

	1	2	3	4	5	6	7	8																																																																																
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B	<div style="font-size: 48px; margin: 0;">CT10R</div> <div style="font-size: 72px; margin: 0;">ES Build</div> <div style="font-size: 36px; margin-top: 20px;">2010.11.29</div>								B																																																																															
C									C																																																																															
D									D																																																																															
E									E																																																																															
F									<table border="1" style="width:100%; border-collapse: collapse; font-size: 8px;"> <tr><td style="width:33.33%;"></td><td style="width:33.33%;"></td><td style="width:33.33%;"></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></td><td></td><td></td></tr> <tr> <td>DATE</td><td>CHANGE NO.</td><td>REV</td></tr> </table>																													DATE	CHANGE NO.	REV	<table border="1" style="width:100%; border-collapse: collapse; font-size: 8px;"> <tr> <td style="width:16.6%;">DRAWER</td><td style="width:16.6%;">EE</td><td style="width:16.6%;">DATE</td><td style="width:16.6%;">POWER</td><td style="width:16.6%;">DATE</td><td rowspan="4" style="text-align: center; vertical-align: middle; font-weight: bold;">INVENTEC</td></tr> <tr><td>DESIGN</td><td></td><td></td><td></td><td></td></tr> <tr><td>CHECK</td><td></td><td></td><td></td><td></td></tr> <tr><td>RESPONSIBLE</td><td></td><td></td><td></td><td></td></tr> <tr> <td colspan="5">                 SIZE = A3      VER : AX1             </td><td rowspan="3" style="text-align: center; vertical-align: middle; font-weight: bold;">TITLE CT10R COVER</td></tr> <tr> <td colspan="5">FILE NAME : CT10R-6050A6423901-MB-AX1-35</td></tr> <tr> <td colspan="5">P/N 6050A6423901</td></tr> <tr> <td colspan="5"></td><td>                 SIZE A3    CODE WS    DOC. NUMBER 310A2423901-0-MTR    REV AX1             </td></tr> <tr> <td colspan="5"></td><td>                 SHEET 1 OF 50             </td></tr> </table>						DRAWER	EE	DATE	POWER	DATE	INVENTEC	DESIGN					CHECK					RESPONSIBLE					SIZE = A3      VER : AX1					TITLE CT10R COVER	FILE NAME : CT10R-6050A6423901-MB-AX1-35					P/N 6050A6423901									
DATE	CHANGE NO.	REV																																																																																						
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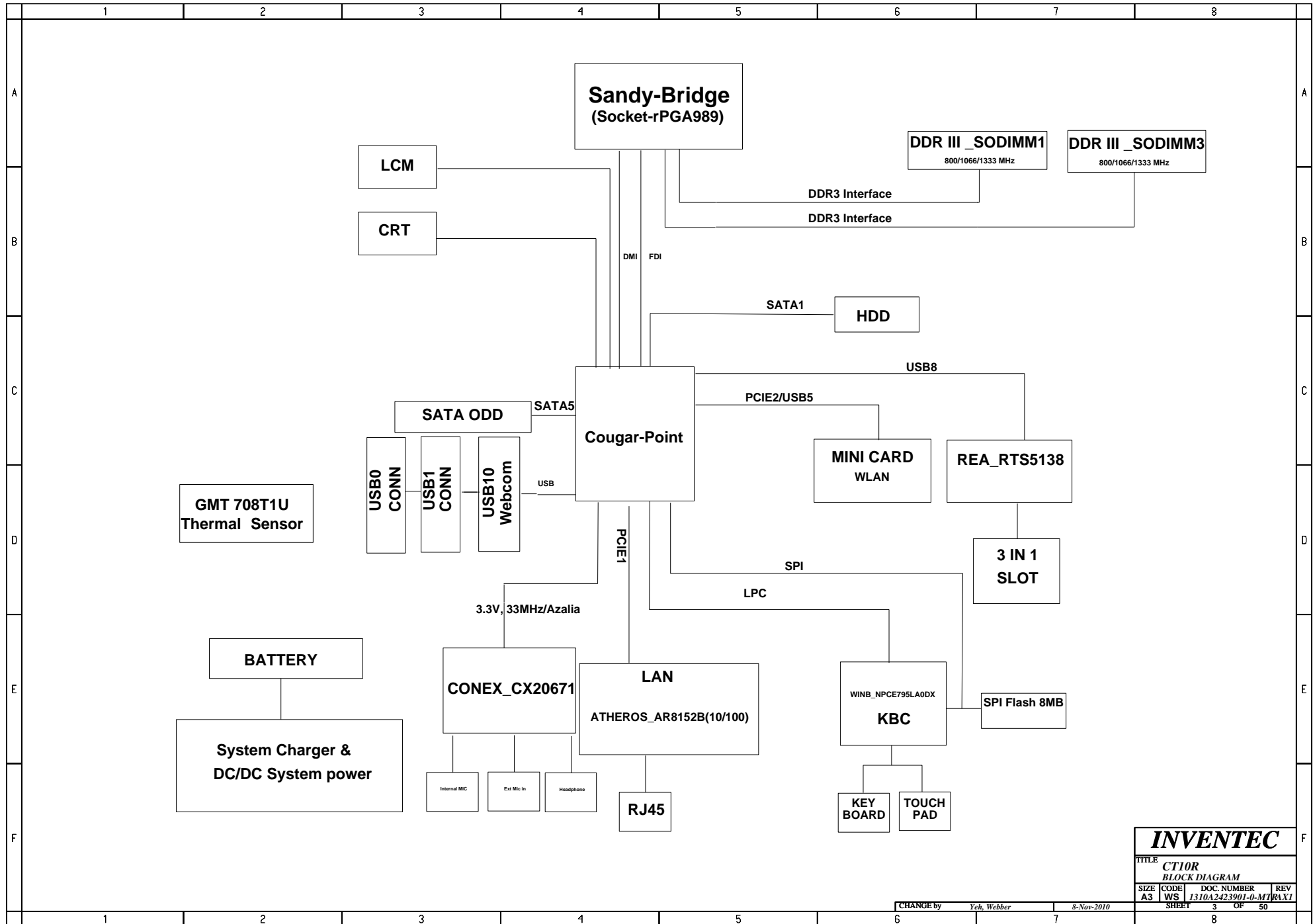
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**INVENTEC**

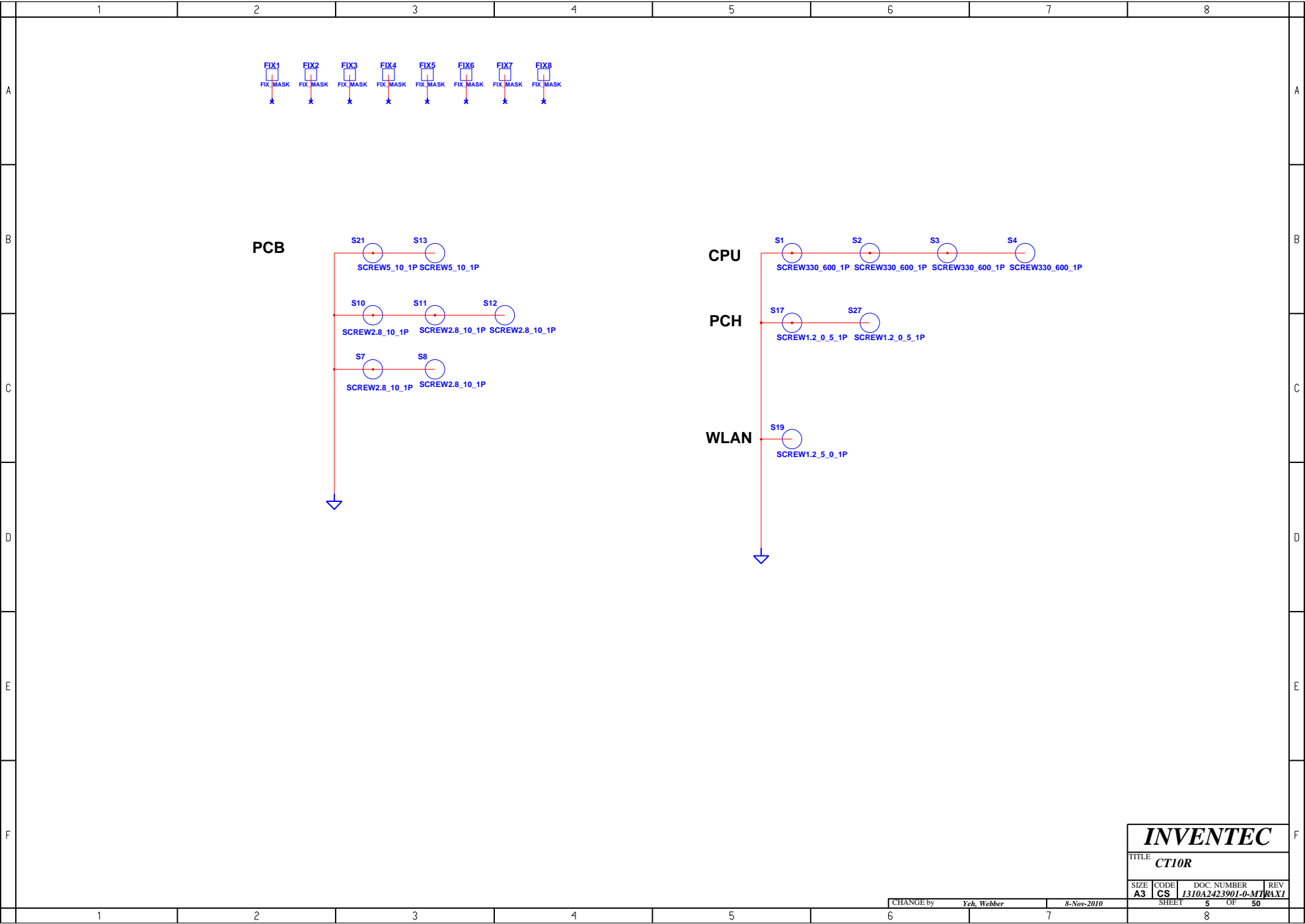
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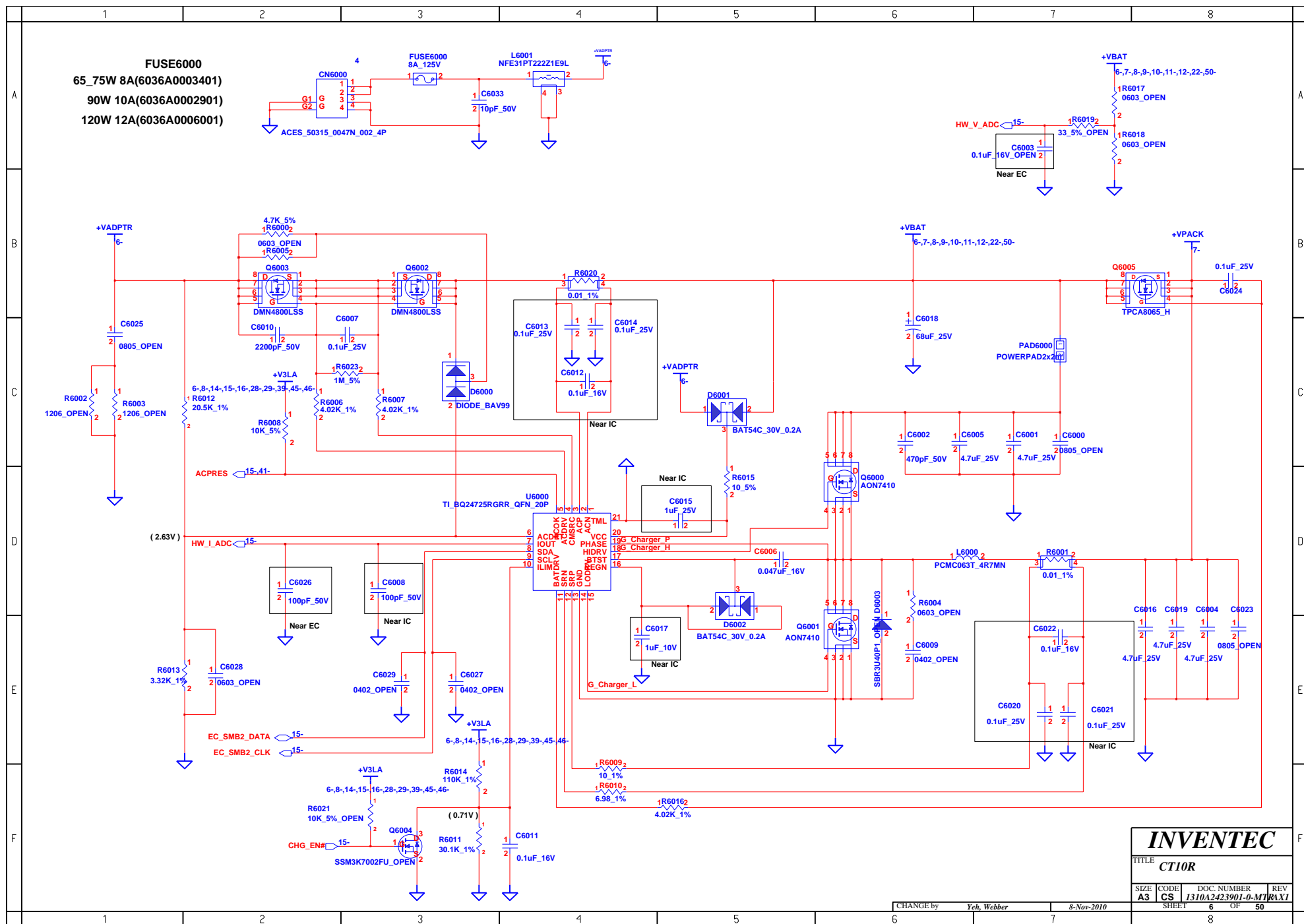
CHANGE by Yeh, Webber 8-Nov-2010



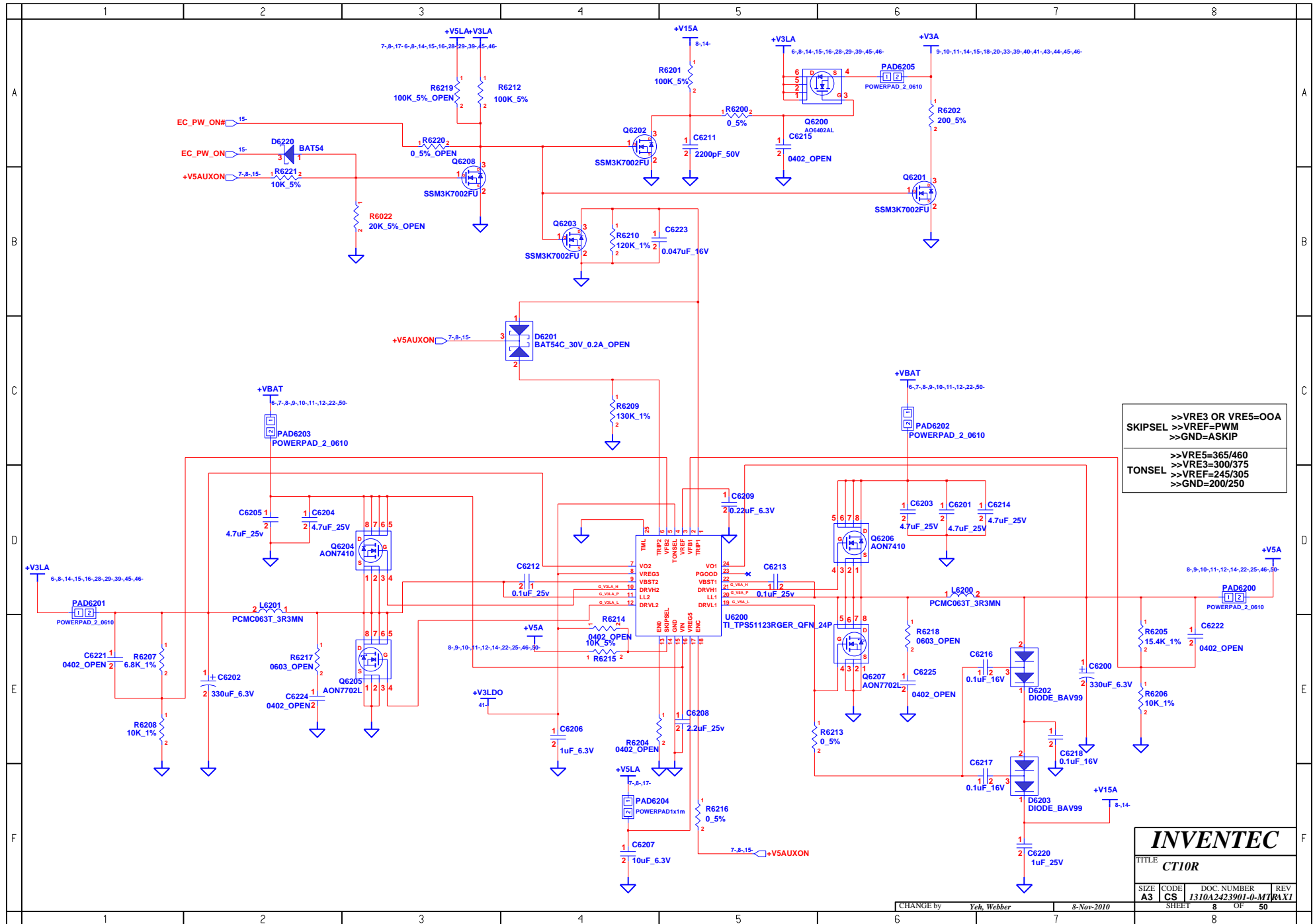
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SIZE A3	CODE WS	DOC. NUMBER 1310A2423901-0-MT		REV RAX1
SHEET		3	OF	50
8				



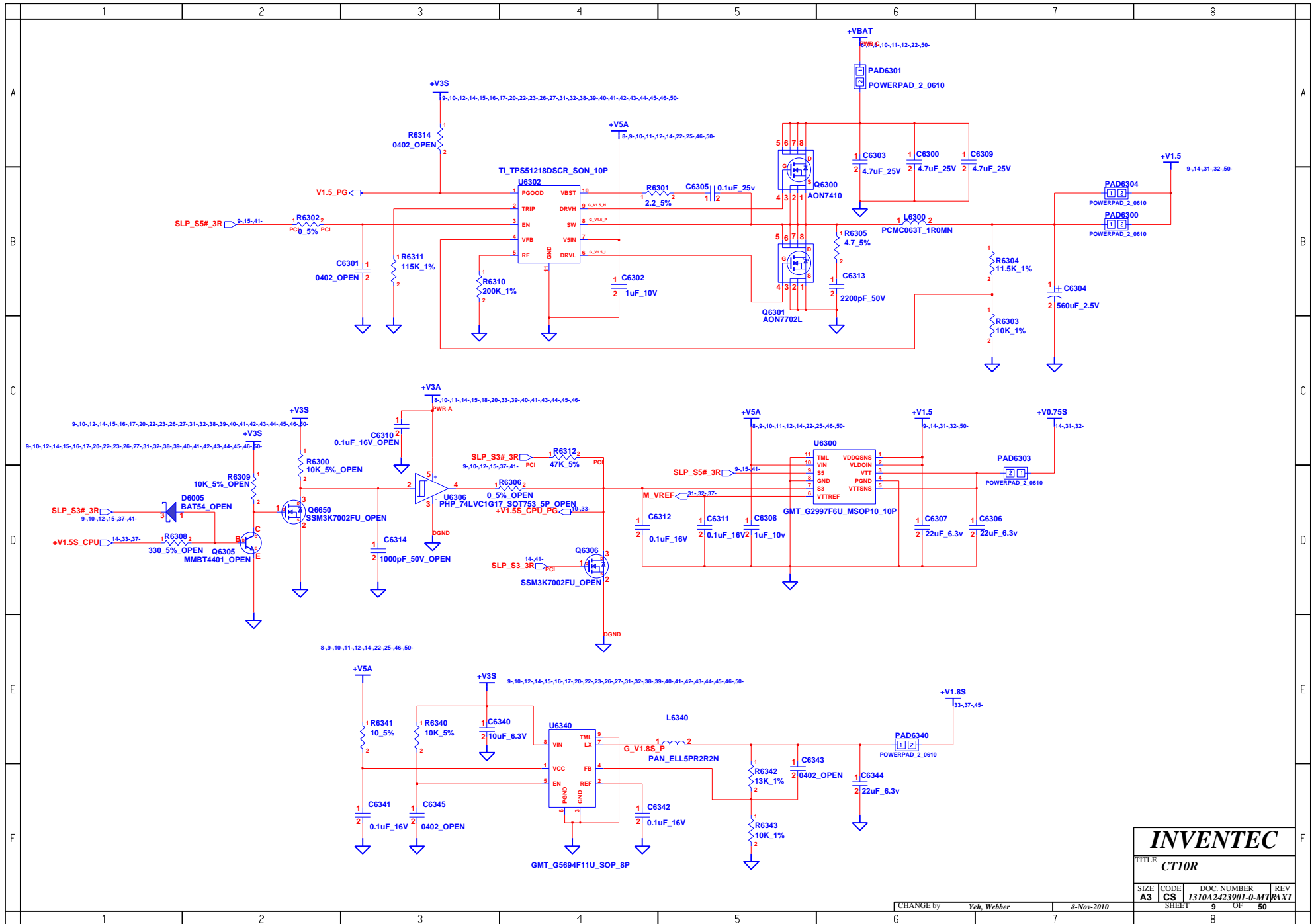








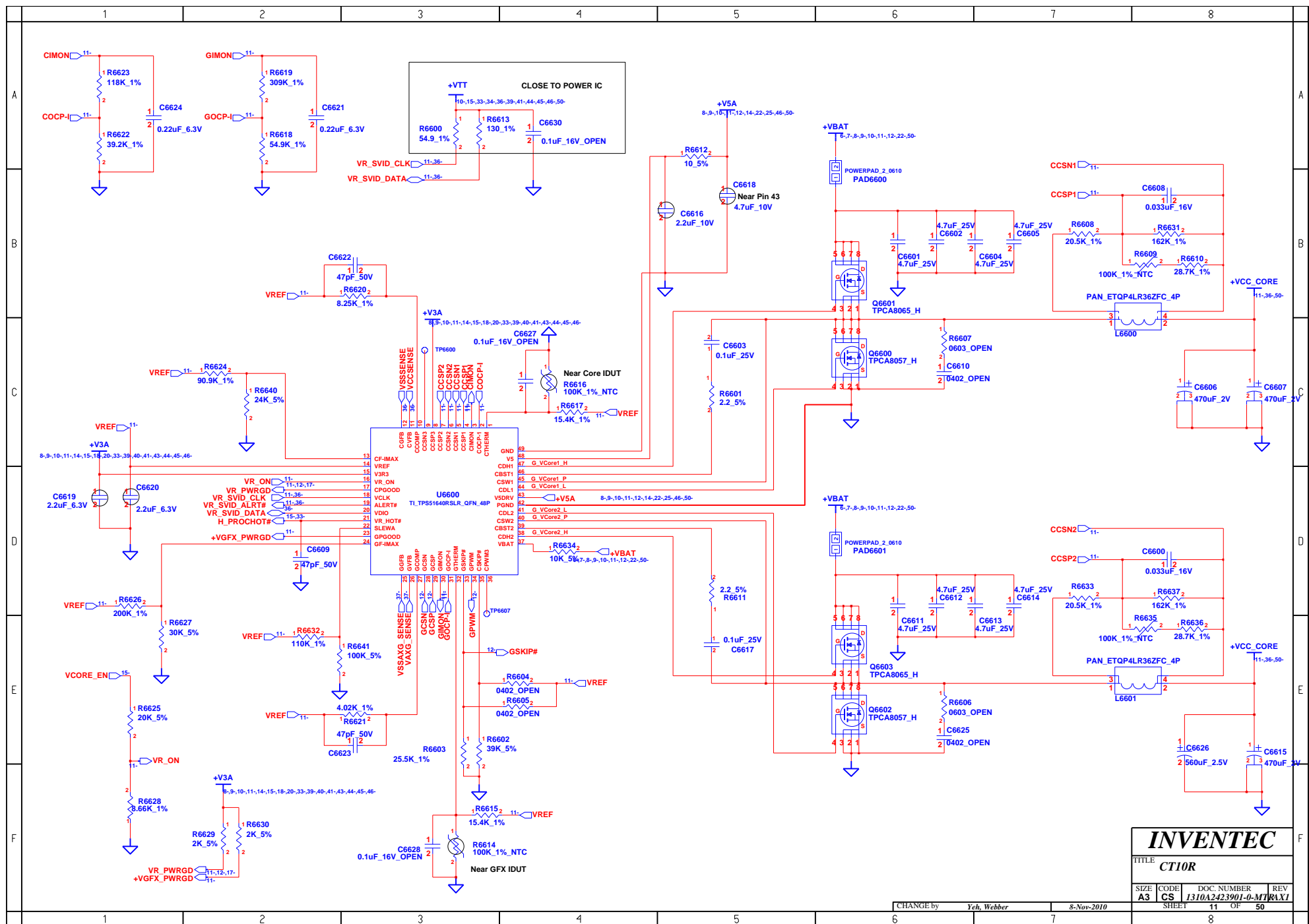




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TITLE <b>CT10R</b>			
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SHEET <b>9</b>		OF <b>50</b>	

CHANGE by Yeh, Webber 8-Nov-2010

SIZE <b>A3</b>	CODE <b>CS</b>	DOC. NUMBER <i>1310A2423901-0-MT/RAXI</i>	REV
SHEET		10	OF 50



**INVENTEC**

TITLE	<i>CT10R</i>
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SIZE <b>A3</b>	CODE <b>CS</b>	DOC. NUMBER <i>1310A2423901-0-MT</i>	REV <i>RAXI</i>
SHEET		11	OF 50

CHANGE by	<i>Yeh, Webber</i>	<i>8-Nov-2010</i>
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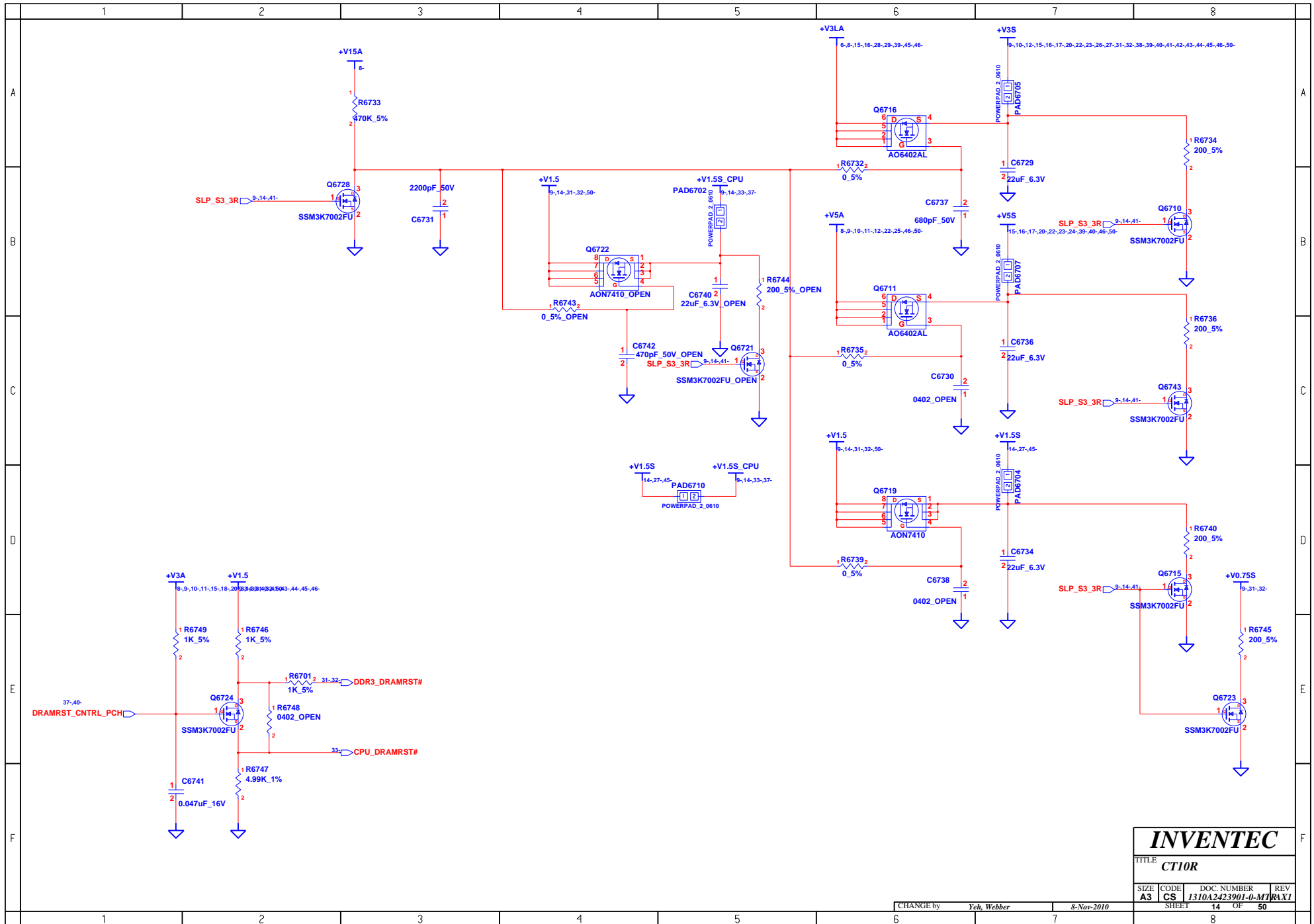
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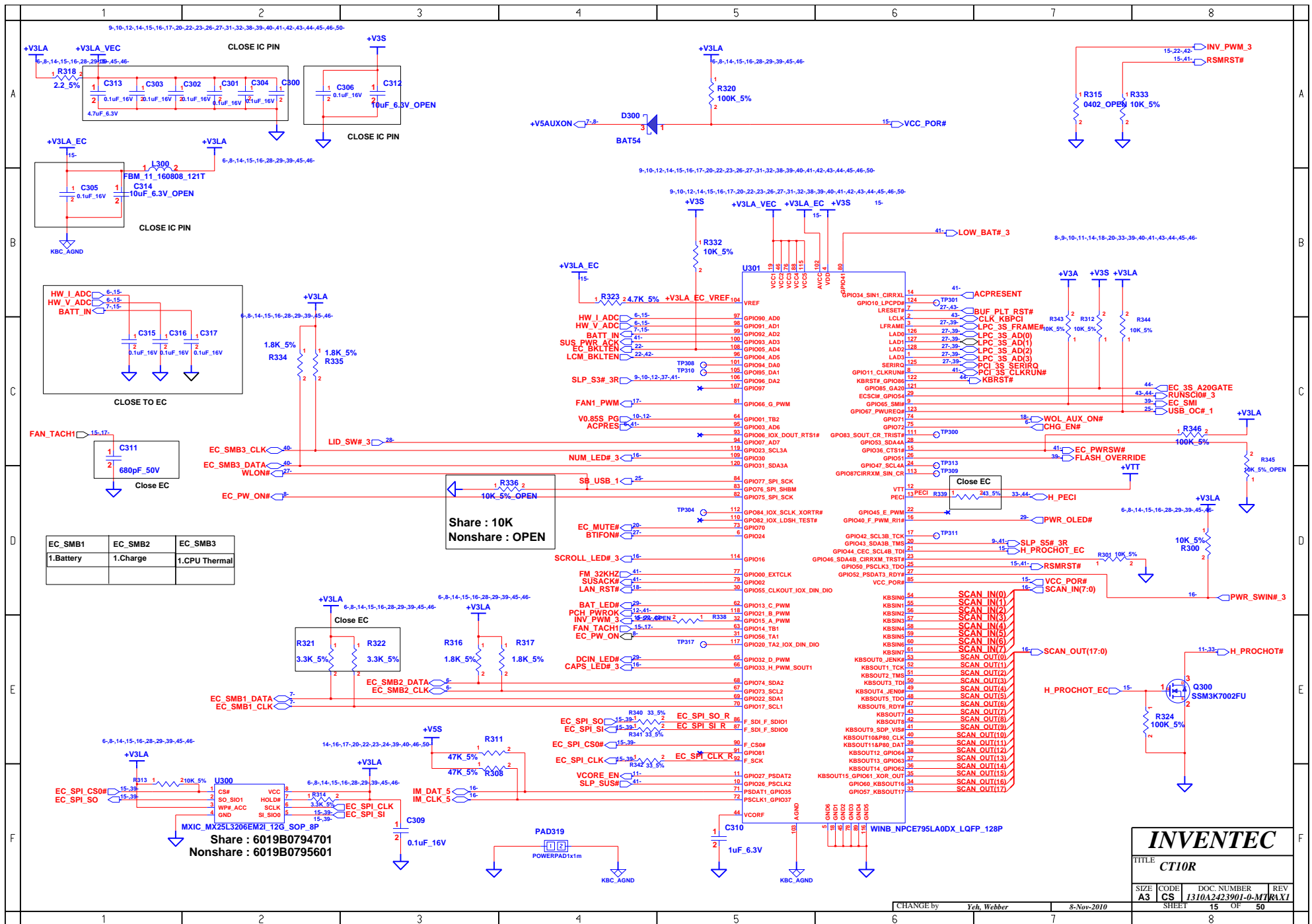


	1	2	3	4	5	6	7	8	
A									A
B									B
C									C
D									D
E									E
F									F
	1	2	3	4	5	6	7	8	

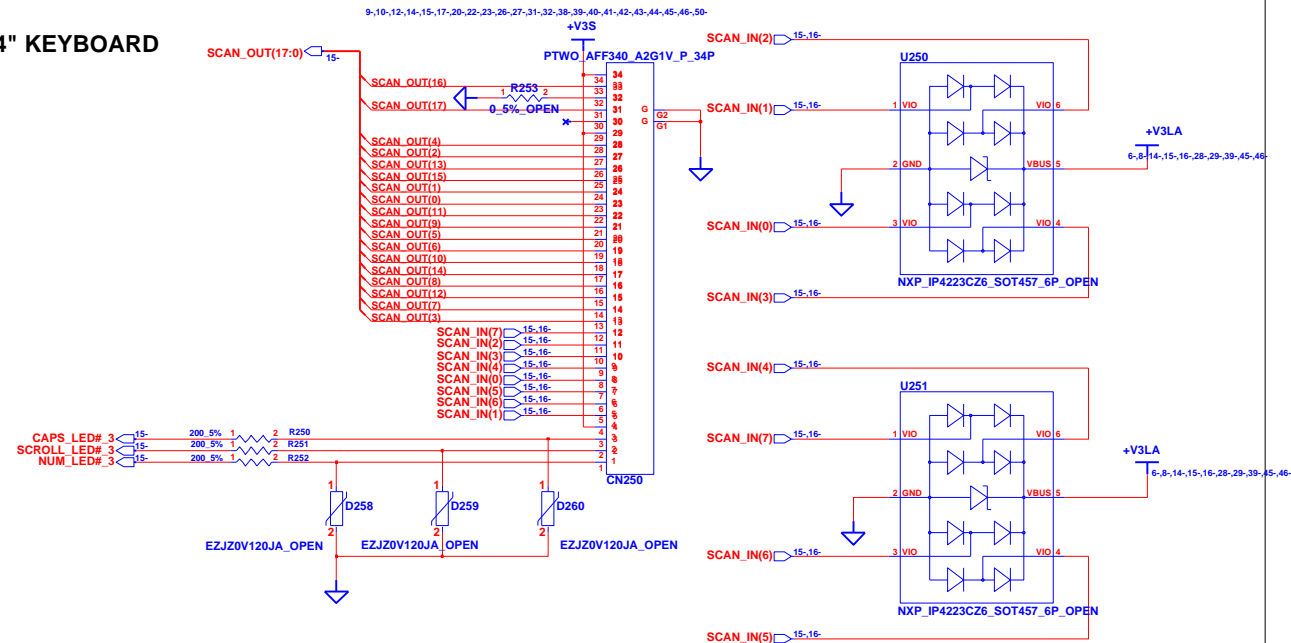


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SIZE <b>A3</b>	CODE <b>CS</b>	DOC. NUMBER <i>1310A2423901-0-MT</i>	REV <b>MAX1</b>
CHANGE by <i>Yeh, Webber</i>		8-Nov-2010	
SHEET		13	OF 50

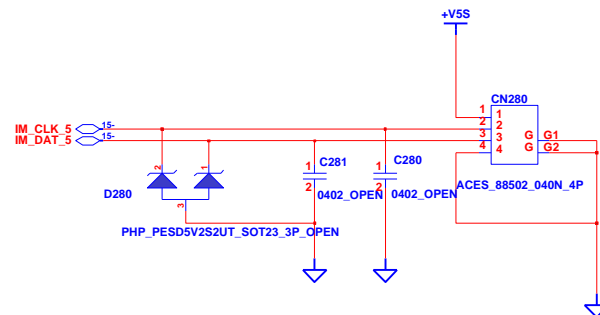




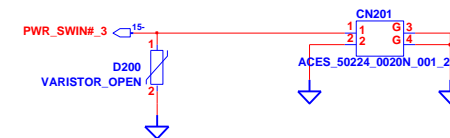
## 14" KEYBOARD



## Touchpad Connector



## POWER BOARD CONNECTOR



**INVENTEC**

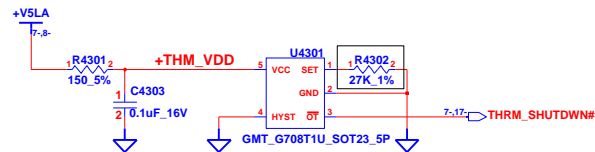
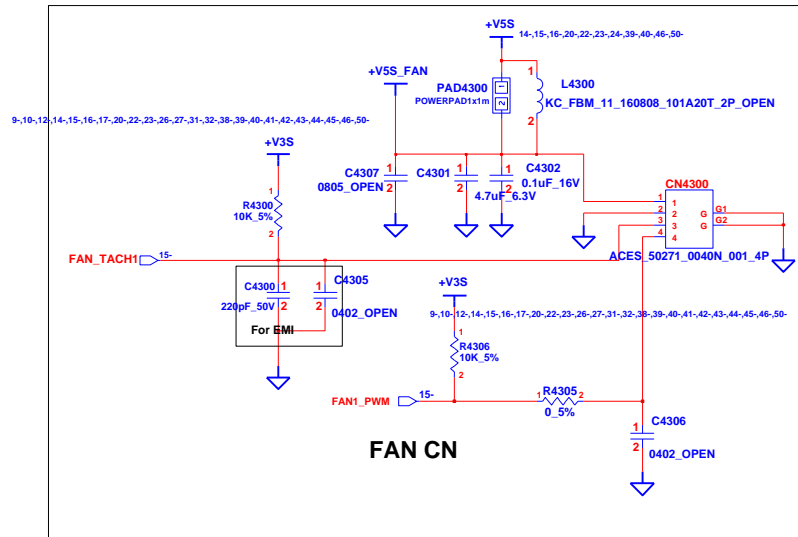
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CT10R

SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2423901-0-MT	MAXI

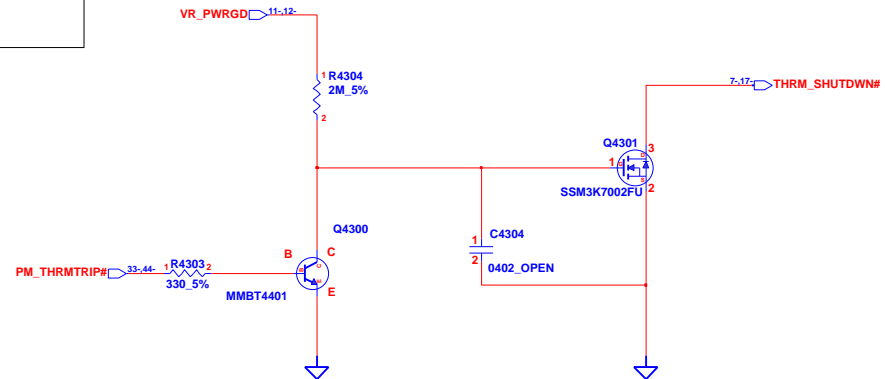
CHANGE by Yeh, Webber 8-Nov-2010

SHEET 16 OF 50



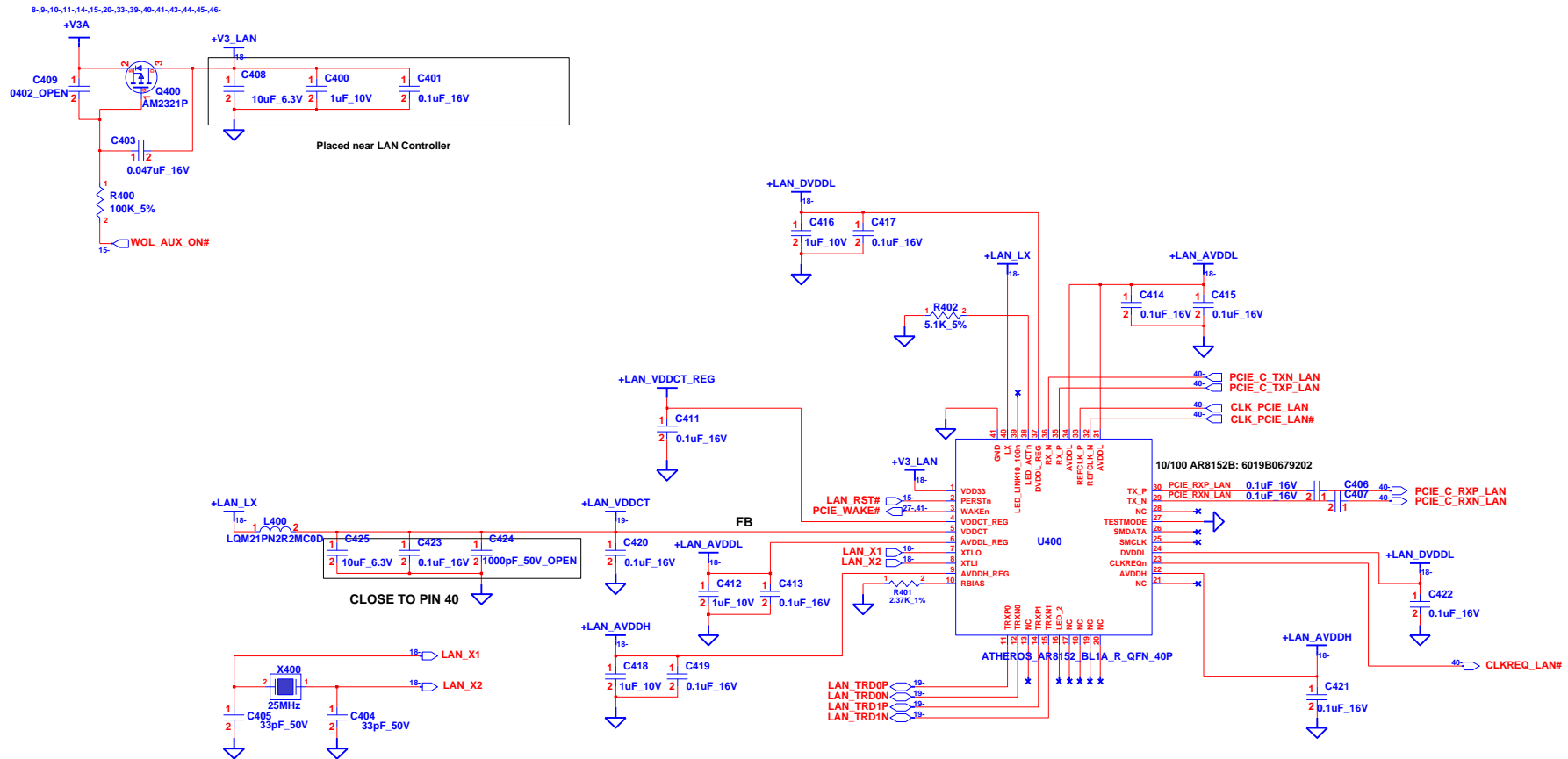


GM Thermal shutdown at 83.2°C +/-3°C from 60°C to 100°C  
 PM Thermal shutdown at 91.5°C +/-3°C from 60°C to 100°C  
 $RSET = 0.0012 * T^2 - 0.9308 * T + 96.147$   
 Hysteresis is 30C



INVENTEC			
TITLE CT10R			
SIZE A3	CODE CS	DOC. NUMBER 1310A2423901-0-MT	REV RAX1
SHEET 17		OF 50	

CHANGE by Yeh, Webber 8-Nov-2010



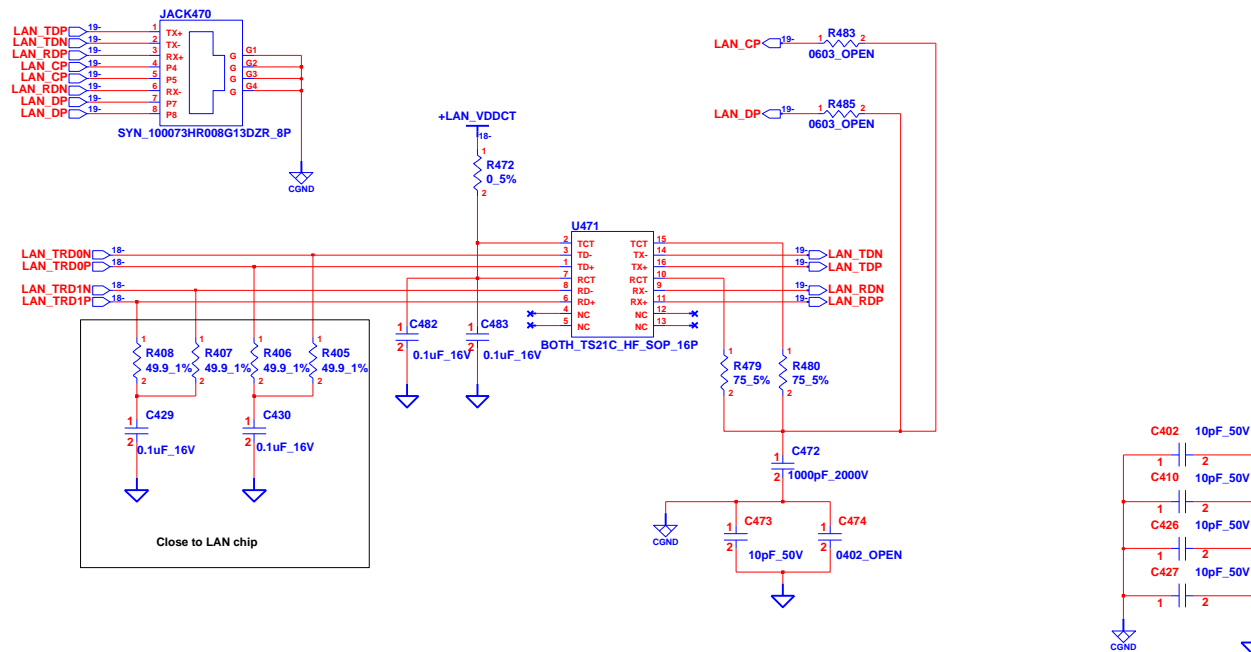
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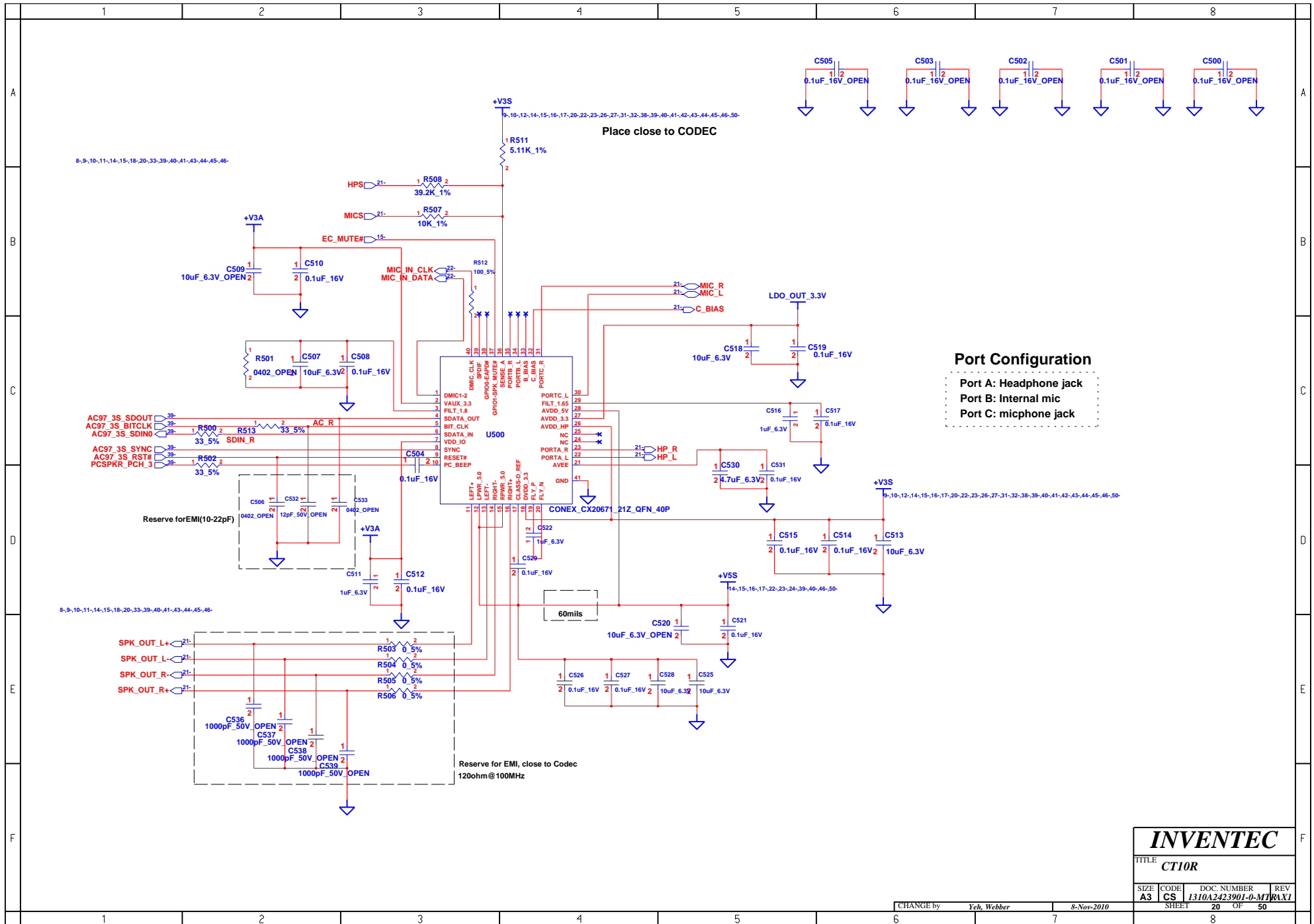
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CHANGE by Yeh, Webber 8-Nov-2010

SHEET 18 OF 50



INVENTEC			
TITLE CT10R			
SIZE A3	CODE CS	DOC. NUMBER 1310A2423901-0-MT	REV RAXI
CHANGE by Yeh, Webber		8-Nov-2010	
SHEET 19		OF 50	



**INVENTEC**

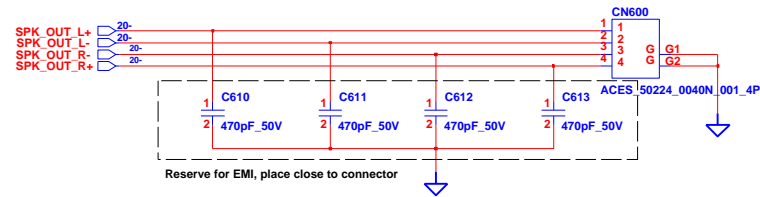
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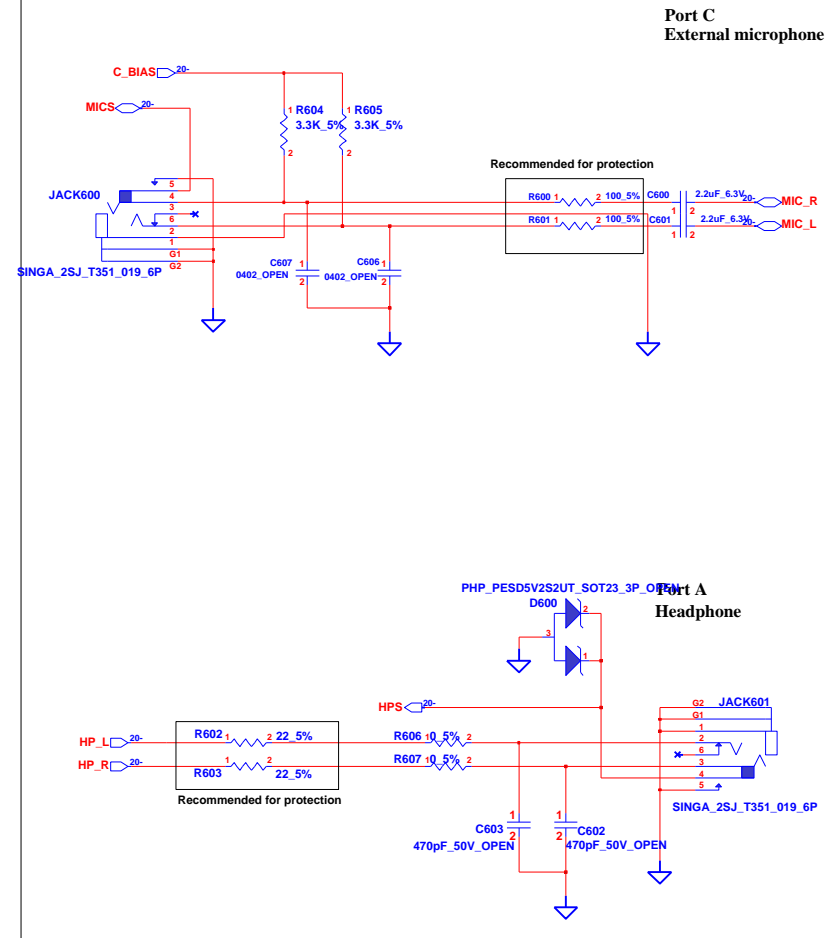
CHANGE by Yeh, Webber 8-Nov-2010

8

## INTERNAL SPEAKERS



## AUDIO JACKS



**INVENTEC**

TITLE			
CT10R			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2423901-0-MT	1
SHEET		21	OF 50

CHANGE by Yeh, Webber 8-Nov-2010

for LED panel

40mils

+VBAT

6,-7,-8,-9,-10,-11,-12,-50-

PAD3001

POWERPAD\_2.0610

C3009

4.7uF\_25V

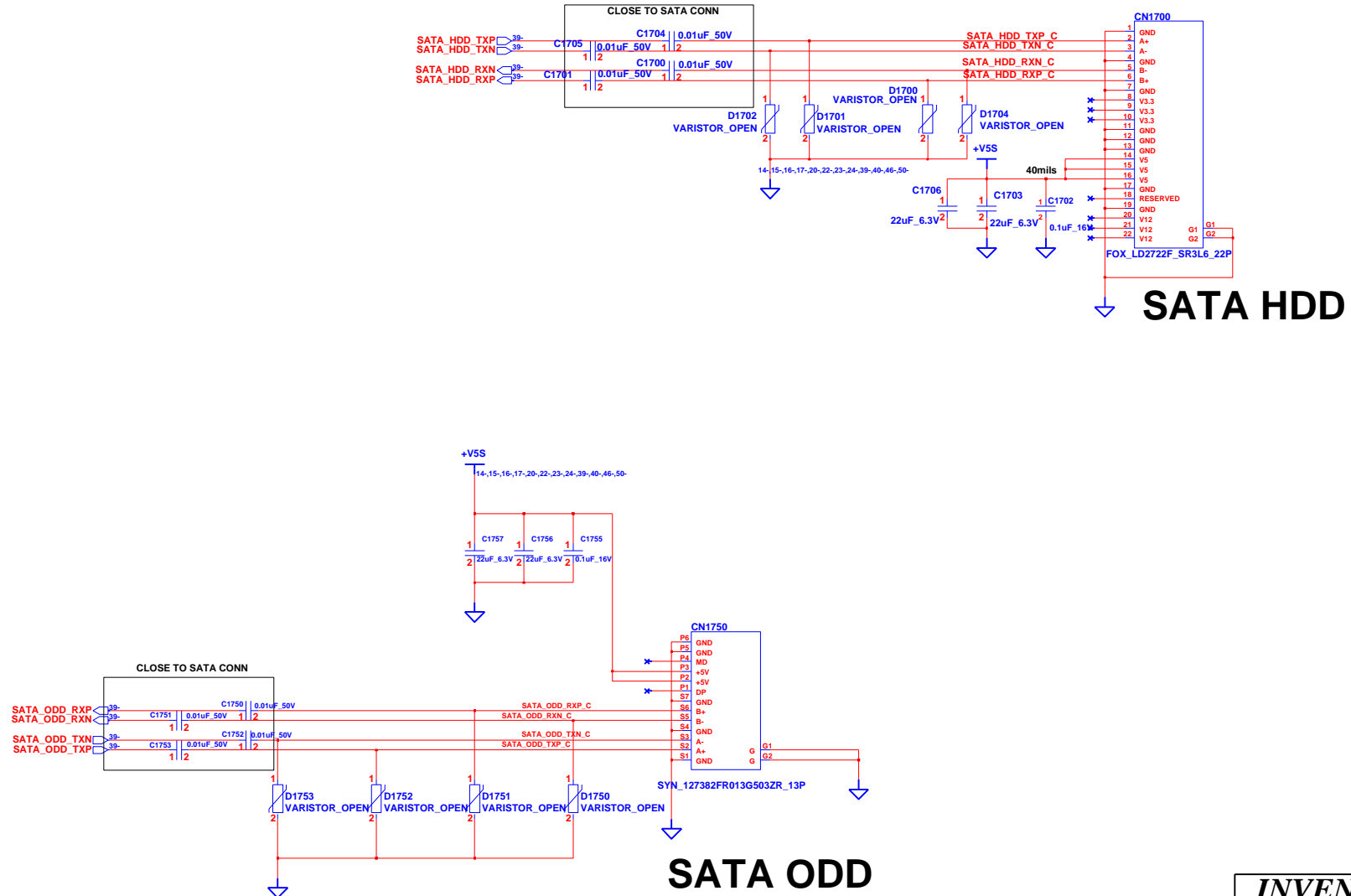
+VBAT\_LVDS

C3010

0.1uF\_25V

TITLE			
<i>CT10R</i>			
SIZE	CODE	DOC. NUMBER	REV
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SHEET		22	OF 50

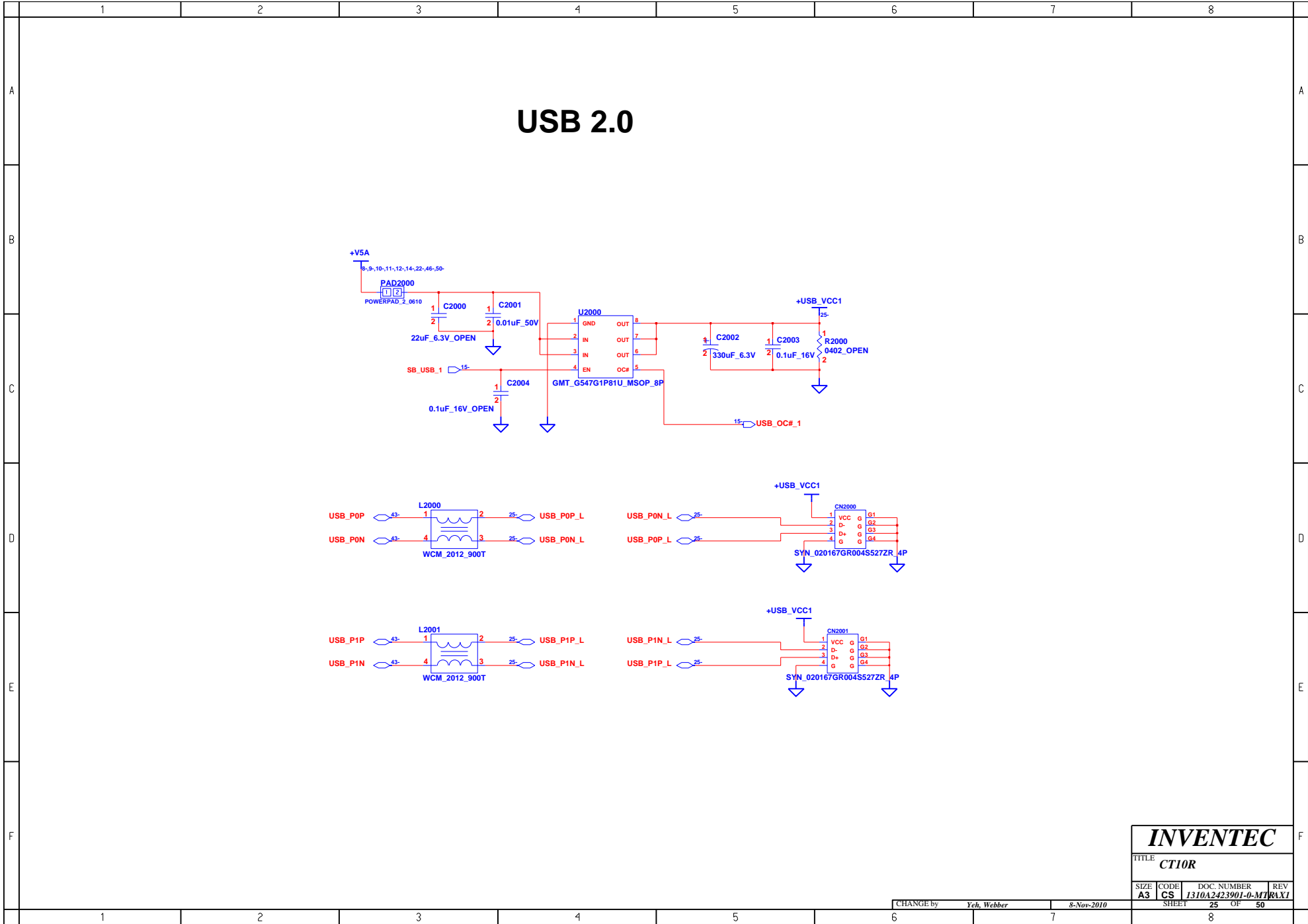




INVENTEC			
TITLE CT10R			
SIZE A3	CODE CS	DOC. NUMBER 1310A2423901-0-MT	REV RAXI
SHEET 24		OF 50	

CHANGE by Yeh, Webber 8-Nov-2010



[illegible]

1 2 3 4 5 6 7 8

A

B

C

D

E

F

# USB 2.0

USB 2.0

USB\_P0P

USB\_P0N\_L

USB\_P1P

USB\_P1N\_L

USB\_P0P\_L

USB\_P0N\_L

USB\_P1P\_L

USB\_P1N\_L

USB\_OC#\_1

SYN\_020167GR004S527ZR\_4P

SYN\_020167GR004S527ZR\_4P

INVENTEC

CT10R

SIZE A3 CODE CS DOC NUMBER 1310A2423901-0-MT MAX1 REV SHEET 25 OF 50

CHANGE by Yeh, Webber 8-Nov-2010

1 2 3 4 5 6 7 8

A

B

C

D

E

F

# USB 2.0

USB 2.0

USB\_P0P

USB\_P0N\_L

USB\_P1P

USB\_P1N\_L

USB\_P0P\_L

USB\_P0N\_L

USB\_P1P\_L

USB\_P1N\_L

USB\_OC#\_1

SYN\_020167GR004S527ZR\_4P

SYN\_020167GR004S527ZR\_4P

INVENTEC

CT10R

SIZE A3 CODE CS DOC NUMBER 1310A2423901-0-MT MAX1 REV SHEET 25 OF 50

CHANGE by Yeh, Webber 8-Nov-2010

1 2 3 4 5 6 7 8

A

B

C

D

E

F

# USB 2.0

USB 2.0

USB\_P0P

USB\_P0N\_L

USB\_P1P

USB\_P1N\_L

USB\_P0P\_L

USB\_P0N\_L

USB\_P1P\_L

USB\_P1N\_L

USB\_OC#\_1

SYN\_020167GR004S527ZR\_4P

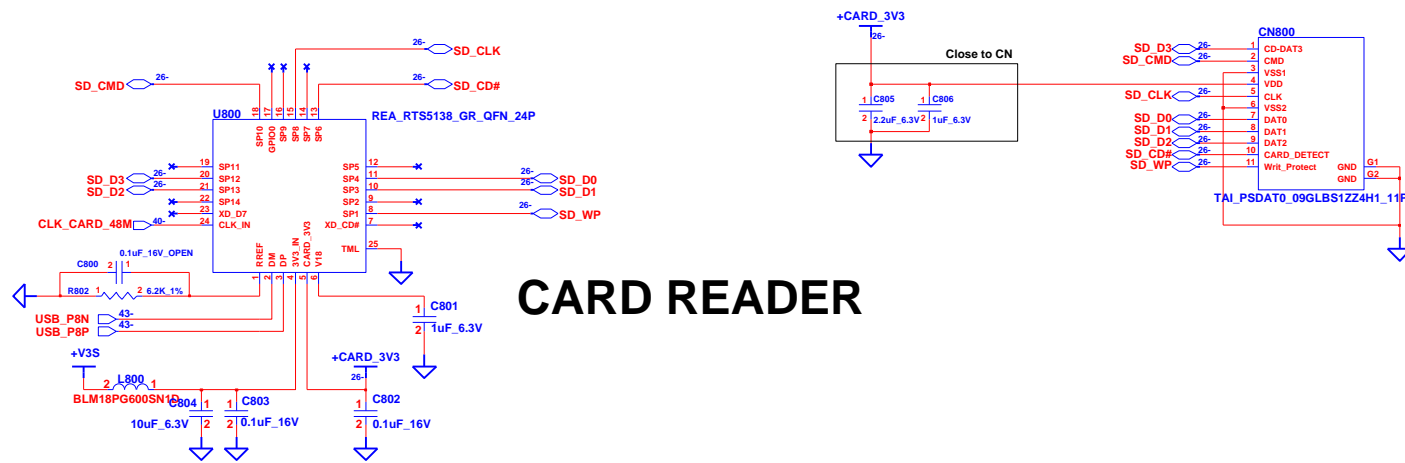
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INVENTEC

CT10R

SIZE A3 CODE CS DOC NUMBER 1310A2423901-0-MT MAX1 REV SHEET 25 OF 50

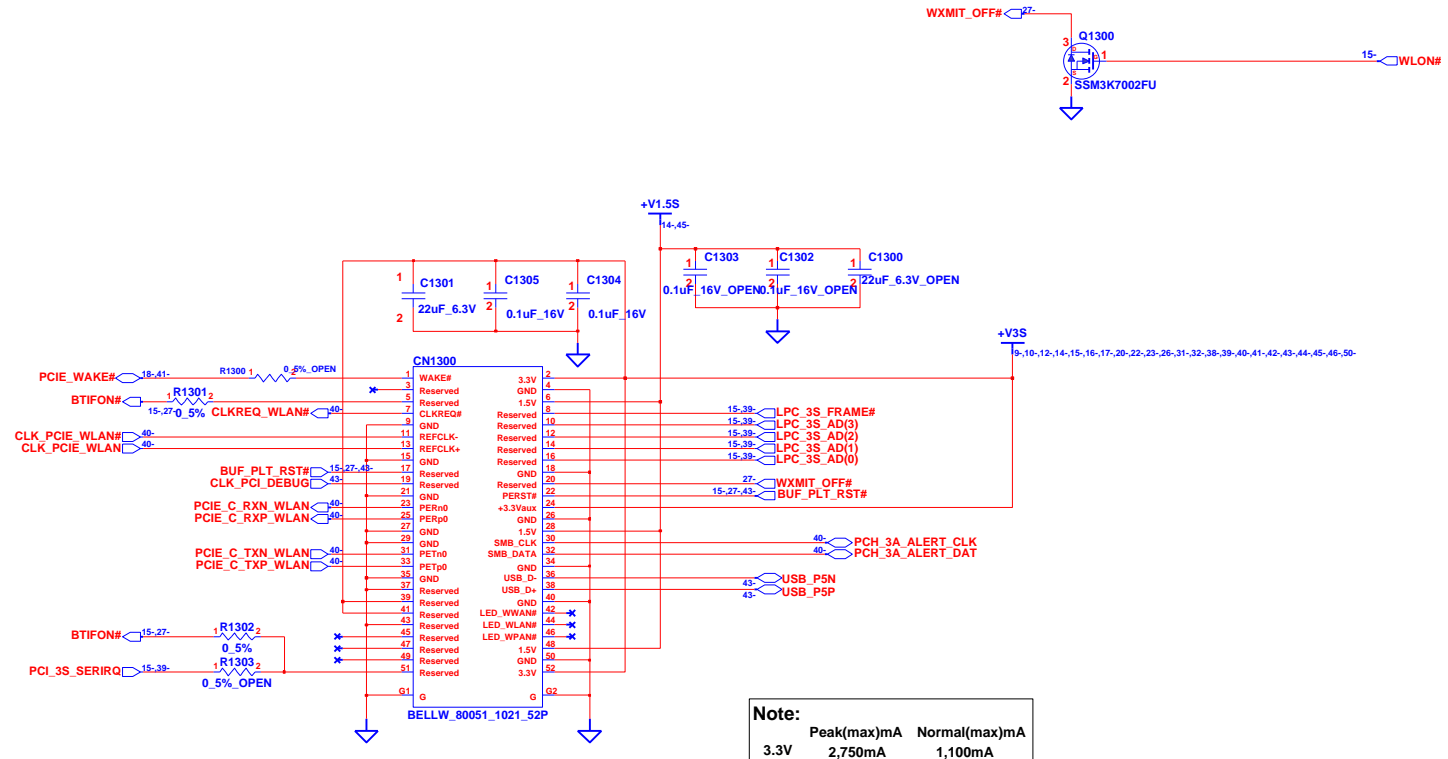
CHANGE by Yeh, Webber 8-Nov-2010



## CARD READER

INVENTEC			
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SIZE A3	CODE CS	DOC. NUMBER 1310A2423901-0-MT	REV RAXI
CHANGE by Yeh, Webber		8-Nov-2010	SHEET 26 OF 50

# Wireless & Debug card



MINI CARD 1

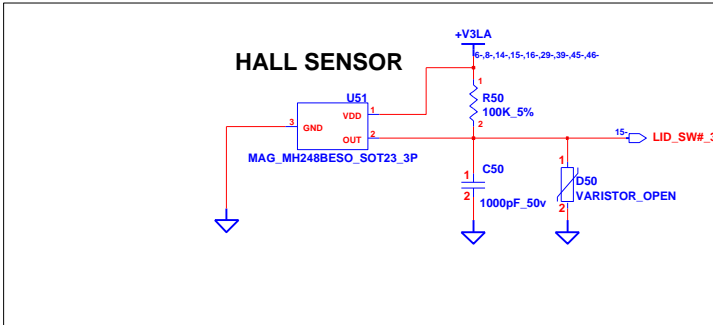
**INVENTEC**

TITLE  
CT10R

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A3	CS	1310A2423901-0-MT	MAX1

CHANGE by Yeh, Webber 8-Nov-2010

SHEET 27 OF 50



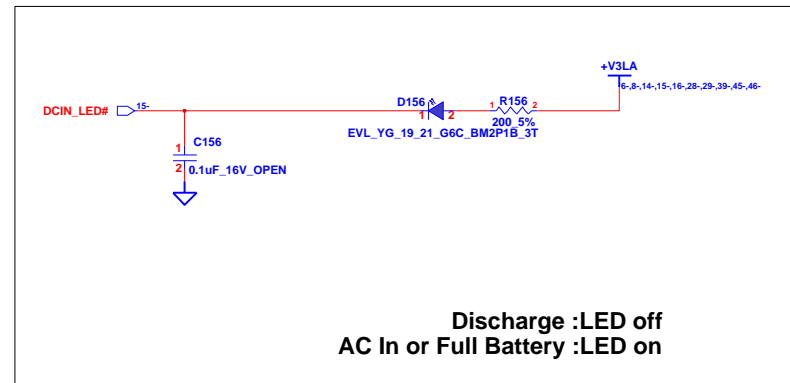
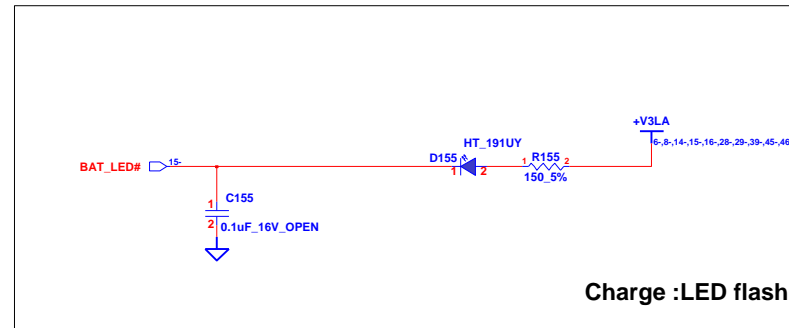
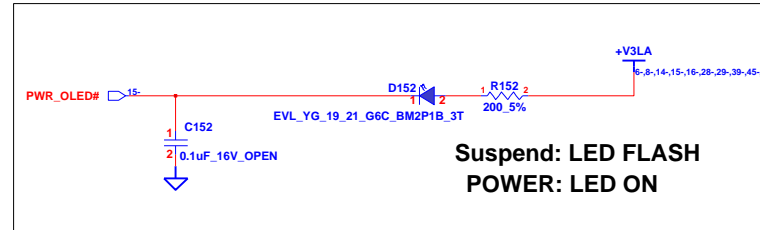
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TITLE  
**CT10R**

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CHANGE by Yeh, Webber 8-Nov-2010

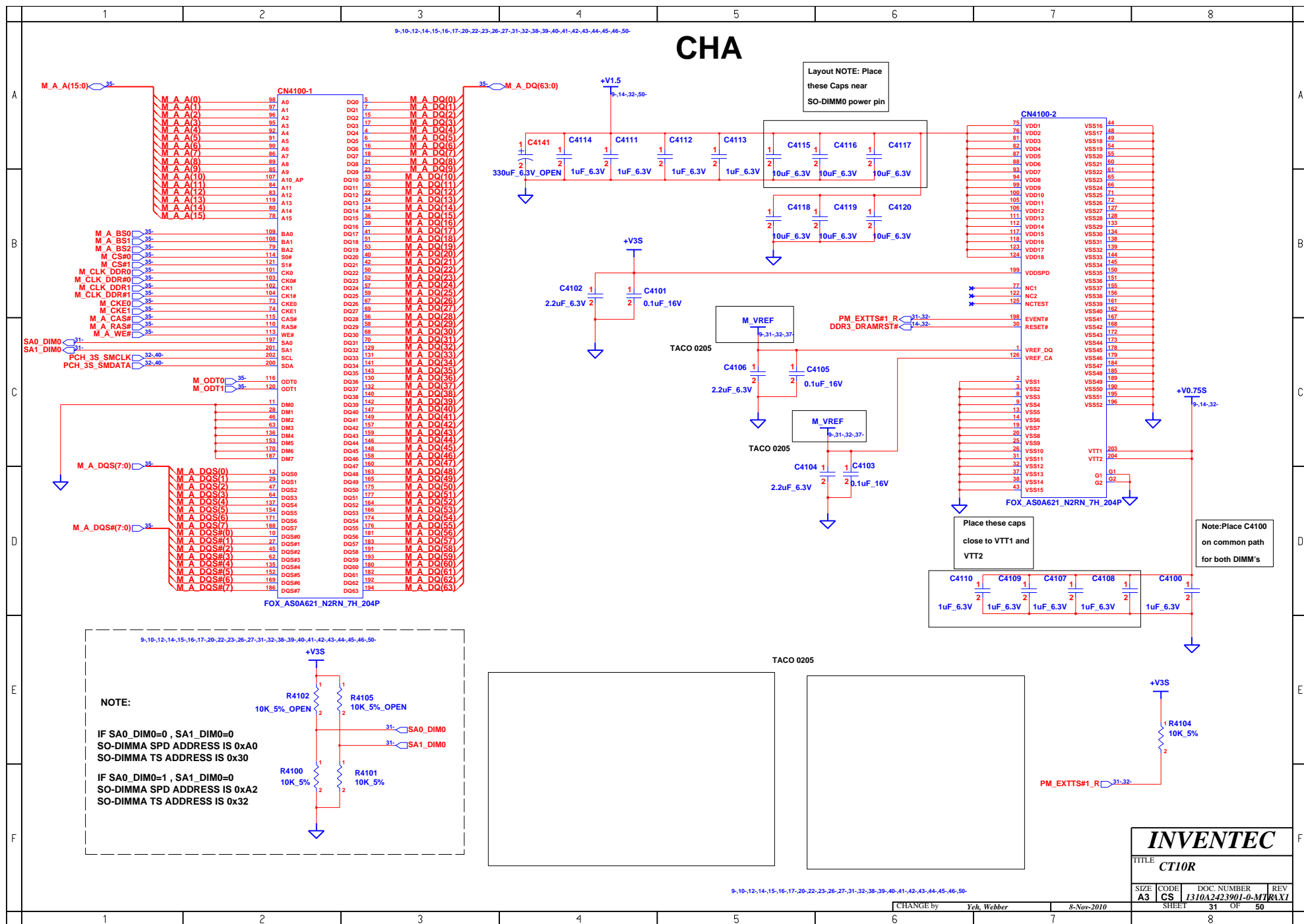
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SHEET		29	OF 50

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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>CT10R</b> <b>CLKGEN</b>			
SIZE <b>A3</b>	CODE <b>CS</b>	DOC. NUMBER <b>1310A2423901-0-MT</b>	REV <b>MAX1</b>
CHANGE by <b>Yeh, Webber</b>		8-Nov-2010	
SHEET <b>30</b>		OF <b>50</b>	

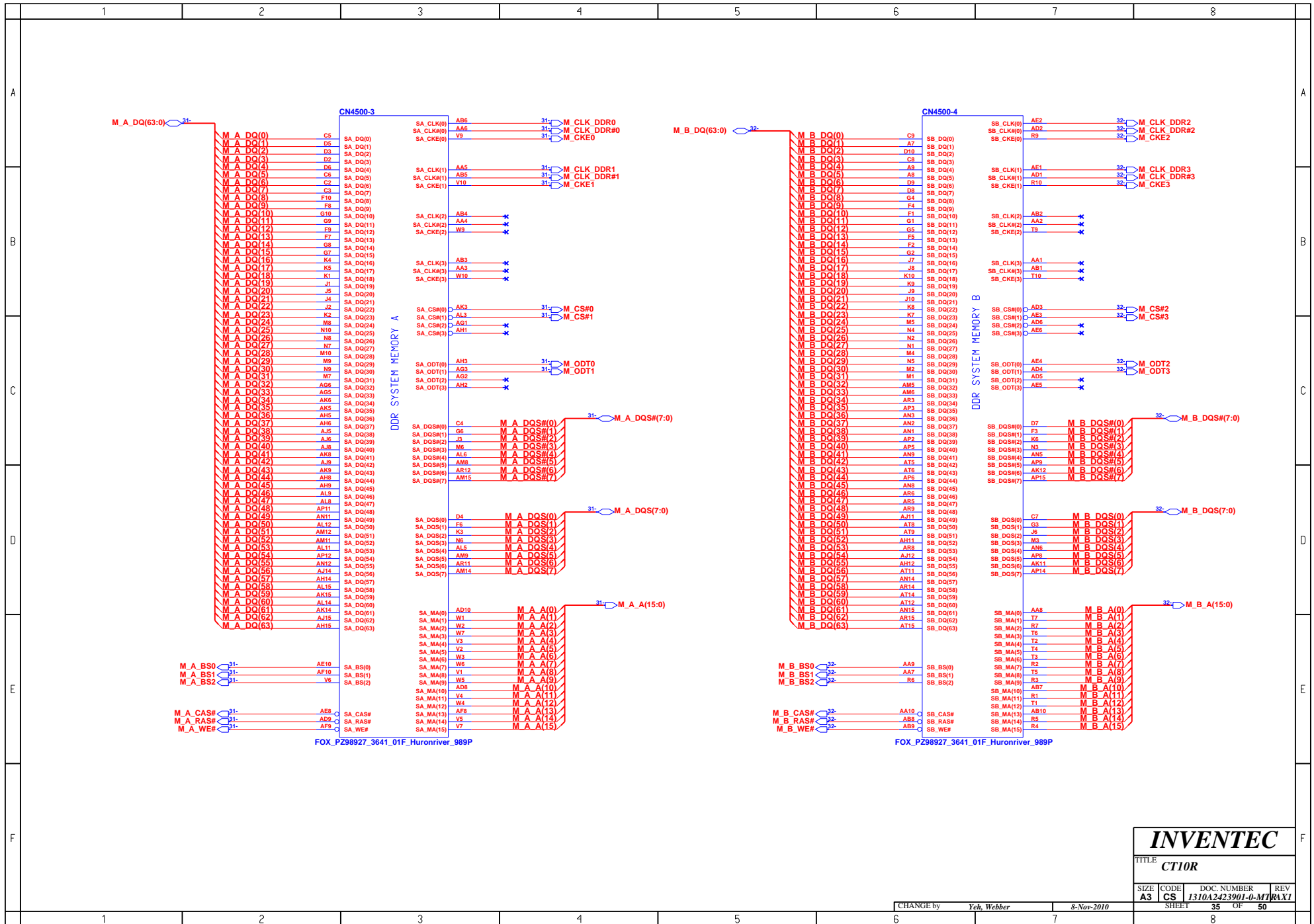


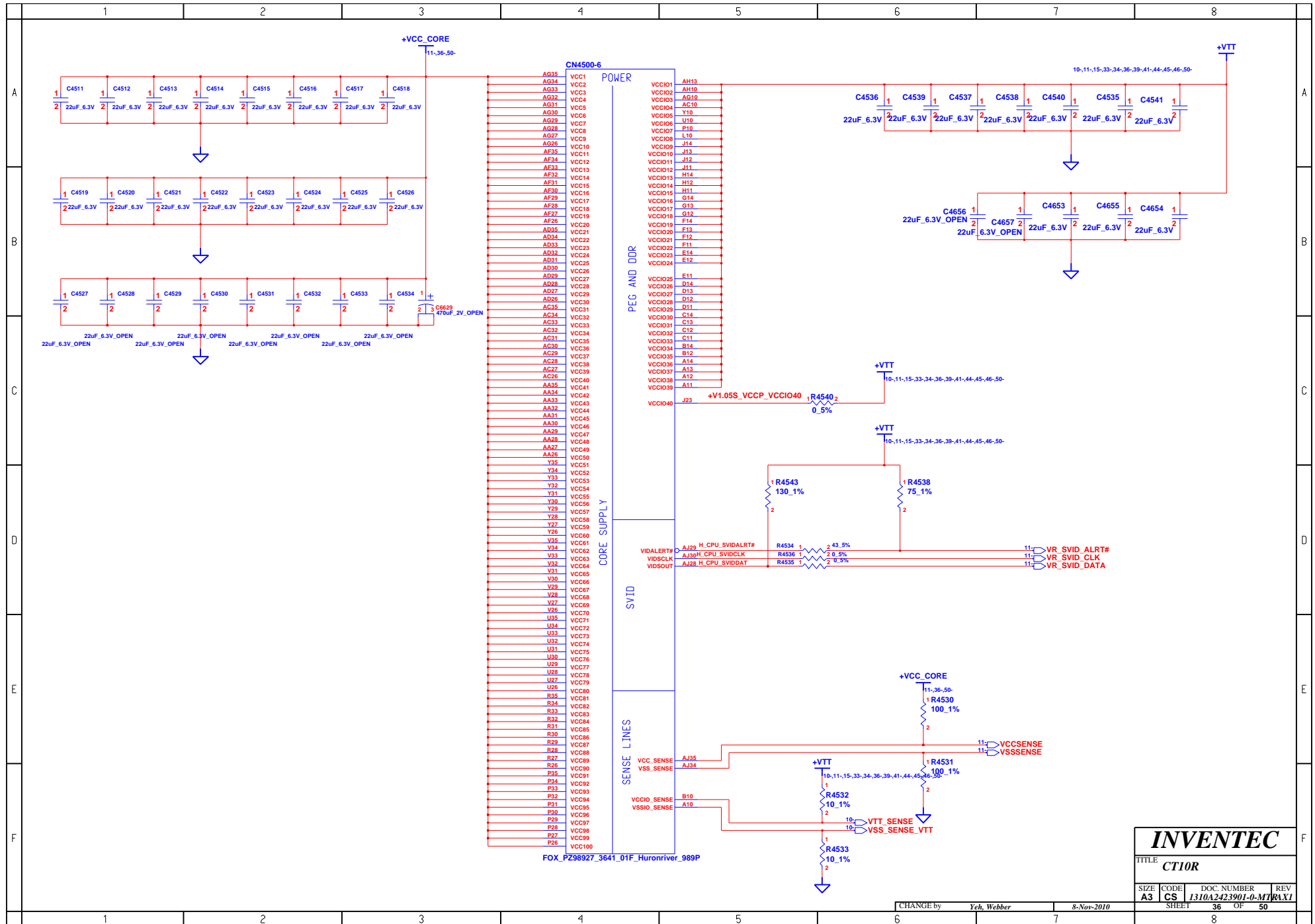




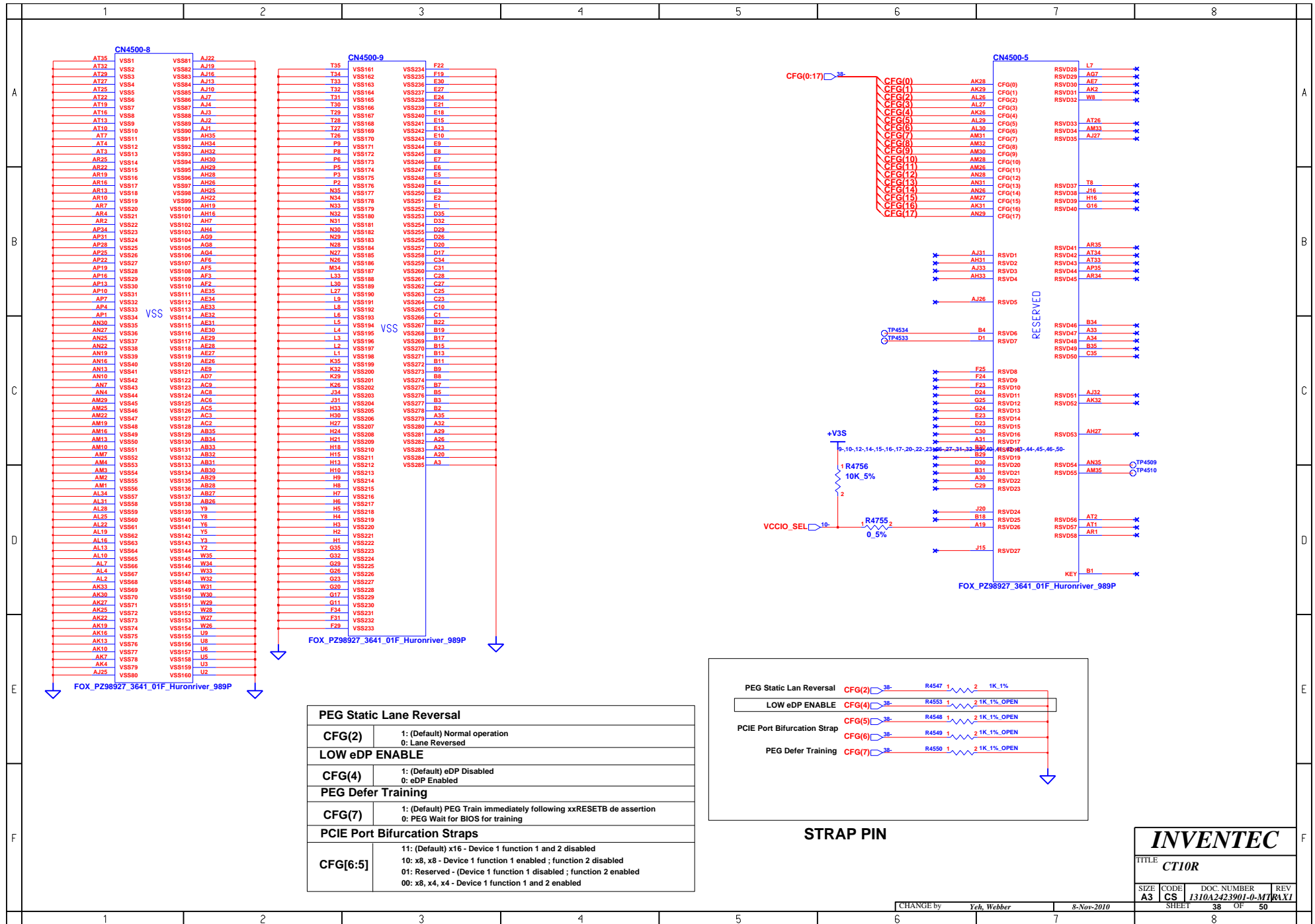








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SHEET		37	OF 50

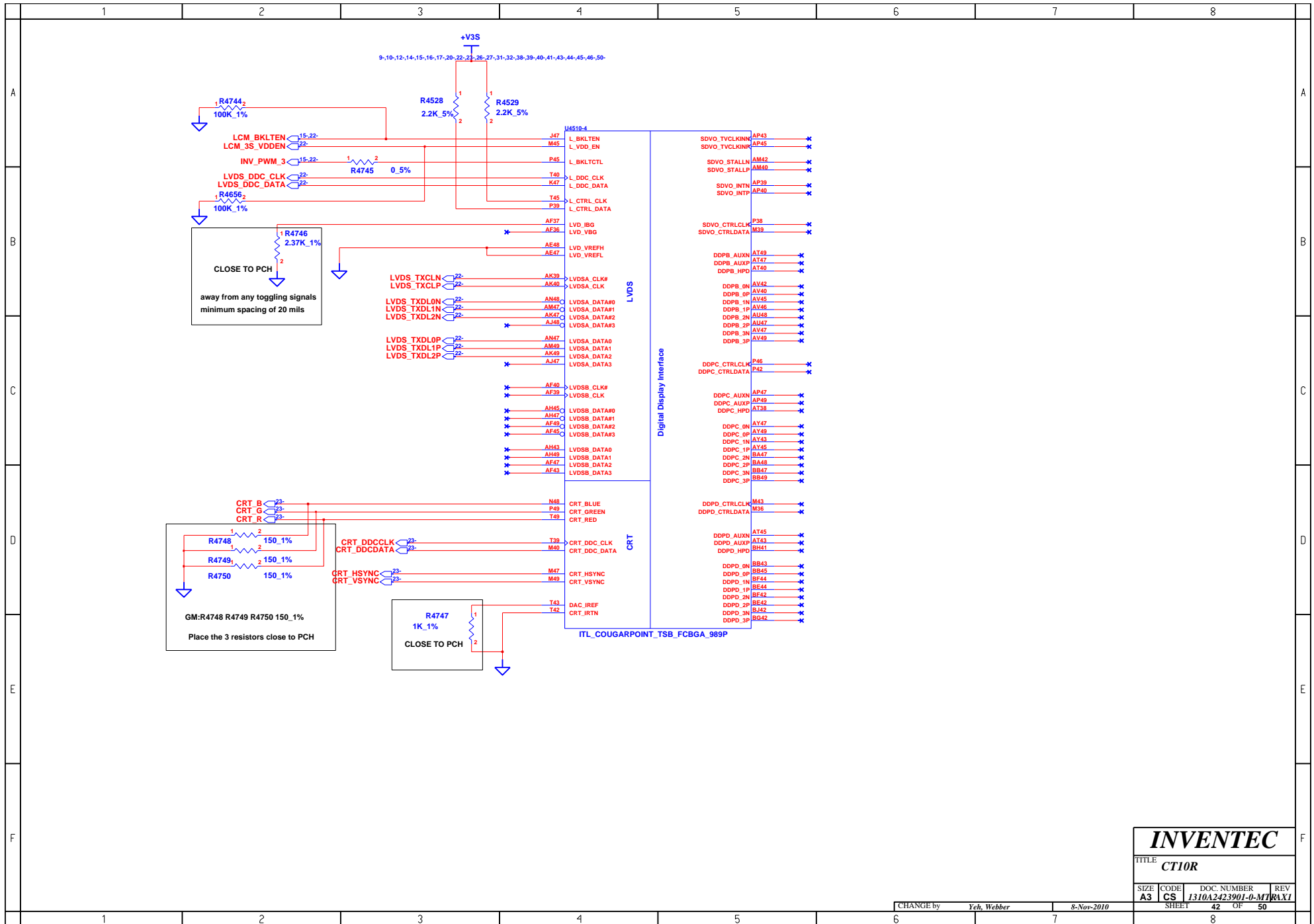












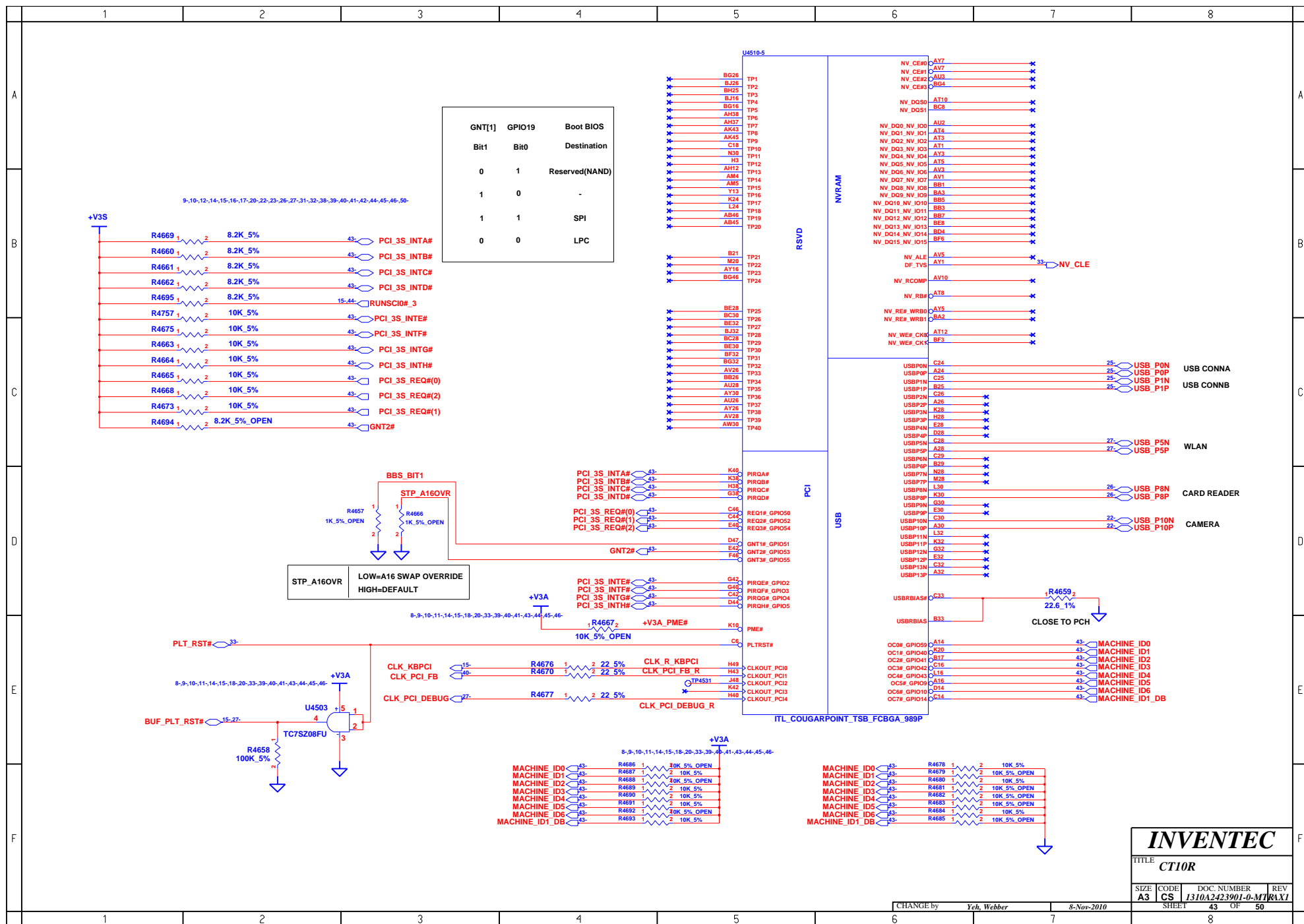
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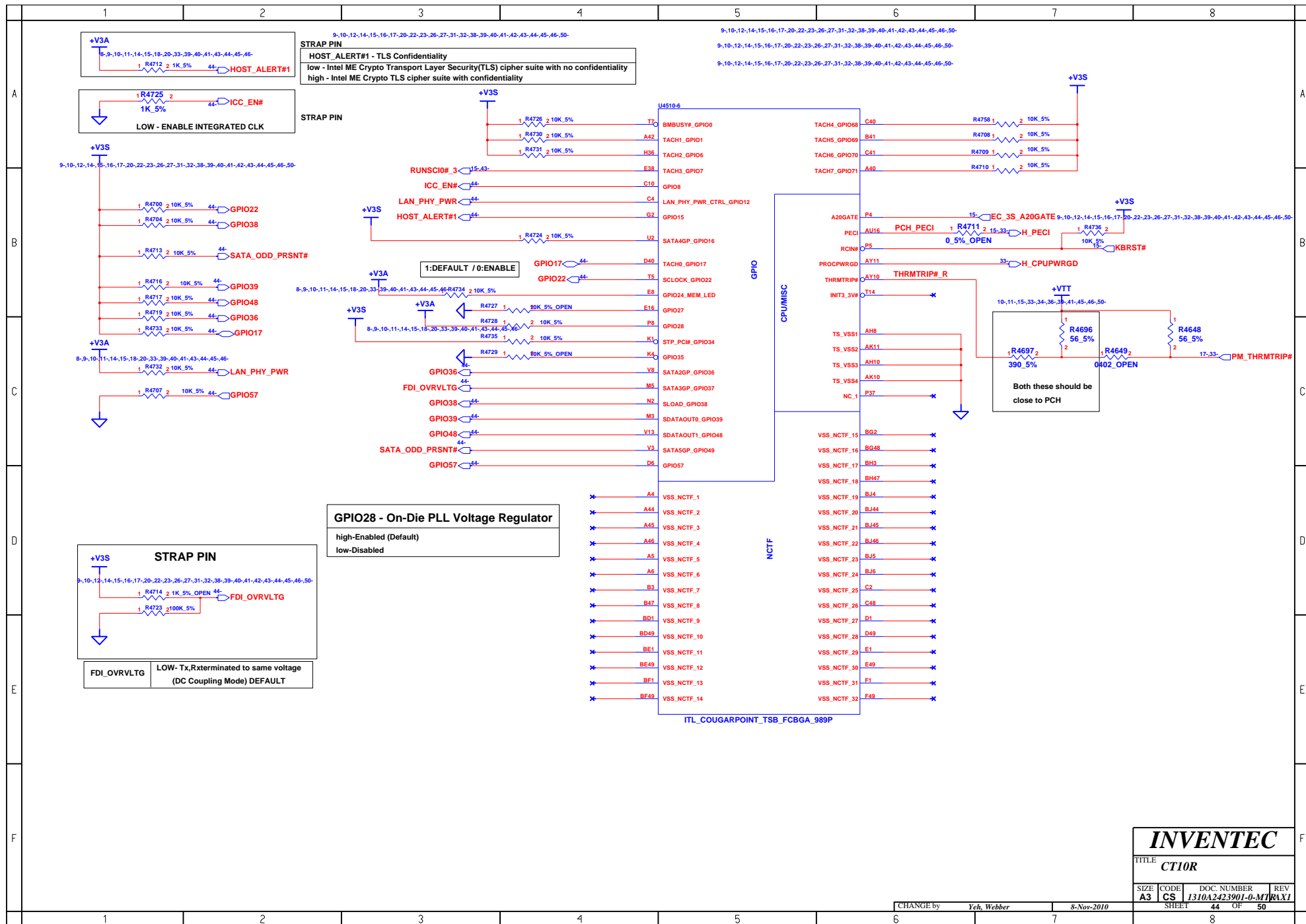
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CHANGE by Yeh, Webber 8-Nov-2010

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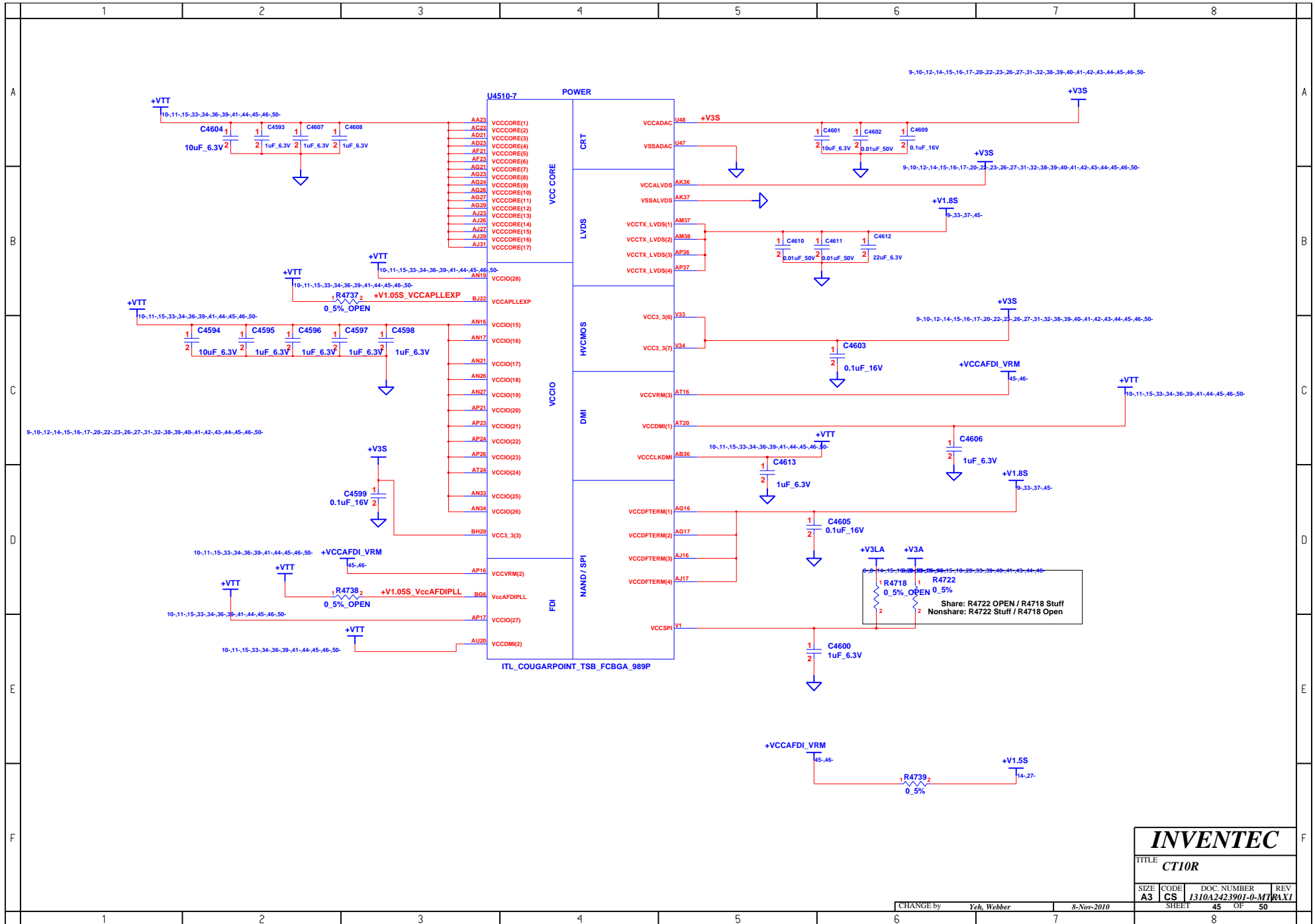
**INVENTEC**

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CT10R

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CHANGE by Yeh, Webber 8-Nov-2010

SHEET 44 OF 50



**INVENTEC**

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CHANGE by Yeh, Webber 8-Nov-2010

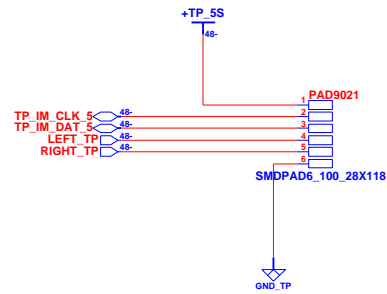
SHEET 45 OF 50



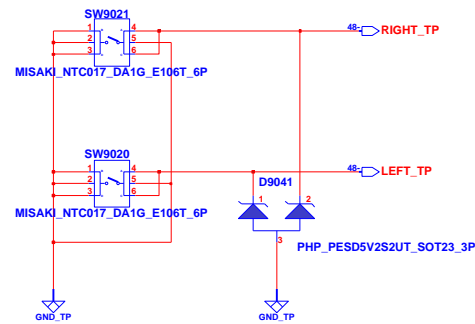
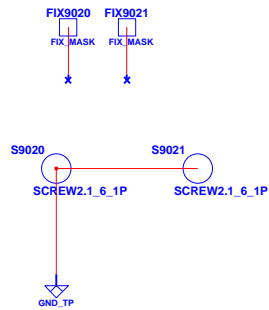
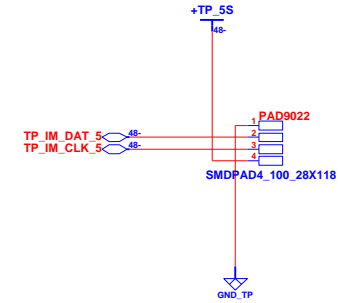


# TOUCH PAD SWITCH BOARD

Connect to Touchpad Module



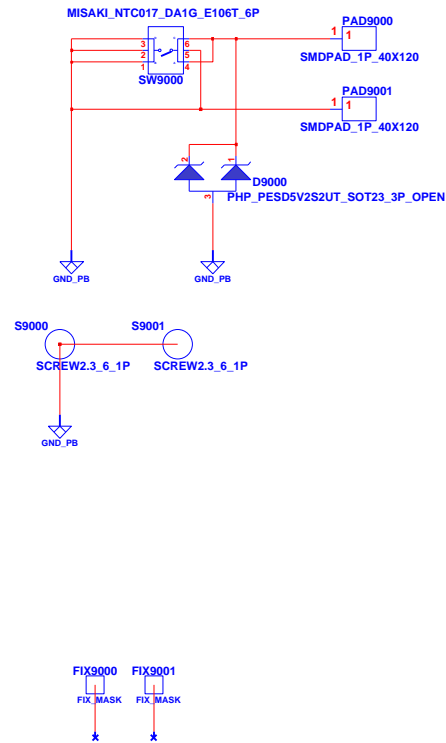
Connect to Mainboard's TP connector



INVENTEC			
TITLE CT10R			
SIZE A3	CODE CS	DOC. NUMBER 1310A2423901-0-MT	REV RAXI
CHANGE by Yeh, Webber		8-Nov-2010	SHEET 48 OF 50



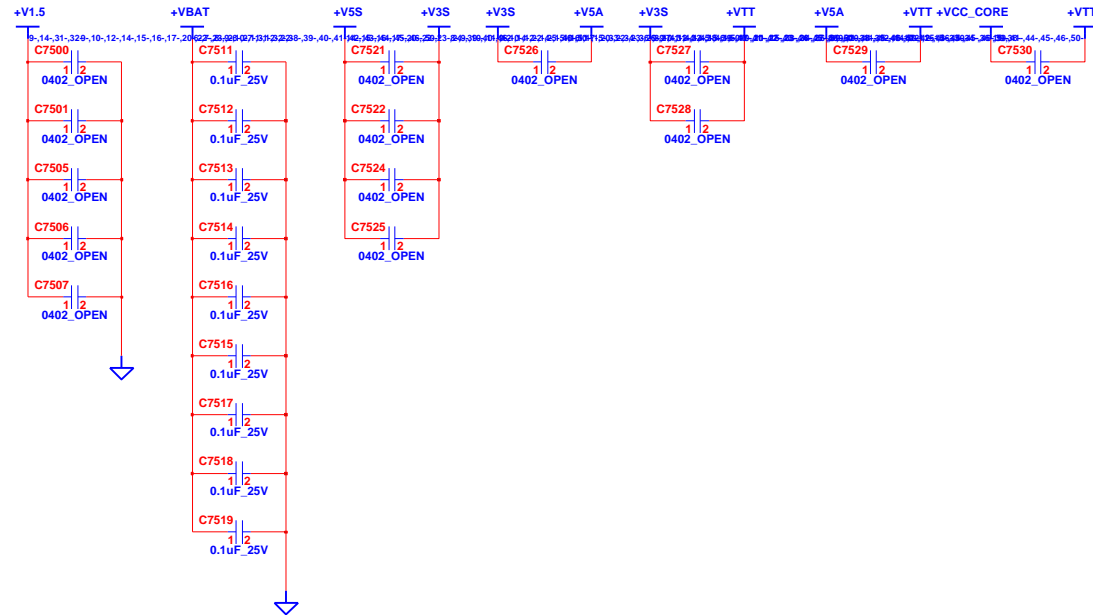
# POWER BOARD



INVENTEC			
TITLE CT10R			
SIZE A3	CODE CS	DOC. NUMBER 1310A2423901-0-MT	REV MAX1
SHEET 49		OF 50	

CHANGE by Yeh, Webber 8-Nov-2010

# EMI

**INVENTEC**TITLE  
CT10R

SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2423901-0-MT	MAX1

CHANGE by Yeh, Webber 8-Nov-2010

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