

	1	2	3	4	5	6	7	8																															
A	THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF INVENTEC CORPORATION AND SHALL NOT BE REPRODUCED, COPIED, OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION, INVENTEC CORPORATION 2010 ALL RIGHT RESERVED								A																														
	HSF Property : Halogen-Free																																						
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																															

JOURNEY

MV-2 BUILD

2011.03.21

DRAWER	EE	DATE	POWER	DATE	INVENTEC
DESIGN					
CHECK					
RESPONSIBLE					
SIZE = 3VER :					TITLE
FILE NAME : XXXX-XXXXXX-XX					JOURNEY
P/N XXXXXXXXXXXX					SIZE CODE DOC. NUMBER REV
					A3 CS 310A2406601-0-MTR A01
					SHEET 1 OF 60

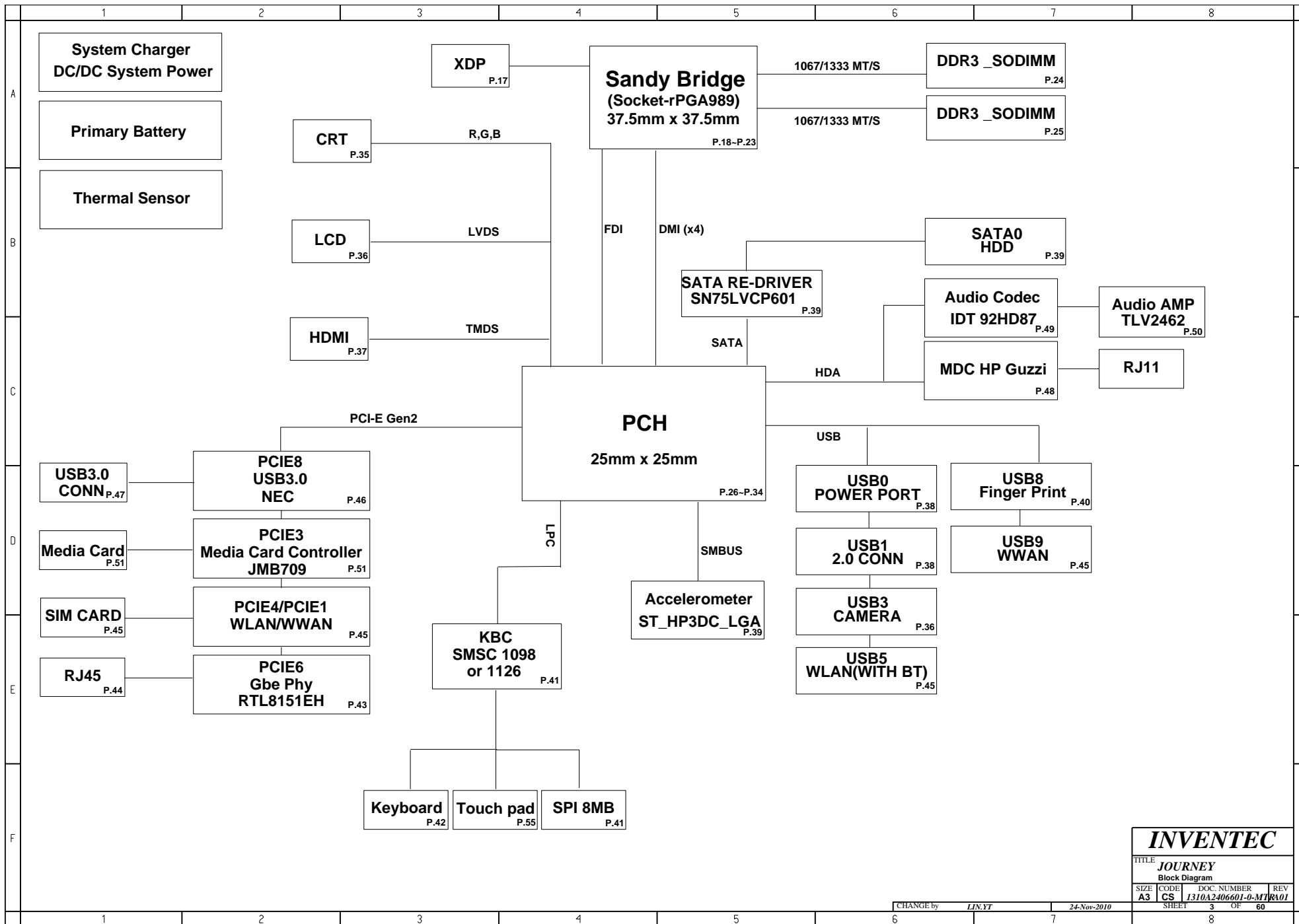
TABLE OF CONTENTS

5- DC& BATTERY CHARGER	26- PCH1	55- DB CONN TP&Launch&Power
6- SELECT & BATTERY CONN	27- PCH2	56- DB-POWER BOARD
7- SYSTEM POWER(3V/5V)	28- PCH3	57- DB PICK BOARD
8- SYSTEM POWER(+V1.5/+V0.75S)	29- PCH4	58- DB LAUNCH BOARD
9- POWER(+V1.8S)	30- PCH5	59- BLANK
10- SYSTEM POWER(+VCCP)	31- PCH6	60- TPM
11- CPU POWER(+V0.85S)	32- PCH7-POWER	
12- CPU POWER(+VCC_CORE)	33- PCH8-POWER	
13- CPU POWER(+VGFX)	34- PCH9	
14- POWER(SLEEP)	35- CRT	
15- POWER(SEQUENCE)	36- LCD & WEBCAM	
16- FAN & THERMAL	37- HDMI CONN	
17- XDP CONN	38- USB 2.0 Power port & USB 2.0 CONN	
18- SANDY BRIDGE1	39- SATA CONN & G-SENSOR	
19- SANDY BRIDGE2	40-FINGER PRINTER CNTR	
20- SANDY BRIDGE4	41- KBC / SPI	
21- SANDY BRIDGE3	42- Keyboard/ Point Stick	
22- SANDY BRIDGE5	43- LAN INTERFACE	
23- SANDY BRIDGE6	44- LAN RJ45 CNTR	
24- DDR3-DIMM0	45- WWAN/WLAN/SIM	
25- DDR3-DIMM1	46- USB3.0 CONTROLLER	
	47- USB3.0 CONN	
	48- MDC	
	49- CODEC	
	50- MIC & Hearphone JACK	
	51- CARD READER	
	52- POWER / BATTERY / Wireless LED	
	53- STITCHING CAPS(EMI)	
	54- SCREW	

INVENTEC

TITLE JOURNEY Index			
SIZE A3	CODE CS	DOC. NUMBER 1310A2406601-0-MT	REV R01
SHEET 2		OF 60	

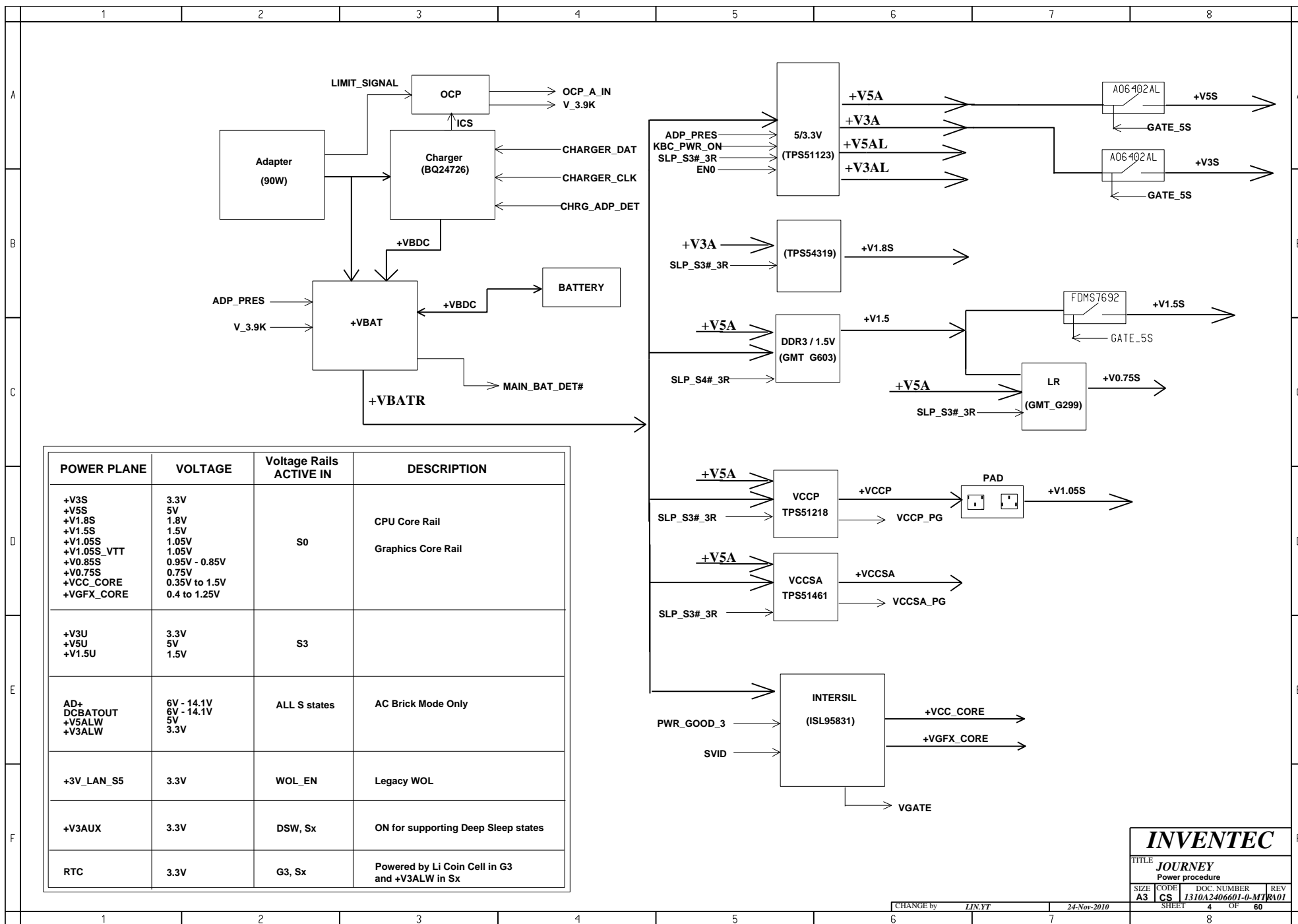
CHANGE by **LIN.YT** 29-Sep-2010

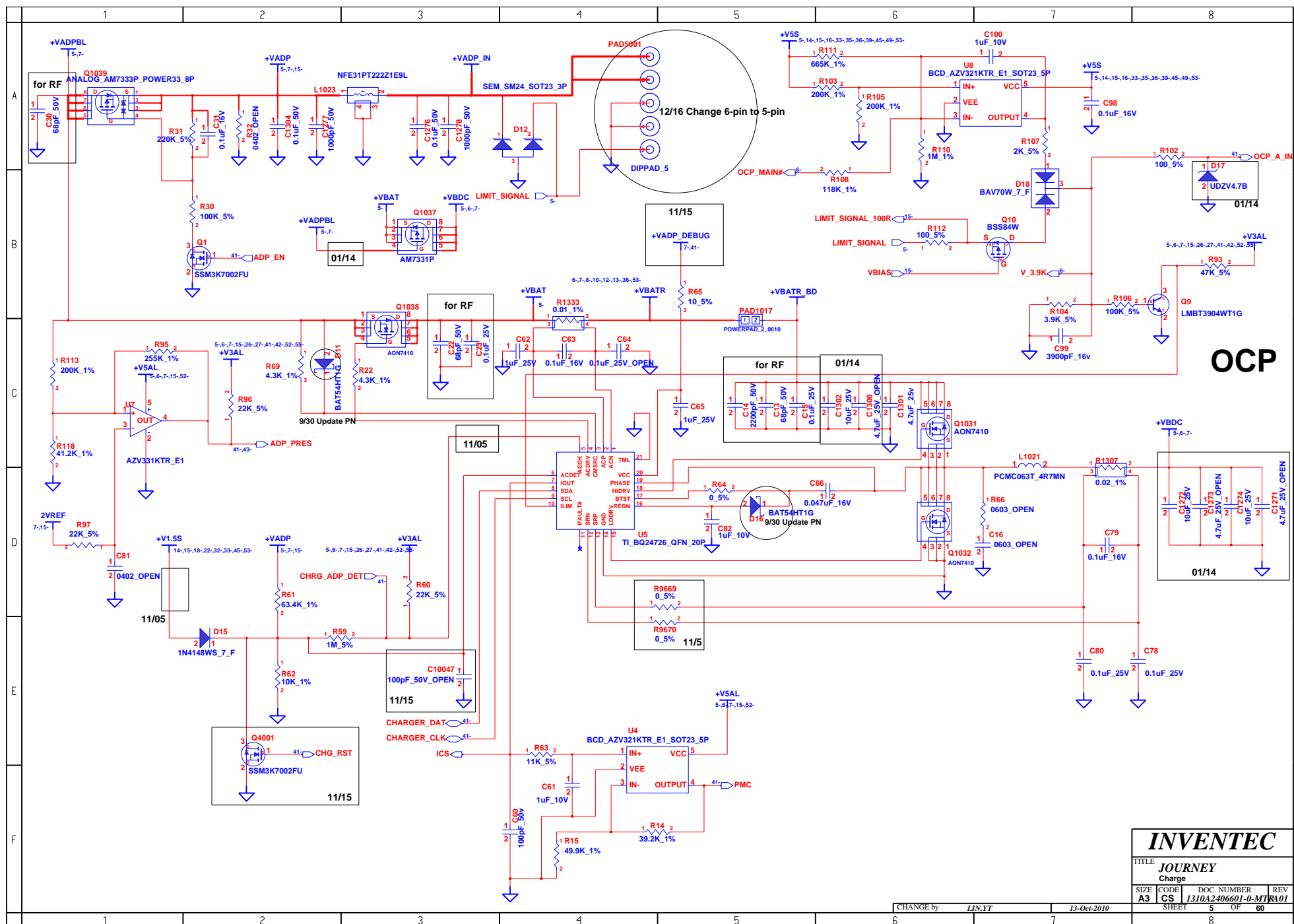


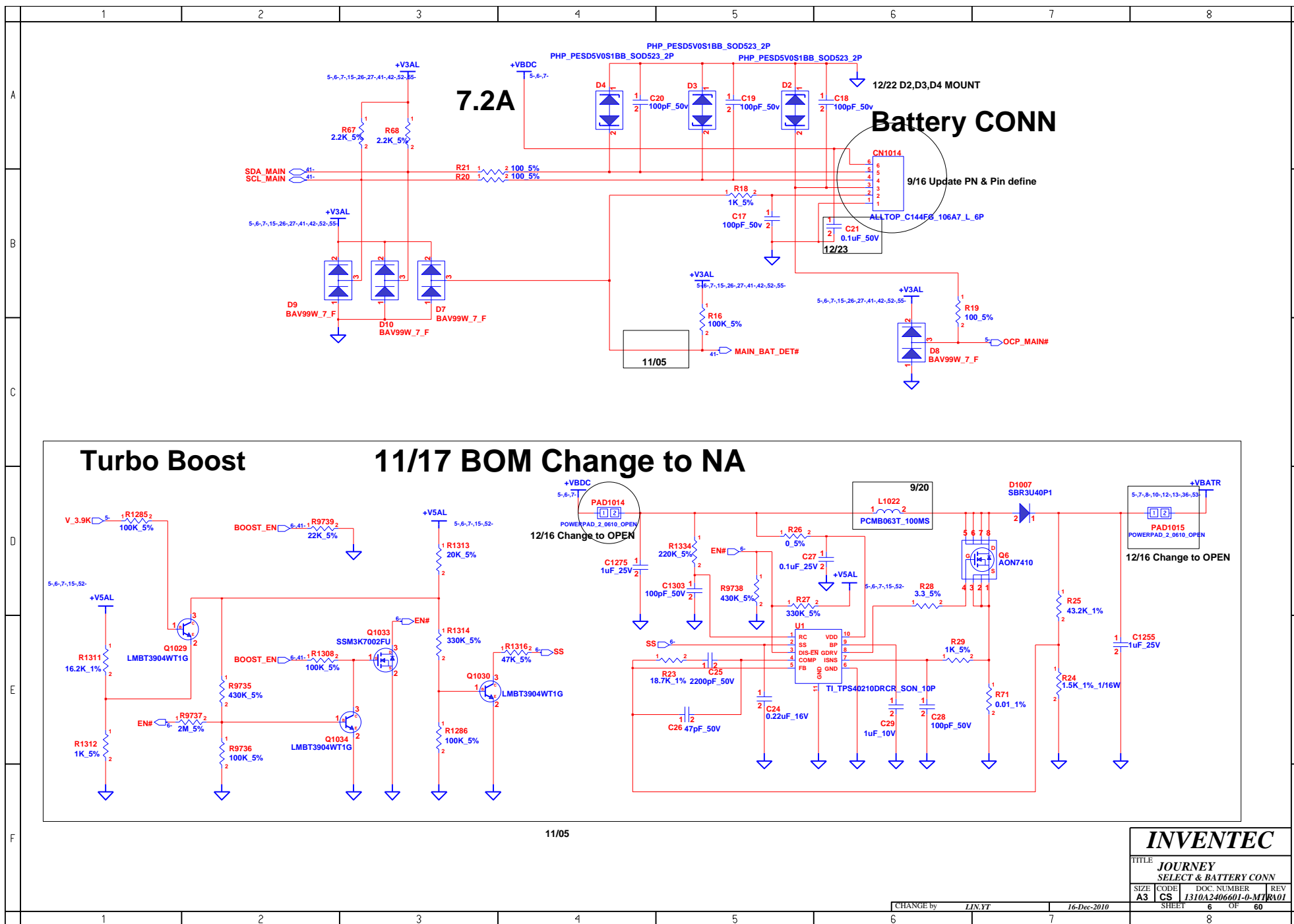
INVENTEC

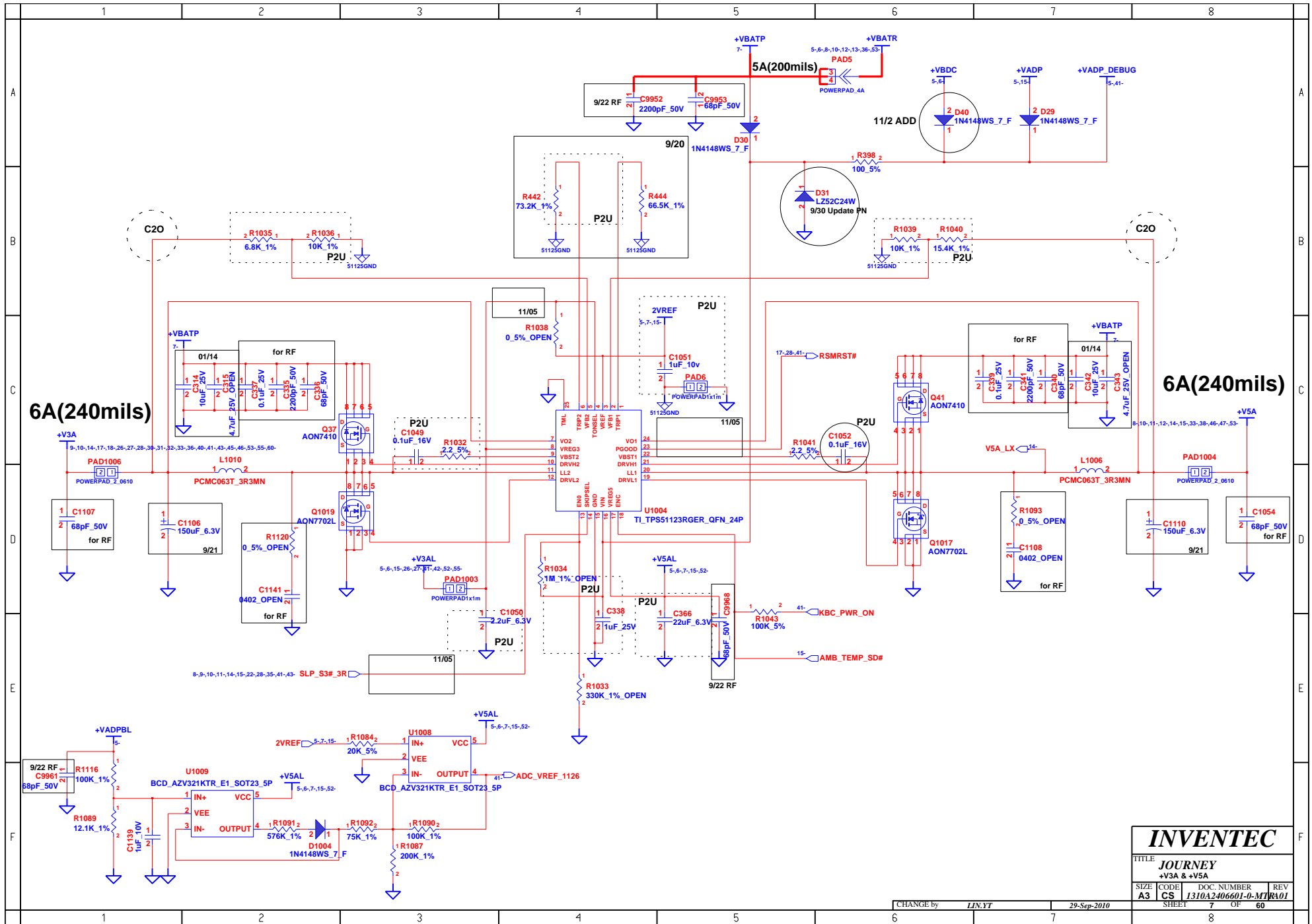
TITLE			
JOURNEY			
Block Diagram			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2406601-0-MT	R01
SHEET		3	OF 60

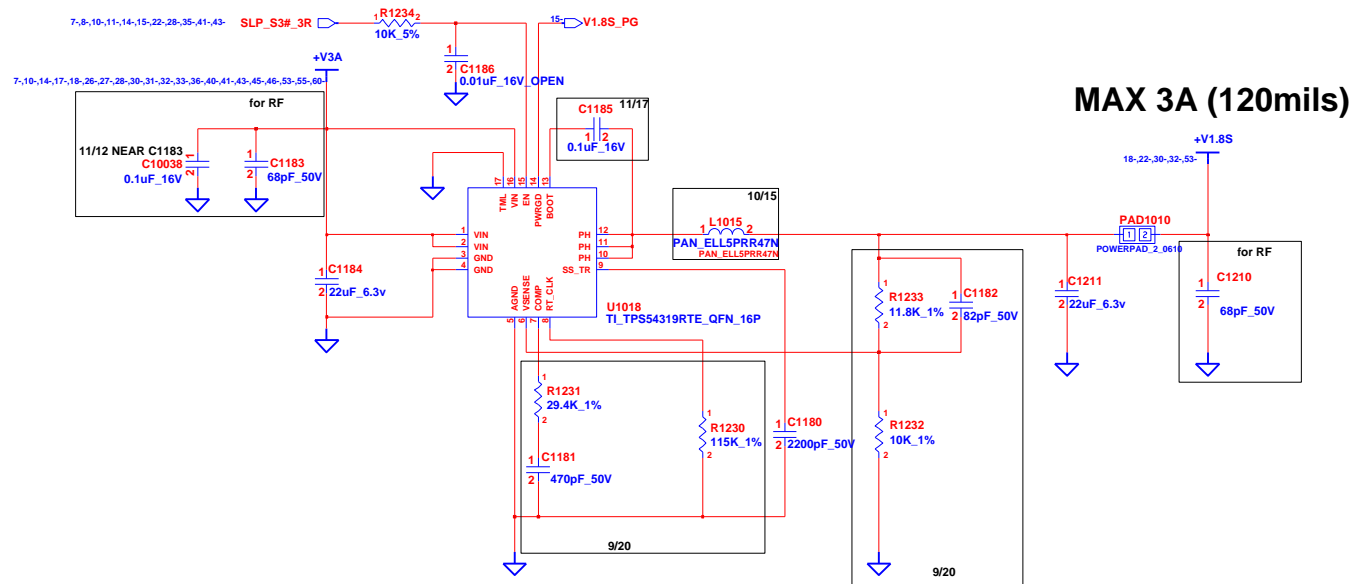
CHANGE by *LIN.YT* 24-Nov-2010





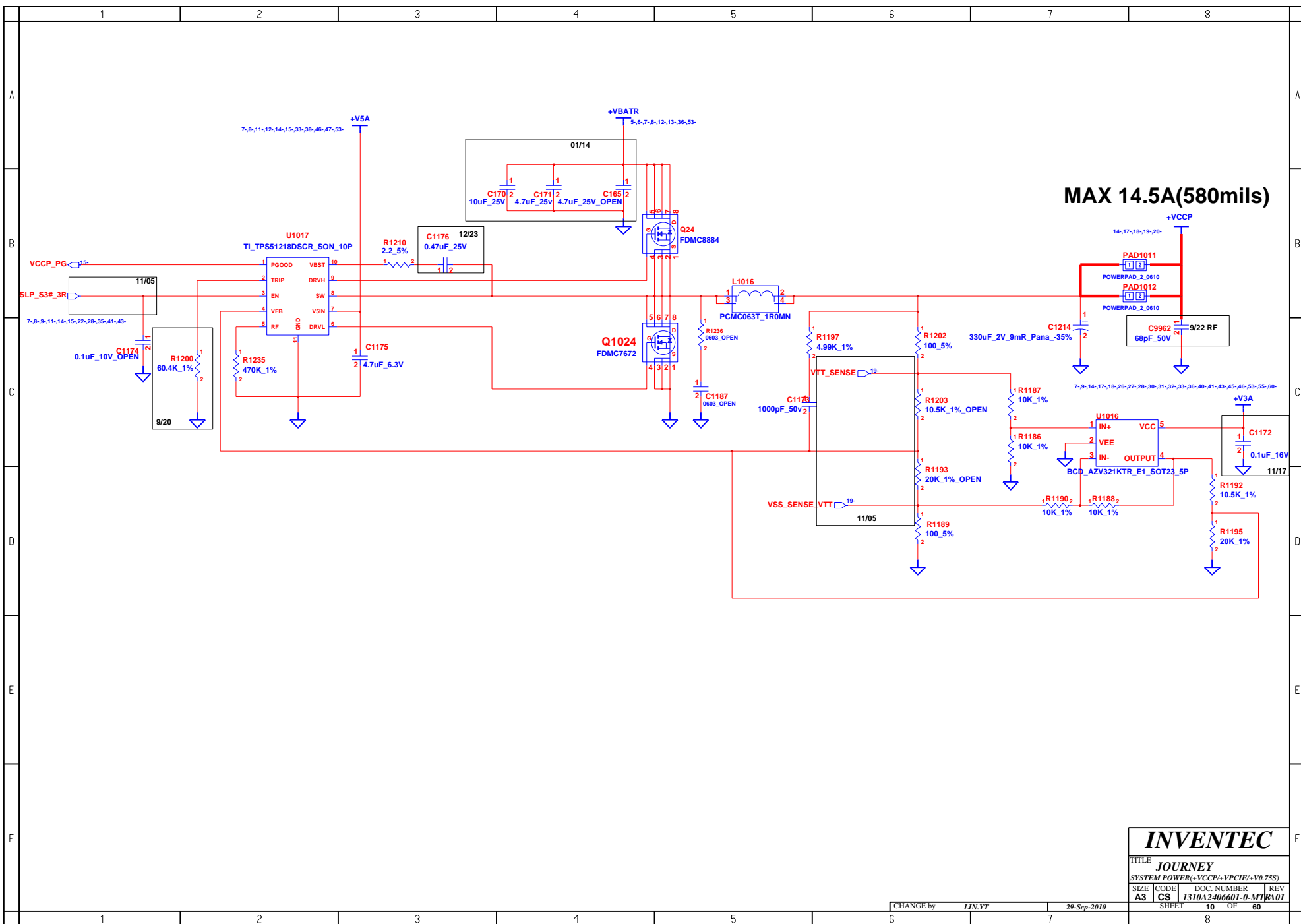


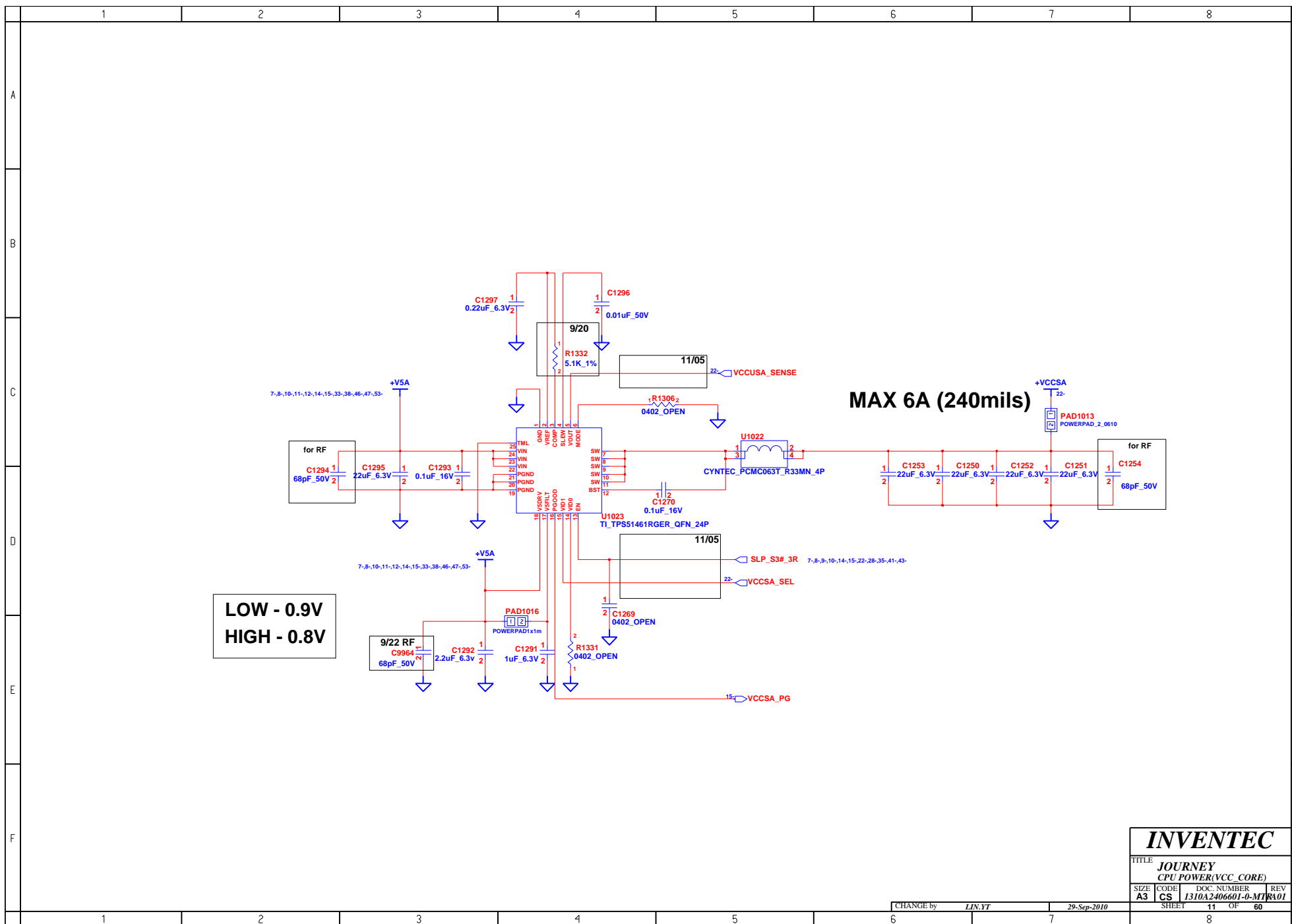


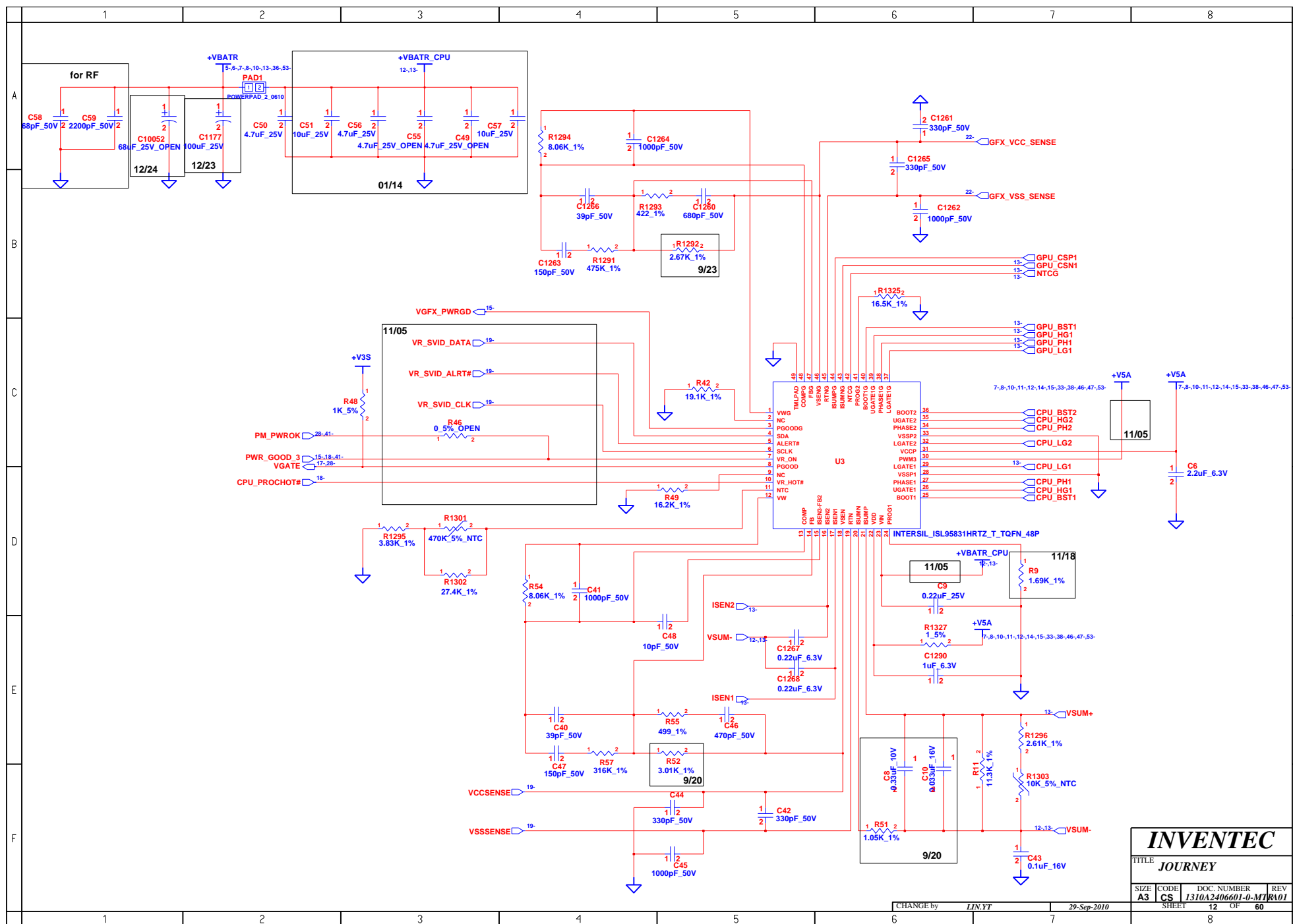


INVENTEC			
TITLE JOURNEY			
GPU POWER(VDD_CORE/+V1.8S)			
SIZE A3	CODE CS	DOC. NUMBER 1310A2406601-0-MT	REV R01
SHEET 9		OF 60	

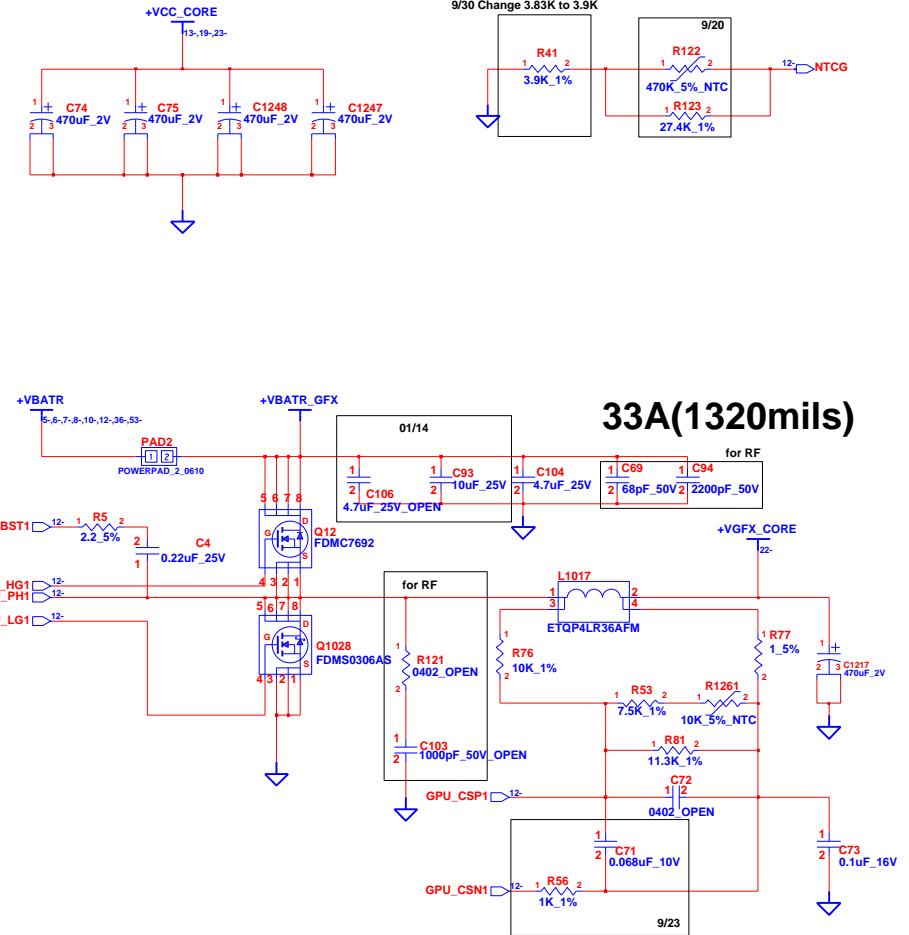
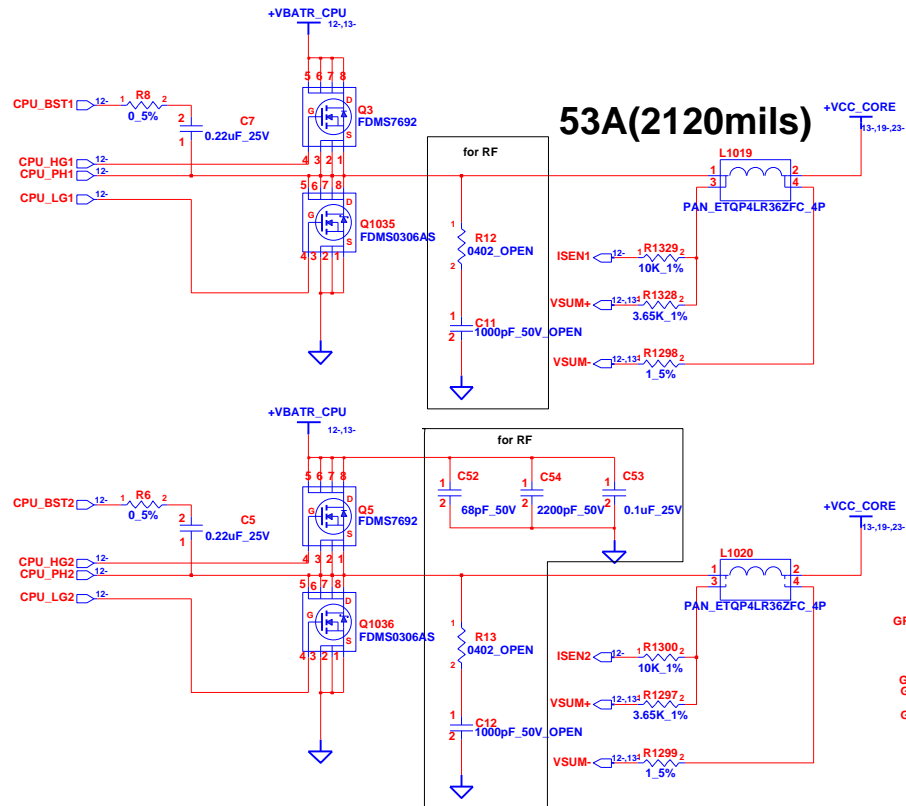
CHANGE by LJN.YT 12-Nov-2010







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



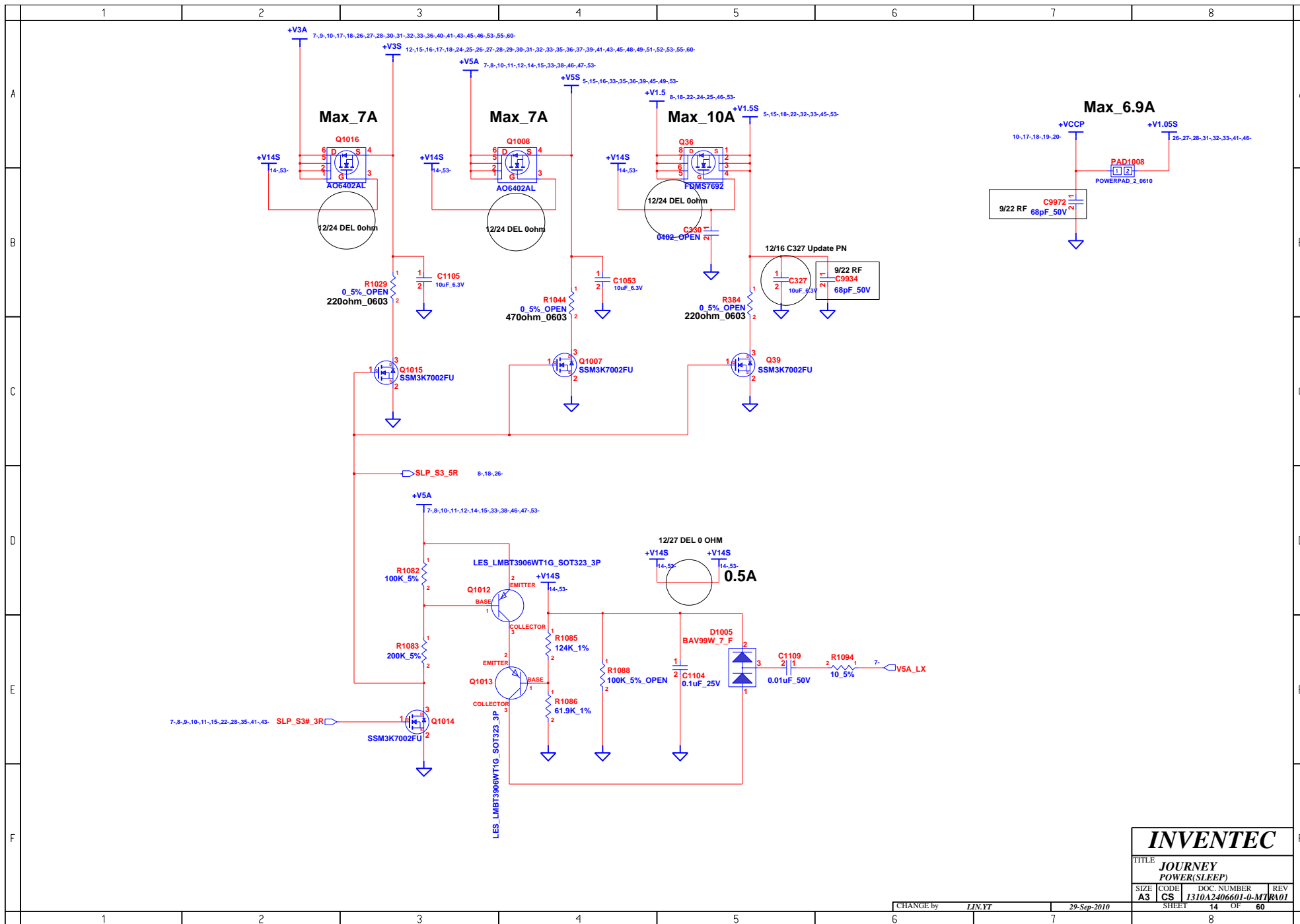
INVENTEC

TITLE **JOURNEY**

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

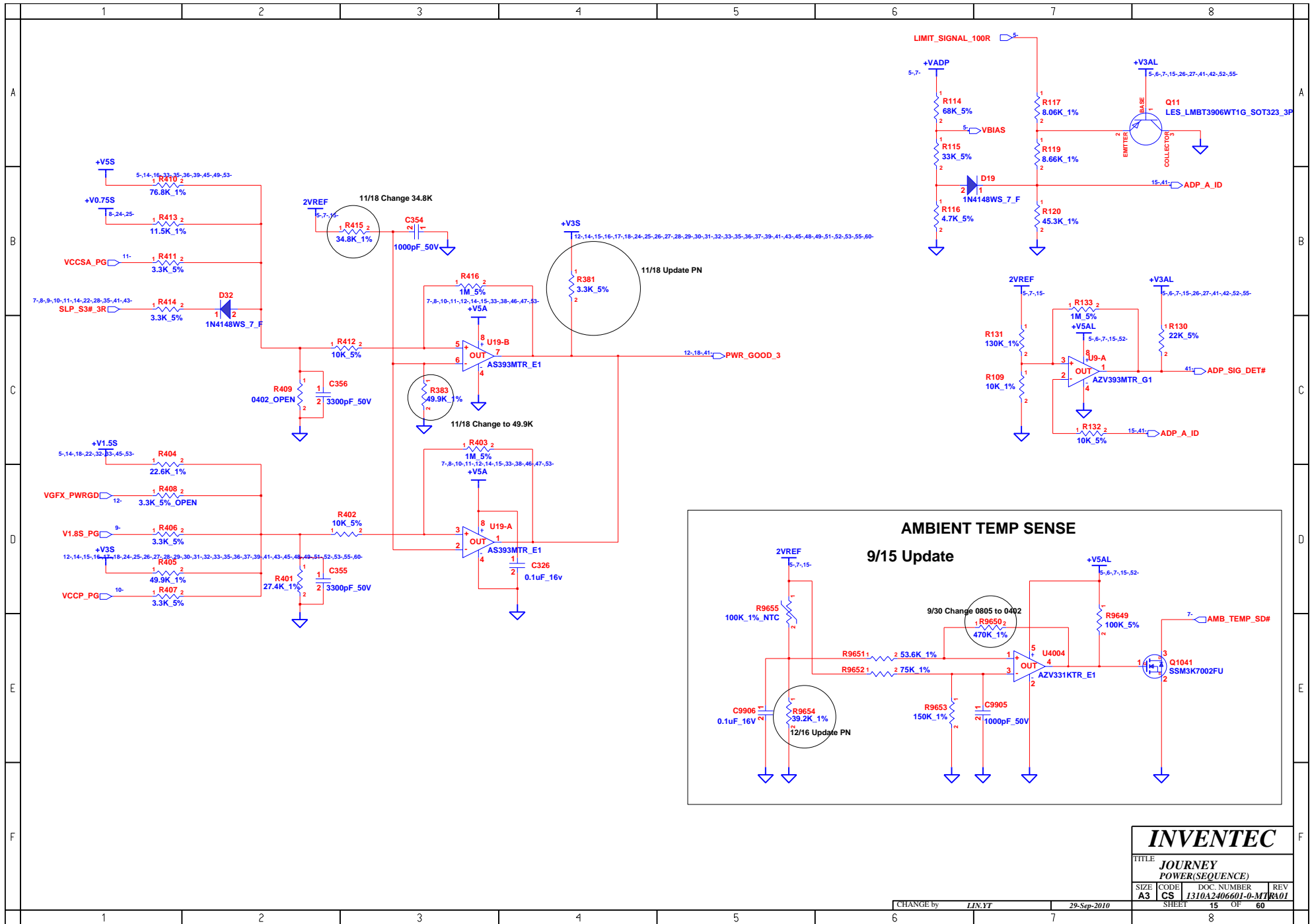
CHANGE by **LIN.YT** 29-Sep-2010

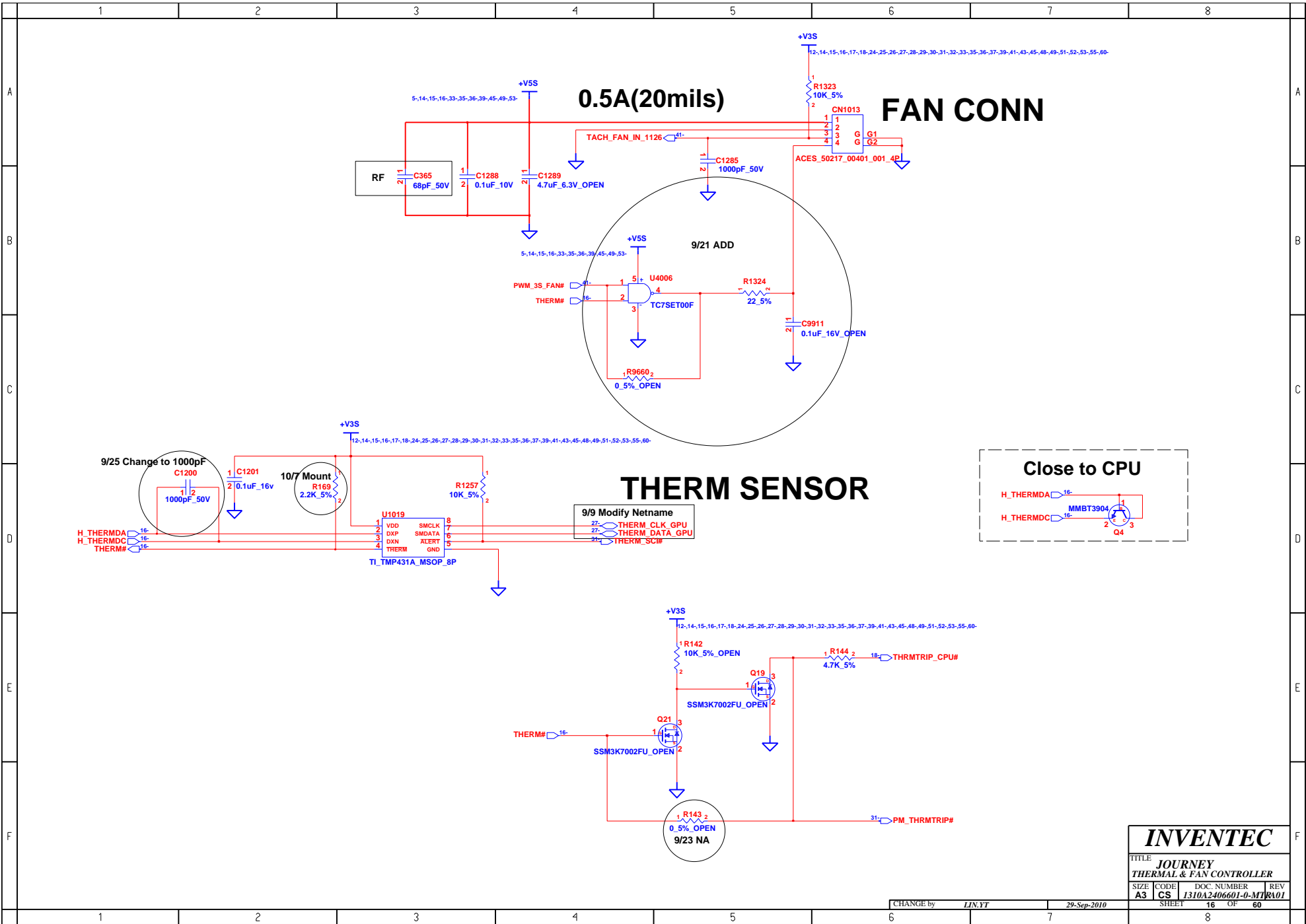
SHEET 13 OF 60



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

CHANGE by: LIN.YT 29-Sep-2010





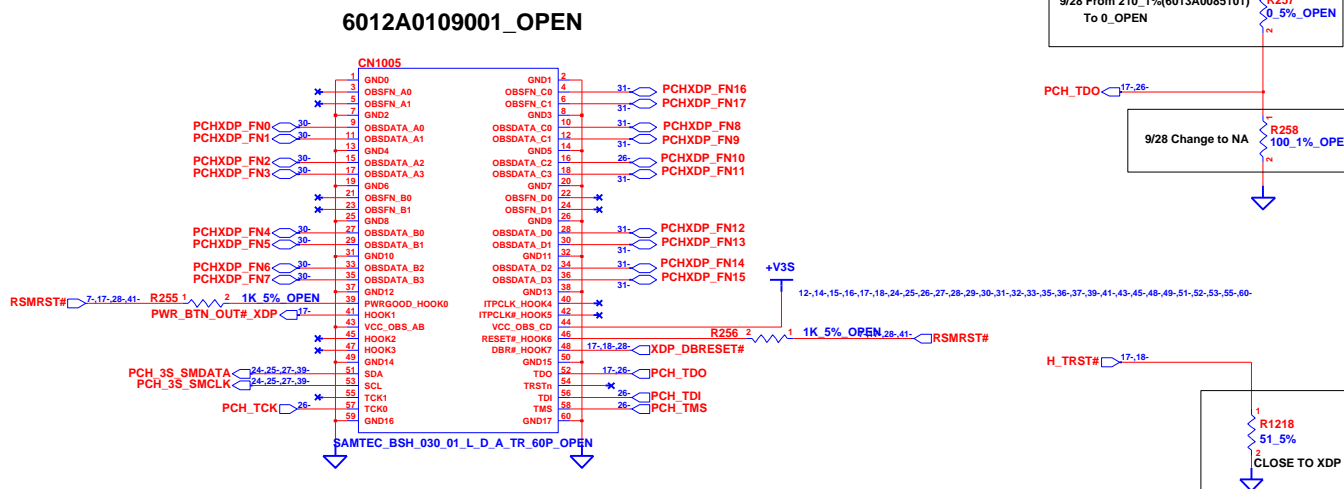
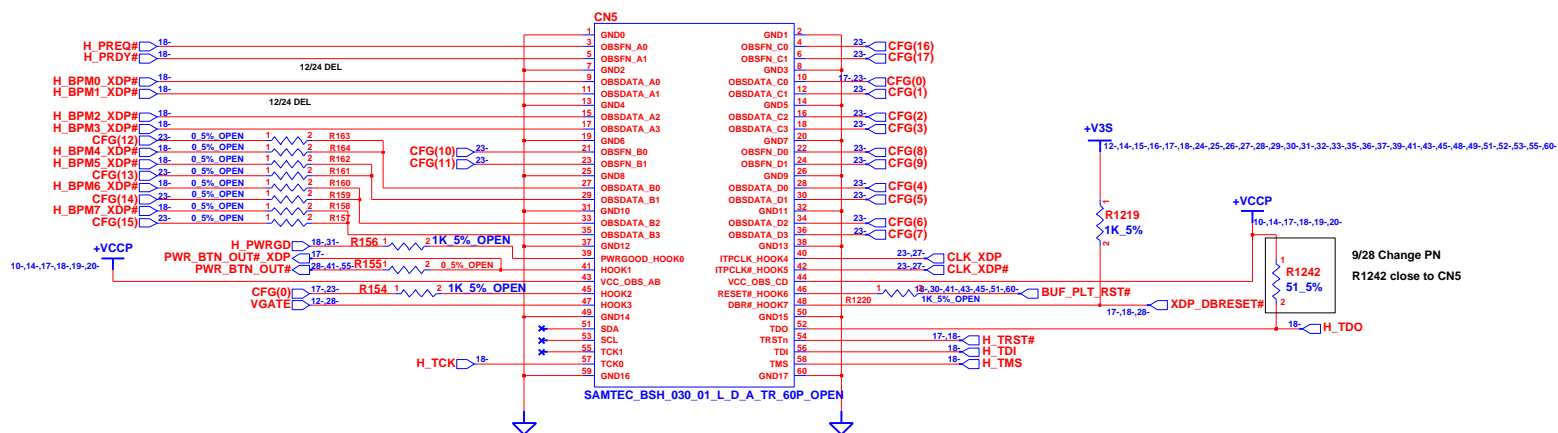
INVENTEC

TITLE **JOURNEY**
THERMAL & FAN CONTROLLER

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

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

SHEET 16 OF 60



INVENTEC

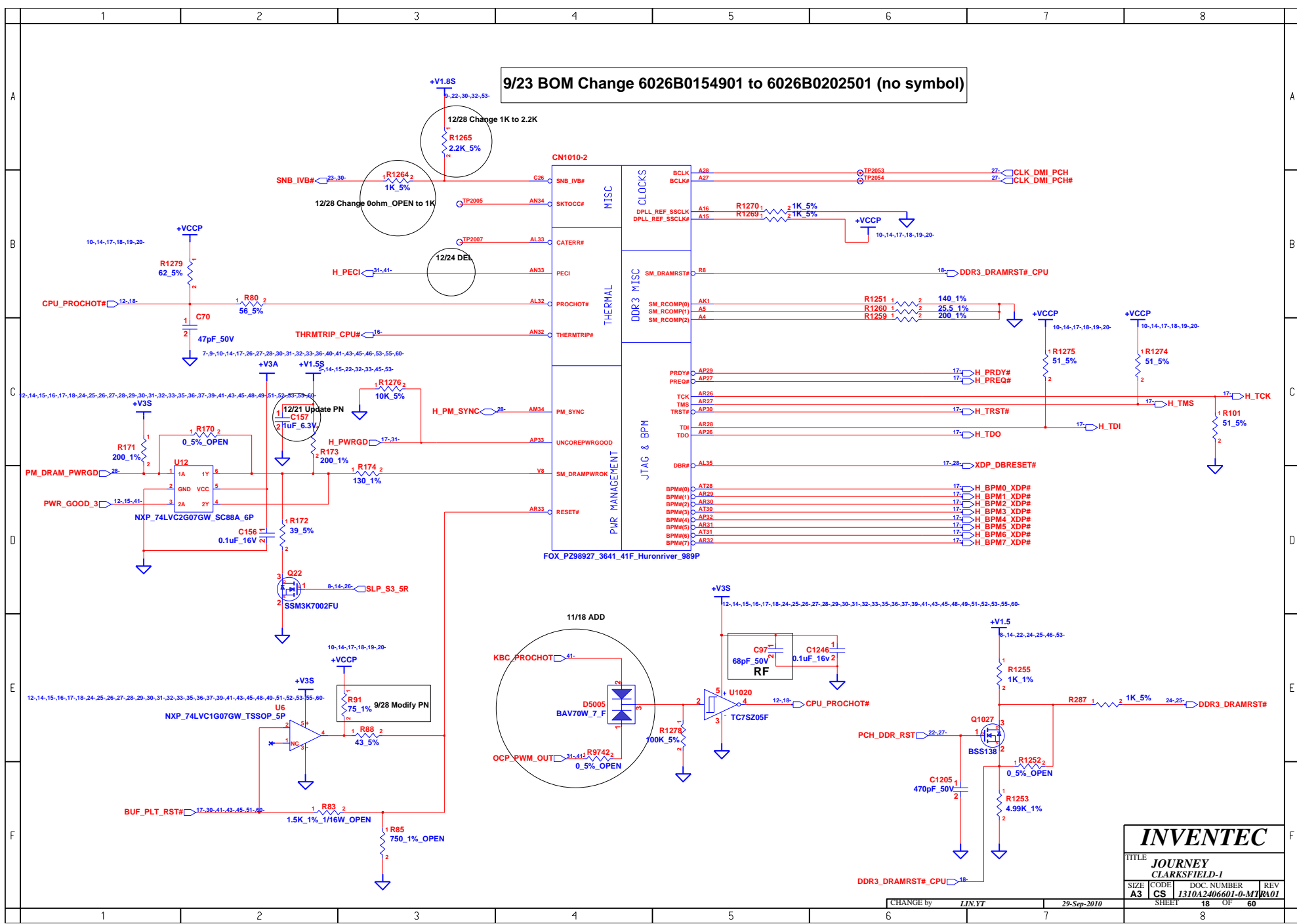
TITLE **JOURNEY**

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

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

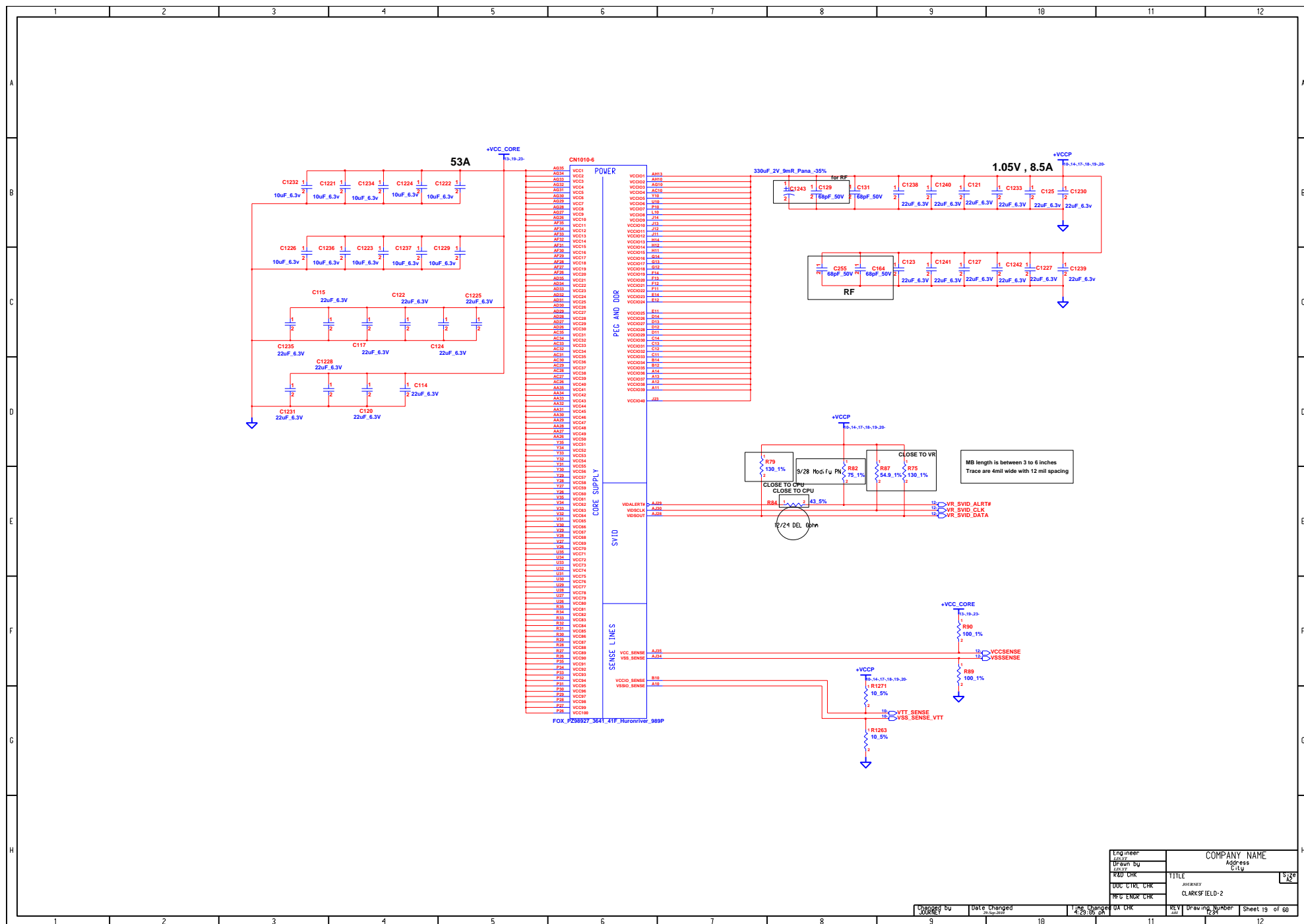
SHEET 17 OF 60

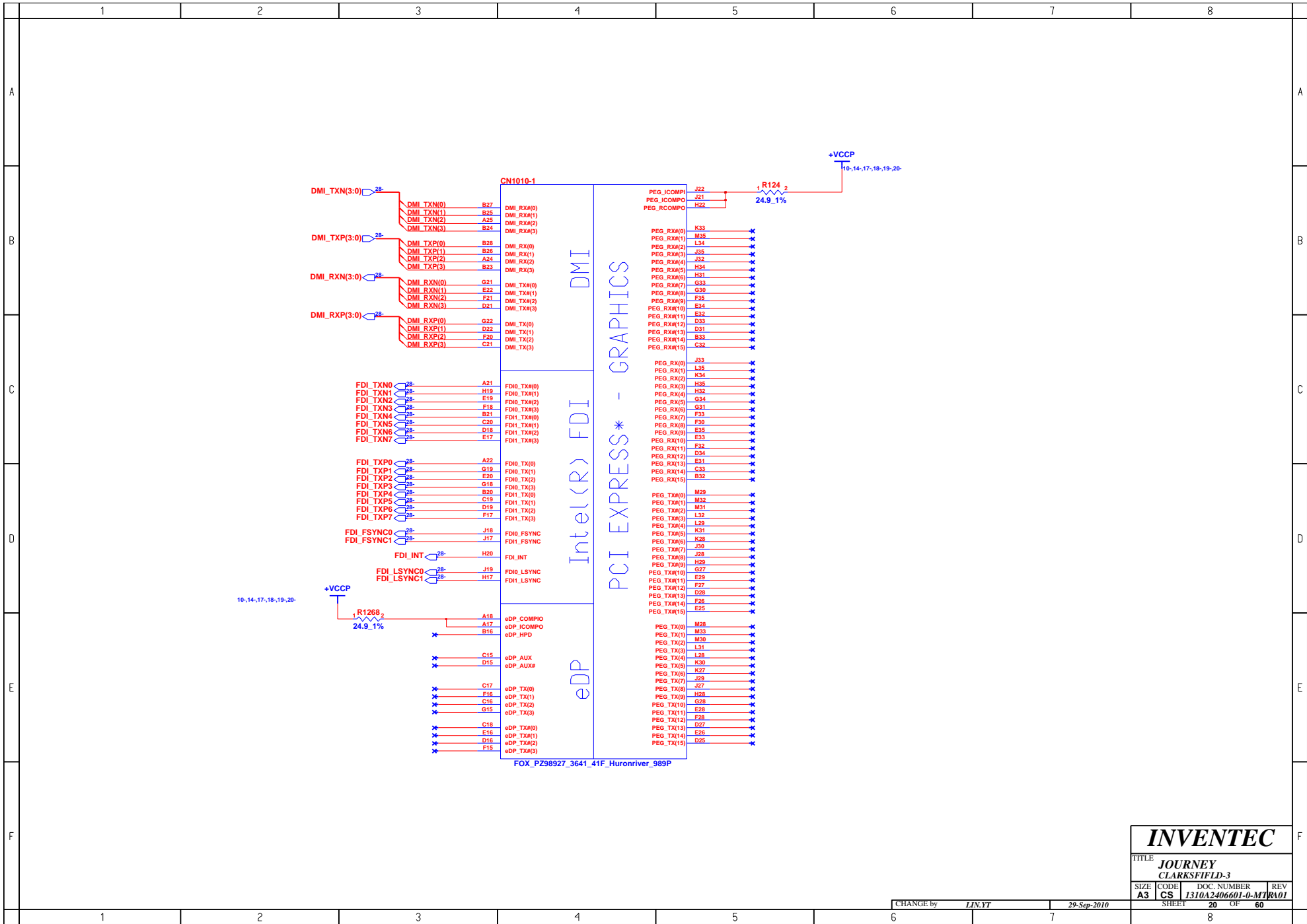
9/23 BOM Change 6026B0154901 to 6026B0202501 (no symbol)



INVENTEC			
TITLE JOURNEY CLARKSFIELD-1			
SIZE A3	CODE CS	DOC. NUMBER 1310A2406601-0-MT	REV R101
SHEET 18		OF 60	

CHANGE by LIN.YT 29-Sep-2010





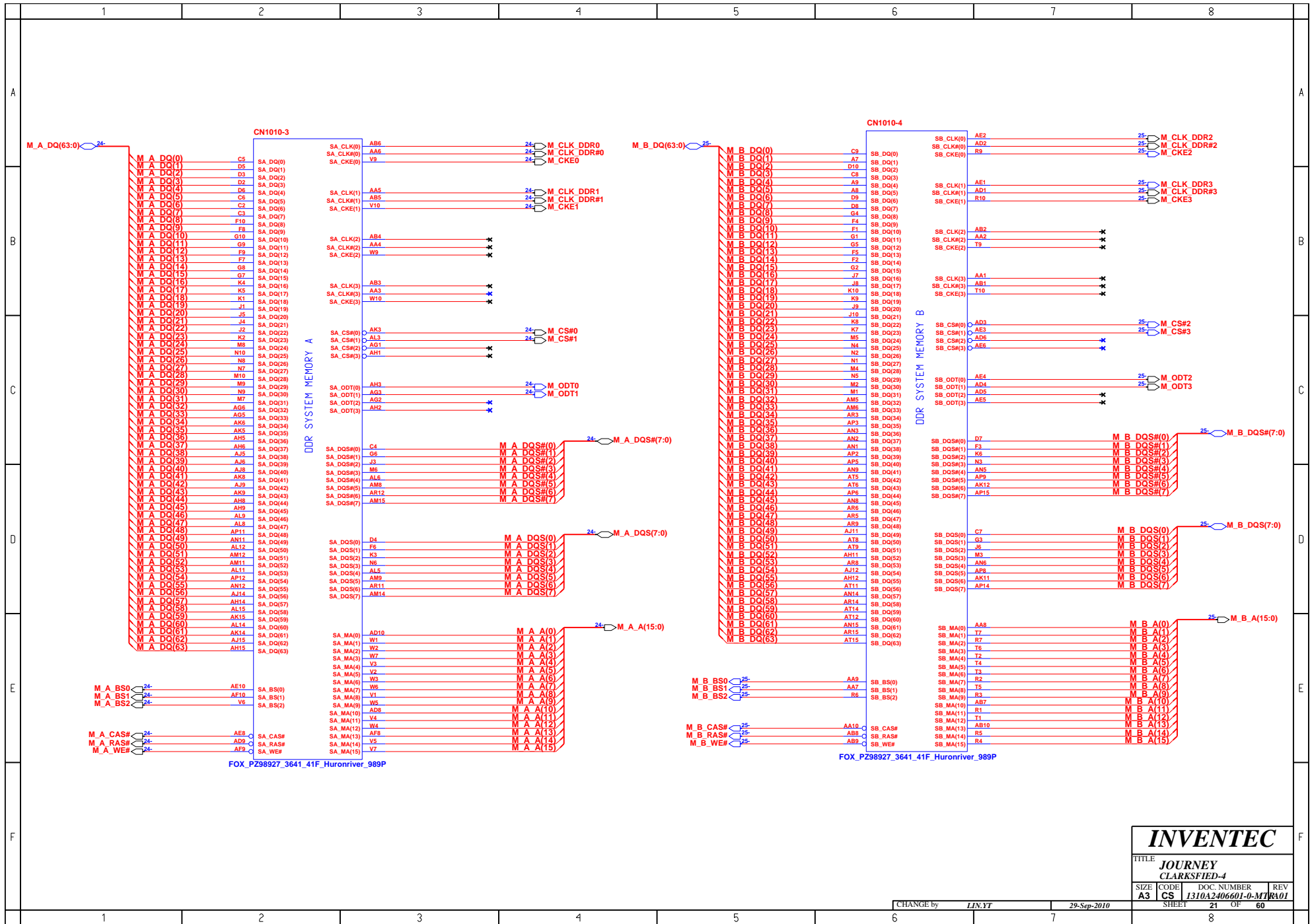
INVENTEC

TITLE
JOURNEY
CLARKSFIFLD-3

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

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

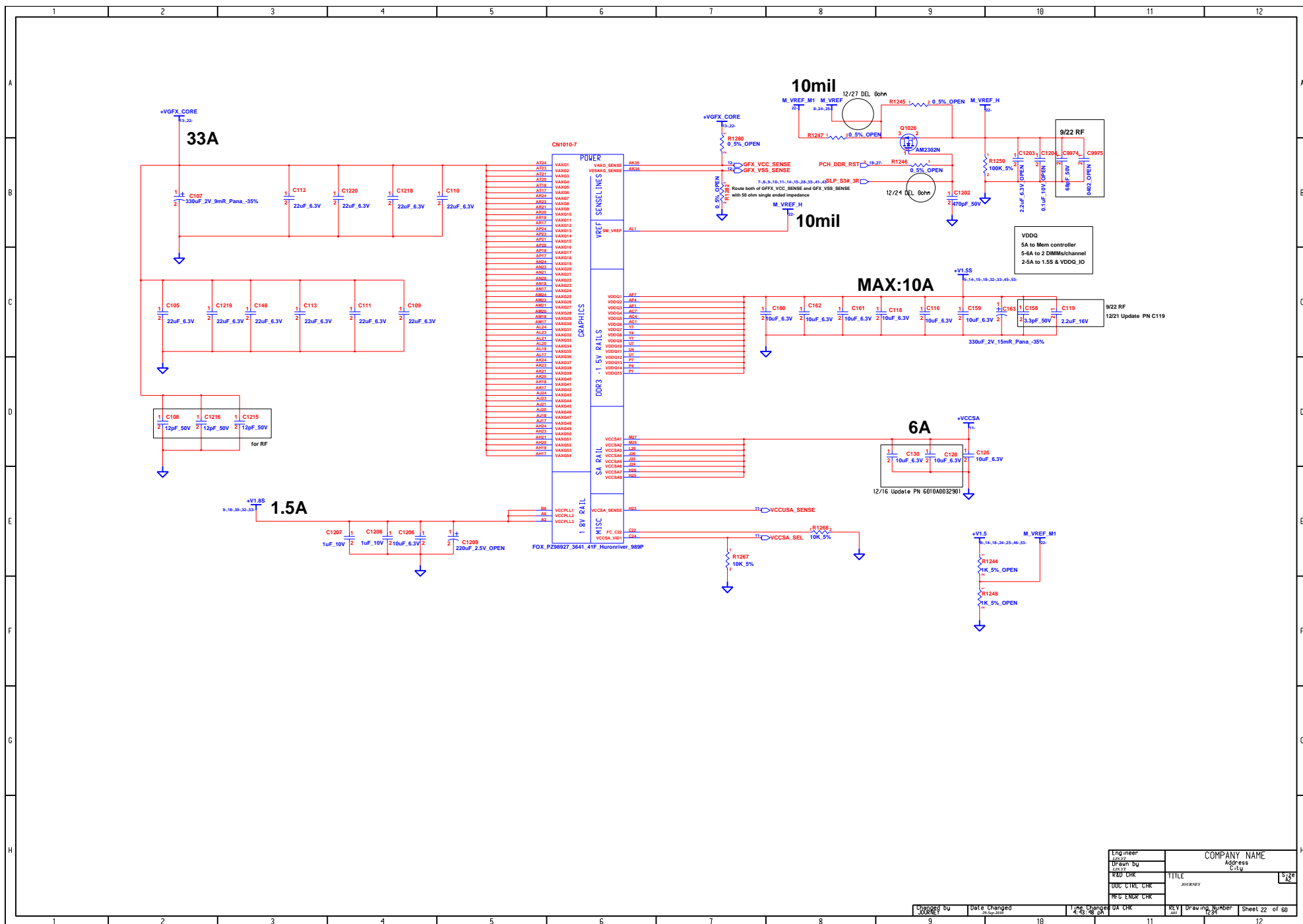
SHEET 20 OF 60

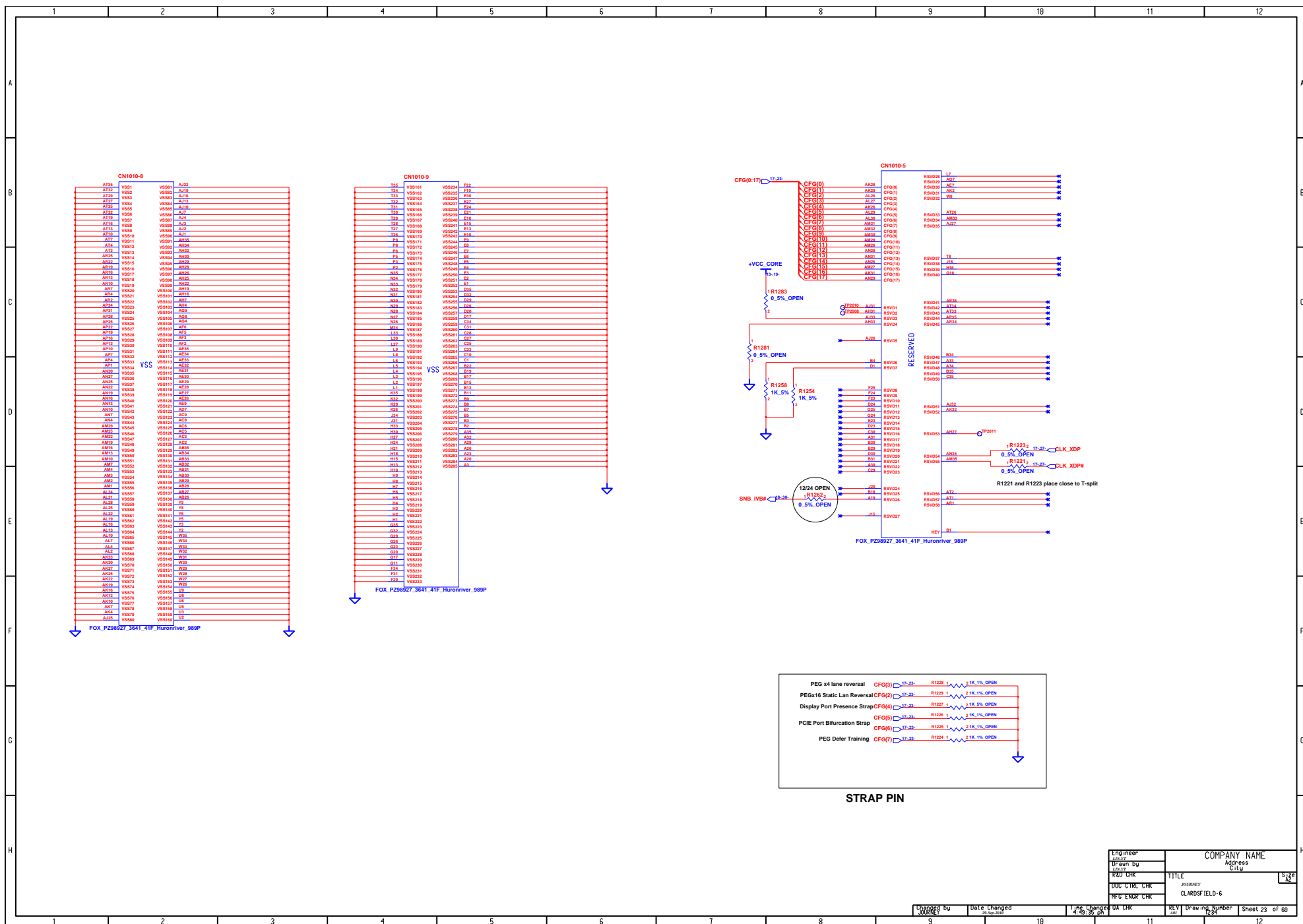


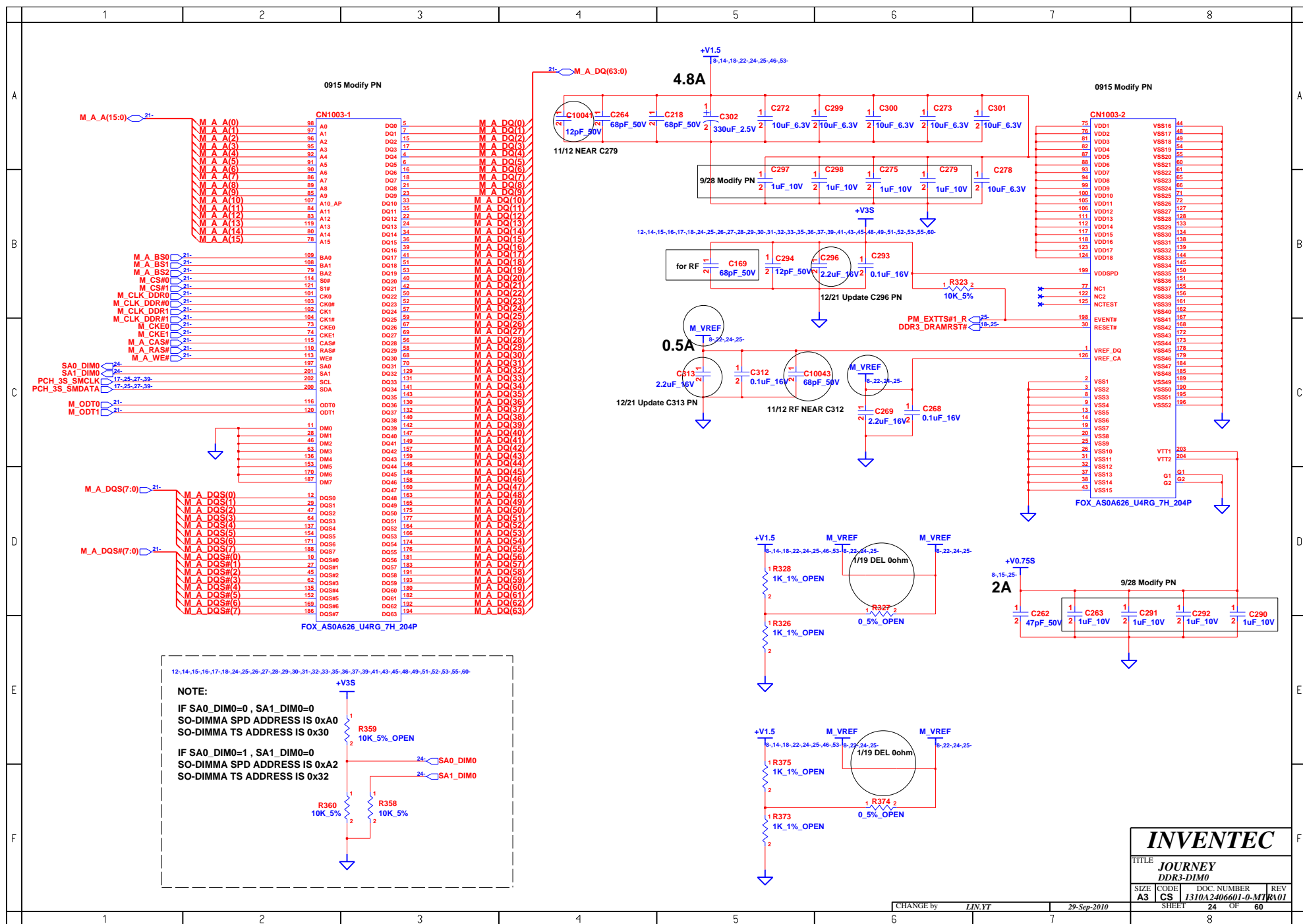
INVENTEC

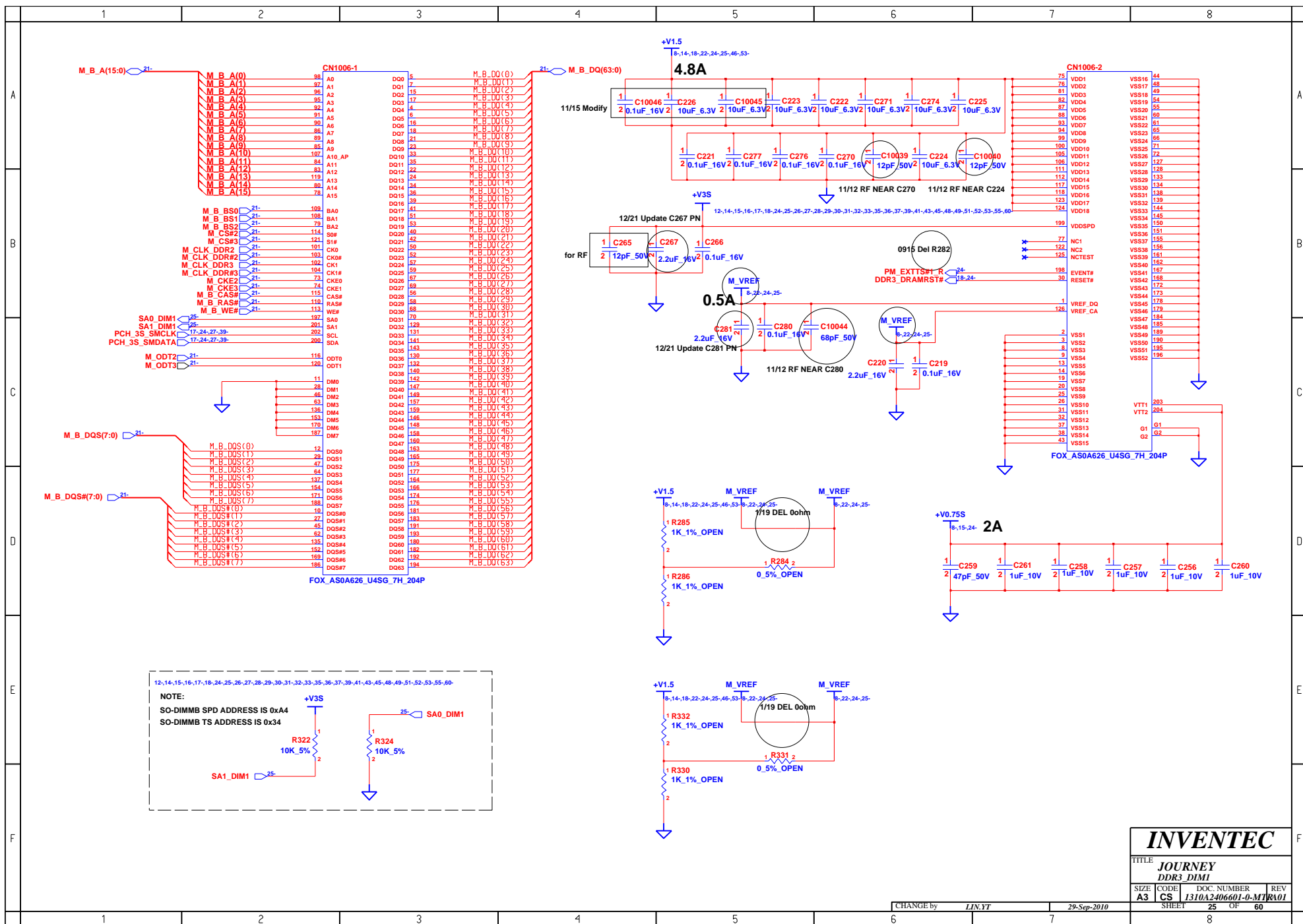
TITLE			
JOURNEY CLARKSFIED-4			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2406601-0-MT	R01
SHEET		21	OF 60

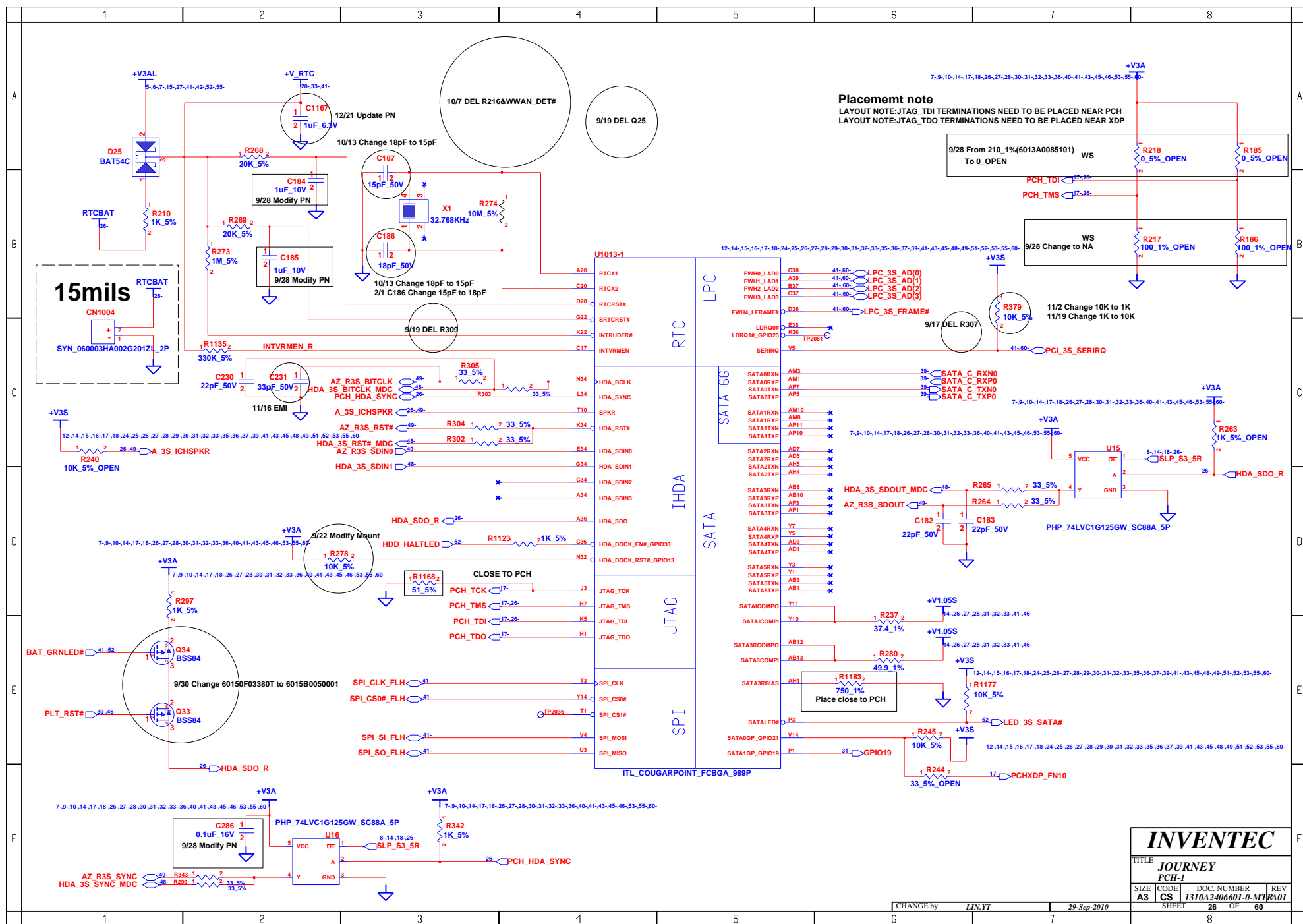
CHANGE by LIN.YT 29-Sep-2010

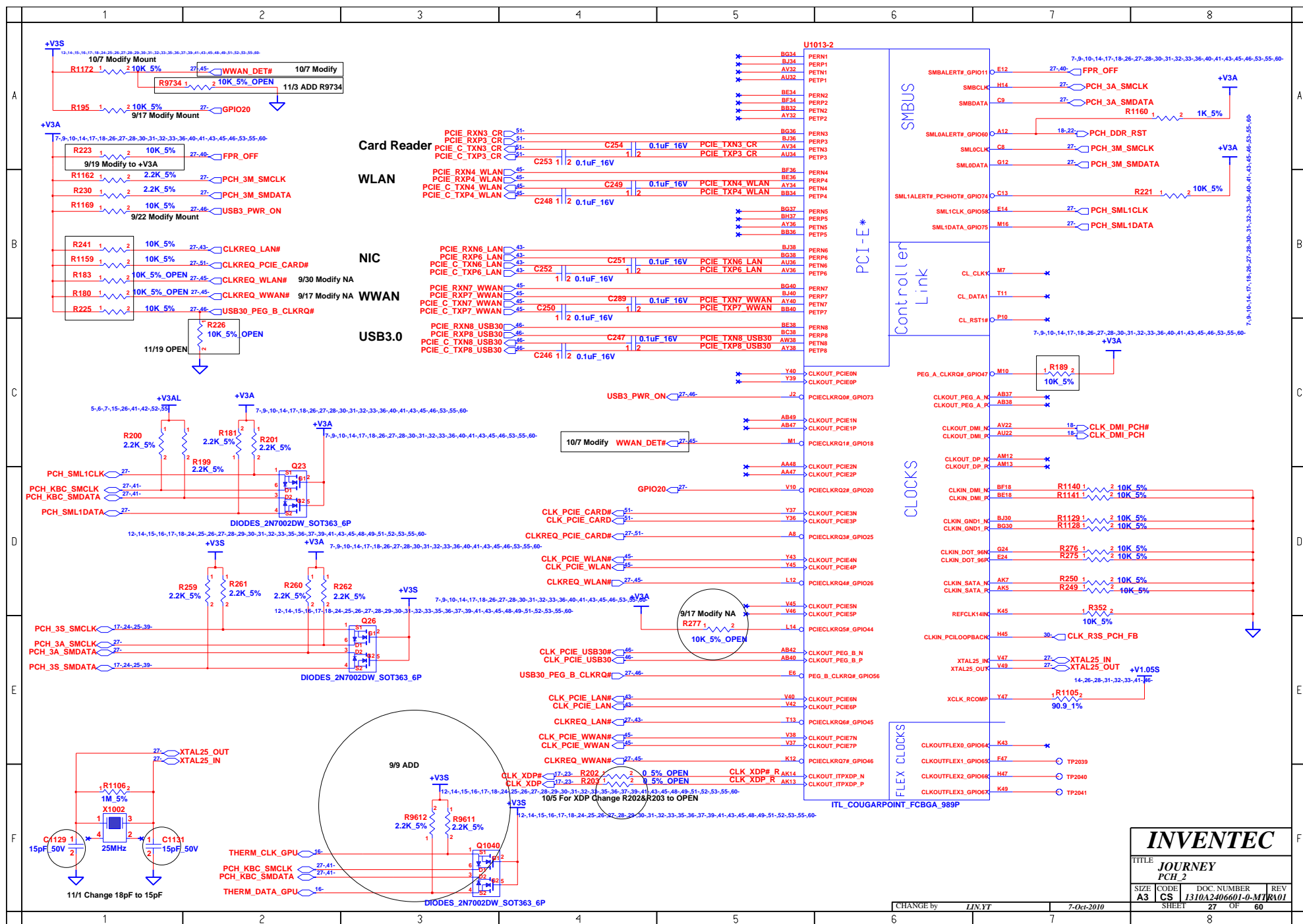




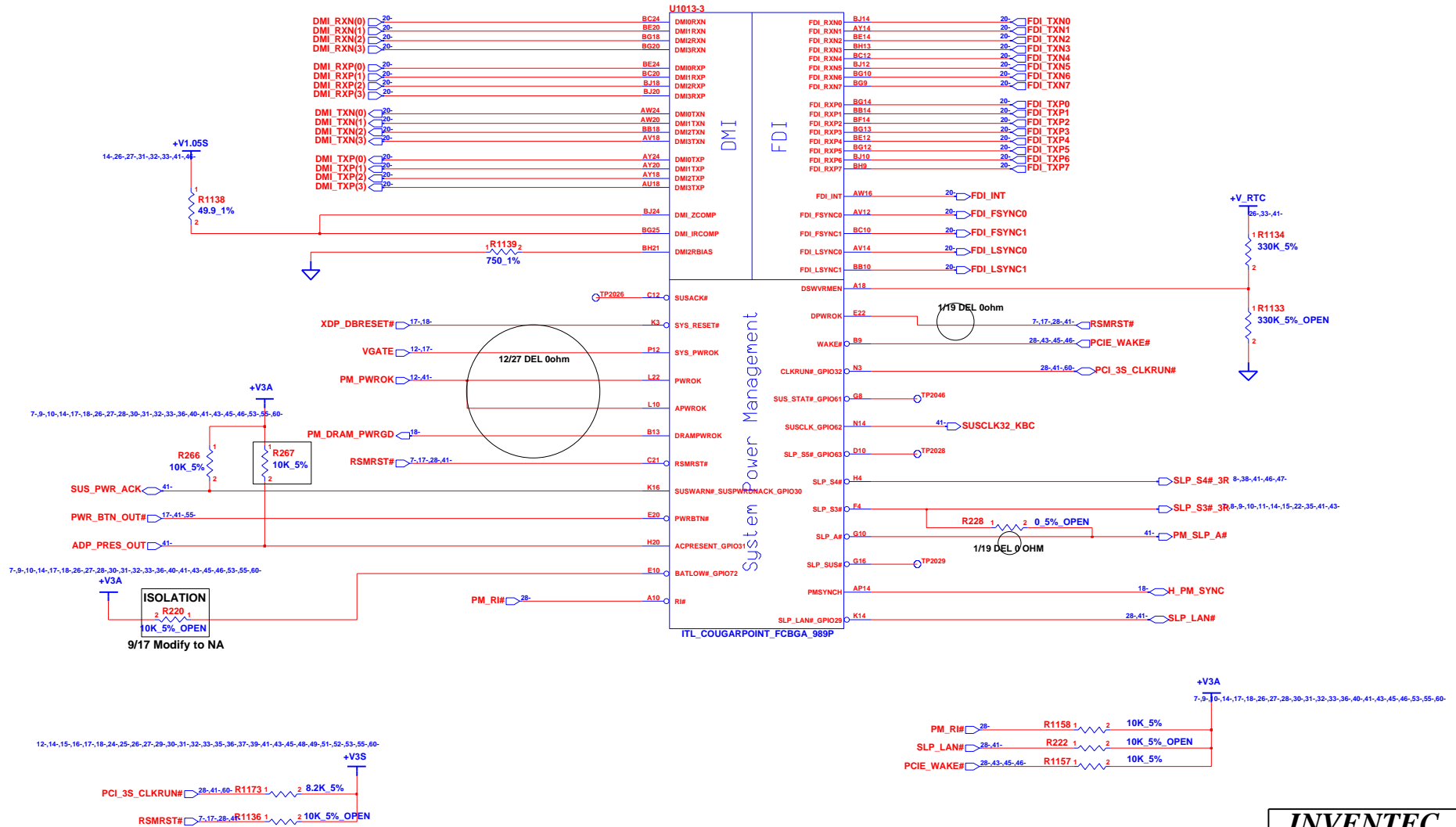








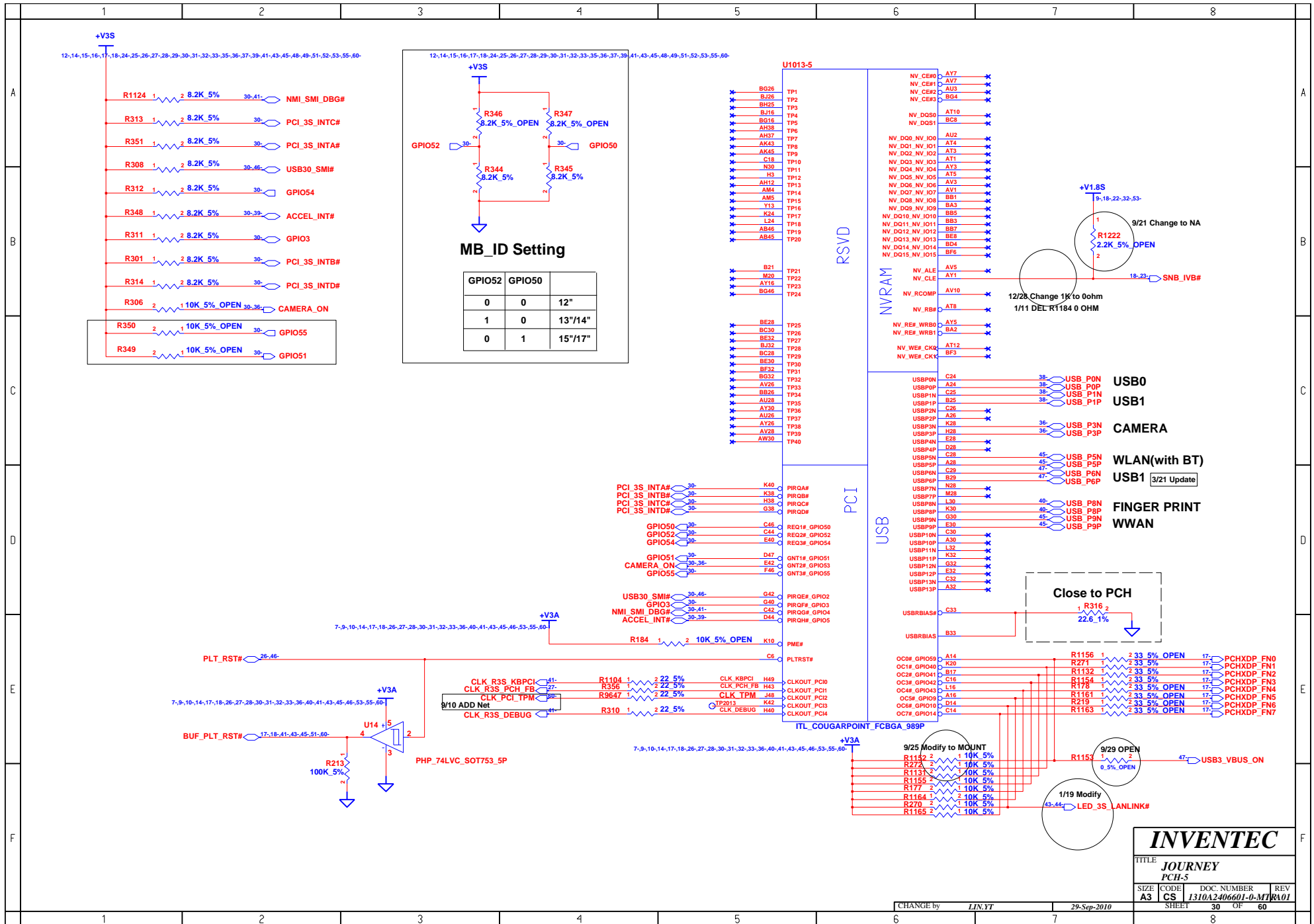
Note: 1.SLP_SUS and SUSACK# are NC if DSW is not supported
 2.DPWROK should connect to RSMRST# if DSW not supported
 3.PCH_DPWROK pull up to +V3S enables DSW support. No install R5261 to disable DSW

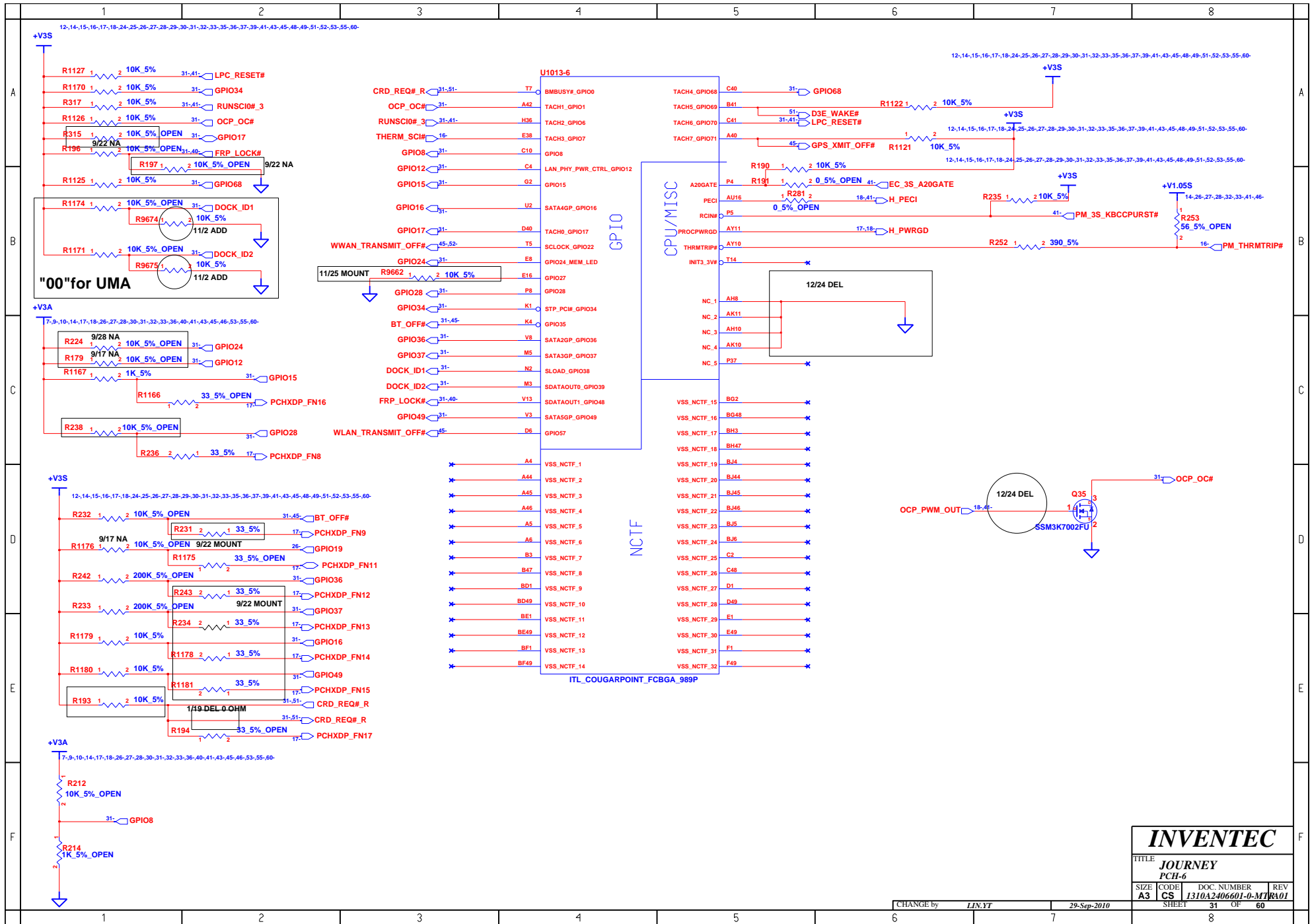


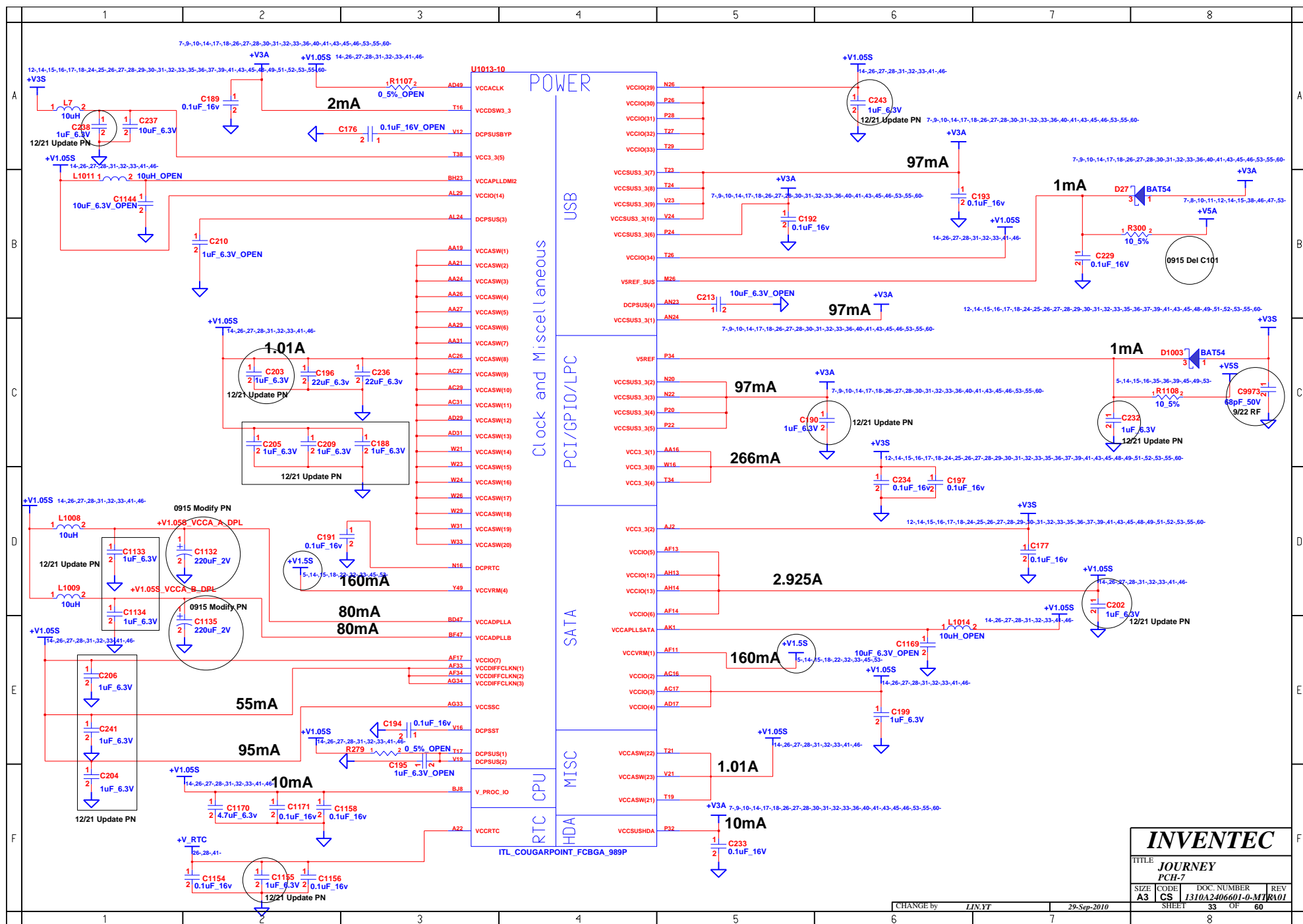
INVENTEC			
TITLE JOURNEY PCH-3			
SIZE A3	CODE CS	DOC. NUMBER 1310A2406601-0-MT	REV R01
SHEET 28		OF 60	

CHANGE by LJN.YT 29-Sep-2010









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

TITLE			
JOURNEY CRT & DP			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2406601-0-MTR	A01
SHEET		35	OF 60

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

A



2

D

1

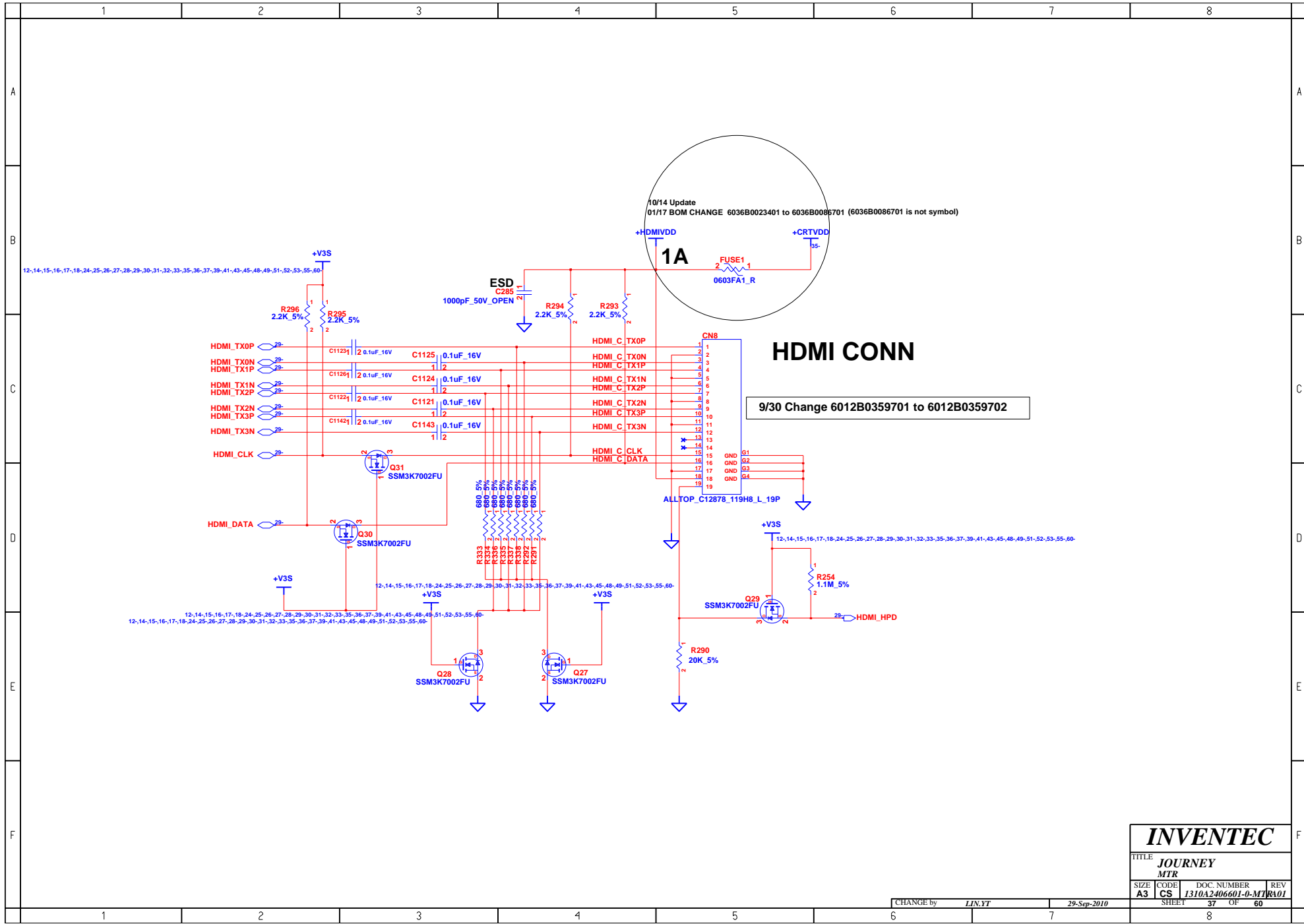
A

B

r

D

1



INVENTEC

TITLE
JOURNEY
MTR

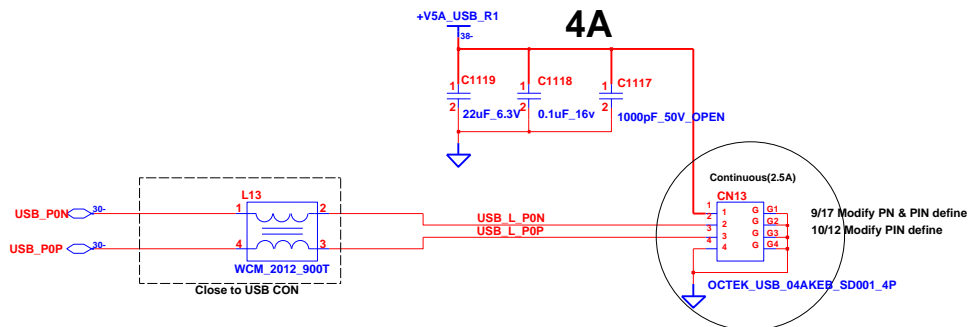
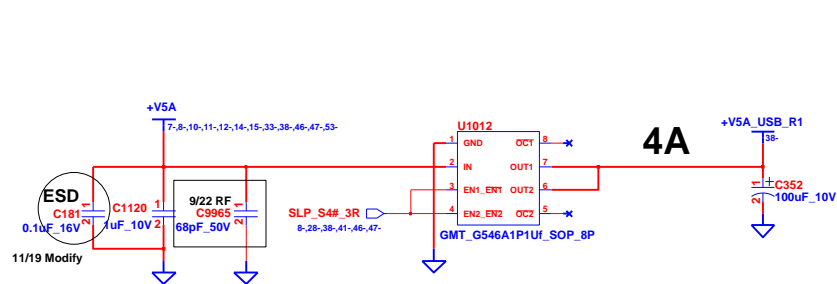
SIZE A3	CODE CS	DOC. NUMBER 1310A2406601-0-MTR	REV R01
-------------------	-------------------	--	-------------------

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

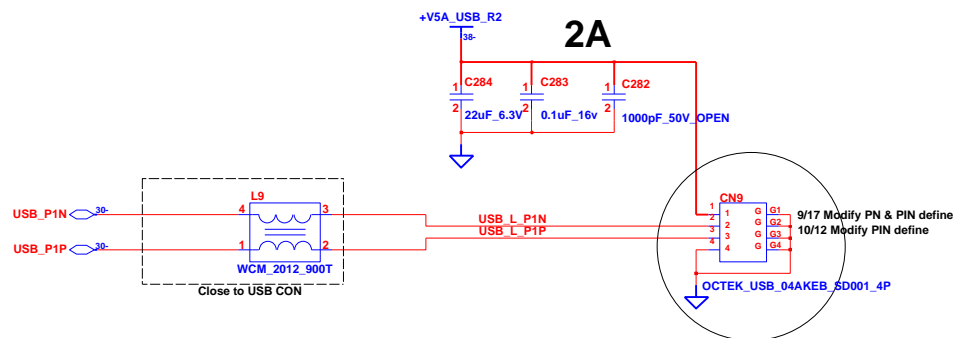
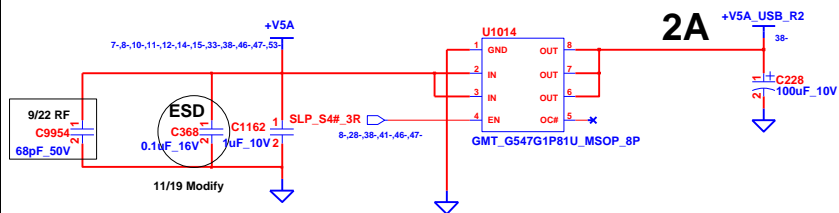
SHEET 37 OF 60

USB2.0 CONN(Right side)

USB Power port Conn



USB 2.0 Conn

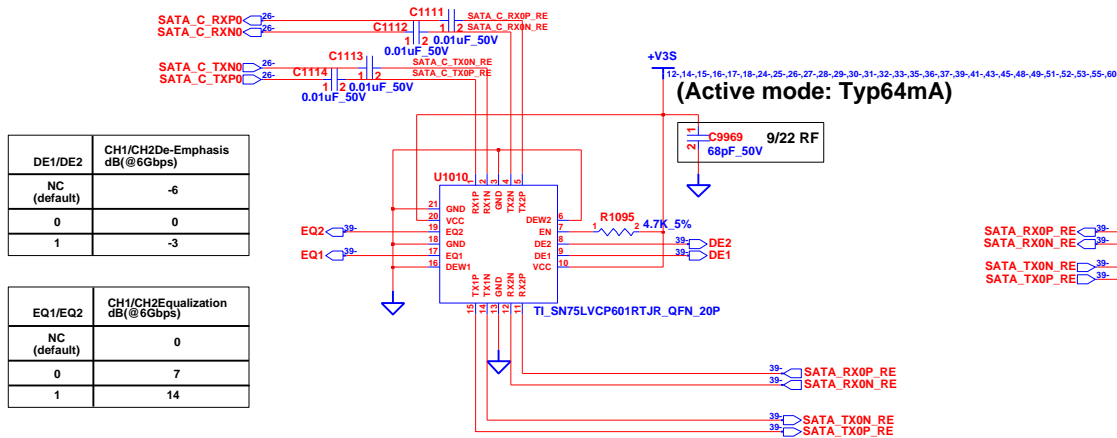


INVENTEC

TITLE			
JOURNEY			
USB & ESATA COMBO			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2406601-0-MT	R01
SHEET		38	OF 60

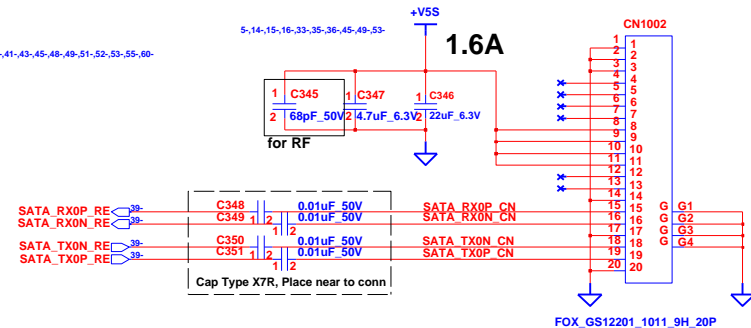
CHANGE by LIN.YT 29-Sep-2010

SATA HDD CONN & G-SENSOR

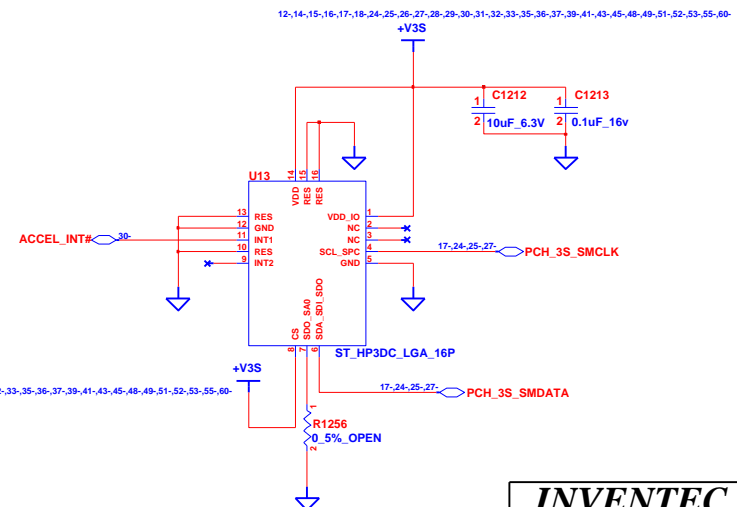
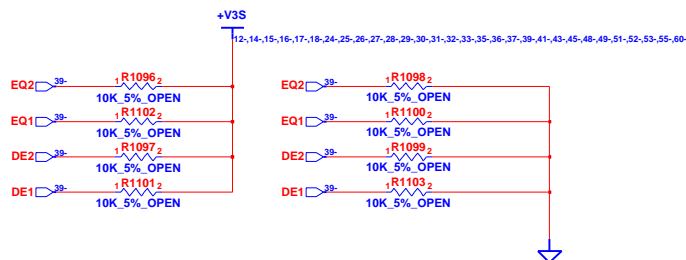


DE1/DE2	CH1/CH2De-Emphasis dB(@6Gbps)
NC (default)	-6
0	0
1	-3

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



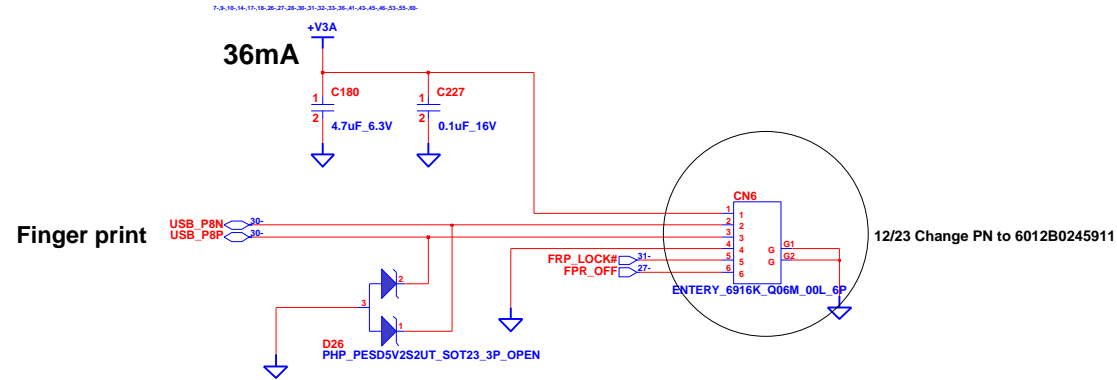
ACCELEMETOR



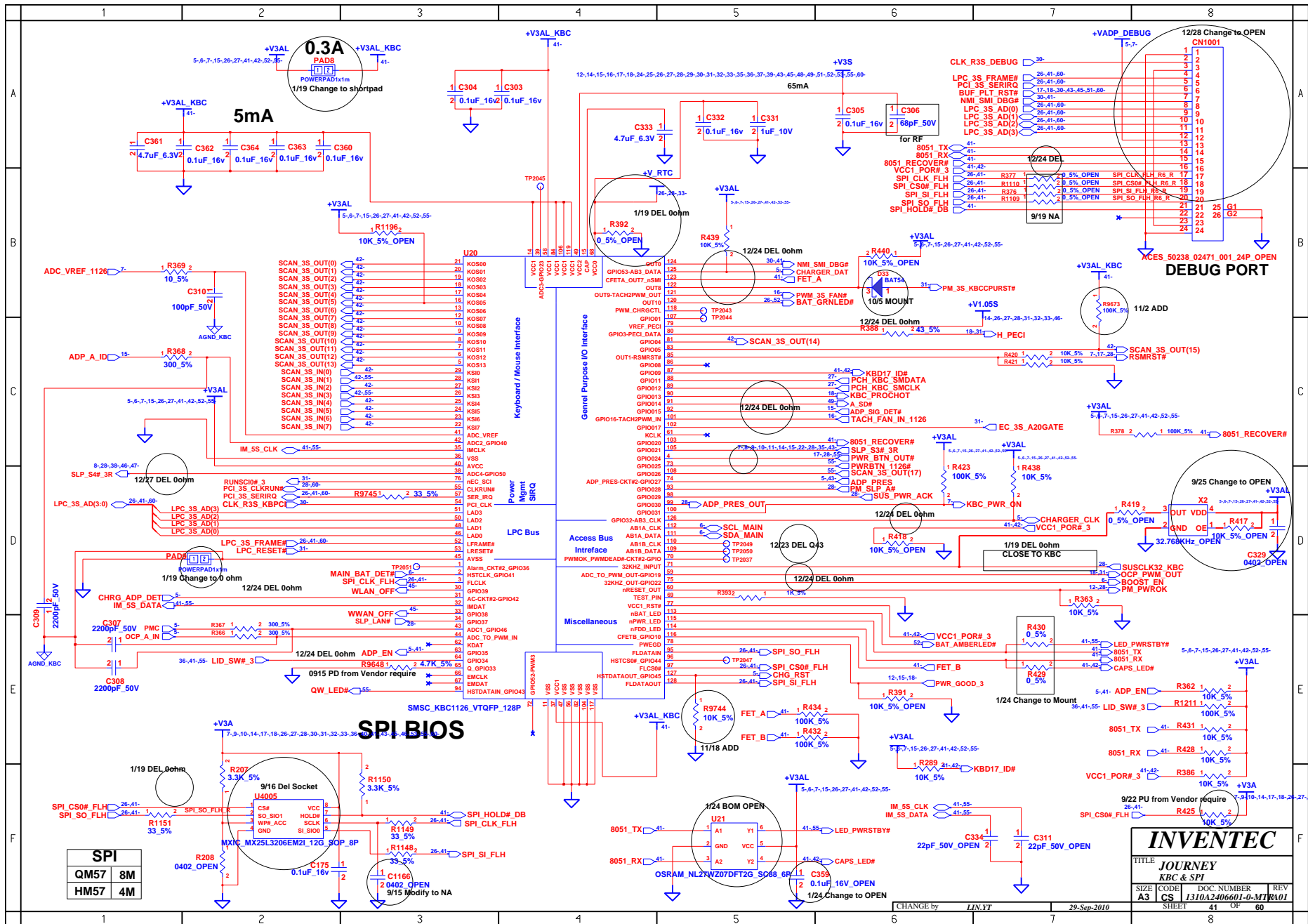
INVENTEC			
TITLE: JOURNEY			
SATA HDD & ODD			
SIZE: A3	CODE: CS	DOC NUMBER: 1310A2406601-0-MT	REV: R01
SHEET: 39		OF: 60	

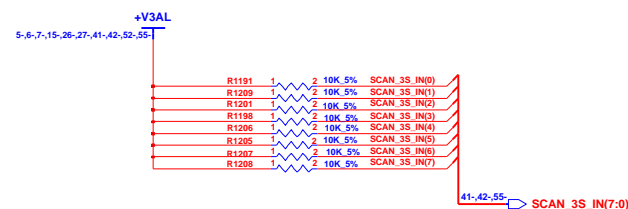
CHANGE by: LIN.YT 29-Sep-2010

MB to FP BOARD



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



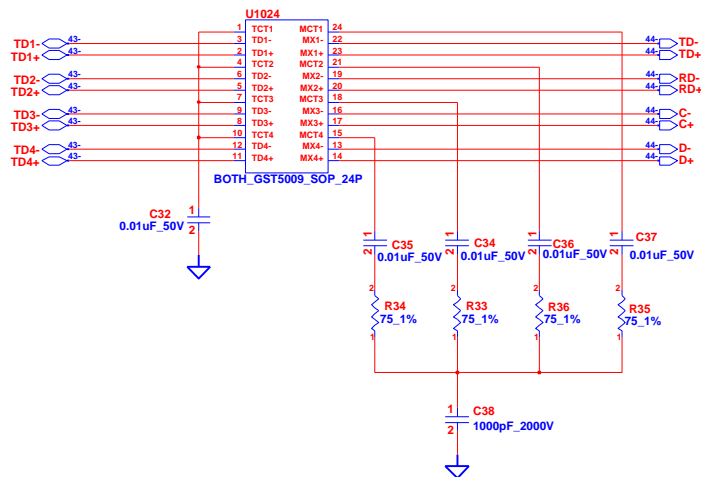


CHANGE by	LIN.YT	29-Sep-2010
-----------	--------	-------------

1



CS	1310A2406601-0-M1		
SHEET	43	OF	60

[illegible]

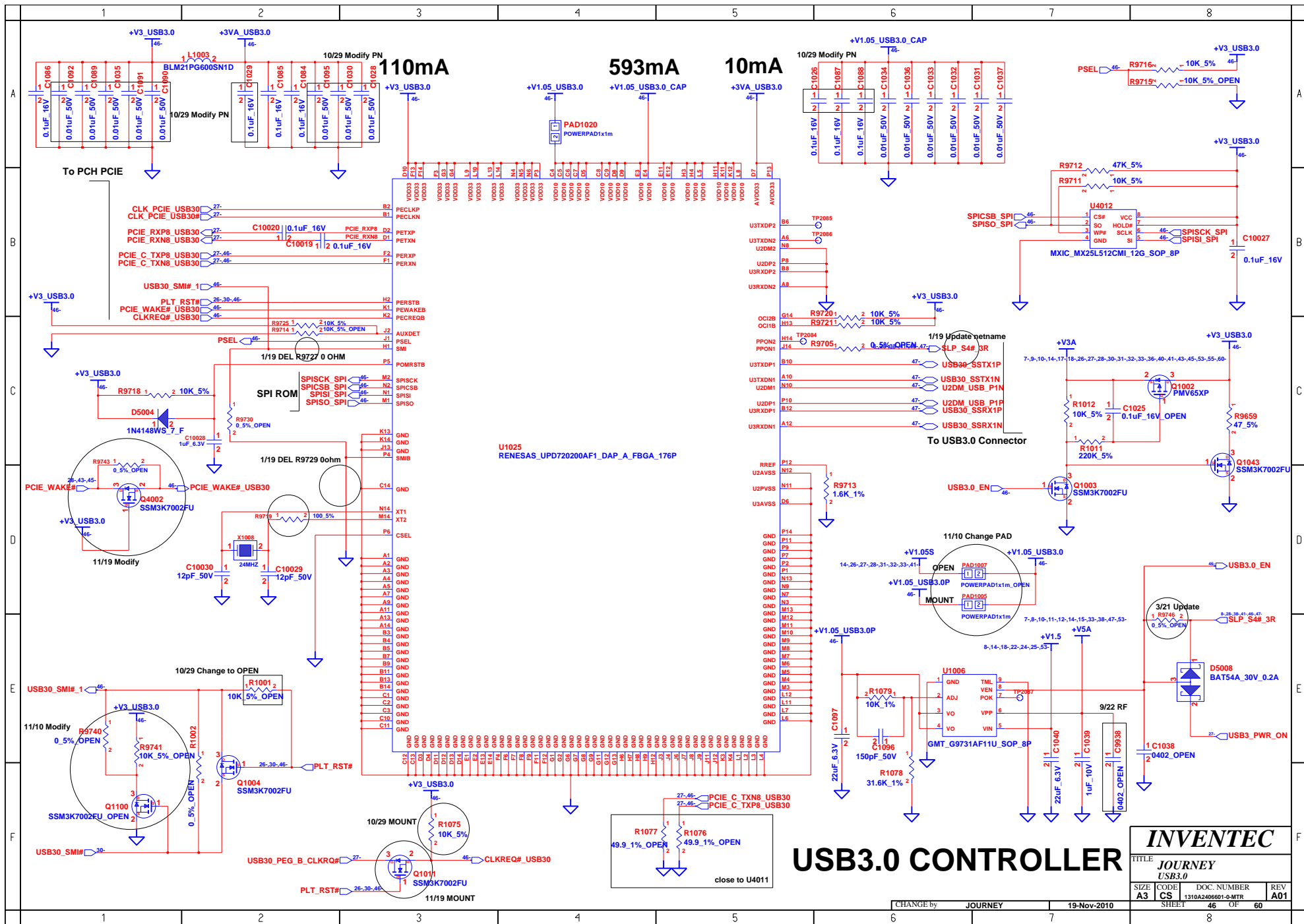
To place one 0.1uF at each pin 1 , 4 , 7 , 10
and place the 1uF in the spot that
is as close as possible to all 4 pins

9/30 Change 6026A0002101 to 6026B0201801

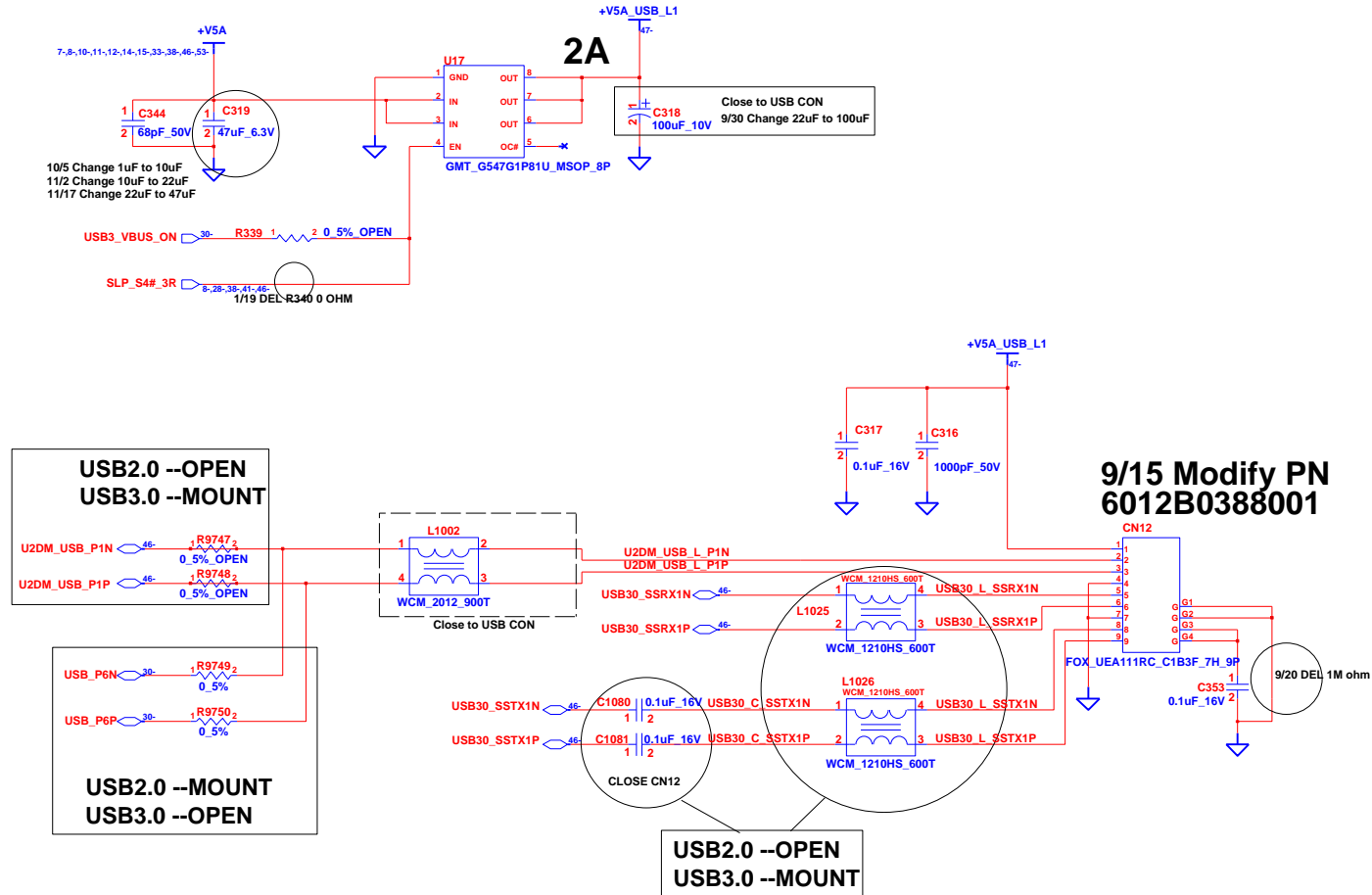
TITLE			
JOURNEY LAN RJ45 CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2406601-0-MTR	A01
SHEET		44	OF 60

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

CS	1310A2406601-0-M1K		
SHEET	44	OF	60



USB3.0 CONN(Left side)

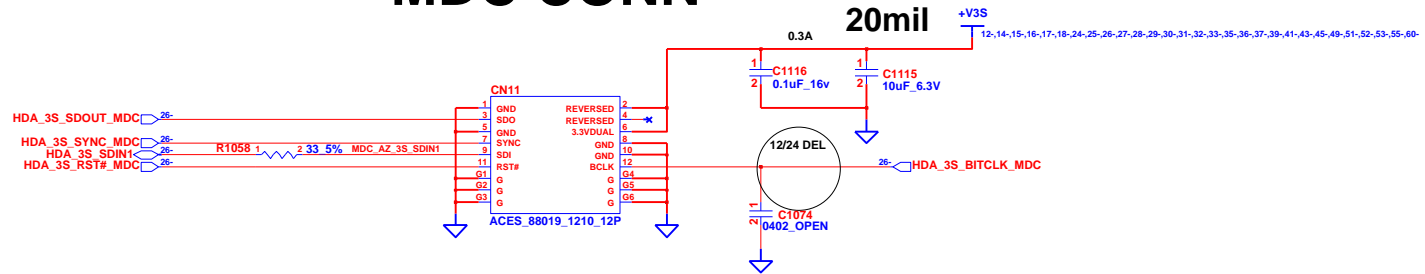


INVENTEC

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

CHANGE by LIN.YT 29-Sep-2010

MDC CONN



INVENTEC			
TITLE			
JOURNEY			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2406601-0-MT	R01
CHANGE by		SHEET	
LIN.YT		48 OF 60	
29-Sep-2010		8	

AUDIO

TITLE			
JOURNEY			
SCREW			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2406601-0-MTR	A01
SHEET		49	OF 60

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

49	51	60
Q		

CARDREADER

MAX:250mA
TYPE:45mA

108mA

>20mil

Close Pin_18 for Regulator

INVENTEC

TITLE: JOURNEY SMART CARD

SIZE: A3 CODE: CS DOC. NUMBER: 1310A2406601-0-MTR REV: 01

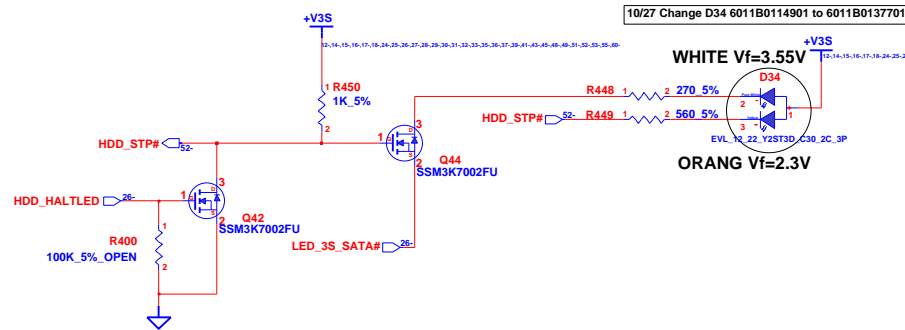
SHEET: 51 OF: 60

CHANGE by: LIN.YT 29-Sep-2010

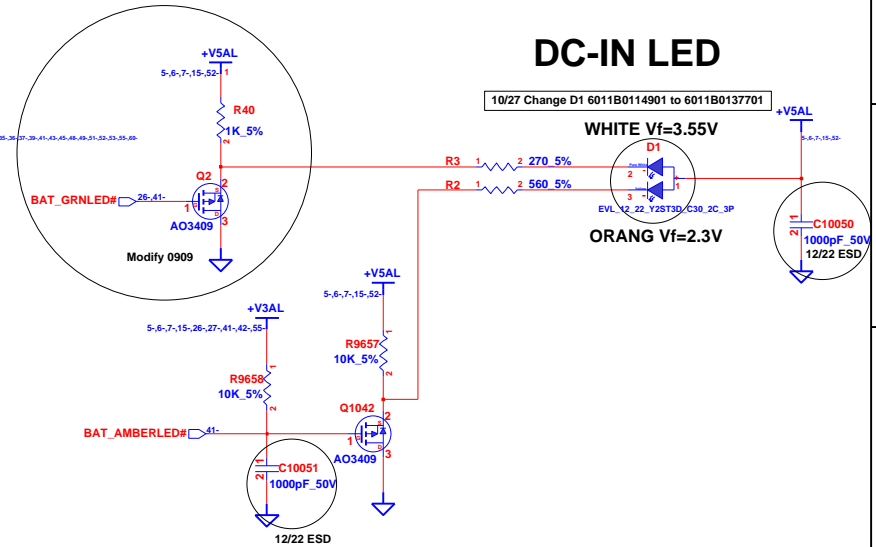
TITLE			
JOURNEY SMART CARD			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2406601-0-MTR	A01
SHEET		51 OF	60

LED

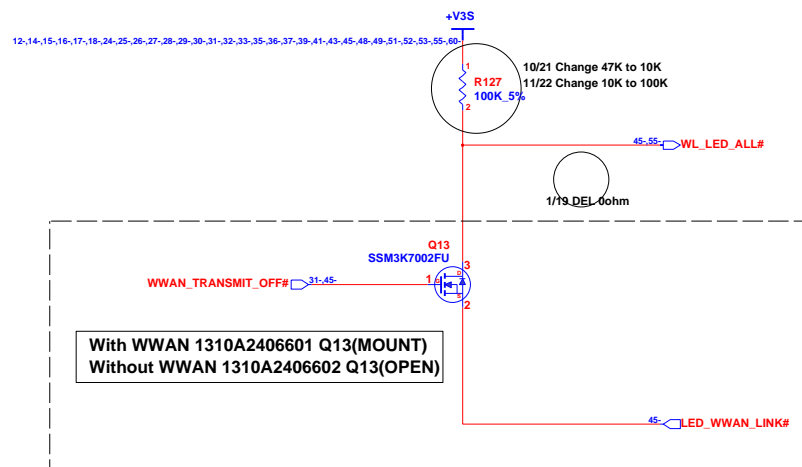
SATA LED & HDD-HALTED LED



DC-IN LED



WLAN_WWAN_Bluetooth_LED



INVENTEC

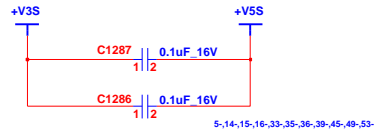
TITLE
JOURNEY

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

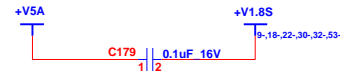
CHANGE by LIN.YT 29-Sep-2010

STITCHING CAPS

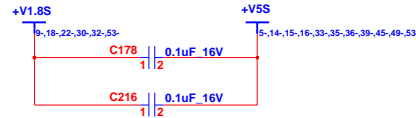
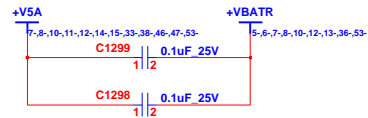
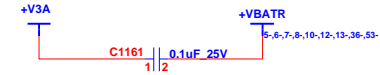
12,14,15,16,17,18,24,25,26,27,28,29,30,31,32,33,35,36,37,39,41,43,45,48,49,51,52,53,55,60



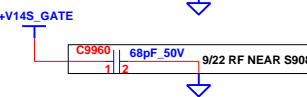
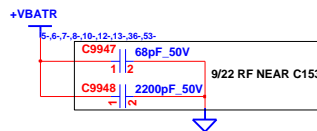
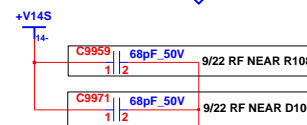
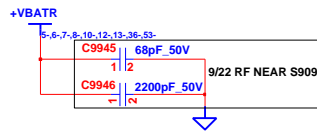
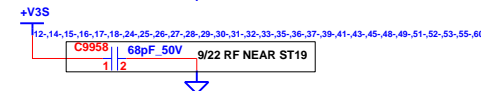
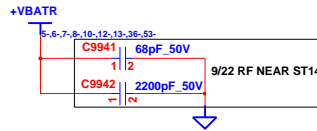
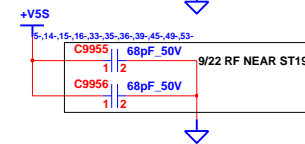
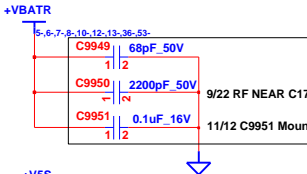
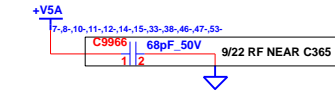
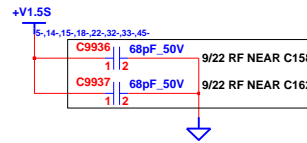
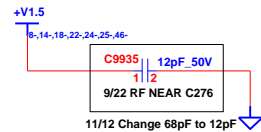
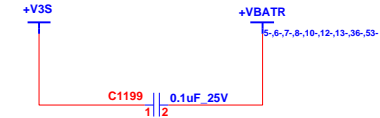
7,8,10,11,12,14,15,33,38,46,47,53



7,9,10,14,17,18,26,27,28,30,31,32,33,36,40,41,43,45,46,55,60

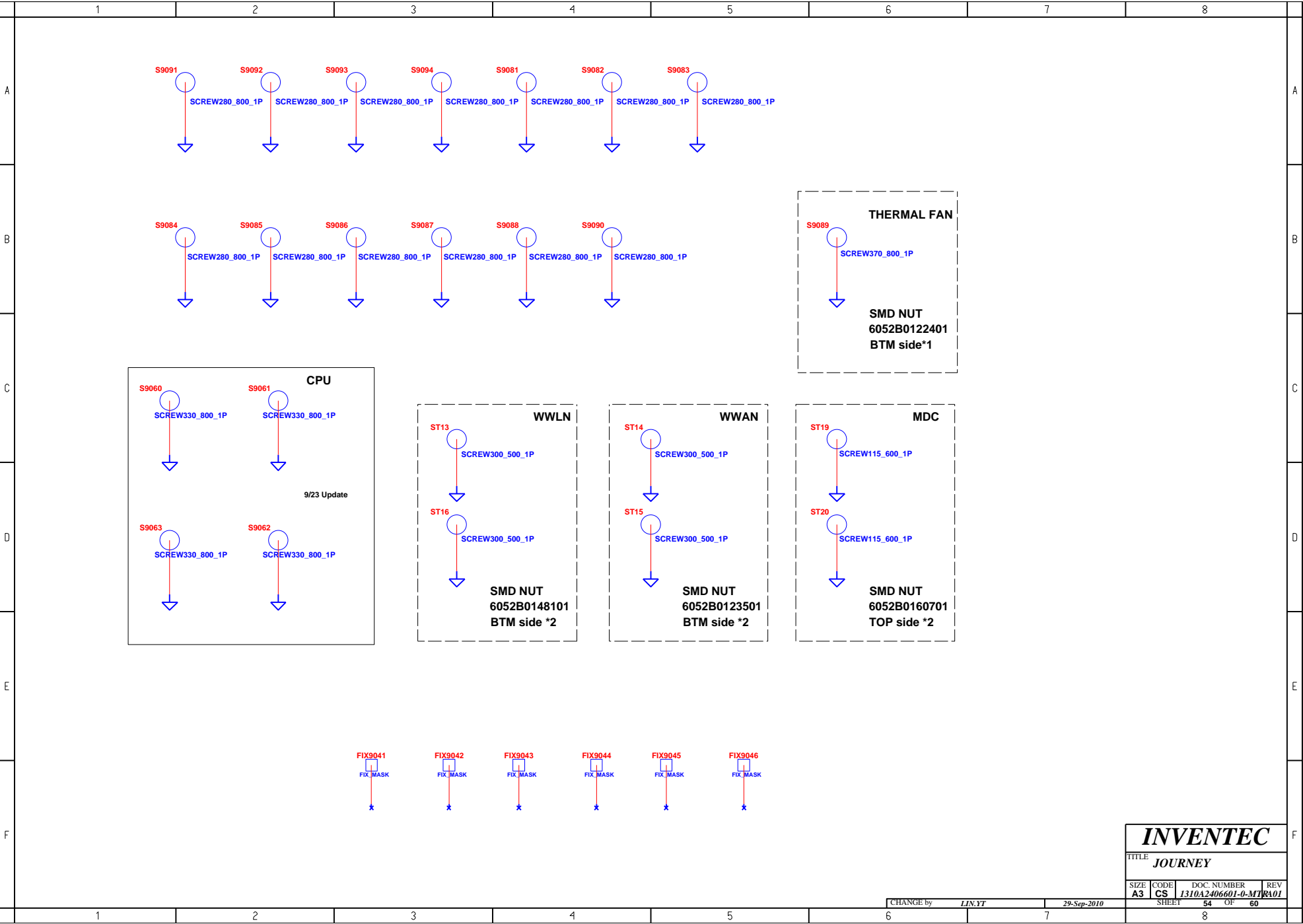


12,14,15,16,17,18,24,25,26,27,28,29,30,31,32,33,35,36,37,39,41,43,45,48,49,51,52,53,55,60



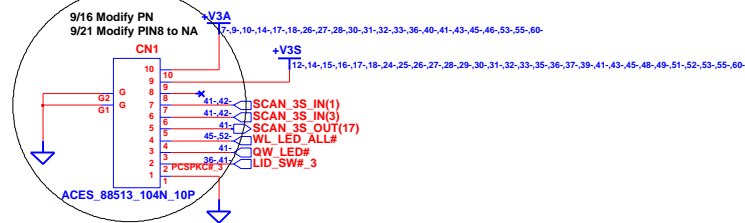
INVENTEC				
TITLE JOURNEY				
SIZE A3	CODE CS	DOC. NUMBER 1310A2406601-0-MT		REV R01
SHEET 53		OF 60		

CHANGE by LIN.YT 29-Sep-2010

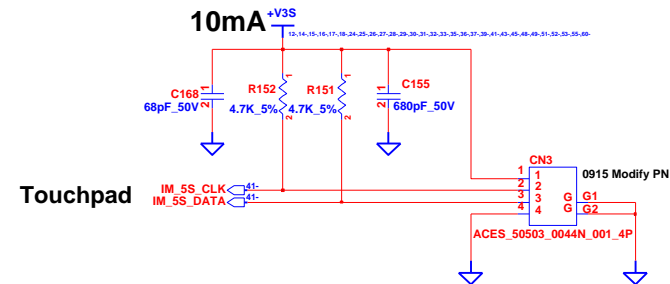


Wire to board Conn on MB

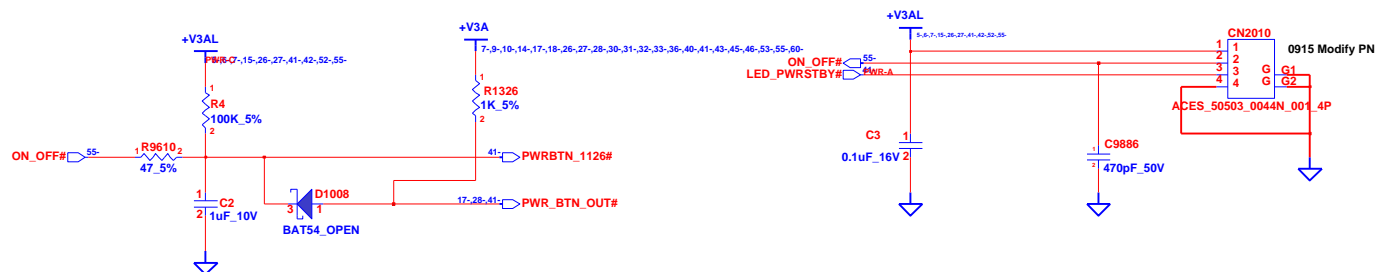
MB to Launch BOARD



MB to PICK Button BOARD



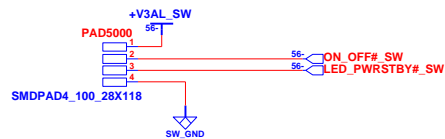
MB to POWER BOARD

***INVENTEC***

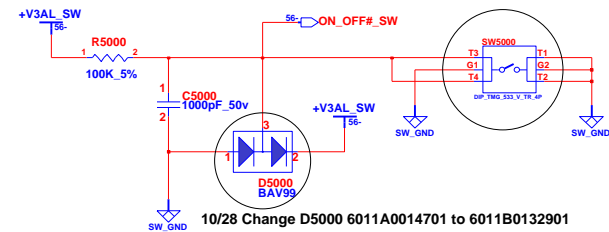
TITLE			
JOURNEY CARD READER			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2406601-0-MTR	A01
SHEET		55	OF 60

DB Power Board

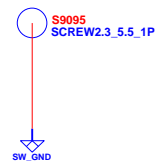
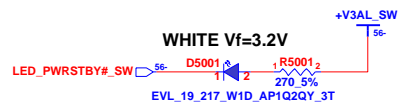
PWR SW W/B CONN



Power Button



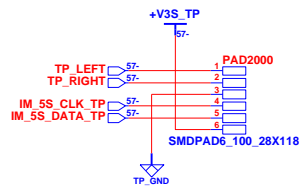
Power / Standby LED



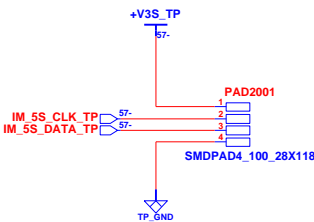
INVENTEC			
TITLE JOURNEY			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2406601-0-MT	R01
CHANGE by		29-Sep-2010	
SHEET		56 OF 60	

DB PICK Button Board

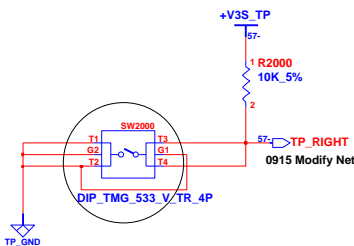
To Touchpad Module



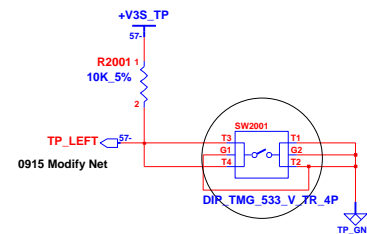
To MB KBC



RIGHT BUTTON



LEFT BUTTON



FIX9021
FIX_MASK

FIX9022
FIX_MASK

INVENTEC

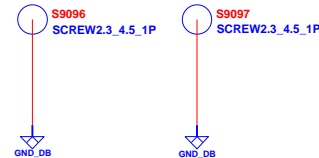
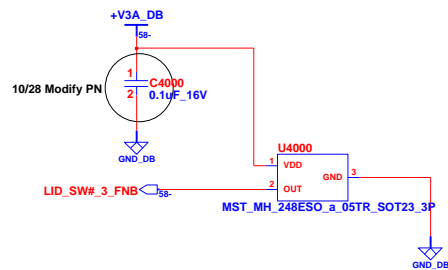
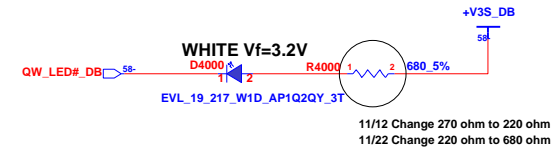
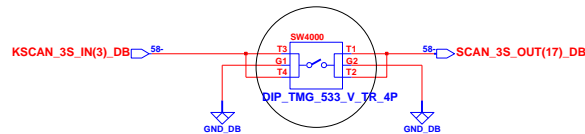
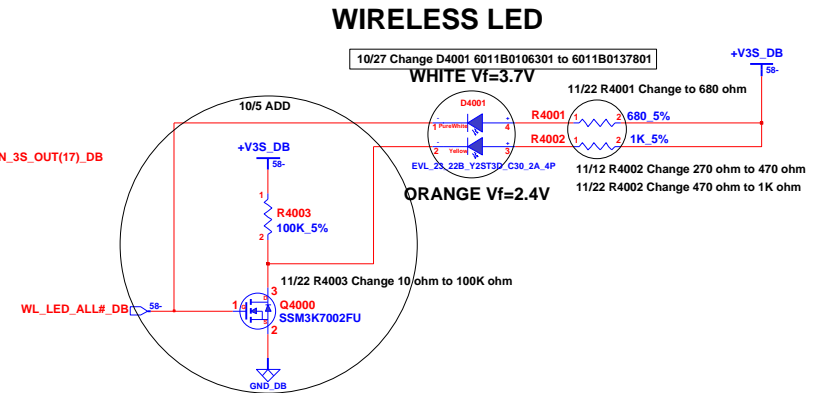
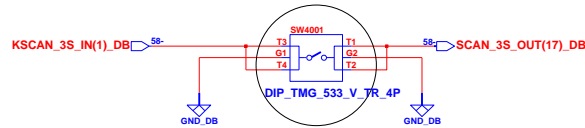
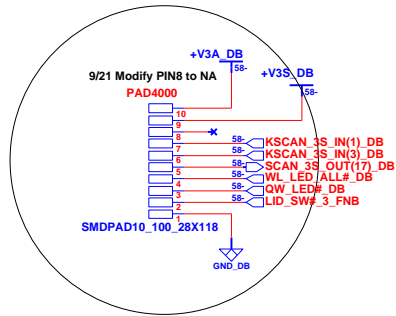
TITLE **JOURNEY**

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

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

SHEET 57 OF 60

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



INVENTEC

TITLE **JOURNEY**

SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2406601-0-MT	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	CODE	DOC. NUMBER	REV
A3	CS	1310A2406601-0-MT	R01
SHEET		59	OF 60

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

