

	1	2	3	4	5	6	7	8																																																																																							
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DATE	CHANGE NO.	REV																																																																																													
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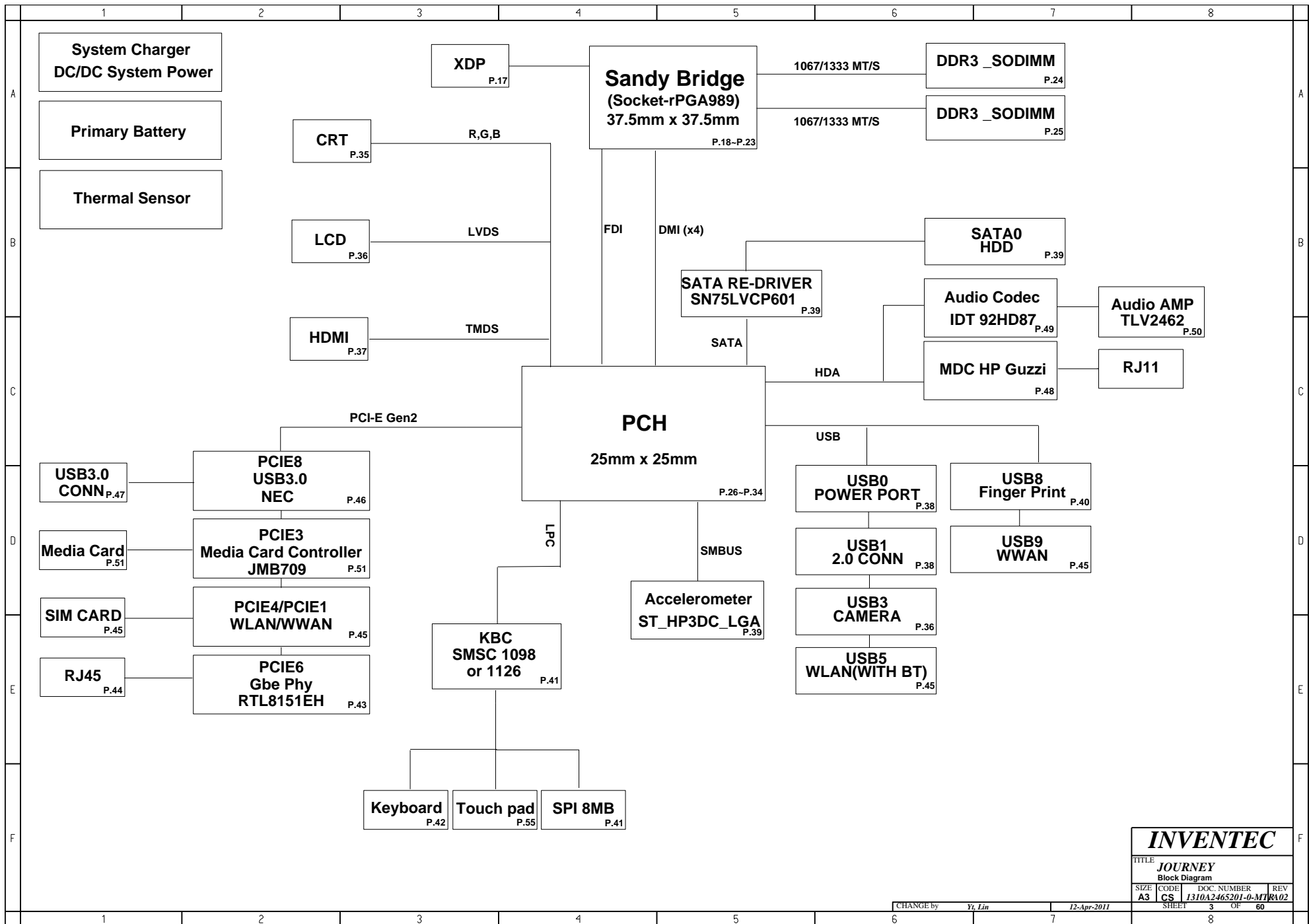
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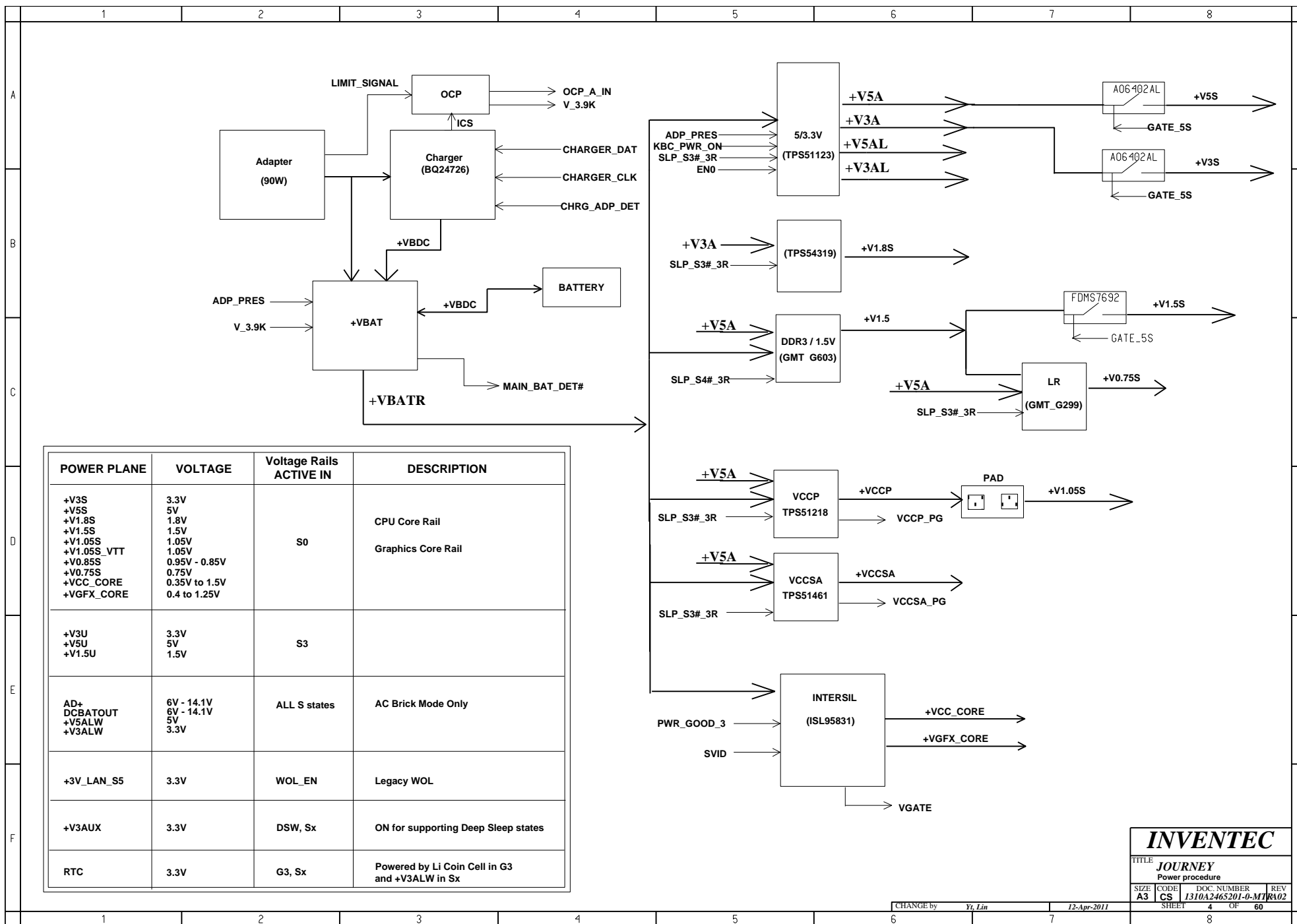
5- DC& BATTERY CHARGER	26- PCH1	55- DB CONN TP&Launch&Power
6- SELECT & BATTERY CONN	27- PCH2	56- DB-POWER BOARD
7- SYSTEM POWER(3V/5V)	28- PCH3	57- DB PICK BOARD
8- SYSTEM POWER(+V1.5/+V0.75S)	29- PCH4	58- DB LAUNCH BOARD
9- POWER(+V1.8S)	30- PCH5	59- BLANK
10- SYSTEM POWER(+VCCP)	31- PCH6	60- TPM
11- 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	

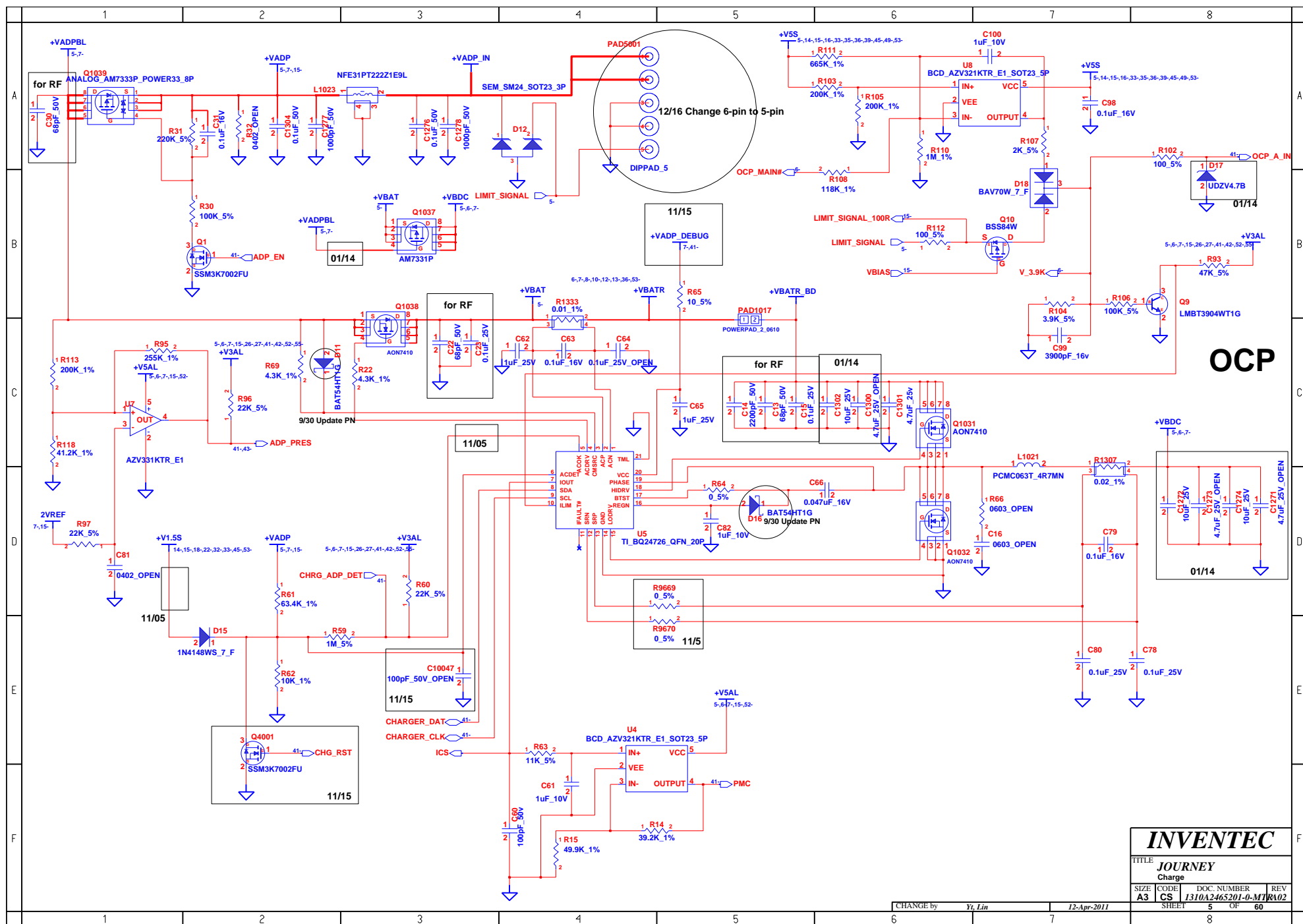
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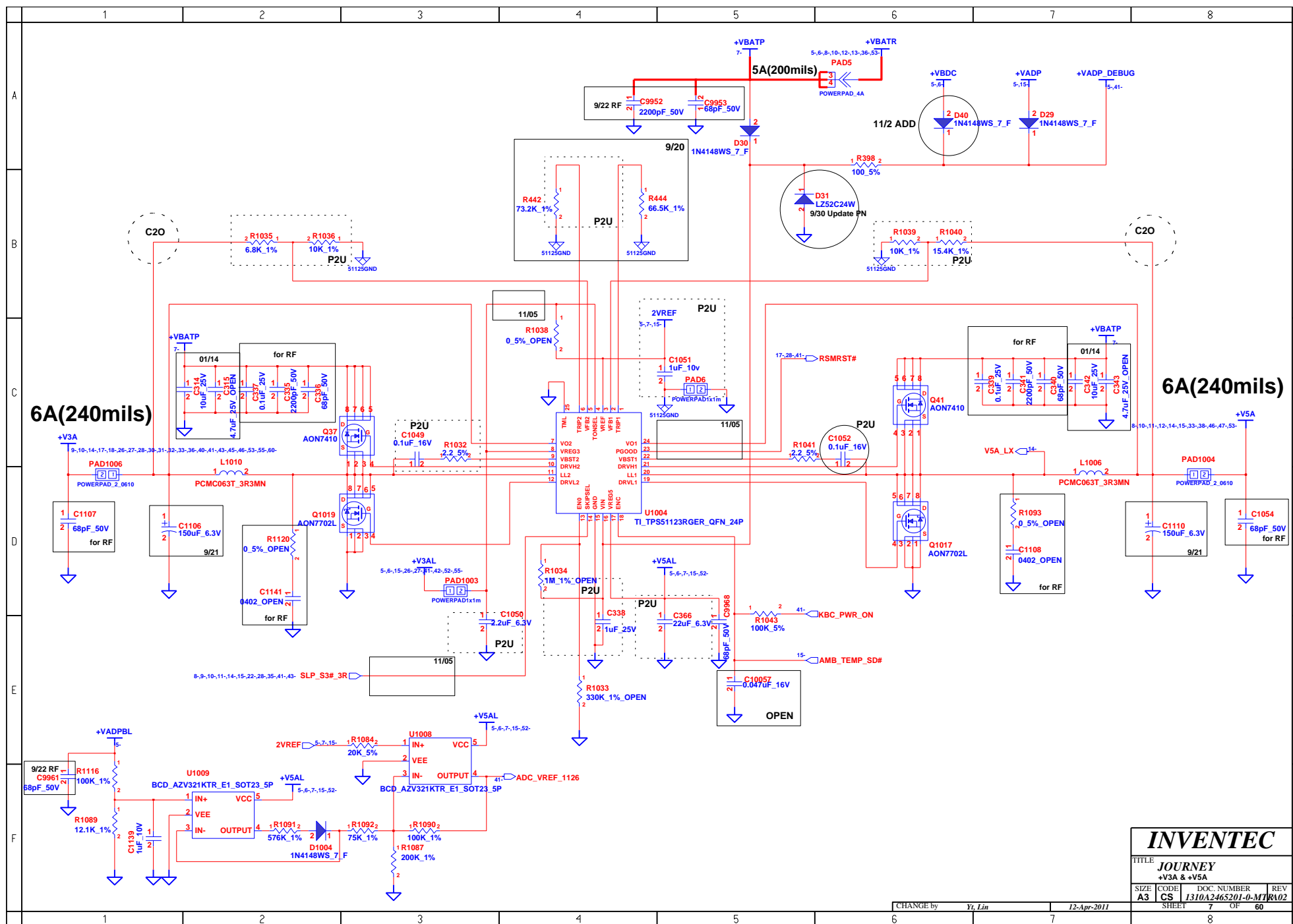
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SIZE A3	CODE CS	DOC. NUMBER 1310A2465201-0-MT	REV R02
SHEET 2		OF 60	

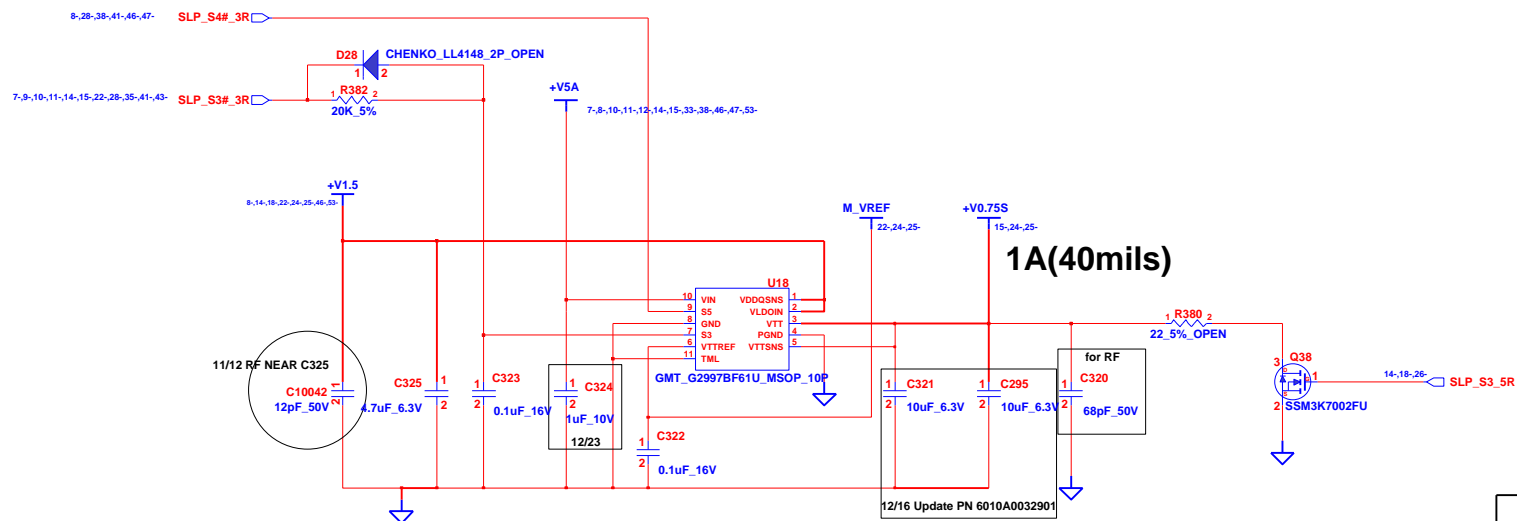
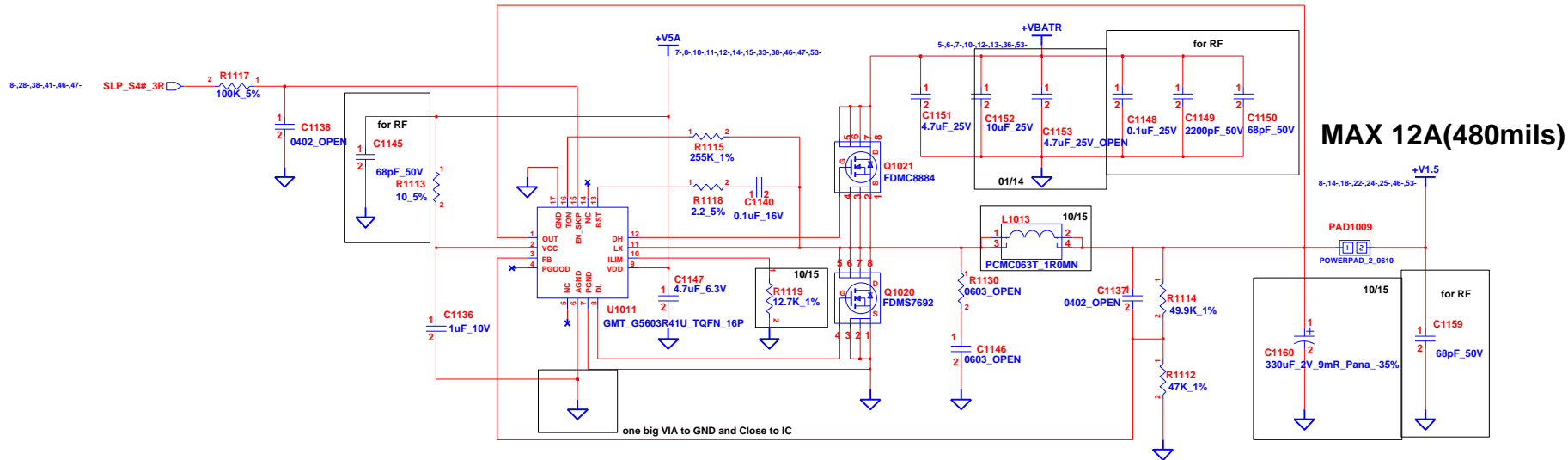
CHANGE by **Yt, Lin** 12-Apr-2011







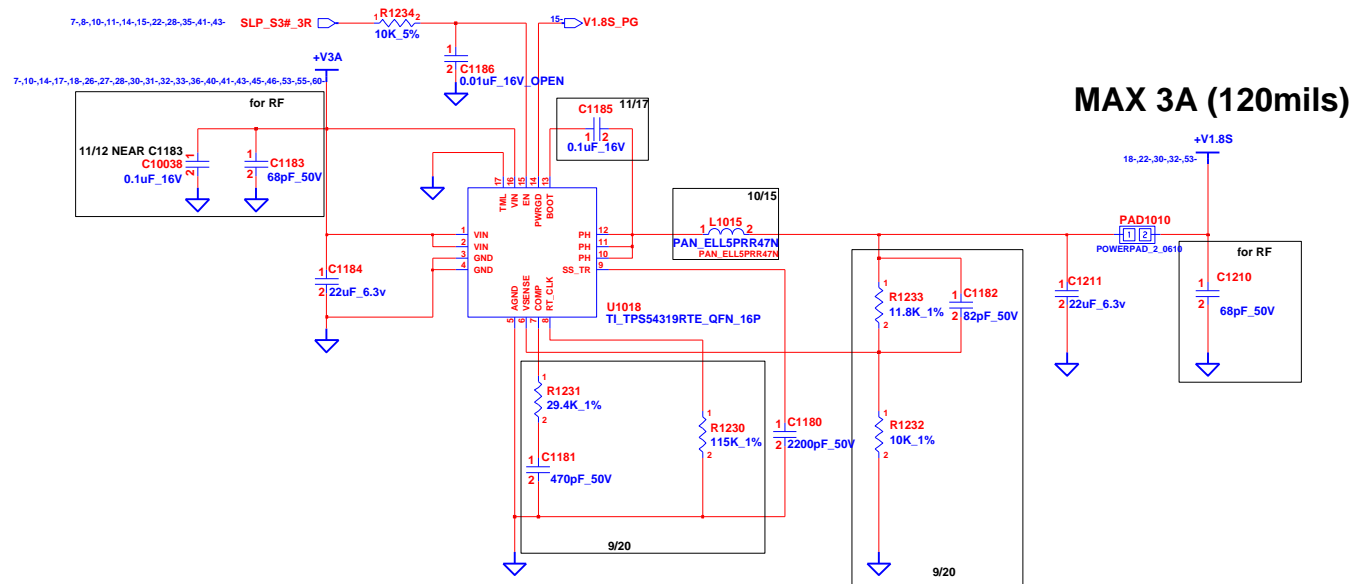




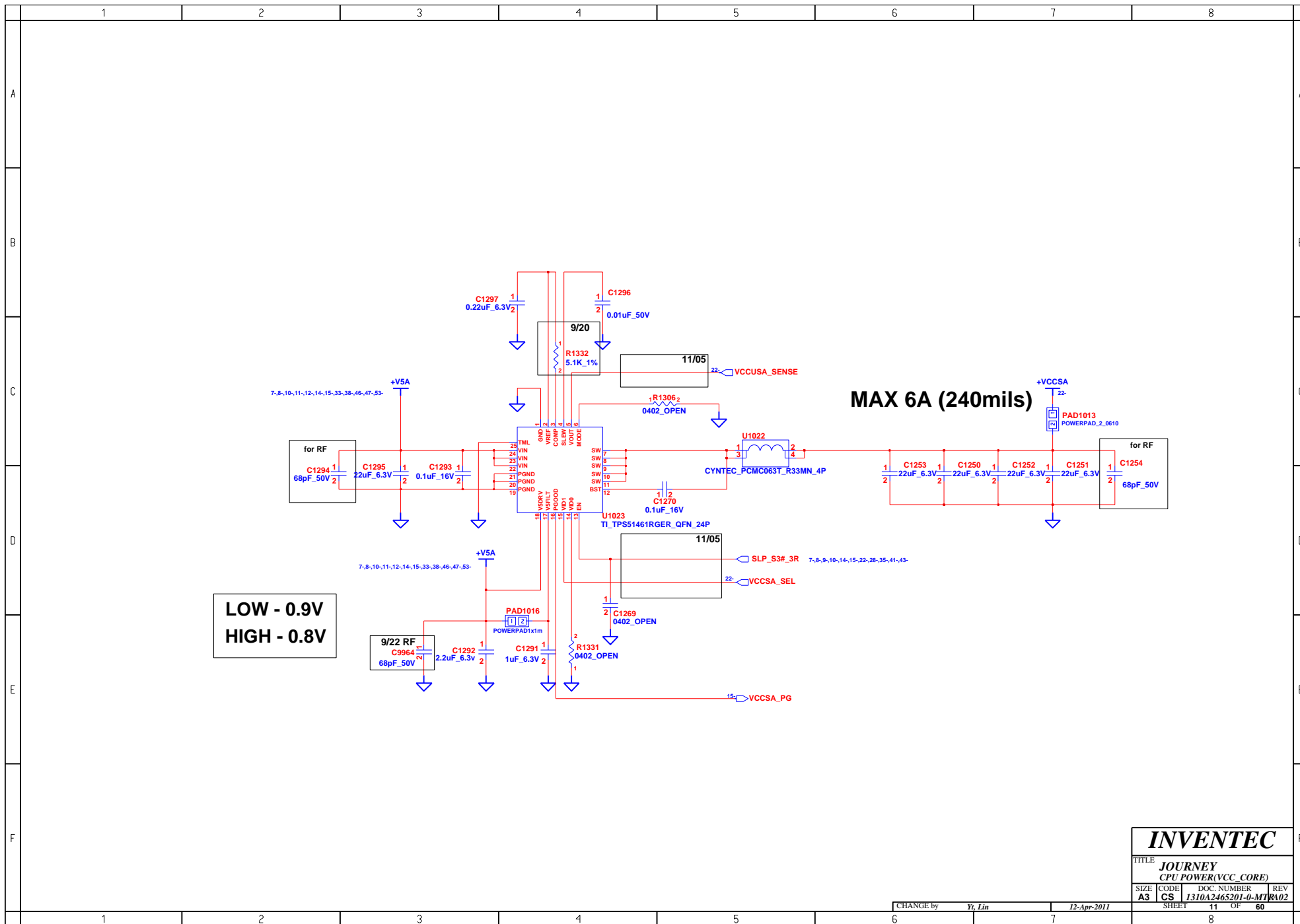
NOTE: DDR3 REGULATOR

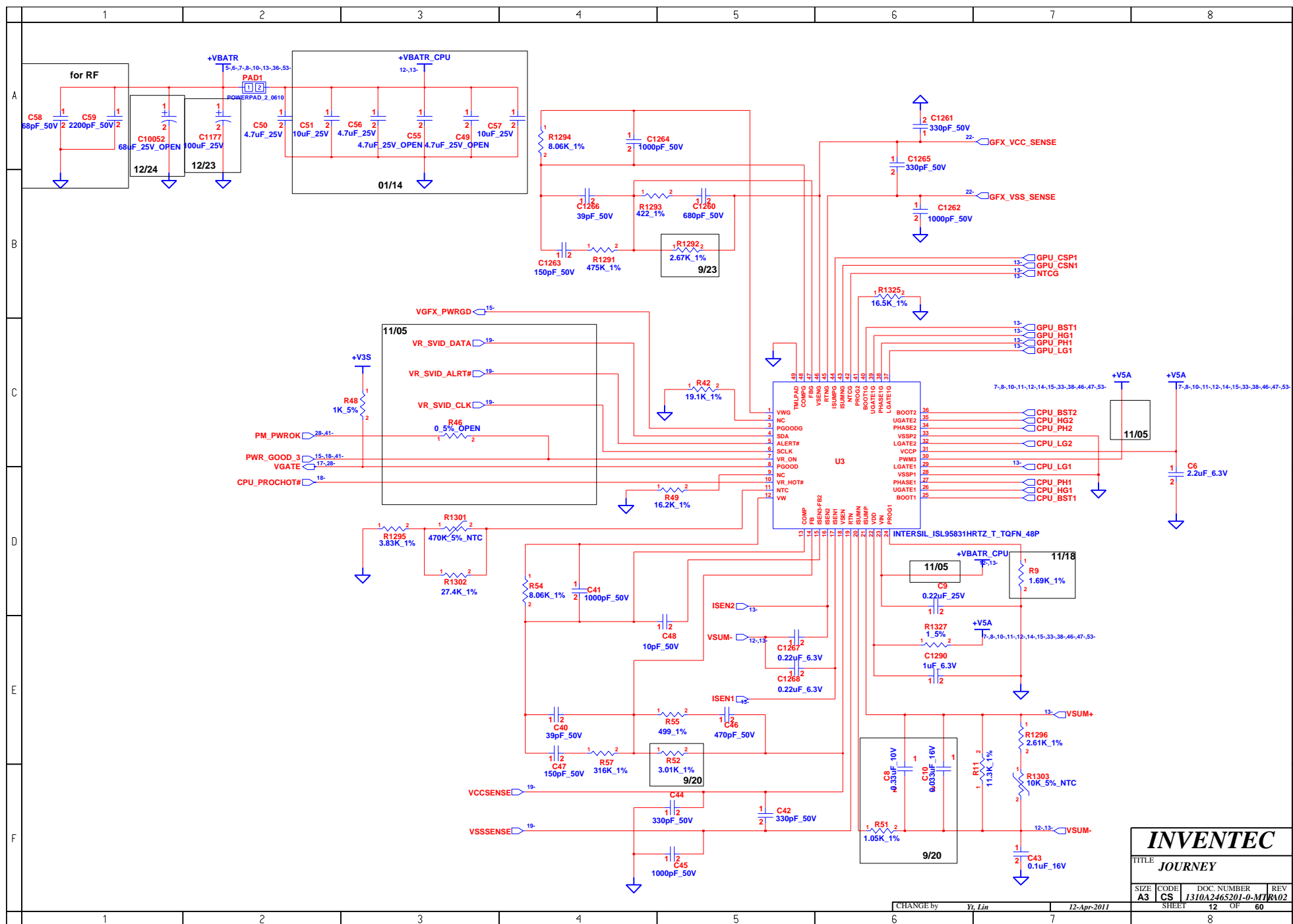
INVENTEC			
TITLE: JOURNEY			
SYSTEM POWER(+V1.05M/+V1.5)			
SIZE: A3	CODE: CS	DOC. NUMBER: 1310A2465201-0-MT	REV: R02
SHEET: 8		OF: 60	

CHANGE by: Yt Lin 12-Apr-2011



INVENTEC			
TITLE JOURNEY			
GPU POWER(VDD_CORE+V1.8S)			
SIZE A3	CODE CS	DOC. NUMBER 1310A2465201-0-MT	REV R02
CHANGE by Yt Lin		12-Apr-2011	
SHEET 9		OF 60	





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

53A(2120mils)

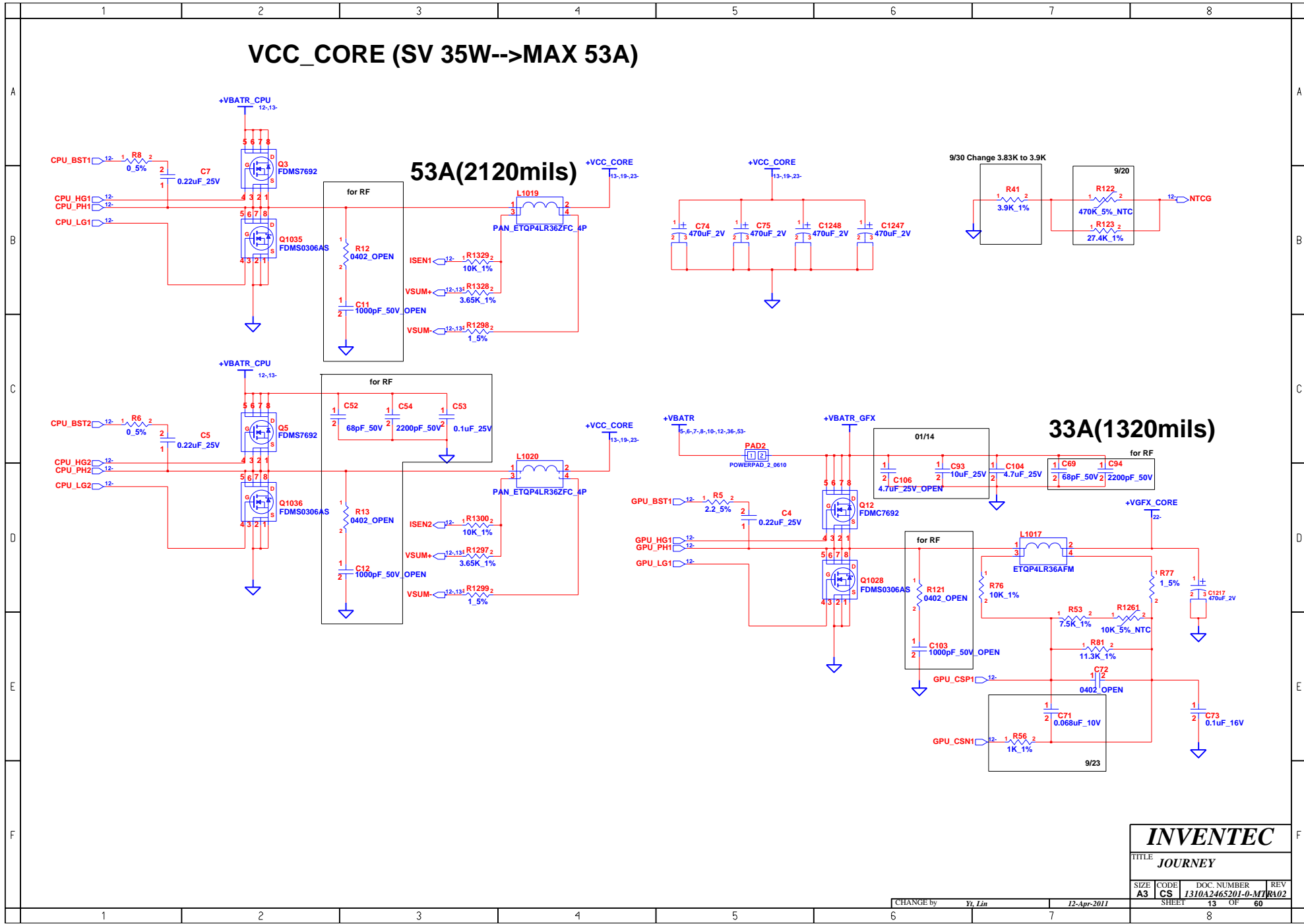
33A(1320mils)

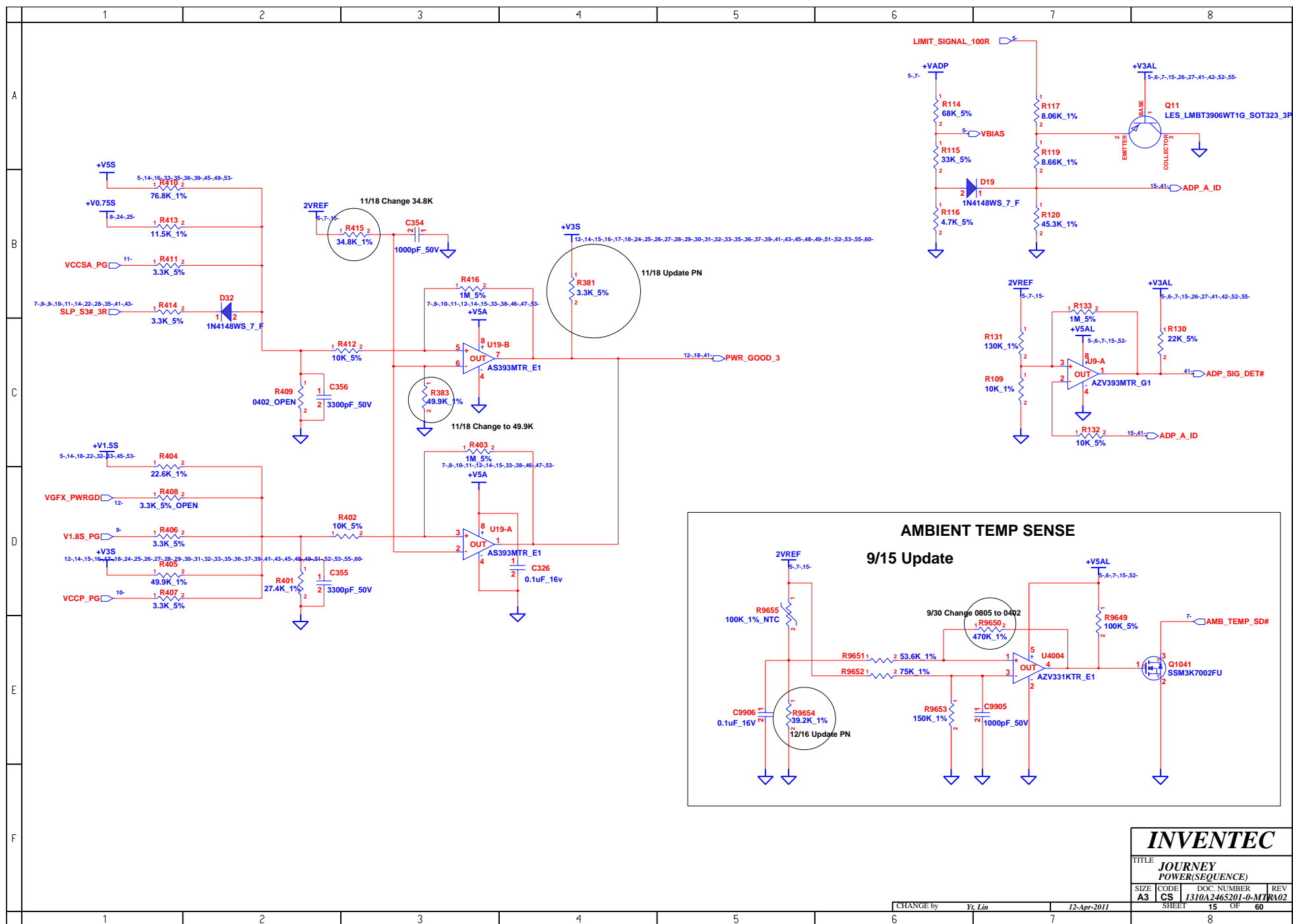
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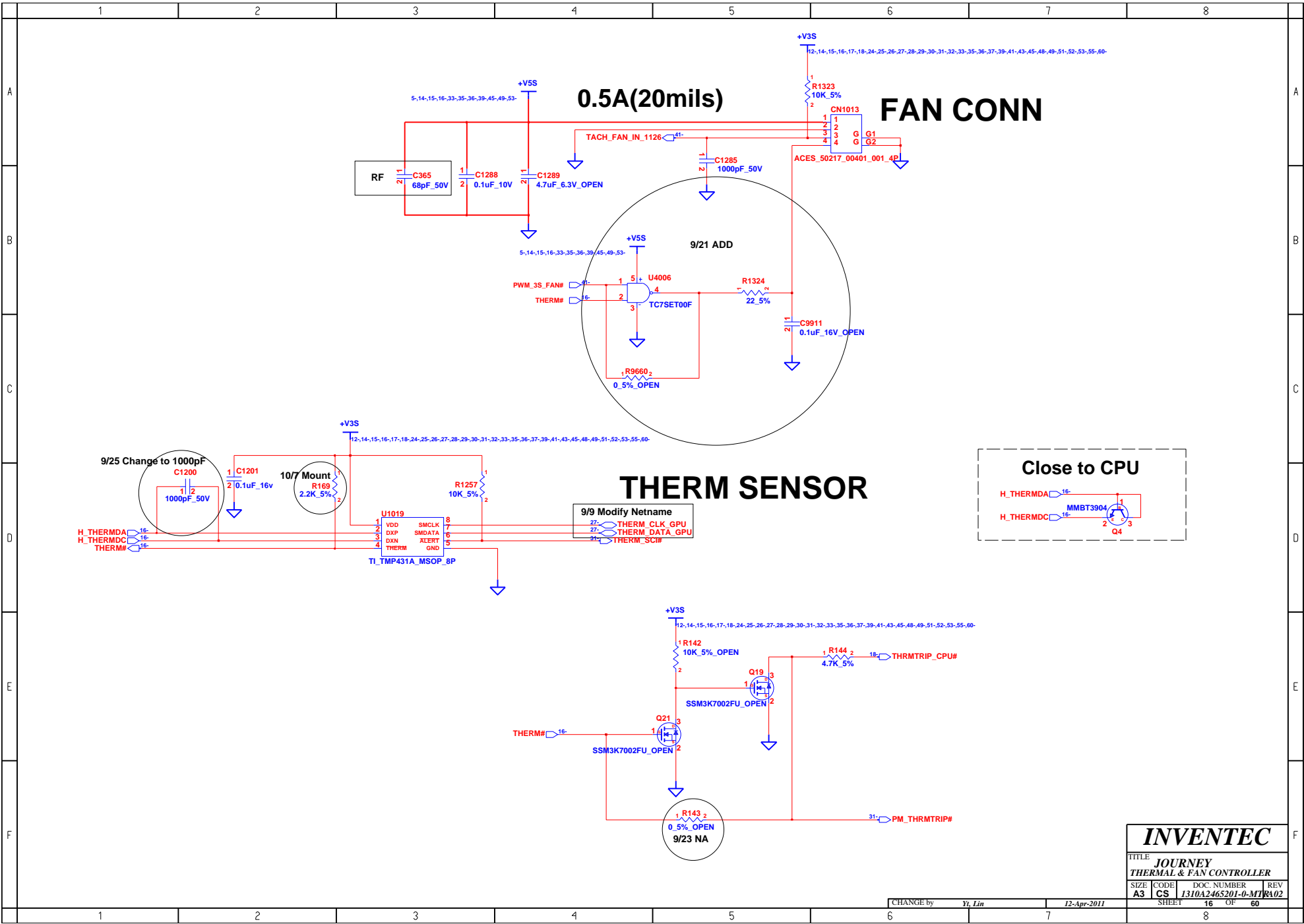
TITLE **JOURNEY**

SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2465201-0-MT	R02
SHEET		13	OF 60

CHANGE by *Yi Lin* 12-Apr-2011







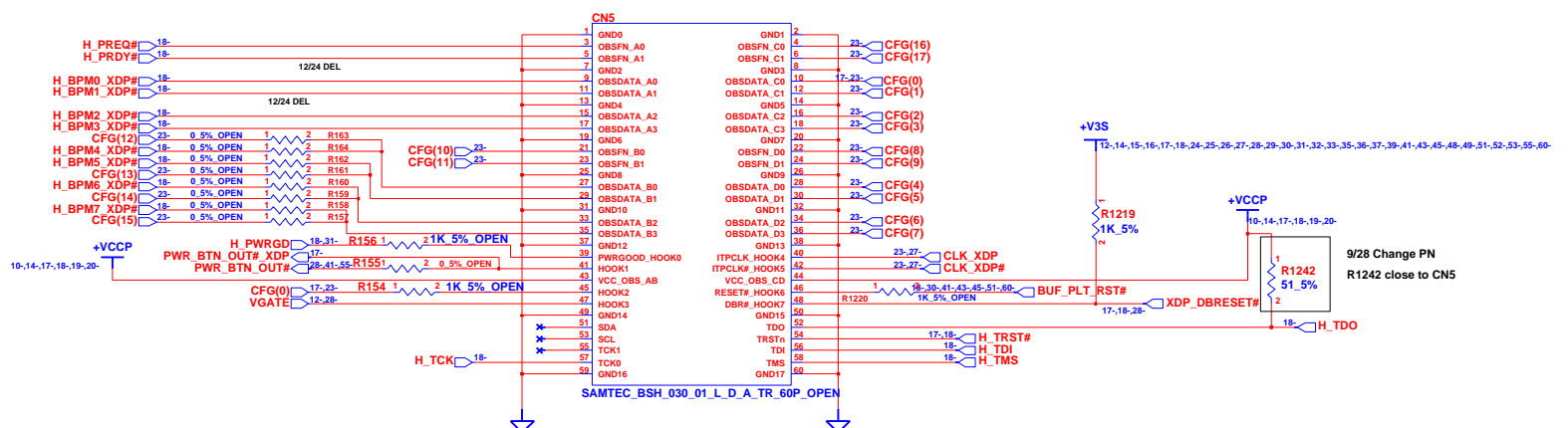
INVENTEC

TITLE **JOURNEY**
THERMAL & FAN CONTROLLER

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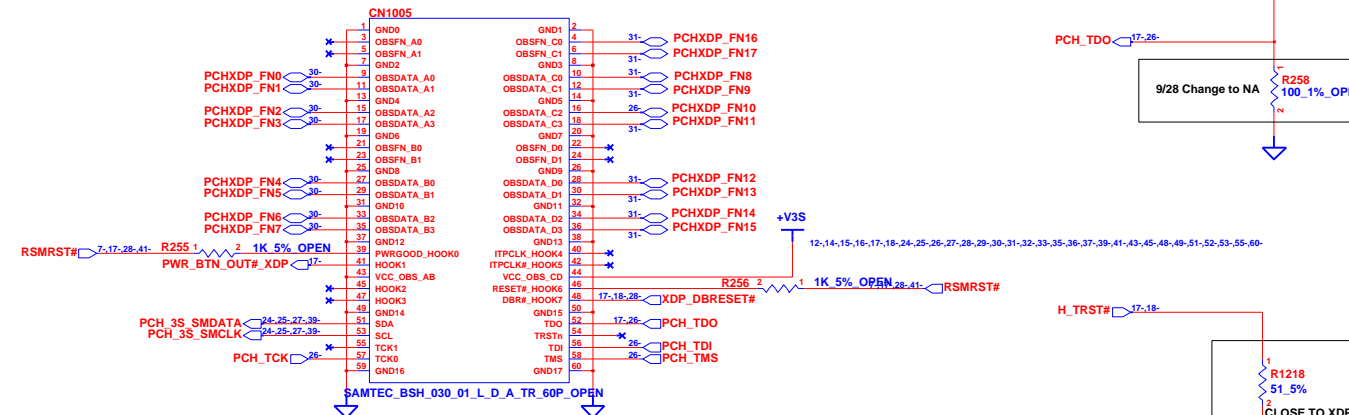
CHANGE by Yt Lin 12-Apr-2011

SHEET 16 OF 60



CPU XDP CONNECTOR

6012A0109001_OPEN

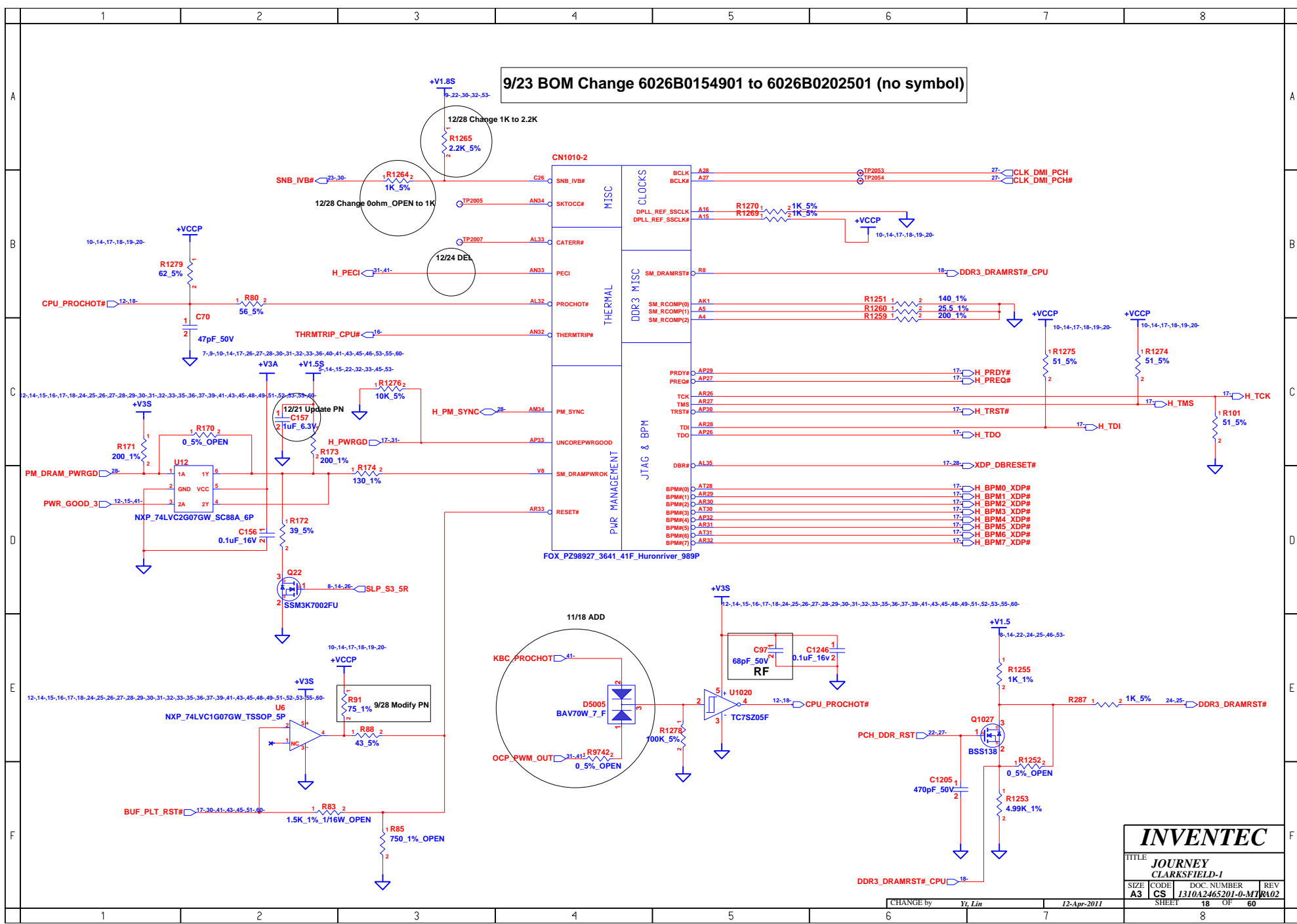


PCH XDP CONNECTOR

INVENTEC				
TITLE JOURNEY				
SIZE A3	CODE CS	DOC. NUMBER 1310A2465201-0-MT	REV R02	
SHEET 17		OF 60		

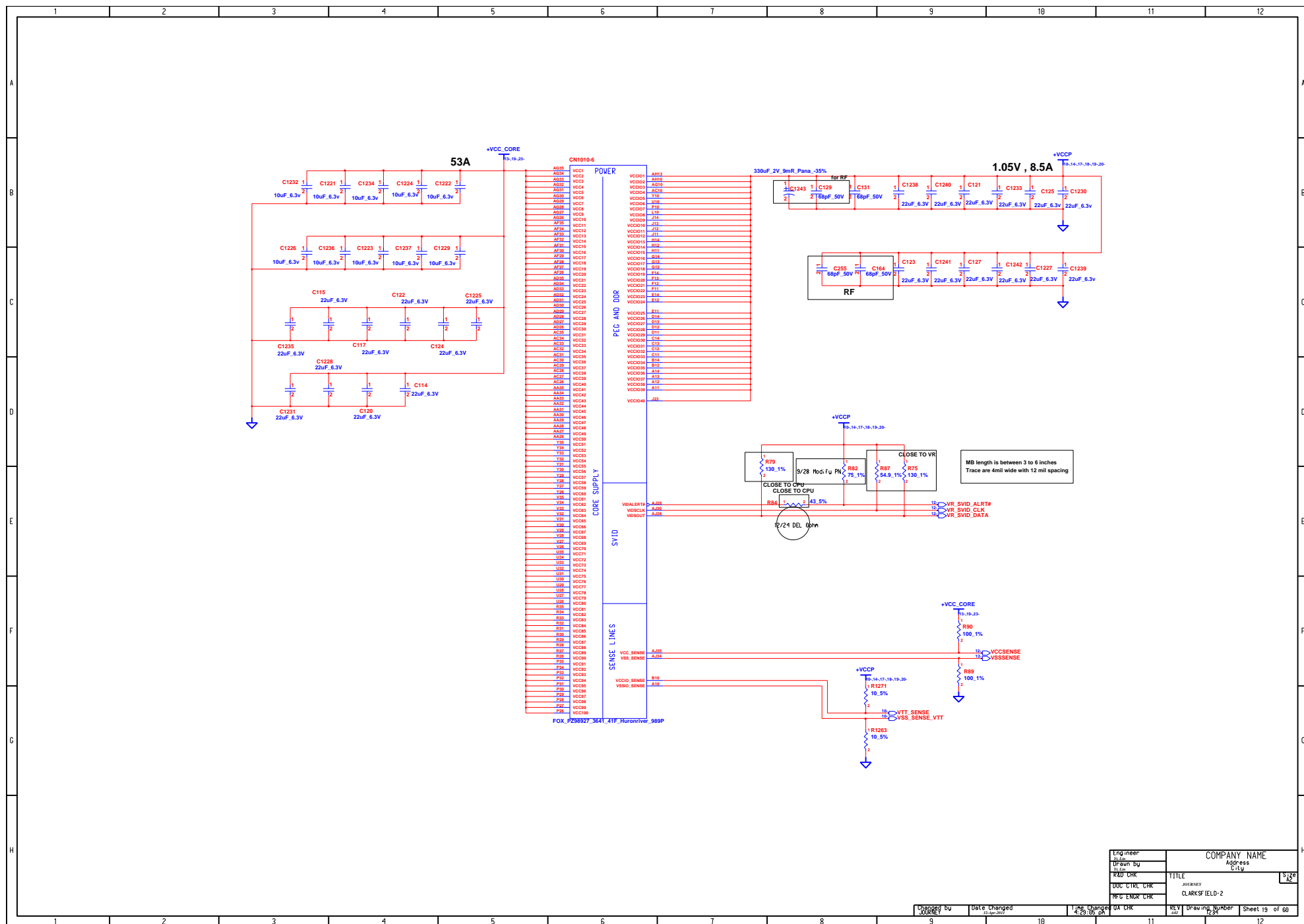
CHANGE by Yt Lin 12-Apr-2011

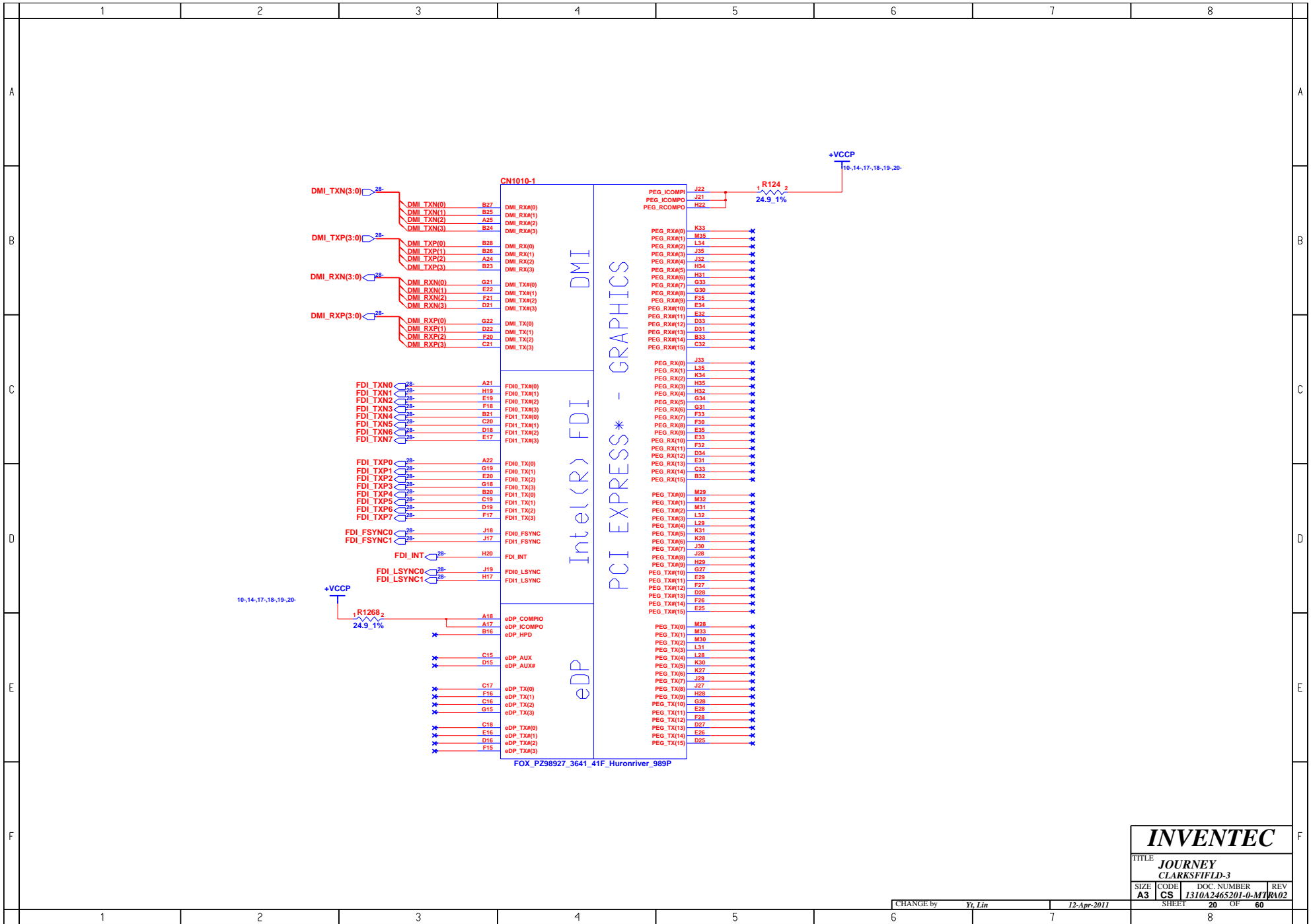
9/23 BOM Change 6026B0154901 to 6026B0202501 (no symbol)



INVENTEC			
TITLE JOURNEY CLARKSFIELD-1			
SIZE A3	CODE CS	DOC NUMBER 1310A2465201-0-MT	REV R102
SHEET 18		OF 60	

CHANGE by Yt Lin 12-Apr-2011





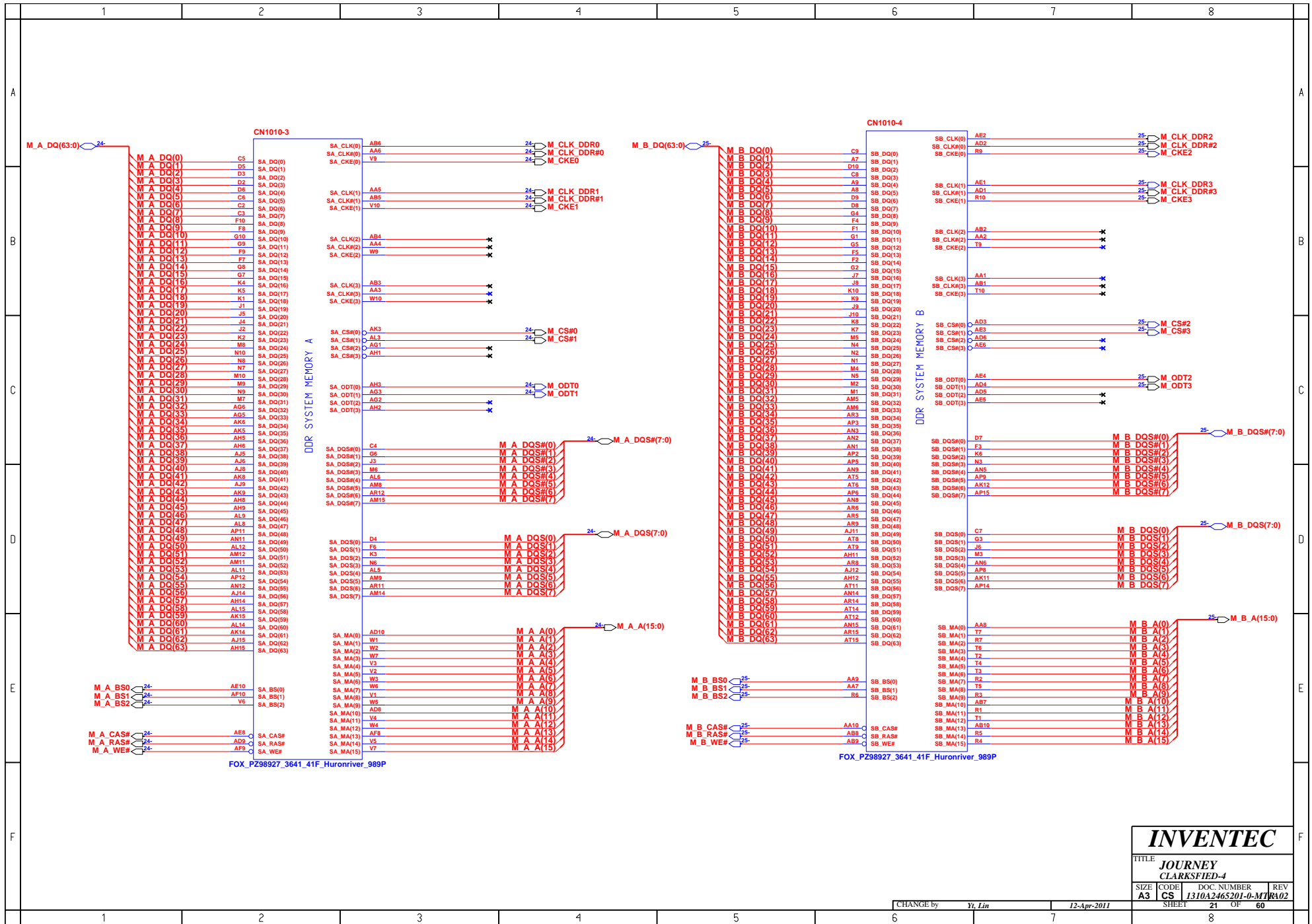
INVENTEC

TITLE
JOURNEY
CLARKSFIELD-3

SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2465201-0-MT	R02

CHANGE by Yt Lin 12-Apr-2011

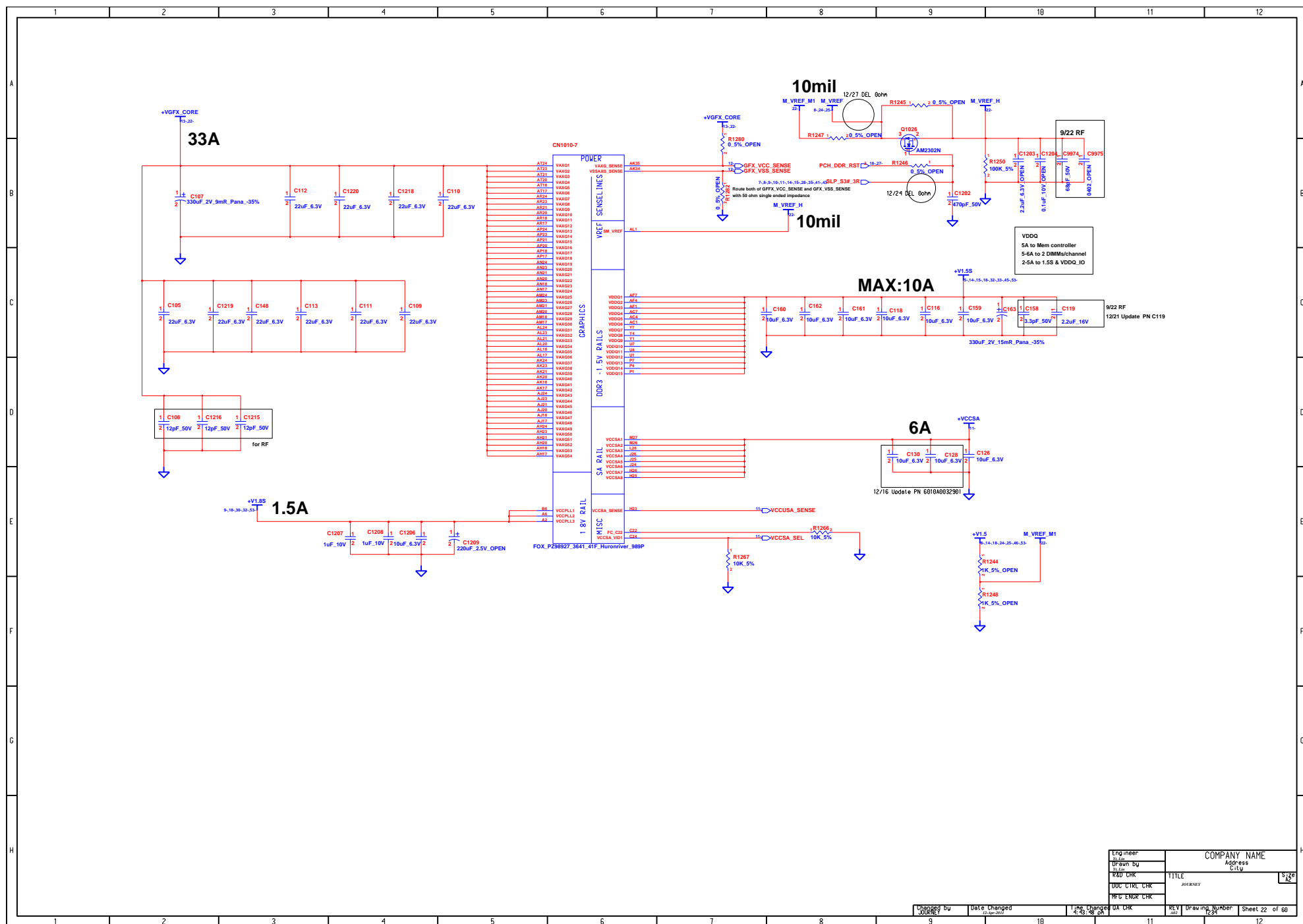
SHEET 20 OF 60

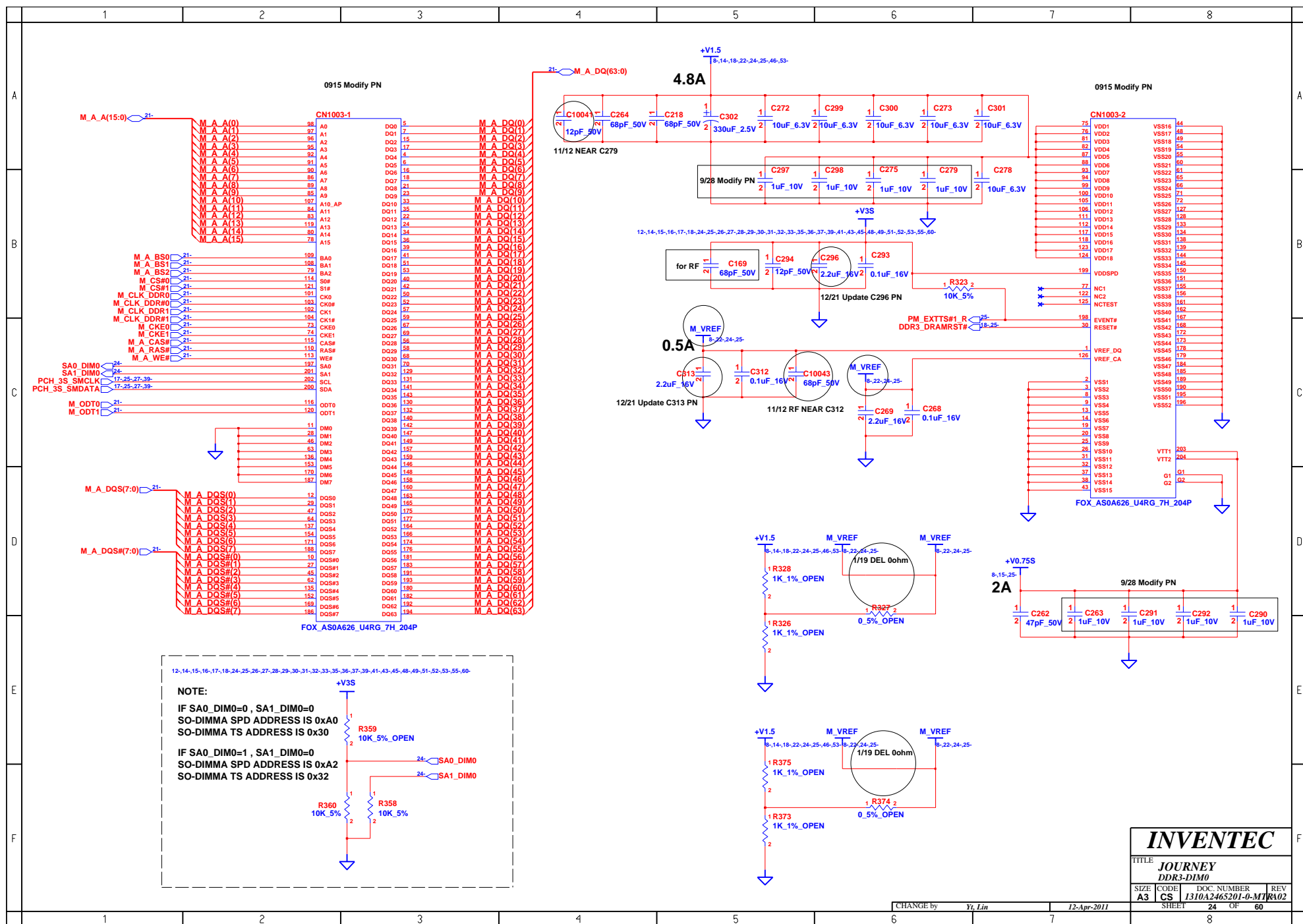


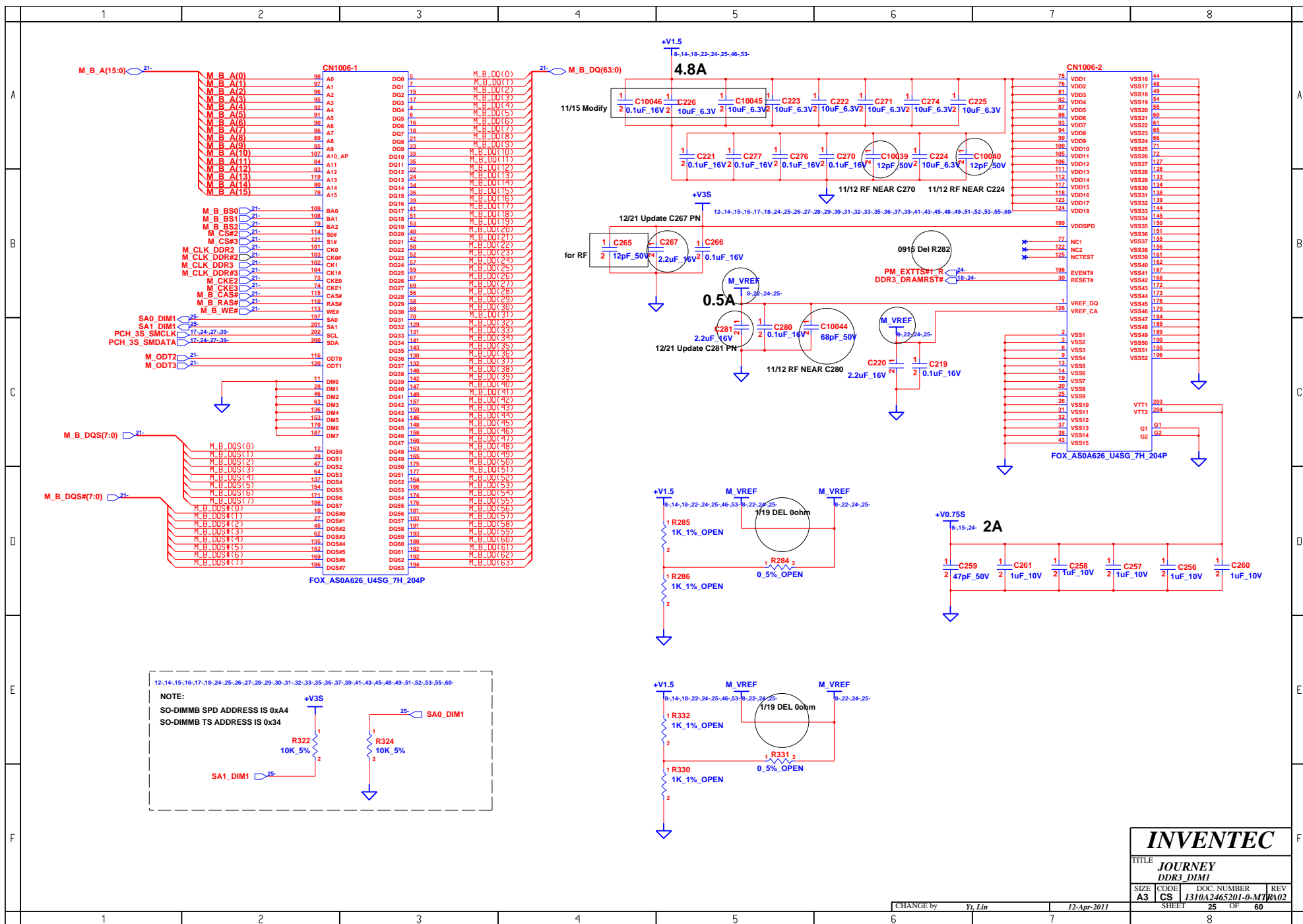
INVENTEC

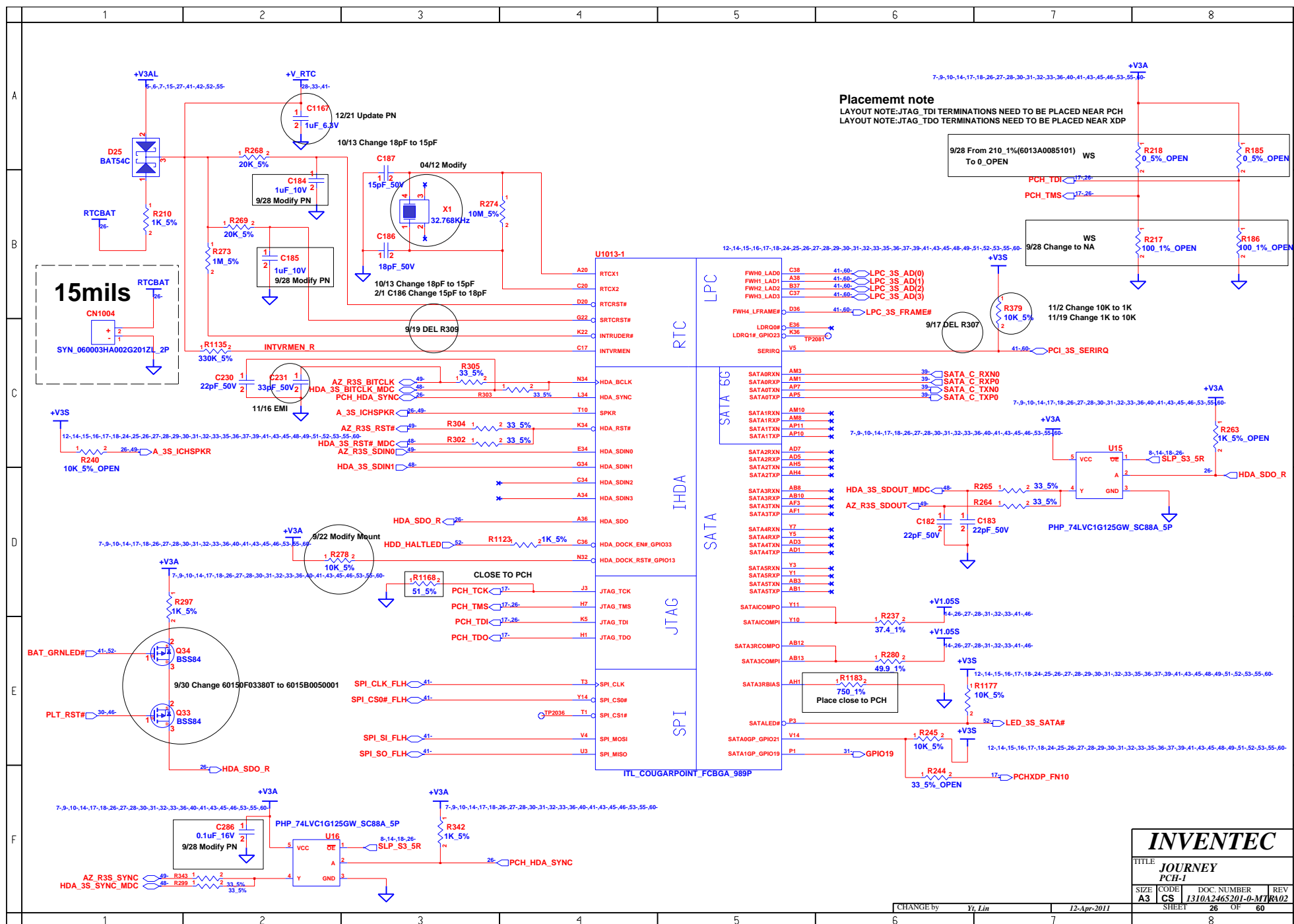
TITLE: JOURNEY CLARKSFIED-4			
SIZE: A3	CODE: CS	DOC. NUMBER: 1310A2465201-0-MT	REV: R02
SHEET: 21		OF: 60	

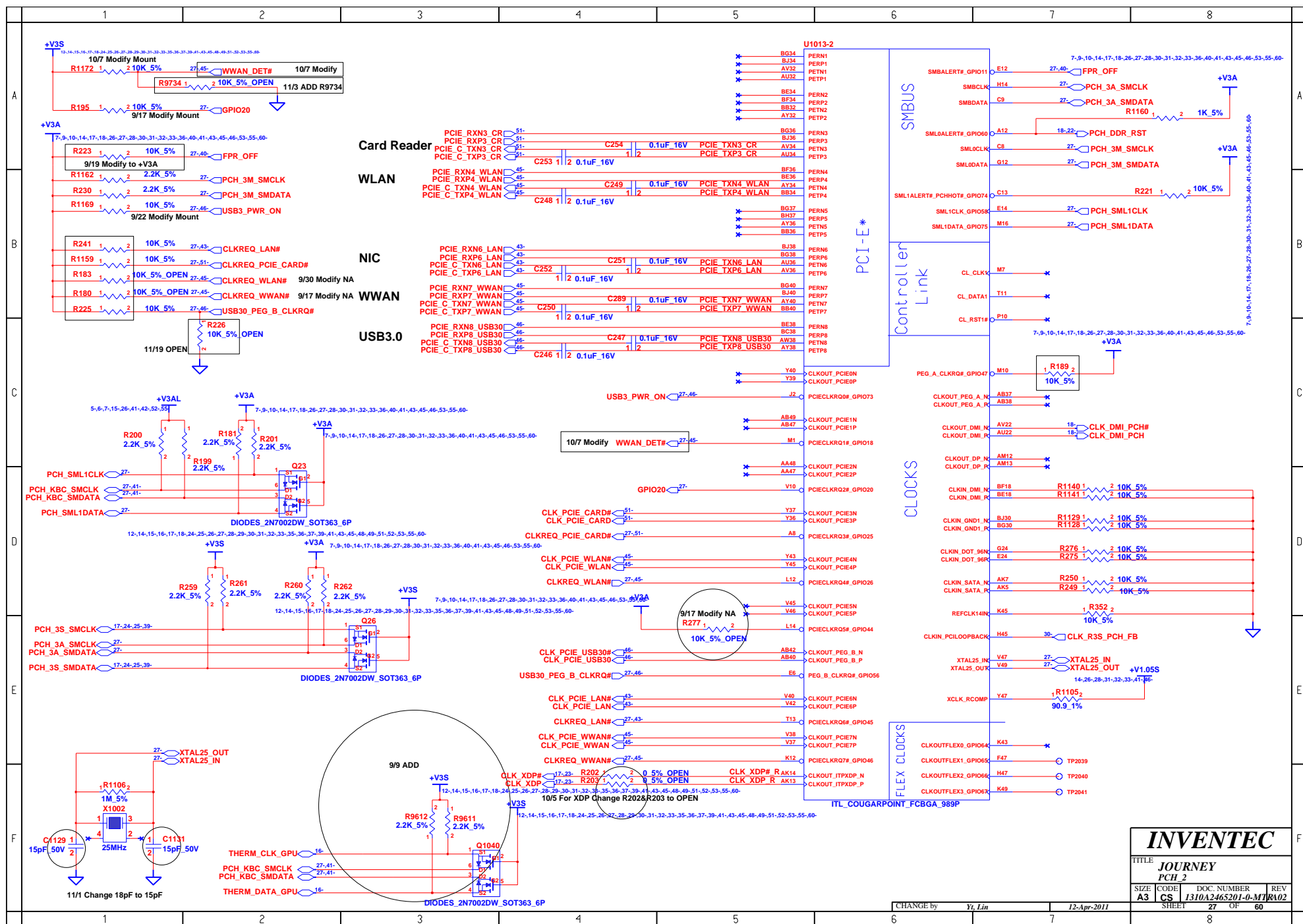
CHANGE by: Yt, Lin 12-Apr-2011

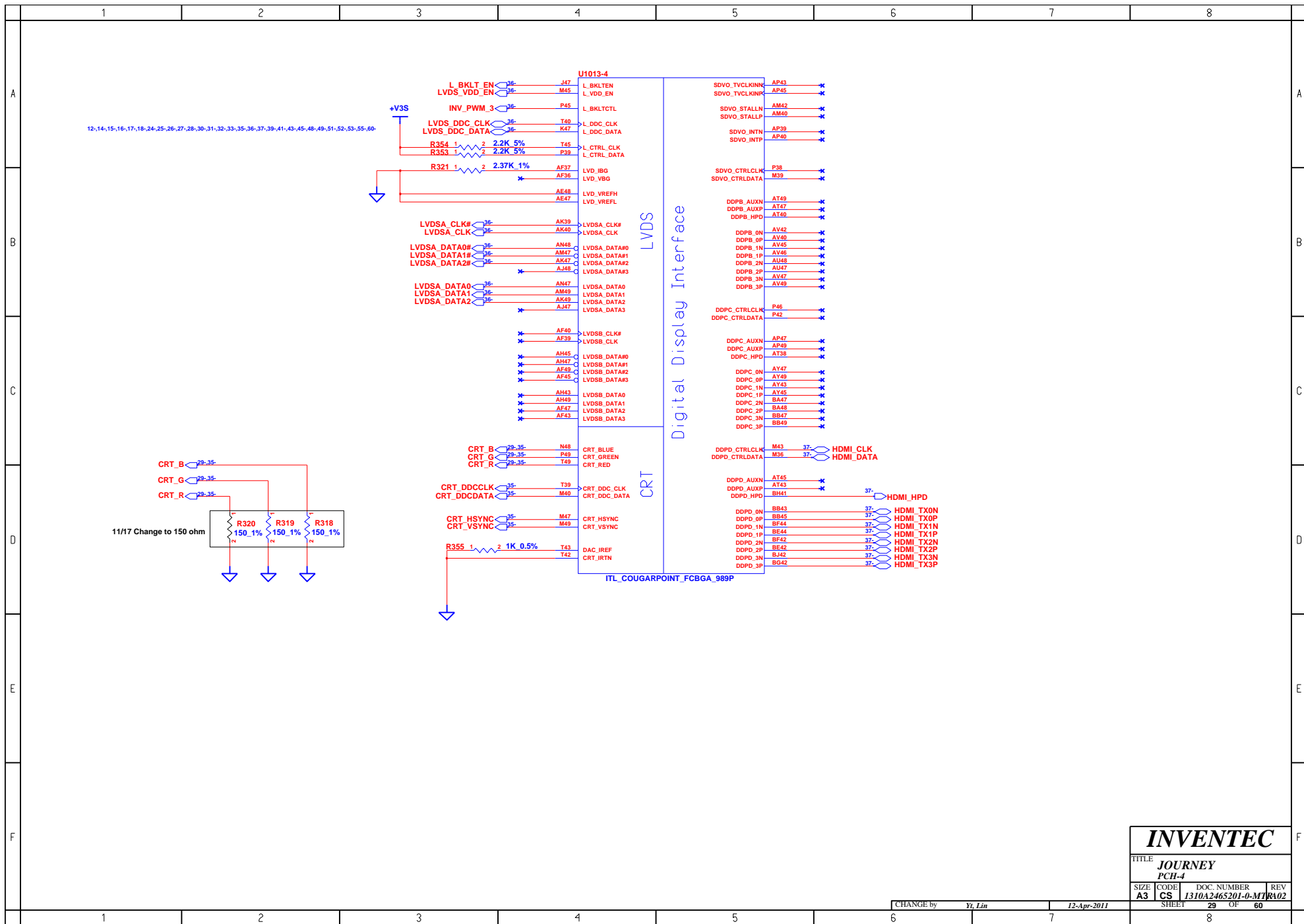












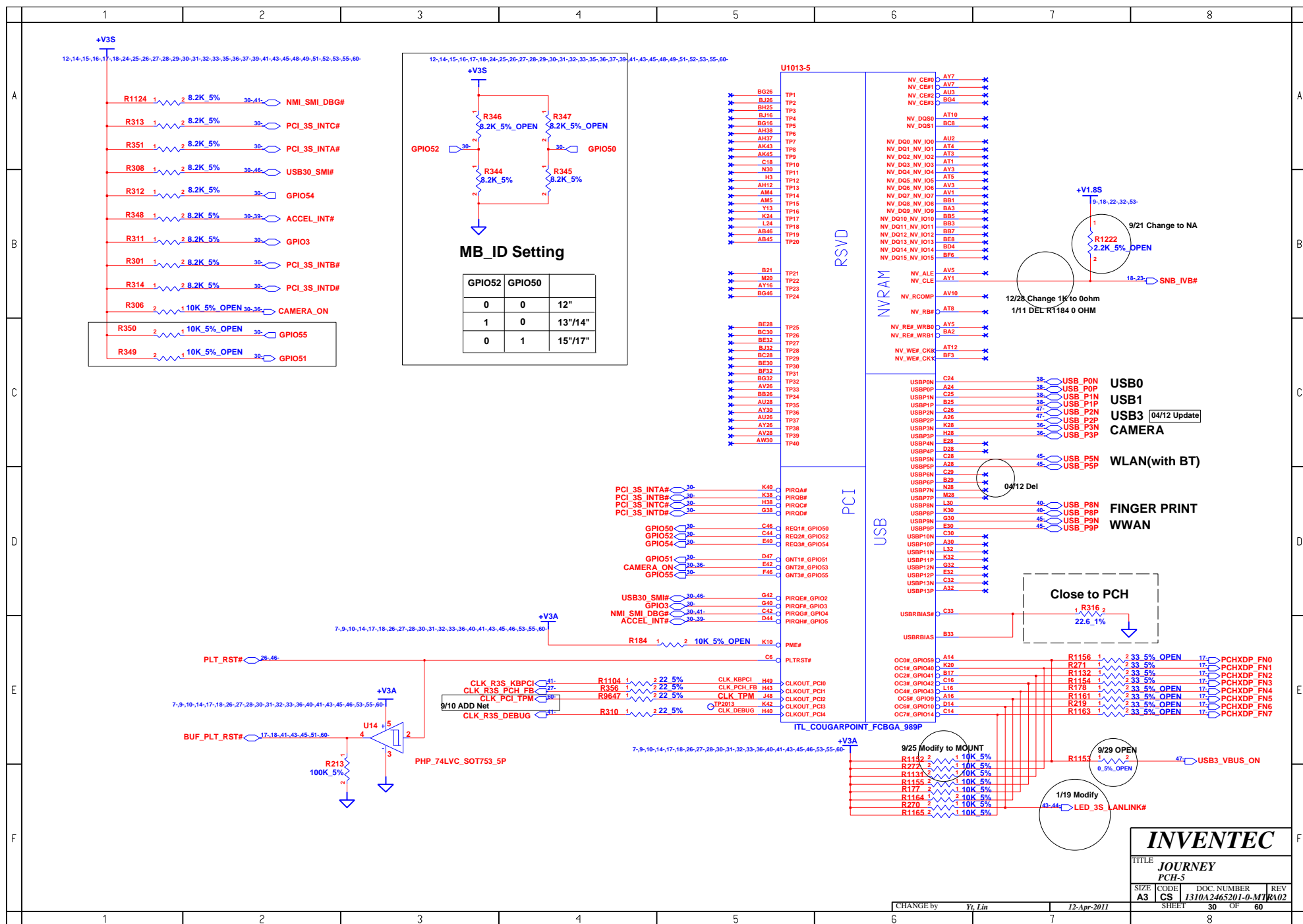
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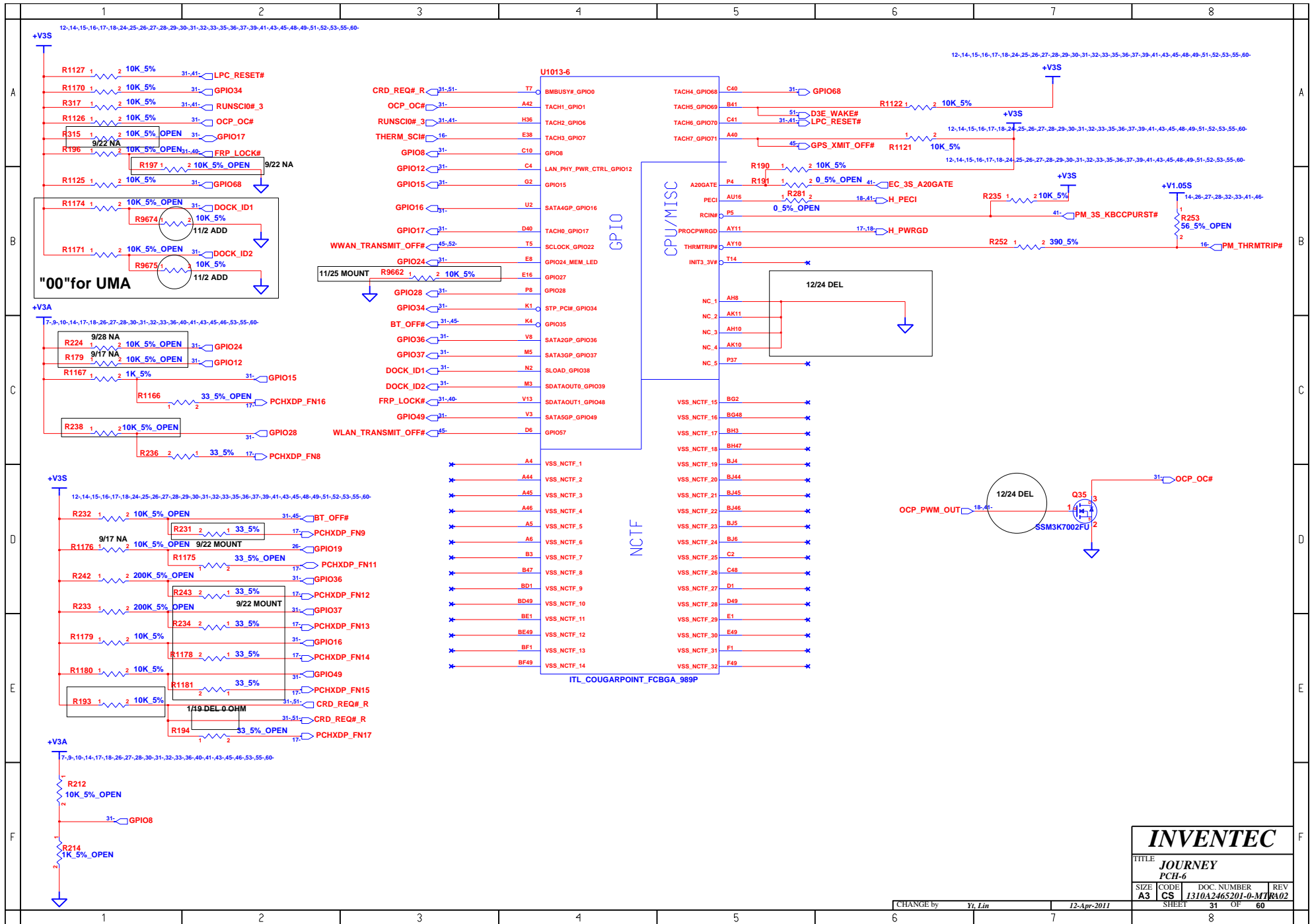
TITLE
JOURNEY
PCH-4

SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2465201-0-MT	R102

CHANGE by Yt Lin 12-Apr-2011

SHEET 29 OF 60





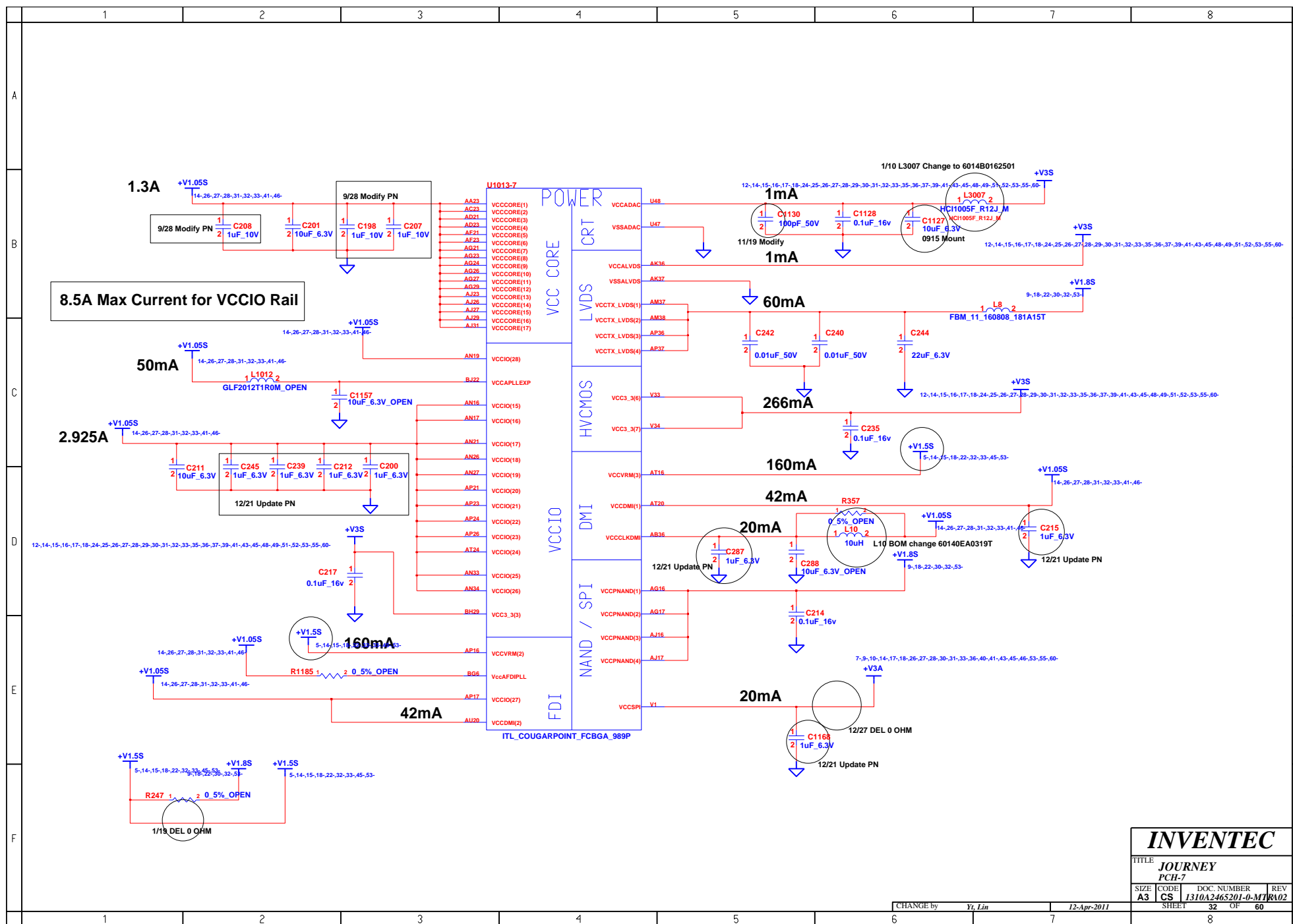
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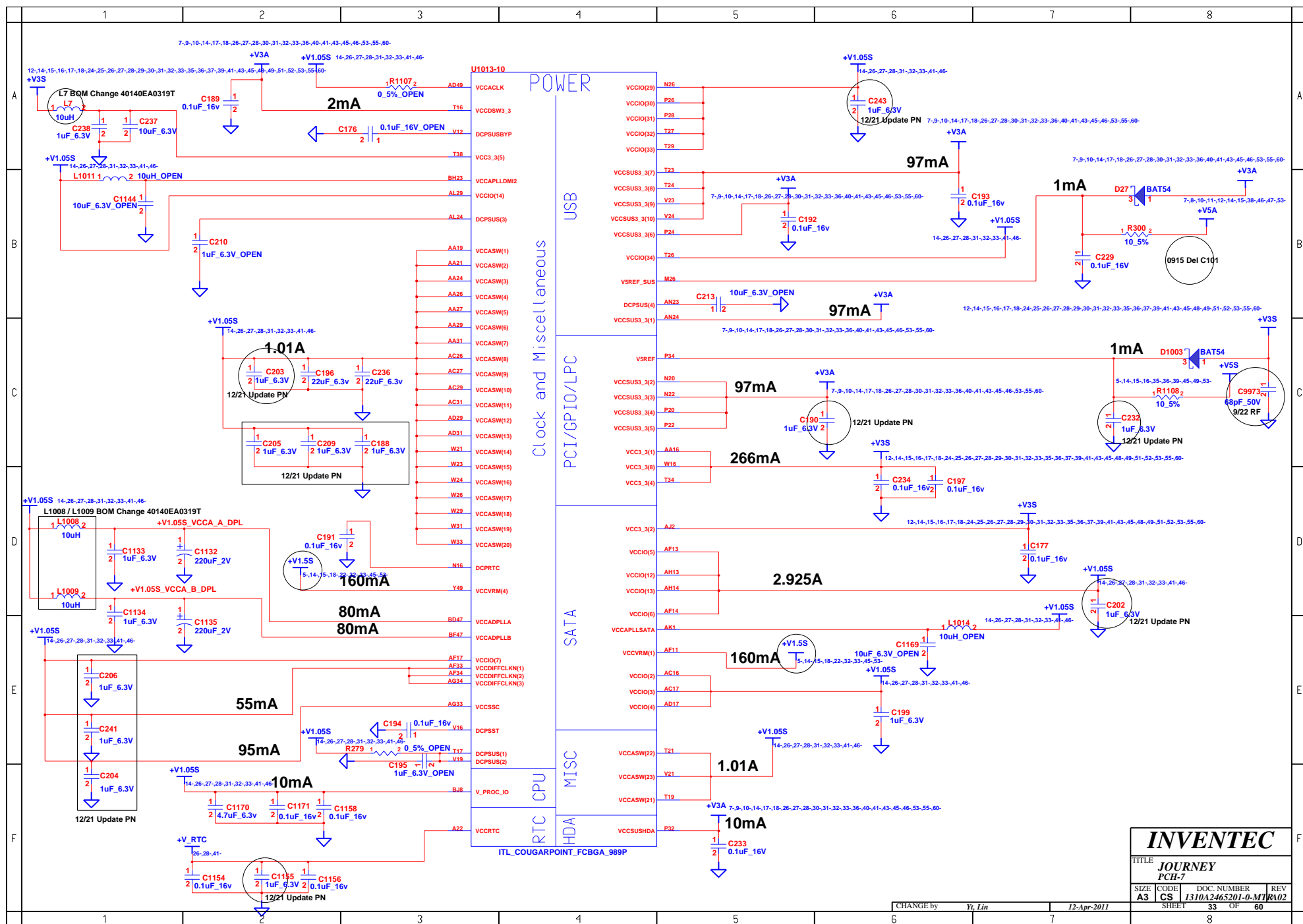
TITLE: JOURNEY PCH-6

SIZE: A3 CODE: CS DOC. NUMBER: 1310A2465201-0-MT REV: R102

SHEET: 31 OF 60

CHANGE by: Yt Lin 12-Apr-2011





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

INVENTEC			
TITLE JOURNEY			
PCH-8			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2465201-0-MT	RA02
SHEET		34	OF 60

11/10 DEL 150 ohm
11/10 EMI
11/17 ADD 150 ohm
11/26 EMI MOUNT

0.5A

9/20 Change to 6012B0388401

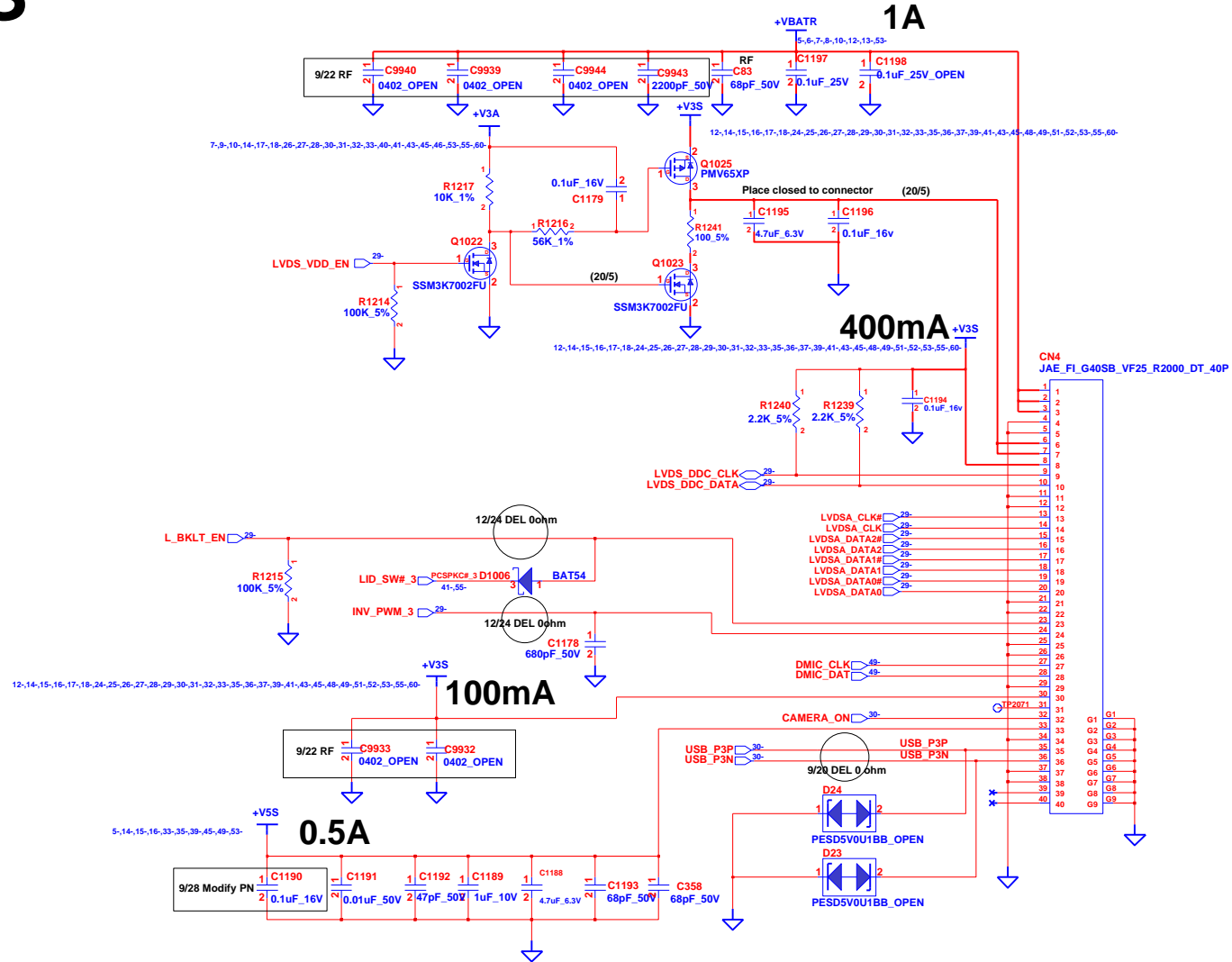
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INVENTEC

TITLE			
<i>JOURNEY</i> <i>CRT & DP</i>			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2465201-0-MTR	RA02
SHEET		35	OF 60

CHANGE by	<i>Yt, Lin</i>	<i>12-Apr-2011</i>
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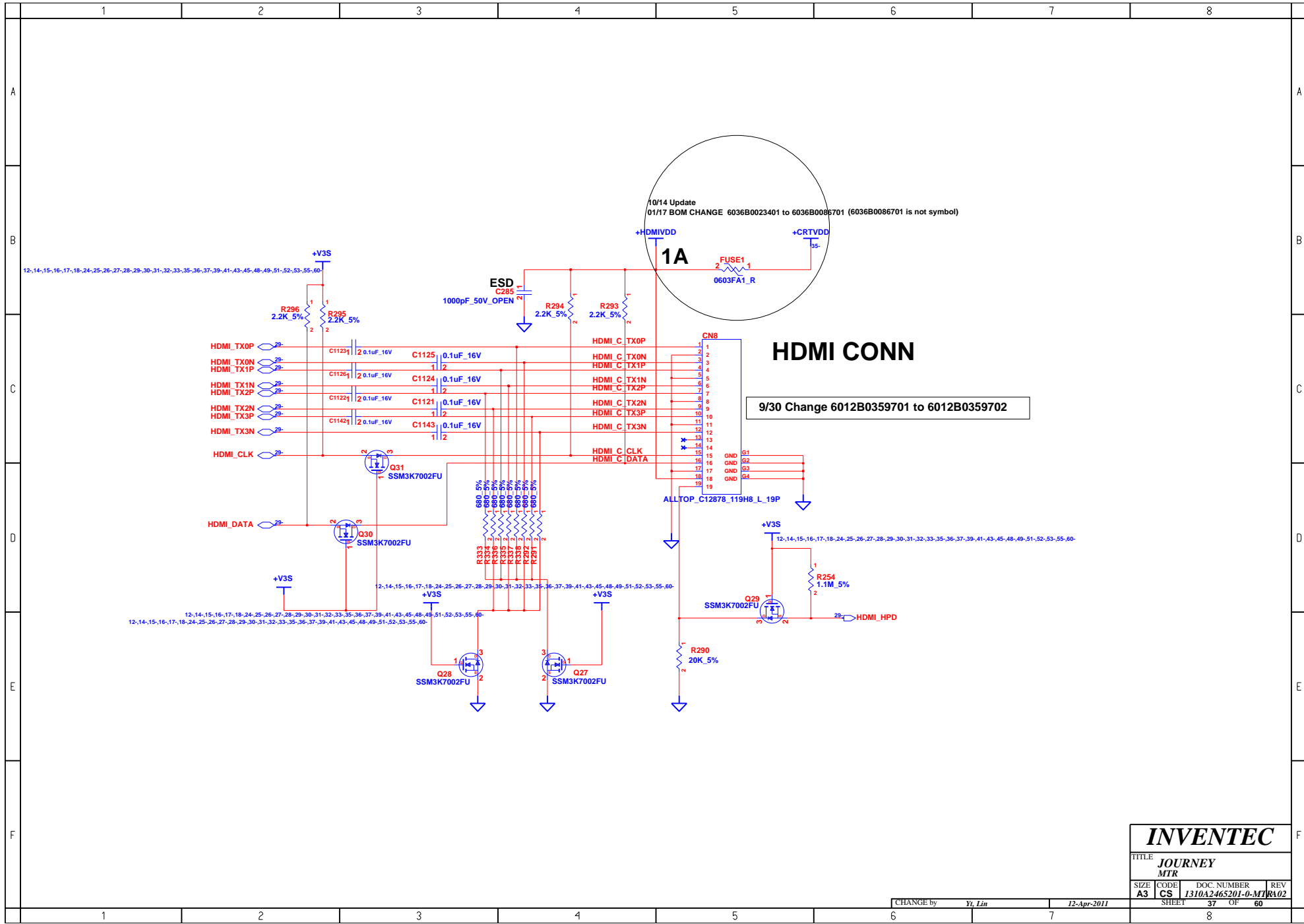
LVDS



INVENTEC

TITLE			
JOURNEY			
LCM & WEBCAM			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2465201-0-MT	R02
SHEET		36	OF 60

CHANGE by Yt Lin 12-Apr-2011



INVENTEC

TITLE
JOURNEY
MTR

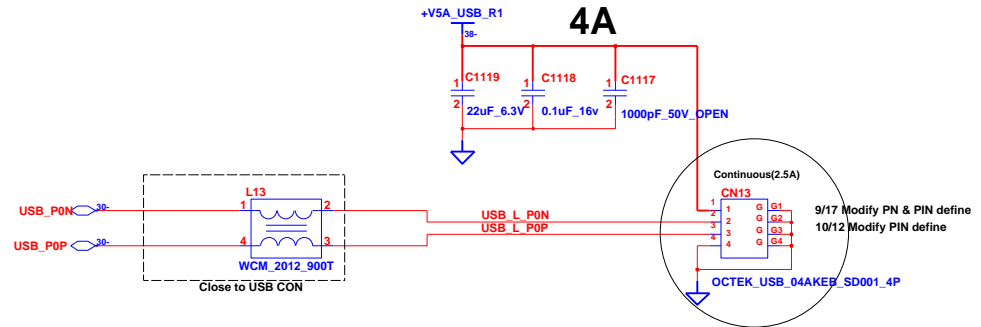
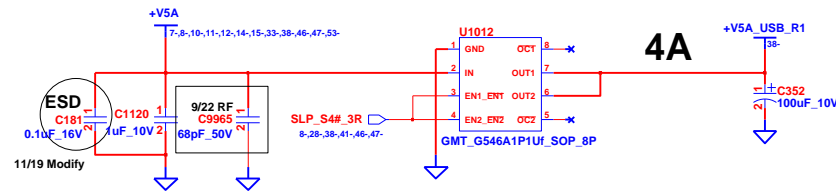
SIZE A3	CODE CS	DOC. NUMBER 1310A2465201-0-MTR	REV R02
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CHANGE by **Yi Lin** 12-Apr-2011

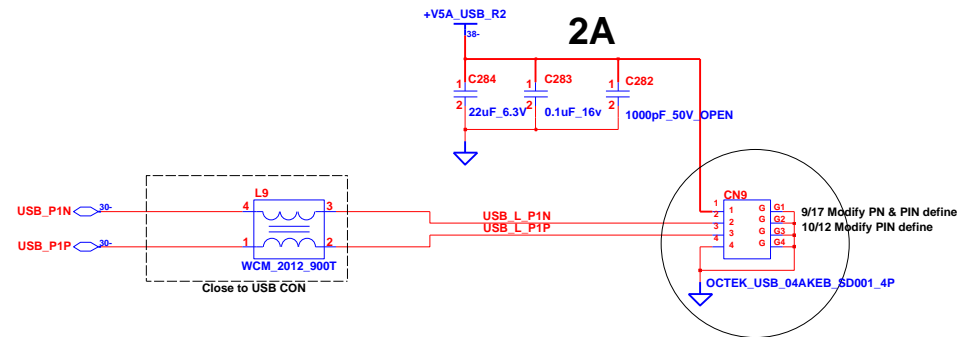
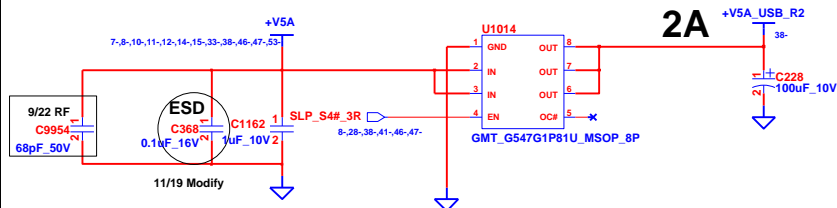
SHEET 37 OF 60

USB2.0 CONN(Right side)

USB Power port Conn



USB 2.0 Conn

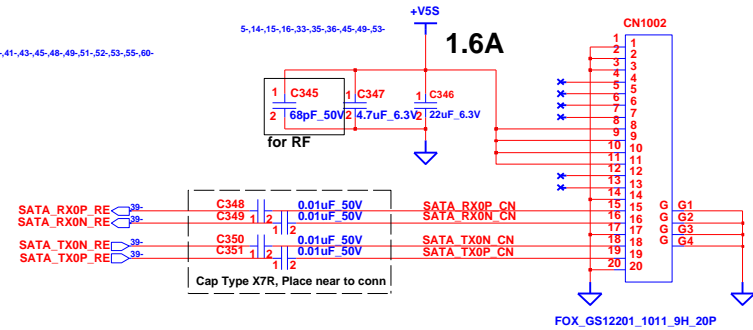
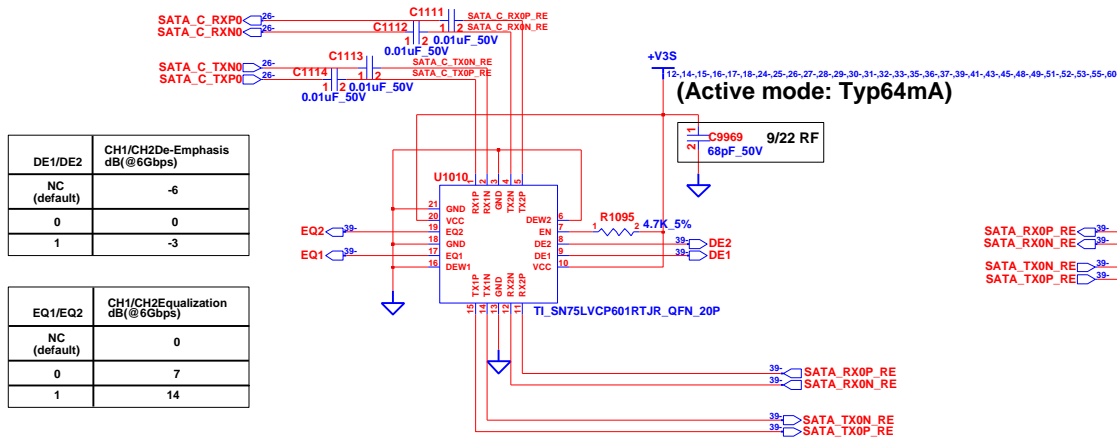


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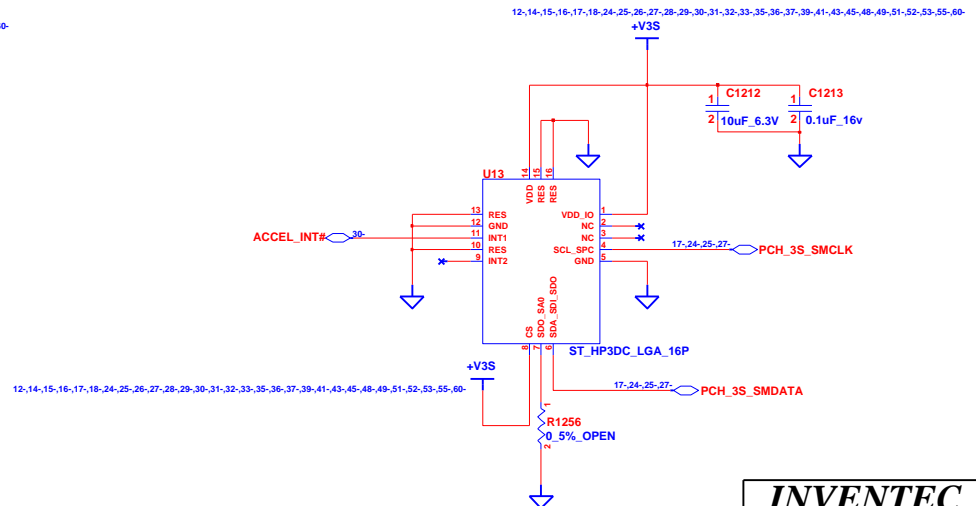
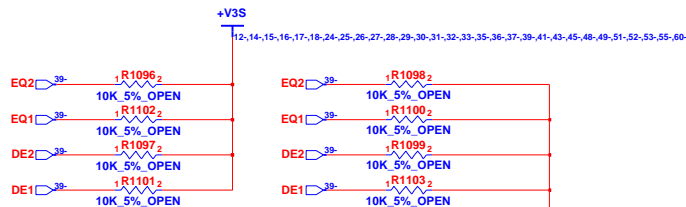
TITLE			
JOURNEY			
USB & ESATA COMBO			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2465201-0-MT	R02
SHEET		38	OF 60

CHANGE by Yt Lin 12-Apr-2011

SATA HDD CONN & G-SENSOR



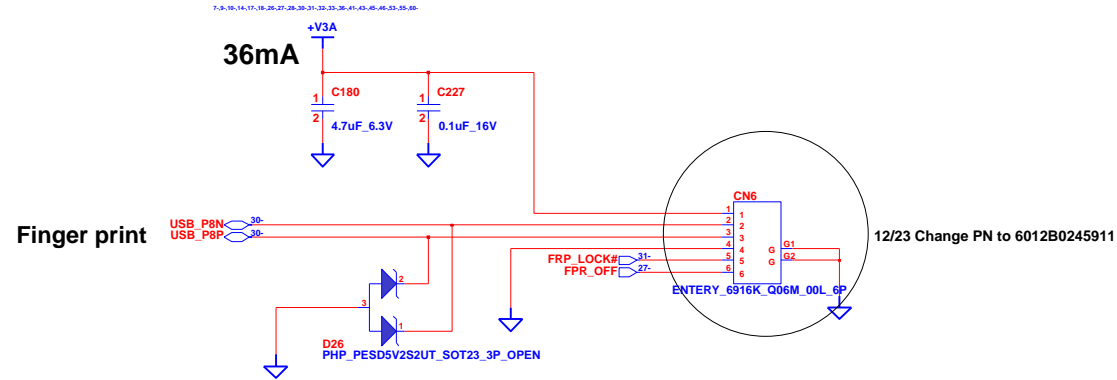
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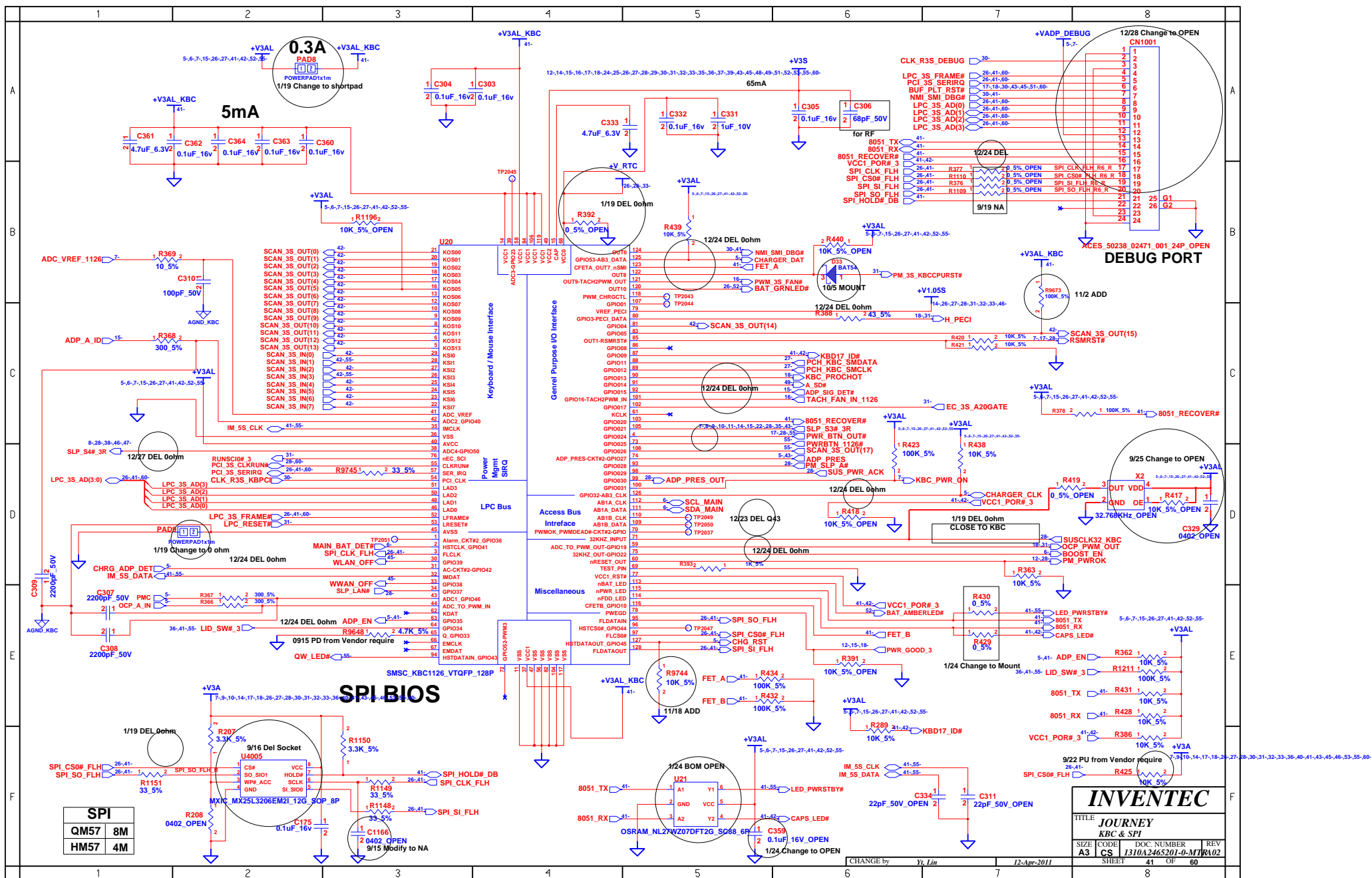
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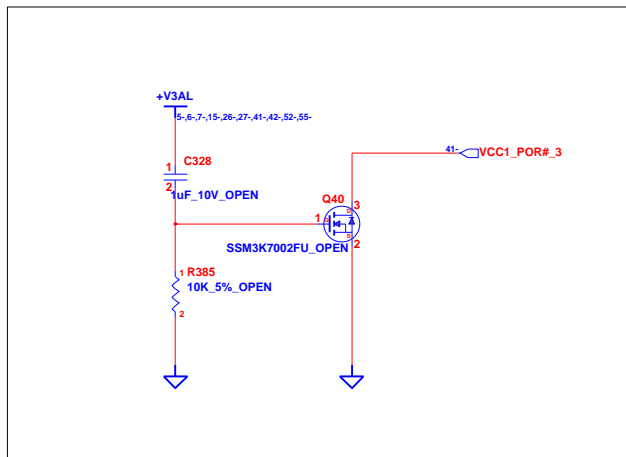
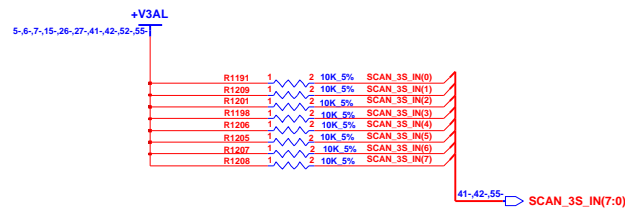
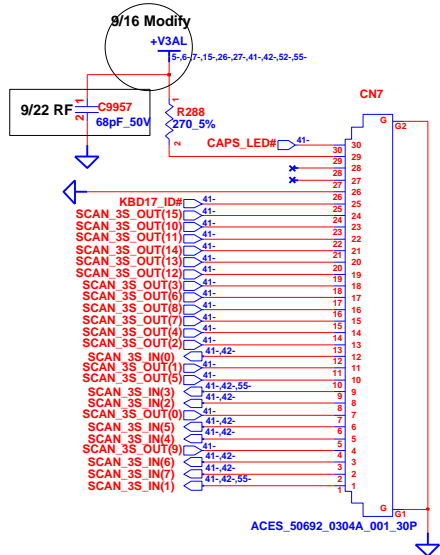
TITLE			
JOURNEY			
SATA HDD & ODD			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310A2465201-0-MT	R02
CHANGE by		Yt Lin	12-Apr-2011
SHEET		39	OF 60

MB to FP BOARD



INVENTEC			
TITLE JOURNEY			
BLUETOOTH & FINGER PRINTER			
SIZE A3	CODE CS	DOC. NUMBER 1310A2465201-0-MT	REV R02
CHANGE by Yi Lin		12-Apr-2011	
SHEET 40		OF 60	





CLOSE TO KBC

INVENTEC			
TITLE			
JOURNEY KEYBOARD & STICK POINT			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2465201-0-MT	R002
SHEET		42	OF 60

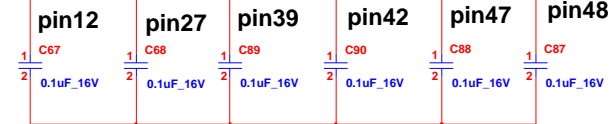
CHANGE by Yt Lin 12-Apr-2011

LAN

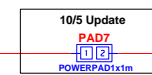
+V3_LAN rising time:1ms~100ms

0.5A

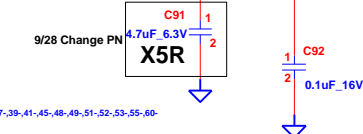
C67,C68,C87 to C90 are for +V3_LAN pins- 12, 27, 39,42, 47, 48



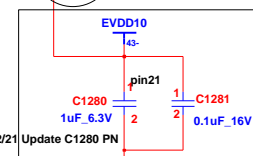
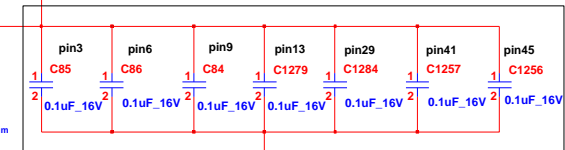
Placed near LAN Controller



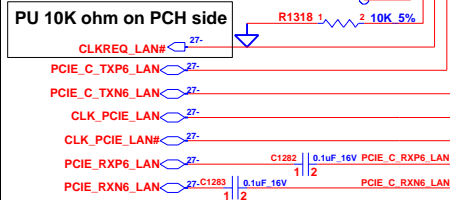
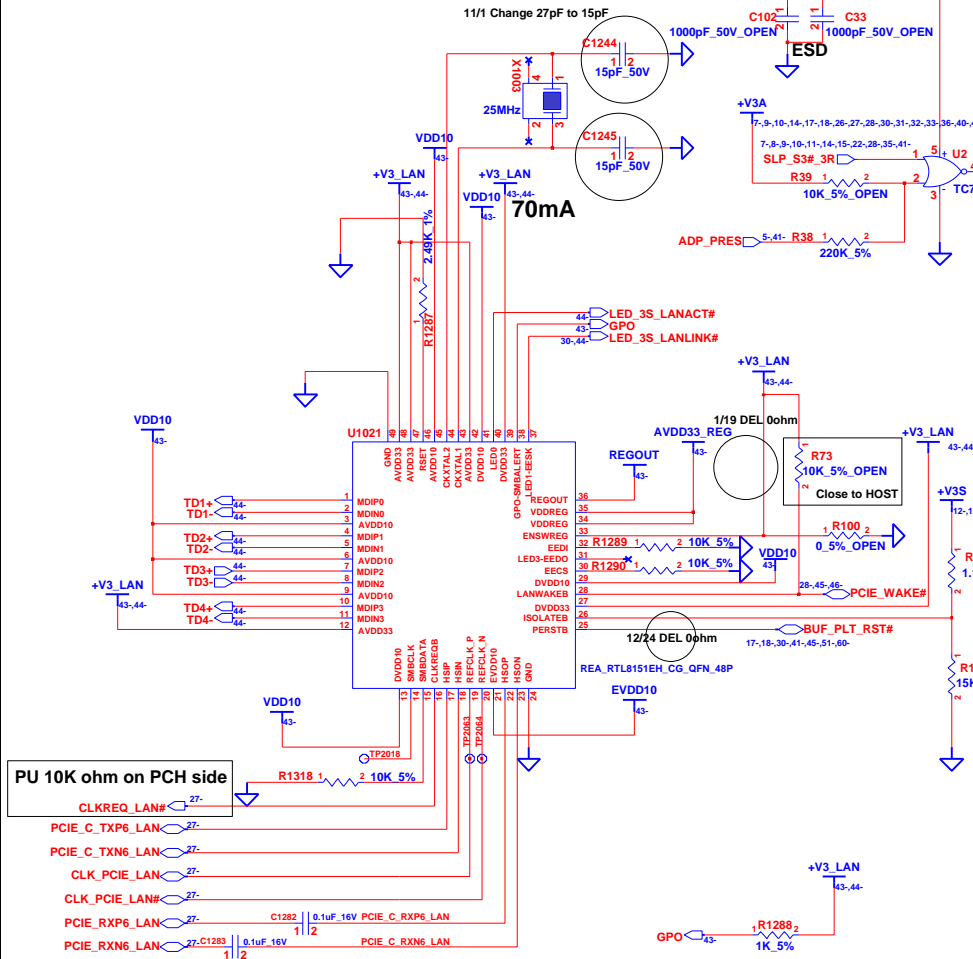
Placed near LAN Controller



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



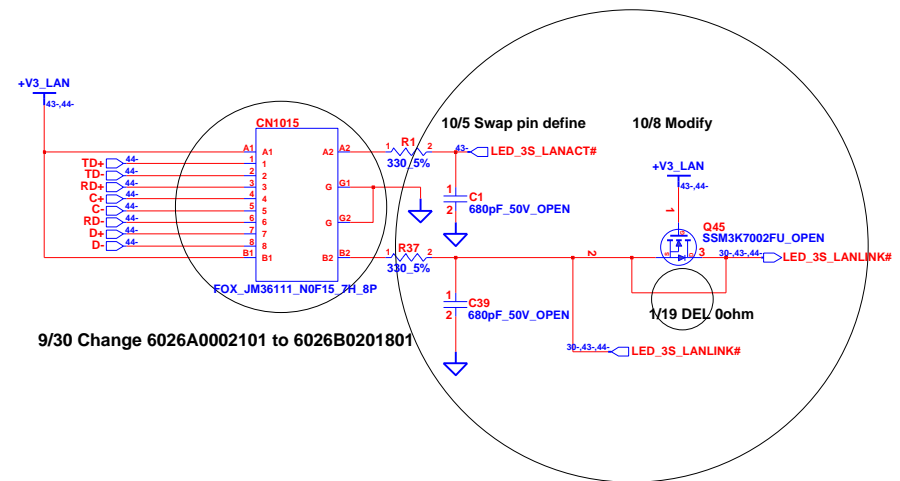
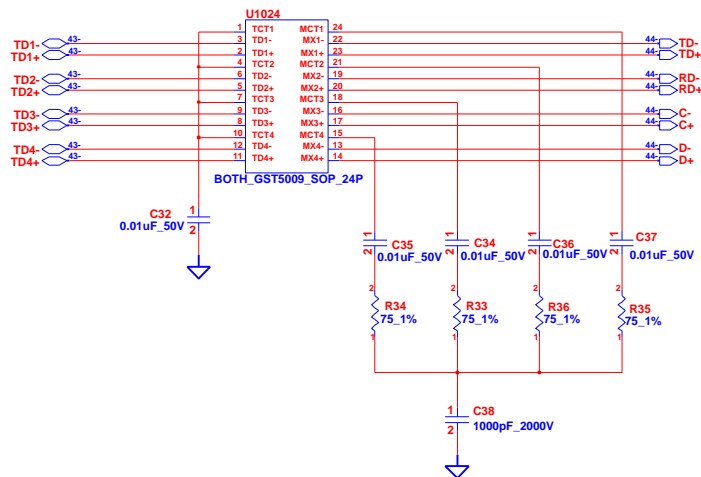
INVENTEC

TITLE JOURNEY LAN INTERFACE			
SIZE A3	CODE CS	DOC NUMBER 1310A2465201-0-MT	REV R102
CHANGE by Yi Lin		12-Apr-2011	
SHEET 43		OF 60	

RJ45 CONN

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



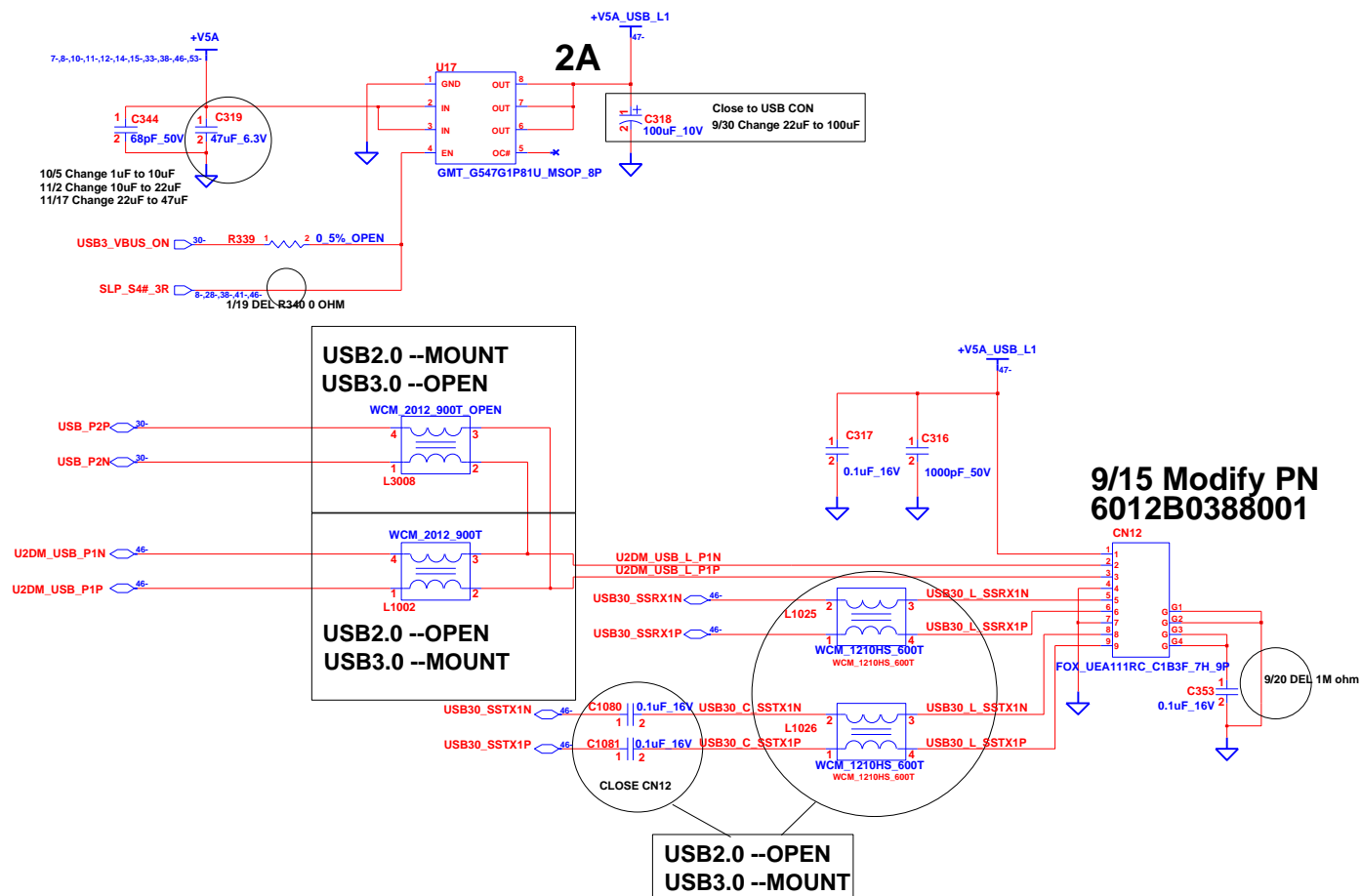
9/30 Change 6026A0002101 to 6026B0201801

INVENTEC

TITLE			
JOURNEY LAN RJ45 CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2465201-0-MTR	RA02
SHEET		44	OF 60

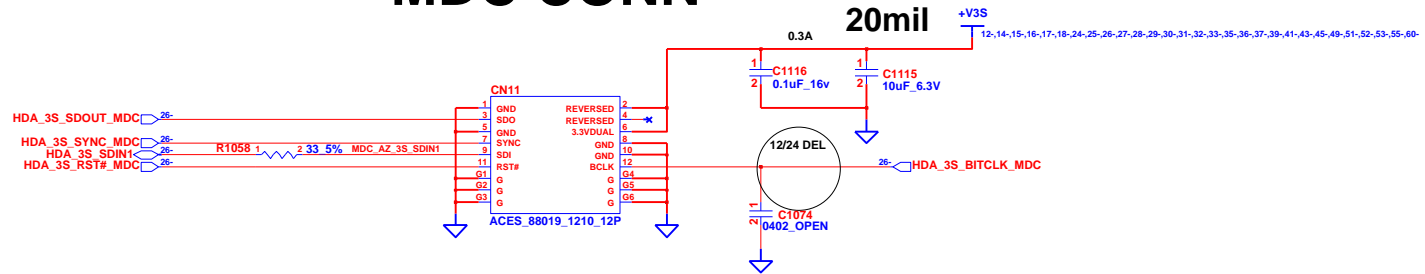
CHANGE by	<i>Yt, Lin</i>	<i>12-Apr-2011</i>
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USB3.0 CONN(Left side)

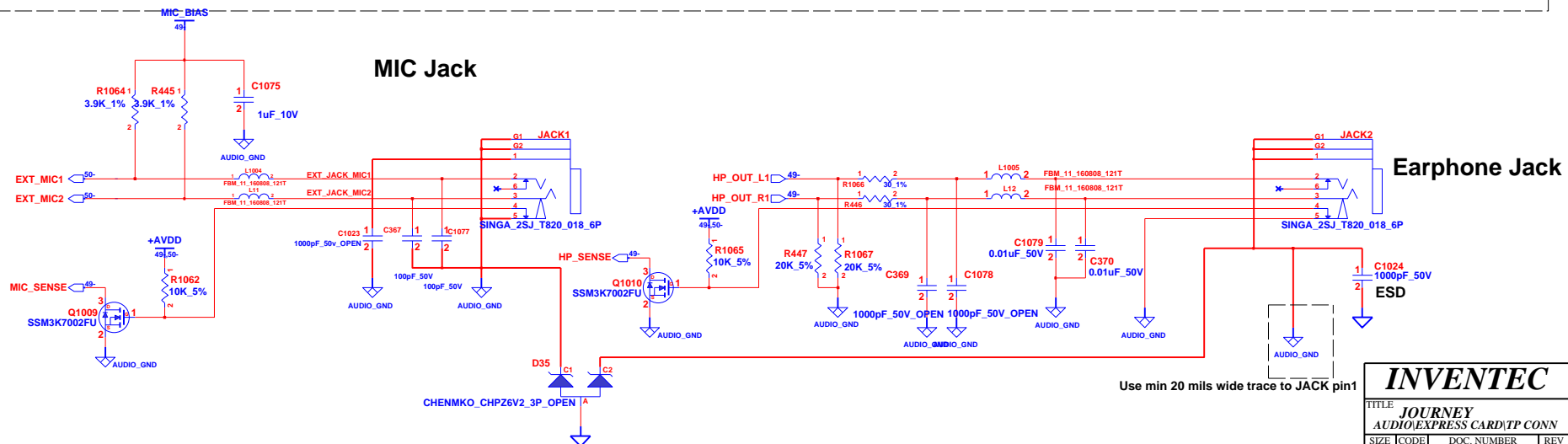
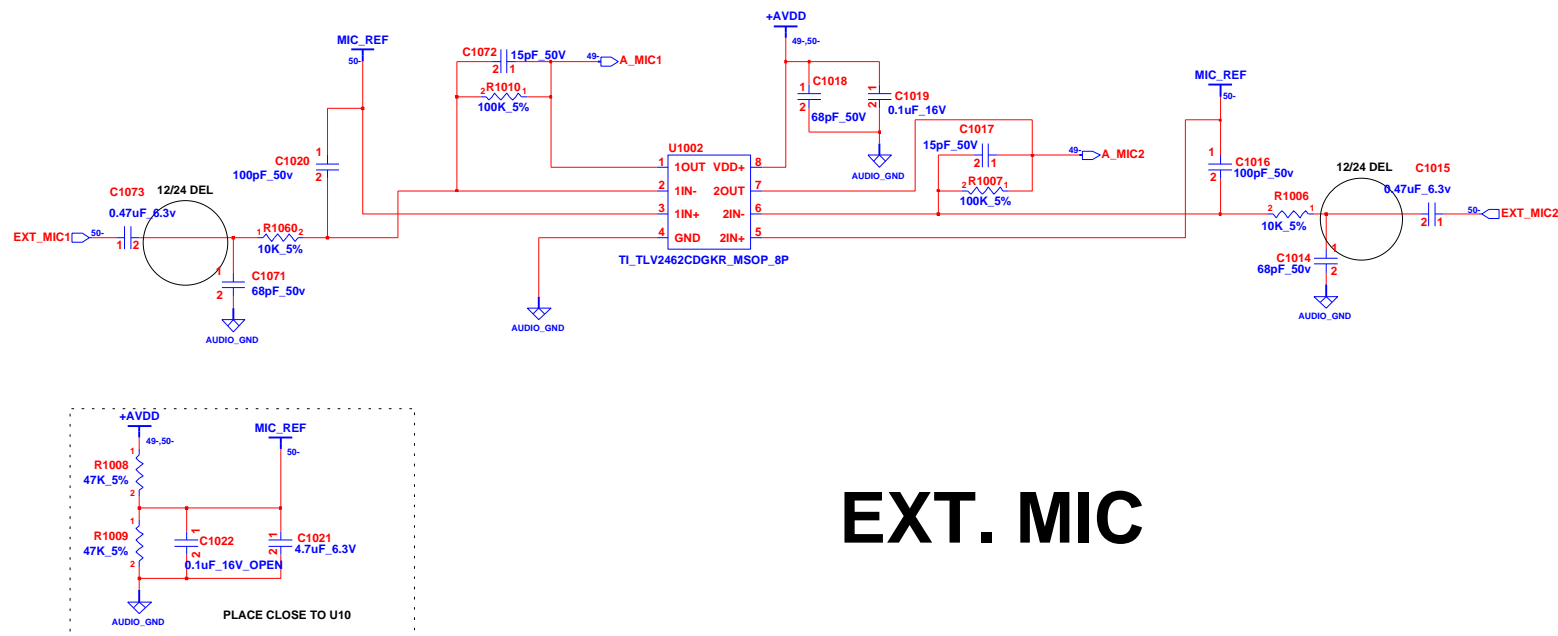


INVENTEC			
TITLE JOURNEY			
power /wlan /wlan /Bt LED			
SIZE A3	CODE CS	DOC. NUMBER 1310A2465201-0-MT	REV R002
CHANGE by Yt Lin		12-Apr-2011	
SHEET 47		OF 60	

MDC CONN



INVENTEC			
TITLE JOURNEY			
SIZE A3	CODE CS	DOC. NUMBER 1310A2465201-0-MT	REV R002
CHANGE by Yt Lin		12-Apr-2011	
SHEET 48		OF 60	

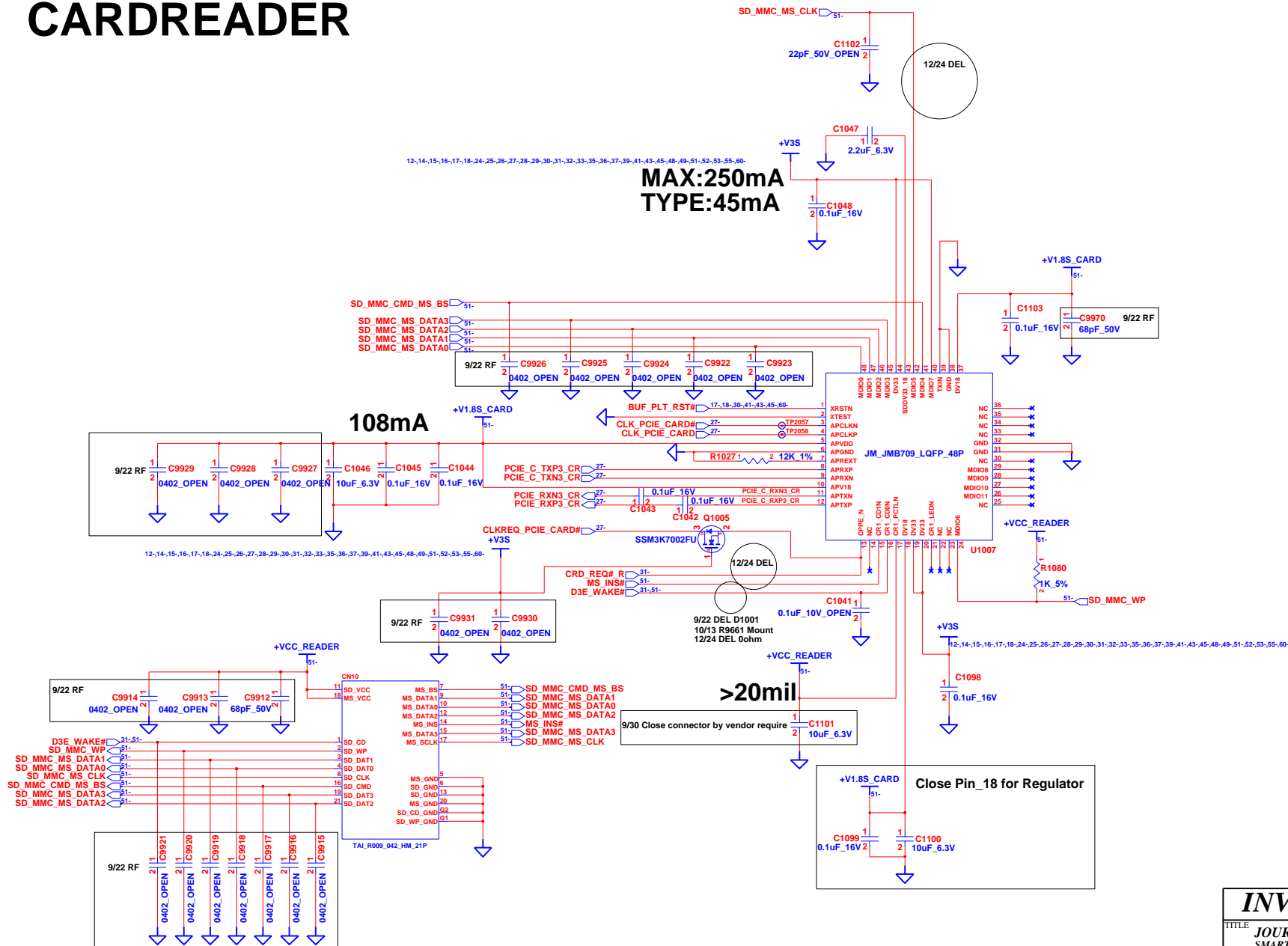


Use min 20 mils wide trace to JACK pin1

INVENTEC			
TITLE JOURNEY AUDIO EXPRESS CARD TP CONN			
SIZE A3	CODE CS	DOC. NUMBER 1310A246S201-0-MT	REV R02
SHEET 50		OF 60	

CHANGE by Yt Lin 12-Apr-2011

CARDREADER



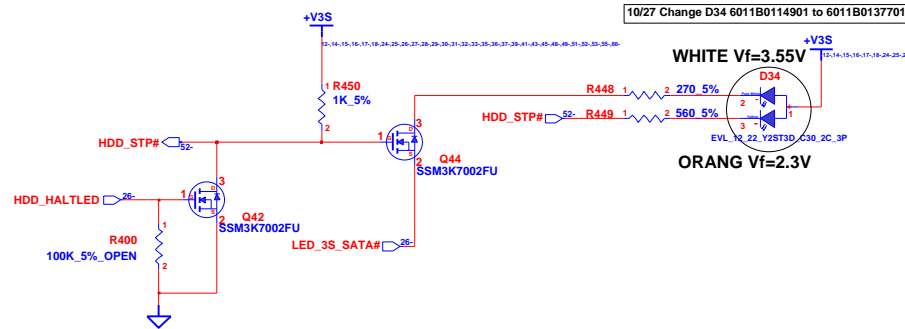
INVENTEC

TITLE JOURNEY SMART CARD			
SIZE A3	CODE CS	DOC. NUMBER 1310A2465201-0-MT	REV R02
SHEET 51		OF 60	

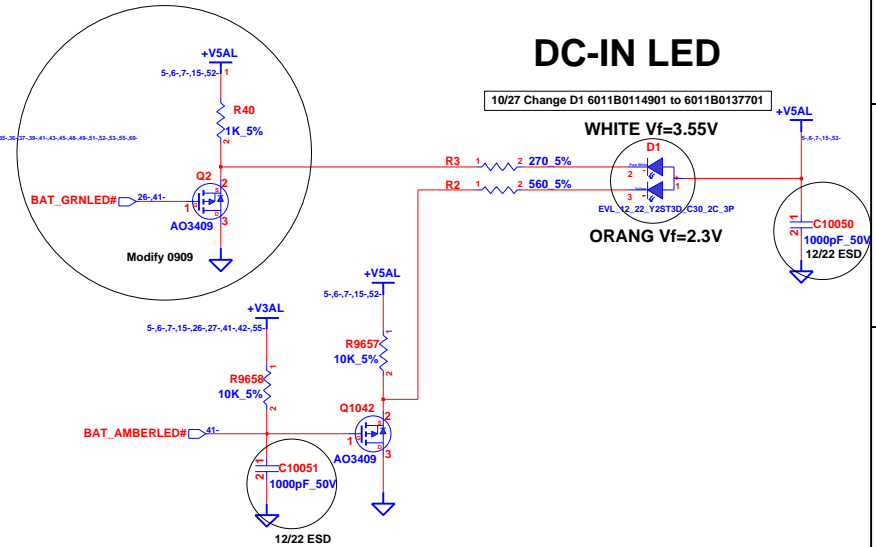
CHANGE by **Yi Lin** 12-Apr-2011

LED

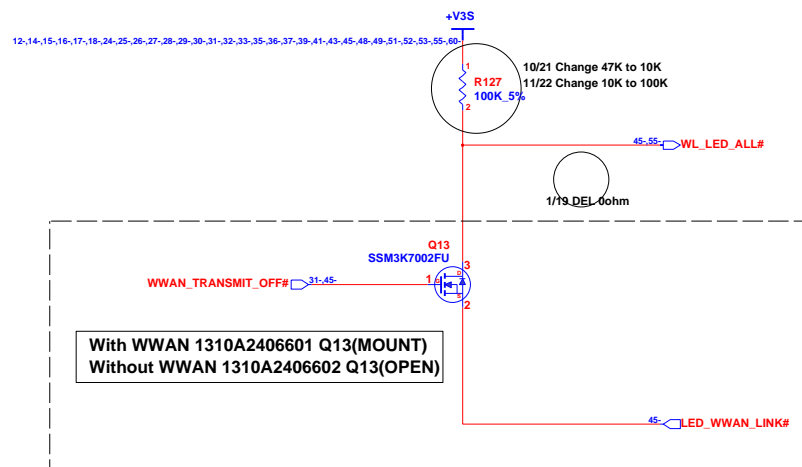
SATA LED & HDD-HALTED LED



DC-IN LED



WLAN_WWAN_Bluetooth_LED



INVENTEC

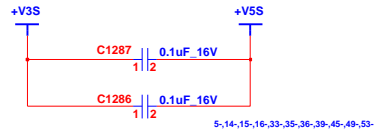
TITLE
JOURNEY

SIZE A3	CODE CS	DOC. NUMBER 1310A2465201-0-MT	REV RA02
SHEET 52		OF 60	

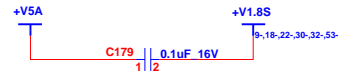
CHANGE by **Yt, Lin** 12-Apr-2011

STITCHING CAPS

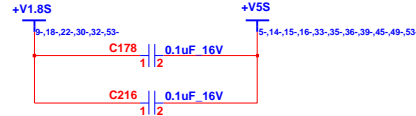
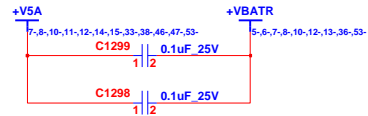
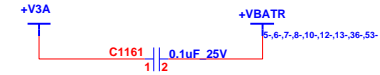
12,14,15,16,17,18,24,25,26,27,28,29,30,31,32,33,35,36,37,39,41,43,45,48,49,51,52,53,55,60-



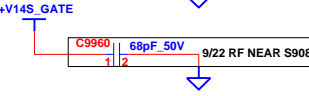
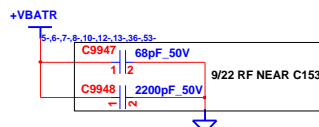
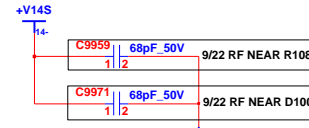
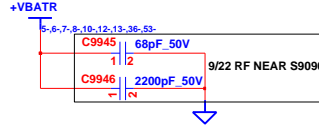
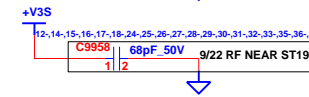
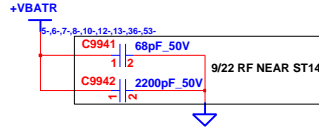
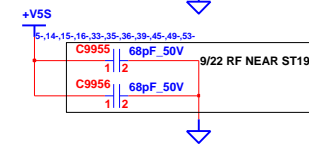
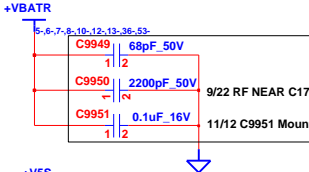
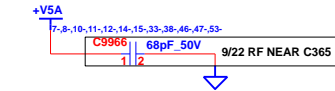
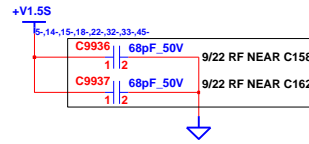
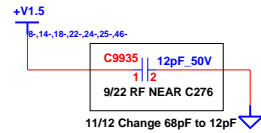
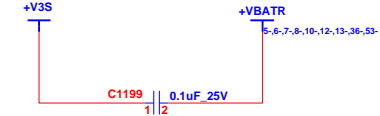
7,8,10,11,12,14,15,33,38,46,47,53-



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

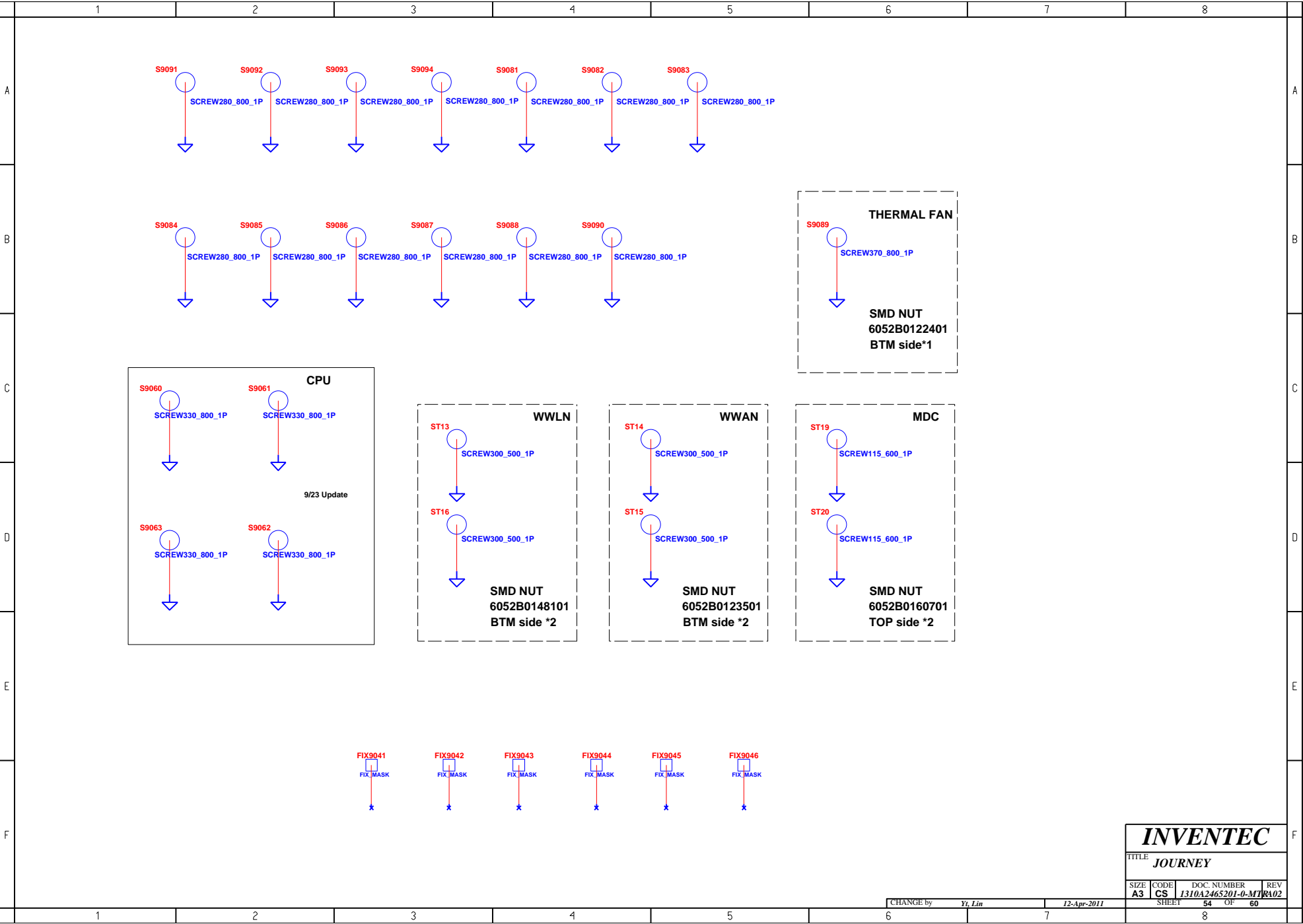


12,14,15,16,17,18,24,25,26,27,28,29,30,31,32,33,35,36,37,39,41,43,45,48,49,51,52,53,55,60-



<i>INVENTEC</i>			
TITLE <i>JOURNEY</i>			
SIZE A3	CODE CS	DOC. NUMBER 1310A2465201-0-MT	REV R102
SHEET 53		OF 60	
8			

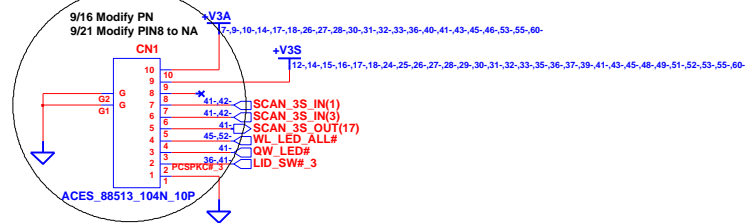
CHANGE by Yt Lin 12-Apr-2011



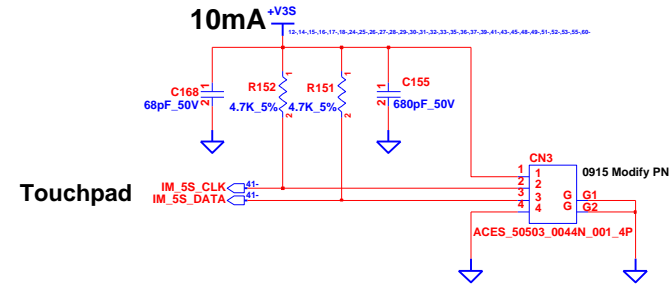
INVENTEC			
TITLE JOURNEY			
SIZE A3	CODE CS	DOC. NUMBER 1310A2465201-0-MTR002	REV R02
CHANGE by Yt. Lin		12-Apr-2011	
SHEET 54		OF 60	

Wire to board Conn on MB

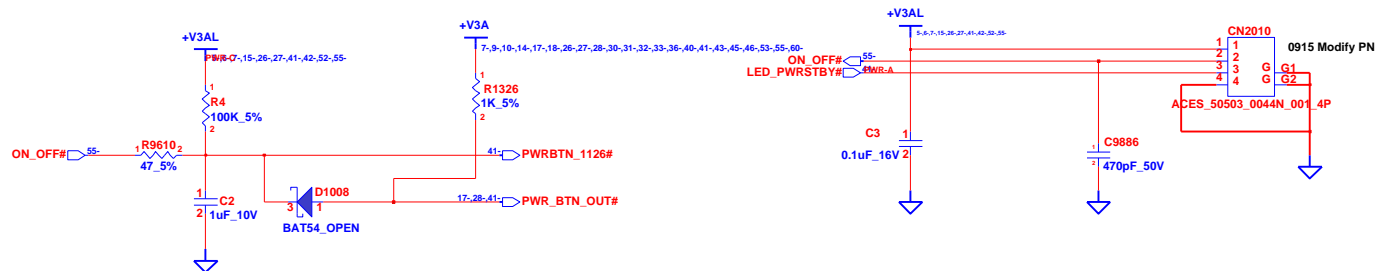
MB to Launch BOARD



MB to PICK Button BOARD



MB to POWER BOARD



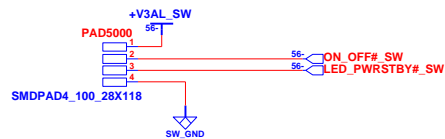
INVENTEC

TITLE JOURNEY CARD READER			
SIZE A3	CODE CS	DOC. NUMBER 1310A2465201-0-MT	REV R02
SHEET 55		OF 60	

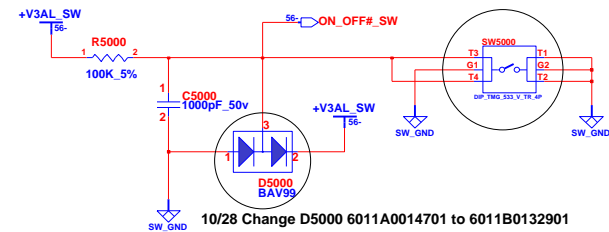
CHANGE by **Yt Lin** 12-Apr-2011

DB Power Board

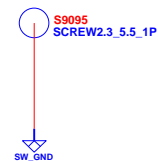
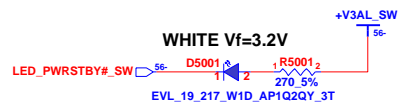
PWR SW W/B CONN



Power Button



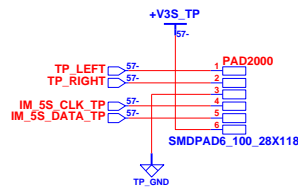
Power / Standby LED



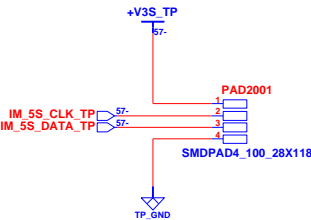
INVENTEC			
TITLE JOURNEY			
SIZE A3	CODE CS	DOC. NUMBER 1310A2465201-0-MT	REV R02
CHANGE by Yt Lin		12-Apr-2011	
SHEET 56		OF 60	

DB PICK Button Board

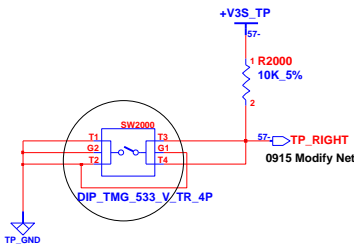
To Touchpad Module



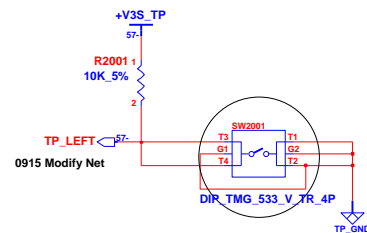
To MB KBC



RIGHT BUTTON



LEFT BUTTON



FIX9021
FIX_MASK

FIX9022
FIX_MASK

INVENTEC

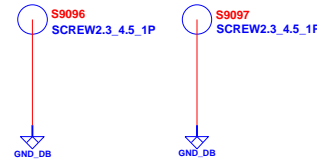
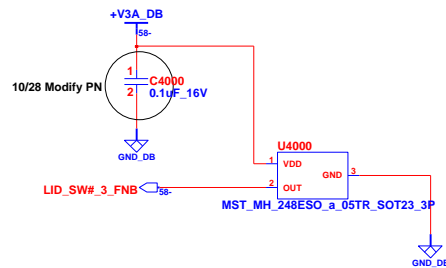
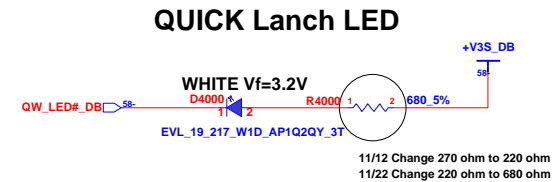
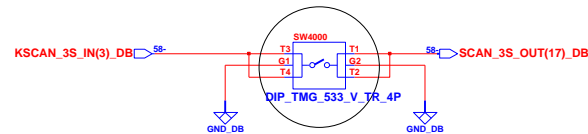
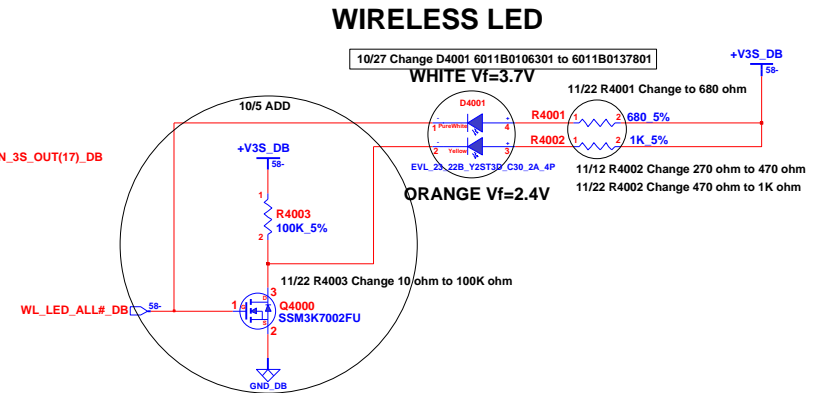
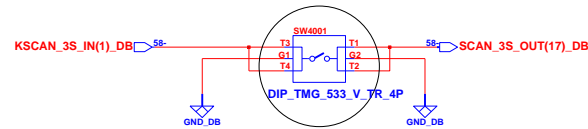
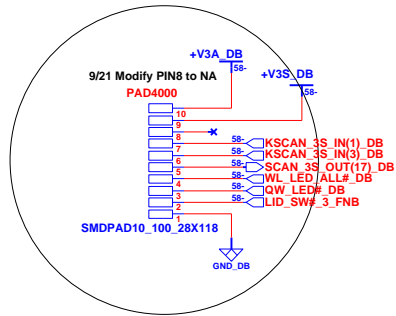
TITLE
JOURNEY

SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2465201-0-MT	R02

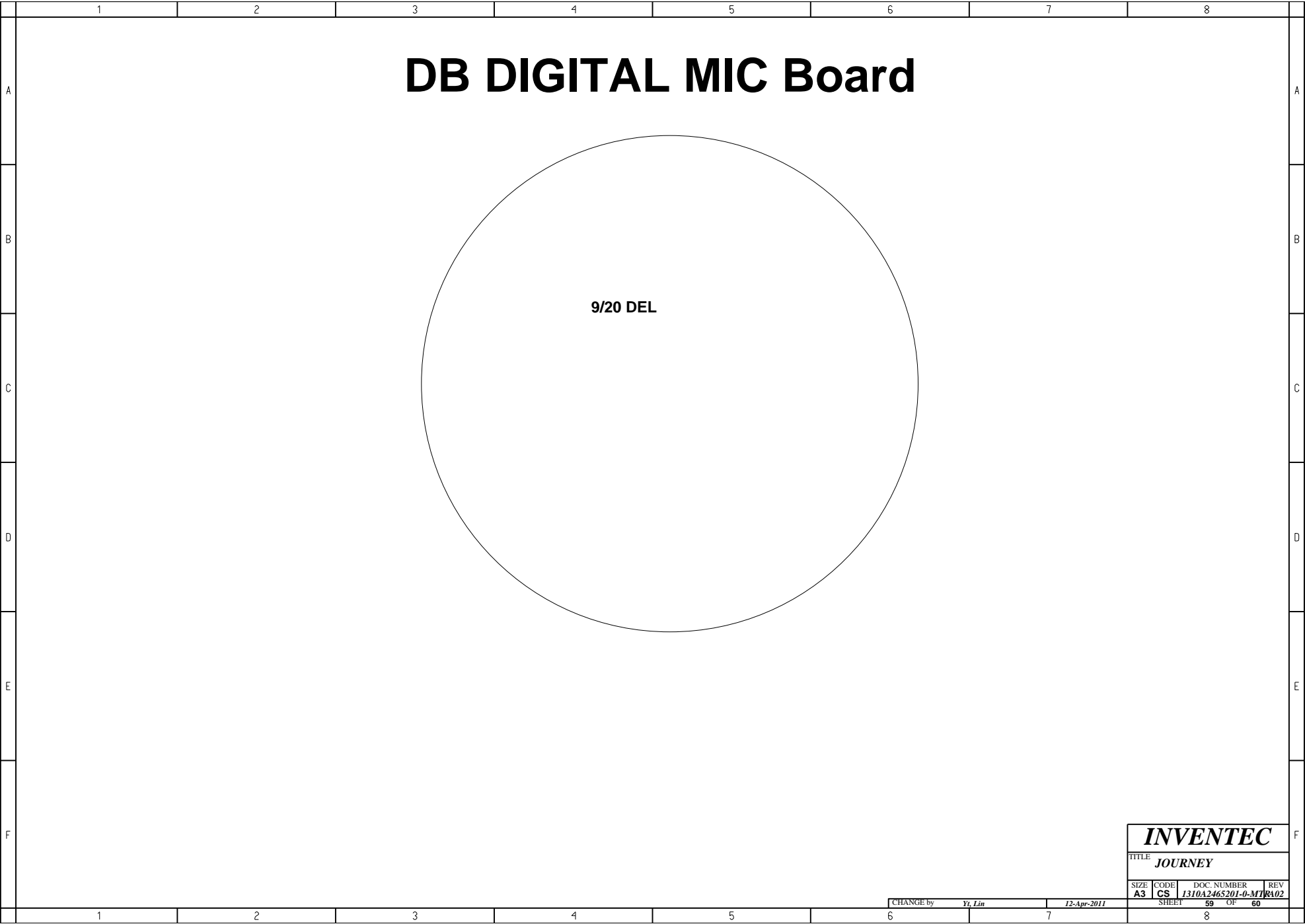
CHANGE by Yt Lin 12-Apr-2011

SHEET 57 OF 60

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



INVENTEC				
TITLE JOURNEY				
SIZE A3	CODE CS	DOC. NUMBER 1310A2465201-0-MT	REV R002	
CHANGE by Yt Lin		12-Apr-2011		
SHEET 58		OF 60		



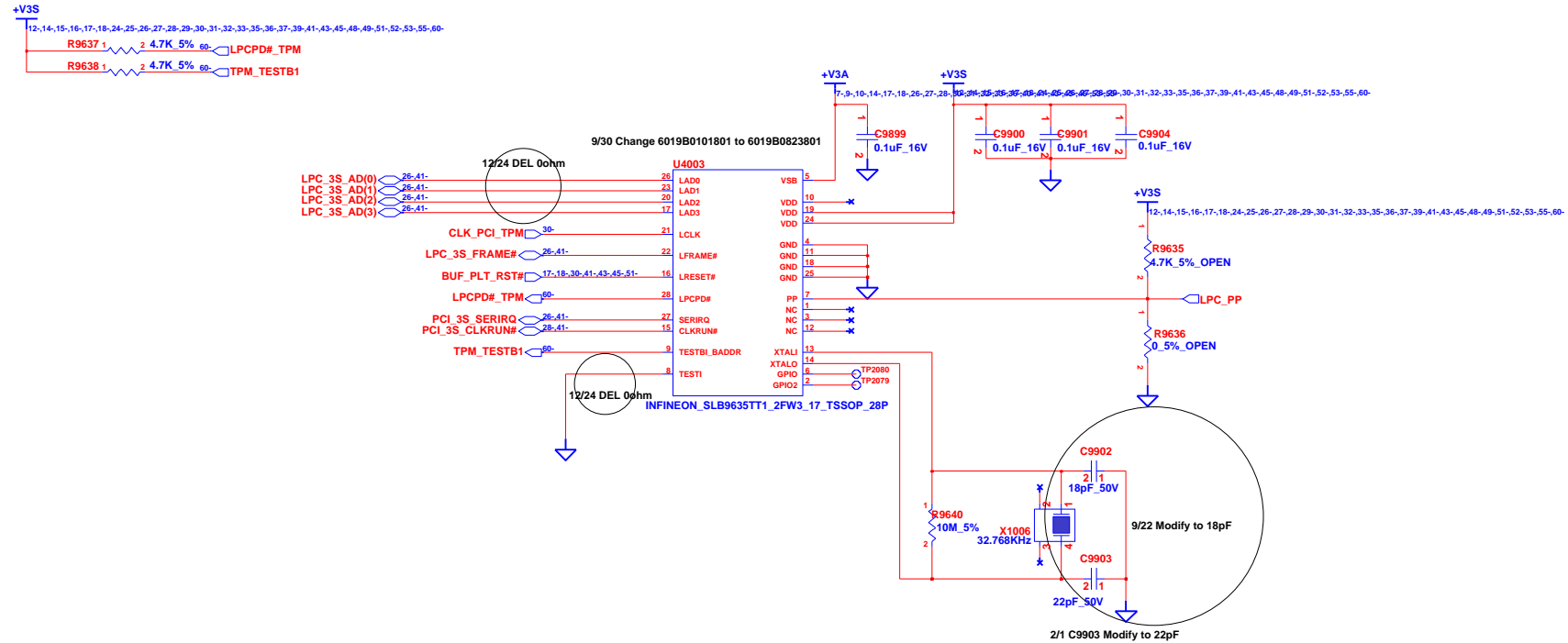
INVENTEC

TITLE **JOURNEY**

SIZE A3	CODE CS	DOC. NUMBER 1310A2465201-0-MT	REV R02
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CHANGE by **Yt, Lin** 12-Apr-2011

SHEET 59 OF 60



INVENTEC

TITLE			
JOURNEY			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2465201-0-MT	R102
SHEET		60	OF 60

CHANGE by Yt Lin 12-Apr-2011