

	1	2	3	4	5	6	7	8																															
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B									B																														
C									C																														
D									D																														
E									E																														
F									F																														
	<table><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></td><td></td><td></td></tr><tr><td>DATE</td><td>CHANGE NO.</td><td>REV</td></tr></table>																													DATE	CHANGE NO.	REV							
DATE	CHANGE NO.	REV																																					
	1	2	3	4	5	6	7	8																															

CLASH DISCRETE

MV BUILD

2010.12.20

DRAWER	EE	DATE	POWER	DATE	INVENTEC				
DESIGN									
CHECK									
RESPONSIBLE									
SIZE = 3					VER :	SIZE	CODE	DOC. NUMBER	REV
FILE NAME : XXXX XXXXXX-XX						A3	CS	Model No	A02
P/N XXXXXXXXXXXX						SHEET 1 OF 69			

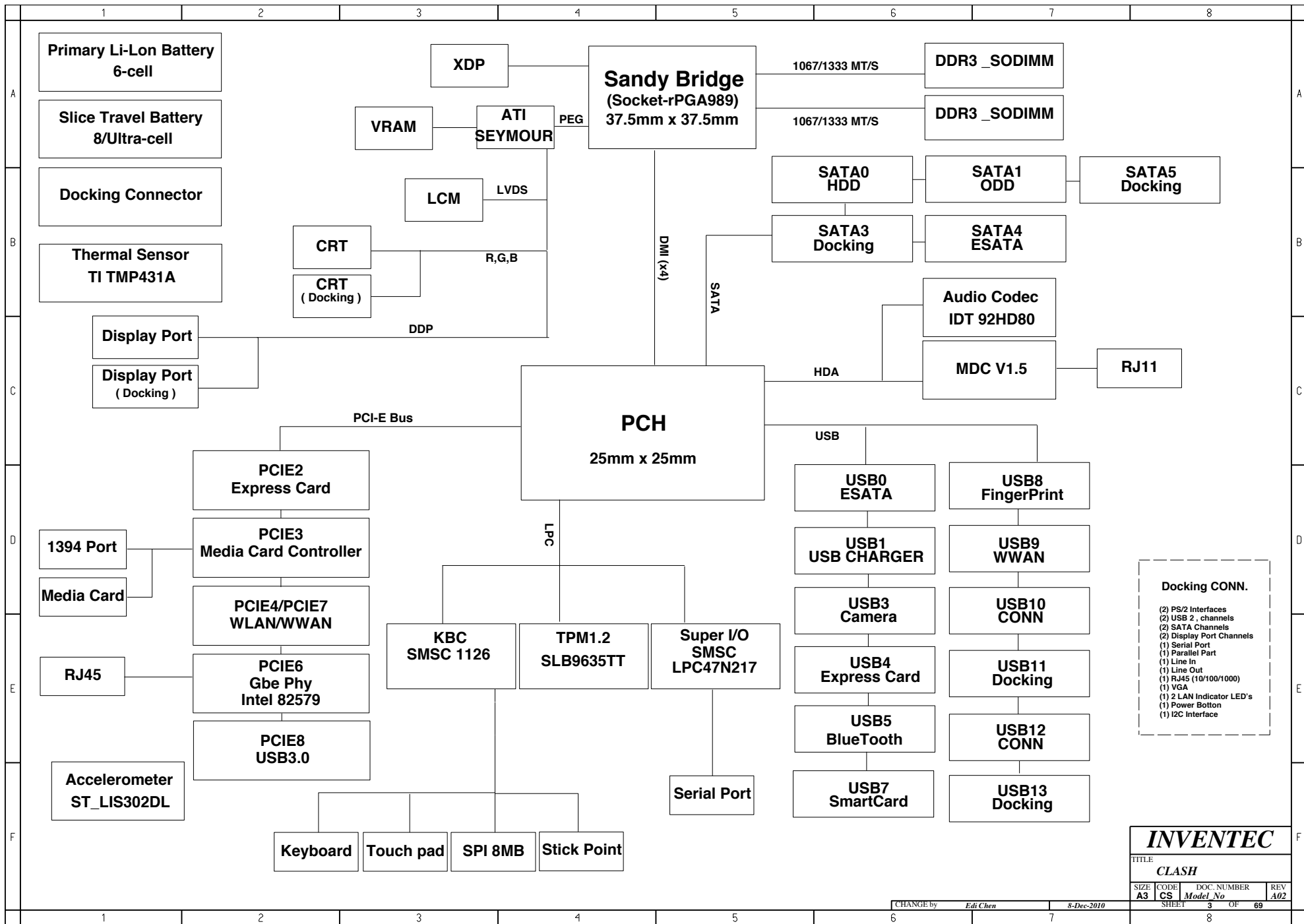
TABLE OF CONTENTS

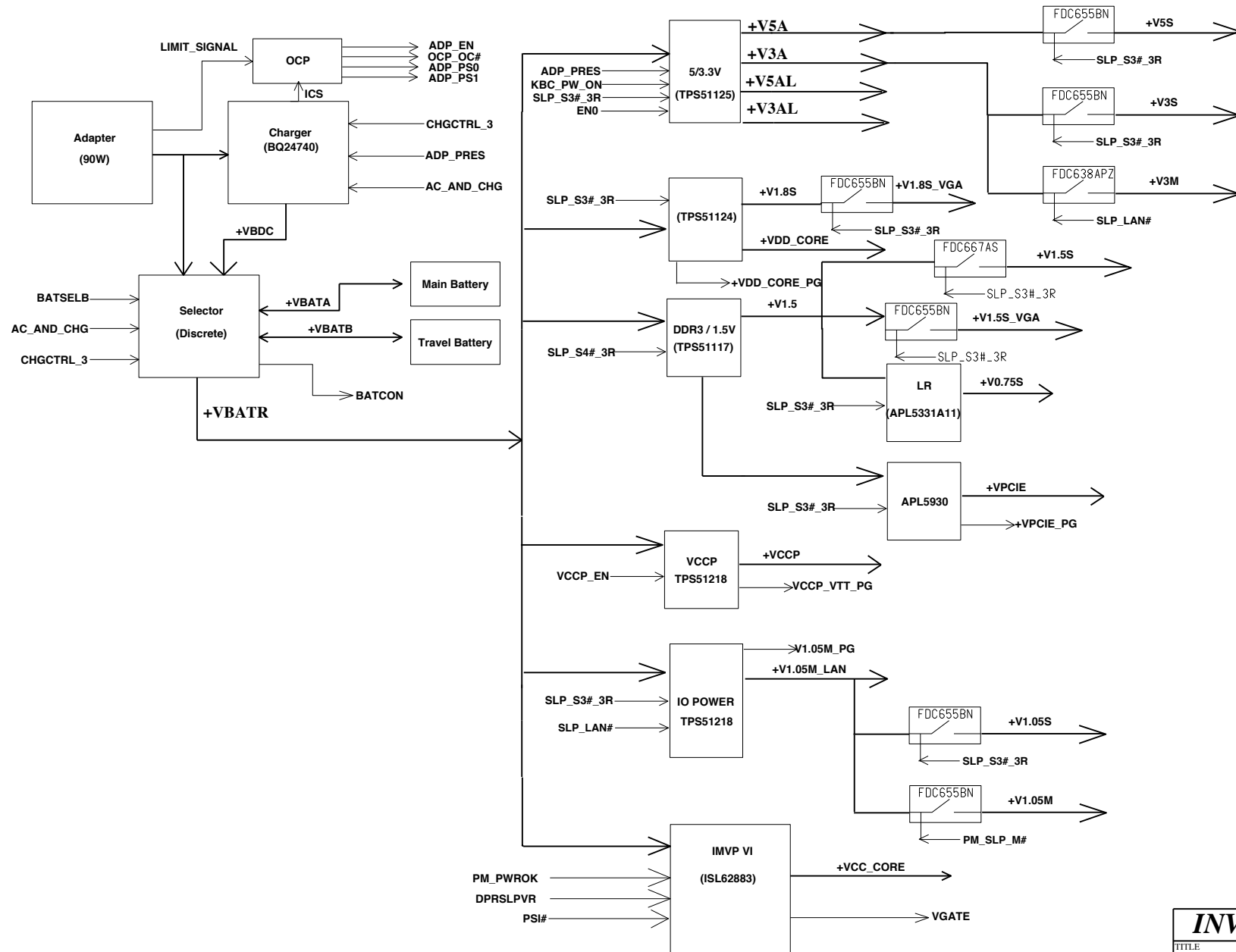
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6- SELECT & BATTERY CONN	33- PCH2	62- EXPRESS CARD
7- SYSTEM POWER(+V3A/+V5A)	34- PCH3	63- EXPRESS CARD
8- SYSTEM POWER(+V1.5/+V0.75/M_REF)	35- PCH4	64- AUDIO
9- G_POWER(+VDD_CORE/+V1.8S/TURBO)	36- PCH5	65- EXT MIC/MIC/HP
10- SYSTEM POWER(+VCCP/+V1.05M_LAN)	37- PCH6	66- 1394 & SD CONN
11- CPU POWER(+V0.85S/+V1.05_USB30)	38- PCH7-POWER	67- CARD READER CTRL
12- CPU POWER(+VCC_CORE)	39- PCH8-POWER	68- LID SWITCH
13- CPU POWER(+VCC_CORE)	40- PCH9	69- STITCHING CAP
14- POWER(SLEEP)	41- VGA SWITCH	
15- POWER(SEQUENCE)	42- CRT / DISPLAY PORT CNTR	
16- FAN & THERMAL	43- LCM & WEBCAM	
17- XDP CONN	44- SATA HDD & ODD CNTR	
18- SANDY BRIDGE1	45- USB CHARGER & ESATA COMBO	
19- SANDY BRIDGE2	46- USB3.0 CTRL	
20- SANDY BRIDGE4	47- USB CONN	
21- SANDY BRIDGE3	48- BLUE TOOTH & FINGER PRINTER CNTR	
22- SANDY BRIDGE5	49- ACCELEMETOR	
23- SANDY BRIDGE6	50- KBC & SPI	
24- DDR3-DIMM0	51- KB & POINT STICK & TOUCH PAD	
25- DDR3-DIMM1	52- SUPER I/O	
26- ATI-SEYMOUR-1	53- TPM & MDC	
27- ATI-SEYMOUR-2	54- LAN INTERFACE	
28- ATI-SEYMOUR-3	55- LAN RJ45 CNTR	
29- ATI-SEYMOUR-4	56- WWAN & WLAN & SIM	
30- VRAM1	57- DOCKING CNTR	
31- VRAM2	58- POWER & WLAN_LED	
	59- SCREW	
	60- WIRELESS / QUICK WEB / MUTE LED	

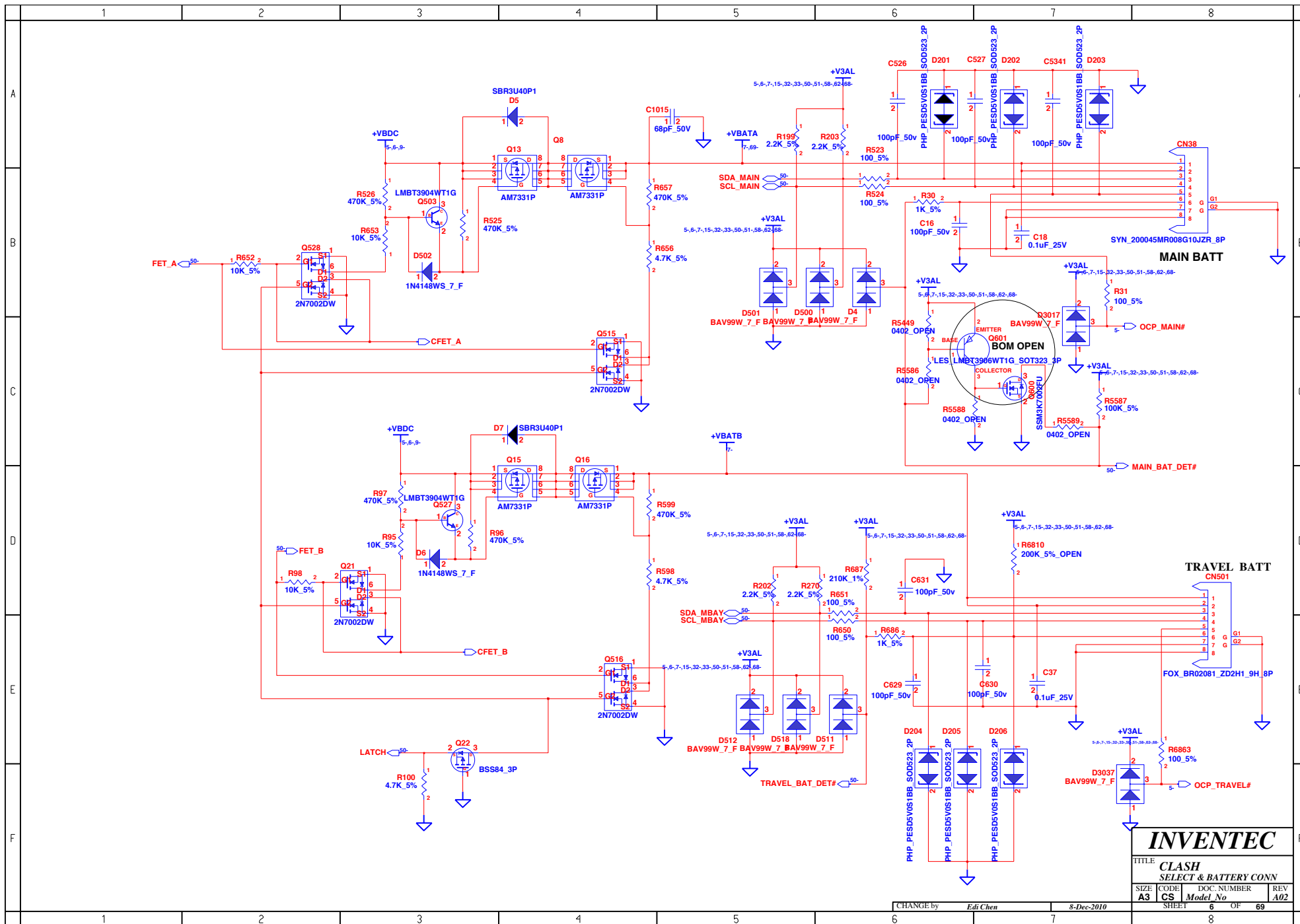
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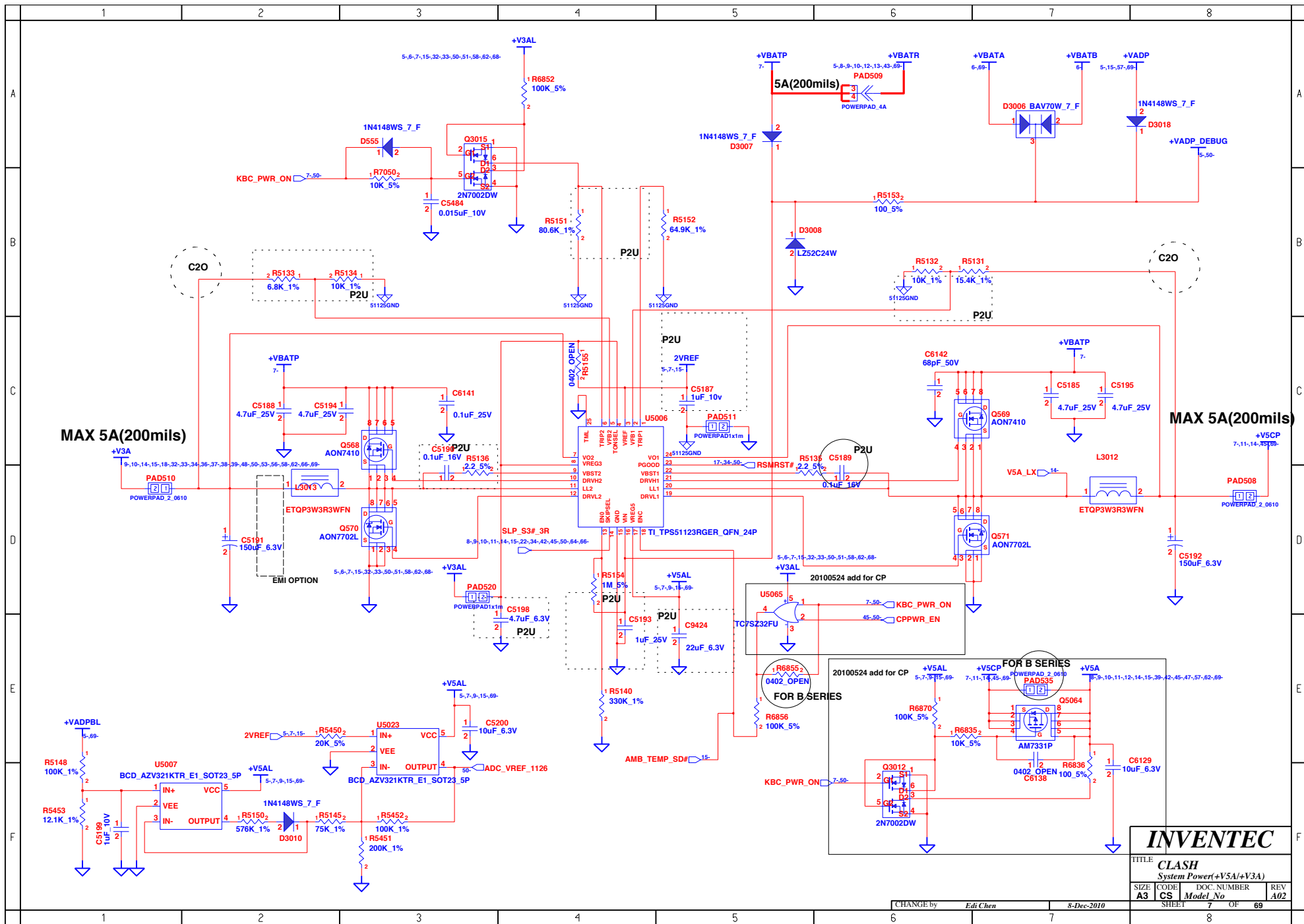
TITLE			
CLASH			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	A02
SHEET		2	OF 69

CHANGE by *Edi Chen* 8-Dec-2010





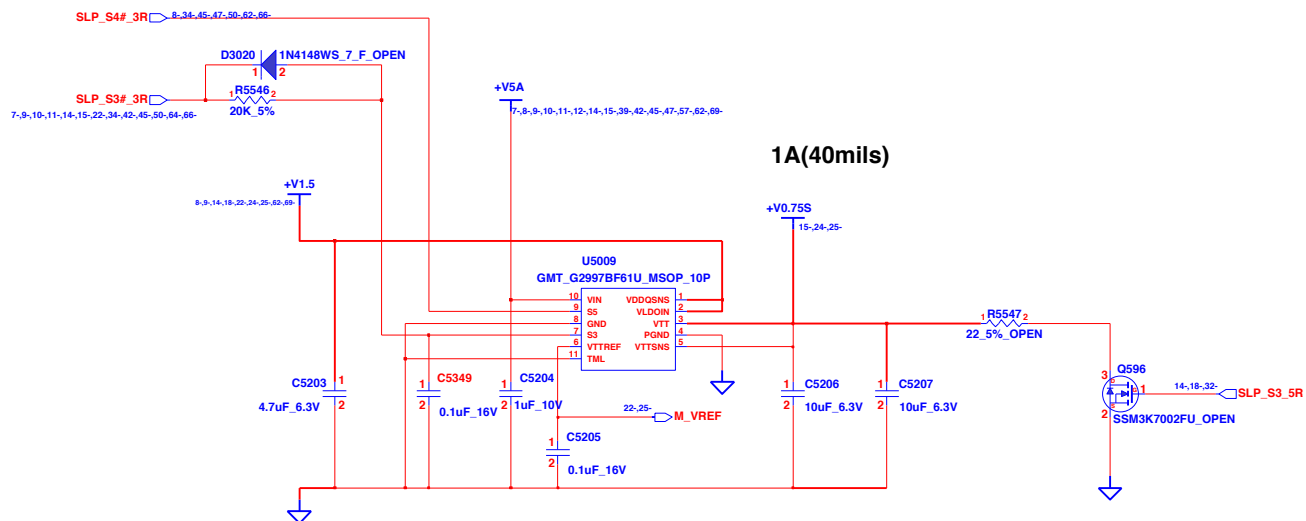
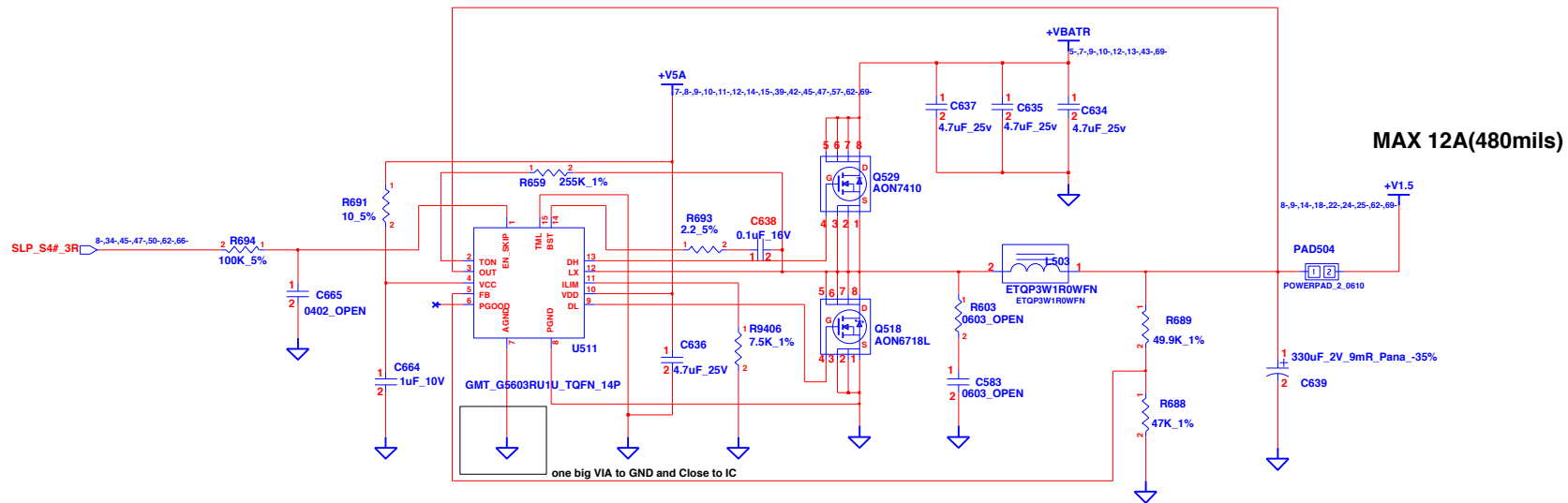




INVENTEC

TITLE CLASH System Power(+V5A/+V3A)			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV A02
SHEET 7		OF 69	

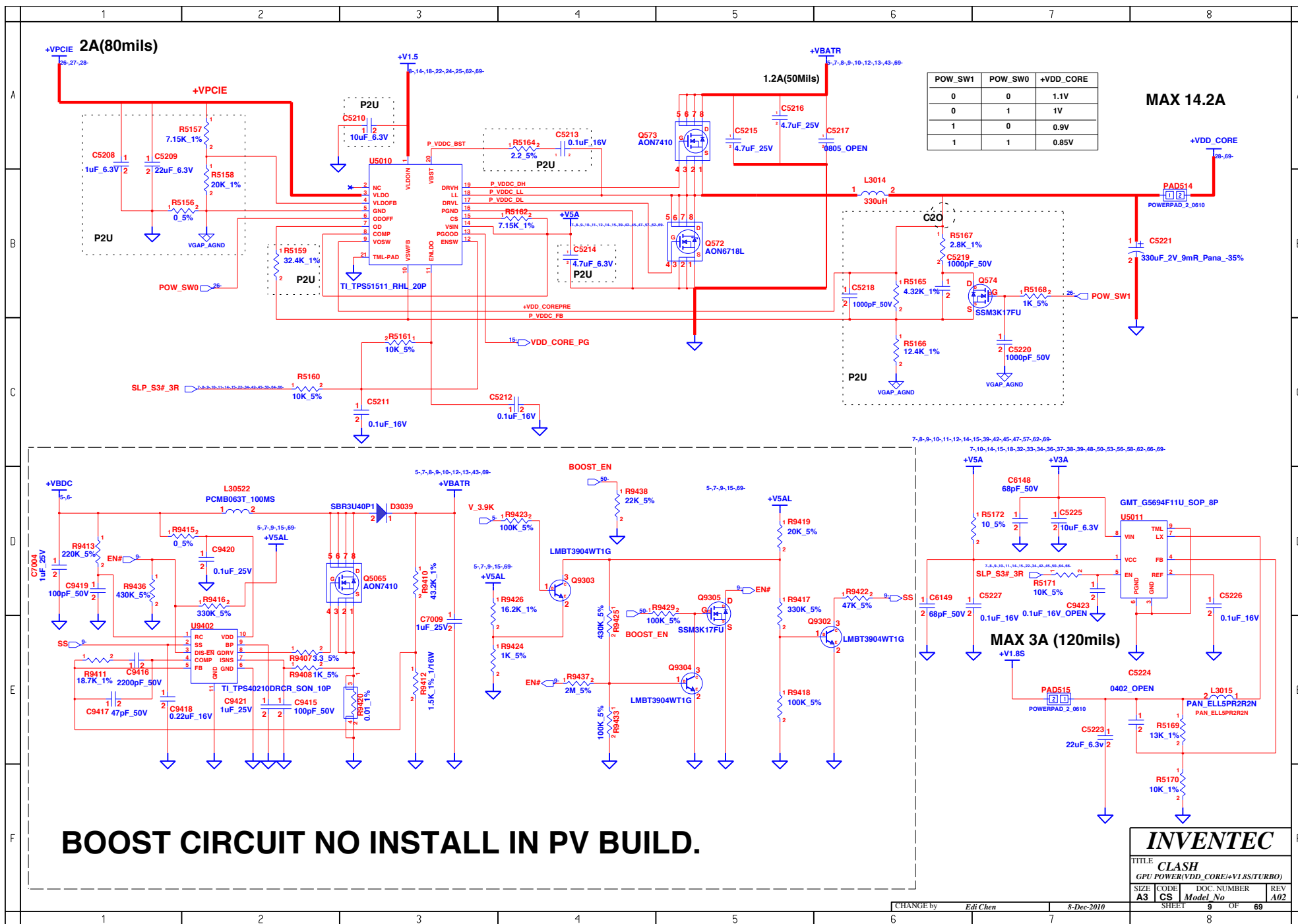
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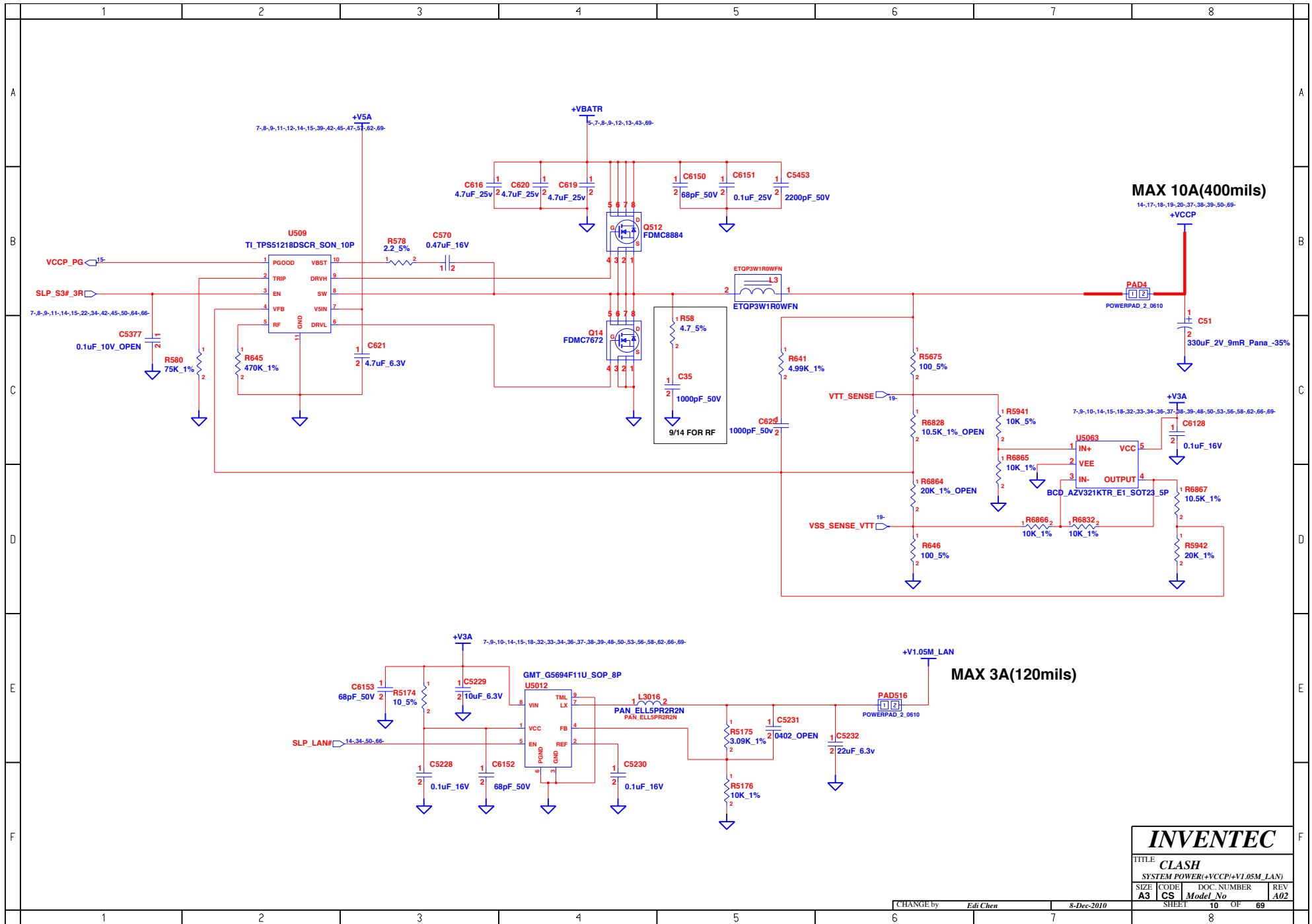


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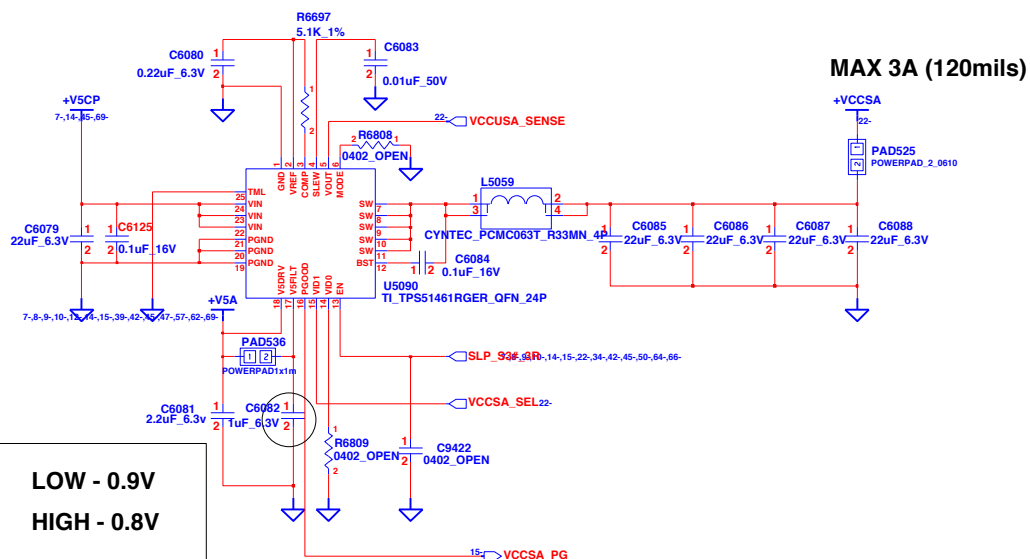
TITLE CLASH			
SYSTEM POWER(+V1.5/MREF)			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV A02
SHEET 8		OF 69	

CHANGE by **Edi Chen** **8-Dec-2010**

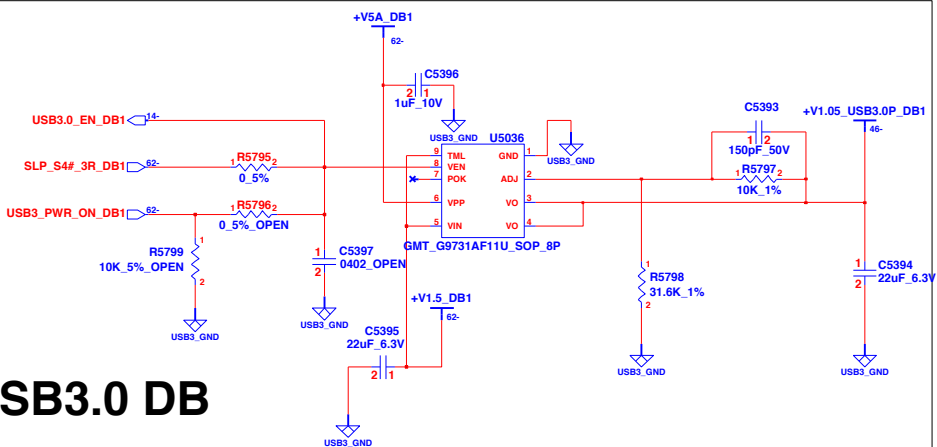




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USB3.0 DB

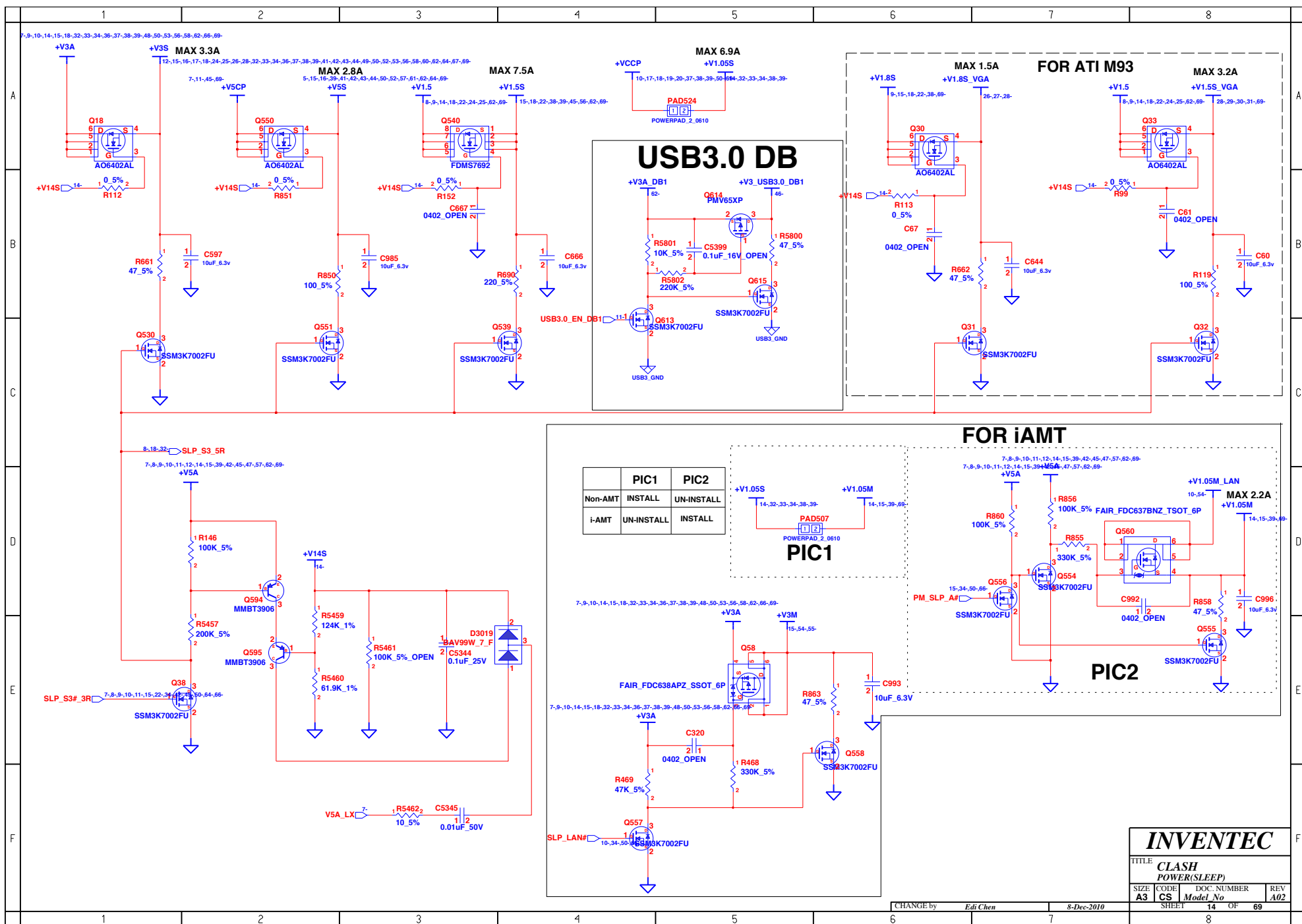


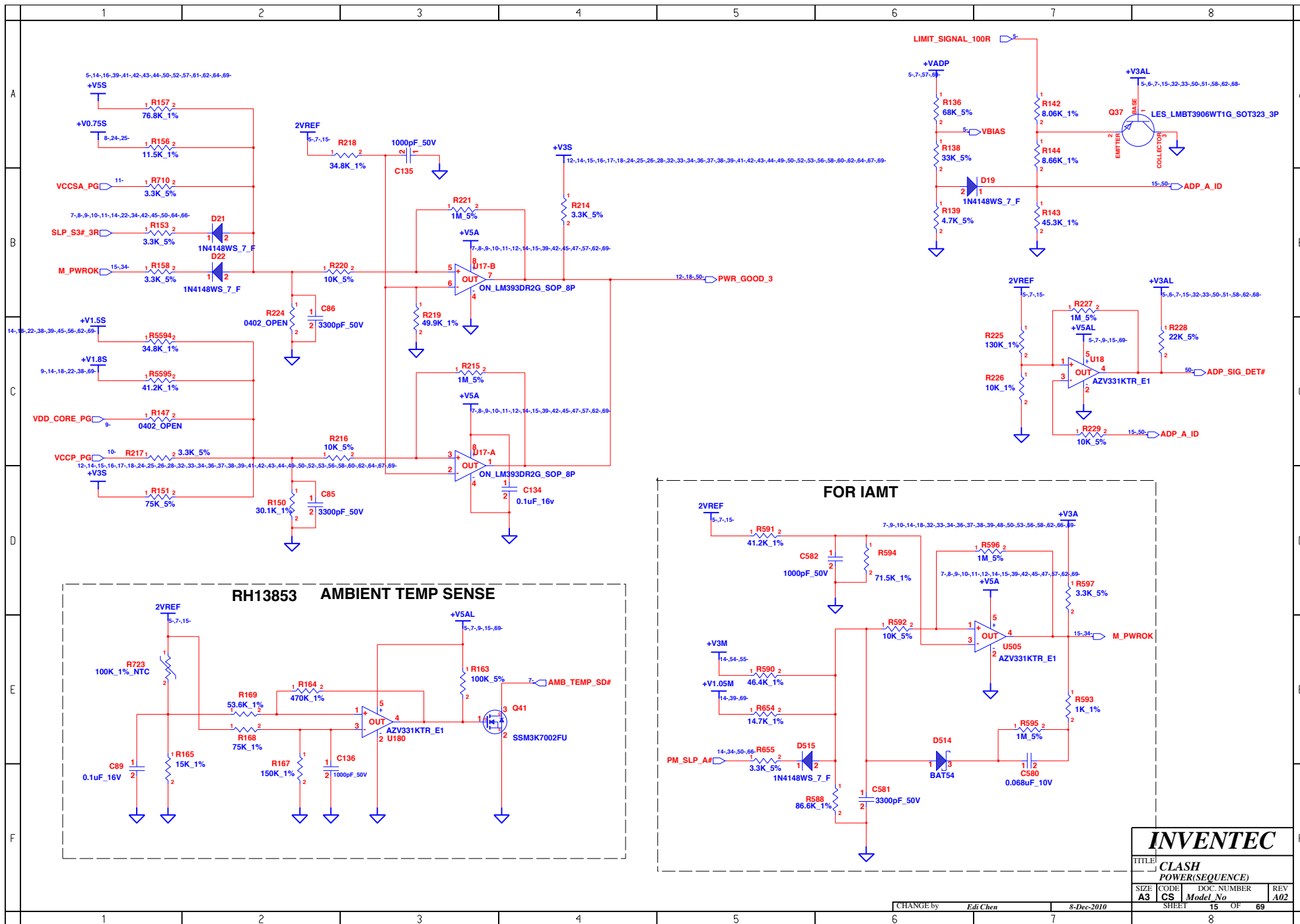
INVENTEC

TITLE			
CLASH			
CPU POWER(VCC_SA/V1.05_USB30)			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	A02

CHANGE by: *Edi Chen* 8-Dec-2010

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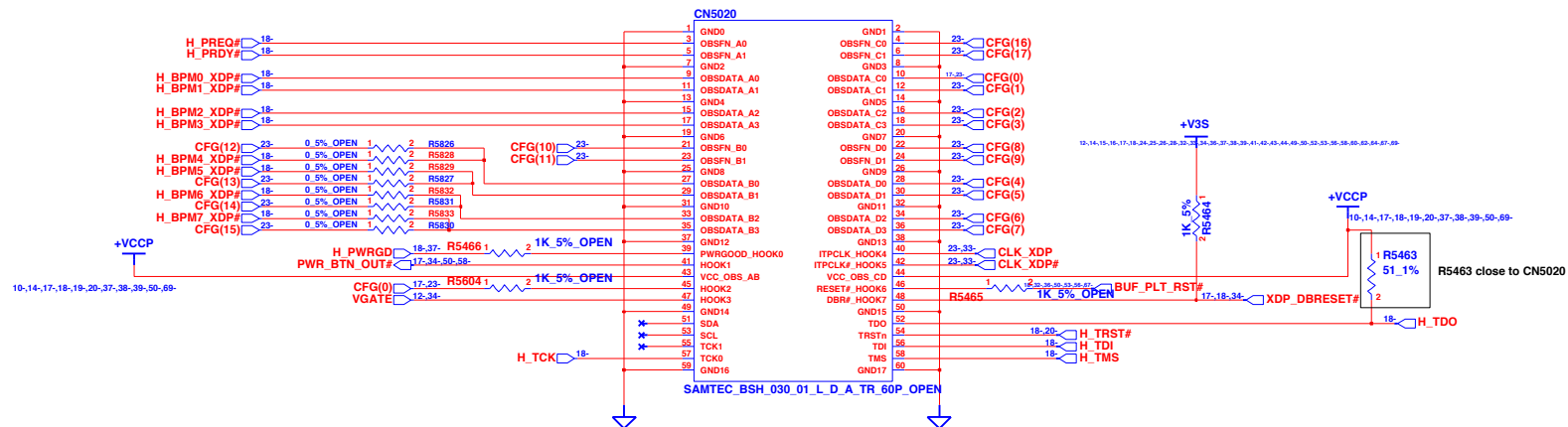




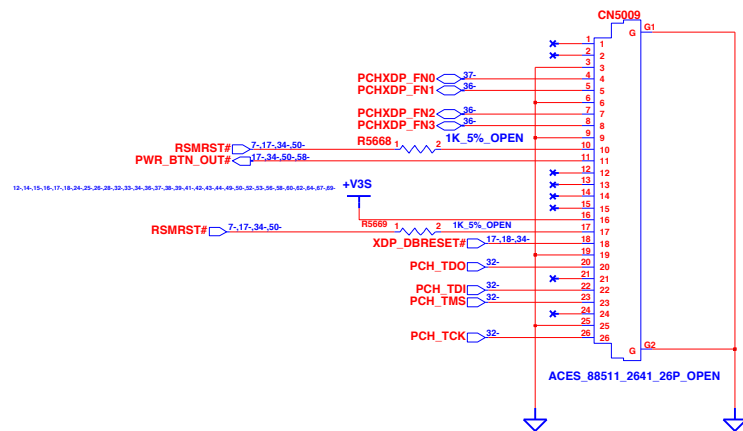
SIZE A3	CODE CS	DOC. NUMBER <i>Model No</i>	REV A02
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CHANGE by	<i>Edi Chen</i>	<i>8-Dec-2010</i>
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CS	Model No
SHEET	16 OF 69

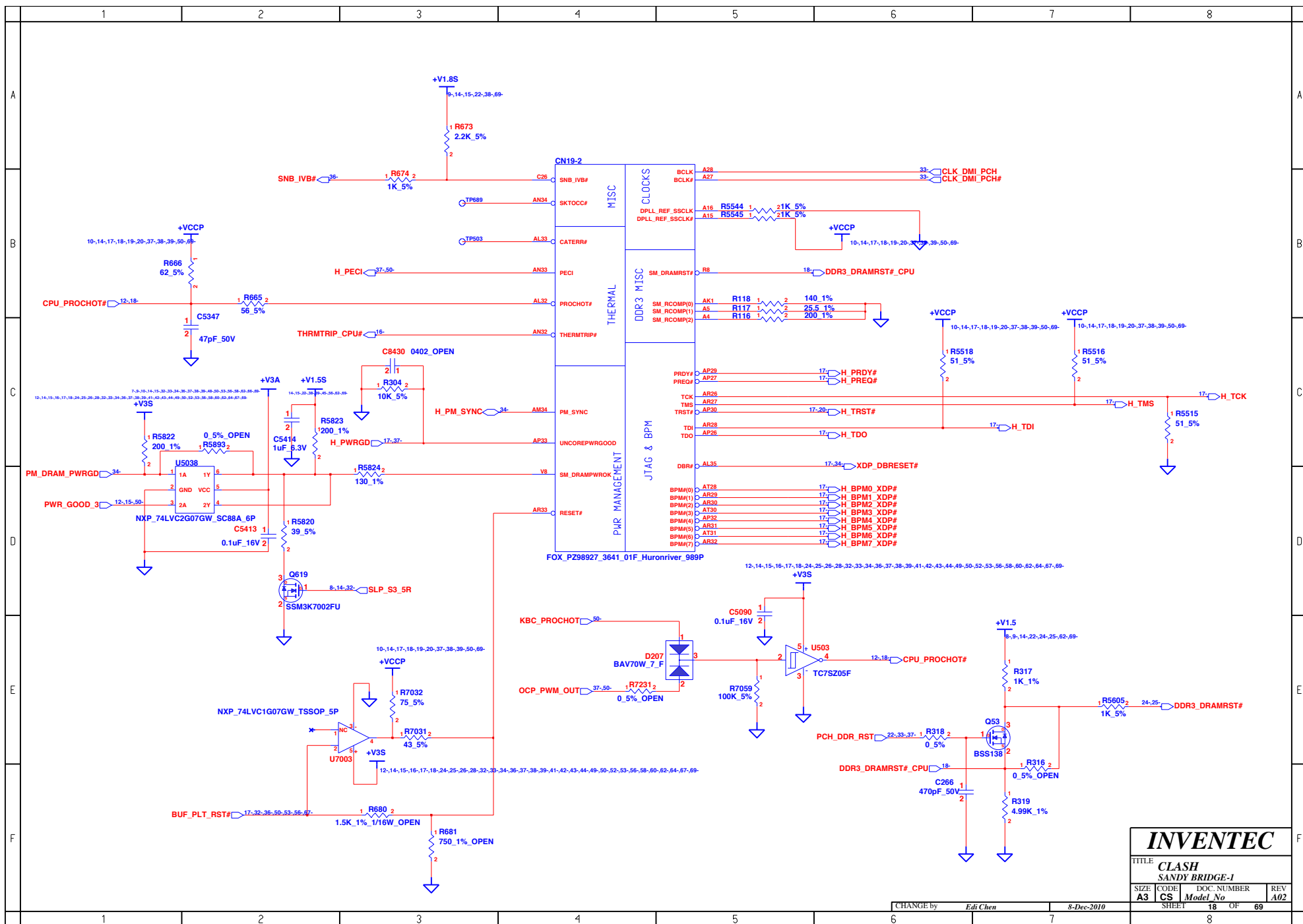


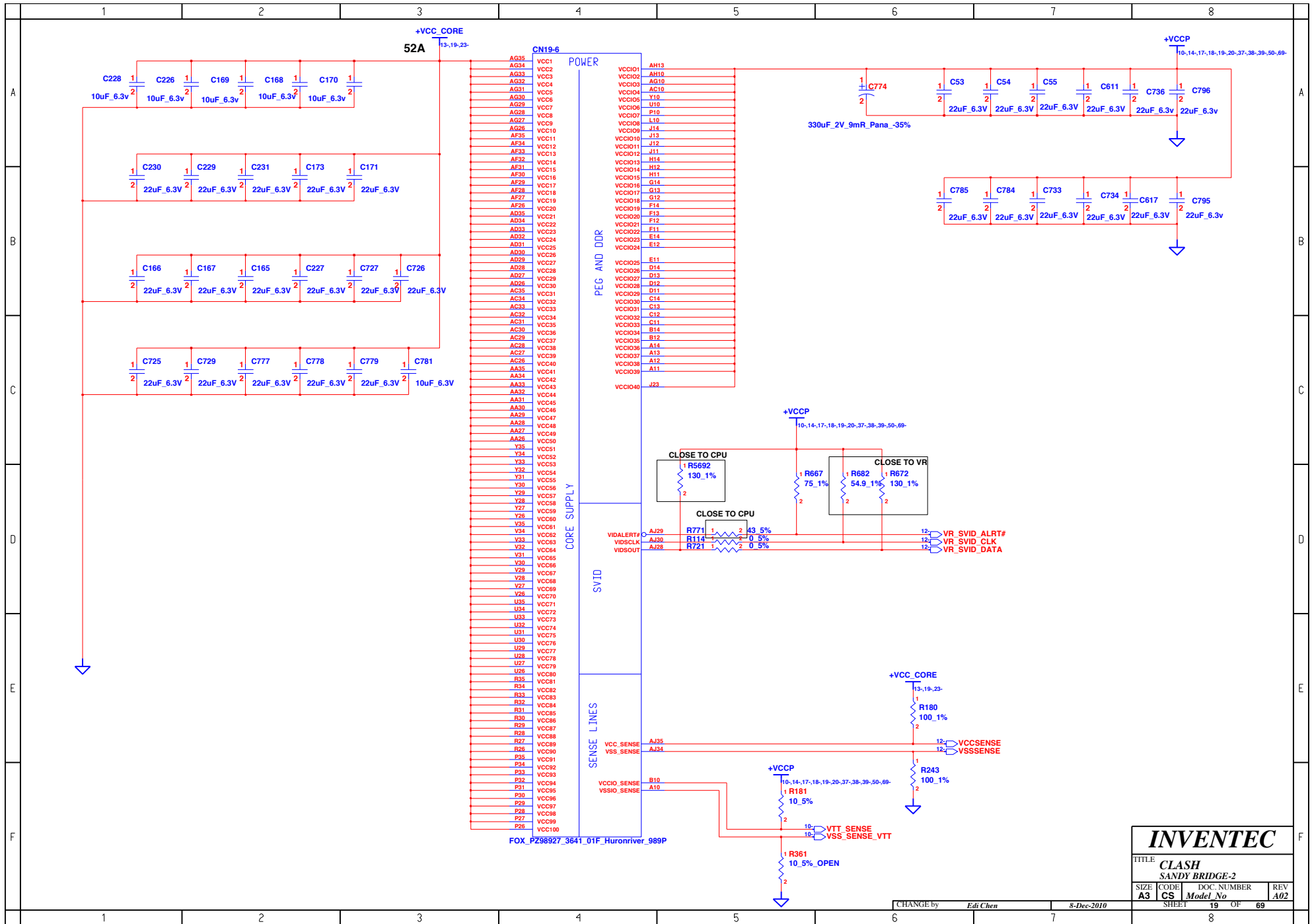
CPU XDP CONNECTOR



PCH XDP CONNECTOR

INVENTEC			
TITLE CLASH XDP CONN			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV A02
CHANGE by Edi Chen		8-Dec-2010	
SHEET 17		OF 69	

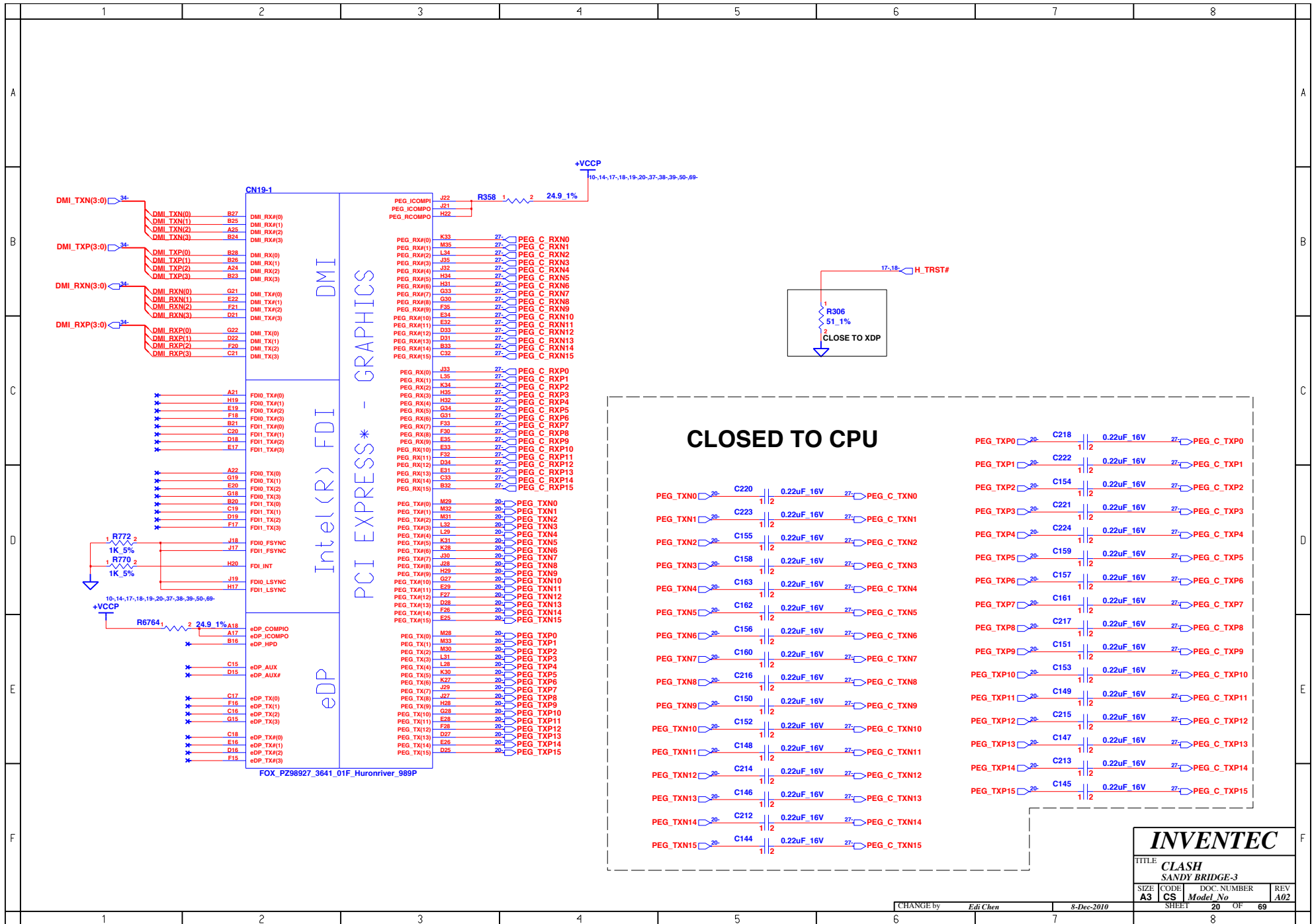


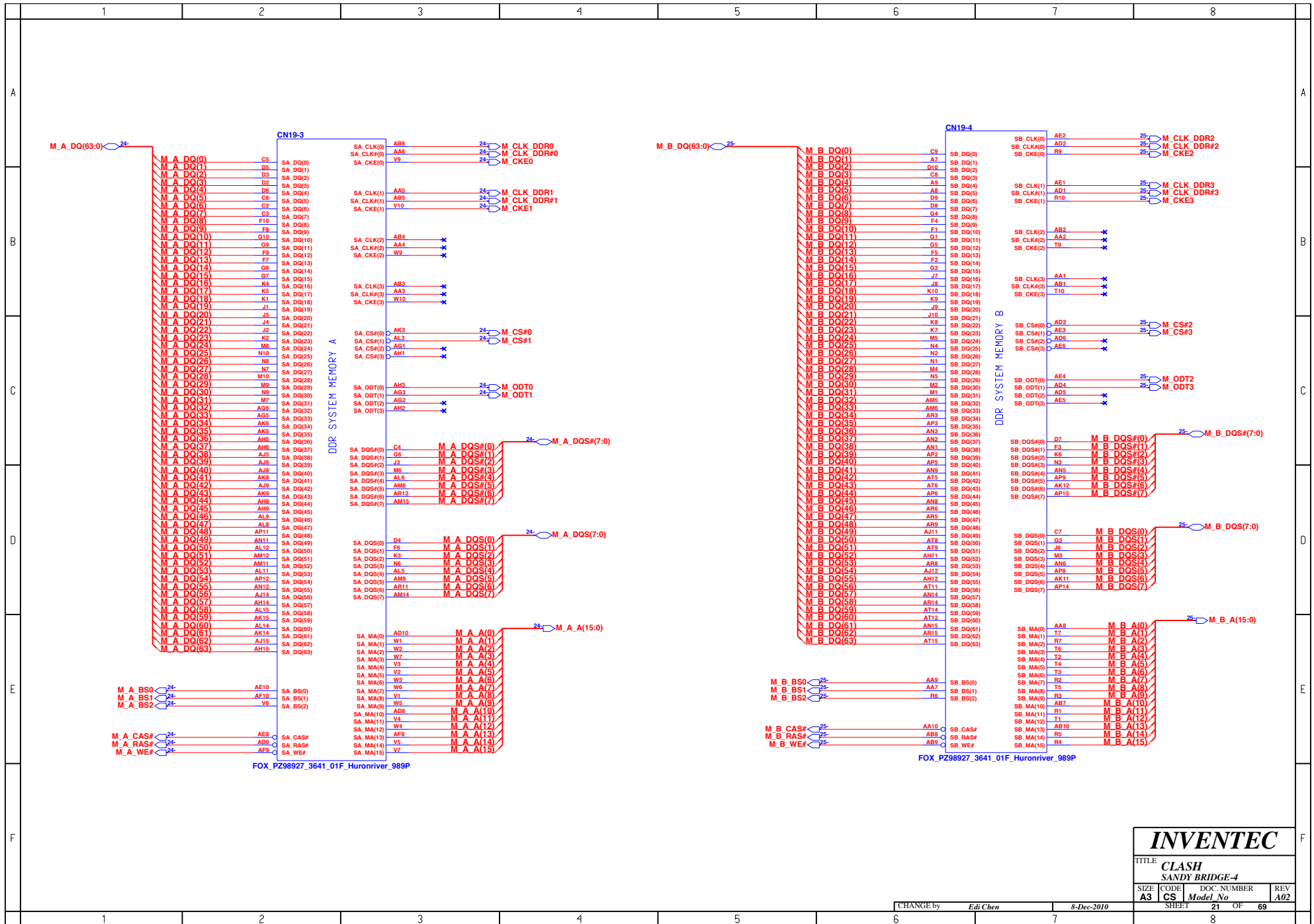


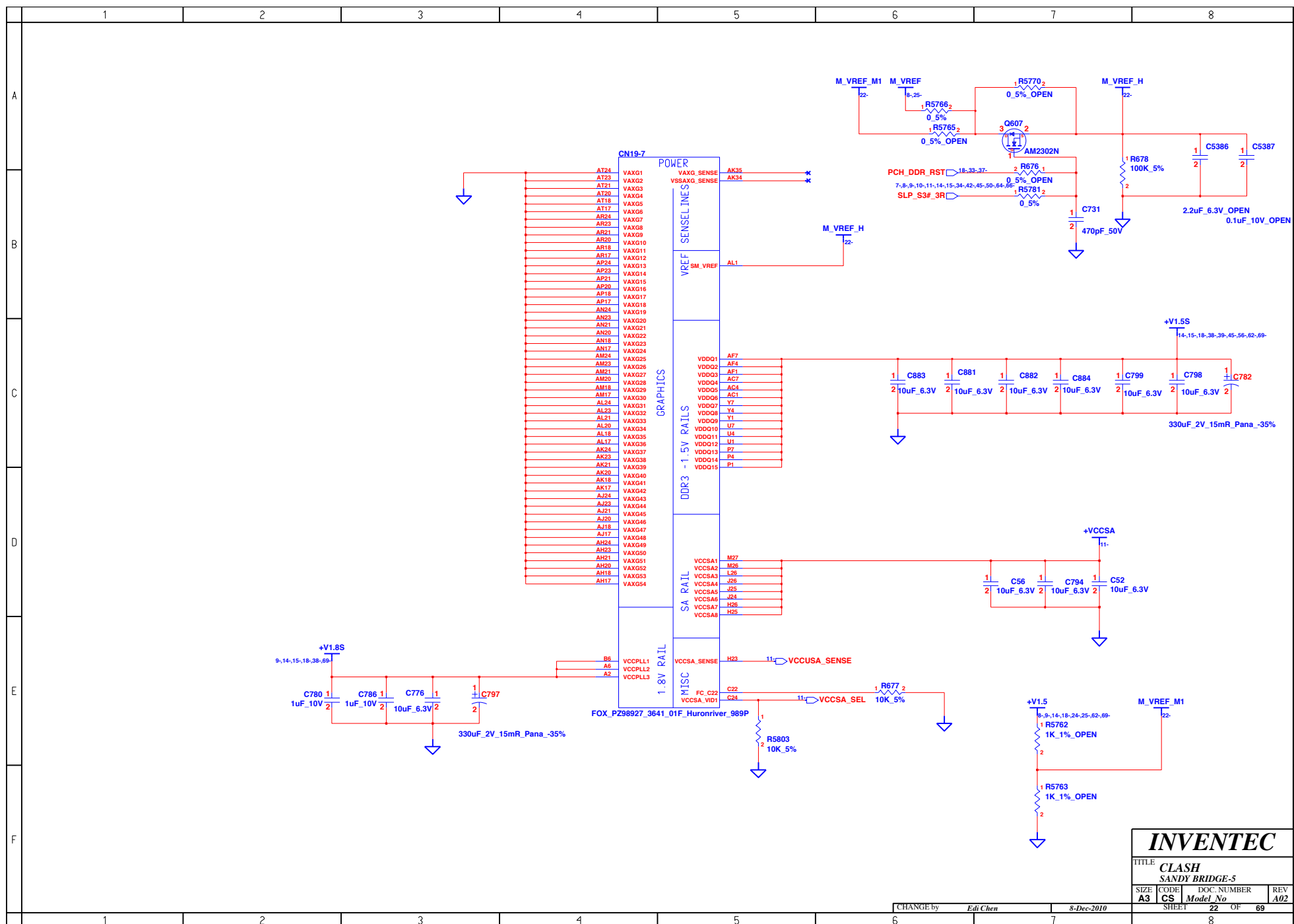
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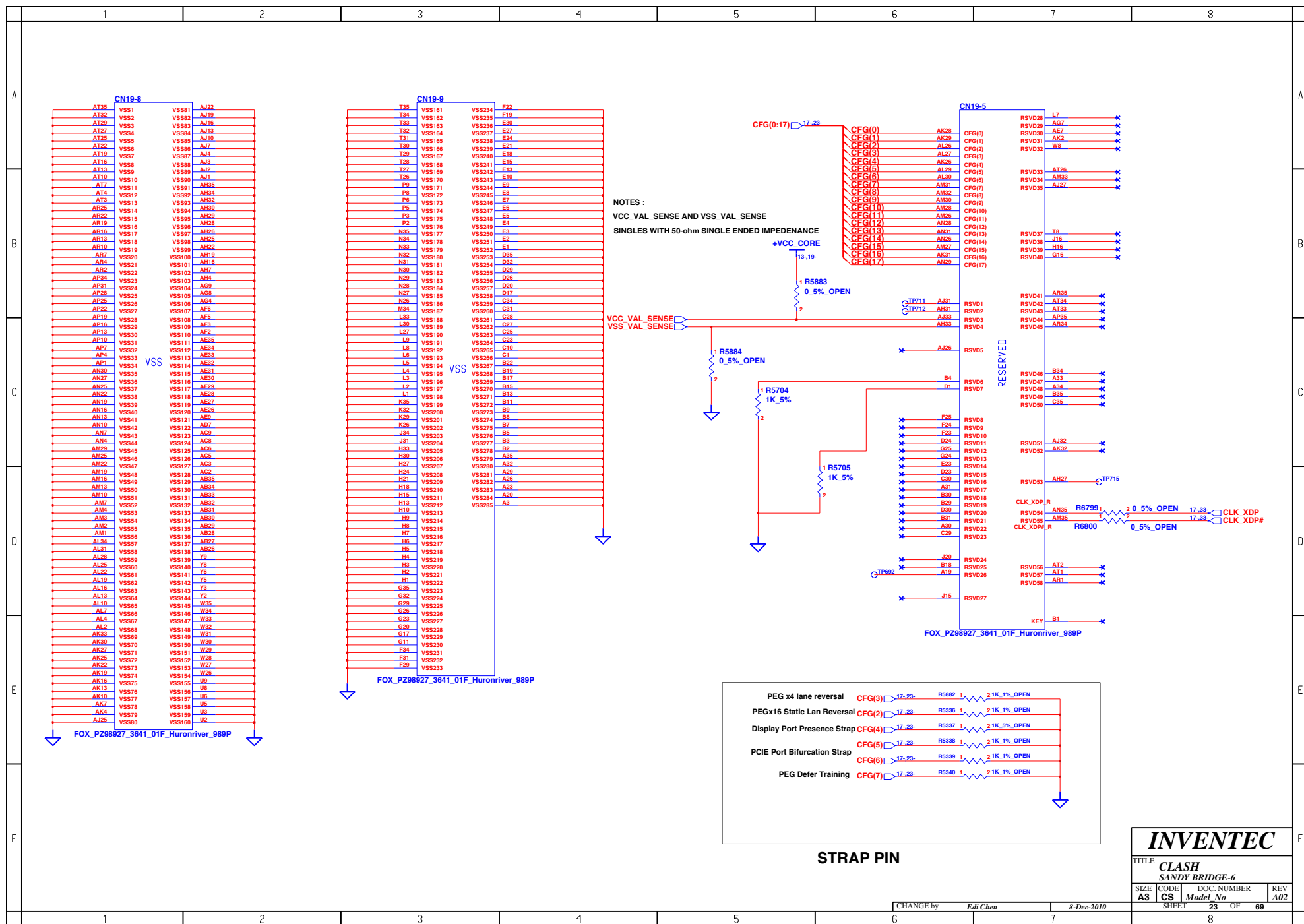
TITLE CLASH SANDY BRIDGE-2			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV A02
SHEET 19		OF 69	

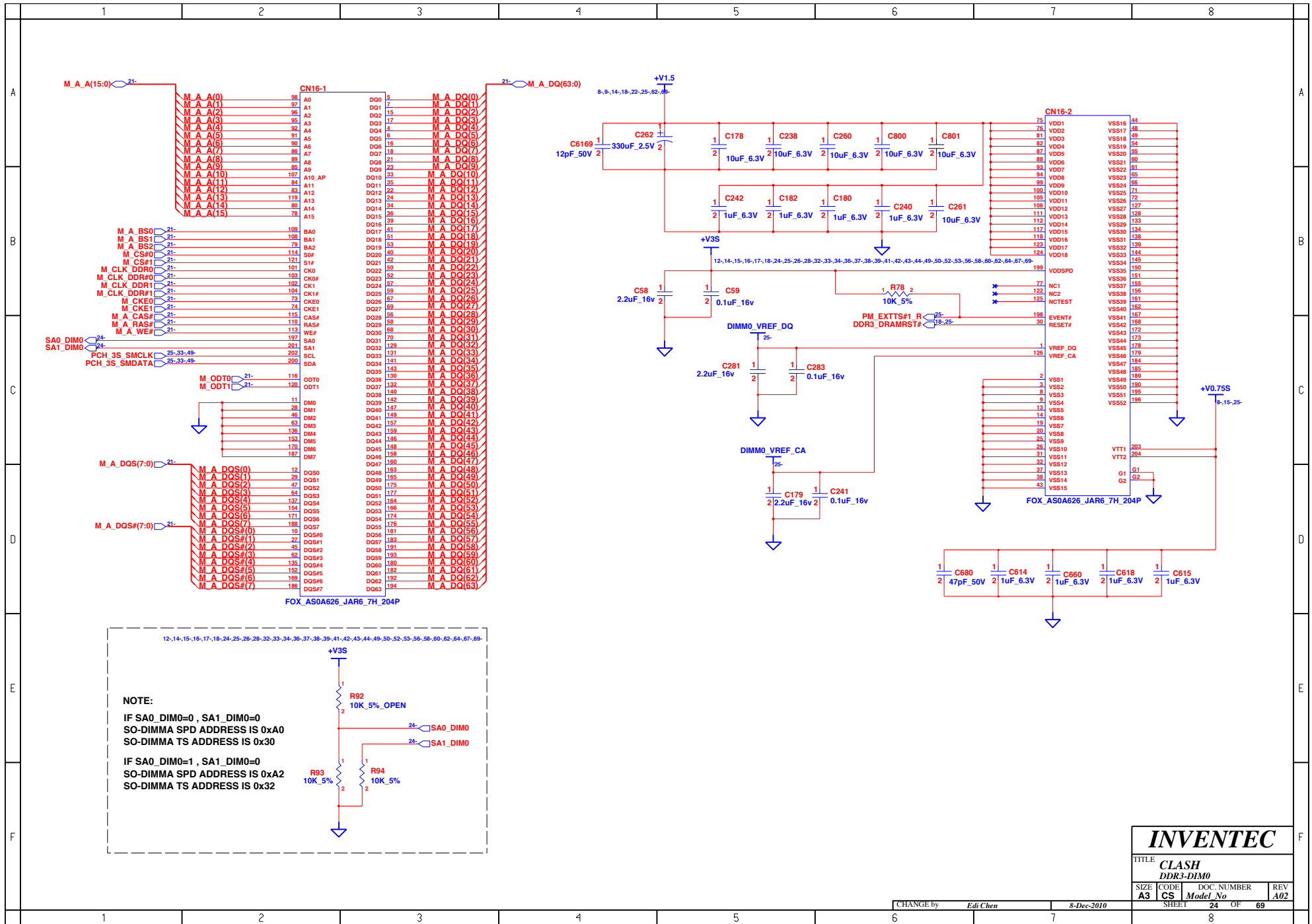
CHANGE by *Edi Chen* 8-Dec-2010

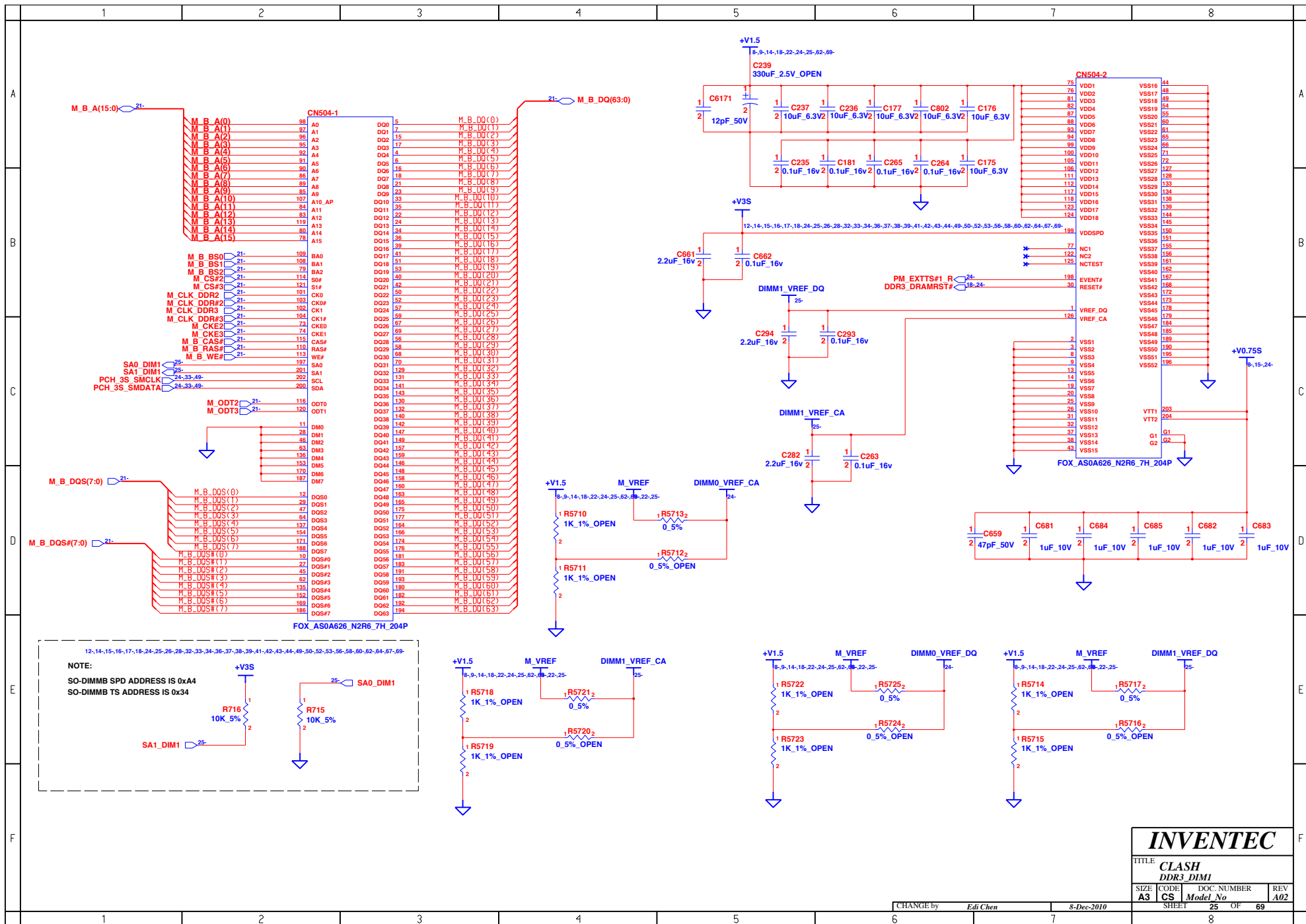




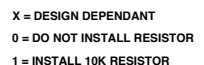


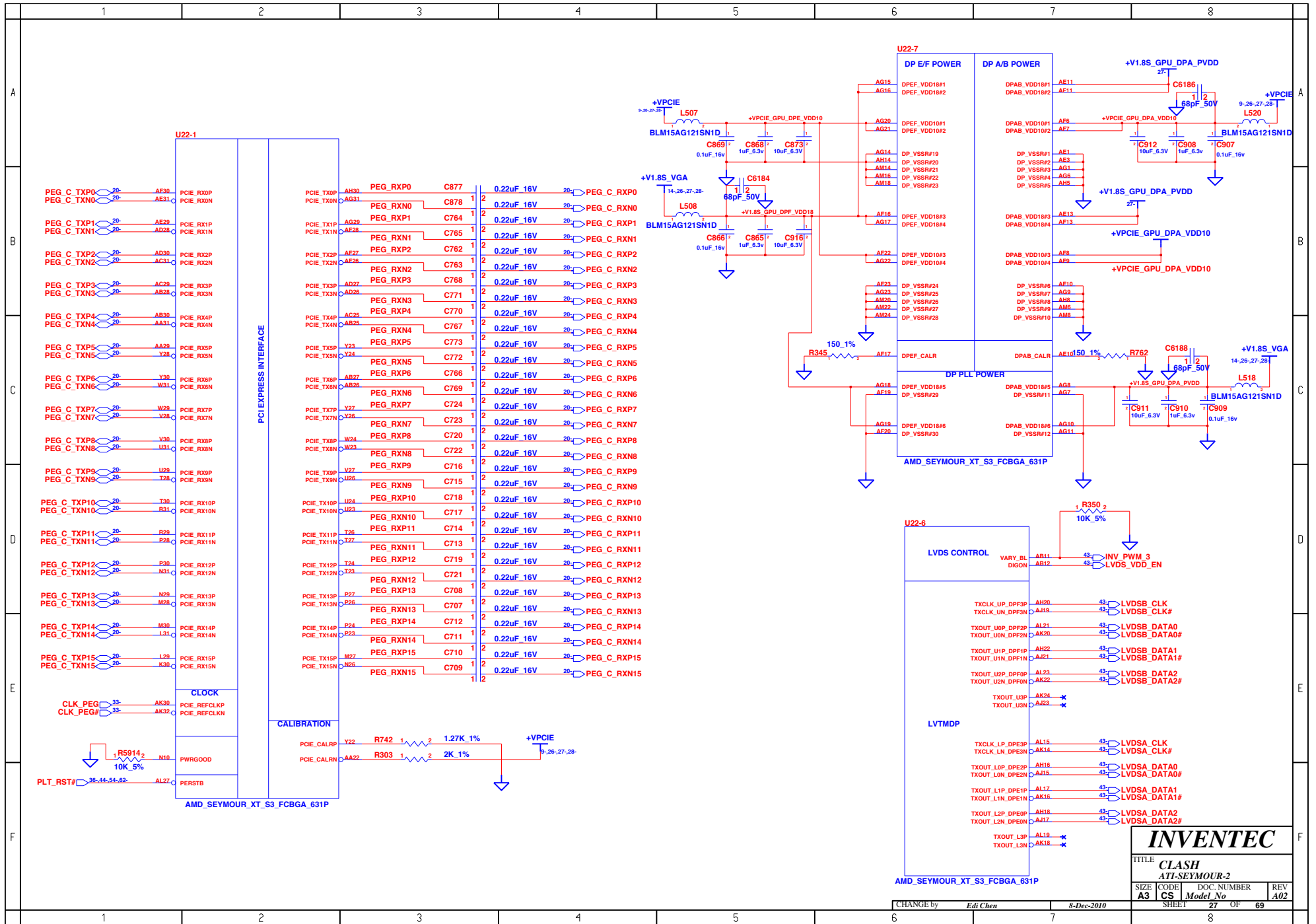


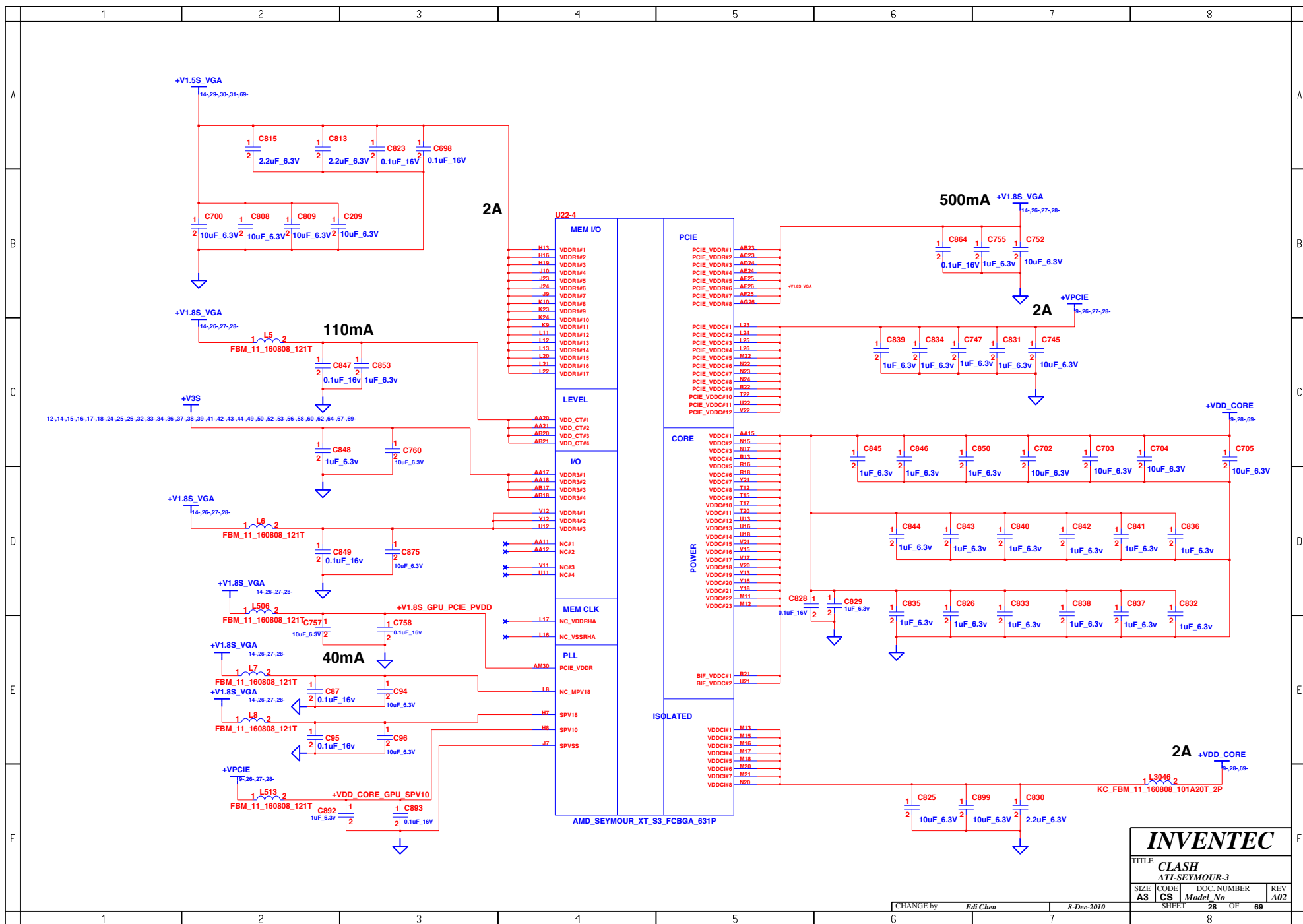


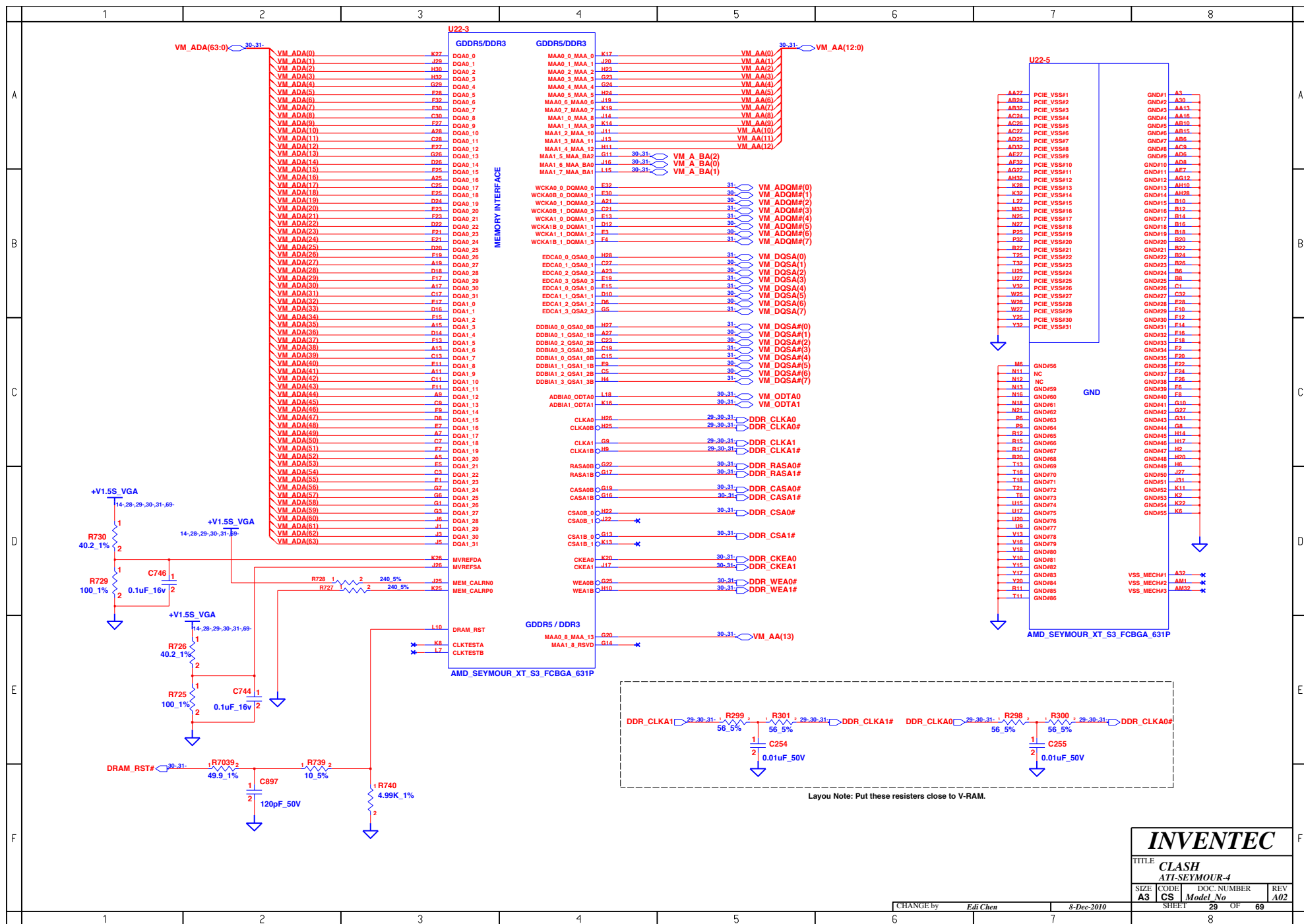


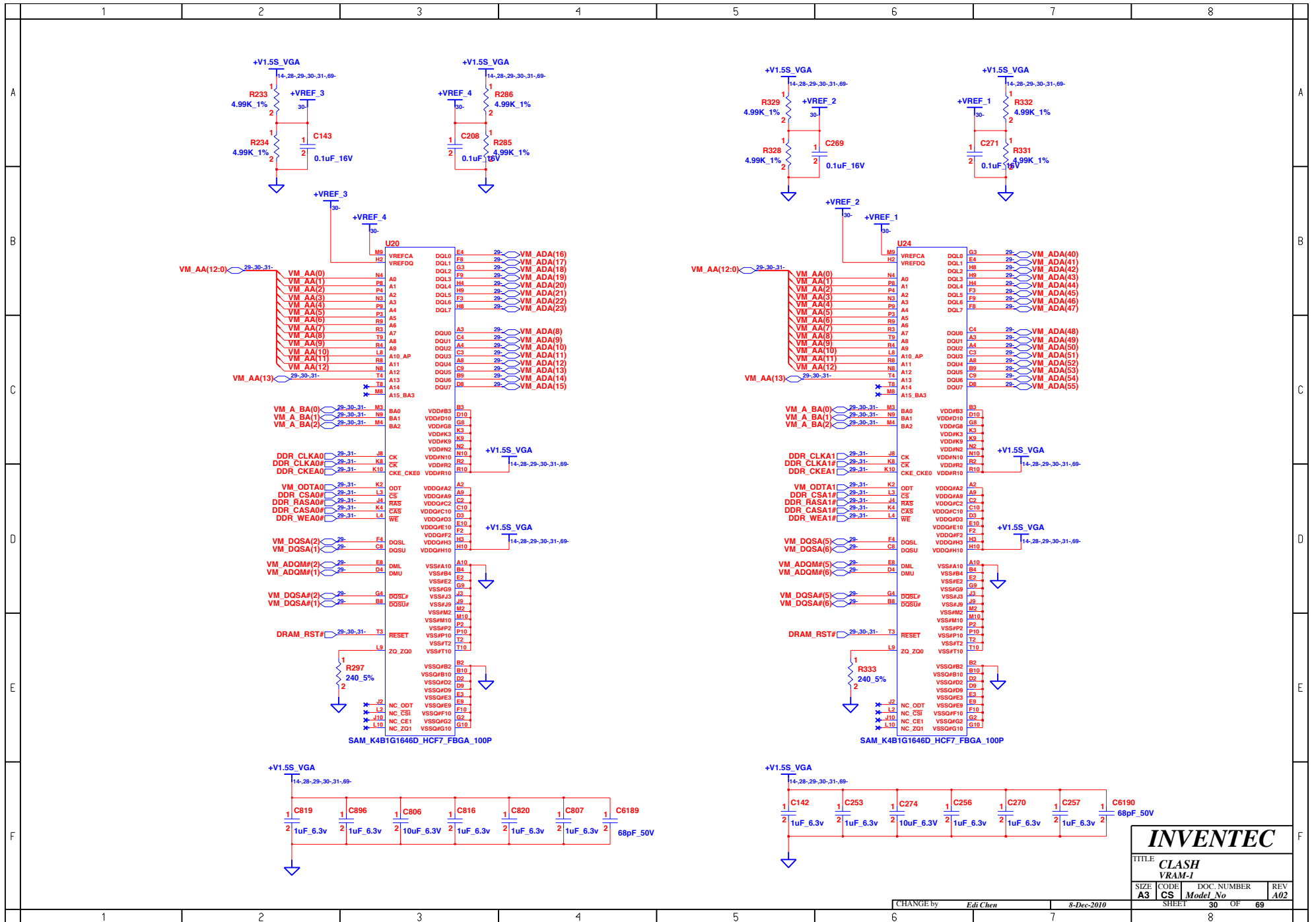
The schematic diagram illustrates the power supply section of the BLM15AG121SN1D board. It features several input and output rails, including +V1.8S_VGA, +V1.8S_GPU_DPLL_VPDD, +VPCIE, and +V1.8S_V. Key components include capacitors C872, C871, C863, C8181, C856, C855, C5963, and C5964, along with a 27MHz crystal X3005. The diagram is annotated with component values, pin numbers, and current ratings.







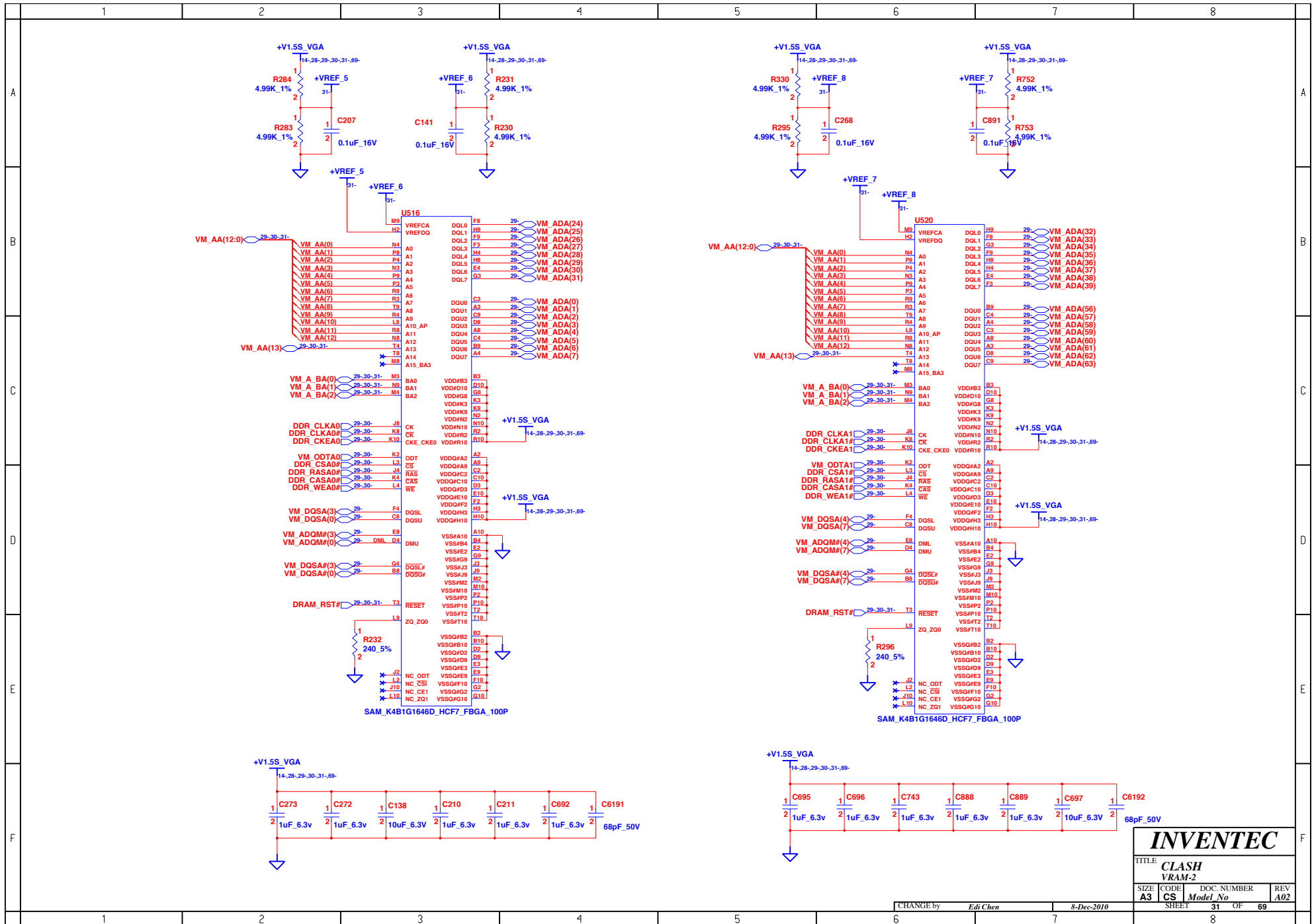


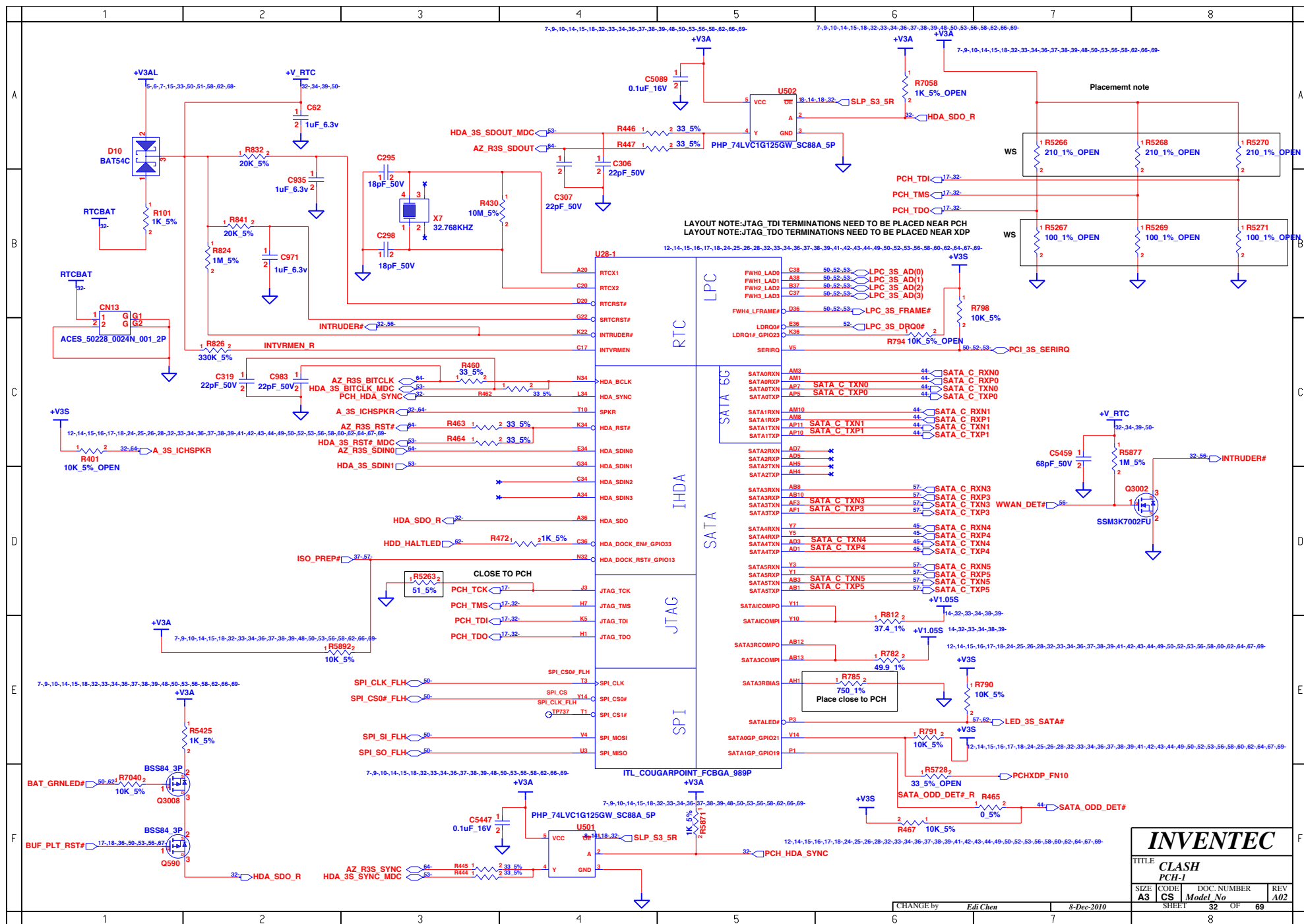


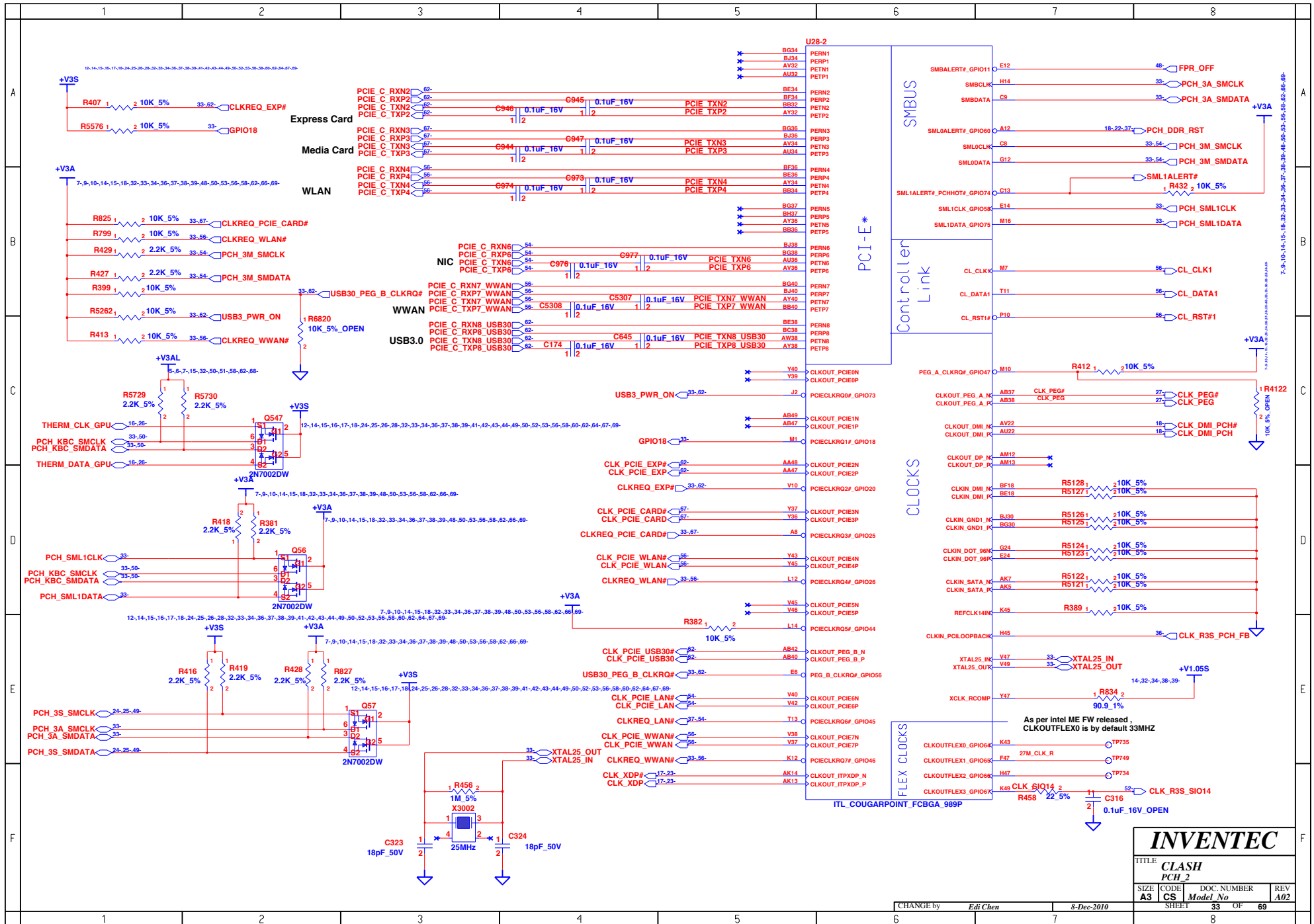
INVENTEC

TITLE CLASH VRAM-1			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV A02
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CHANGE by: *Edi Chen* 8-Dec-2010

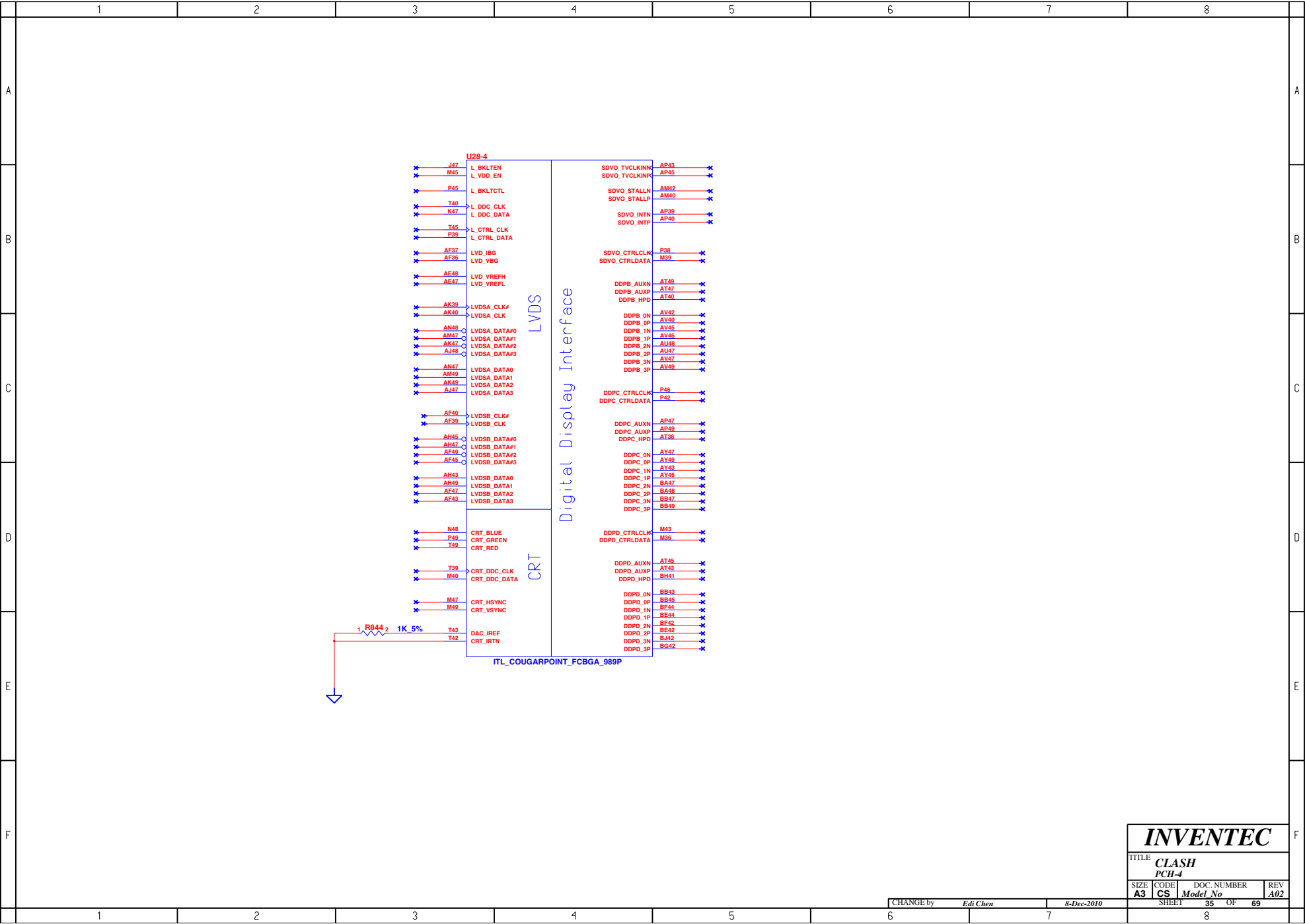






A

CF

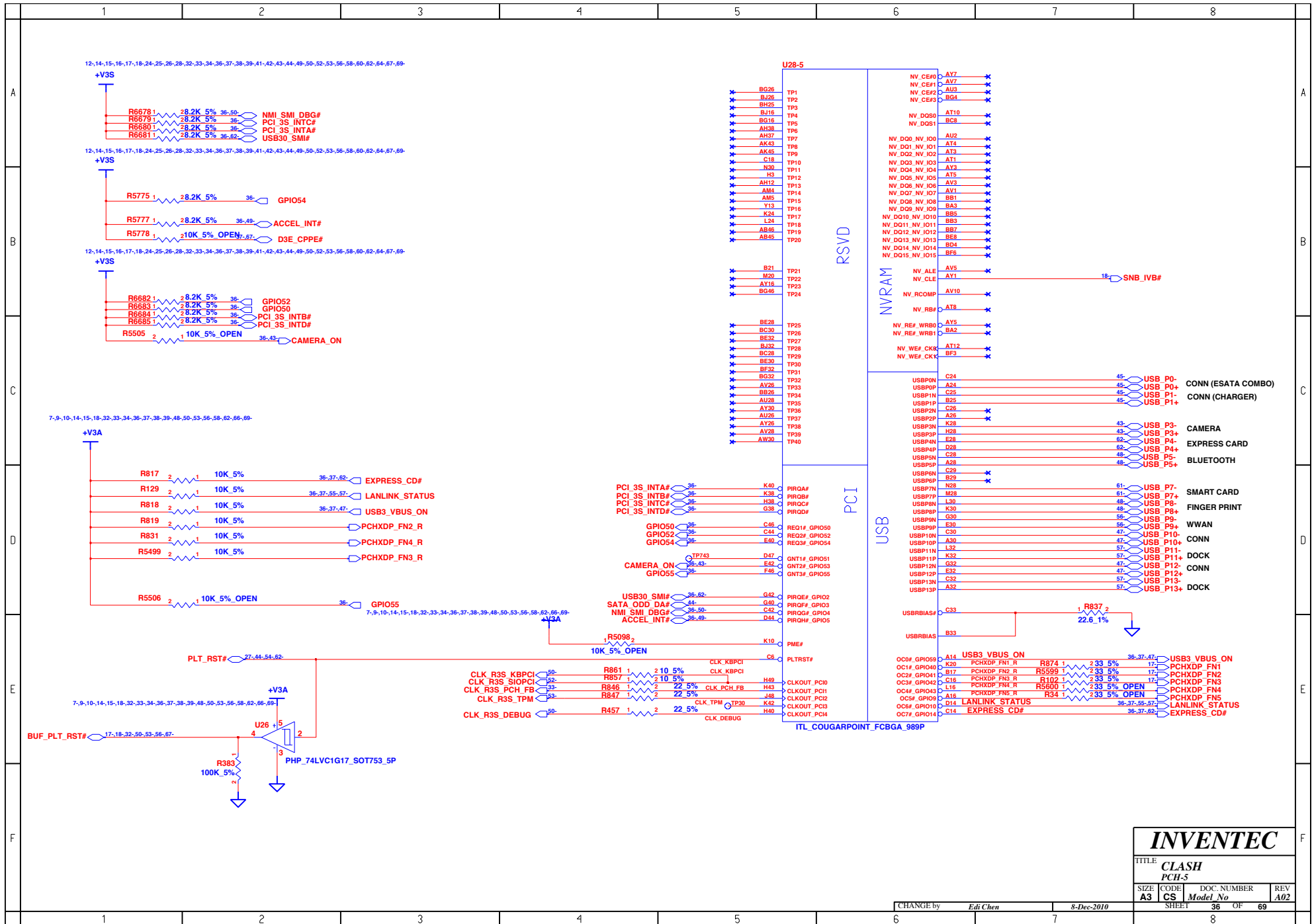


INVENTEC

TITLE CLASH PCH-4			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV A02

CHANGE by Edi Chen 8-Dec-2010

SHEET 35 OF 69



INVENTEC

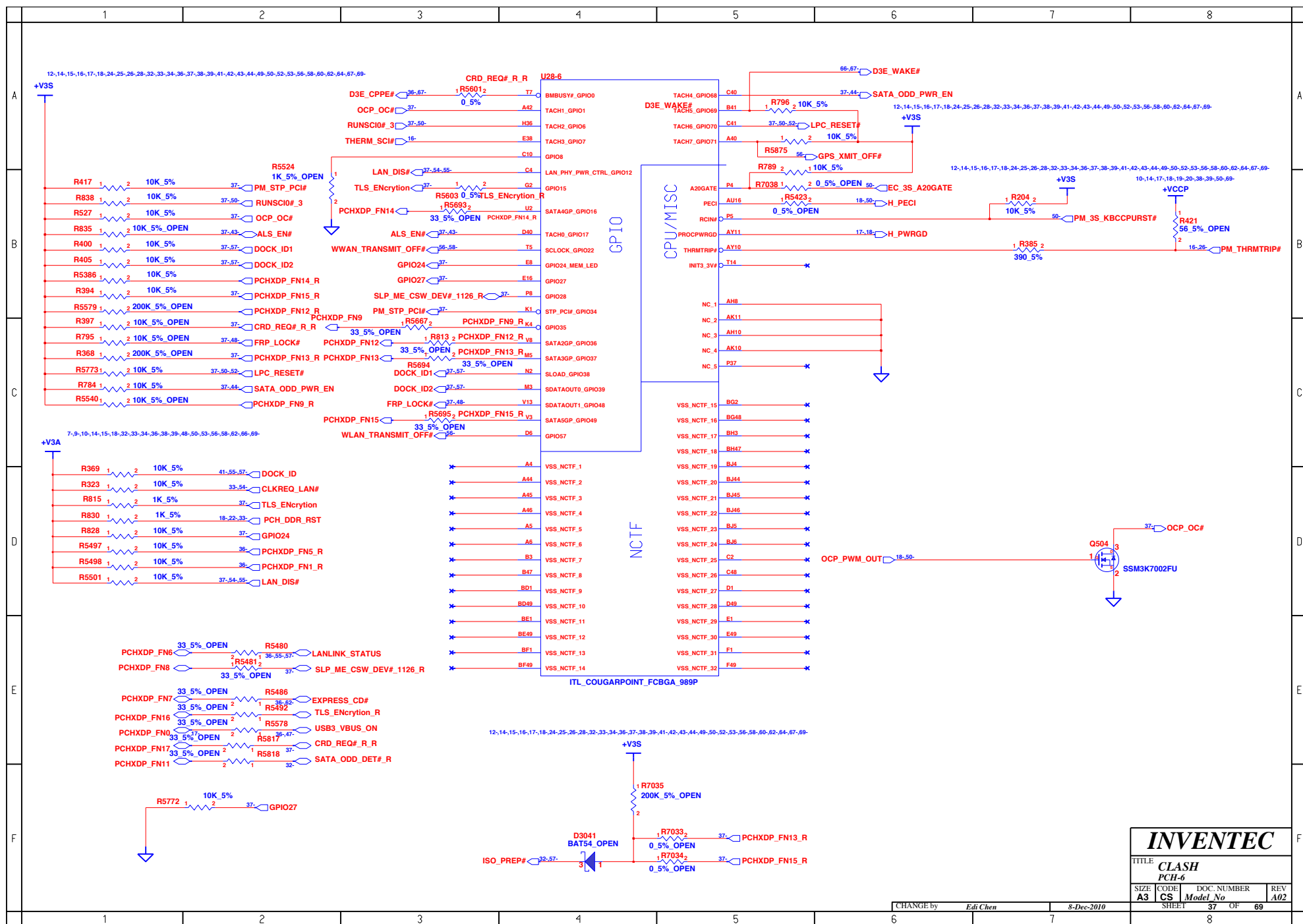
TITLE
CLASH
PCH-5

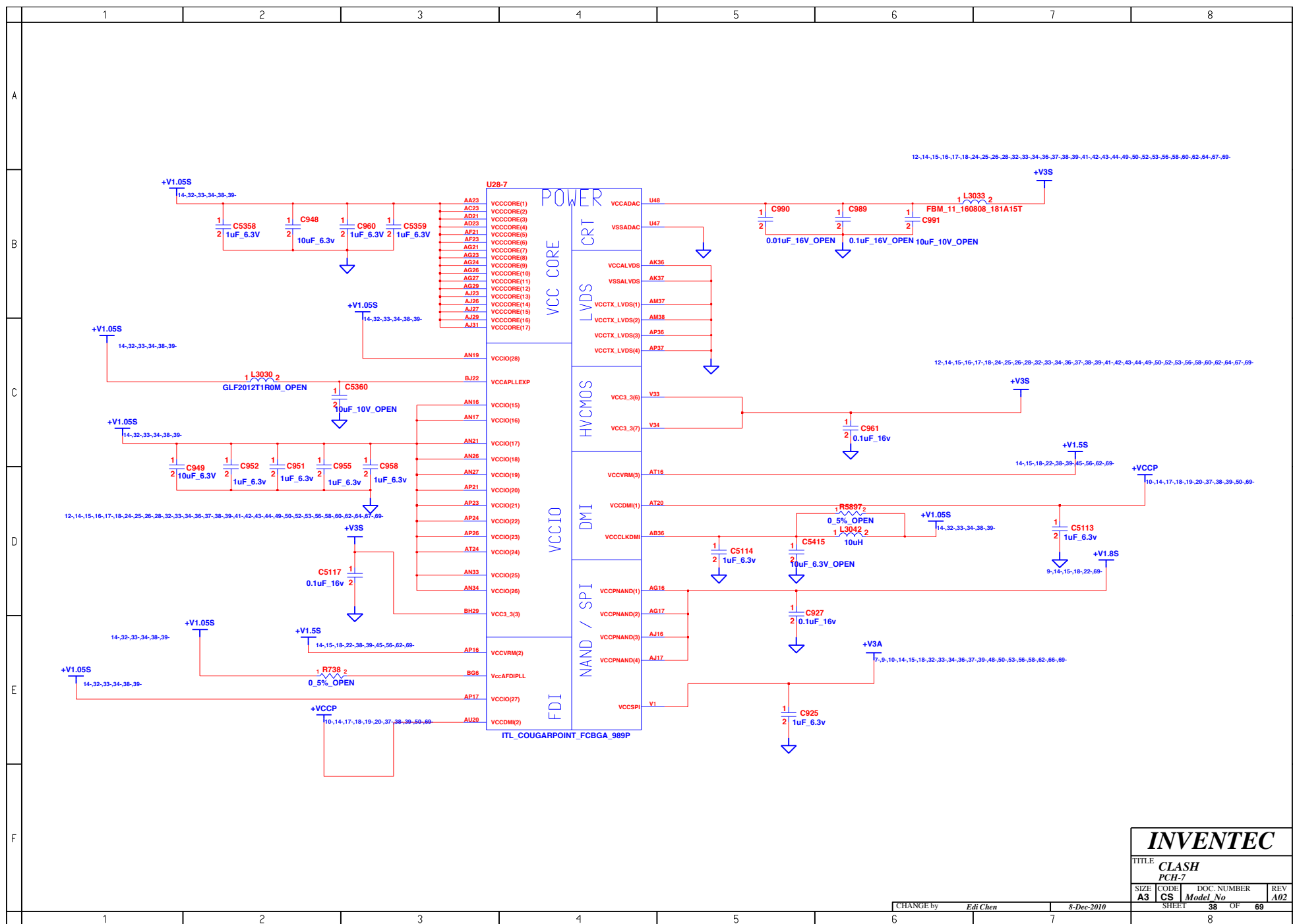
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A3	CS	Model No	A02

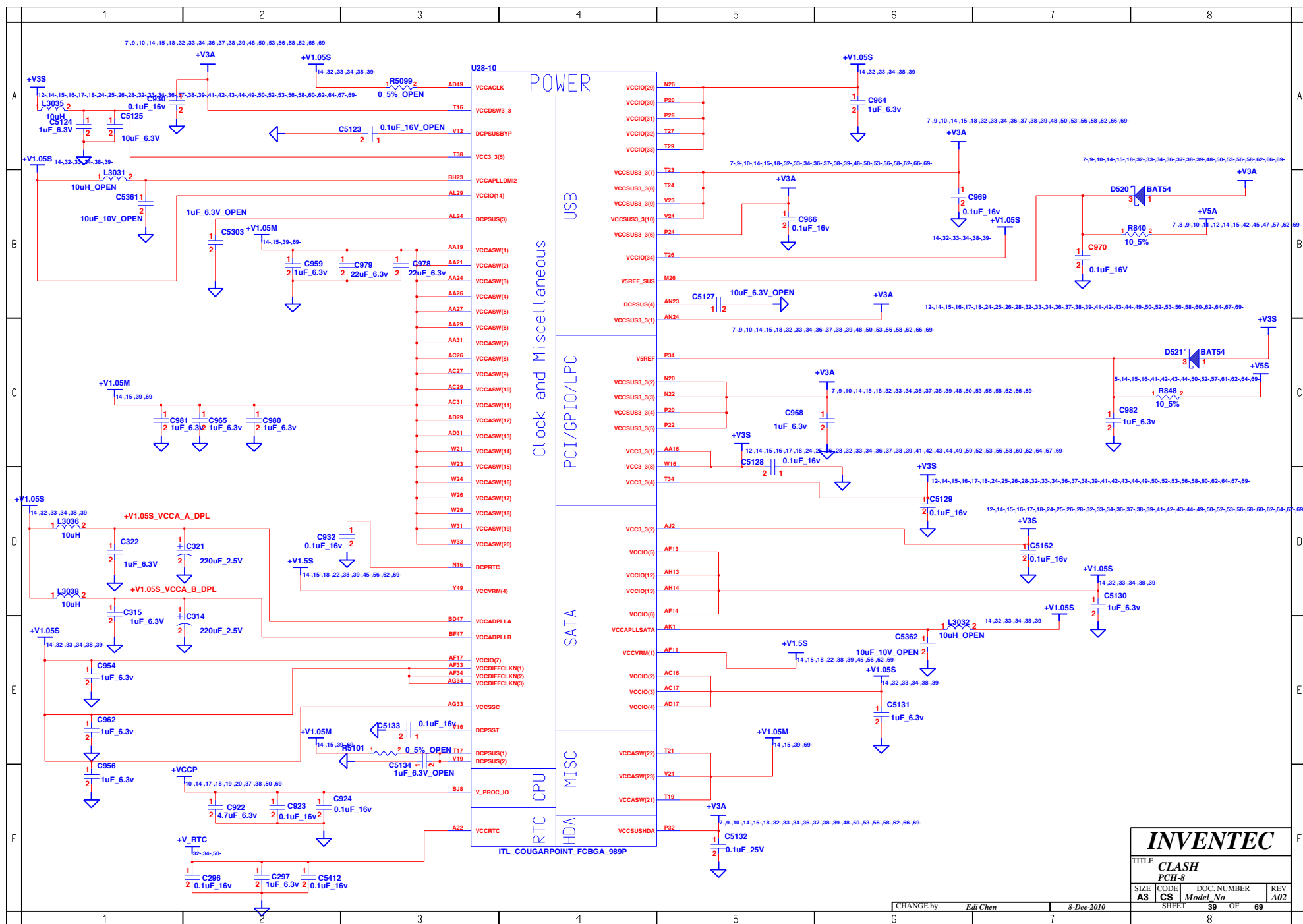
CHANGE by Edie Chen

8-Dec-2010

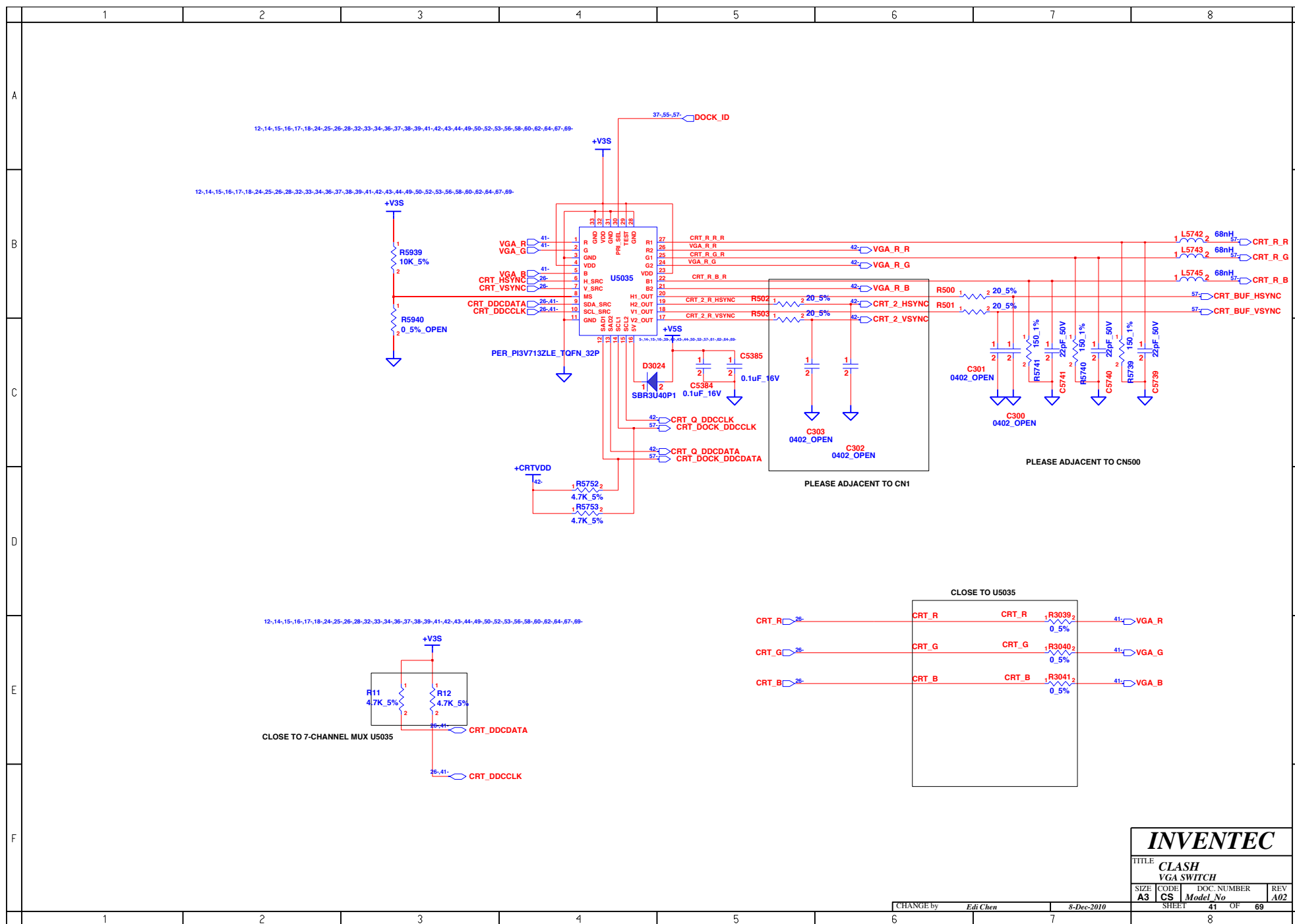
SHEET 36 OF 69

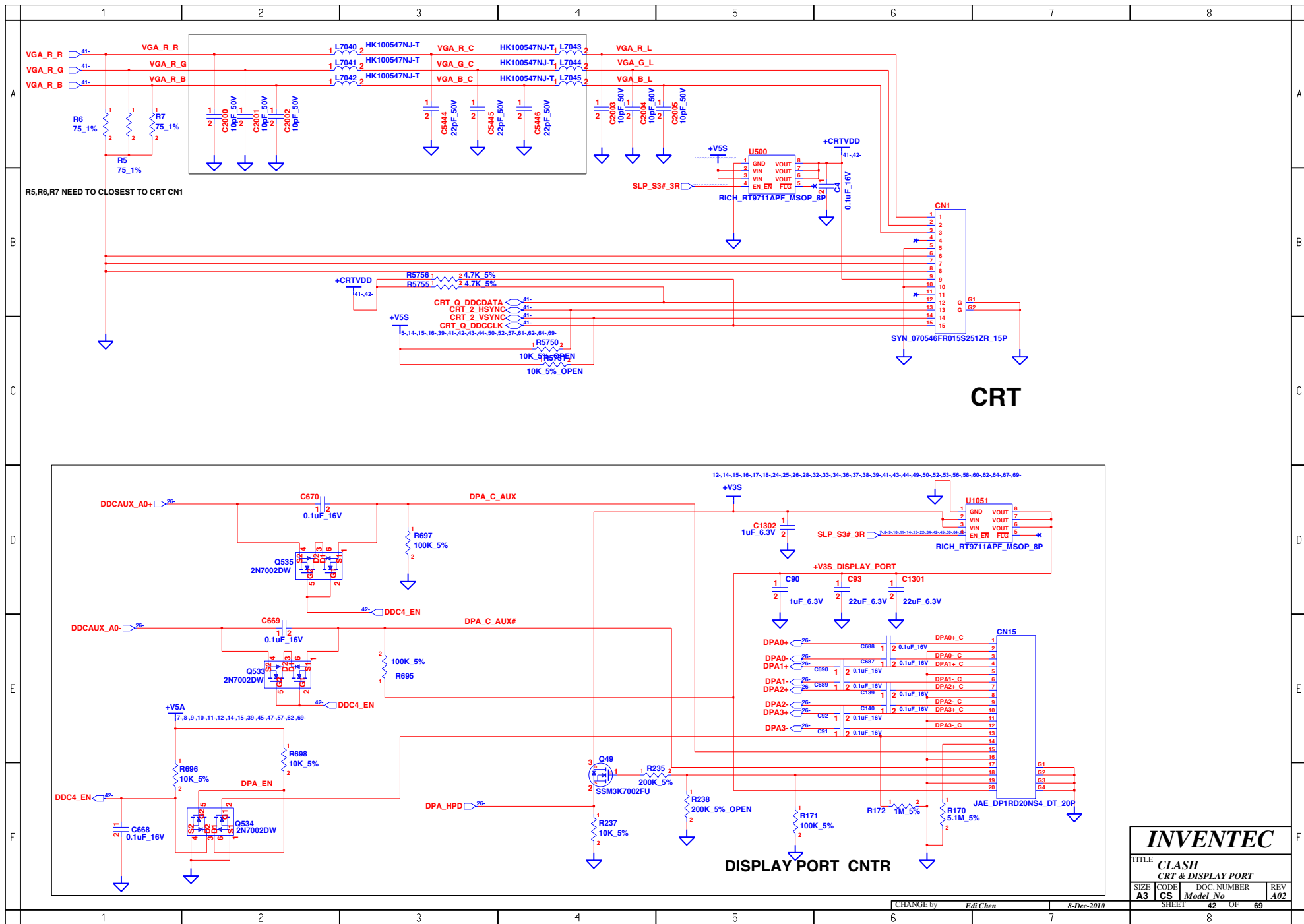


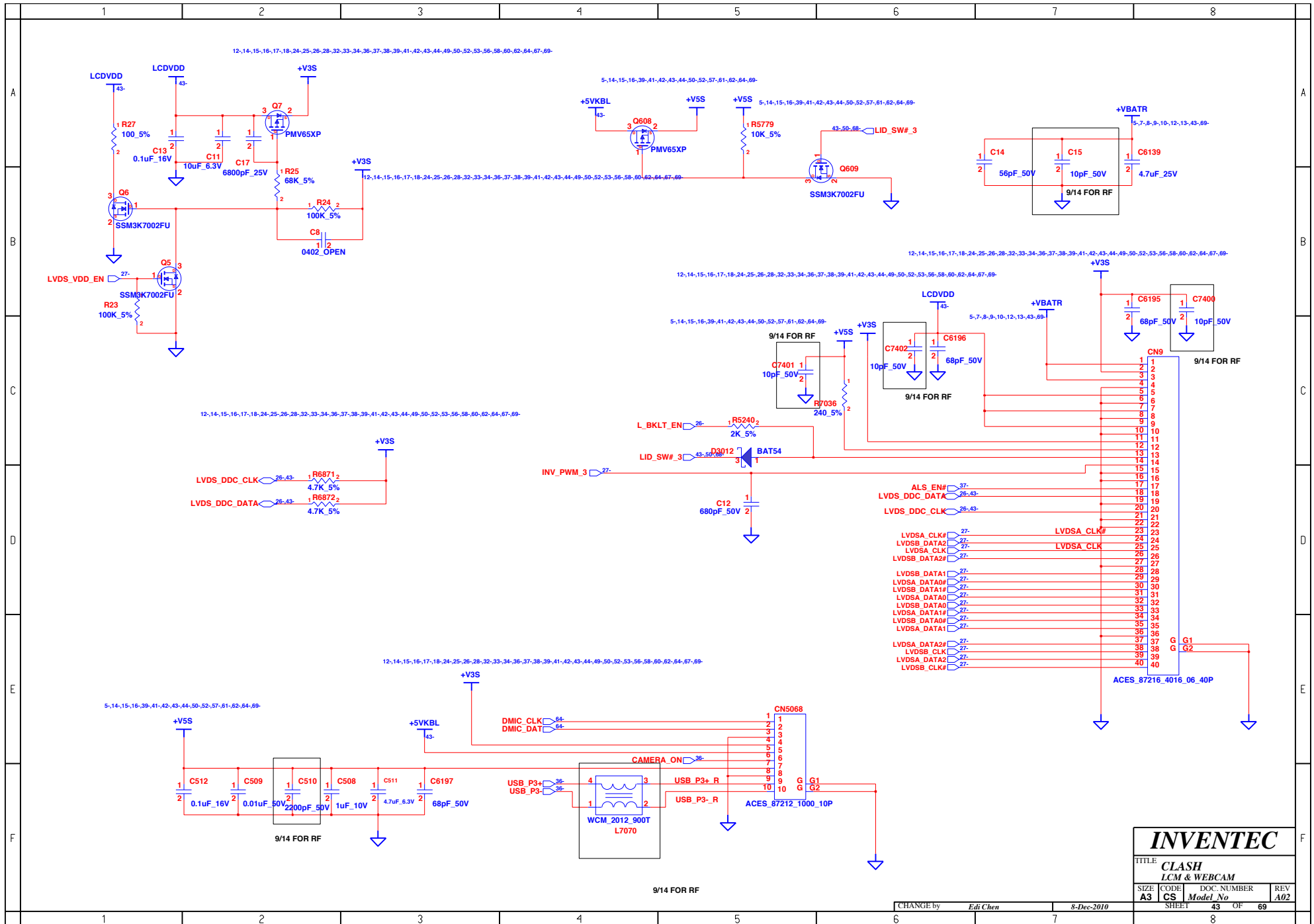




[illegible]







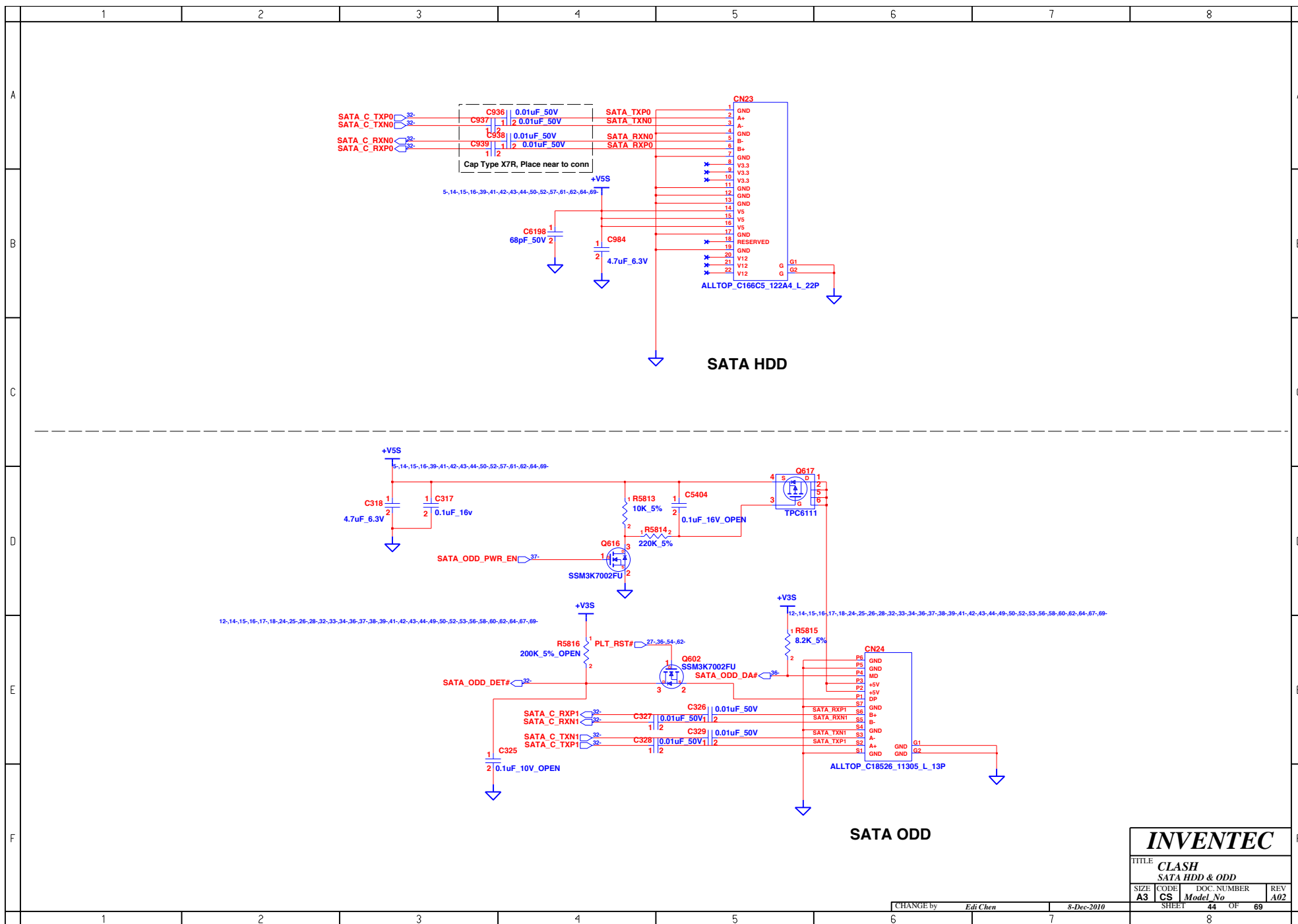
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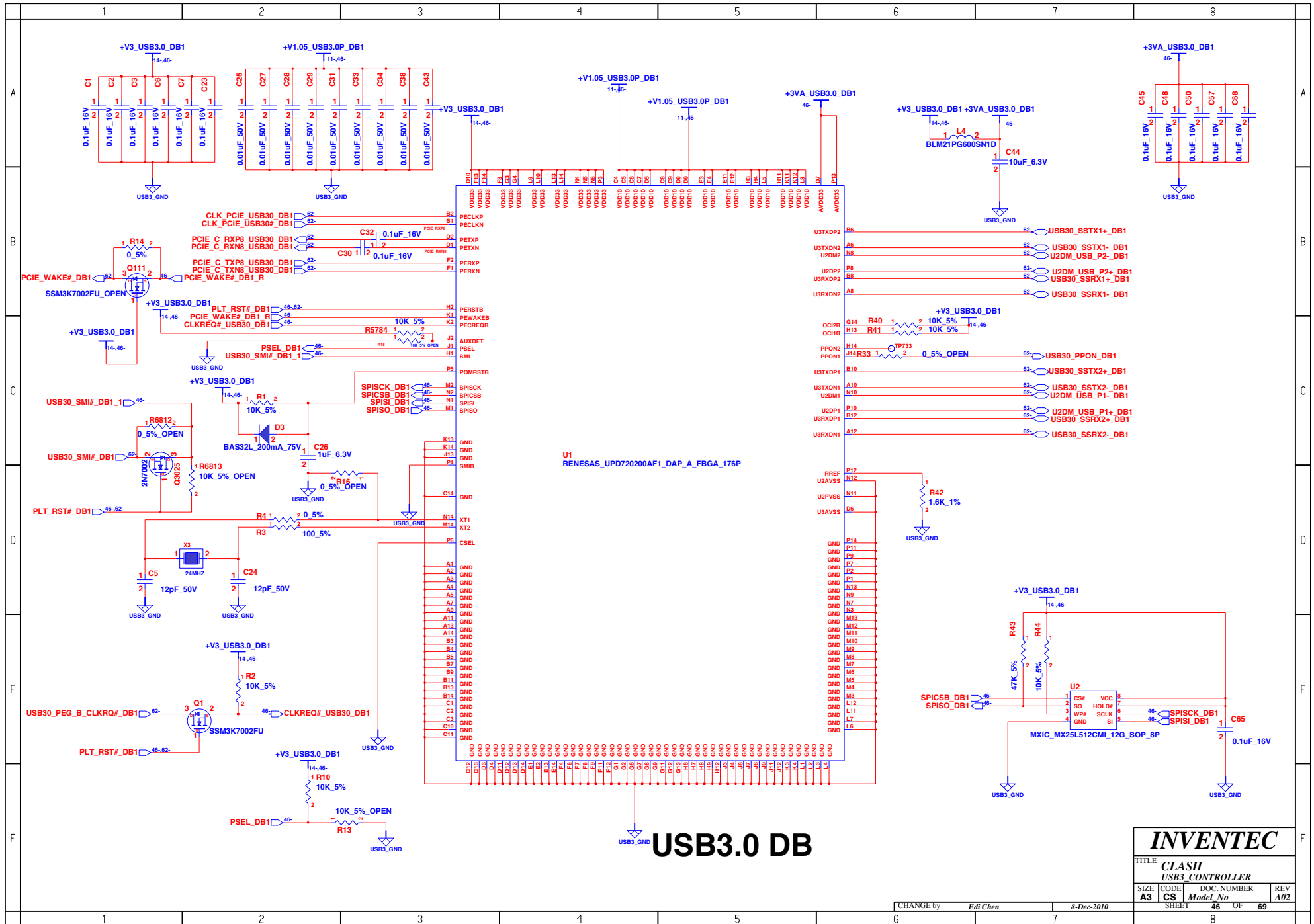
TITLE
CLASH
LCM & WEBCAM

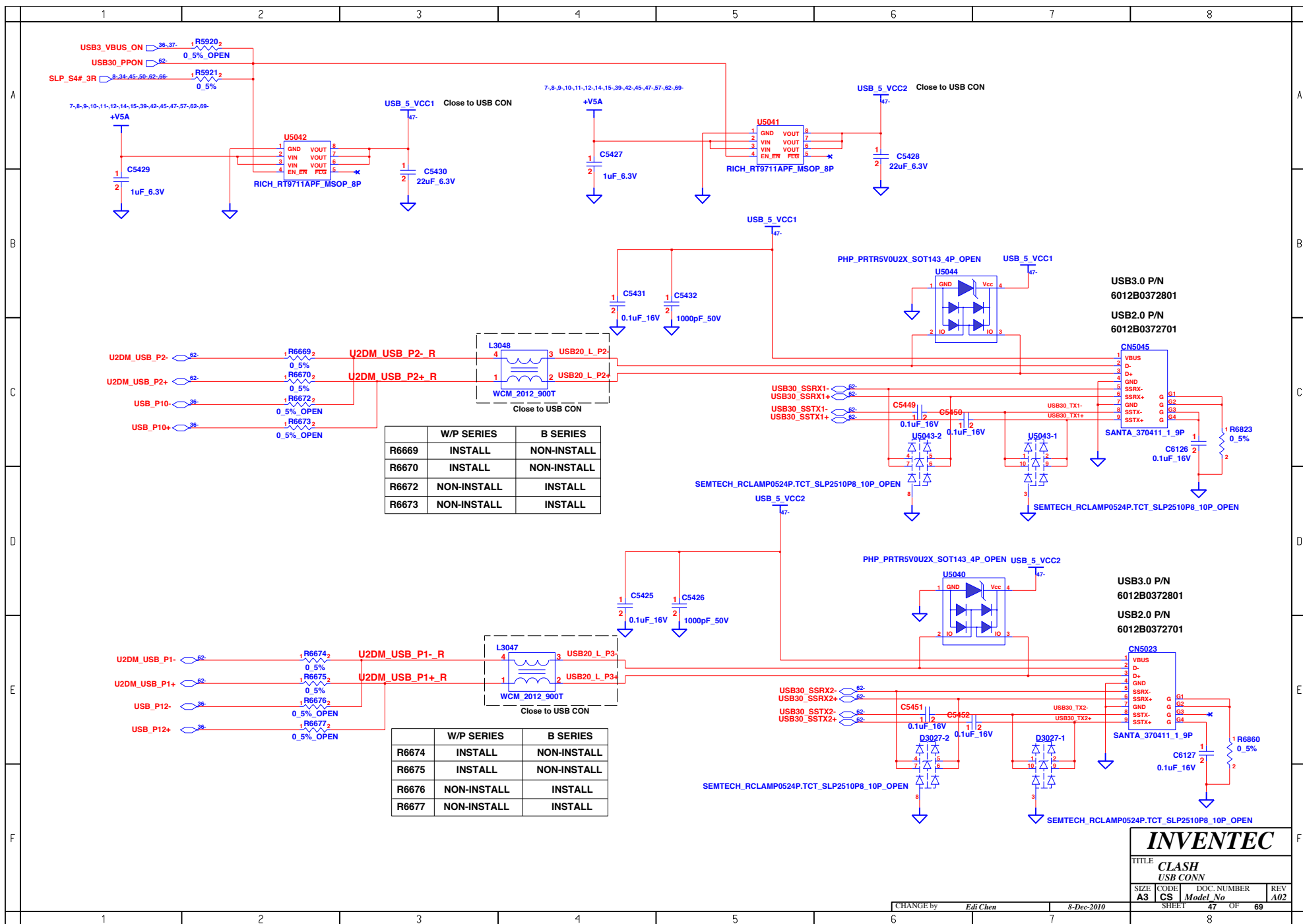
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A3 CS Model No **43** **OF 69** **A02**

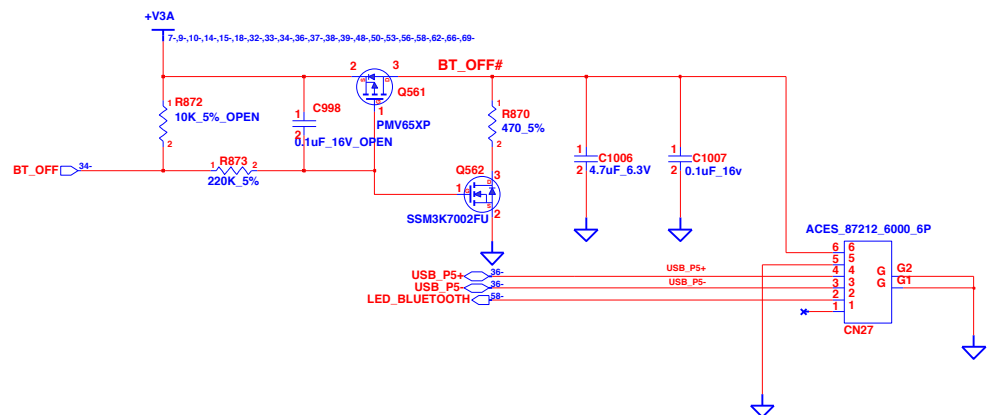
CHANGE by **Edi Chen** **8-Dec-2010**

8

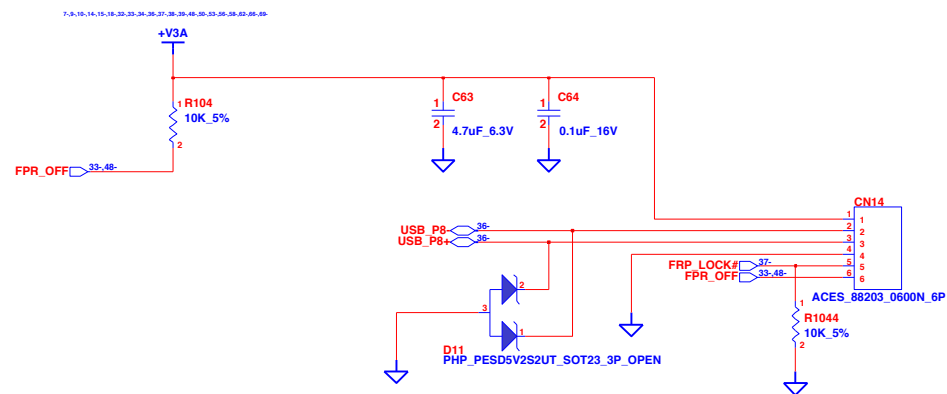








BLUETOOTH



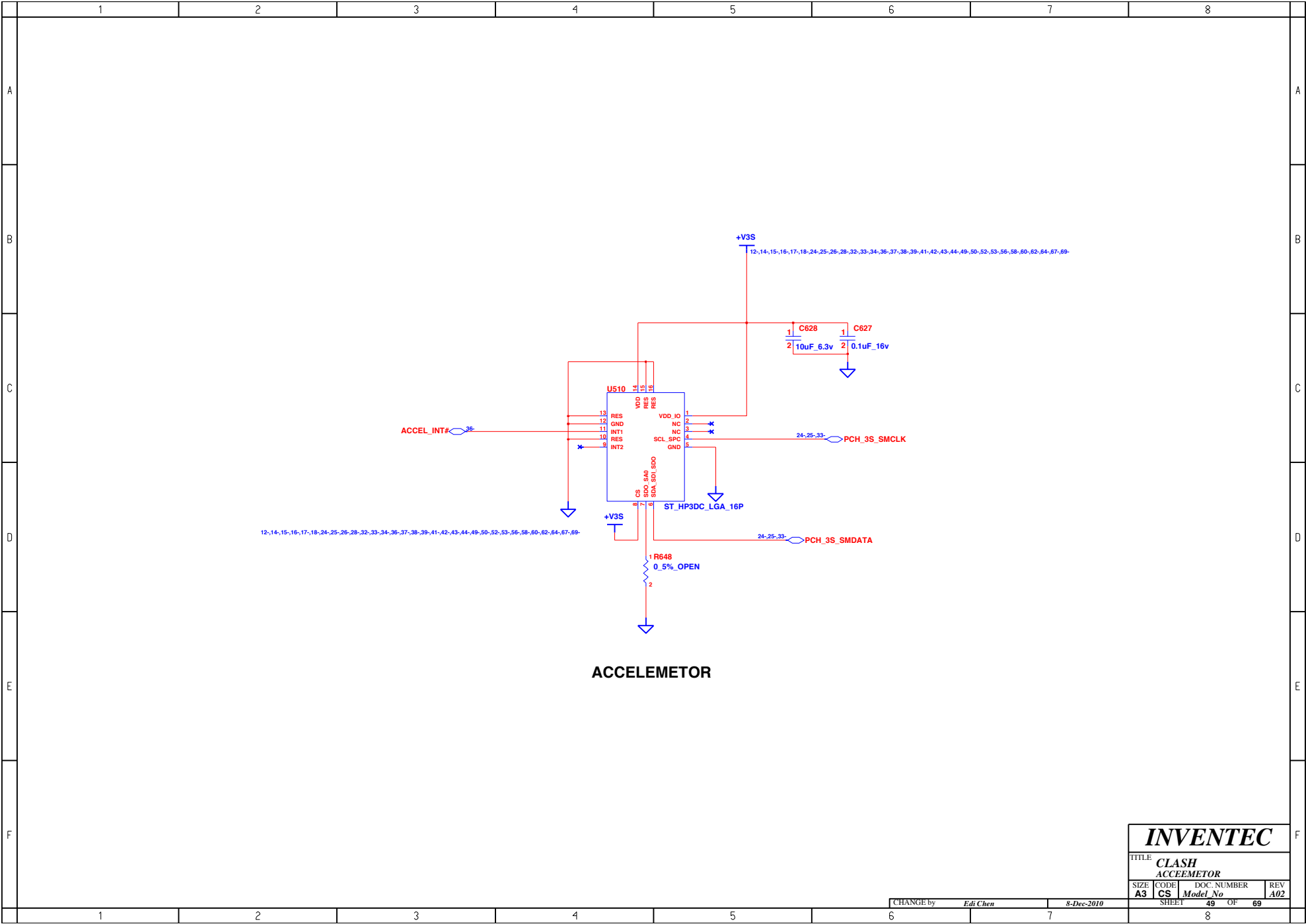
FINGER PRINTER CNTR

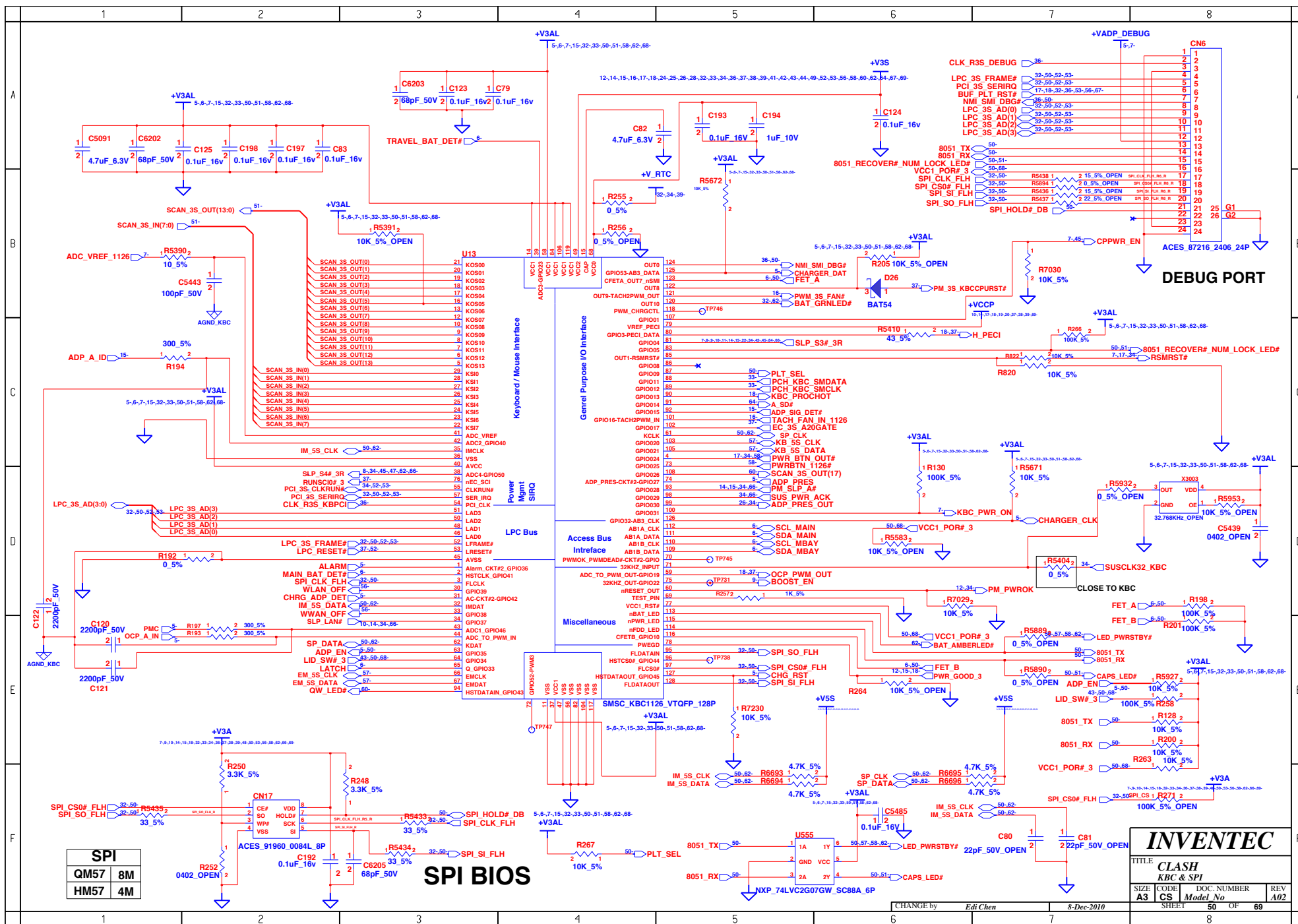
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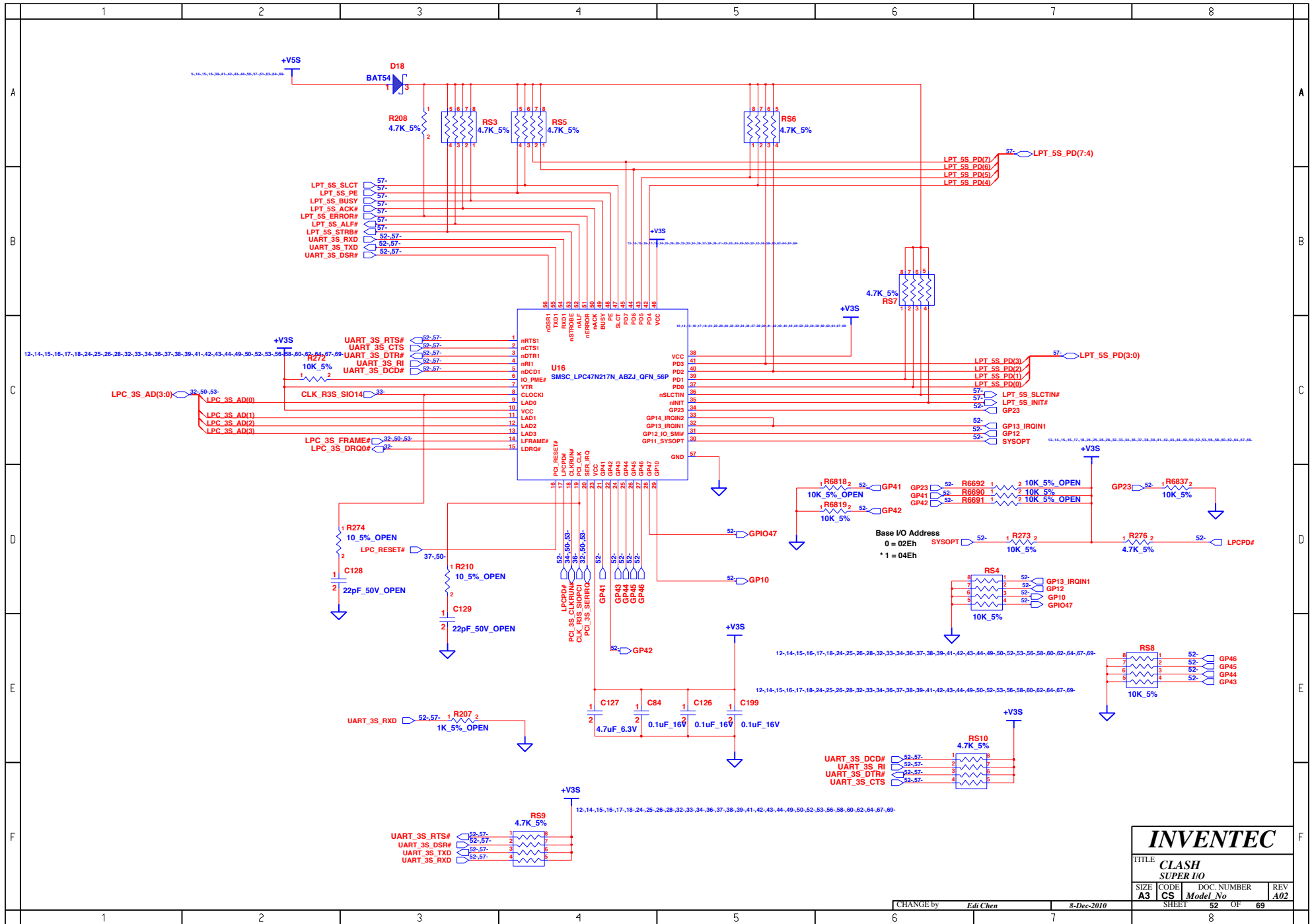
TITLE **CLASH**
BLUETOOTH & FINGER PRINTER
 SIZE **A3** CODE **CS** DOC. NUMBER **Model No** REV **A02**

CHANGE by **Edi Chen** 8-Dec-2010

SHEET **48** OF **69**



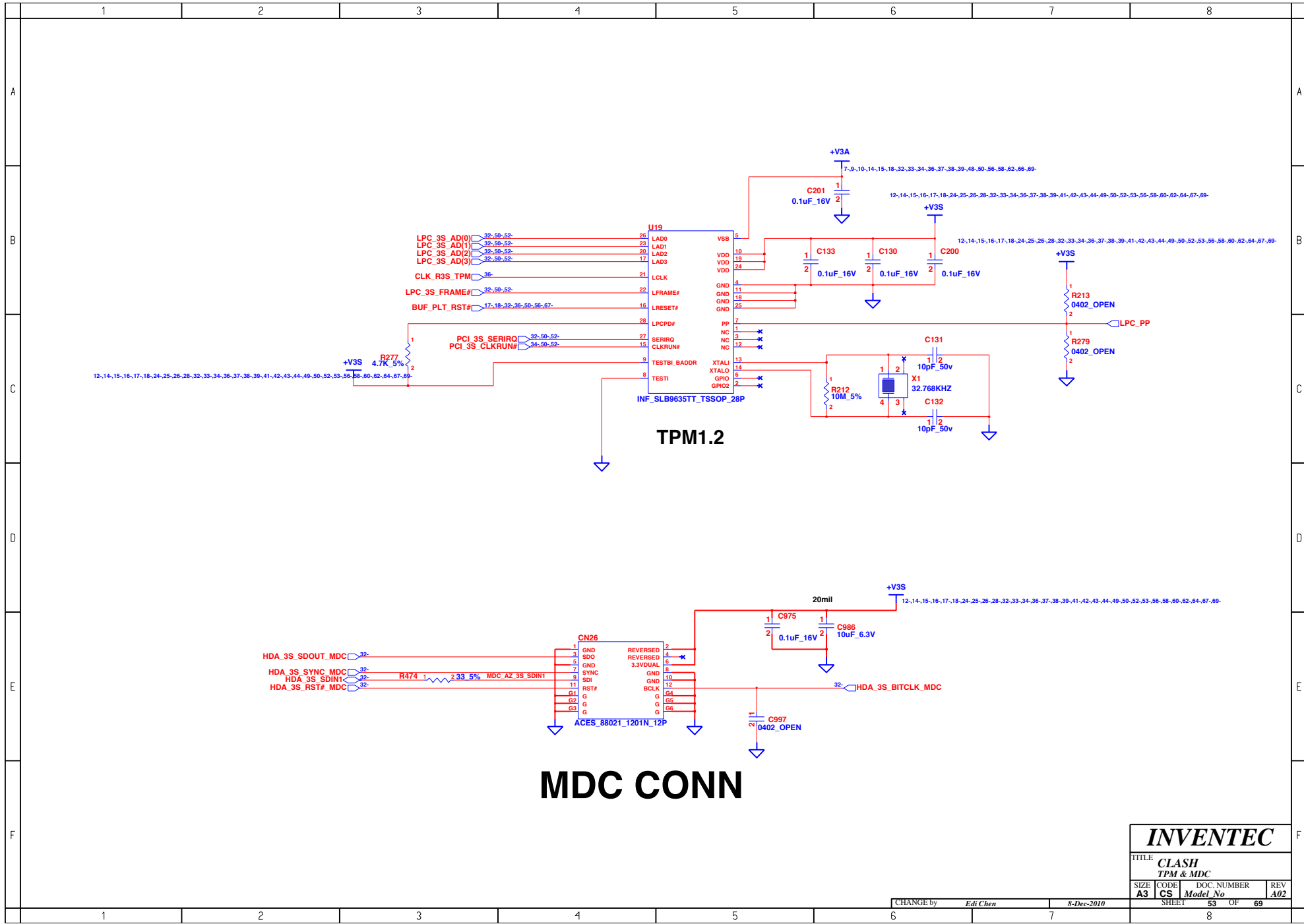




INVENTEC

TITLE CLASH SUPER I/O			
SIZE A3	CODE CS	DOC. NUMBER <i>Model No</i>	REV A02
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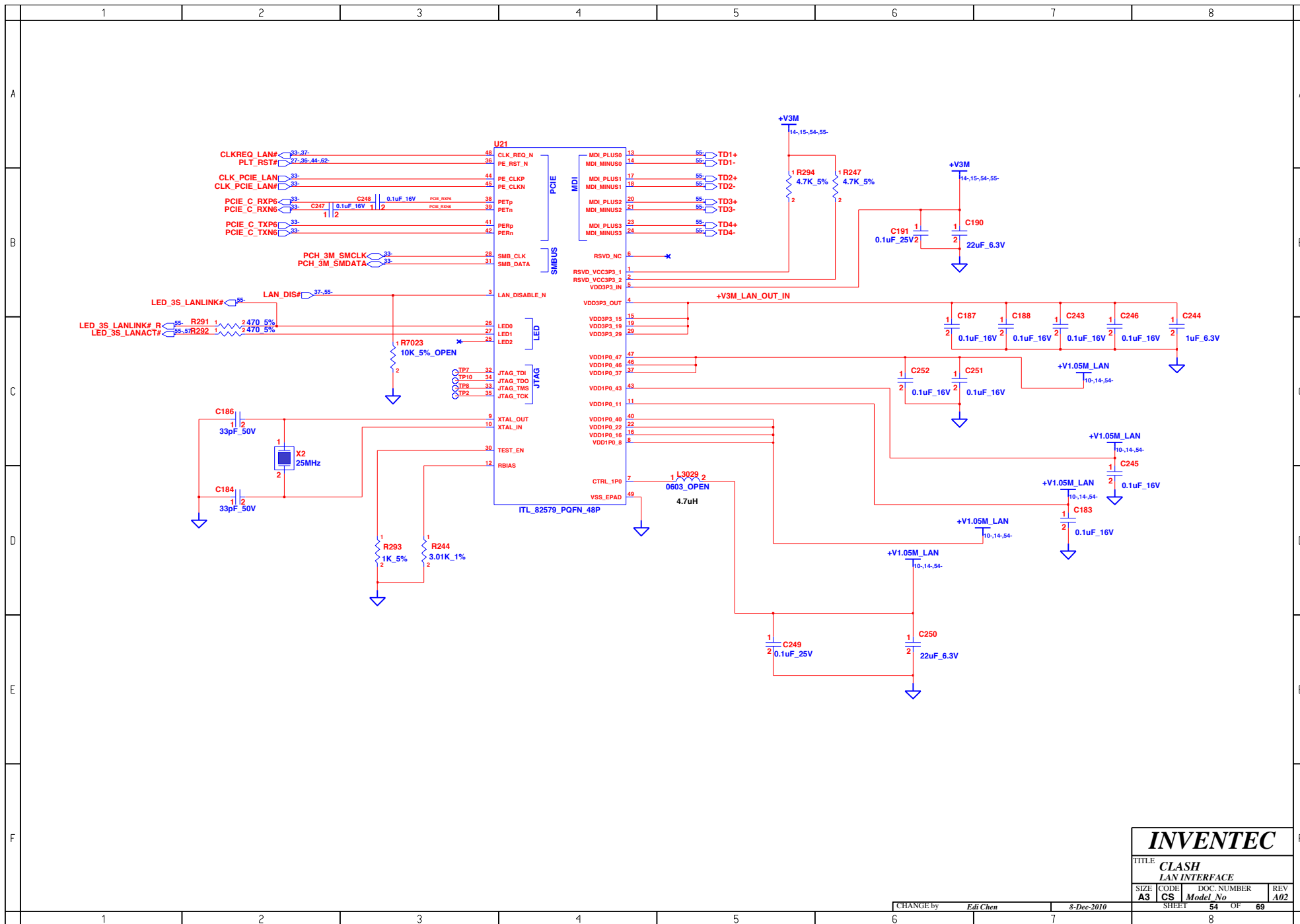
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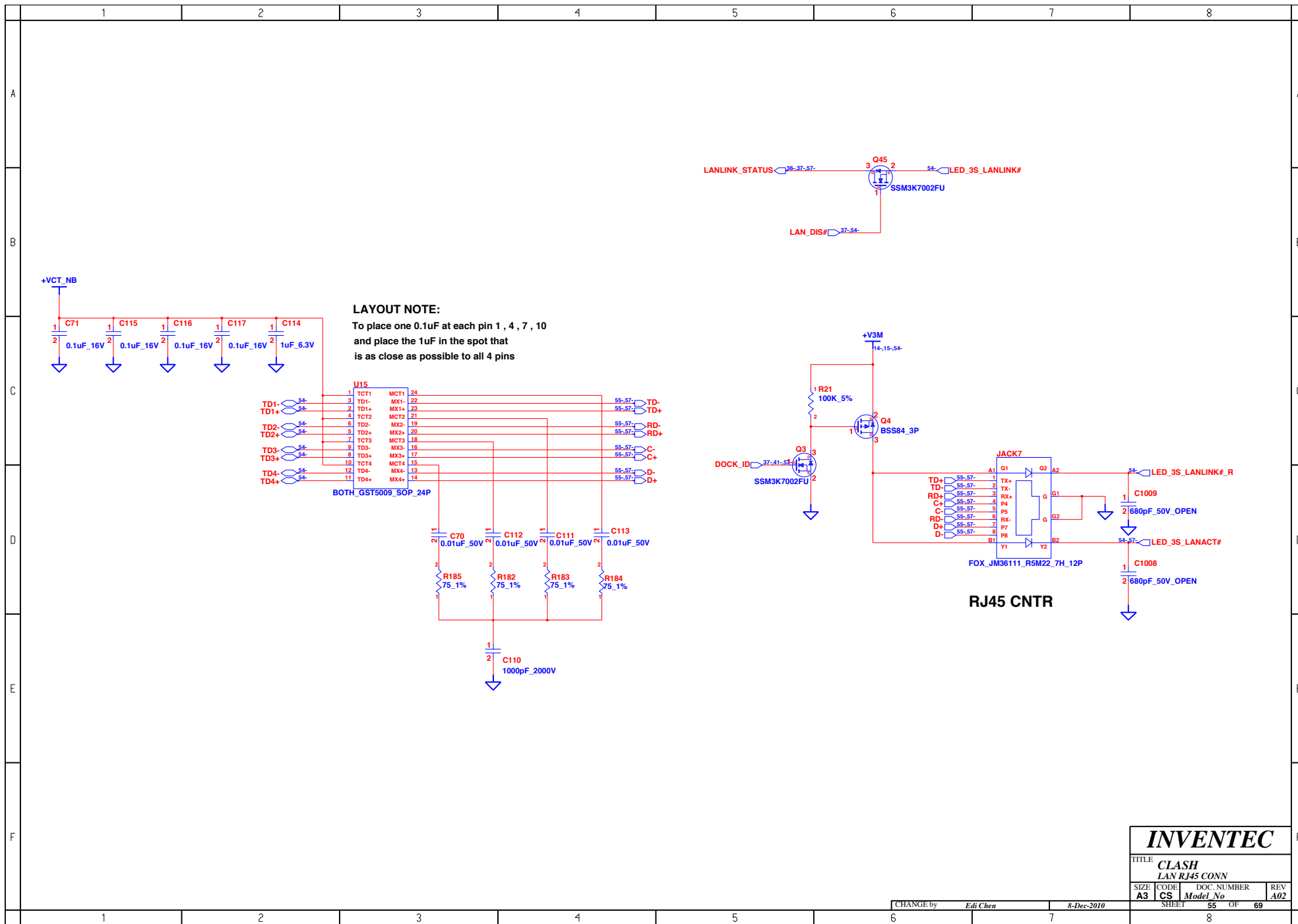


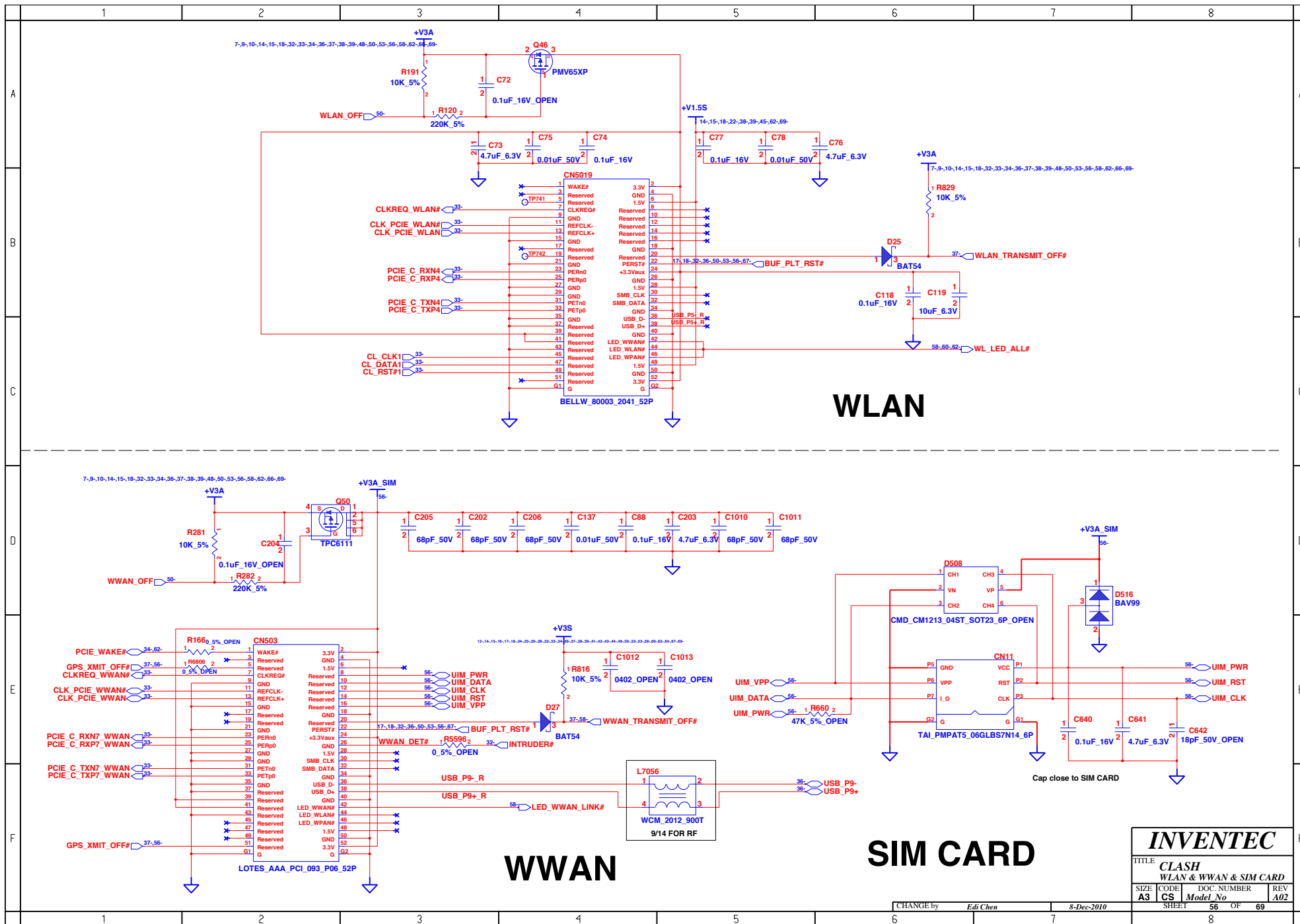
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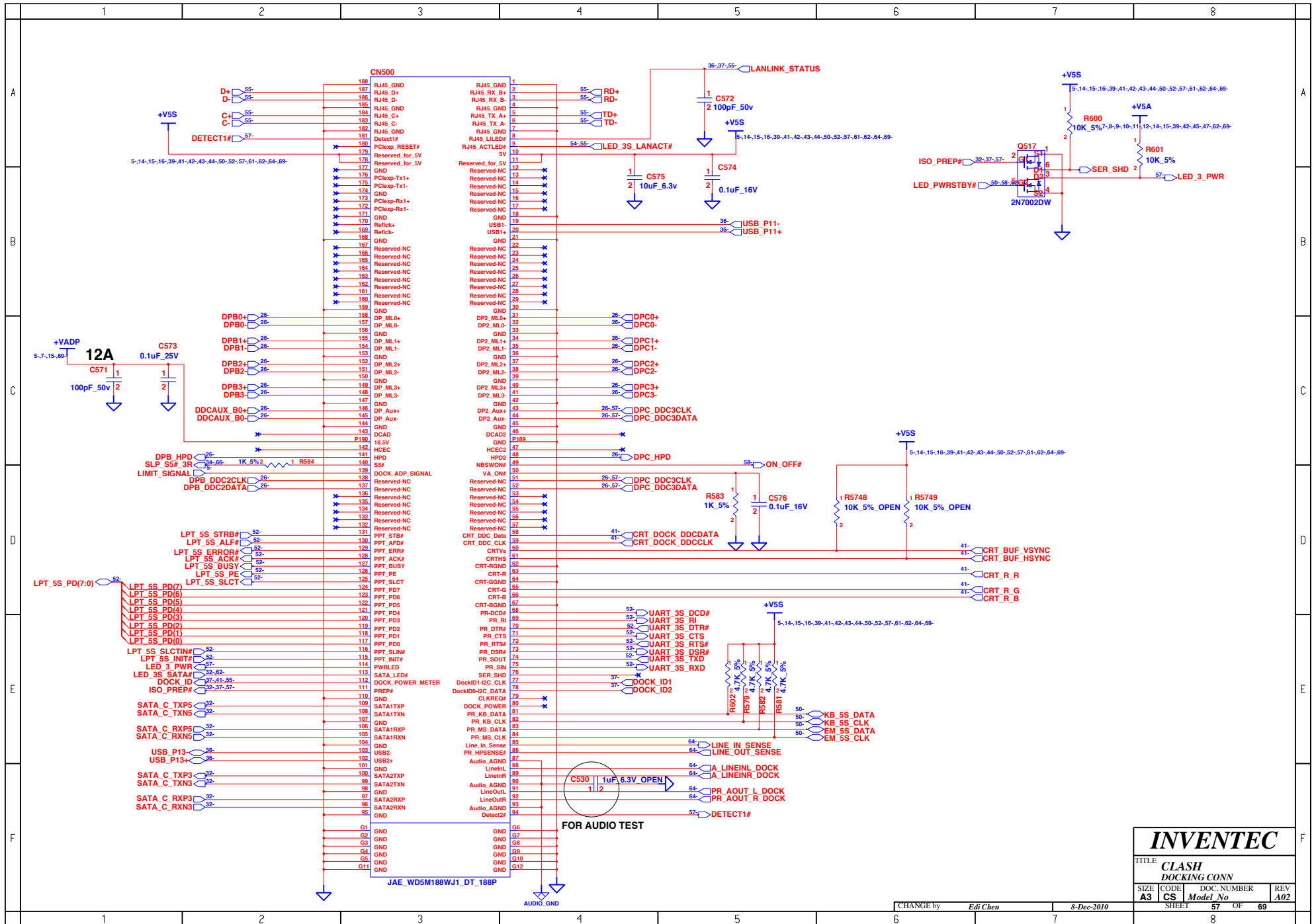
TITLE			
CLASH			
TPM & MDC			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	A02
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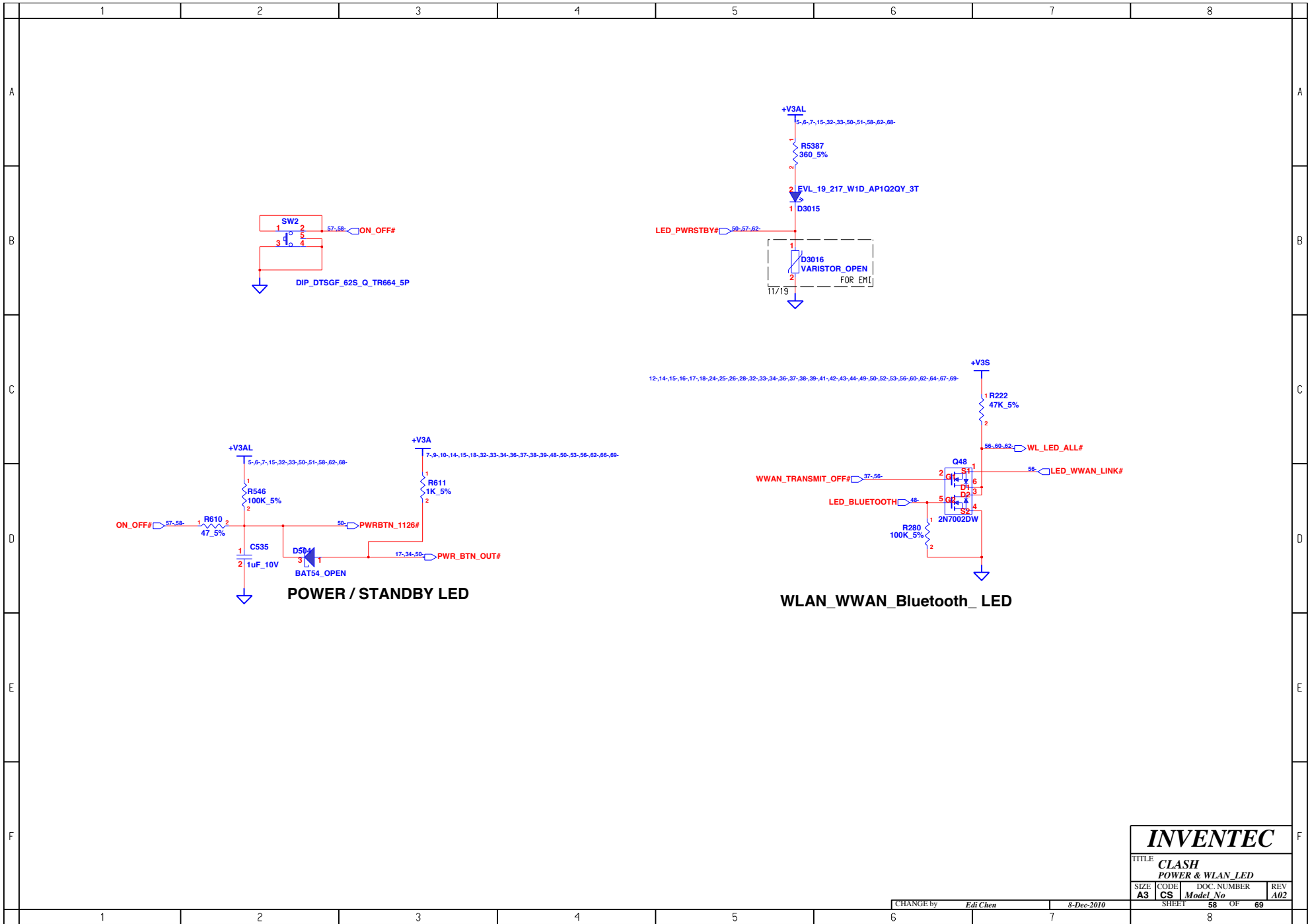
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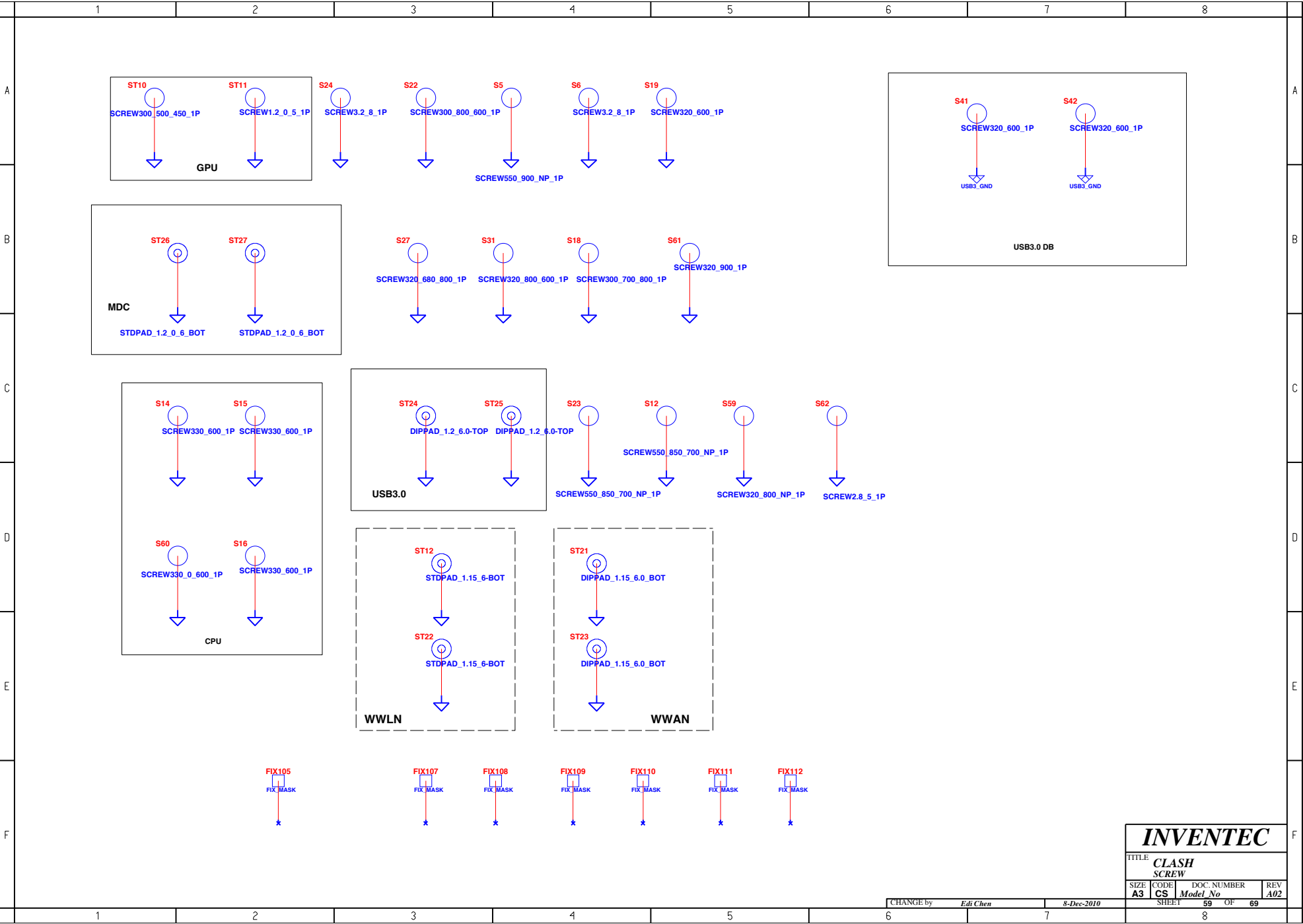


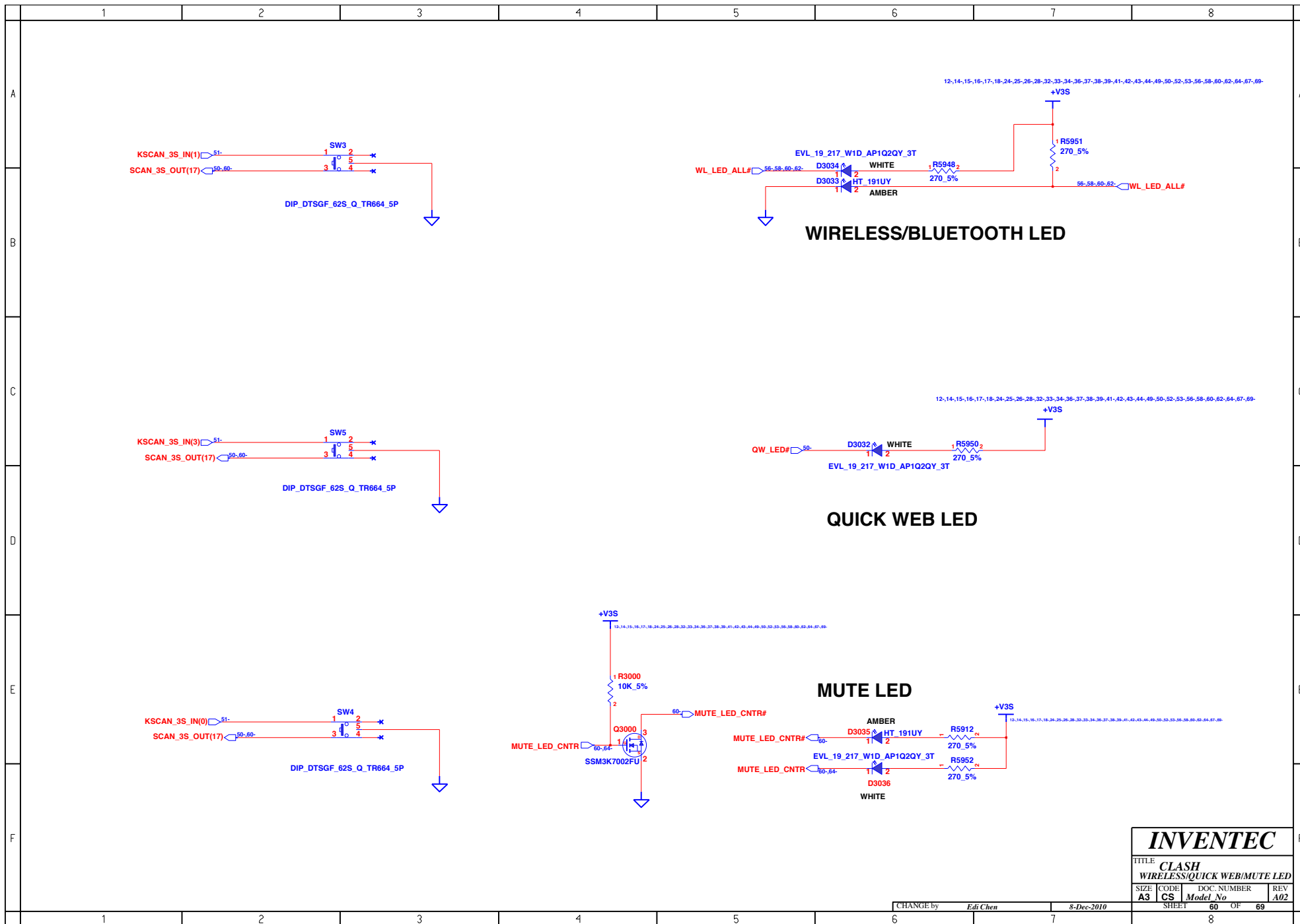




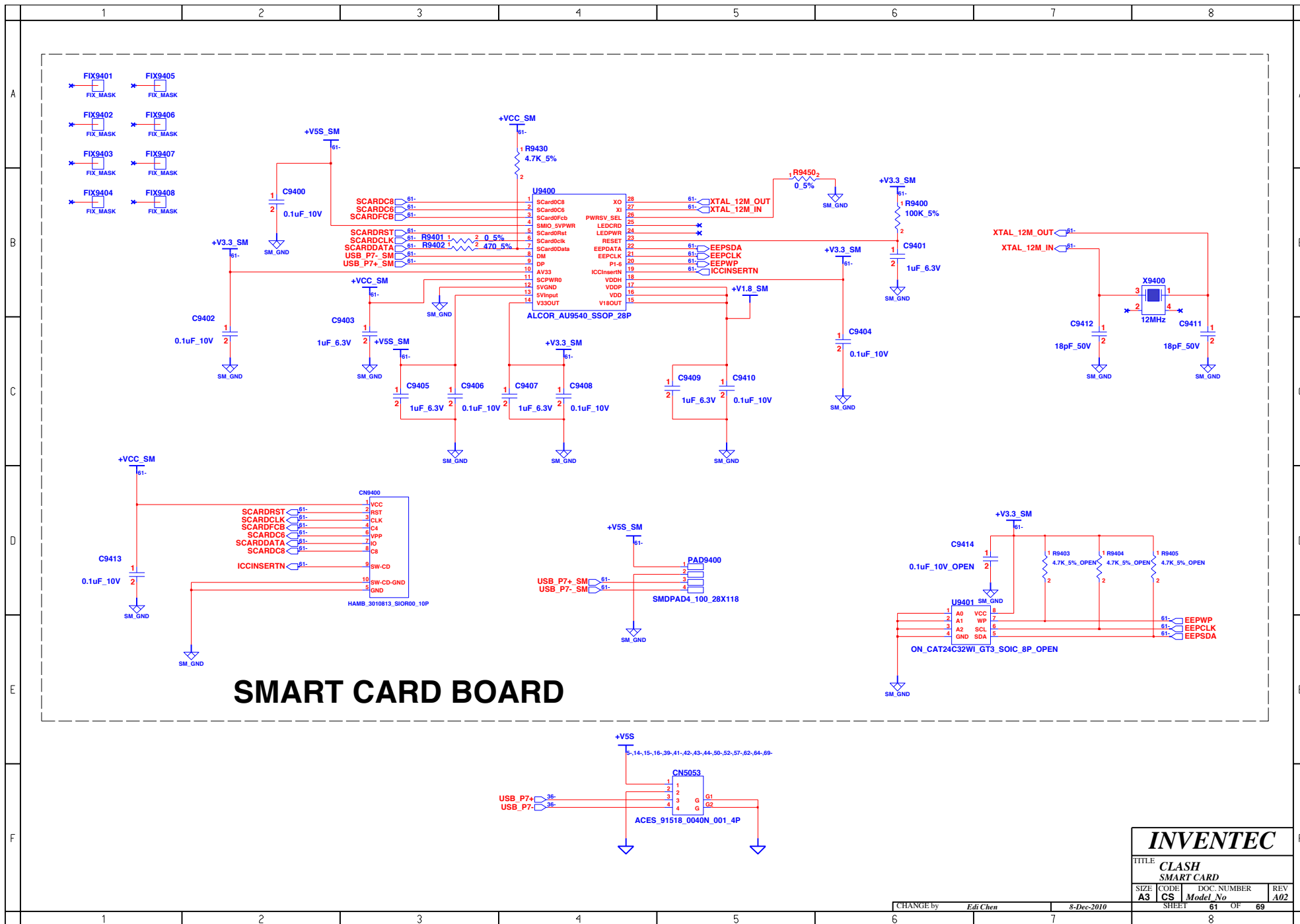


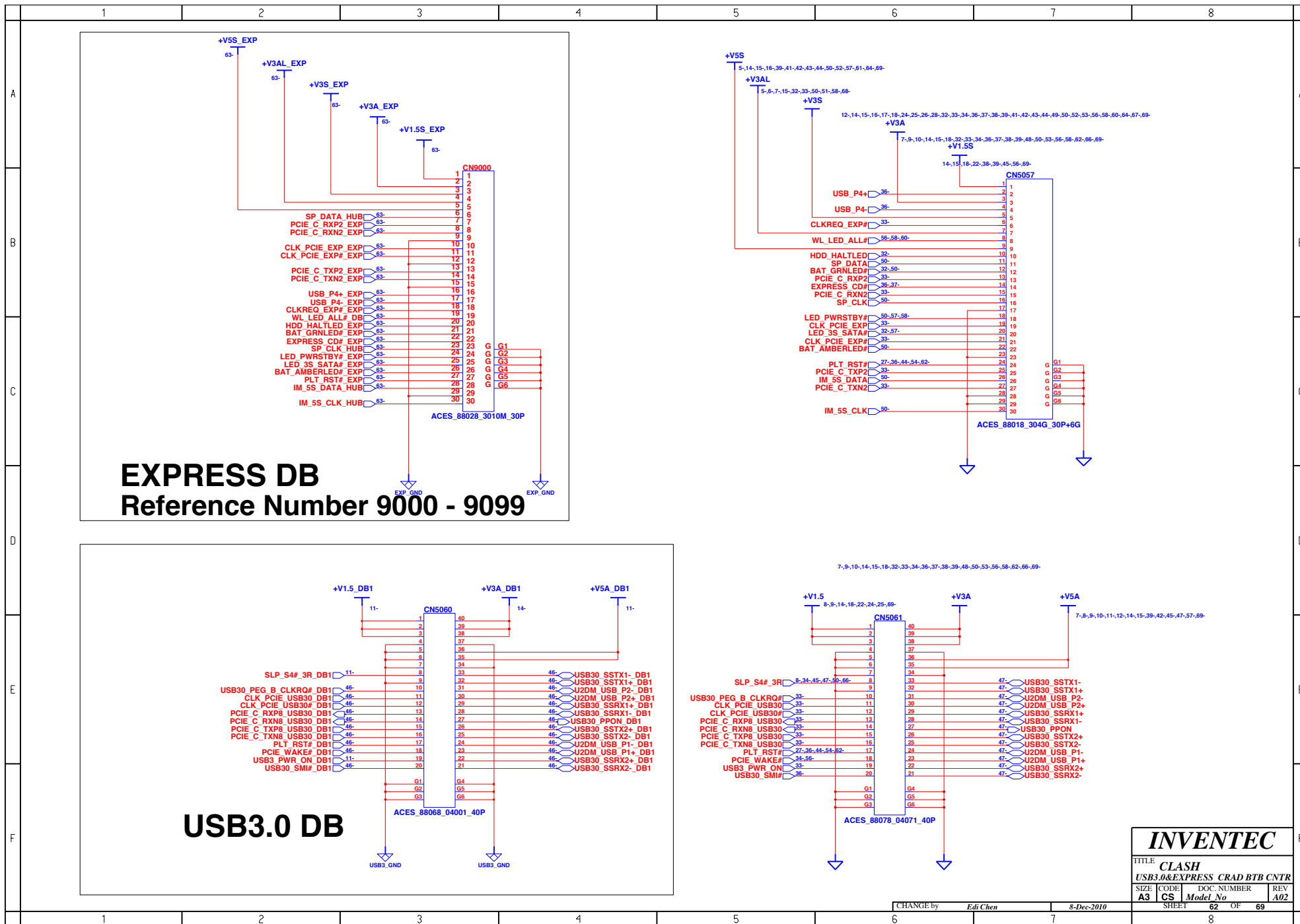






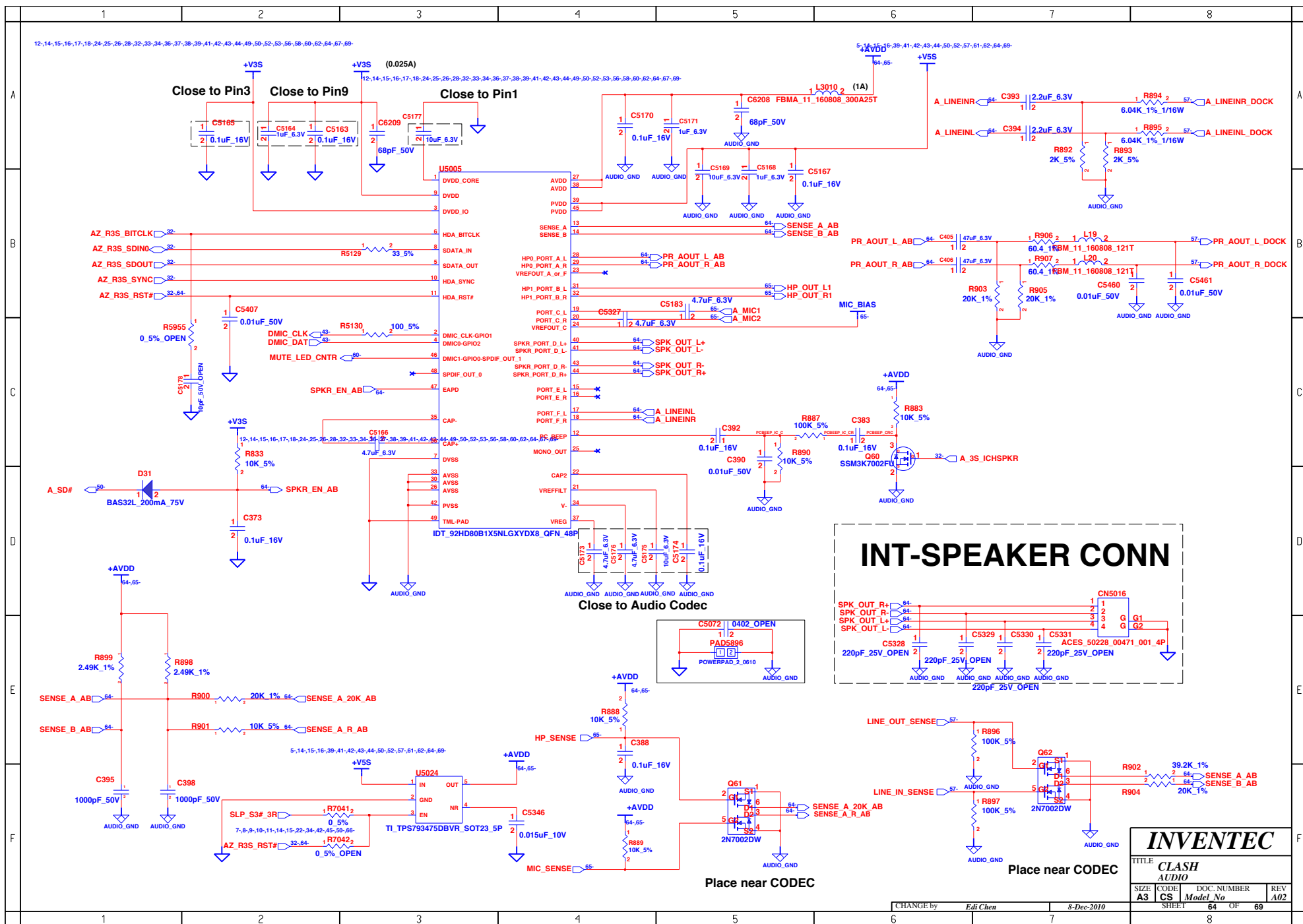
INVENTEC			
TITLE: CLASH			
WIRELESS/QUICK WEB/MUTE LED			
SIZE: A3	CODE: CS	DOC. NUMBER: Model No	REV: A02
CHANGE by: Edi Chen		8-Dec-2010	
SHEET		60 OF 69	

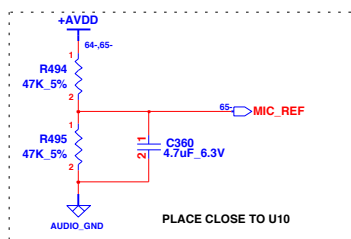
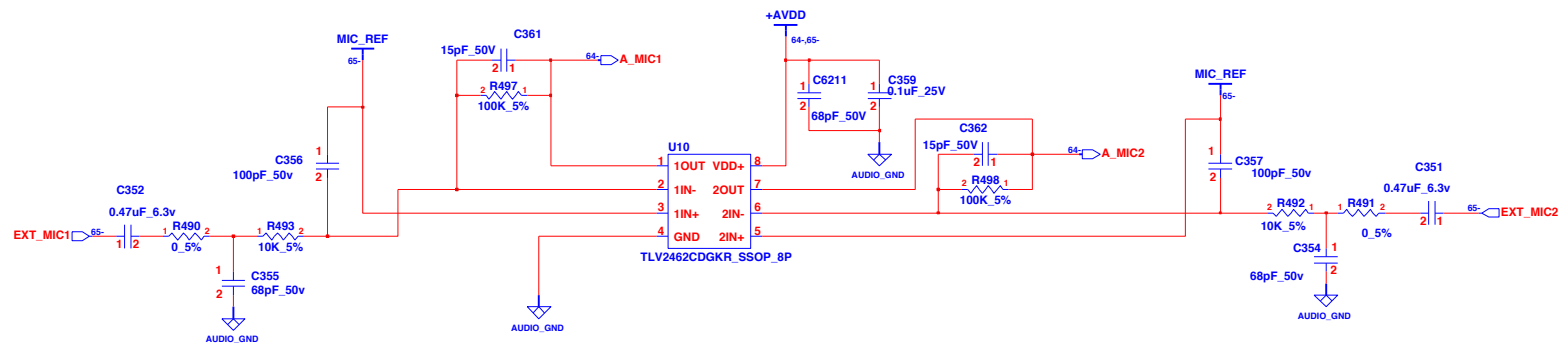




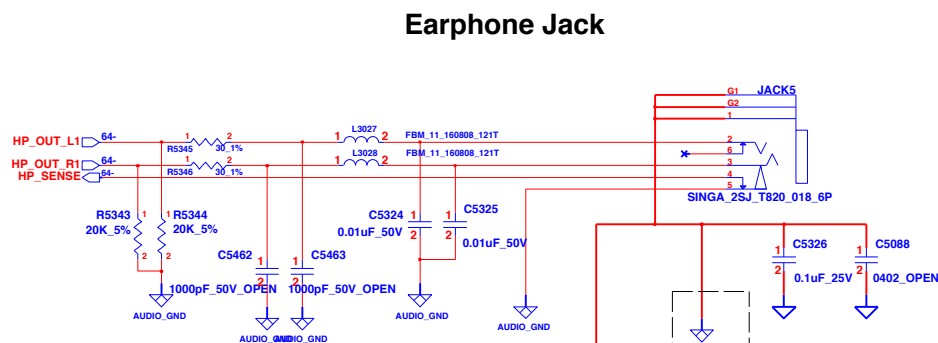
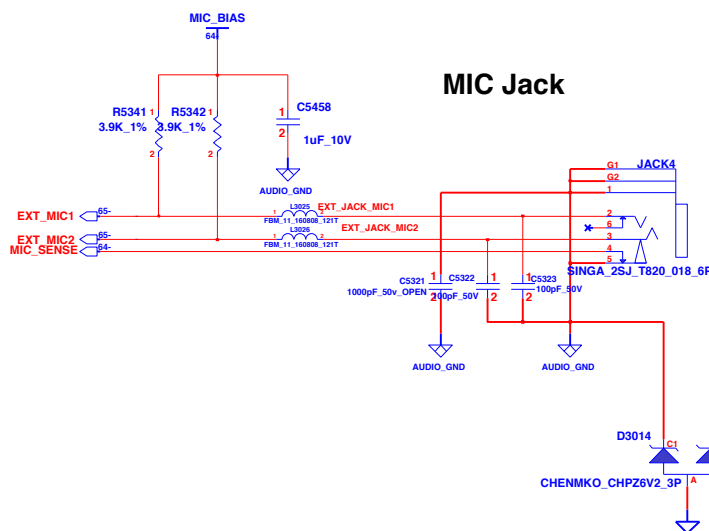
INVENTEC			
TITLE			
CLASH			
USB3.0&EXPRESS CRAD BTB CNTR			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	A02
SHEET		62	OF 69

CHANGE by *Edi Chen* 8-Dec-2010





EXT. MIC

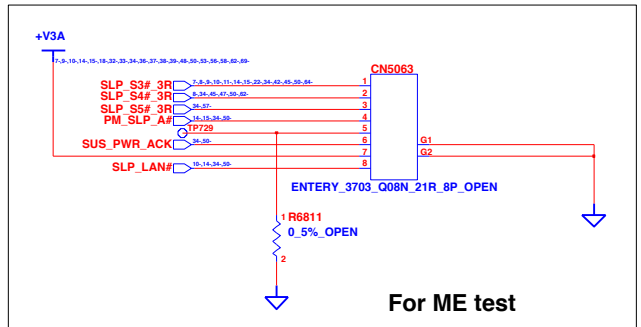
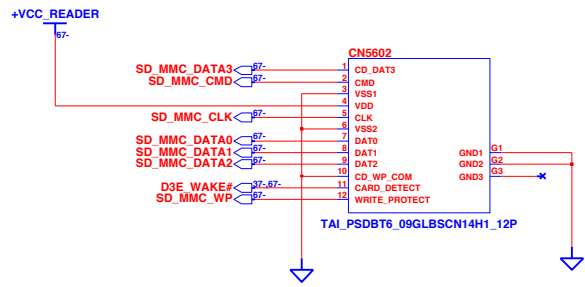
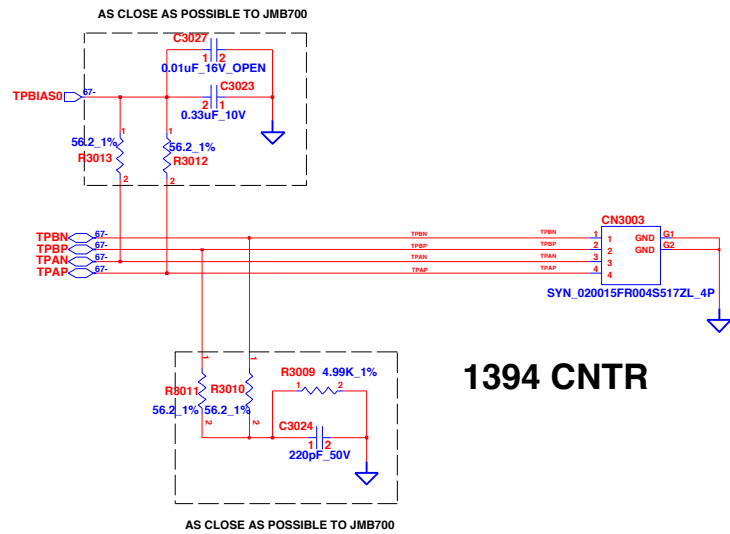


Use min 20 mils wide trace to JACK pin1

INVENTEC

TITLE CLASH EXT MIC/MIC/HP			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV A02
SHEET 65		OF 69	

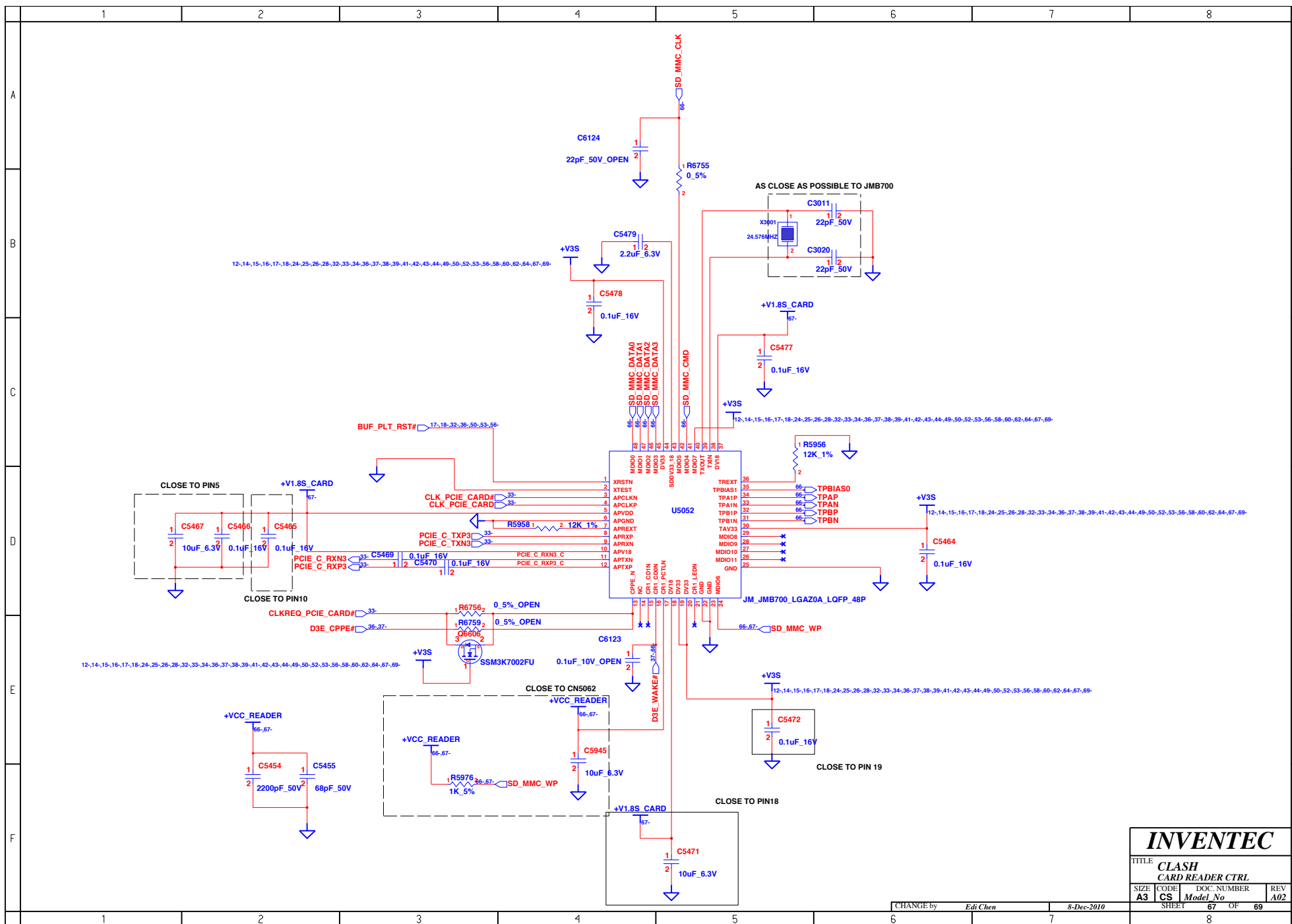
CHANGE by *Edi Chen* 8-Dec-2010

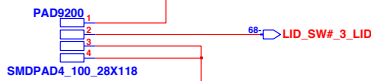


INVENTEC

TITLE CLASH 1394 CONN			
SIZE A3	CODE CS	DOC. NUMBER <i>Model No</i>	REV A02
SHEET 66		OF 69	

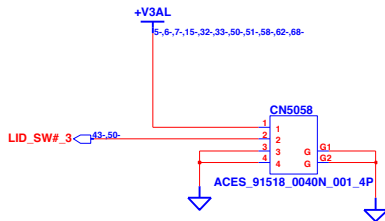
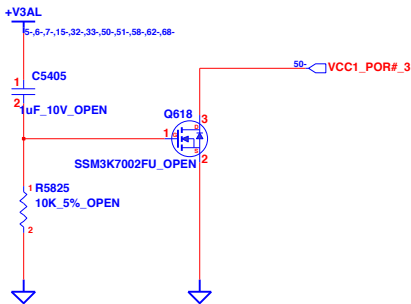
CHANGE by *Edi Chen* 8-Dec-2010





LID SWITCH DB

Reference Number 9200 - 9299



CLOSE TO KBC

