

# Chelsea 10AT (W/LFB)

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**CS BUILD (AX1)**

**2009.06.15**

**INVENTEC**

TITLE  
**CS10AT**

SIZE	CODE	DOC. NUMBER	REV
A3	CS	I310A22933-0-0	A

CHANGE by	DATE
Alvin Tsai	16-Jun-2009

SHEET	1	OF	70

# TABLE OF CONTENTS

## PAGE

1. COVER PAGE
2. INDEX
3. BLOCK DIAGRAM
4. POWER SEQUENCE BLOCK
5. PCB
6. SYSTEM POWER
7. SYSTEM POWER
8. SYSTEM POWER
9. SYSTEM POWER
10. SYSTEM POWER
11. SYSTEM POWER
12. SYSTEM POWER
13. SYSTEM POWER
14. SUPER I/O(KBC)
15. CIR
16. K/B & TP/B CONN
17. FAN & THERMAL
18. LAN
19. RJ45 & TRANSFORMER
20. AUDIO CODEC
21. SPDIF & MIC & HP
22. MDC
23. Display Port
24. LCM
25. RGB CONN
26. CEC
27. HDMI CONN
28. EXPRESS CARD CONN
29. CARDBUS CONN
30. CARDBUS CONN

## PAGE

31. MEM CARD READER & 1394 CONN
32. SATA HDD & ODD
33. E-SATA
34. USB CONN
35. BLUE TOOTH
36. CAMERA
37. FINGERPRINT
38. FELICA
39. FM
40. WLAN
41. 3G
42. WUSB
43. 3D Seneor
44. KILL SW
45. LID SW
46. LED
47. CONNECTOR
48. CLOCK GENERATOR
49. DDR2 DIMM0
50. DDR2 DIMM1
51. DDR DAMPING
52. CPU 1
53. CPU 2
54. CPU 3
55. CPU 4
56. N/B 1
57. N/B 2
58. N/B 3
59. N/B 4
60. S/B 1

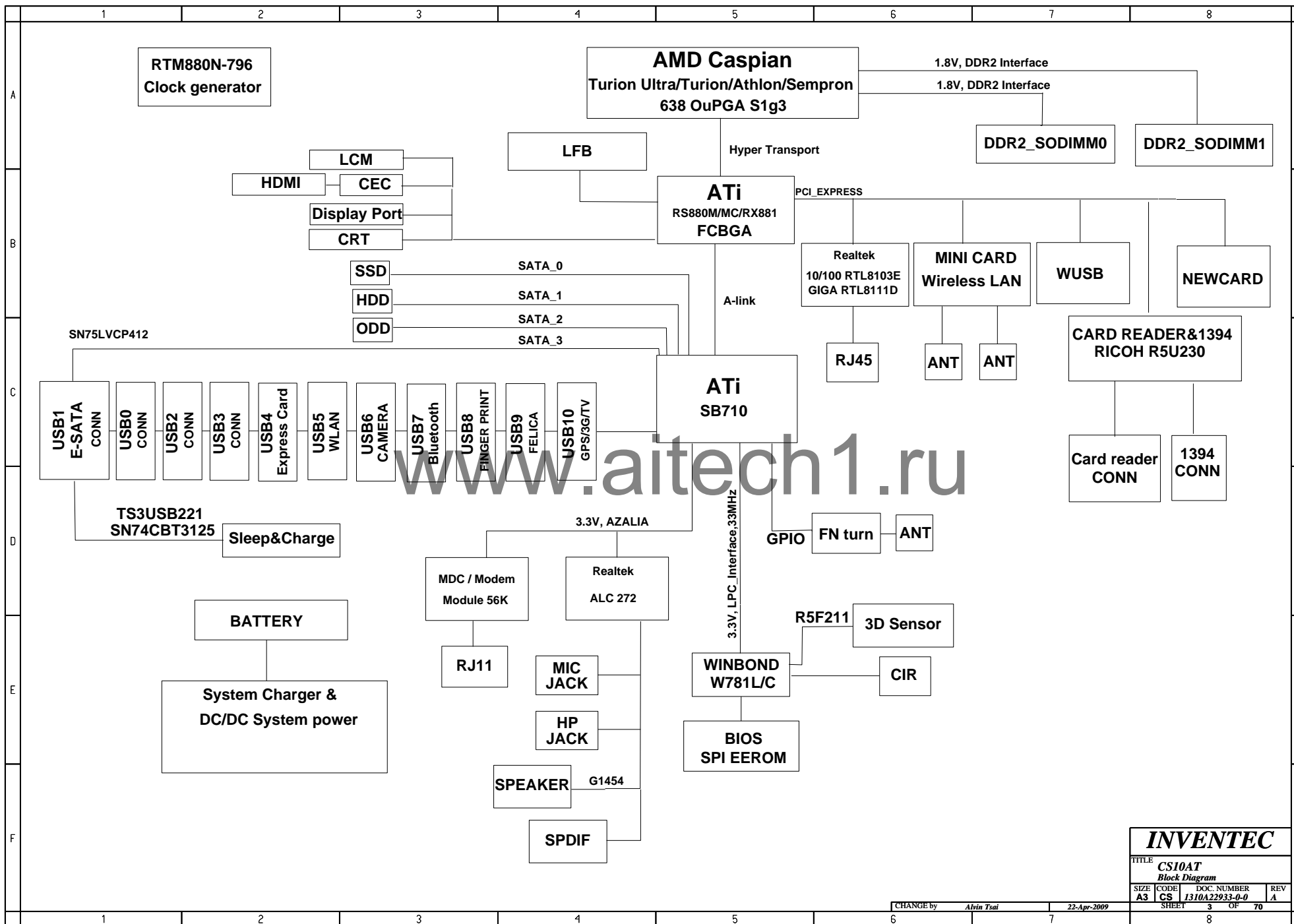
## PAGE

61. S/B 2
62. S/B 3
63. S/B 4
64. LFB
65. EMI
66. Pick Button Board
67. TouchPad Switch Board
68. LED Board
69. Logo LED Board
70. Power Board

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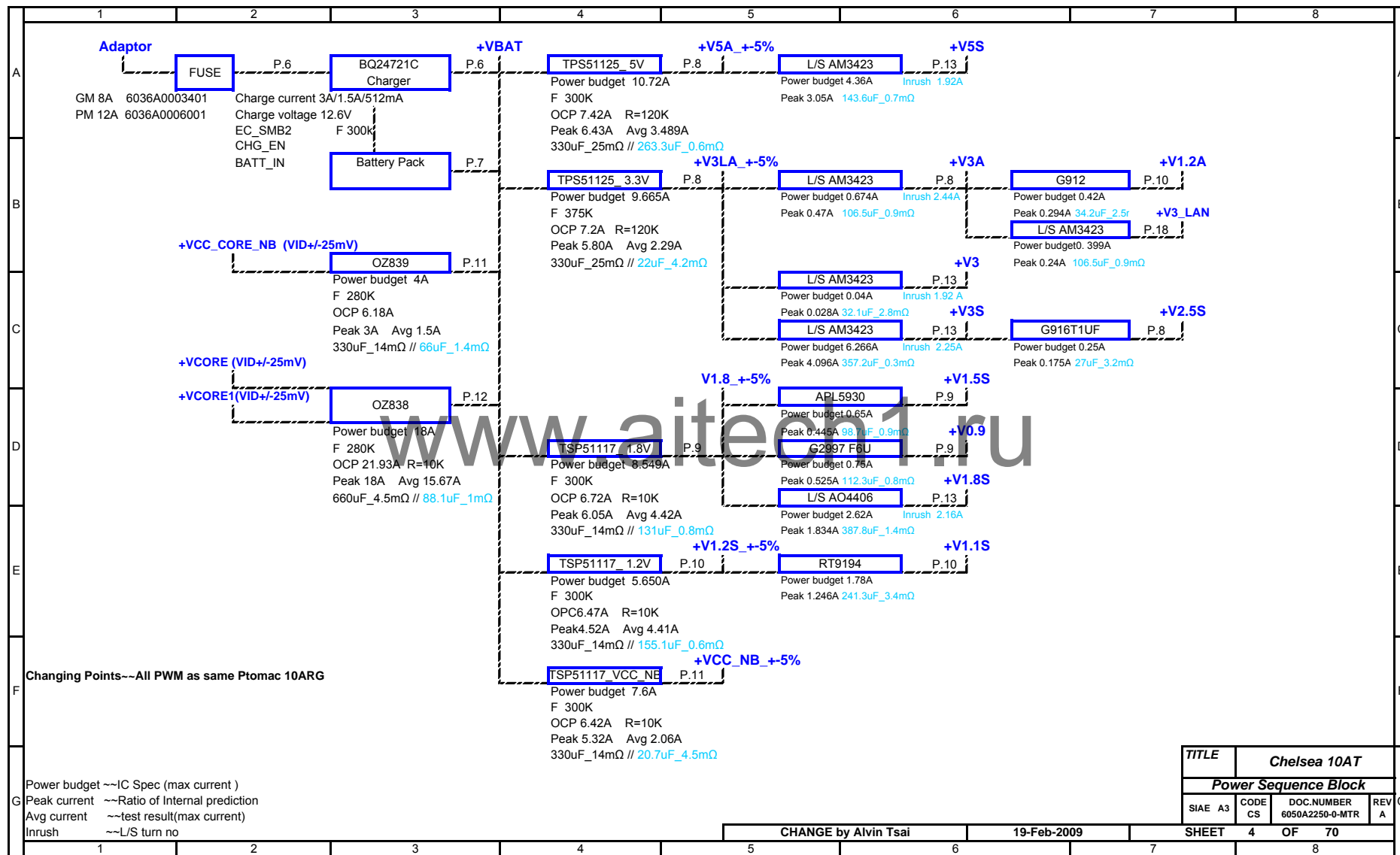
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CS10AT			
Index			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A22933-0-0	A
SHEET		2	OF 70

CHANGE by Alvin Tsai 7-Apr-2009

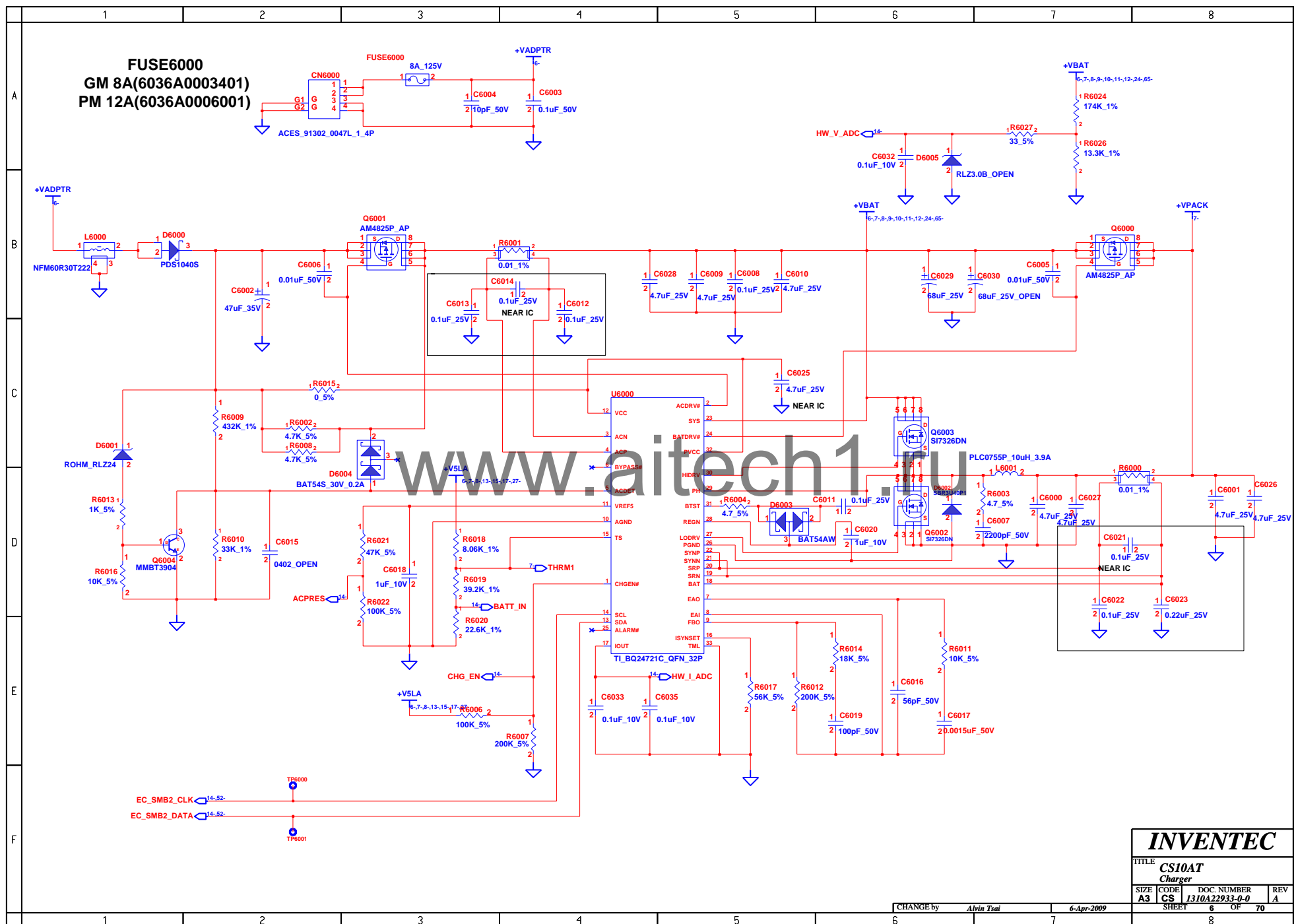


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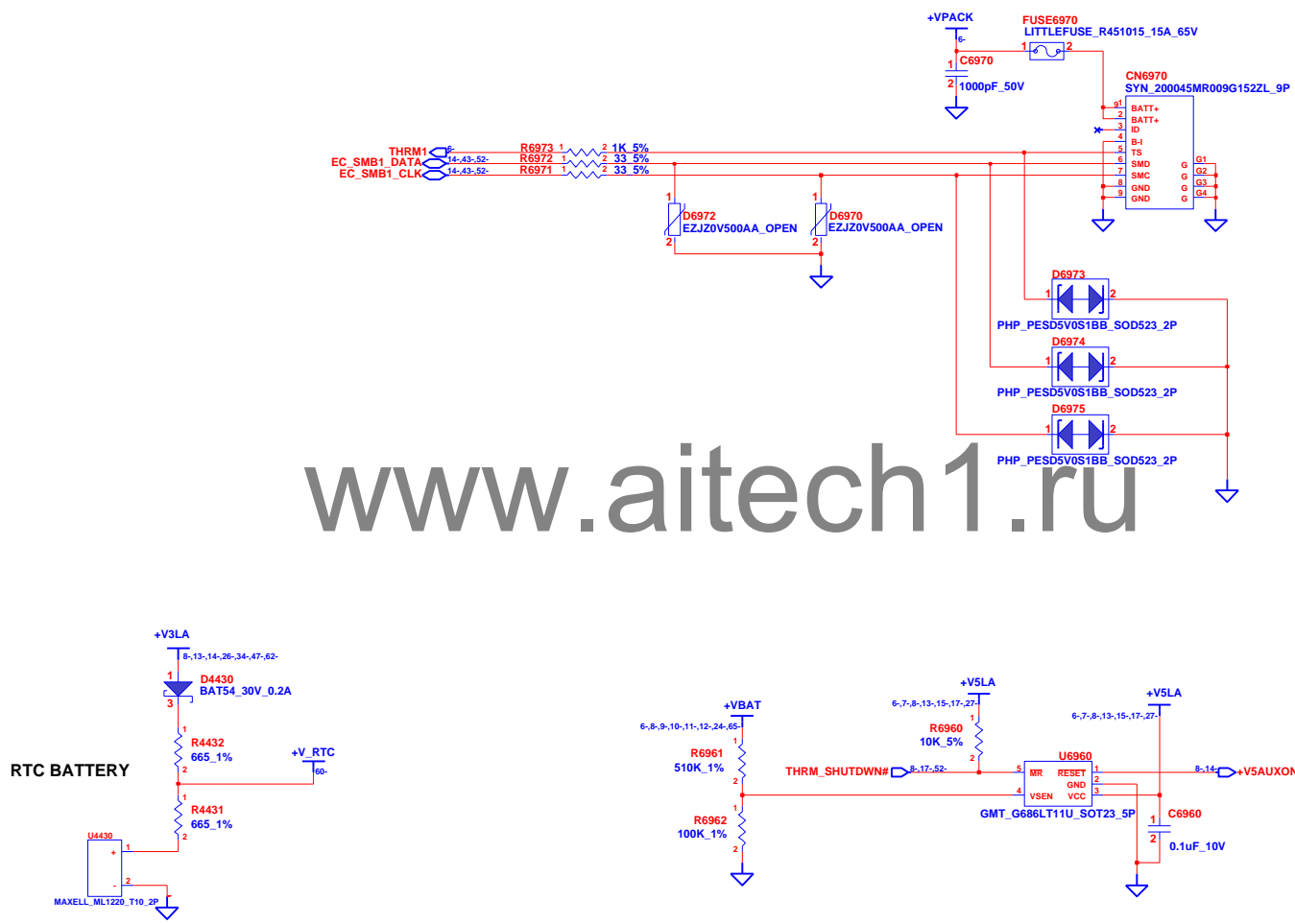
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Block Diagram			
SIZE	CODE	DOC. NUMBER	REV
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CHANGE by		22-Apr-2009	
SHEET		3	OF 70







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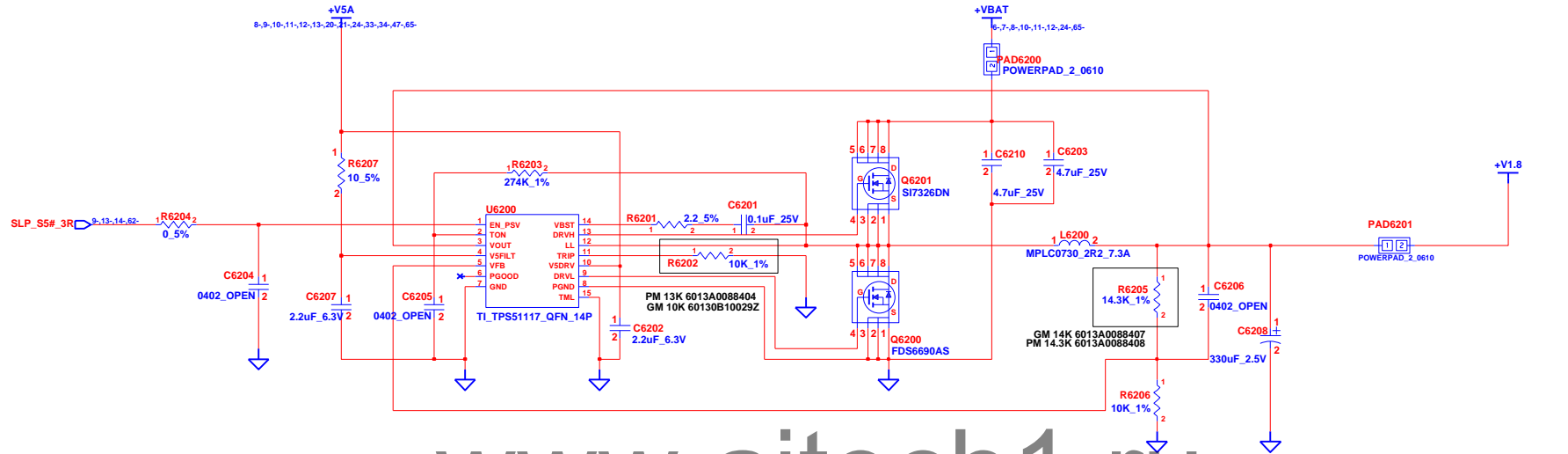


INVENTEC			
TITLE			
CS10AT			
Battery, Reset IC			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A22933-0-0	A
CHANGE by		6-Apr-2009	
SHEET		7 OF 70	

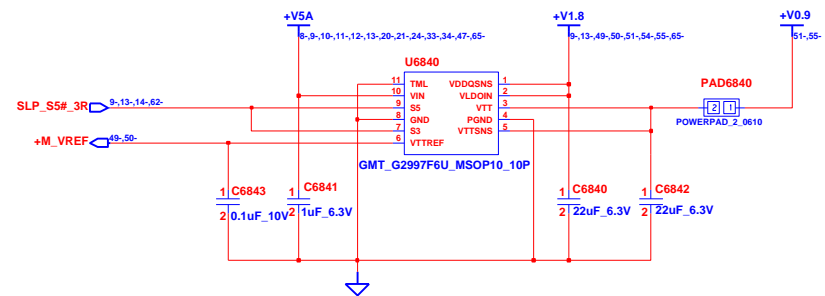
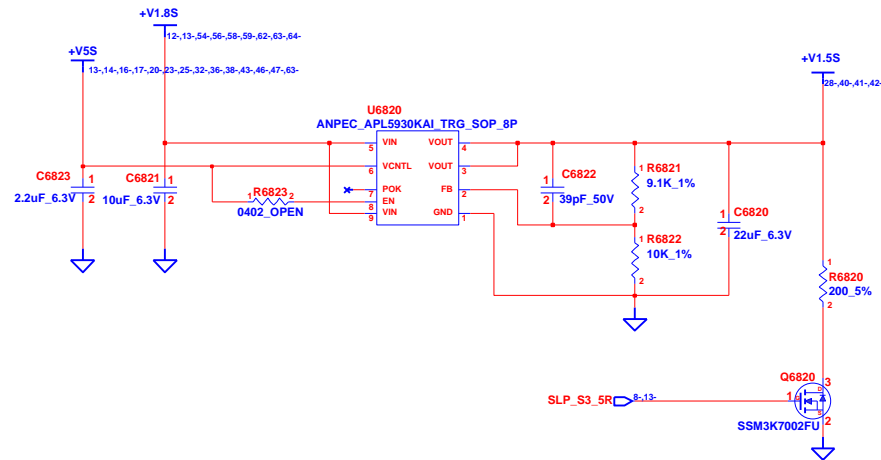




**+V1.8 +V0.9 +V1.5S**



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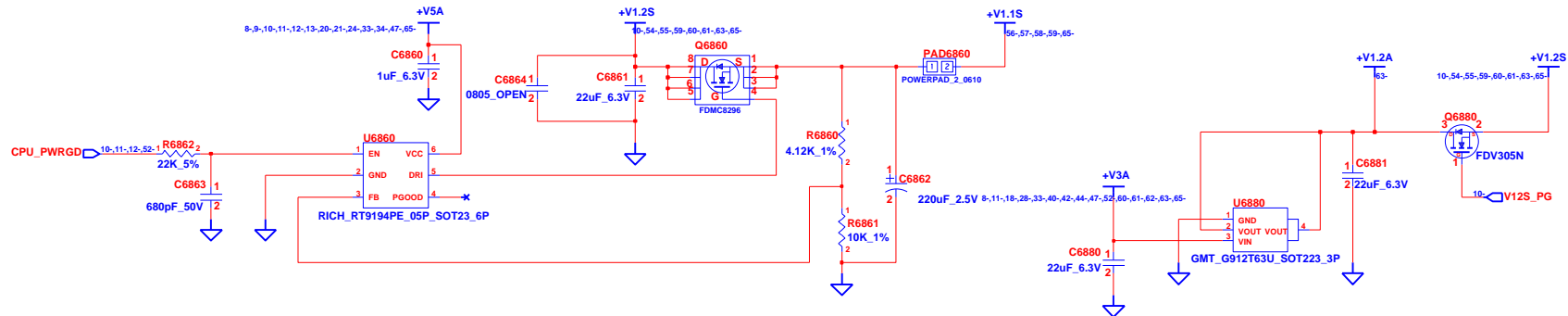
**INVENTEC**

TITLE  
**CS10AT**  
**+V1.8, +V0.9, +V1.5S**  
SIZE CODE DOC NUMBER REV  
**A3 CS 1310A22933-0-0 A**

CHANGE by *Alvin Tsai* 6-Apr-2009

SHEET 9 OF 70

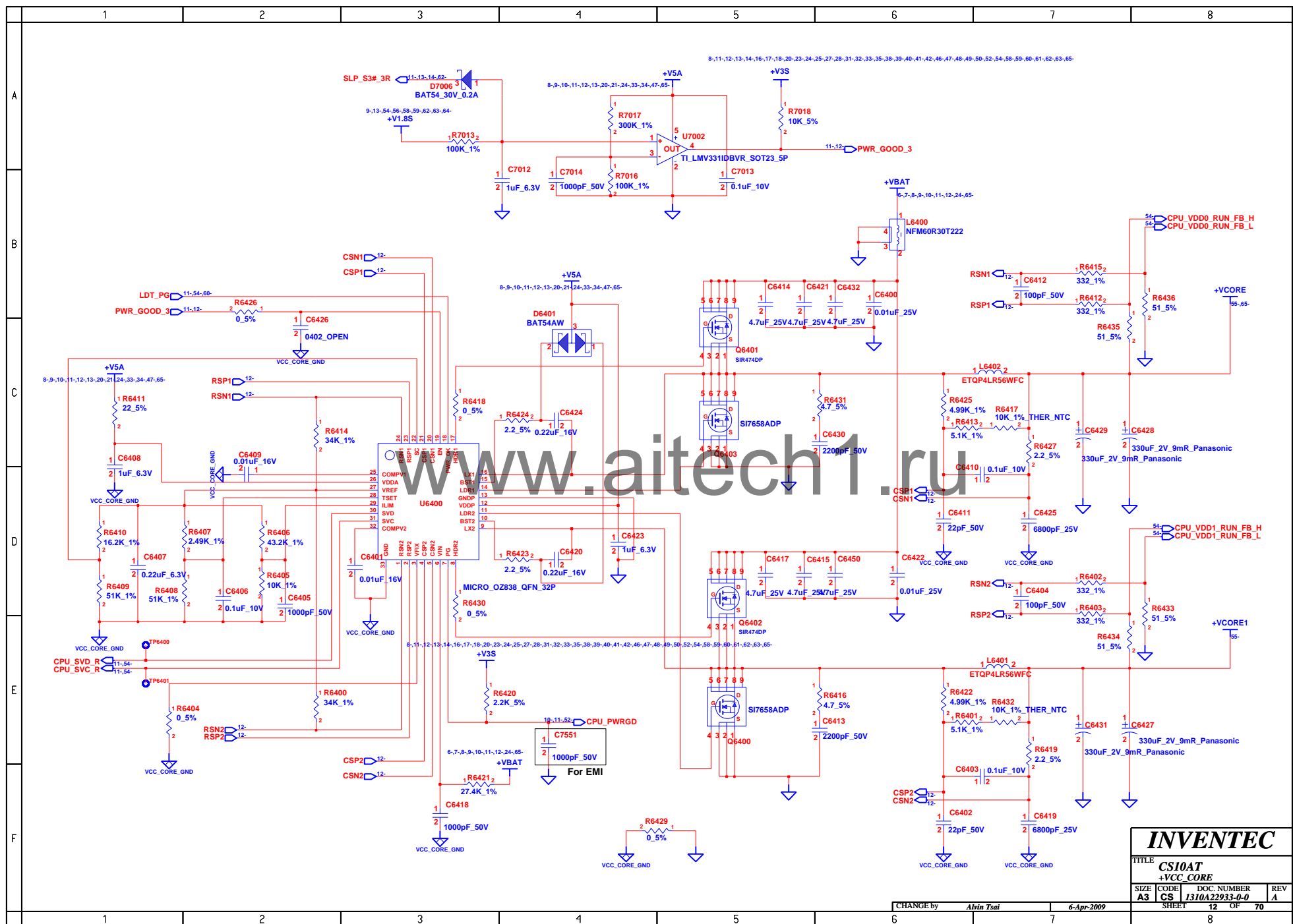
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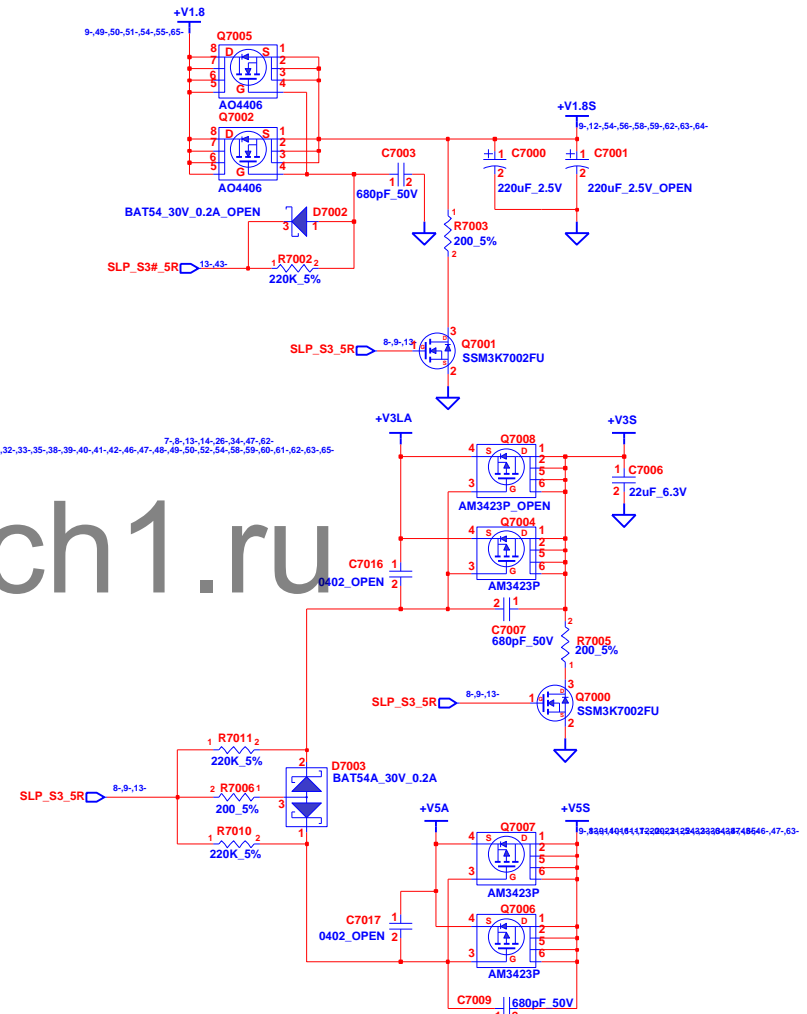
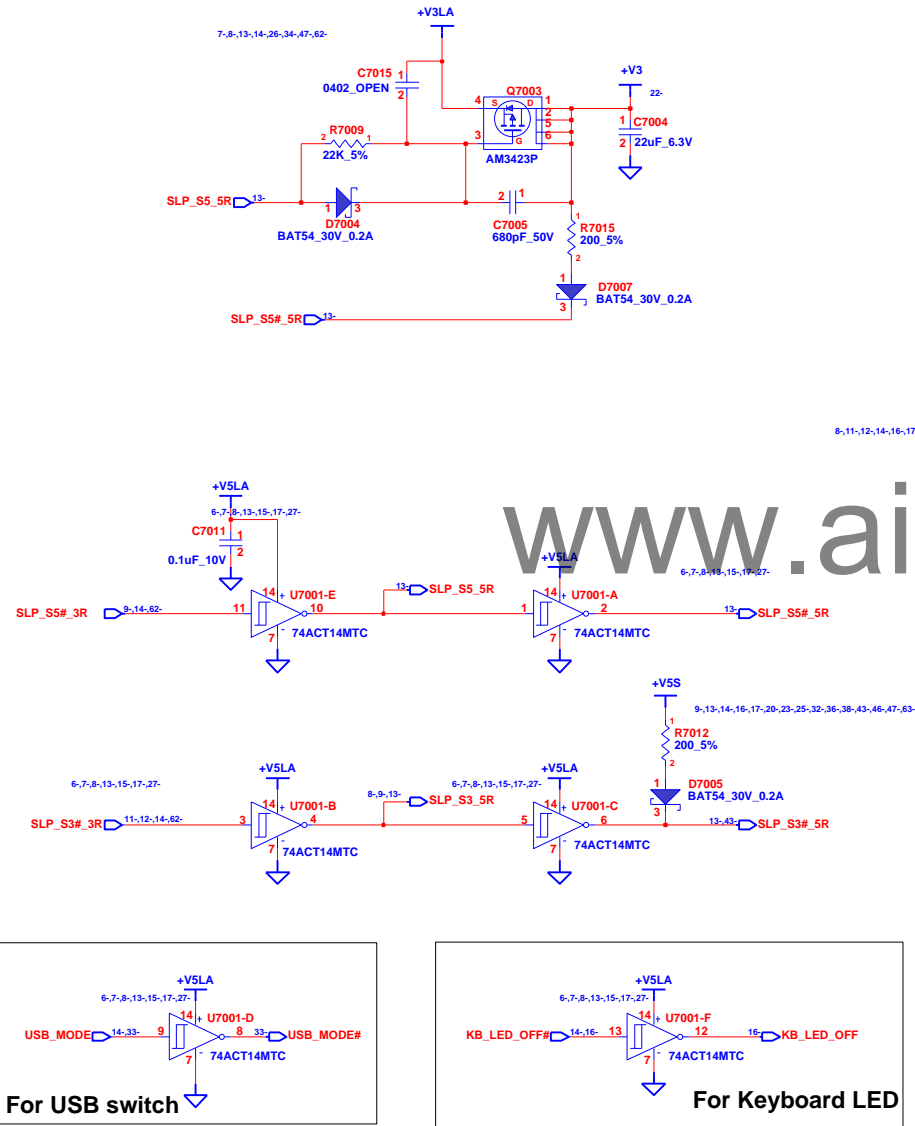
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<b>CS10AT</b> <b>+VI.2A, +VI.IS</b>			
SIZE	CODE	DOC. NUMBER	REV
<b>A3</b>	<b>CS</b>	<b>1310A22933-0-0</b>	<b>A</b>
SHEET		10	OF 70

CS	1310A22933-0-0	
SHEET	10	OF 70



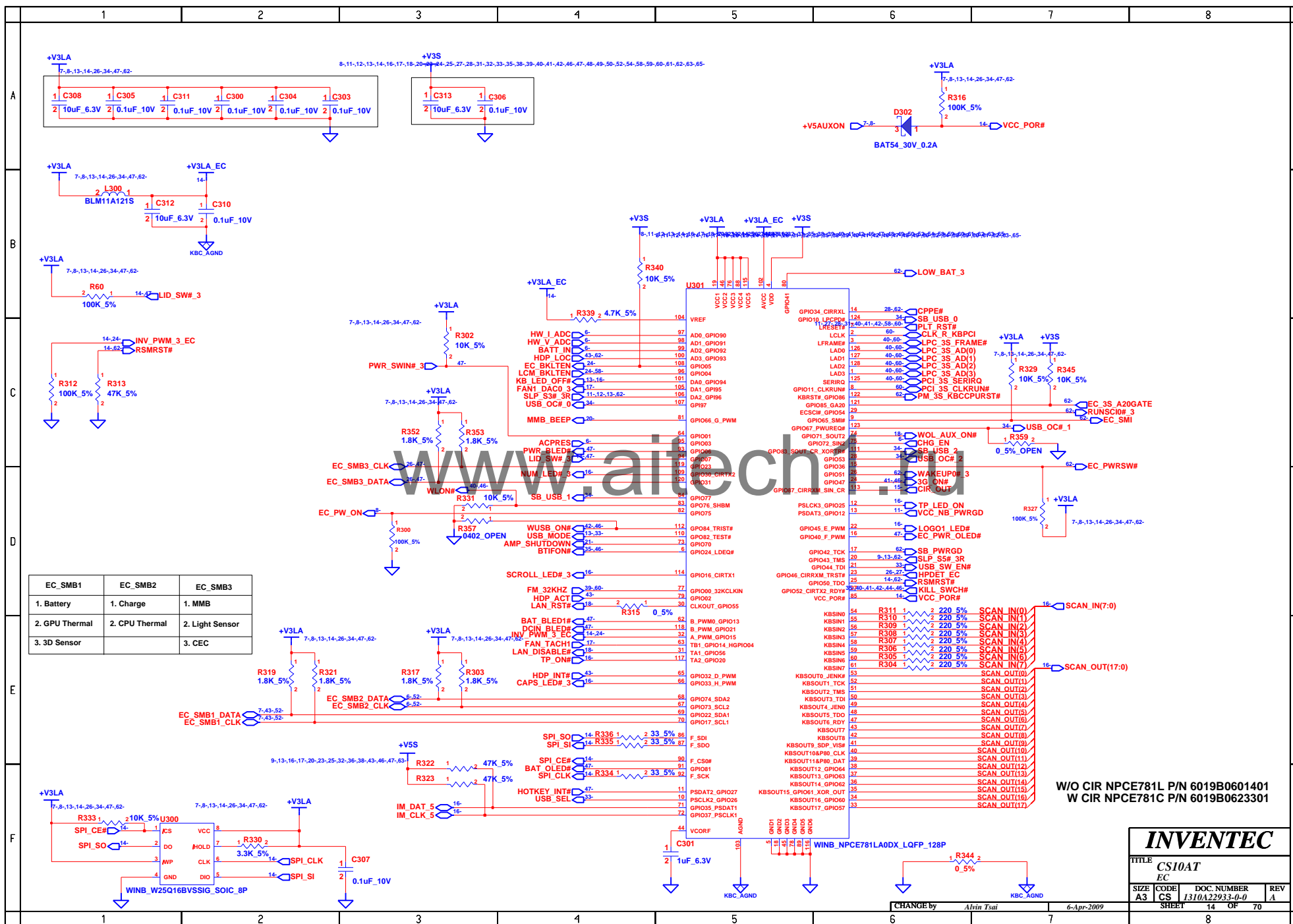


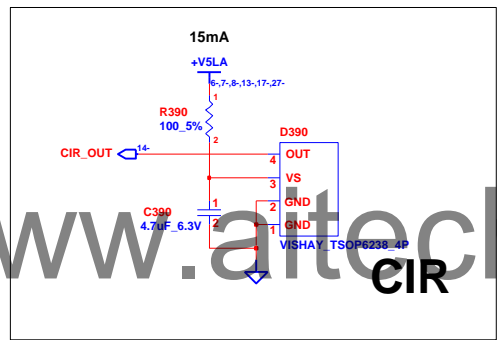
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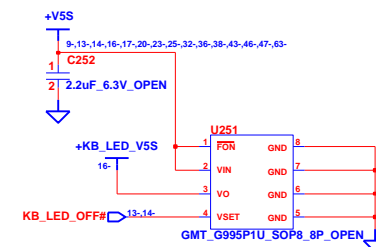
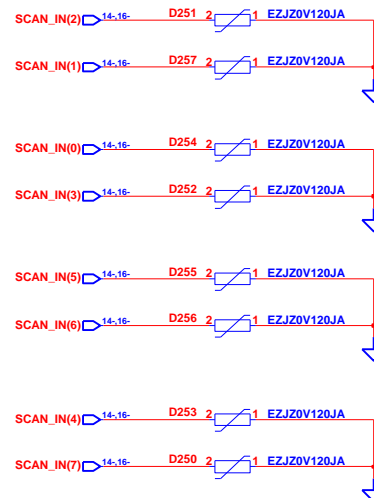
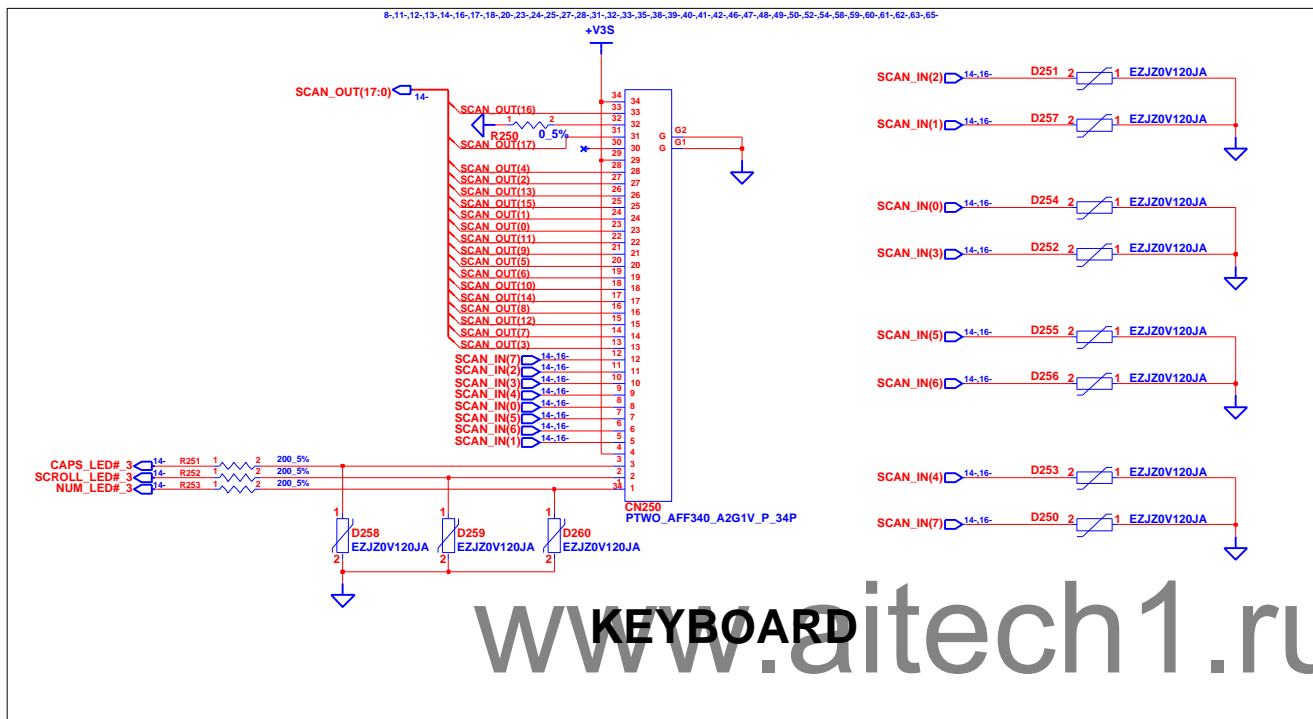
**INVENTEC**

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CS10AT			
+V3 +V5S +V3S +V1.8S +V1.2S			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A22933-0-0	A
CHANGE by		Alvin Tsai	6-Apr-2009
SHEET		13	OF 70



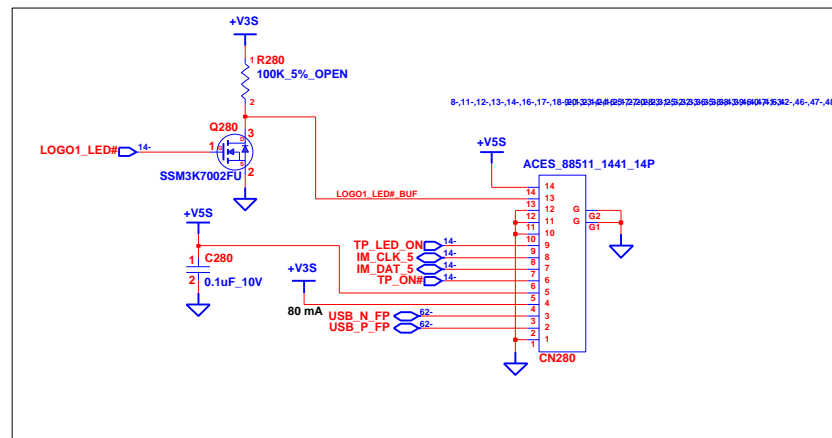


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TITLE CS10AT CIR			
SIZE A3	CODE CS	DOC. NUMBER 1310A22933-0-0	REV A
CHANGE by Alvin Tsai		6-Apr-2009	
SHEET 15		OF 70	

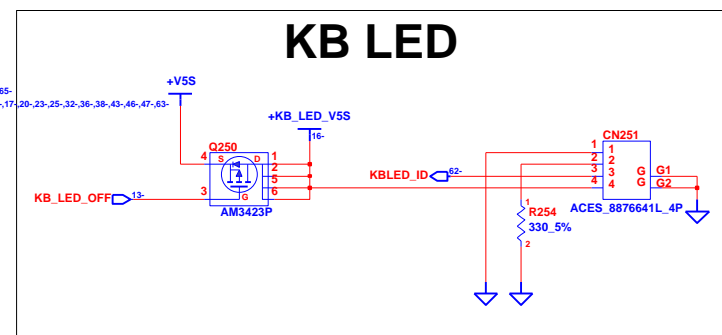


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## LOGO LED & Touchpad & Finger Print



## KB LED

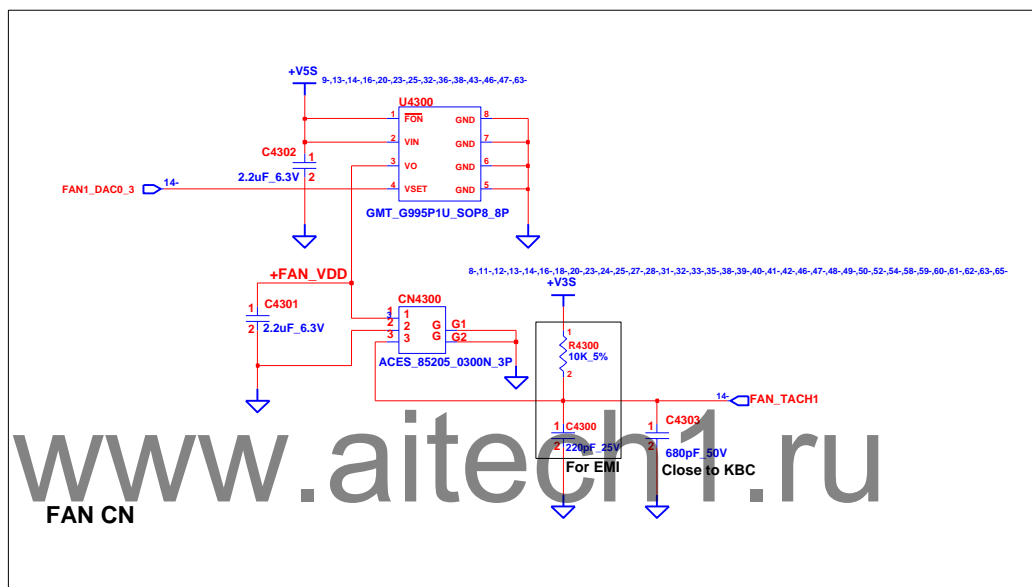


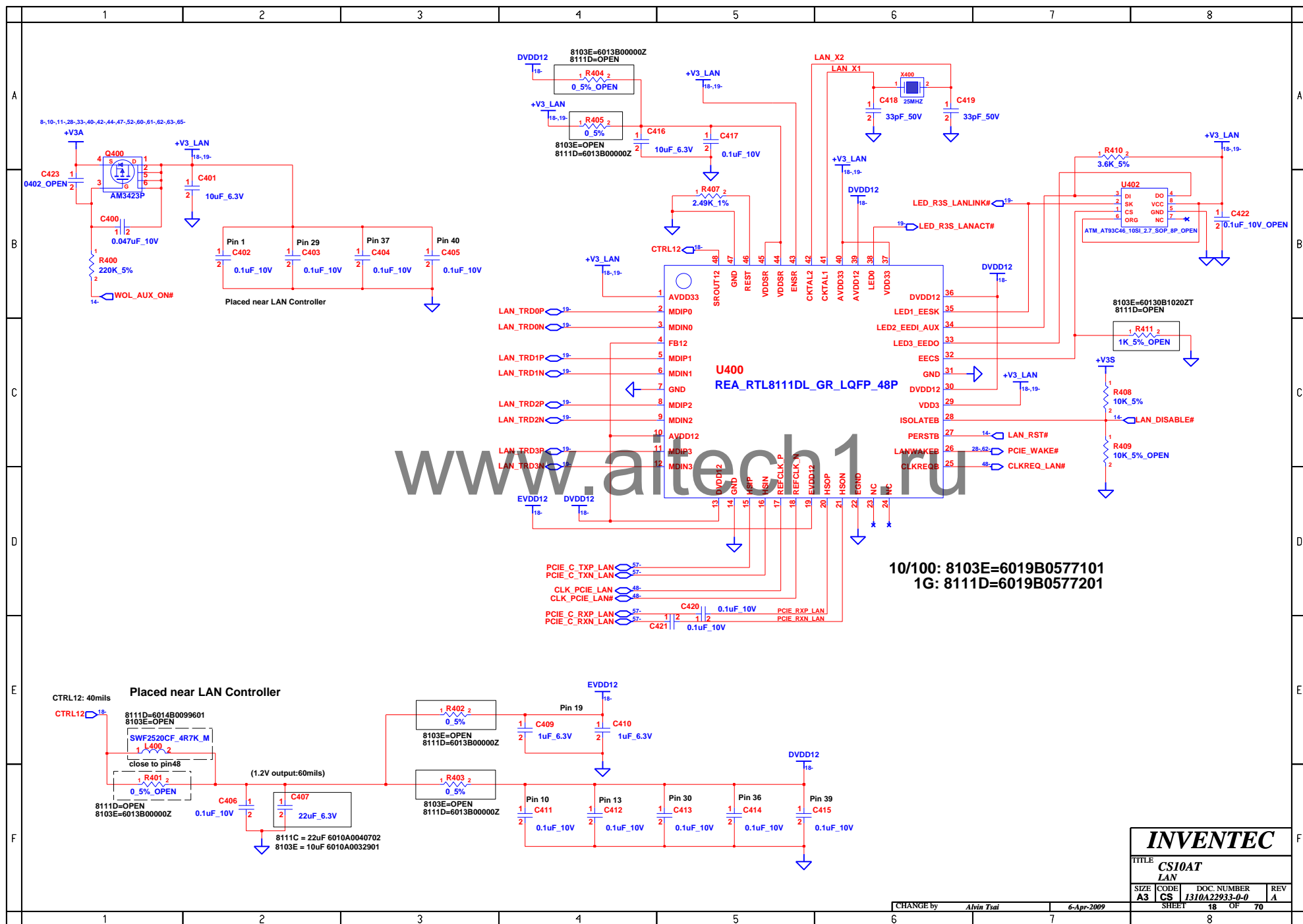
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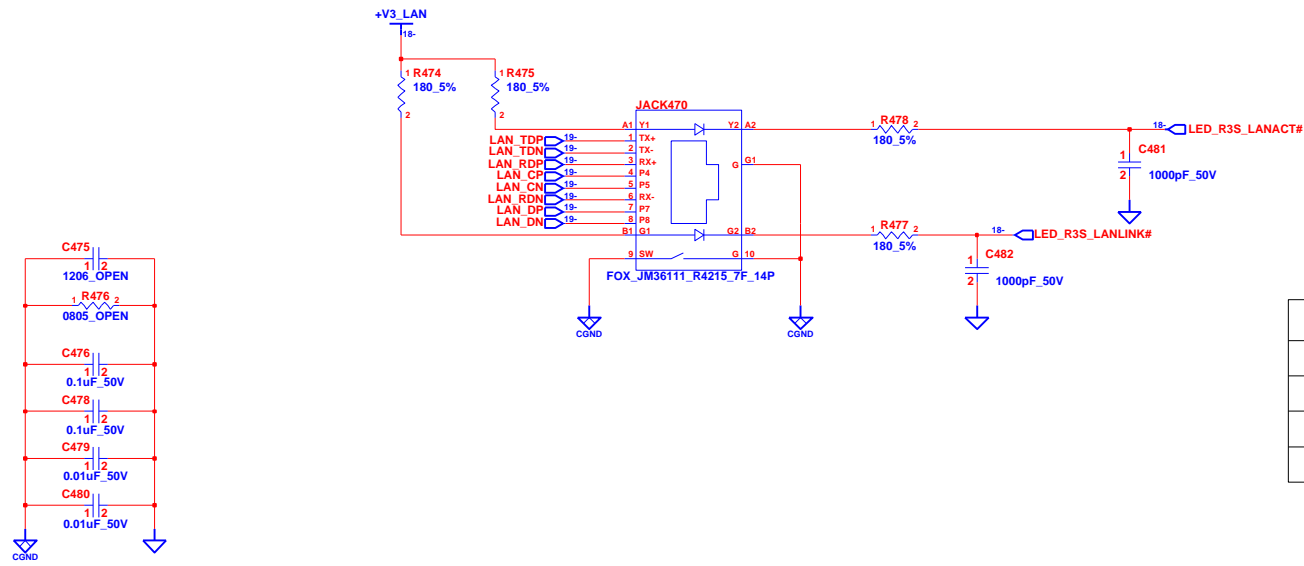
TITLE			
CS10AT			
Keyboard, Touch PAD			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A22933-0-0	A
SHEET		16	OF 70

CHANGE by Alvin Tsai 6-Apr-2009



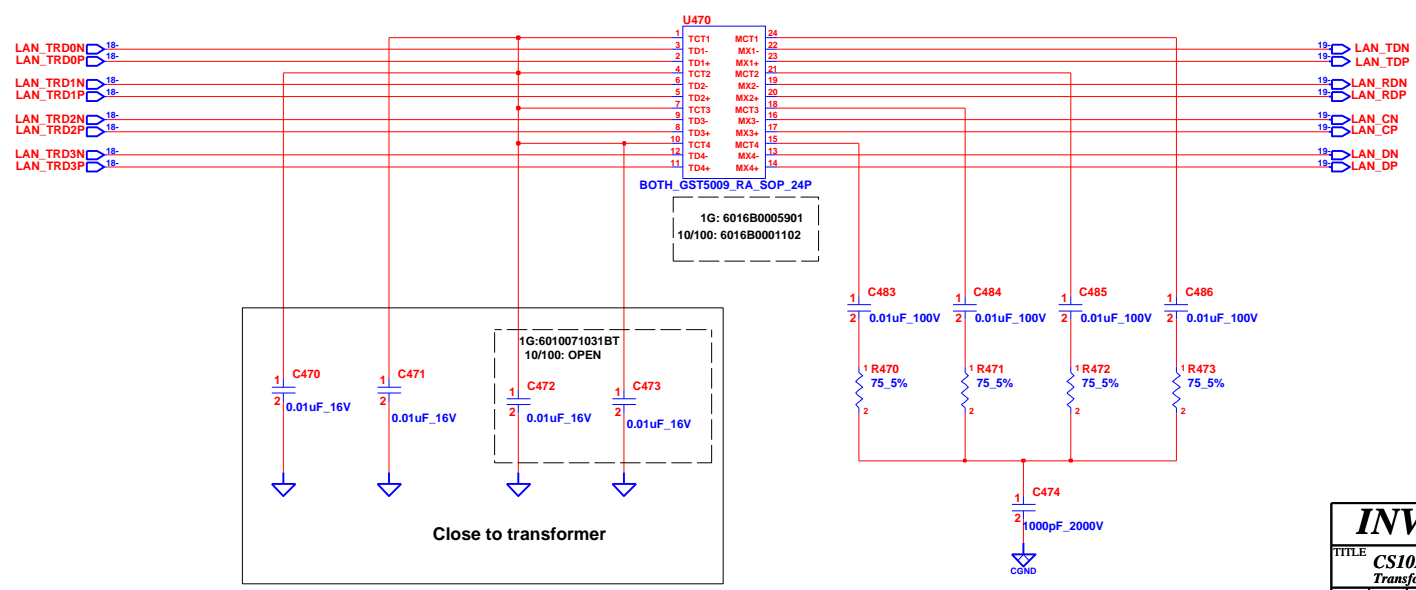




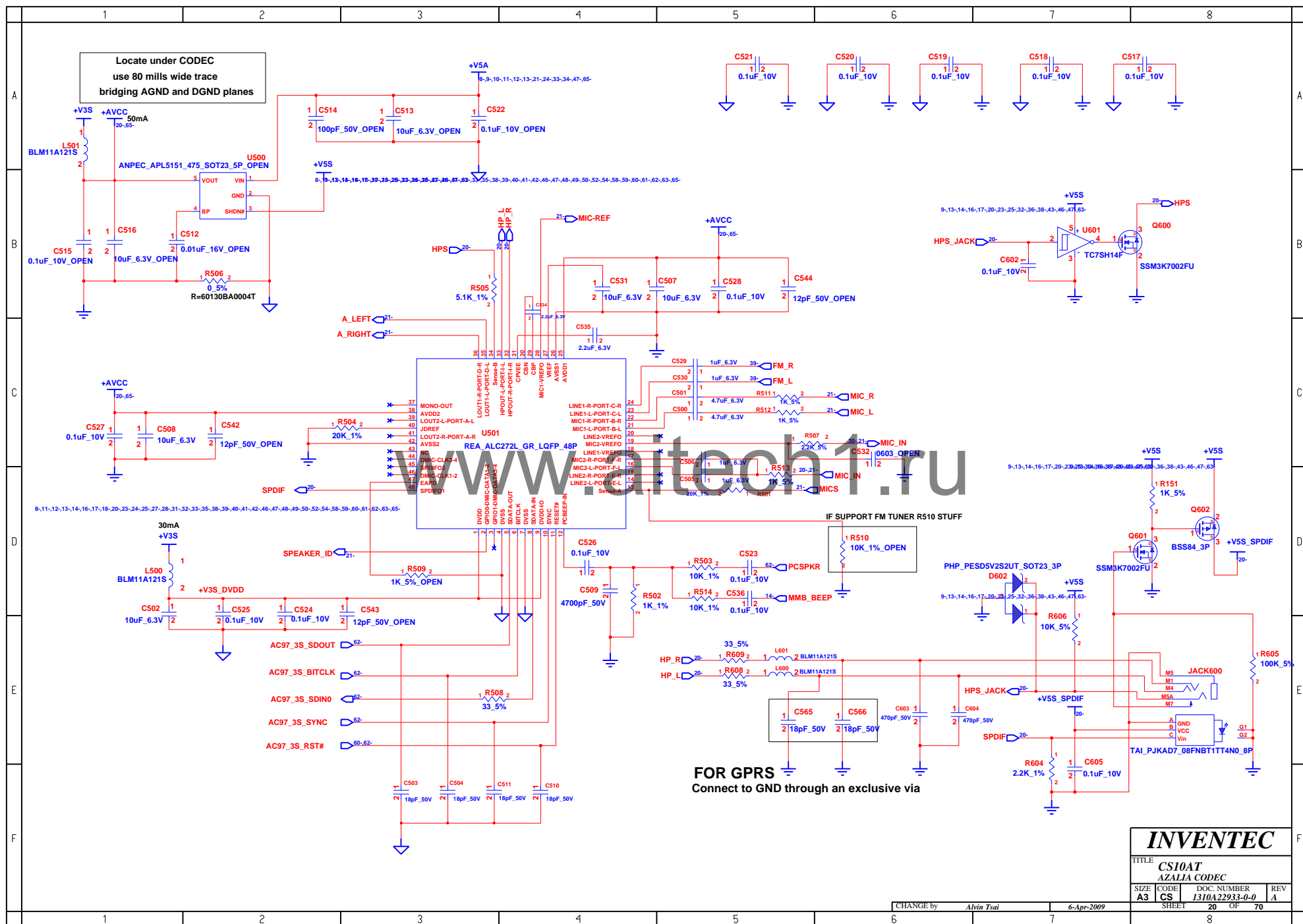


LED	00	* 01	10	11
LED0	Tx/Rx	Tx/Rx	Tx	LINK10 ACT
LED1	LINK100	LINK 10/100/1000	LINK	LINK100 ACT
LED2	LINK10	LINK10/100	Rx	ULL
LED3	LINK1000	LINK1000	ULL	LINK1000 ACT

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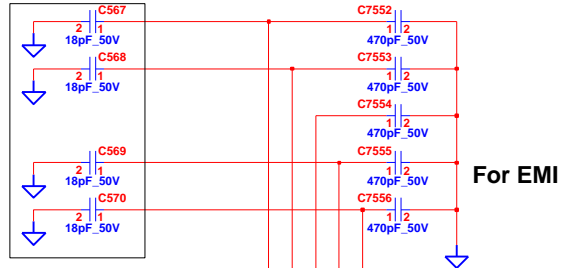


INVENTEC			
TITLE CS10AT Transformer, RJ45			
SIZE A3	CODE CS	DOC. NUMBER 1310A22933-0-0	REV A
CHANGE by Alvin Tsai		6-Apr-2009	
SHEET 19		OF 70	

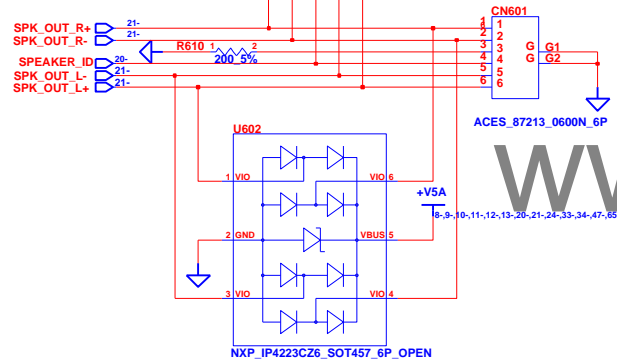


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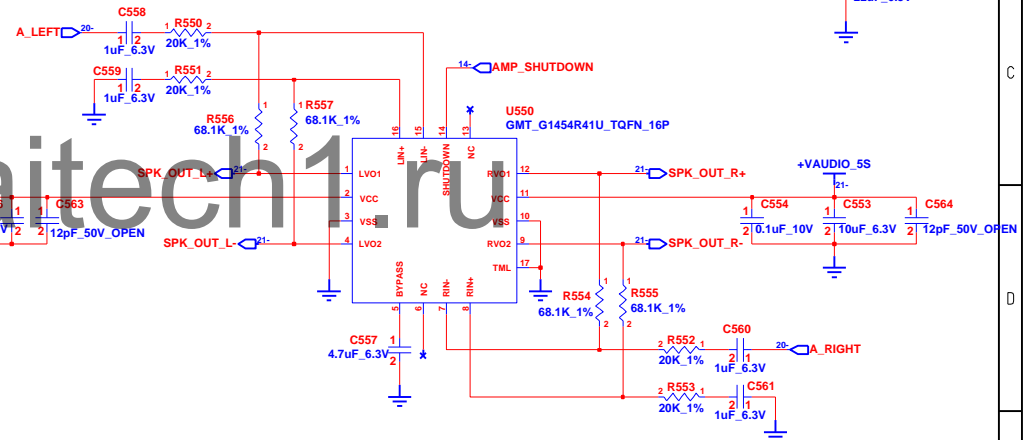
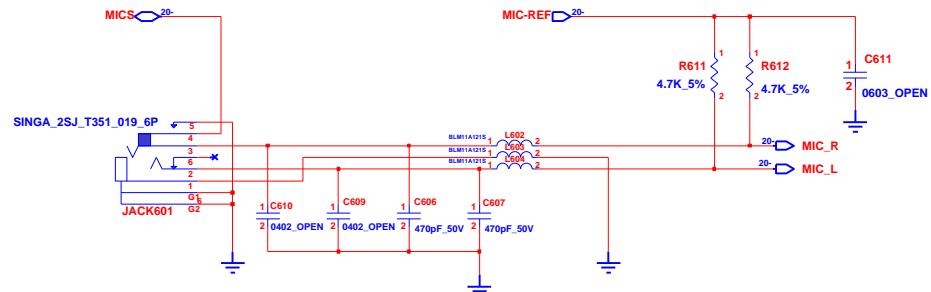
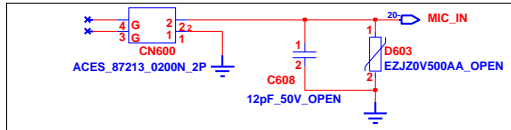
Connect to GND through an exclusive via



## INTERNAL SPEAKER



## INTERNAL MIC



**INVENTEC**

TITLE		
CS10AT		
AUDIO AMP & MIC & SPEAKER		
SIZE	CODE	DOC. NUMBER
A3	CS	I310A22933-0-0
REV		REV
A		A

CHANGE by Alvin Tsai

6-Apr-2009

SHEET 21 OF 70

**MDC**

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MC97\_3S\_SDOOUT  
MC97\_3S\_SYNC  
MC97\_3S\_SDIIN1  
MC97\_3S\_RST#

R690 2.33 5%

CN690

15 GND REVERSED 2  
3 Azalia\_SDC REVERSED 4  
5 GND REVERSED 6  
7 Azalia\_SYNC 3.2V USB-to-out 8  
9 Azalia\_SDI GND 10  
11 Azalia\_RST# Azalia\_BCLK GND 12  
G1 G G4  
G2 G G5  
G3 G G6

TYCO\_1\_1775014\_2\_12P

C691 0.1uF 10V 1 2  
C690 10uF 6.3V 1 2

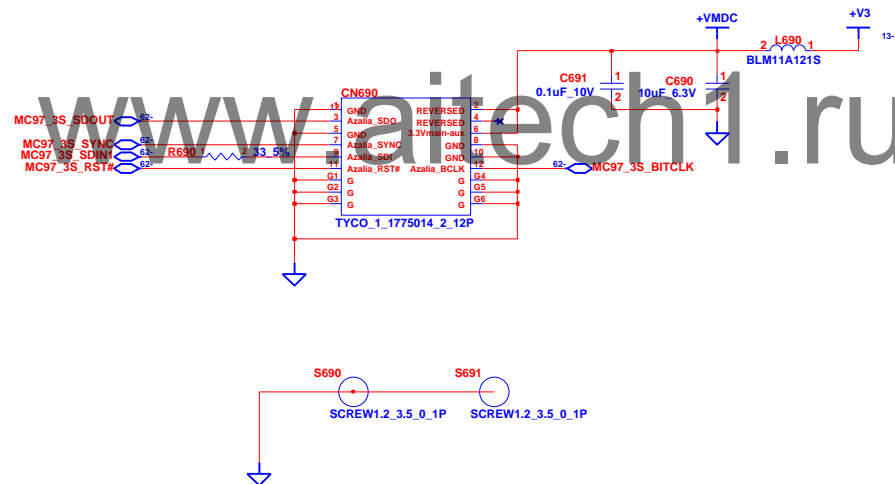
+VMDC  
+V3 13-

BLM11A121S 2 L690 1

MC97\_3S\_BITCLK 62

S690 S691  
SCREW1.2\_3.5\_0\_1P SCREW1.2\_3.5\_0\_1P

INVENTEC			
TITLE CS10AT			
MDC			
SIZE A3	CODE CS	DOC. NUMBER I310A22933-0-0	REV A
CHANGE by Alvin Tsai		6-Apr-2009	SHEET 22 OF 70

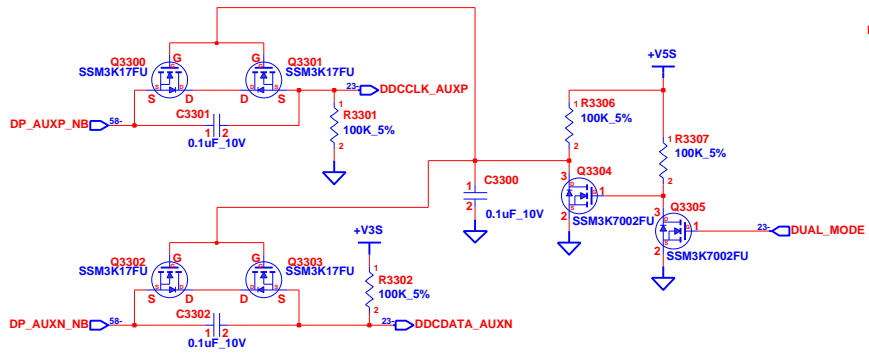
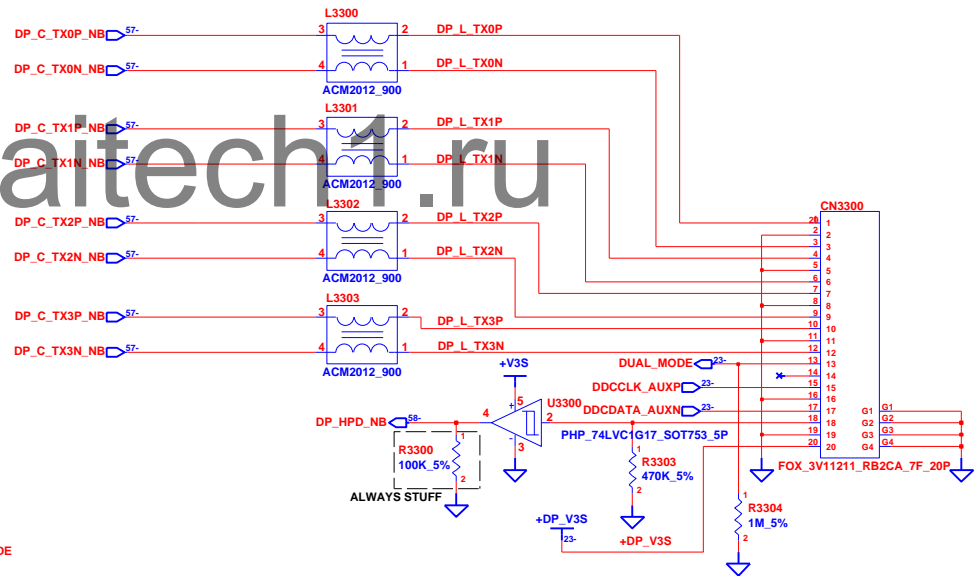
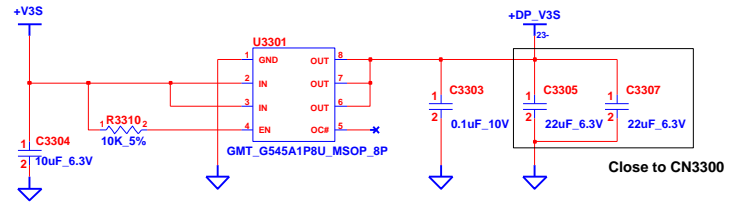


TITLE			
<b>CS10AT</b> <b>MDC</b>			
SIZE	CODE	DOC. NUMBER	REV
<b>A3</b>	<b>CS</b>	<b>1310A22933-0-0</b>	<b>A</b>
SHEET		22	OF 70

CHANGE by	<i>Alvin Tsai</i>	<i>6-Apr-2009</i>
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## DISPLAY PORT

## GM/PM CO-LAYOUT



9-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-31-32-33-35-38-39-40-41-42-46-47-48-49-50-52-54-55-58-60-61-62-63-65-

8-,11-,12-,13-,14-,16-,17-,18-,20-,23-,24-,25-,27-,28-,31-,32-,33-,35-,38-,39-,40-,41-,42-,46-,47-,48-,49-,50-,52-,54-,58-,59-,60-,61-,62-,63-,65-

***INVENTEC***

TITLE	<b><i>CS10AT</i></b> <b><i>DISPLAY PORT</i></b>
-------	--

SIZE <b>A3</b>	CODE <b>CS</b>	DOC. NUMBER <b>1310A22933-0-0</b>	REV <b>A</b>
SHEET <b>23</b> OF <b>70</b>			

CHANGE by	<i>Alvin Tsai</i>	<i>6-Apr-2009</i>
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♀

1 2 3 4 5 6 7 8

A

B

C

D

E

F

GM/PM CO-LAYOUT

LCM DDC PU values

Part	Value	Part	Value
GM	4.7K_5% (60130B4720ZT)		
M9x	2.2K_5% (6013A0049601)		

LCM DDCPU values

Part	Value	Part	Value
GM	4.7K_5% (60130B4720ZT)		
M9x	2.2K_5% (6013A0049601)		

Close to Connector

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TITLE

CS10AT

LCM

SIZE CODE

A3 CS

DOC. NUMBER

1310A22933-0-0

REV

A

CHANGE by

Abhin Tsai

6-Apr-2009

SHEET

24

OF

70

8

28, 31, 32, 33, 35, 38, 39, 40, 41, 42, 46, 47, 48, 49, 50, 52, 54, 58, 59, 60, 61, 62, 63, 64

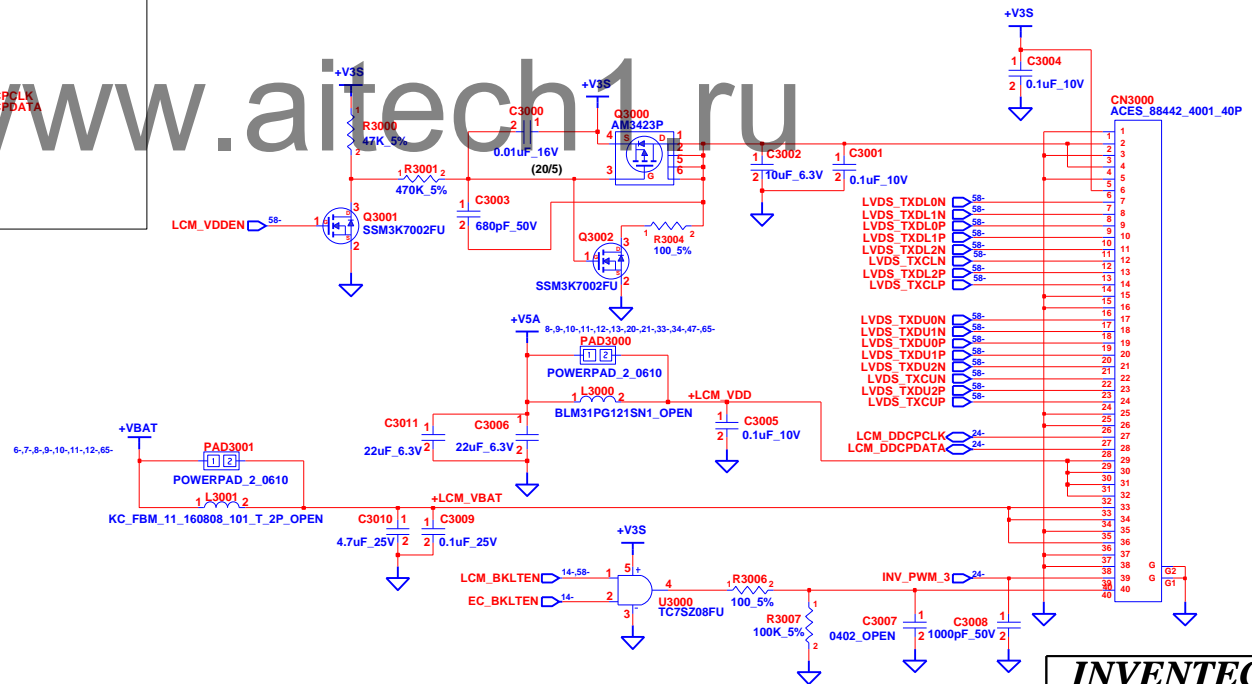
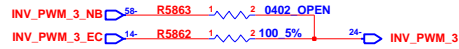
+V3S

R3002  
4.7K\_5%

R3003  
4.7K\_5%

LCM\_DDCPCLK 24- 25-  
LCM\_DDCPDATA

Close to Connector

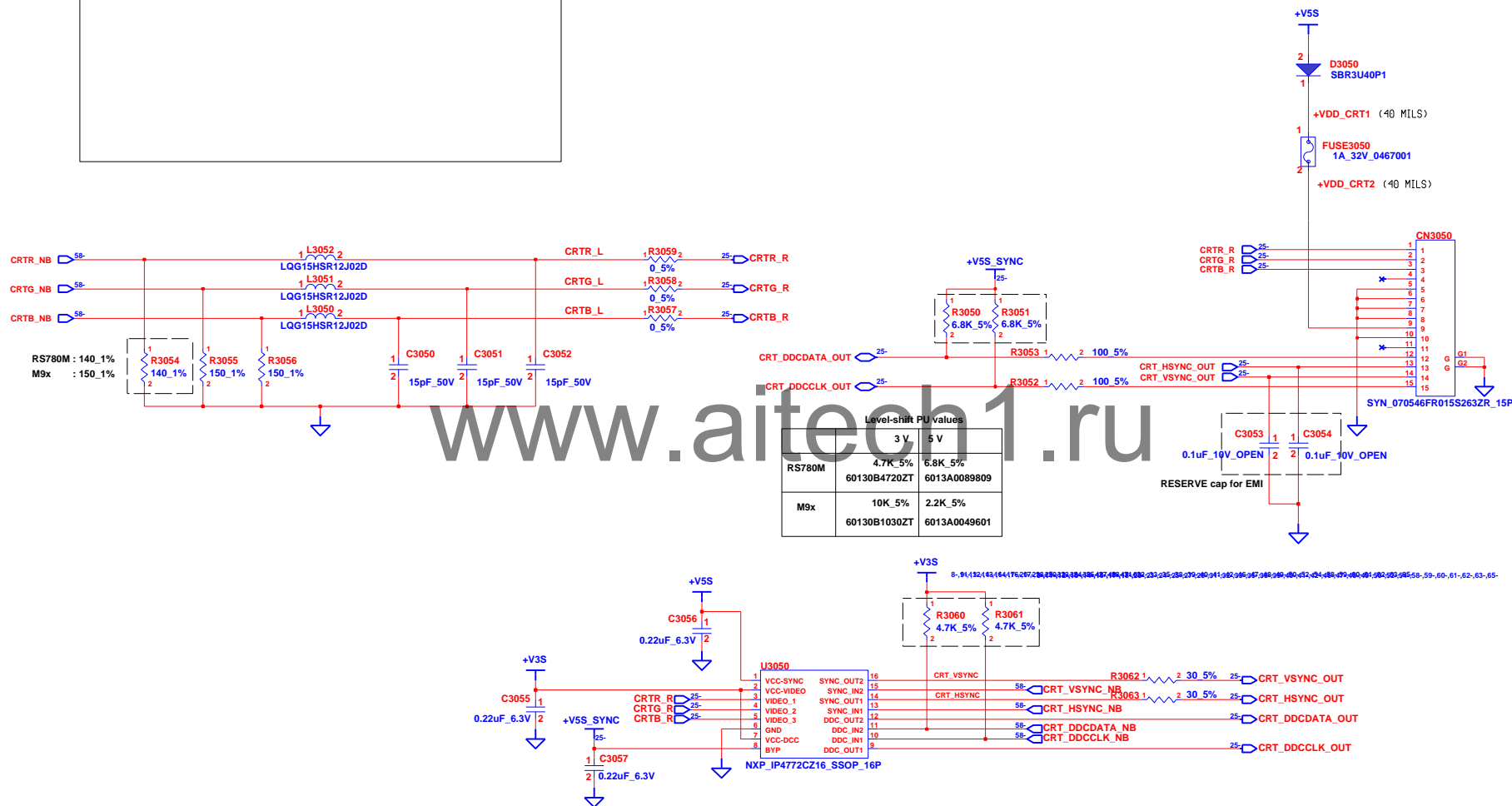


TITLE			
<b>CS10AT</b> <b>LCM</b>			
SIZE	CODE	DOC. NUMBER	REV
<b>A3</b>	<b>CS</b>	<b>1310A22933-0-0</b>	<b>A</b>
SHEET		24	OF 70

CHANGE by <i>Alvin Tsai</i>		6-Apr-2009	A3	CS	1310A22933-0-0	A
			SHEET 24 OF 70			

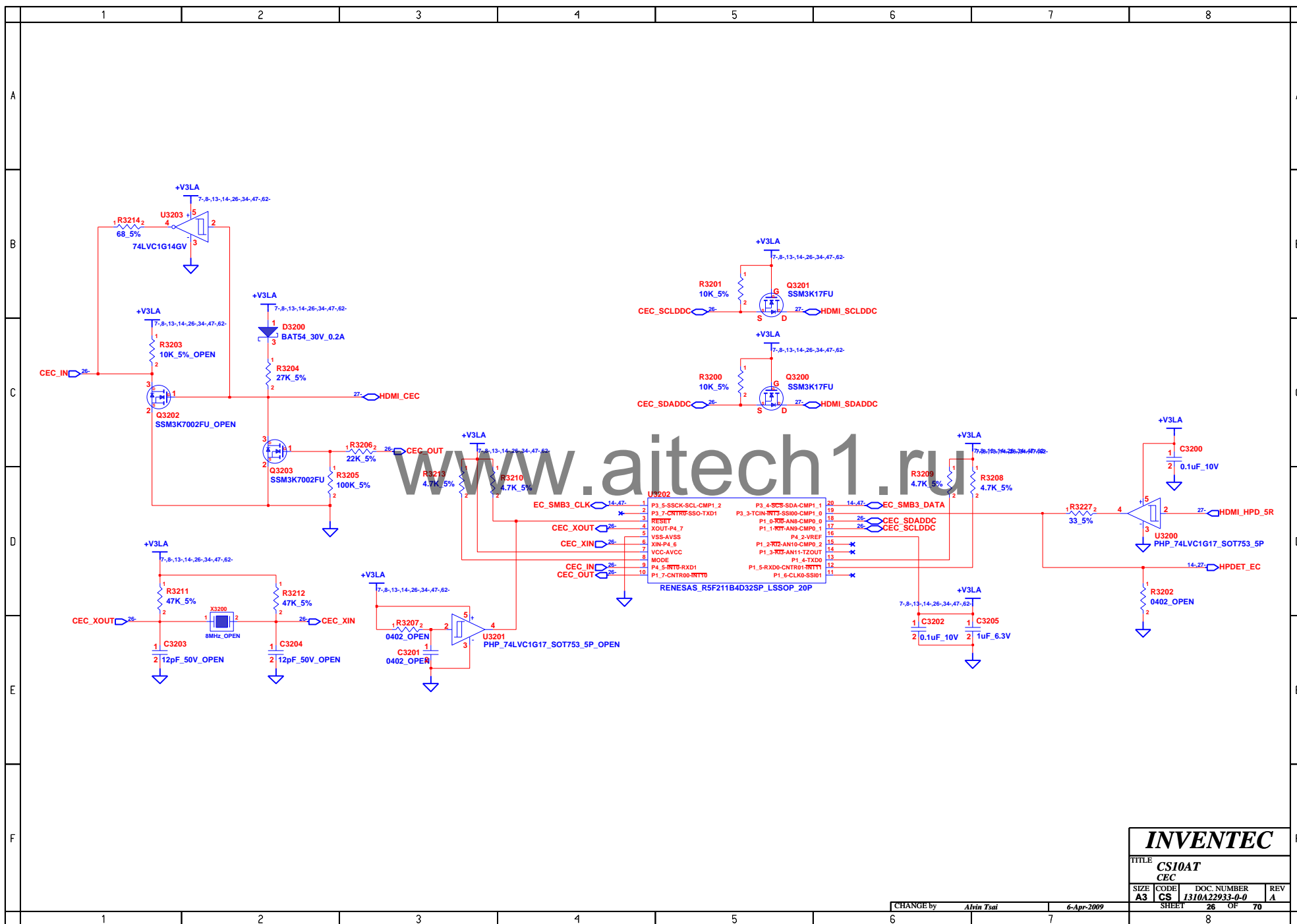


# GM / PM CO-LAYOUT



**INVENTEC**

TITLE			
CS10AT			
CRT			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A22933-0-0	A
CHANGE by		Alvin Tsai	6-Apr-2009
SHEET		25	OF 70



[illegible]

Level-shift PU values		
	3 V	5V
RS780M	4.7K_5% 60130B4720ZT	6.8K_5% 6013A0089809
M9x	10K_5% 60130B1030ZT	2.2K_5% 6013A0049601

GM	750_1% (6013A0023301)
M9x	499_1% (6013A0076801)

**CLOSE TO CONNECTOR**

**INVENTEC**

TITLE			
<b>CS10AT</b> <b>HDMI</b>			
SIZE	CODE	DOC. NUMBER	REV
<b>A3</b>	<b>CS</b>	<b>1310A22933-0-0</b>	<b>A</b>
SHEET		27	OF 70

CHANGE by	<i>Alvin Tsai</i>	6-Apr-2009
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NEW CARD

The schematic diagram illustrates the electrical design of the NEW CARD. It features a central microcontroller (U1200) connected to various peripheral components. Power is supplied via +V3S (1.3A) and +V3A (275mA) rails, which are regulated by the U1200. The circuit includes several capacitors (C1201, C1202, C1203, C1204, C1205, C1206, C1207, C1208, C1209, C1210, C1211, C1212, C1213) and resistors (R1200, R1203) for signal conditioning and timing. Key signal lines include PCIE\_C\_TXP\_NCARD, PCIE\_C\_TXN\_NCARD, PCIE\_C\_RXP\_NCARD, PCIE\_C\_RXN\_NCARD, CLK\_PCIE\_NCARD, CLK\_PCIE\_NCARD#, CPPE#, EXP\_REQ#, PERST#, PCIE\_WAKE#, SB\_3A\_ALERT\_DAT, SB\_3A\_ALERT\_CLK, CPUSB#, USB\_P\_NCARD, USB\_N\_NCARD, CLKREQ\_NCARD#, SUS\_STAT#, PLT\_RST#, PERST#, CPUSB#, CPPE#, WINB\_W83L351YG\_TSB\_QFN\_20P, NEWCARD\_SD#, and NEWCARD\_OC#. The diagram also shows connections to external components like the CN1200 (SANTA\_130811\_2\_26P) and CN1201 (SANTA\_13181161\_2P\_OPEN).

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CHANGE by: Abin Tsai 6-Apr-2009

INVENTEC			
TITLE			
CS10AT			
Express Card			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A22933-0-0	A
SHEET		28	OF 70

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TITLE			
CS10AT Express Card			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A22933-0-0	A
SHEET 28 OF 70			

CHANGE by	<i>Alvin Tsai</i>	6-Apr-2009
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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	

BLANK

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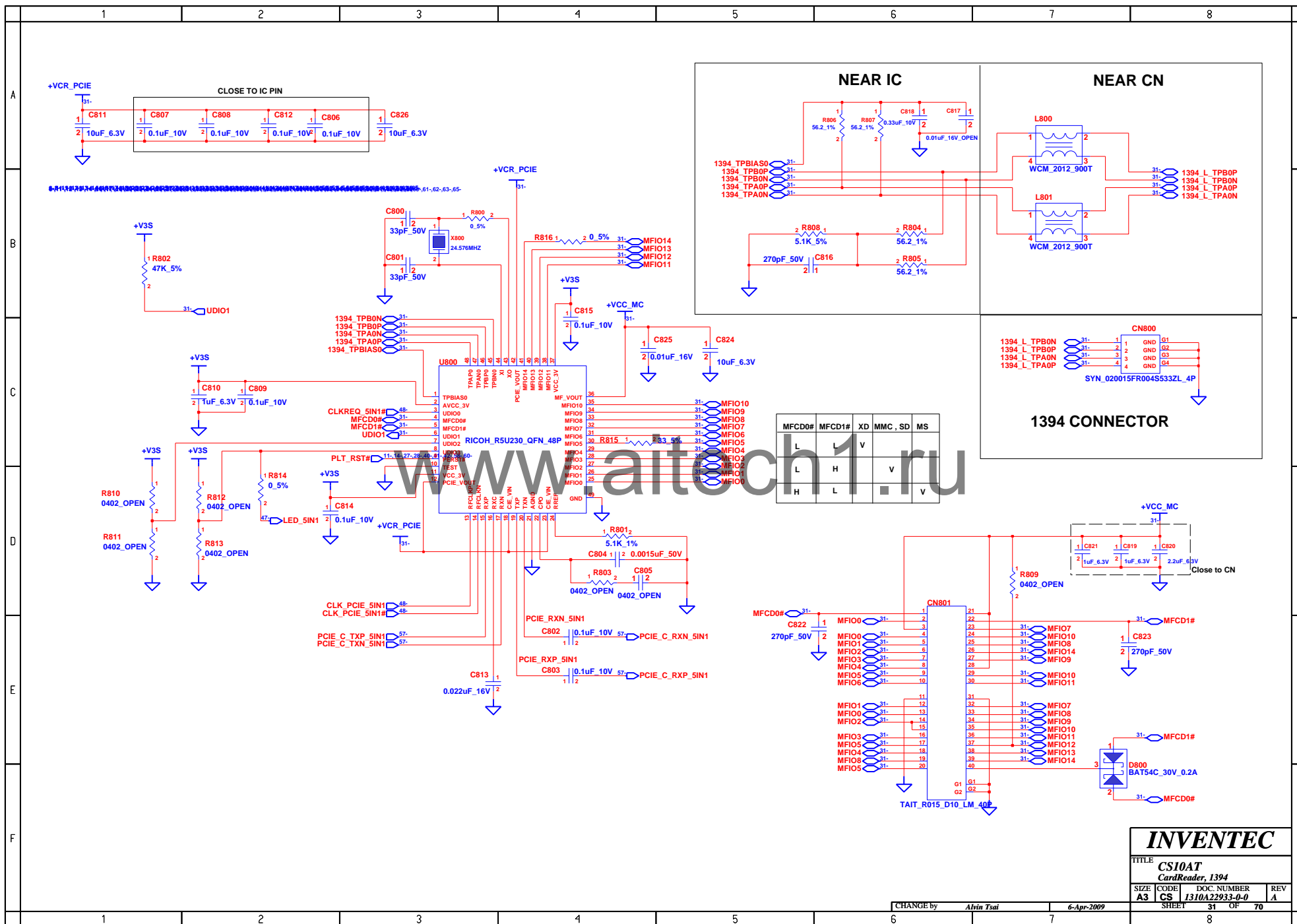
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TITLE <i>CS10AT</i> <i>CardBus</i>			
SIZE <b>A3</b>	CODE <b>CS</b>	DOC. NUMBER <i>1310A22933-0-0</i>	REV <i>A</i>
CHANGE by <i>Alvin Tsai</i>		6-Apr-2009	
SHEET		29	OF 70

	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	

BLANK

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<b>INVENTEC</b>			
TITLE <i>CS10AT</i> <i>CardBus</i>			
SIZE <b>A3</b>	CODE <b>CS</b>	DOC. NUMBER <i>1310A22933-0-0</i>	REV <i>A</i>
CHANGE by <i>Alvin Tsai</i>		6-Apr-2009	
SHEET		30	OF 70



**INVENTEC**

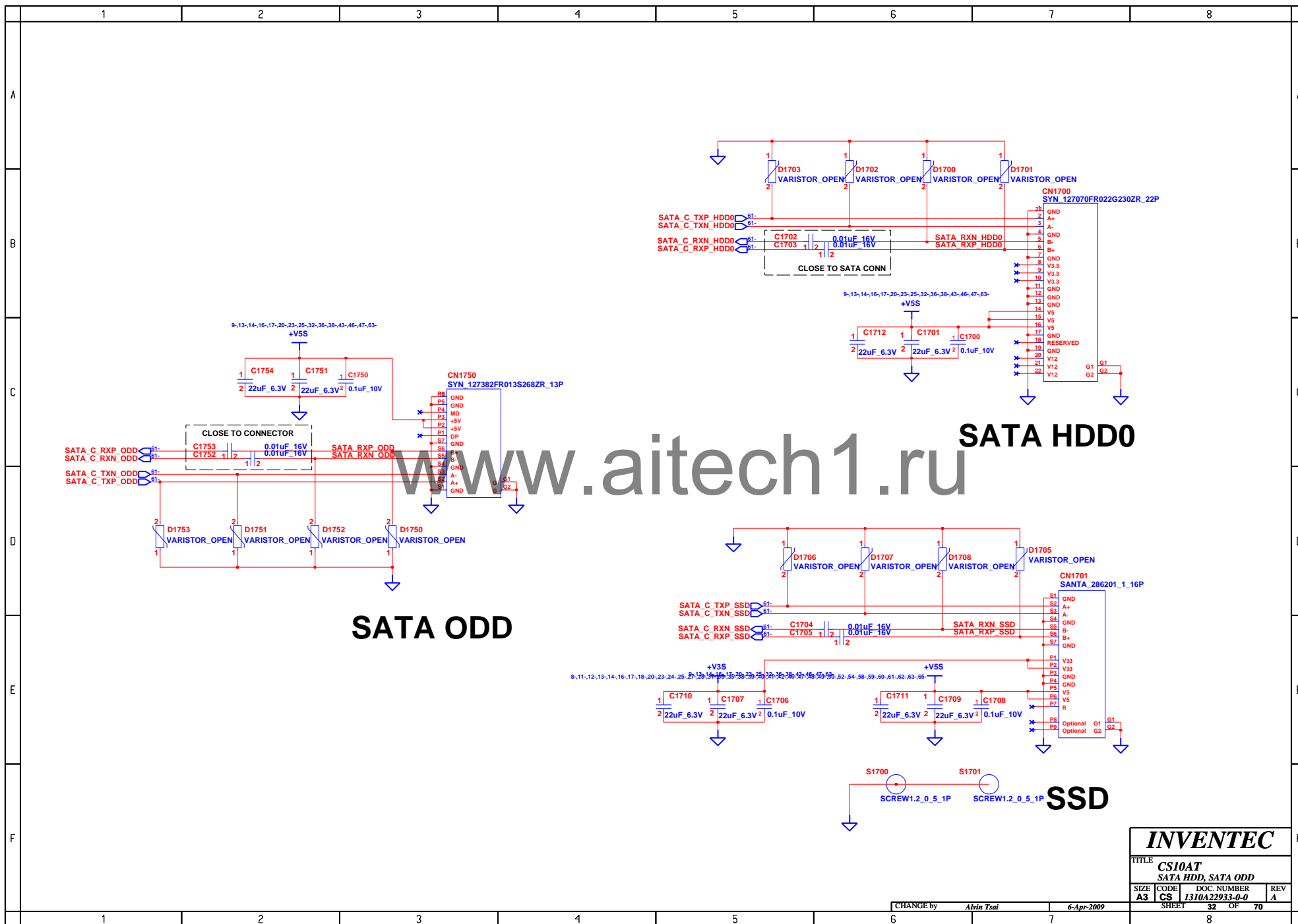
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**CS10AT**  
CardReader, 1394

SIZE CODE DOC NUMBER REV  
**A3 CS 1310A22933-0-0 A**

CHANGE by *Alvin Tsai*

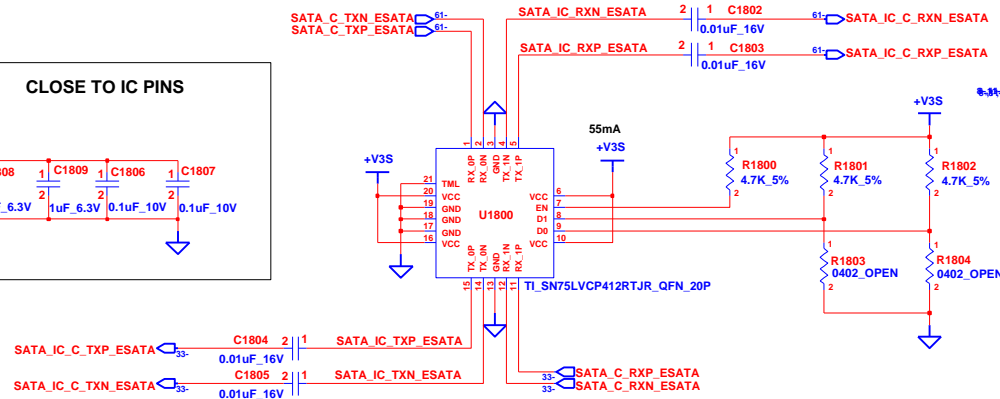
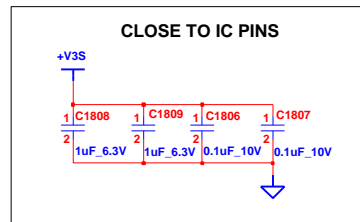
6-Apr-2009

SHEET 31 OF 70



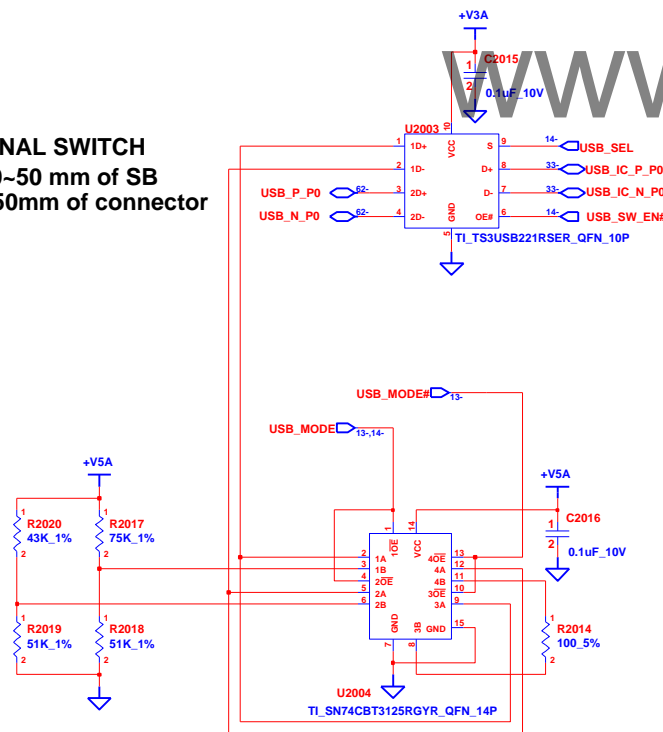


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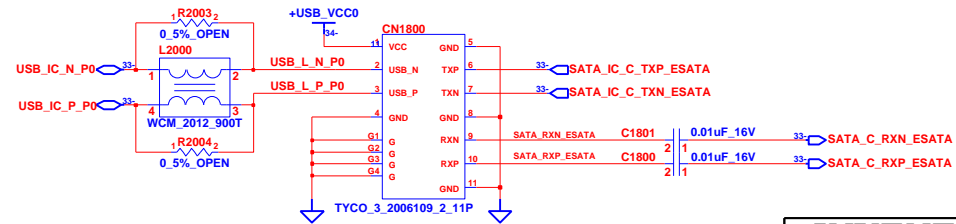


EN	D0	D1	FUNCTION
0	X	X	STANDBY
1	0	0	DEFAULT
1	1	0	CH0->5DB
1	0	1	CH1->5DB
1	1	1	CH0,1->5DB

**USB SIGNAL SWITCH**  
Within 40~50 mm of SB  
Within 150mm of connector



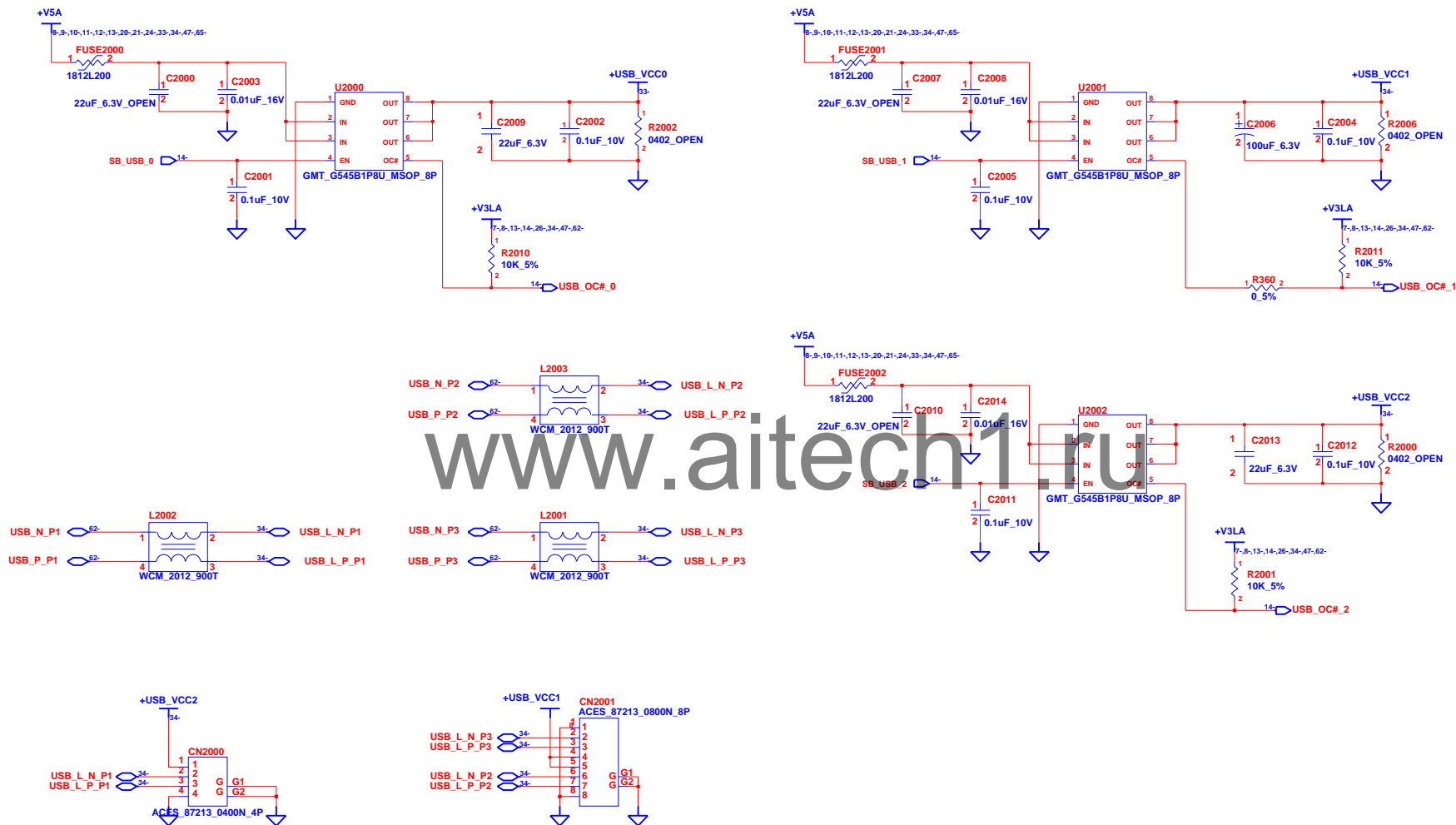
S	OE#	Function
L	L	D=1D
H	L	D=2D



**INVENTEC**

TITLE <b>CS10AT</b> e-SATA			
SIZE <b>A3</b>	CODE <b>CS</b>	DOC. NUMBER <b>1310A22933-0-0</b>	REV <b>A</b>
CHANGE by <i>Alvin Tsai</i>		6-Apr-2009	
SHEET <b>33</b>		OF <b>70</b>	

# USB

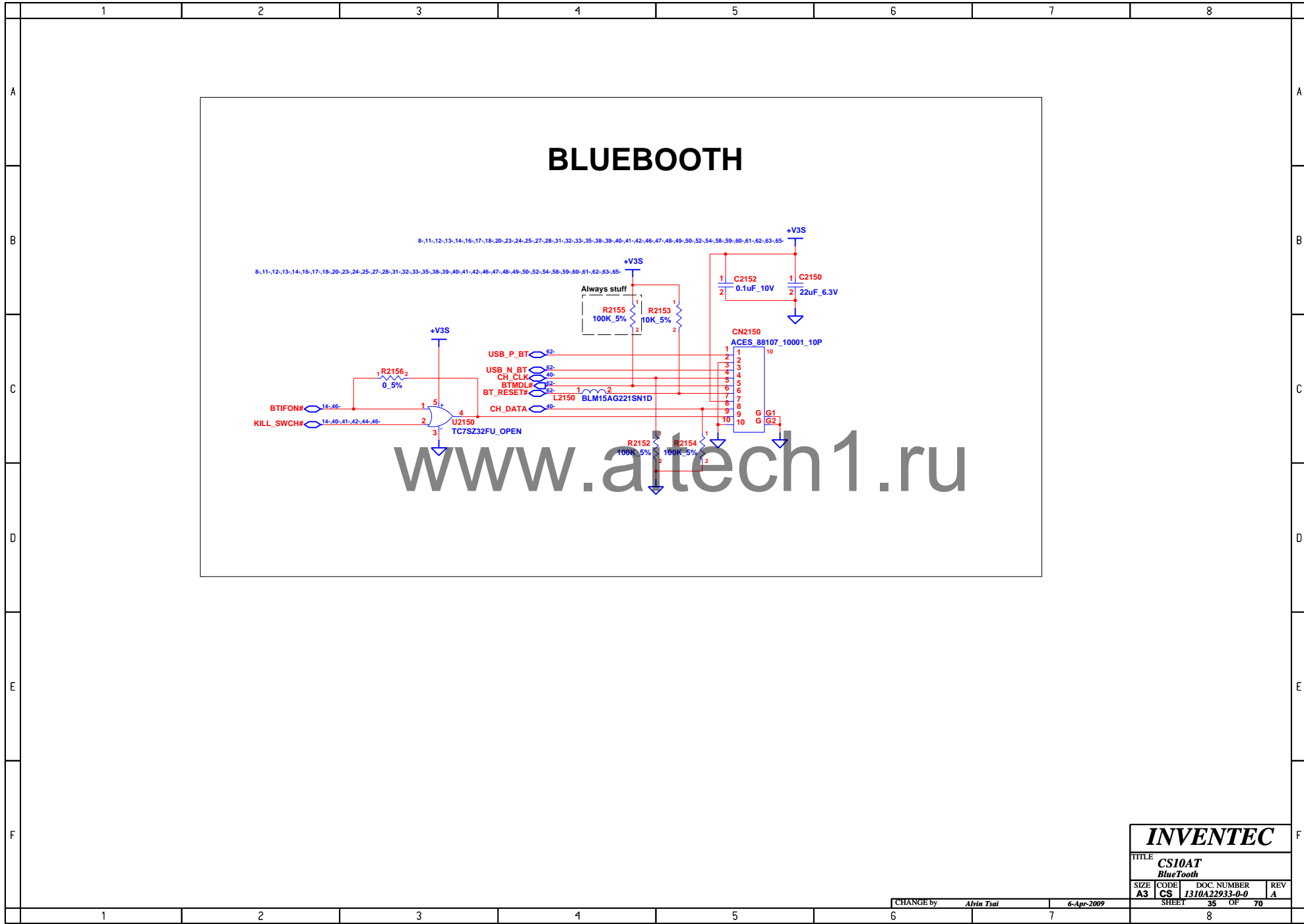


**INVENTEC**

TITLE			
CS10AT			
USB			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A22933-0-0	A

CHANGE by Alvin Tsai 6-Apr-2009

SHEET 34 OF 70

[illegible]

BLUEBOOTH

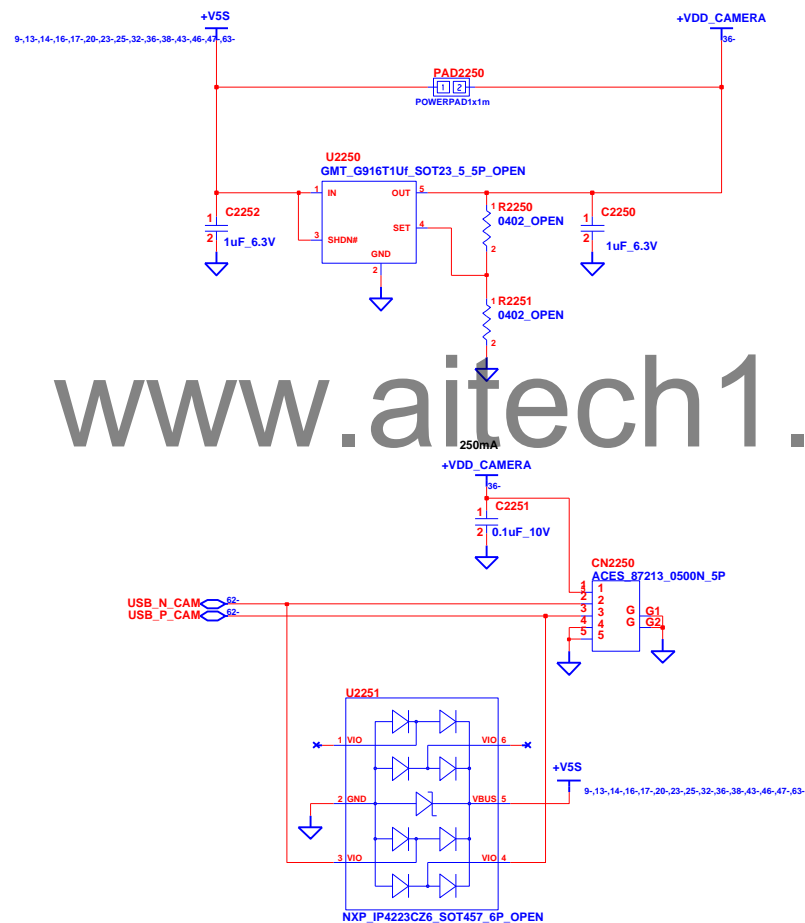
www.aitech1.ru

INVENTEC			
TITLE CS10AT BlueTooth			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A22933-0-0	A

CHANGE by	Alvin Tsai	6-Apr-2009
SHEET	35	OF 70

[illegible][illegible]

## WEBCAM



www.aitech1.ru

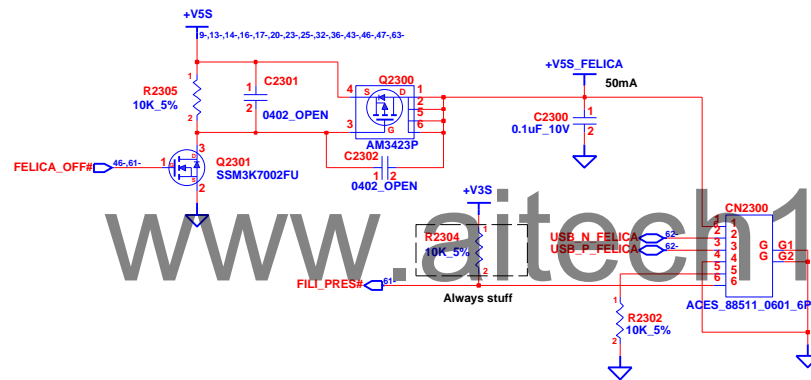
**INVENTEC**

TITLE			
<b>CS10AT</b> <i>Camera</i>			
SIZE	CODE	DOC. NUMBER	REV
<b>A3</b>	<b>CS</b>	<b>1310A22933-0-0</b>	<b>A</b>
SHEET		36	OF 70

	1	2	3	4	5	6	7	8	
A	<div>BLANK</div> <div>www.ateon1.ru</div>								A
B									B
C									C
D									D
E									E
F									F
	1	2	3	4	5	6	7	8	

INVENTEC			
TITLE CS10AT Finger Print			
SIZE A3	CODE CS	DOC. NUMBER 1310A22933-0-0	REV A
CHANGE by Alvin Tsai		6-Apr-2009	
SHEET 37		OF 70	

# FELICA

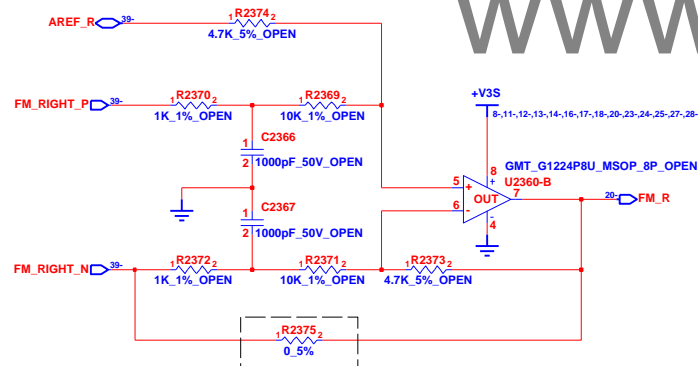
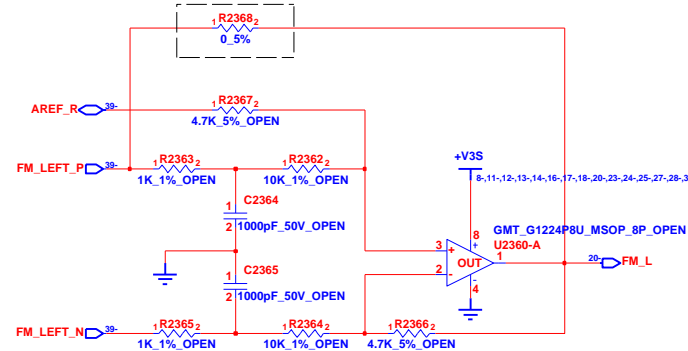


**INVENTEC**

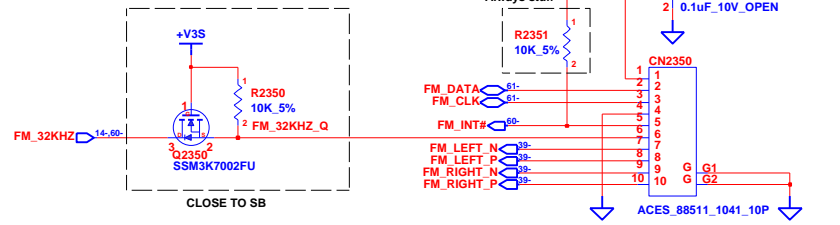
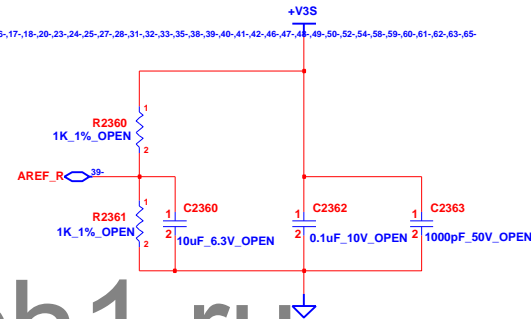
TITLE			
CS10AT FELICA			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A22933-0-0	A
SHEET		38	OF 70

CHANGE by Alvin Tsai 6-Apr-2009

# CLOSE TO CODEC



# CLOSE TO CODEC



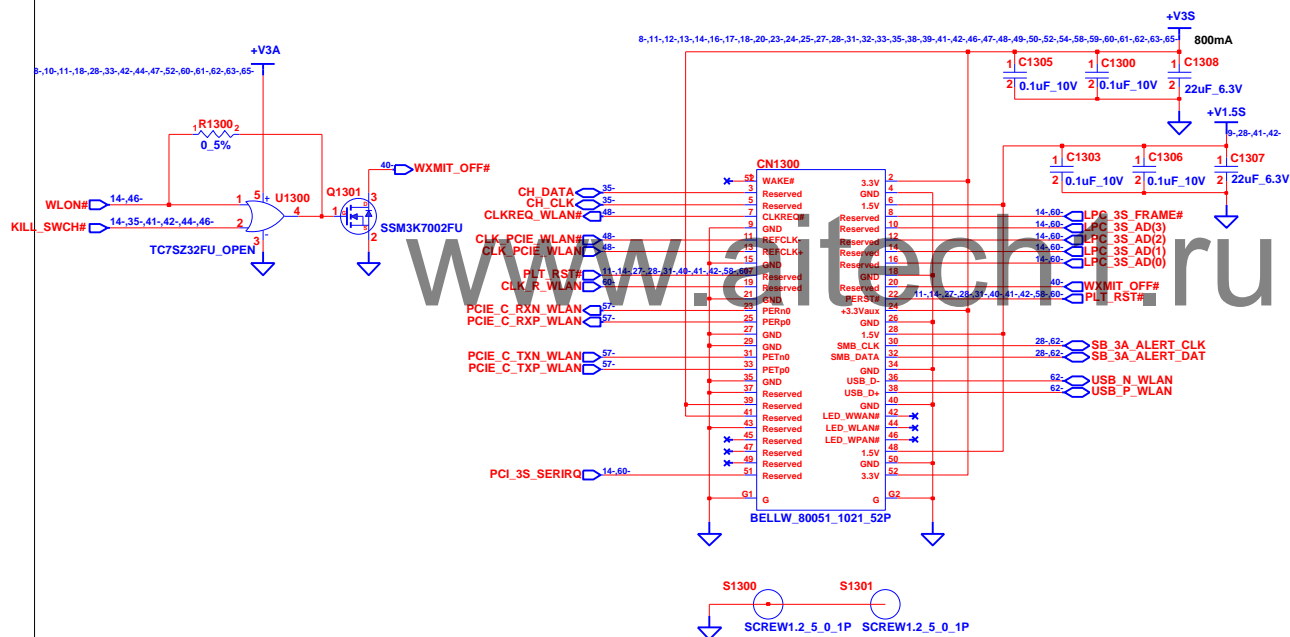
**INVENTEC**

TITLE			
CS10AT			
FM tuner			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A22933-0-0	A

CHANGE by Alvin Tsai 6-Apr-2009

SHEET 39 OF 70

# Wireless & Debug card



**INVENTEC**

TITLE			
CS10AT			
WLAN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A22933-0-0	A
SHEET		40	OF 70

CHANGE by Alvin Tsai 6-Apr-2009





TITLE			
<b>CS10AT</b> <b>3G</b>			
SIZE	CODE	DOC. NUMBER	REV
<b>A3</b>	<b>CS</b>	<b>1310A22933-0-0</b>	<b>A</b>
SHEET		41	OF 70

CHANGE by	Alvin Tsai	6-Apr-2009
-----------	------------	------------

## F



8





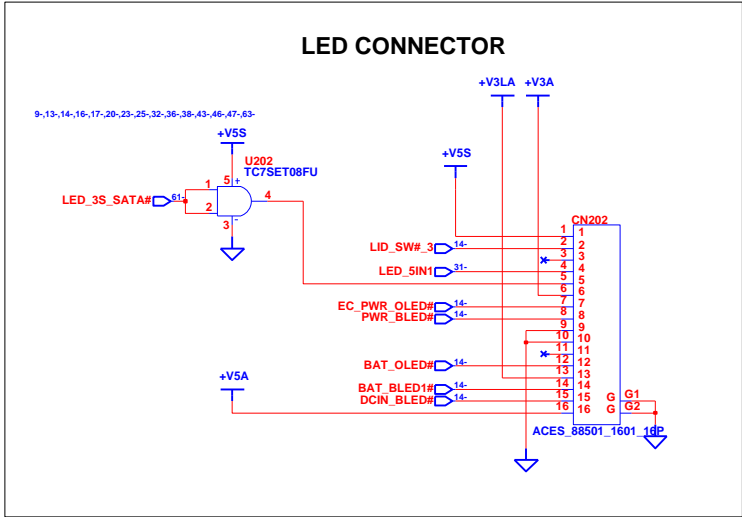
	1	2	3	4	5	6	7	8	
A									A
B									B
C									C
D									D
E									E
F									F
	1	2	3	4	5	6	7	8	

BLANK

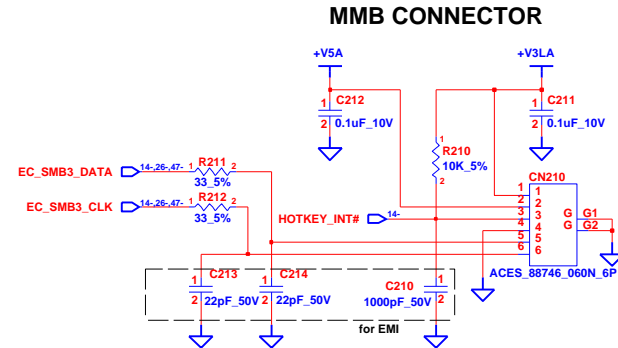
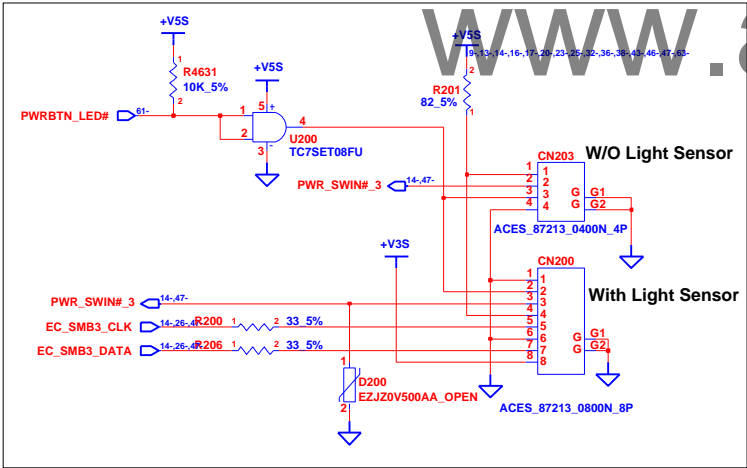
www.gatech1.ru

<b>INVENTEC</b>			
TITLE <b>CS10AT</b> <i>LID Switch</i>			
SIZE <b>A3</b>	CODE <b>CS</b>	DOC. NUMBER <b>1310A22933-0-0</b>	REV <b>A</b>
CHANGE by <i>Alvin Tsai</i>		6-Apr-2009	
SHEET <b>45</b>		OF <b>70</b>	

♀



**POWER BOARD CONNECTOR**



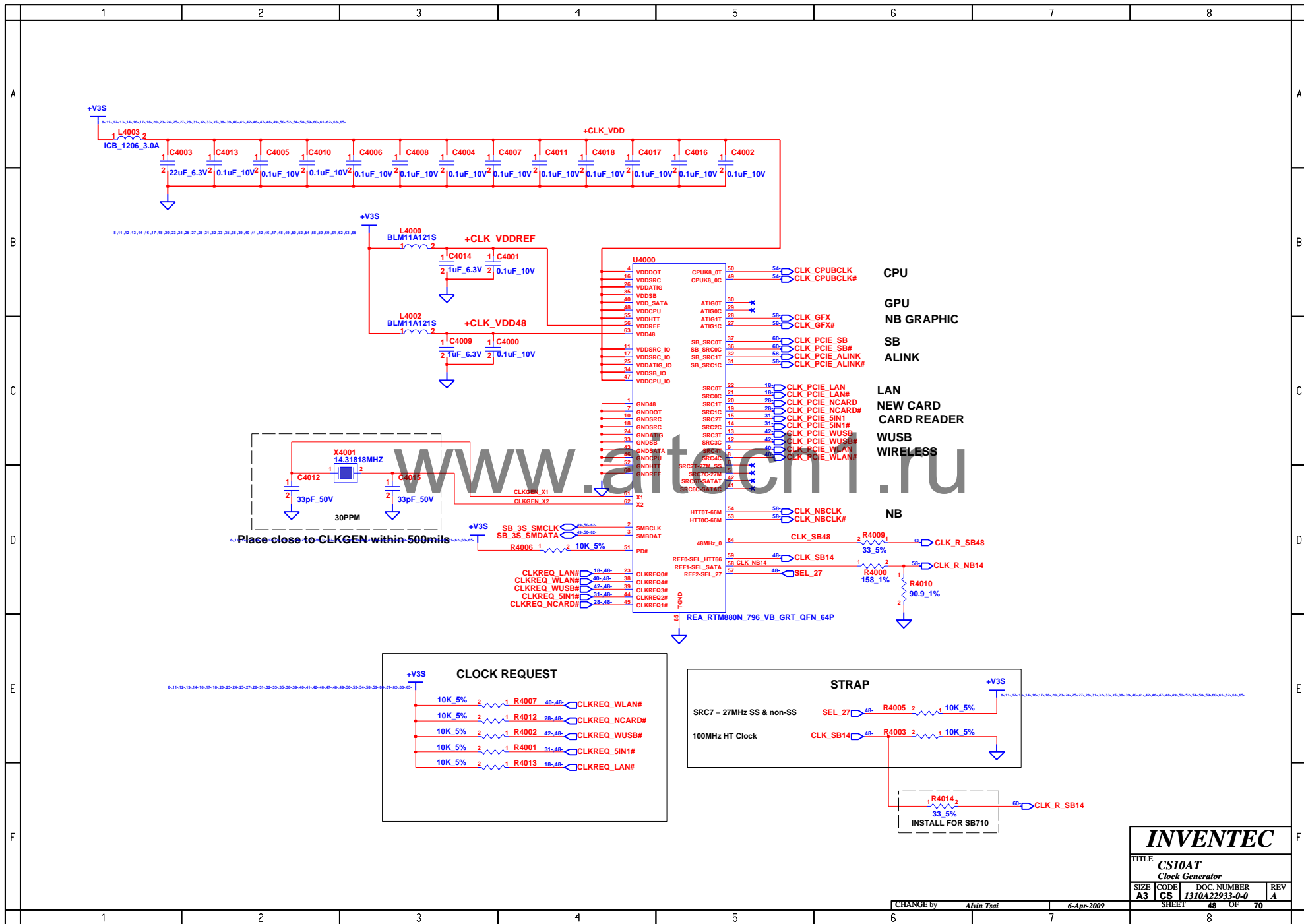
**INVENTEC**

TITLE  
**CS10AT**  
Connector

SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A22933-0-0	A

CHANGE by Alvin Tsai 6-Apr-2009

SHEET 47 OF 70

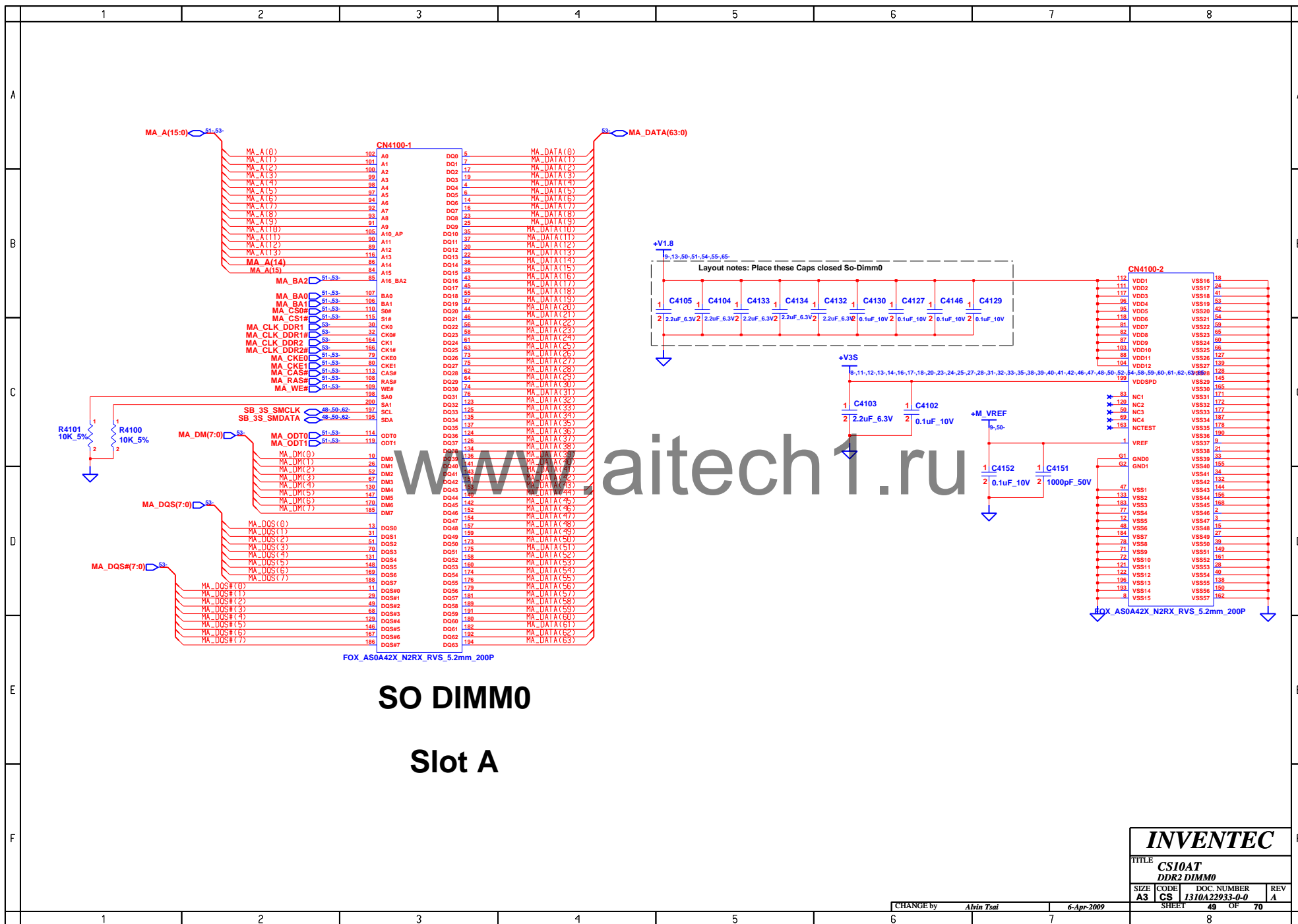


**INVENTEC**

TITLE			
CS10AT			
Clock Generator			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A22933-0-0	A
SHEET		48	OF 70

CHANGE by Alvin Tsai 6-Apr-2009





**INVENTEC**

TITLE			
CS10AT			
DDR2 DIMM0			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A22933-0-0	A
SHEET 49 OF 70			

CHANGE by Alvin Tsai 6-Apr-2009

1 2 3 4 5 6 7 8

A

B

C

D

E

F

A

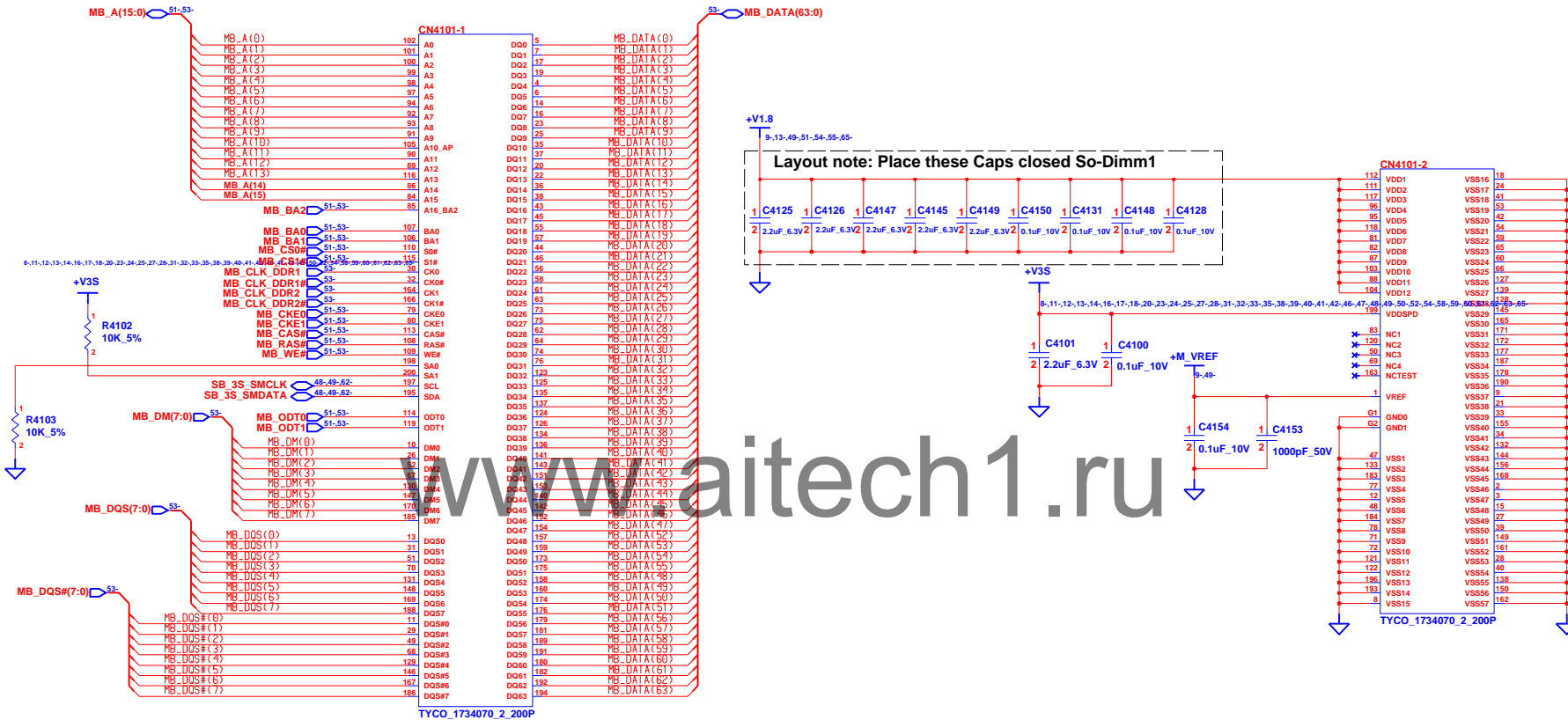
B

C

D

E

F



## SO DIMM1 Slot B

**INVENTEC**

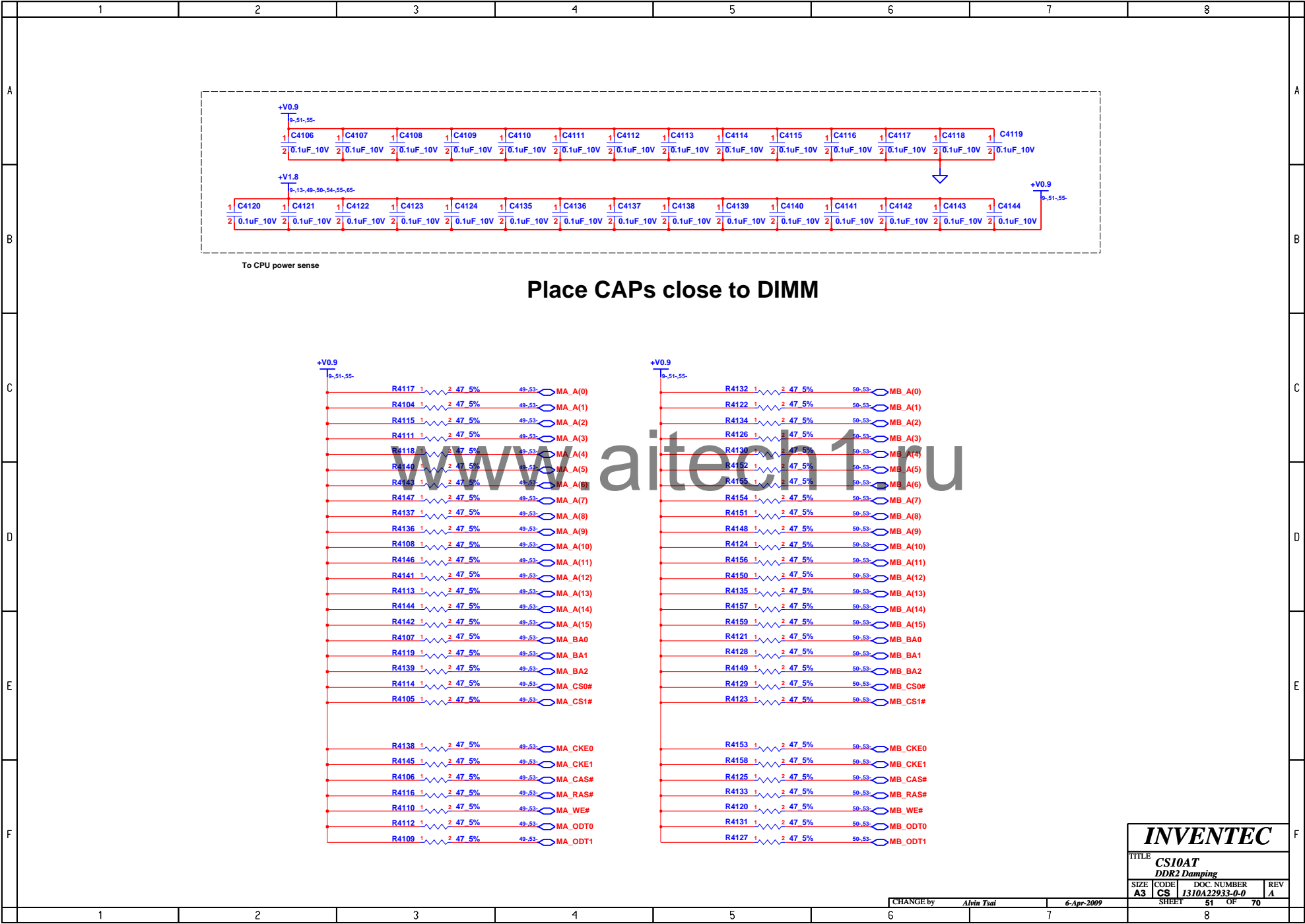
TITLE  
**CS10AT  
DDR2 DIMM1**

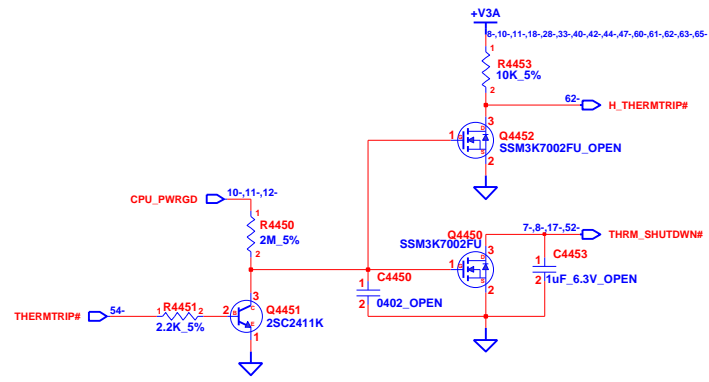
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A22933-0-0	A

CHANGE by Alvin Tsai 6-Apr-2009

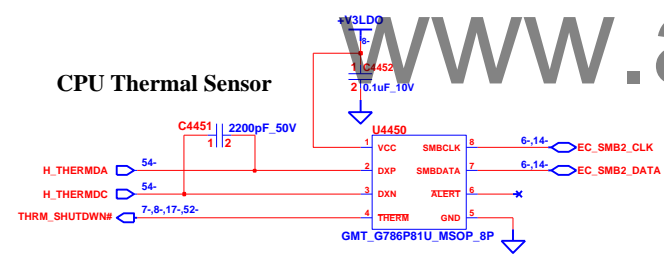
SHEET 50 OF 70

1 2 3 4 5 6 7 8

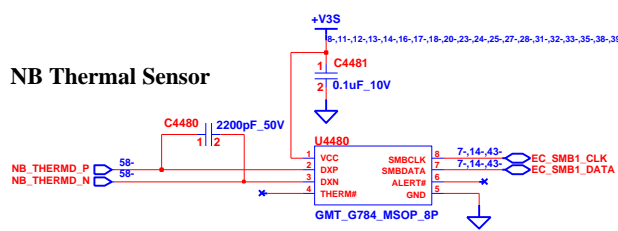




CPU Thermal Sensor

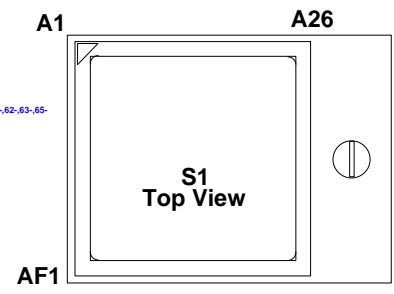


NB Thermal Sensor

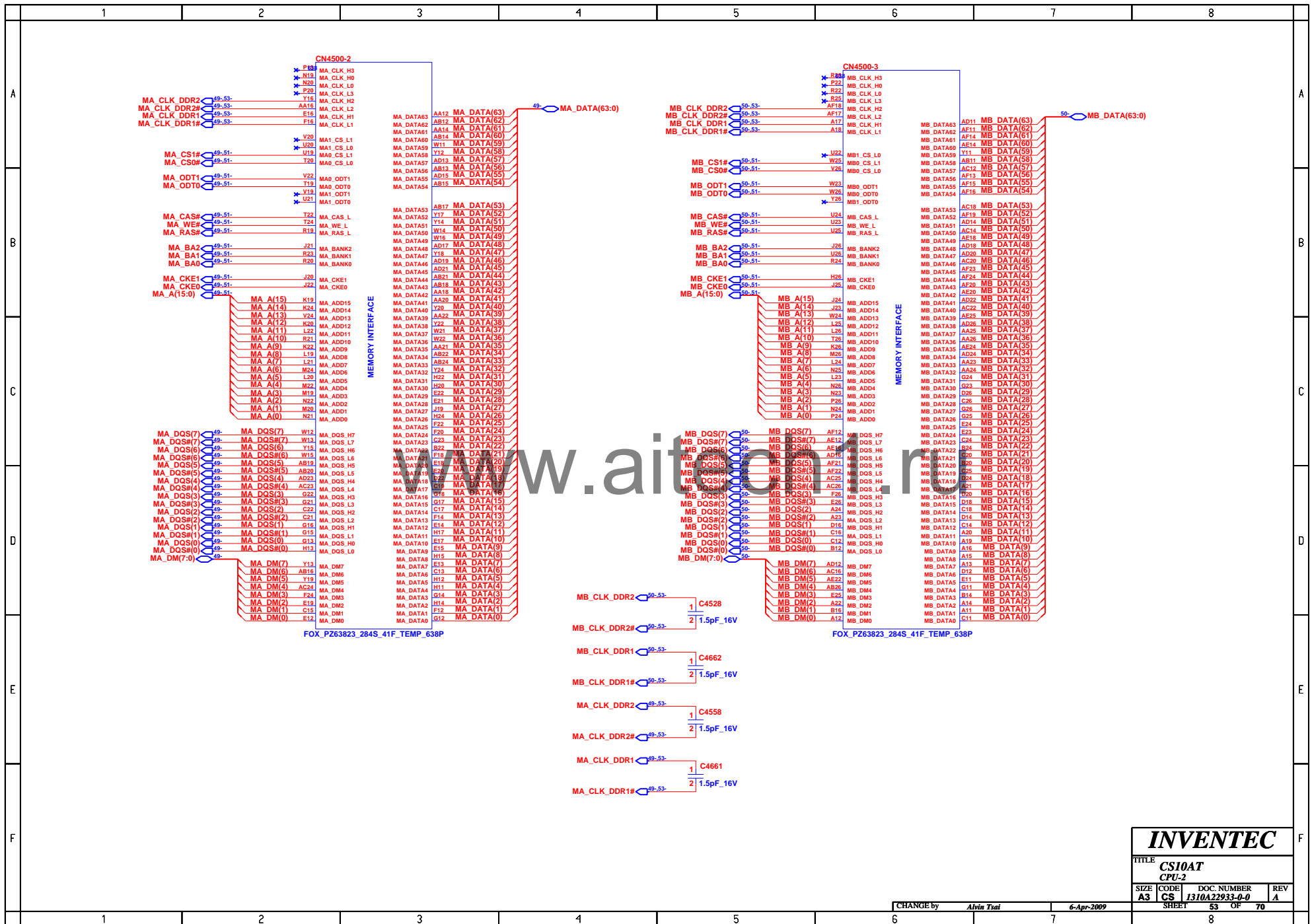


L0_CLKIN1#	55-	K5	L0_CLKIN_H1	L0_CLKOUT_H1	Y4	56-	L0_CLKOUT1
L0_CLKIN1#	55-	K5	L0_CLKIN_L1	L0_CLKOUT_L1	Y3	56-	L0_CLKOUT1#
L0_CLKIN0#	55-	J3	L0_CLKIN_H0	L0_CLKOUT_H0	Y1	56-	L0_CLKOUT0
L0_CLKIN0#	55-	J3	L0_CLKIN_L0	L0_CLKOUT_L0	Y1	56-	L0_CLKOUT0#
L0_CTLIN1	55-	P3	L0_CTLIN_H1	L0_CTLOUT_H1	T5	56-	L0_CTLOUT1
L0_CTLIN1#	55-	P4	L0_CTLIN_L1	L0_CTLOUT_L1	R5	56-	L0_CTLOUT1#
L0_CTLIN0	55-	N1	L0_CTLIN_H0	L0_CTLOUT_H0	R2	56-	L0_CTLOUT0
L0_CTLIN0#	55-	P1	L0_CTLIN_L0	L0_CTLOUT_L0	R3	56-	L0_CTLOUT0#
L0_CADIN15	55-	N5	L0_CADIN_H15	L0_CADOUT_H15	T4	56-	L0_CADOUT15
L0_CADIN15#	55-	P2	L0_CADIN_L15	L0_CADOUT_L15	T3	56-	L0_CADOUT15#
L0_CADIN14	55-	M3	L0_CADIN_H14	L0_CADOUT_H14	V5	56-	L0_CADOUT14
L0_CADIN14#	55-	M4	L0_CADIN_L14	L0_CADOUT_L14	V4	56-	L0_CADOUT14#
L0_CADIN13	55-	L5	L0_CADIN_H13	L0_CADOUT_H13	V4	56-	L0_CADOUT13
L0_CADIN13#	55-	M5	L0_CADIN_L13	L0_CADOUT_L13	V3	56-	L0_CADOUT13#
L0_CADIN12	55-	K3	L0_CADIN_H12	L0_CADOUT_H12	V5	56-	L0_CADOUT12
L0_CADIN12#	55-	K4	L0_CADIN_L12	L0_CADOUT_L12	W5	56-	L0_CADOUT12#
L0_CADIN11	55-	H3	L0_CADIN_H11	L0_CADOUT_H11	AB5	56-	L0_CADOUT11
L0_CADIN11#	55-	H4	L0_CADIN_L11	L0_CADOUT_L11	AA5	56-	L0_CADOUT11#
L0_CADIN10	55-	G5	L0_CADIN_H10	L0_CADOUT_H10	AB4	56-	L0_CADOUT10
L0_CADIN10#	55-	H5	L0_CADIN_L10	L0_CADOUT_L10	AB3	56-	L0_CADOUT10#
L0_CADIN9	55-	F3	L0_CADIN_H9	L0_CADOUT_H9	AD5	56-	L0_CADOUT9
L0_CADIN9#	55-	F4	L0_CADIN_L9	L0_CADOUT_L9	AC5	56-	L0_CADOUT9#
L0_CADIN8	55-	E5	L0_CADIN_H8	L0_CADOUT_H8	AD4	56-	L0_CADOUT8
L0_CADIN8#	55-	F5	L0_CADIN_L8	L0_CADOUT_L8	AD3	56-	L0_CADOUT8#
L0_CADIN7	55-	N3	L0_CADIN_H7	L0_CADOUT_H7	T1	56-	L0_CADOUT7
L0_CADIN7#	55-	N2	L0_CADIN_L7	L0_CADOUT_L7	R1	56-	L0_CADOUT7#
L0_CADIN6	55-	L1	L0_CADIN_H6	L0_CADOUT_H6	U2	56-	L0_CADOUT6
L0_CADIN6#	55-	M1	L0_CADIN_L6	L0_CADOUT_L6	U2	56-	L0_CADOUT6#
L0_CADIN5	55-	L3	L0_CADIN_H5	L0_CADOUT_H5	V1	56-	L0_CADOUT5
L0_CADIN5#	55-	L2	L0_CADIN_L5	L0_CADOUT_L5	U1	56-	L0_CADOUT5#
L0_CADIN4	55-	J1	L0_CADIN_H4	L0_CADOUT_H4	W2	56-	L0_CADOUT4
L0_CADIN4#	55-	K1	L0_CADIN_L4	L0_CADOUT_L4	W2	56-	L0_CADOUT4#
L0_CADIN3	55-	G1	L0_CADIN_H3	L0_CADOUT_H3	AA2	56-	L0_CADOUT3
L0_CADIN3#	55-	H1	L0_CADIN_L3	L0_CADOUT_L3	AA3	56-	L0_CADOUT3#
L0_CADIN2	55-	G3	L0_CADIN_H2	L0_CADOUT_H2	AB1	56-	L0_CADOUT2
L0_CADIN2#	55-	G2	L0_CADIN_L2	L0_CADOUT_L2	AA1	56-	L0_CADOUT2#
L0_CADIN1	55-	E1	L0_CADIN_H1	L0_CADOUT_H1	AC2	56-	L0_CADOUT1
L0_CADIN1#	55-	F1	L0_CADIN_L1	L0_CADOUT_L1	AC3	56-	L0_CADOUT1#
L0_CADIN0	55-	E3	L0_CADIN_H0	L0_CADOUT_H0	AD1	56-	L0_CADOUT0
L0_CADIN0#	55-	E2	L0_CADIN_L0	L0_CADOUT_L0	AC1	56-	L0_CADOUT0#

Layout: Add stitching caps if crossing plane split.



<b>INVENTEC</b>			
TITLE CS10AT CPU-1			
SIZE A3	CODE CS	DOC. NUMBER 1310A22933-0-0	REV A
CHANGE by Alvin Tsai		6-Apr-2009	
SHEET 52		OF 70	



**INVENTEC**

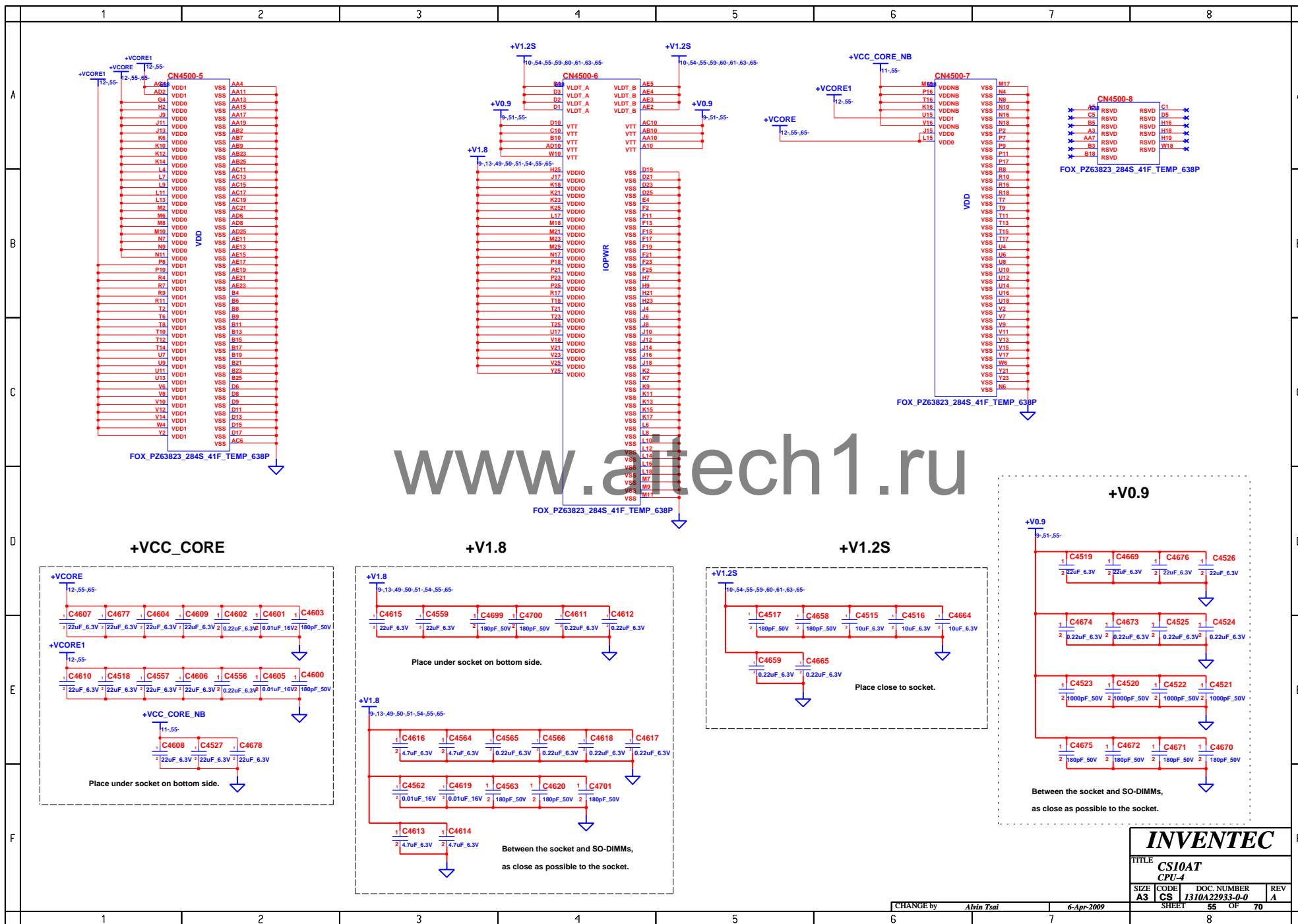
TITLE  
**CS10AT  
CPU-2**

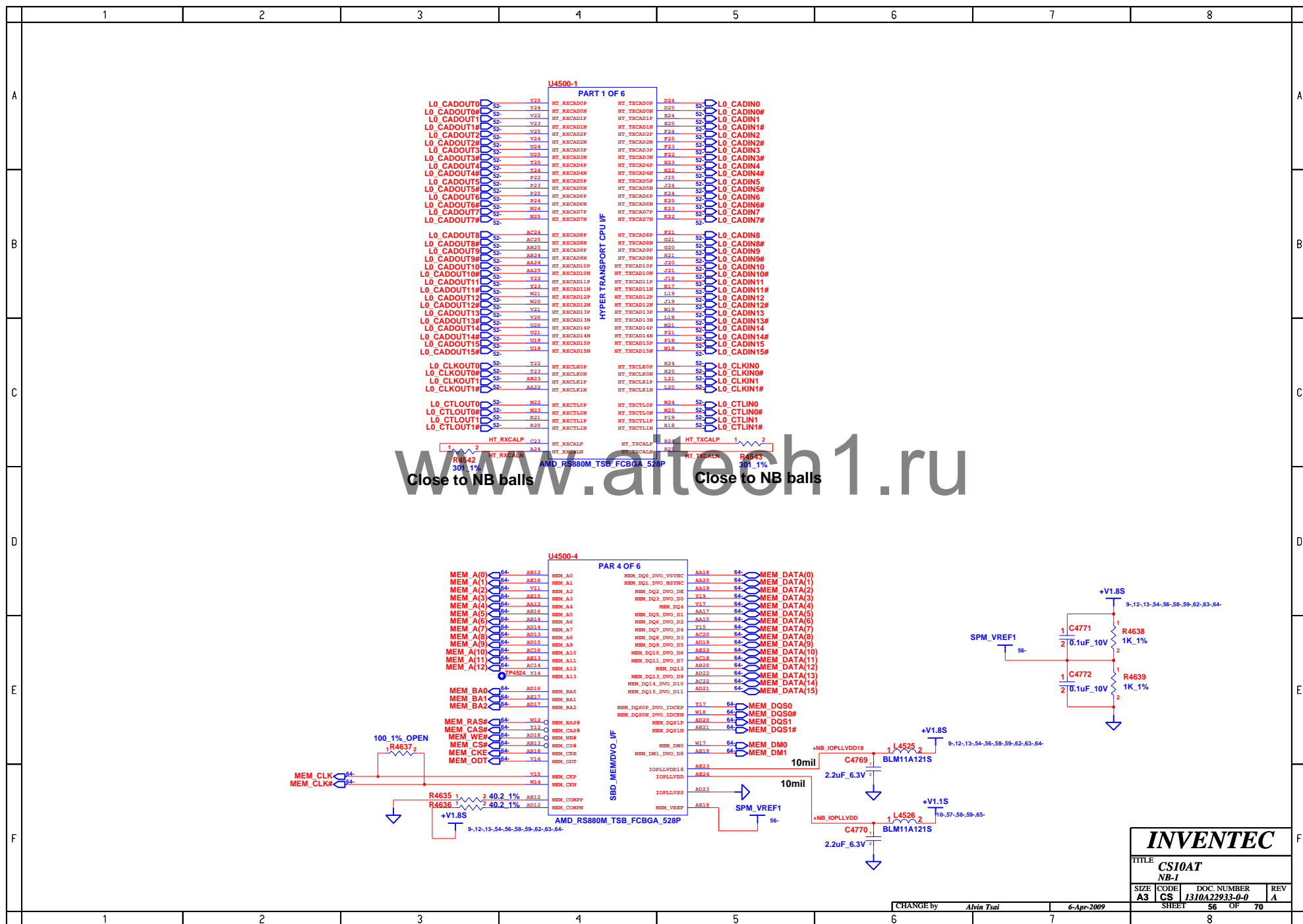
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A22933-0-0	A

CHANGE by Alvin Tsai 6-Apr-2009

SHEET 53 OF 70











# INVENTEC

TITLE			
CS10AT			
NB-2			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A22933-0-0	A

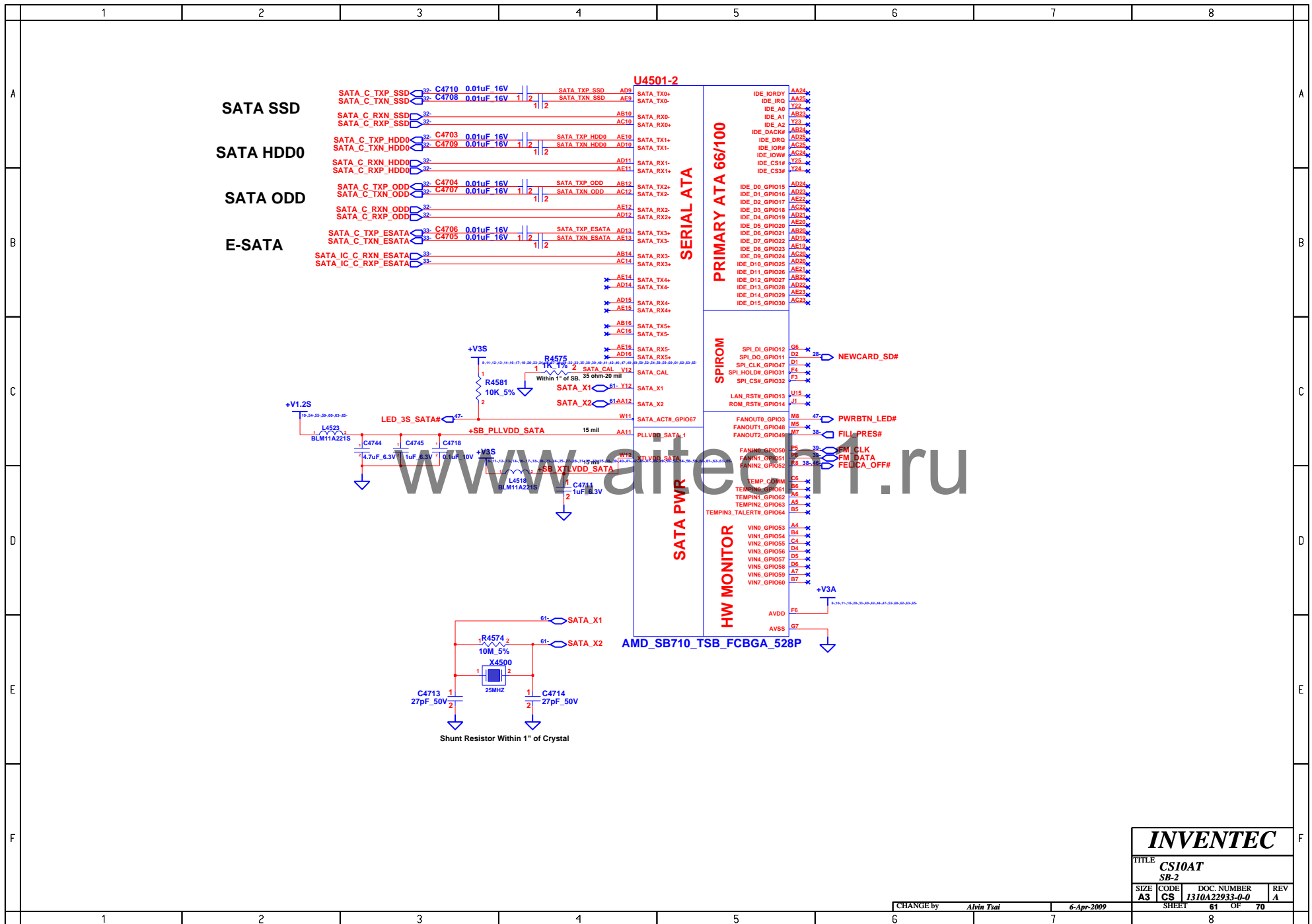
CHANGE by Alvin Tsai 6-Apr-2009

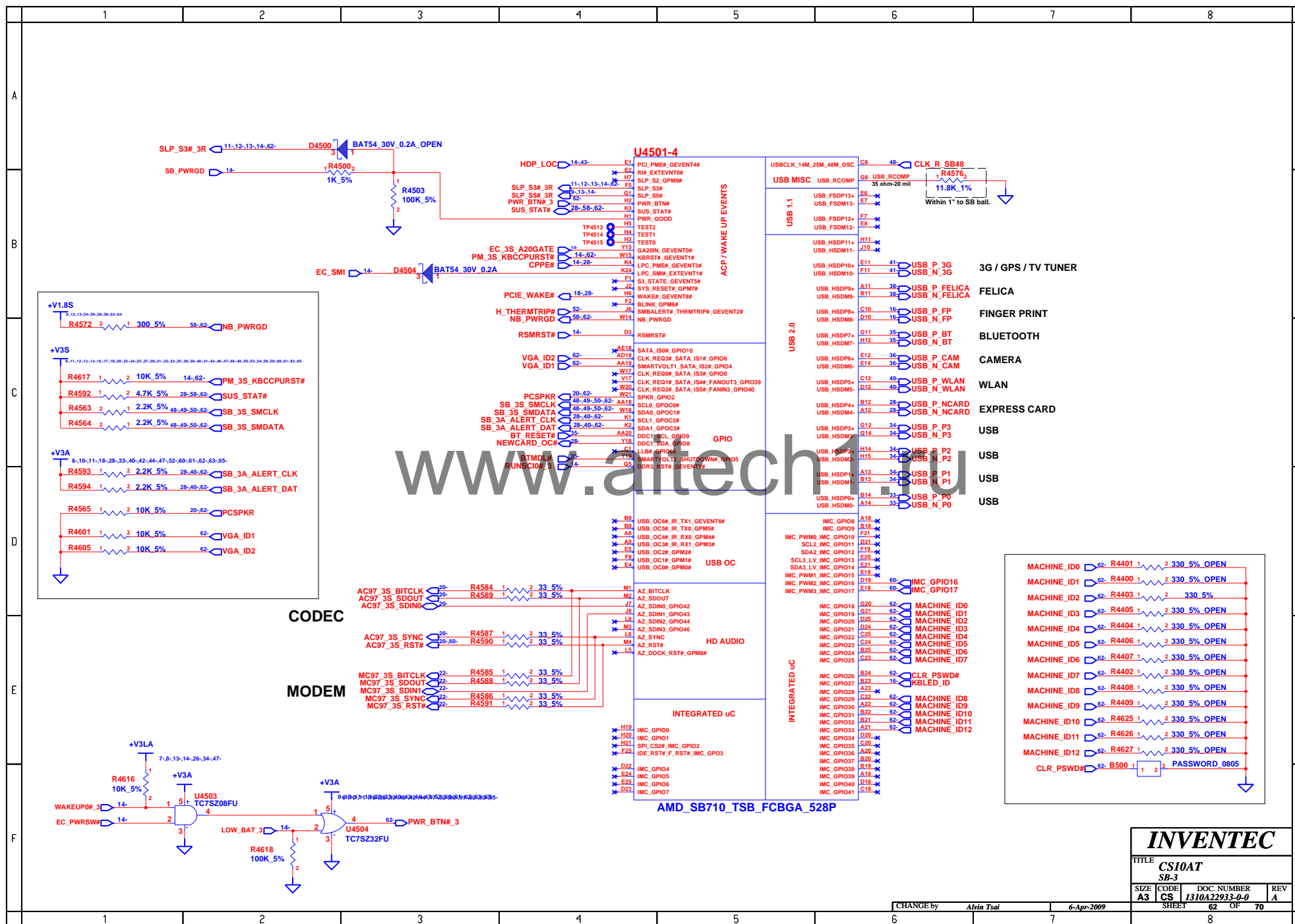
SHEET 57 OF 70

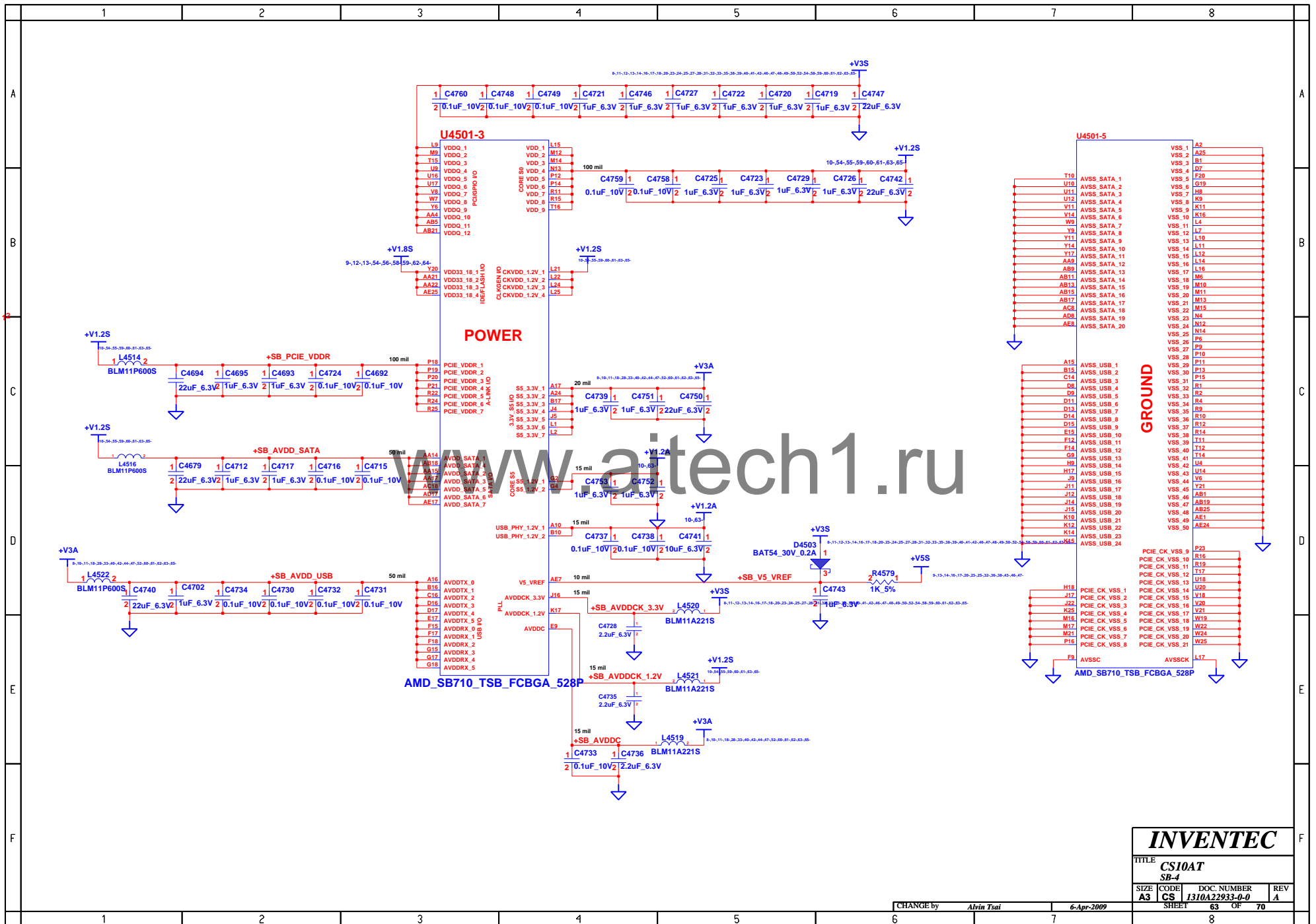


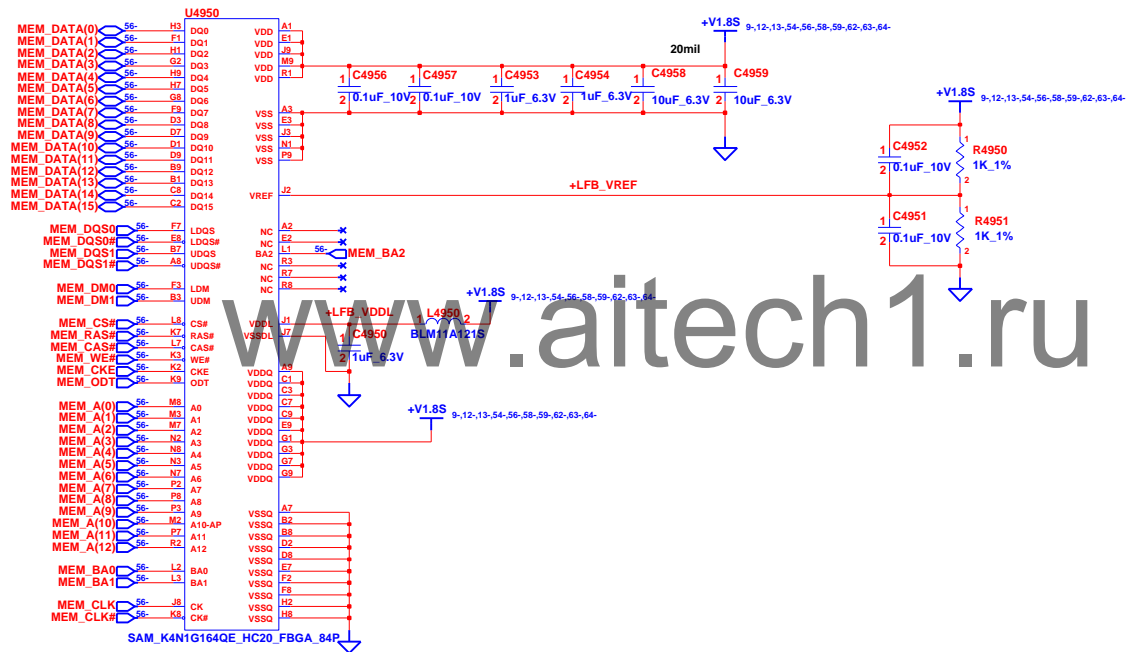












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INVENTEC			
TITLE			
CS10AT			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A22933-0-0	A
SHEET			
64 OF 70			

CHANGE by Alvin Tsai 6-Apr-2009



EMI

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INVENTEC

TITLE			
CS10AT			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A22933-0-0	A
SHEET		65 OF 70	

TITLE			
CS10AT EMI			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A22933-0-0	A
SHEET		65	OF 70

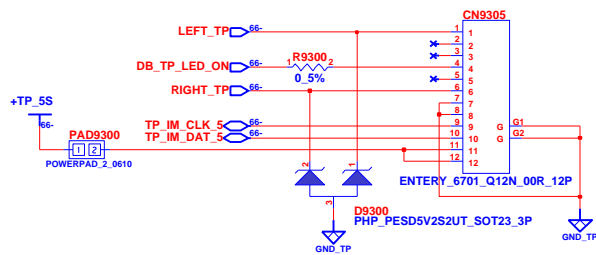
CHANGE by	<i>Alvin Tsai</i>	<i>6-Apr-2009</i>
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CS	1310A22933-0-0
SHEET	65 OF 70

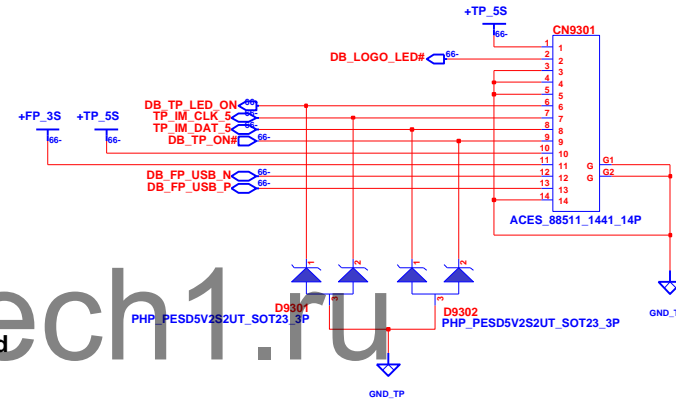
# PICK BUTTON BOARD

(For - Touchpad Module, Touchpad Switch Board, Fingerprint Module)

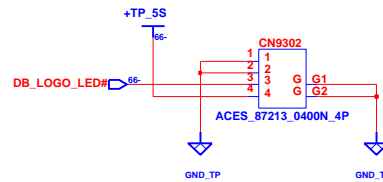
Connect to Touchpad Module



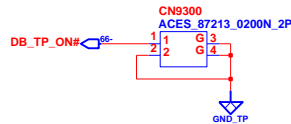
Connect to Mainboard's TP connector



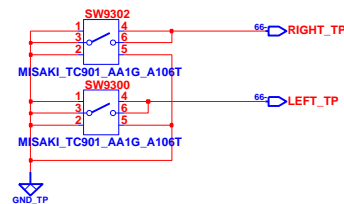
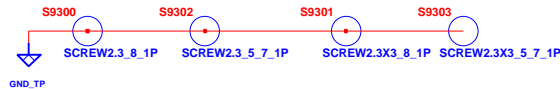
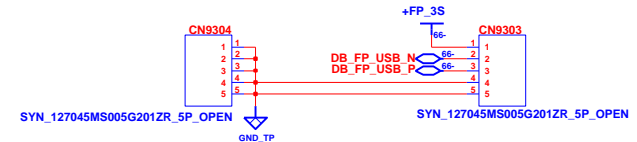
Connect to LOGO LED Board



Connect to Touchpad Switch Board



Connect to Fingerprint Module

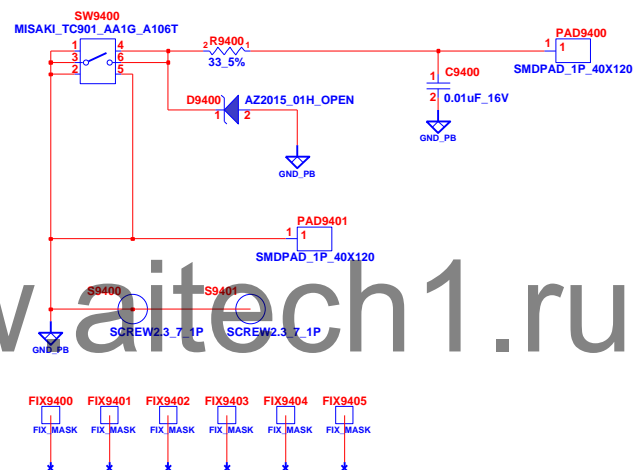


**INVENTEC**

TITLE			
CS10AT Pick Button Board			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A22933-0-0	A
SHEET		66	OF 70

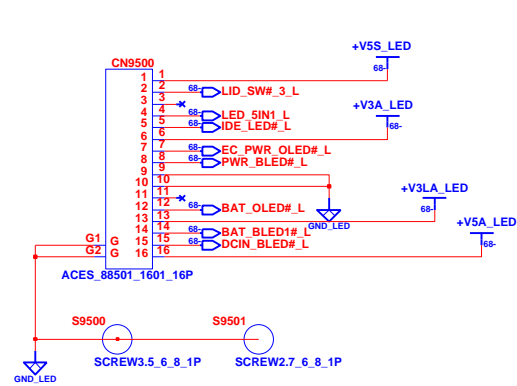
CHANGE by Alvin Tsai 6-Apr-2009

# TOUCHPAD SWITCH BOARD



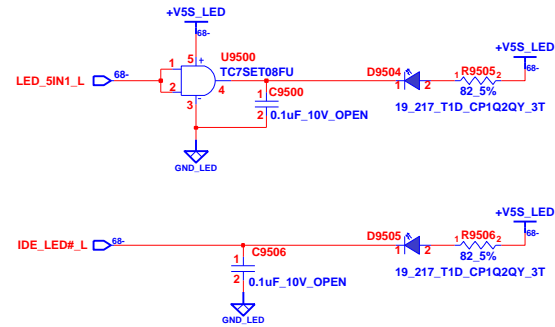
INVENTEC			
TITLE			
CS10AT			
Touchpad Switch Board			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A22933-0-0	A
CHANGE by		6-Apr-2009	
SHEET		67	OF 70

# LED & HALL SENSOR BOARD

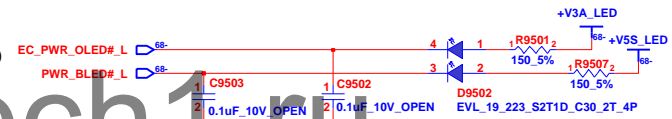


5IN1 LED

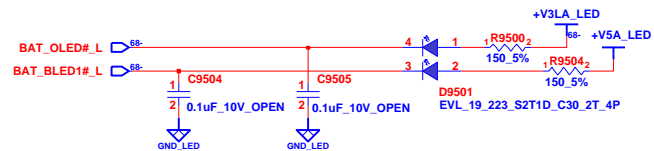
HDD LED



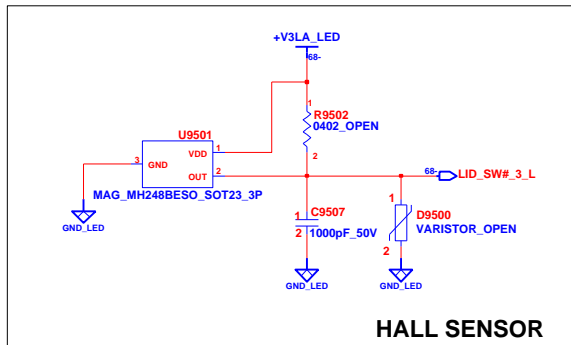
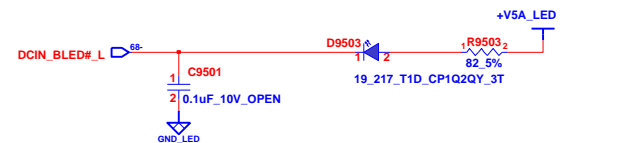
POWER LED



BATTERY LED



DC LED



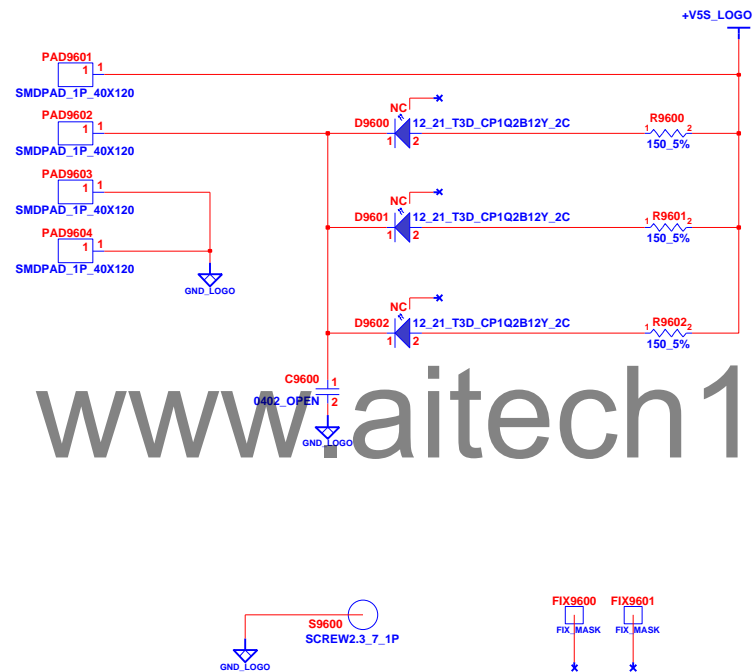
HALL SENSOR

**INVENTEC**

TITLE			
CS10AT LED & Hall Sensor Board			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A22933-0-0	A
SHEET		68	OF 70

CHANGE by Alvin Tsai 6-Apr-2009

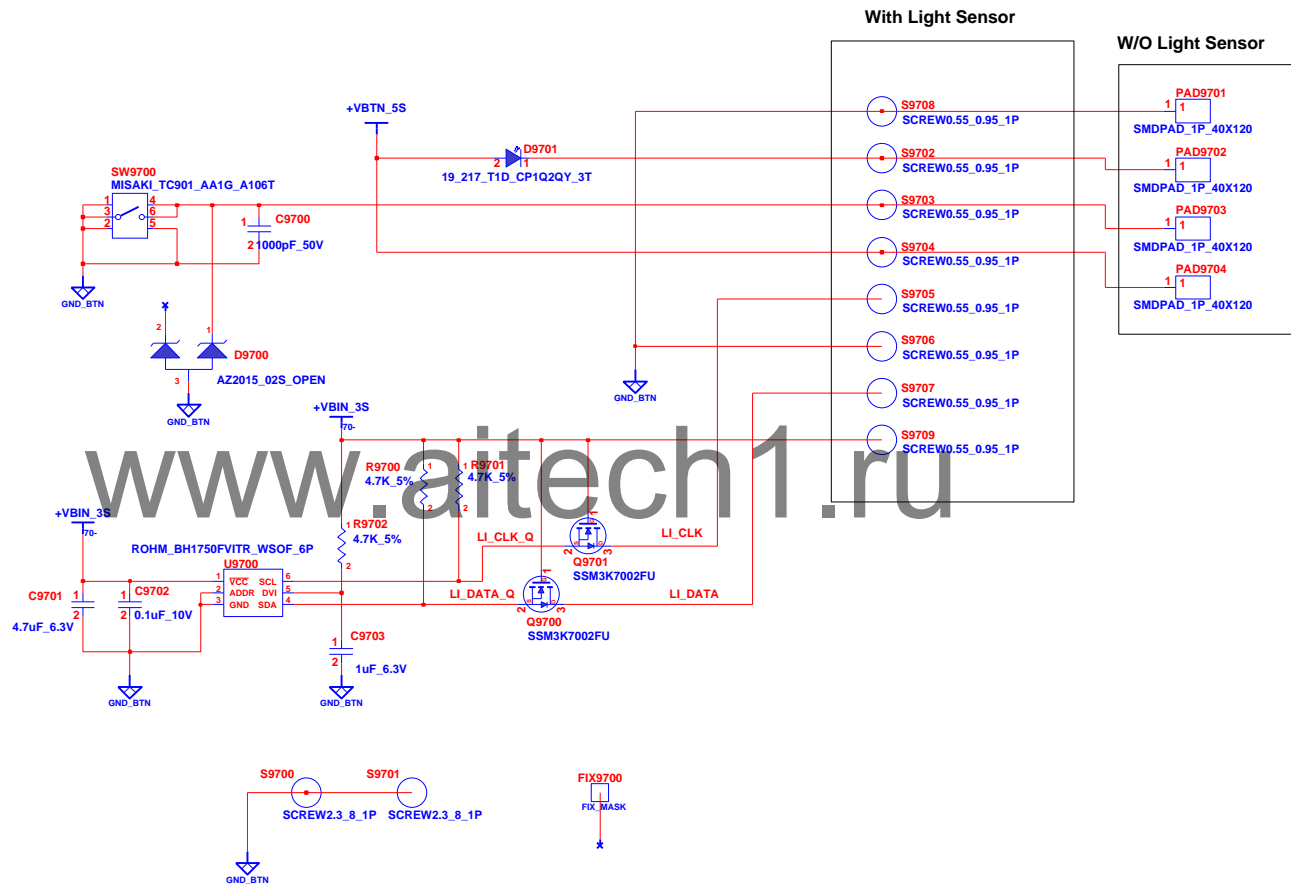
# LOGO LED BOARD



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INVENTEC			
TITLE CS10AT Logo LED Board			
SIZE A3	CODE CS	DOC. NUMBER 1310A22933-0-0	REV A
CHANGE by Alvin Tsai		6-Apr-2009	
SHEET 69		OF 70	
1		8	

# POWER BUTTON & LIGHT SENSOR BOARD



INVENTEC			
TITLE CS10AT			
Power Button & Light Sensor Board			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A22933-0-0	A
CHANGE by Alvin Tsai		6-Apr-2009	
SHEET		70	OF 70