

	1	2	3	4	5	6	7	8																																																																																			
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B	HSF Property : Halogen-Free								B																																																																																		
C	<div>JOURNEY PV-R BUILD 2010.12.28</div>								C																																																																																		
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F									F																																																																																		
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DATE	CHANGE NO.	REV																																																																																									
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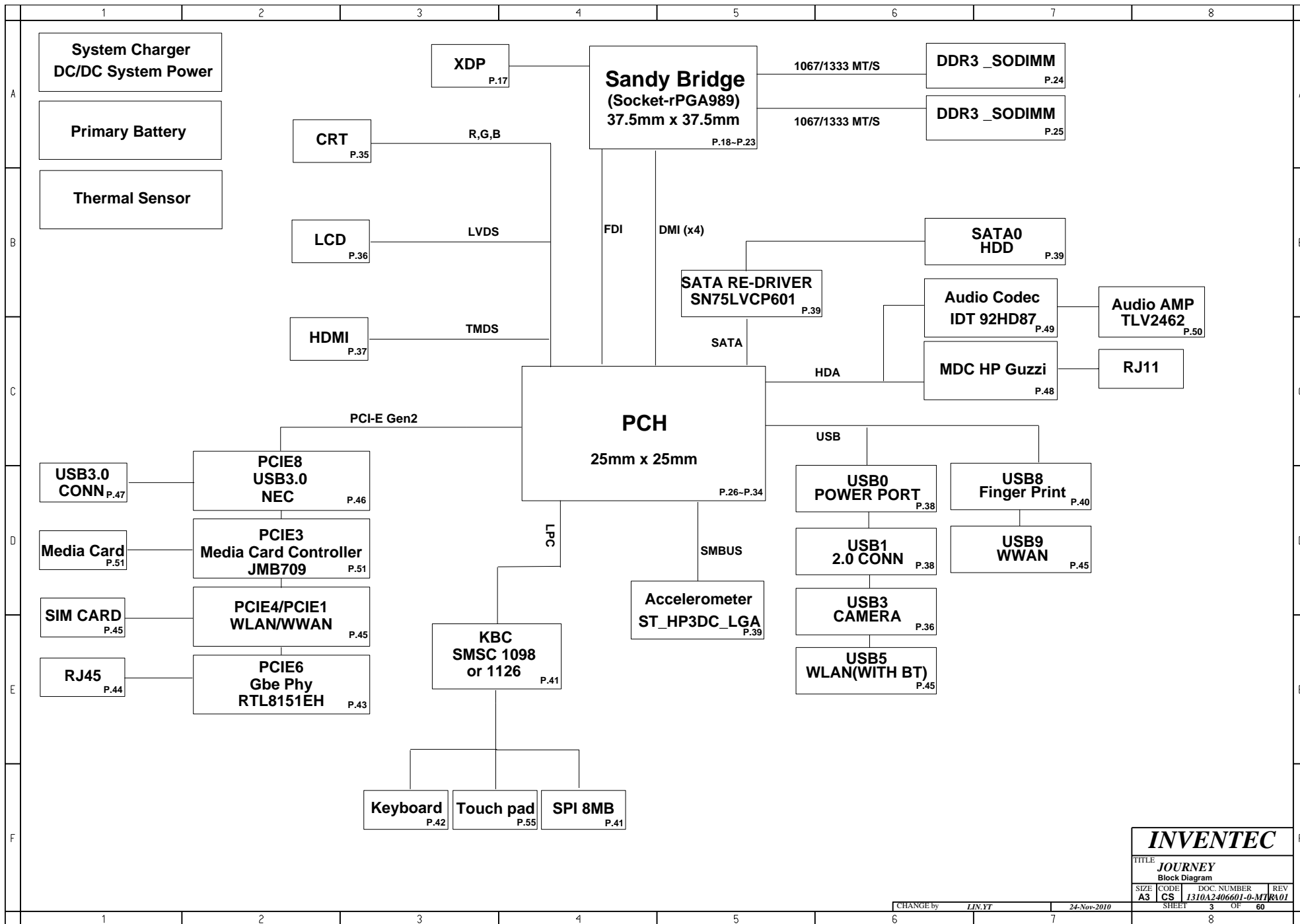
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6- SELECT & BATTERY CONN	27- PCH2	56- DB-POWER BOARD
7- SYSTEM POWER(3V/5V)	28- PCH3	57- DB PICK BOARD
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INVENTEC

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SIZE A3	CODE CS	DOC. NUMBER 1310A2406601-0-MTR	REV R01
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CHANGE by **LIN.YT** 29-Sep-2010



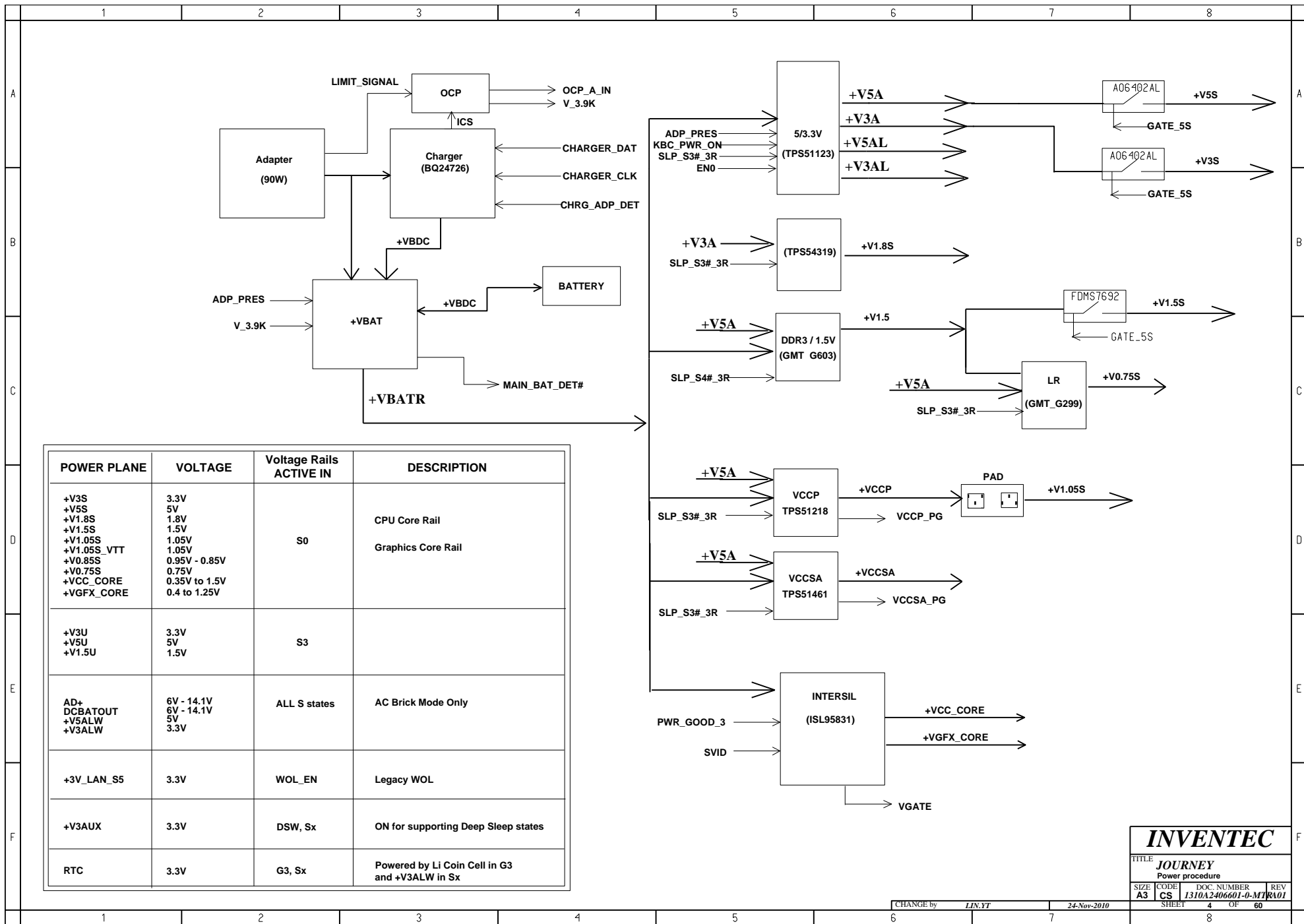
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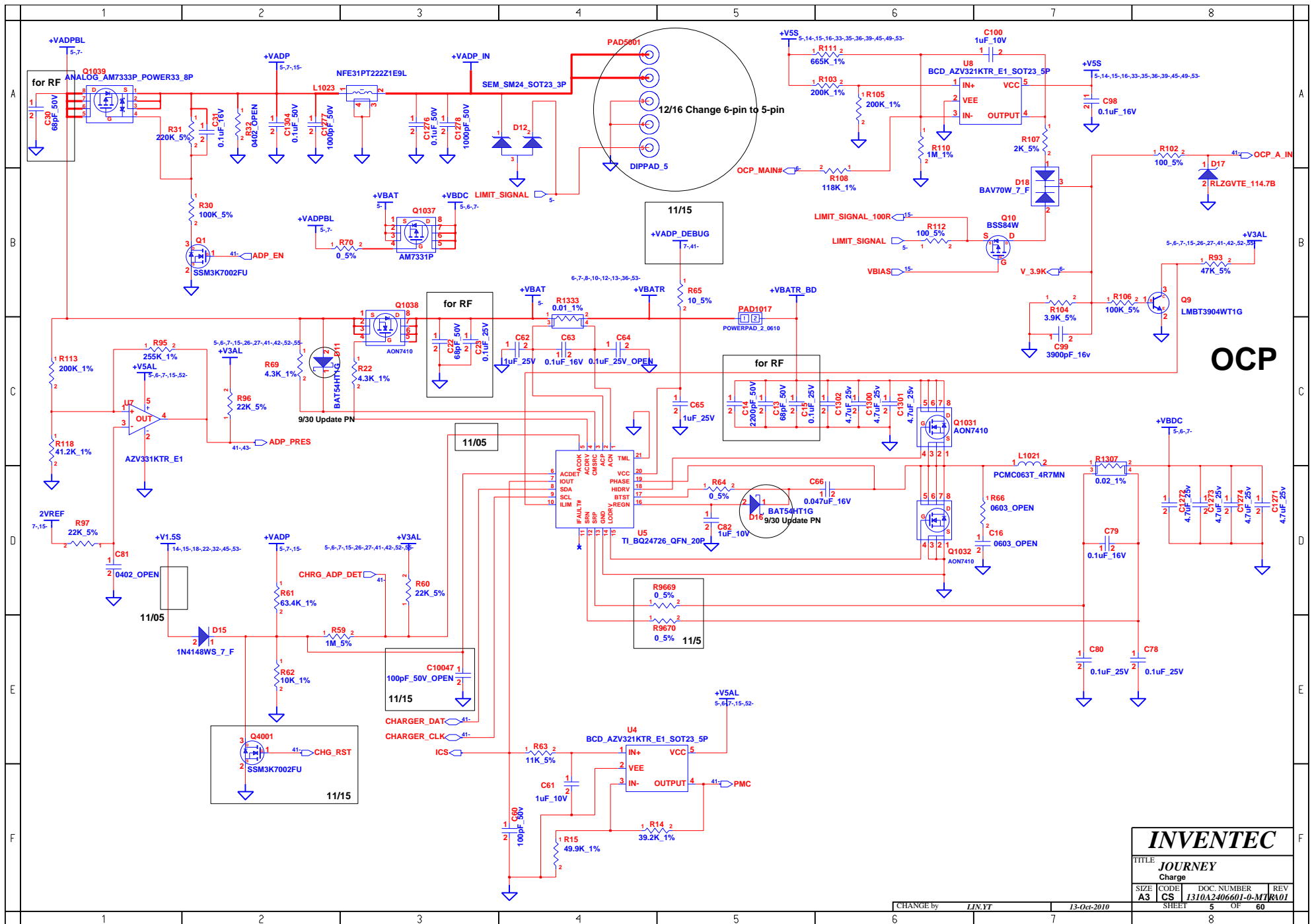
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JOURNEY
Block Diagram

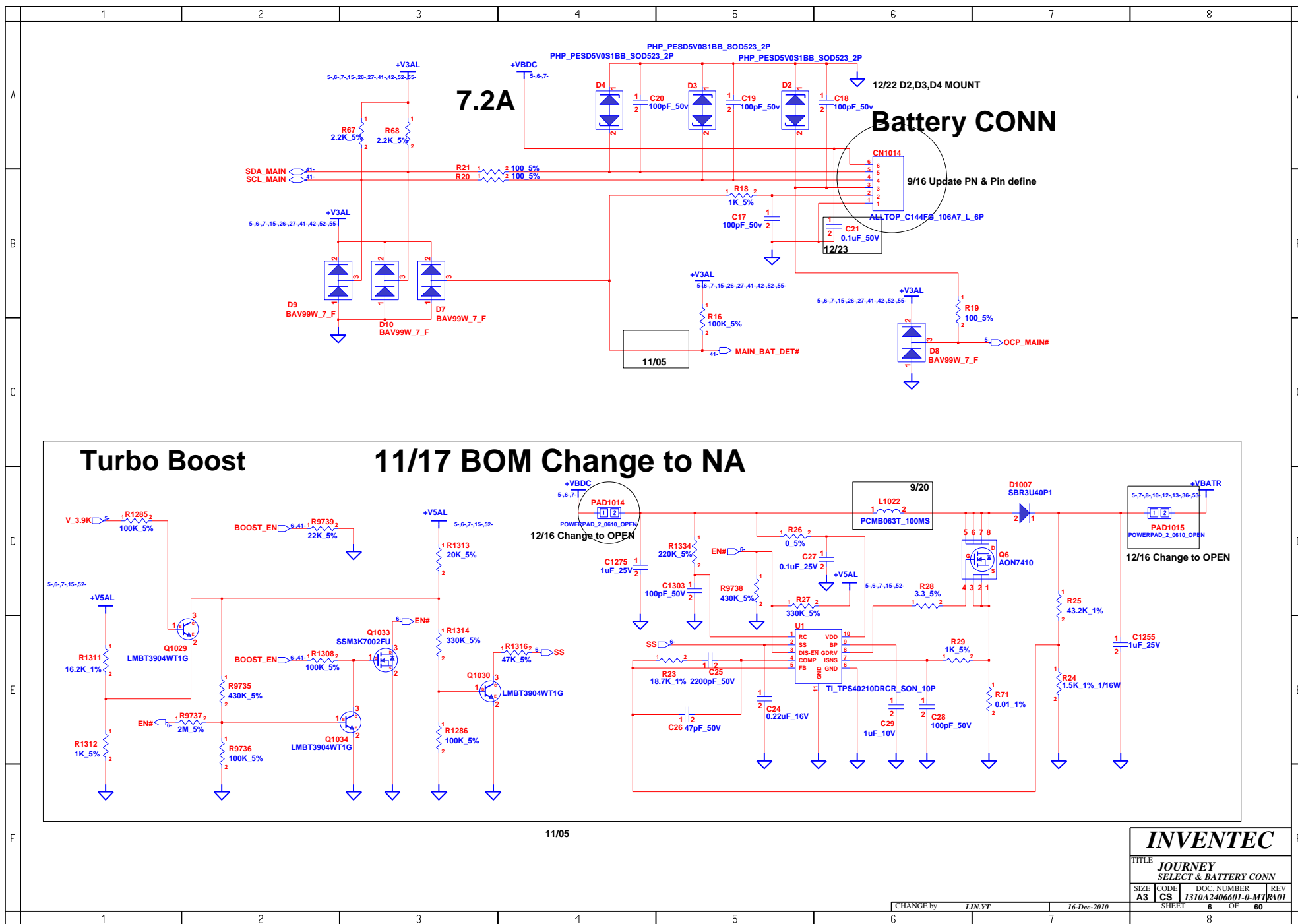
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A3	CS	1310A2406601-0-MT	R01

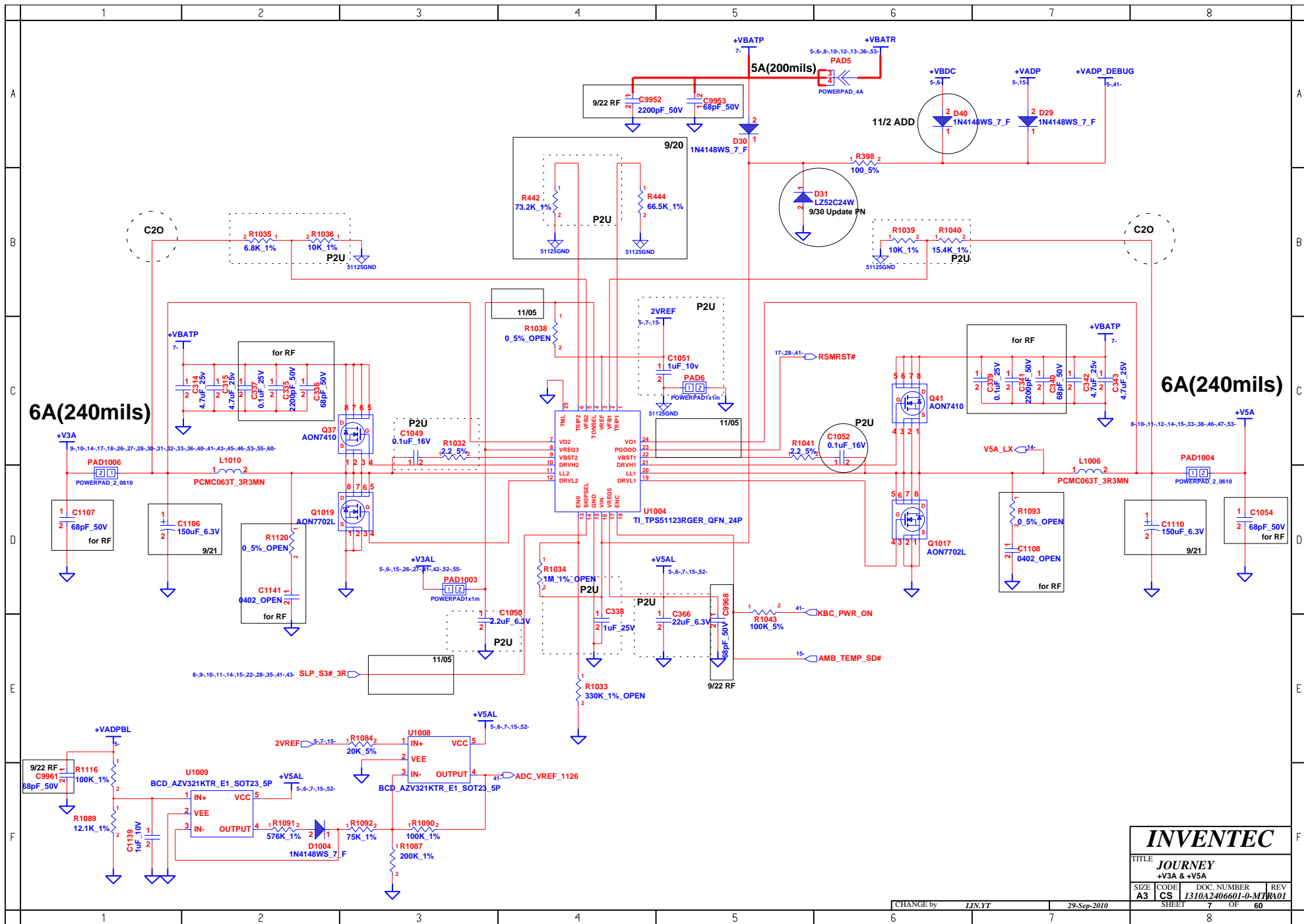
CHANGE by **LJN.YT** 24-Nov-2010

SHEET 3 OF 60





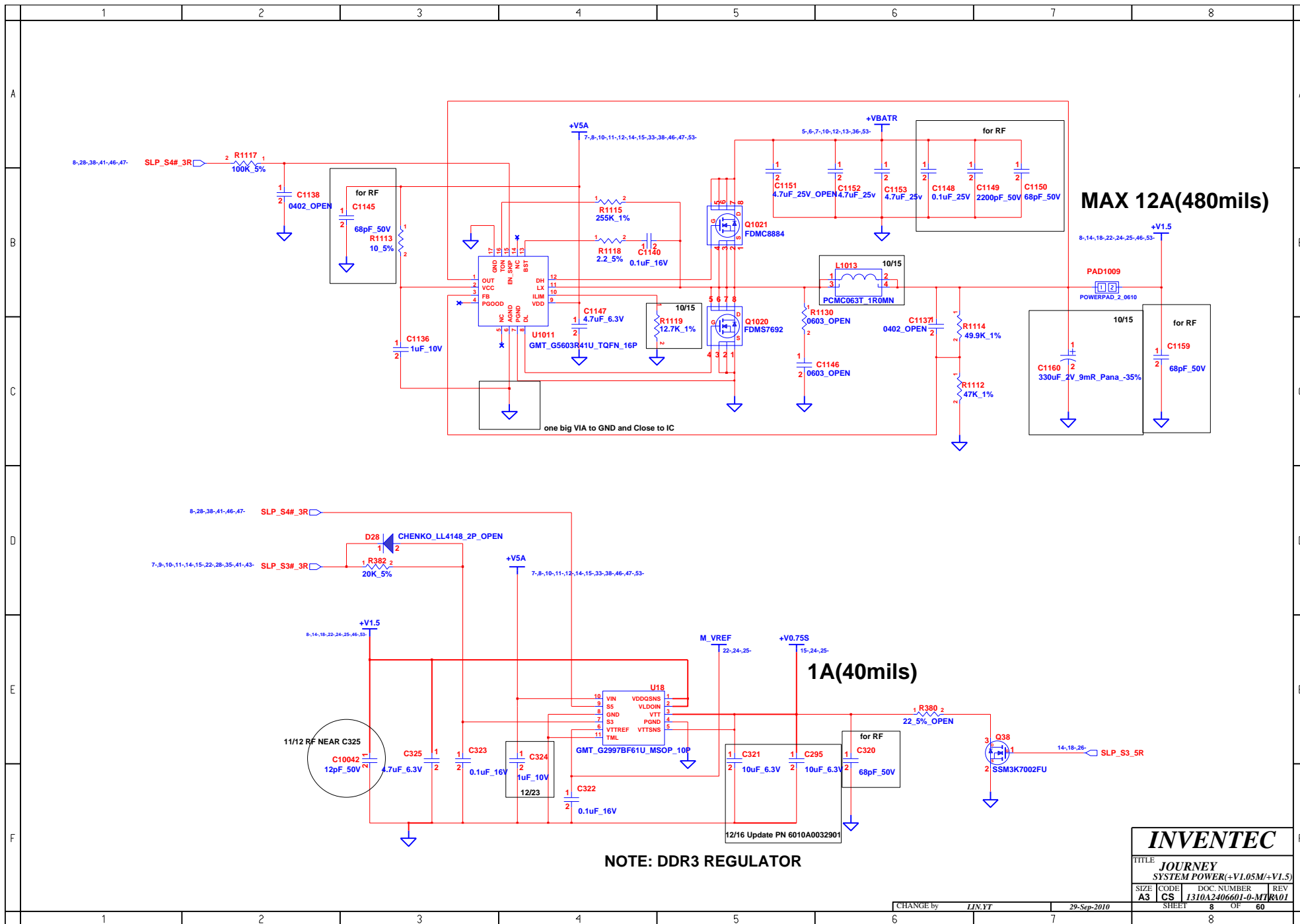




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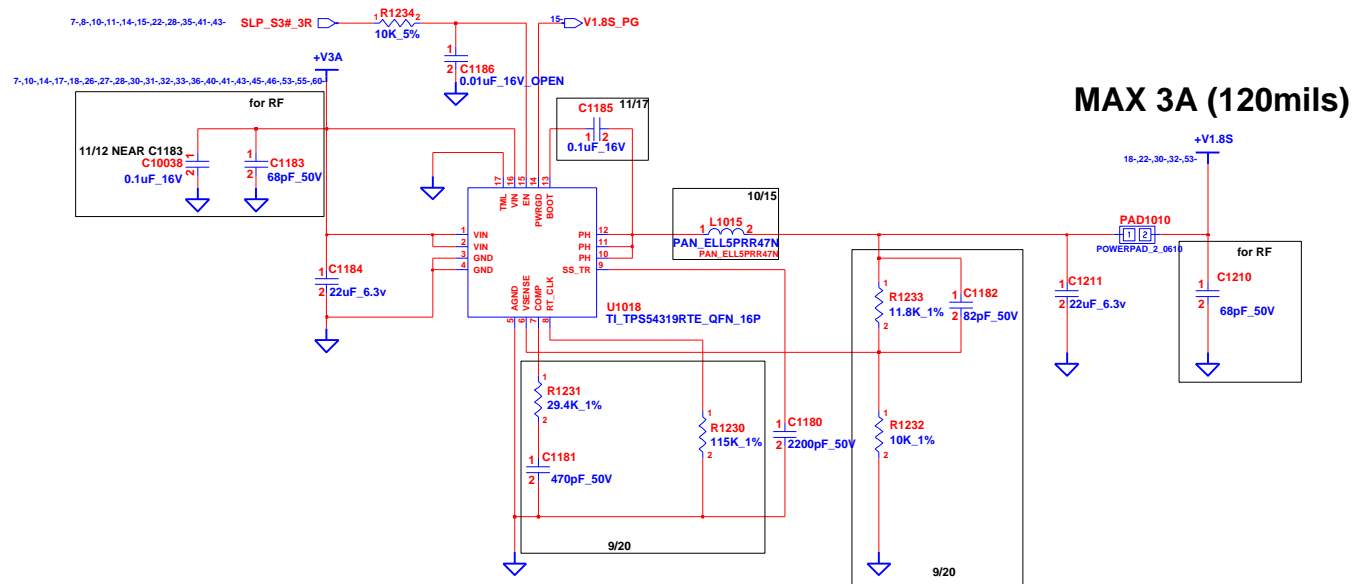
TITLE
JOURNEY
+V3A & +V5A

SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2406601-0-MT	R01



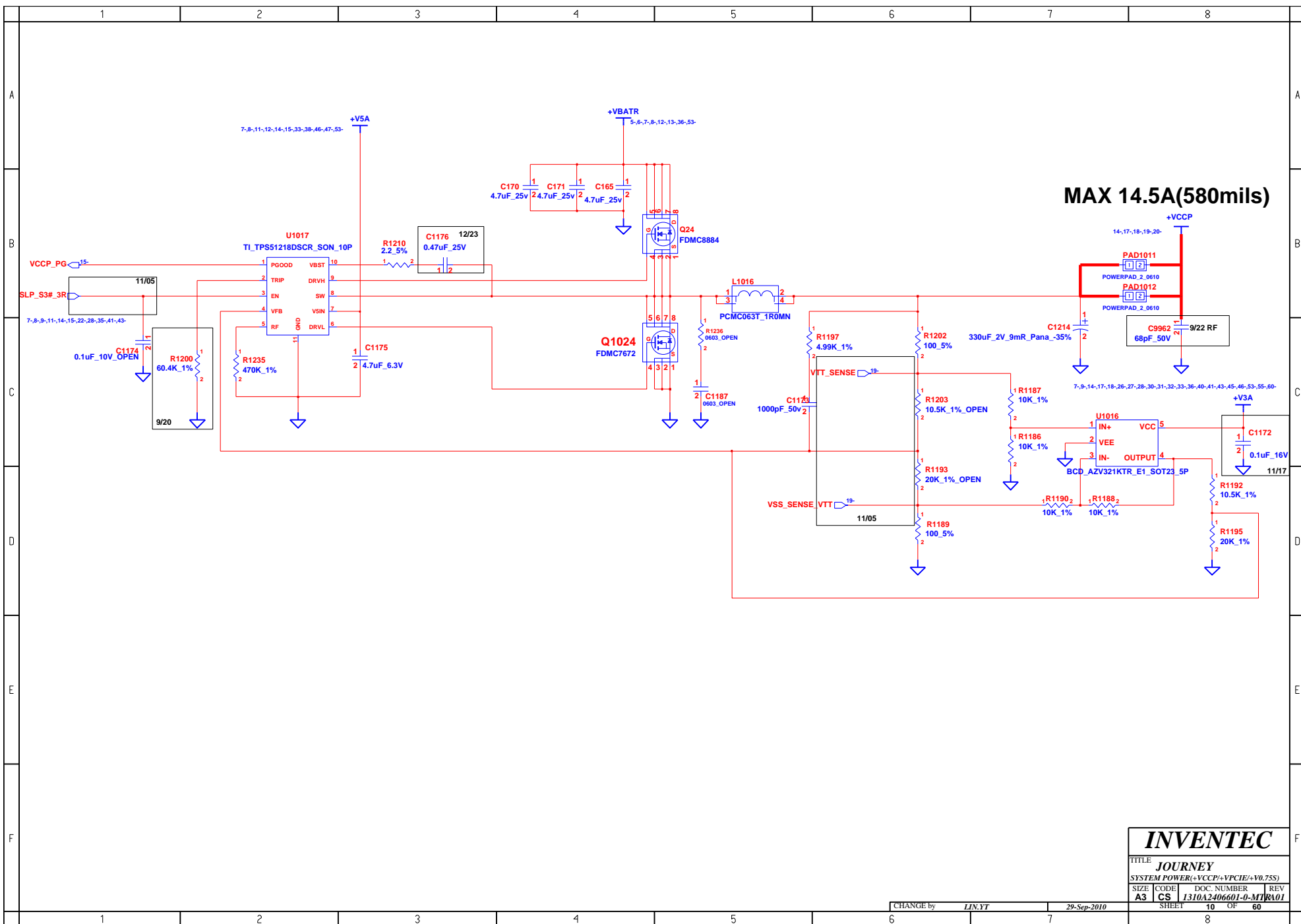
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TITLE: JOURNEY			
SYSTEM POWER(+V1.05M/+V1.5)			
SIZE: A3	CODE: CS	DOC. NUMBER: 1310A2406601-0-MTR	REV: R01
SHEET: 8		OF: 60	

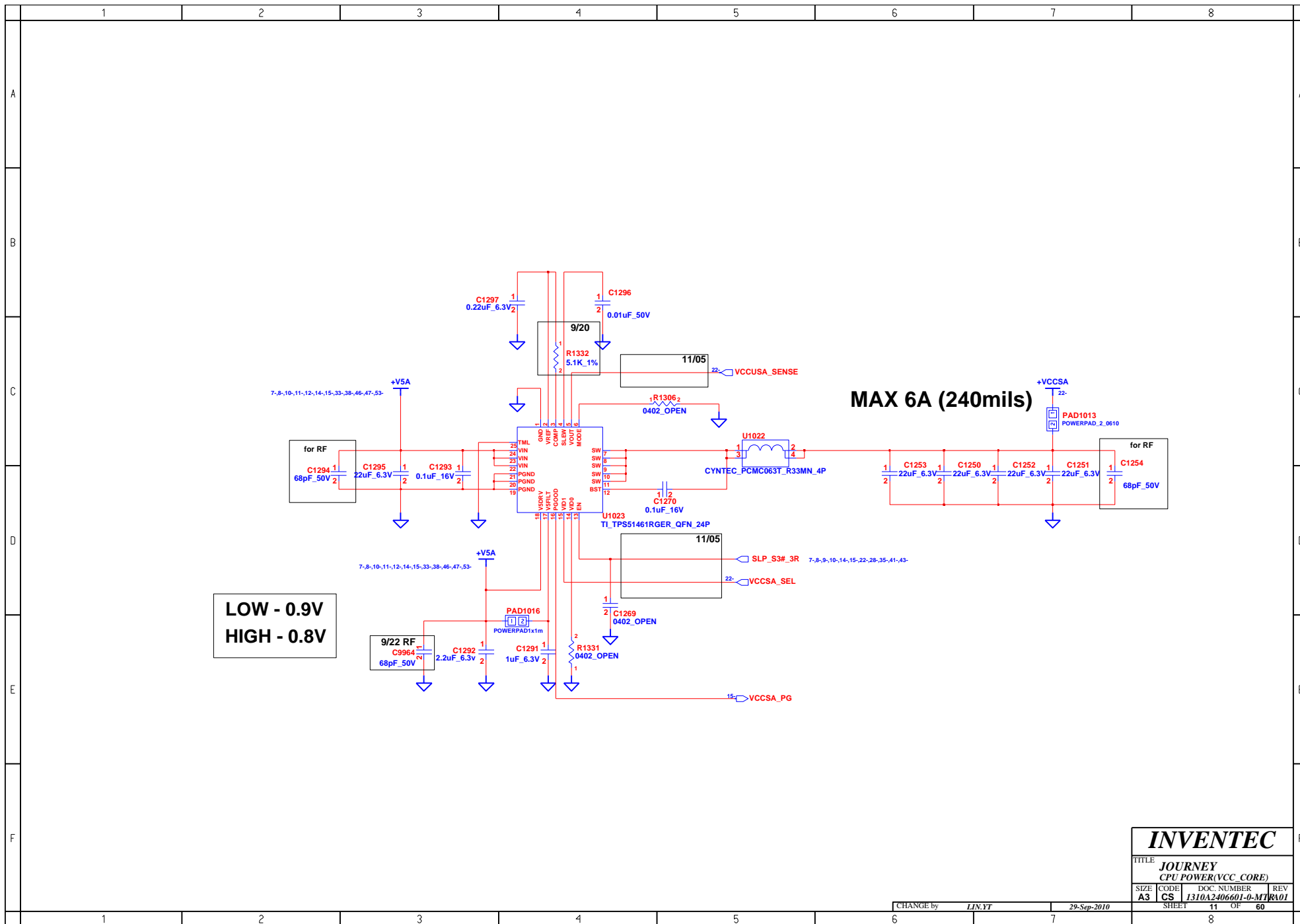
CHANGE by: L.J.Y.T 29-Sep-2010

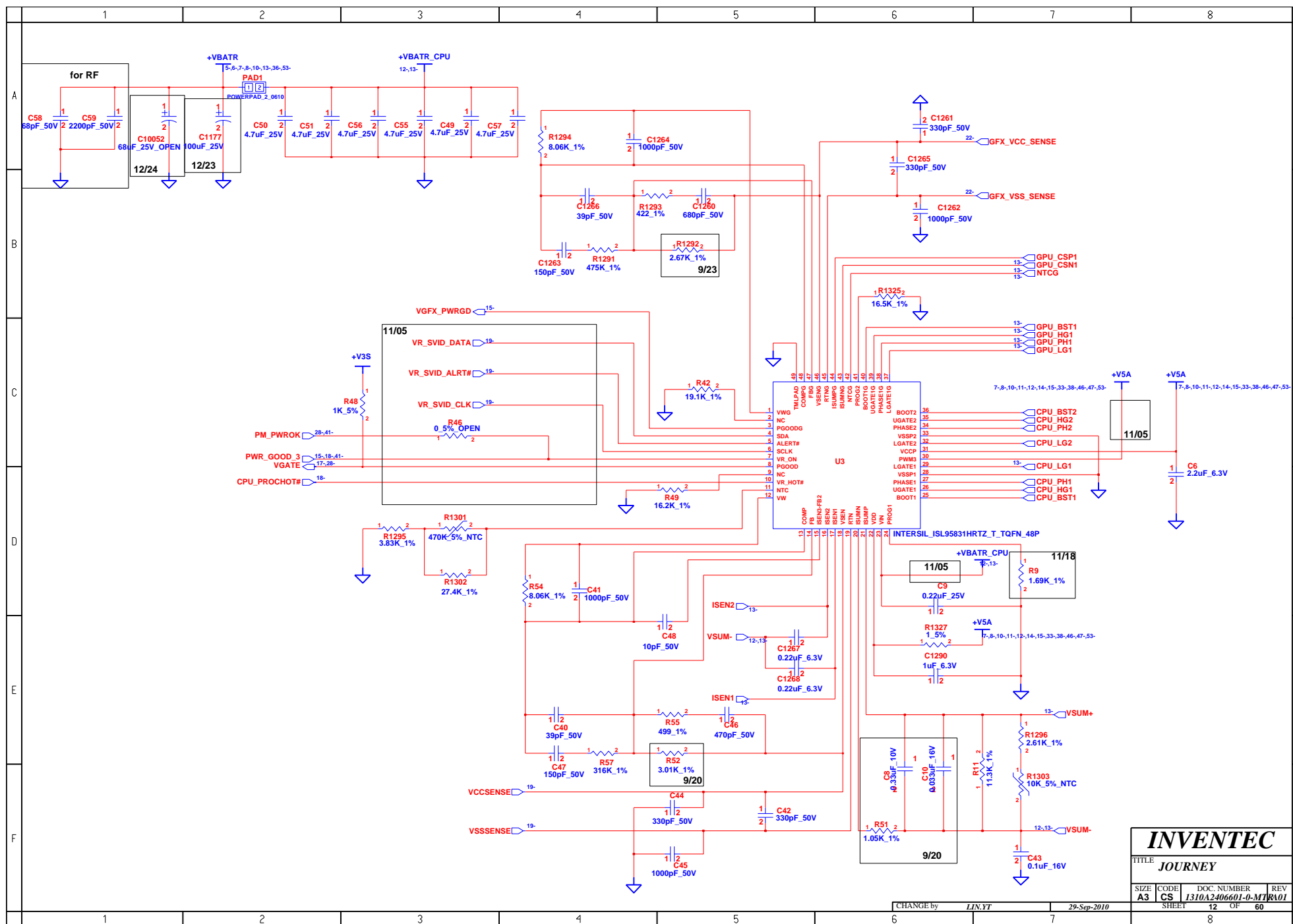


INVENTEC			
TITLE JOURNEY			
GPU POWER(VDD_CORE/+V1.8S)			
SIZE A3	CODE CS	DOC. NUMBER 1310A2406601-0-MT	REV R01
SHEET 9		OF 60	

CHANGE by LJN.YT 12-Nov-2010







VCC_CORE (SV 35W-->MAX 53A)

33A(1320mils)

INVENTEC
JOURNEY

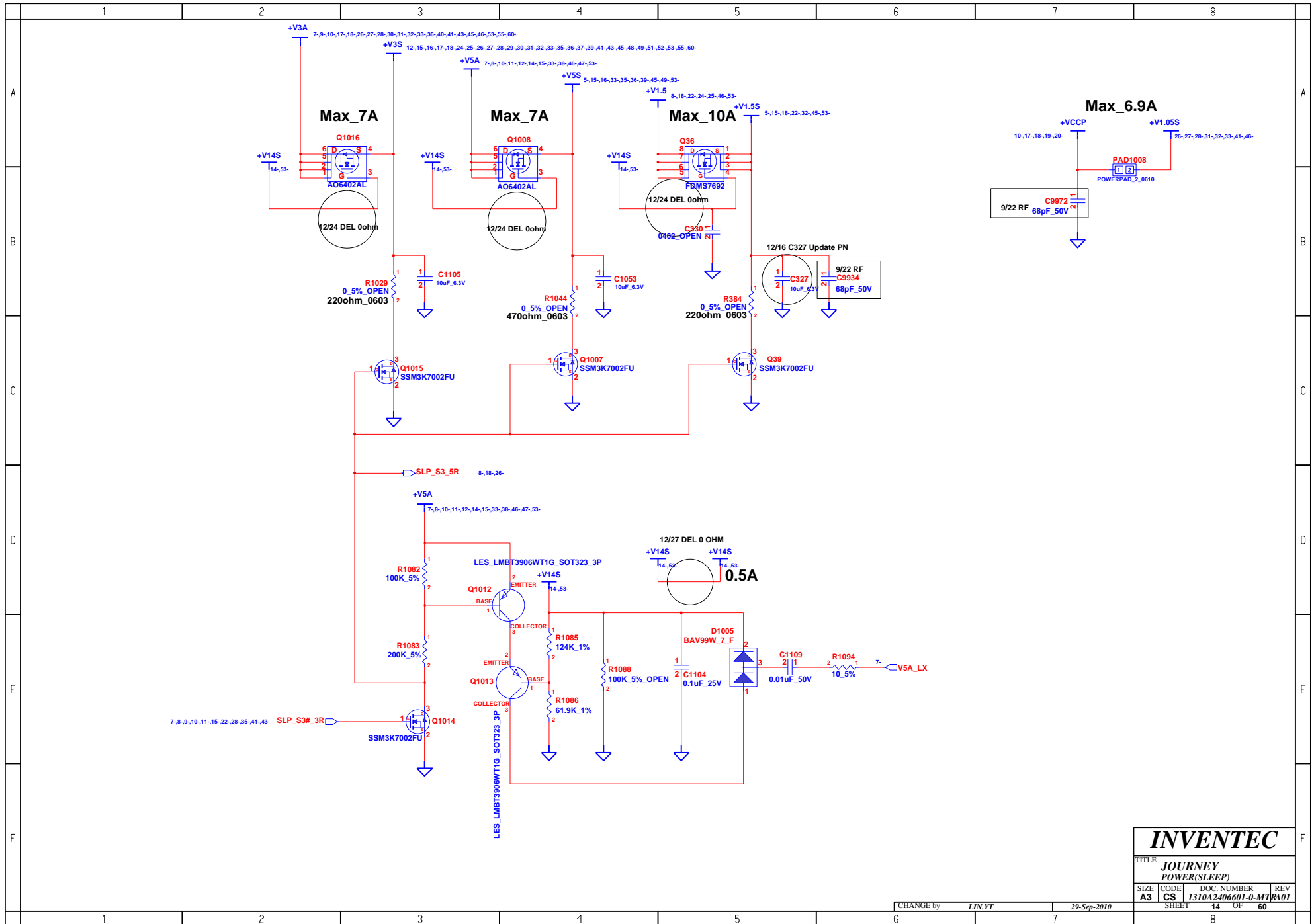
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A3	CS	1310A2406601-0-MT	RA01

CHANGE by: L/N.YT 29-Sep-2010

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SIZE A3	CODE CS	DOC. NUMBER <i>1310A2406601-0-MTR</i>	R RA
SHEET		13	OF 60

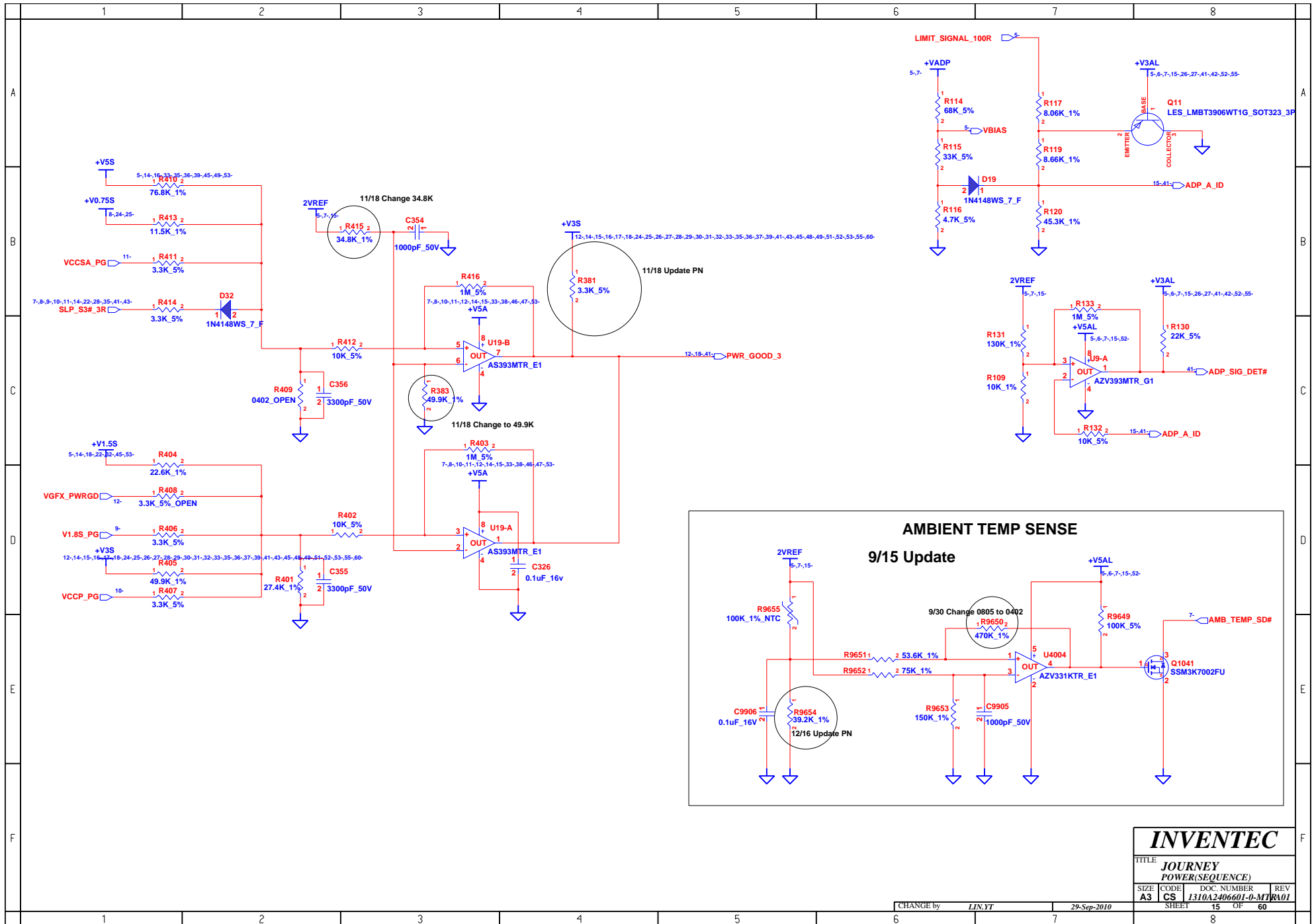
CHANGE by	<i>LIN, YT</i>	<i>29-Sep-2016</i>
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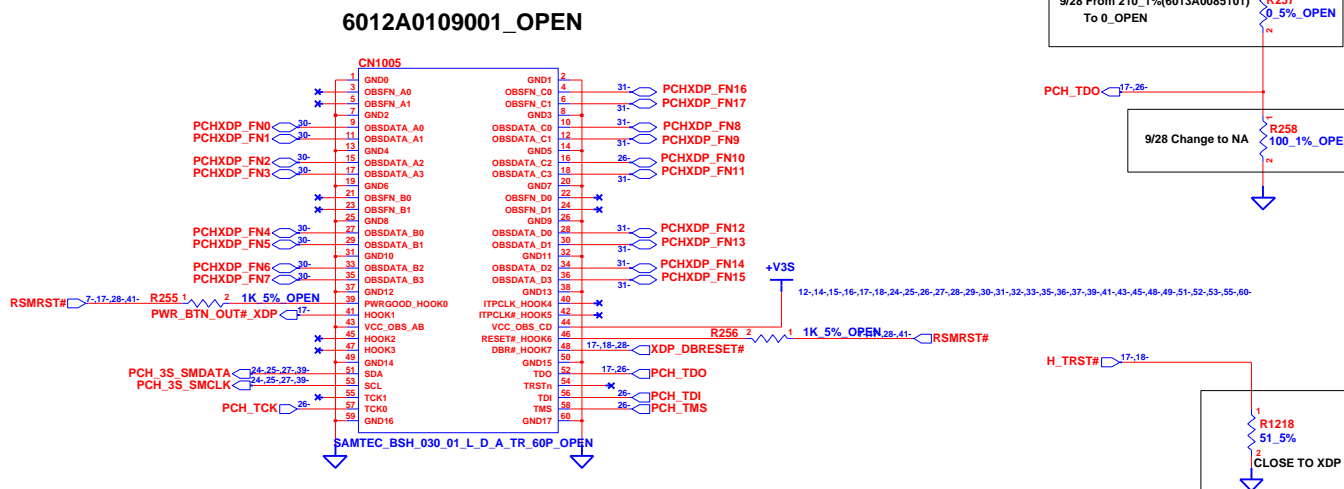
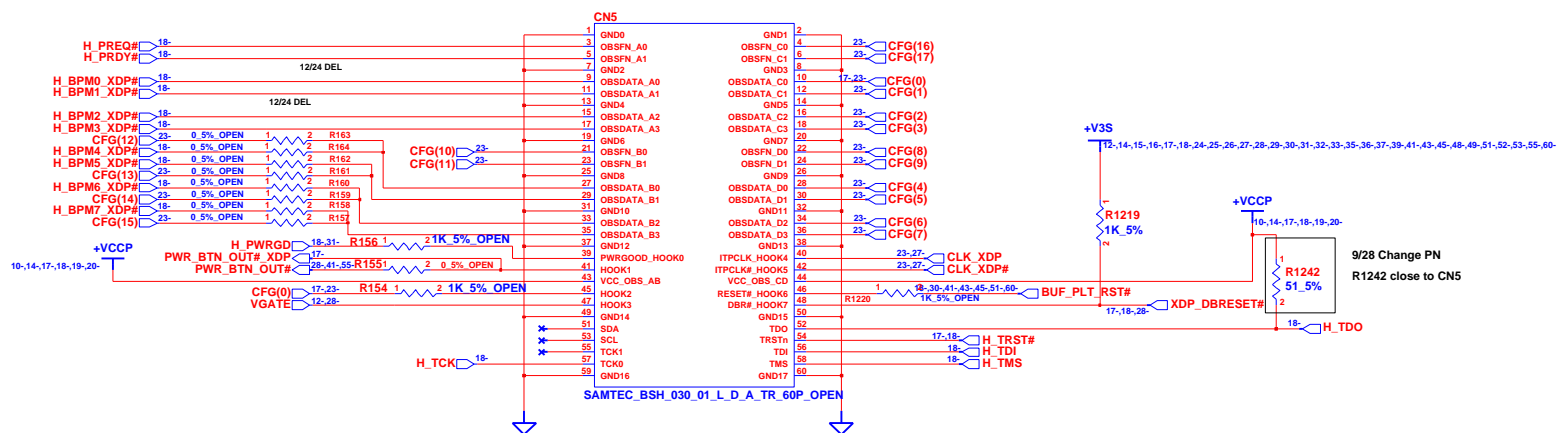


INVENTEC

TITLE			
JOURNEY POWER(SLEEP)			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2406601-0-MT	R01
SHEET		14	OF 60

CHANGE by *LIN.YT* 29-Sep-2010





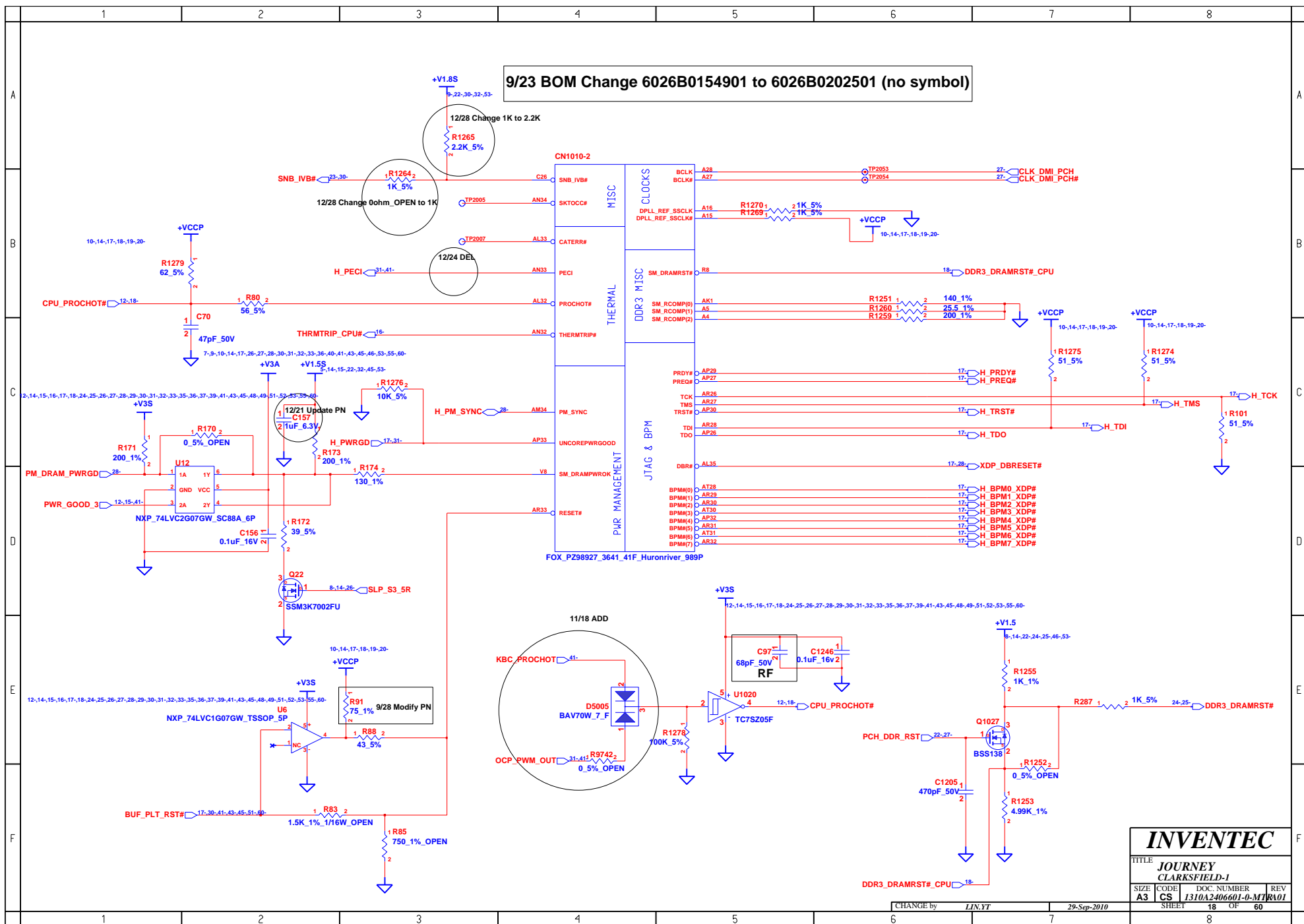
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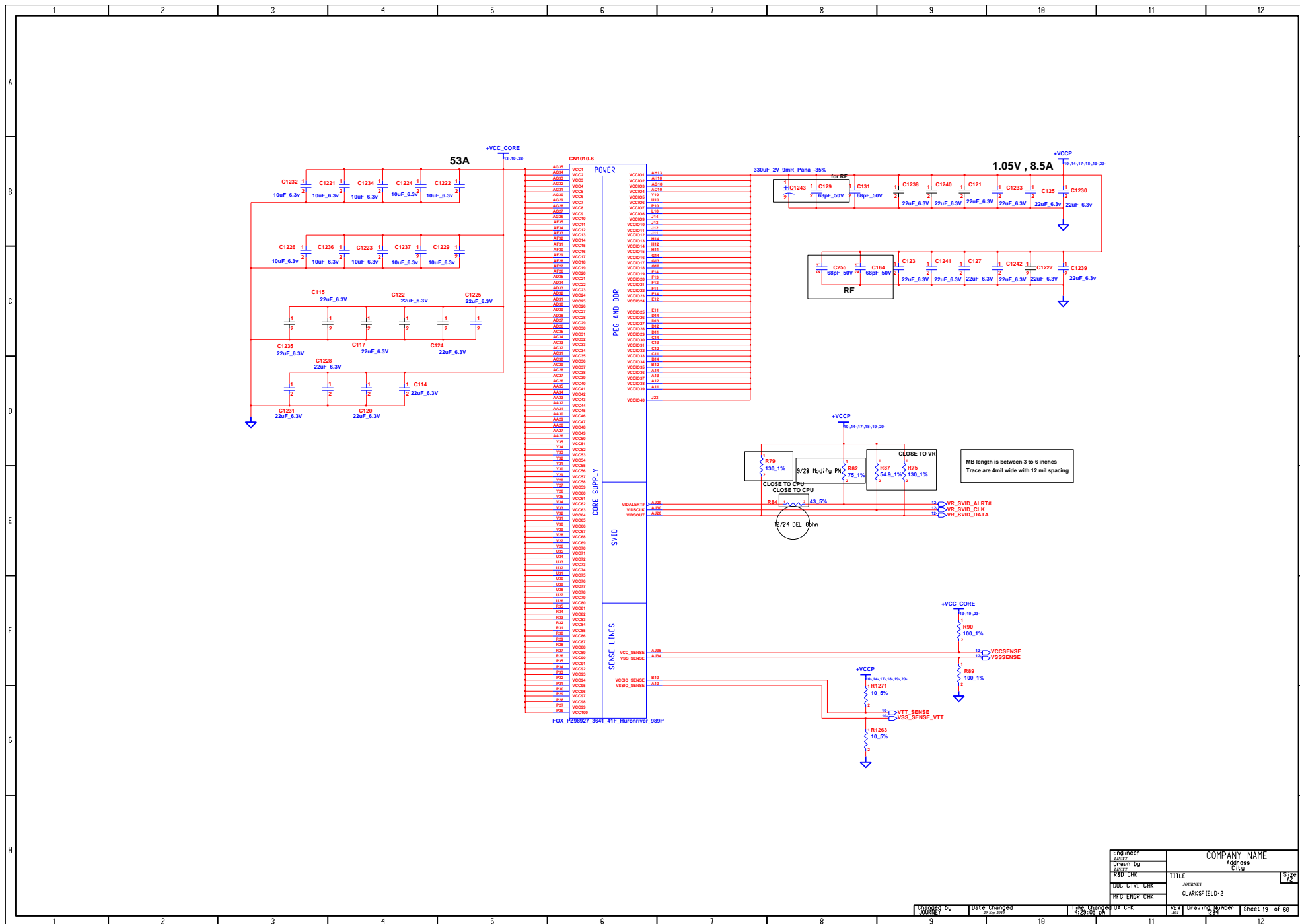
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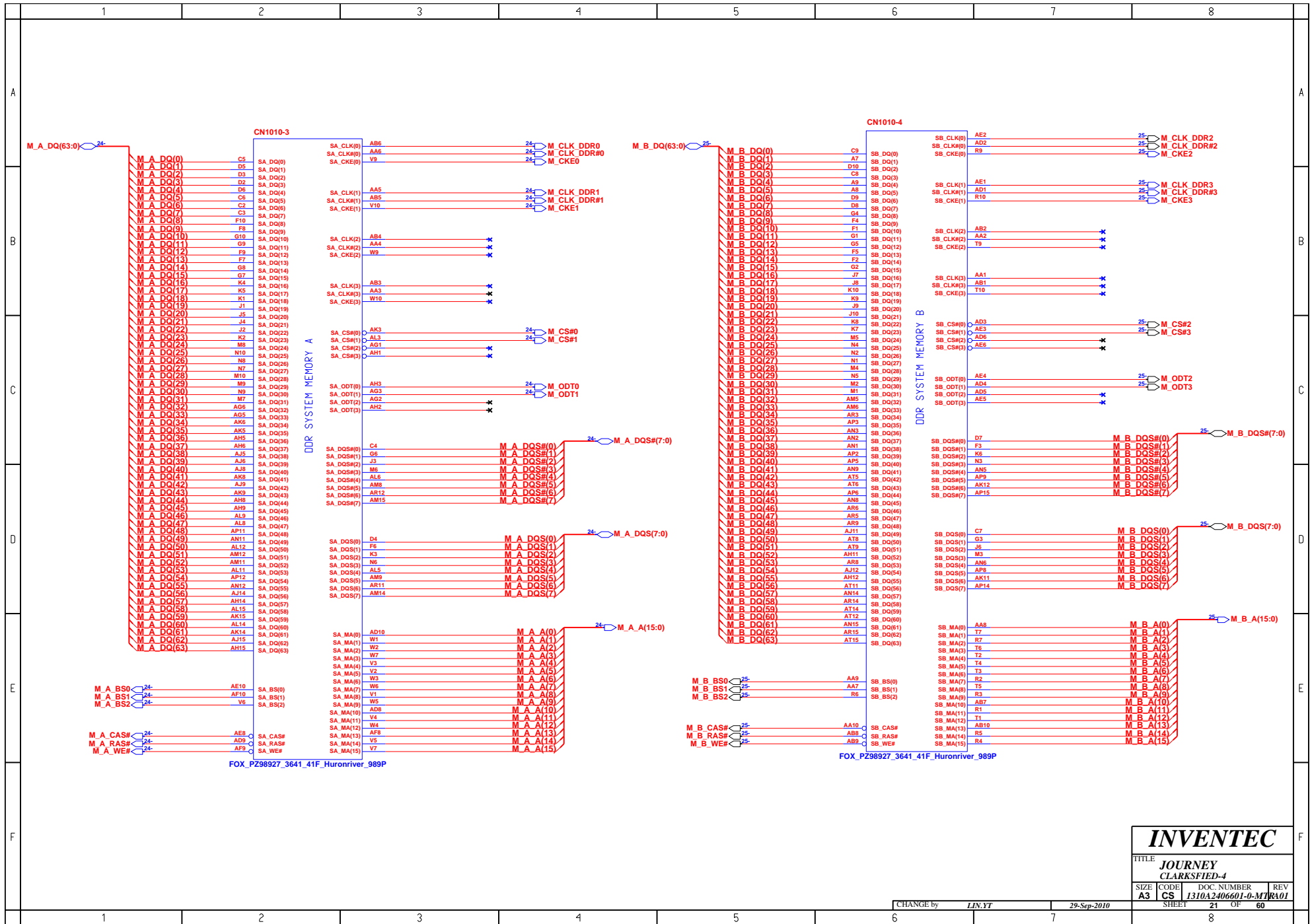
CHANGE by **LIN.YT** 29-Sep-2010

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TITLE			
JOURNEY CLARKSFIELD-I			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2406601-0-MTR	A01
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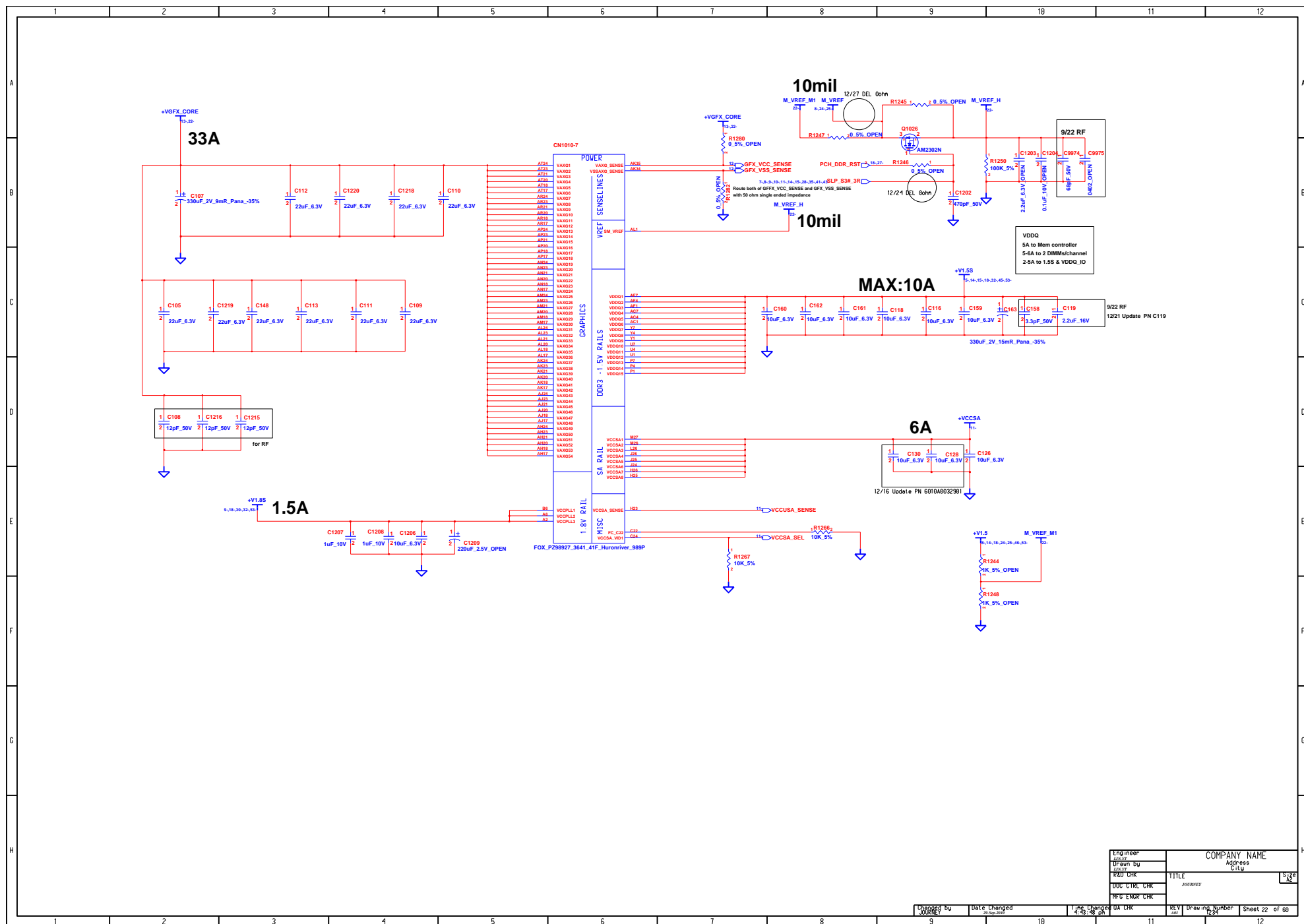
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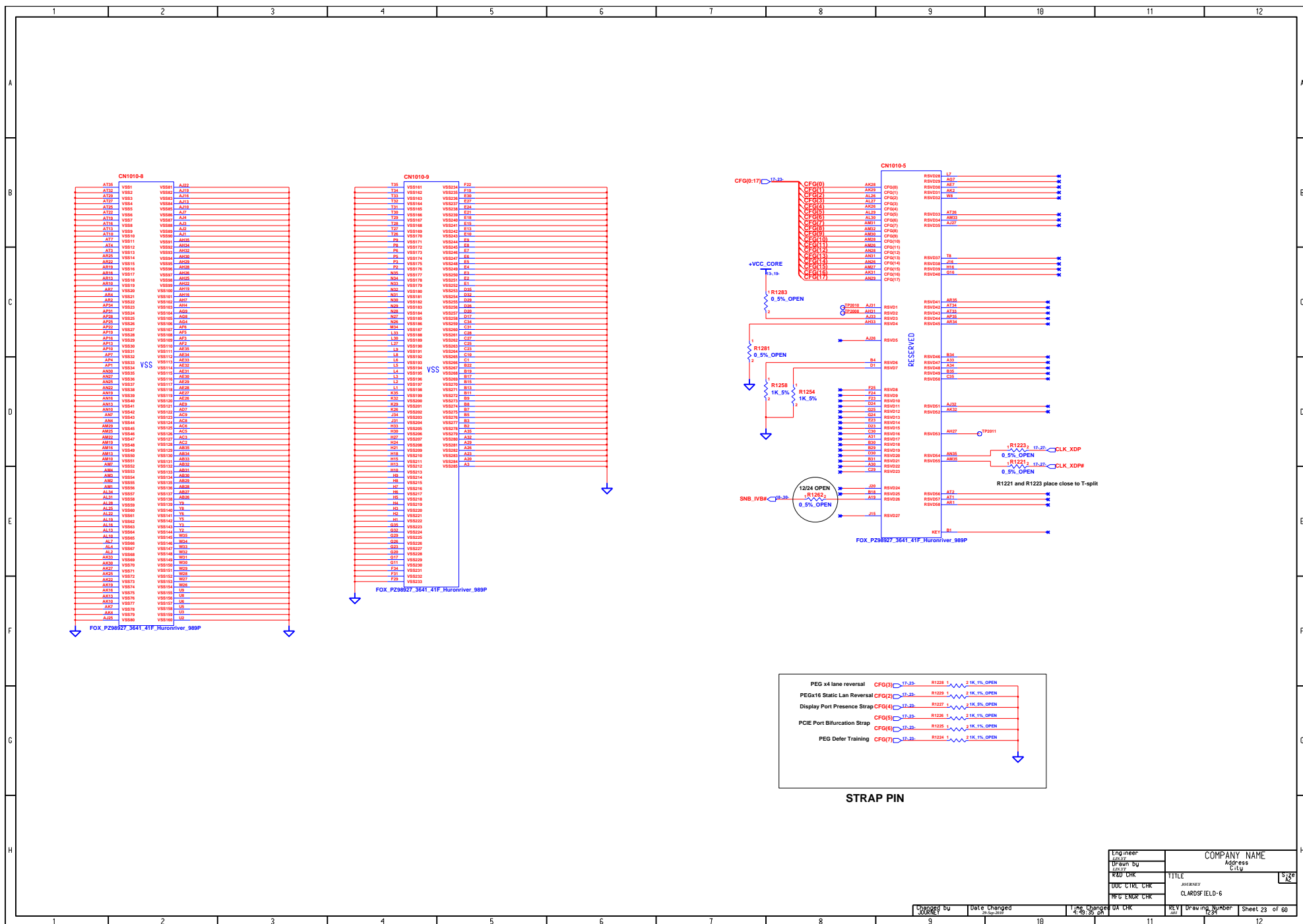
TITLE: JOURNEY
CLARKSFIED-4

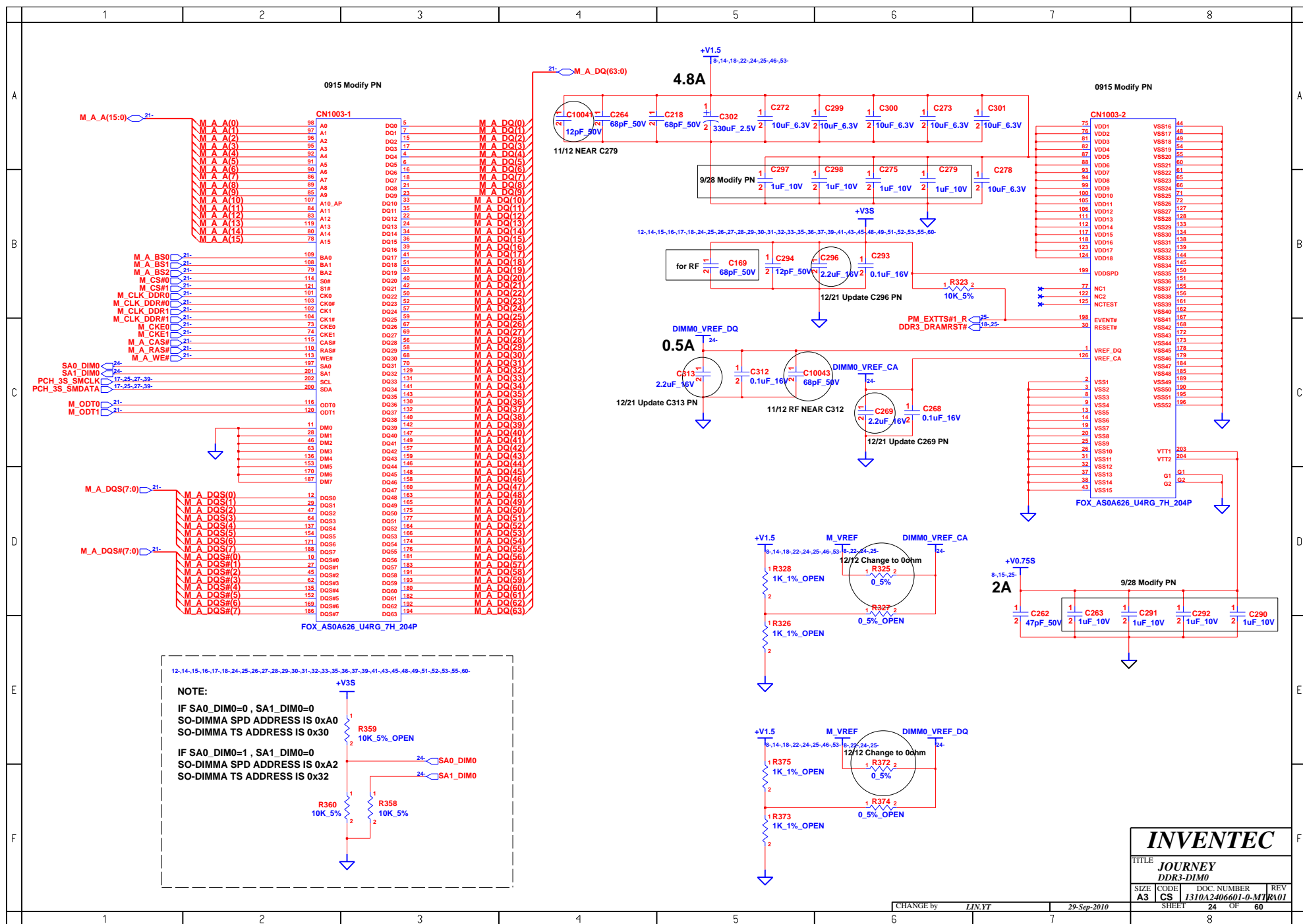
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A3	CS	1310A2406601-0-MT	R01

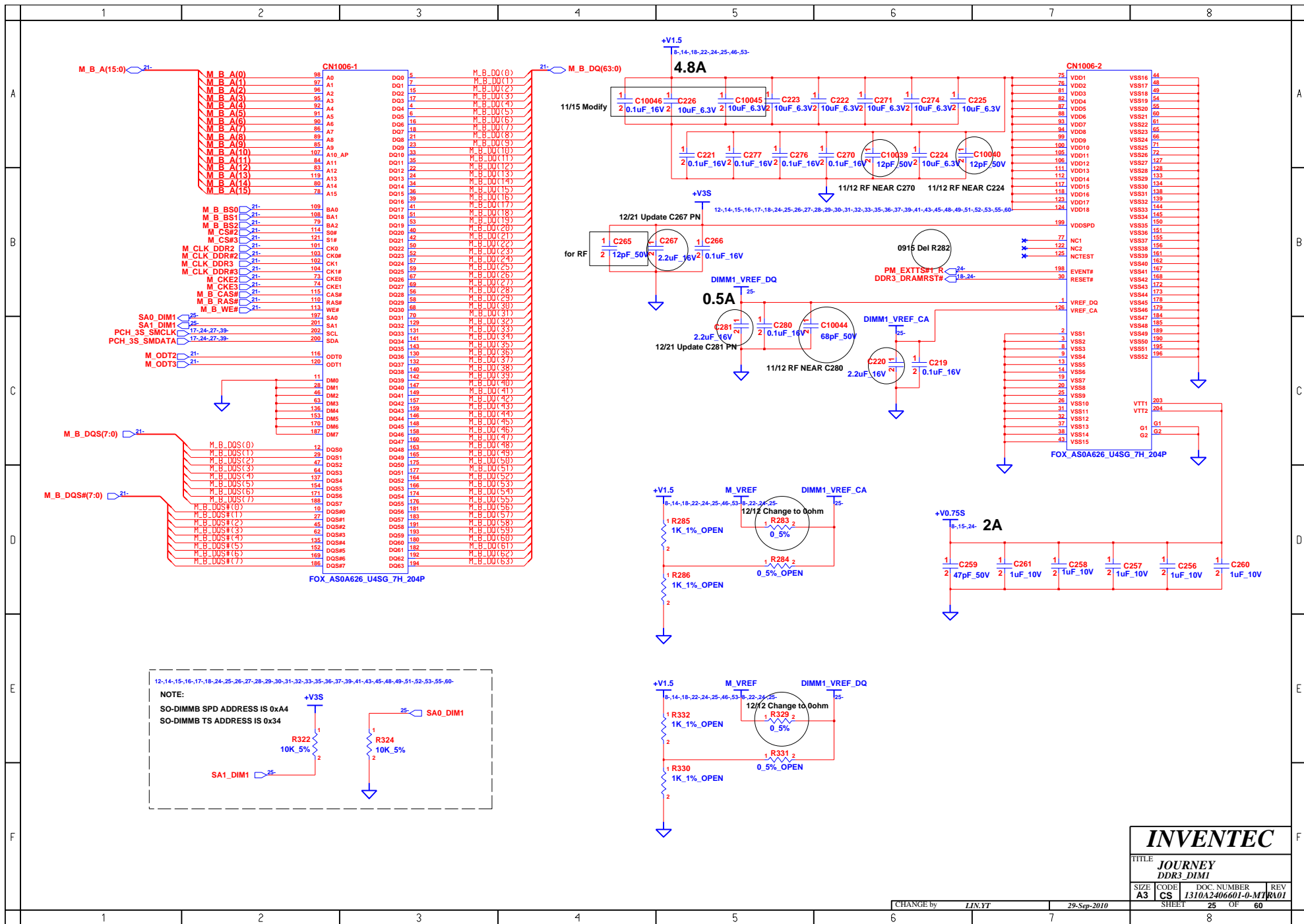
CHANGE by: LIN.YT 29-Sep-2010

SHEET 21 OF 60





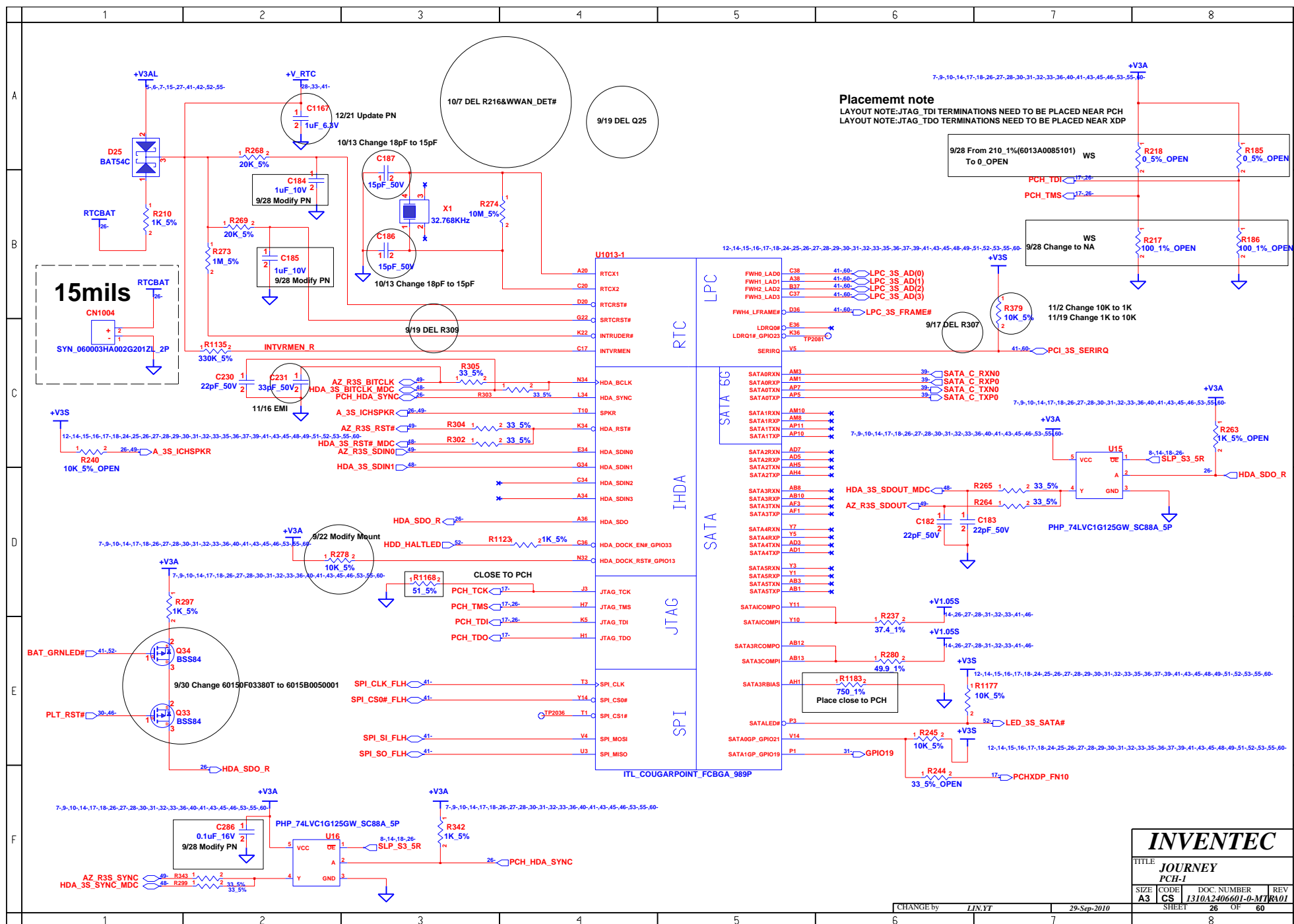




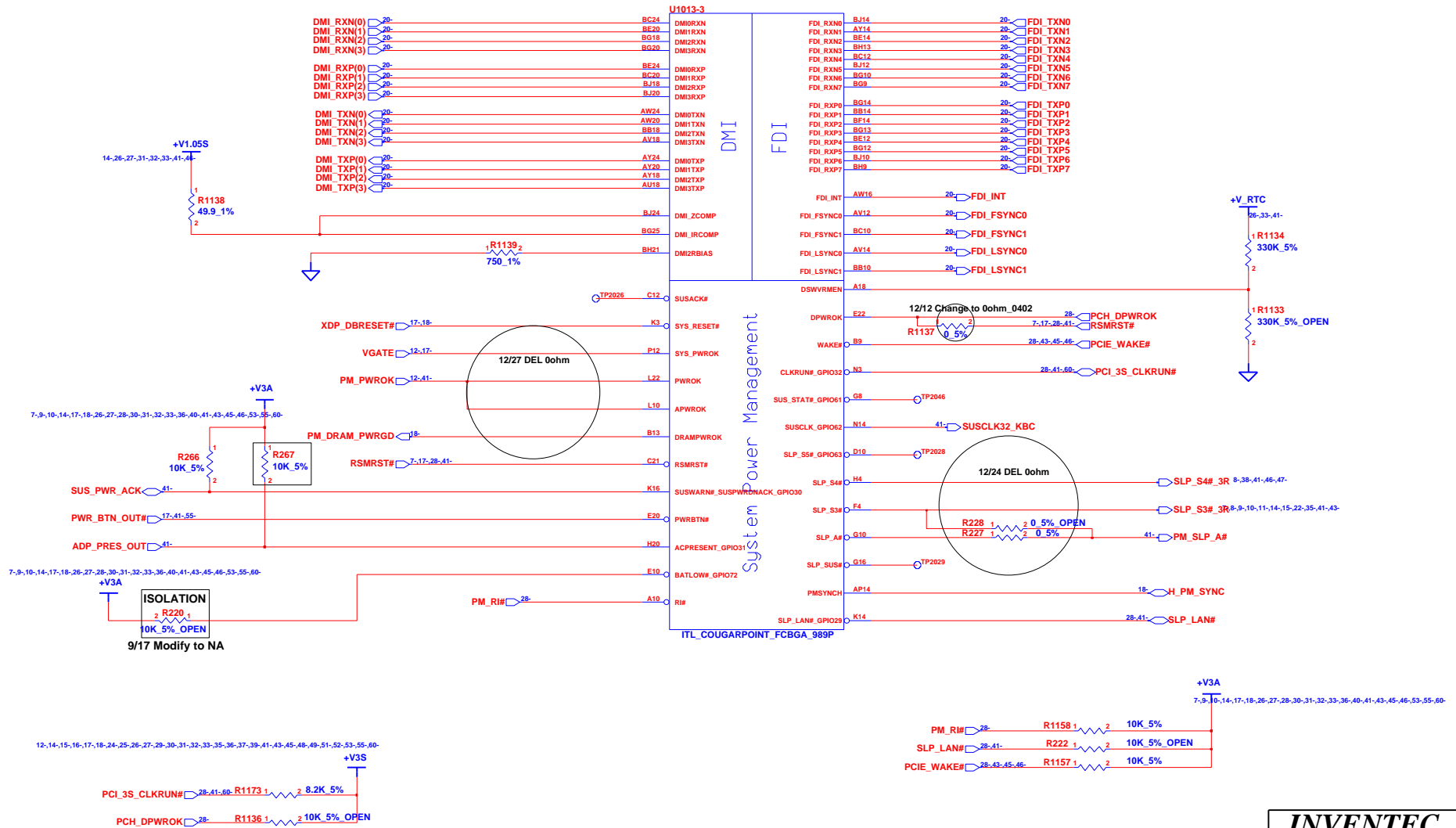
INVENTEC

TITLE: JOURNEY DDR3 DIM1			
SIZE: A3	CODE: CS	DOC. NUMBER: 1310A2406601-0-MT	REV: R01
SHEET: 25		OF: 60	

CHANGE by: LIN.YT 29-Sep-2010



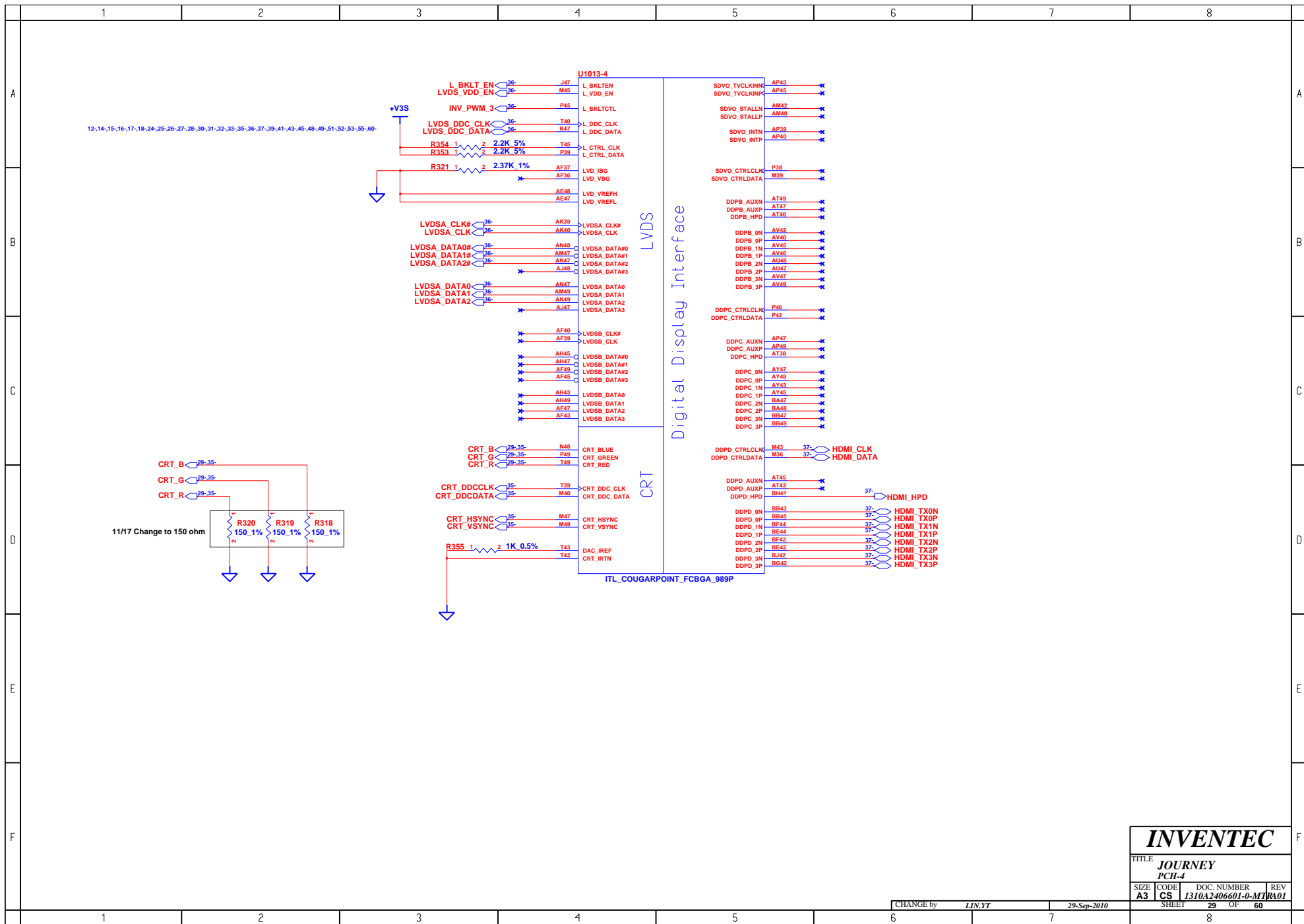
Note: 1.SLP_SUS and SUSACK# are NC if DSW is not supported
 2.DPWROK should connect to RSMRST# if DSW not supported
 3.PCH_DPWROK pull up to +V3S enables DSW support. No install R5261 to disable DSW

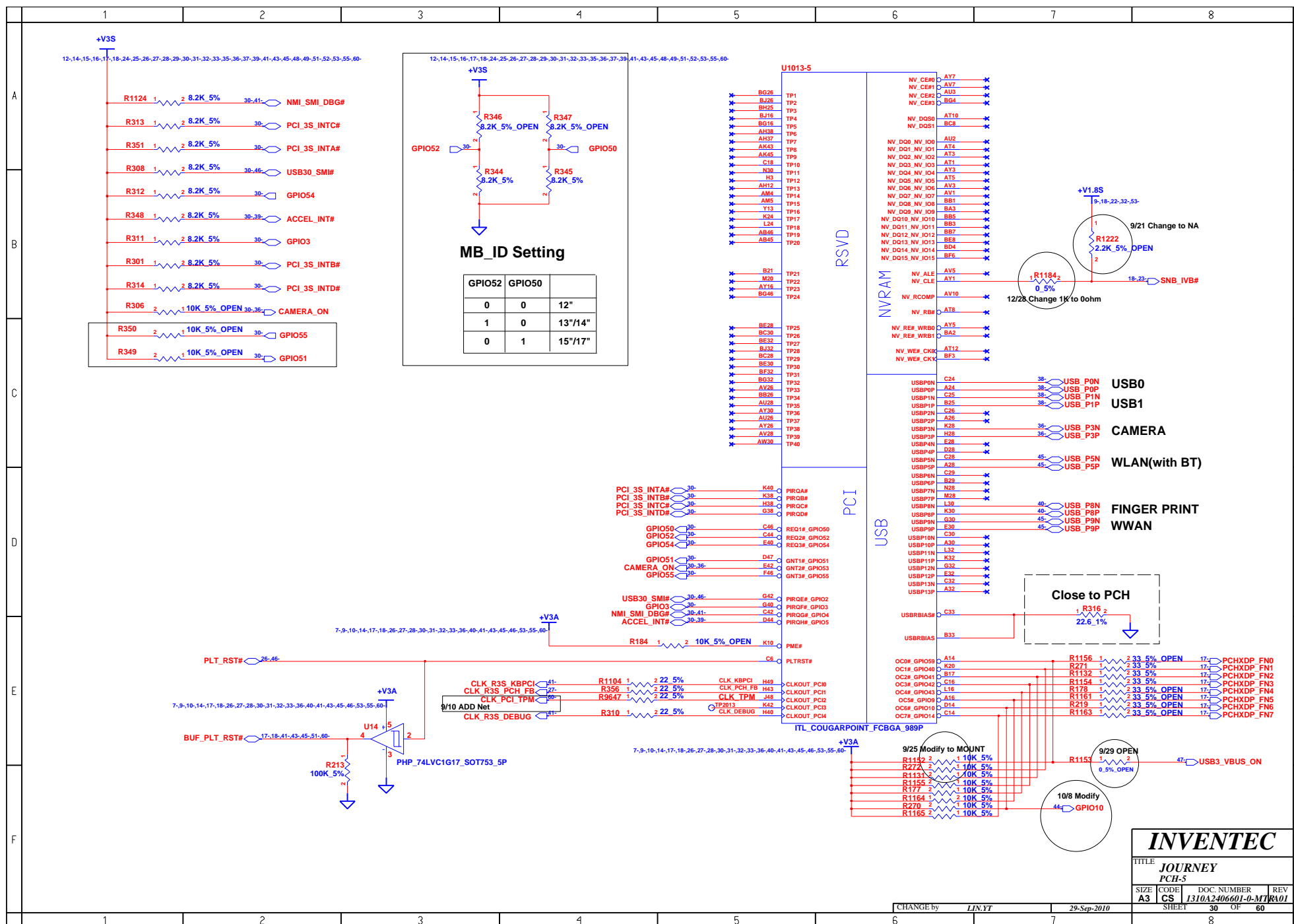


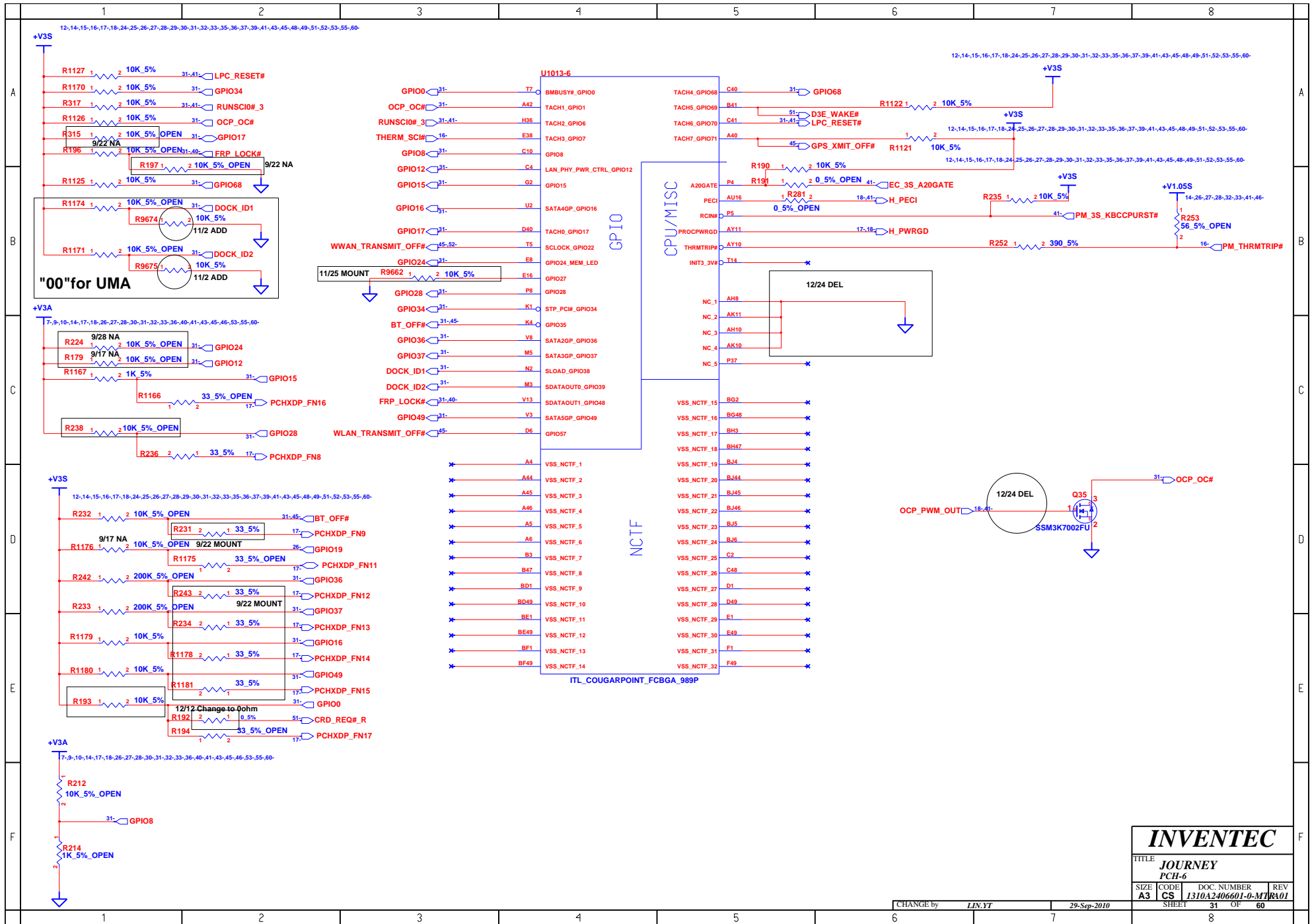
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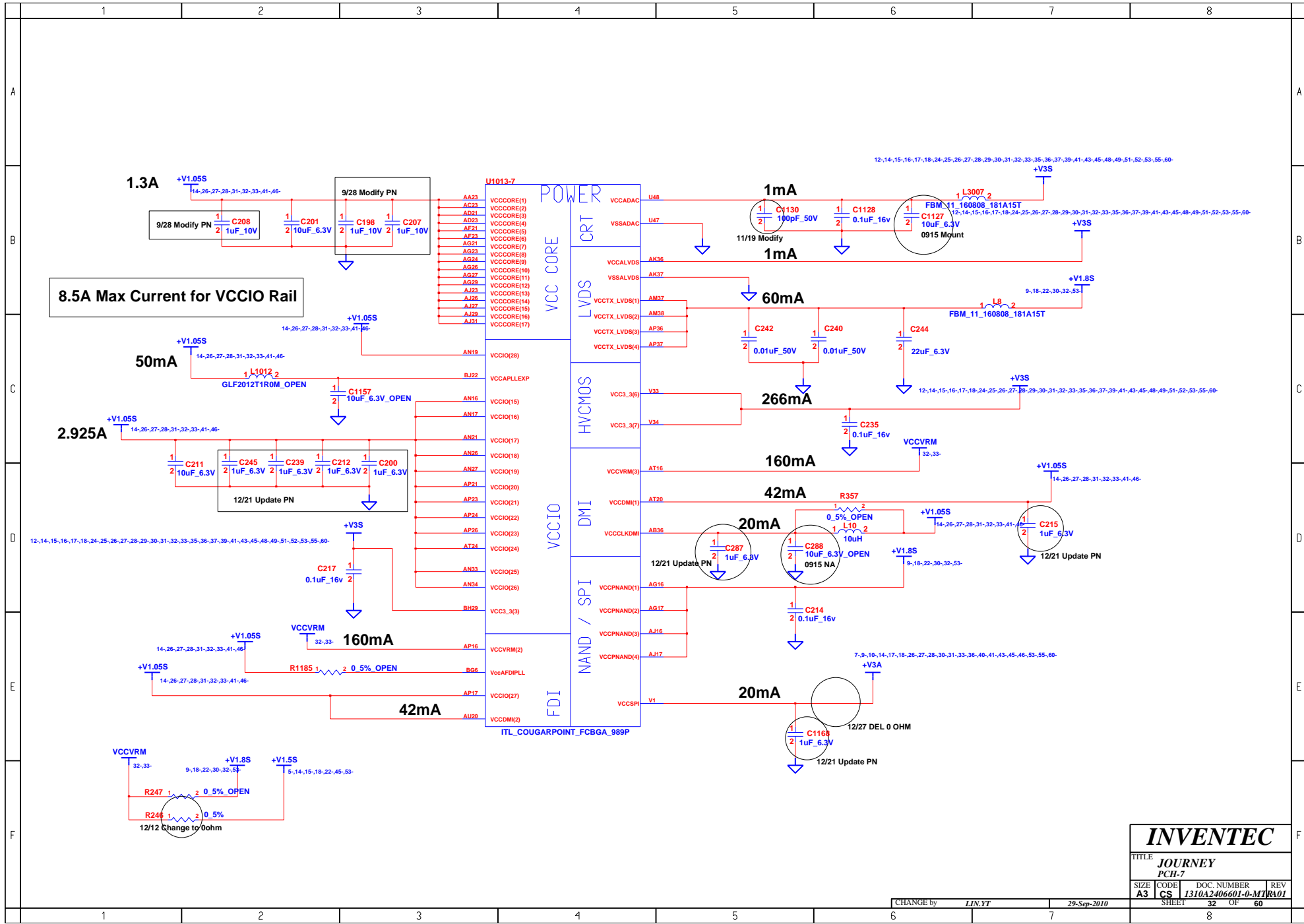
TITLE JOURNEY PCH-3			
SIZE A3	CODE CS	DOC. NUMBER 1310A2406601-0-MT	REV R01
SHEET 28		OF 60	

CHANGE by **LJN.YT** 29-Sep-2010





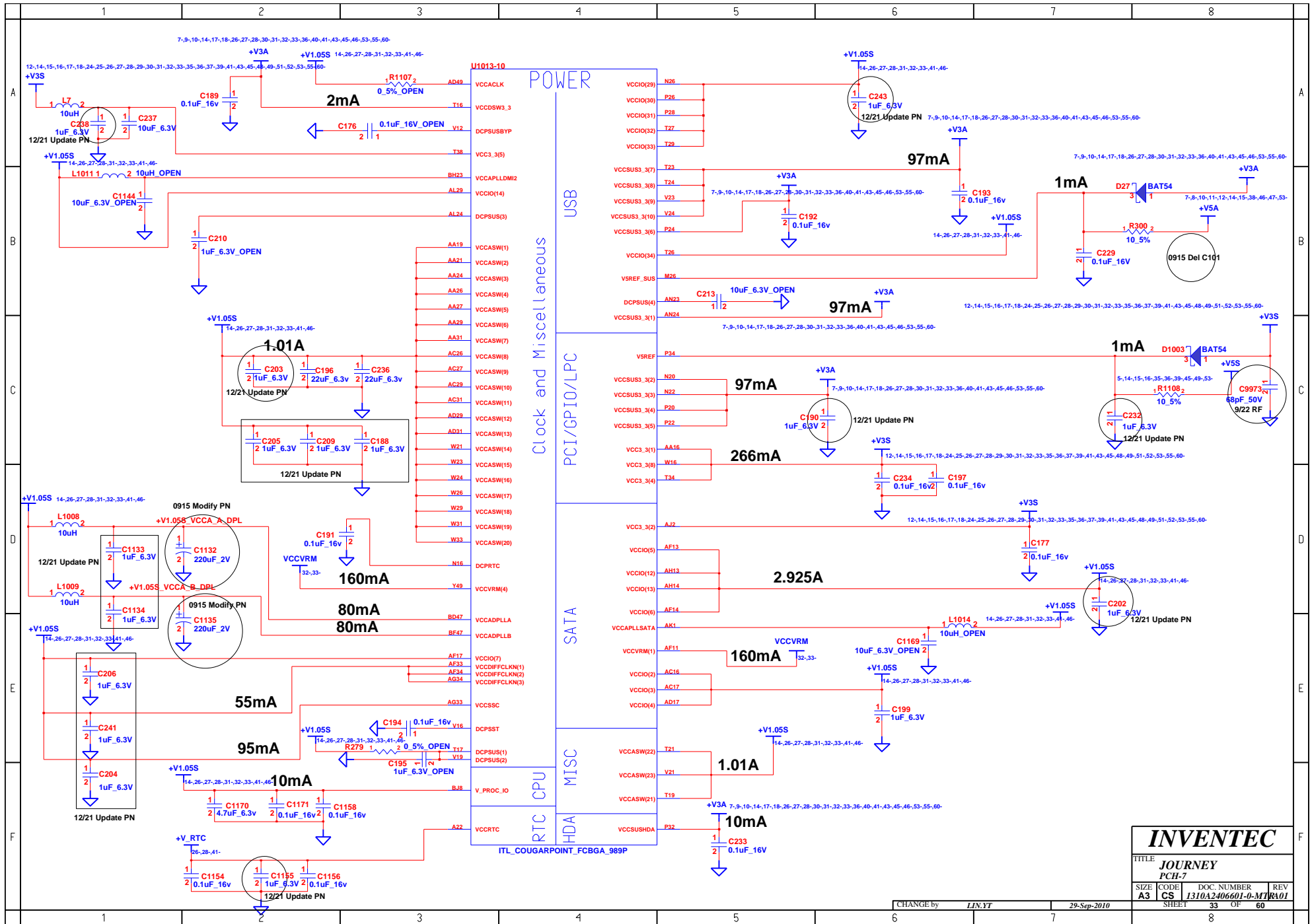




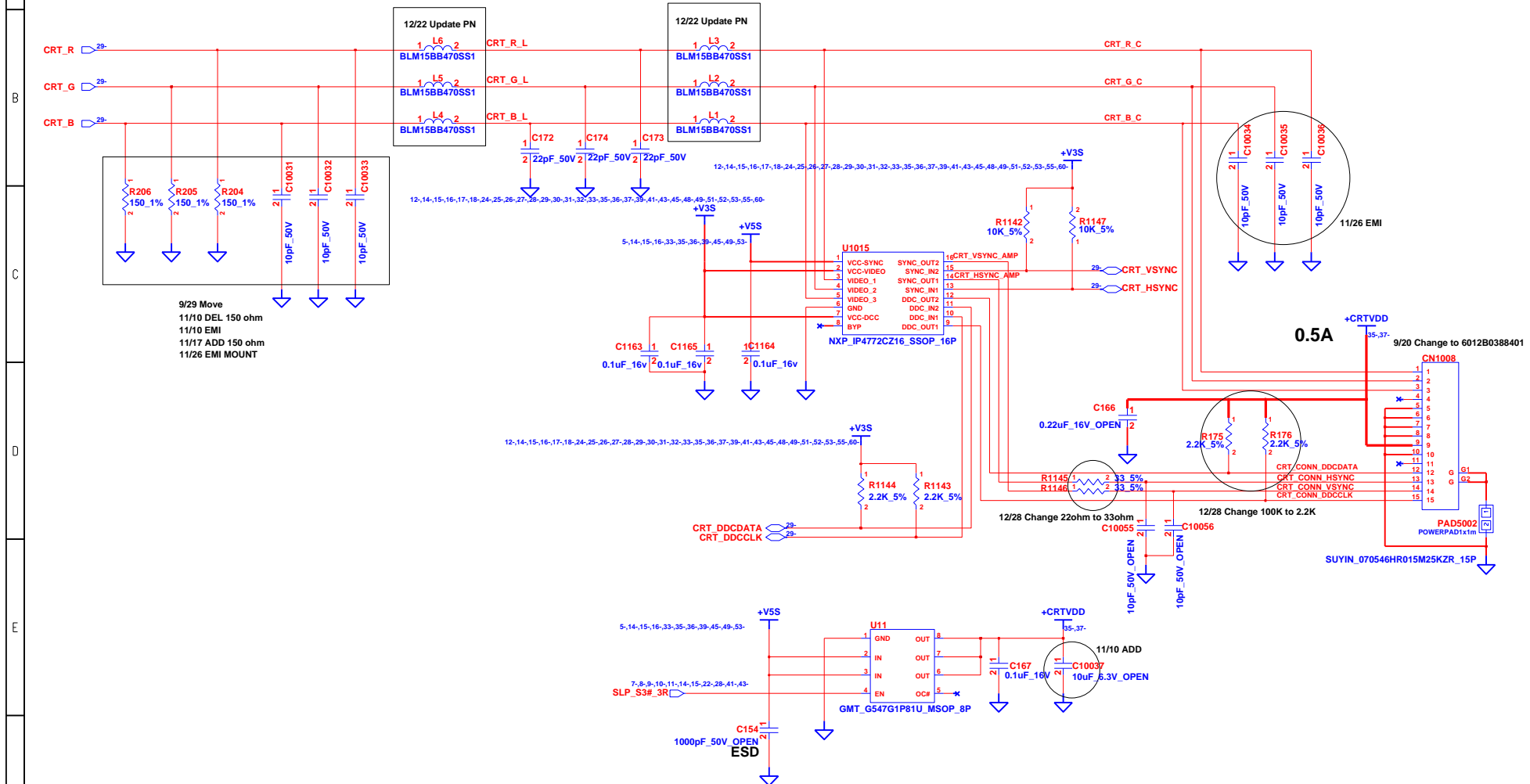
INVENTEC

TITLE			
JOURNEY			
PCH-7			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2406601-0-MT	R01
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CHANGE by LIN.YT 29-Sep-2010

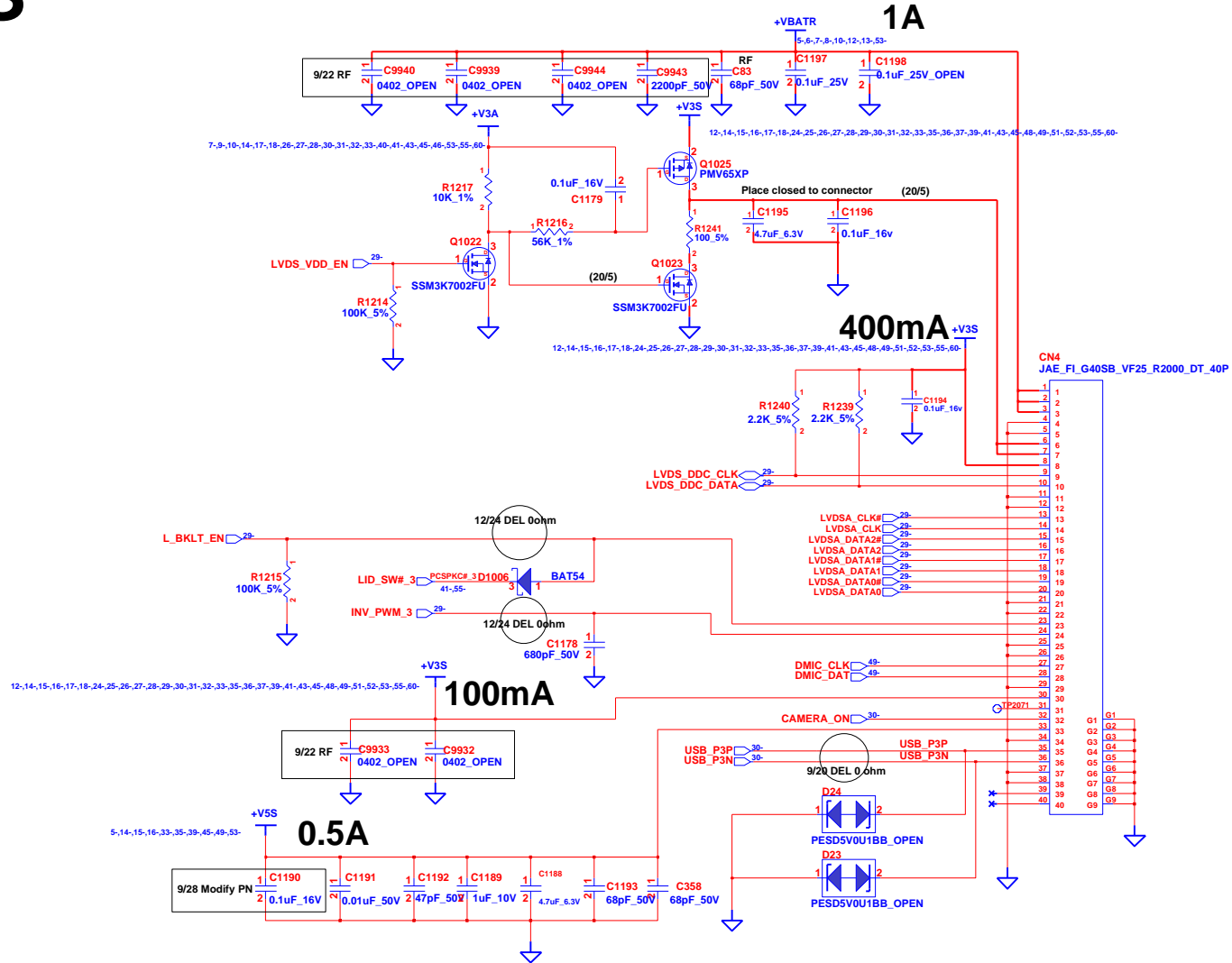


CRT



INVENTEC			
TITLE: JOURNEY CRT & DP			
SIZE: A3	CODE: CS	DOC. NUMBER: 1310A2406601-0-MT	REV: R01
CHANGE by: LIN.YT		29-Sep-2010	
SHEET: 35		OF: 60	

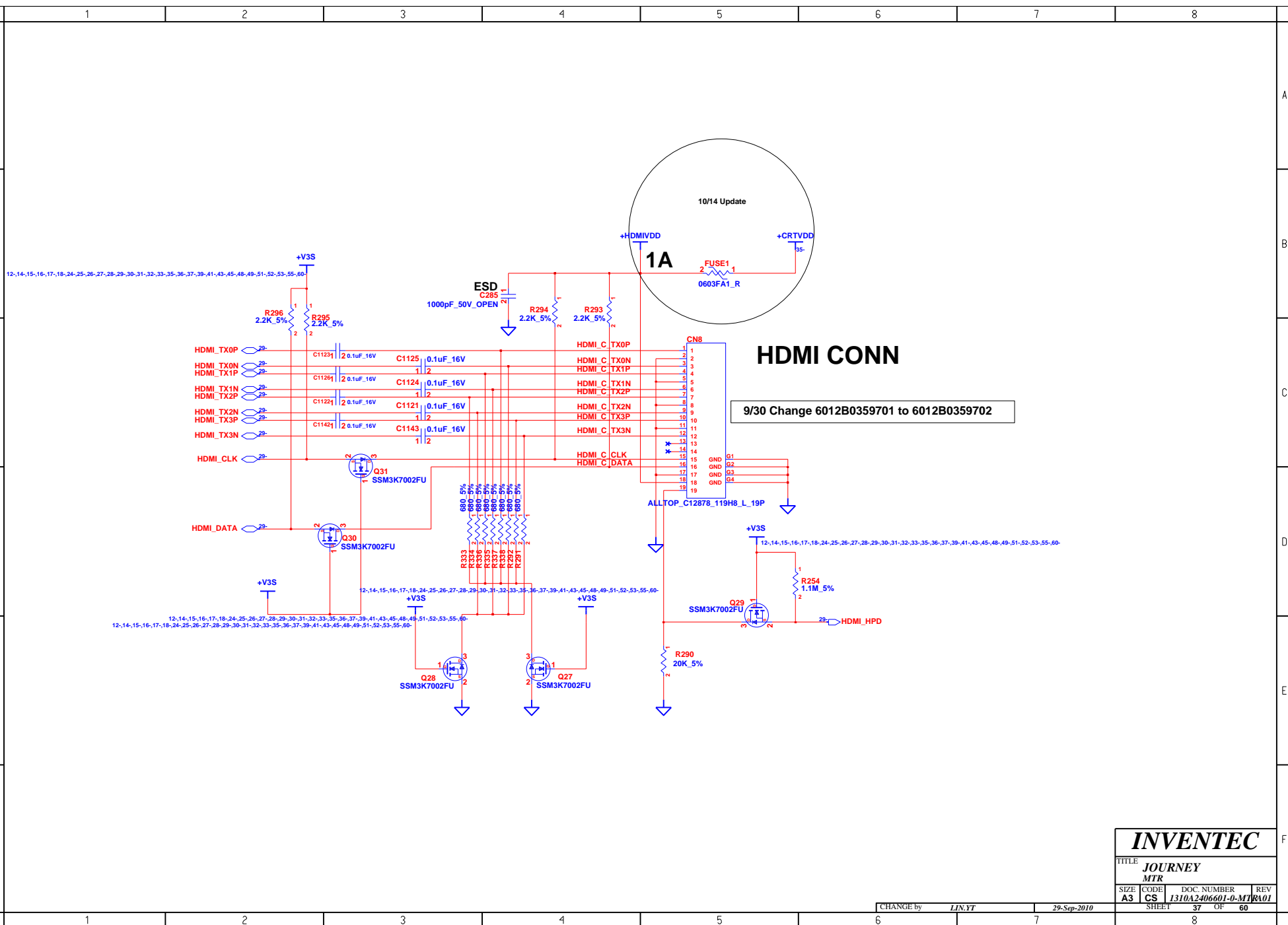
LVDS



INVENTEC

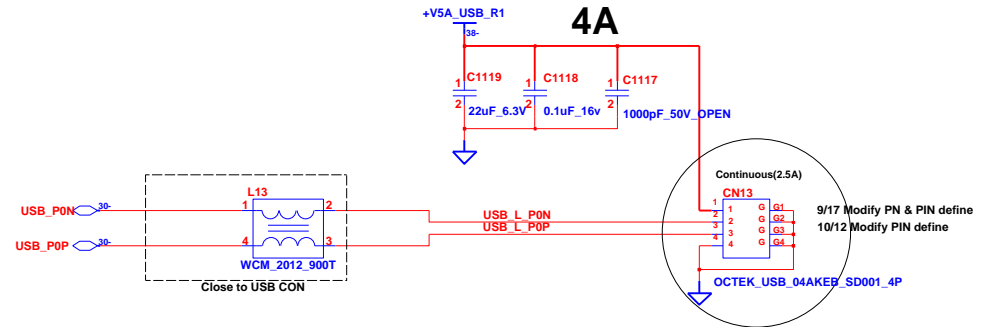
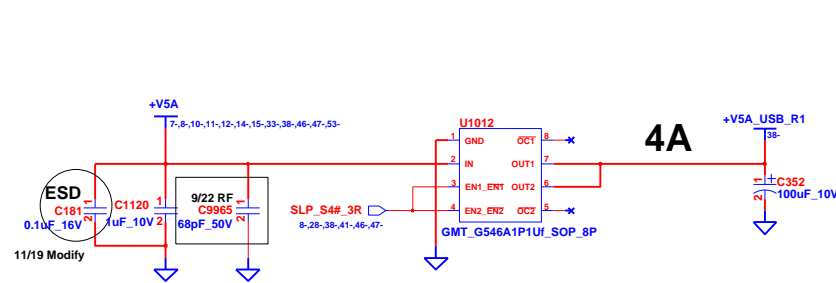
TITLE			
JOURNEY			
LCM & WEBCAM			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2406601-0-MT	R01
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CHANGE by LIN.YT 29-Sep-2010

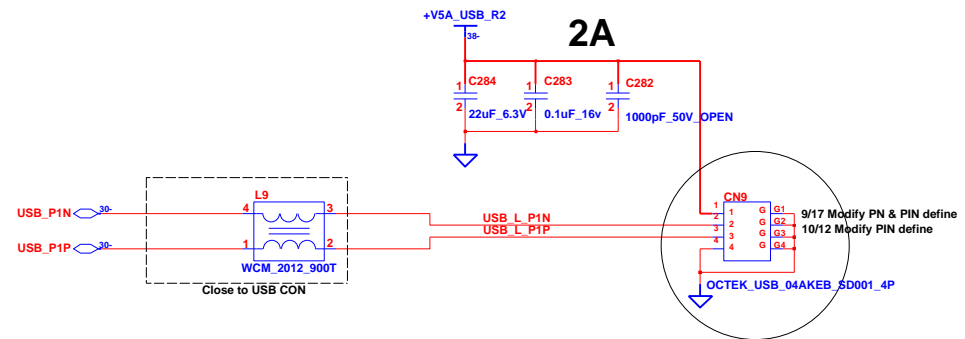
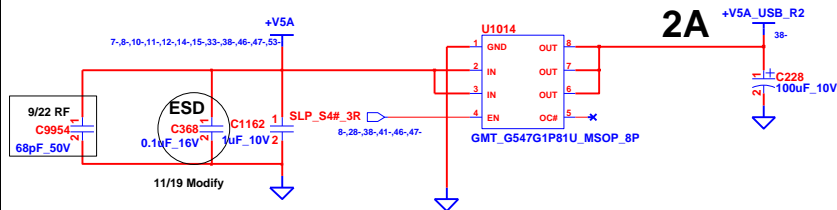


USB2.0 CONN(Right side)

USB Power port Conn



USB 2.0 Conn



INVENTEC

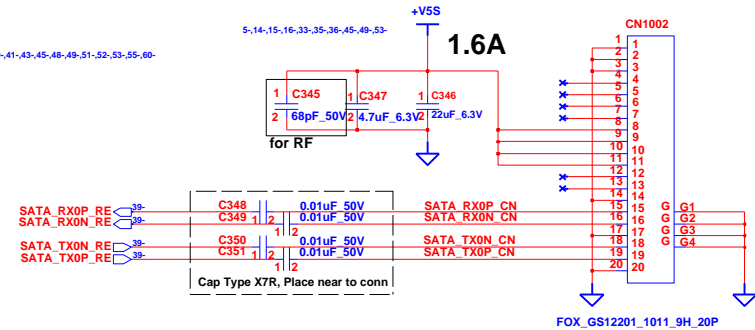
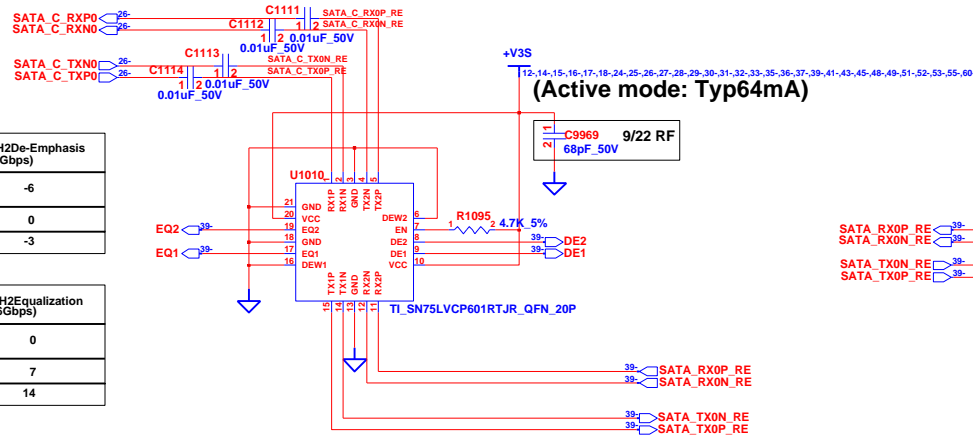
TITLE			
JOURNEY			
USB & ESATA COMBO			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2406601-0-MT	R01
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CHANGE by LIN.YT 29-Sep-2010

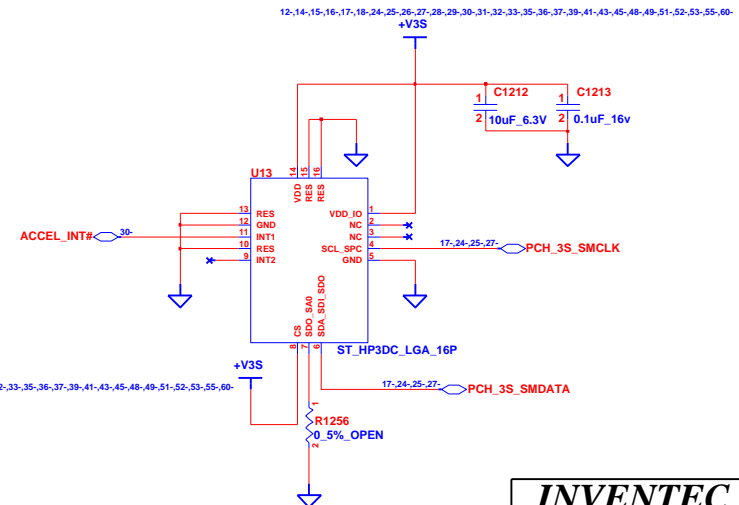
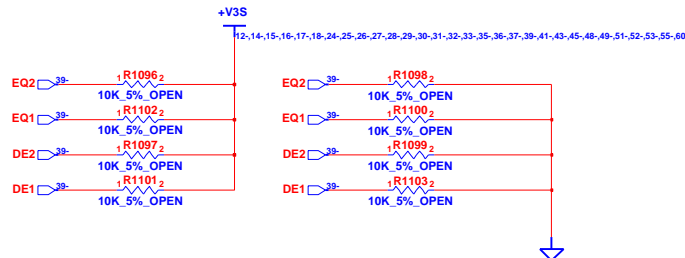
SATA HDD CONN & G-SENSOR

DE1/DE2	CH1/CH2De-Emphasis dB(@6Gbps)
NC (default)	-6
0	0
1	-3

EQ1/EQ2	CH1/CH2Equalization dB(@6Gbps)
NC (default)	0
0	7
1	14

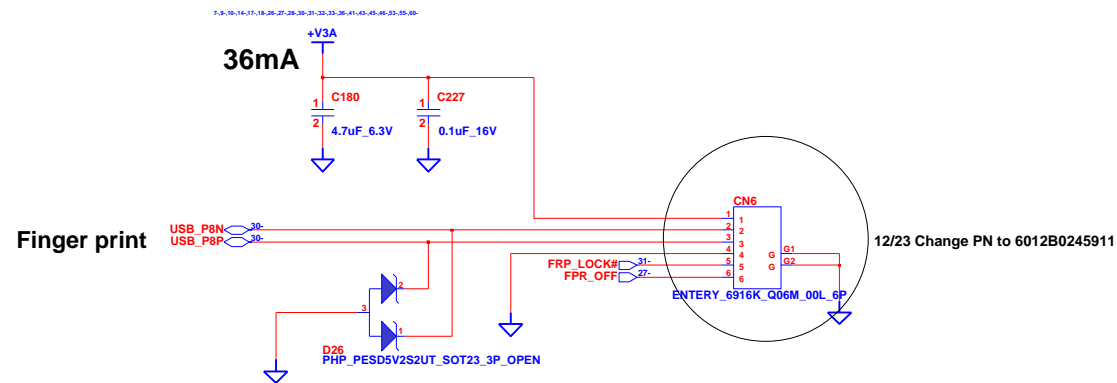


ACCELEMETOR

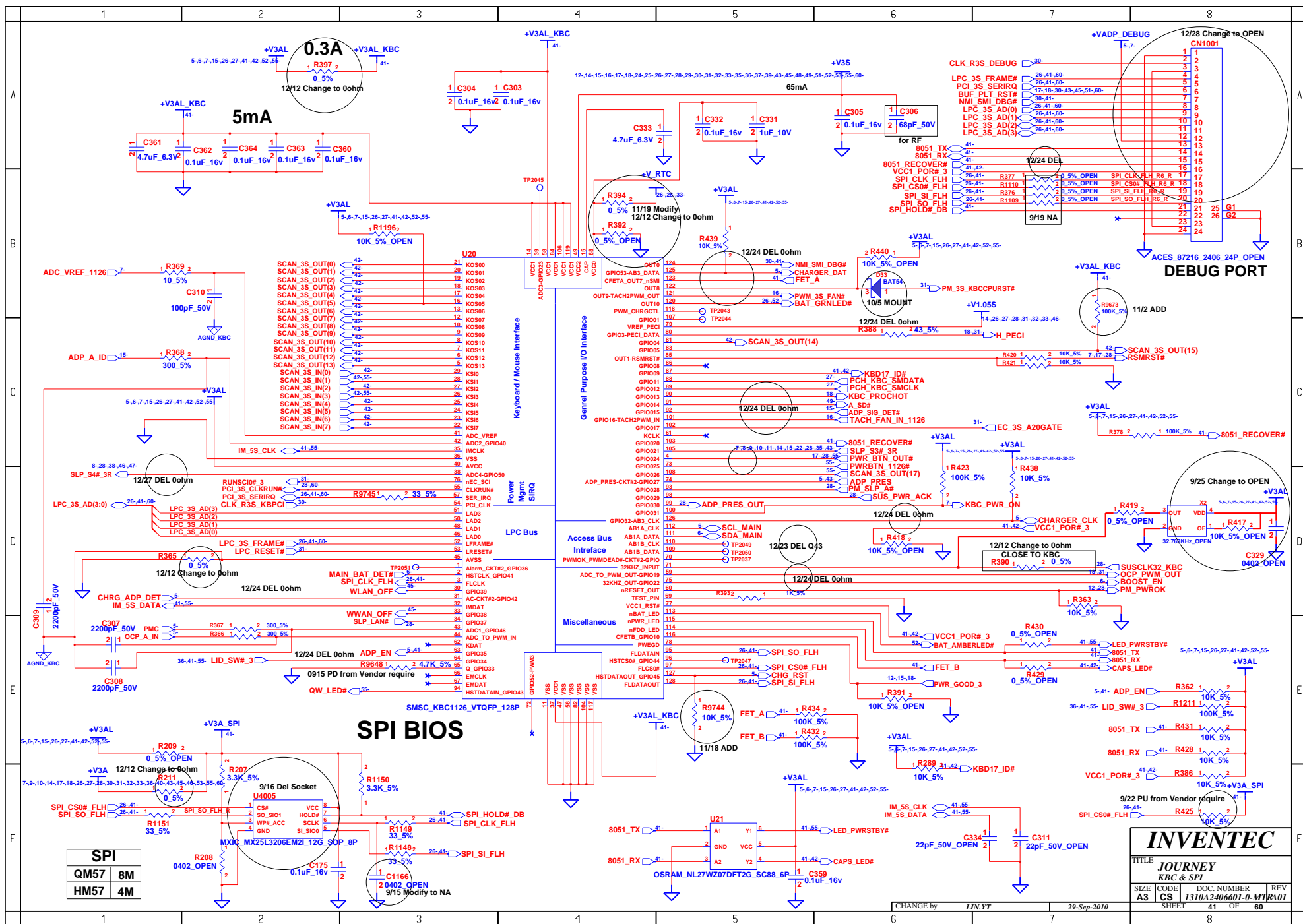


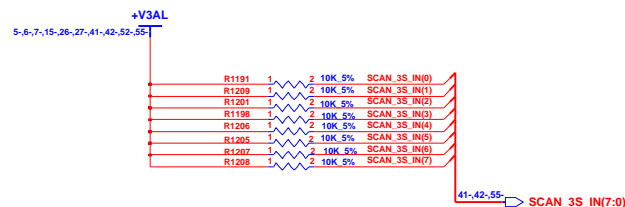
INVENTEC			
TITLE JOURNEY SATA HDD & ODD			
SIZE A3	CODE CS	DOC NUMBER 1310A2406601-0-MTR	REV R01
CHANGE by LIN.YT		29-Sep-2010	
SHEET 39		OF 60	

MB to FP BOARD



INVENTEC			
TITLE JOURNEY			
BLUETOOTH & FINGER PRINTER			
SIZE A3	CODE CS	DOC. NUMBER 1310A2406601-0-MT	REV R01
CHANGE by LYN.YT		29-Sep-2010	
SHEET 40		OF 60	





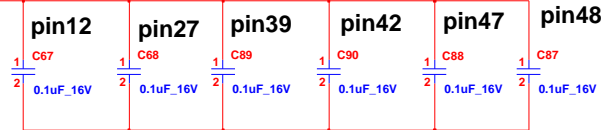
CHANGE by	<i>LIN.YT</i>	<i>29-Sep-2010</i>
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LAN

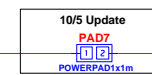
+V3_LAN rising time:1ms~100ms

0.5A

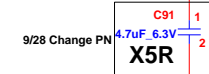
C67,C68,C87 to C90 are for +V3_LAN pins- 12, 27, 39,42, 47, 48



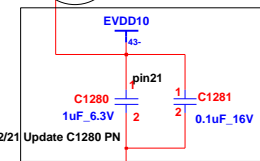
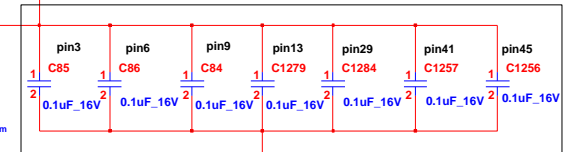
Placed near LAN Controller



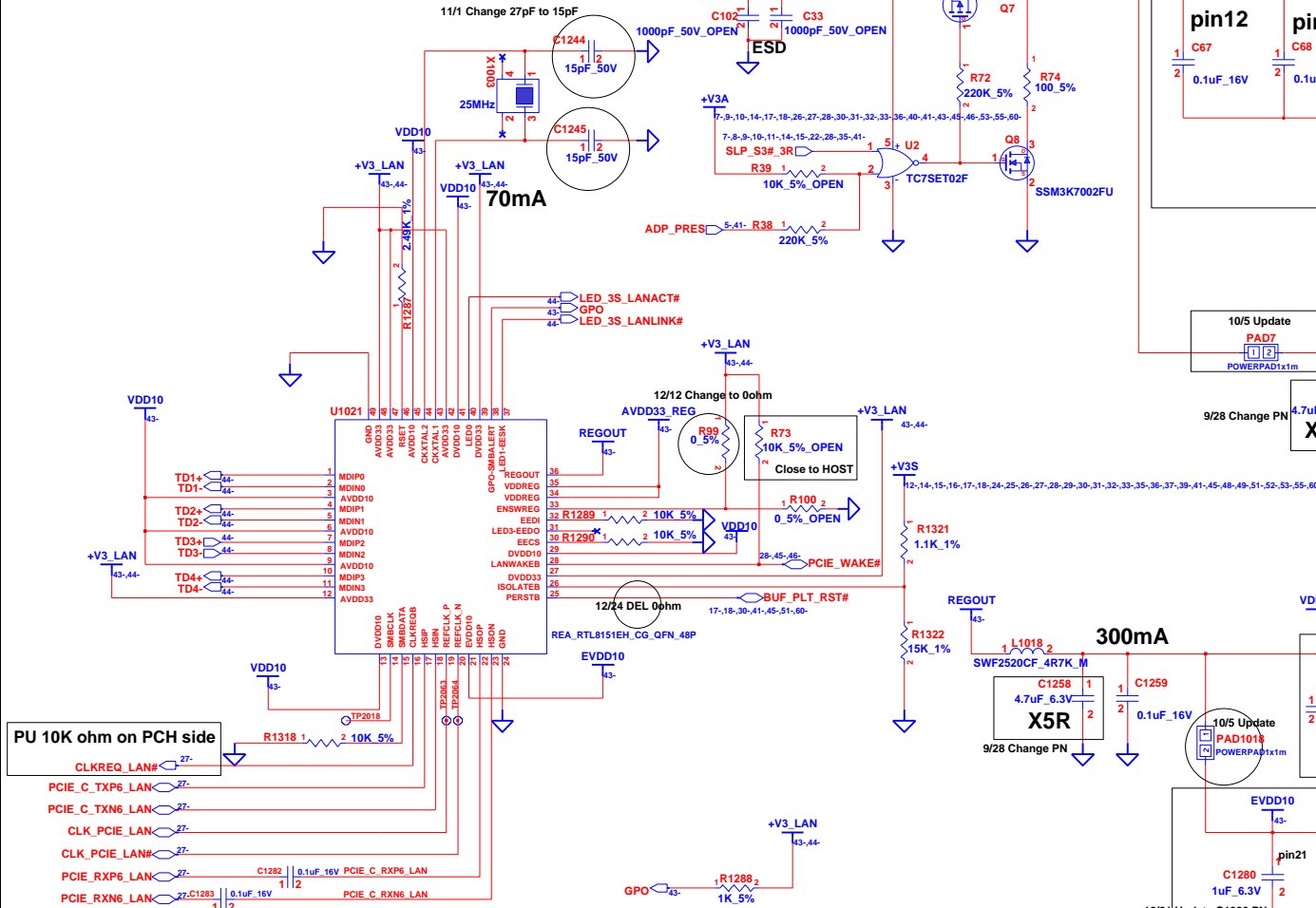
Placed near LAN Controller



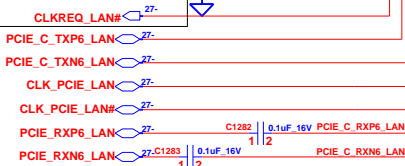
Placed near LAN Controller
Capacitor are +VDD10 pins- 3, 6, 9,13, 29, 41, 45



Placed near LAN Controller
C1280 & C1281 are for +EVDD10 pin21



PU 10K ohm on PCH side



INVENTEC

TITLE JOURNEY LAN INTERFACE			
SIZE A3	CODE CS	DOC NUMBER 1310A2406001-0-MT	REV R101
SHEET 43		OF 60	

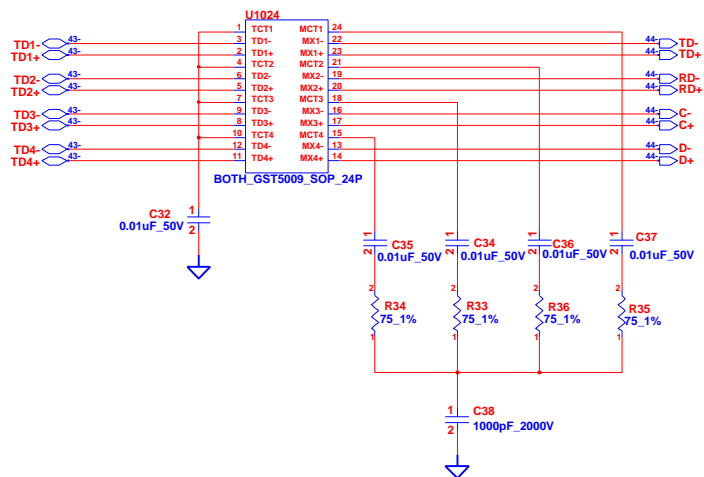
CHANGE by LIN.YT 29-Sep-2010

9/30 Change 6026A0002101 to 6026B0201801

10/5 Swap pin define

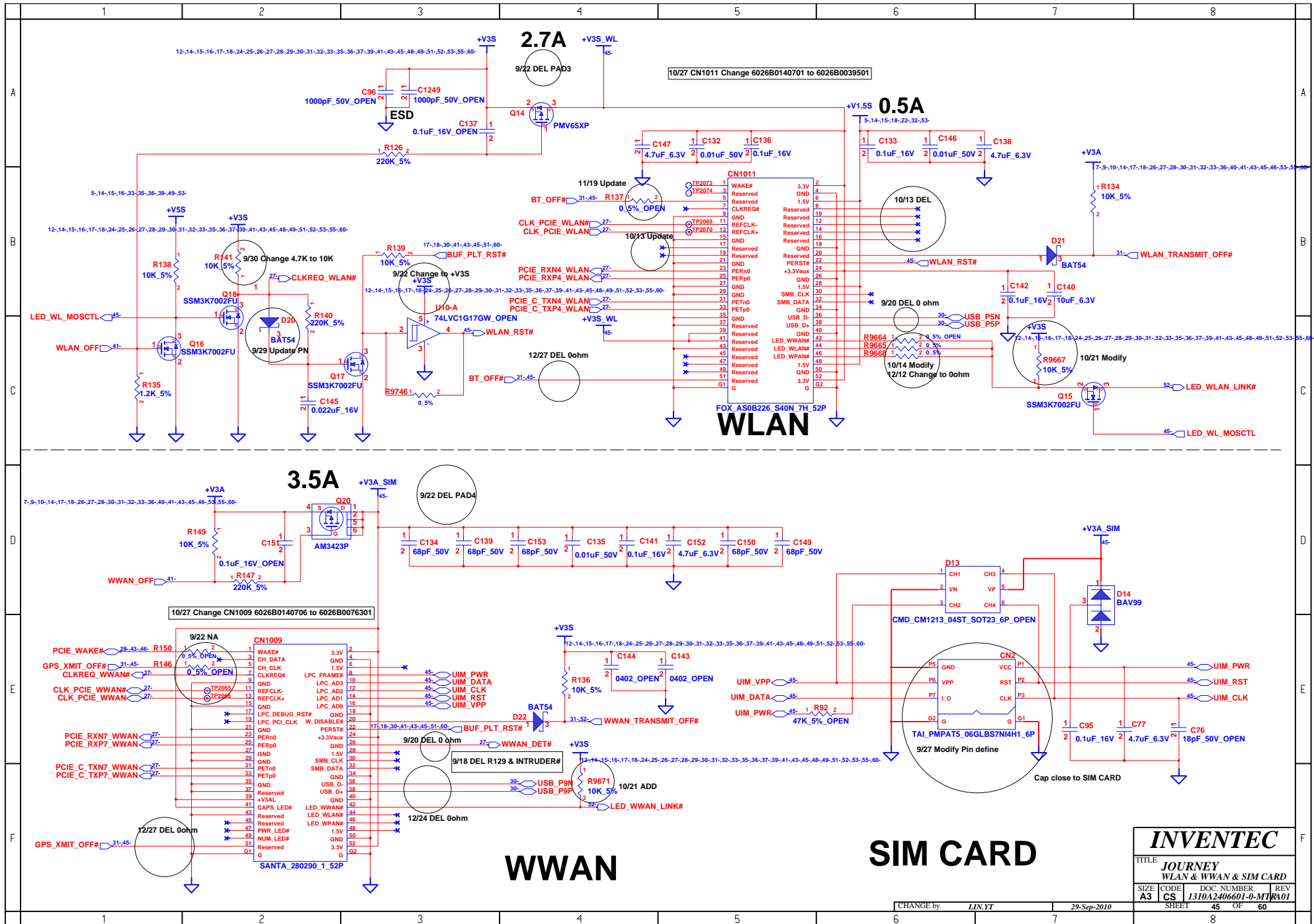
10/8 Modify

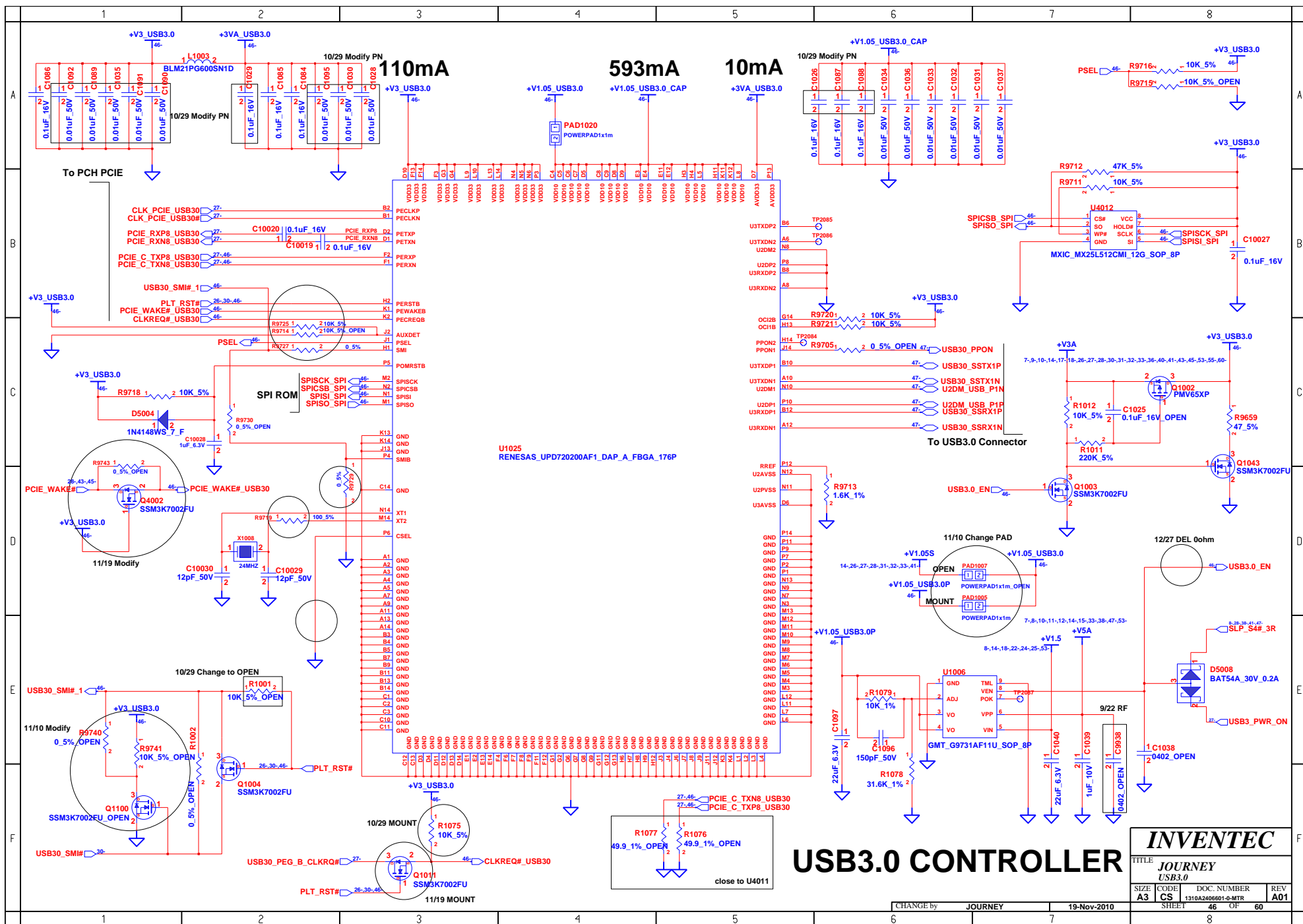
12/12 Change to 0ohm



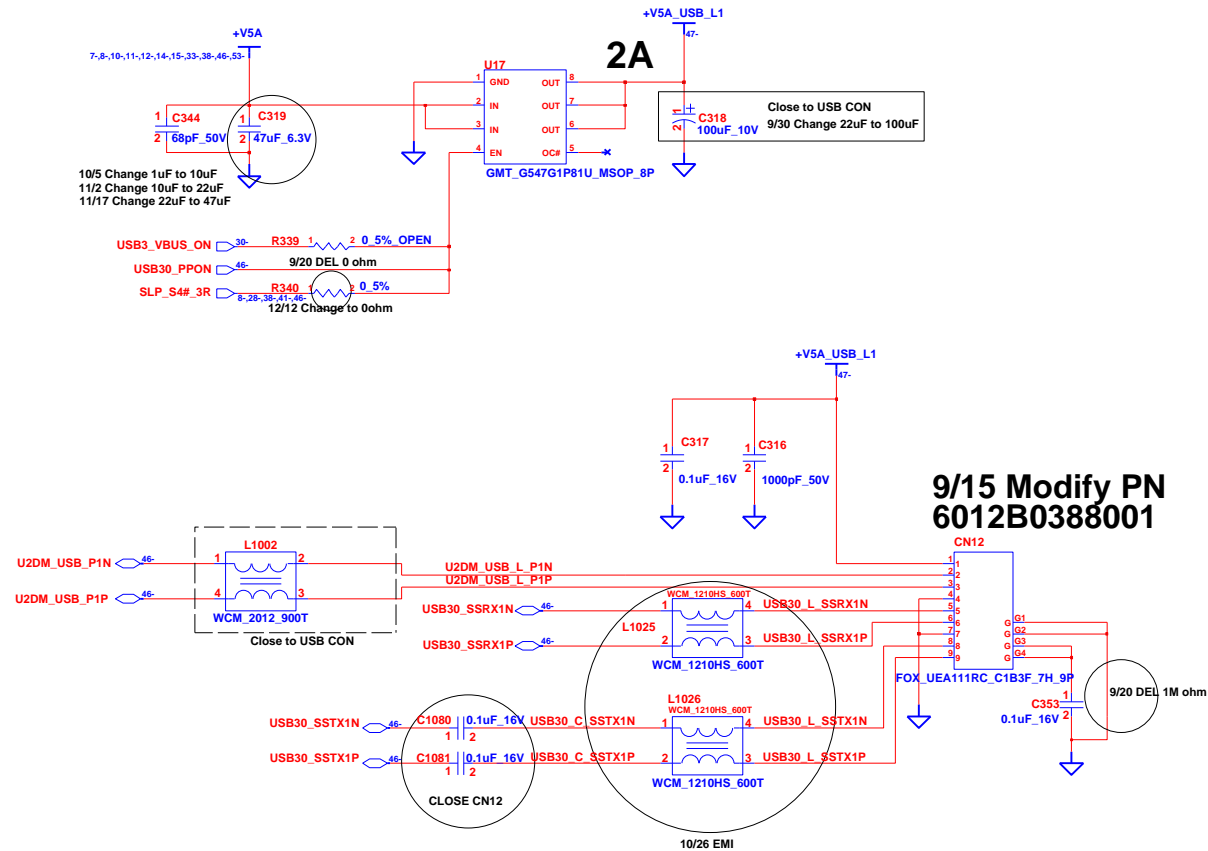
To place one 0.1uF at each pin 1 , 4 , 7 , 10
and place the 1uF in the spot that
is as close as possible to all 4 pins

INVENTEC			
TITLE JOURNEY LAN RJ45 CONN			
SIZE A3	CODE CS	DOC. NUMBER 1310A2406601-0-MT	REV RA01
SHEET 44		OF 60	





USB3.0 CONN(Left side)



INVENTEC

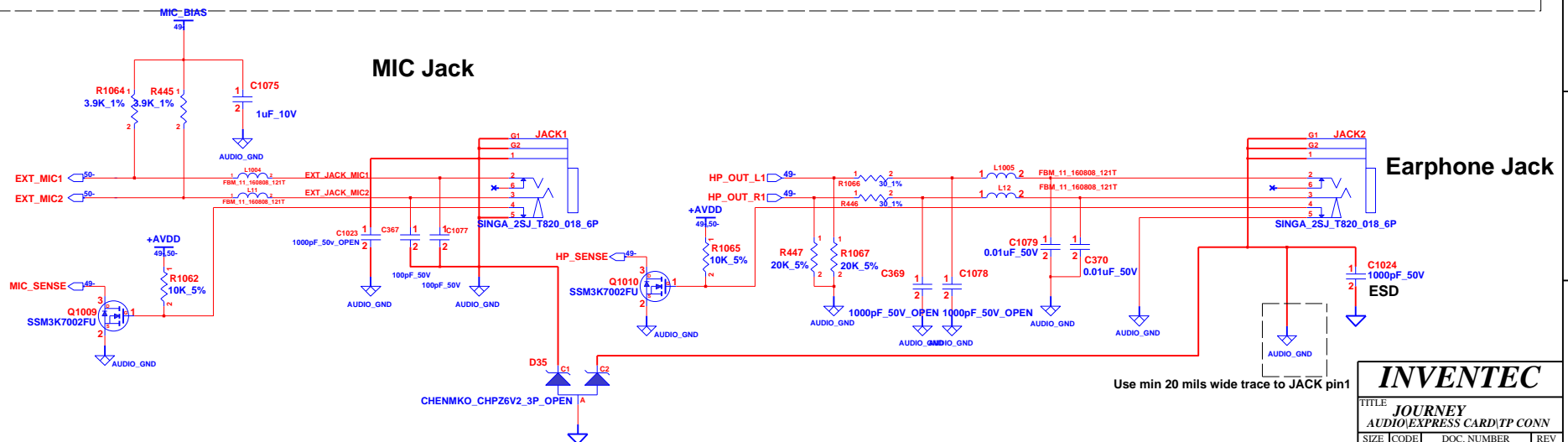
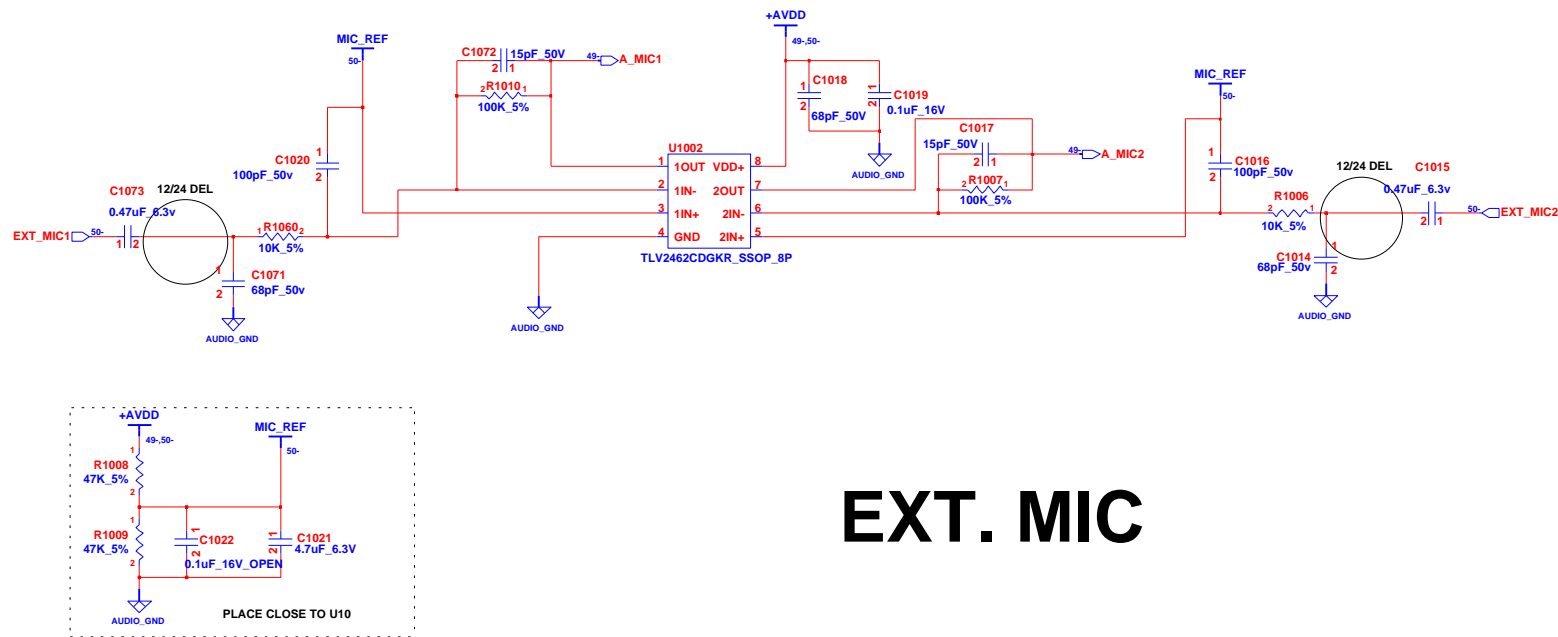
TITLE			
JOURNEY			
power /wlan /wlan /Bt LED			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2406601-0-MT	R01
SHEET		47	OF 60

CHANGE by LIN.YT 29-Sep-2010

AUDIO

SIZE A3	CODE CS	DOC. NUMBER <i>1310A2406601-0-MTR</i>	R R
SHEET		49	OF 60

CHANGE by	LIN.YT	29-Sep-2010
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Use min 20 mils wide trace to JACK pin1

INVENTEC			
TITLE JOURNEY AUDIO EXPRESS CARD TP CONN			
SIZE A3	CODE CS	DOC NUMBER 1310A2406601-0-MT	REV R01
SHEET 50		OF 60	

CHANGE by LIN.YT 29-Sep-2010

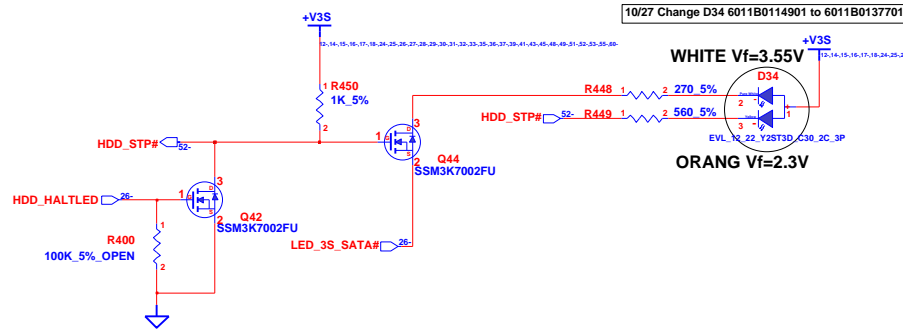
1



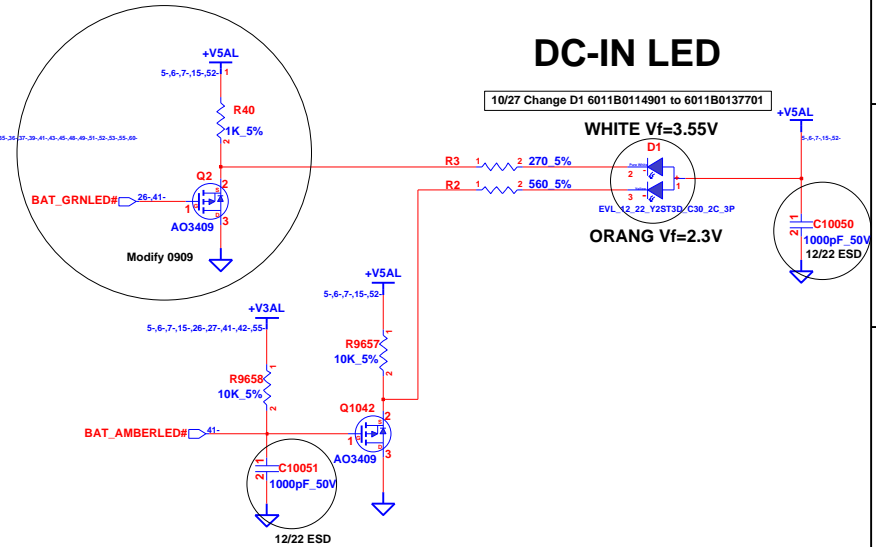
0

LED

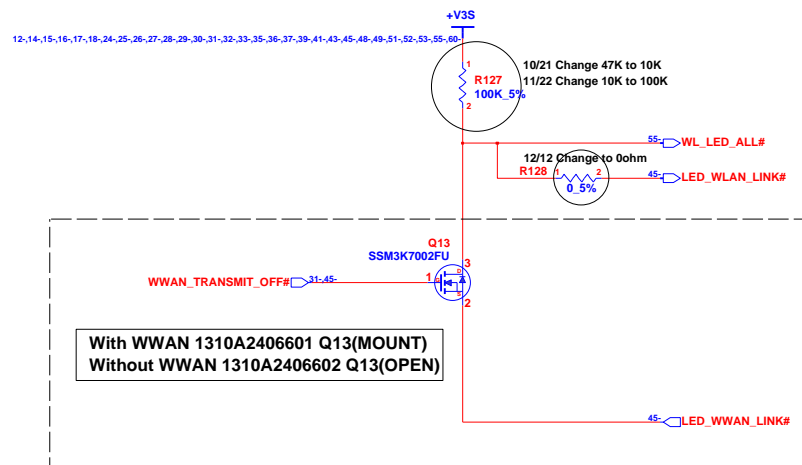
SATA LED & HDD-HALTED LED



DC-IN LED



WLAN_WWAN_Bluetooth_LED



INVENTEC

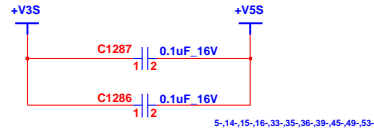
TITLE **JOURNEY**

SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2406601-0-MT	RA01
SHEET		52	OF 60

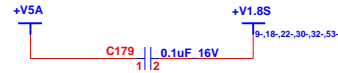
CHANGE by **LIN.YT** 29-Sep-2010

STITCHING CAPS

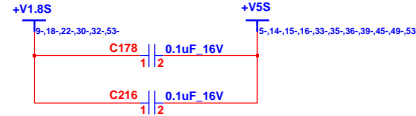
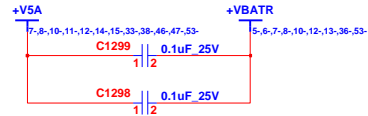
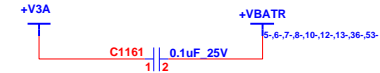
12,14,15,16,17,18,24,25,26,27,28,29,30,31,32,33,35,36,37,39,41,43,45,48,49,51,52,53,55,60-



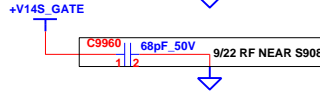
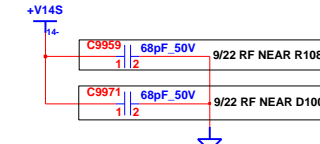
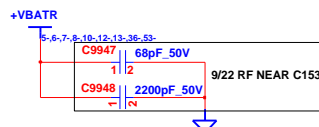
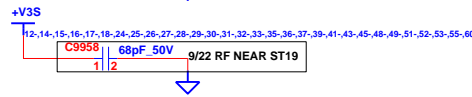
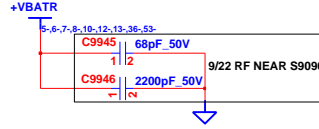
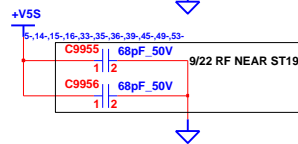
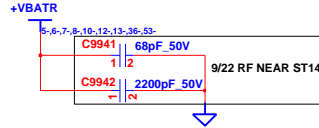
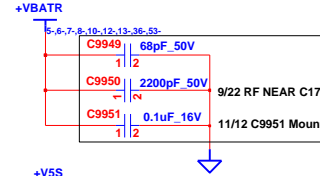
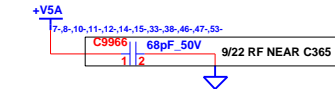
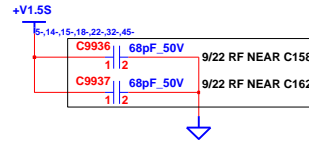
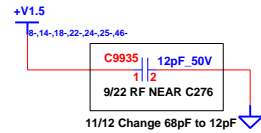
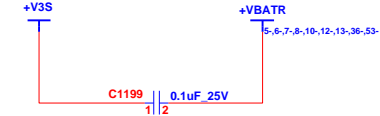
7,8,10,11,12,14,15,33,38,46,47,53-



7,8,10,14,17,18,26,27,28,30,31,32,33,36,40,41,43,45,46,55,60-

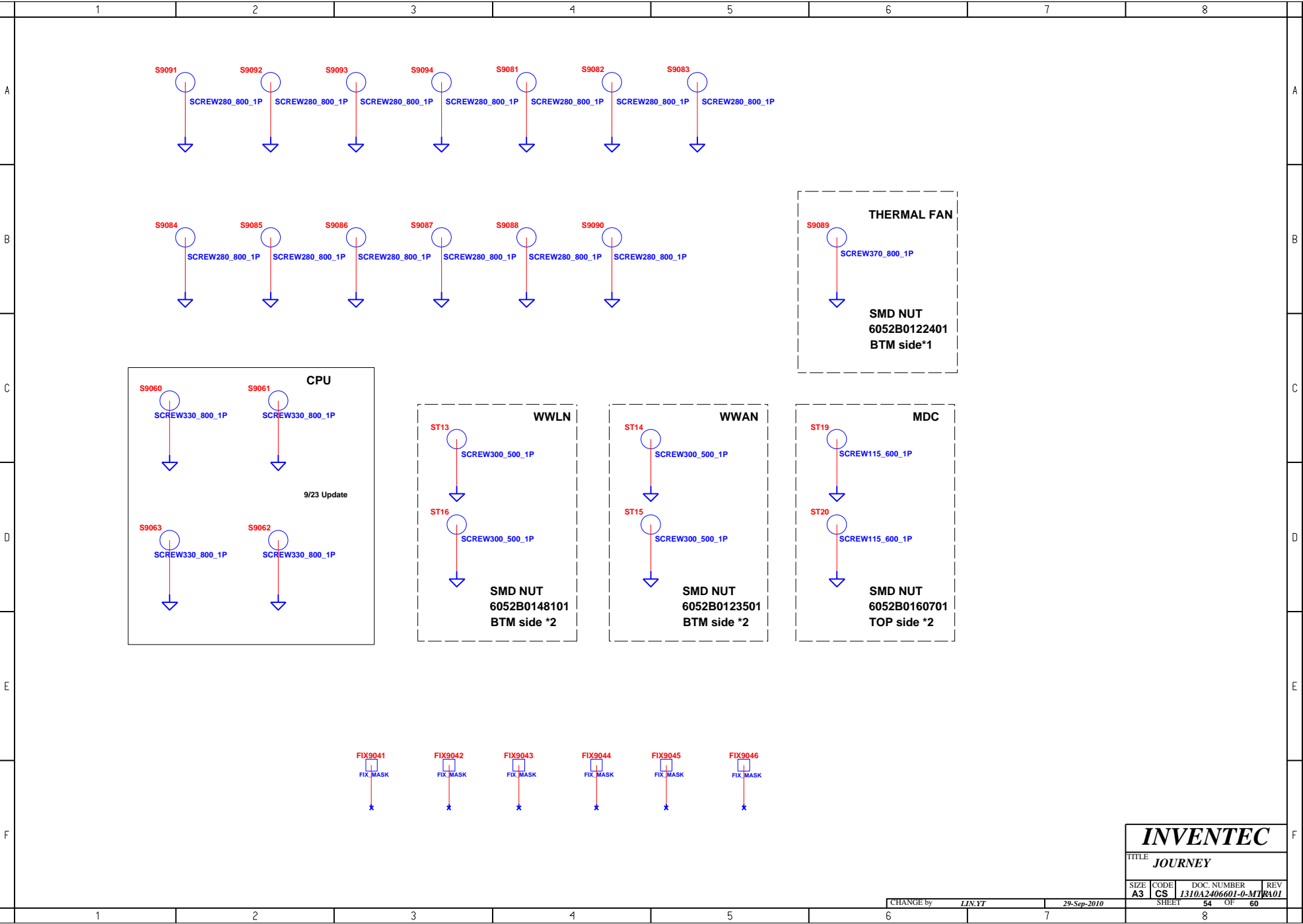


12,14,15,16,17,18,24,25,26,27,28,29,30,31,32,33,35,36,37,39,41,43,45,48,49,51,52,53,55,60-



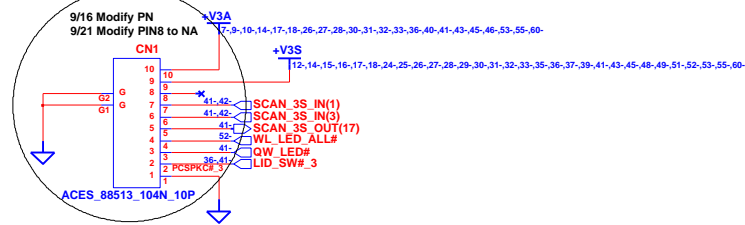
<i>INVENTEC</i>			
TITLE <i>JOURNEY</i>			
SIZE A3	CODE CS	DOC. NUMBER 1310A2406601-0-MT	REV R01
SHEET 53		OF 60	
8			

CHANGE by LIN.YT 29-Sep-2010

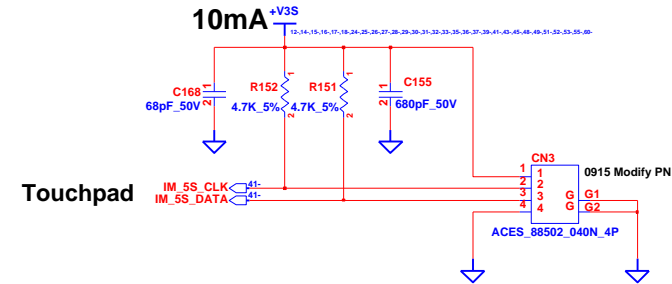


Wire to board Conn on MB

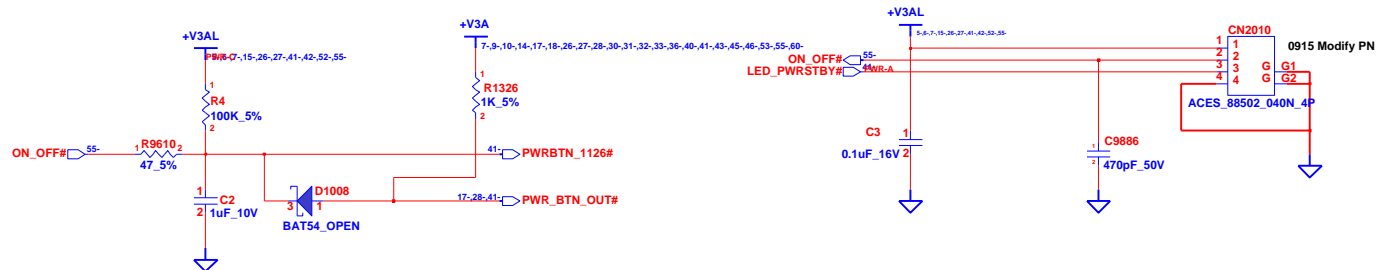
MB to Launch BOARD



MB to PICK Button BOARD



MB to POWER BOARD

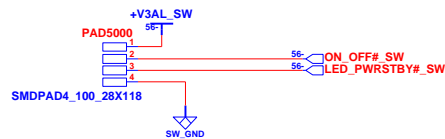


INVENTEC			
TITLE JOURNEY CARD READER			
SIZE A3	CODE CS	DOC. NUMBER 1310A2406601-0-MT	REV R101
SHEET 55		OF 60	

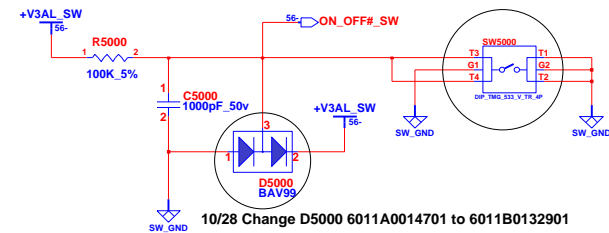
CHANGE by LIN.YT 29-Sep-2010

DB Power Board

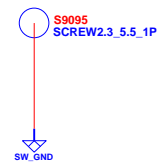
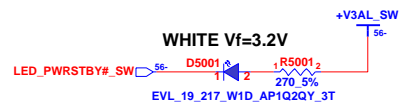
PWR SW W/B CONN



Power Button



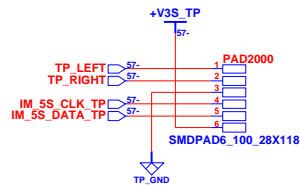
Power / Standby LED



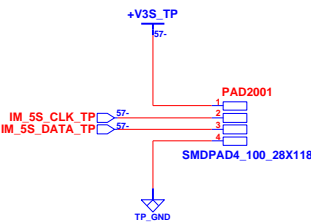
INVENTEC			
TITLE JOURNEY			
SIZE A3	CODE CS	DOC. NUMBER 1310A2406601-0-MT	REV R01
CHANGE by LIN.YT		29-Sep-2010	
SHEET 56		OF 60	

DB PICK Button Board

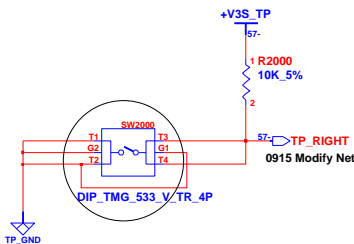
To Touchpad Module



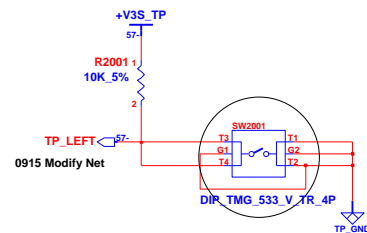
To MB KBC



RIGHT BUTTON



LEFT BUTTON



FIX9021
FIX_MASK
FIX9022
FIX_MASK

INVENTEC

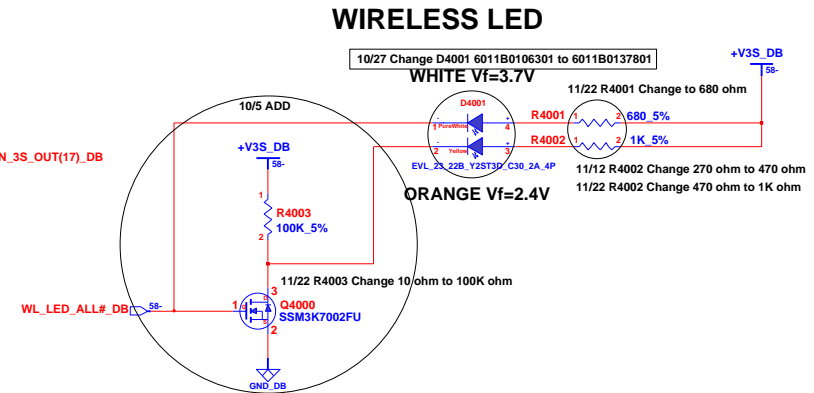
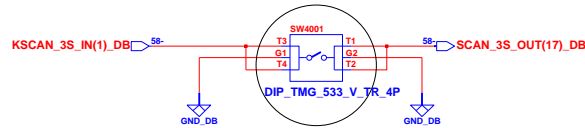
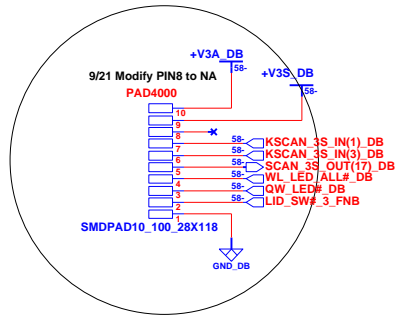
TITLE **JOURNEY**

SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2406601-0-MT	R01

CHANGE by *LIN.YT* 26-Oct-2010

SHEET 57 OF 60

DB LAUNCH BOARD(Wireless LED & Quick LED H-SENSOR)



WIRELESS LED

10/27 Change D4001 6011B0106301 to 6011B0137801

WHITE Vf=3.7V

11/22 R4001 Change to 680 ohm

ORANGE Vf=2.4V

11/12 R4002 Change 270 ohm to 470 ohm

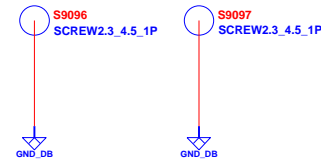
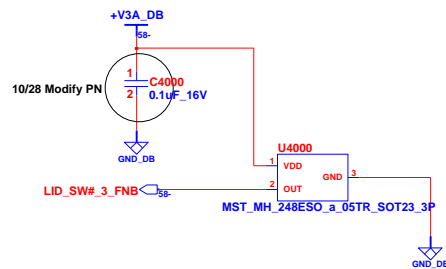
11/22 R4002 Change 470 ohm to 1K ohm

QUICK Lanch LED

WHITE Vf=3.2V

11/12 Change 270 ohm to 220 ohm

11/22 Change 220 ohm to 680 ohm



INVENTEC

TITLE **JOURNEY**

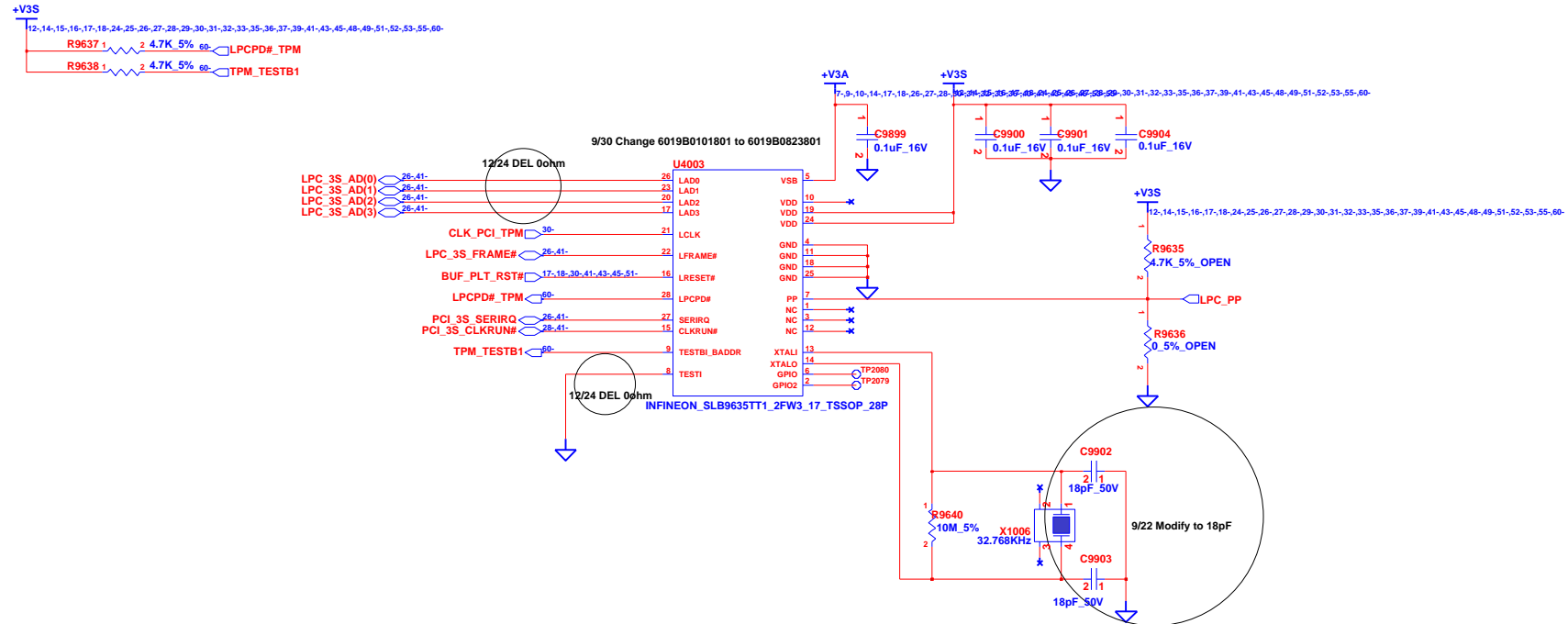
SIZE **A3** CODE **CS** DOC. NUMBER **1310A2406601-0-MT** REV **R01**

CHANGE by **LIN.YT** 29-Sep-2010

SHEET **58** OF **60**

	1	2	3	4	5	6	7	8	
A	<div>DB DIGITAL MIC Board</div>								A
B	<div><div>9/20 DEL</div></div>								B
C									C
D									D
E									E
F									F
	1	2	3	4	5	6	7	8	

INVENTEC			
TITLE JOURNEY			
SIZE A3	CODE CS	DOC. NUMBER 1310A2406601-0-MT	REV R01
CHANGE by LIN.YT		29-Sep-2010	
SHEET 59		OF 60	



INVENTEC			
TITLE JOURNEY			
SIZE A3	CODE CS	DOC. NUMBER 1310A2406601-0-MT	REV R01
SHEET 60		OF 60	

CHANGE by LIN.YT 29-Sep-2010