

(15")

Villemont 2010

Montevina (Intel-Discrete)

DDR3-MV Build (A01)

2010.03.02

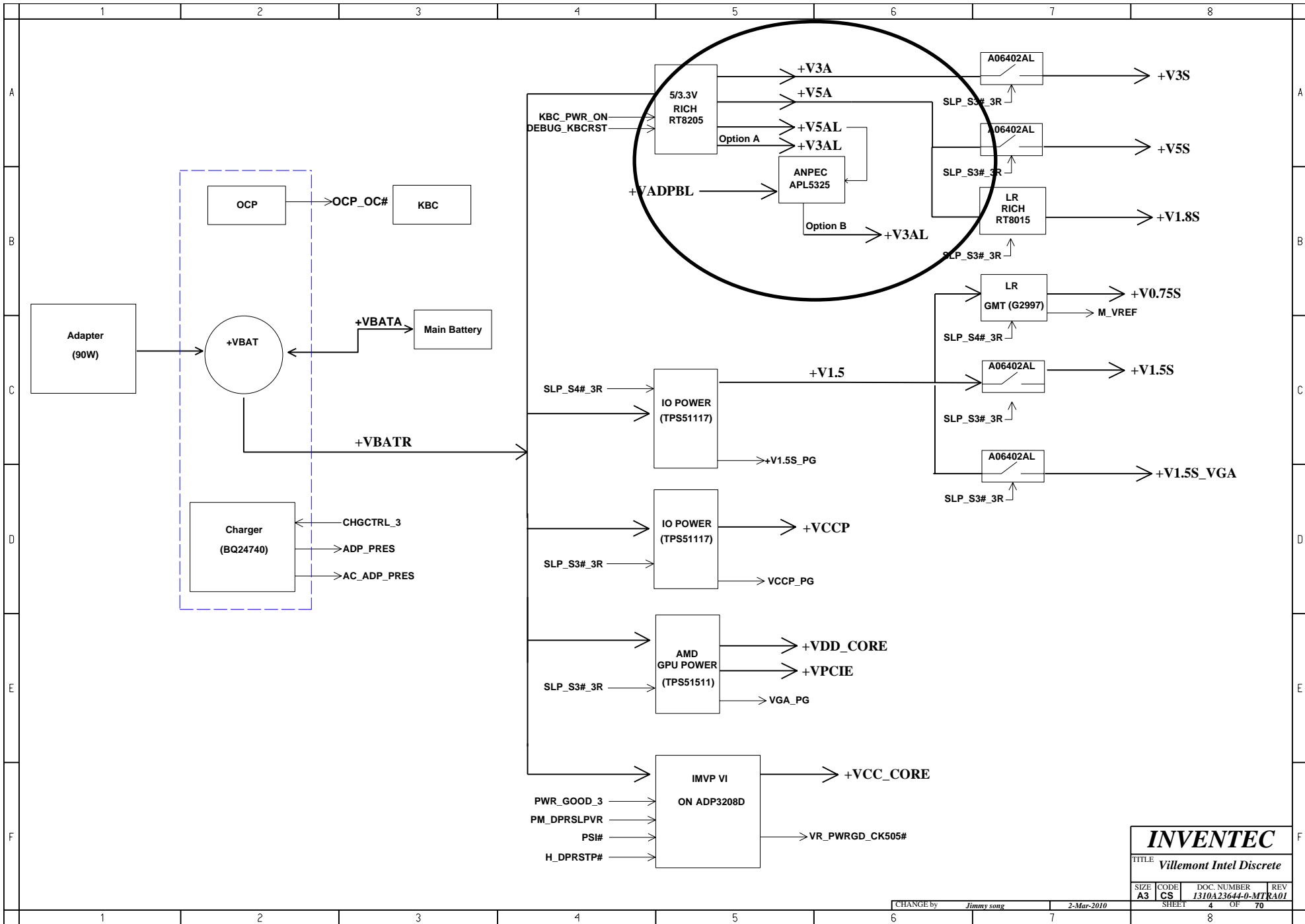
DATE	CHANGE NO.	REV

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RESPONSIBLE								
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FILE NAME :	XXXX XXXXXX-XX				SHEET	1	OF	70
P/N	XXXXXXXXXXXX							

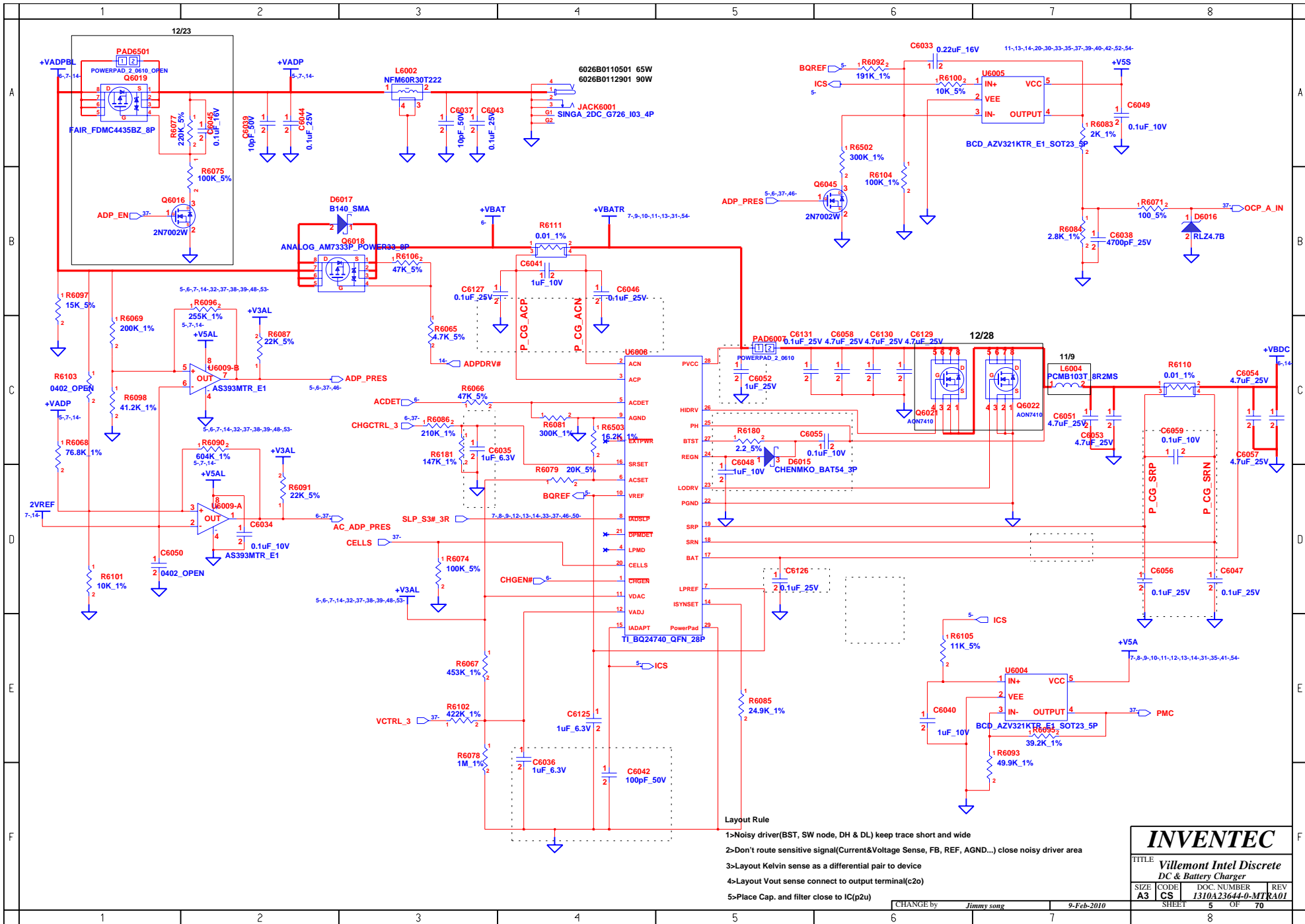
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INVENTEC			
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SIZE A3	CODE CS	DOC NUMBER <i>1310A23644-0-MTR</i>	REV A01
CHANGE by <i>Jimmy song</i>		9-Feb-2010	
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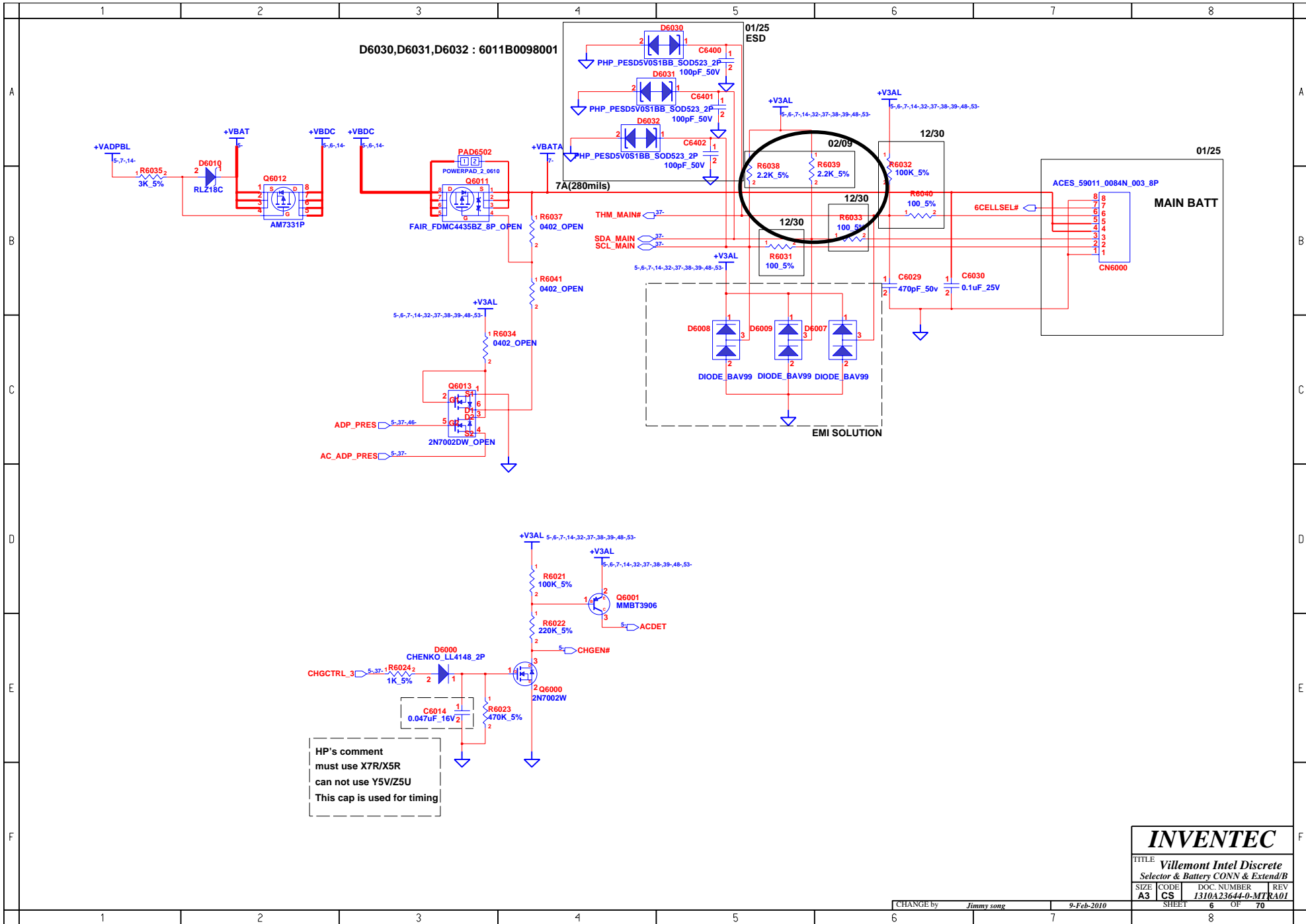


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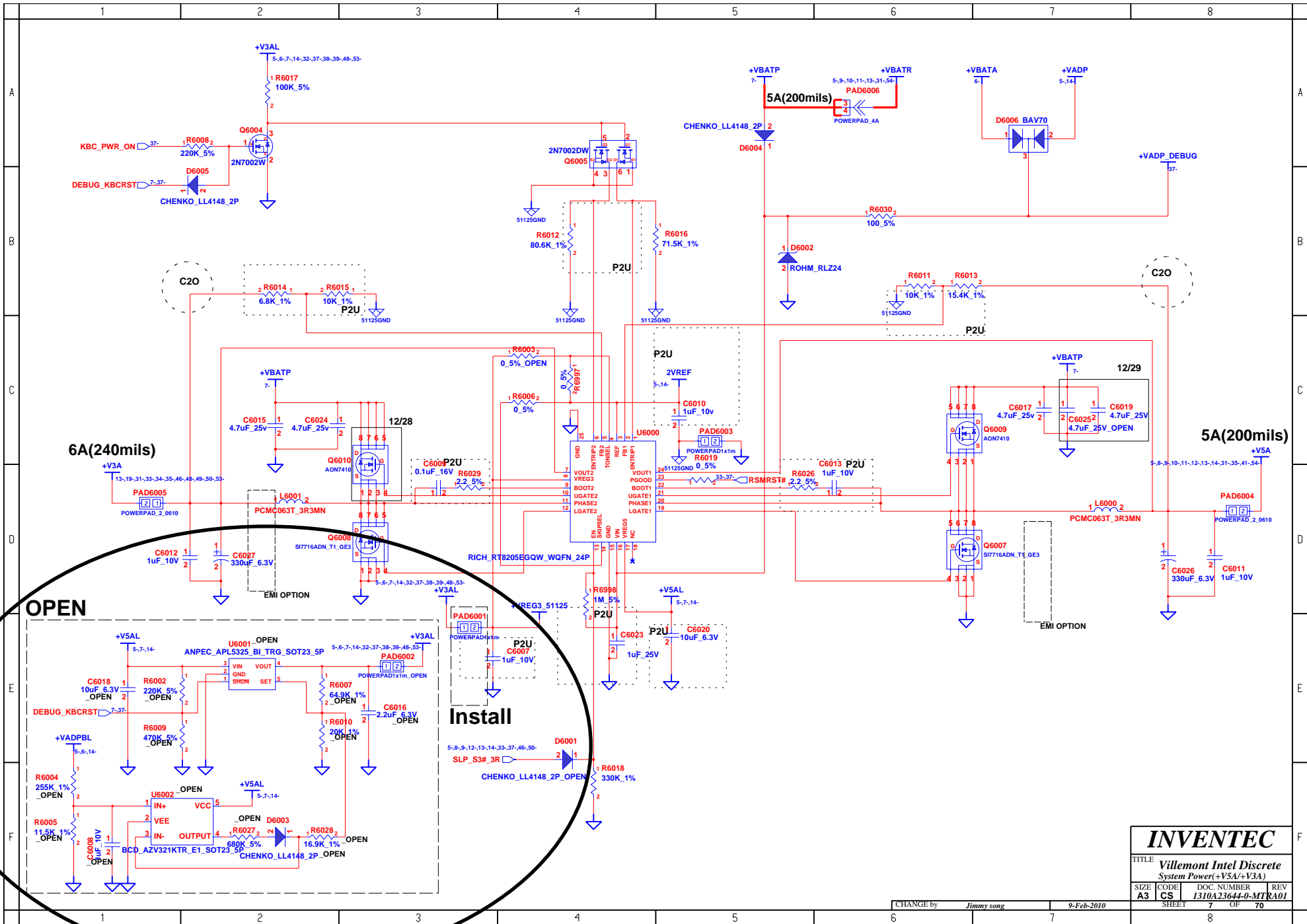


- Layout Rule
- 1>Noisy driver(BST, SW node, DH & DL) keep trace short and wide
 - 2>Don't route sensitive signal(Current&Voltage Sense, FB, REF, AGND...) close noisy driver area
 - 3>Layout Kelvin sense as a differential pair to device
 - 4>Layout Vout sense connect to output terminal(c2o)
 - 5>Place Cap. and filter close to IC(p2u)

INVENTEC			
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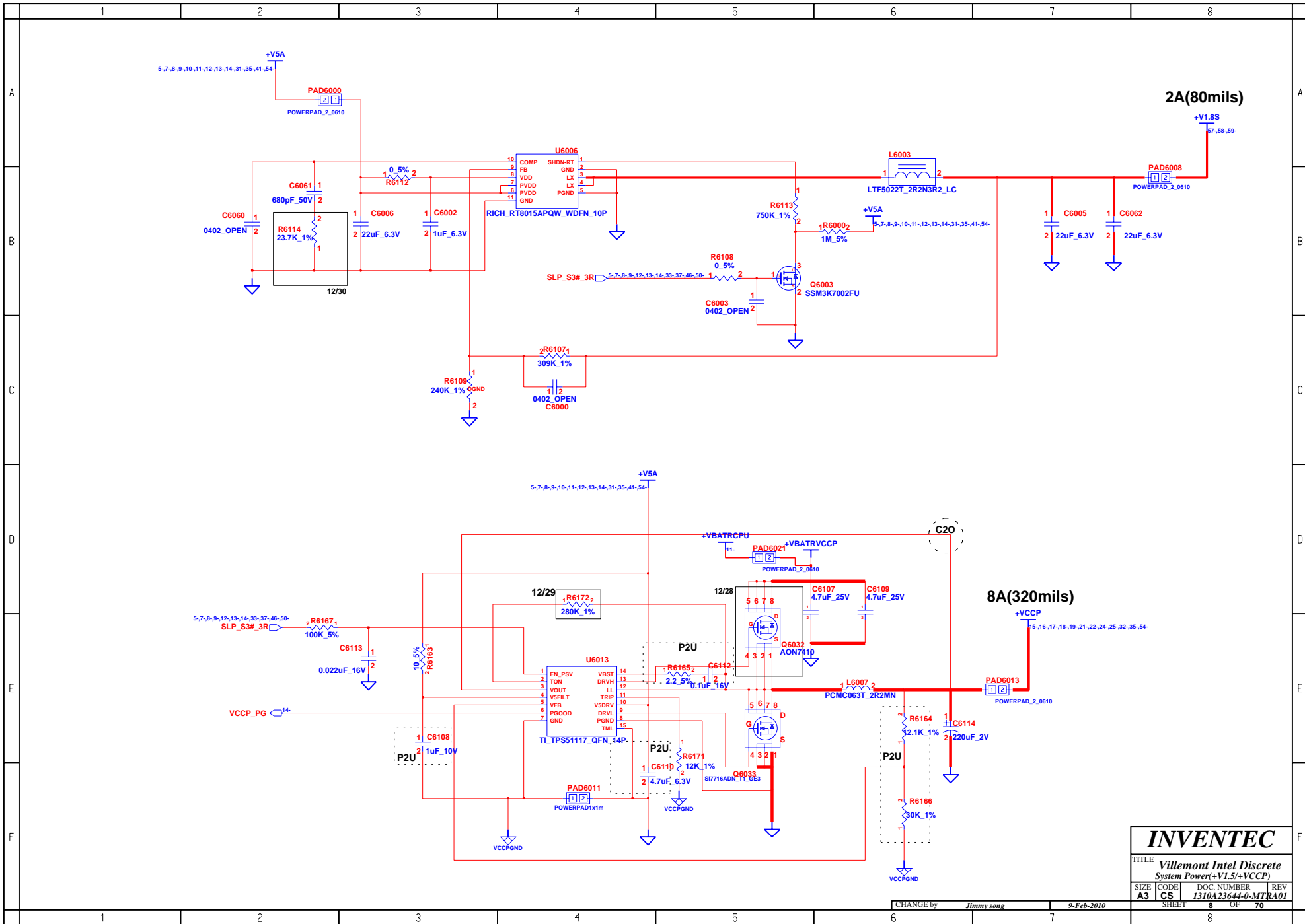


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Selector & Battery CONN & Extend/B			
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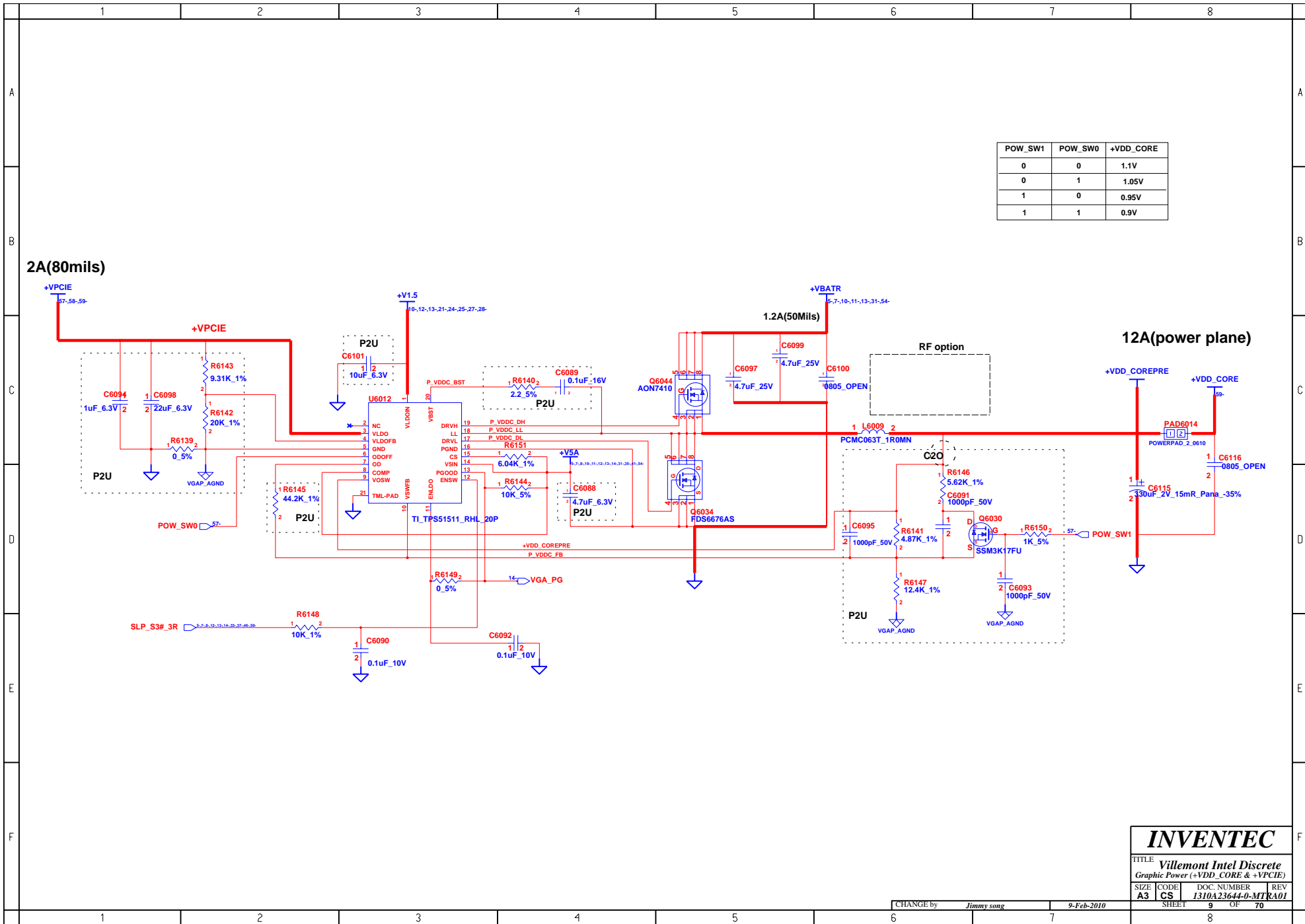
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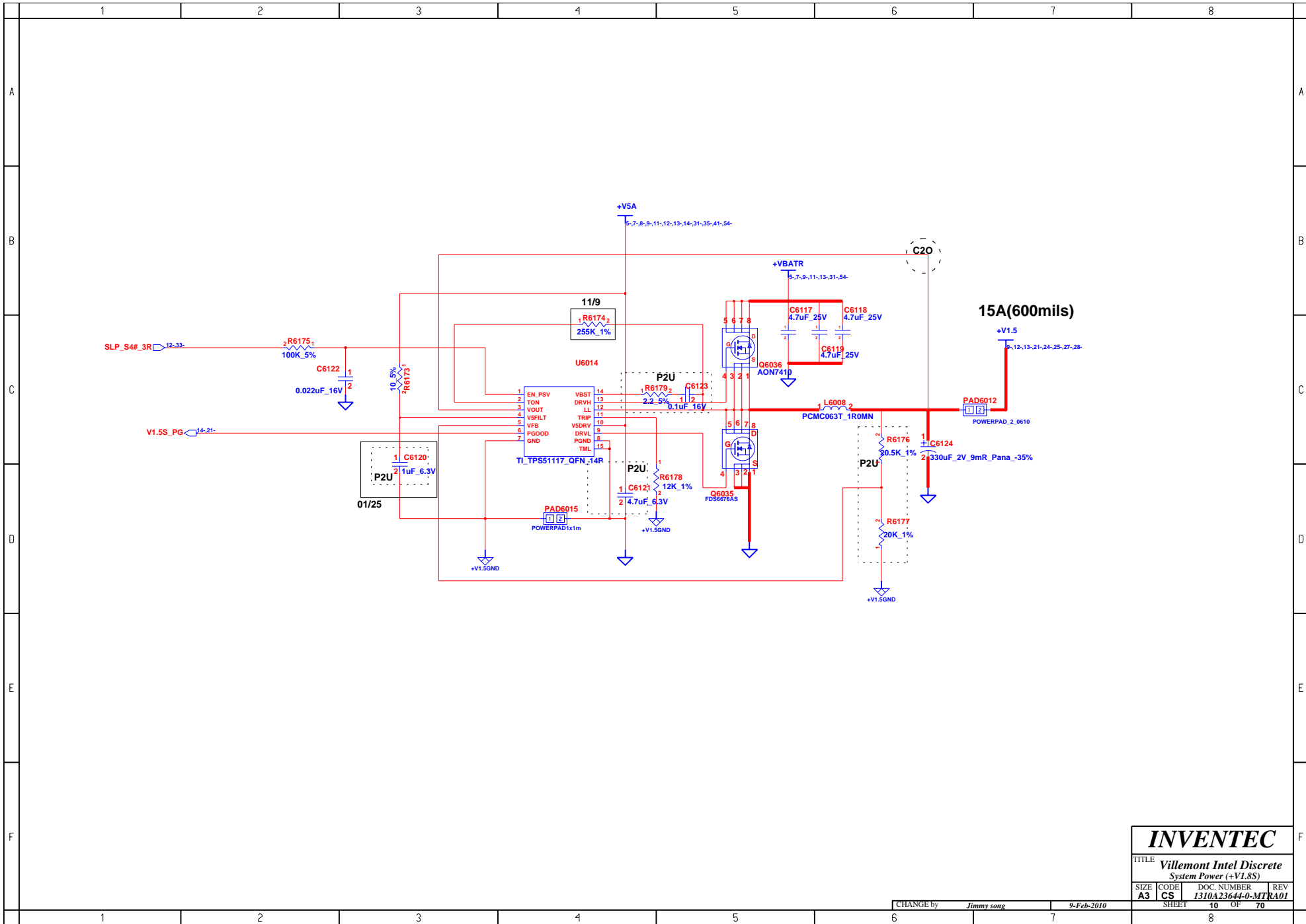
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System Power(+V1.5/+VCCP)			
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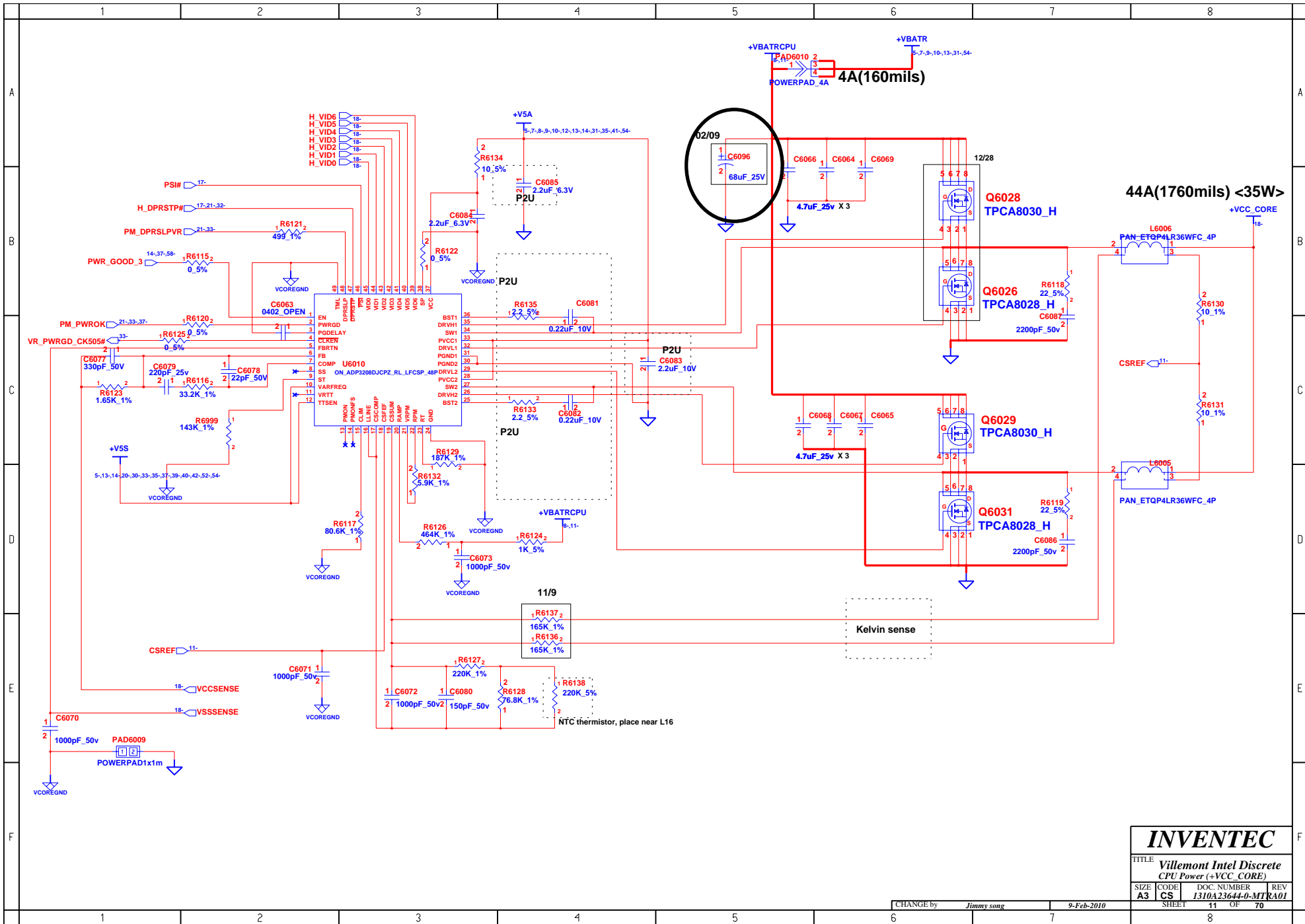
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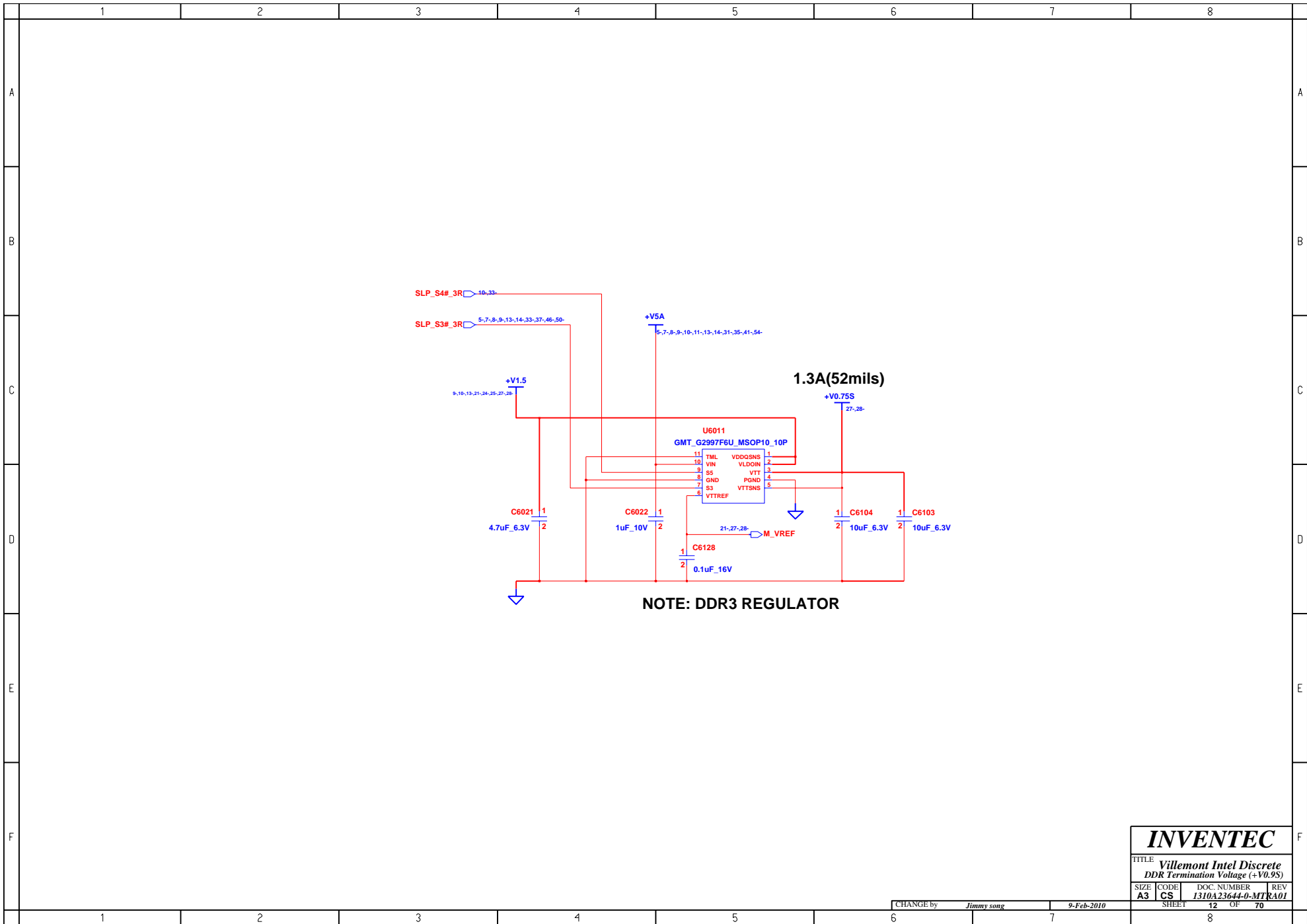
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www.vinafix.vn

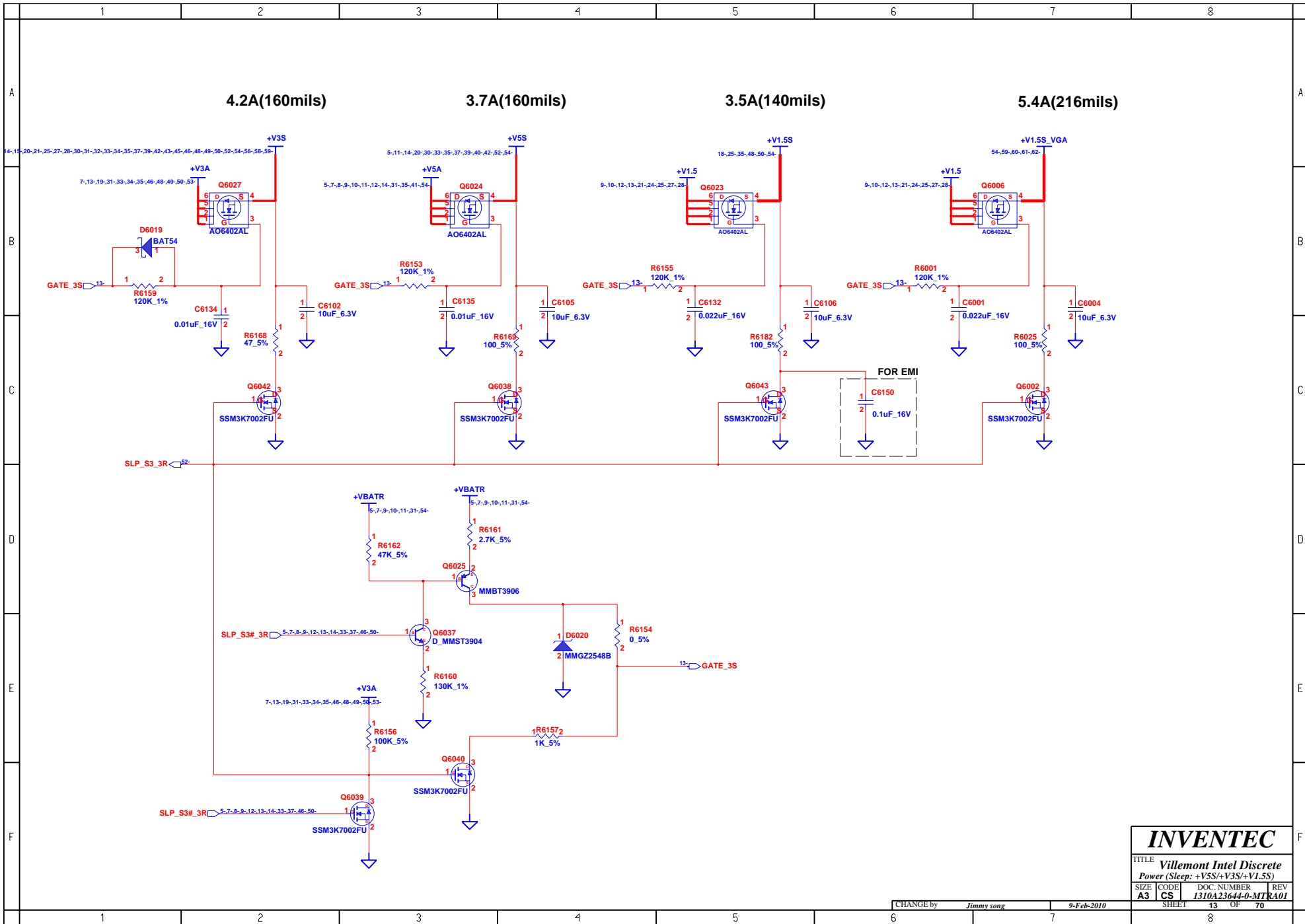


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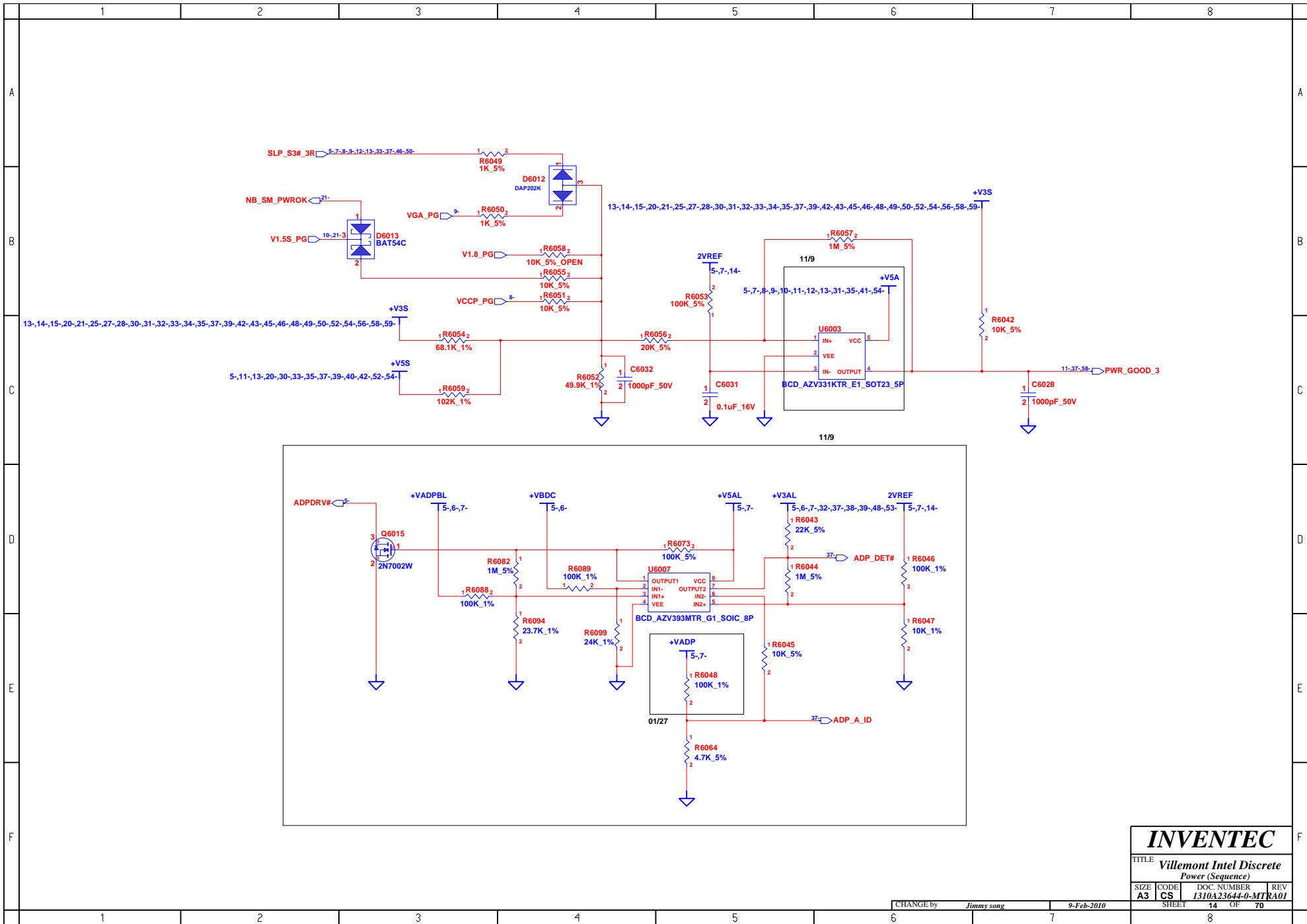
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www.vimafix.vn



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DDR Termination Voltage (+V0.9S)			
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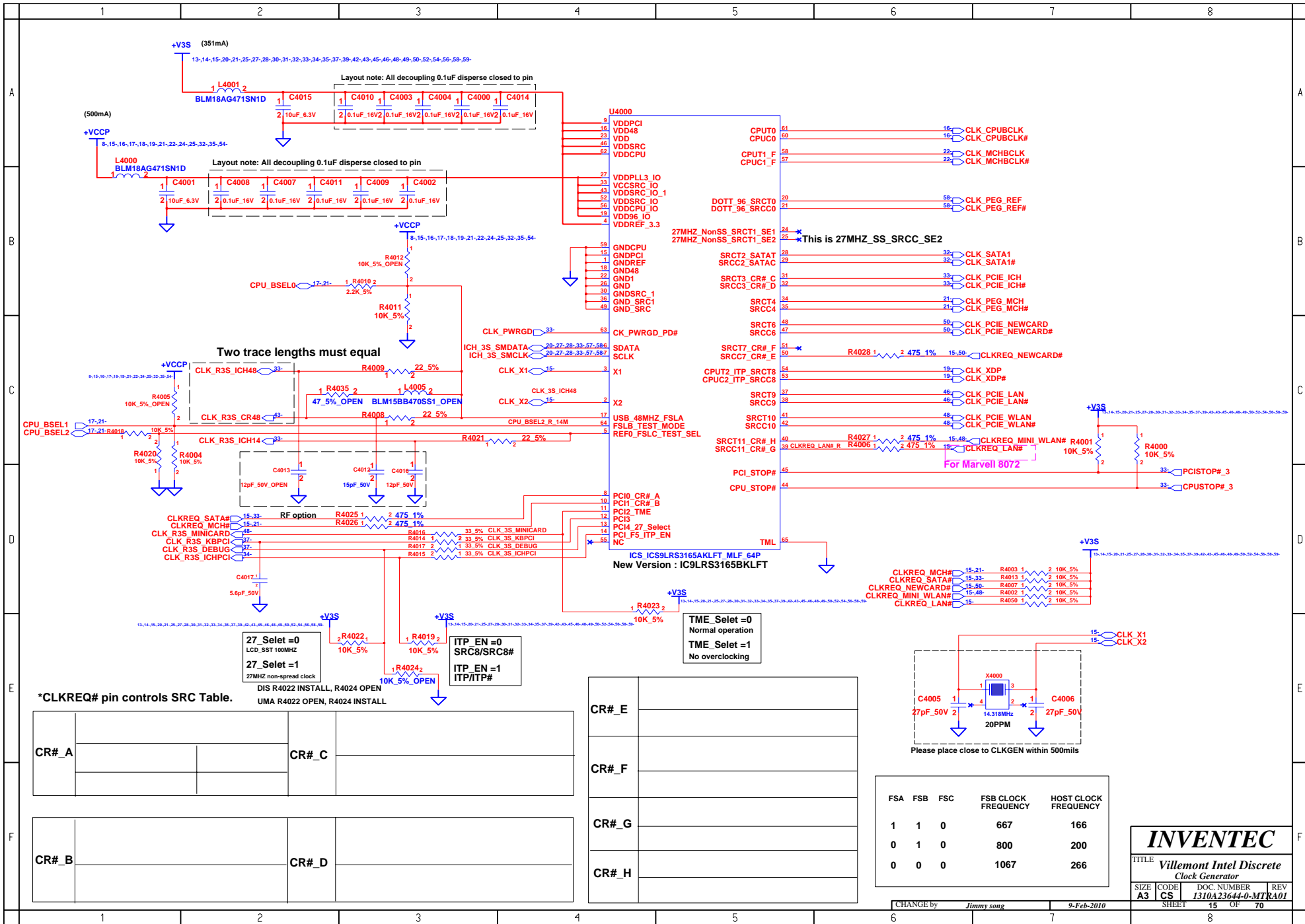


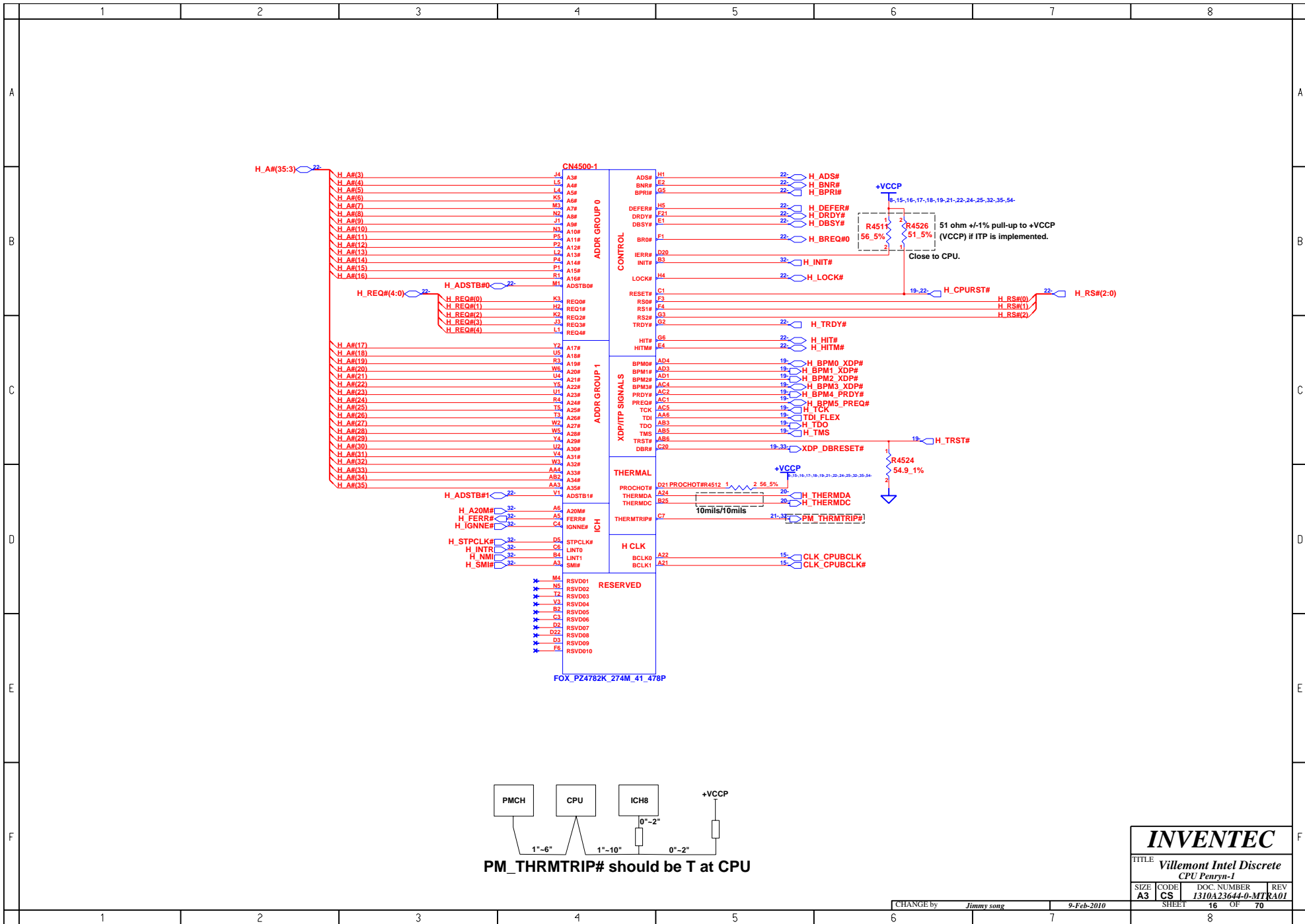
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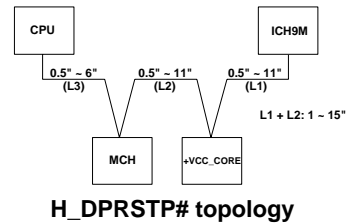
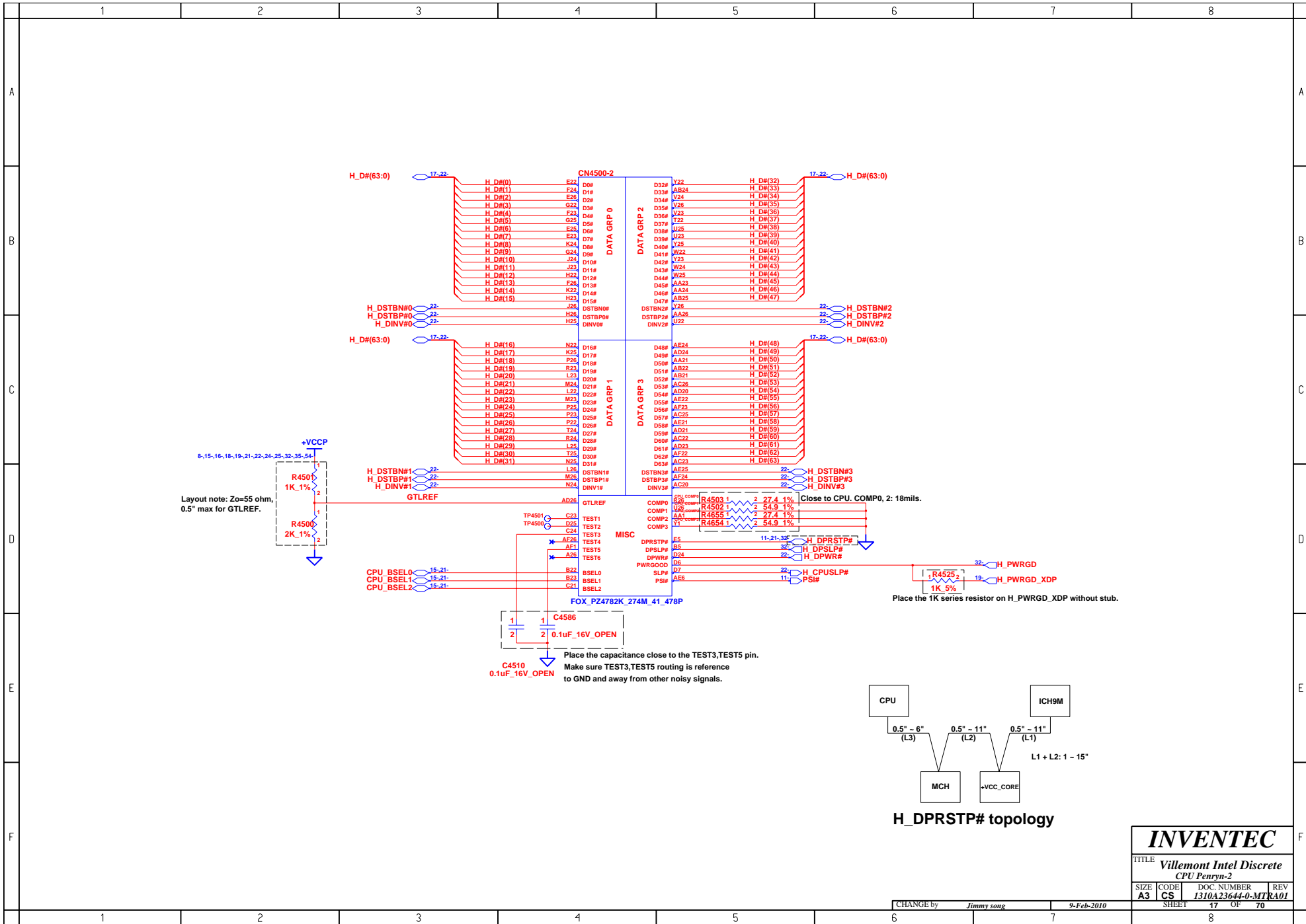
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<http://sualaptop365.edu.vn/mafix.vn>

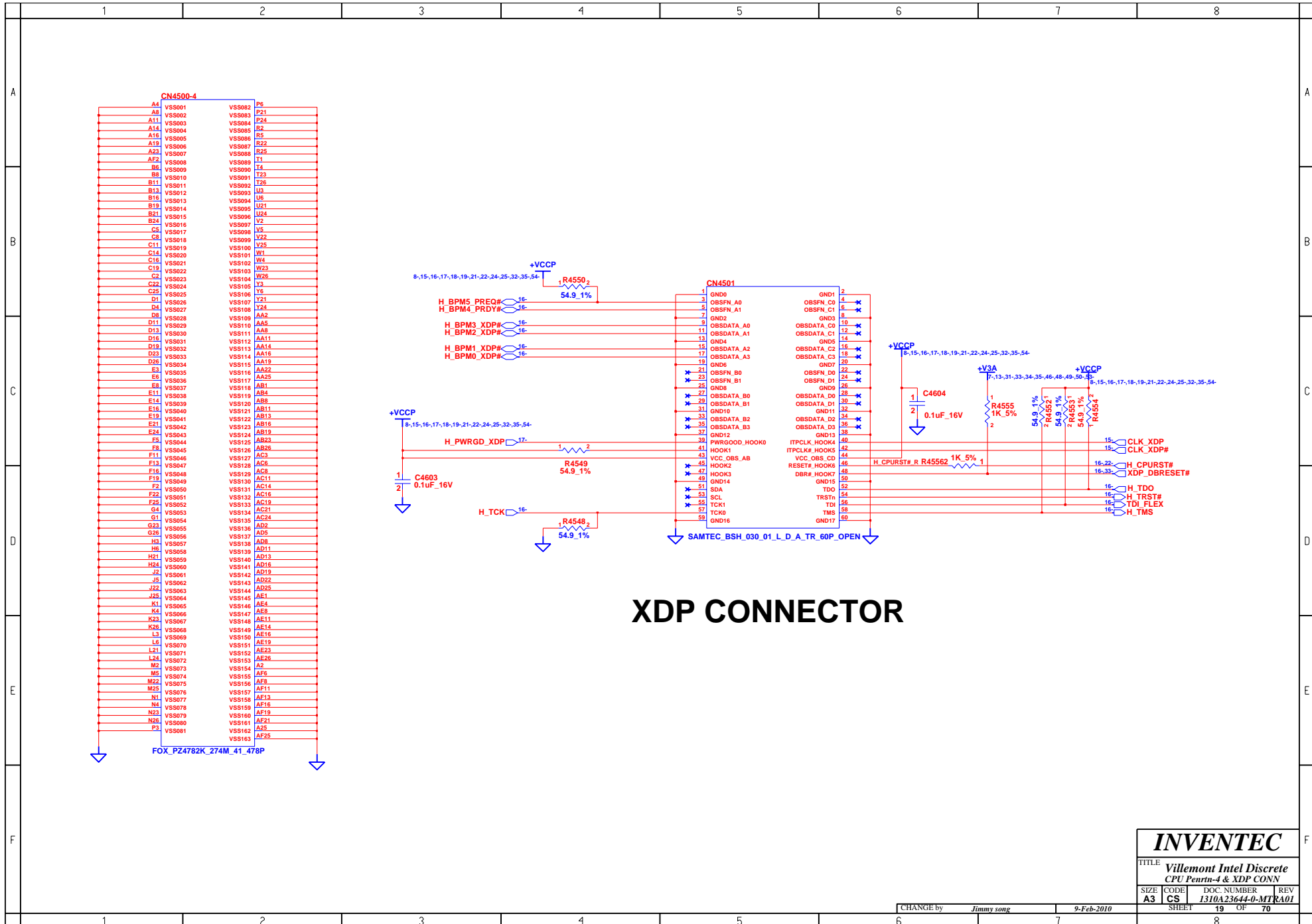




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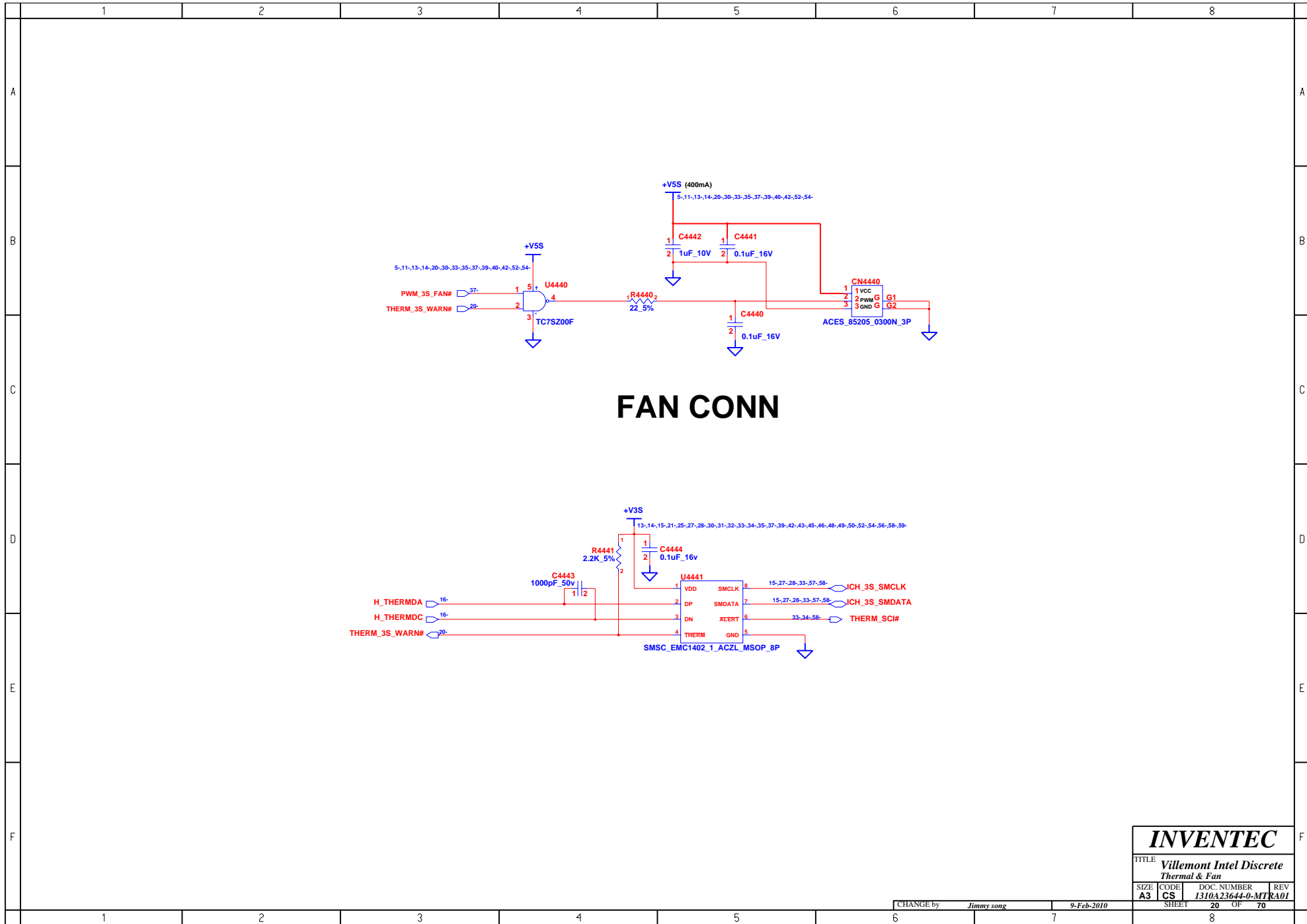


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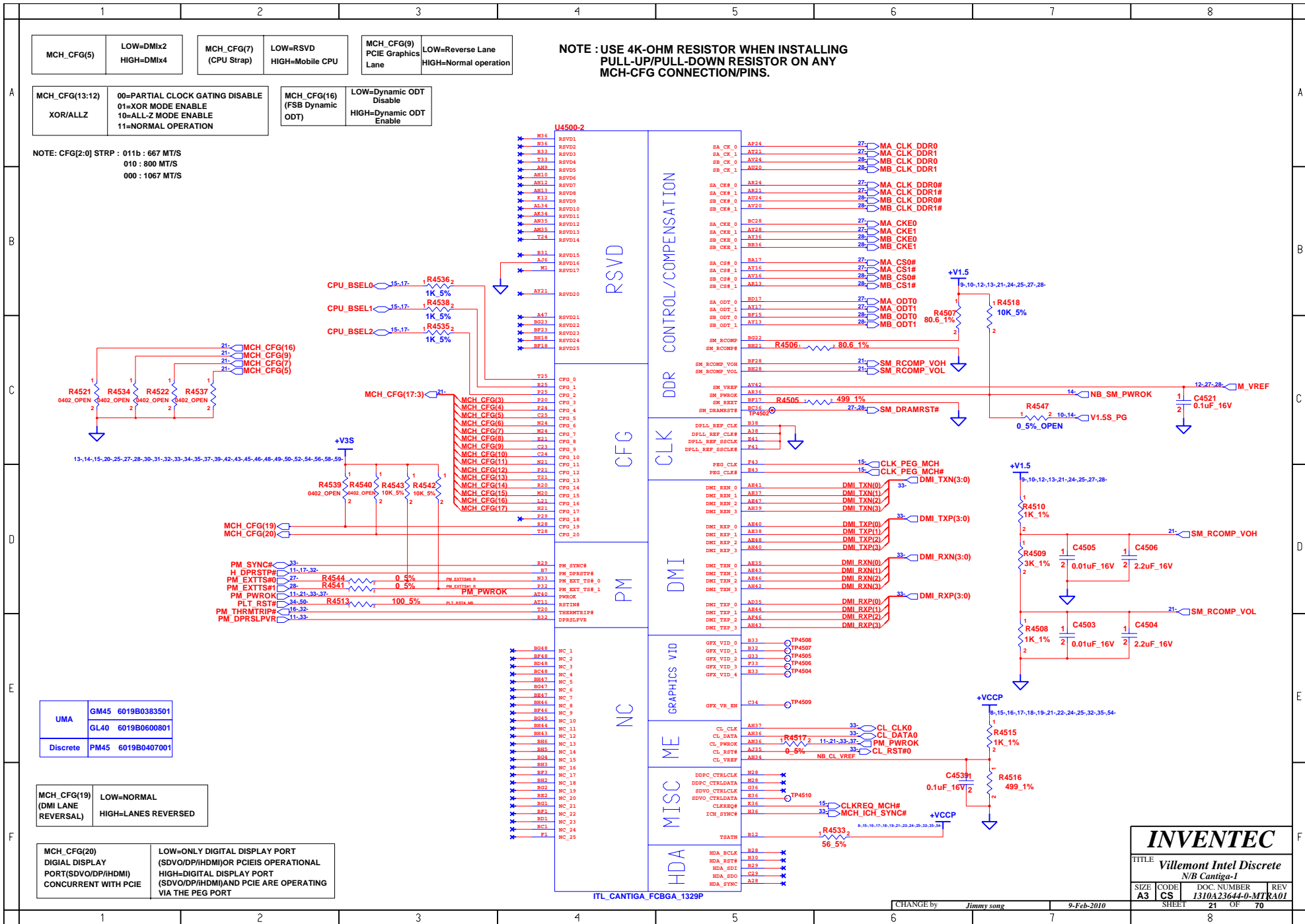


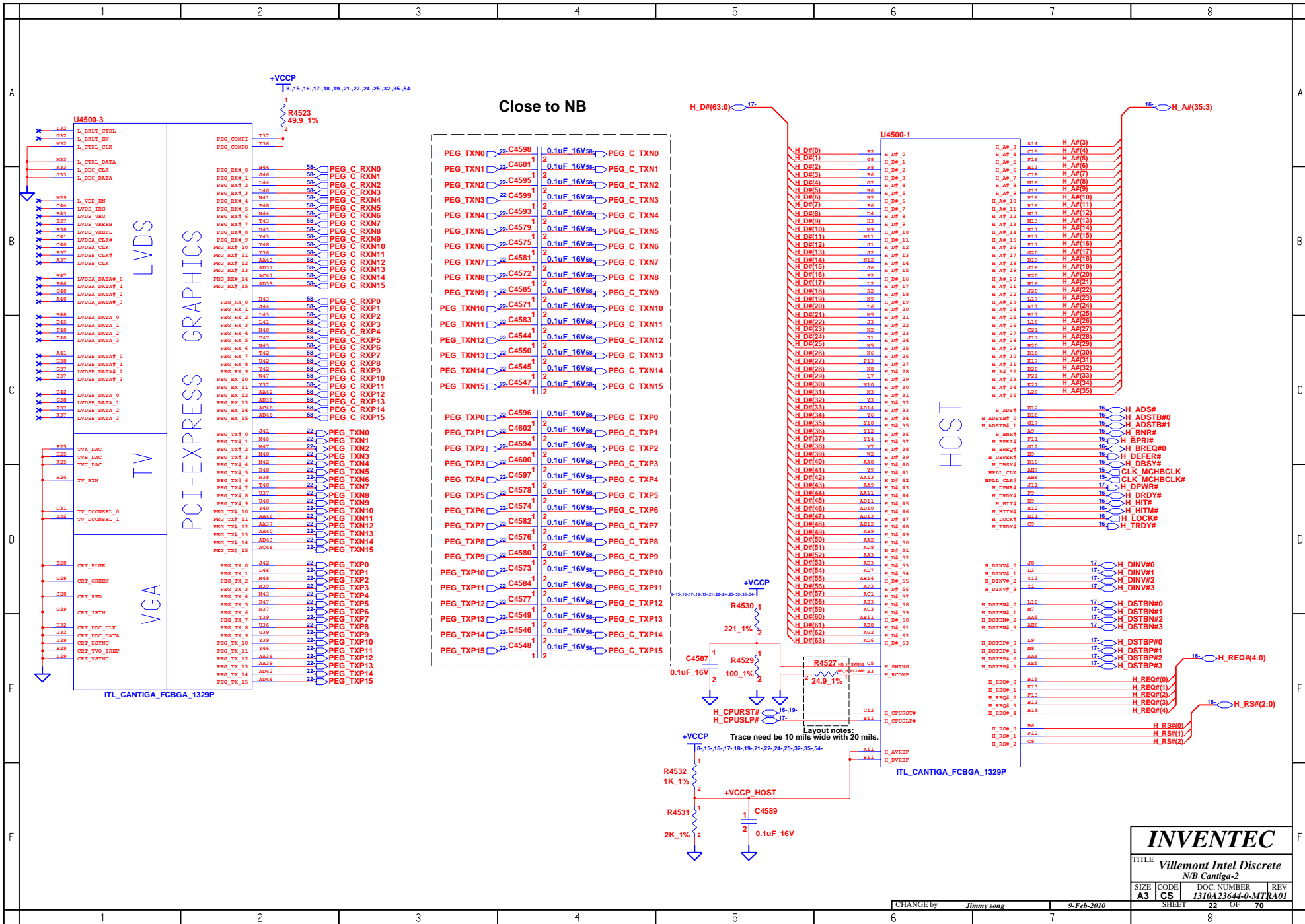
XDP CONNECTOR

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INVENTEC			
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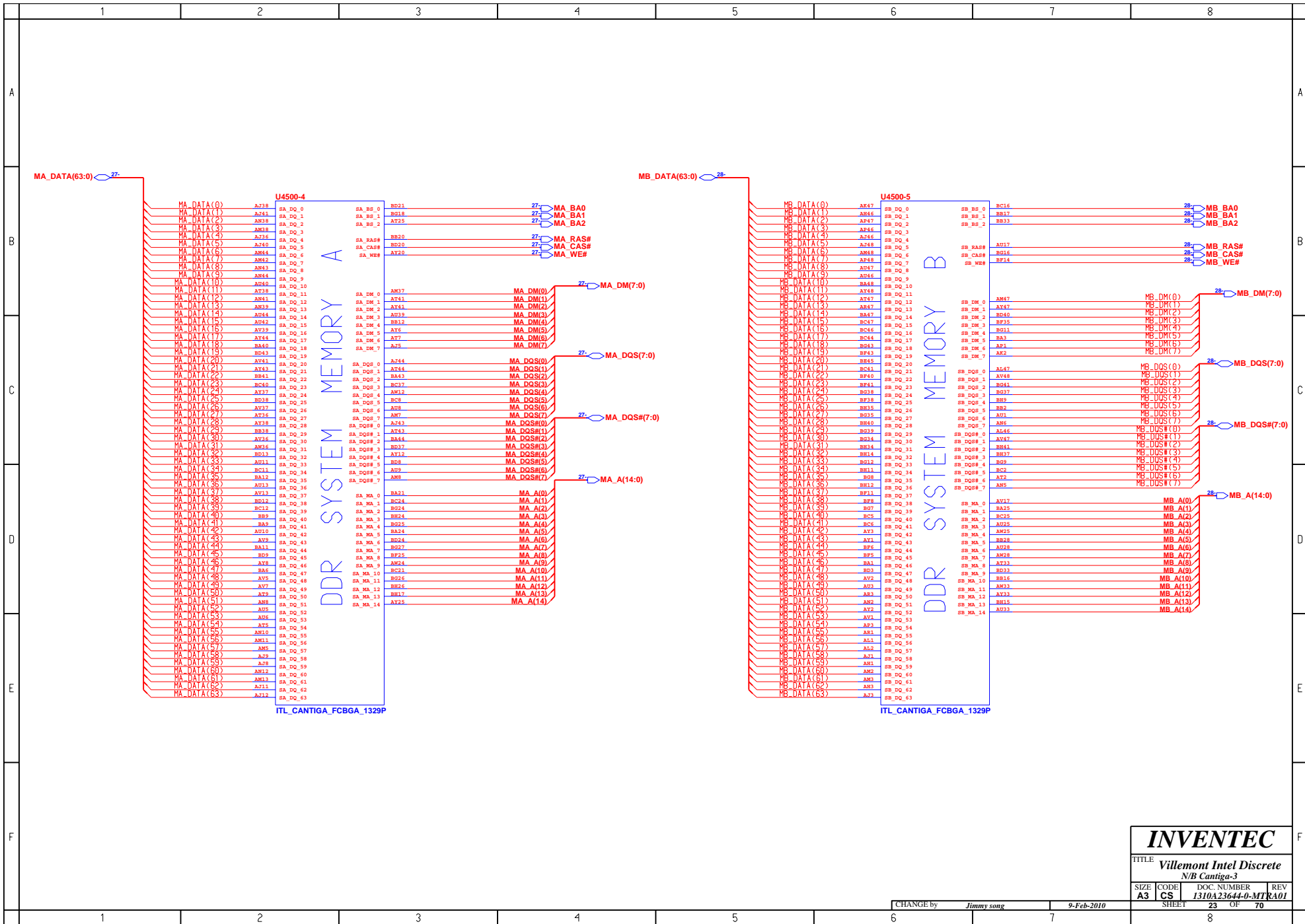
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N/B Cantiga-2

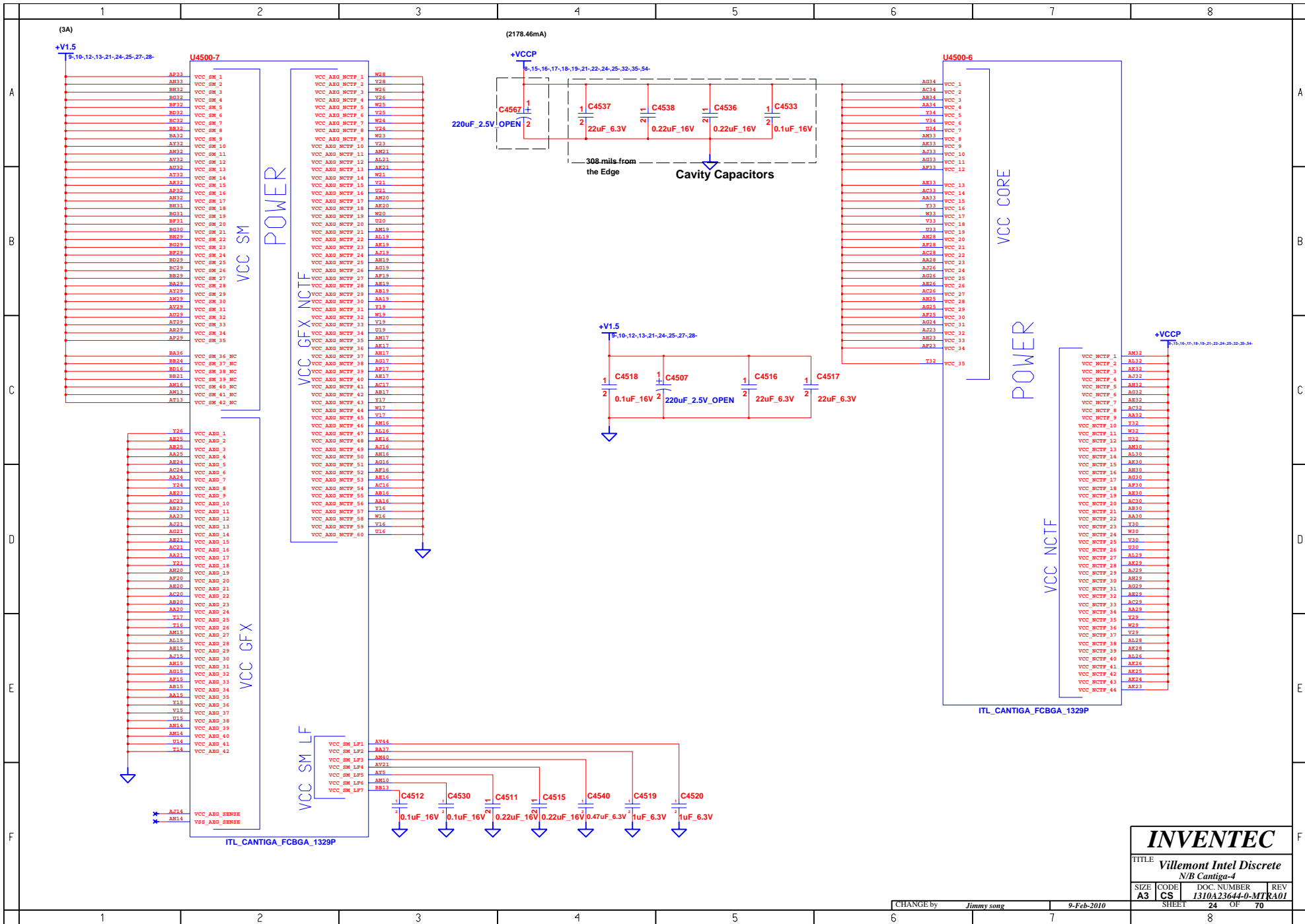
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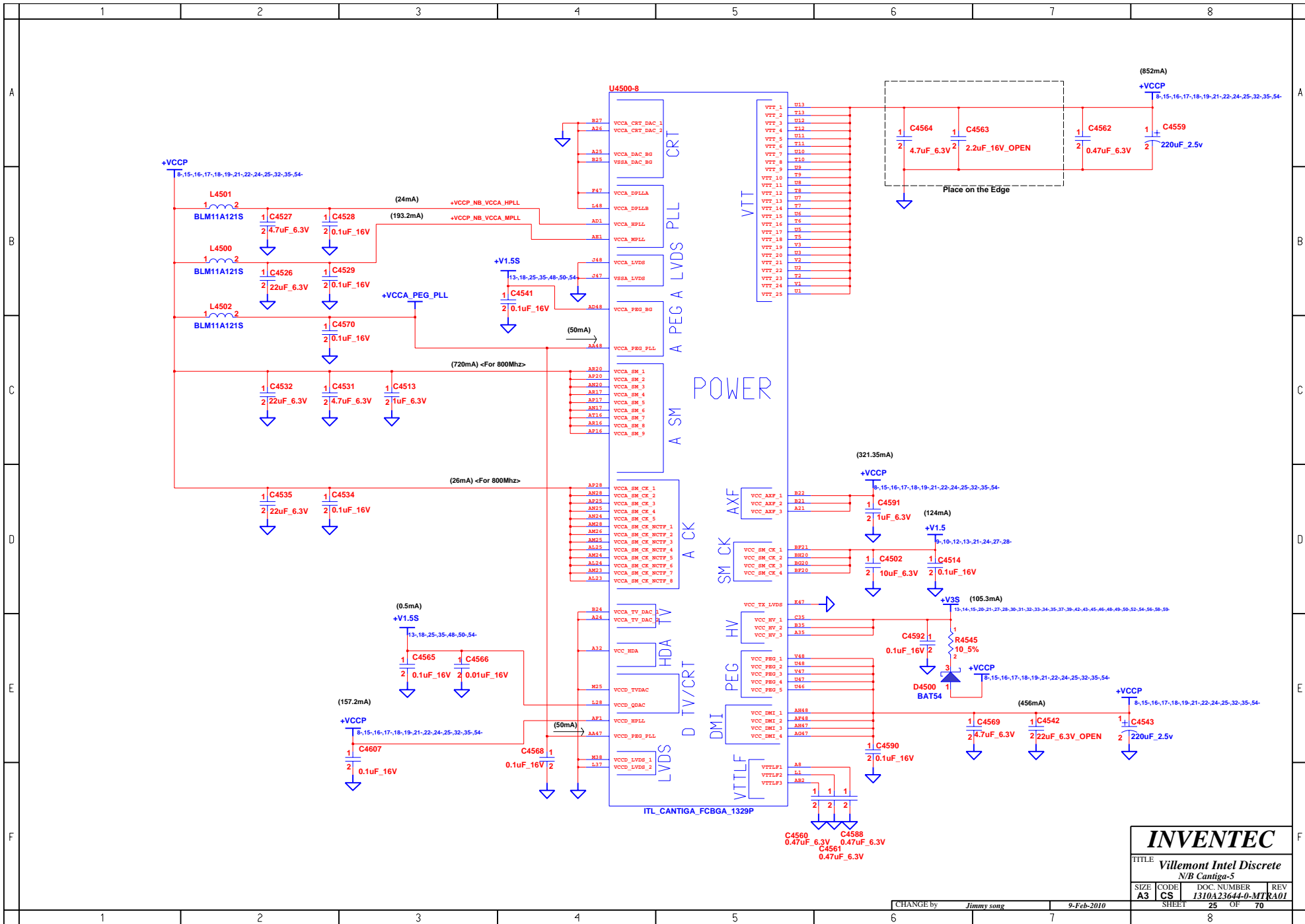


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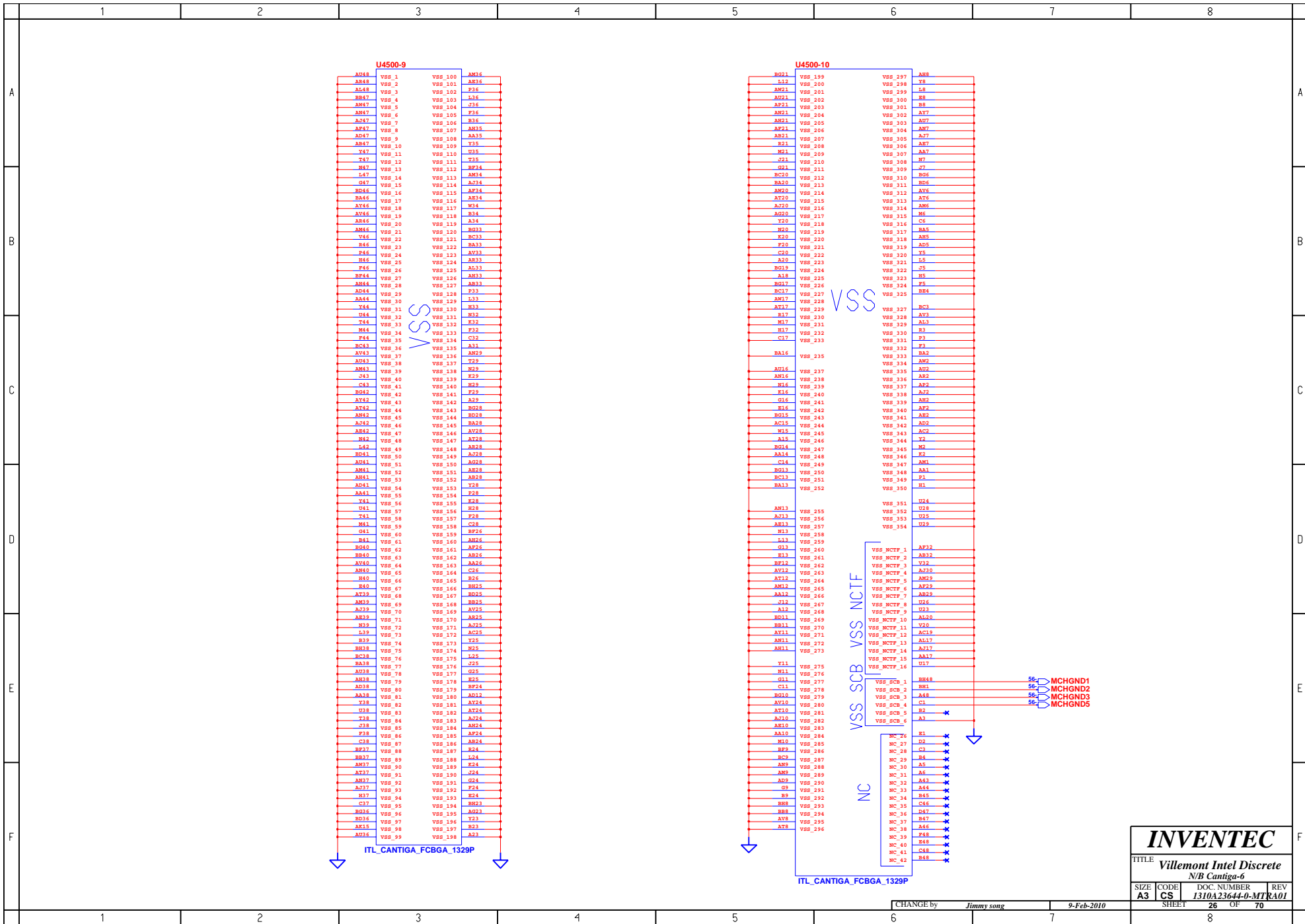


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http://sualaptop365.com/mafiafix.vn



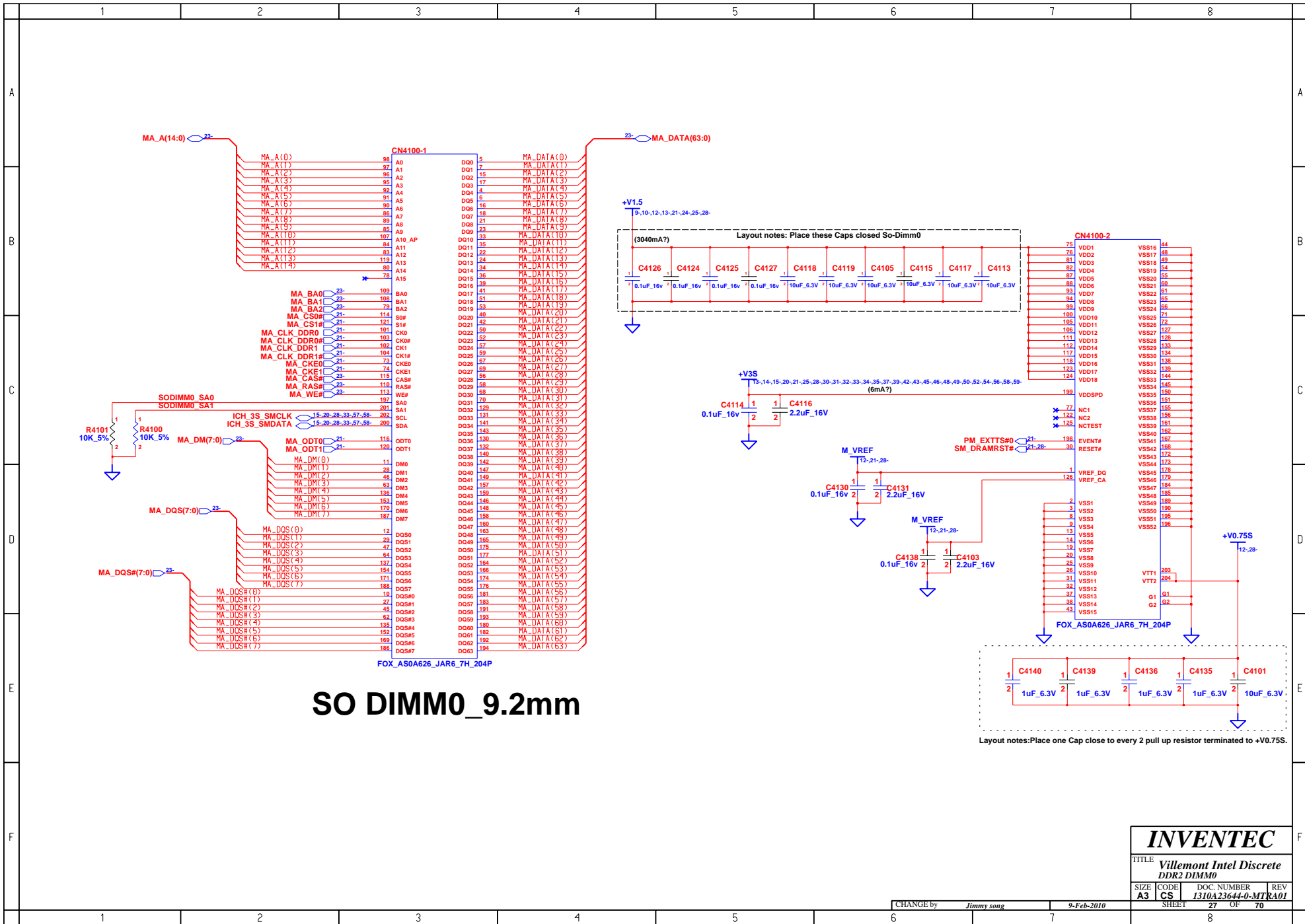
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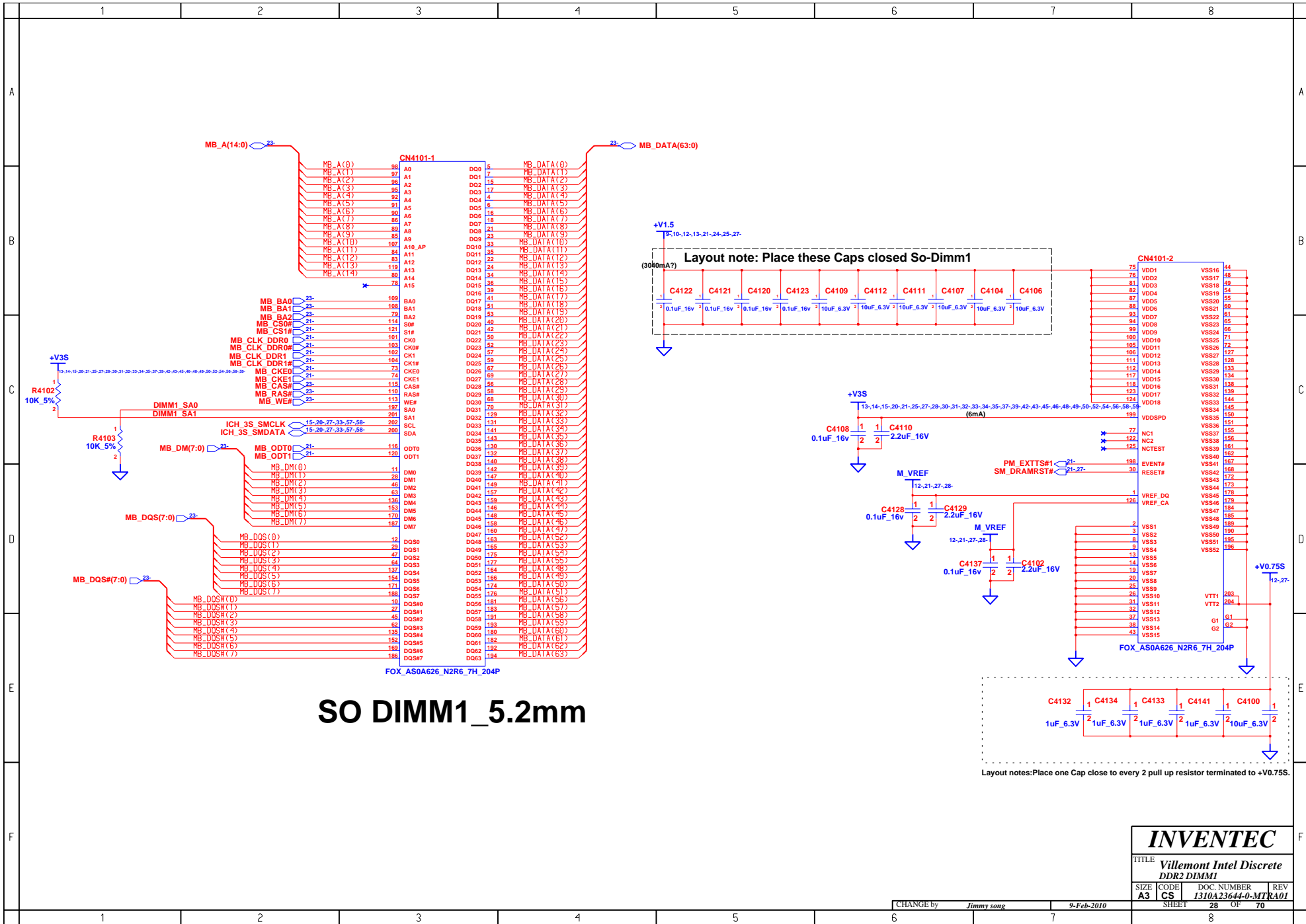


<http://sualap.com> www.vimafix.vn

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N/B Cantiga-6			
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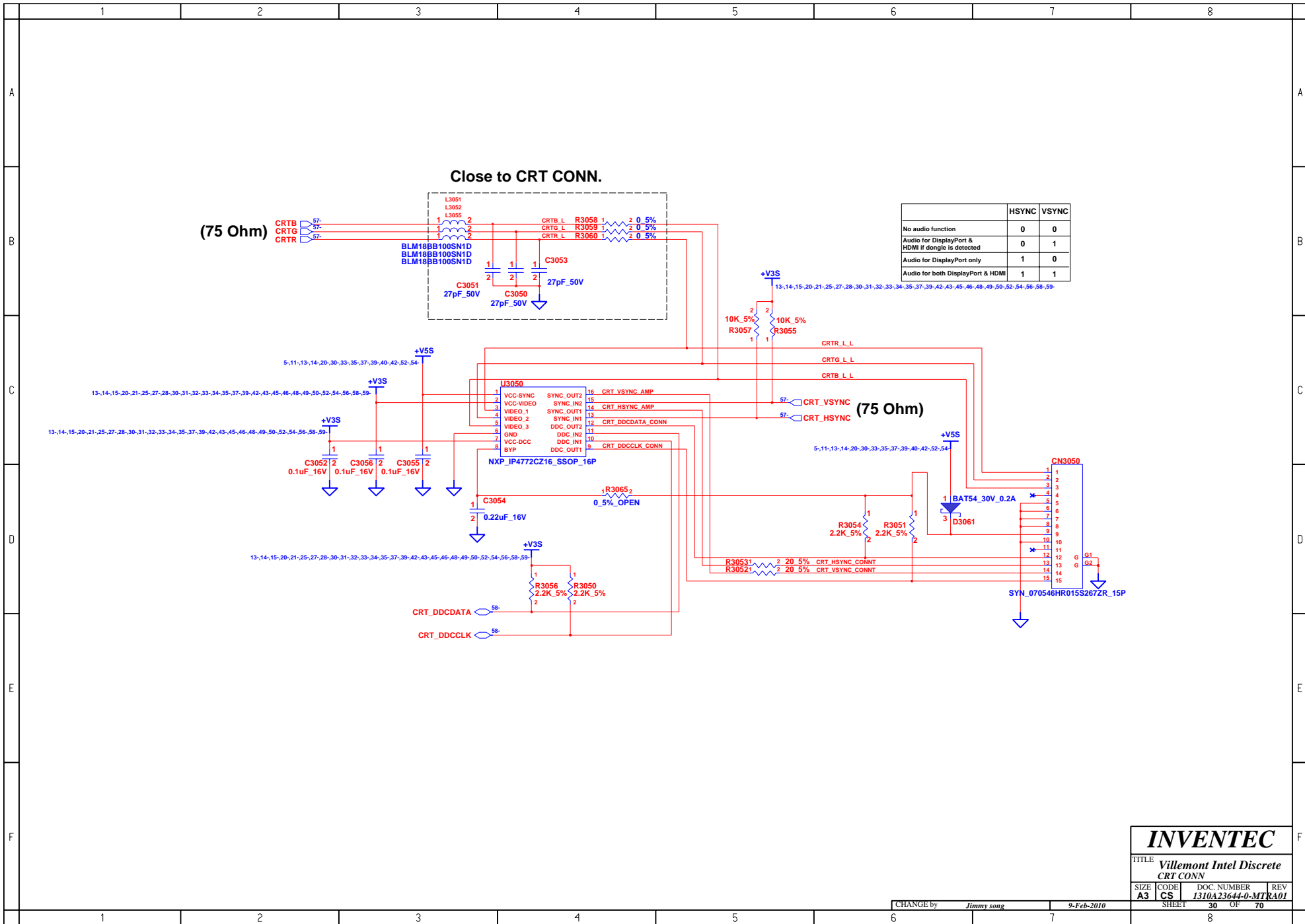


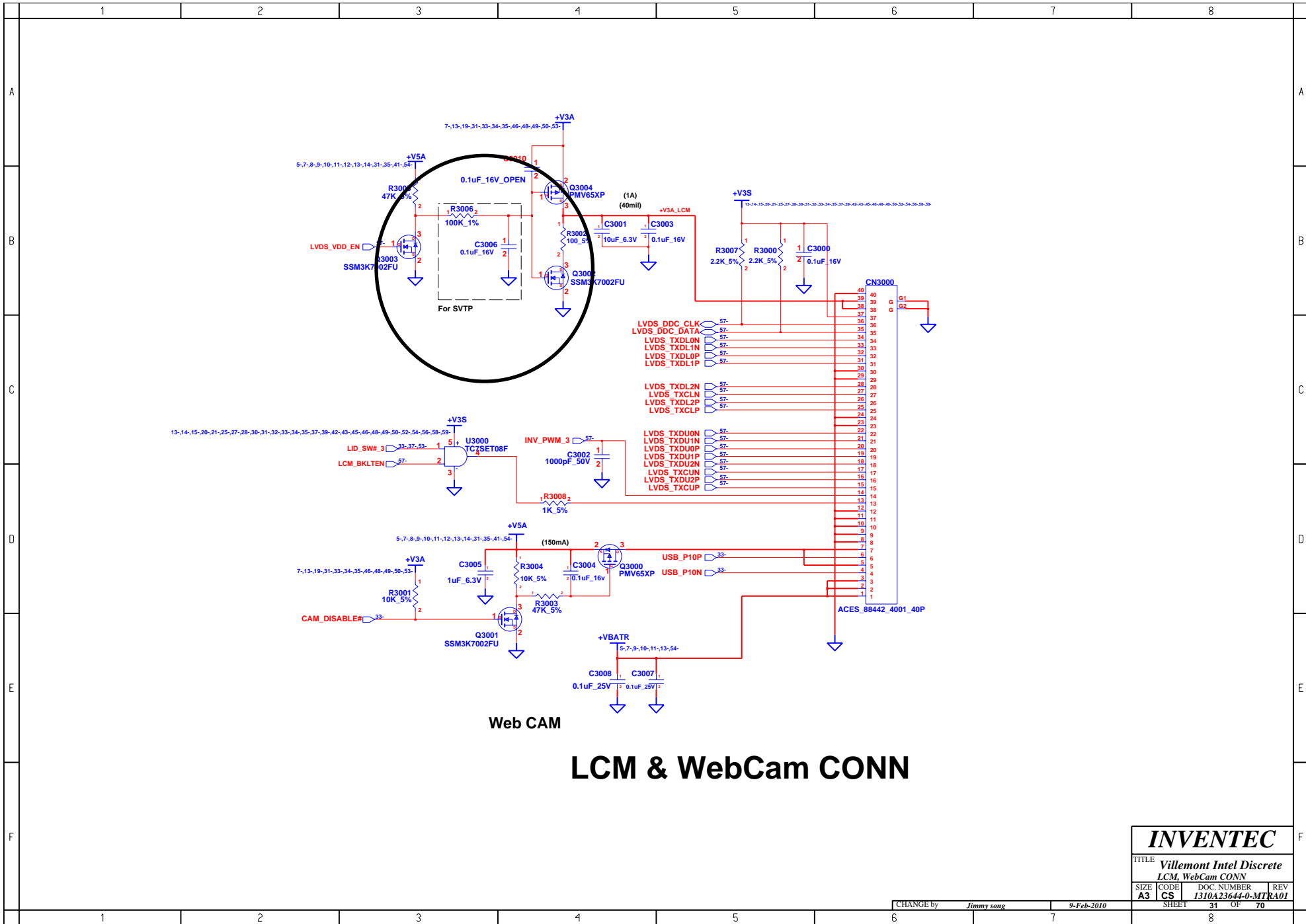


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www.vietnamfix.vn

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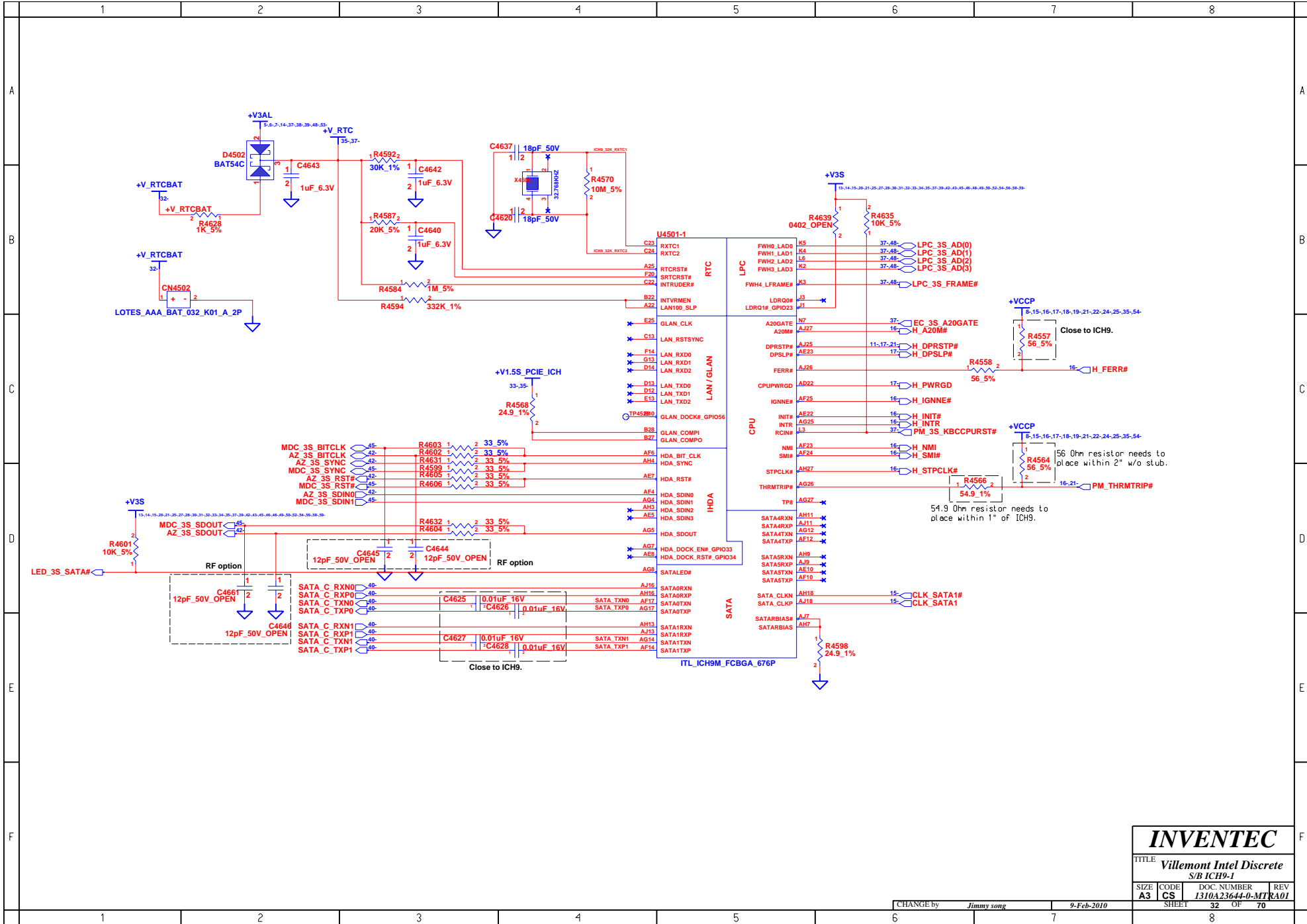


LCM & WebCam CONN

INVENTEC

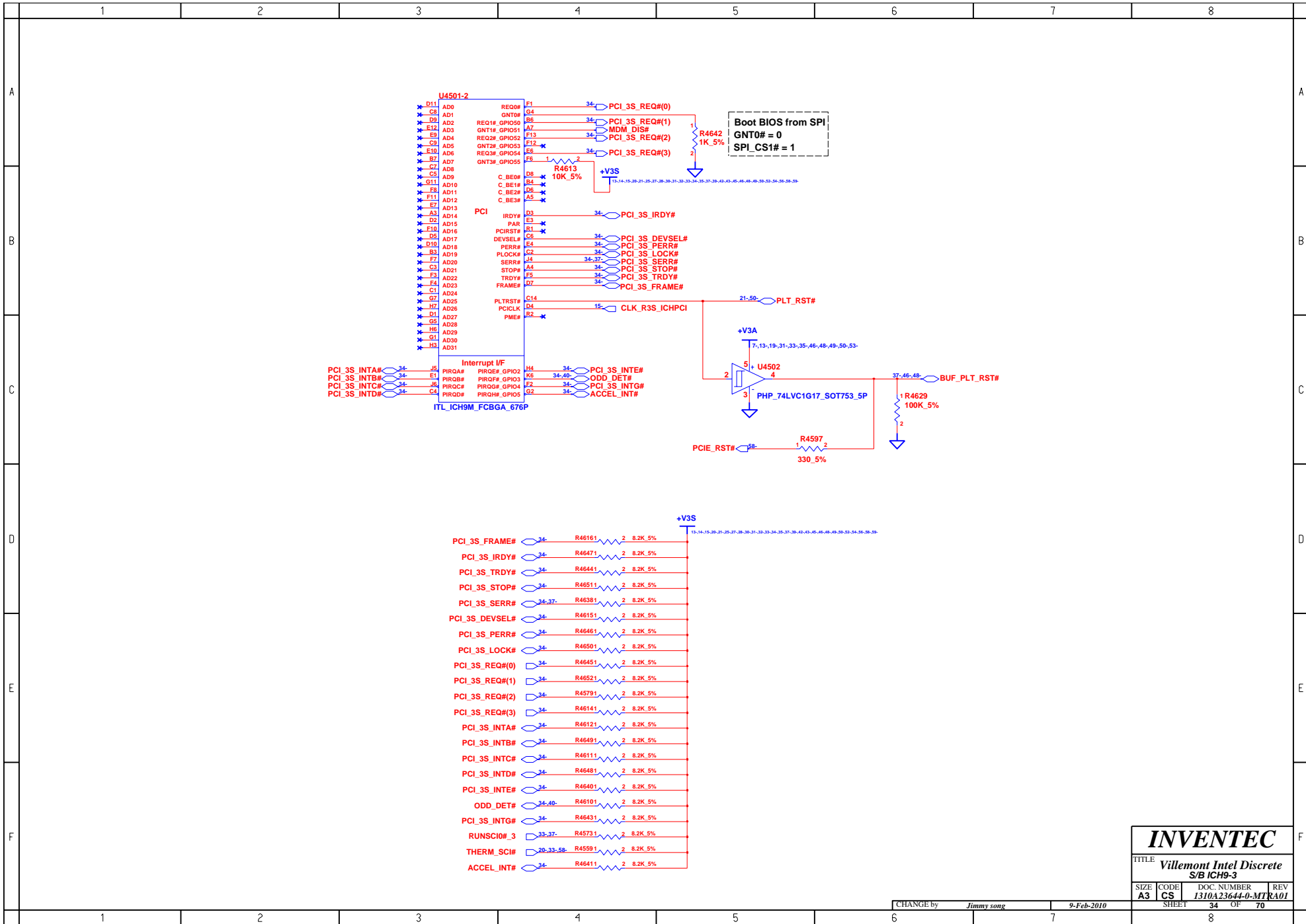
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CHANGE by	Jimmy song	9-Feb-2010	SHEET	31	OF	70
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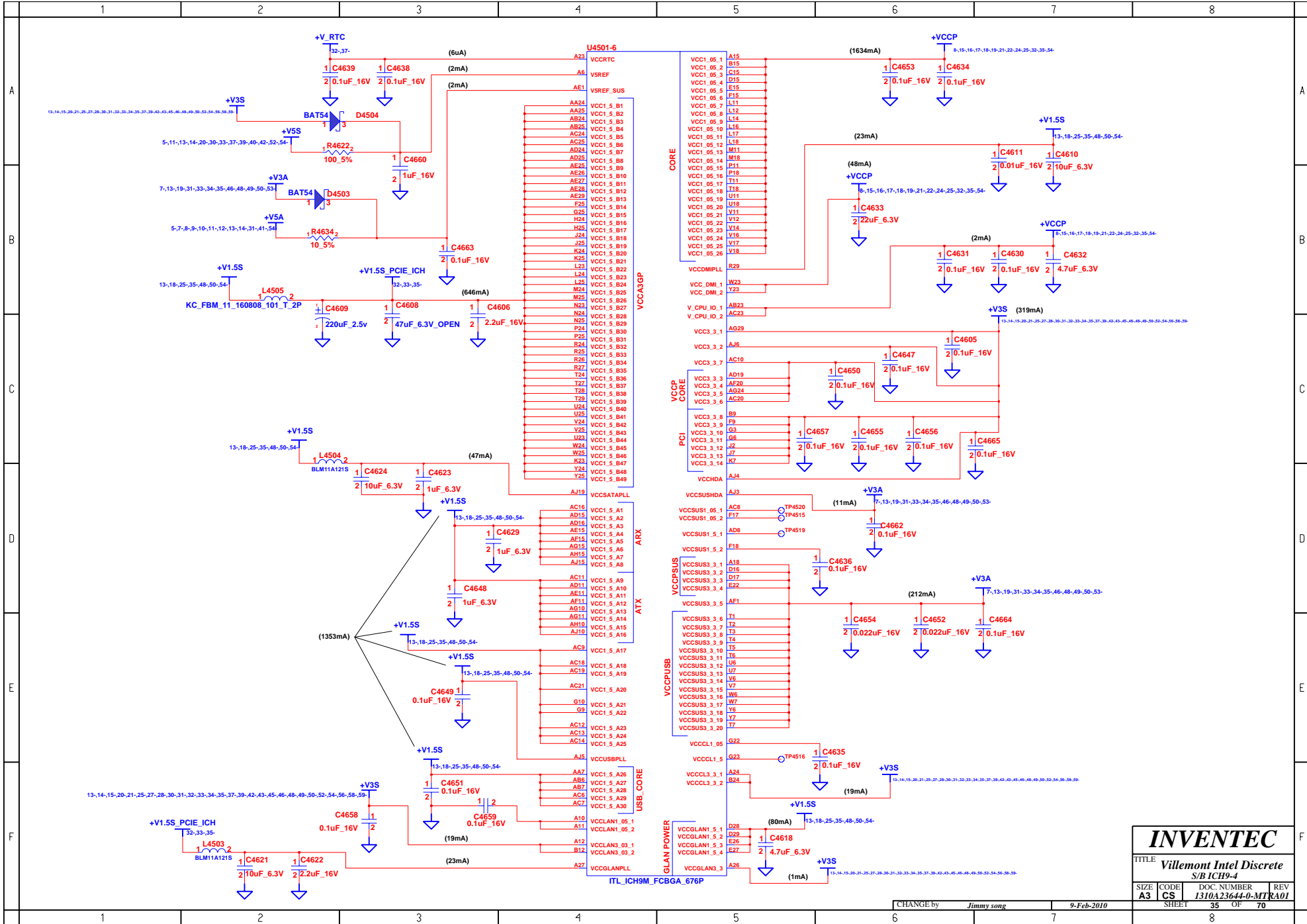


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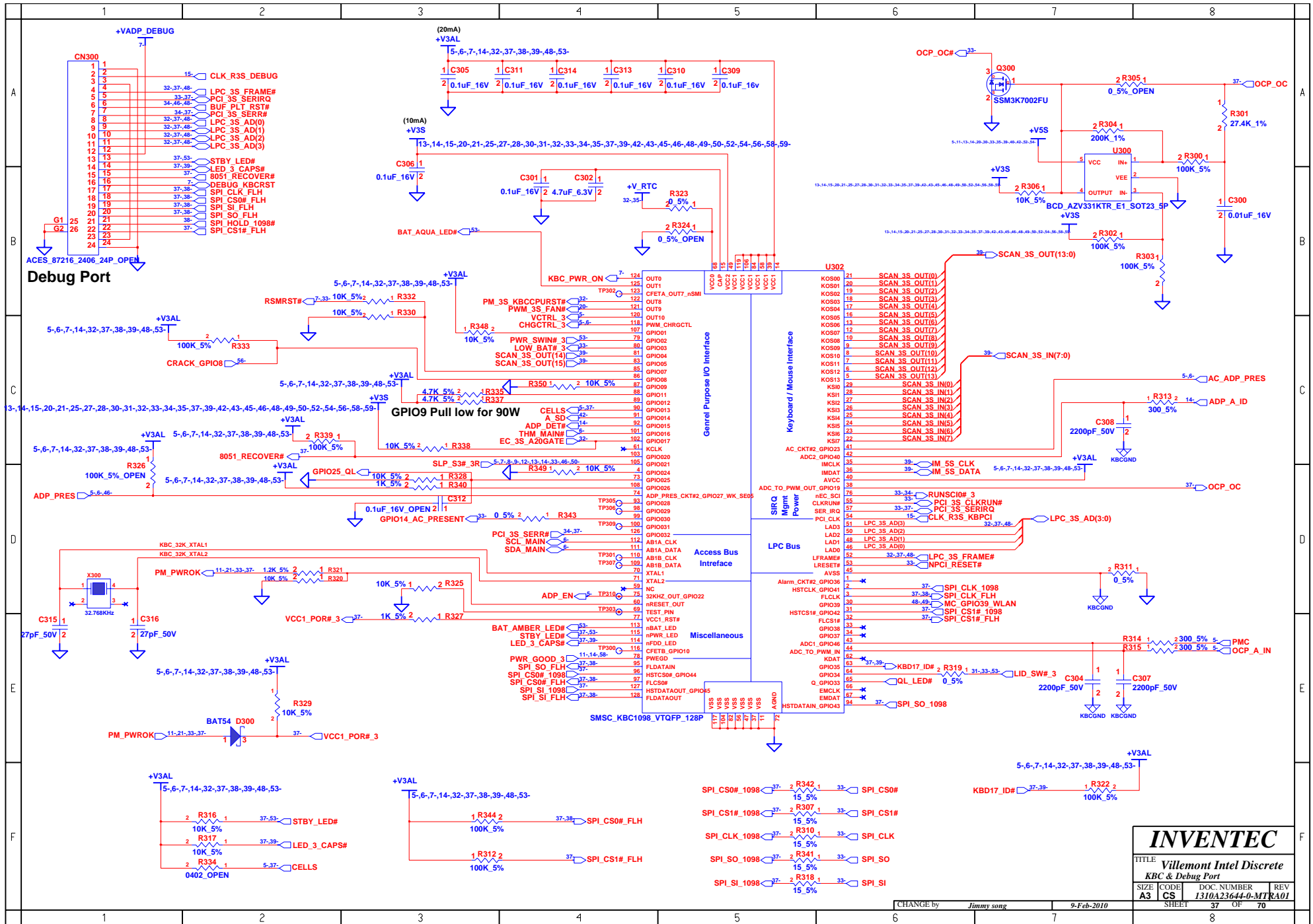
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CHANGE by *Jimmy song* 9-Feb-2010



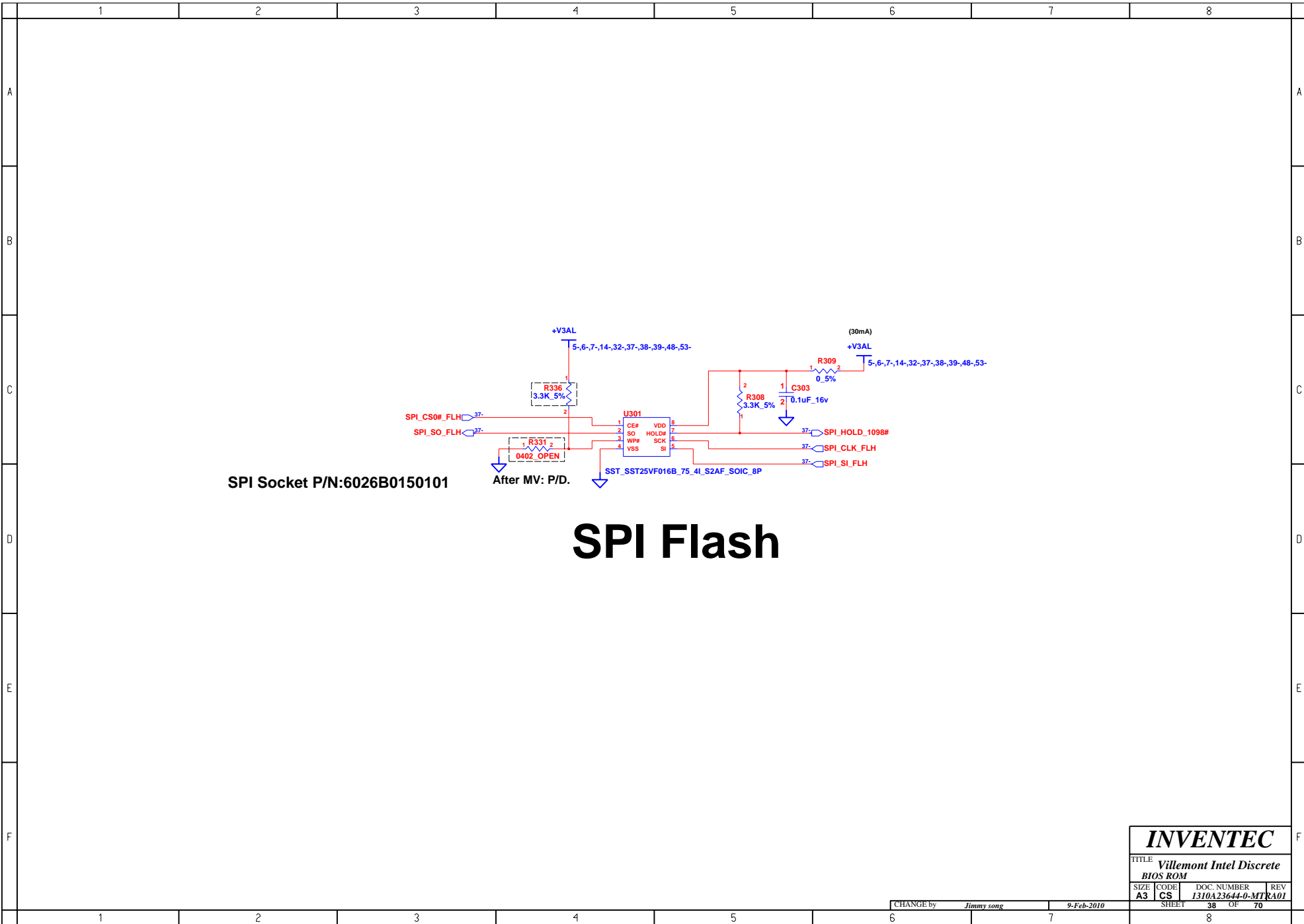
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KBC & Debug Port

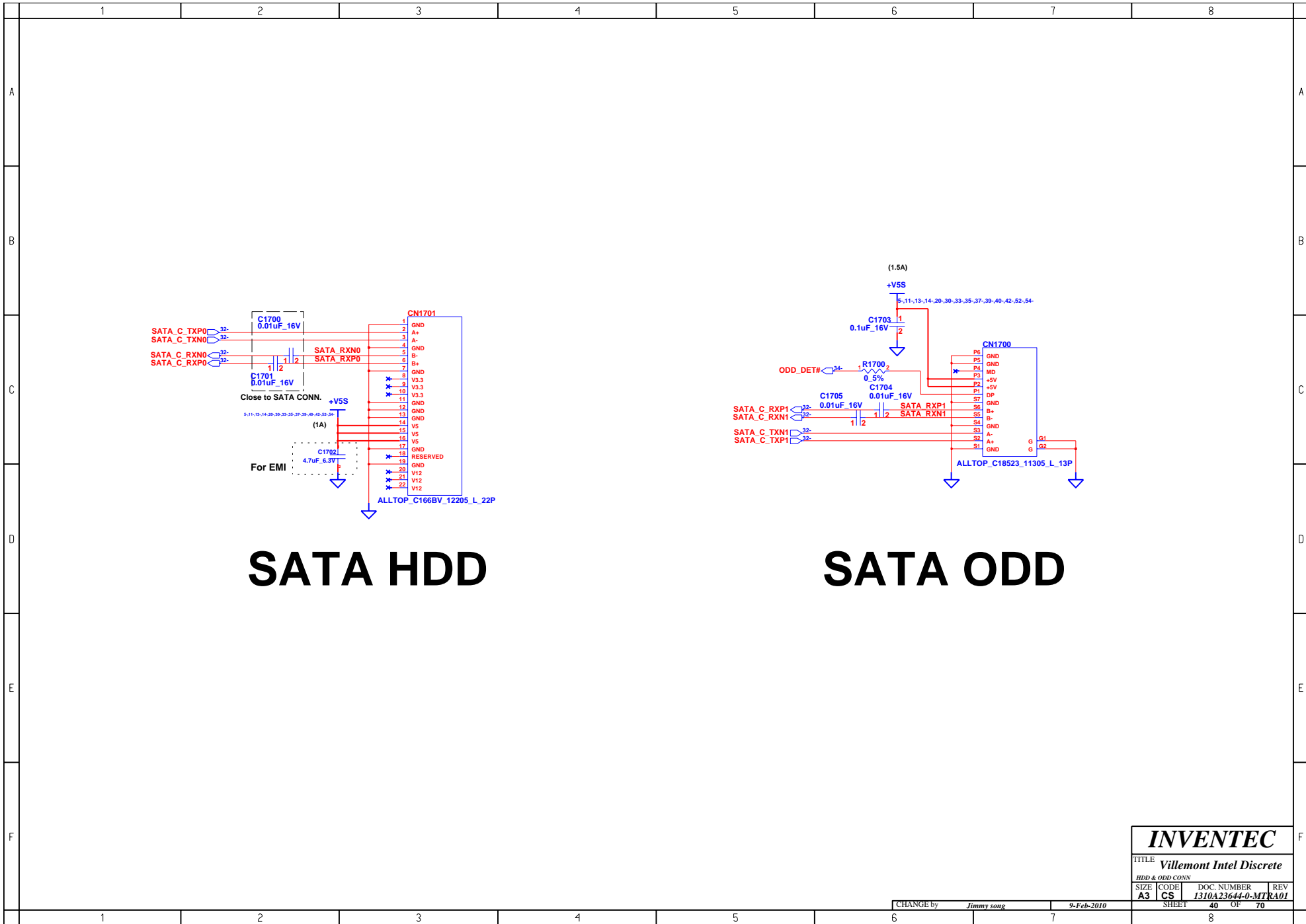
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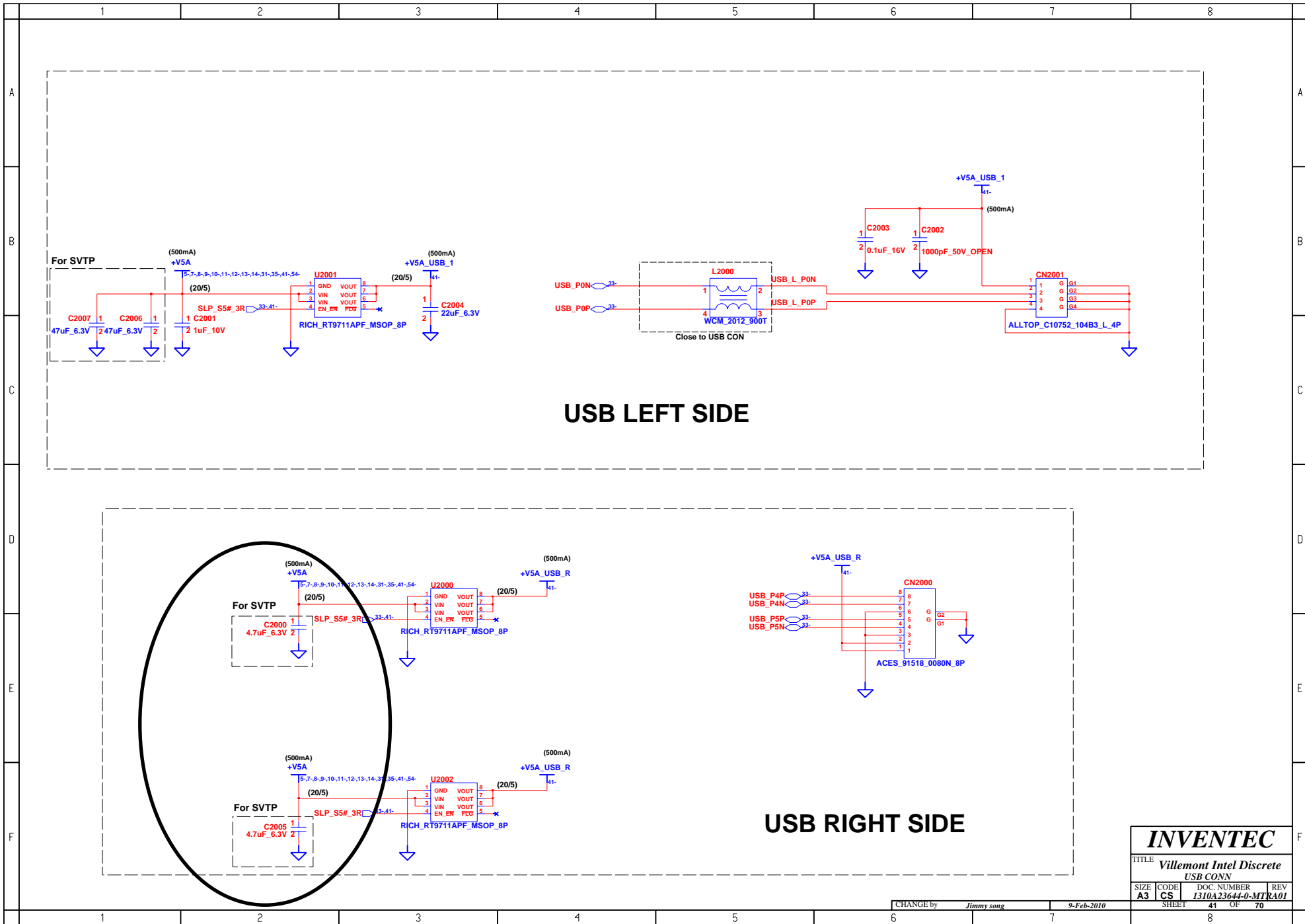
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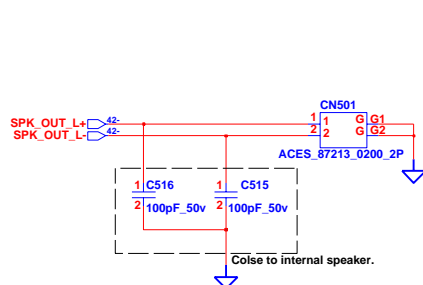
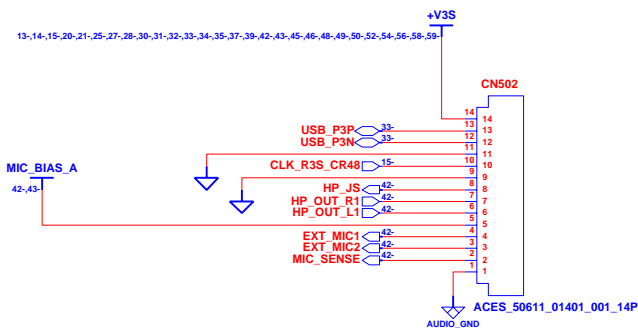
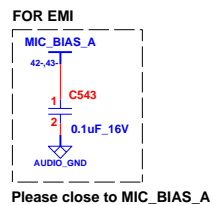
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BIOS ROM			
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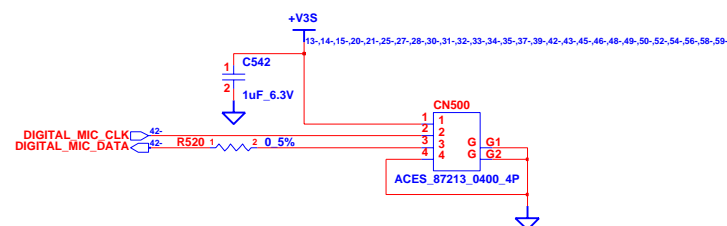
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HDD & ODD CONN			
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CHANGE by <i>Jimmy song</i>		9-Feb-2010	
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SD/MMC & AUDIO JACK CONNECTOR MB SIDE



Internal Speaker



INT. DIGITAL MIC

INVENTEC

TITLE
**Villemont Intel Discrete
Earphone & MIC JACK Board**

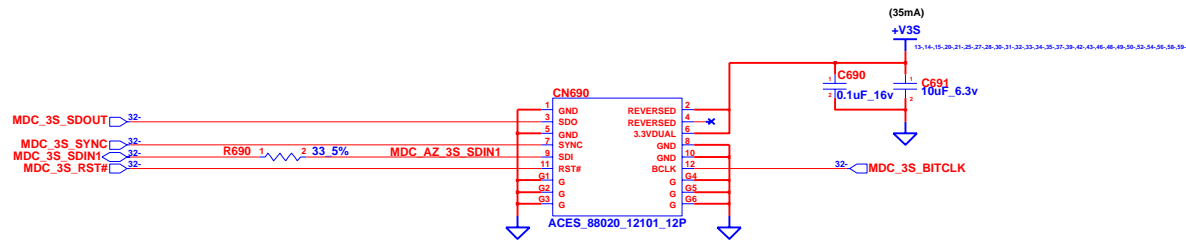
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CHANGE by *Jimmy song* 9-Feb-2010

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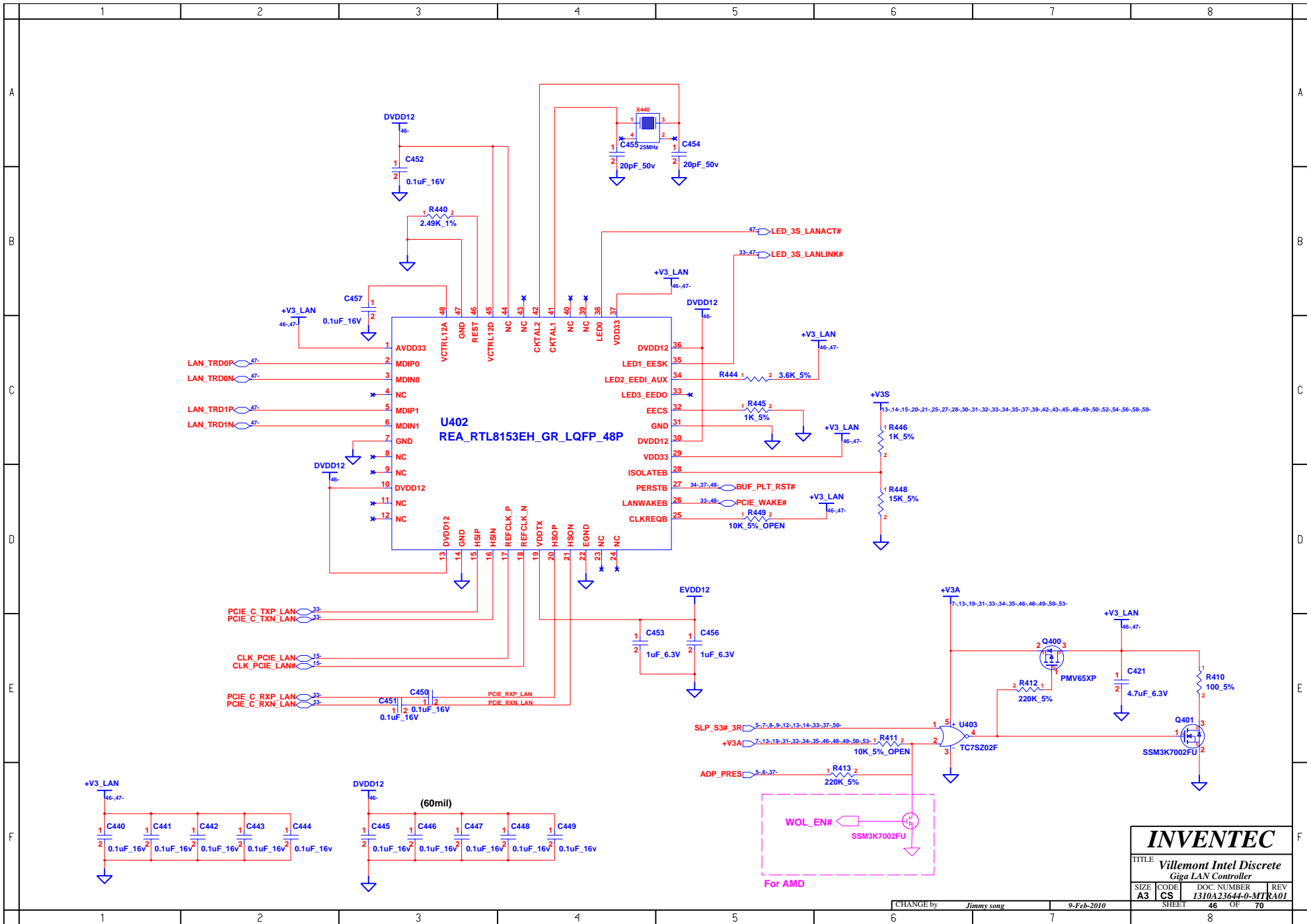
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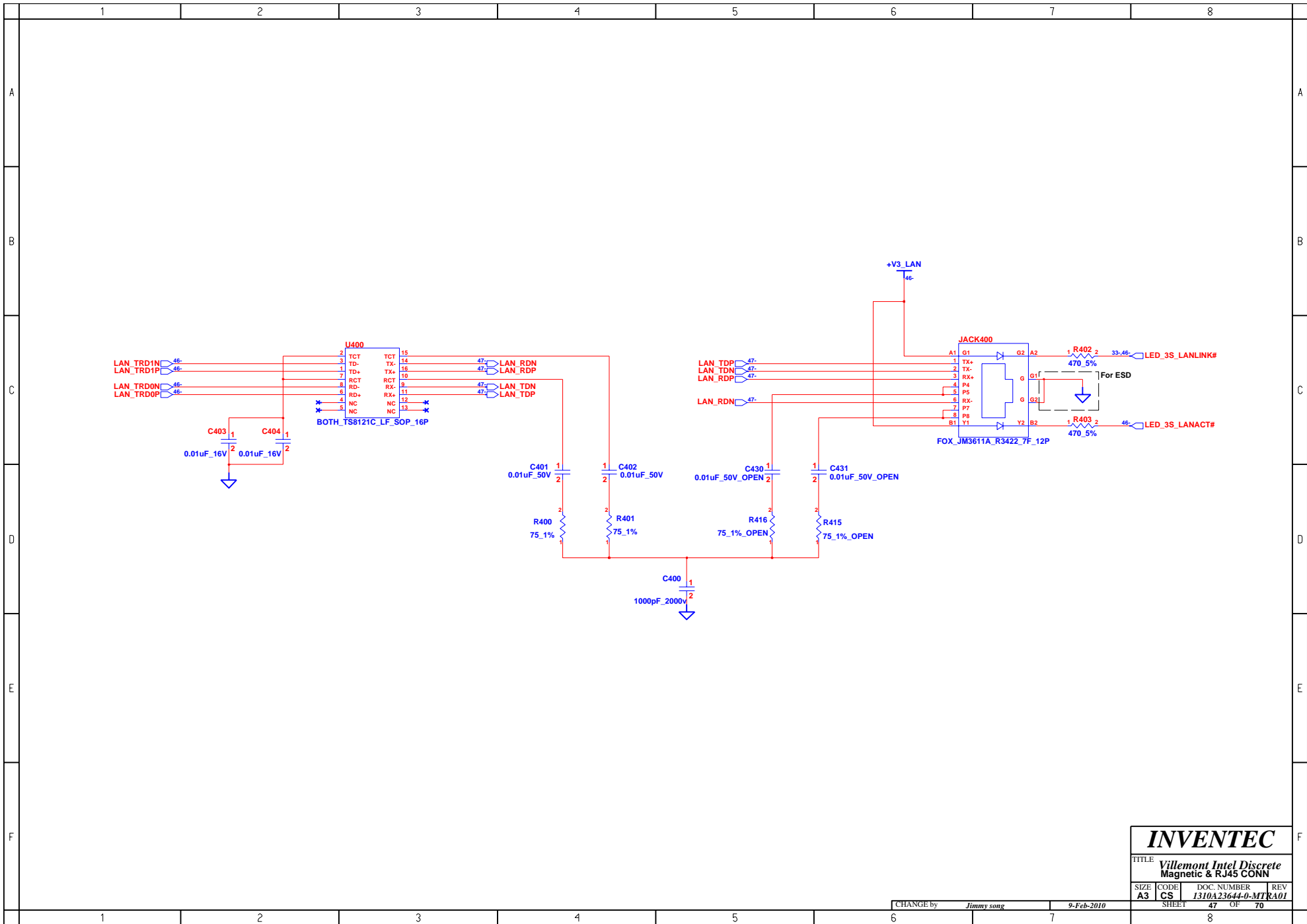
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CHANGE by <i>Jimmy song</i>		9-Feb-2010	
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MDC CONN

INVENTEC			
TITLE <i>Villemont Intel Discrete</i>			
MDC CONN			
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A3	CS	1310A23644-0-MTR	A01
CHANGE by <i>Jimmy song</i>		9-Feb-2010	SHEET 45 OF 70





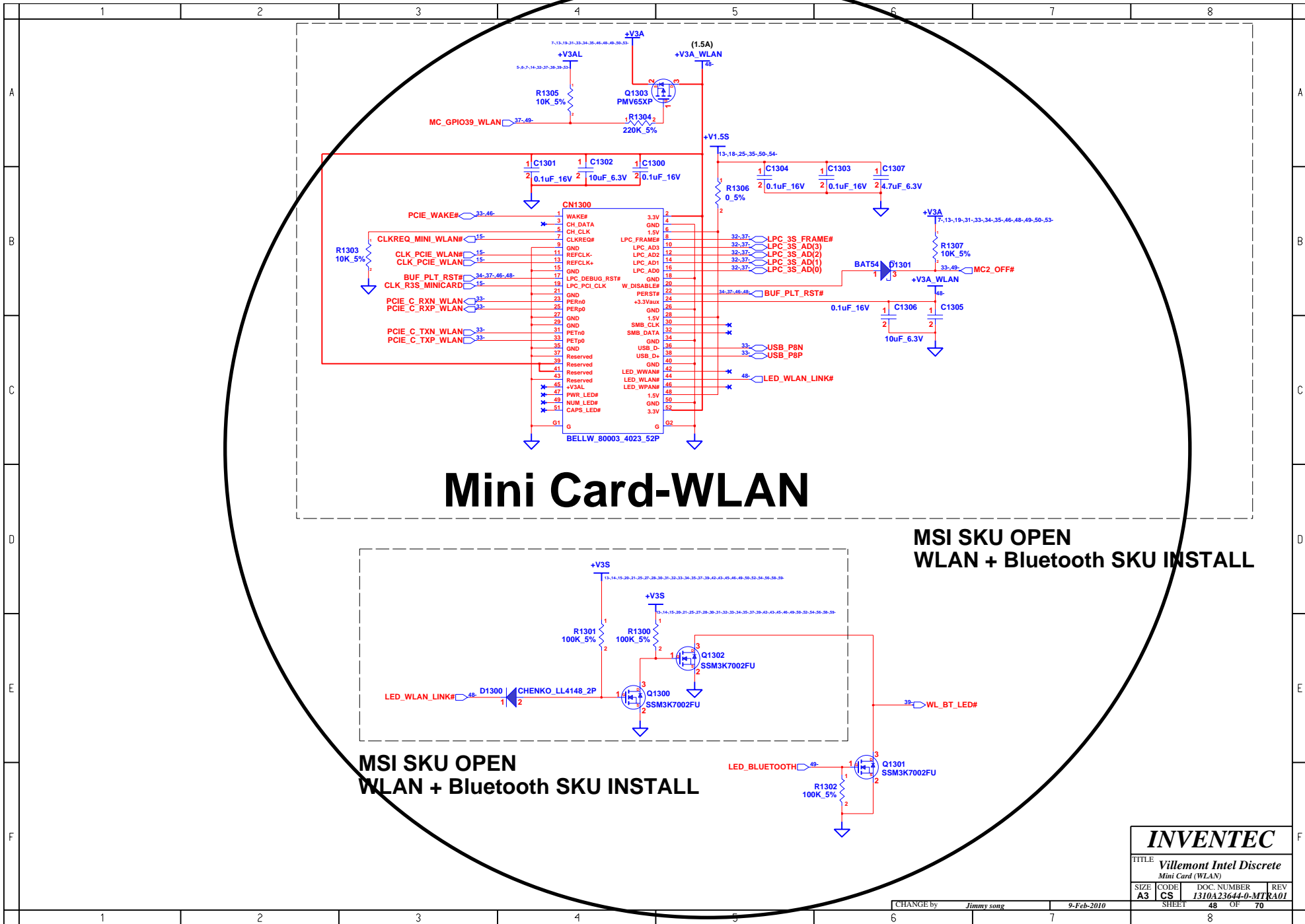
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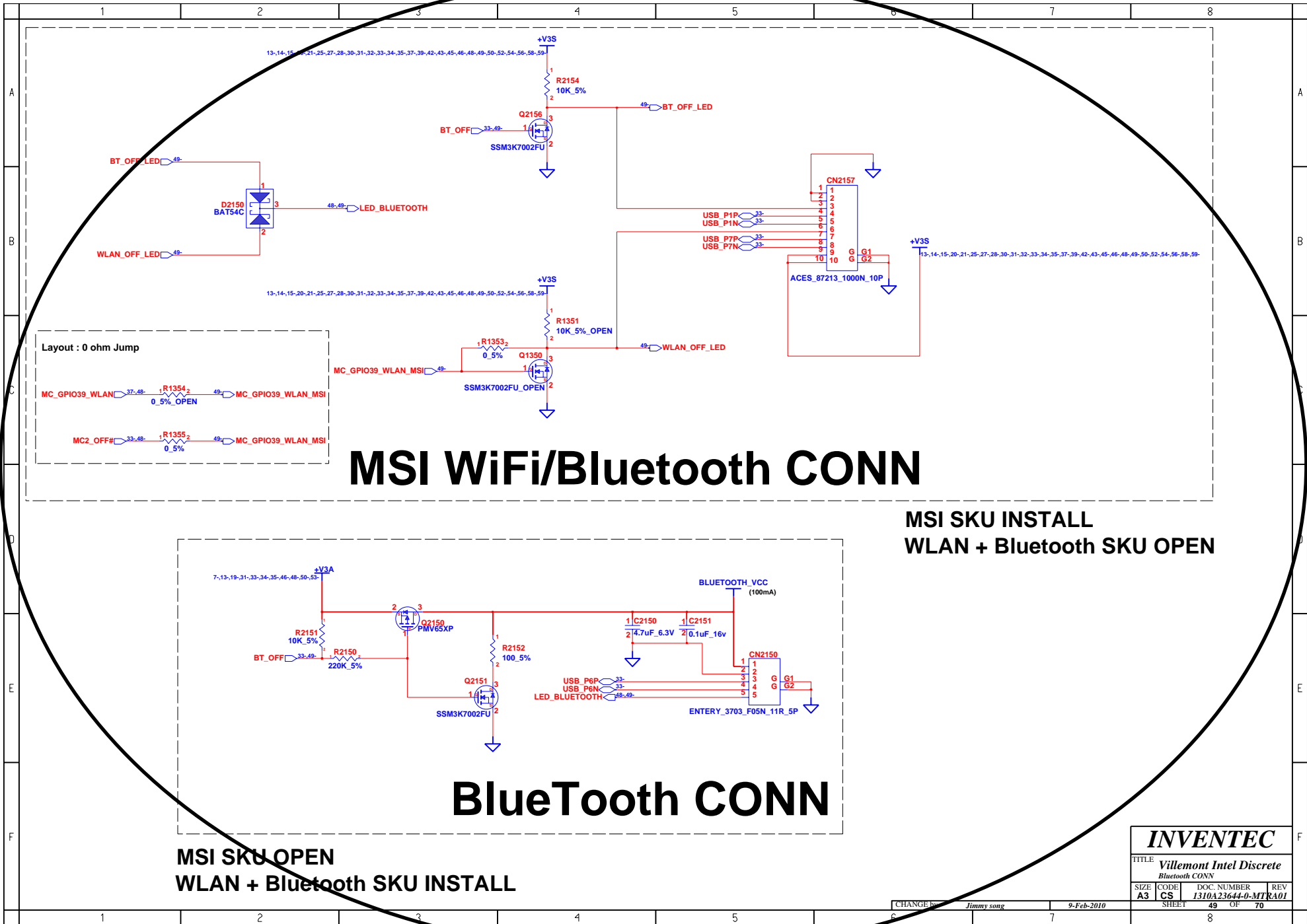
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CHANGE by Jimmy song 9-Feb-2010

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INVENTEC			
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SIZE A3	CODE CS	DOC. NUMBER <i>1310A23644-0-MTR</i>	REV RA01
CHANGE by <i>Jimmy song</i>		9-Feb-2010	
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MSI WiFi/Bluetooth CONN

MSI SKU INSTALL
WLAN + Bluetooth SKU OPEN

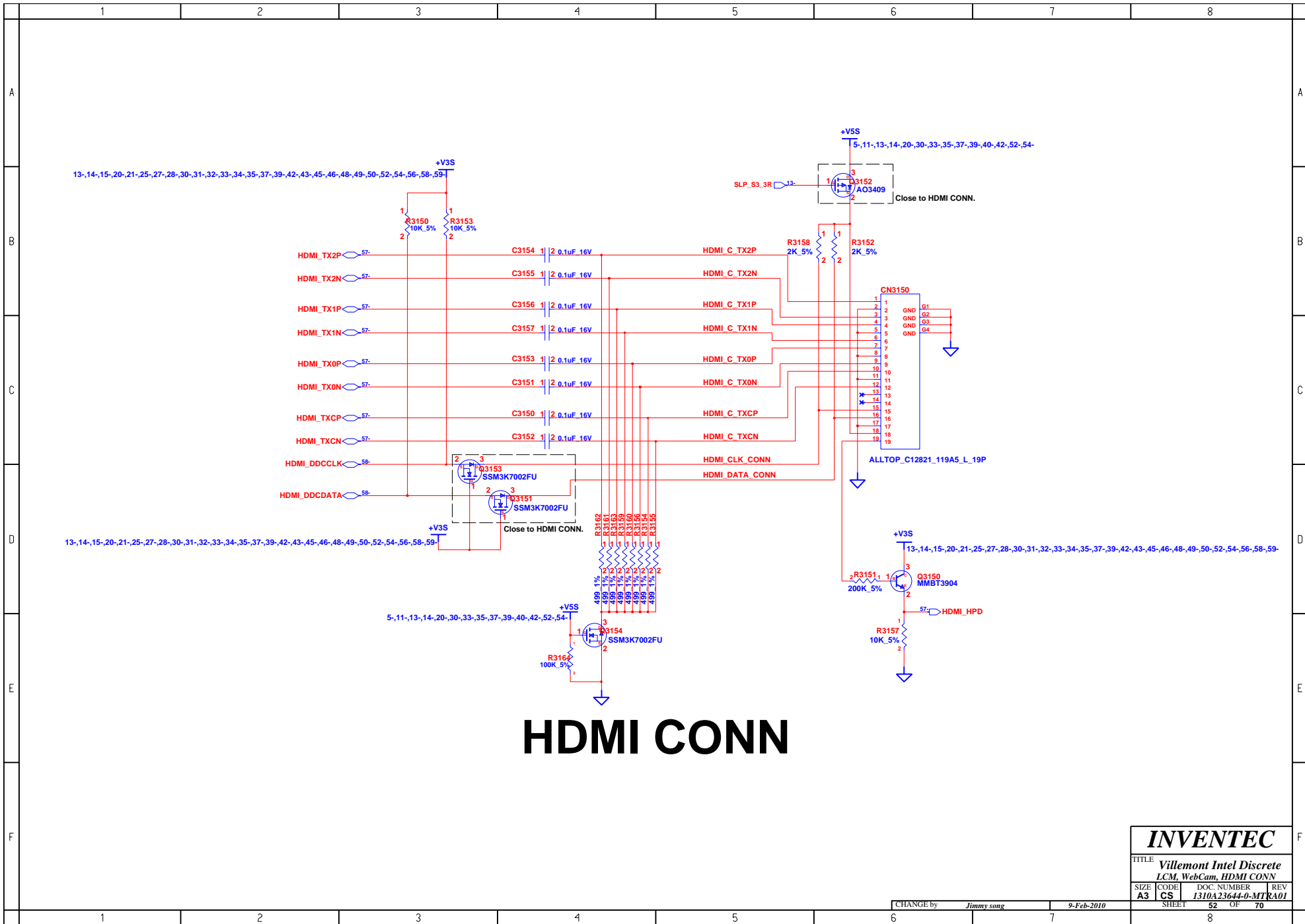
BlueTooth CONN

MSI SKU OPEN
WLAN + Bluetooth SKU INSTALL

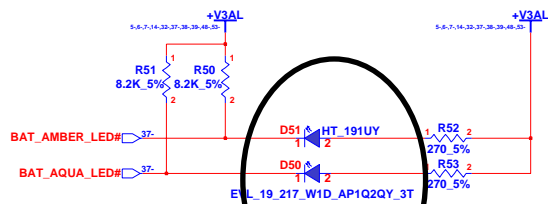
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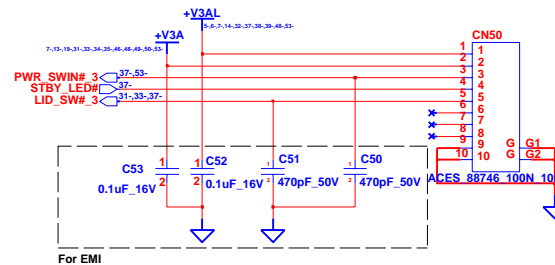
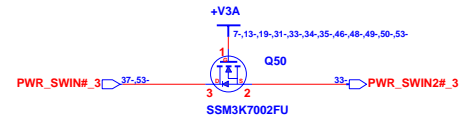
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SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A23644-0-MT	KA01
CHANGE by <i>Jimmy song</i>		9-Feb-2010	SHEET 51 OF 70



INVENTEC			
TITLE <i>Villemont Intel Discrete LCM, WebCam, HDMI CONN</i>			
SIZE A3	CODE CS	DOC NUMBER <i>1310A23644-0-MTR</i>	REV A01
CHANGE by <i>Jimmy song</i>		9-Feb-2010	
SHEET		52 OF 70	

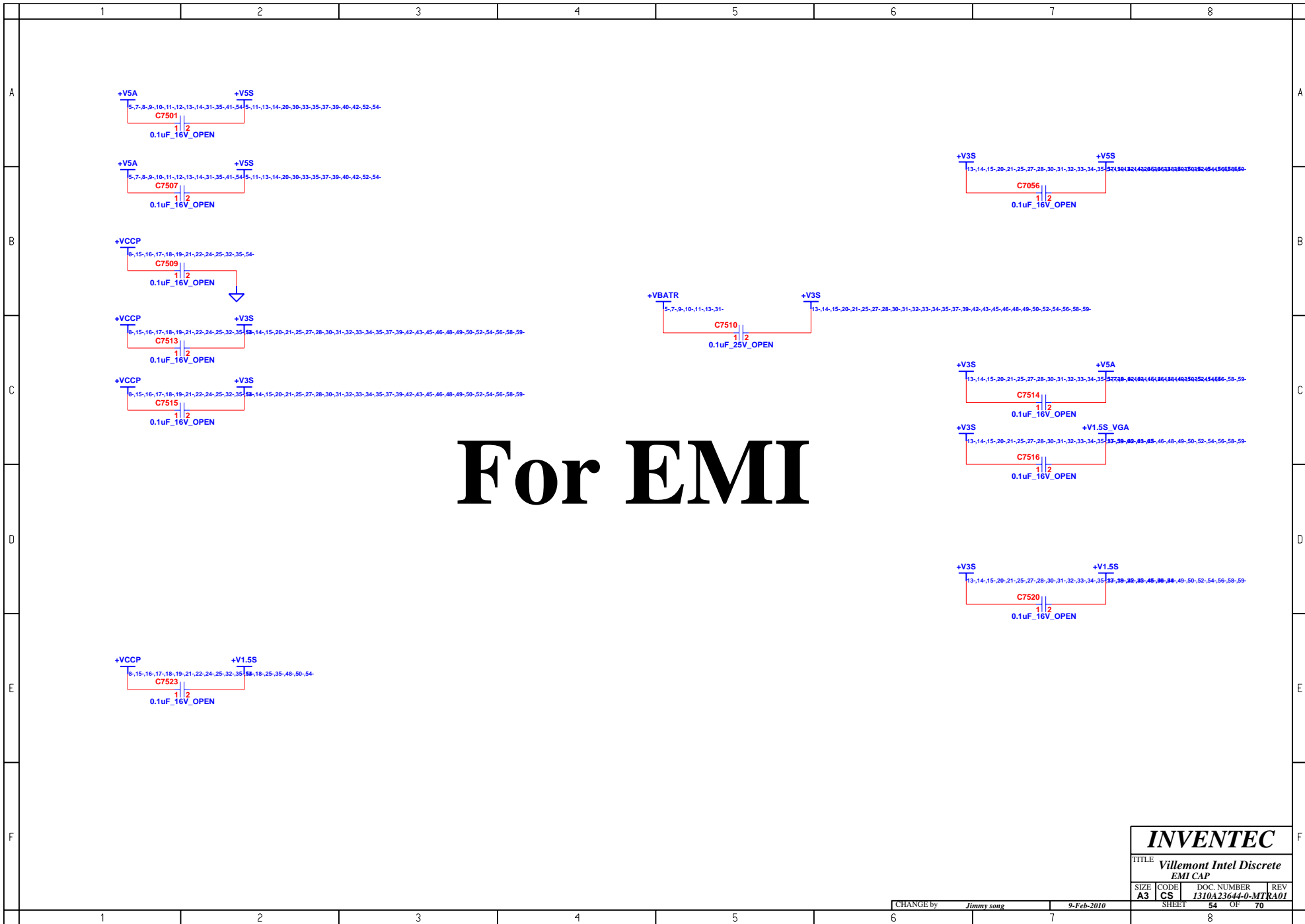


Battery Charge LED

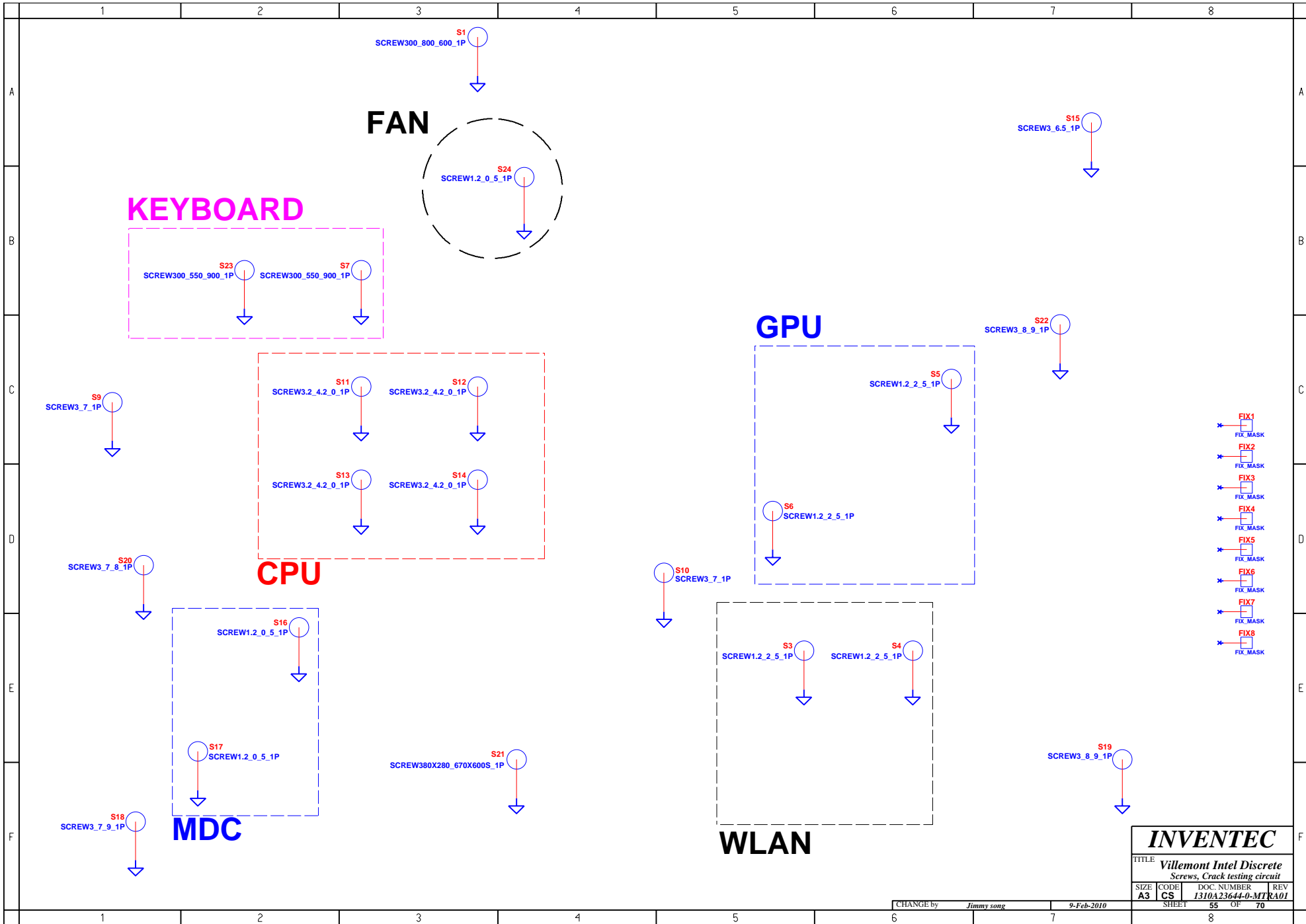


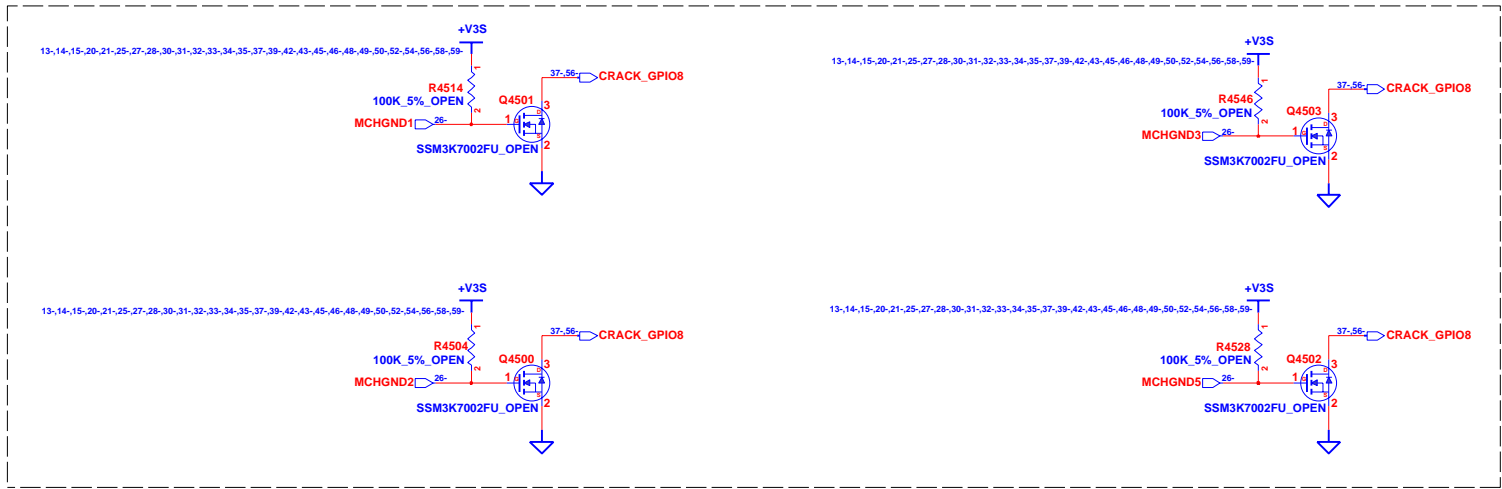
Switch B/B CONN

INVENTEC			
TITLE Villemont Intel Discrete LEDs			
SIZE A3	CODE CS	DOC. NUMBER 1310A23644-0-MTR	REV RA01
CHANGE by <i>Jimmy song</i>		9-Feb-2010	
SHEET 53		OF 70	

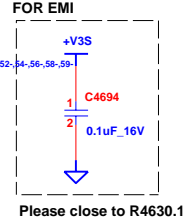
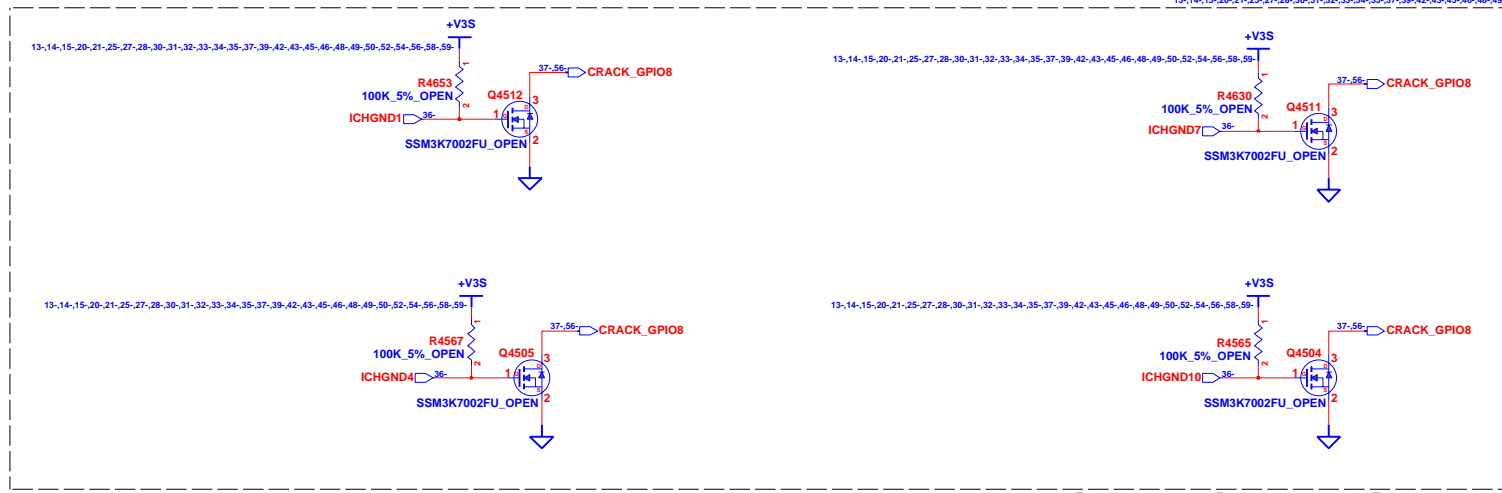


INVENTEC			
TITLE Villemont Intel Discrete EMI CAP			
SIZE A3	CODE CS	DOC. NUMBER 1310A23644-0-MTR	REV A01
CHANGE by <i>Jimmy song</i>		9-Feb-2010	
SHEET 54		OF 70	





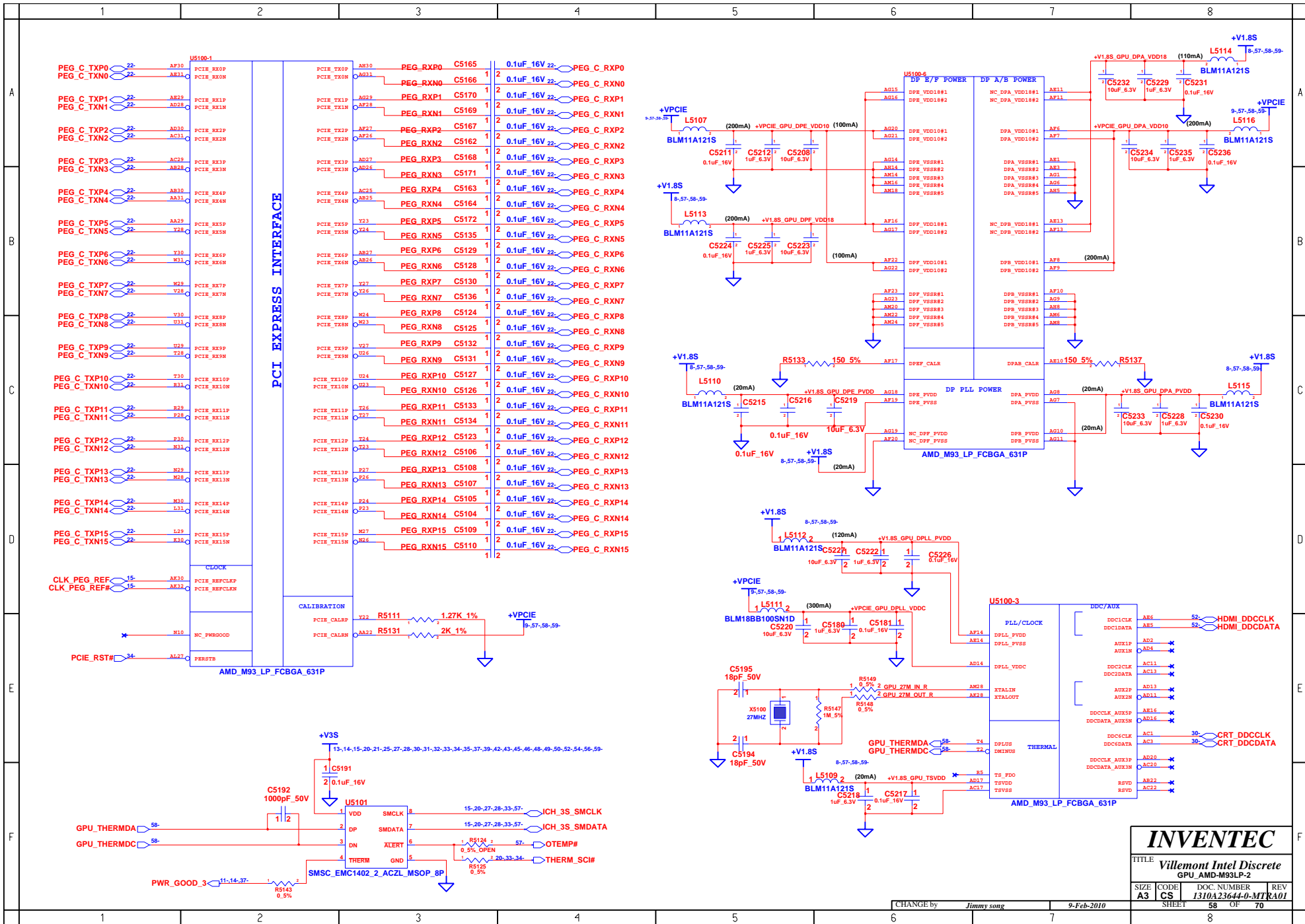
NB Cantiga Side



For Crack Test

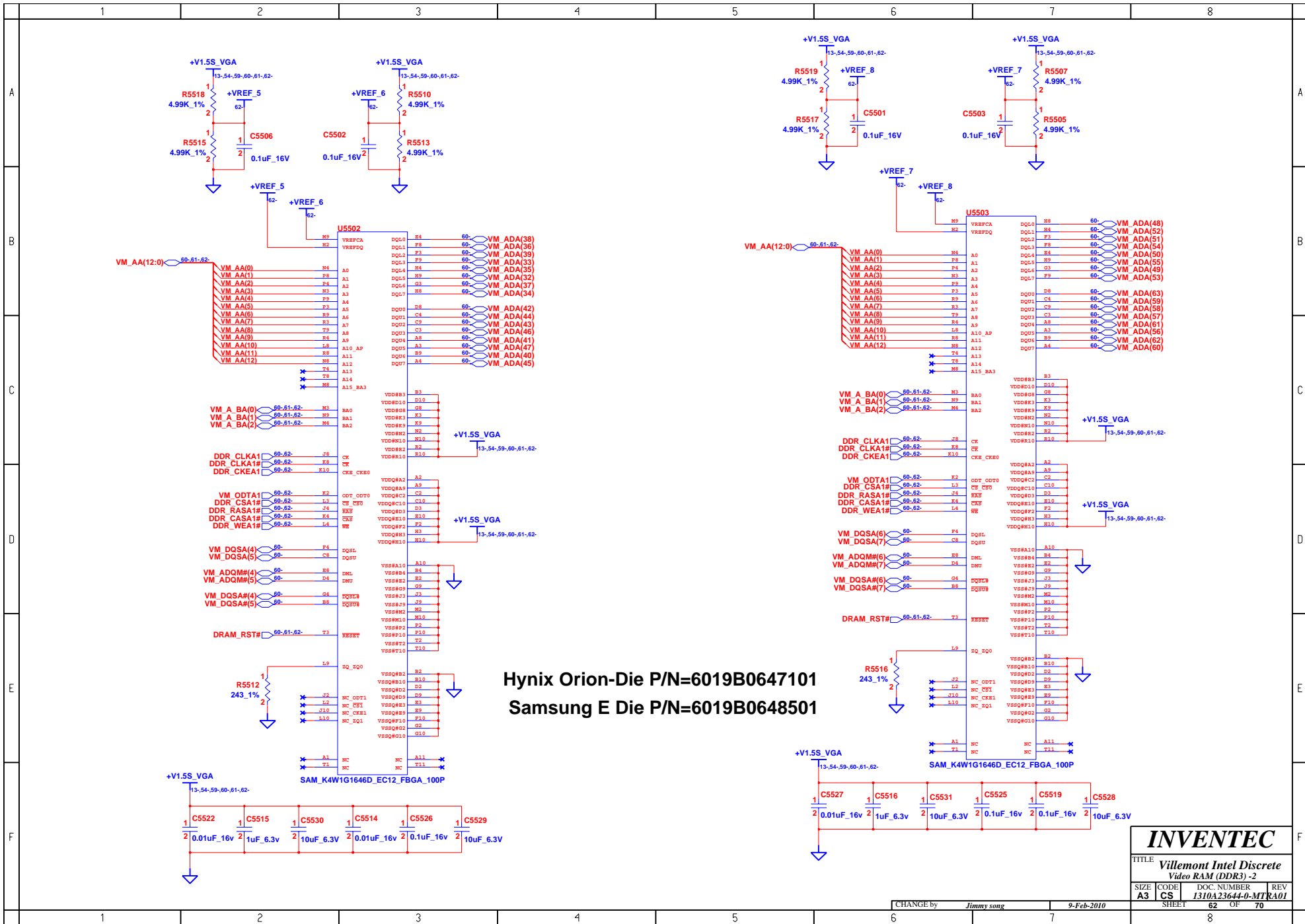
SB ICH9 Side

INVENTEC			
TITLE <i>Villemont Intel Discrete</i>			
Crack testing circuit			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310A23644-0-MT	RA01
CHANGE by <i>Jimmy song</i>		9-Feb-2010	
SHEET 56		OF 70	



INVENTEC			
TITLE Villemont Intel Discrete GPU_AMD-M93LP-2			
SIZE A3	CODE CS	DOC. NUMBER 1310A23644-0-MTR	REV KA01
CHANGE by <i>Jimmy song</i>		9-Feb-2010	
SHEET 58		OF 70	

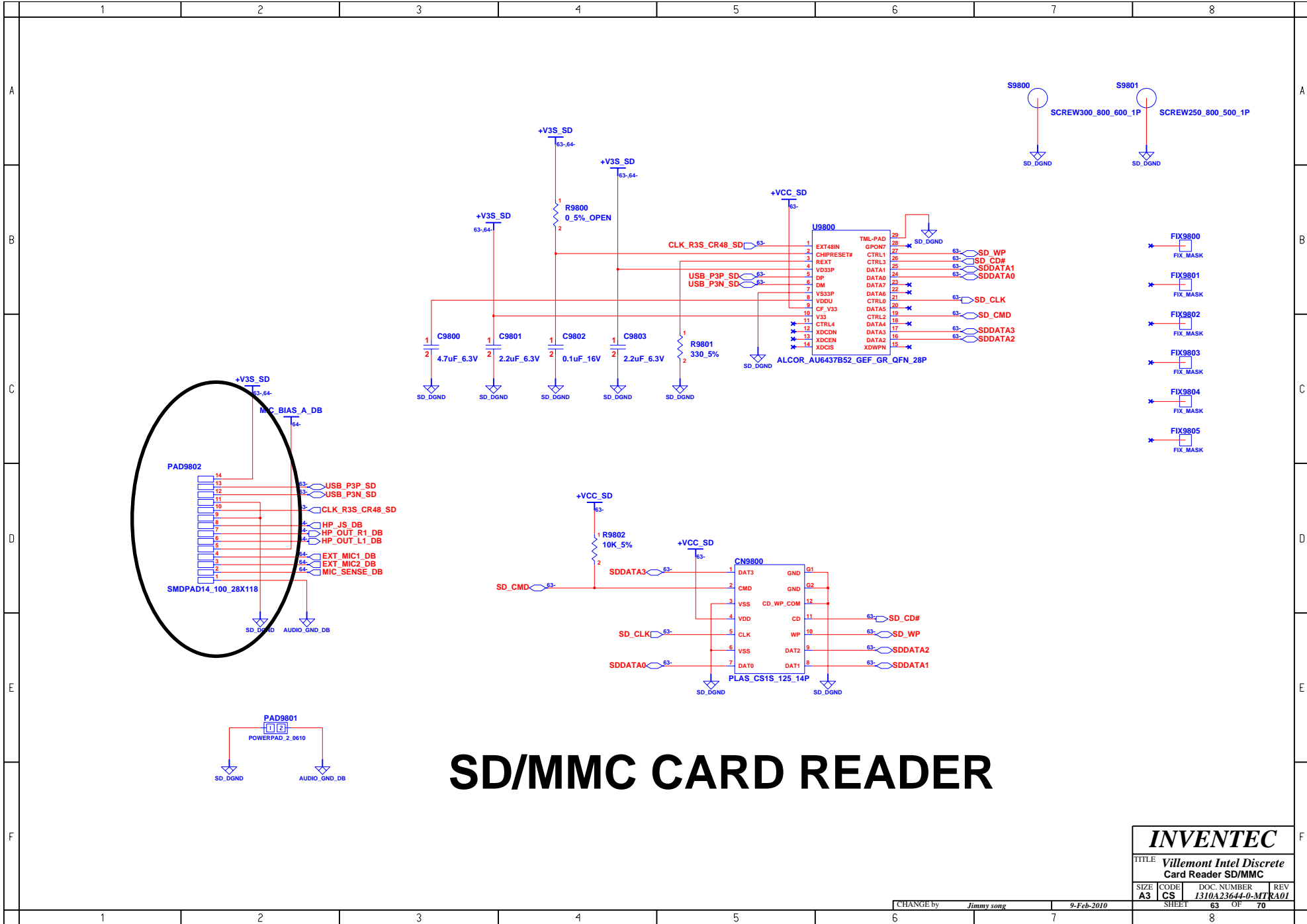
http://sualaptop365.com/fix/vn



Hynix Orion-Die P/N=6019B0647101
 Samsung E Die P/N=6019B0648501

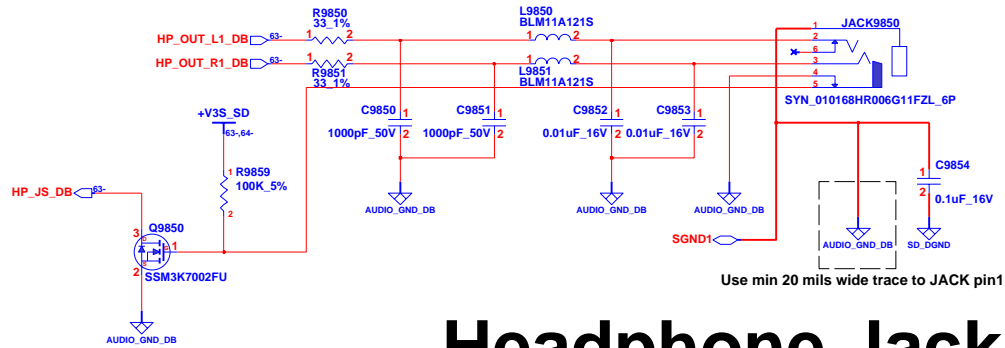
INVENTEC			
TITLE Villemont Intel Discrete Video RAM (DDR3) -2			
SIZE A3	CODE CS	DOC. NUMBER 1310A23644-0-MTR	REV RA01
SHEET 62		OF 70	

CHANGE by *Jimmy song* 9-Feb-2010

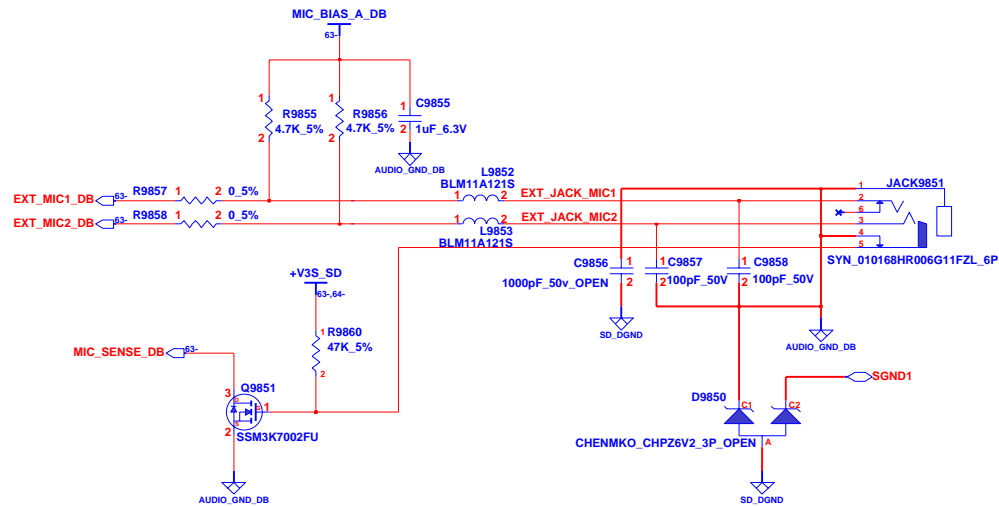


SD/MMC CARD READER

INVENTEC			
TITLE <i>Villemont Intel Discrete Card Reader SD/MMC</i>			
SIZE A3	CODE CS	DOC. NUMBER <i>1310A23644-0-MTR</i>	REV RA01
CHANGE by <i>Jimmy song</i>		9-Feb-2010	
SHEET 63		OF 70	

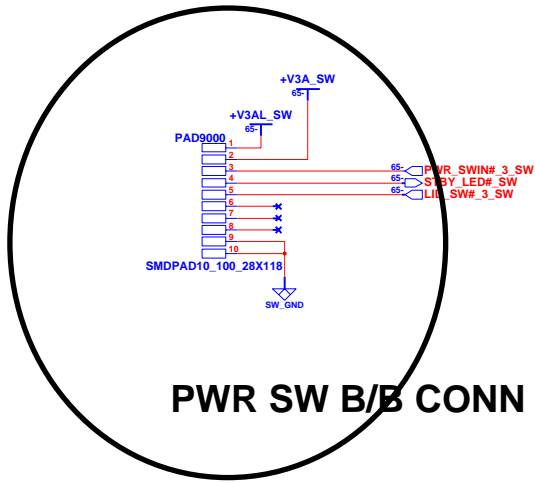


Headphone Jack

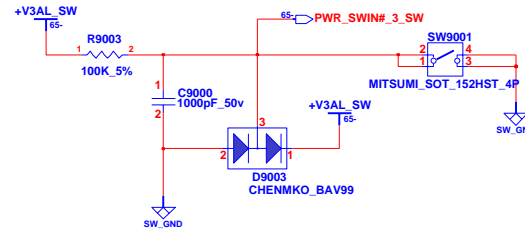


MIC Jack

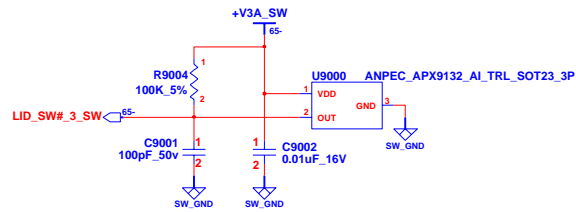
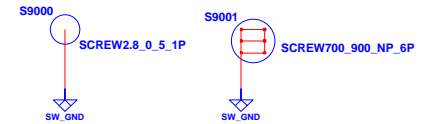
INVENTEC			
TITLE Villemont Intel Discrete			
Headphone & MIC			
SIZE A3	CODE CS	DOC. NUMBER 1310A23644-0-MT	REV RA01
CHANGE by <i>Jimmy song</i>		9-Feb-2010	SHEET 64 OF 70



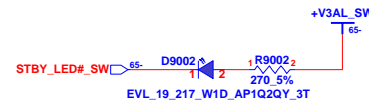
PWR SW B/B CONN



Power Button



LID Switch



Power / Standby LED

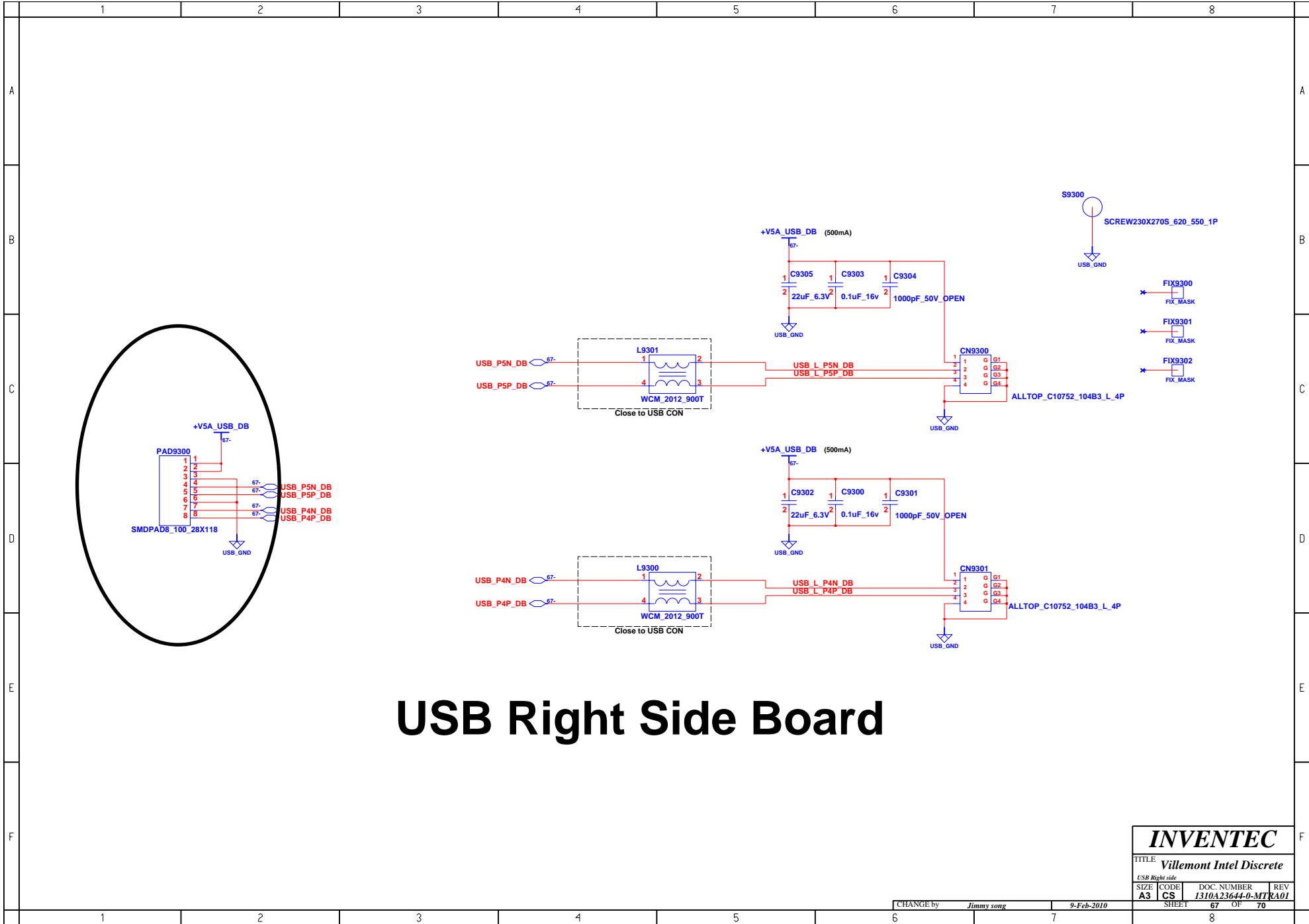
Power Button & LID Switch Board

INVENTEC			
TITLE Villemont Intel Discrete			
Power button & LID switch			
SIZE A3	CODE CS	DOC NUMBER 1310A23644-0-MTR	REV RA01
CHANGE by <i>Jimmy song</i>		9-Feb-2010	SHEET 65 OF 70

BLANK

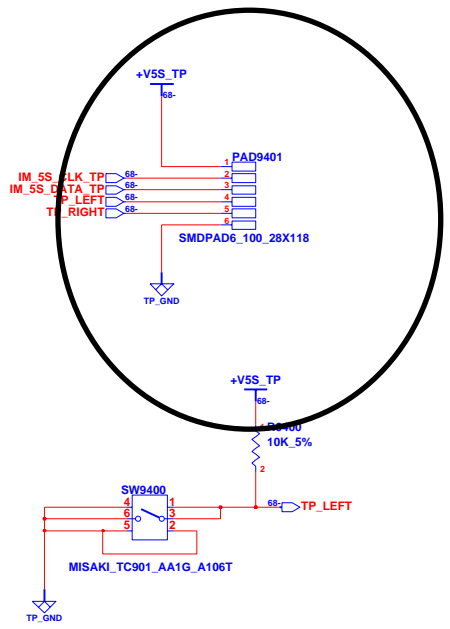
14" ODD Extend Board

INVENTEC			
TITLE Villemont Intel Discrete			
<small>14" ODD EXT/B</small>			
SIZE A3	CODE CS	DOC. NUMBER 1310A23644-0-MTR	REV A01
CHANGE by <i>Jimmy song</i>		9-Feb-2010	
SHEET 66		OF 70	

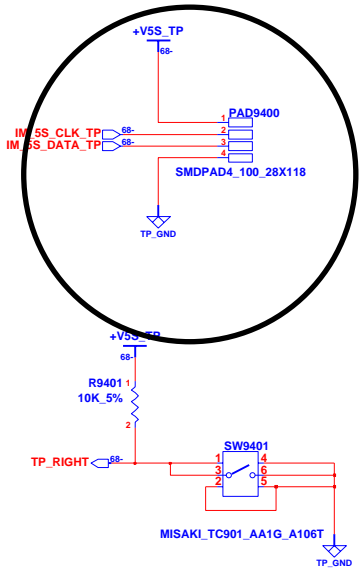


USB Right Side Board

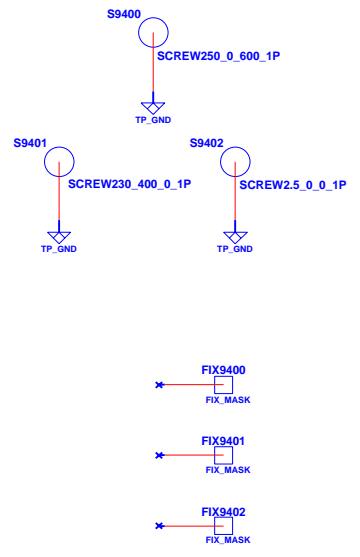
INVENTEC			
TITLE Villemont Intel Discrete			
USB Right side			
SIZE A3	CODE CS	DOC. NUMBER 1310A23644-0-MTR	REV A01
CHANGE by <i>Jimmy song</i>		9-Feb-2010	
SHEET 67		OF 70	



LEFT BUTTON

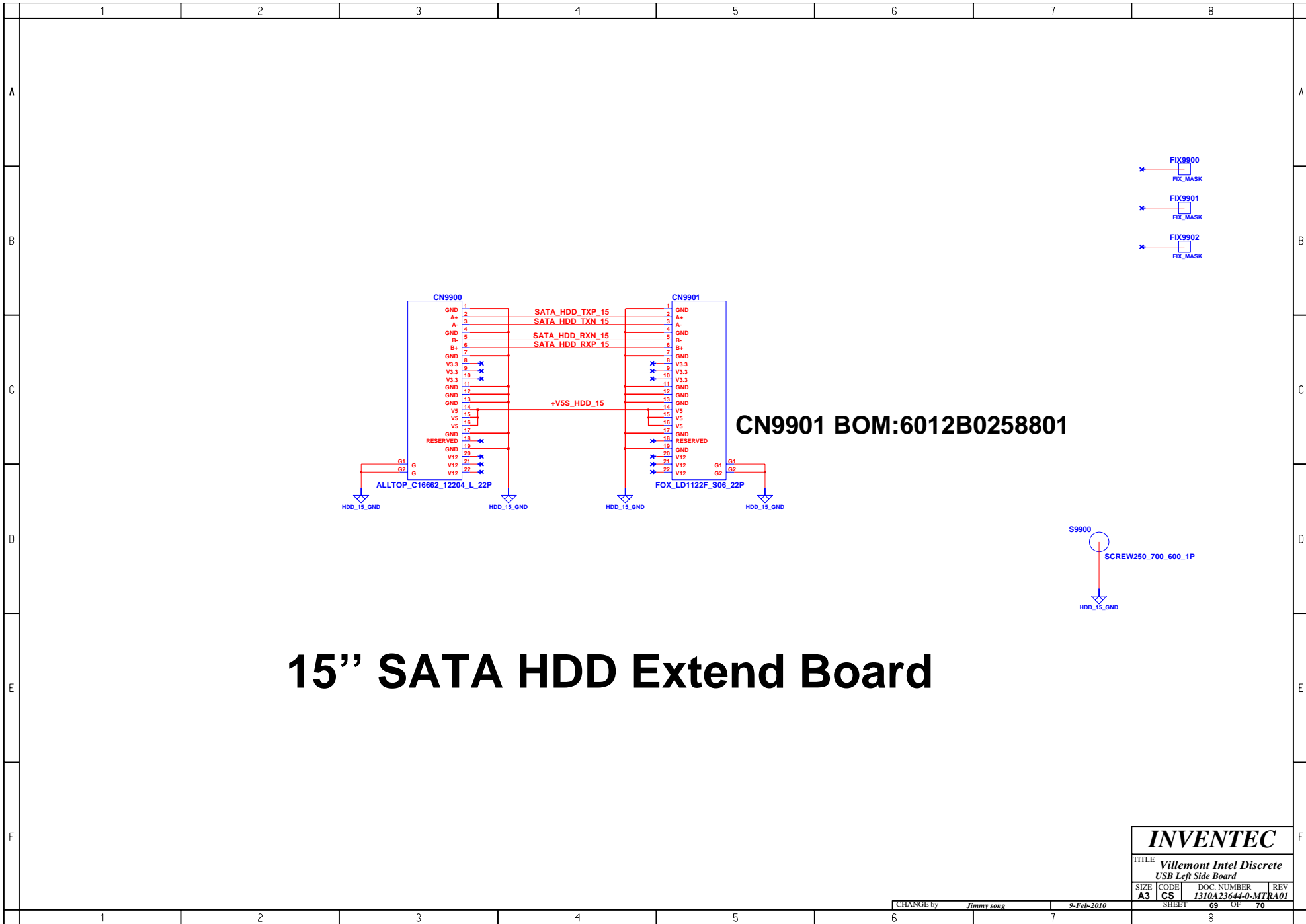


RIGHT BUTTON

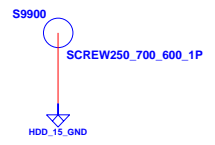
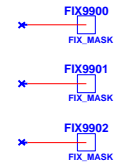


PICK Button Board

INVENTEC			
TITLE Villemont Intel Discrete Pick button			
SIZE A3	CODE CS	DOC. NUMBER 1310A23644-0-MTR	REV A01
CHANGE by Jimmy song		DATE 27-Sep-2003	SHEET 68 OF 70



15" SATA HDD Extend Board



INVENTEC			
TITLE <i>Villemont Intel Discrete USB Left Side Board</i>			
SIZE A3	CODE CS	DOC. NUMBER 1310A23644-0-MTR	REV KA01
CHANGE by <i>Jimmy song</i>		9-Feb-2010	SHEET 69 OF 70

