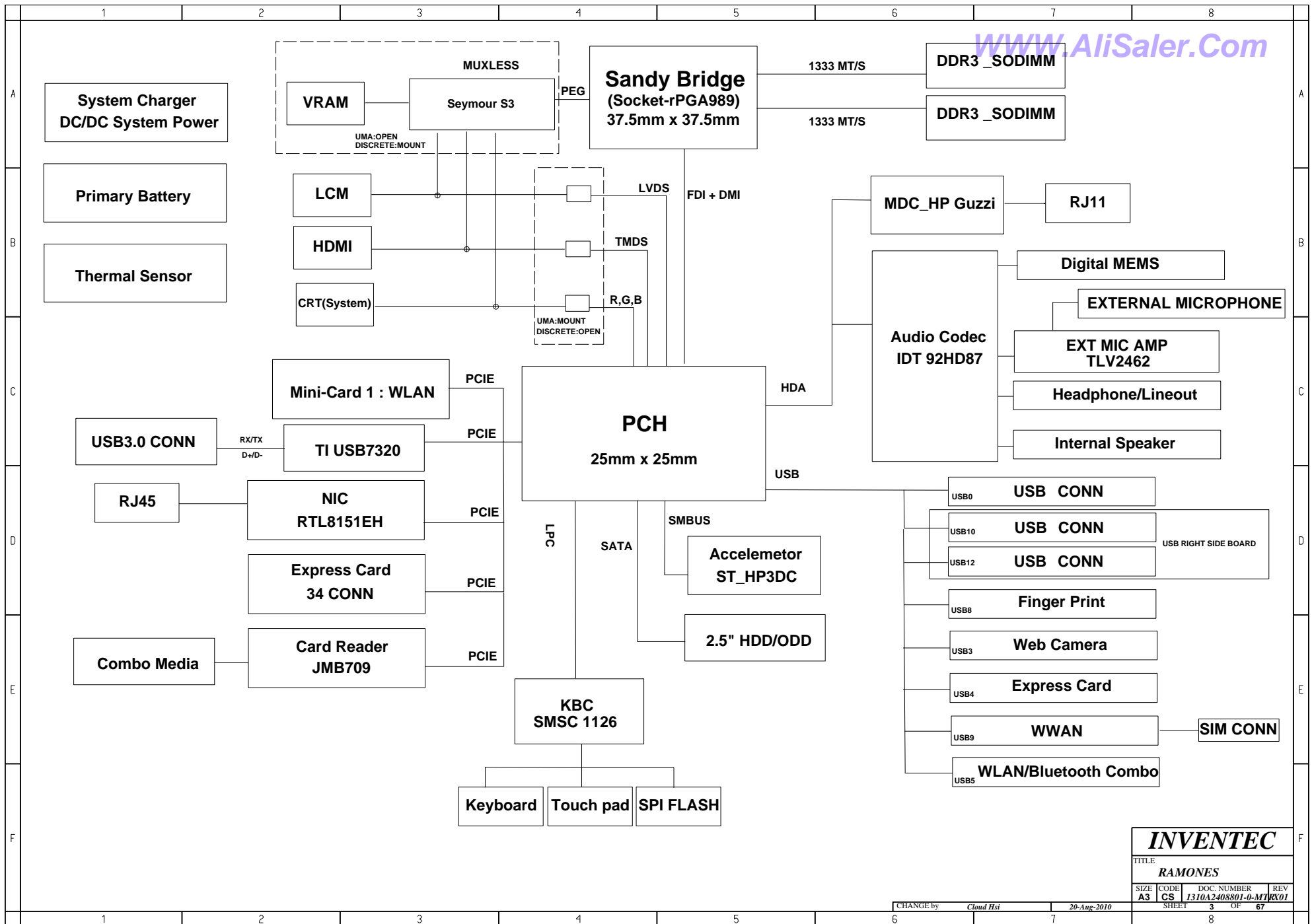




TABLE OF CONTENTS

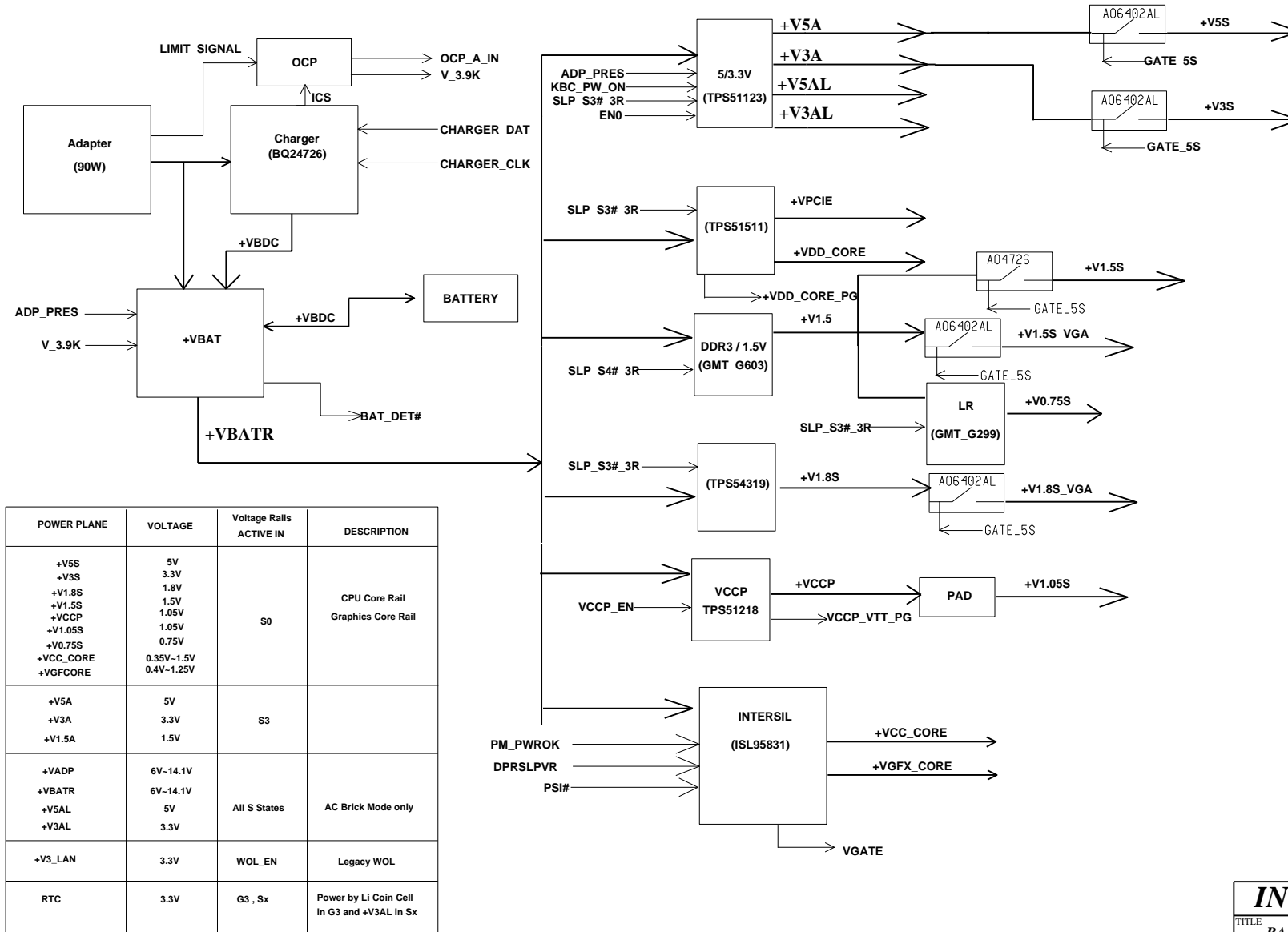
1- Cover Page		
2- TABLE OF CONTENTS		
3- BLOCK DIGARAM		
4- POWER MAP	34- PCH3	64- USB RIGHT SIDE BOARD
5- DC& BATTERY CHARGER	35- PCH4	65- POWER BUTTON BOARD
6- BATTERY CONN	36- PCH5	66- QUICK LAUCH&WLAN BOARD
7- SYSTEM POWER(3V/5V)	37- PCH6	67- PICK BUTTON DB BOARD
8- SYSTEM POWER(+V1.5/+V0.75S)	38- PCH7-POWER	
9- GRAPHIC POWER(+VDD_CORE/+VPCIE/+V1.8S)	39- PCH8-POWER	
10- SYSTEM POWER(+VCCP)	40- PCH9	
11- CPU POWER(+VCCSA)	41- CRT	
12- CPU POWER IC	42- HDMI CONN	
13- CPU POWER(+VCC_CORE/+VGFX)	43- LCM & WEBCAM	
14- POWER(SLEEP)	44- SATA & ODD CNTR	
15- POWER(SEQUENCE)	45- USB2.0 CNTR	
16- FAN & THERMAL	46- USB3.0_CONTROLLER	
17- XDP CONN	47- USB3.0	
18- SANDY BRIDGE1	48- FINGER PRINTER	
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21- SANDY BRIDGE4	51- KB & TOUCH PAD	
22- SANDY BRIDGE5	52- MDC	
23- SANDY BRIDGE6	53- LAN INTERFACE	
24- DDR3-DIMM0	54- LAN RJ45 CNTR	
25- DDR3-DIMM1	55- WWAN & WLAN & SIM	
26- Seymour-S3-1	56- EXPRESS CARD	
27- Seymour-S3-1	57- AUDIO CODEC	
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29- Seymour-S3-1	59-SCREW	
30- VRAM1	60- STITCHING CAPS	
31- VRAM2	61-CARD Reader & Audio Jack BOARD 1	
32- PCH1	62- CARD Reader & Audio Jack BOARD 2	
33- PCH2	63- DIGITAL MIC BOARD	

<b>INVENTEC</b>			
TITLE			
RAMONES			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2408801-0-MT	001
SHEET		2	OF 67



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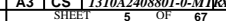


**INVENTEC**

TITLE  
**RAMONES**

SIZE <b>A3</b>	CODE <b>CS</b>	DOC. NUMBER <b>1310A2408801-0-MT</b>	REV <b>R001</b>
SHEET <b>4</b>		OF <b>67</b>	

CHANGE by *Cloud Hsi* 24-Aug-2010

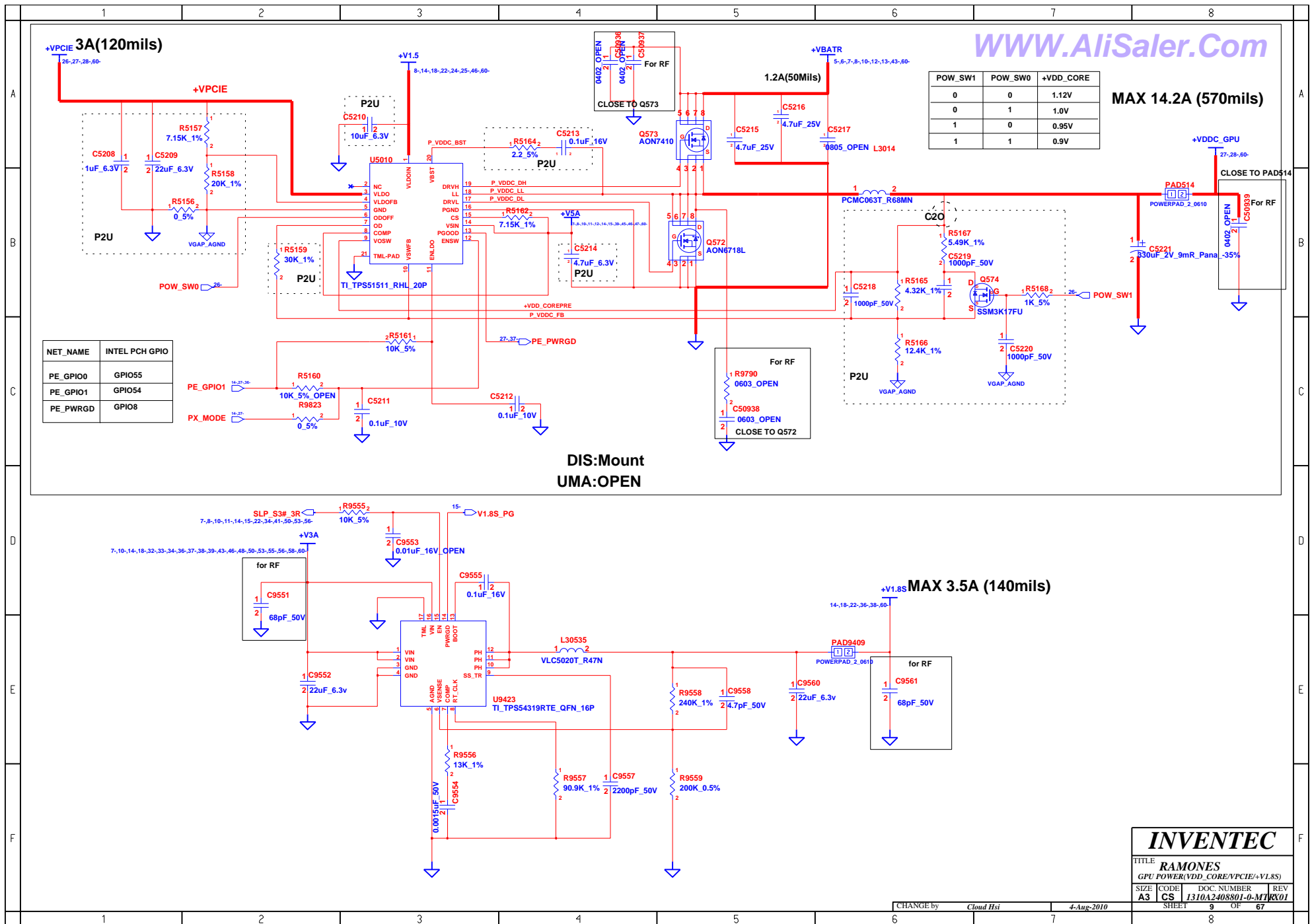


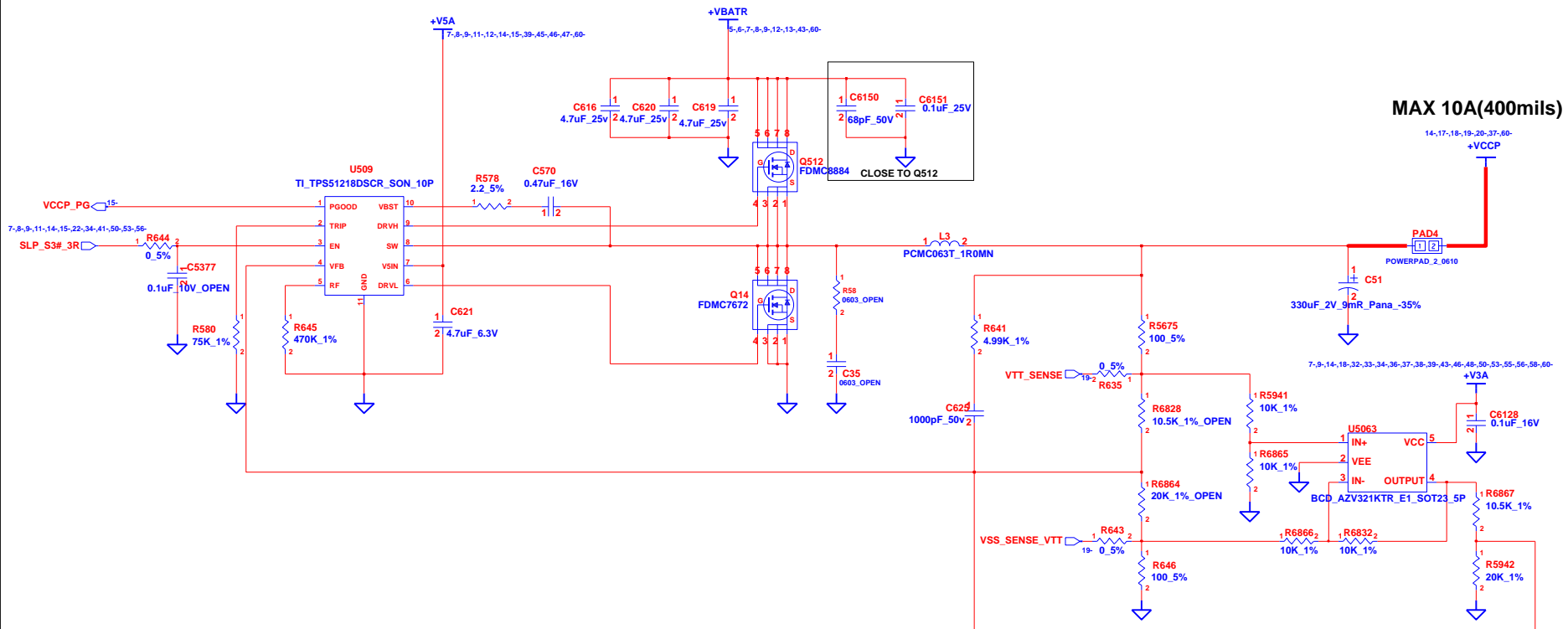




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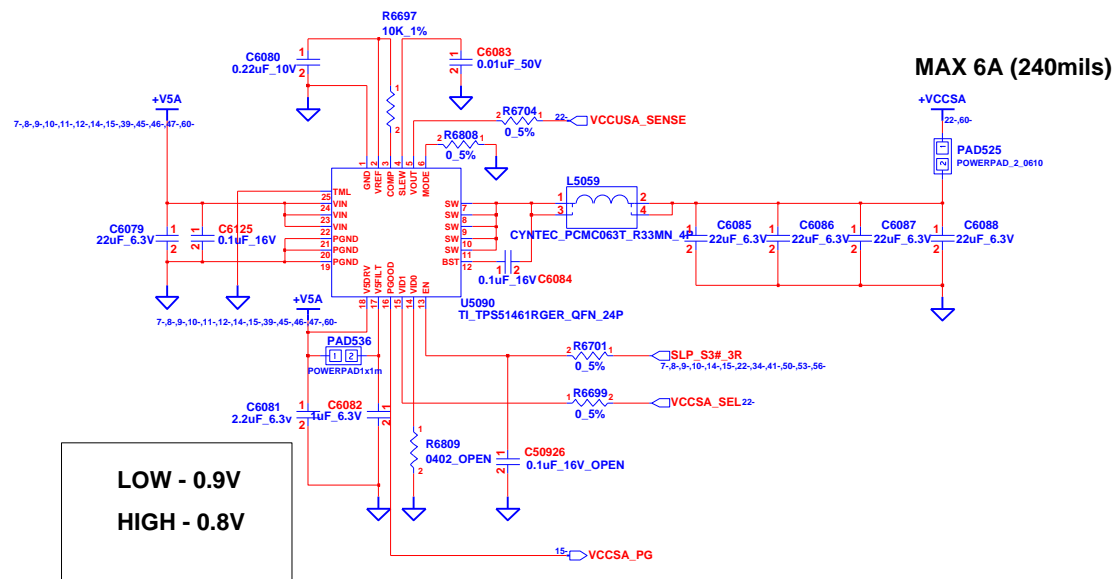




MAX 10A(400mils)

**INVENTEC**

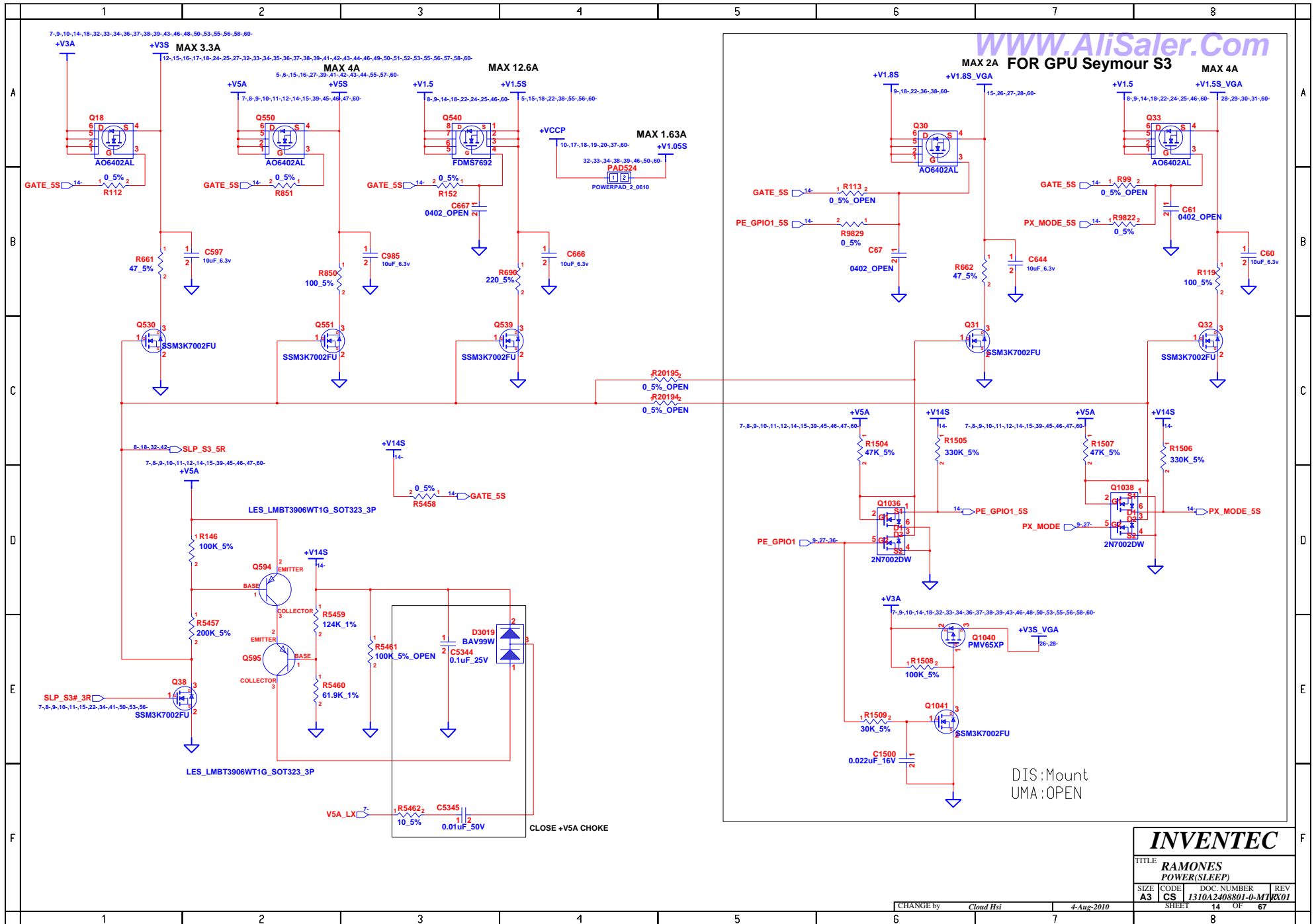
TITLE <b>RAMONES</b> SYSTEM POWER(+VCCP)			
SIZE <b>A3</b>	CODE <b>CS</b>	DOC. NUMBER <b>1310A2408801-0-MT</b>	REV <b>001</b>
CHANGE by <i>Cloud Hsi</i>		4-Aug-2010	
SHEET <b>10</b>		OF <b>67</b>	



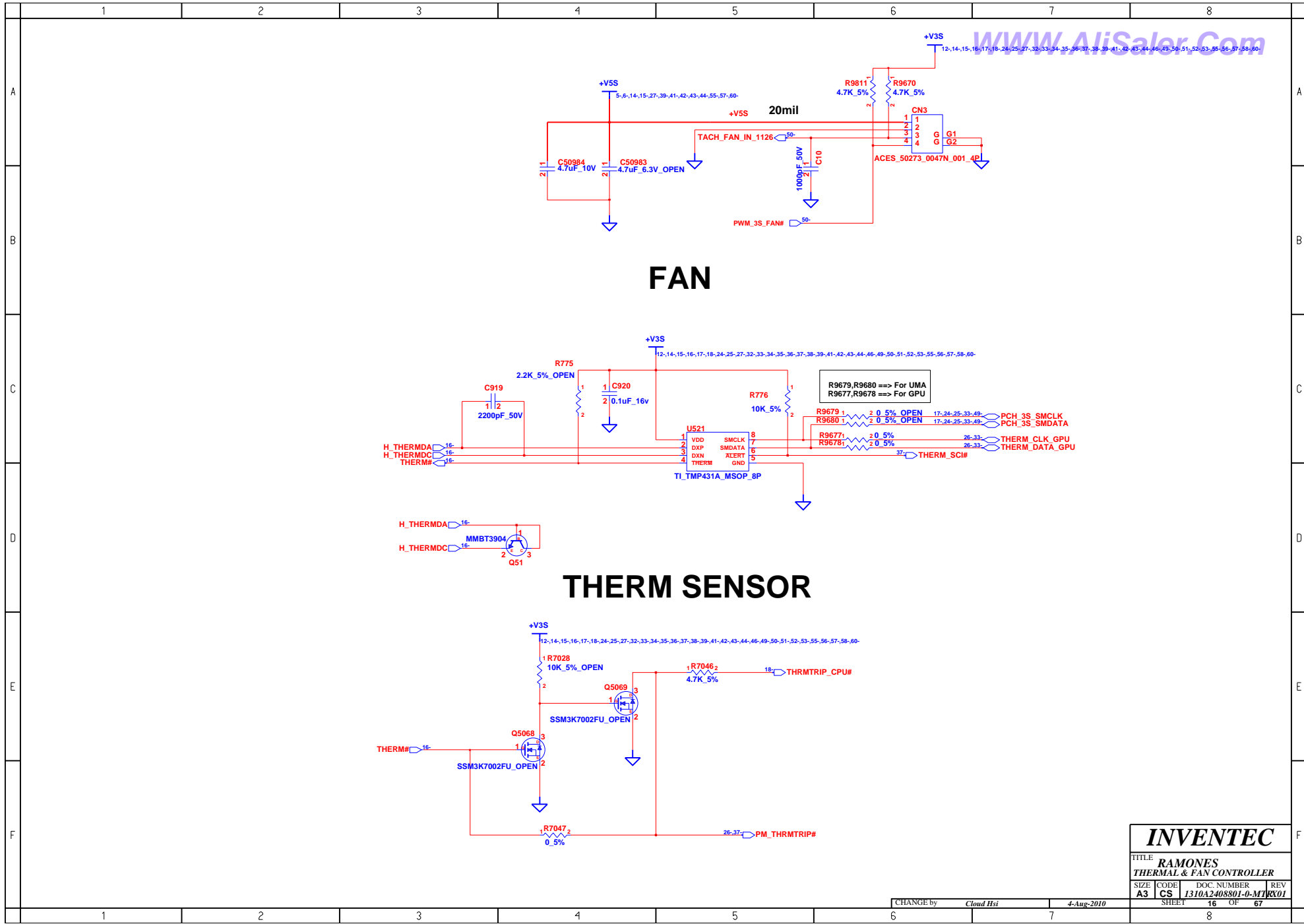
INVENTEC			
TITLE RAMONES CPU POWER(+VCCSA)			
SIZE A3	CODE CS	DOC. NUMBER 1310A2408801-0-MT	REV R001
CHANGE by Cloud Hsi		4-Aug-2010	
SHEET 11		OF 67	



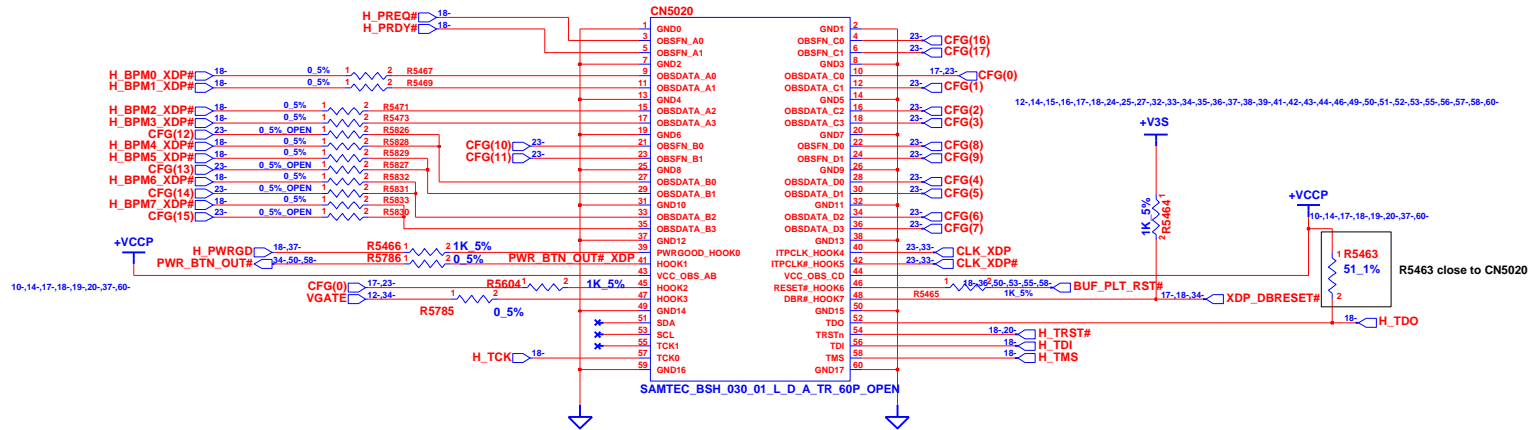




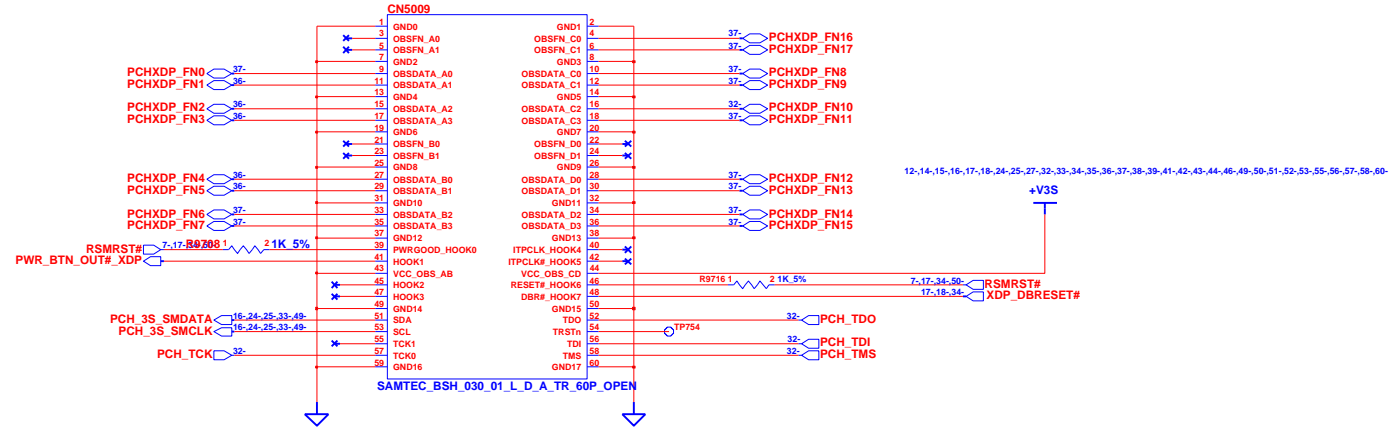








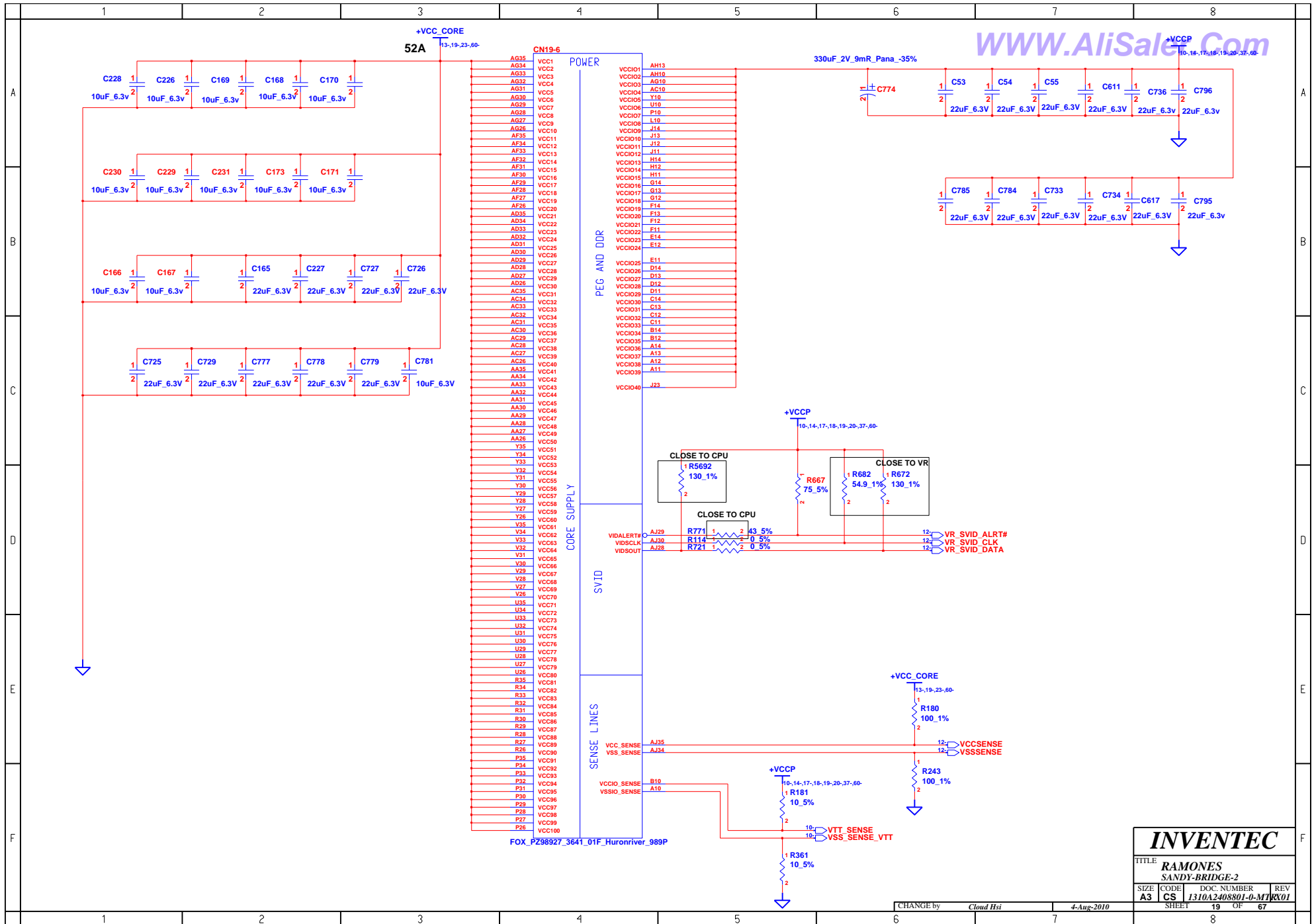
## CPU XDP CONNECTOR

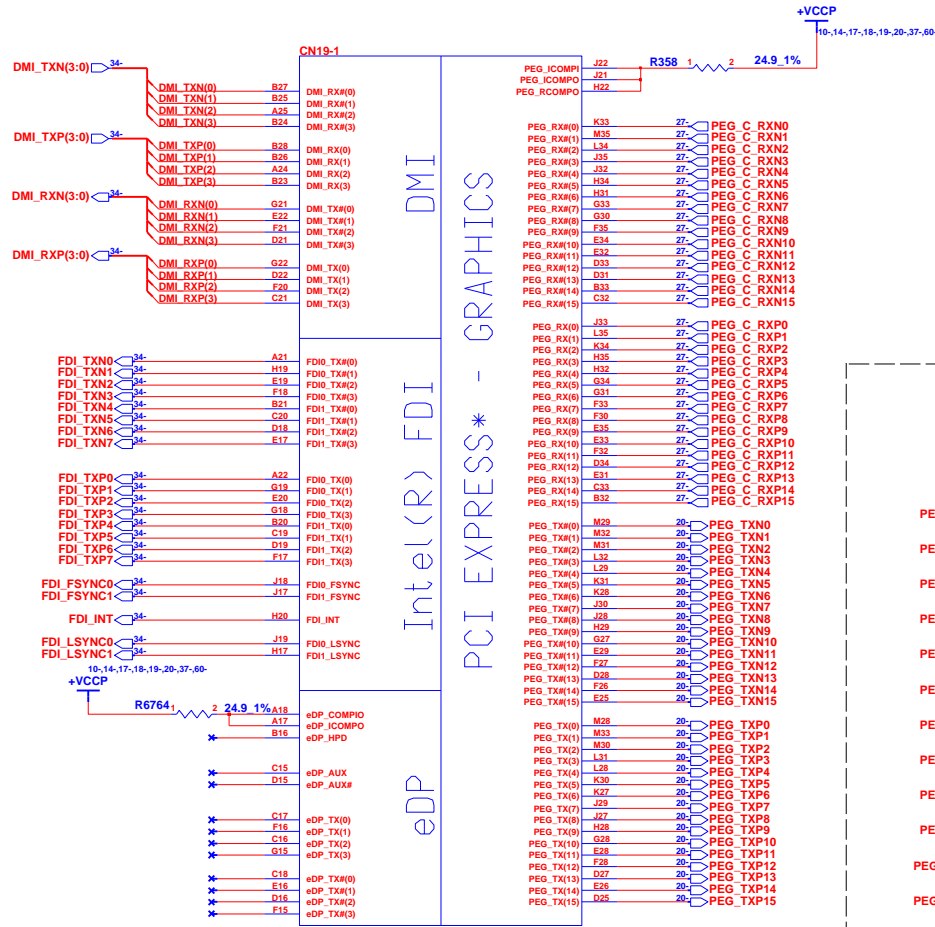


## PCH XDP CONNECTOR

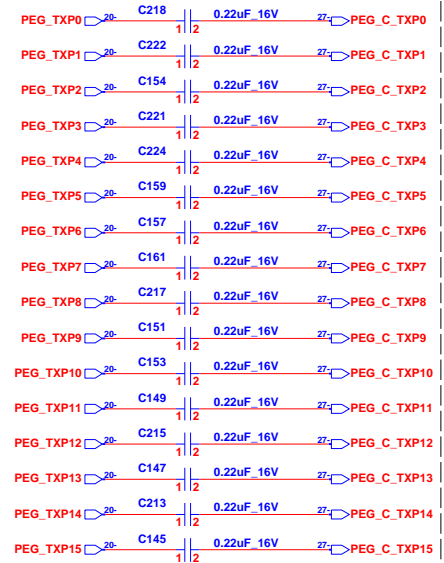
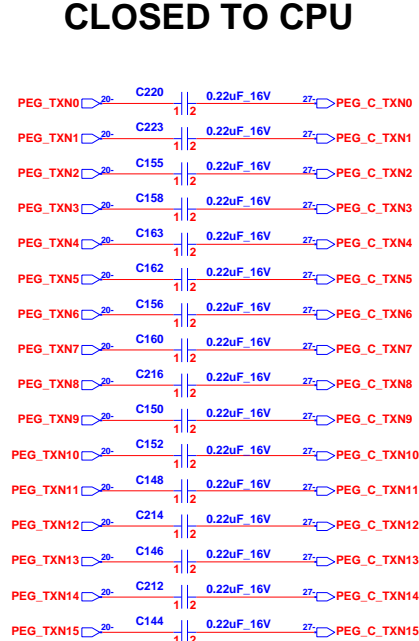
INVENTEC			
TITLE: RAMONES CPU & PCH XDP CNTR			
SIZE: A3	CODE: CS	DOC NUMBER: 1310A2408801-0-MT	REV: R001
CHANGE by: Cloud Hsi		4-Aug-2010	
SHEET: 17		OF: 67	







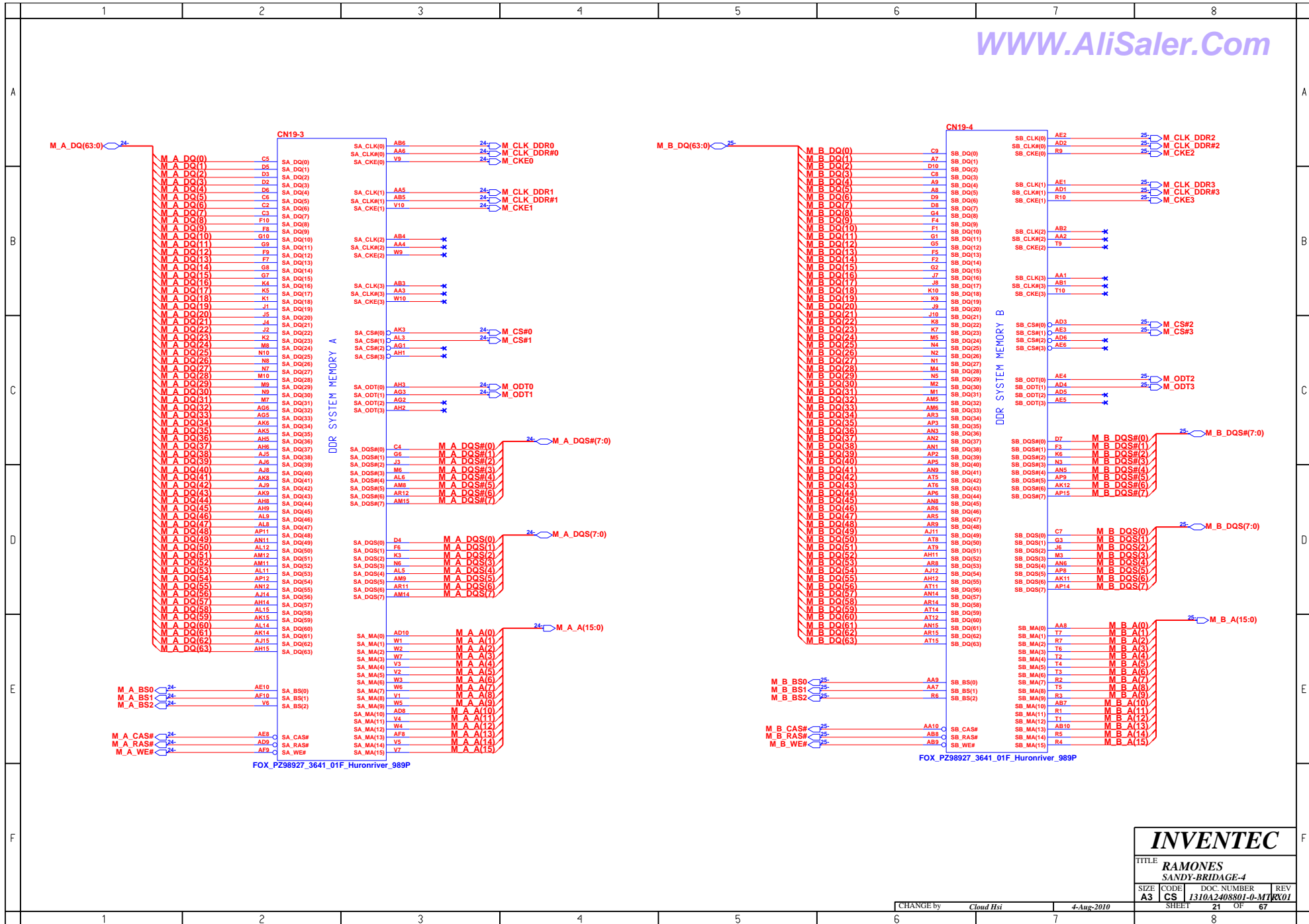
## CLOSED TO CPU



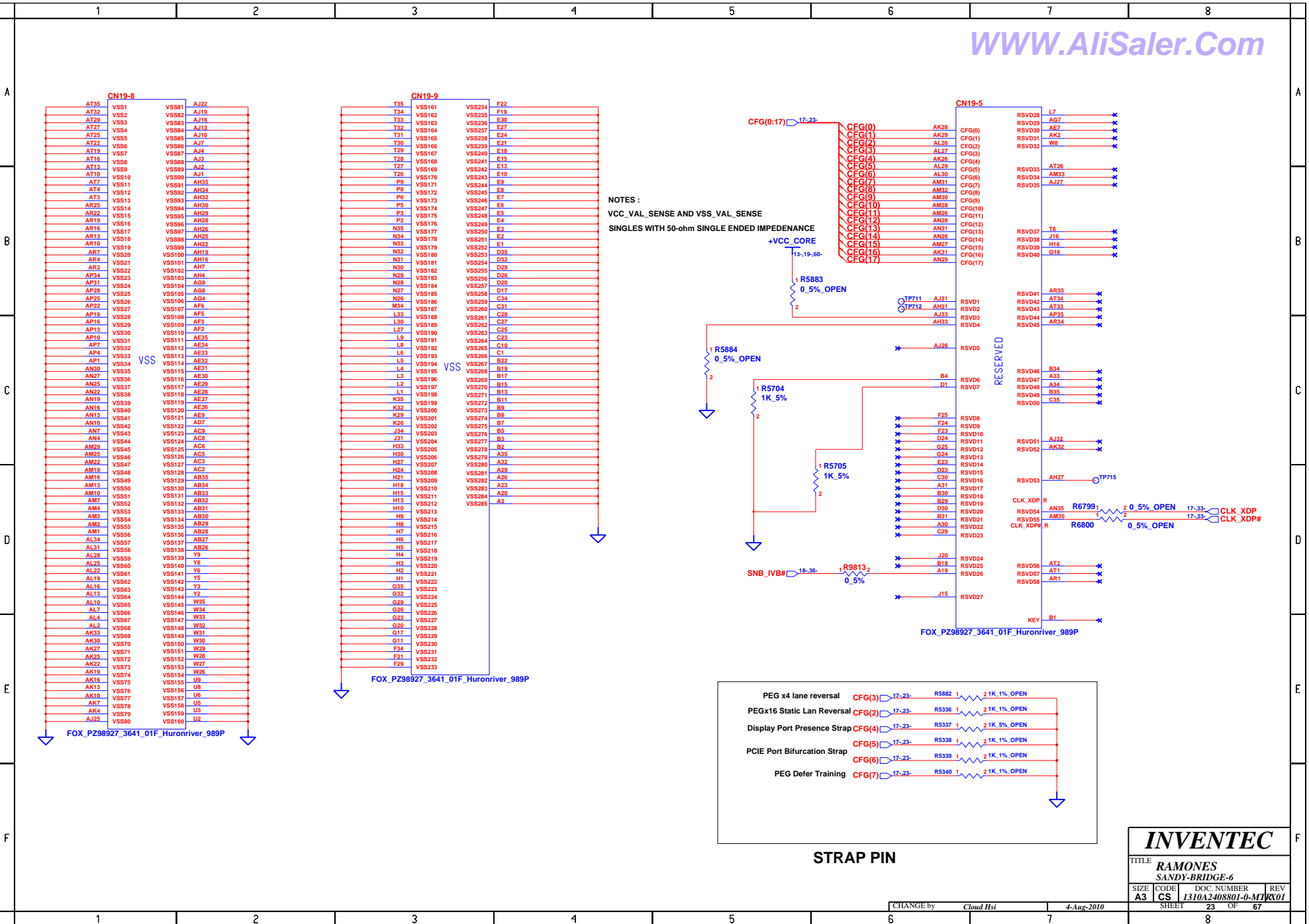
**INVENTEC**

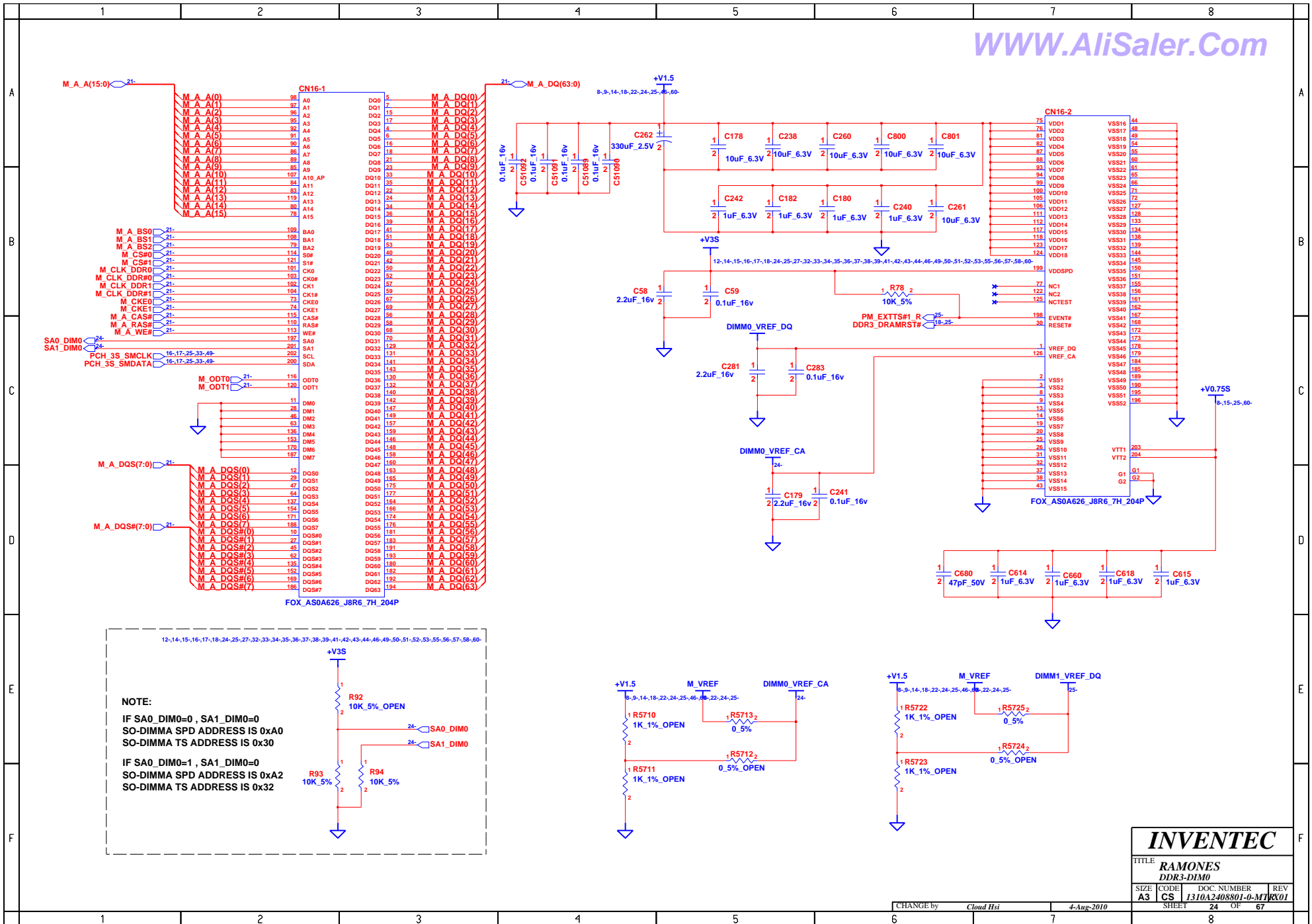
TITLE RAMONES SANDY-BRIDGE-3			
SIZE A3	CODE CS	DOC NUMBER 1310A2408801-0-M1	REV R001
SHEET 20		OF 67	

CHANGE by Cloud Hsi 4-Aug-2010



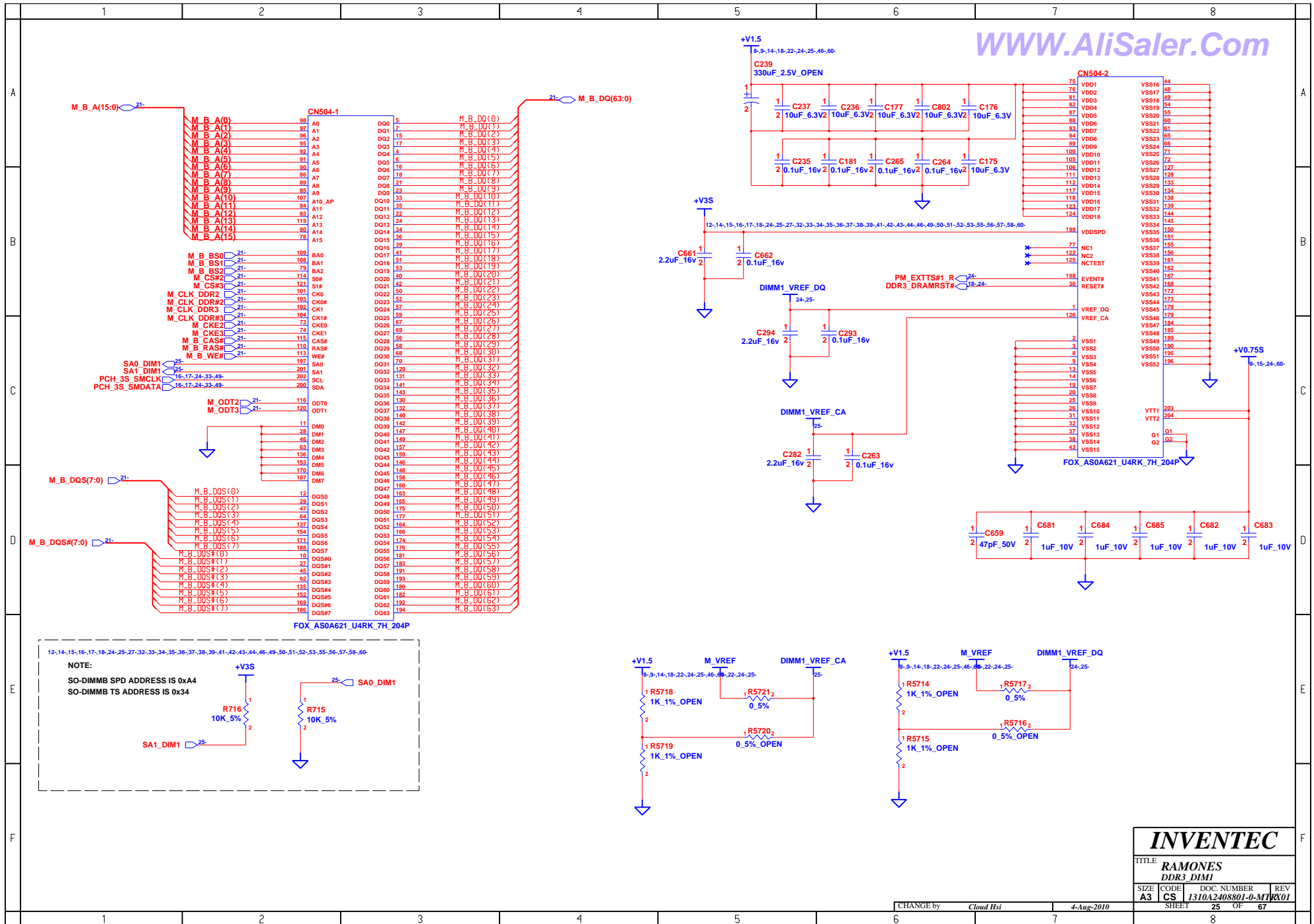


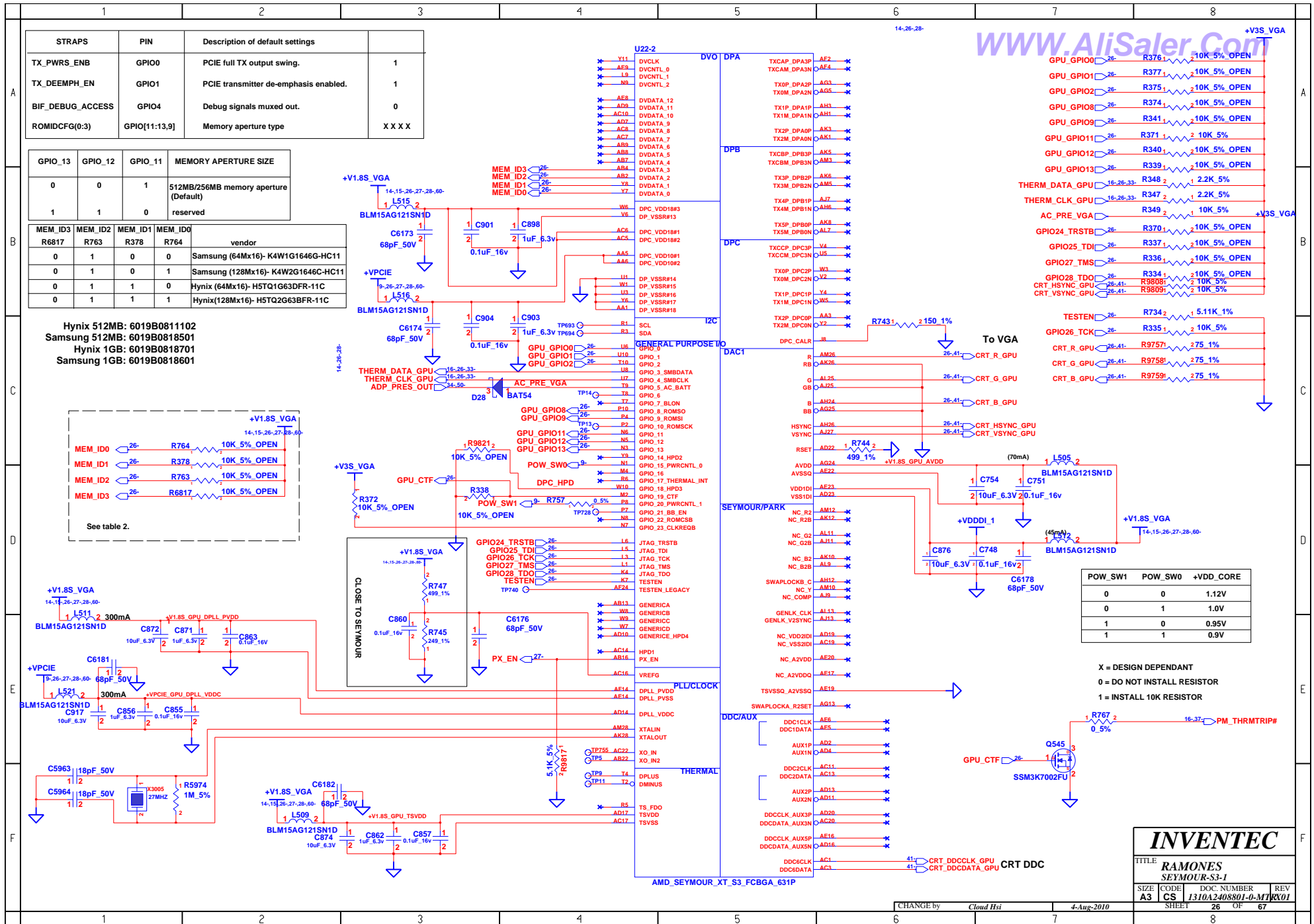




INVENTEC			
TITLE: RAMONES DDR3-DIM0			
SIZE: A3	CODE: CS	DOC. NUMBER: 1310A2408801-0-MT	REV: R001
CHANGE by: Cloud Hsi		4-Aug-2010	
SHEET: 24		OF: 67	

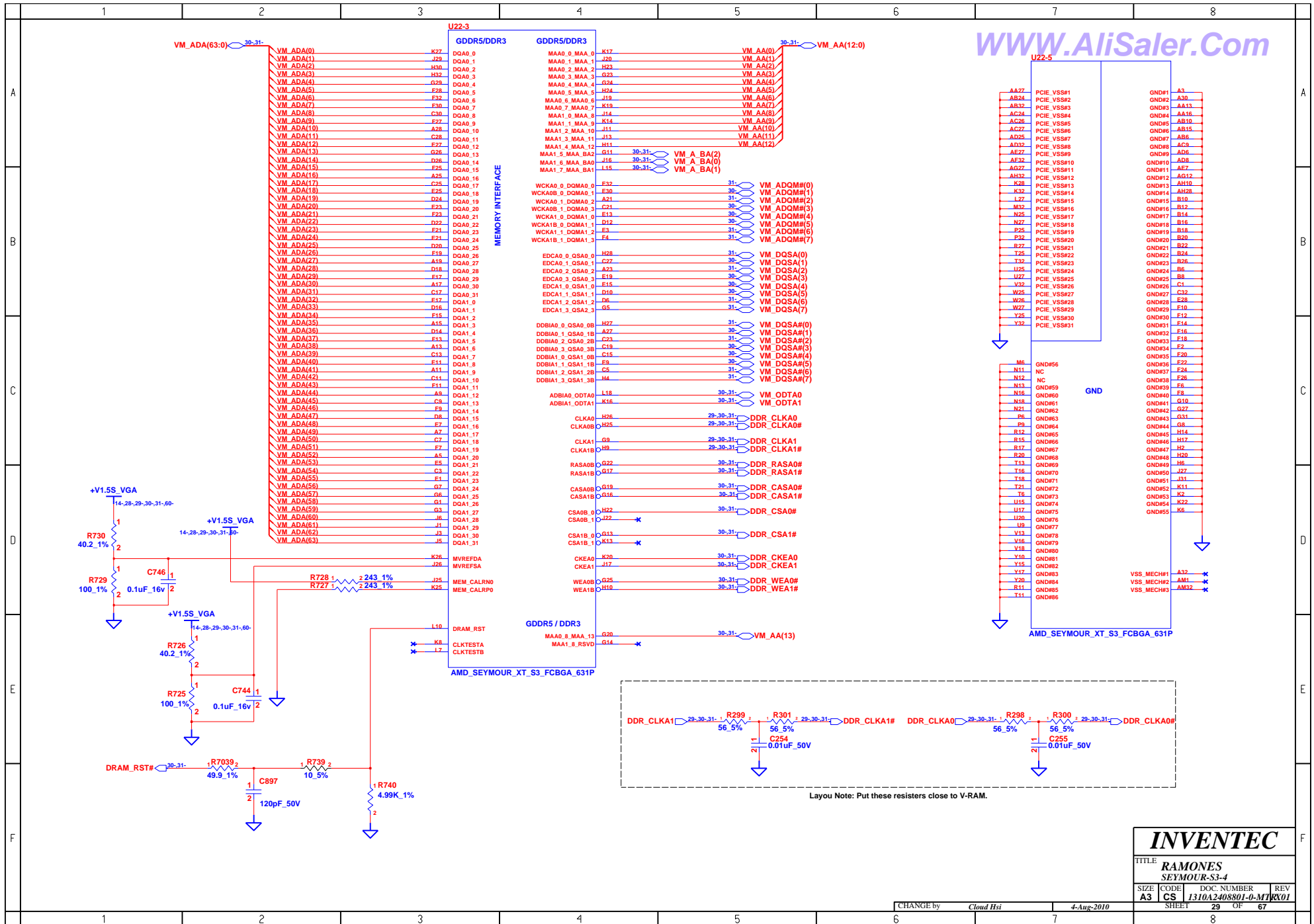


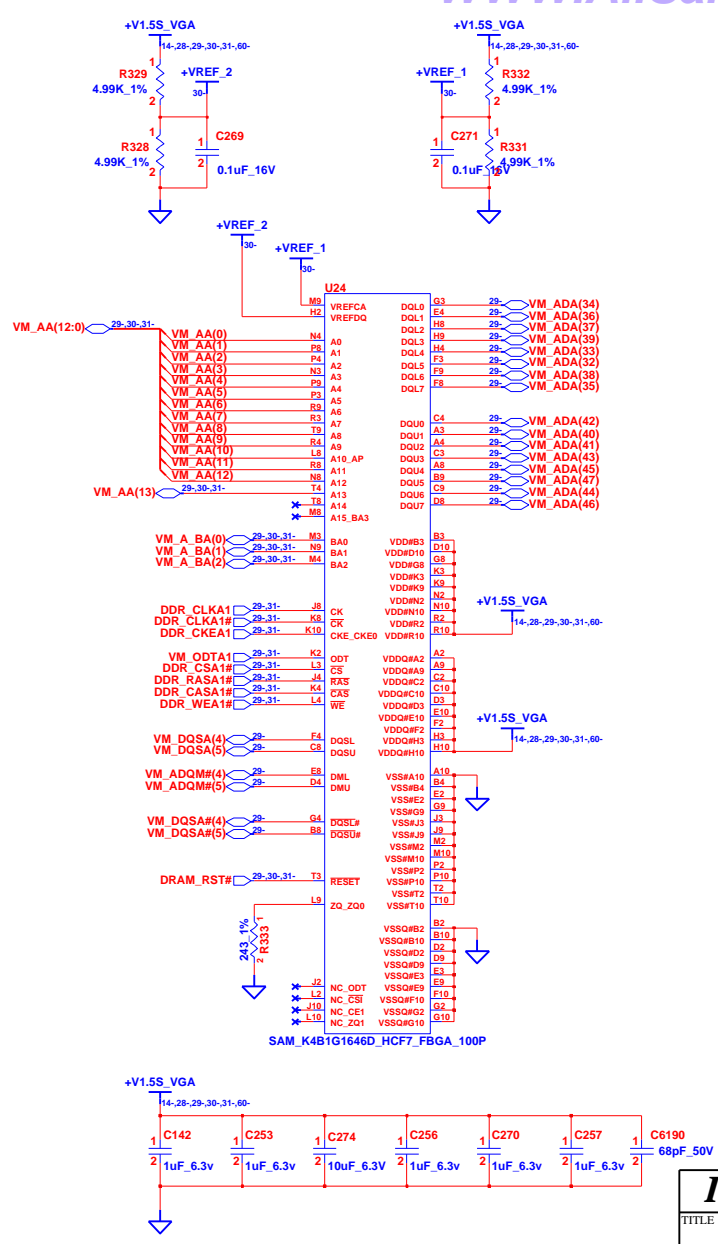
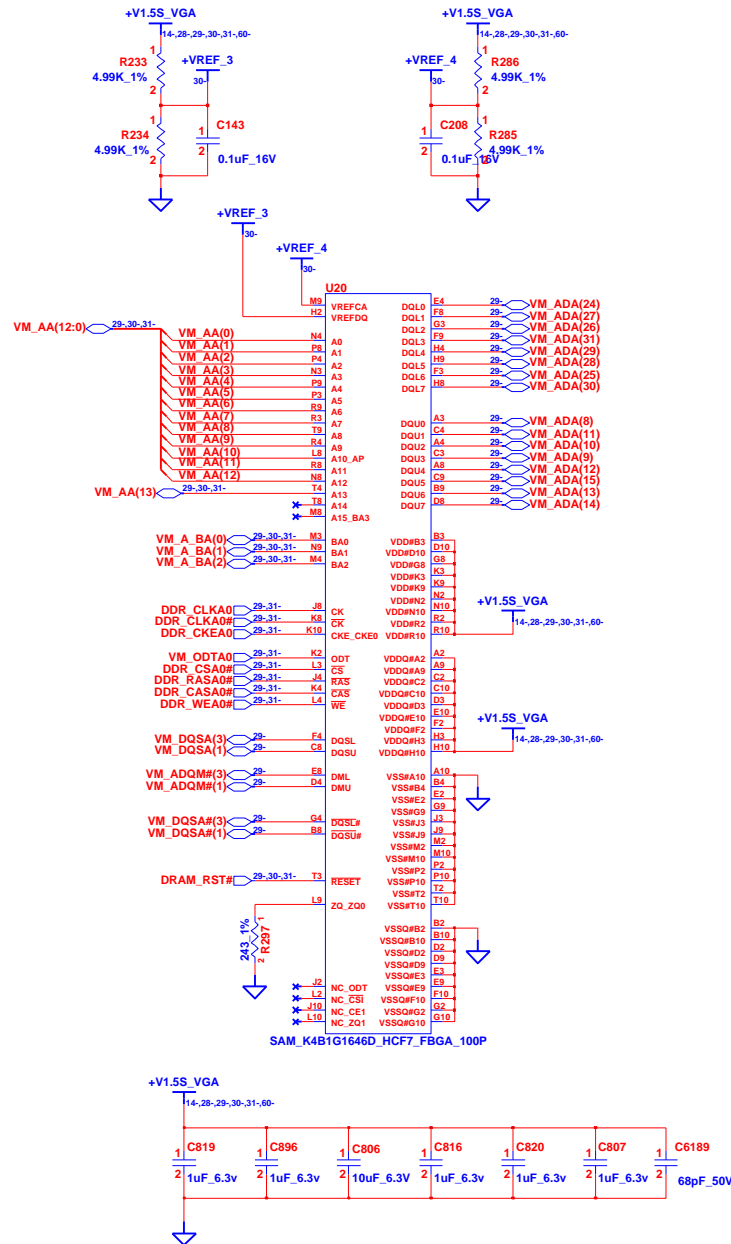












INVENTEC			
TITLE: RAMONES VRAM-1			
SIZE: A3	CODE: CS	DOC. NUMBER: 1310A2408801-0-MT	REV: R001
SHEET: 30		OF: 67	

CHANGE by: Cloud Hsi 4-Aug-2010



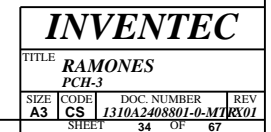


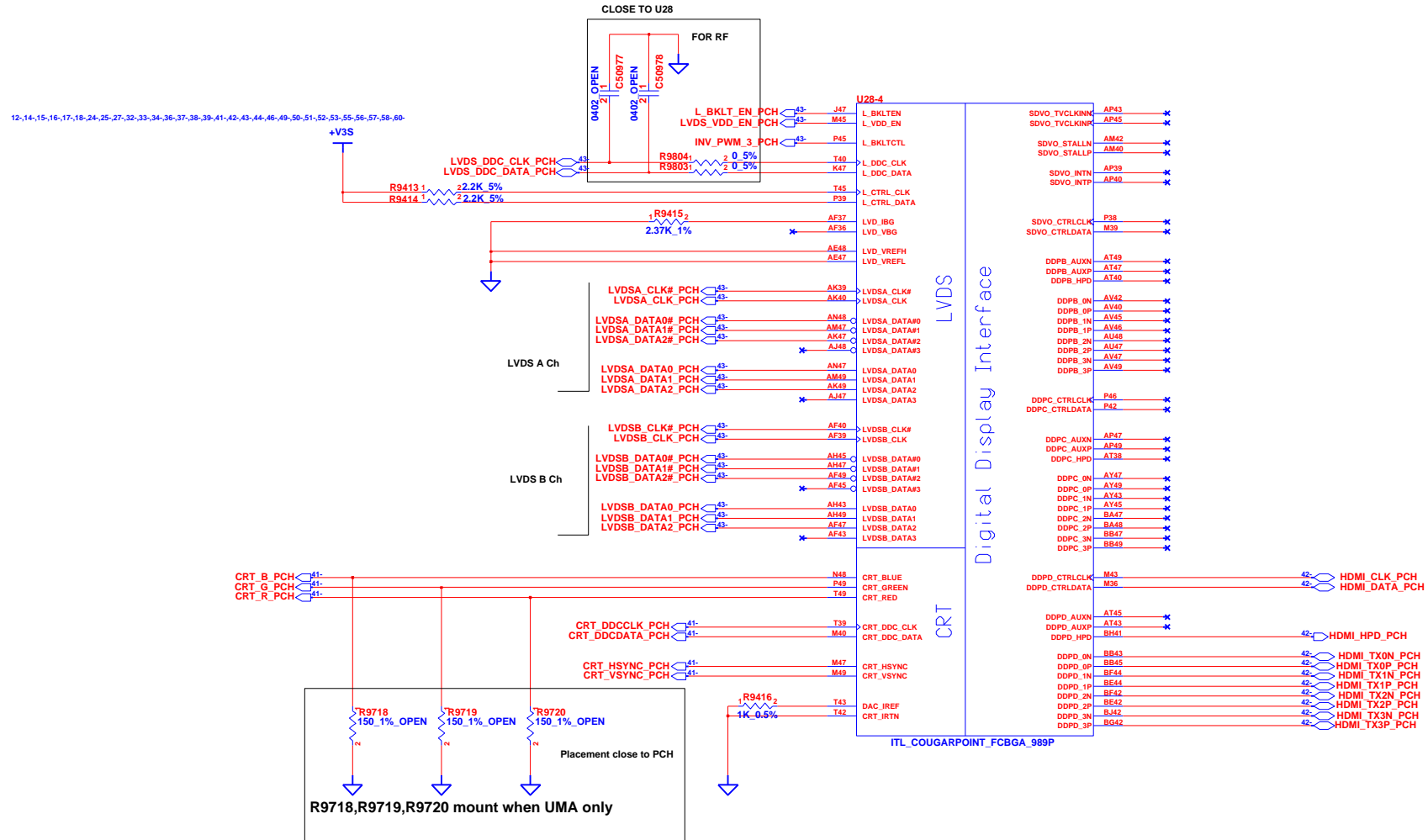






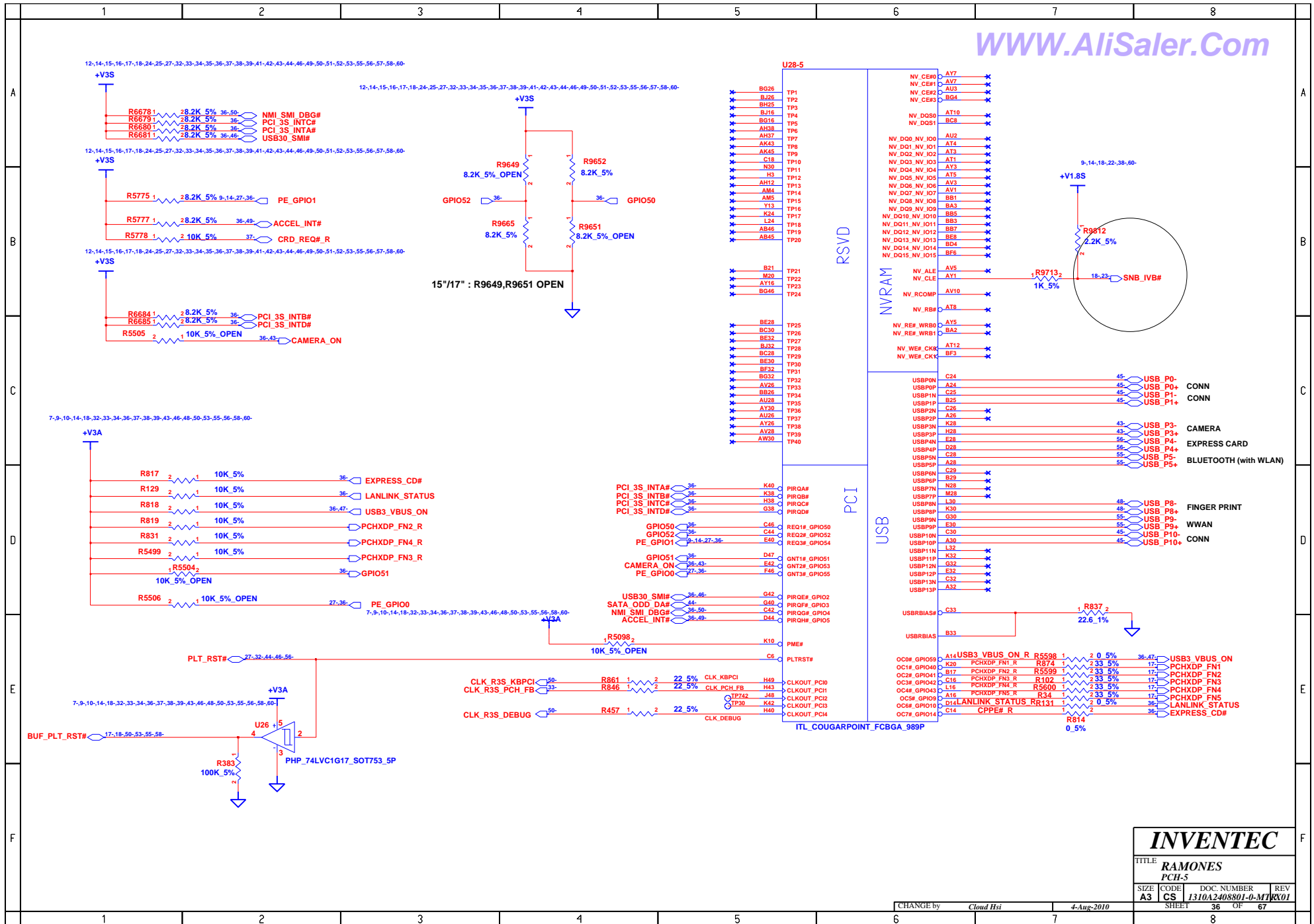
**Note:** 1.SLP\_SUS and SUSACK# are NC if DSW is not supported  
2.DPWROK should connect to RSMRST# if DSW not supported  
3.PCH\_DPWROK pull up to +V3S enables DSW wuport. No install R5261 to disable DSW





**INVENTEC**

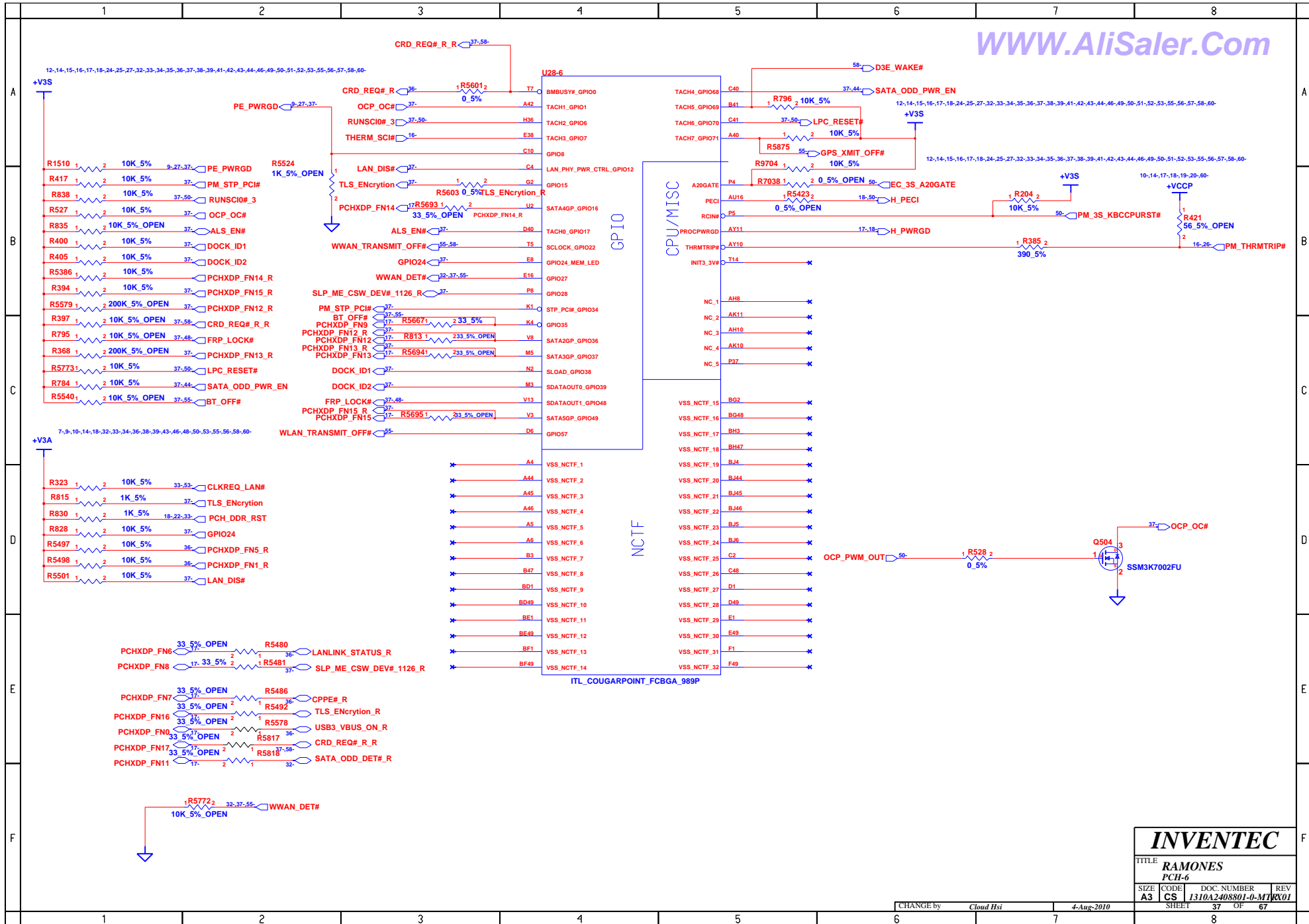
TITLE <b>RAMONES</b> <b>PCH-4</b>			
SIZE <b>A3</b>	CODE <b>CS</b>	DOC. NUMBER <b>1310A2408801-0-MT</b>	REV <b>001</b>
CHANGE by <i>Cloud Hsi</i>		4-Aug-2010	
SHEET <b>35</b>		OF <b>67</b>	



INVENTEC

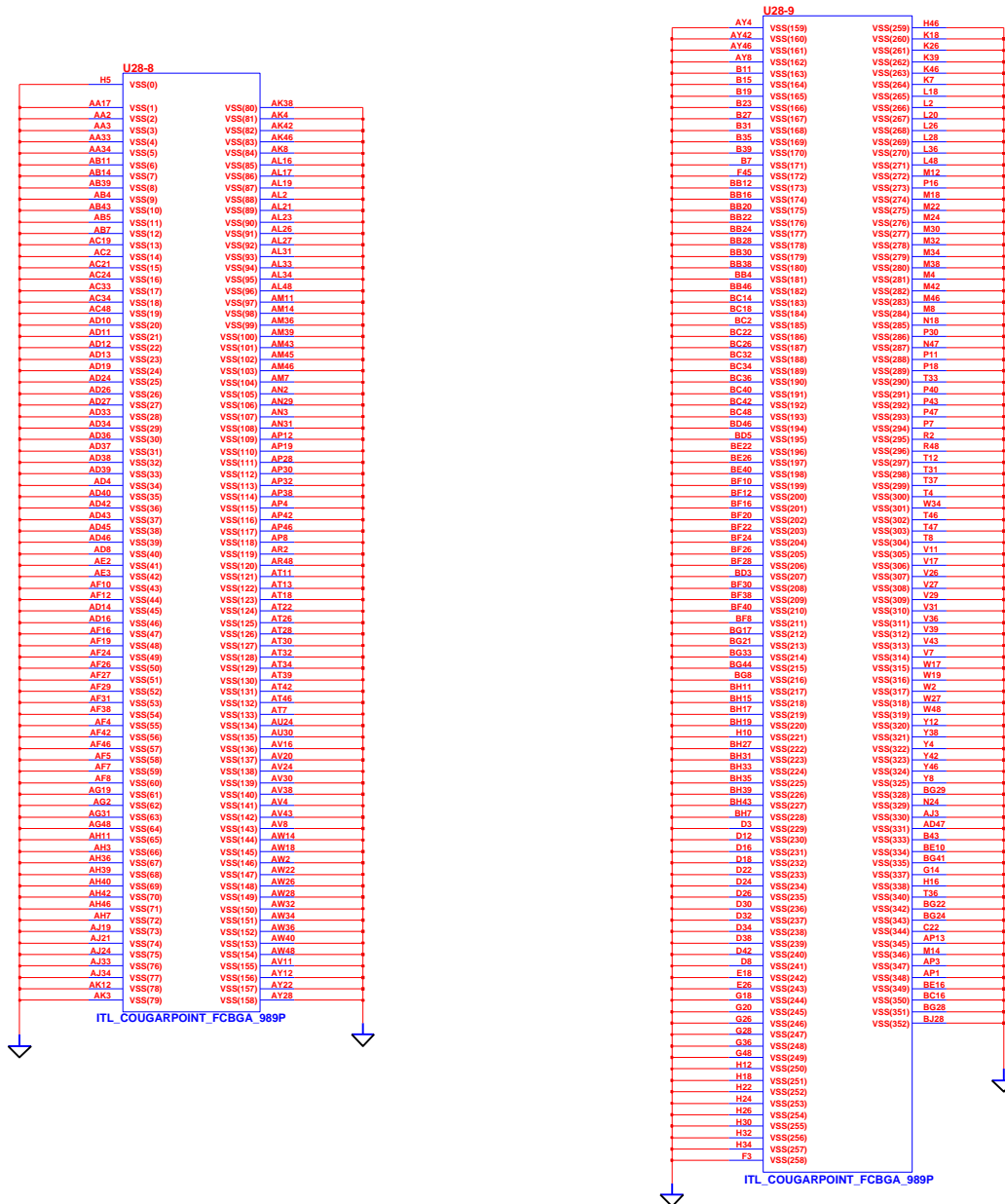
TITLE			
RAMONES			
PCH-5			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2408801-0-MT	RC01
SHEET		36	OF 67

CHANGE by Cloud Hsi 4-Aug-2010









ITL COUGARPOINT FCBGA 989P

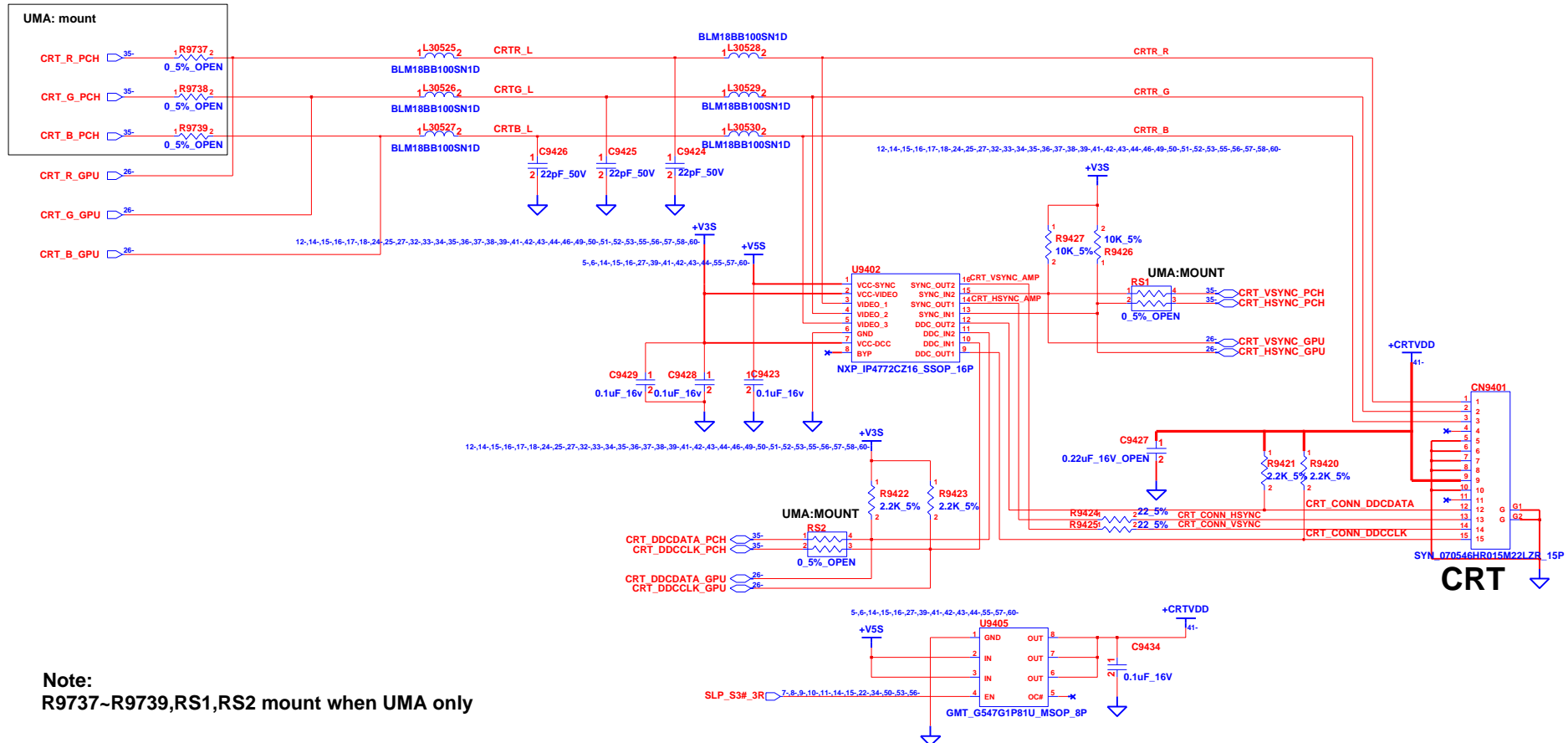
ITL COUGARPOINT FCBGA 989P

**INVENTEC**

TITLE <b>RAMONES</b>			
<b>PCH-9</b>			
SIZE <b>A3</b>	CODE <b>CS</b>	DOC. NUMBER <b>1310A2408801-0-MT</b>	REV <b>001</b>
SHEET <b>40</b>		OF <b>67</b>	

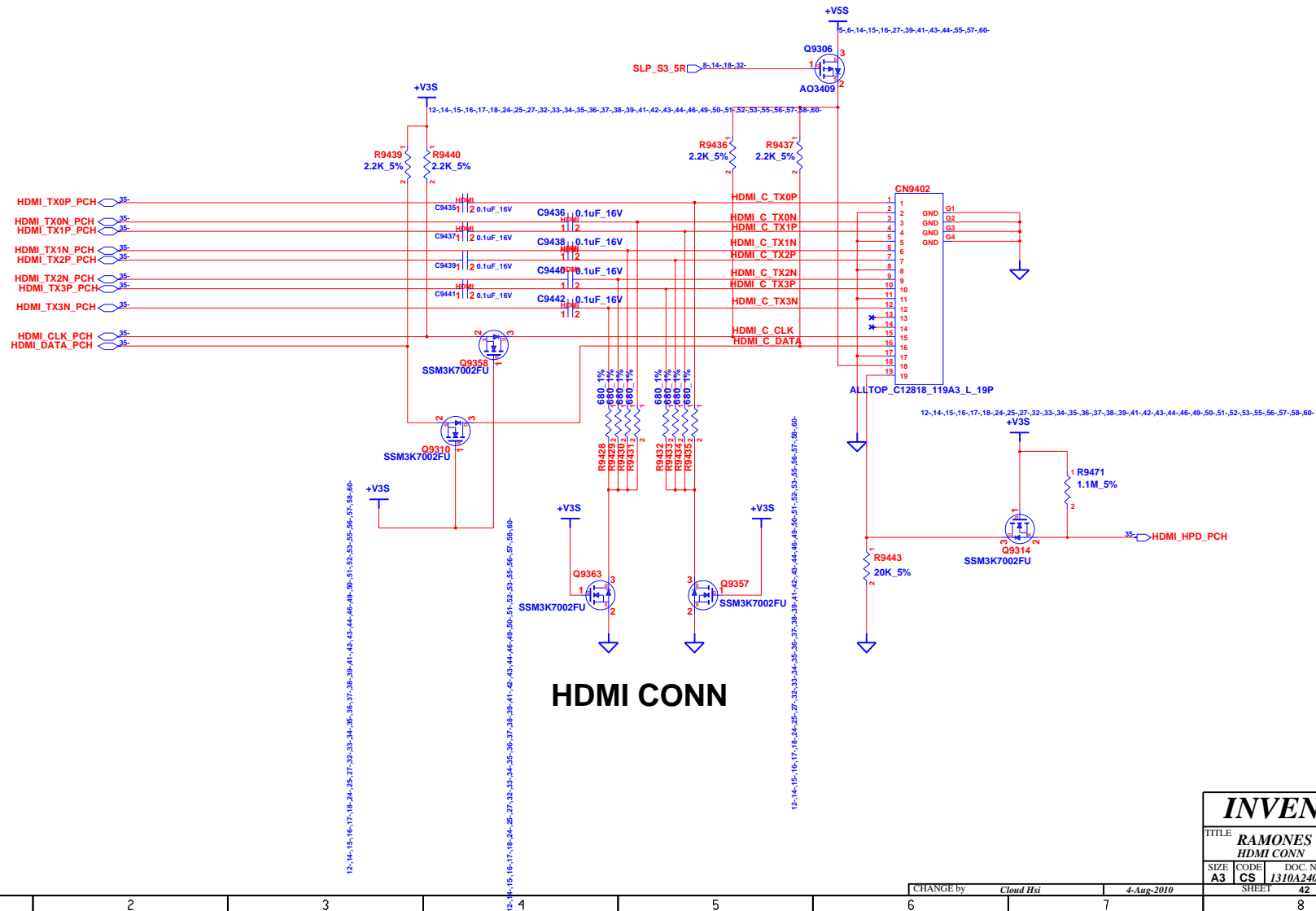
CHANGE by *Cloud Hsi* 4-Aug-2010





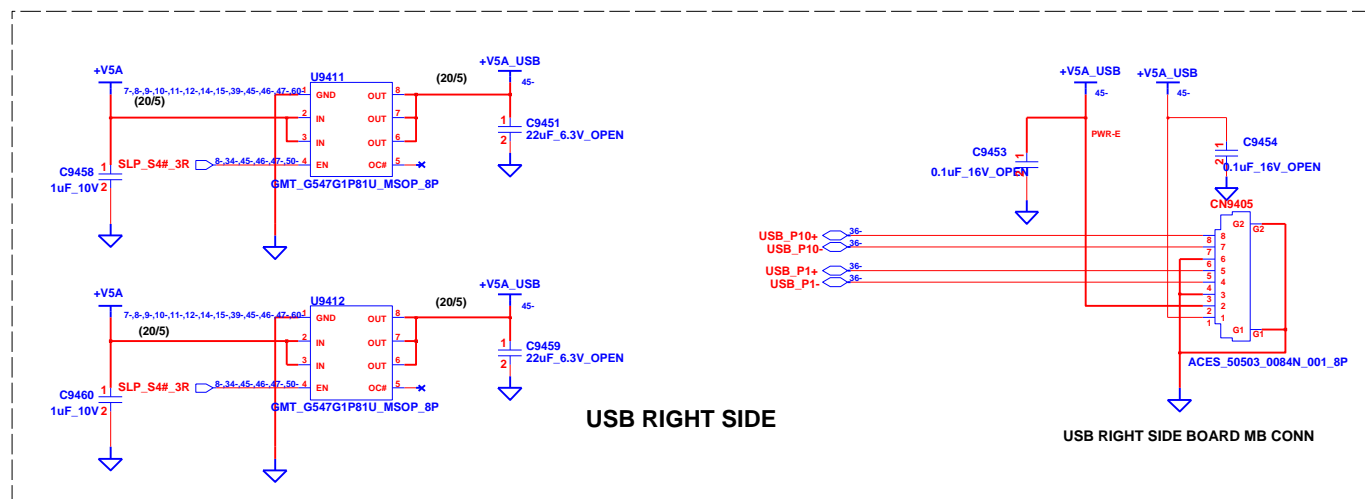
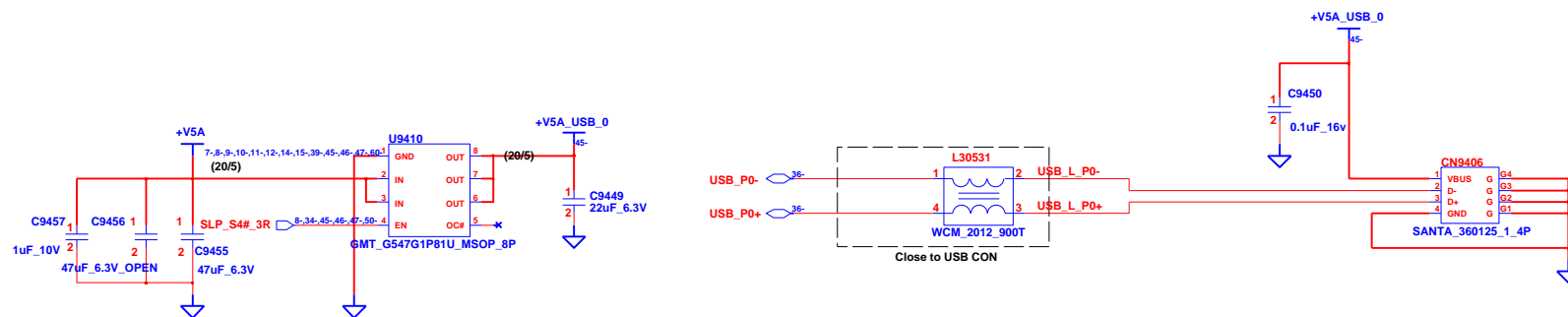
Note:  
R9737-R9739,RS1,RS2 mount when UMA only

INVENTEC			
TITLE: RAMONES CRT			
SIZE: A3	CODE: CS	DOC. NUMBER: 1310A2408801-0-MT	REV: R001
CHANGE by: Cloud Hsi		4-Aug-2010	
SHEET: 41		OF: 67	









USB RIGHT SIDE

USB RIGHT SIDE BOARD MB CONN

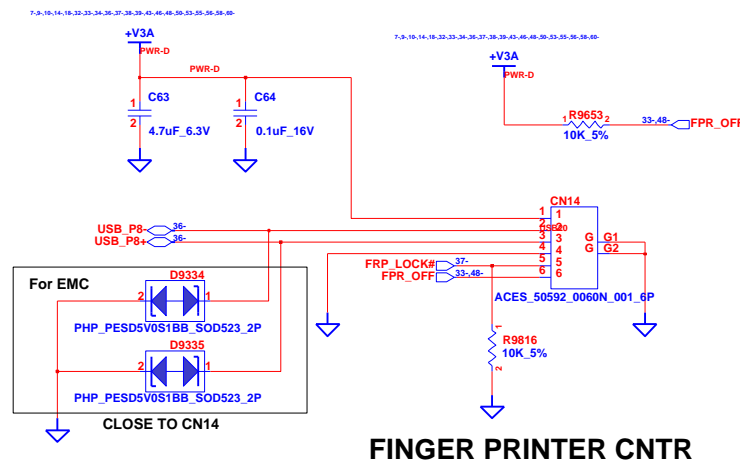
**INVENTEC**

TITLE <b>RAMONES</b> USB CNTR			
SIZE <b>A3</b>	CODE <b>CS</b>	DOC. NUMBER <b>1310A2408801-0-MT</b>	REV <b>001</b>
SHEET <b>45</b>		OF <b>67</b>	

CHANGE by Cloud Hsi 4-Aug-2010

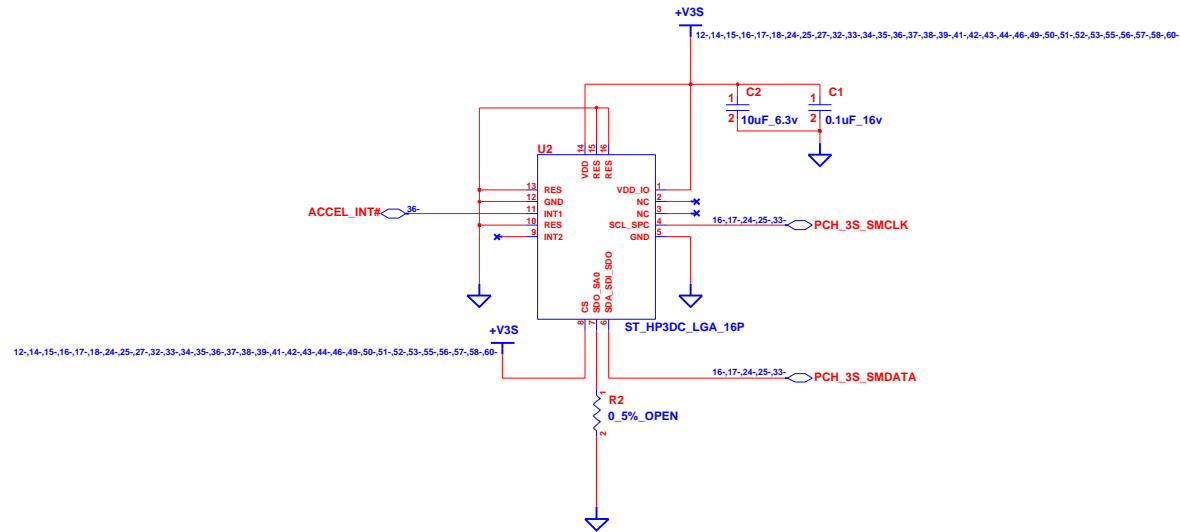






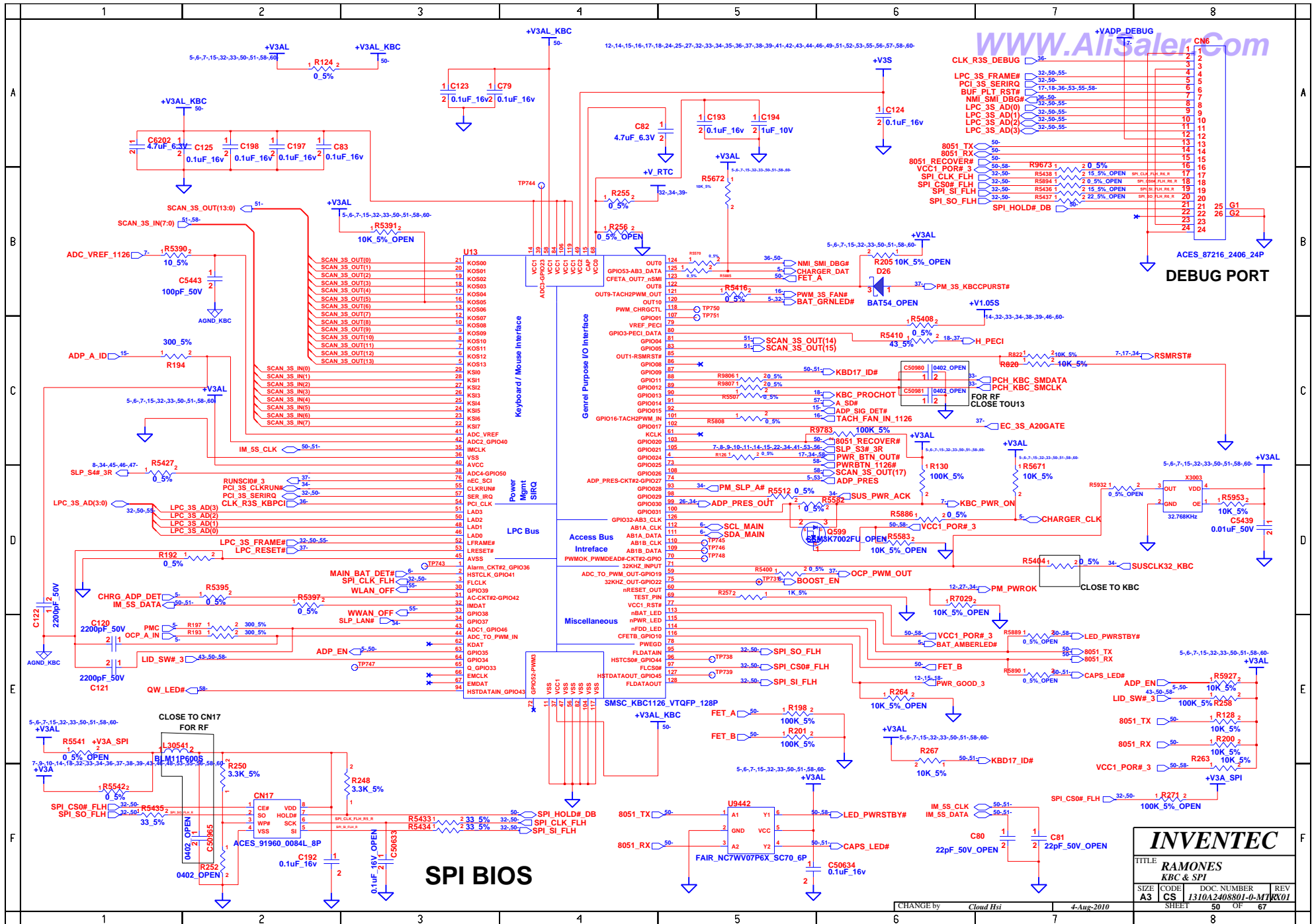
INVENTEC			
TITLE <b>RAMONES</b>			
FINGER PRINTER			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2408801-0-MT	001
CHANGE by		Cloud Hsi	4-Aug-2010
SHEET		48	OF 67



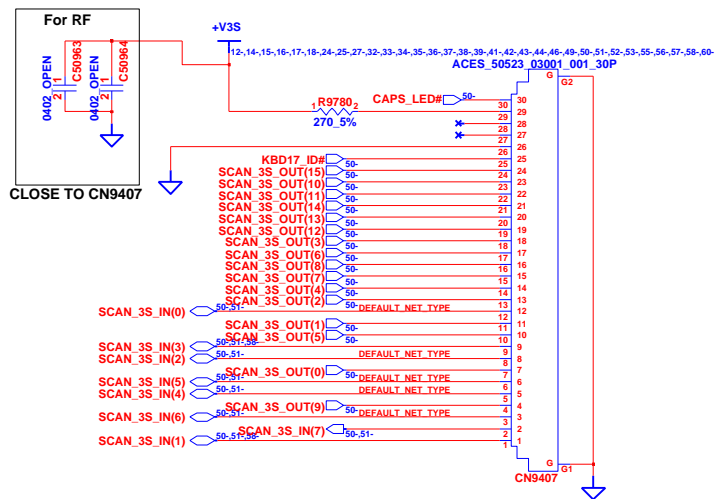


ACCELEMETOR

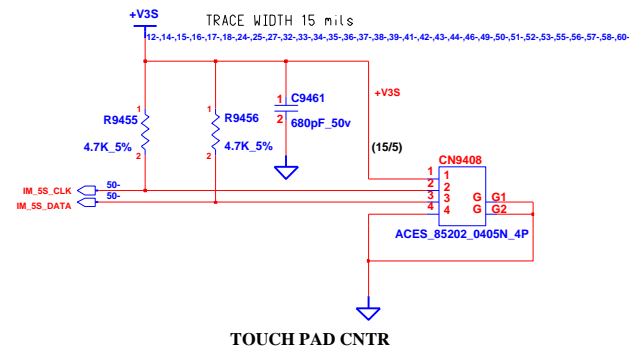
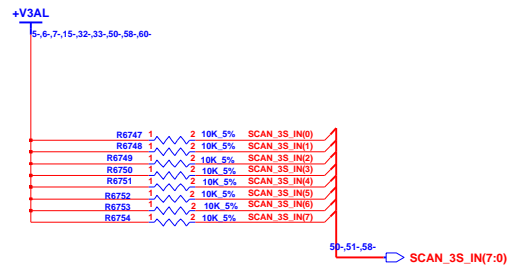
INVENTEC			
TITLE RAMONES ACCEMETOR			
SIZE A3	CODE CS	DOC. NUMBER 1310A2408801-0-MT	REV R001
CHANGE by Cloud Hsi		4-Aug-2010	
SHEET		49 OF 67	



PIN NAME	LEVEL	PANEL SIZE
KBD17_ID#	HIGH	15
	LOW	17



KEYBOARD CONN



**INVENTEC**

TITLE <b>RAMONES KEYBOARD &amp; TOUCH PAD</b>			
SIZE <b>A3</b>	CODE <b>CS</b>	DOC. NUMBER <b>1310A2408801-0-MT</b>	REV <b>001</b>
CHANGE by <i>Cloud Hsi</i>		4-Aug-2010	
SHEET <b>51</b>		OF <b>67</b>	

1 2 3 4 5 6 7 8

A

B

C

D

E

F

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HDA\_3S\_SDOUT\_MDC 32

HDA\_3S\_SYNC\_MDC 32

HDA\_3S\_SDIN1 32

HDA\_3S\_RST#\_MDC 32

R474 0.5% 250

R477 0.5% 250

MDC\_AZ\_3S\_SDIN1

CN26

ACES\_88020\_12101\_12P

REVERSED

3.3VDDUAL

GND

SDO

SDI

SYNC

RST#

BCLK

G

G

G

G

G

G

G

G

20mil

+V3S

12,14,15,16,17,18,24,25,27,32,33,34,35,36,37,38,39,41,42,43,44,46,49,50,51,53,55,56,57,58,60

C975 0.1uF\_16v 2

C986 10uF\_6.3V

R871 0.5% 250

HDA\_3S\_BITCLK\_MDC 32

C997 0402\_OPEN

0402\_OPEN

C50952

FOR RF

CLOSE TO CN26

MDC CONN

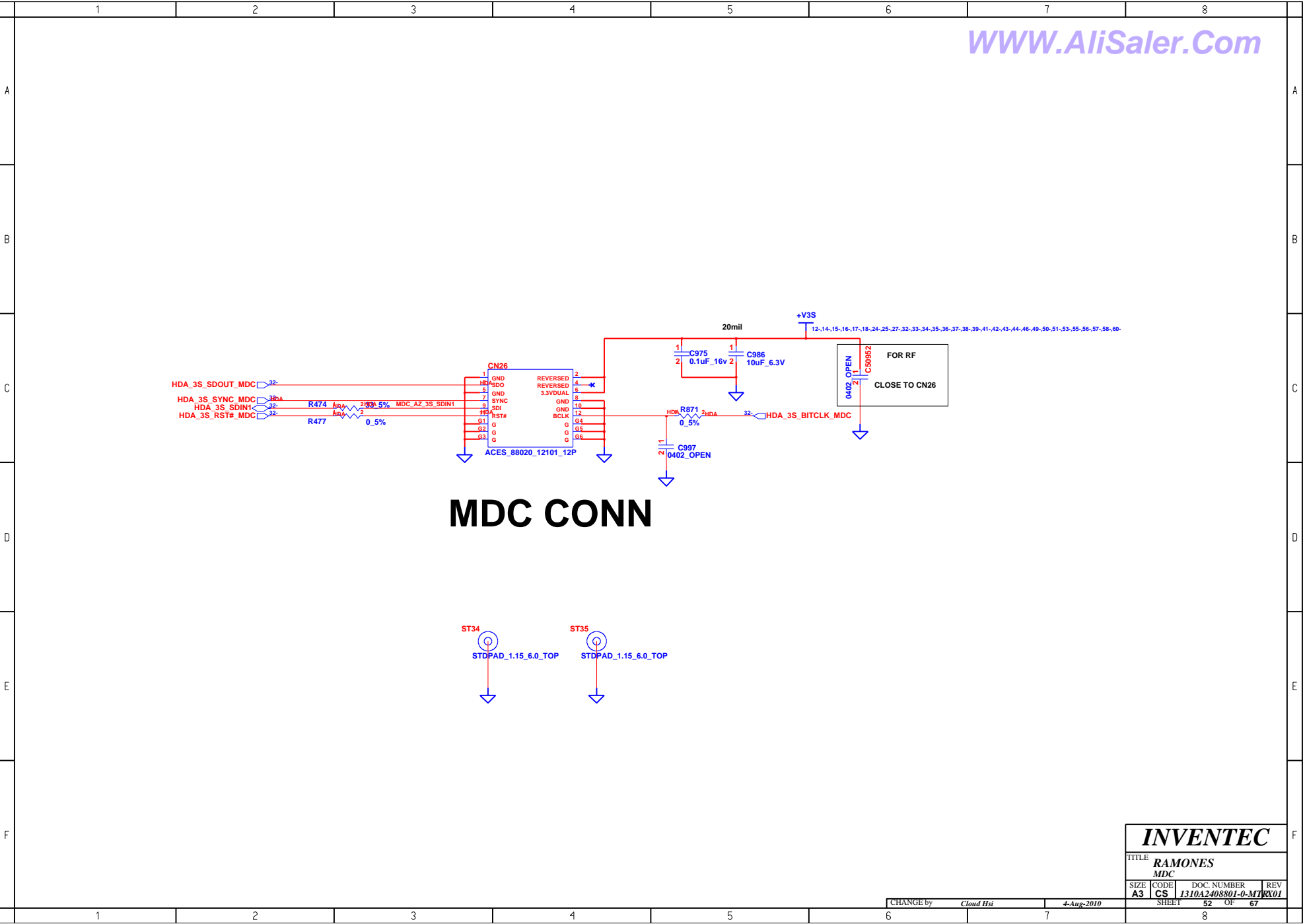
ST34

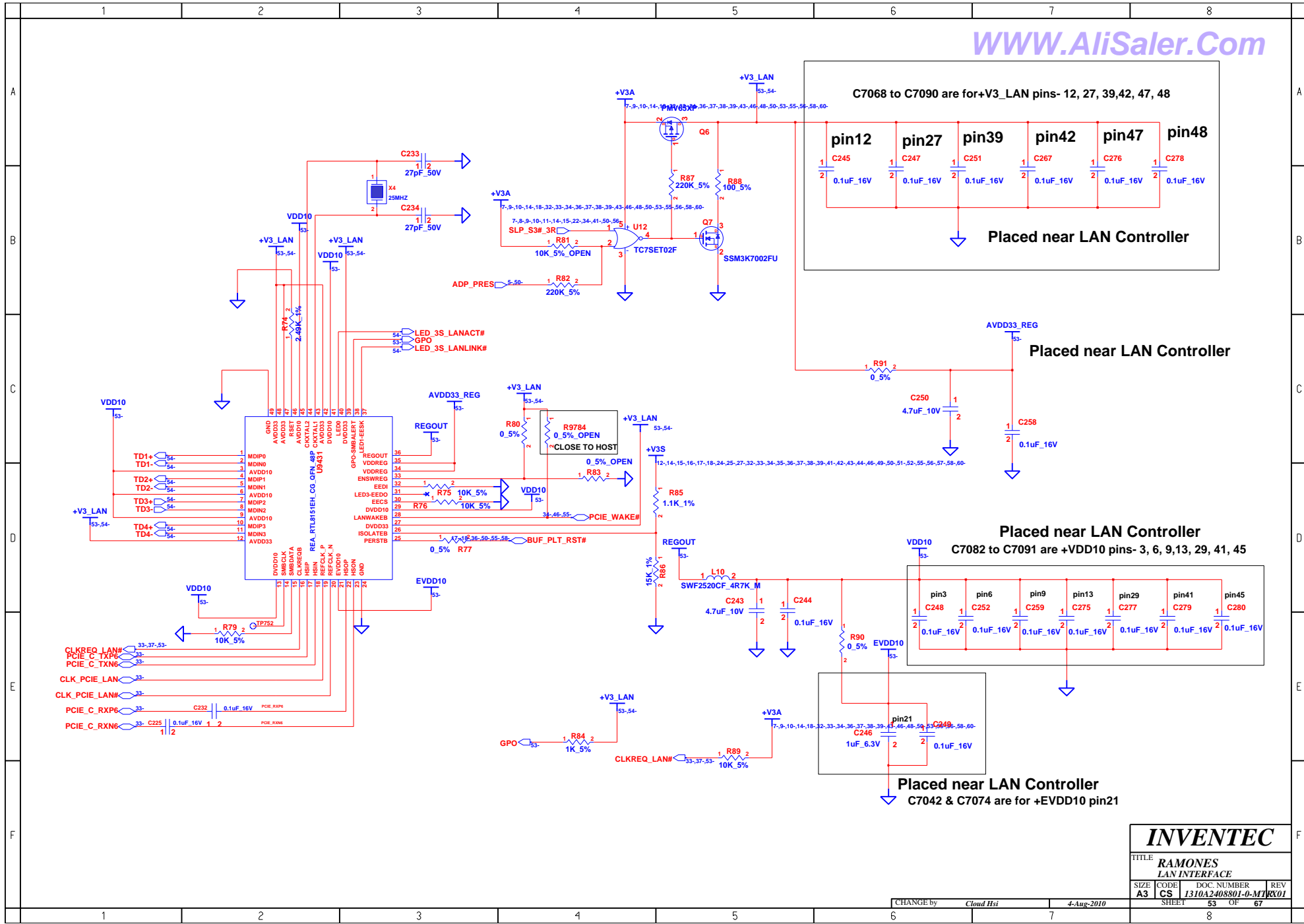
STDPAD\_1.15\_6.0\_TOP

ST35

STDPAD\_1.15\_6.0\_TOP

INVENTEC			
TITLE			
RAMONES			
MDC			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2408801-0-MT	001
CHANGE by		Cloud Hsi	4-Aug-2010
SHEET		52	OF 67

[illegible][illegible]



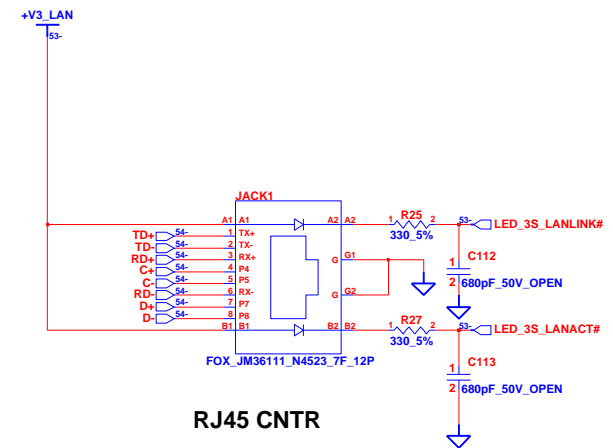
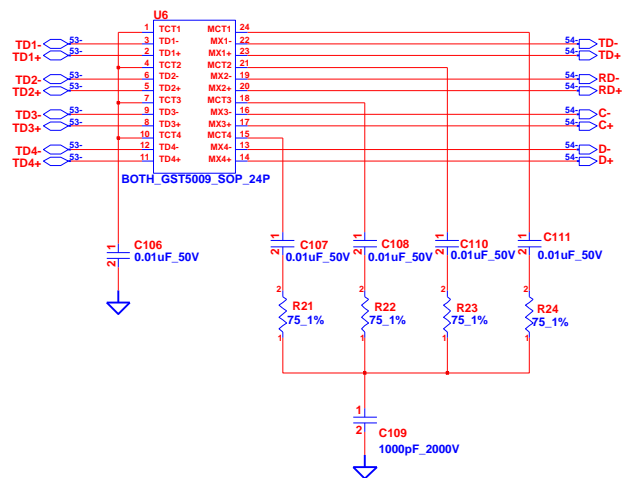
**INVENTEC**

TITLE RAMONES LAN INTERFACE			
SIZE A3	CODE CS	DOC. NUMBER 1310A2408801-0-MT	REV R001
SHEET 53		OF 67	

CHANGE by Cloud Hsi 4-Aug-2010

# LAYOUT NOTE:

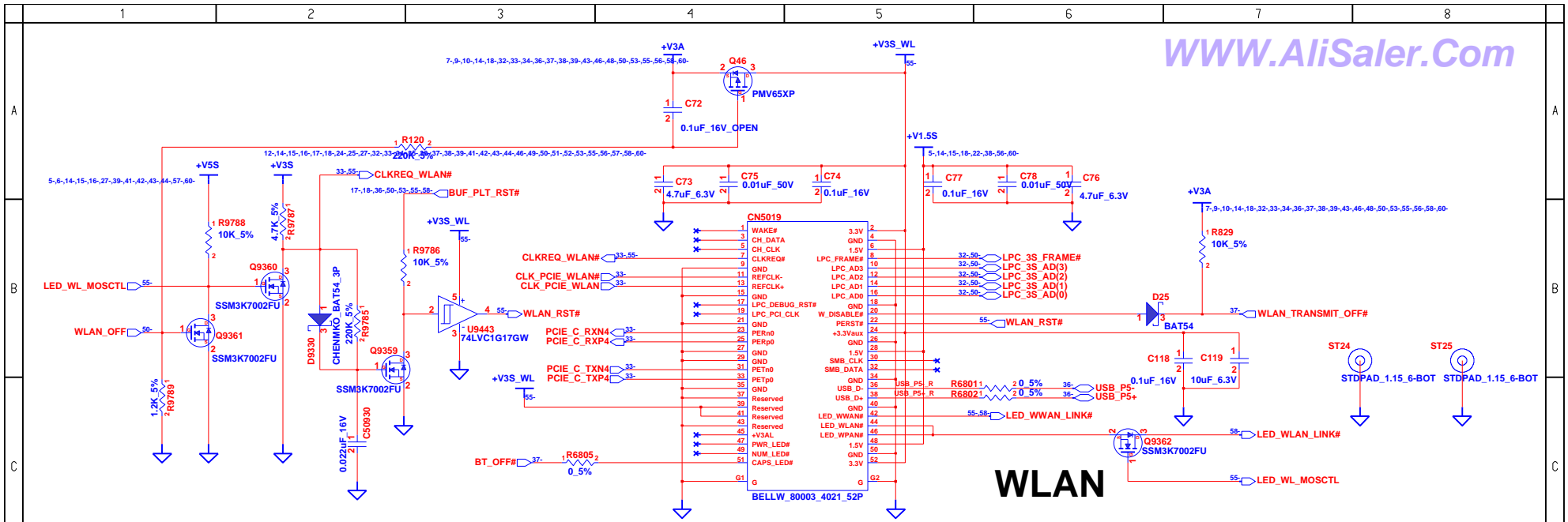
To place one 0.1uF at each pin 1 , 4 , 7 , 10  
and place the 1uF in the spot that  
is as close as possible to all 4 pins



RJ45 CNTR

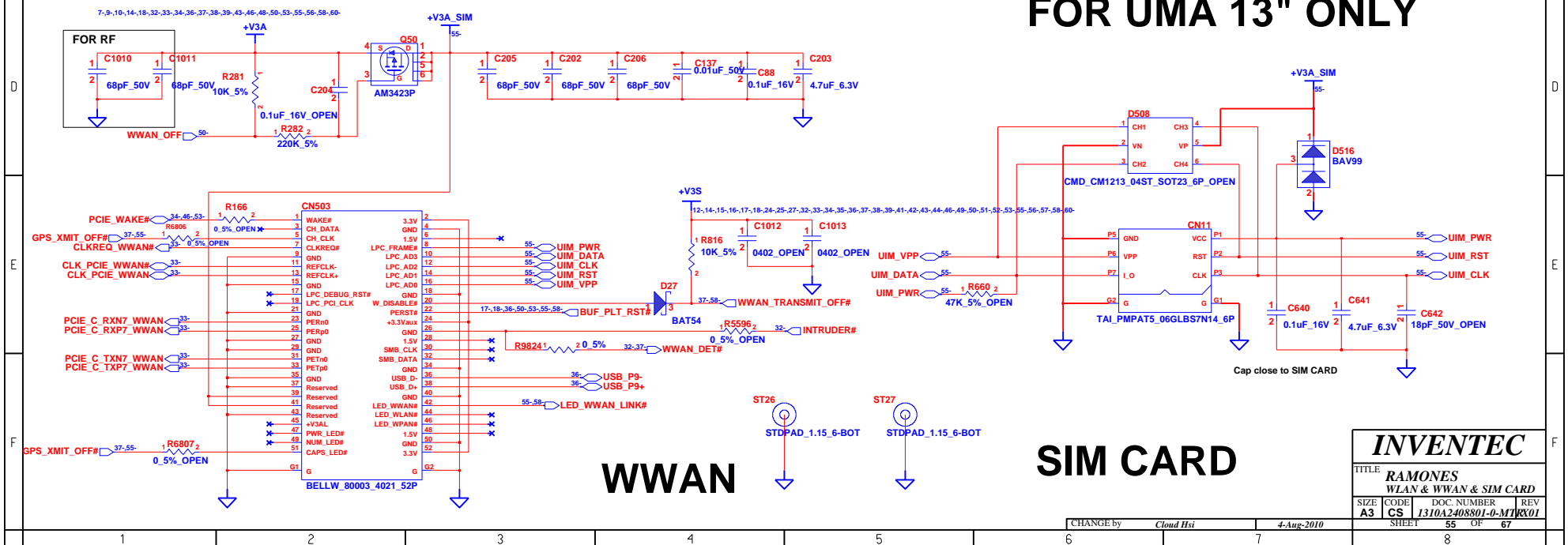
**INVENTEC**

TITLE RAMONES LAN RJ45 CONN			
SIZE A3	CODE CS	DOC. NUMBER 1310A2408801-0-MT	REV R001
CHANGE by Cloud Hsi		4-Aug-2010	
SHEET		54 OF 67	



WLAN

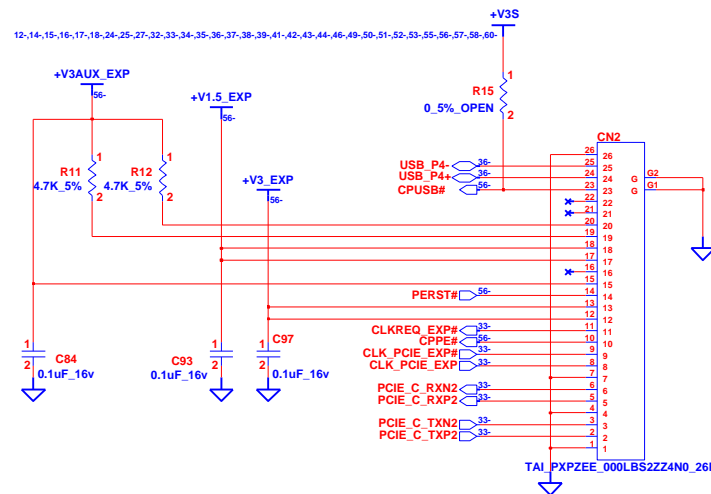
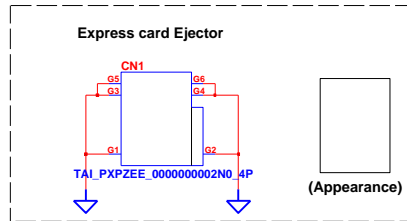
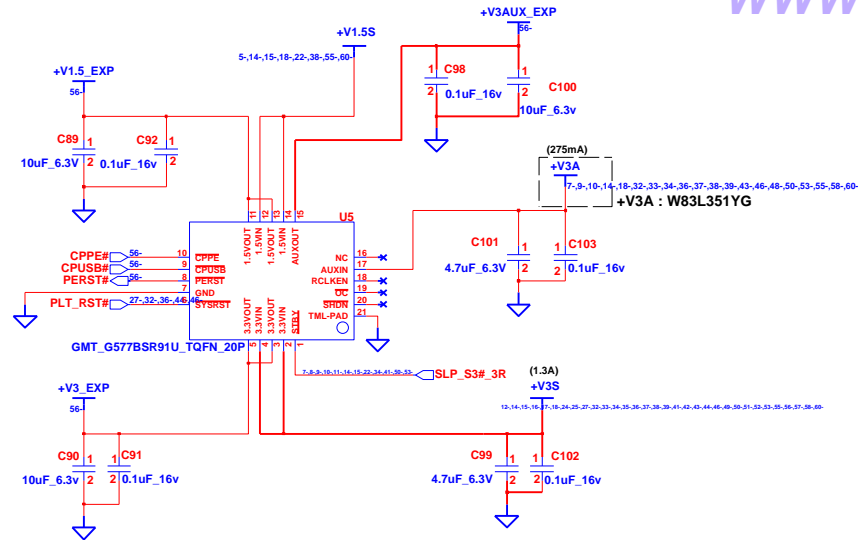
FOR UMA 13" ONLY



WWAN

SIM CARD

INVENTEC			
TITLE: RAMONES WLAN & WWAN & SIM CARD			
SIZE: A3	CODE: CS	DOC NUMBER: 1310A2408801-0-MT	REV: R01
SHEET: 55		OF: 67	

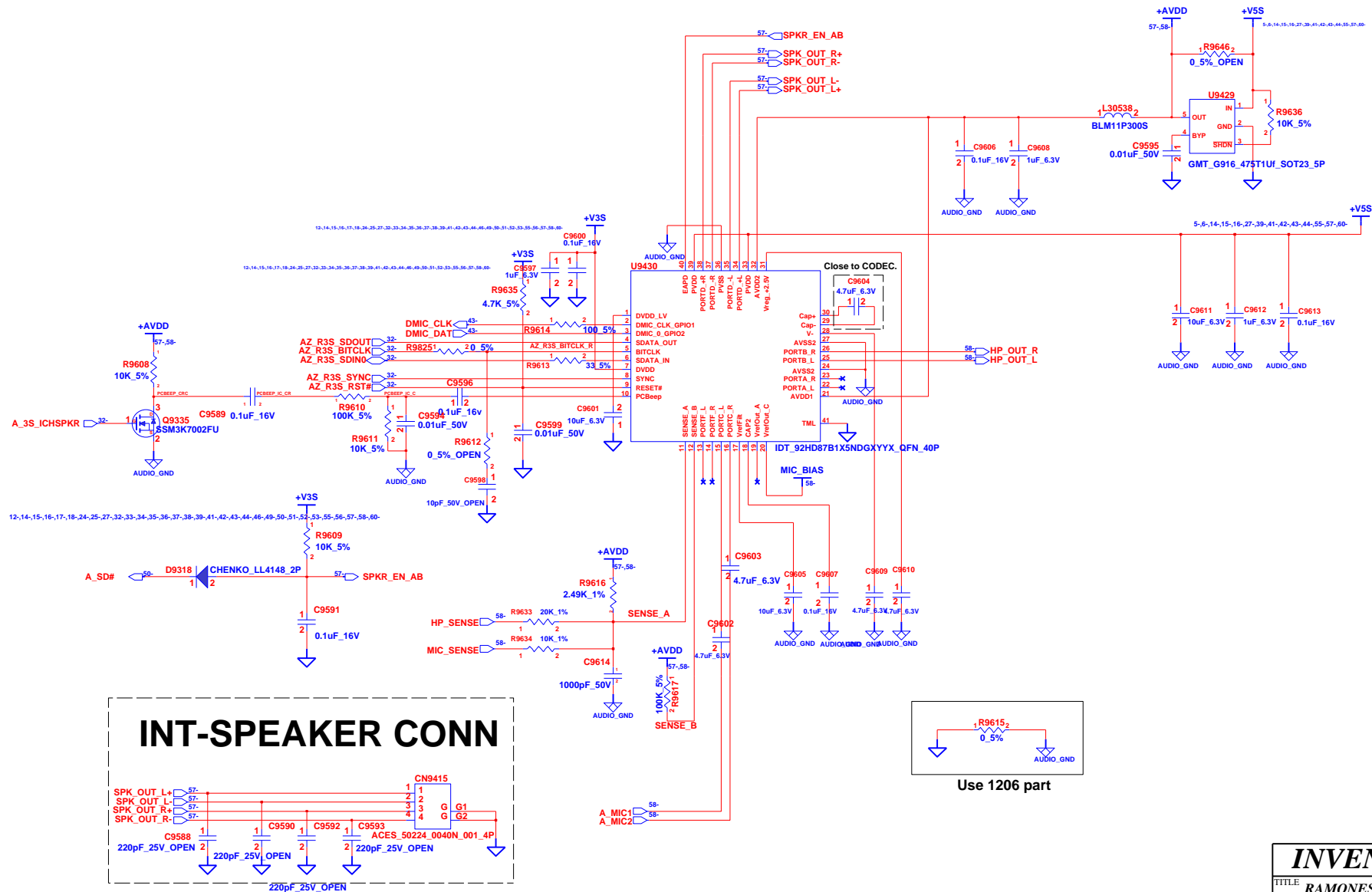


# Express card

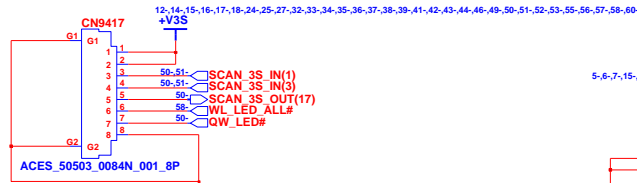
INVENTEC			
TITLE: RAMONES Express Card			
SIZE: A3	CODE: CS	DOC. NUMBER: 1310A2408801-0-MT	REV: R001
SHEET: 56		OF: 67	

CHANGE by: Cloud Hsi 4-Aug-2010

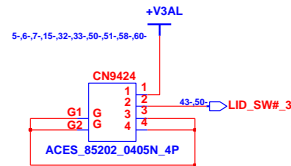




INVENTEC			
TITLE: RAMONES AUDIO CONTROLLER			
SIZE A3	CODE CS	DOC NUMBER 1310A2408801-0-MT	REV R01
SHEET 57		OF 67	

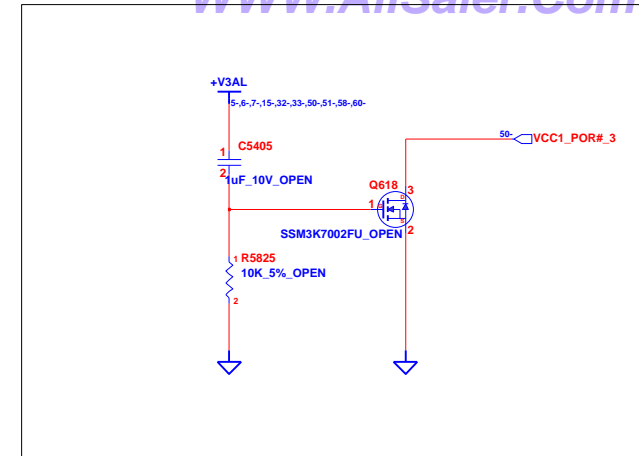


For QUICK LAUNCH BOARD MB CONN

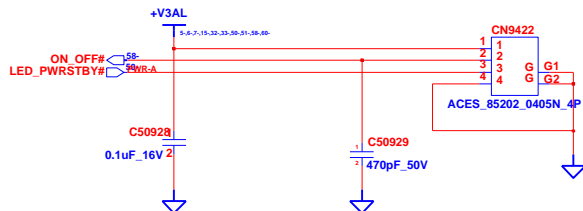


For LID SWITCH BOARD MB CONN

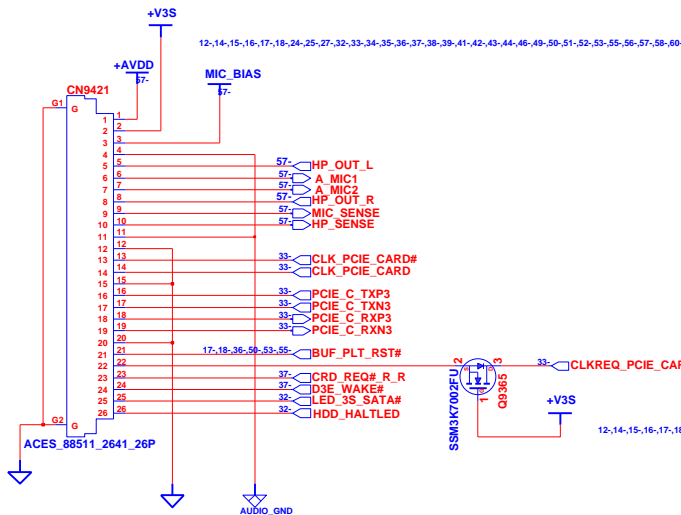
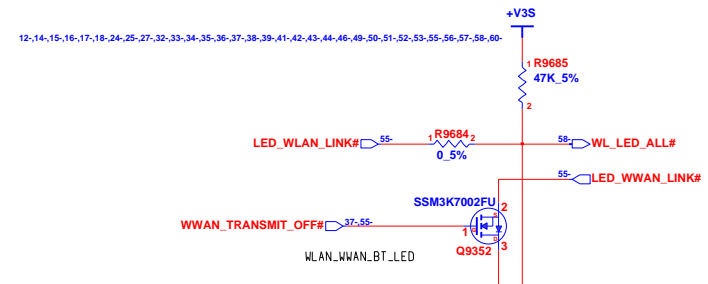
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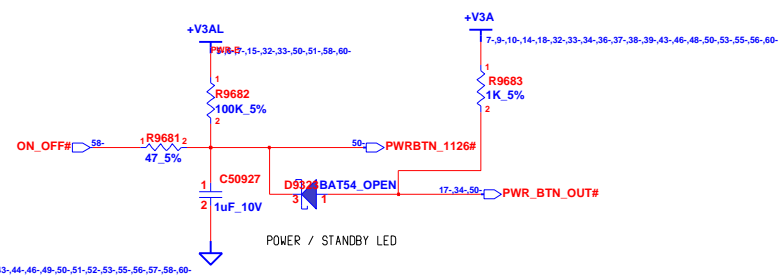
CLOSE TO KBC



For POWER BUTTON BOARD MB CONN



For CardReader&AUDIO Jack BOARD MB CONN



INVENTEC

TITLE  
RAMONES  
Power Button MB Conn

SIZE CODE DOC NUMBER REV  
A3 CS 1310A2408801-0-MT R001

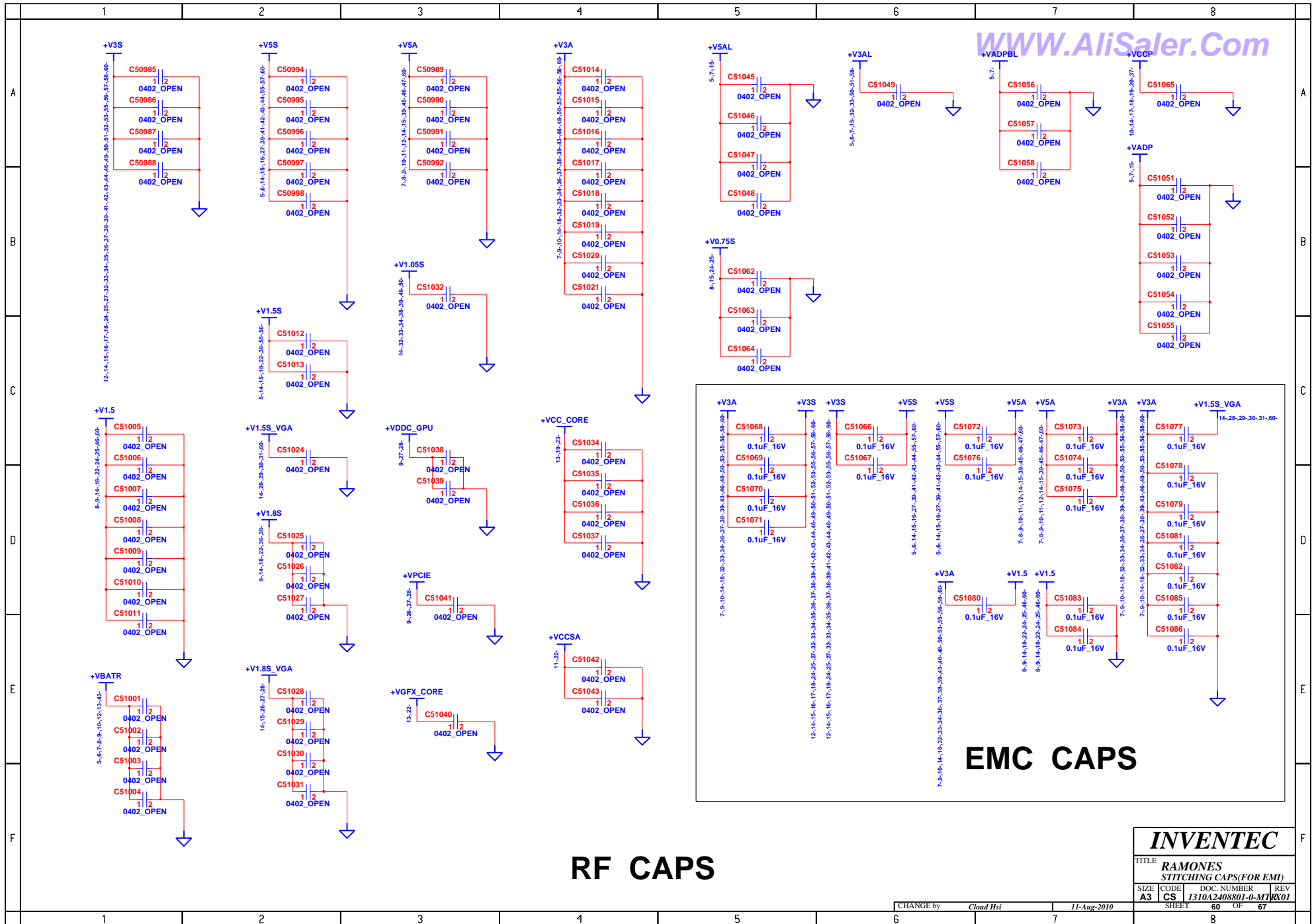
CHANGE by Cloud Hsi 4-Aug-2010

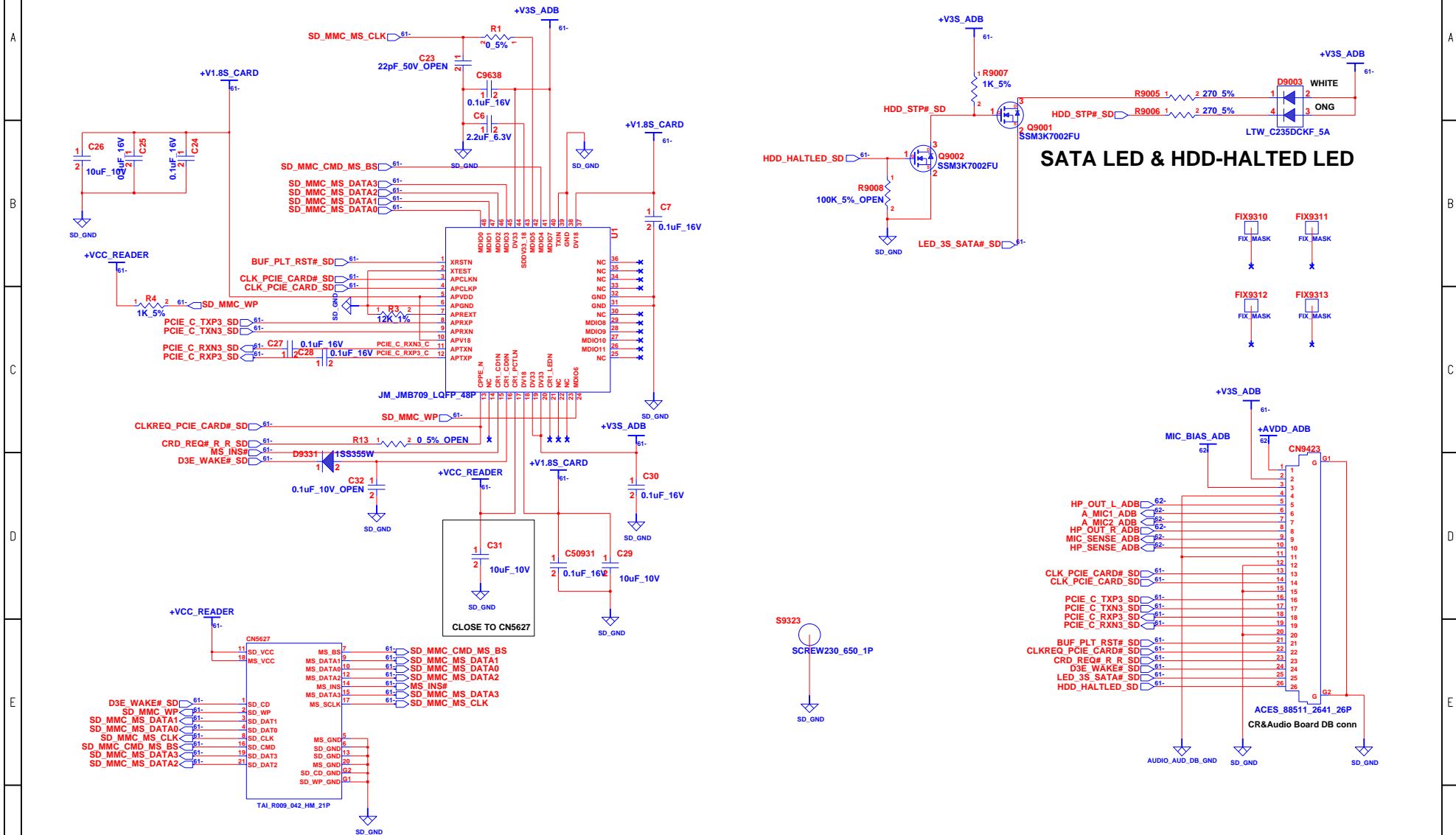
SHEET 58 OF 67

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	1	2	3	4	5	6	7	8	
A	WWW.AliSaler.Com								A
B	<div> <div> ST30 STDPAD_1.15_6-BOT </div> <div> ST31 STDPAD_1.15_6-BOT </div> </div> <div>For PCH</div>		<div> ST36 DIPPAD_1.2_6.0-BOT </div> <div>For FAN</div>		<div> <div>S9310 SCREW280_650_1P</div> <div>S9311 SCREW280_450_520_1P</div> <div>S9312 SCREW280_650_1P</div> <div>S9313 SCREW280_650_1P</div> </div>				B
C	<div> <div>S9304 SCREW330_600_1P</div> <div>S9305 SCREW330_600_1P</div> </div> <div>For CPU</div>		<div> <div>S9308 SCREW330_600_1P</div> <div>S9309 SCREW330_600_1P</div> </div> <div>For GPU</div>		<div> <div>S9314 SCREW280_650_1P</div> <div>S9315 SCREW280_650_1P</div> <div>S9316 SCREW280_650_1P</div> <div>S9317 SCREW280_650_1P</div> </div>				C
D	<div> <div>S9306 SCREW330_600_1P</div> <div>S9307 SCREW330_600_1P</div> </div>				<div> <div>S9319 SCREW280_650_1P</div> <div>S9320 SCREW280_650_1P</div> </div>				D
E					<div> <div>S9321 SCREW280_500_1P</div> <div>S9322 SCREW280_450_520_1P</div> </div>				E
F	<div> <div>FIX105 FIX_MASK</div> <div>FIX106 FIX_MASK</div> <div>FIX107 FIX_MASK</div> <div>FIX108 FIX_MASK</div> <div>FIX109 FIX_MASK</div> <div>FIX110 FIX_MASK</div> <div>FIX111 FIX_MASK</div> <div>FIX112 FIX_MASK</div> </div>				<div> <div>FIX105 FIX_MASK</div> <div>FIX106 FIX_MASK</div> <div>FIX107 FIX_MASK</div> <div>FIX108 FIX_MASK</div> <div>FIX109 FIX_MASK</div> <div>FIX110 FIX_MASK</div> <div>FIX111 FIX_MASK</div> <div>FIX112 FIX_MASK</div> </div>				F
	1	2	3	4	5	6	7	8	

INVENTEC			
TITLE RAMONES SCREW			
SIZE A3	CODE CS	DOC. NUMBER 1310A2408801-0-MT	REV R001
CHANGE by Cloud Hsi		4-Aug-2010	
SHEET 59		OF 67	





# Card Reader & AUDIO BOARD 1/2

INVENTEC

TITLE			
RAMONES			
CardReader&Audio Board 1			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310A2408801-0-MT	001
SHEET		61	OF 67

CHANGE by Cloud Hsi 4-Aug-2010

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PCB\_PN:6050A2410701

**Card READER & AUDIO BOARD 2/2**

TITLE	RAMONES Card Reader & Audio Board 2		
SIZE	A3	CODE	CS
DOC NUMBER	I310A2408801-0-MT		
REV	K01	SHEET	62 OF 67

CHANGE by Cloud Hsi 4-Aug-2010

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PCB\_PN:6050A2410701

**Card READER & AUDIO BOARD 2/2**

TITLE	RAMONES Card Reader & Audio Board 2		
SIZE	A3	CODE	CS
DOC NUMBER	I310A2408801-0-MT		
REV	K01	SHEET	62 OF 67

CHANGE by Cloud Hsi 4-Aug-2010

[illegible]

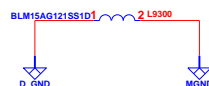
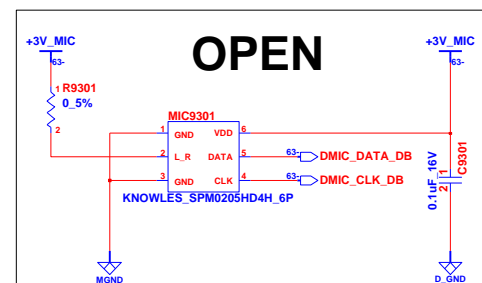
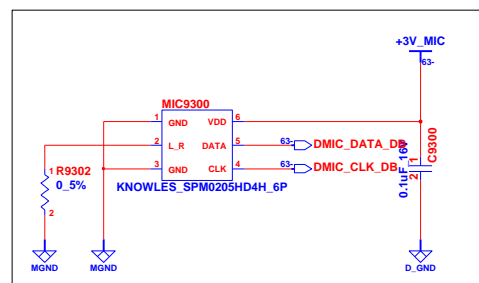
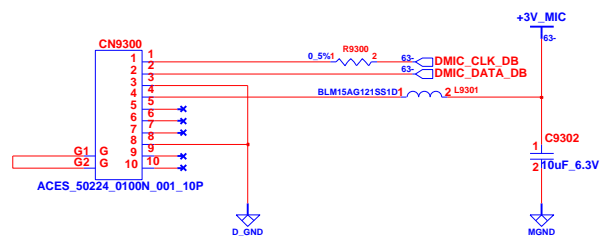
WWW.AliSaler.Com

PCB\_PN:6050A2410701

**Card READER & AUDIO BOARD 2/2**

TITLE	RAMONES Card Reader & Audio Board 2		
SIZE	A3	CODE	CS
DOC NUMBER	I310A2408801-0-MT		
REV	K01	SHEET	62 OF 67

CHANGE by Cloud Hsi 4-Aug-2010

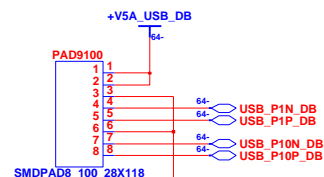


## DIGITAL MIC BOARD (PCBA the same with 13"/14")

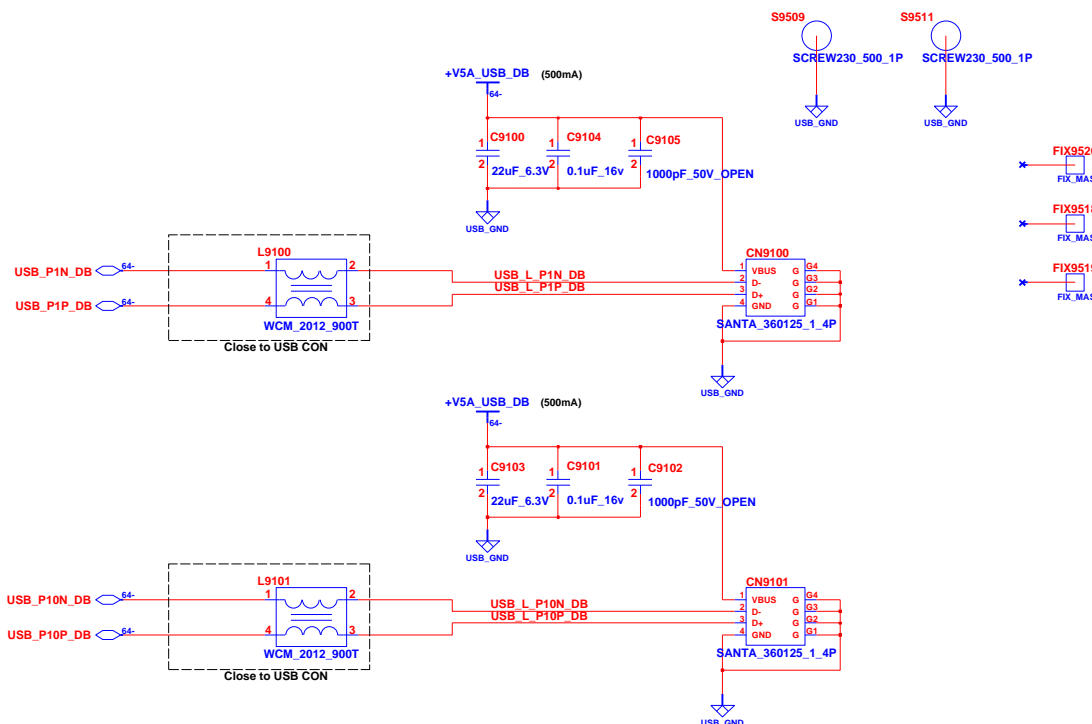
PCB\_PN:6050A2412501

INVENTEC			
TITLE RAMONES DIGITAL MIC DB			
SIZE A3	CODE CS	DOC. NUMBER 1310A2408801-0-MT	REV R001
SHEET		63	OF 67

CHANGE by Cloud Hsi 4-Aug-2010



USB RIGHT SIDE BOARD DB CONN



# USB Right Side Board

(PCBA the same wltH 13"/14")

PCB\_PN:6050A2411401

INVENTEC			
TITLE			
RAMONES			
USB RIGHT SIDE DB BOARD			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2408801-0-MT	001
CHANGE by		Cloud Hsi	27-Aug-2010
SHEET		64	OF 67



# ODD DB BOARD

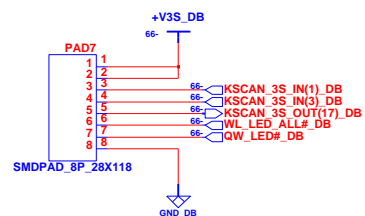
(PCBA the same with 13"/14")

PCB\_PN:6050A2410901

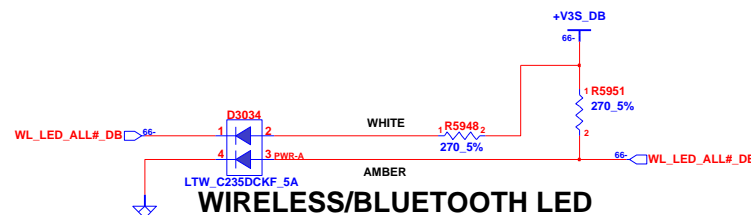
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TITLE <b>RAMONES POWER BUTTON BOARD</b>			
SIZE <b>A3</b>	CODE <b>CS</b>	DOC. NUMBER <b>1310A2408801-0-MTX01</b>	REV <b>1</b>
SHEET <b>65</b>		OF <b>67</b>	

# Quick Launch Board

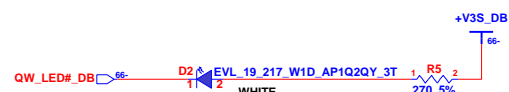
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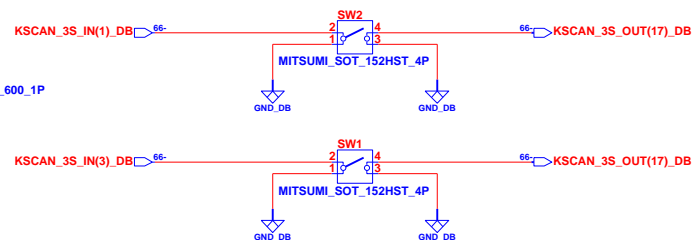
QUICK LAUCH BOARD DB CONN



WIRELESS/BLUETOOTH LED

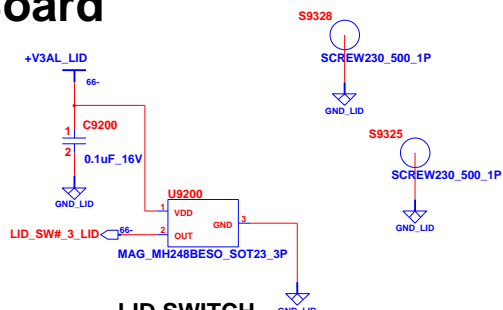
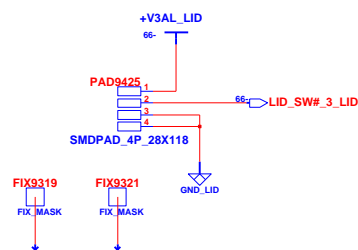


QUICK Lanch LED



# LID SWITCH BOARD Board

PCB\_PN:6050A2414801

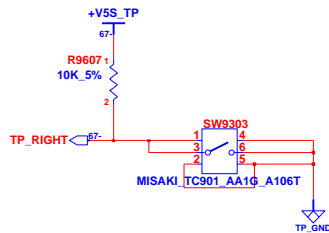
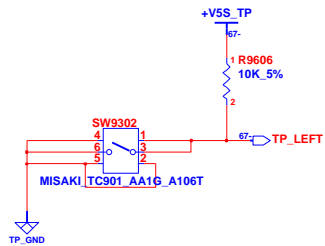
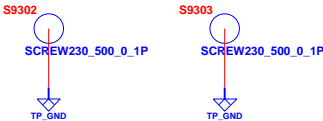
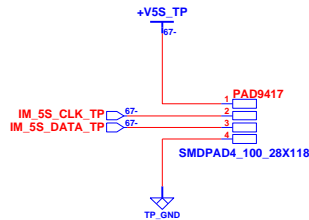
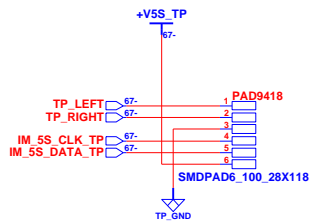


LID SWITCH

Reference Number 9200-9299

INVENTEC			
TITLE: RAMONES QUICK LAUCH&WLAN BOARD			
SIZE: A3	CODE: CS	DOC. NUMBER: 1310A2408801-0-MT	REV: R001
SHEET: 66		OF: 67	

CHANGE by: Cloud Hsi 4-Aug-2010



LEFT BUTTON

RIGHT BUTTON

# PICK Button Board

PCB\_PN:6050A2410601

INVENTEC			
TITLE: RAMONES TOUCH BUTTON BOARD			
SIZE: A3	CODE: CS	DOC. NUMBER: 1310A2408801-0-MT	REV: R001
SHEET: 67		OF: 67	

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