

2007/03/02

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INVENTEC

TITLE *TT1.0*

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

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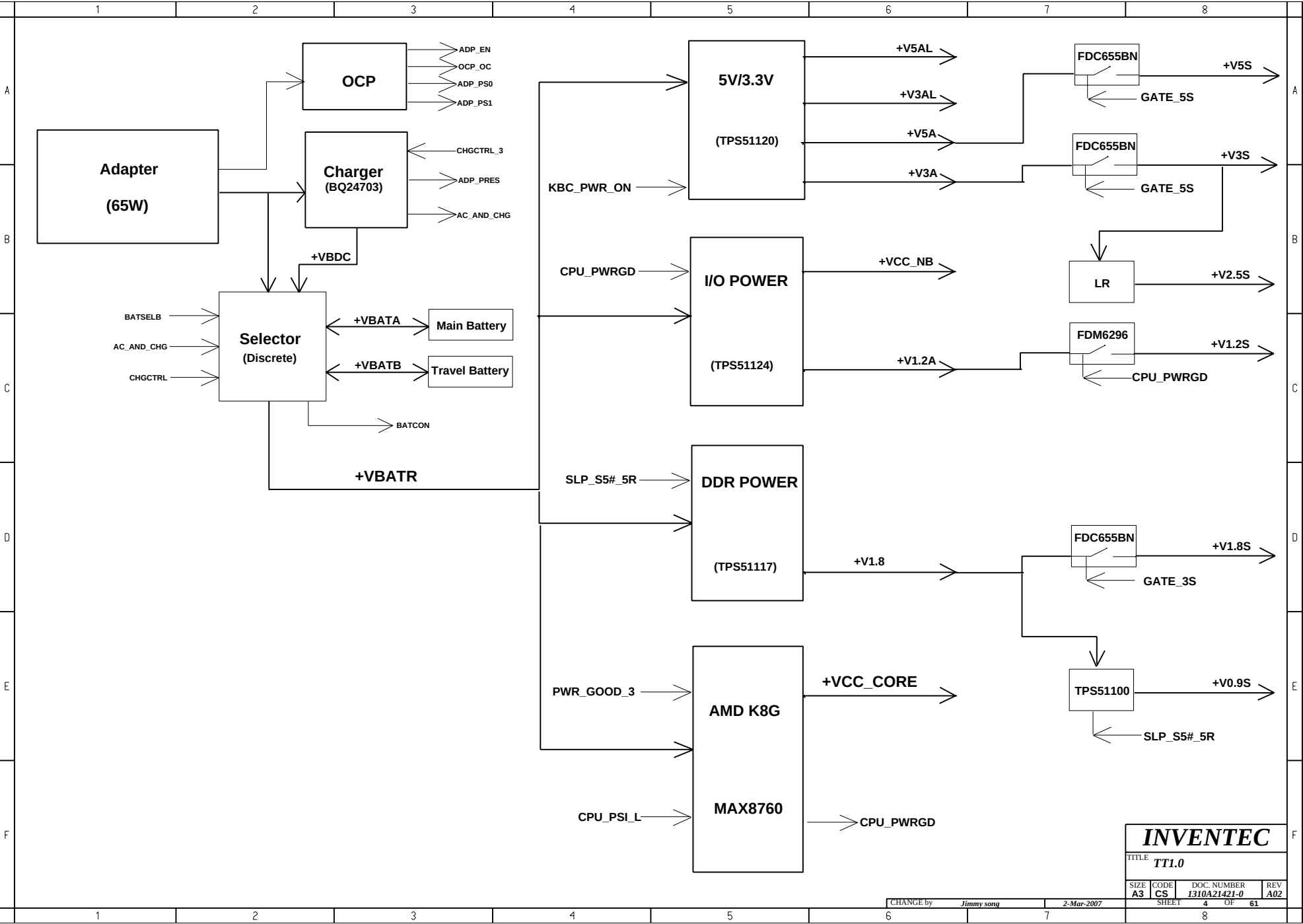
[illegible]

INVENTEC

SIZE A3	CODE CS	DOC. NUMBER 1310A21421-0	REV A02
SHEET 3 OF 61			

CHANGE by	<i>Jimmy song</i>	2-Mar-2007
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CS 1310A21421-0
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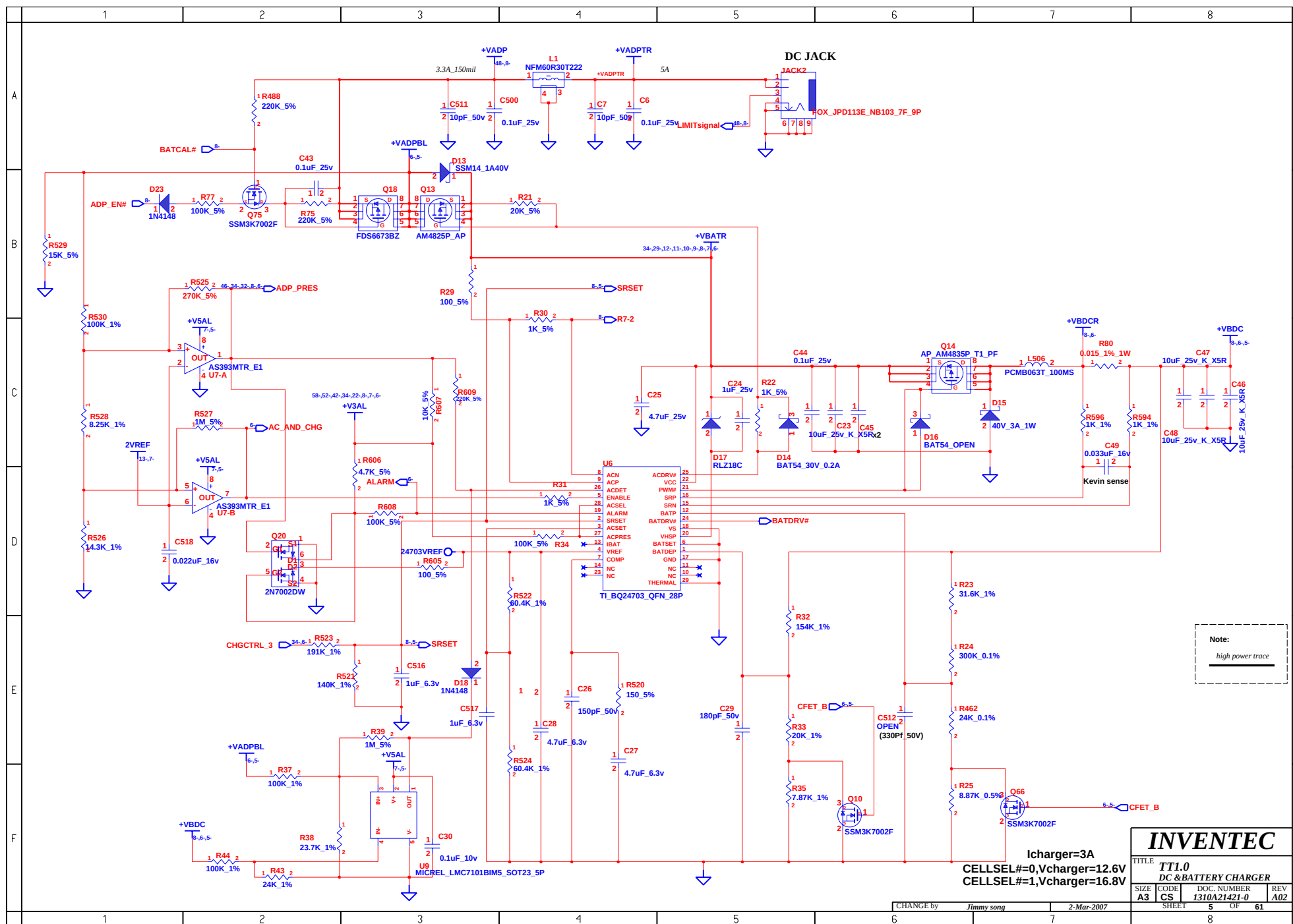
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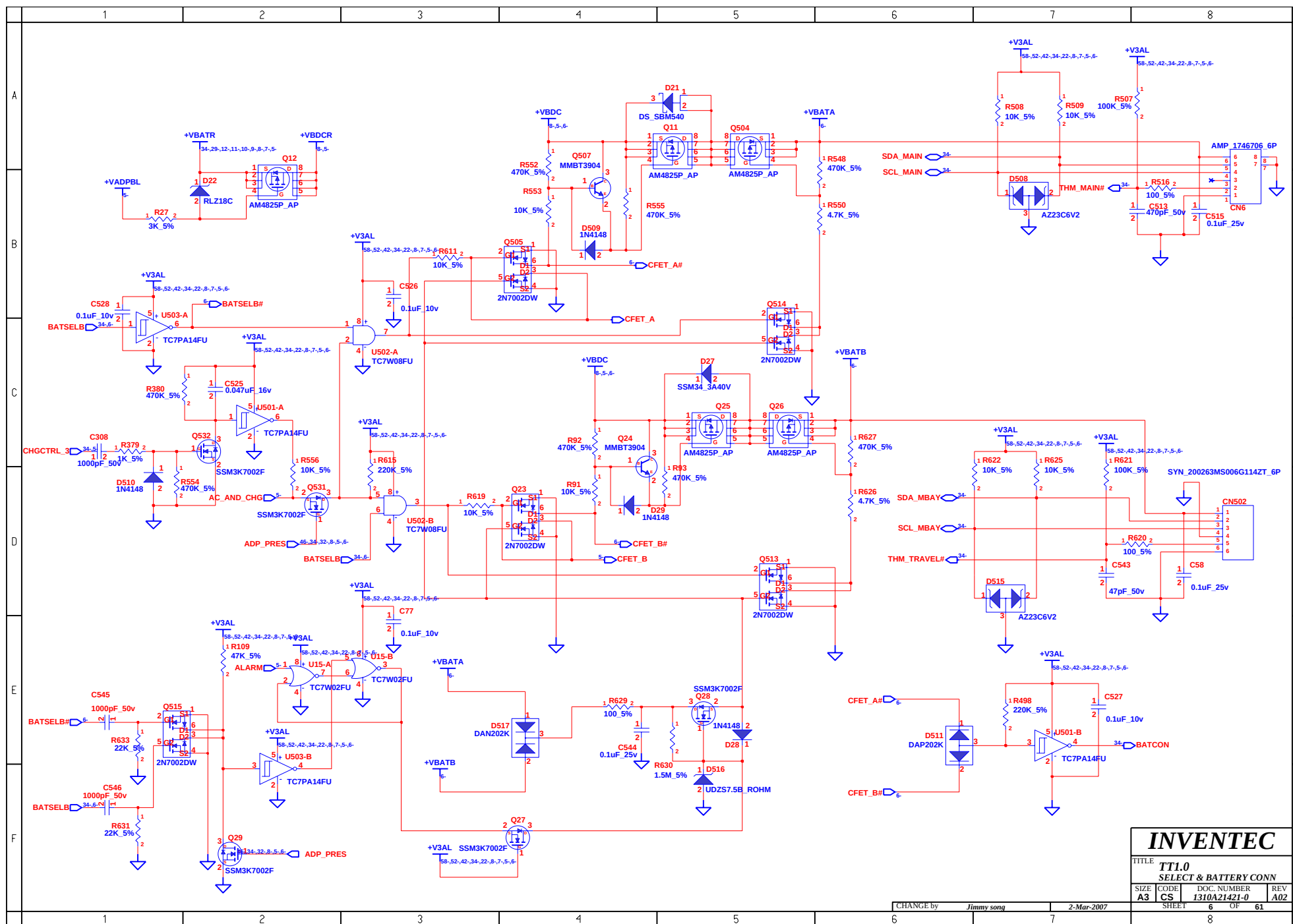
TITLE **TT1.0**

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

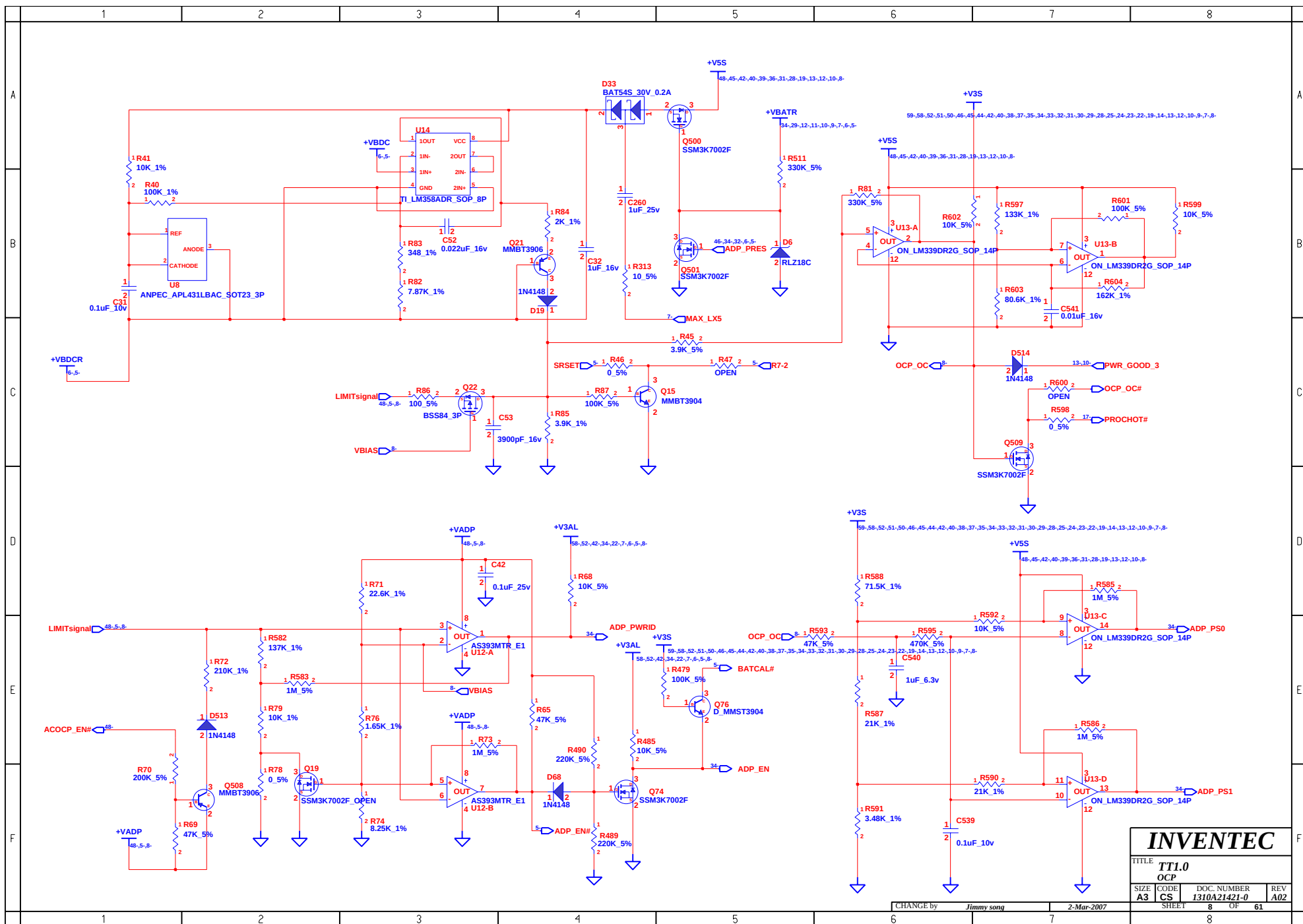
CHANGE by *Jimmy song* 2-Mar-2007

SHEET 4 OF 61

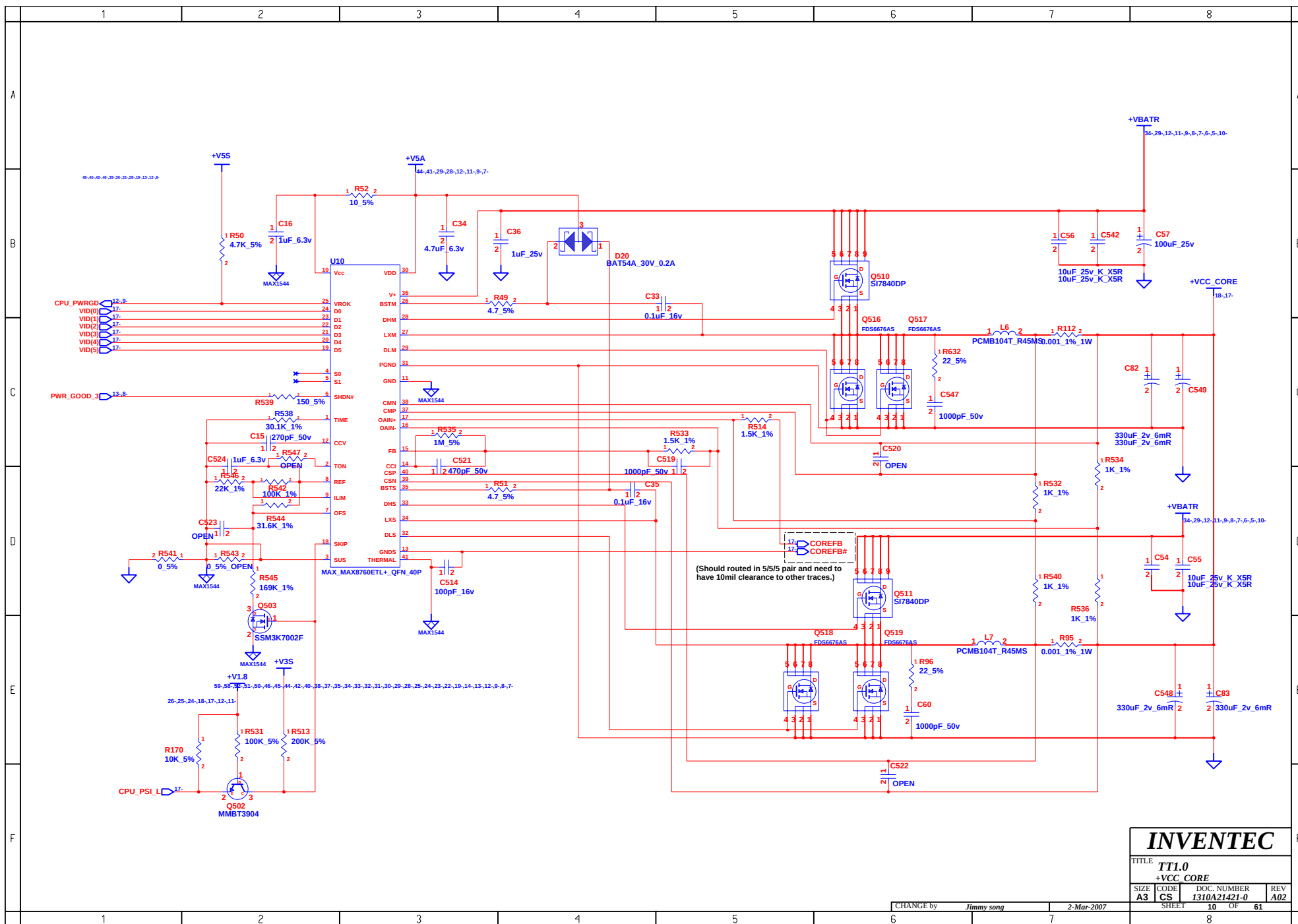








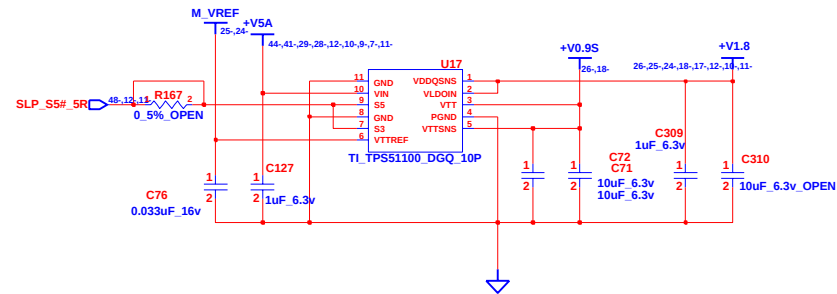
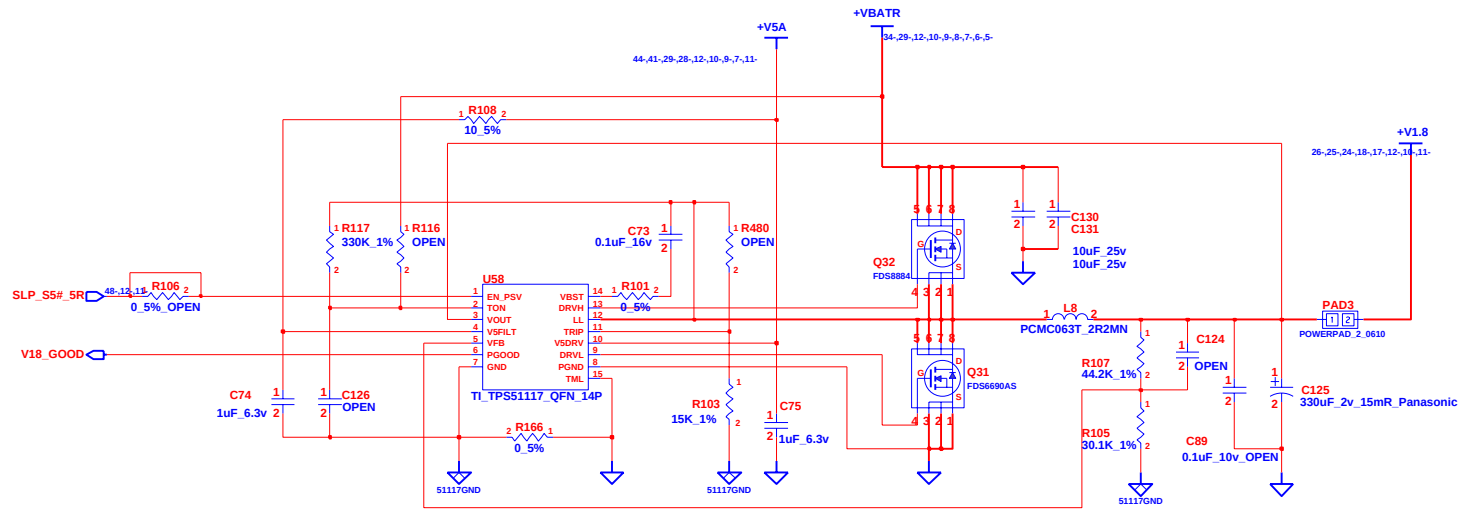




INVENTEC

TITLE			
TT1.0			
+VCC_CORE			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310A21421-0	A02
SHEET		10	OF 61

CHANGE by Jimmy song 2-Mar-2007

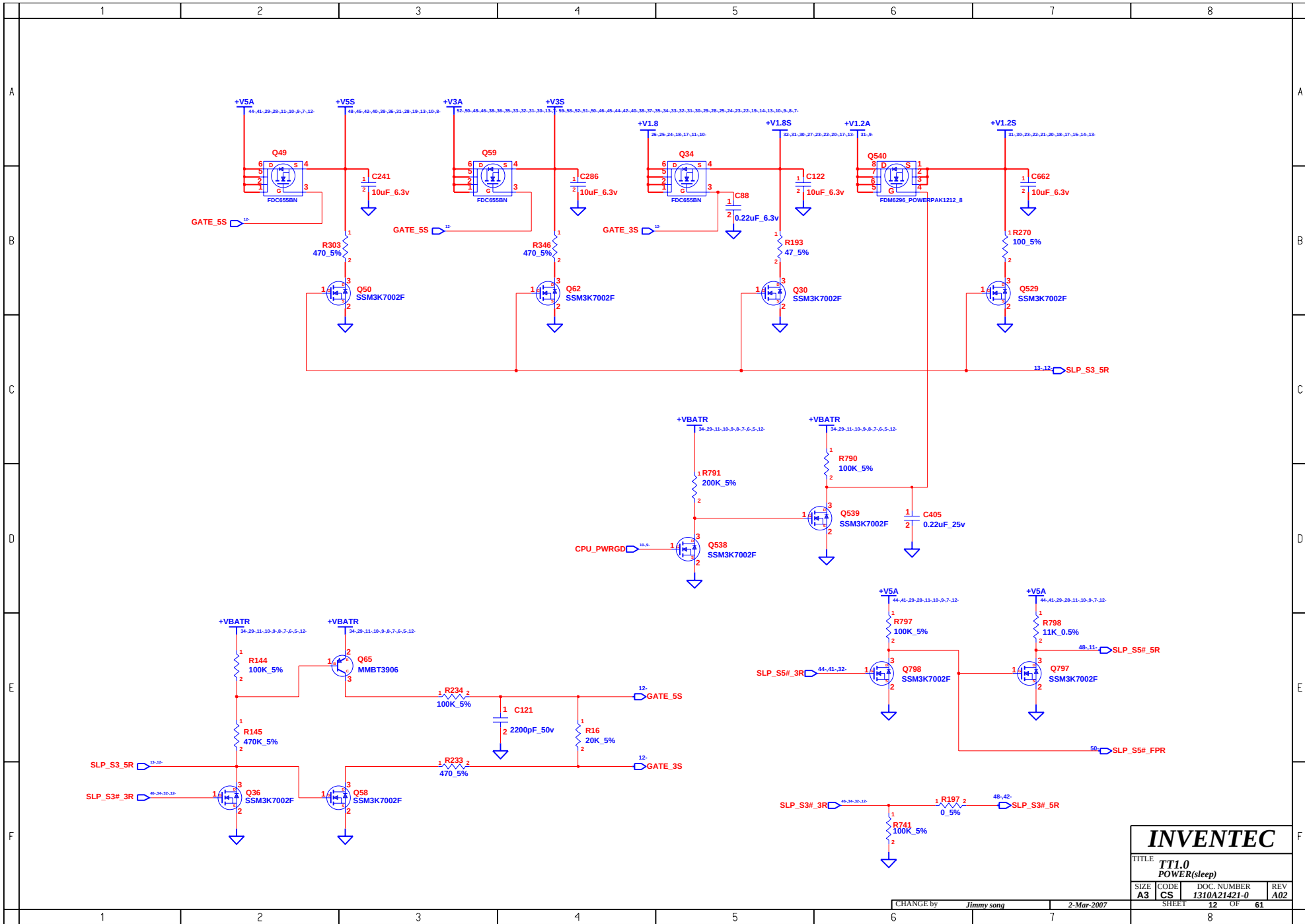


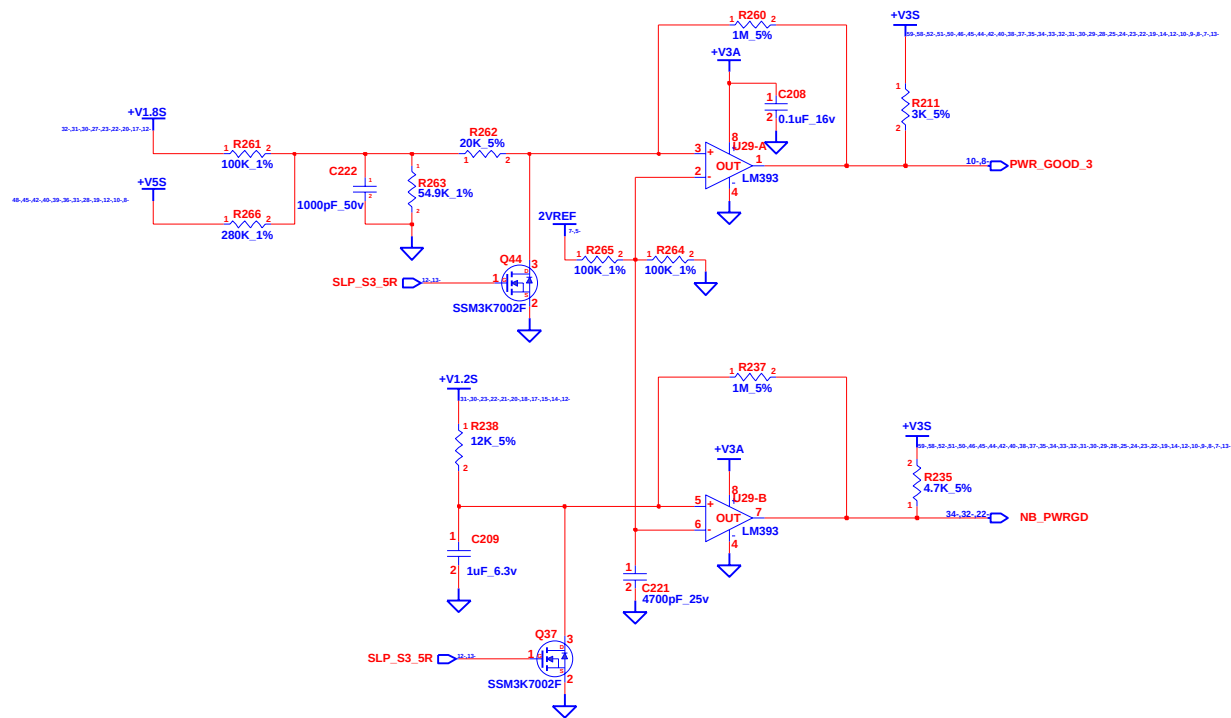
NOTE: DDR2 REGULATOR

INVENTEC

TITLE TT1.0 DDR2 POWER			
SIZE A3	CODE CS	DOC. NUMBER I310A21421-0	REV A02
SHEET 11		OF 61	

CHANGE by *Jimmy song* 2-Mar-2007



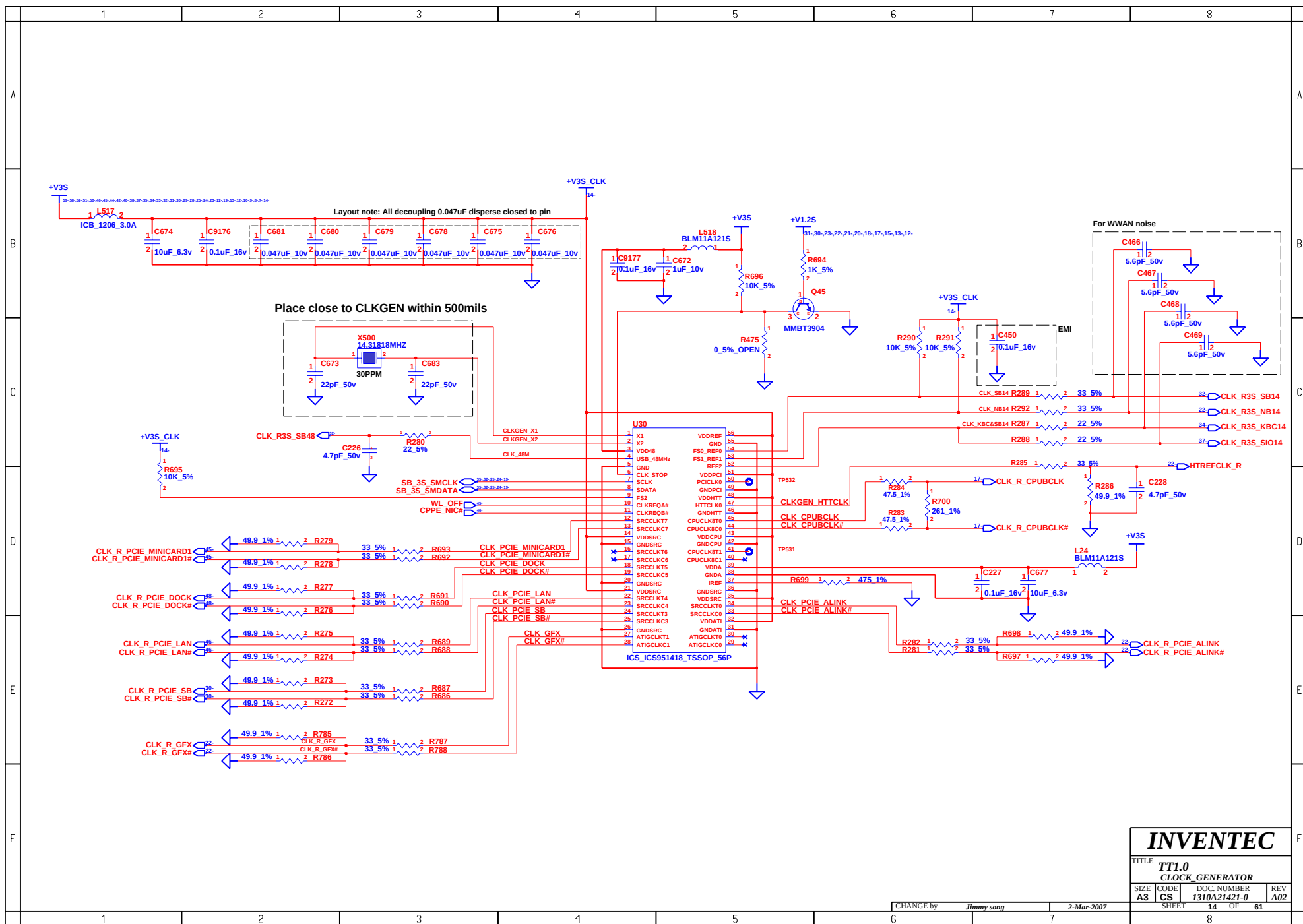


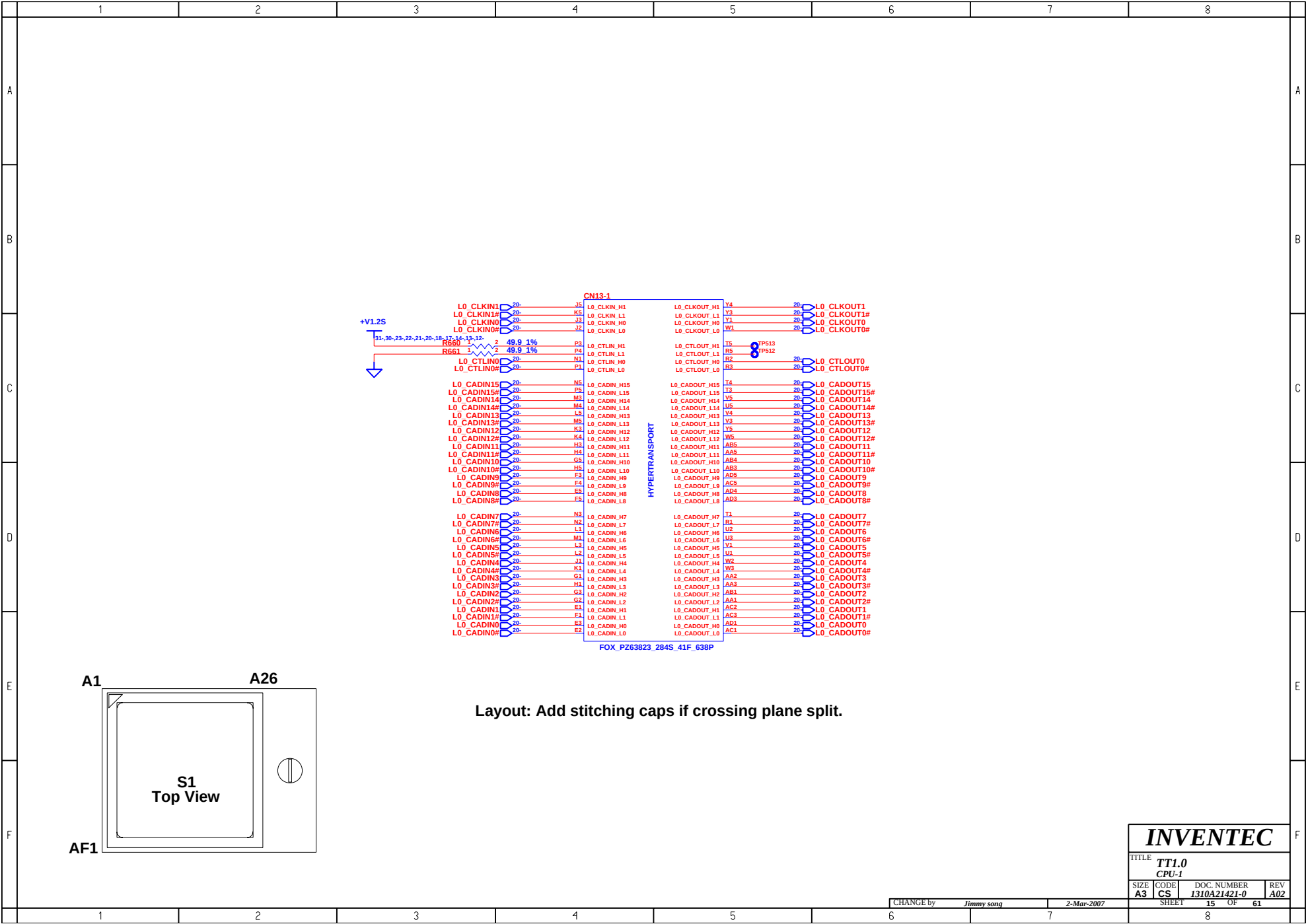
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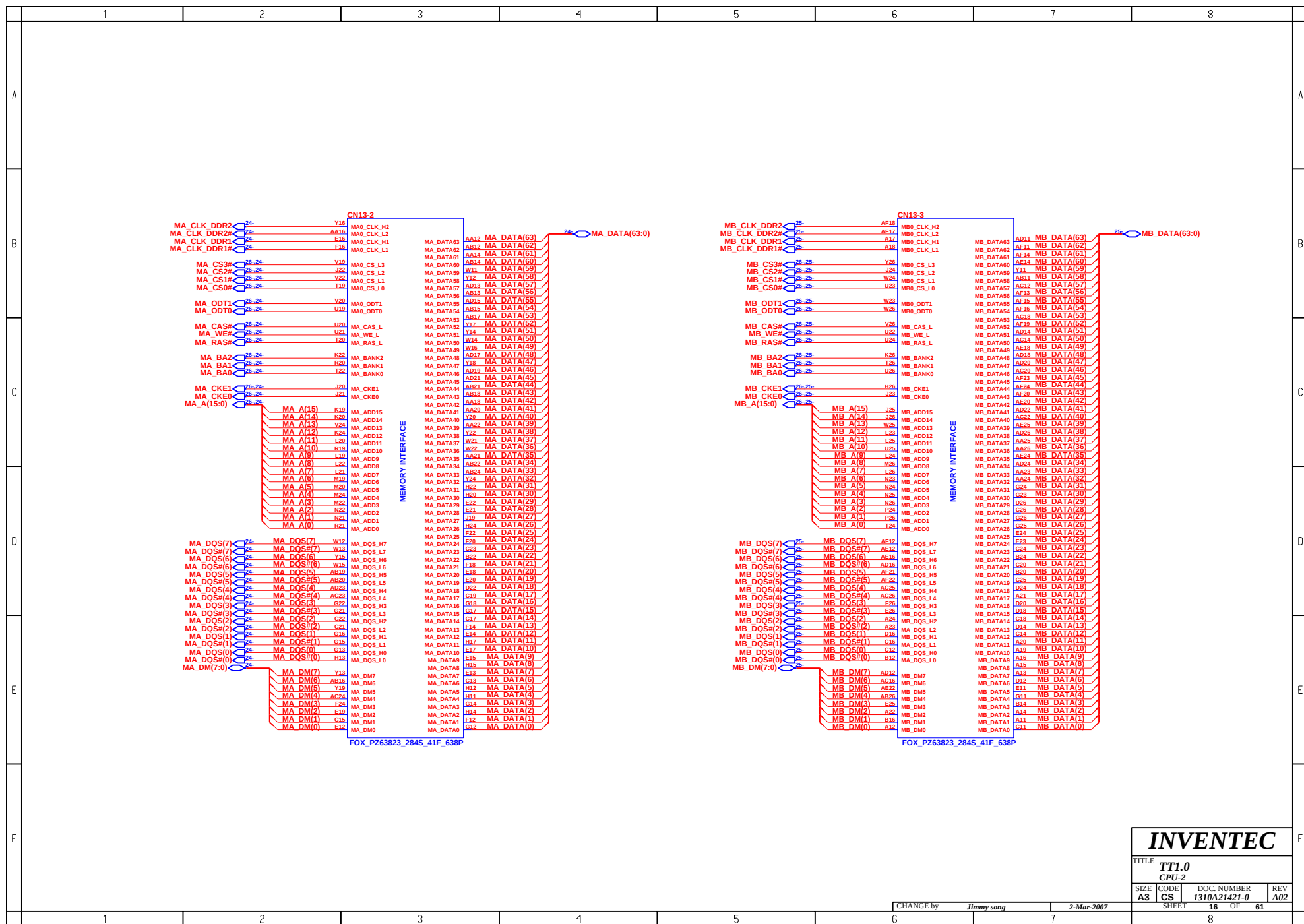
TITLE			
TT1.0			
POWER(Sequence)			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310A21421-0	A02

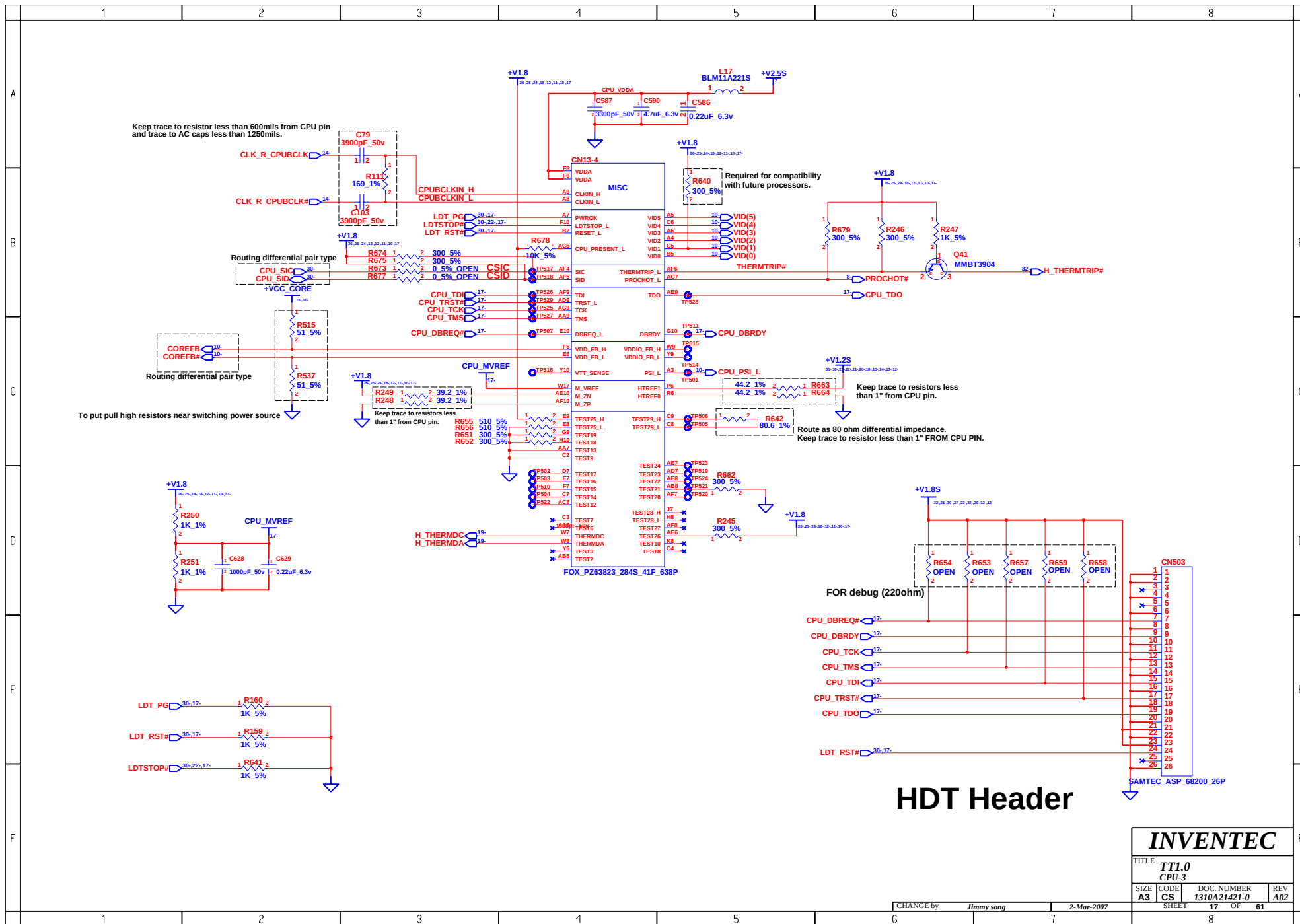
CHANGE by Jimmy song 2-Mar-2007

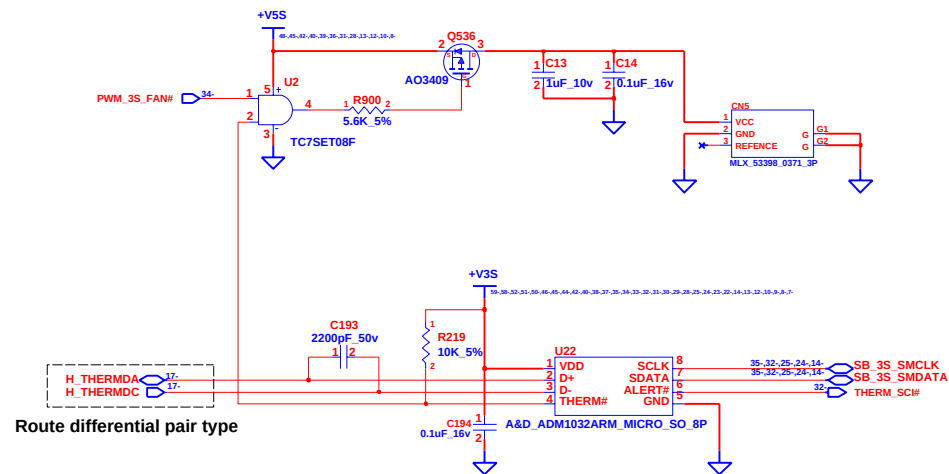
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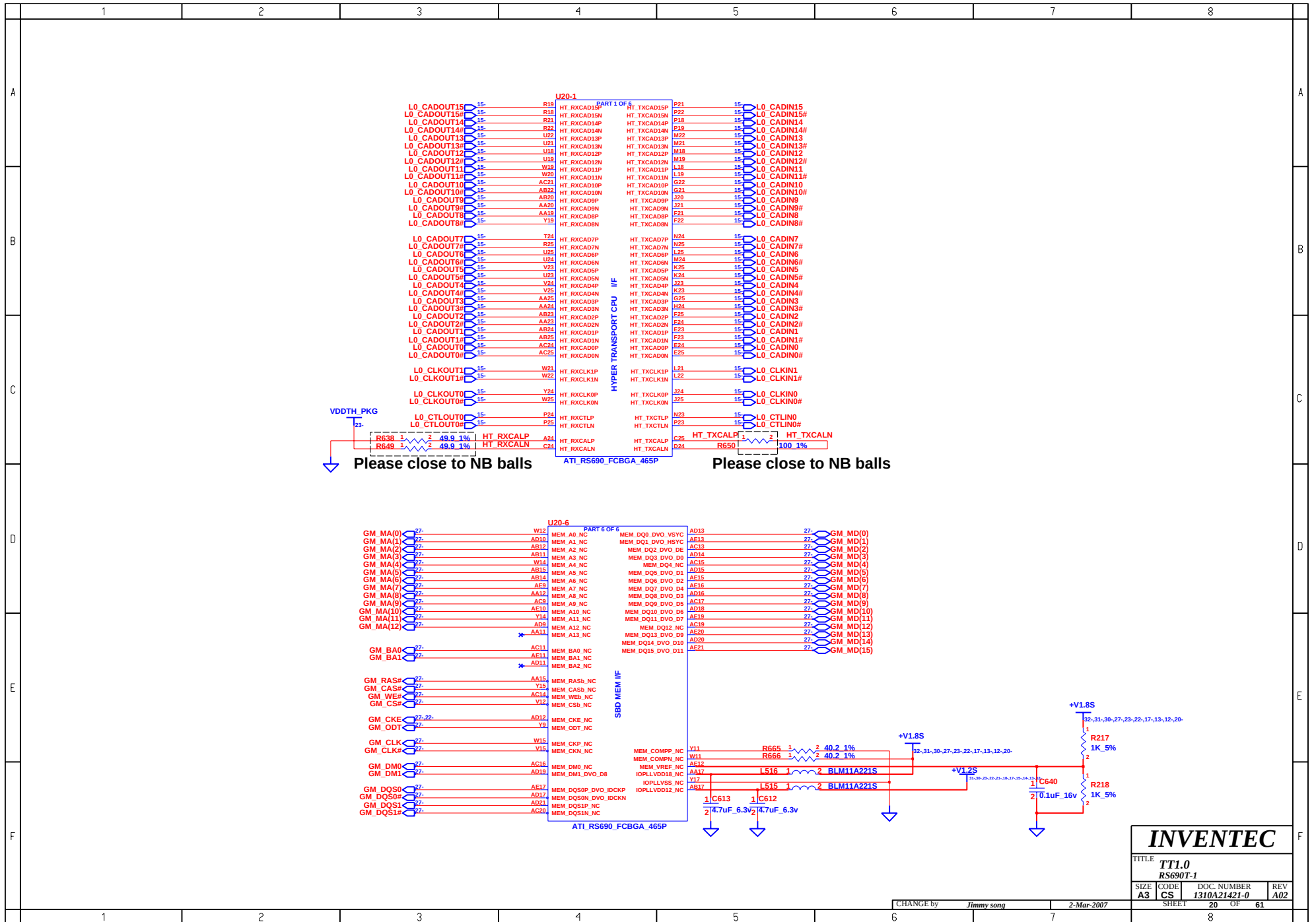


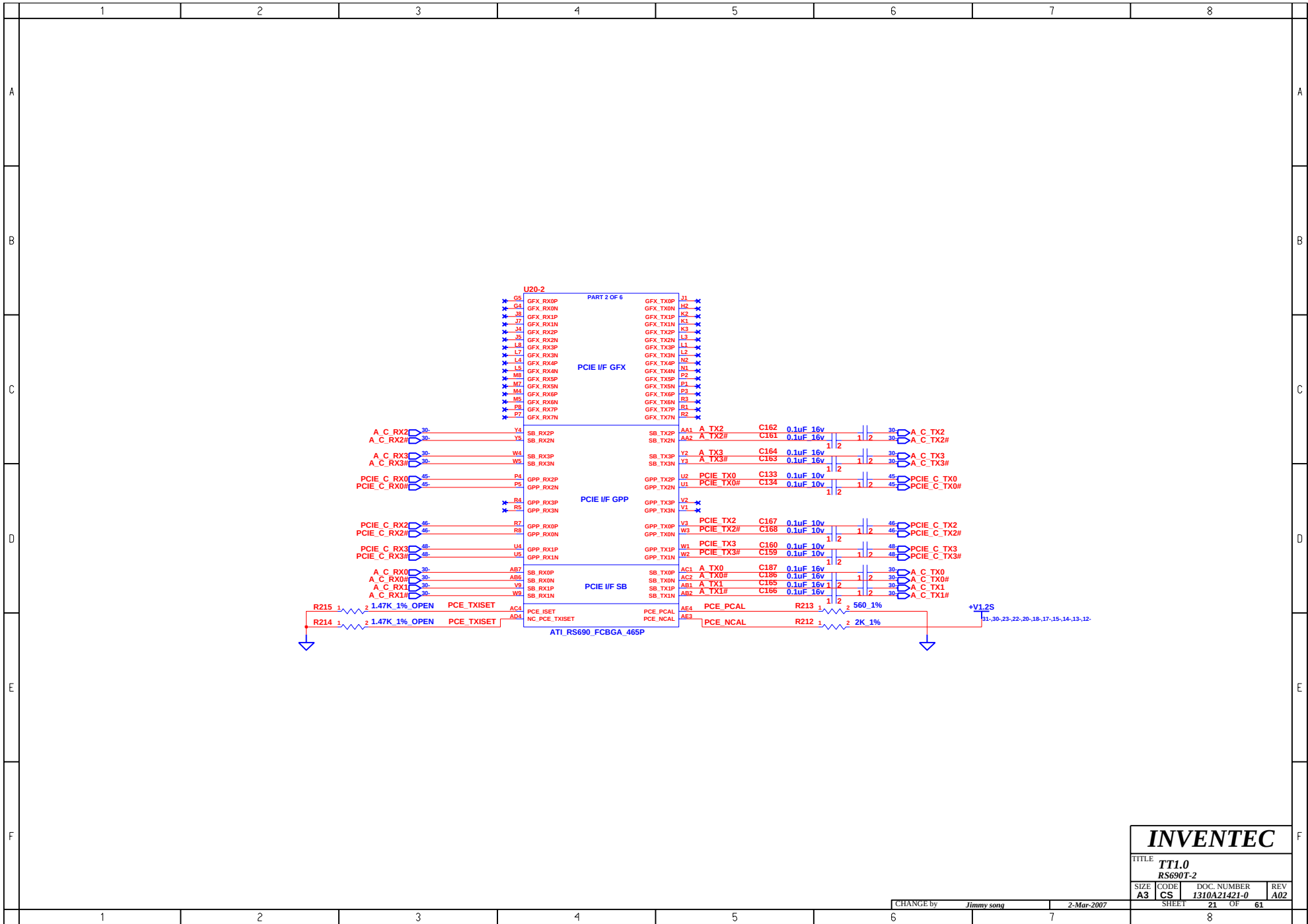


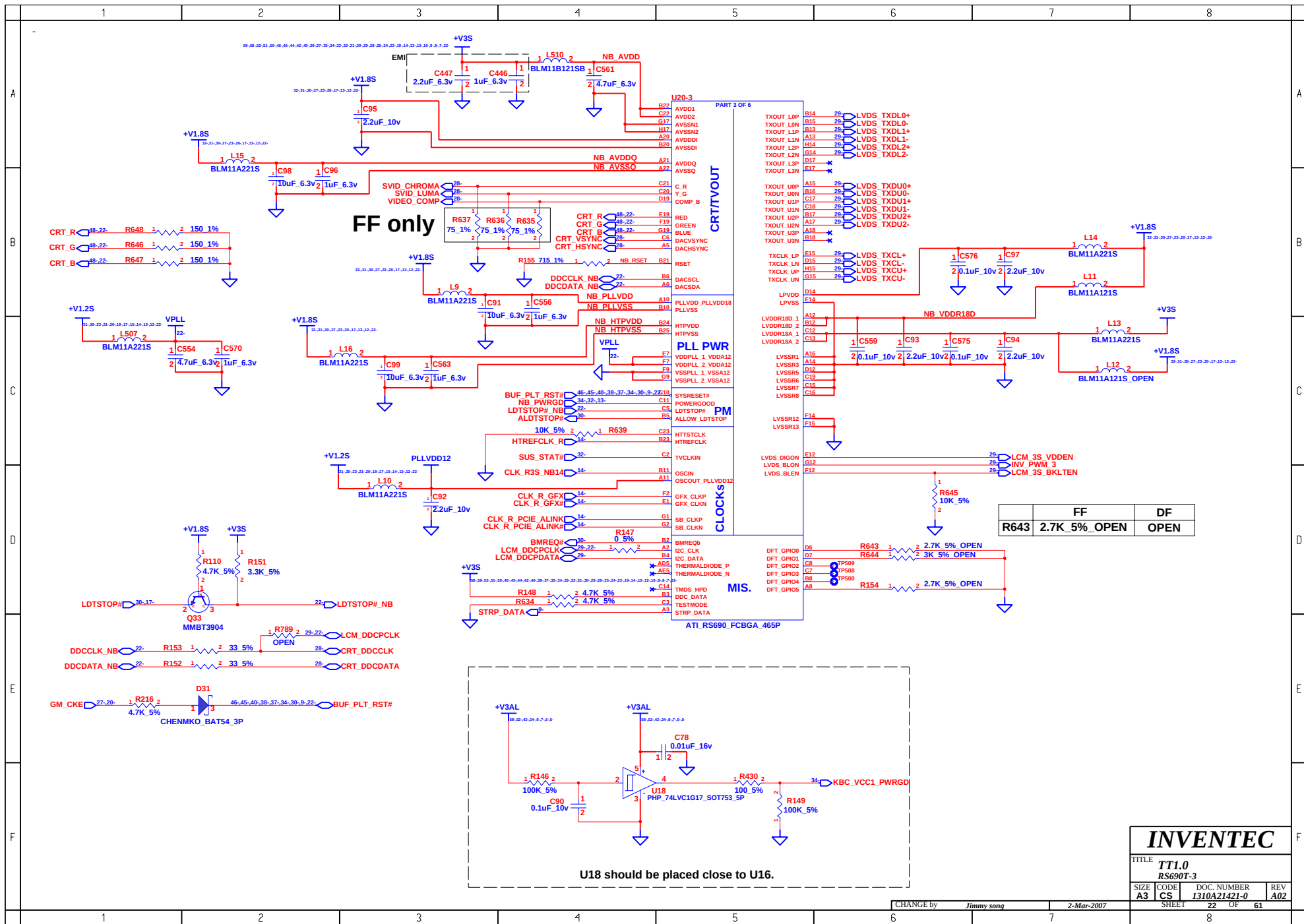


LAYOUT Note: Put the thermal sensor close to CPU.

INVENTEC			
TITLE			
TT1.0			
THERMAL&FAN CONTROLLER			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A21421-0	A02
CHANGE by		2-Mar-2007	
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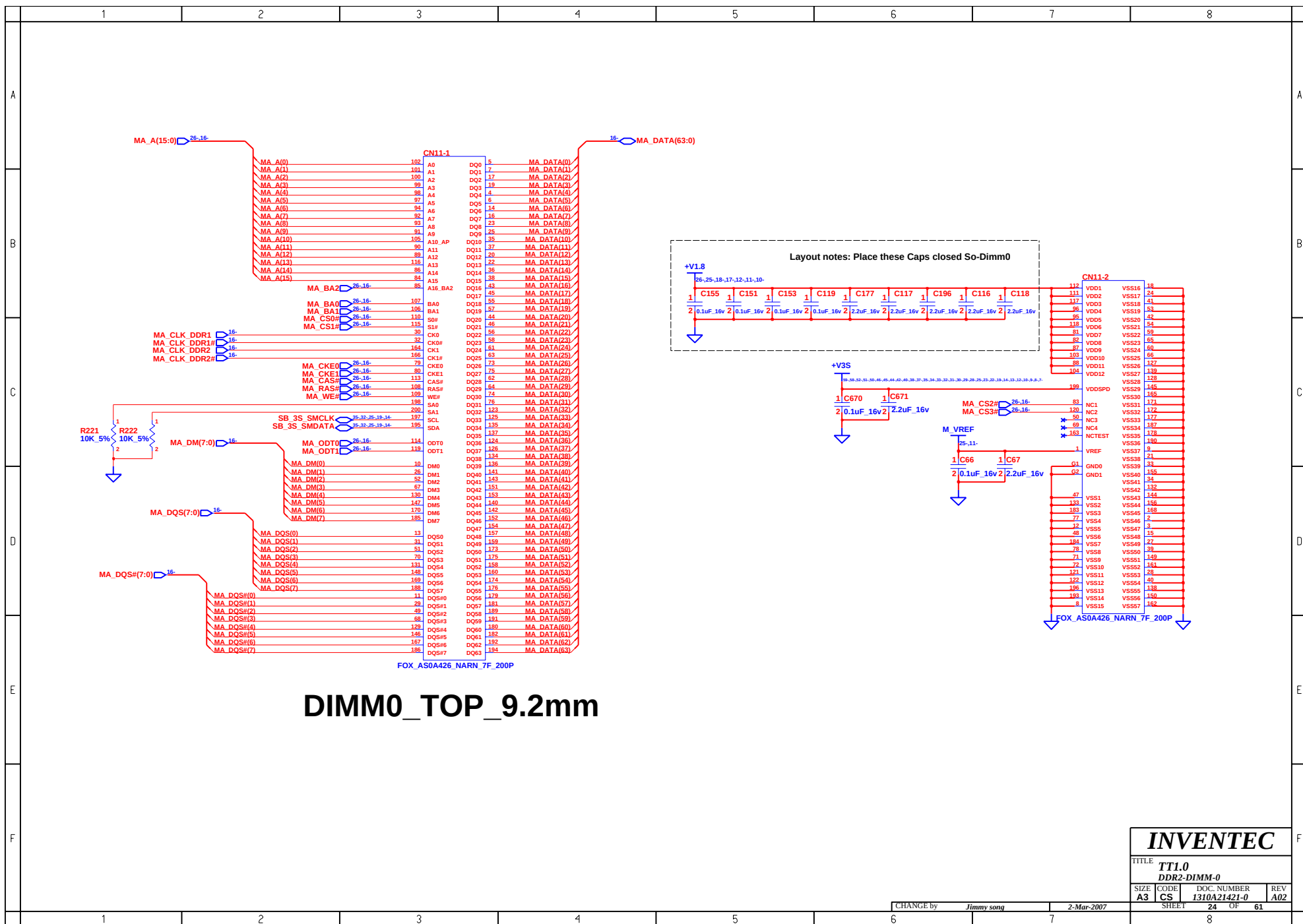


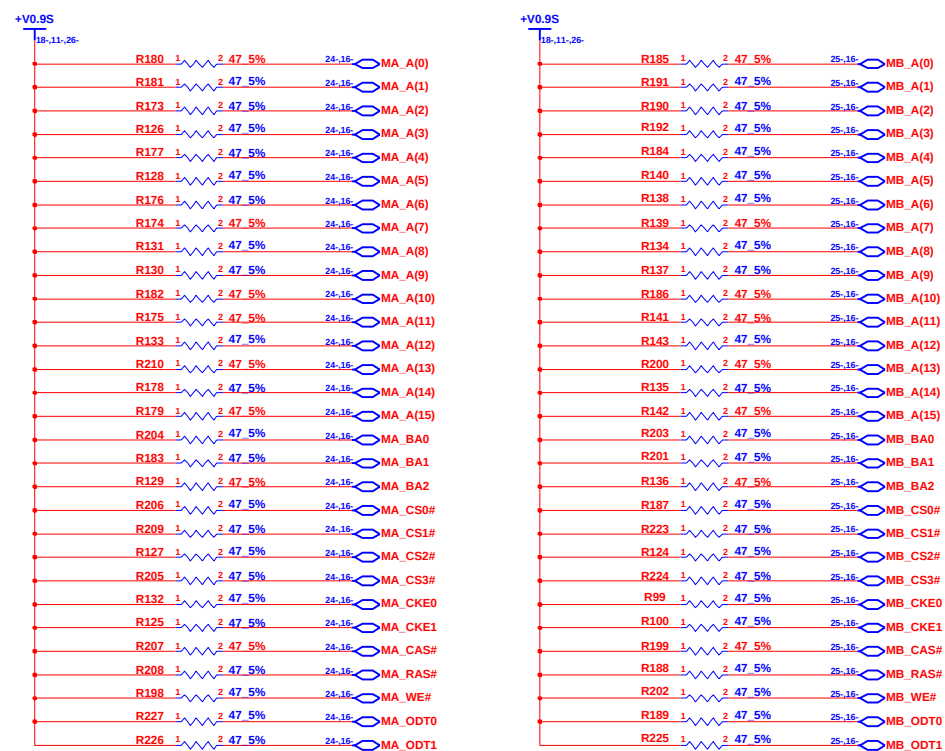
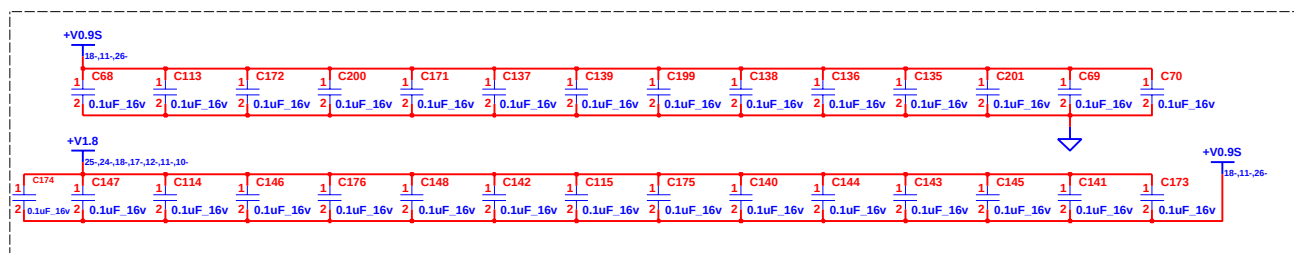


INVENTEC

TITLE			
TT1.0			
RS690T-3			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310A21421-0	A02
SHEET		22	OF 61

CHANGE by Jimmy song 2-Mar-2007





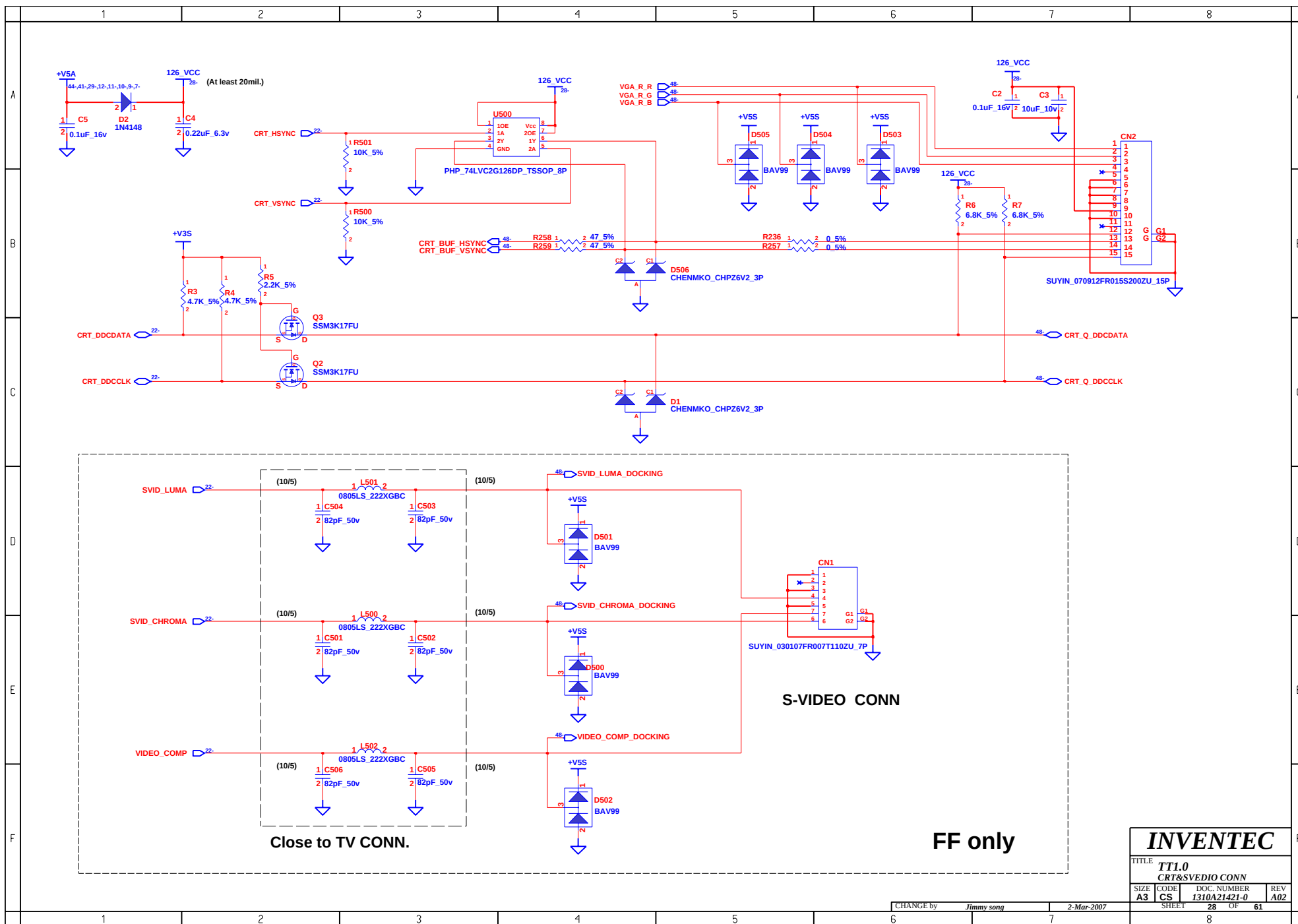
INVENTEC

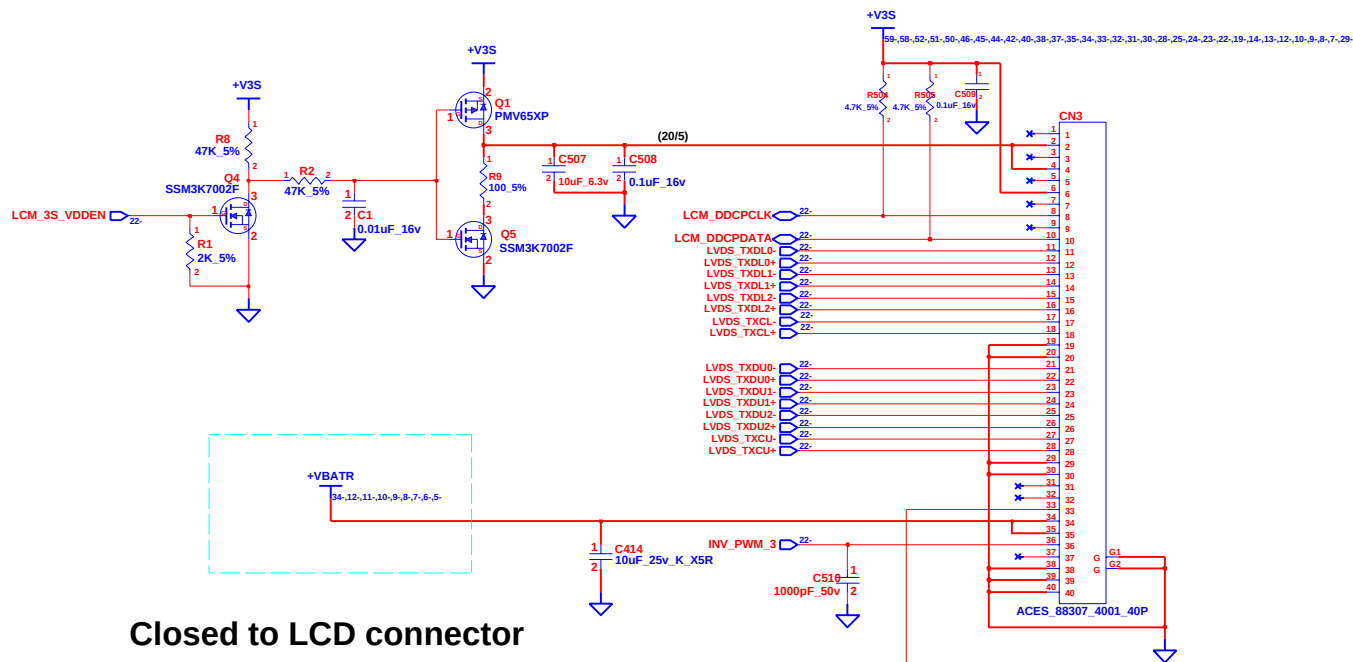
TITLE	<i>TT1.0</i> <i>DDR2-DAMPING</i>
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DDR2-DAMPING			
SIZE A3	CODE CS	DOC. NUMBER 1310A21421-0	REV A02
SHEET 26 OF 61			

CHANGE by	<i>Jimmy song</i>	2-Mar-2007
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CS 1310A21421-0
SHEET 26 OF 61





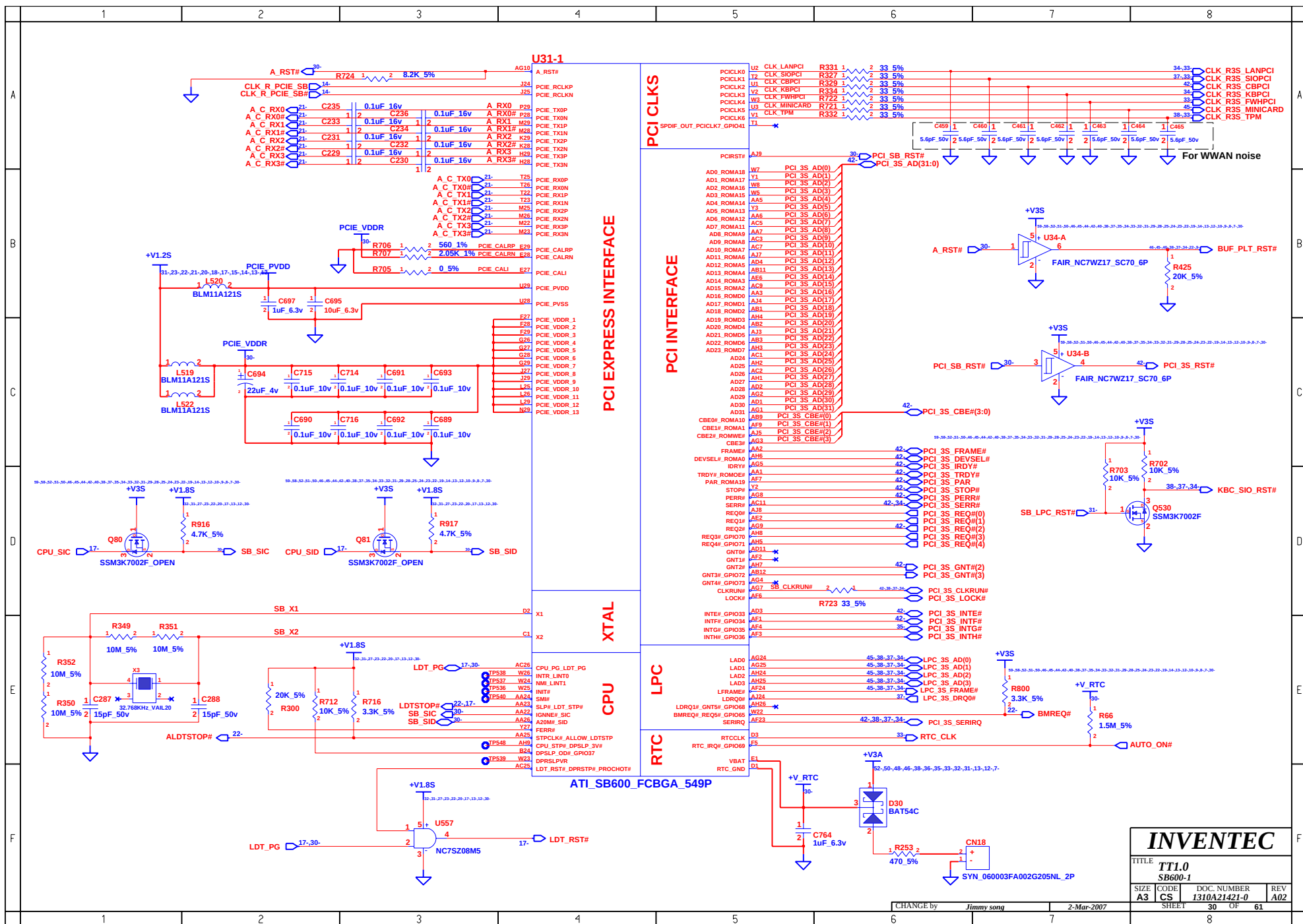
Closed to LCD connector

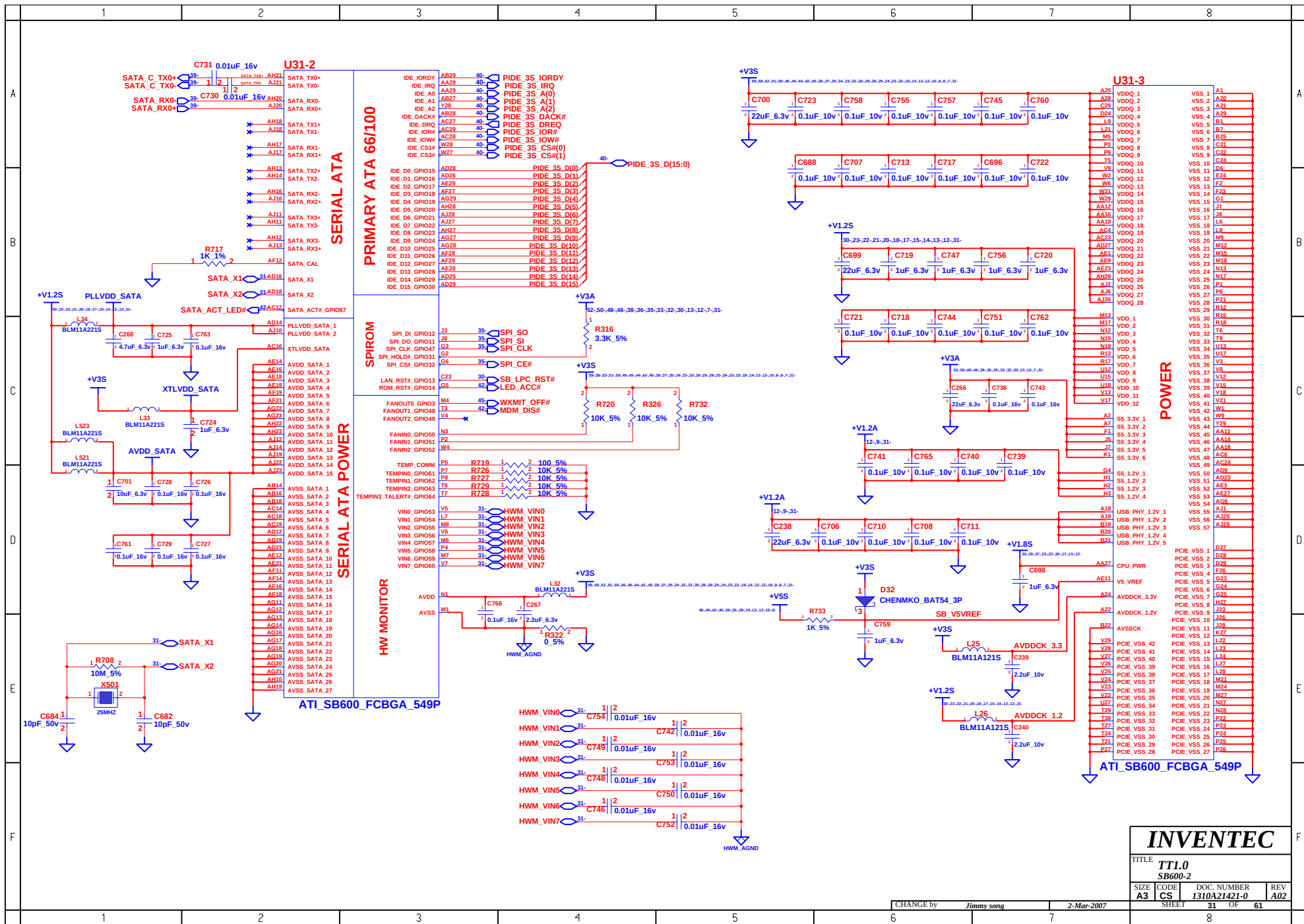
INVENTEC

TITLE TT1.0 LCD CONN			
SIZE A3	CODE CS	DOC. NUMBER I310A21421-0	REV A02

CHANGE by *Jimmy song* 2-Mar-2007

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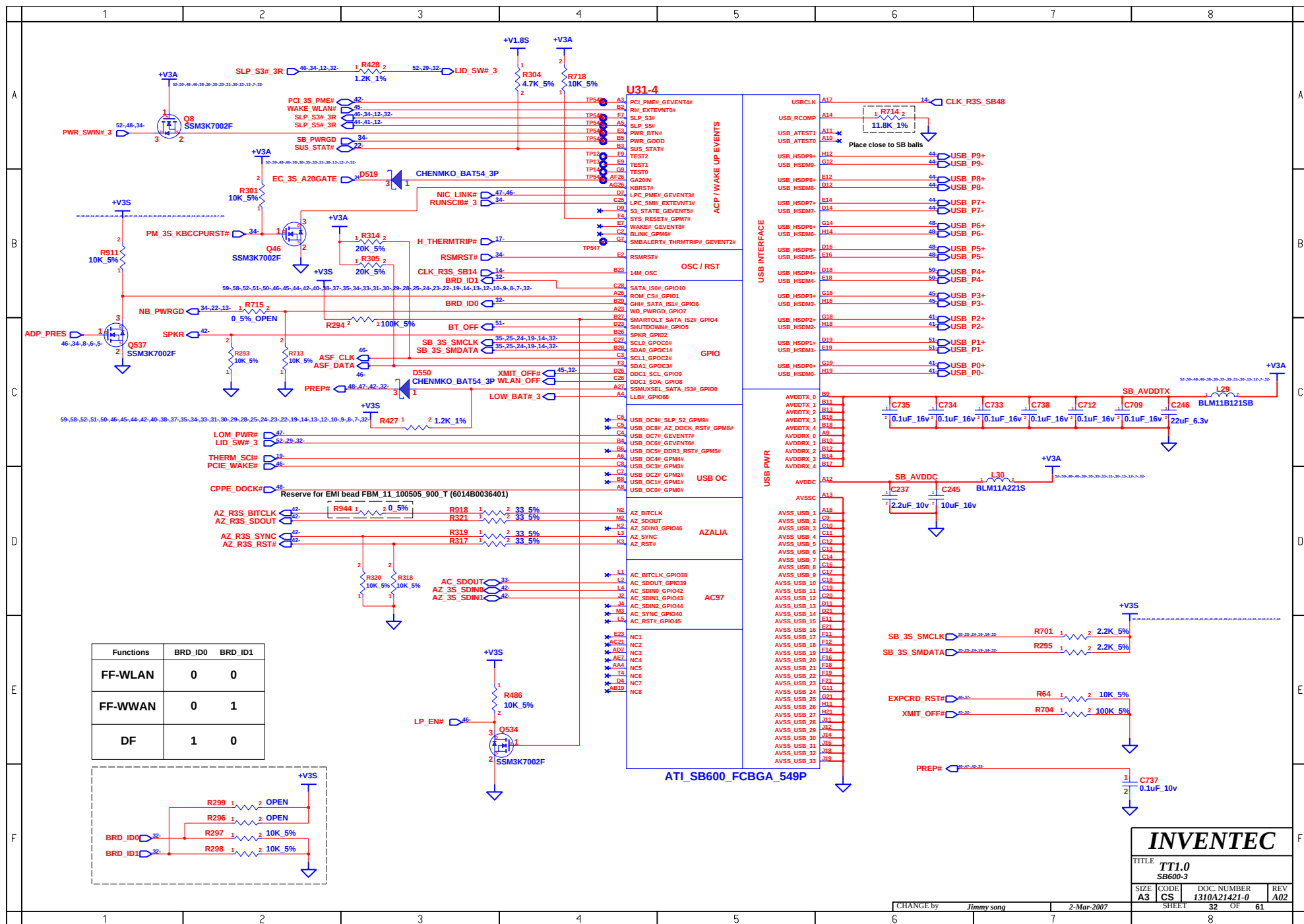




INVENTEC

TITLE TT1.0 SB600-2			
SIZE A3	CODE CS	DOC. NUMBER 1310A21421-0	REV A02
SHEET 31		OF 61	

CHANGE by Jimmy song 2-Mar-2007



	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	

Required Straps:

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

RTC_CLK

30-

R315

1

2

10K

5%

+V3A

32-,30-,48-,46-,38-,36-,29-,22-,21-,20-,13-,12-,7-

CLK_R3S_TPM

38-,30-

R333

1

2

10K

5%

CLK_R3S_LANPCI

34-,30-

R328

1

2

4.7K

5%

CLK_R3S_SIOPCI

37-,30-

R325

1

2

OPEN

R323

1

2

4.7K

5%

R330

1

2

OPEN

+V3S

38-,38-,32-,31-,30-,48-,46-,40-,40-,38-,37-,36-,34-,32-,31-,30-,29-,29-,24-,23-,19-,14-,13-,12-,9-,8-,7-

CLK_R3S_FWHPCI

30-

R731

1

2

10K

5%

AC_SDOUT

32-

R730

1

2

10K

5%

TITLE

TT1.0

SB600-4

SIZE

A3

CODE

CS

DOC. NUMBER

1310A21421-0

REV

A02

CHANGE by

Jimmy song

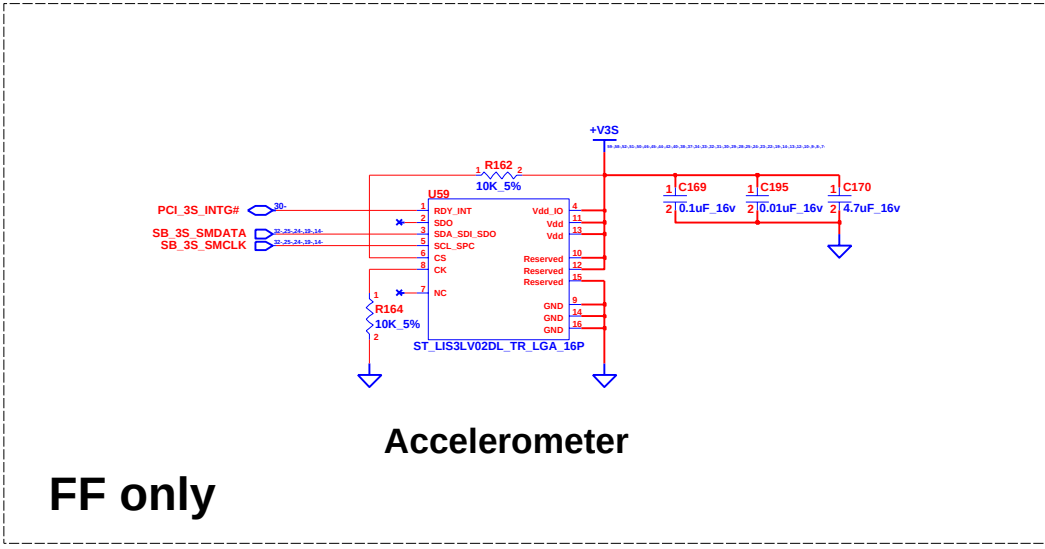
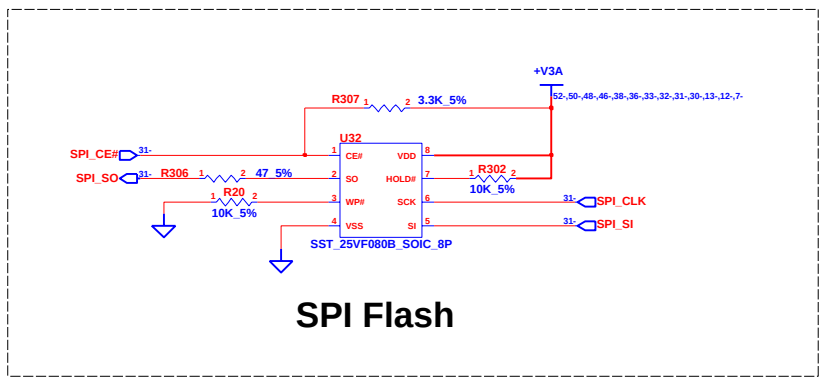
2-Mar-2007

SHEET

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61



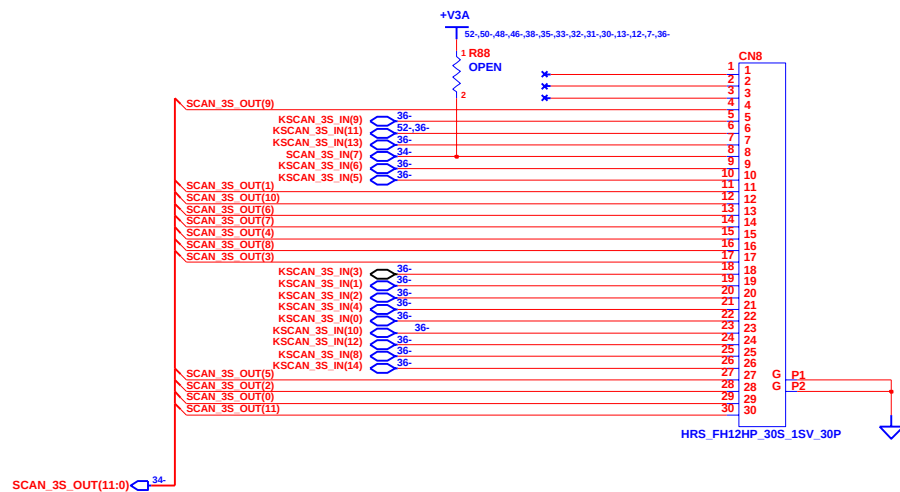
INVENTEC

TITLE			
TT1.0			
SPI & Accelerometer			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310A21421-0	A02

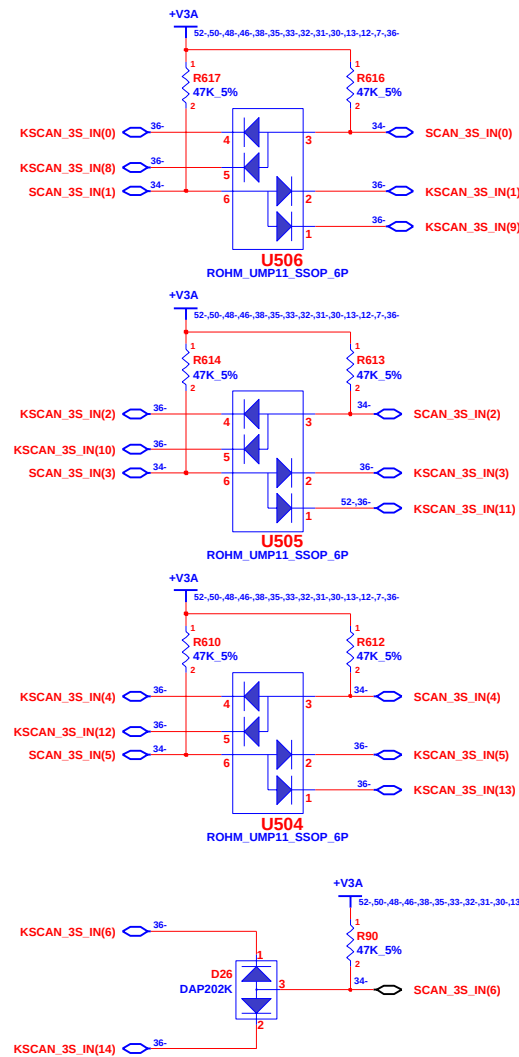
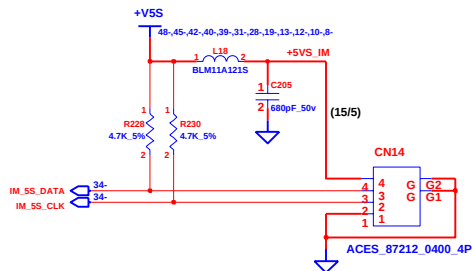
CHANGE by Jimmy song 2-Mar-2007

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Keyboard CONN



Touch Pad CONN

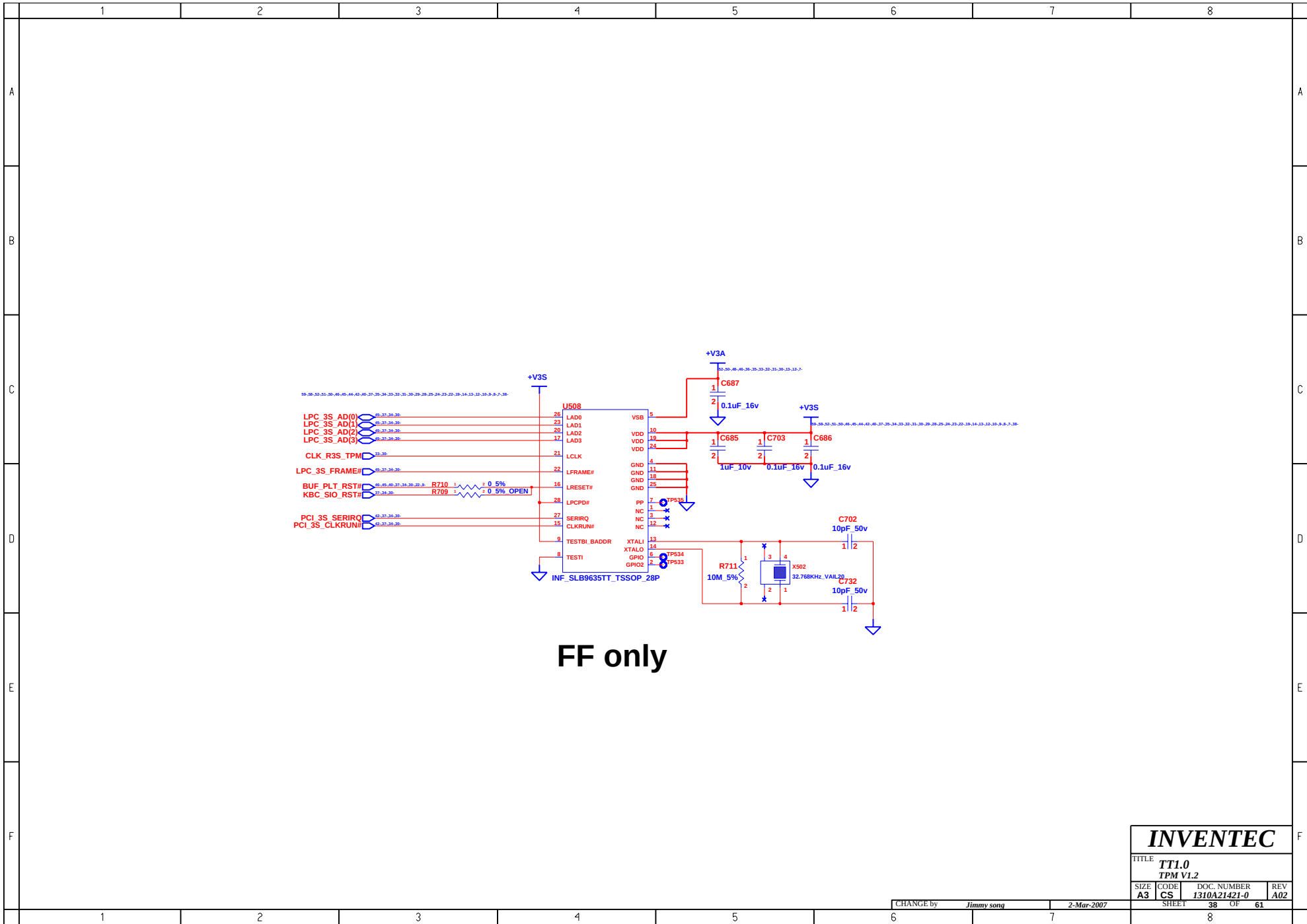


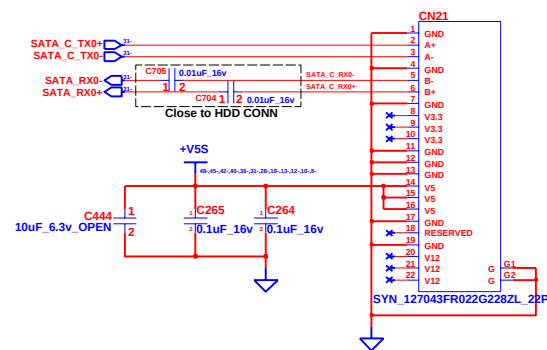
INVENTEC

TITLE			
TT1.0			
INT.KBC/POINT DEVICES			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310A21421-0	A02

CHANGE by Jimmy song 2-Mar-2007

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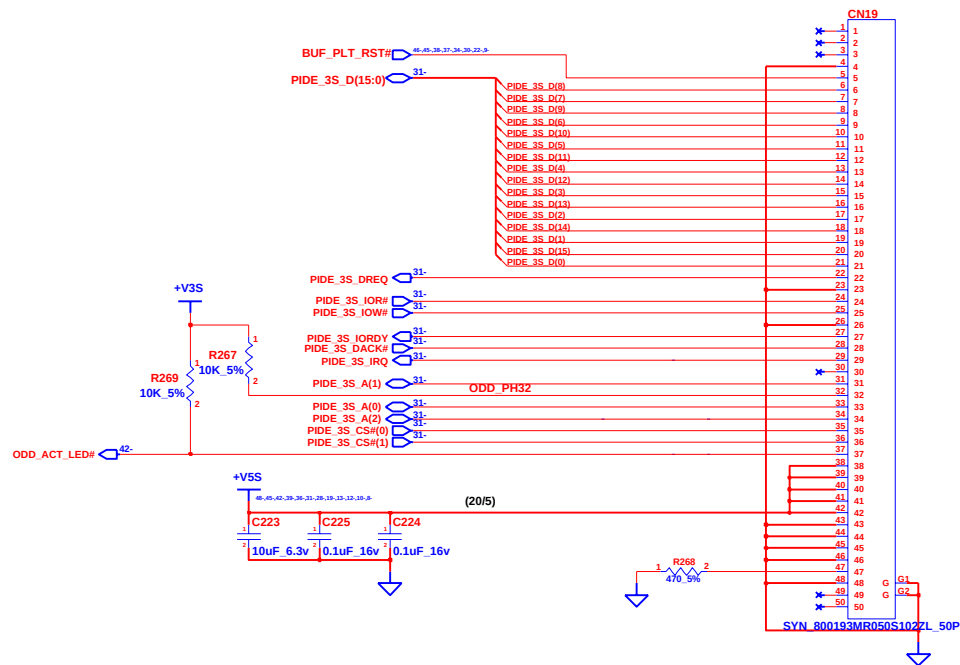
HDD CONN

INVENTEC

TITLE			
TT1.0			
SATA HDD CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A21421-0	A02

CHANGE by Jimmy song 2-Mar-2007

SHEET 39 OF 61



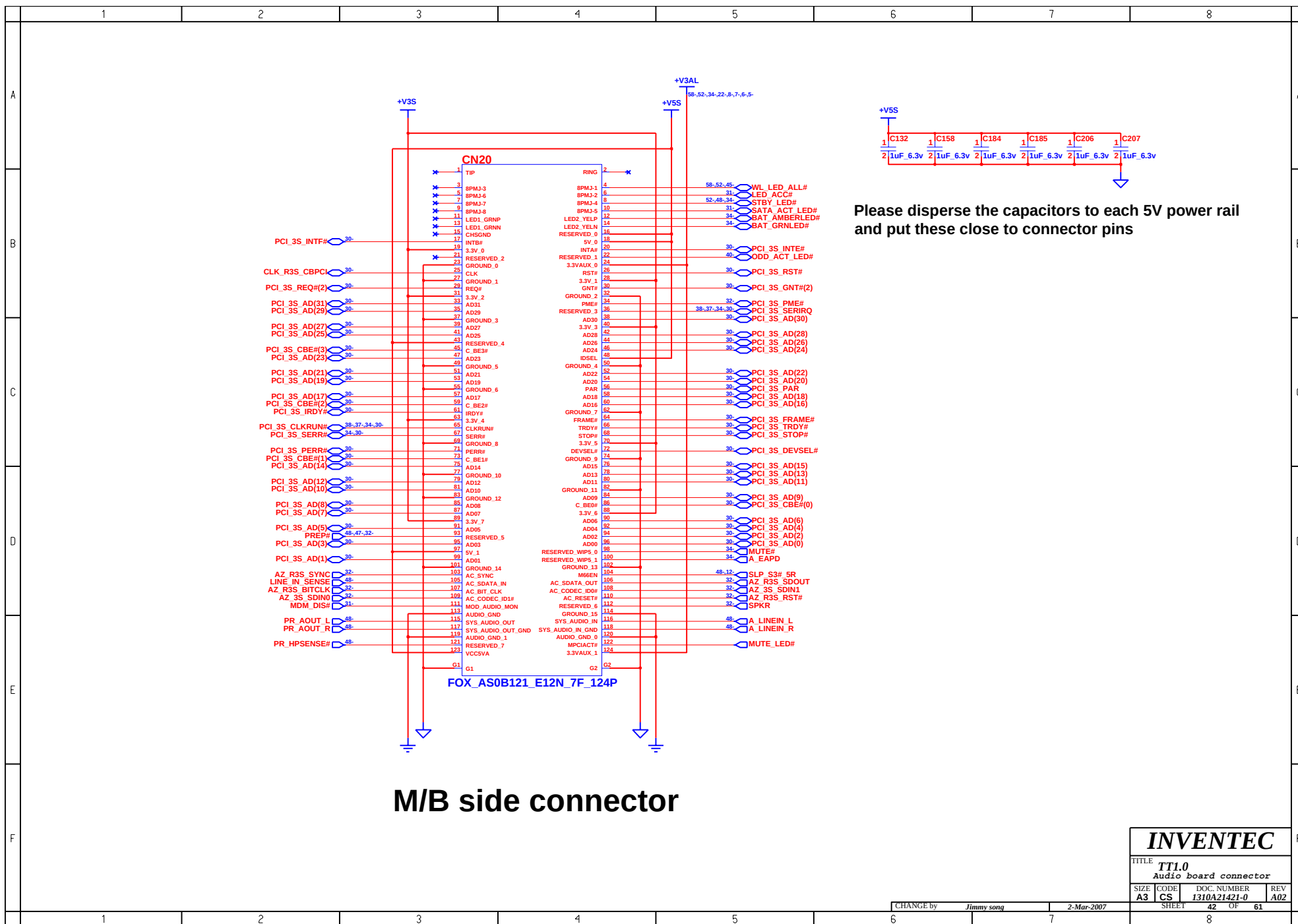
14" ODD CONN.

INVENTEC

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

CHANGE by Jimmy song 2-Mar-2007

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INVENTEC

TITLE **TT1.0**
Audio board connector

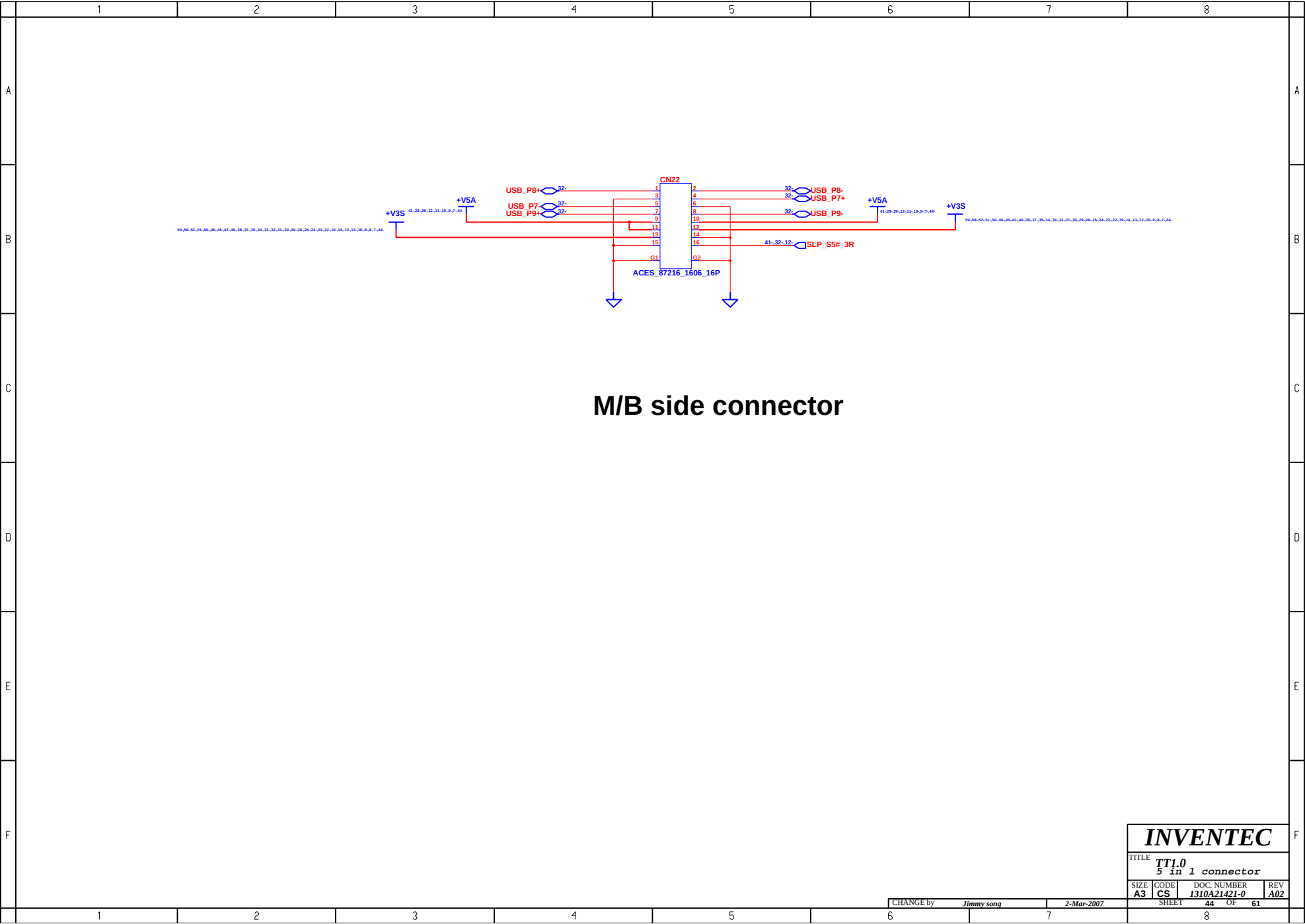
SIZE CODE DOC. NUMBER REV
A3 CS 1310A21421-0 A02

CHANGE by Jimmy song 2-Mar-2007

SHEET 42 OF 61

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

INVENTEC			
TITLE TT1.0 BLANK			
SIZE A3	CODE CS	DOC. NUMBER 1310A21421-0	REV A02
CHANGE by Jimmy song		2-Mar-2007	
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INVENTEC

TITLE
**TT1.0
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)

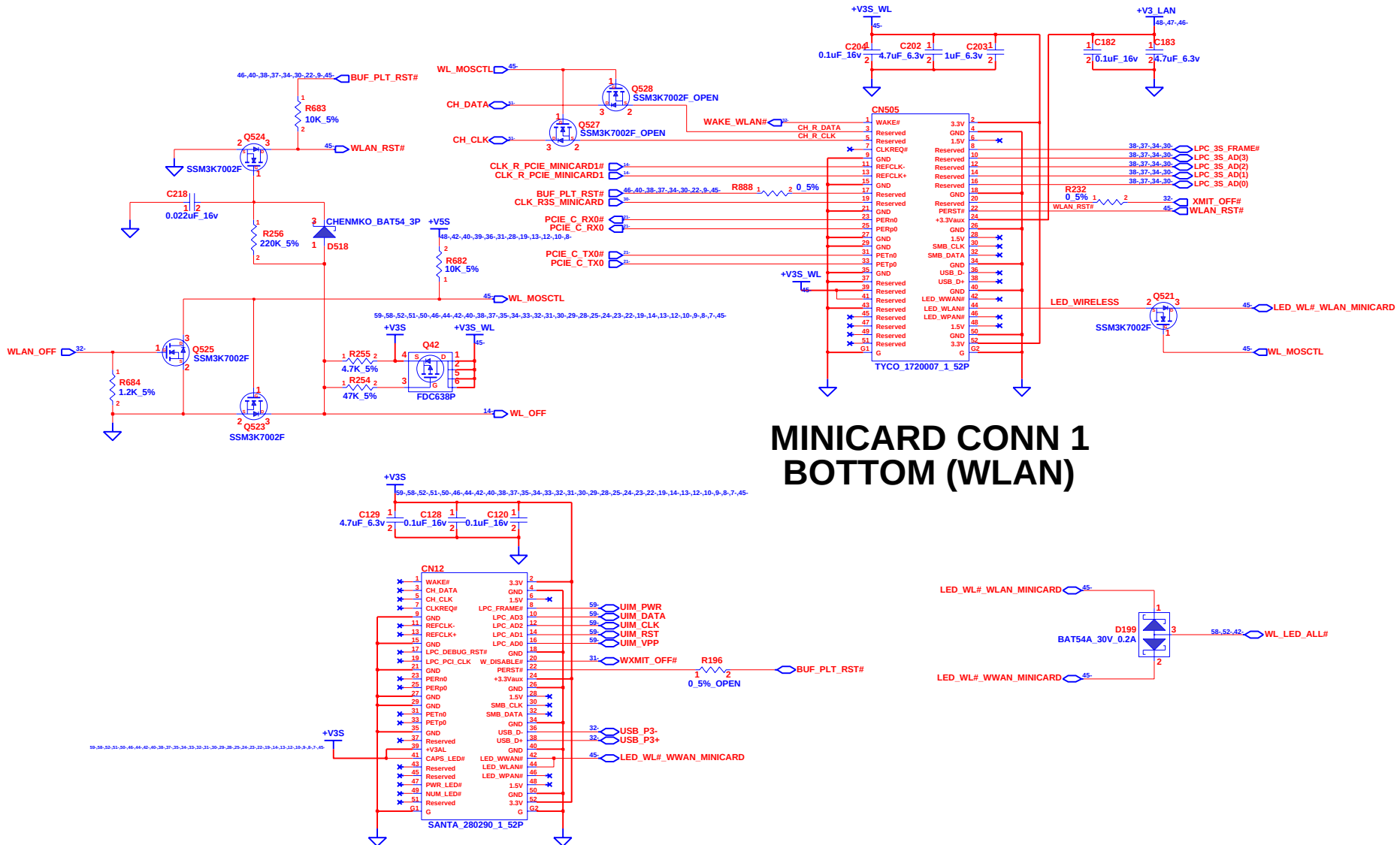
MINICARD CONN2 TOP TOP (WWAN)

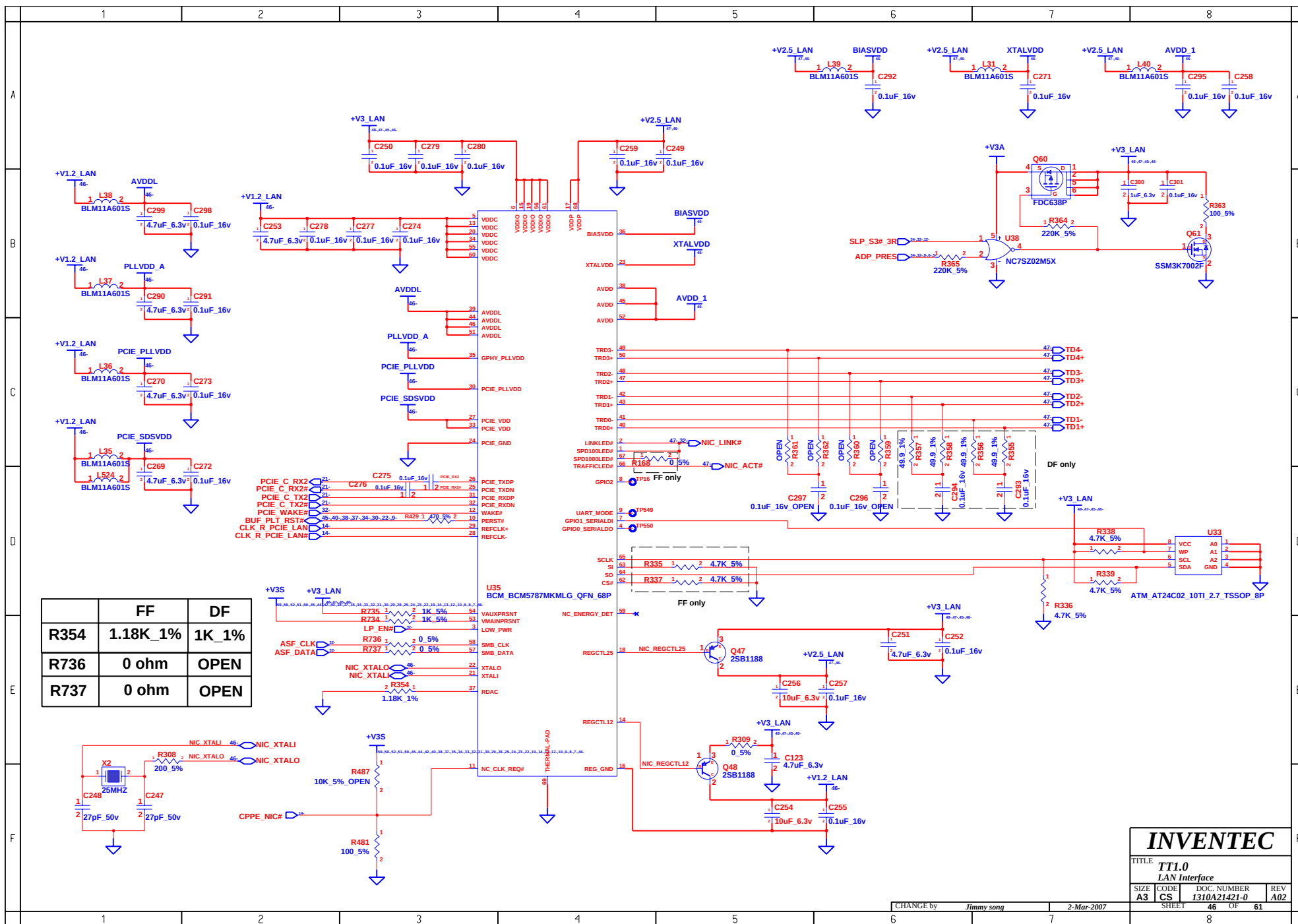
INVENTEC

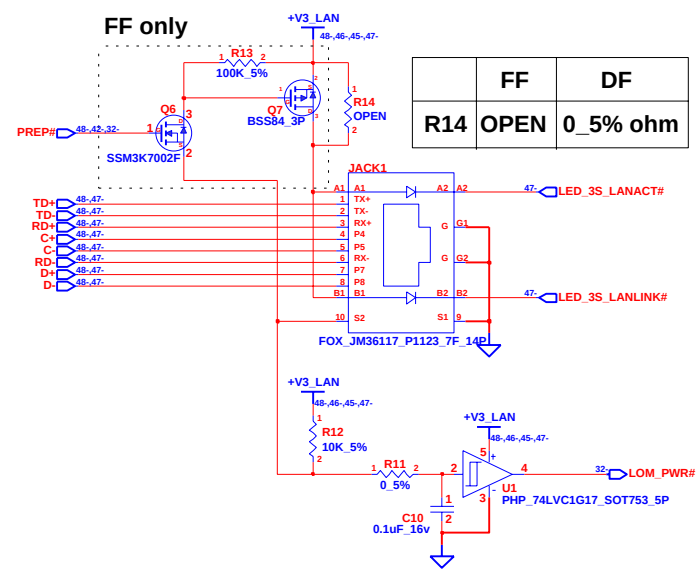
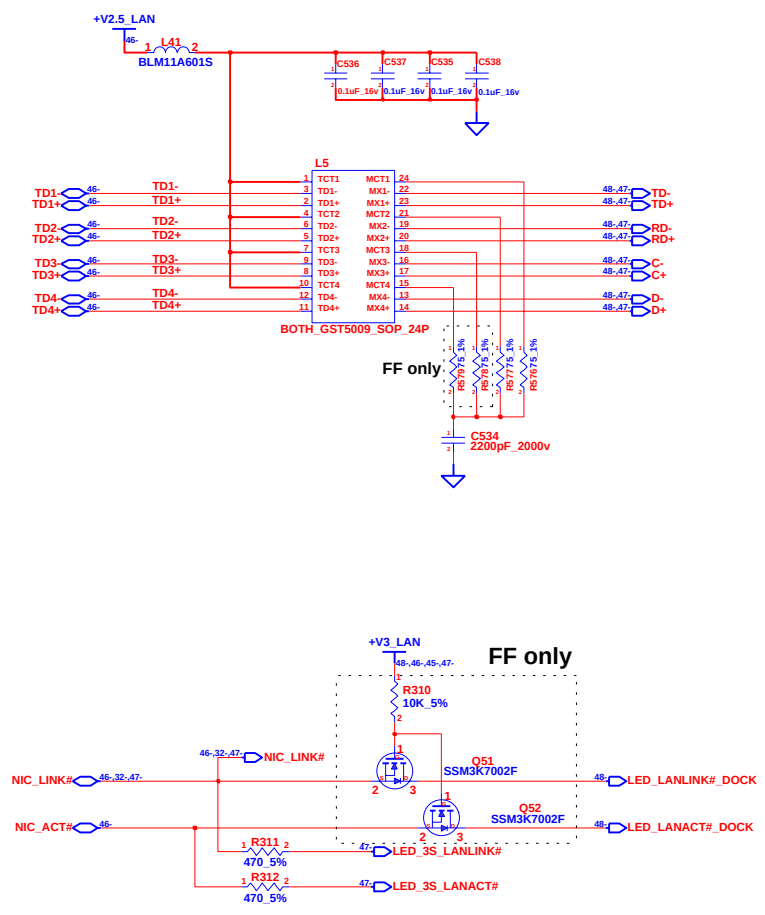
TITLE			
TT1.0			
MINICARD			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310A21421-0	A02

CHANGE by Jimmy song 2-Mar-2007

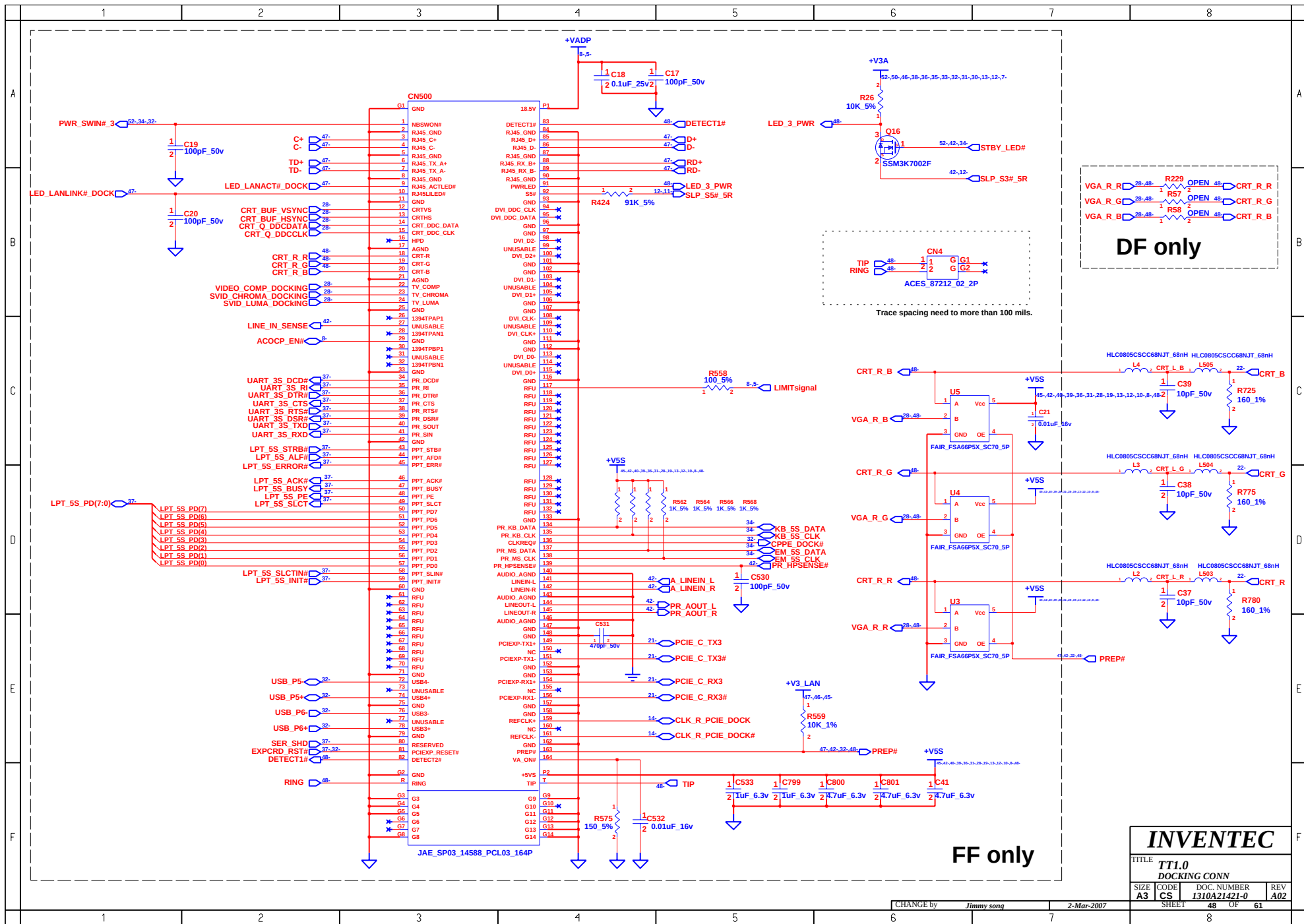
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INVENTEC			
TT1.0 LAN RJ45 CONN			
SIZE A3	CODE CS	DOC. NUMBER 1310A21421-0	REV A02
CHANGE by Jimmy song		2-Mar-2007	
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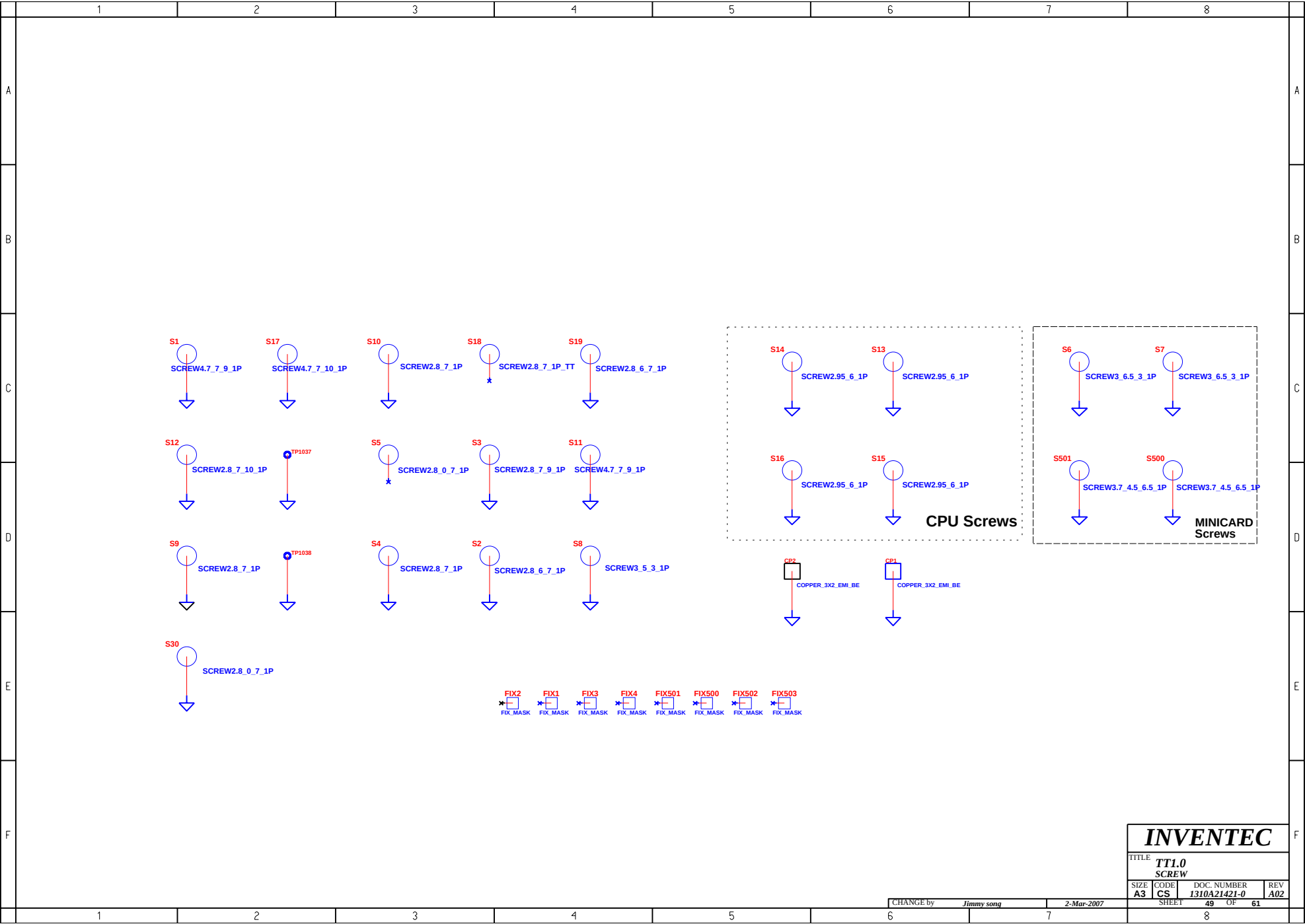
DF only

FF only

INVENTEC

TITLE			
TT1.0 DOCKING CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A21421-0	A02
SHEET		48	OF 61

CHANGE by Jimmy song 2-Mar-2007

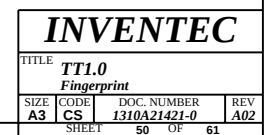


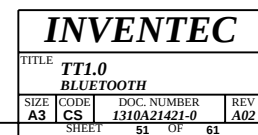
INVENTEC

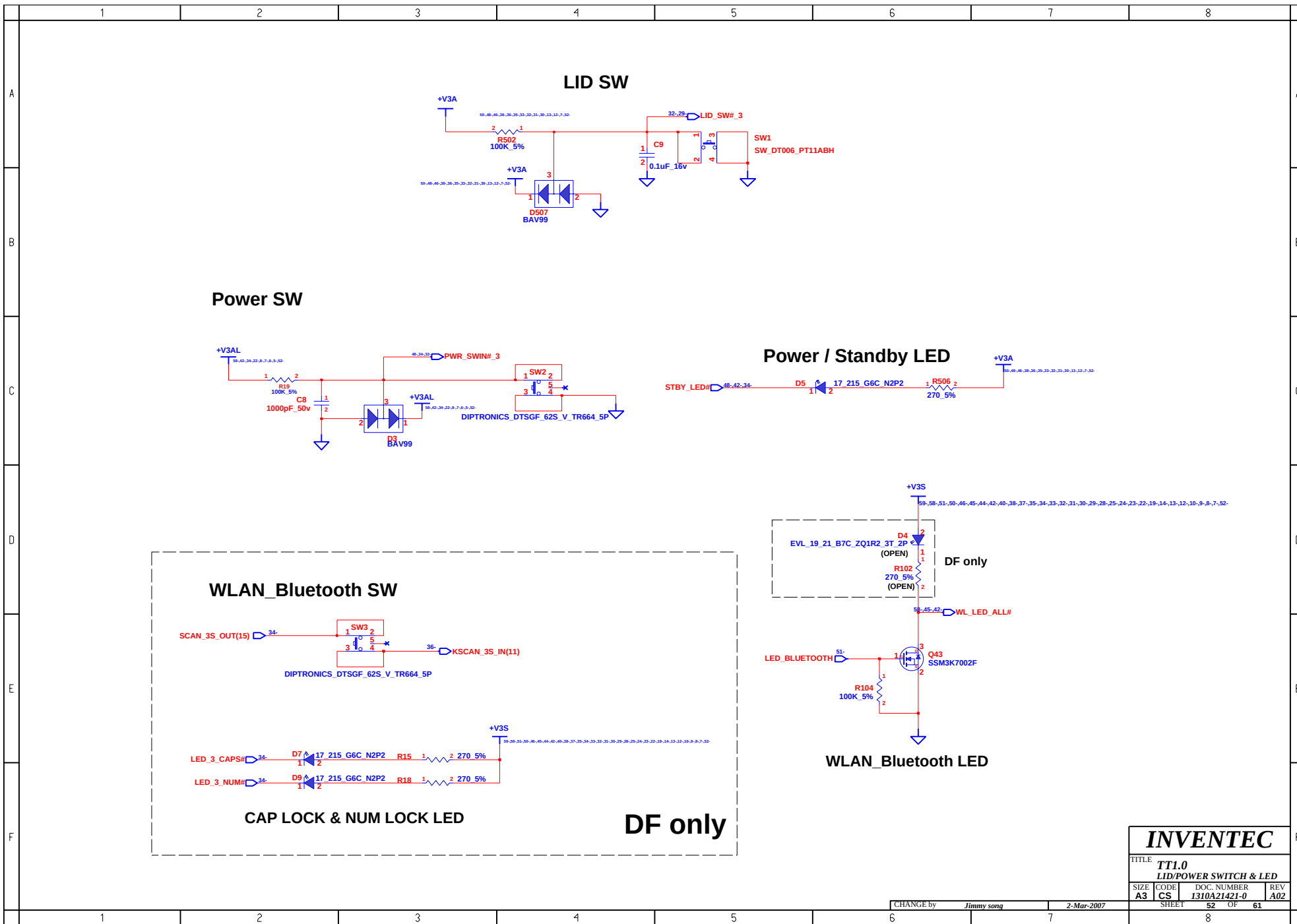
TITLE			
TT1.0			
SCREW			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310A21421-0	A02

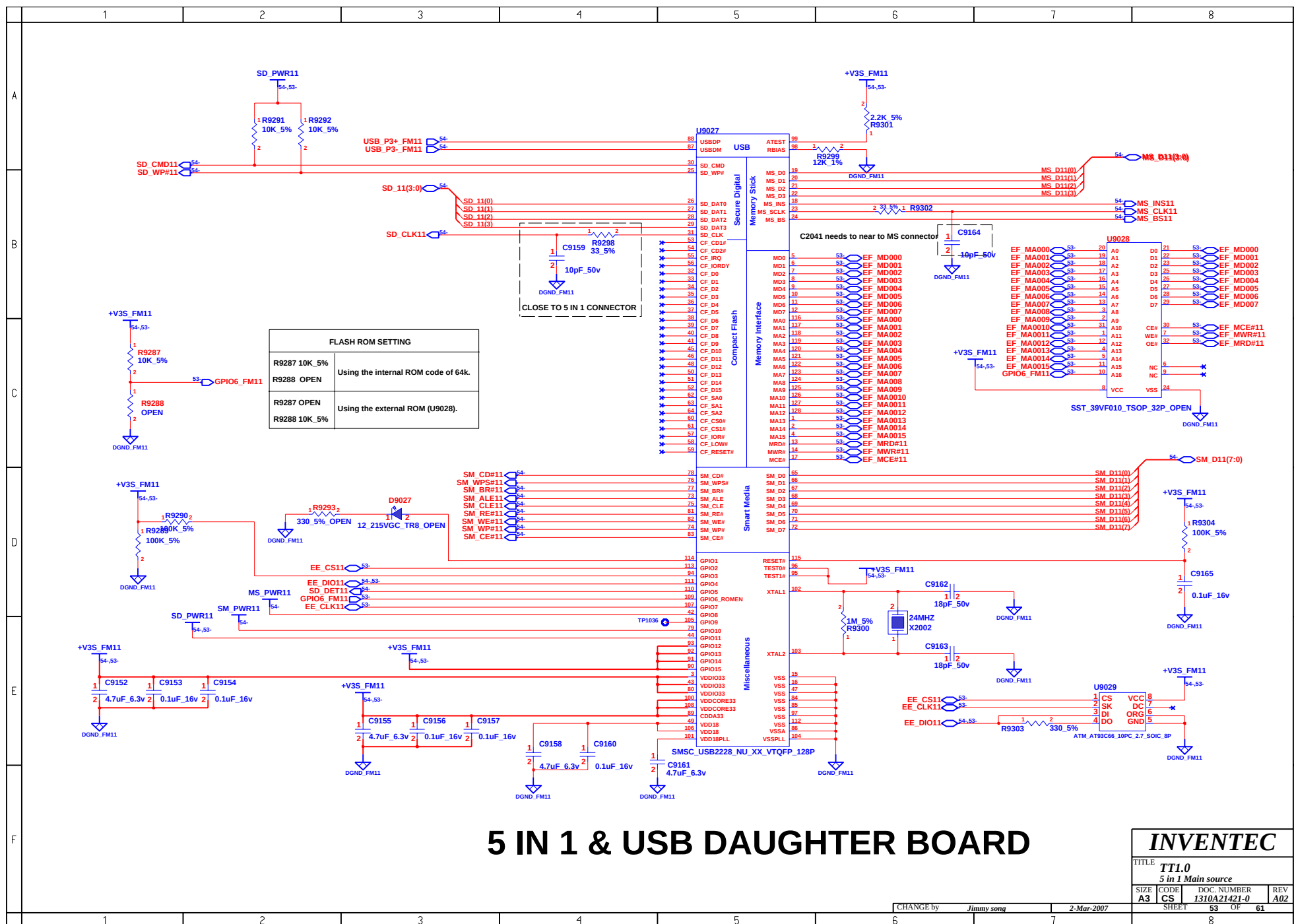
CHANGE by Jimmy song 2-Mar-2007

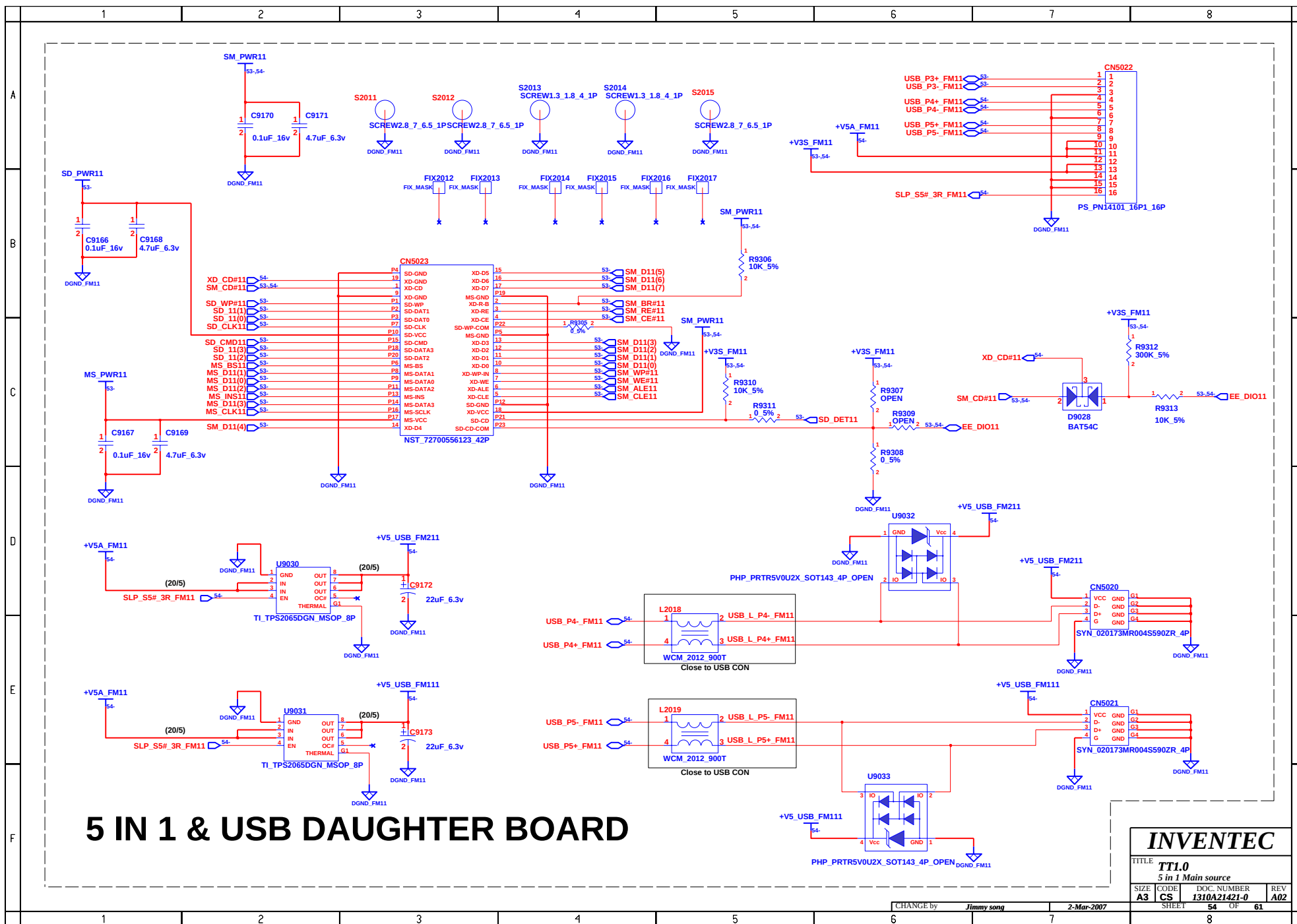
SHEET 49 OF 61











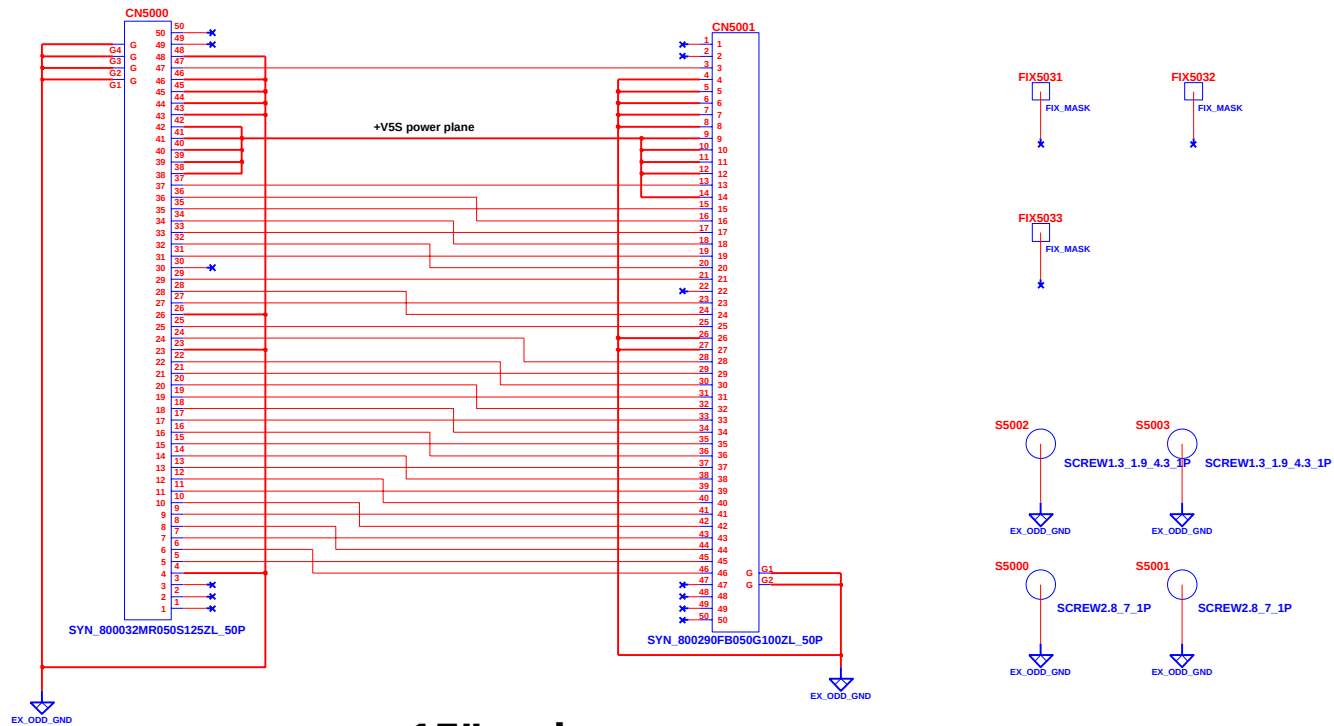


TITLE			
TT1.0 <i>Finger Print board</i>			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A21421-0	A02
SHEET		55	OF 61

CHANGE by	<i>Jimmy song</i>	2-Mar-2007
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	1	2	3	4	5	6	7	8	
A	BLANK								A
B									B
C									C
D									D
E									E
F									F
	1	2	3	4	5	6	7	8	

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



15" only

ODD Extension Board

INVENTEC			
TITLE TT1.0 ODD extension board			
SIZE A3	CODE CS	DOC. NUMBER 1310A21421-0	REV A02
CHANGE by Jimmy song		2-Mar-2007	
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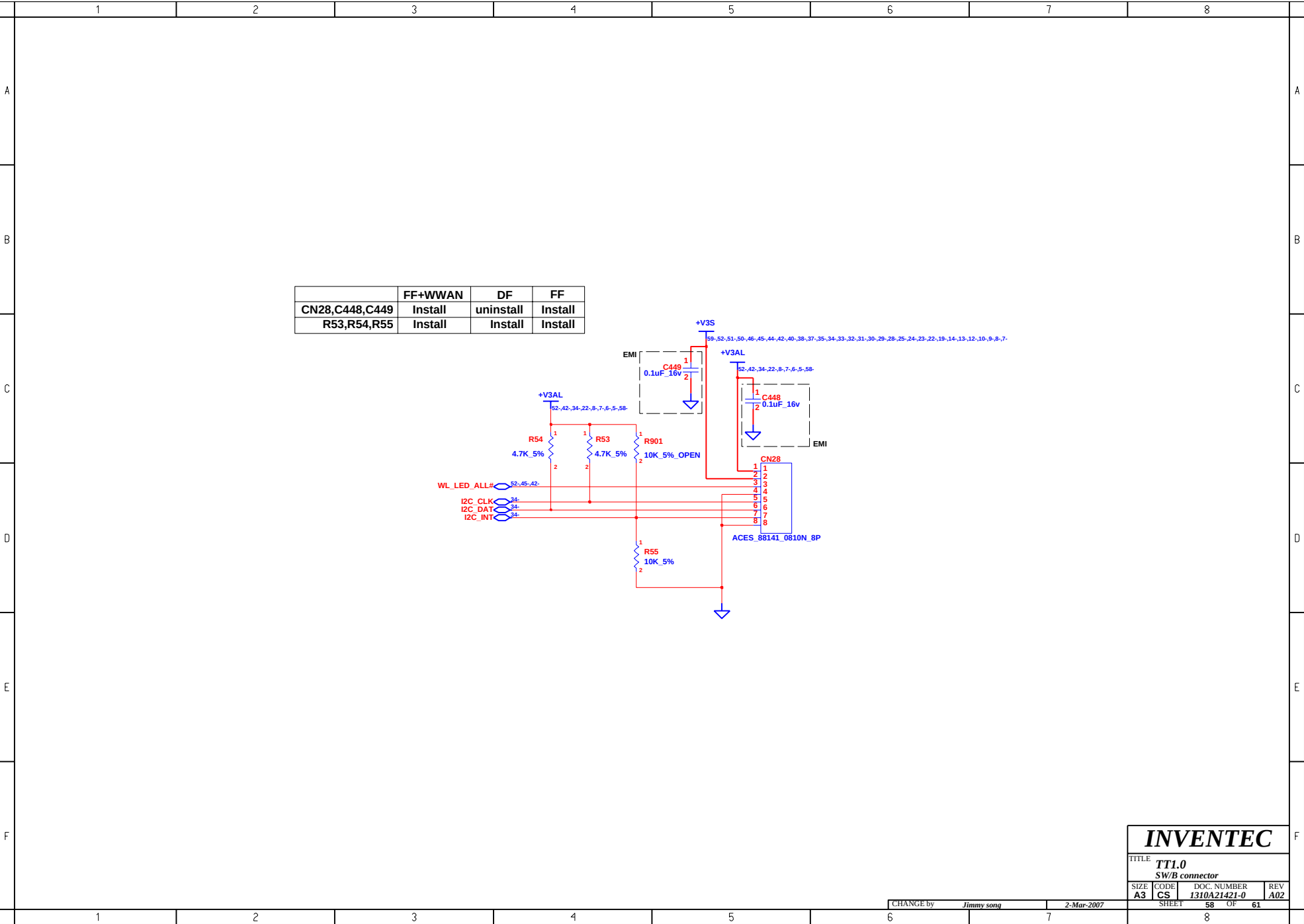
	FF+WWAN	DF	FF
CN28,C448,C449	Install	uninstall	Install
R53,R54,R55	Install	Install	Install

The schematic diagram illustrates the electrical connections for the TTI.0 SW/B connector. Key features include:

- Power Rails:** +V3S, +V3AL, and +V3BL.
- Capacitors:** C448 (0.1uF_16v) and C449 (0.1uF_16v).
- Resistors:** R53 (4.7K_5%), R54 (4.7K_5%), R55 (10K_5%), and R901 (10K_5% OPEN).
- Connectors:** CN28 (ACES_88141_0810N_8P) and WL_LED_ALLP.
- Signal Lines:** I2C_CLK, I2C_DAT, and I2C_INT.

INVENTEC			
TTI.0 SW/B connector			
SIZE A3	CODE CS	DOC. NUMBER 1310A21421-0	REV A02

CHANGE by	Jimmy song	2-Mar-2007	SHEET 58 OF 61
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1

2

3

4

5

6

7

8

A

B

C

D

E

F

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

CHANGE by

Jimmy song

2-Mar-2007

SHEET

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INVENTEC

TTI.0

SW/B connector

SIZE

A3

CODE

CS

DOC. NUMBER

1310A21421-0

REV

A02

