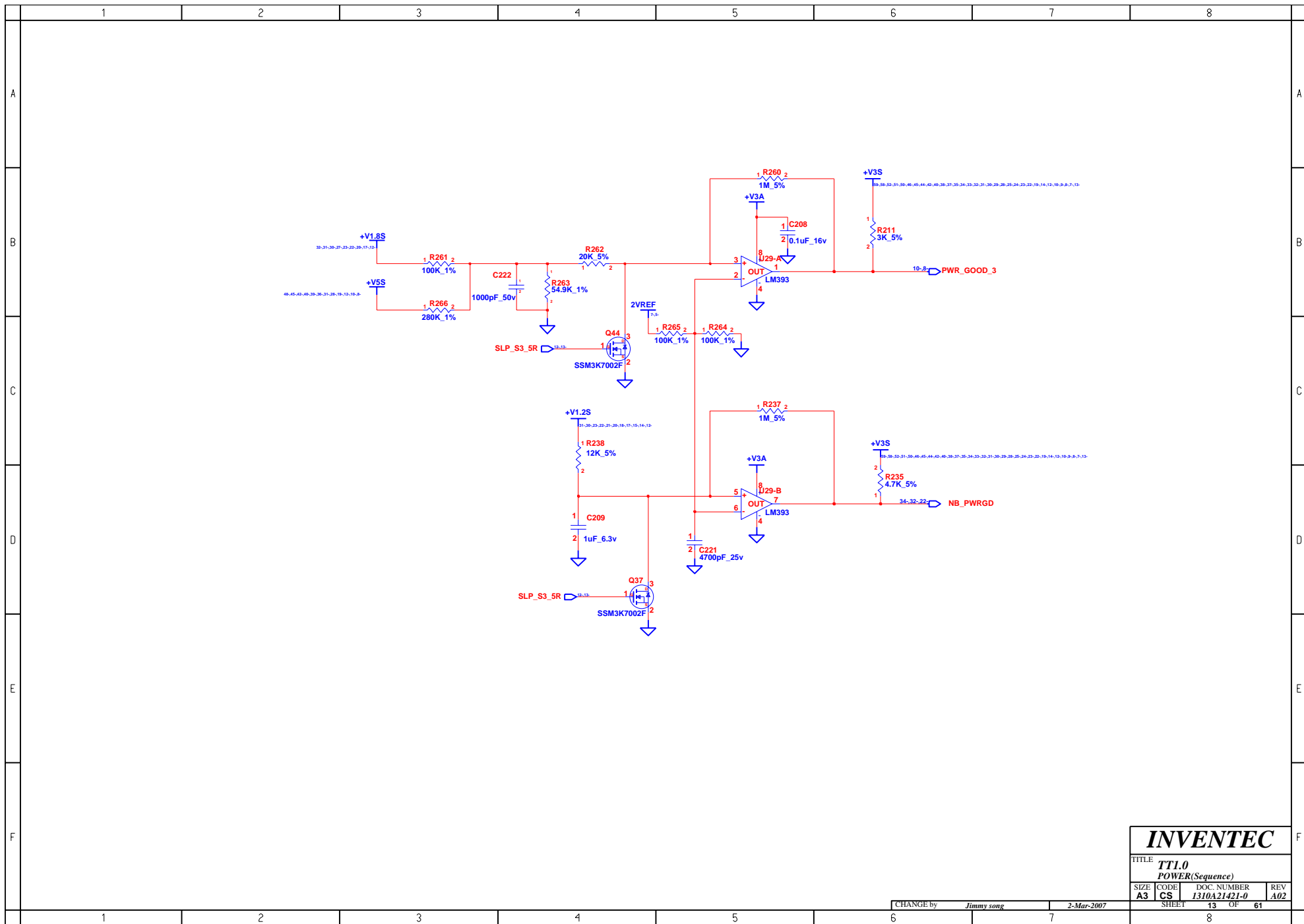
**INVENTEC**

TITLE			
T11.0			
DDR2 POWER			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310A21421-0	A02

CHANGE by	Jimmy song	2-Mar-2007	SHEET	11	OF	61
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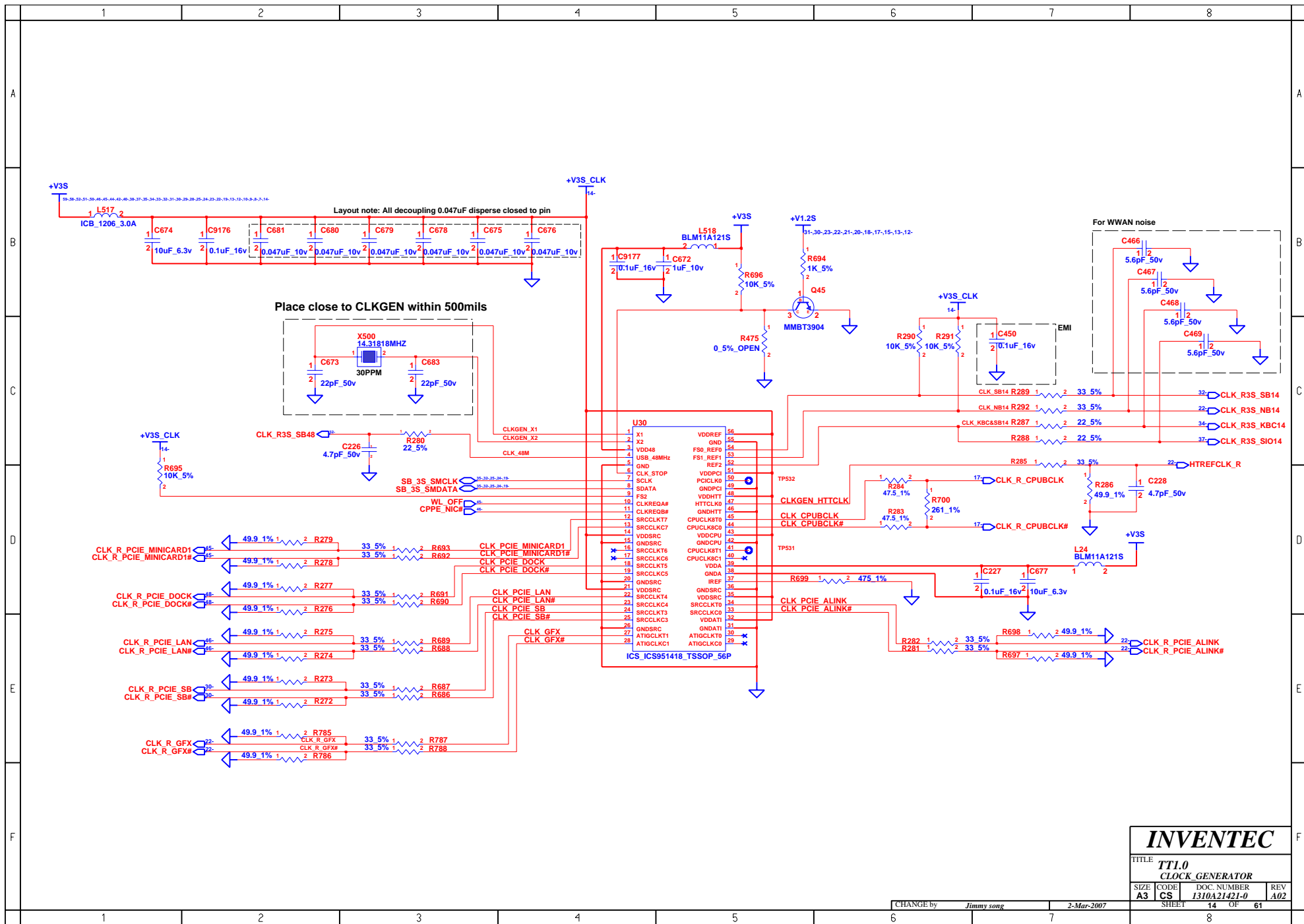
<b>INVENTEC</b>			
TITLE <i>TTL0</i> <i>POWER(sleep)</i>			
SIZE <b>A3</b>	CODE <b>CS</b>	DOC. NUMBER <b>I310A21421-0</b>	REV <b>A02</b>
CHANGE by <i>Jimmy song</i>		2-Mar-2007	
SHEET <b>12</b>		OF <b>61</b>	



**INVENTEC**

TITLE			
TT1.0			
POWER(Sequence)			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A21421-0	A02

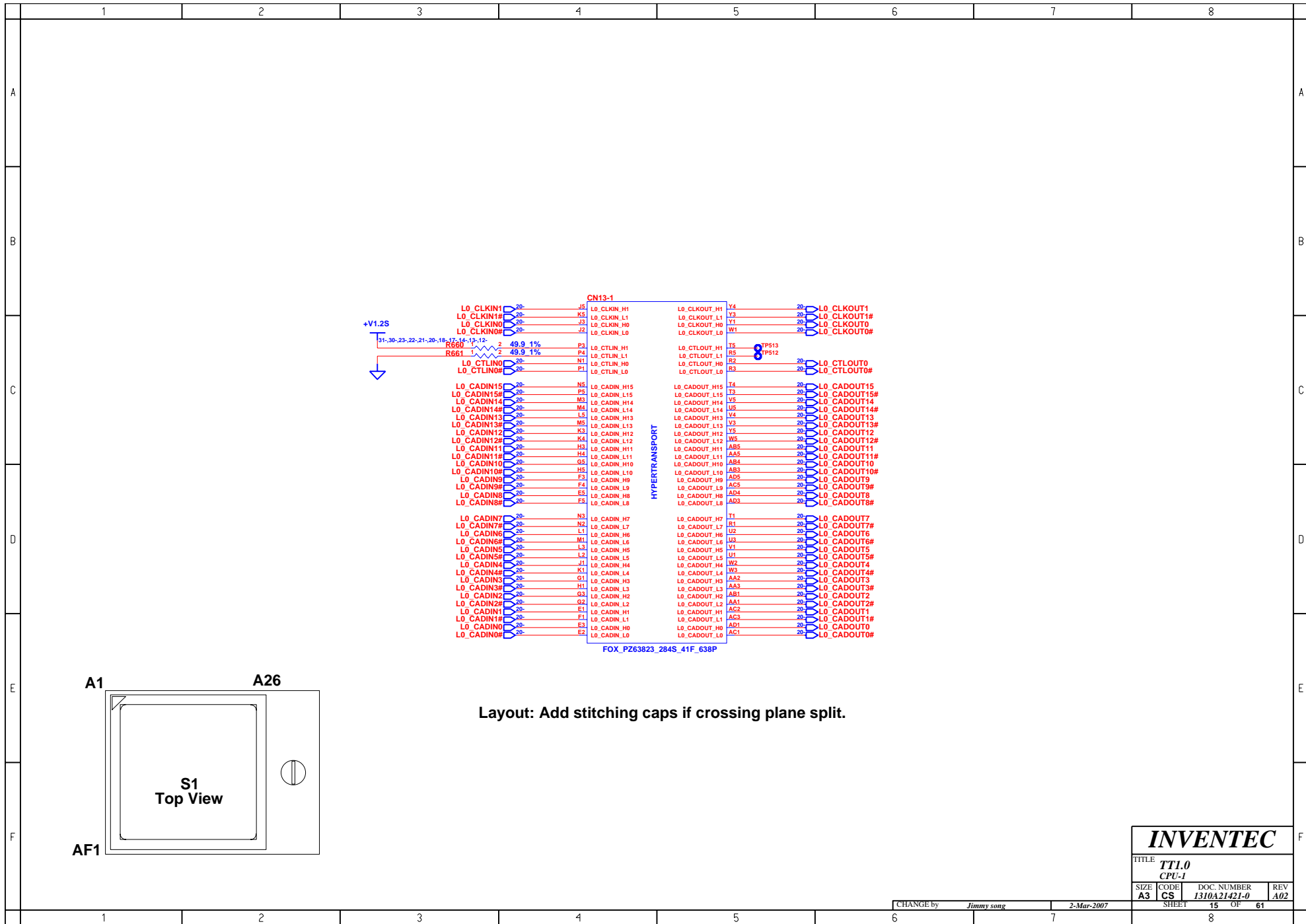
CHANGE by	Jimmy song	2-Mar-2007	SHEET	13	OF	61
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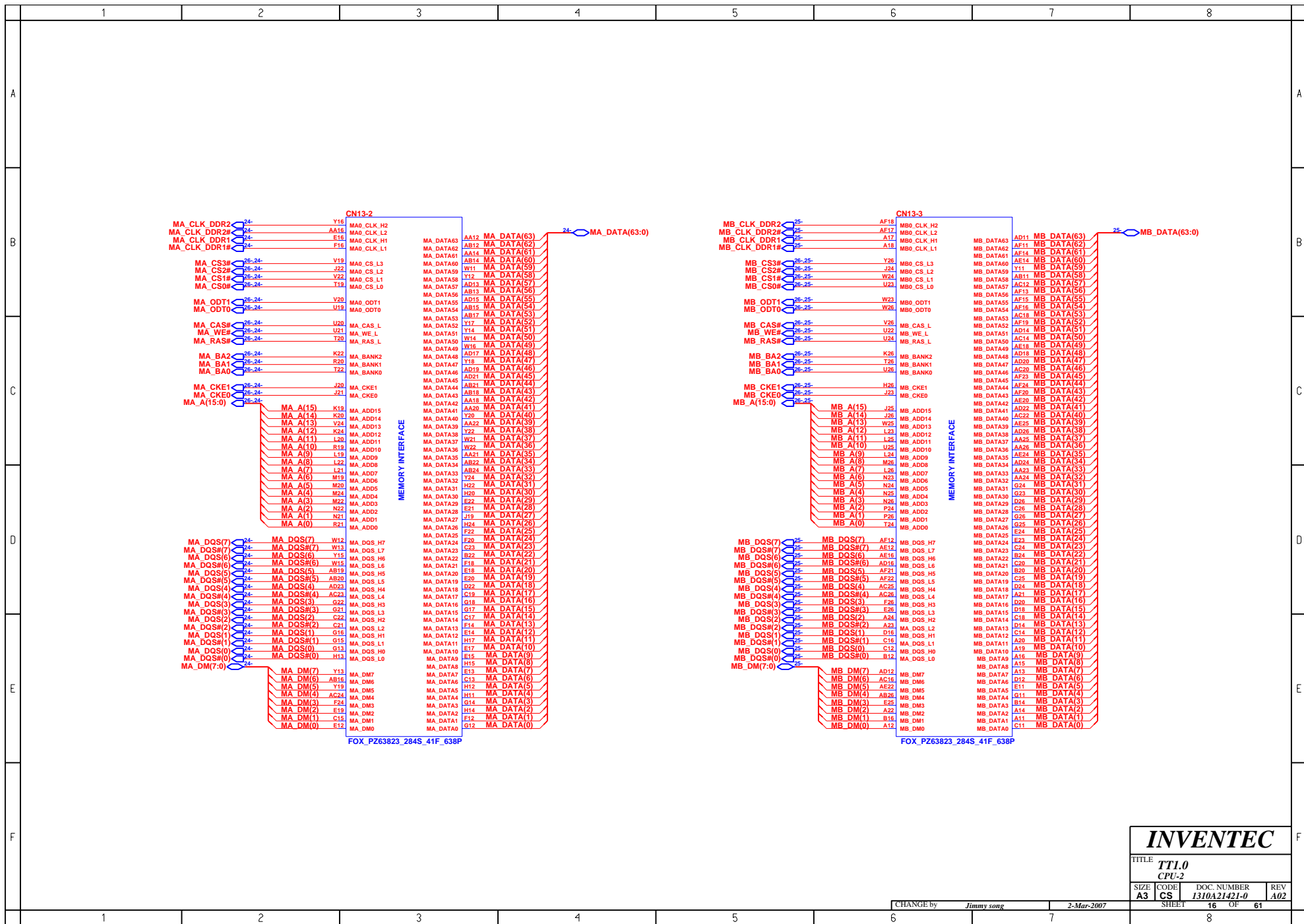
# INVENTEC

TITLE			
TT1.0			
CLOCK_GENERATOR			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310A21421-0	A02
CHANGE by		SHEET	
Jimmy song		14 OF 61	

2-Mar-2007



<b>INVENTEC</b>			
TITLE <i>TTL0</i> <i>CPU-1</i>			
SIZE <b>A3</b>	CODE <b>CS</b>	DOC. NUMBER <i>1310A21421-0</i>	REV <b>A02</b>
CHANGE by <i>Jimmy song</i>		2-Mar-2007	
SHEET		15	OF 61



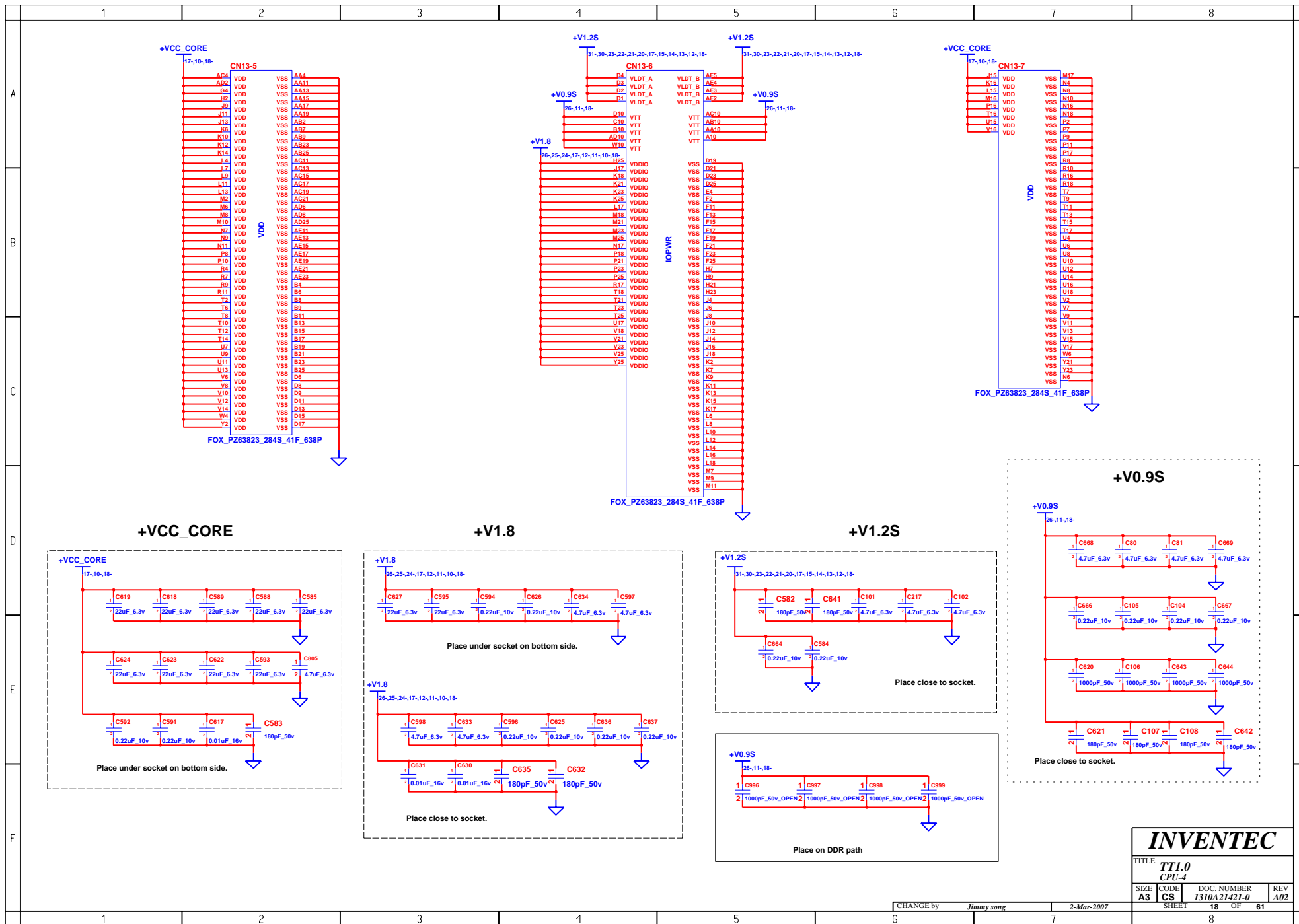
**INVENTEC**

TITLE  
TTI.0  
CPU-2

SIZE A3	CODE CS	DOC. NUMBER 1310A21421-0	REV A02
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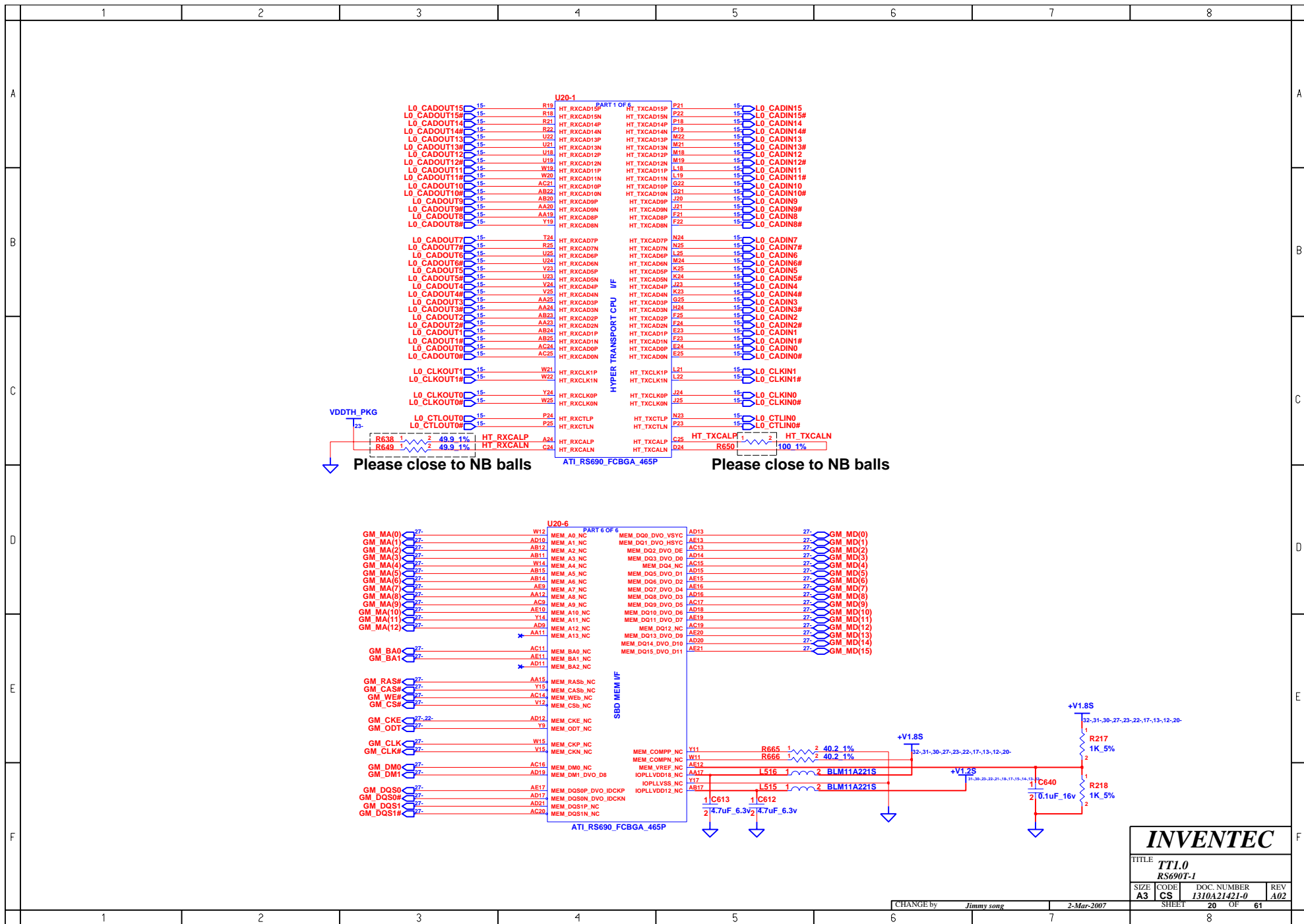
CHANGE by Jimmy song 2-Mar-2007 SHEET 16 OF 61

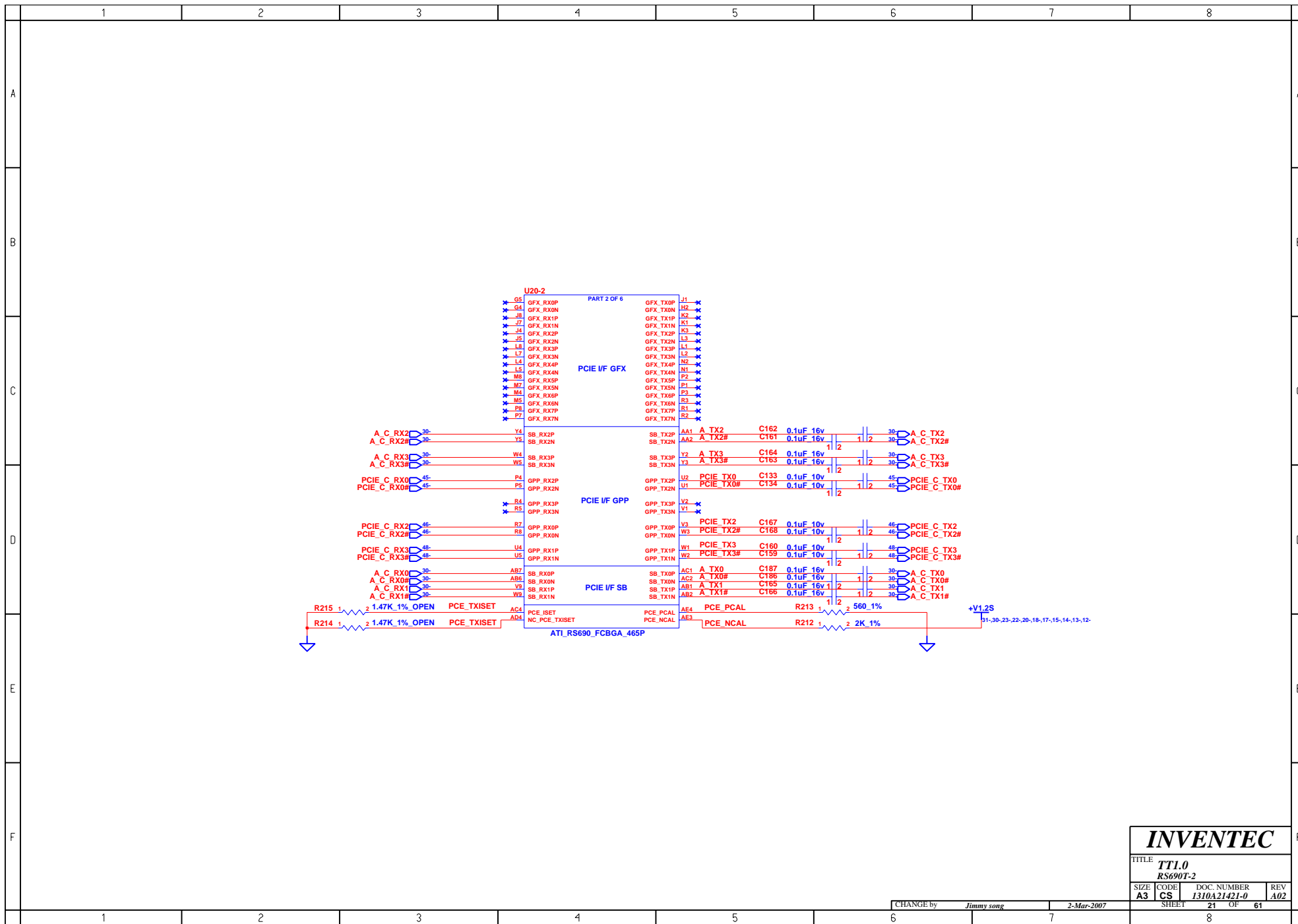




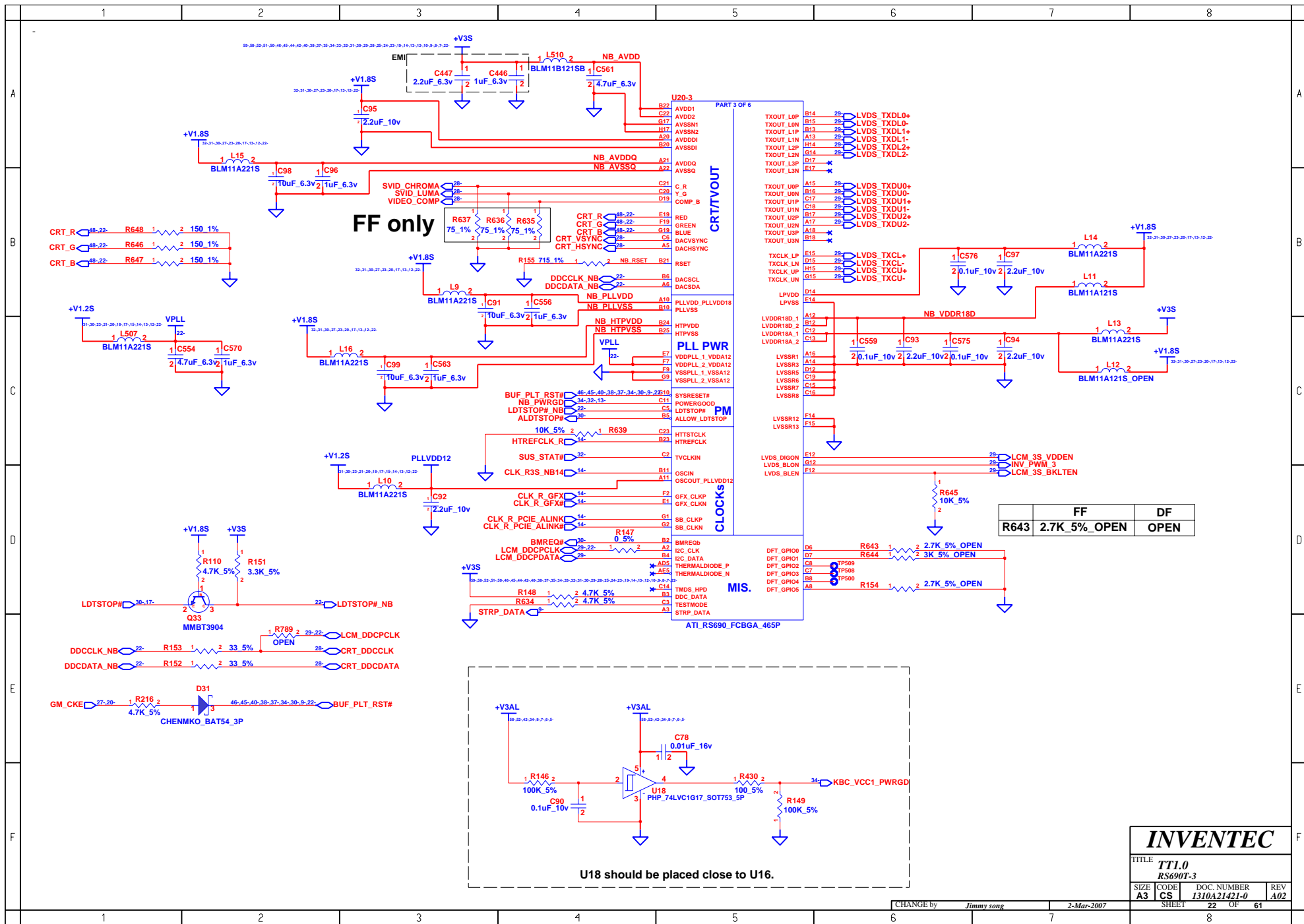
<b>INVENTEC</b>			
TITLE <b>TTL0</b> <b>CPU-4</b>			
SIZE <b>A3</b>	CODE <b>CS</b>	DOC. NUMBER <b>1310A21421-0</b>	REV <b>A02</b>
CHANGE by <i>Jimmy song</i>		2-Mar-2007	
SHEET <b>18</b>		OF <b>61</b>	



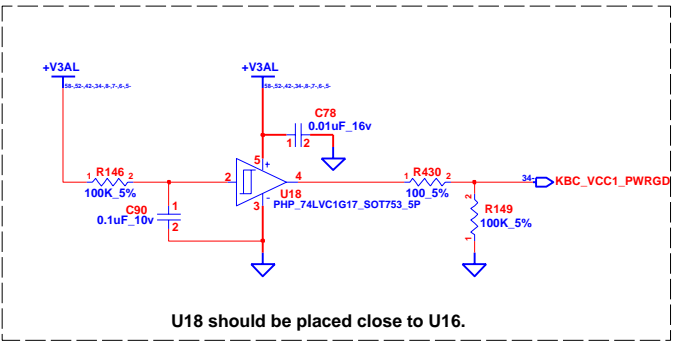




<b>INVENTEC</b>			
TITLE <b>TTL0</b> <b>RS690T-2</b>			
SIZE <b>A3</b>	CODE <b>CS</b>	DOC. NUMBER <b>1310A21421-0</b>	REV <b>A02</b>
CHANGE by <i>Jimmy song</i>		2-Mar-2007	
SHEET 21		OF 61	



	FF	DF
R643	2.7K 5% OPEN	OPEN



U18 should be placed close to U16.

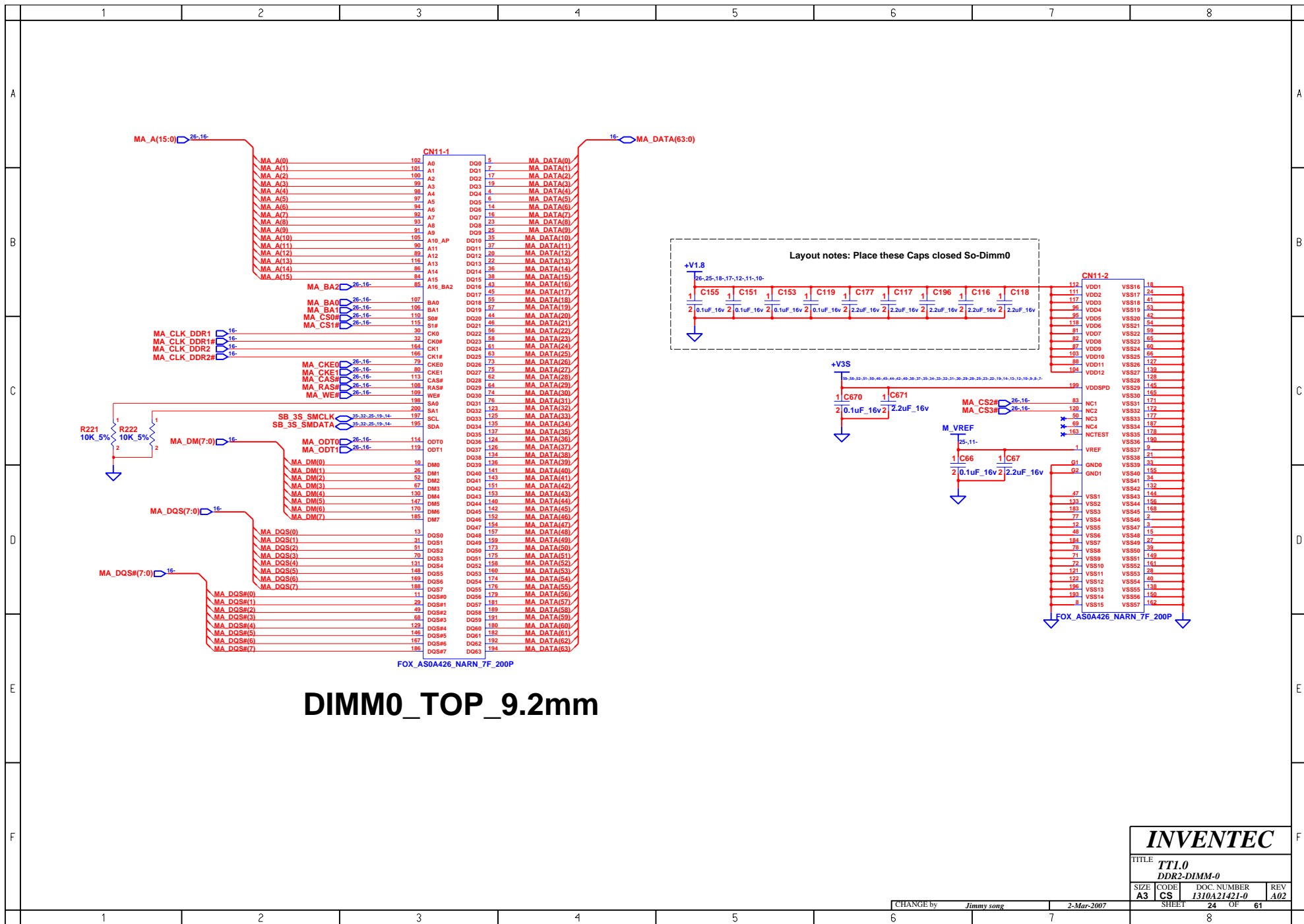
**INVENTEC**

TITLE  
TT1.0  
RS690T-3

SIZE A3	CODE CS	DOC. NUMBER I310A21421-0	REV A02
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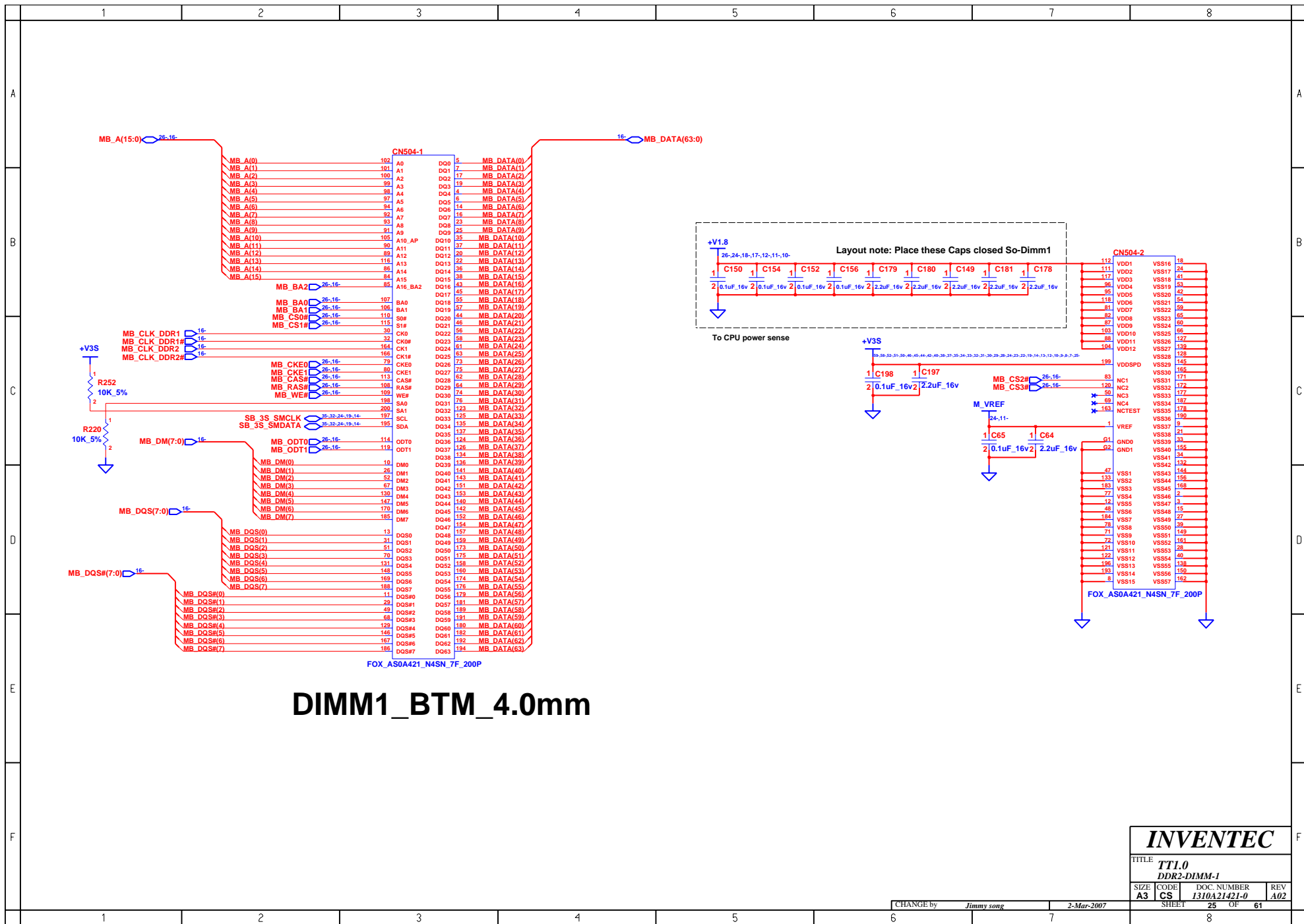
SHEET 22 OF 61



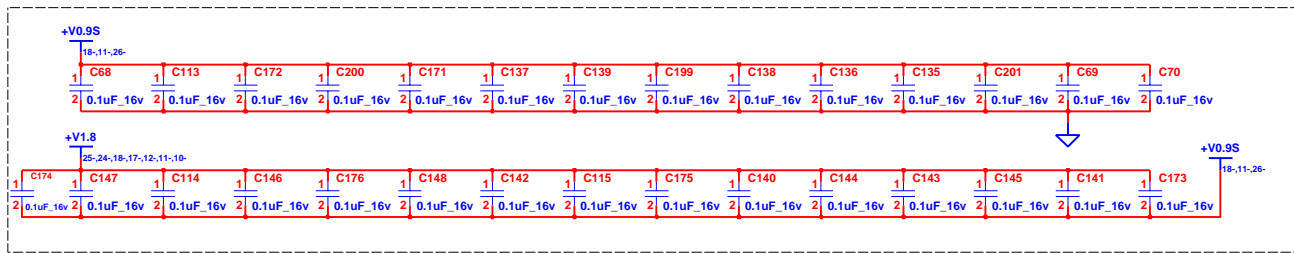


**INVENTEC**

TITLE TTI.0			
DDR2-DIMM-0			
SIZE A3	CODE CS	DOC. NUMBER 1310A21421-0	REV A02
CHANGE by Jimmy song		2-Mar-2007	SHEET 24 OF 61

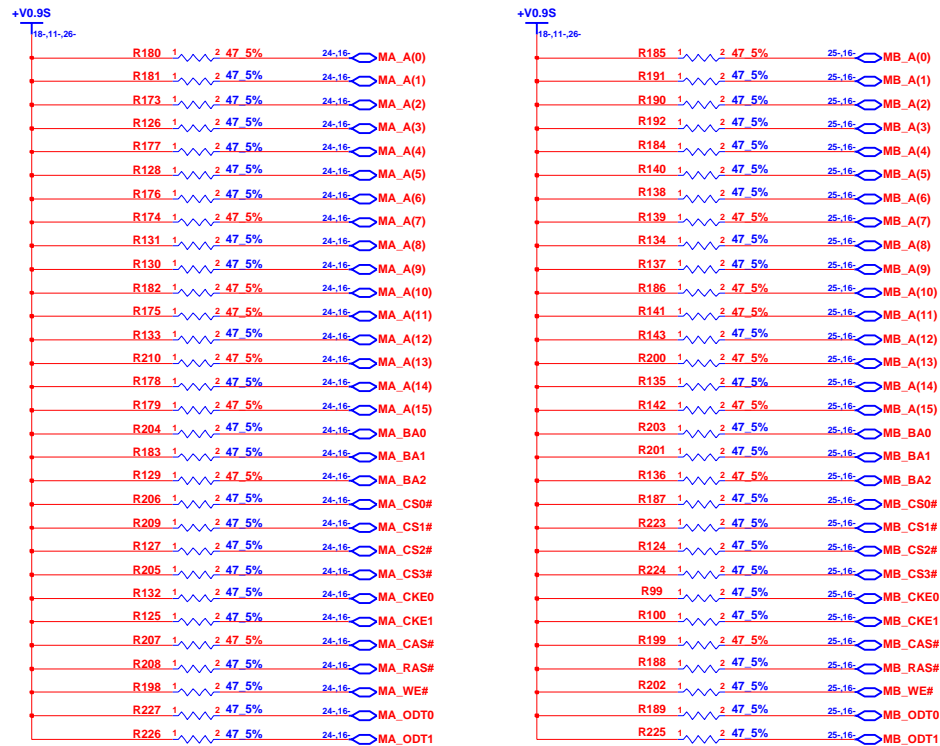


<b>INVENTEC</b>			
TITLE TTI.0			
DDR2-DIMM-1			
SIZE A3	CODE CS	DOC. NUMBER 1310A21421-0	REV A02
CHANGE by Jimmy song		2-Mar-2007	
SHEET 25		OF 61	



To CPU power sense

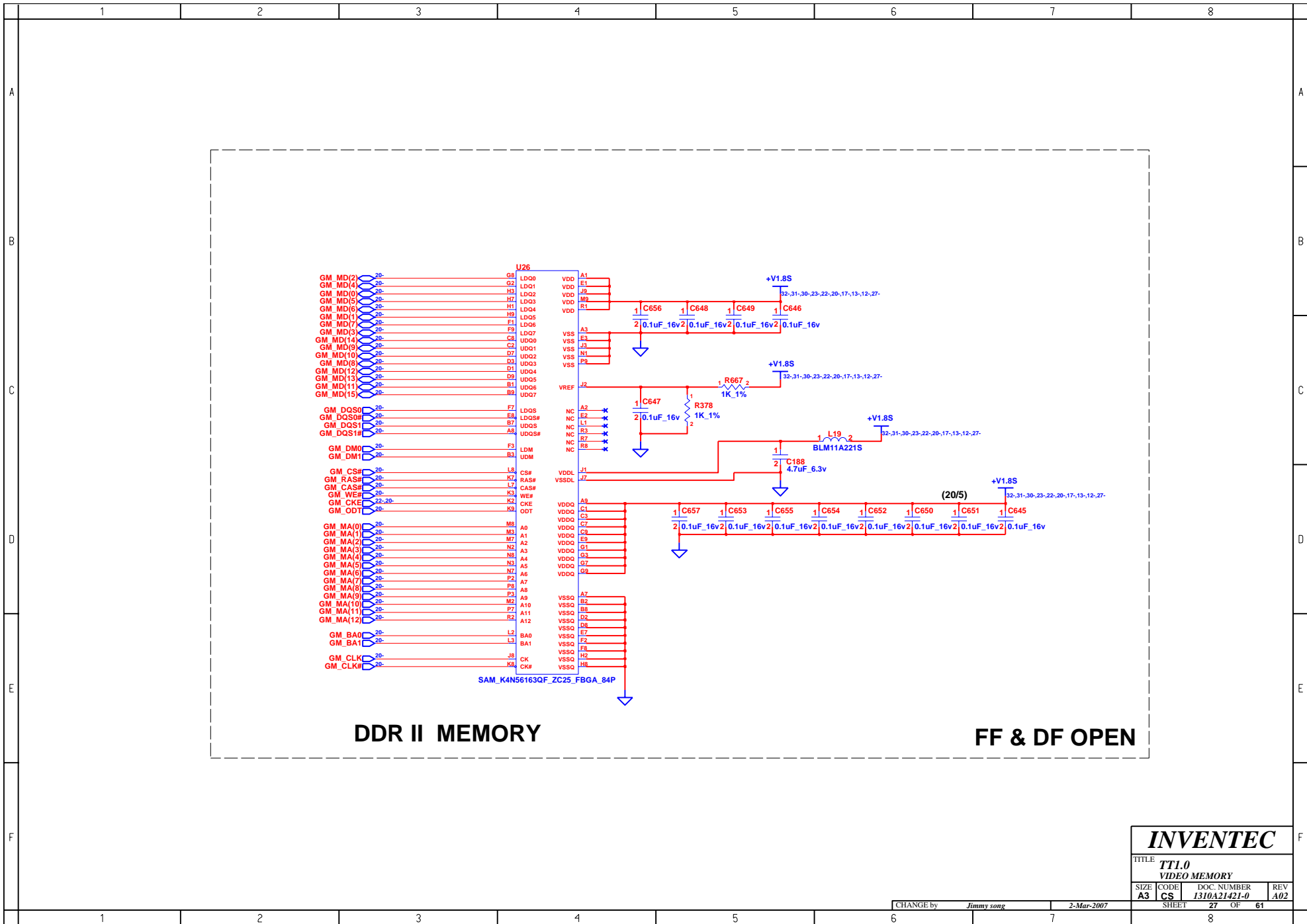
### Place CAPs close to DIMM



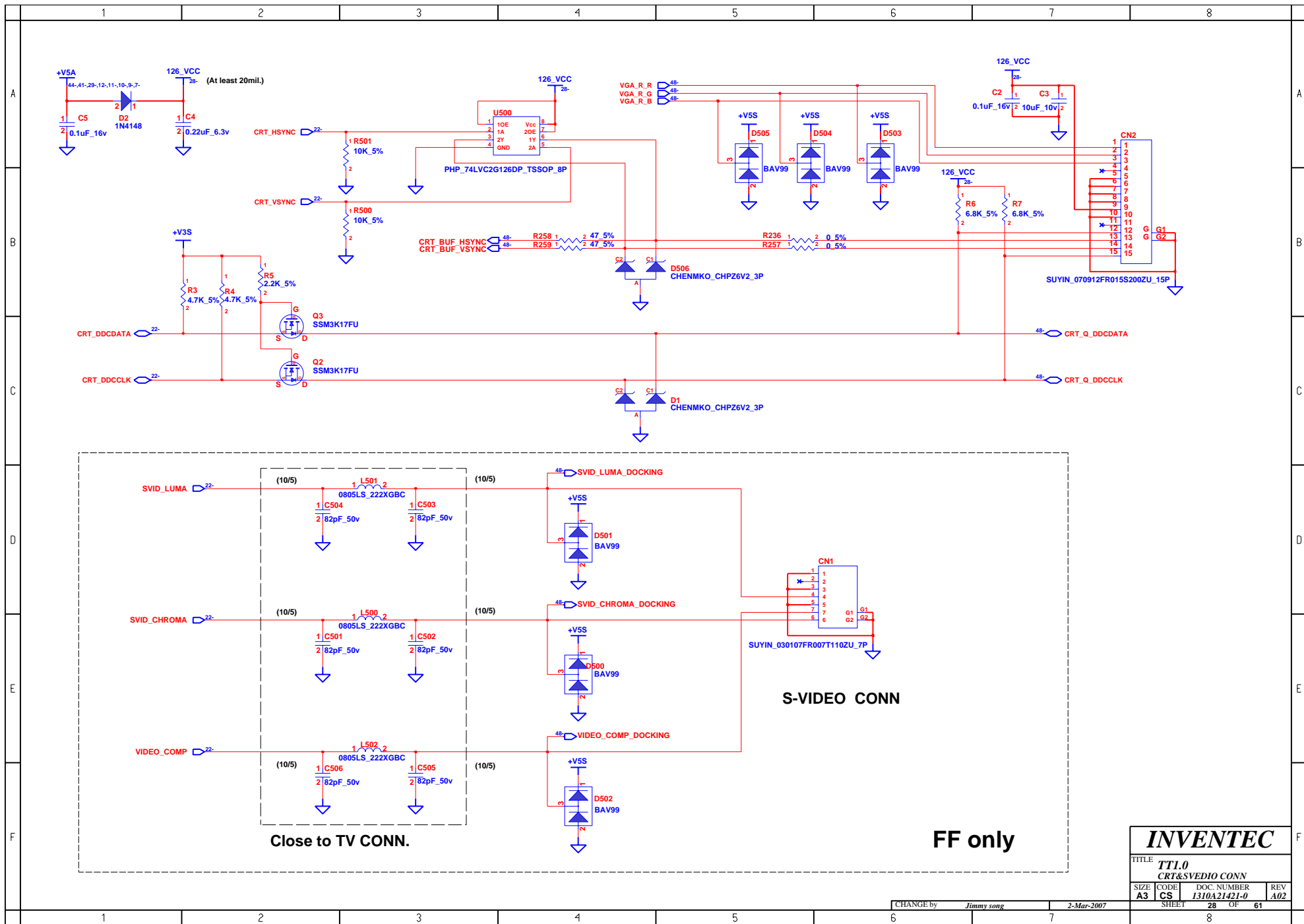
## INVENTEC

TITLE			
TTL0			
DDR2-DAMPING			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310A21421-0	A02
CHANGE by		SHEET	OF
Jimmy song		26	61

2-Mar-2007

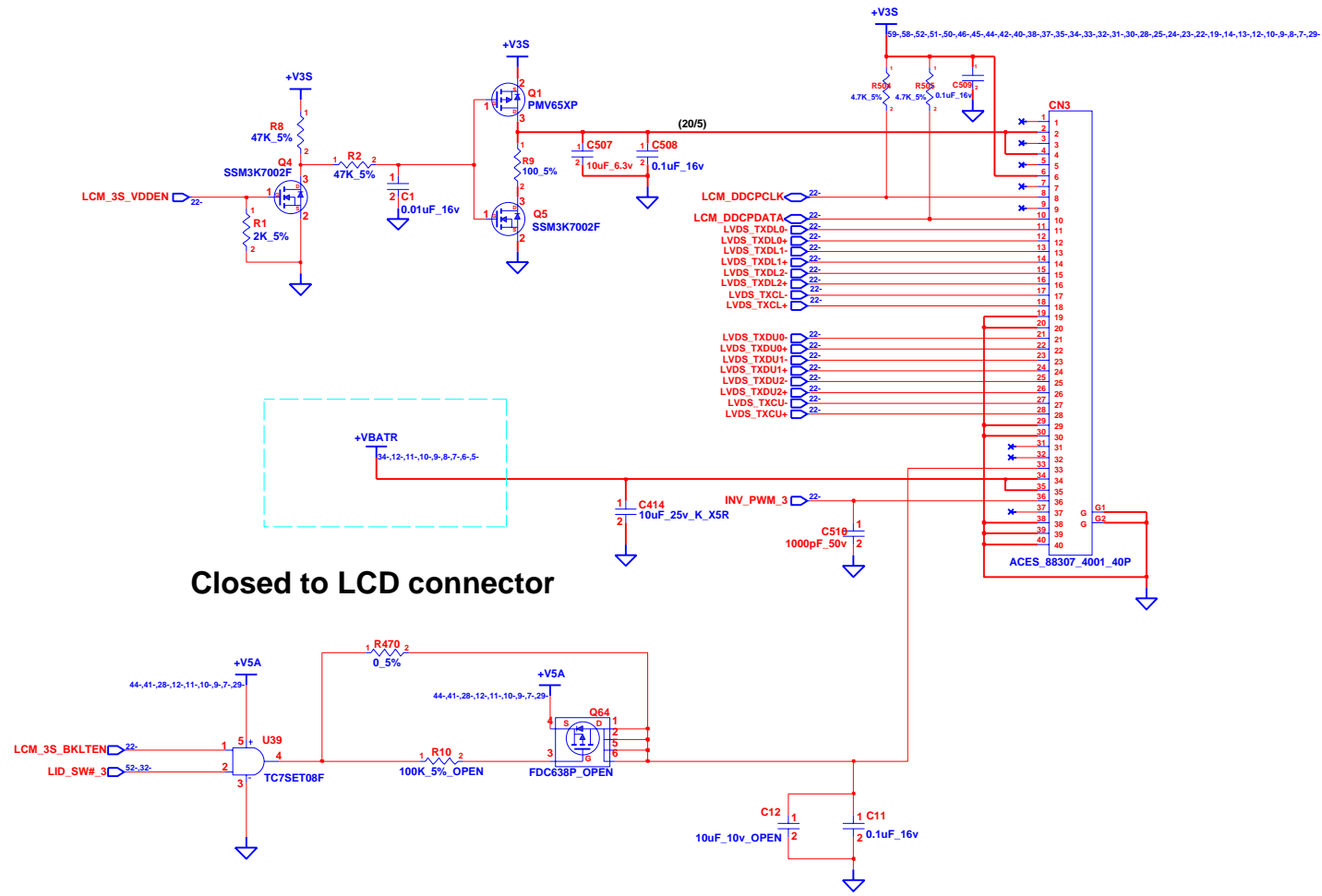


<b>INVENTEC</b>			
TITLE <b>TT1.0</b>			
VIDEO MEMORY			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310A21421-0	A02
CHANGE by		2-Mar-2007	
SHEET		27 OF 61	



**INVENTEC**

TITLE			
TT1.0			
CRT&SVEDIO CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A21421-0	A02

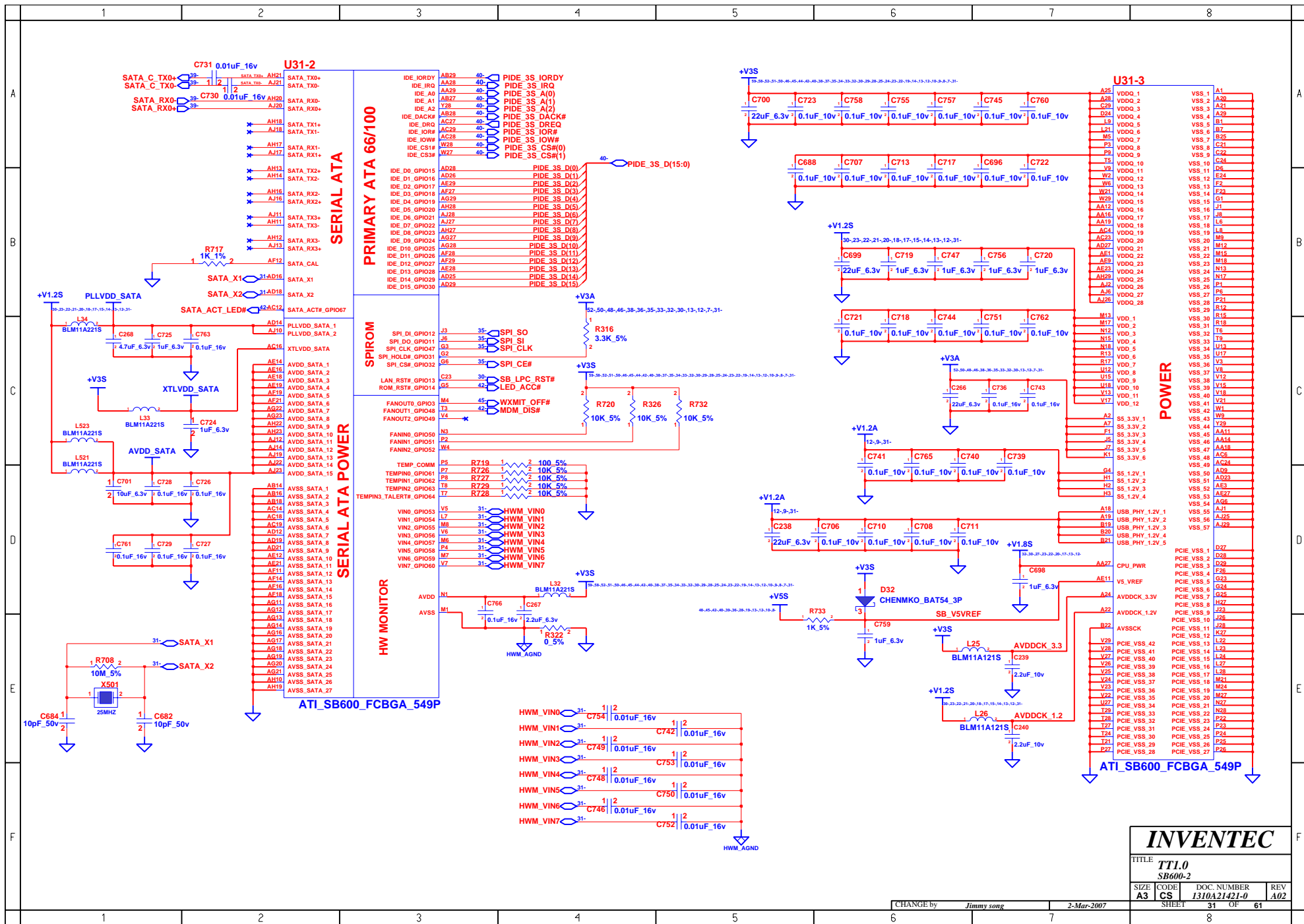


Closed to LCD connector

**INVENTEC**

TITLE			
TTL0			
LCD CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A21421-0	A02





**INVENTEC**

TITLE  
**TT1.0  
SB600-2**

SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310A21421-0	A02

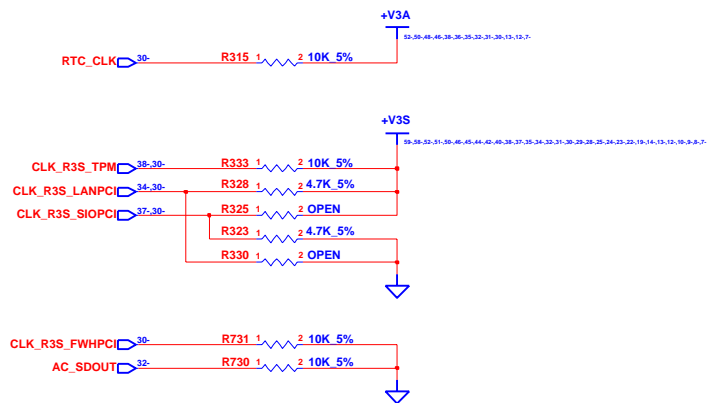
CHANGE by Jimmy song 2-Mar-2007

SHEET 31 OF 61



**Required Straps:**

	AC_SDOUT	RTC_CLK	CLK_R3S_FWHPCI	PCI_CLK6	PCI_CLK0 PCI_CLK1
<b>PULL HIGH</b>	USE DEBUG STRAPS	INTERNAL RTC	USE INT. PLL48	CPU K8	HH: PCI ROM HL: SPI ROM
<b>PULL LOW</b>	IGNORE DEBUG STRAPS	EXTERNAL RTC	USE EXT. 48M CLK	CPU P4	LH: LPC ROM LL: FWH ROM



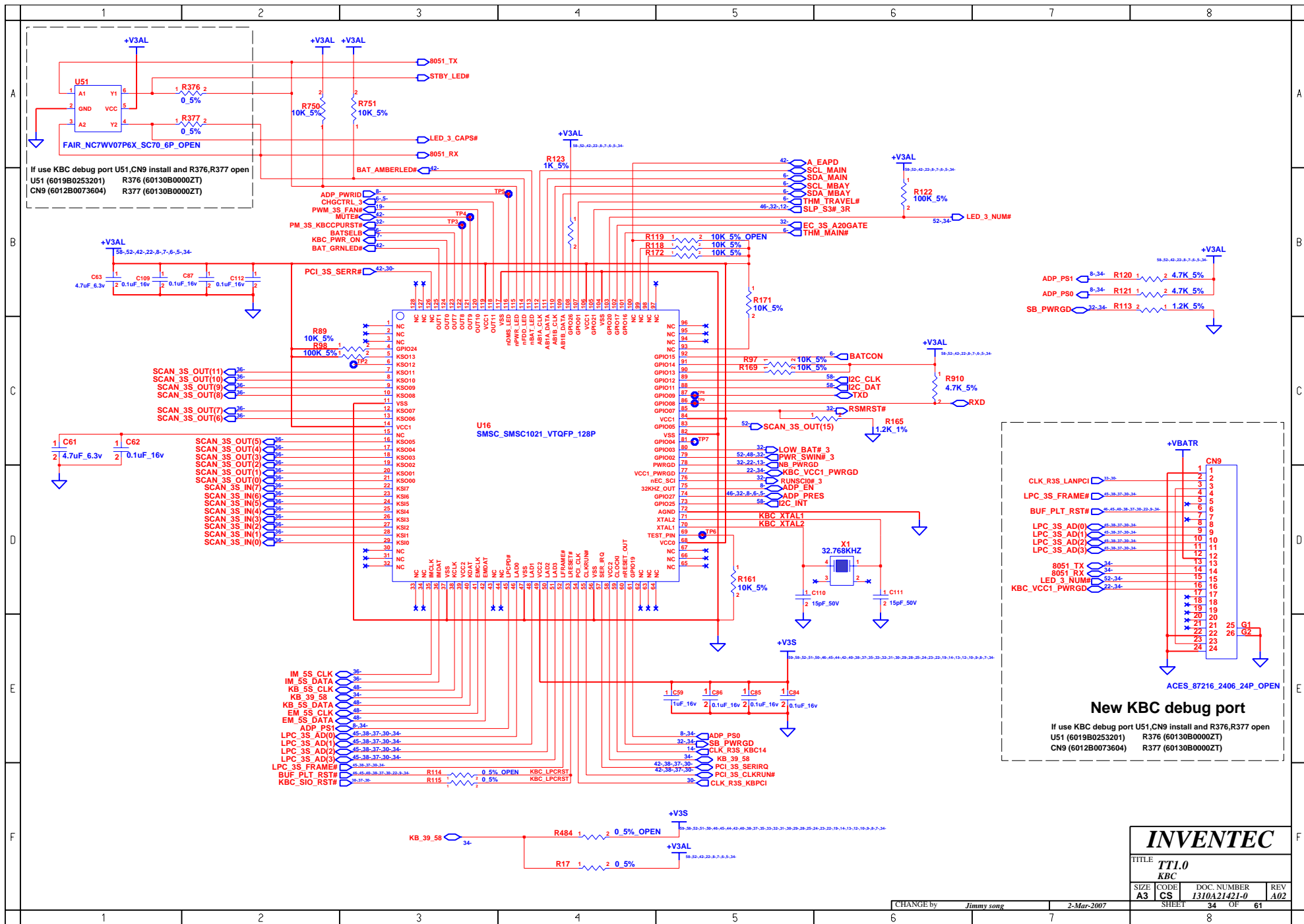
**INVENTEC**

TITLE *TT1.0*  
SB600-4

SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A21421-0	A02

CHANGE by *Jimmy song* 2-Mar-2007

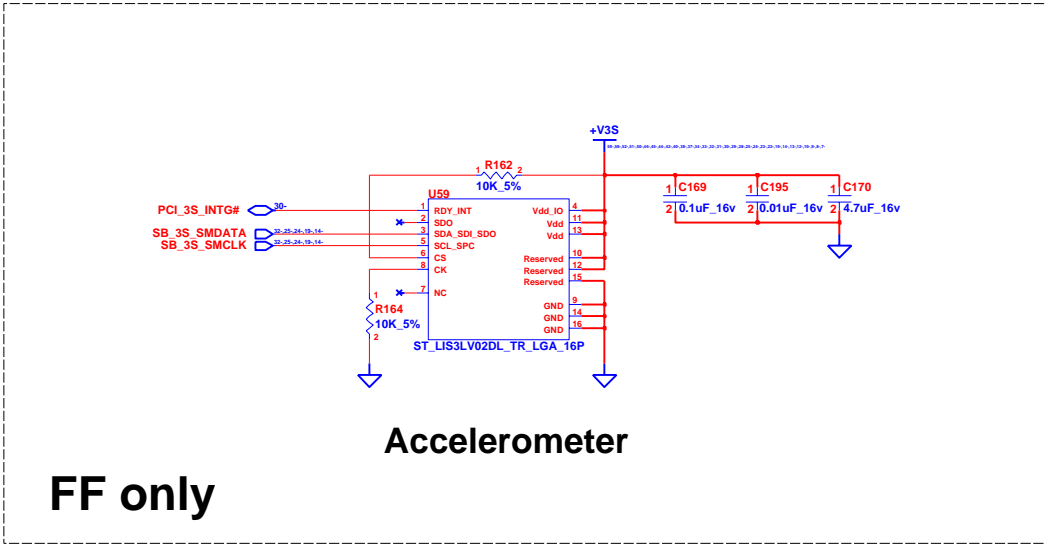
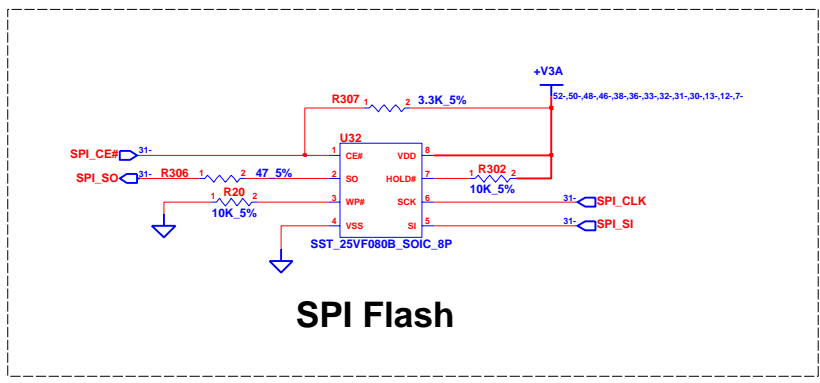
SHEET 33 OF 61



**New KBC debug port**

If use KBC debug port U51, C99 install and R376, R377 open  
 U51 (6019B0253201) R376 (60130B0000ZT)  
 C99 (6012B0073604) R377 (60130B0000ZT)

<b>INVENTEC</b>			
TITLE <b>TTI.0 KBC</b>			
SIZE <b>A3</b>	CODE <b>CS</b>	DOC. NUMBER <b>1310A21421-0</b>	REV <b>A02</b>
CHANGE by <i>Jimmy song</i>		2-Mar-2007	
SHEET <b>34</b>		OF <b>61</b>	



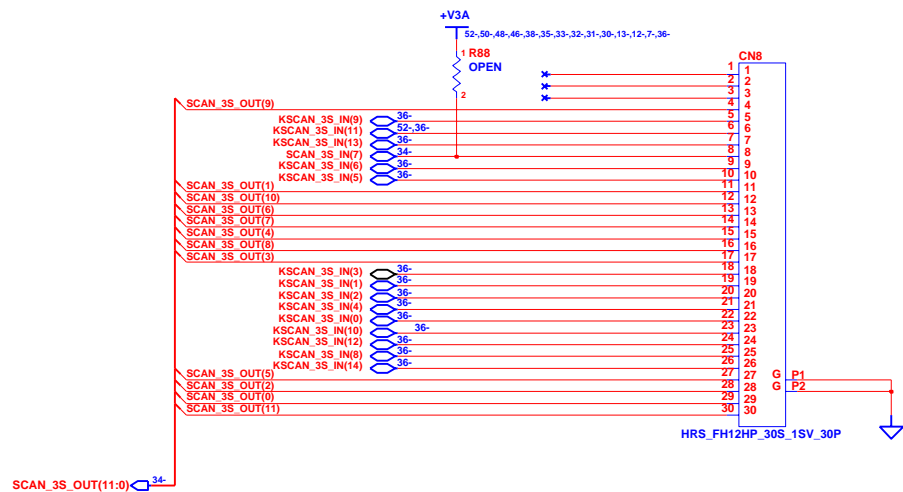
**INVENTEC**

TITLE			
TT1.0			
SPI & Accelerometer			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A21421-0	A02

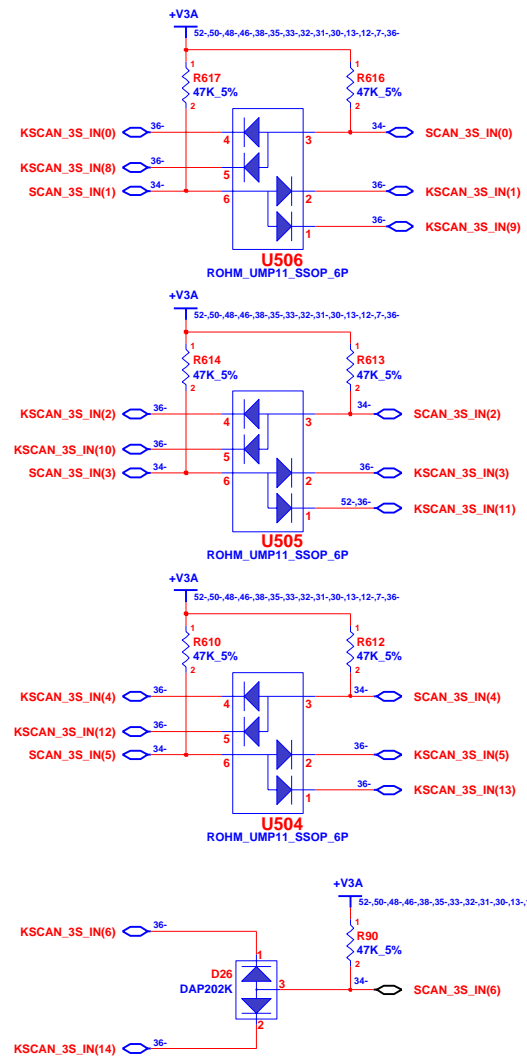
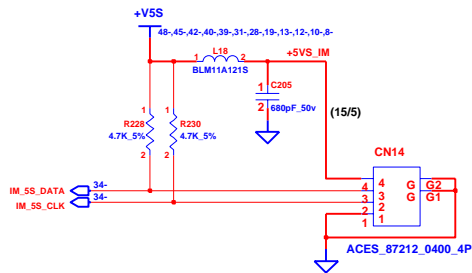
CHANGE by Jimmy song 2-Mar-2007

SHEET 35 OF 61

### Keyboard CONN



### Touch Pad CONN



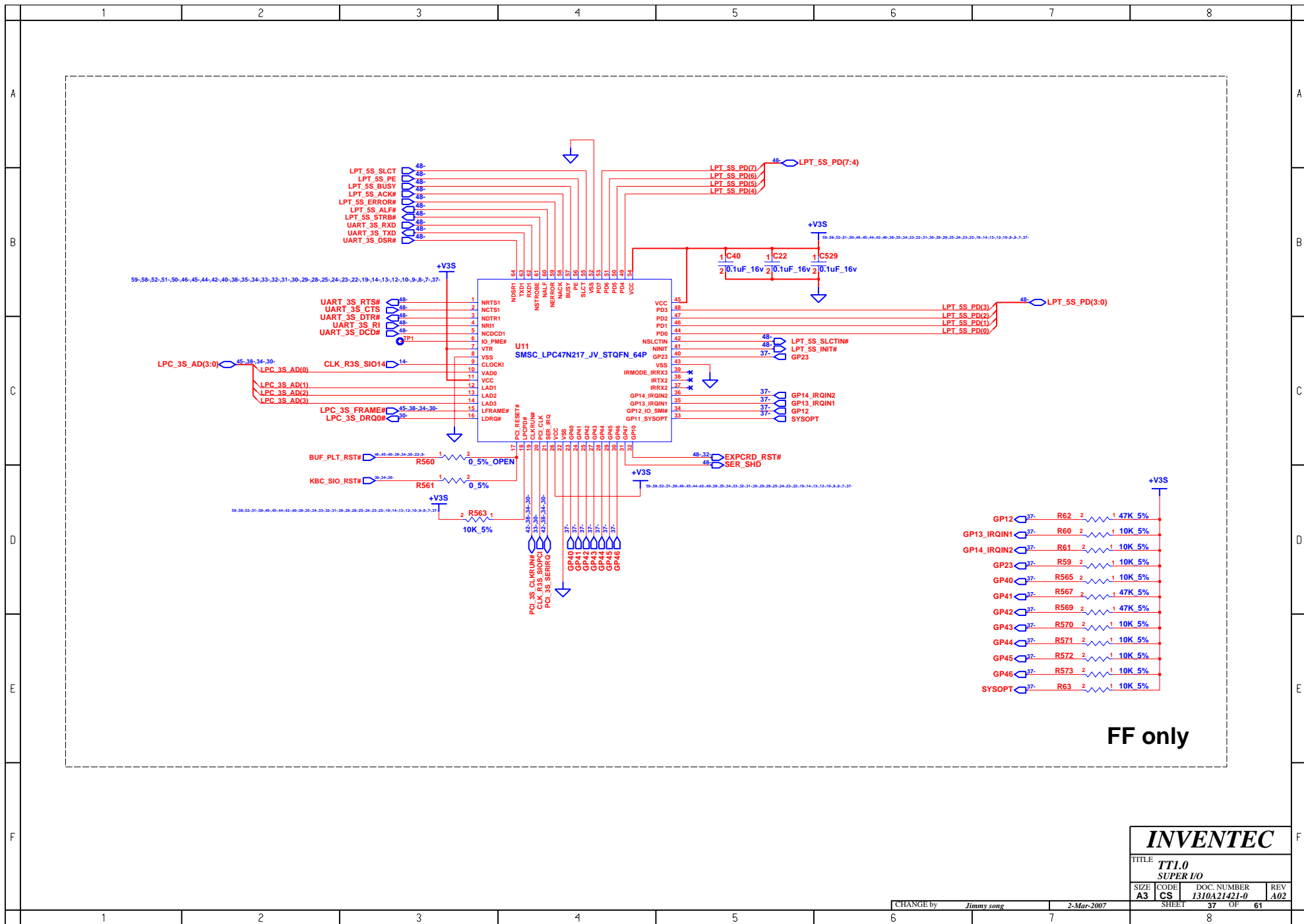
**INVENTEC**

TITLE  
TTL0  
INT.KBC/POINT DEVICES

SIZE CODE DOC NUMBER REV  
A3 CS 1310A21421-0 A02

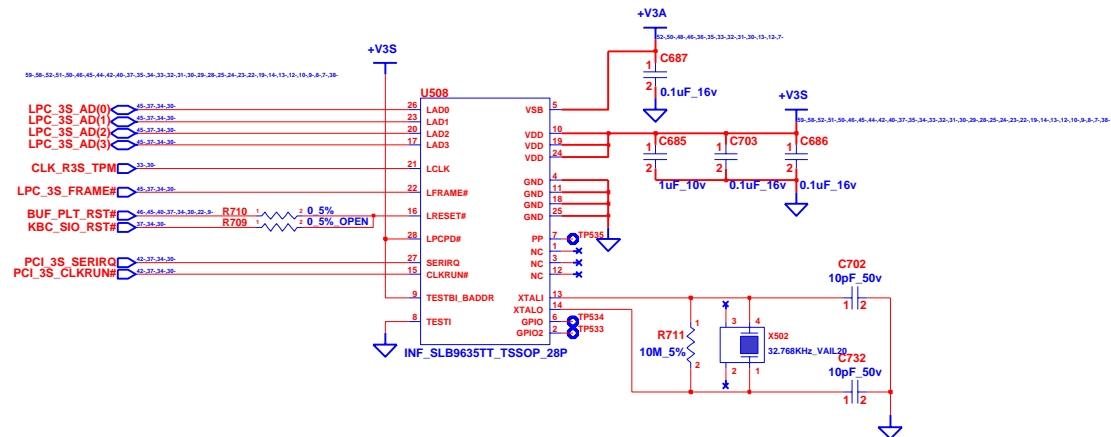
CHANGE by Jimmy song 2-Mar-2007

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FF only

<b>INVENTEC</b>			
TITLE <b>TT1.0 SUPER I/O</b>			
SIZE <b>A3</b>	CODE <b>CS</b>	DOC. NUMBER <b>1310A21421-0</b>	REV <b>A02</b>
CHANGE by <i>Jimmy song</i>		2-Mar-2007	
SHEET <b>37</b>		OF <b>61</b>	



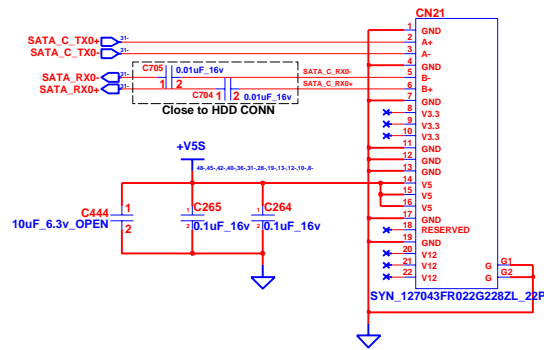
FF only

**INVENTEC**

TITLE			
TTL0			
TPM V1.2			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A21421-0	A02

CHANGE by Jimmy song 2-Mar-2007

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# HDD CONN

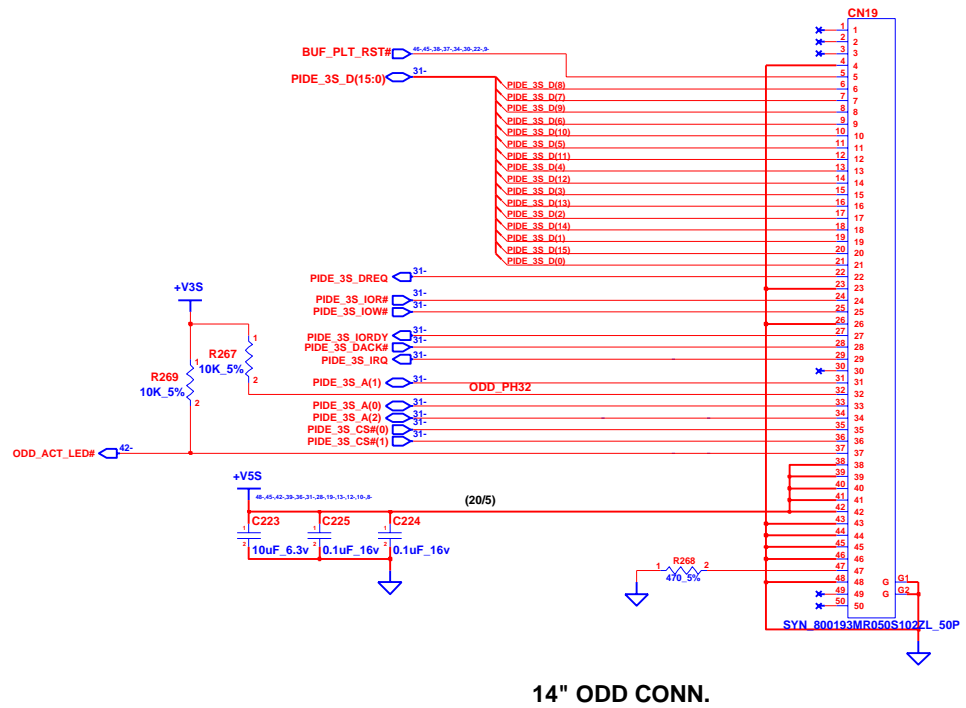
**INVENTEC**

TITLE			
TTL.0			
SATA HDD CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A21421-0	A02

CHANGE by Jimmy song 2-Mar-2007

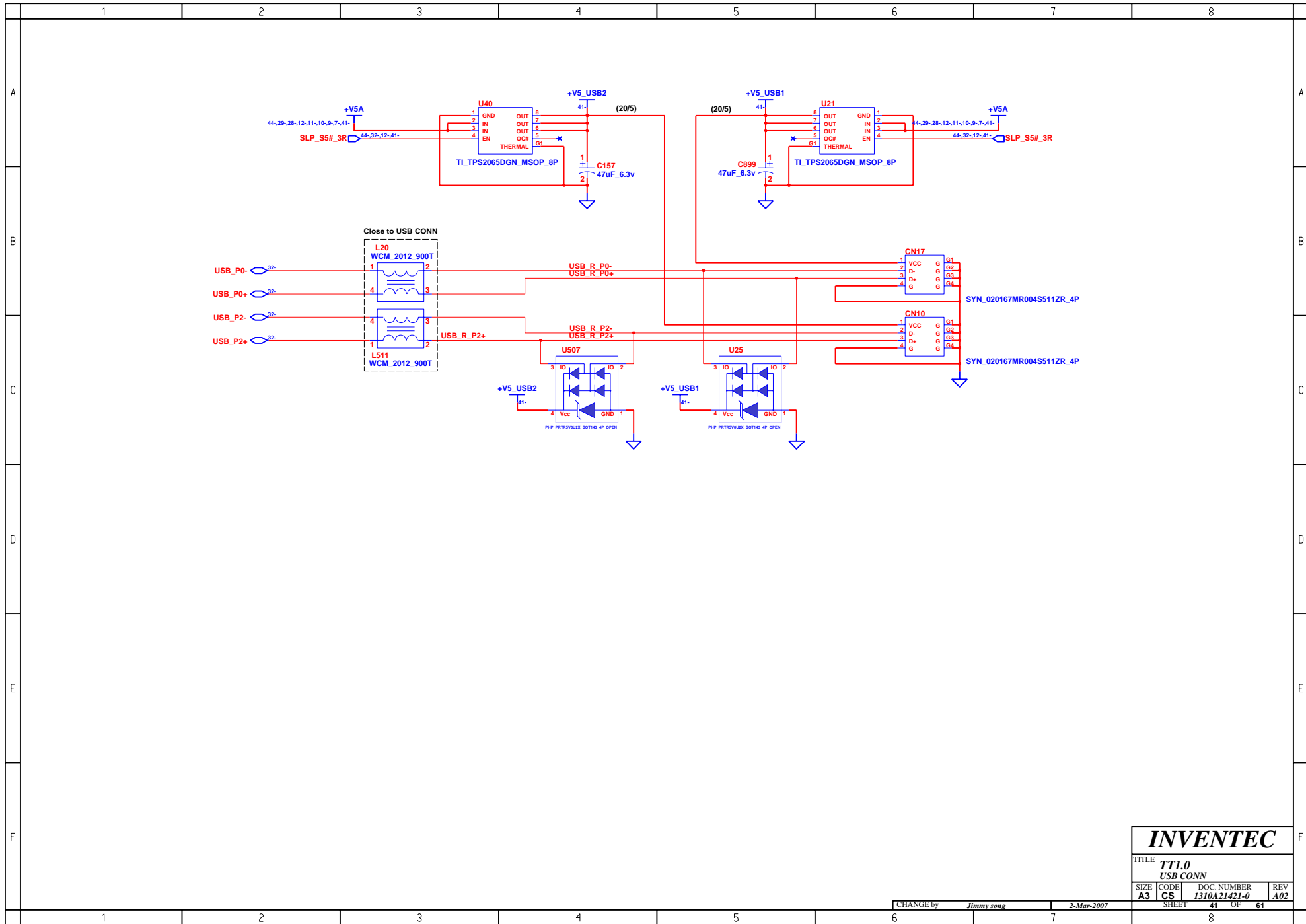
SHEET 39 OF 61

1	2	3	4	5	6	7	8
A							
B							
C							
D							
E							
F							
1	2	3	4	5	6	7	8



14" ODD CONN.

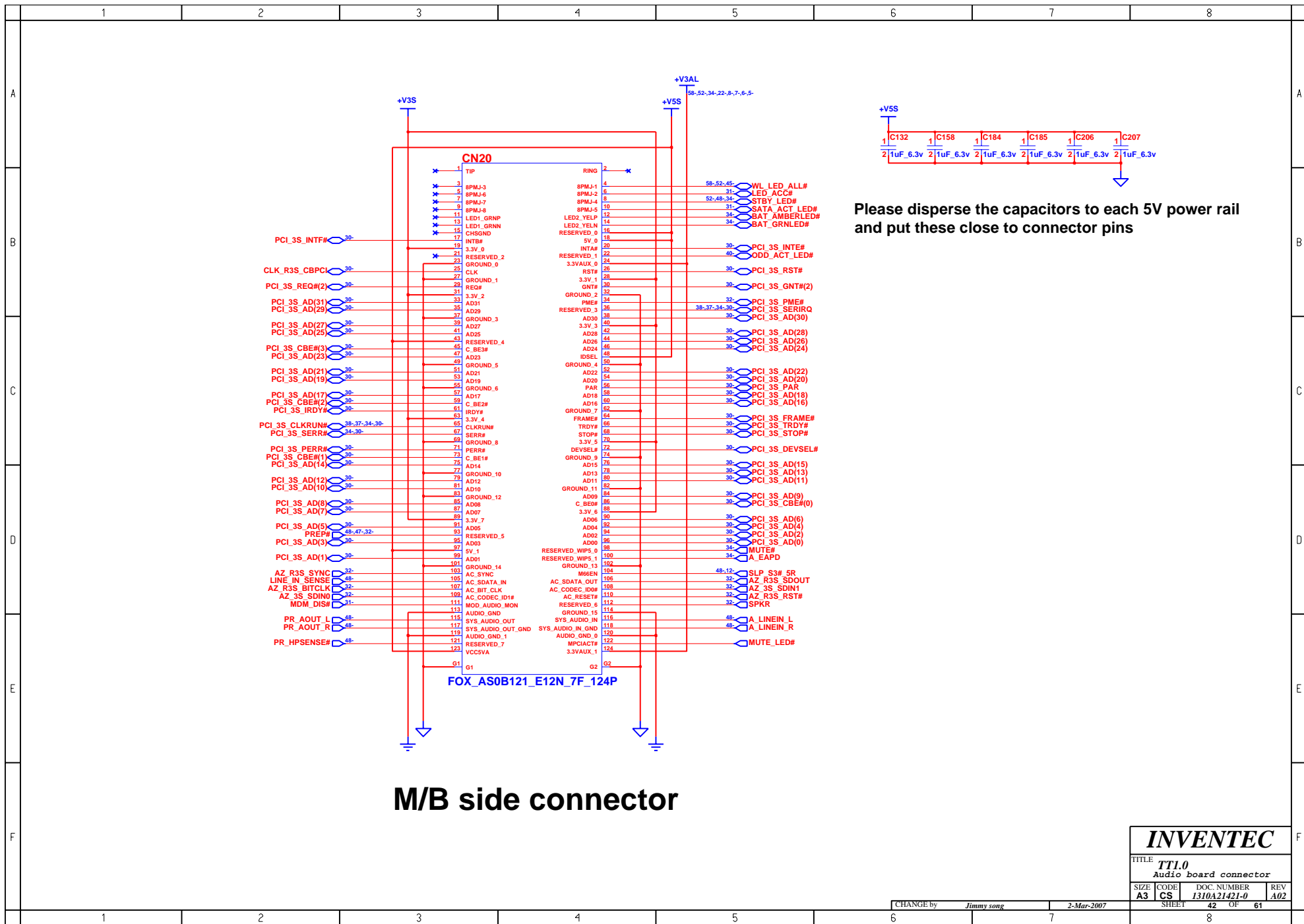
<b>INVENTEC</b>			
TITLE <i>TTL0</i> <i>Fixed ODD</i>			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A21421-0	A02
CHANGE by		SHEET	OF
Jimmy song		40	61



**INVENTEC**

TITLE			
TTL.0			
USB CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A21421-0	A02

CHANGE by	Jimmy song	2-Mar-2007	SHEET	41	OF	61
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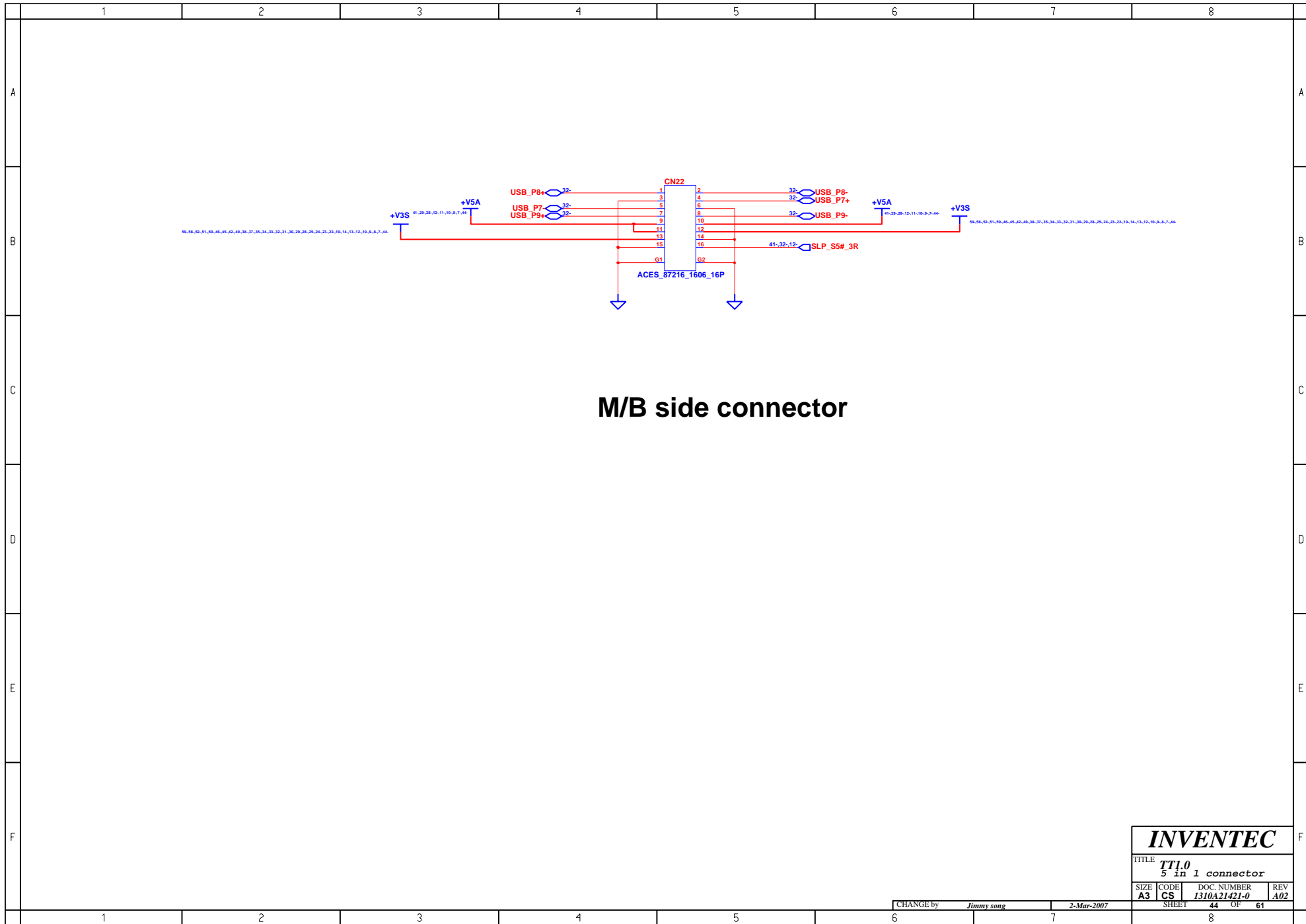


<b>INVENTEC</b>			
TITLE <b>TT1.0</b>			
Audio board connector			
SIZE <b>A3</b>	CODE <b>CS</b>	DOC. NUMBER <b>1310A21421-0</b>	REV <b>A02</b>
CHANGE by <i>Jimmy song</i>		2-Mar-2007	
SHEET 42		OF 61	

**BLANK**

<b>INVENTEC</b>			
TITLE <i>TT1.0</i> <i>BLANK</i>			
SIZE <b>A3</b>	CODE <b>CS</b>	DOC. NUMBER <i>1310A21421-0</i>	REV <i>A02</i>
CHANGE by <i>Jimmy song</i>		2-Mar-2007	
SHEET		43	OF 61

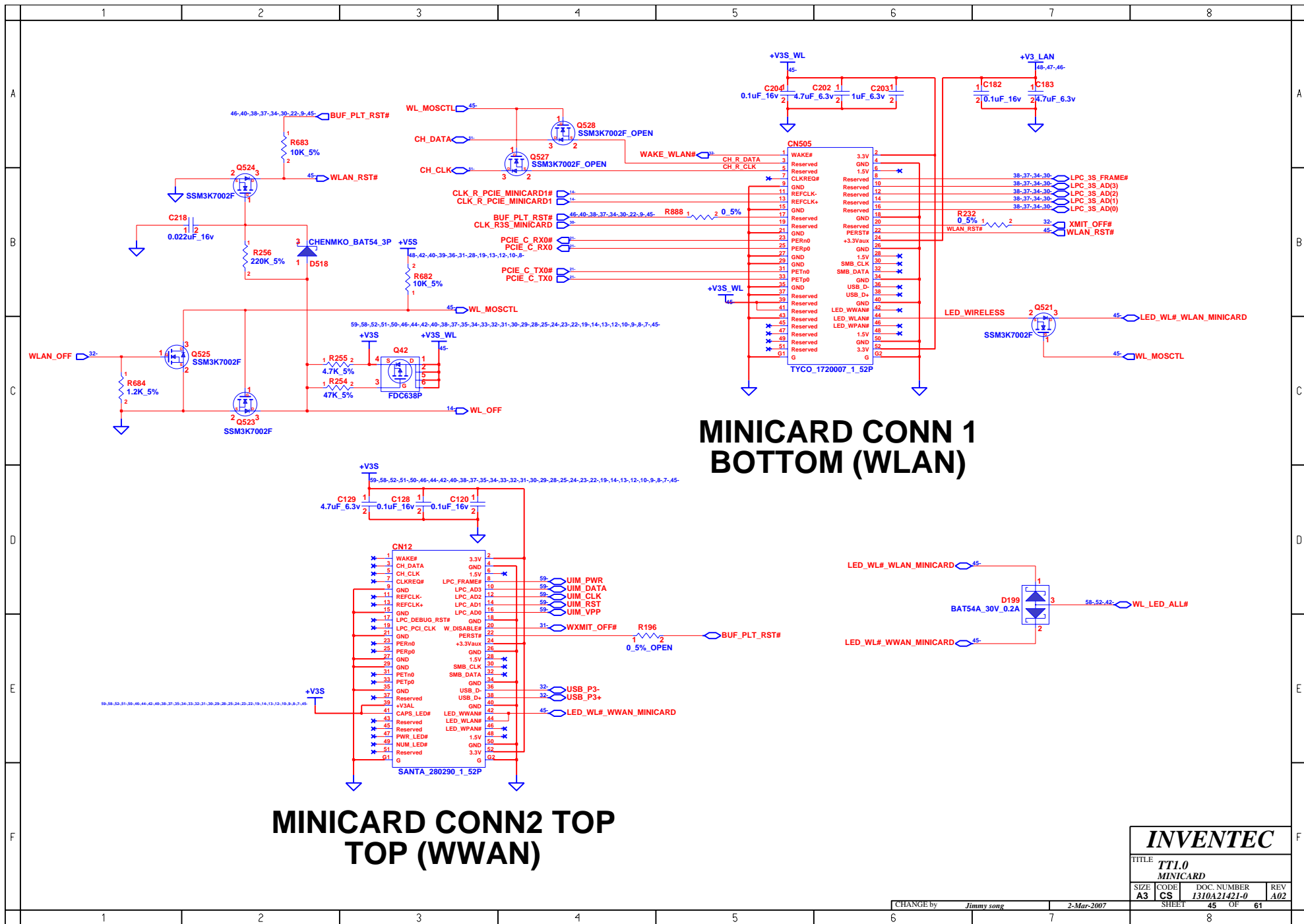
	1	2	3	4	5	6	7	8	
A									A
B									B
C									C
D									D
E									E
F									F
	1	2	3	4	5	6	7	8	



<b>INVENTEC</b>			
TITLE <b>TT1.0</b>			
5 in 1 connector			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A21421-0	A02

CHANGE by *Jimmy song* 2-Mar-2007

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# MINICARD CONN 1 BOTTOM (WLAN)

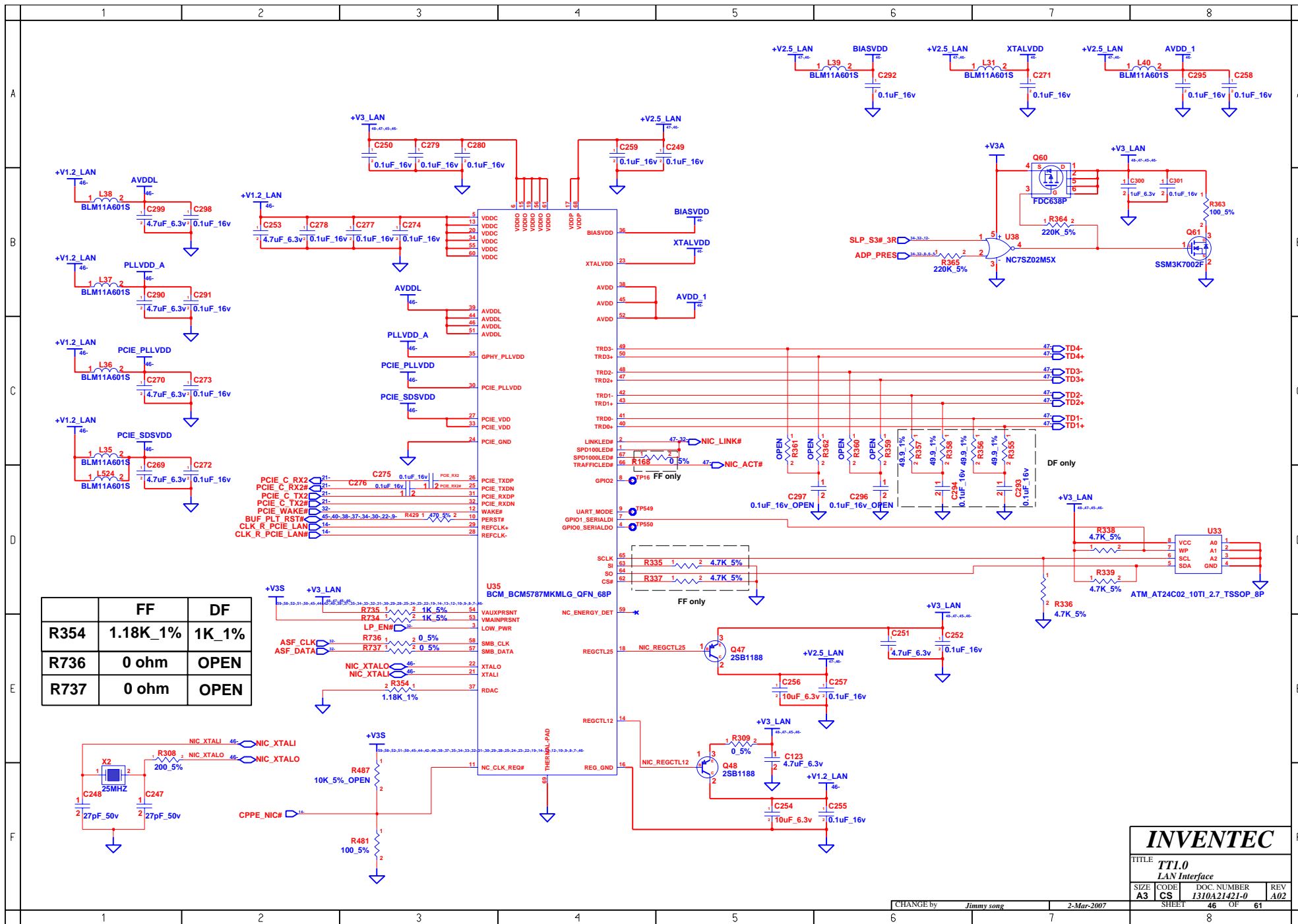
# MINICARD CONN2 TOP TOP (WWAN)

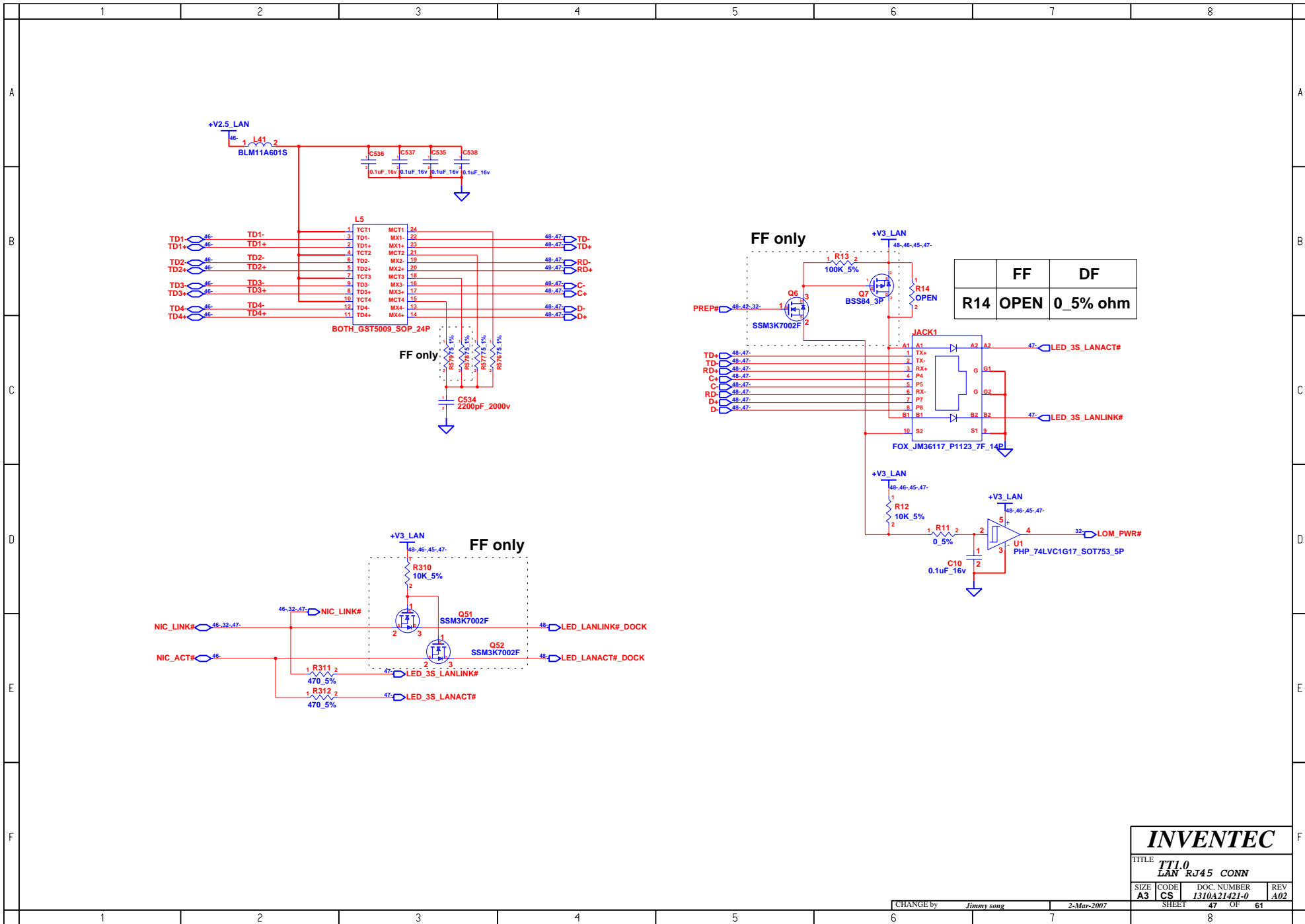
**INVENTEC**

TITLE			
TTL0			
MINICARD			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A21421-0	A02

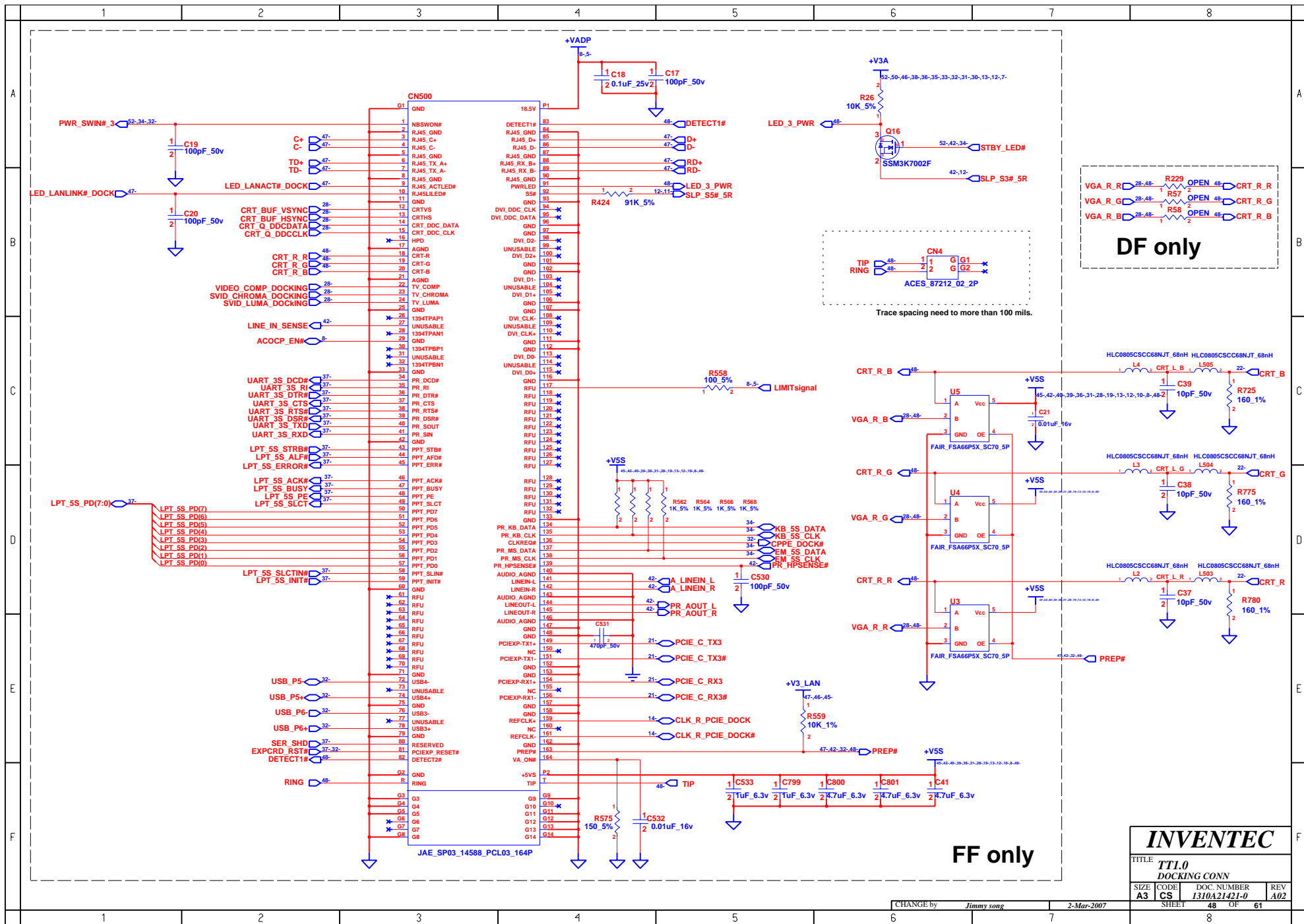
CHANGE by Jimmy song 2-Mar-2007

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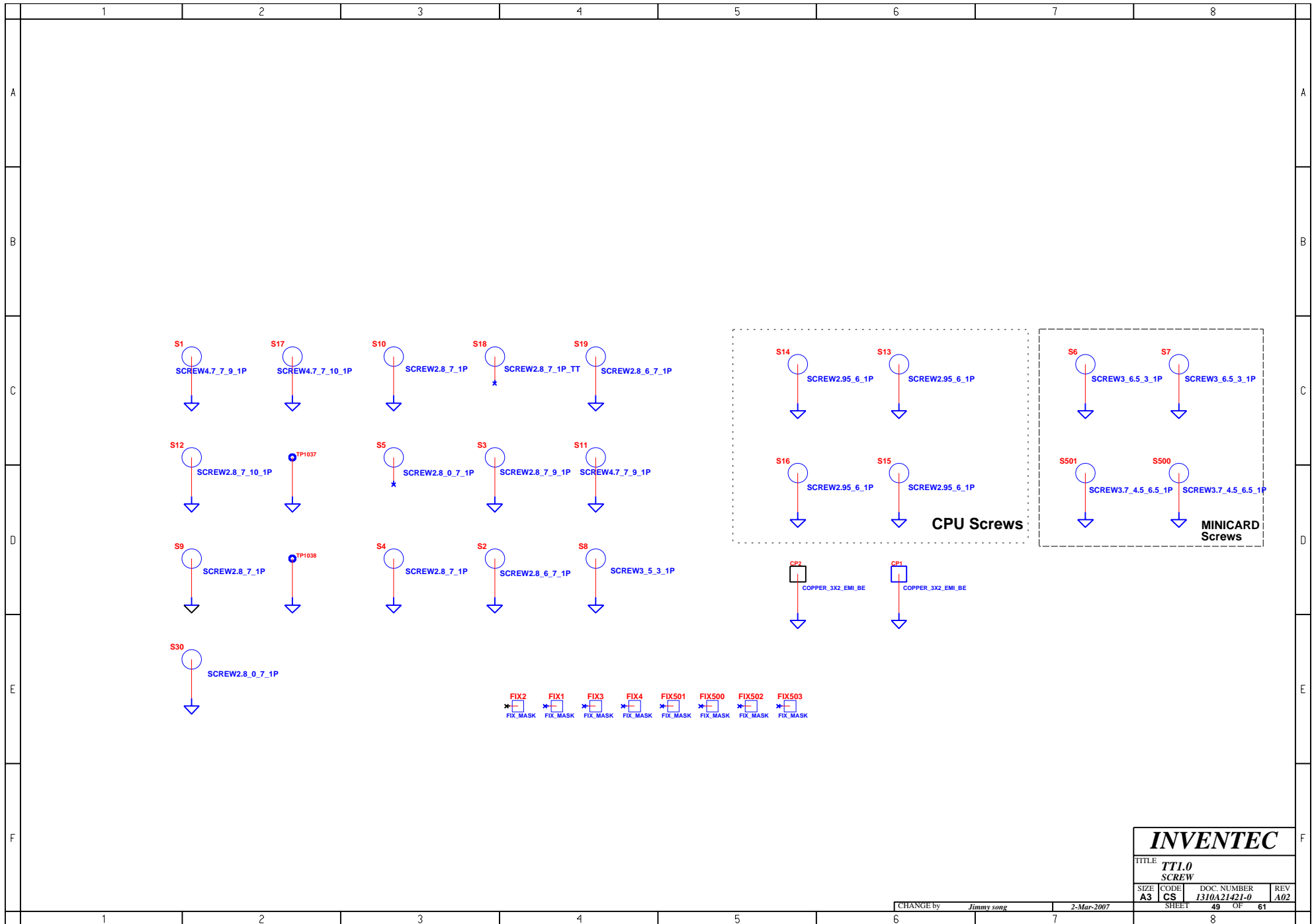




<b>INVENTEC</b>			
TITLE <i>TTL0</i> <i>LAN RJ45 CONN</i>			
SIZE <b>A3</b>	CODE <b>CS</b>	DOC. NUMBER <i>1310A21421-0</i>	REV <b>A02</b>
CHANGE by <i>Jimmy song</i>		2-Mar-2007	SHEET 47 OF 61

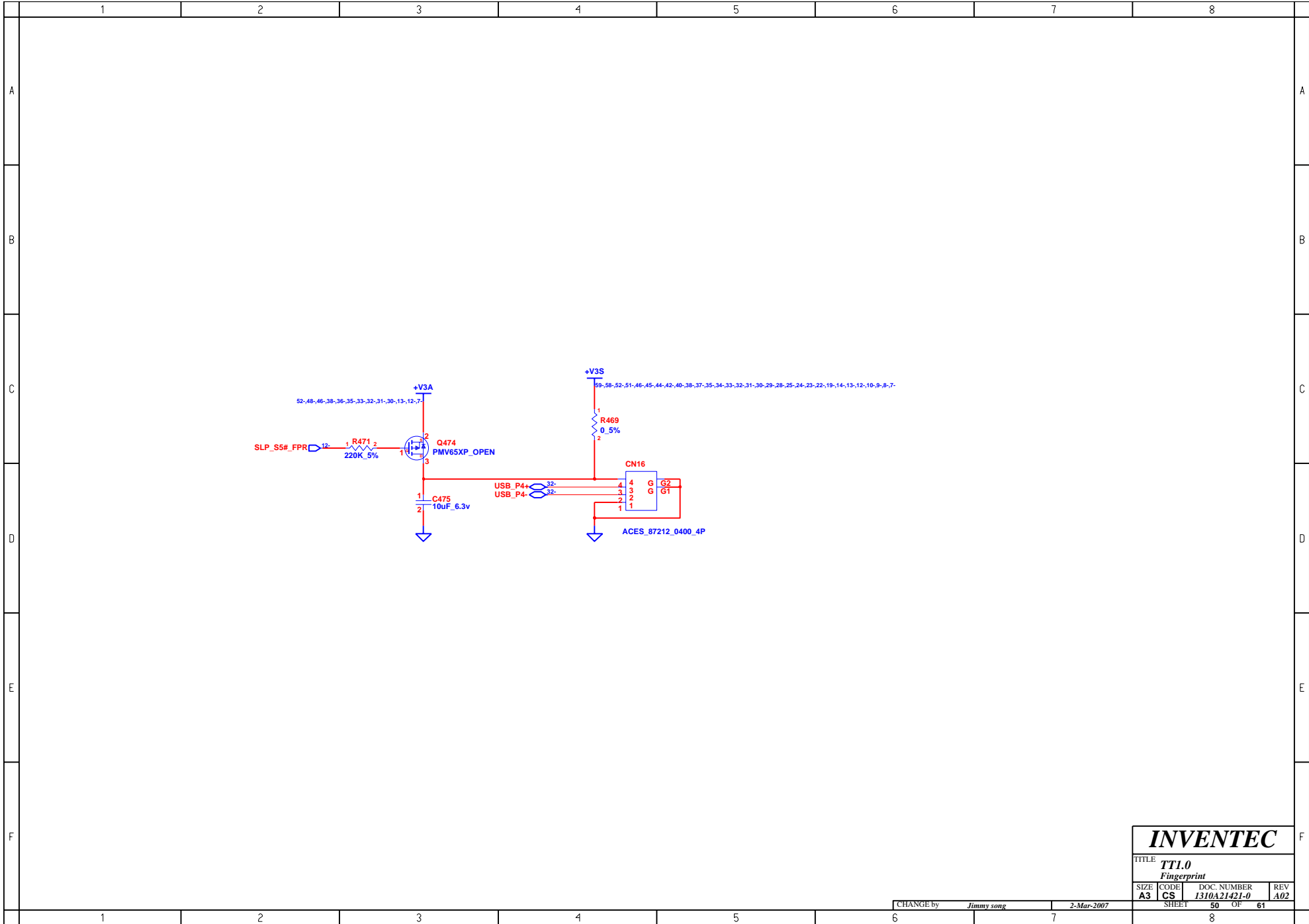


CHANGE by Jimmy song 2-Mar-2007



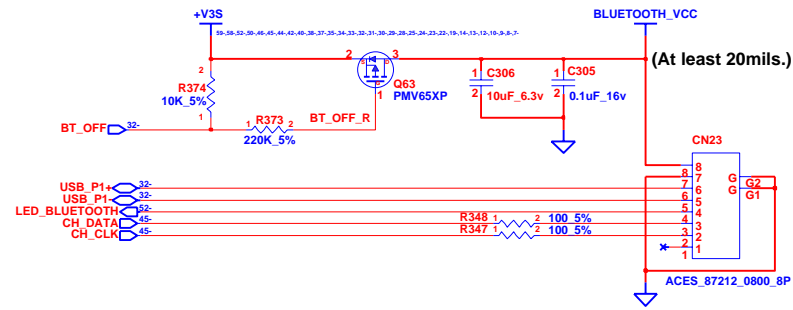
**INVENTEC**

TITLE			
TT1.0			
SCREW			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A21421-0	A02



# INVENTEC

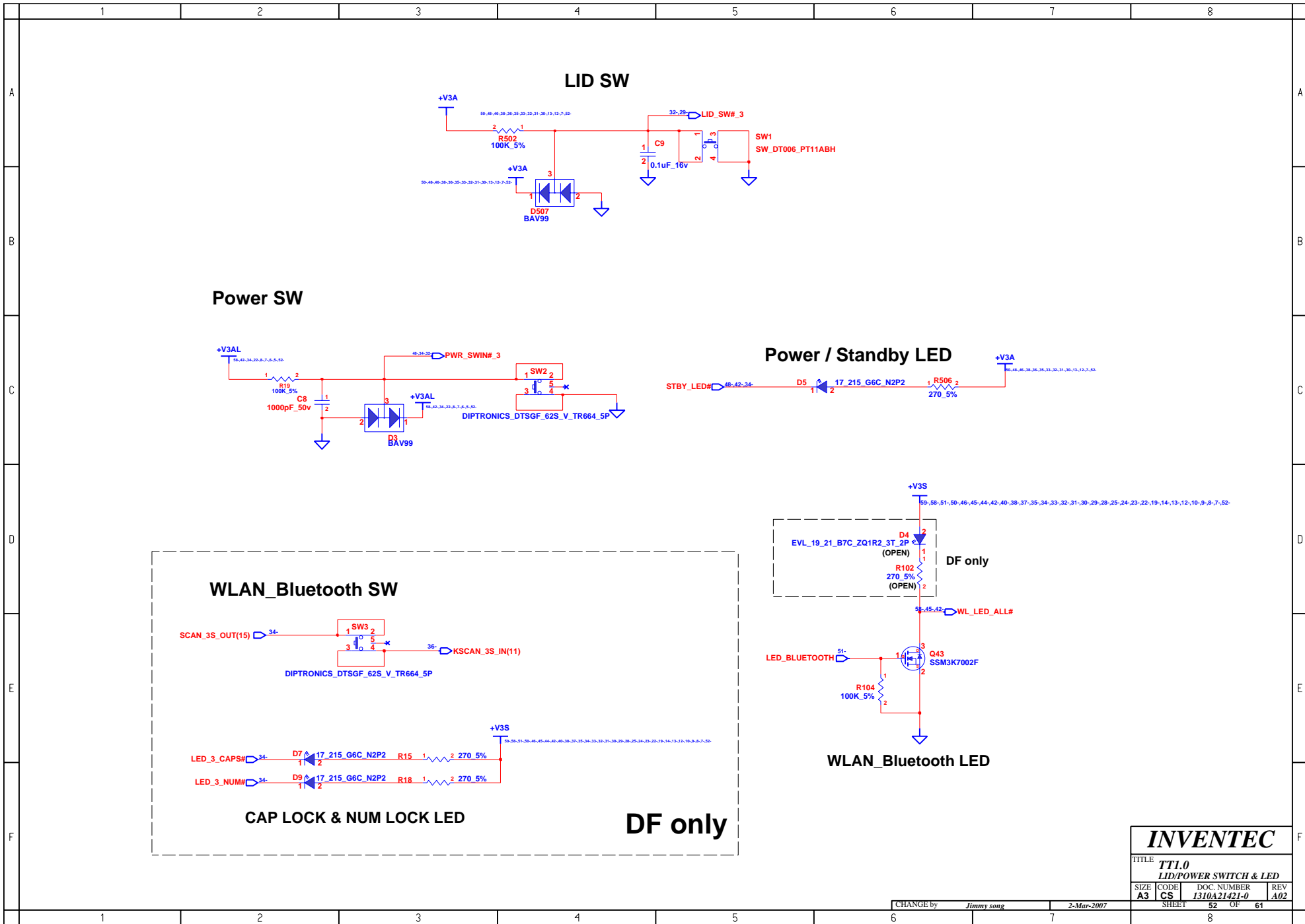
TITLE <b>TT1.0</b> Fingerprint			
SIZE <b>A3</b>	CODE <b>CS</b>	DOC. NUMBER <b>1310A21421-0</b>	REV <b>A02</b>
CHANGE by <i>Jimmy song</i>		2-Mar-2007	SHEET 50 OF 61



# INVENTEC

TITLE			
TT1.0			
BLUETOOTH			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A21421-0	A02
SHEET		51	OF 61

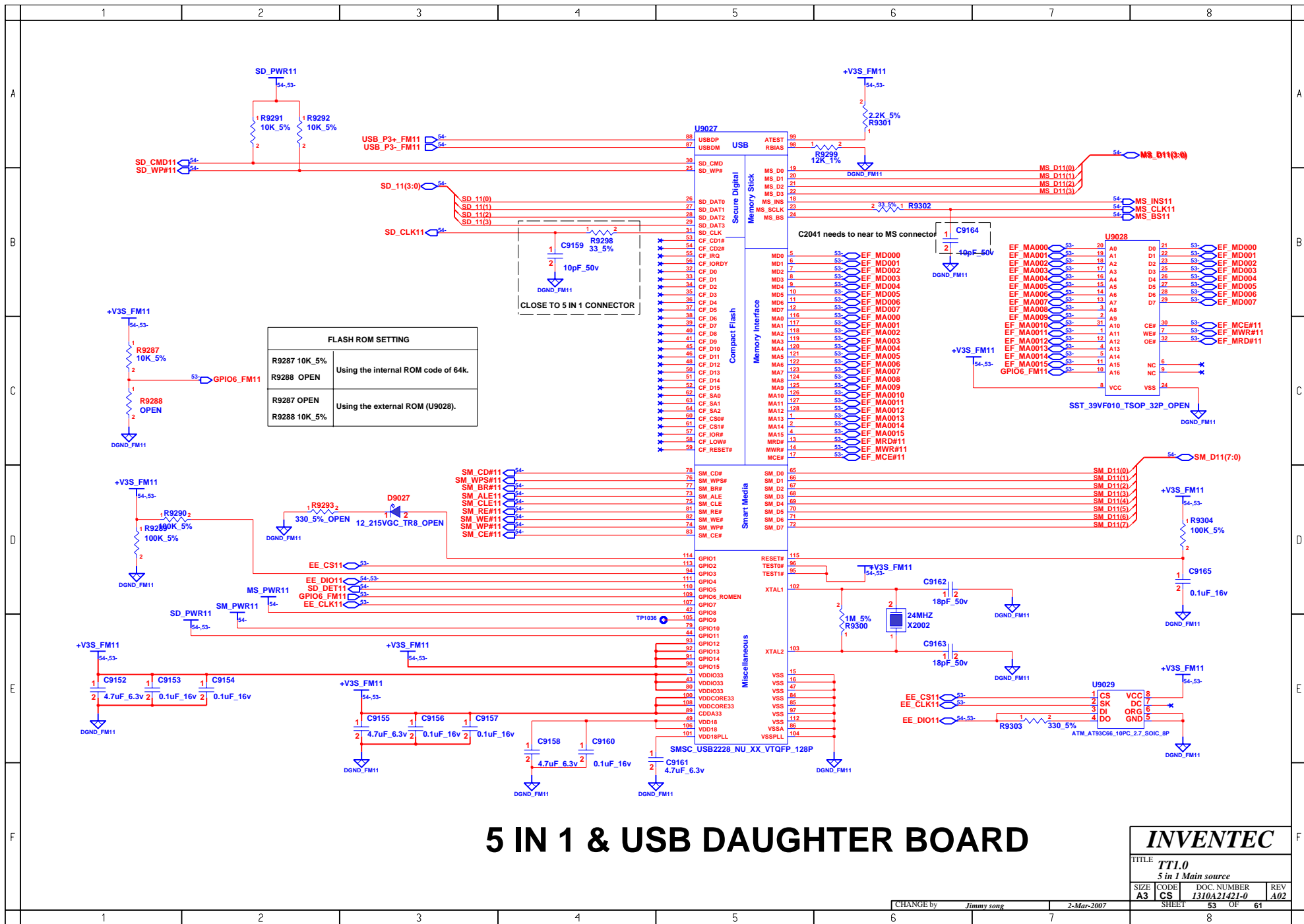
CHANGE by Jimmy song 2-Mar-2007

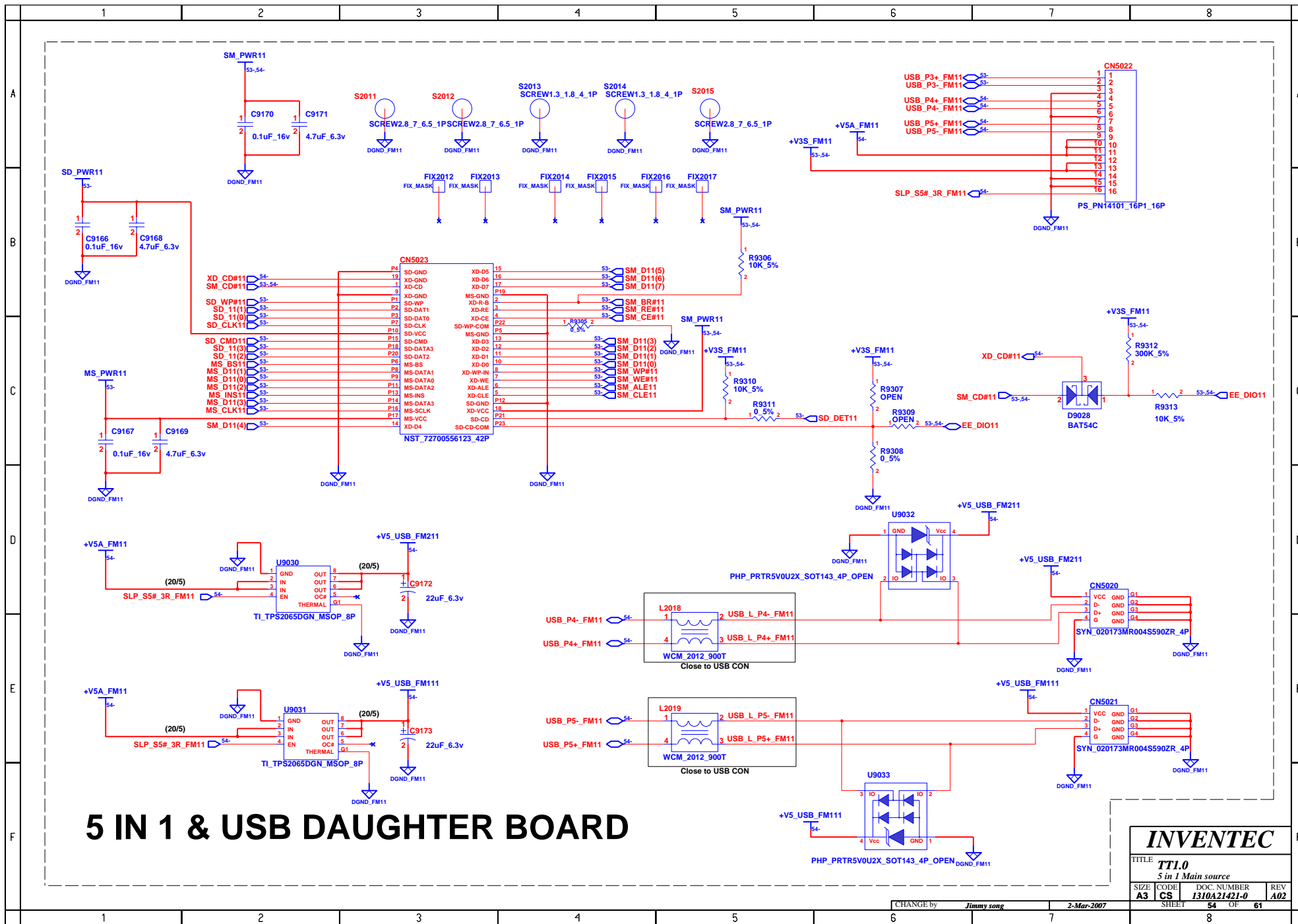


**INVENTEC**

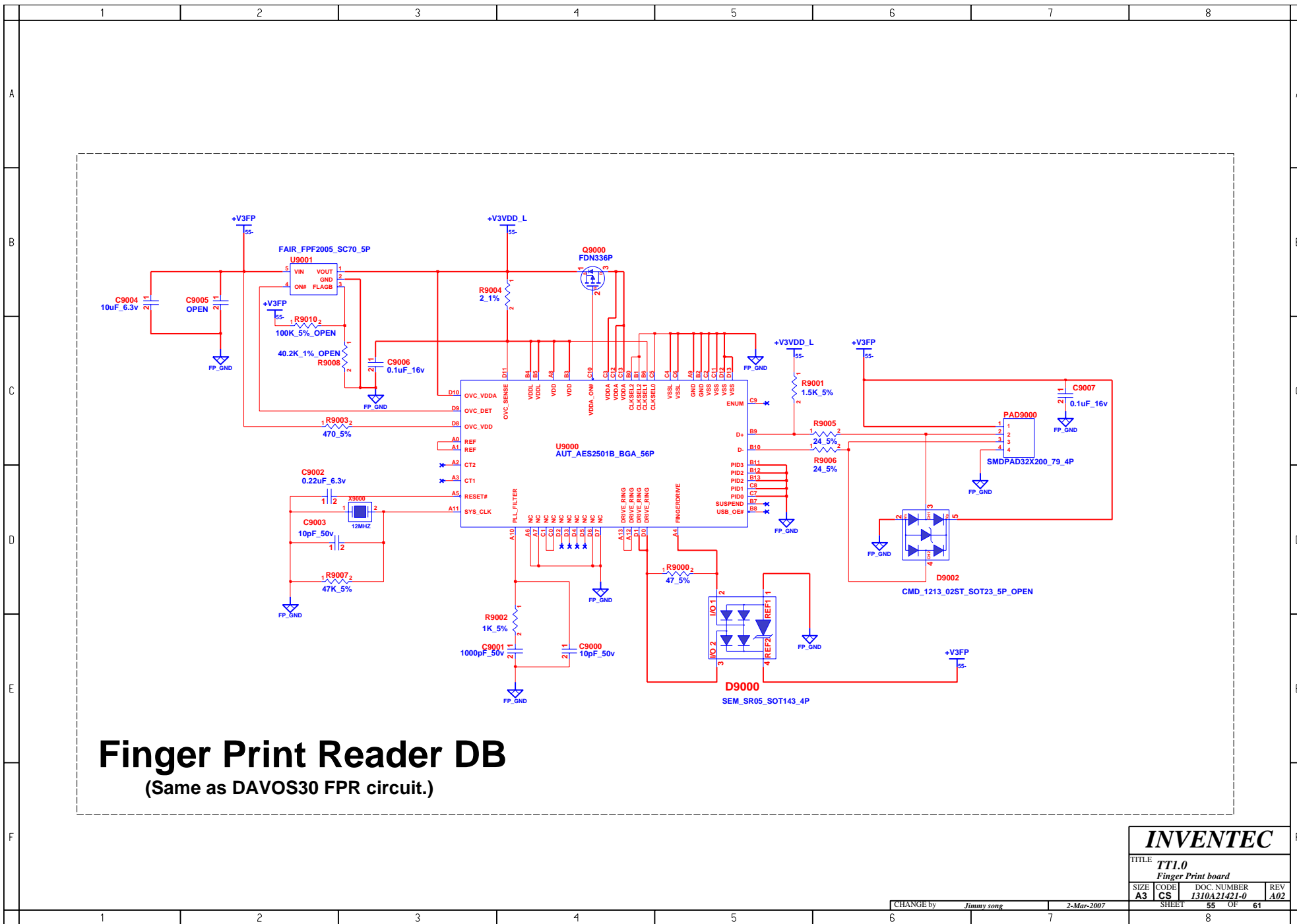
TITLE			
TTL0			
LID/POWER SWITCH & LED			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A21421-0	A02

CHANGE by	Jimmy song	2-Mar-2007	SHEET	52	OF	61
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<b>INVENTEC</b>			
TITLE <b>TT1.0</b>			
5 in 1 Main source			
SIZE <b>A3</b>	CODE <b>CS</b>	DOC NUMBER <b>I310A21421-0</b>	REV <b>A02</b>
CHANGE by <i>Jimmy song</i>		2-Mar-2007	
SHEET <b>54</b>		OF <b>61</b>	



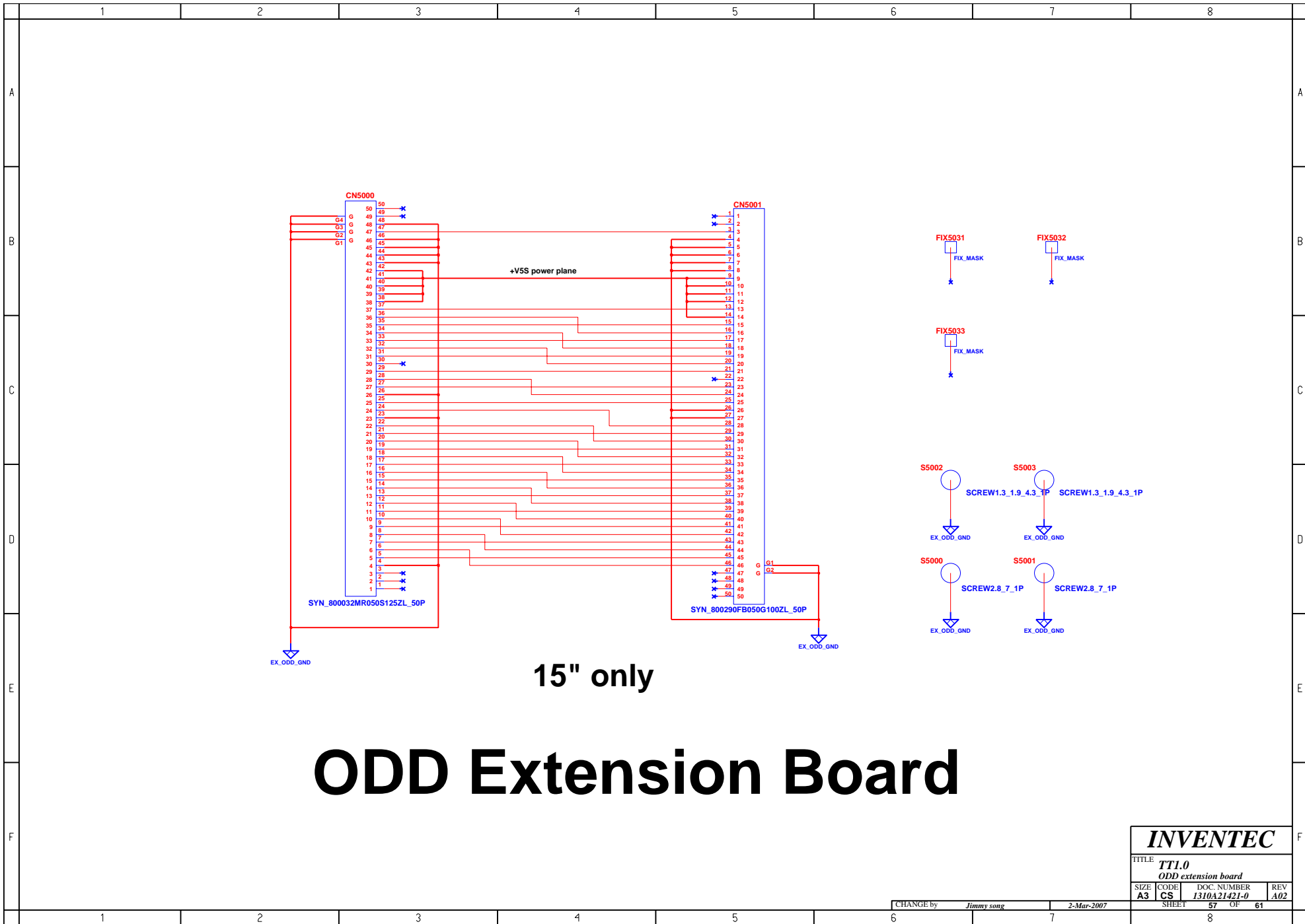
**INVENTEC**

TITLE			
TT1.0			
Finger Print board			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A21421-0	A02
CHANGE by		SHEET	
Jimmy song		55 OF 61	

2-Mar-2007

**BLANK**

<b>INVENTEC</b>			
TITLE <i>TT1.0</i> <i>BLANK</i>			
SIZE <b>A3</b>	CODE <b>CS</b>	DOC. NUMBER <i>1310A21421-0</i>	REV <i>A02</i>
CHANGE by <i>Jimmy song</i>		2-Mar-2007	
SHEET		56	OF 61
		8	



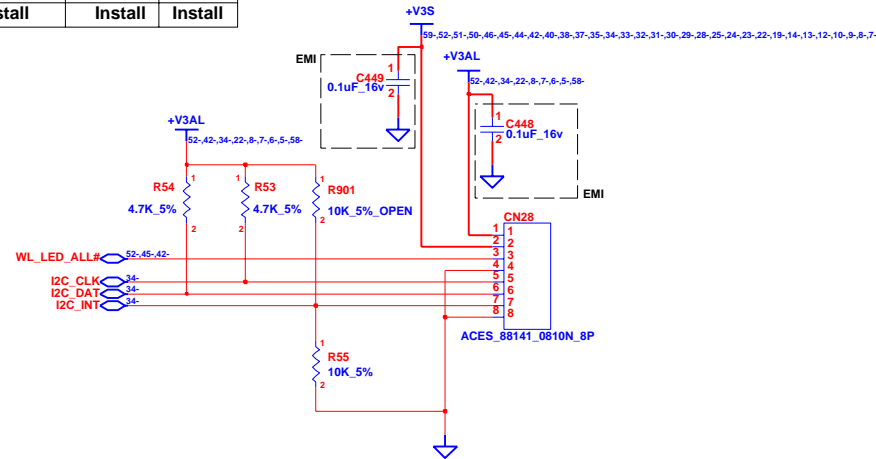
**INVENTEC**

TITLE			
TT1.0			
ODD extension board			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A21421-0	A02

CHANGE by Jimmy song 2-Mar-2007

SHEET 57 OF 61

	FF+WWAN	DF	FF
CN28,C448,C449	Install	uninstall	Install
R53,R54,R55	Install	Install	Install



**INVENTEC**

TITLE <i>TT1.0</i>			
SW/B connector			
SIZE <b>A3</b>	CODE <b>CS</b>	DOC. NUMBER <b>1310A21421-0</b>	REV <b>A02</b>
CHANGE by <i>Jimmy song</i>		2-Mar-2007	
SHEET <b>58</b>		OF <b>61</b>	



