

	1	2	3	4	5	6	7	8																																																																												
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B	HSF Property : Halogen-Free								B																																																																											
C	<div>JOURNEY</div> <div>www.aitech1.ru</div> <div>SI2 BUILD</div> <div>2010.10.13</div>								C																																																																											
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	1	2	3	4	5	6	7	8																																																																												

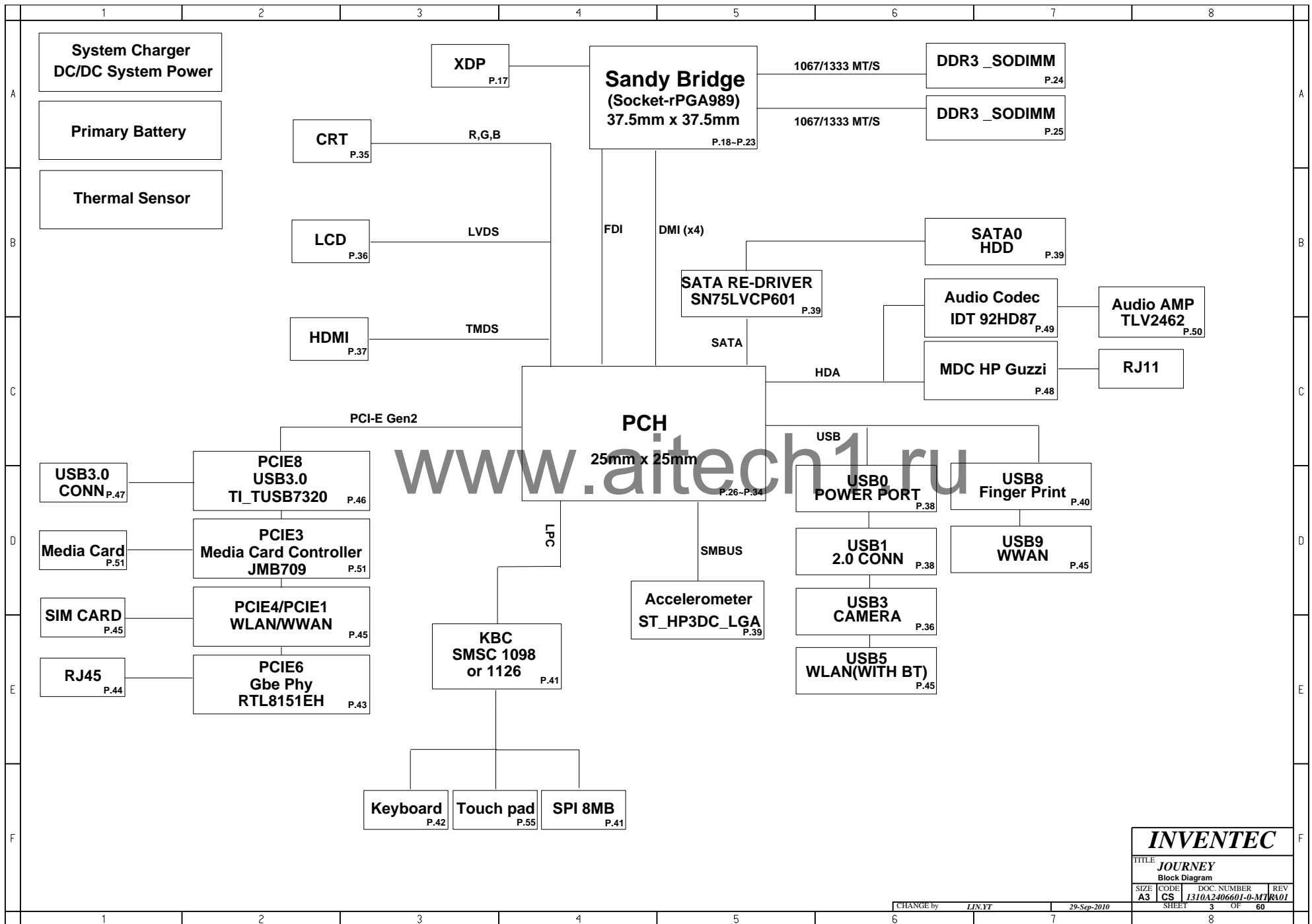
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INVENTEC

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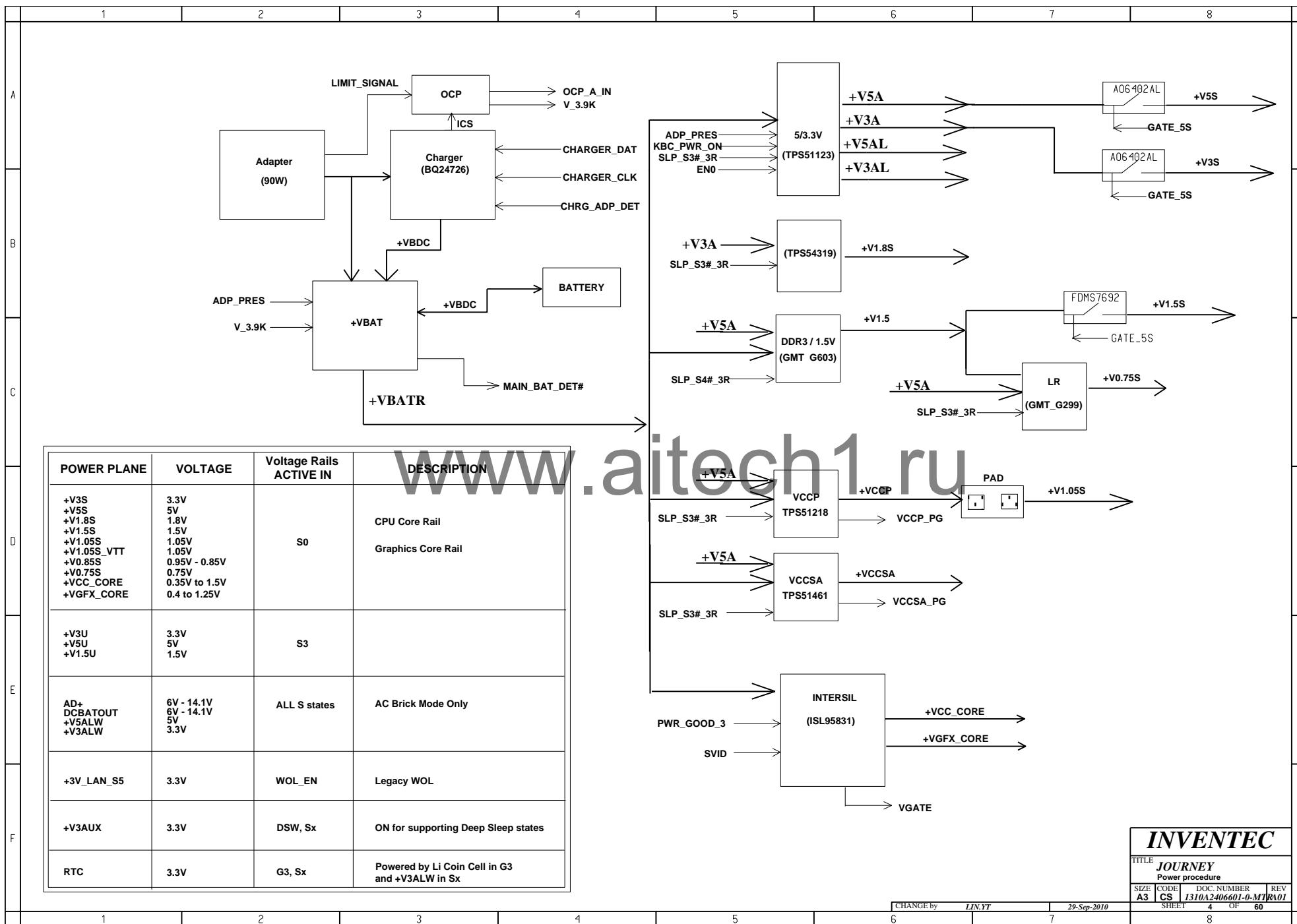
CHANGE by **LIN.YT** 29-Sep-2010



INVENTEC

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



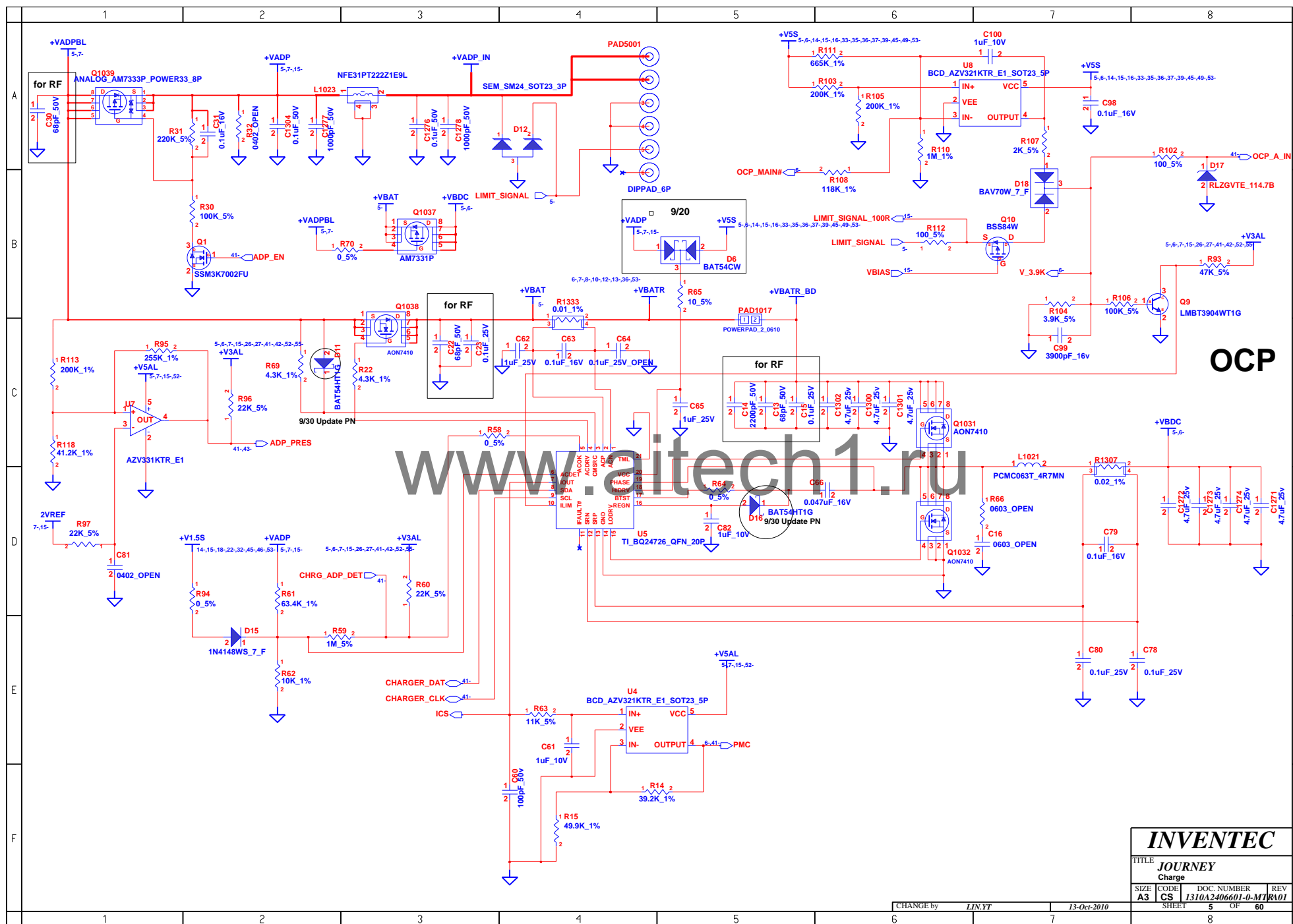
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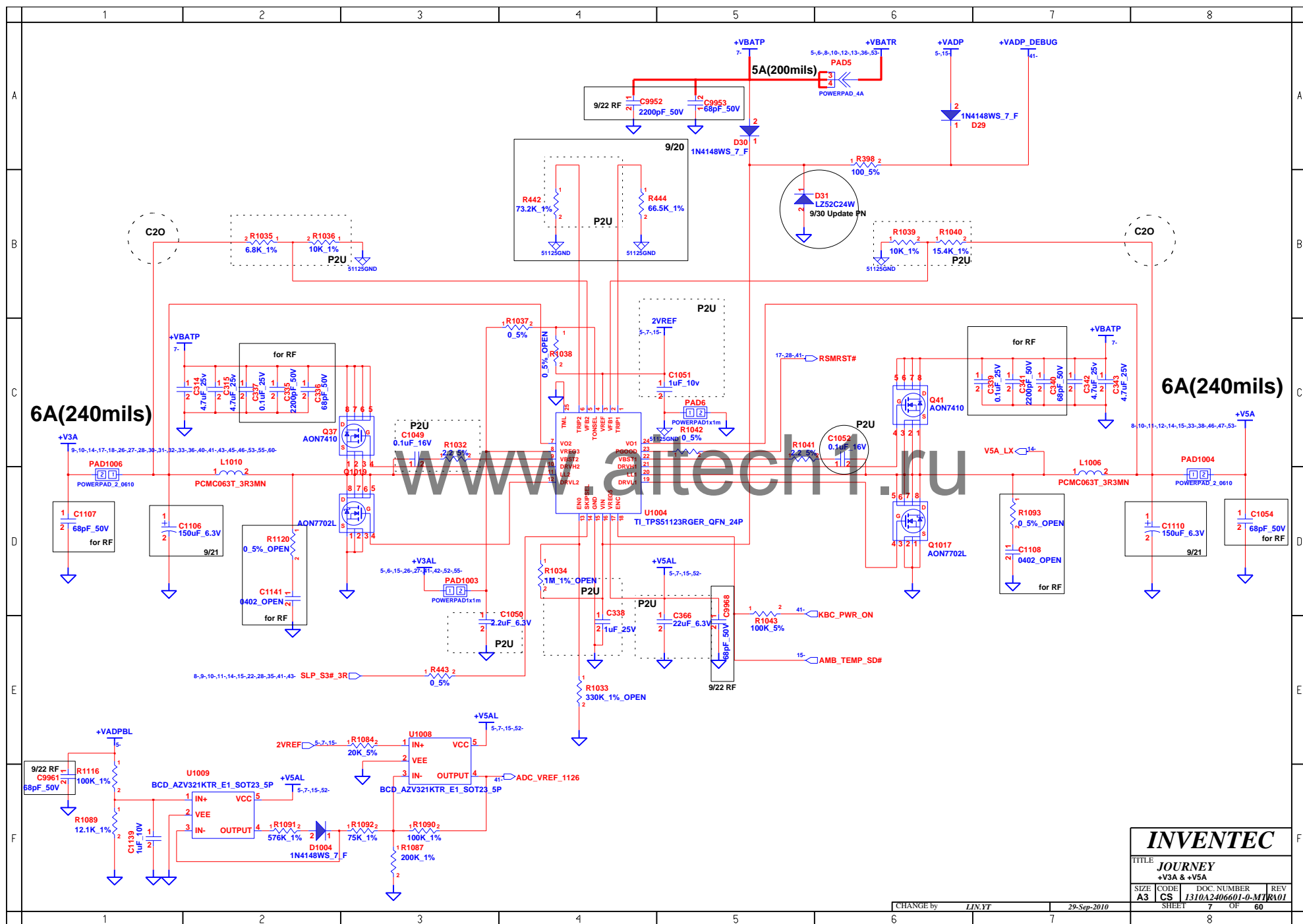
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Power procedure

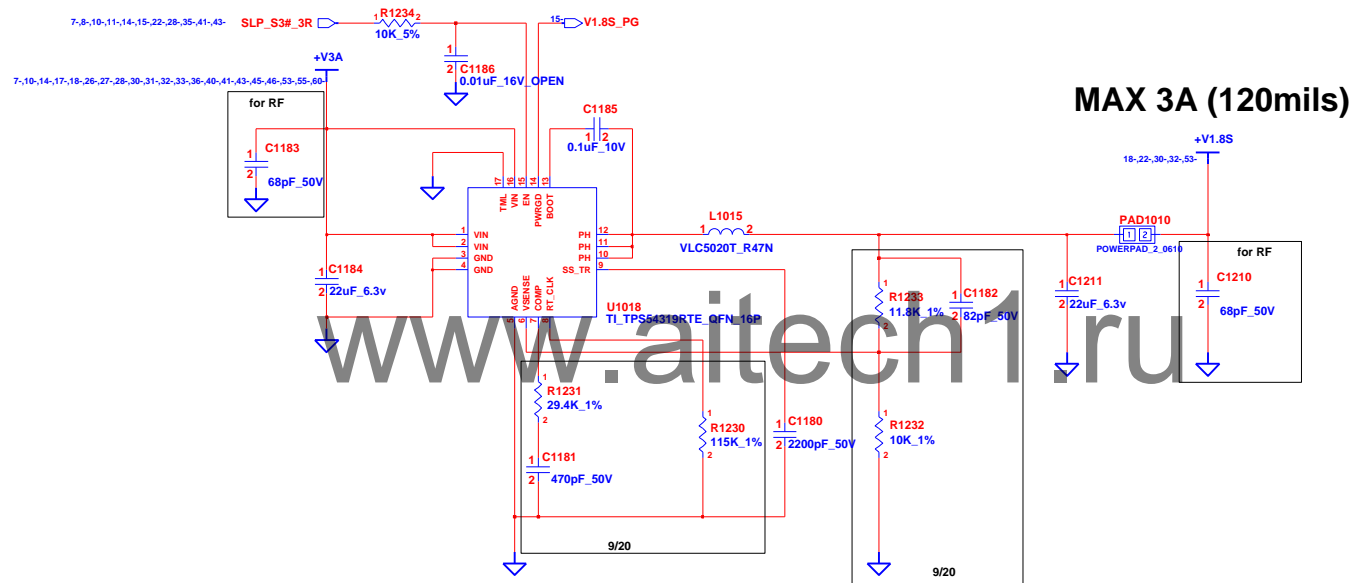
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CHANGE by: **LIN.YT** 29-Sep-2010

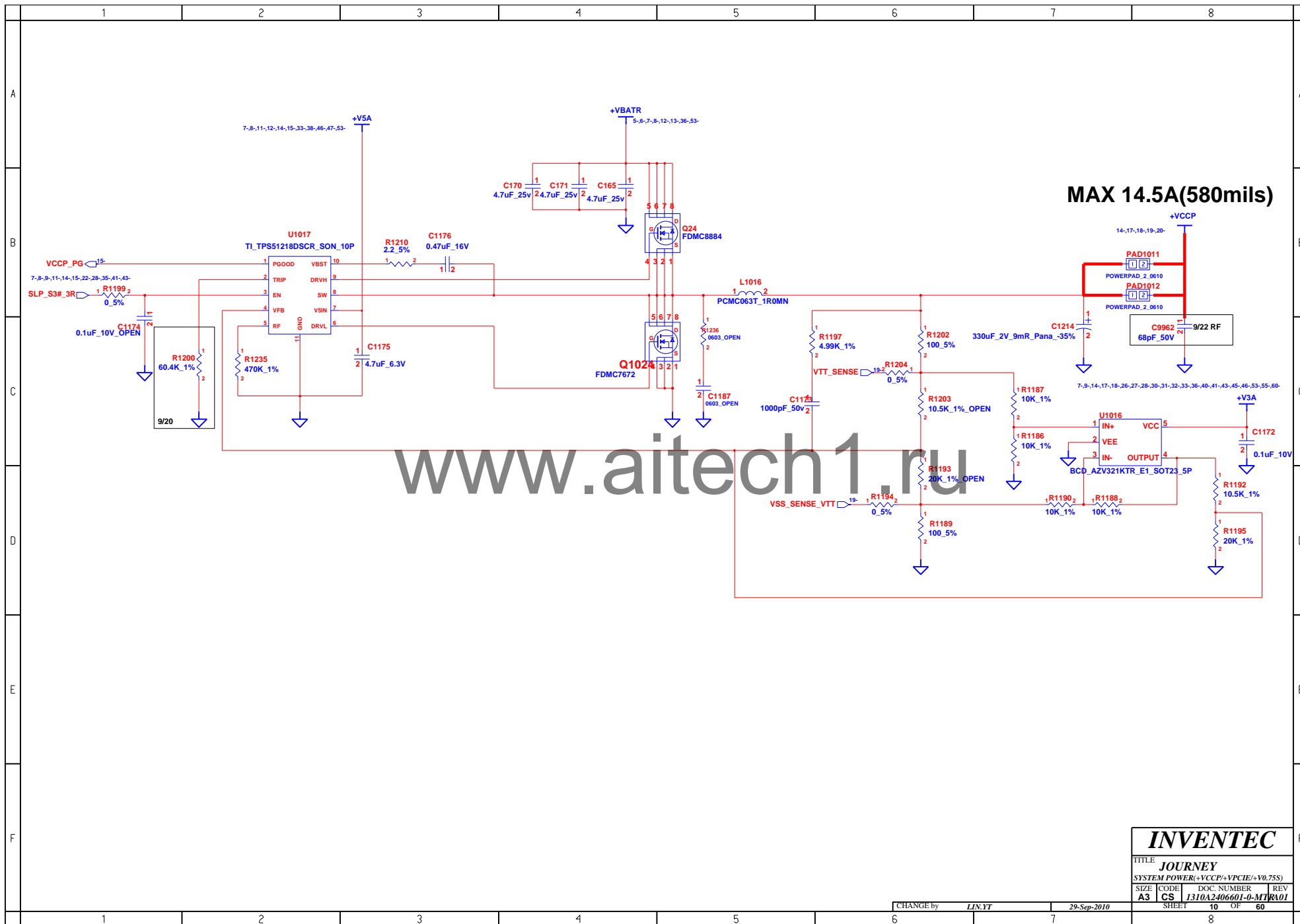
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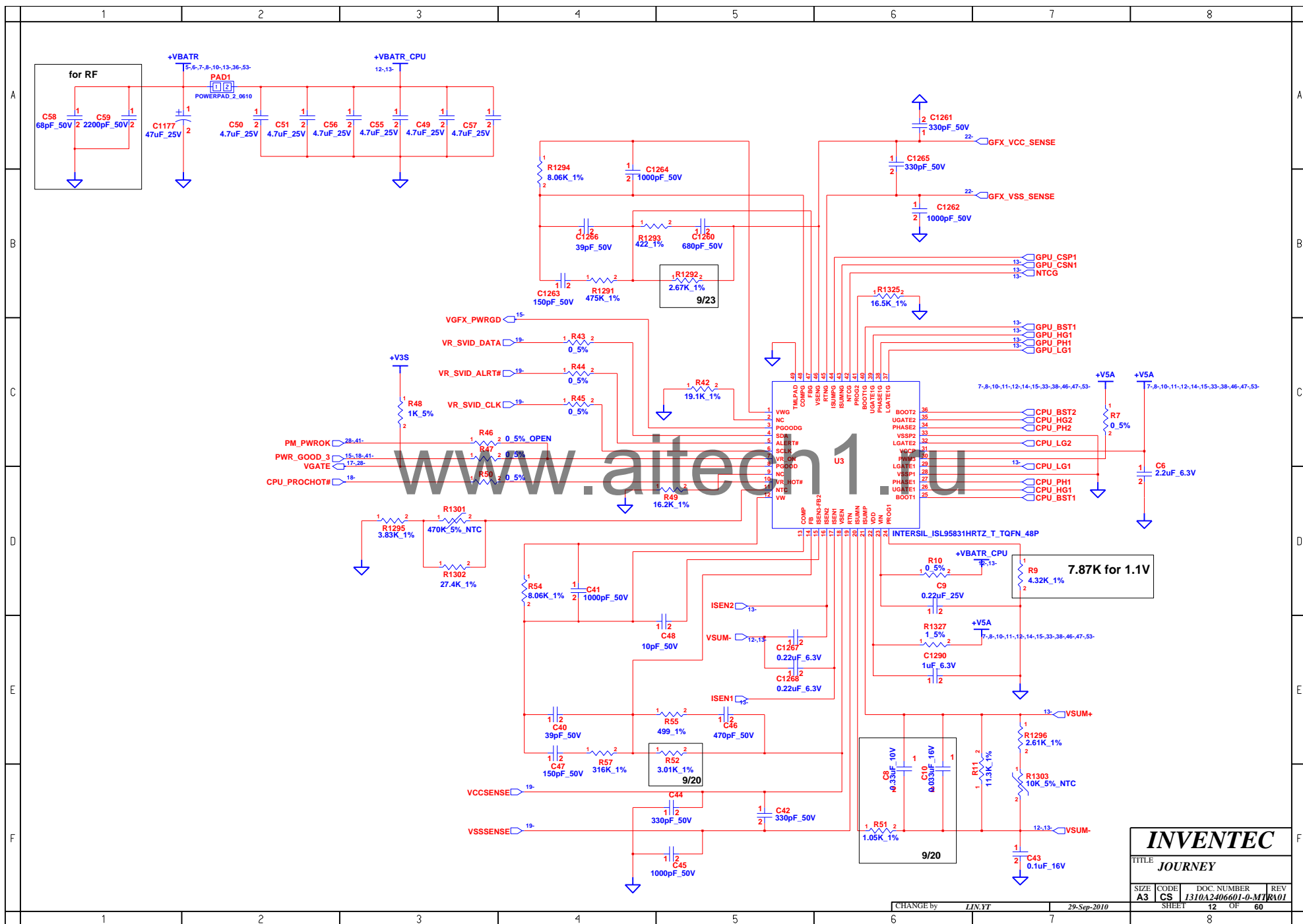




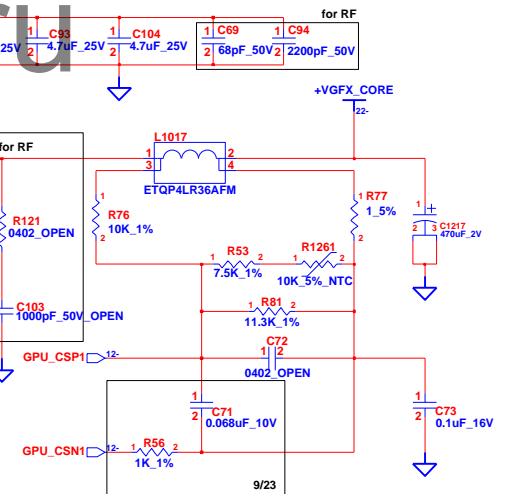
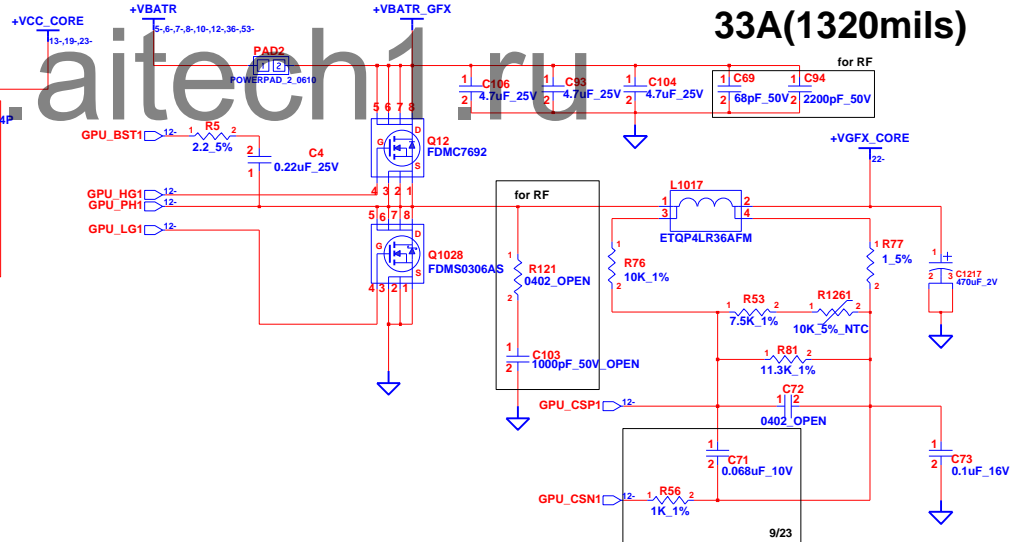
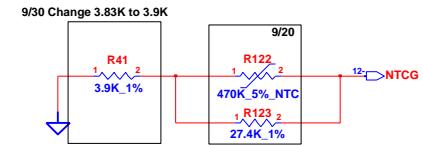
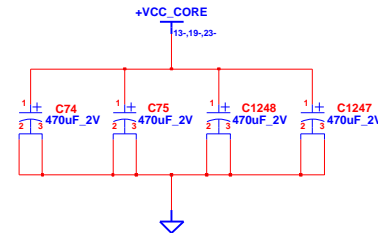
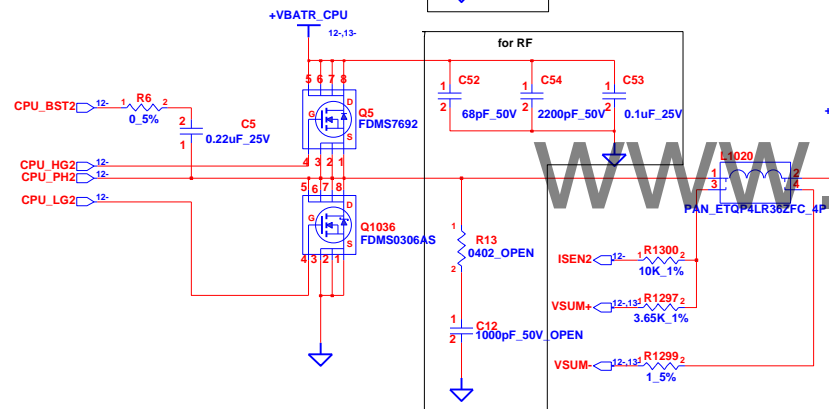
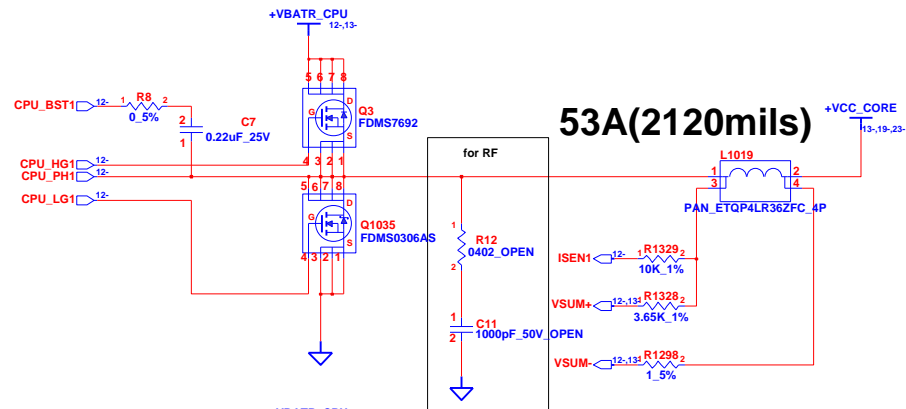


INVENTEC			
TITLE JOURNEY			
GPU POWER(VDD_CORE/+V1.8S)			
SIZE A3	CODE CS	DOC. NUMBER 1310A2406601-0-MT	REV R01
CHANGE by LIN.YT		29-Sep-2010	
SHEET 9		OF 60	





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



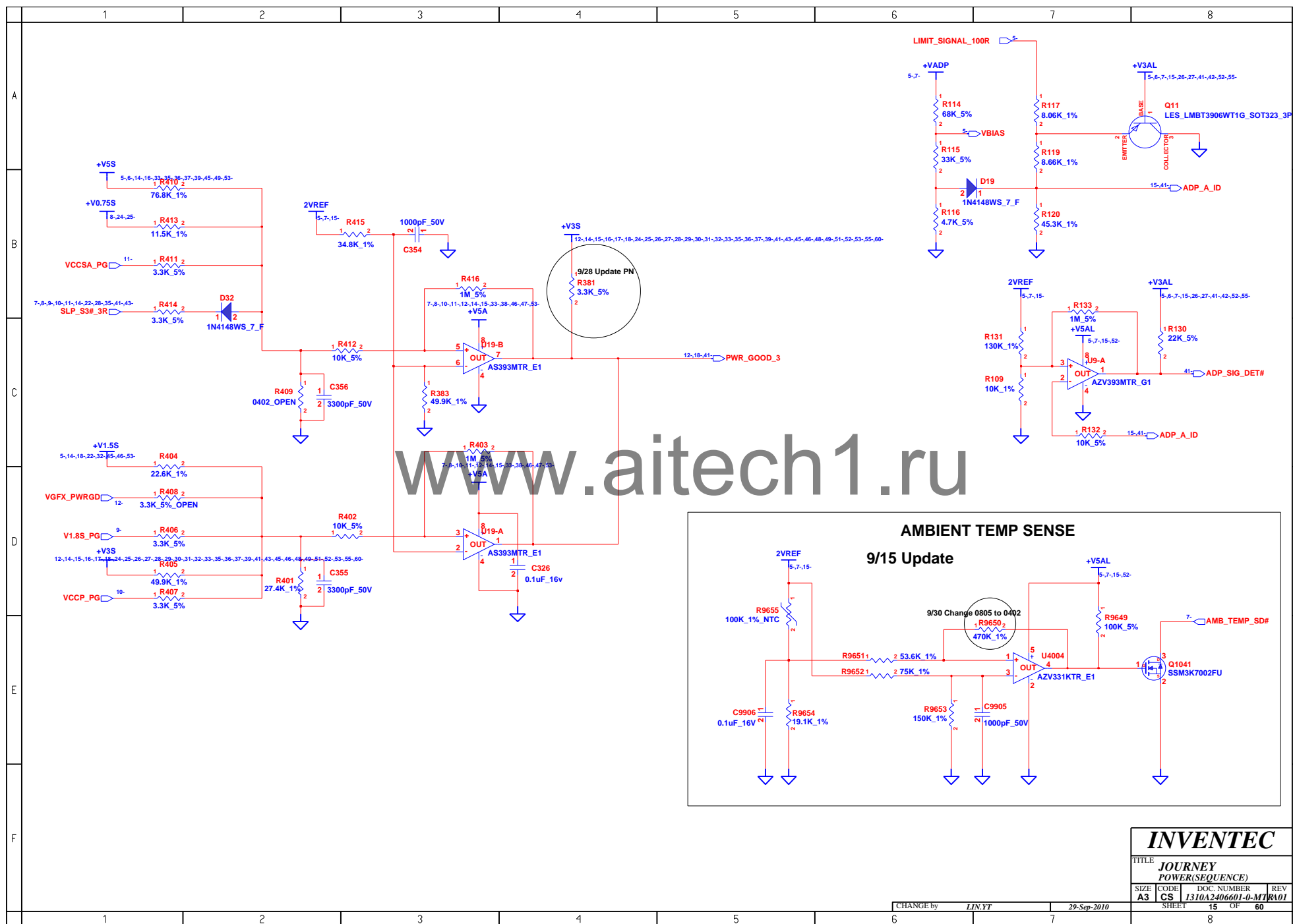
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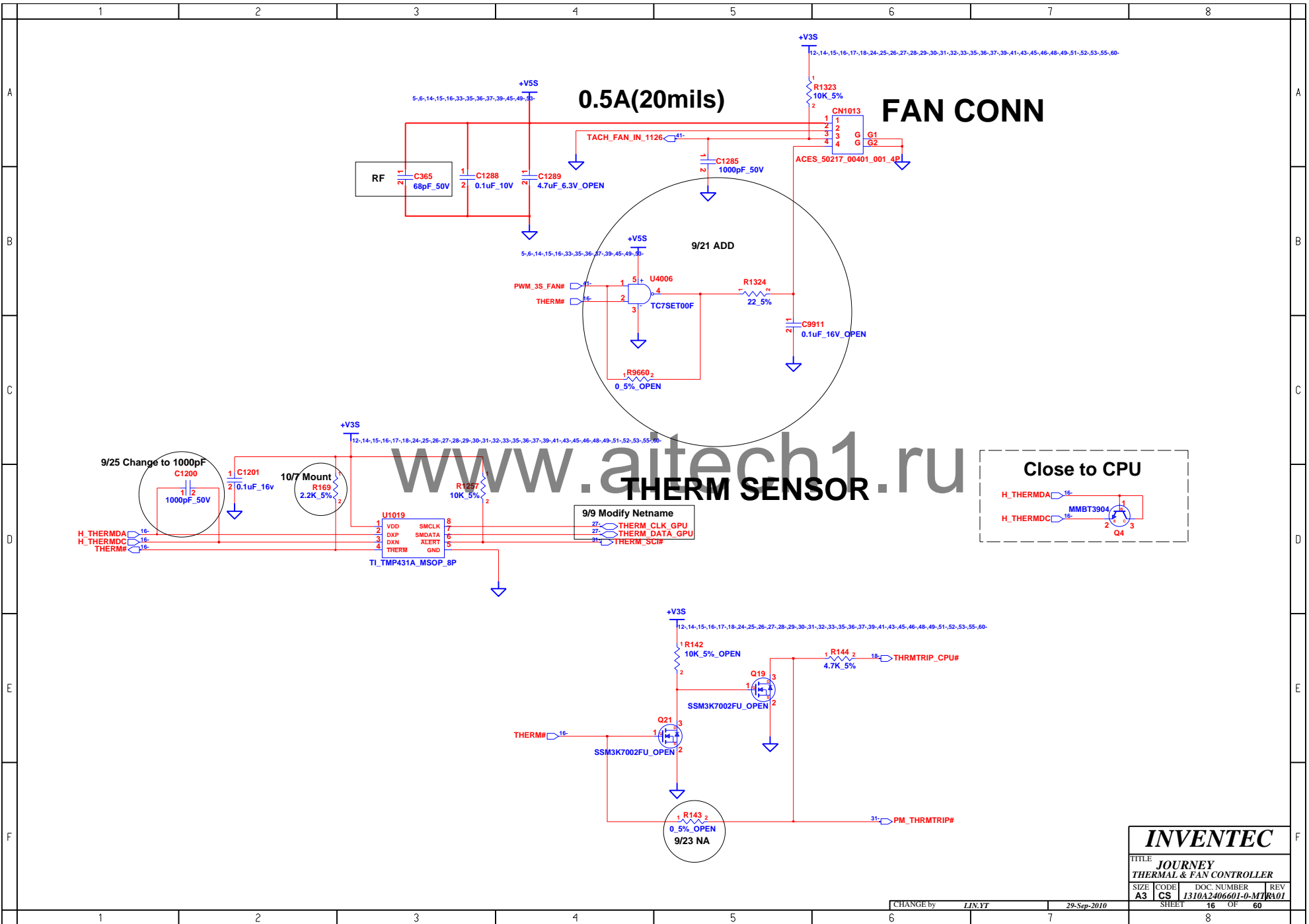
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CHANGE by: **LIN.YT** 29-Sep-2010

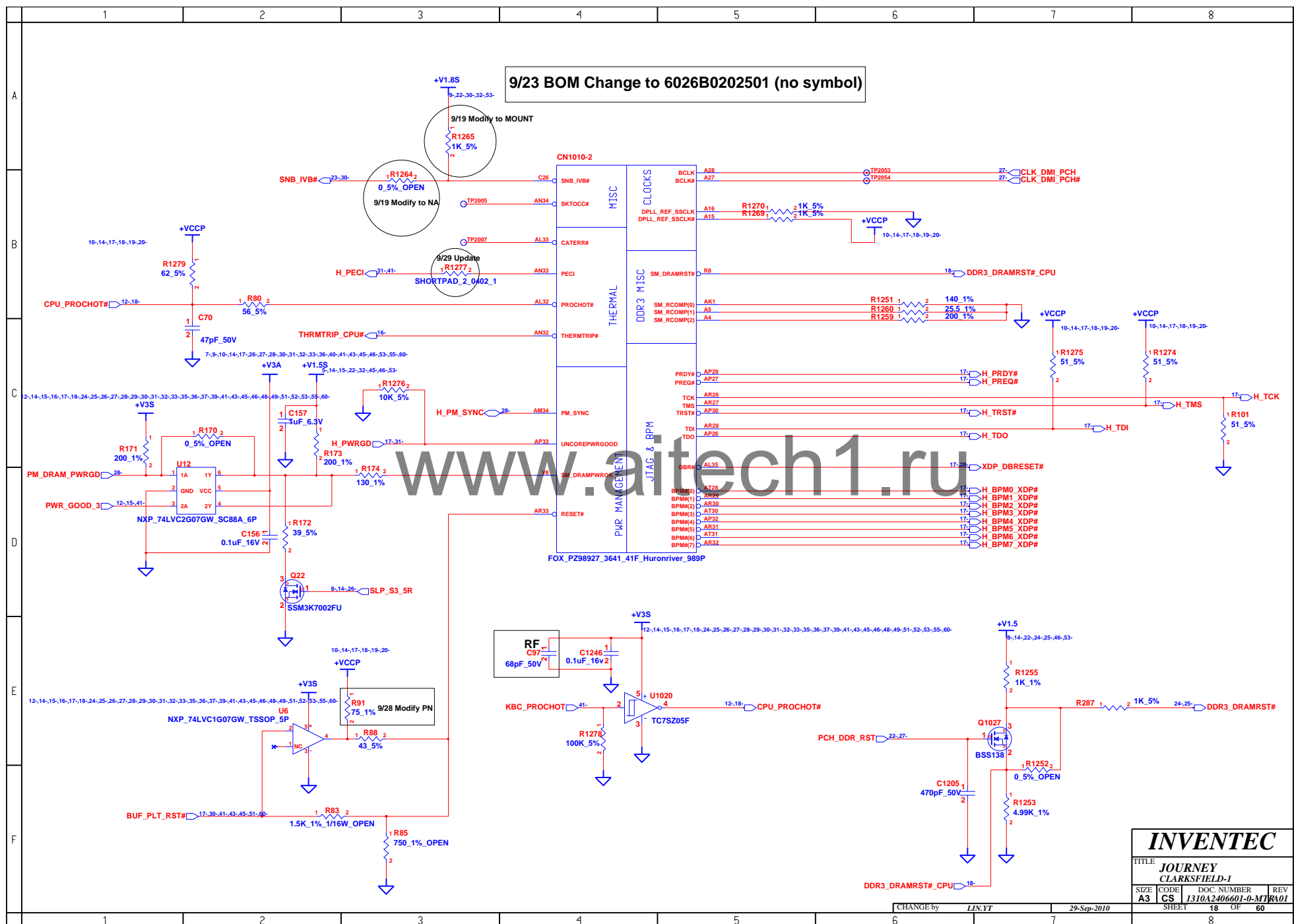
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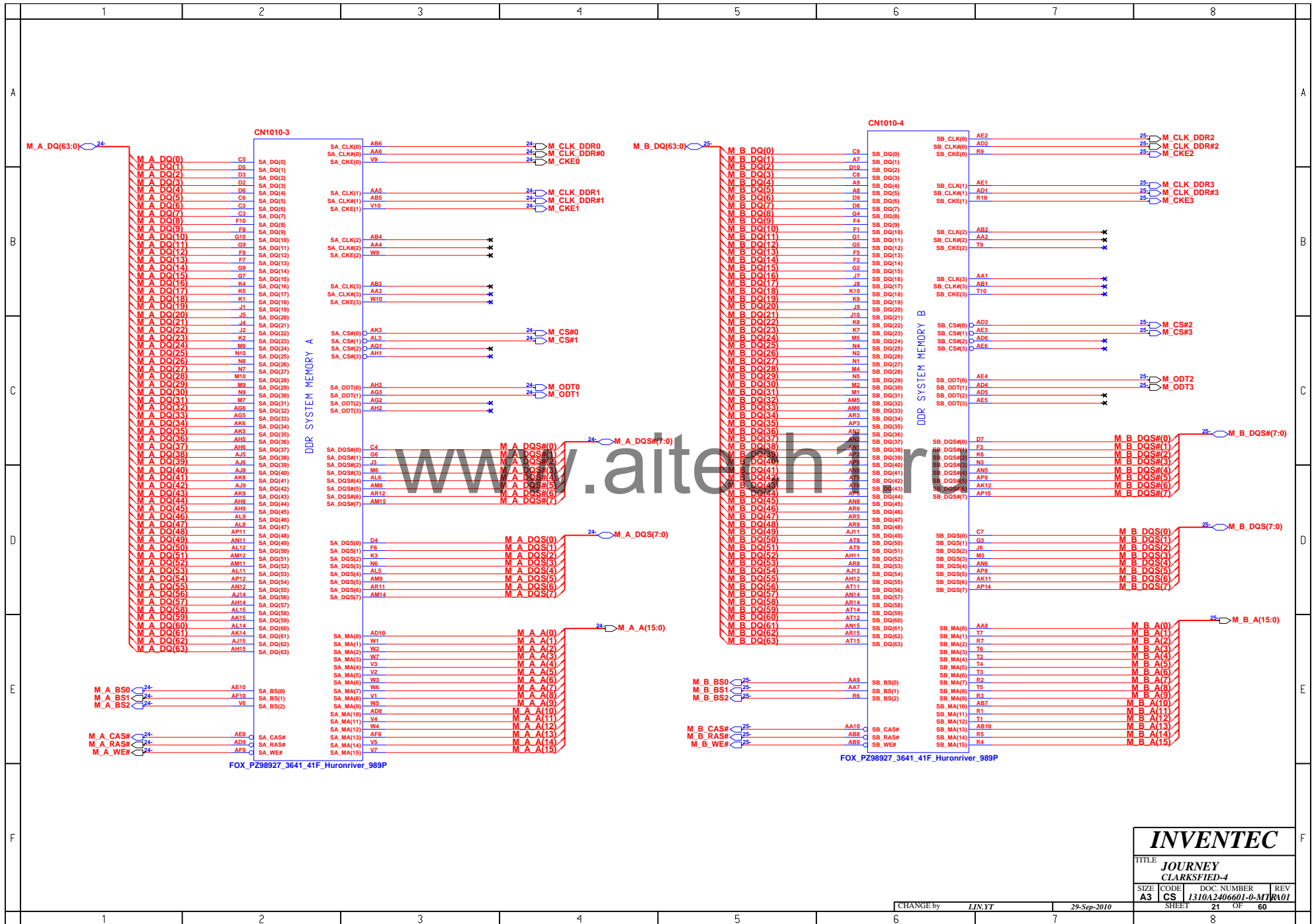




INVENTEC			
TITLE: JOURNEY			
THERMAL & FAN CONTROLLER			
SIZE: A3	CODE: CS	DOC. NUMBER: 1310A2406601-0-MT	REV: R01
SHEET: 16		OF: 60	

CHANGE by: LIN.YT 29-Sep-2010

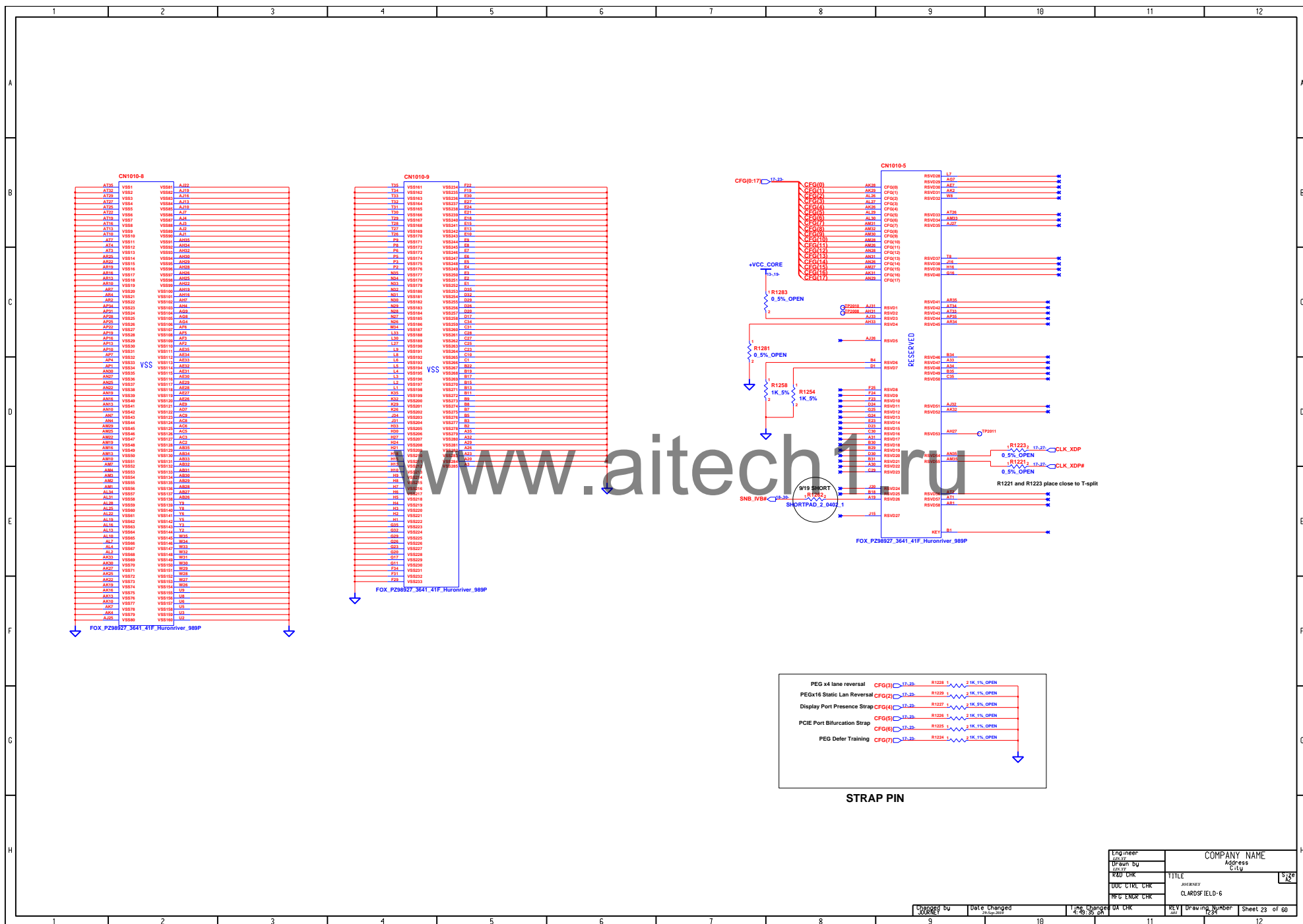


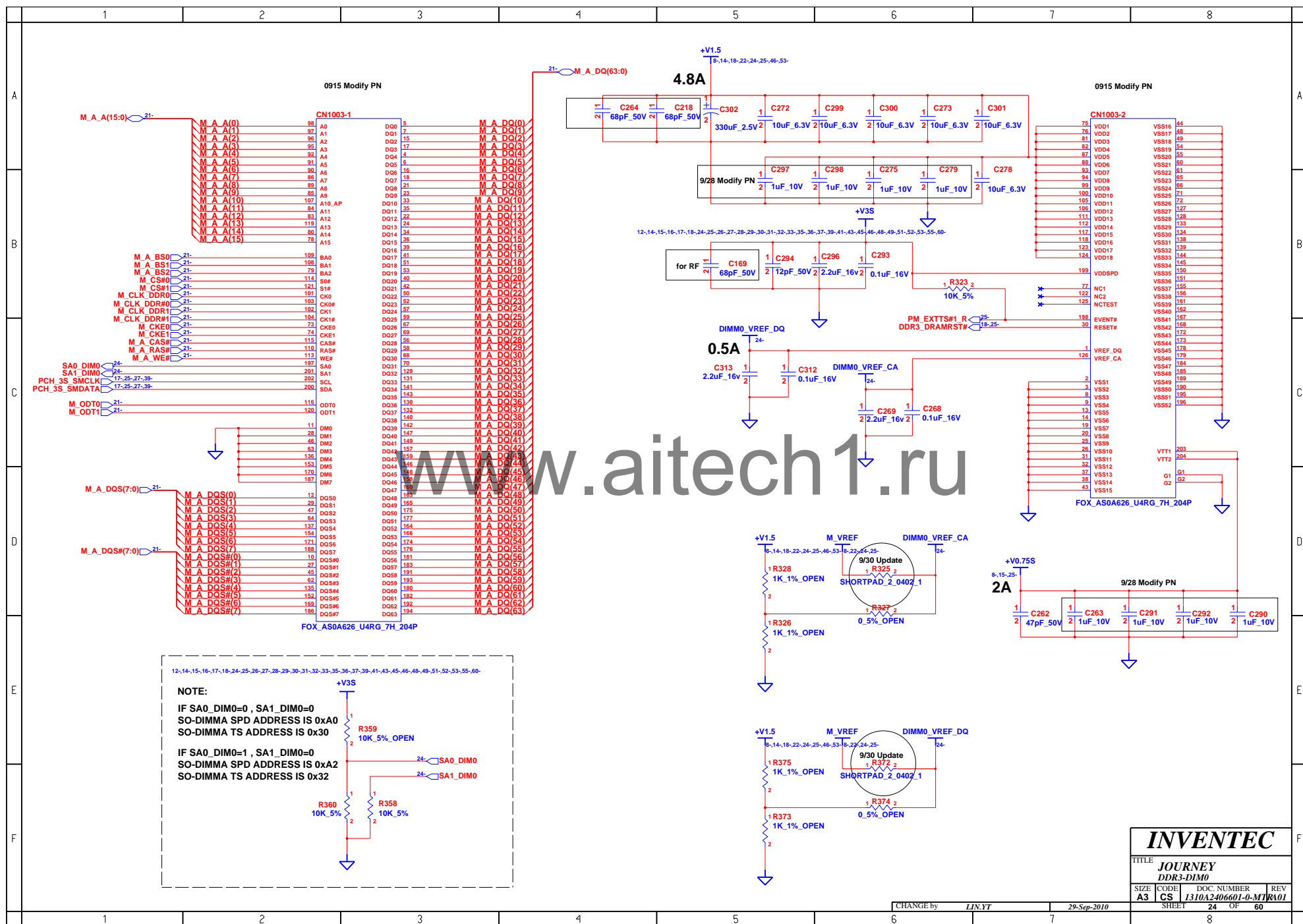


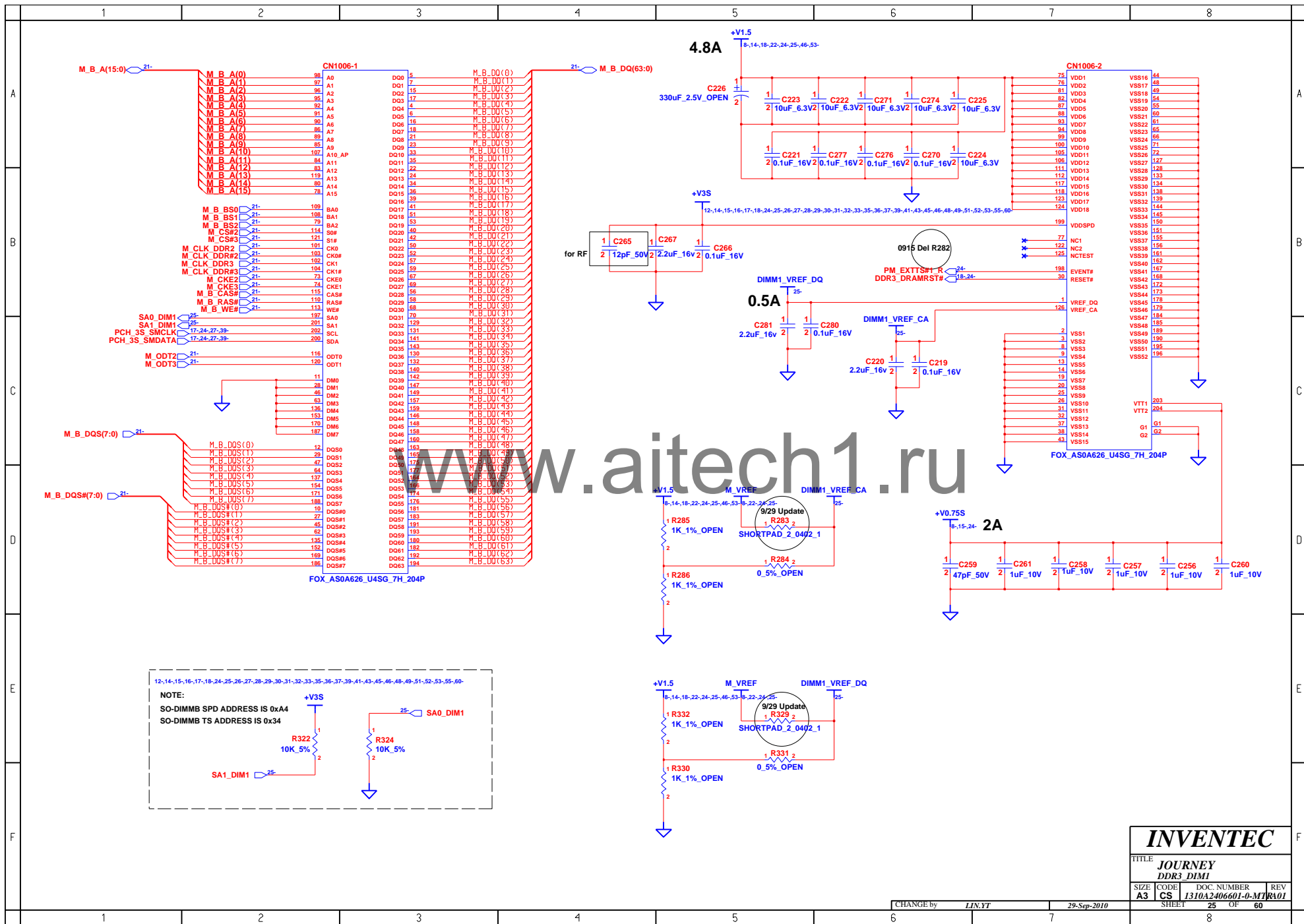
INVENTEC

TITLE: JOURNEY CLARKSFIED-4			
SIZE: A3	CODE: CS	DOC. NUMBER: 1310A2406601-0-MT	REV: R01
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CHANGE by: LIN.YT 29-Sep-2010



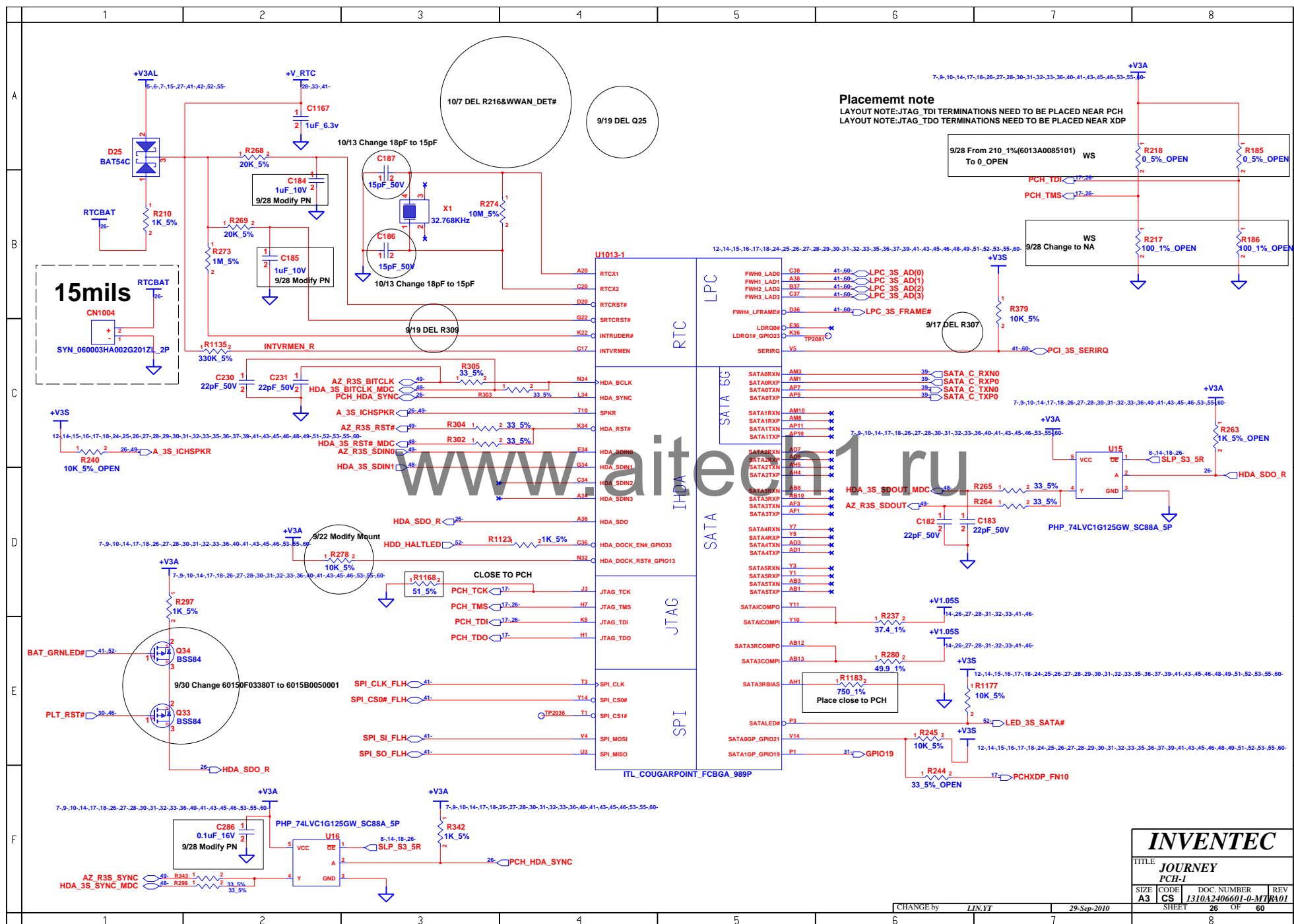


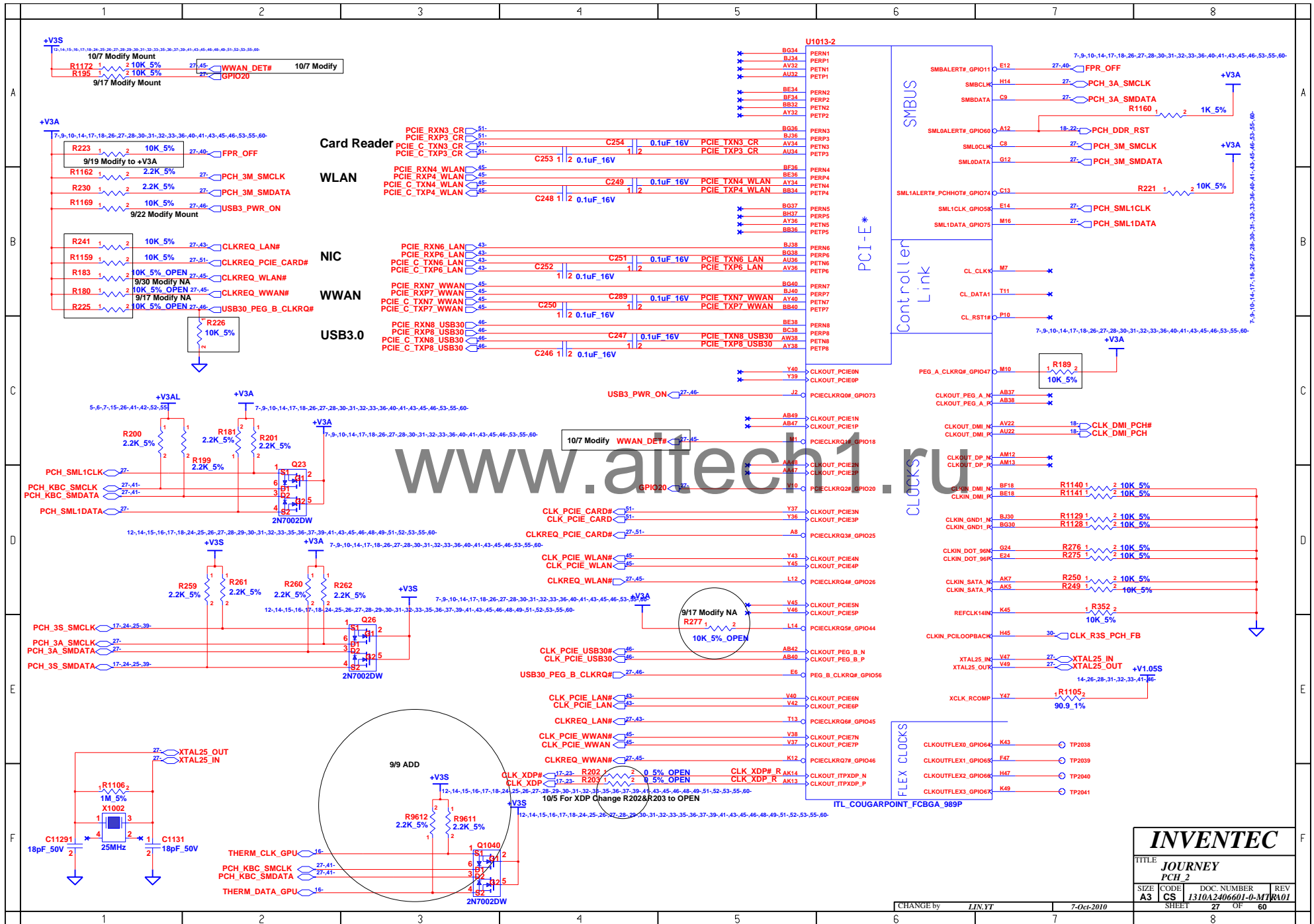


INVENTEC

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



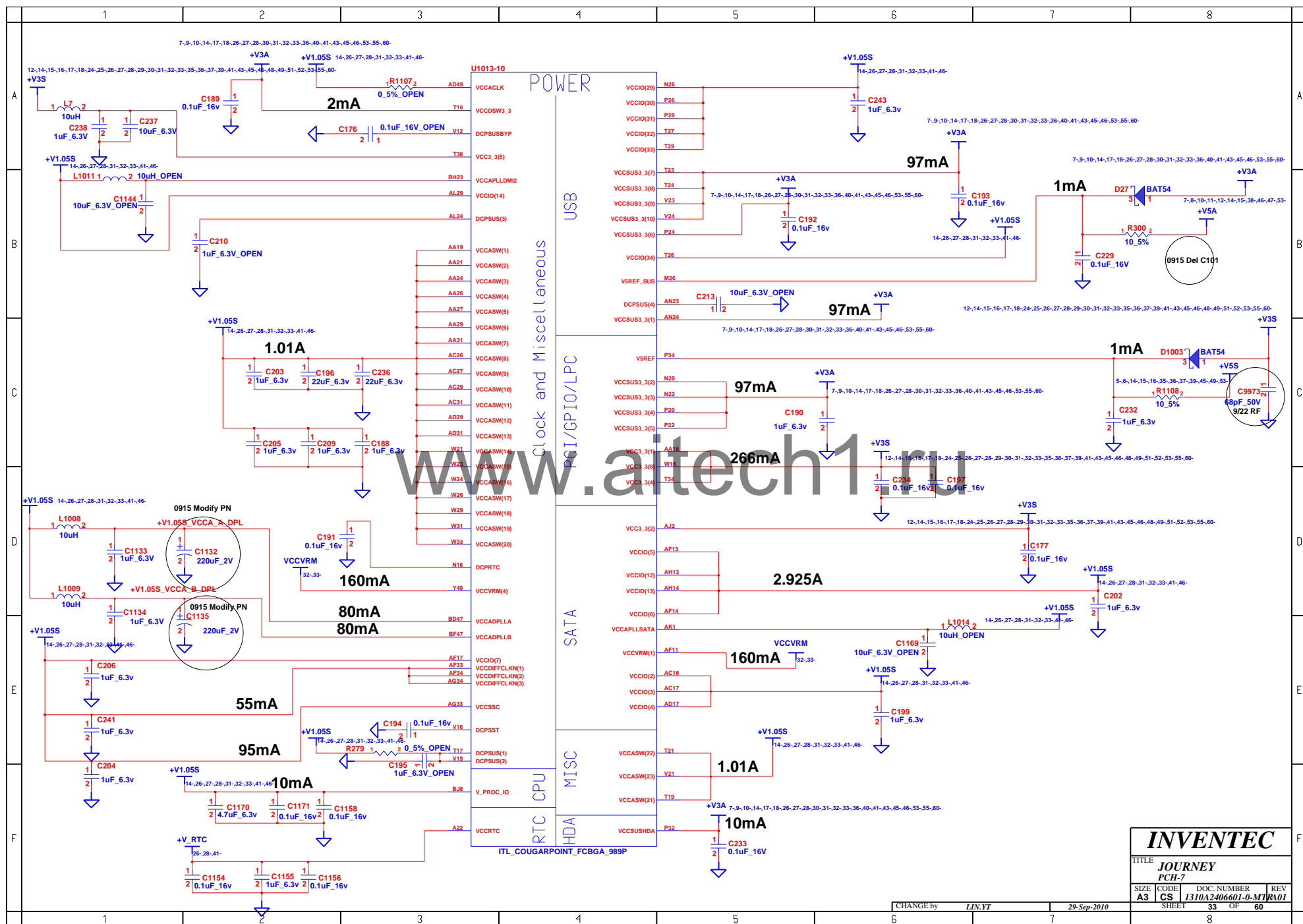


A



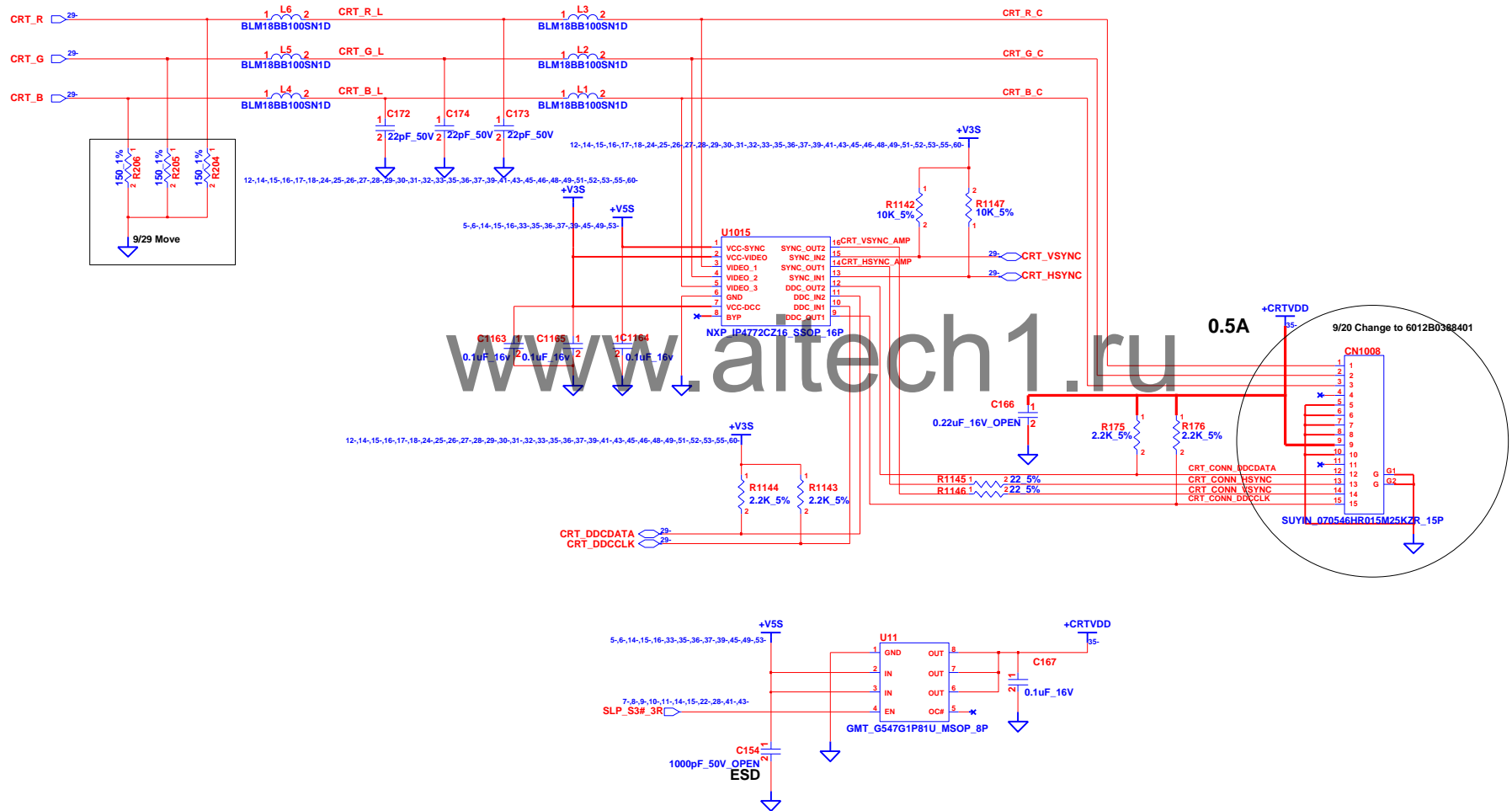
E

E



[illegible]

CRT

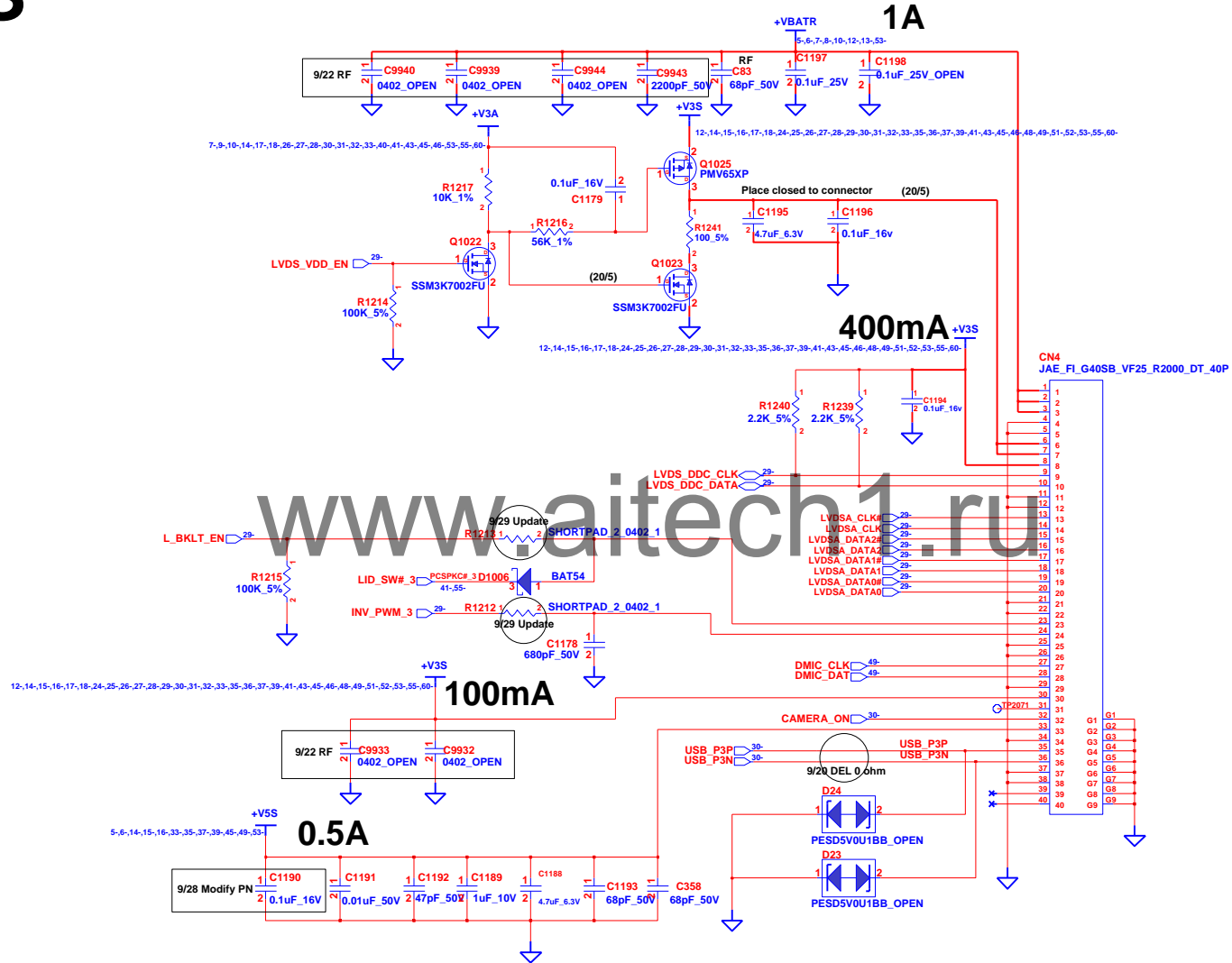


INVENTEC

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

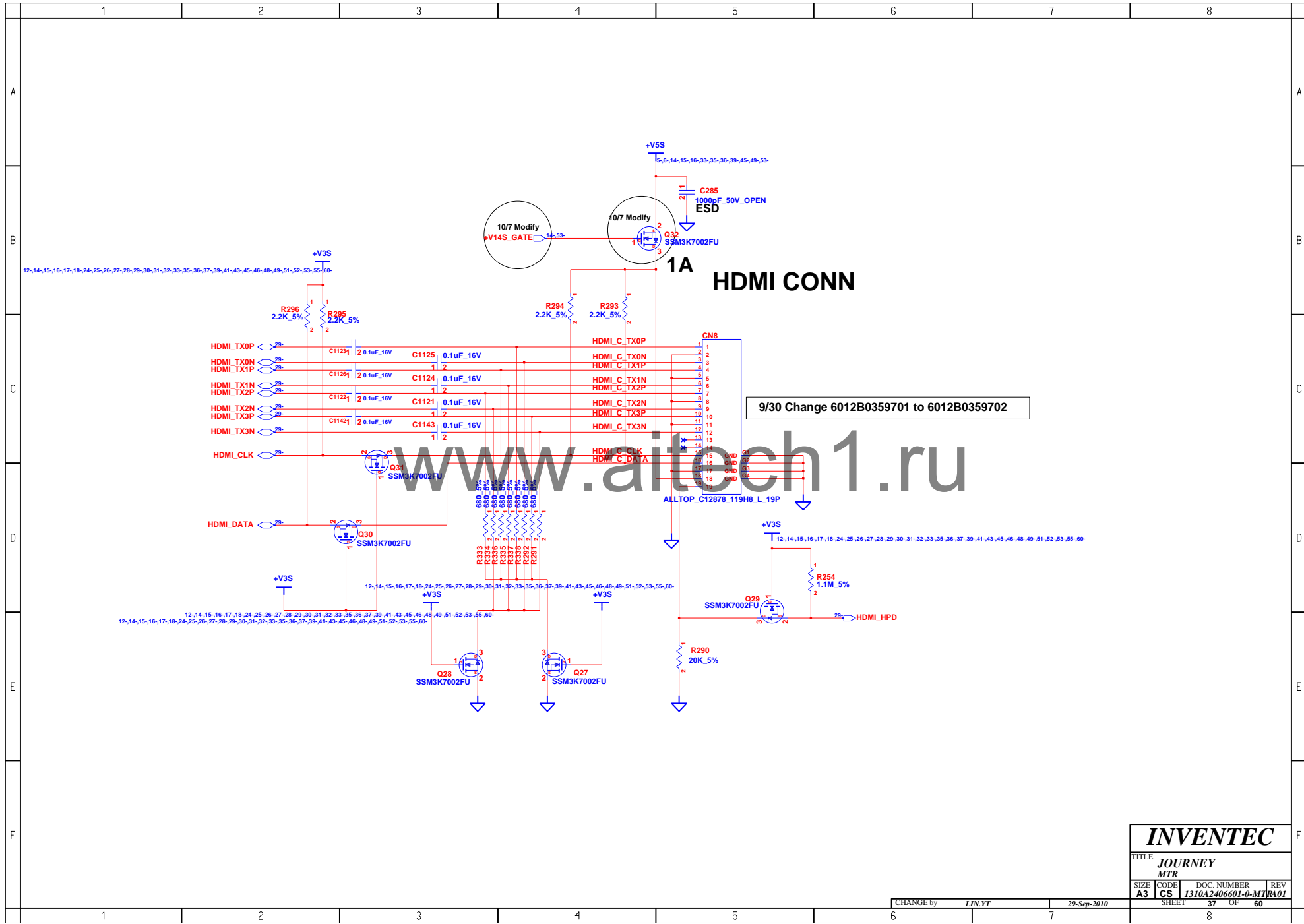
LVDS



INVENTEC

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



INVENTEC

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

A



A



2



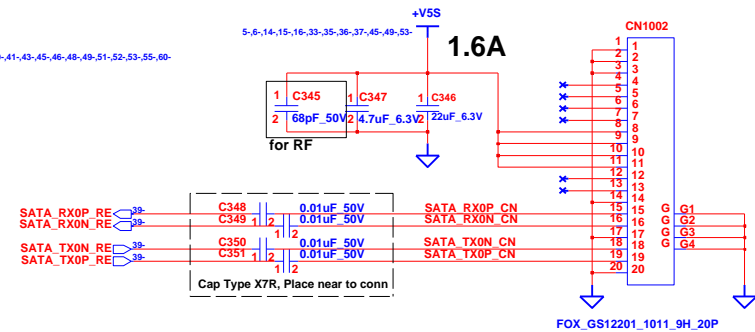
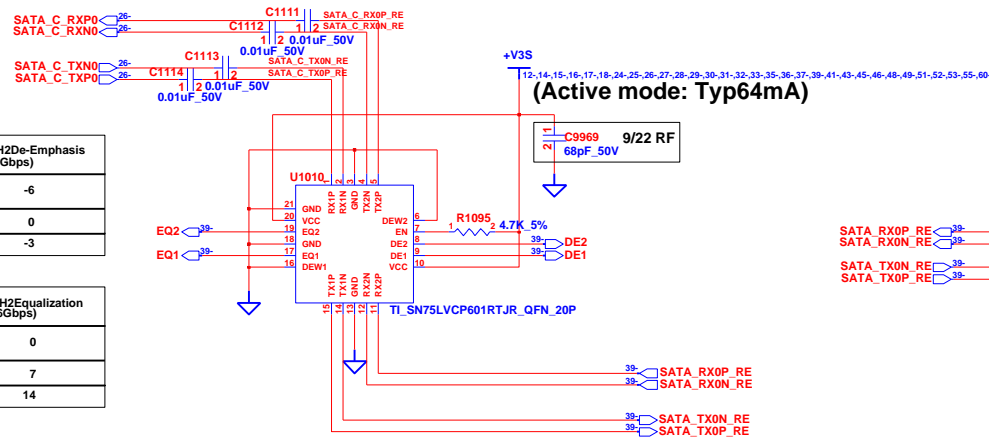
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F

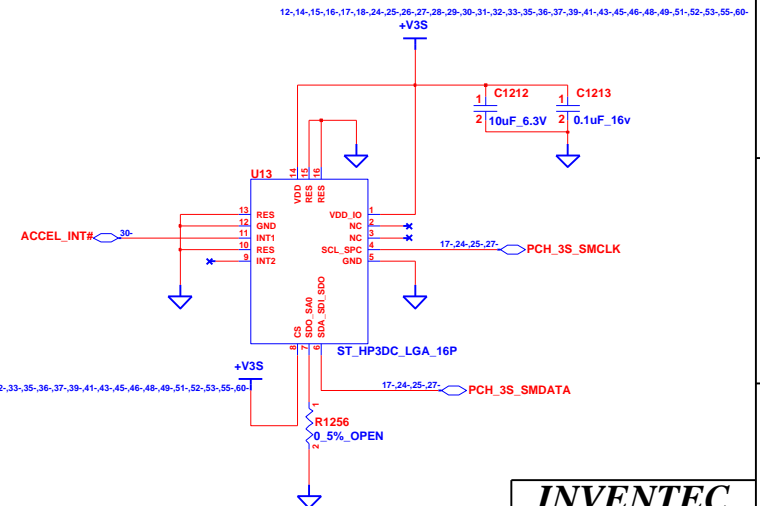
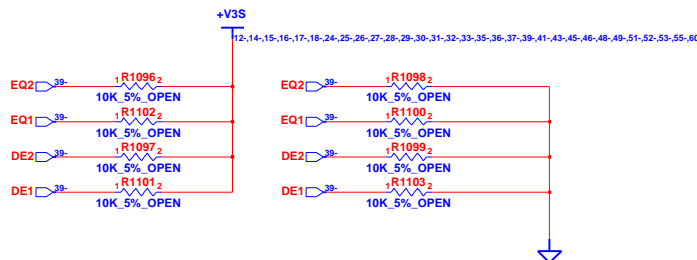
SATA HDD CONN & G-SENSOR

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



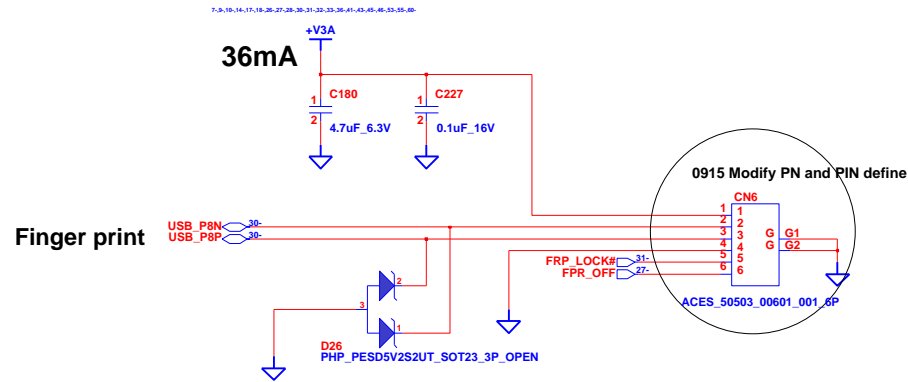
www.aitech1.ru ACCELEMETOR



INVENTEC

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

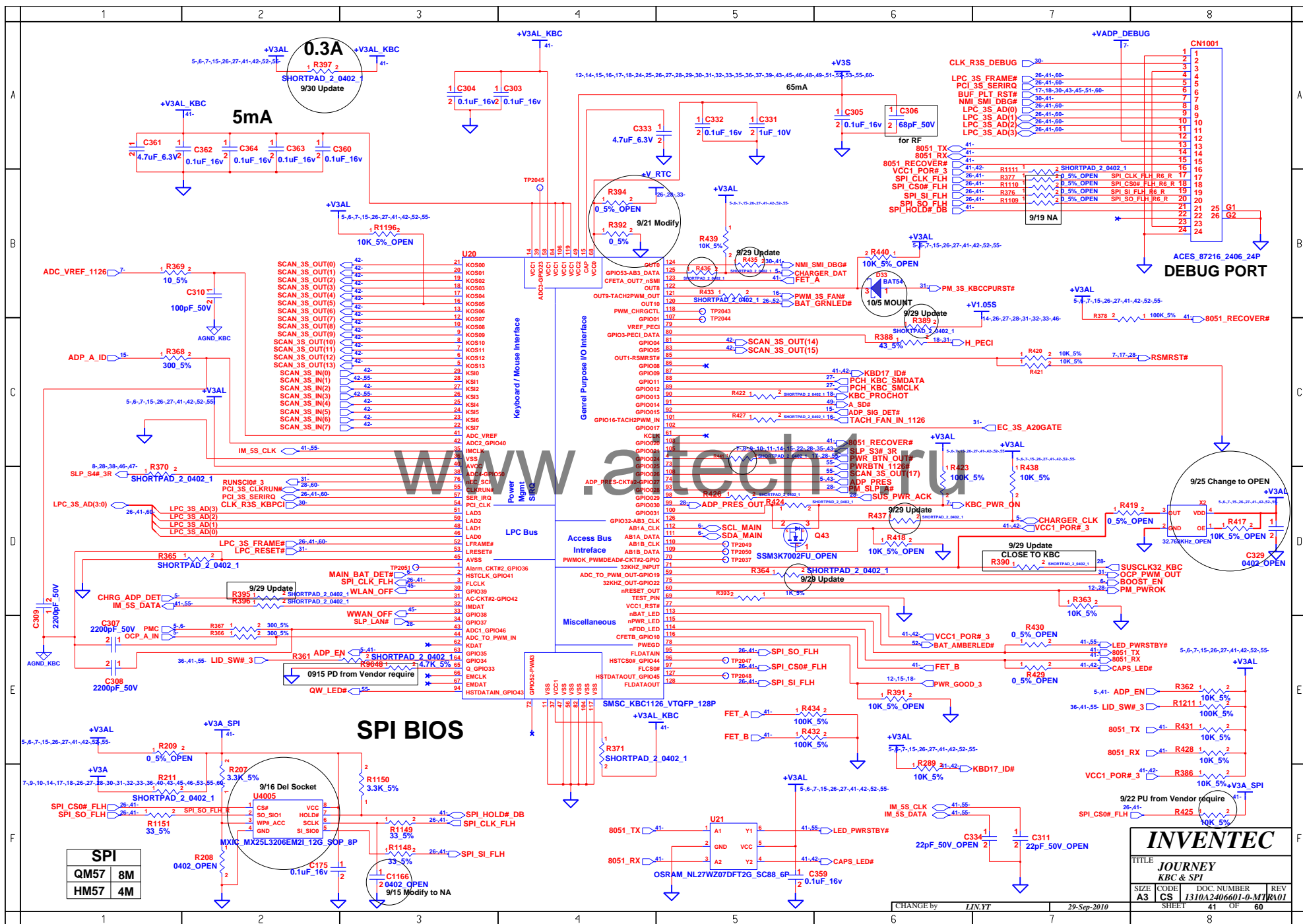
MB to FP BOARD

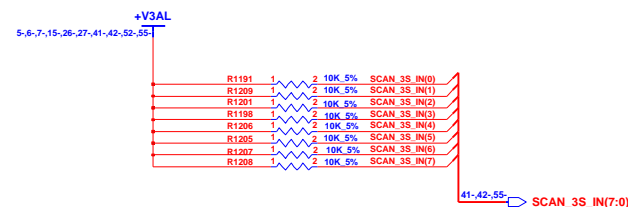
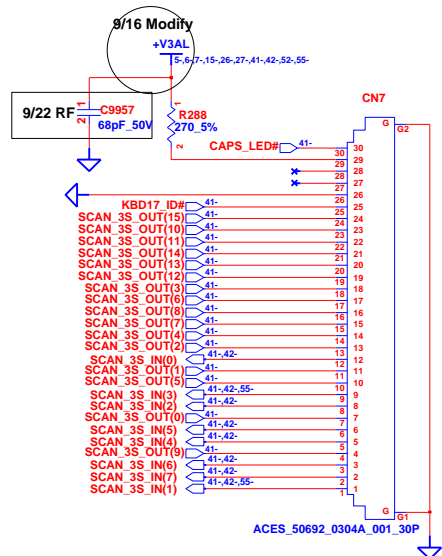


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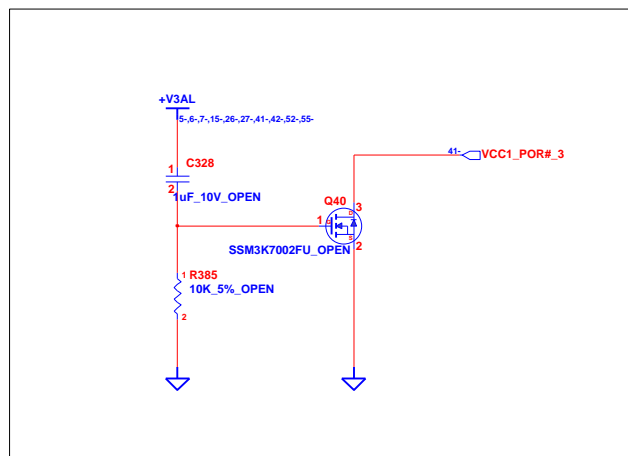
INVENTEC			
TITLE JOURNEY			
BLUETOOTH & FINGER PRINTER			
SIZE A3	CODE CS	DOC. NUMBER 1310A2406601-0-MT	REV R01
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CHANGE by LIN.YT 29-Sep-2010





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CLOSE TO KBC

INVENTEC			
TITLE			
JOURNEY			
KEYBOARD & STICK POINT			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2406601-0-MT	R01
SHEET		42	OF 60

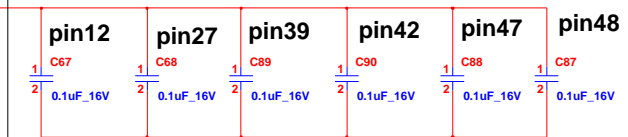
CHANGE by LIN.YT 29-Sep-2010

LAN

+V3_LAN rising time:1ms~100ms

0.5A

C7068 to C7090 are for +V3_LAN pins- 12, 27, 39, 42, 47, 48

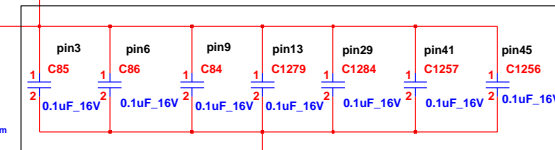


Placed near LAN Controller

Placed near LAN Controller

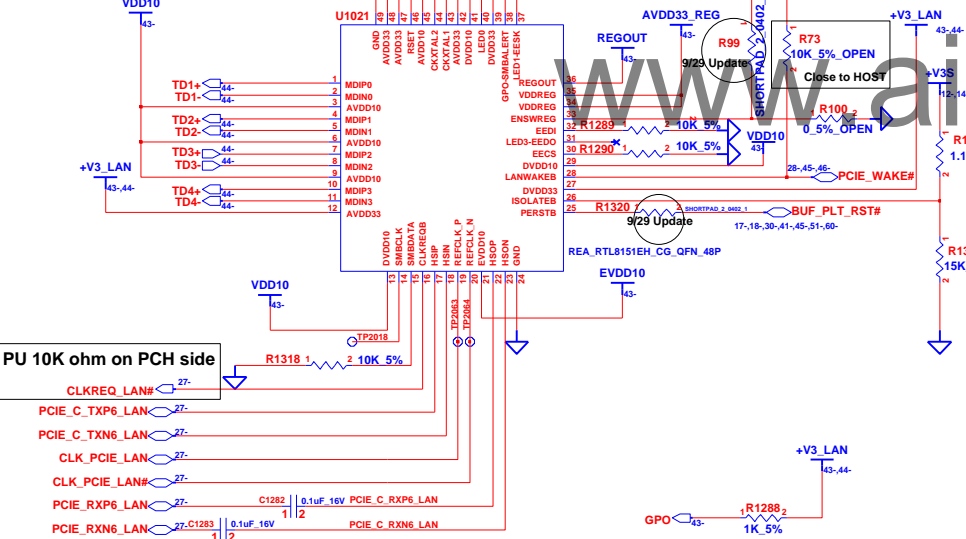
Placed near LAN Controller

C7082 to C7091 are +VDD10 pins- 3, 6, 9, 13, 29, 41, 45



Placed near LAN Controller

C7042 & C7074 are for +EVDD10 pin21



PU 10K ohm on PCH side

- CLKREQ_LAN#
- PCIE_C_TXP6_LAN
- PCIE_C_TXN6_LAN
- CLK_PCIE_LAN
- CLK_PCIE_LAN#
- PCIE_RXP6_LAN
- PCIE_C1283
- PCIE_C_RXN6_LAN

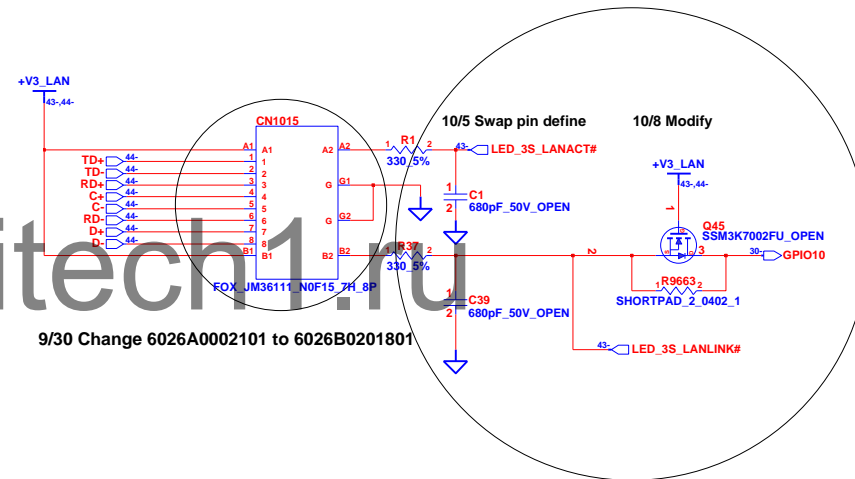
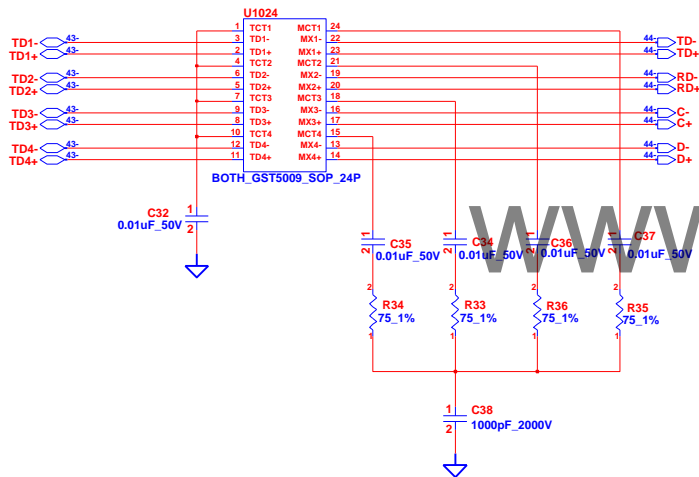
INVENTEC

TITLE JOURNEY LAN INTERFACE			
SIZE A3	CODE CS	DOC. NUMBER 1310A2406601-0-MT	REV R01
SHEET 43		OF 60	

CHANGE by LIN.YT 29-Sep-2010

[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**



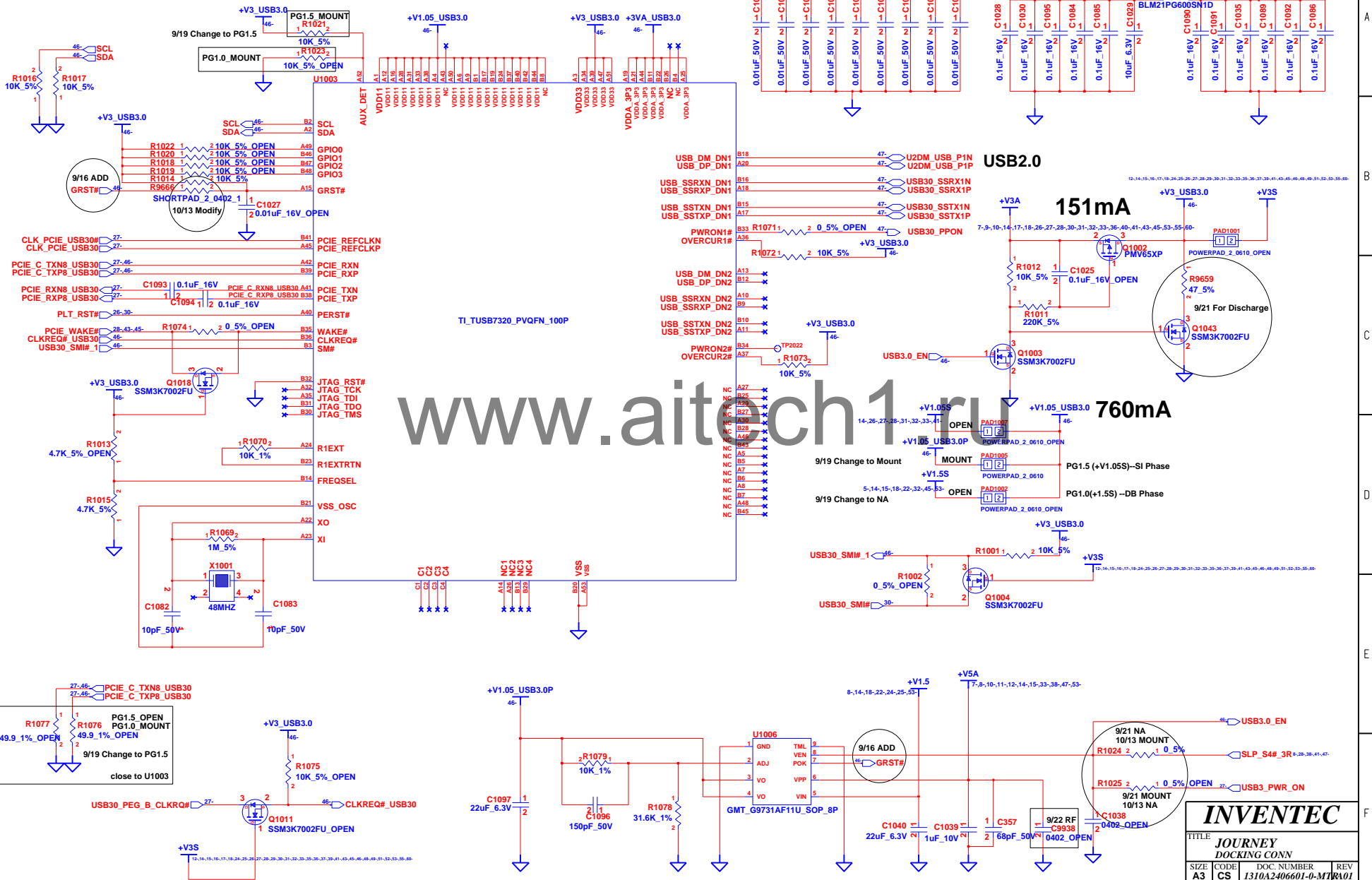
9/30 Change 6026A0002101 to 6026B0201801

TITLE			
JOURNEY LAN RJ45 CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2406601-0-MTR	A01
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CHANGE by	LIN.YT	29-Sep-2010
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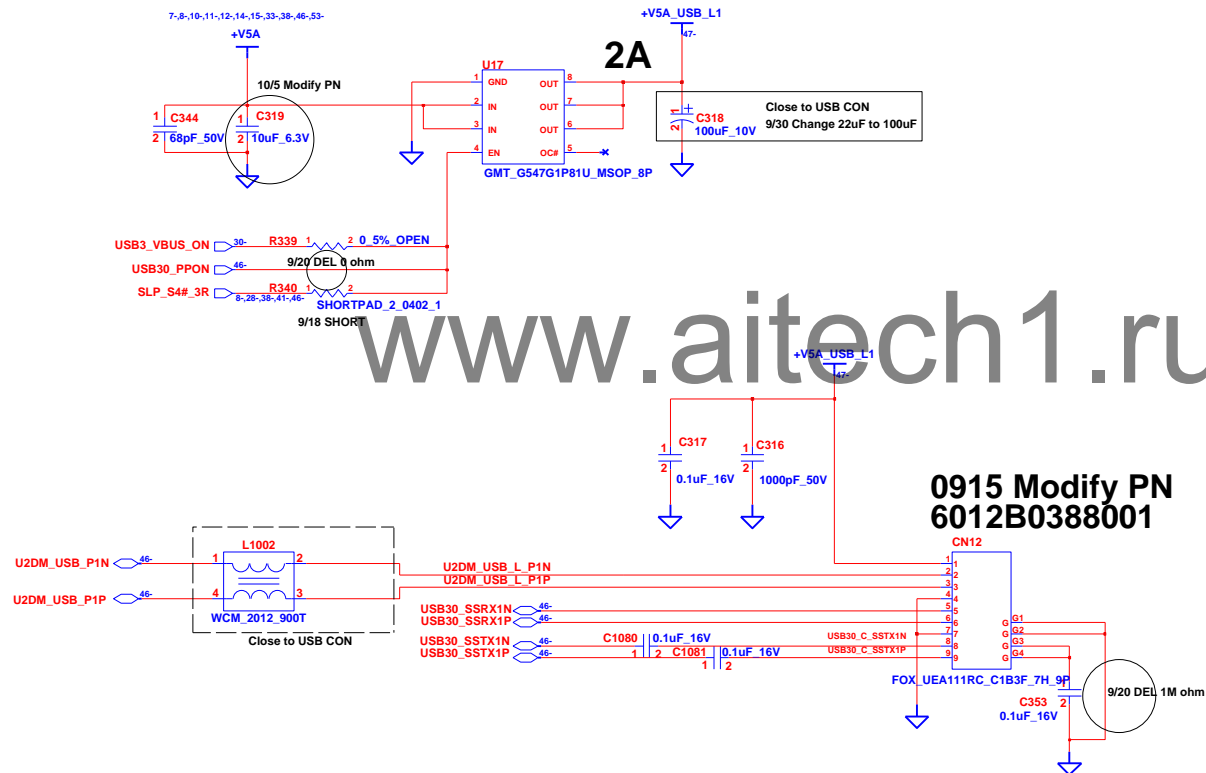
CS	1310A2406601-0-M1K
SHEET	44 OF 60

USB3.0 CONTROLLER

**INVENTEC**

TITLE			
JOURNEY DOCKING CONN			
SIZE	CODE	DOC. NUMBER	RE
A3	CS	1310A2406601-0-MTRAO	

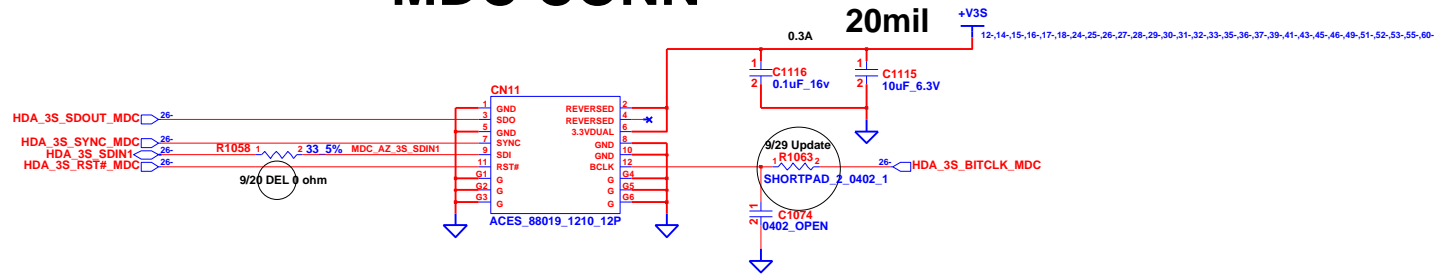
USB3.0 CONN(Left side)



INVENTEC			
TITLE: JOURNEY			
power /wlan /wlan /Bt LED			
SIZE: A3	CODE: CS	DOC. NUMBER: 1310A2406601-0-MT	REV: R01
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CHANGE by: LIN.YT 29-Sep-2010

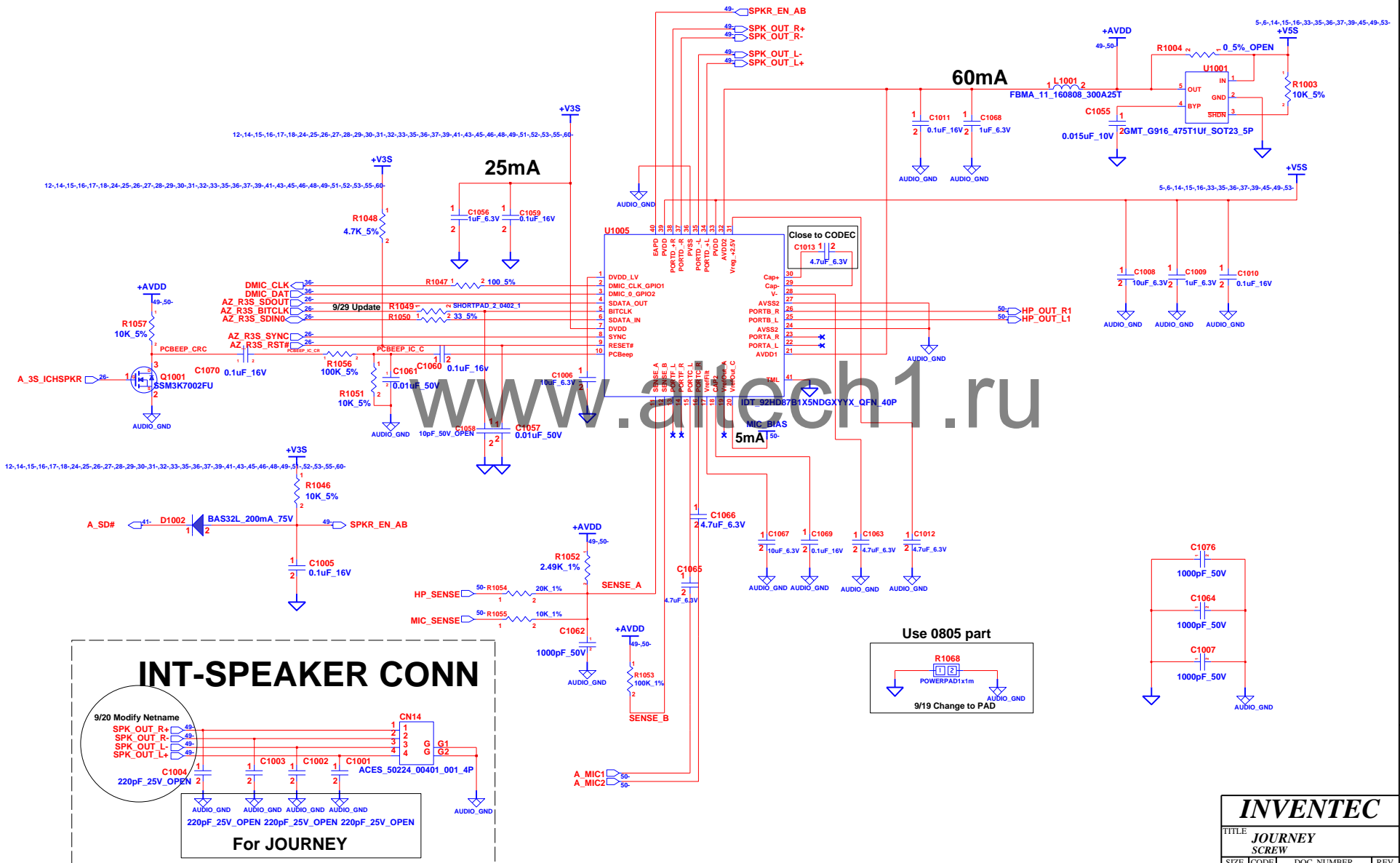
MDC CONN



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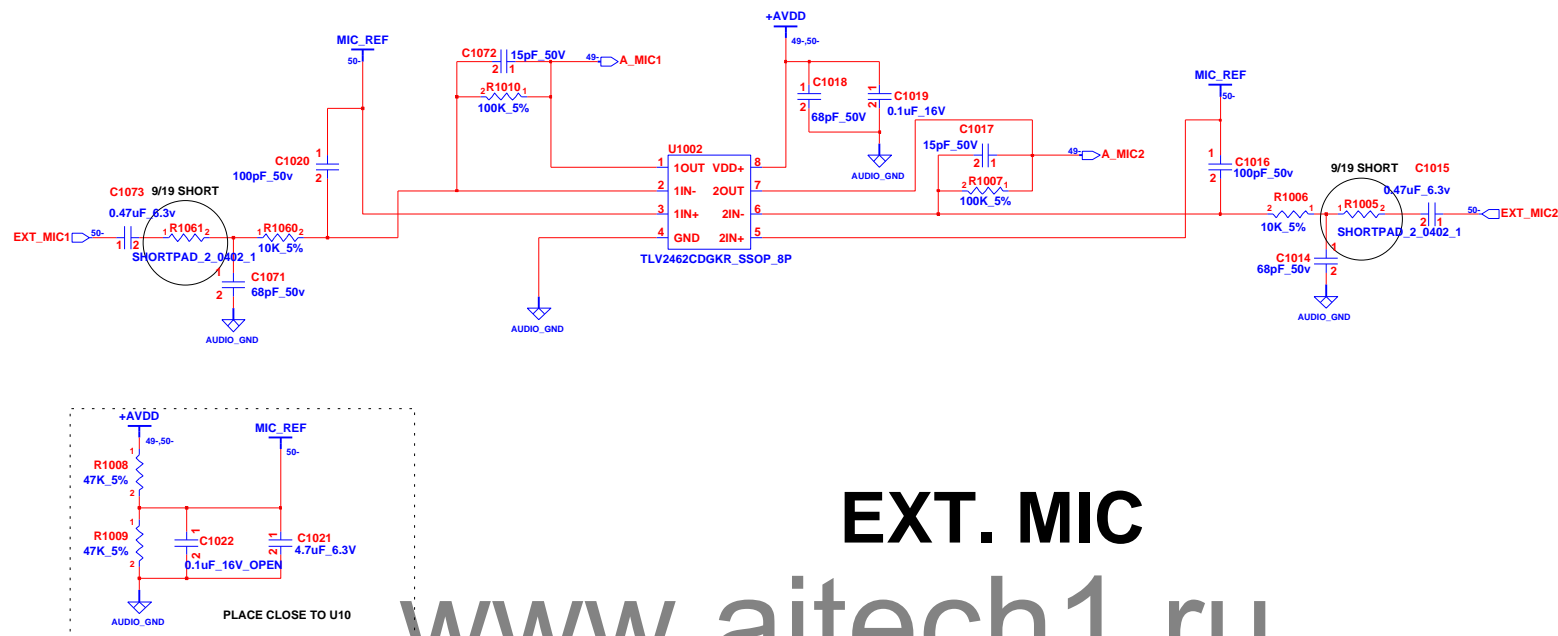
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TITLE JOURNEY			
SIZE A3	CODE CS	DOC. NUMBER 1310A2406601-0-MT	REV R01
CHANGE by LIN.YT		29-Sep-2010	
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AUDIO

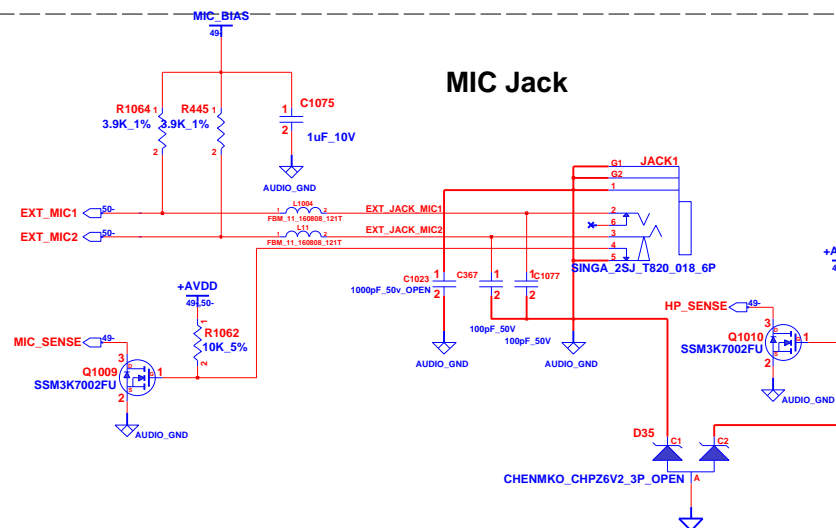
**INVENTEC**

TITLE			
JOURNEY SCREW			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2406601-0-MTR	A01
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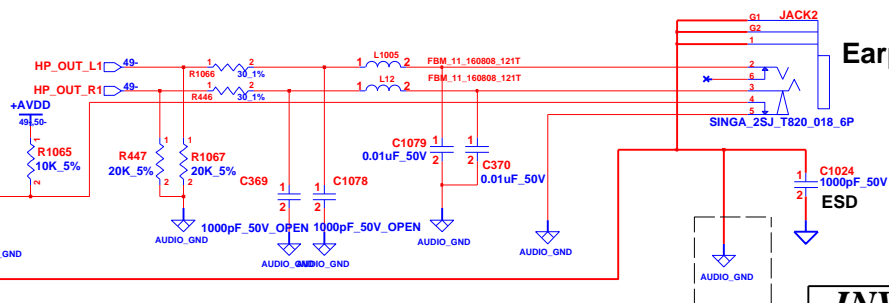
CHANGE by	<i>LIN, YT</i>	<i>29-Sep-2010</i>
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MIC Jack



Earphone Jack



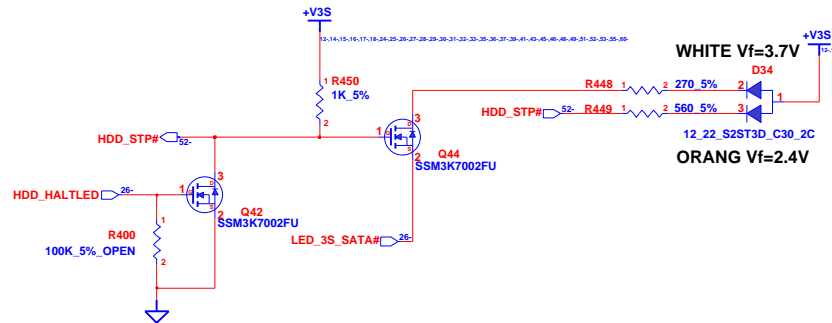
Use min 20 mils wide trace to JACK pin1

INVENTEC			
TITLE JOURNEY AUDIO/EXPRESS CARD/TP CONN			
SIZE A3	CODE CS	DOC. NUMBER 1310A2406601-0-MT	REV R01
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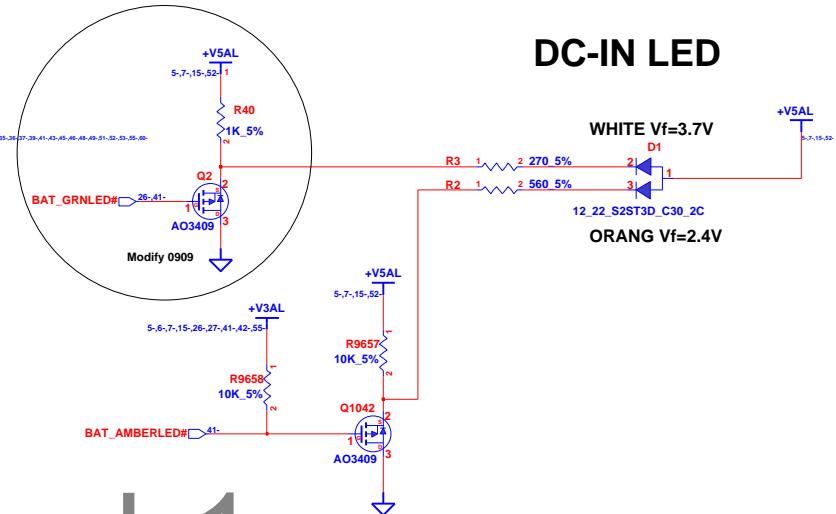
CHANGE by LIN.YT 29-Sep-2010

LED

SATA LED & HDD-HALTED LED

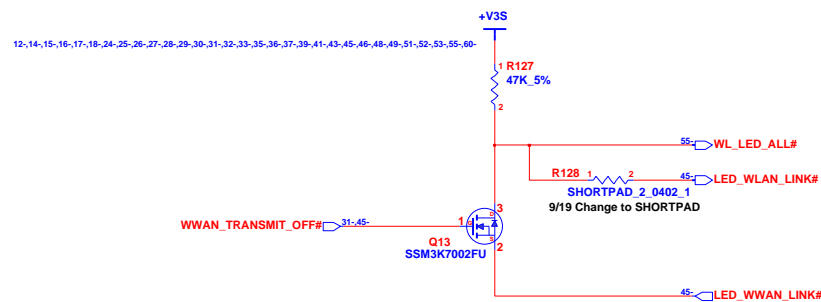


DC-IN LED



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WLAN_WWAN_Bluetooth_LED



INVENTEC

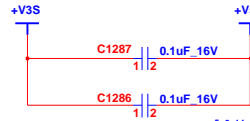
TITLE **JOURNEY**

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

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

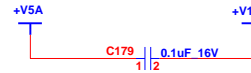
STITCHING CAPS

12,14,15,16,17,18,24,25,26,27,28,29,30,31,32,33,35,36,37,39,41,43,45,46,48,49,51,52,53,55,60-

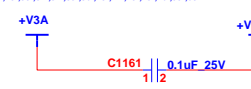


5,6,14,15,16,33,35,36,37,39,45,49,53-

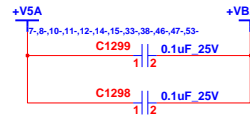
7,8,10,11,12,14,15,33,38,46,47,53-



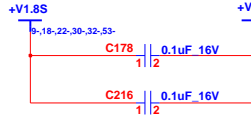
7,9,10,14,17,18,26,27,28,30,31,32,33,36,40,41,43,45,46,55,60-



5,6,7,8,10,12,13,36,53-

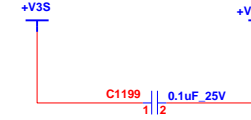


5,6,7,8,10,12,13,36,53-

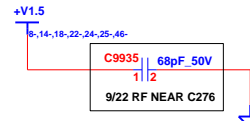


5,6,14,15,16,33,35,36,37,39,45,49,53-

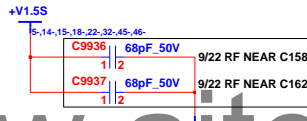
12,14,15,16,17,18,24,25,26,27,28,29,30,31,32,33,35,36,37,39,41,43,45,46,48,49,51,52,53,55,60-



5,6,7,8,10,12,13,36,53-

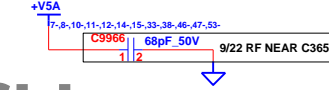


8,14,18,22,24,25,46-



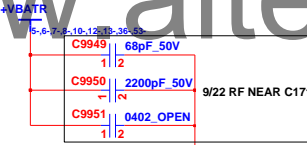
9/22 RF NEAR C158

9/22 RF NEAR C162

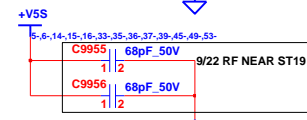


9/22 RF NEAR C365

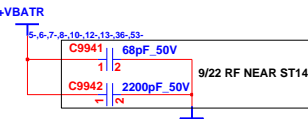
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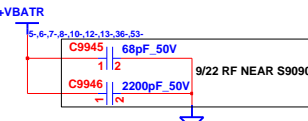
9/22 RF NEAR C171



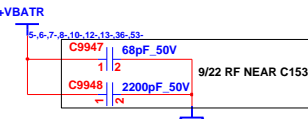
9/22 RF NEAR ST19



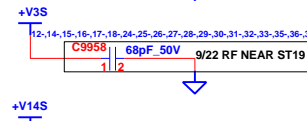
9/22 RF NEAR ST14



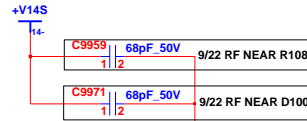
9/22 RF NEAR S9090



9/22 RF NEAR C153

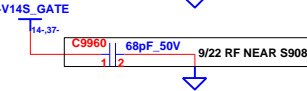


9/22 RF NEAR ST19



9/22 RF NEAR R1088

9/22 RF NEAR D1005



9/22 RF NEAR S9083

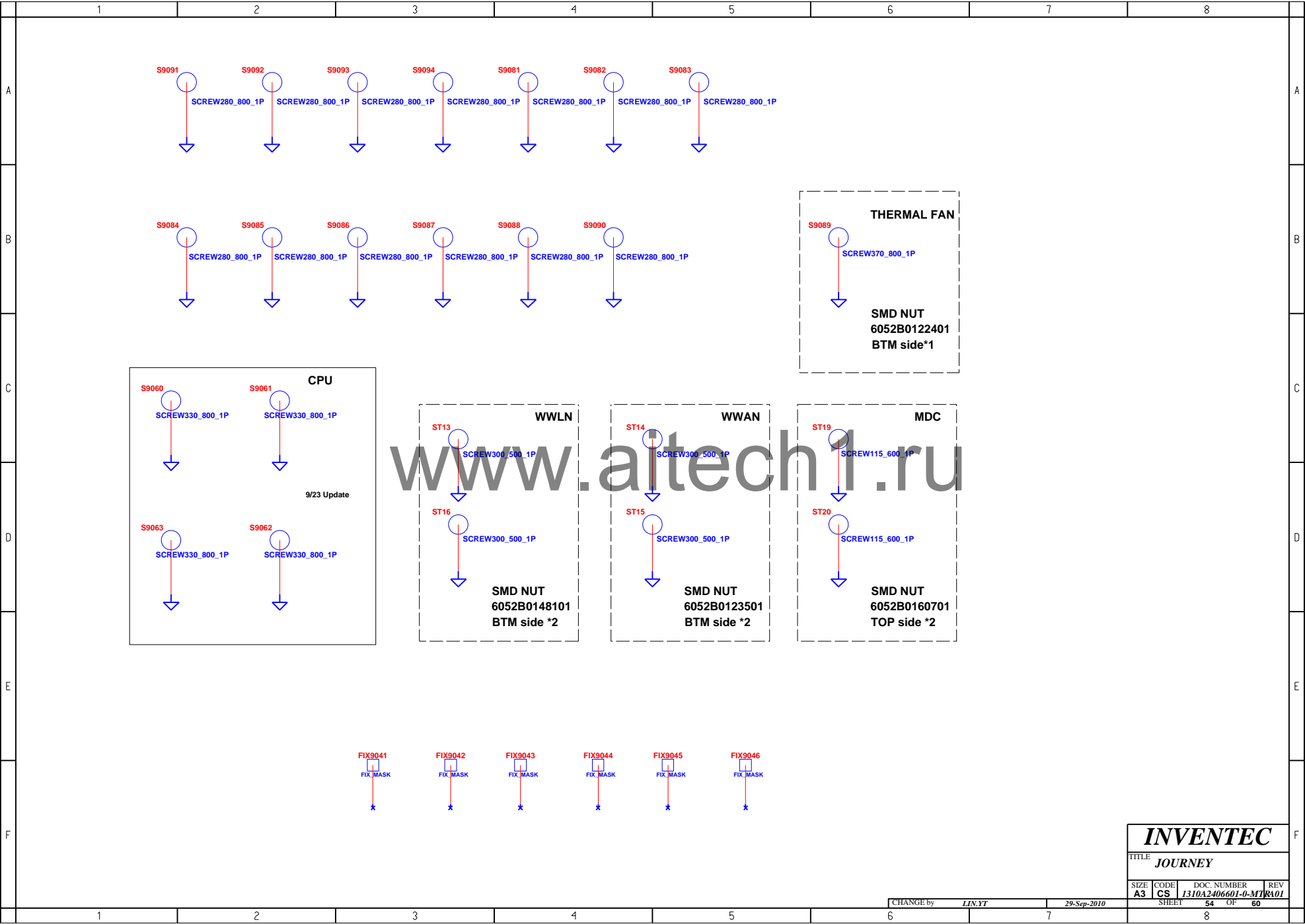
INVENTEC

TITLE **JOURNEY**

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

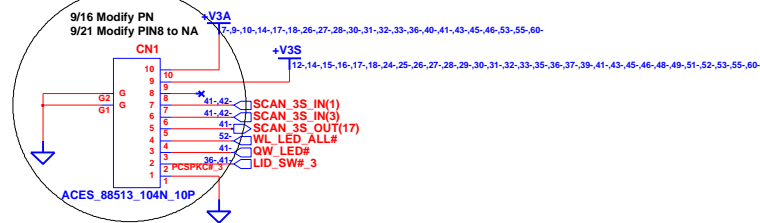
CHANGE by **LIN.YT** 29-Sep-2010

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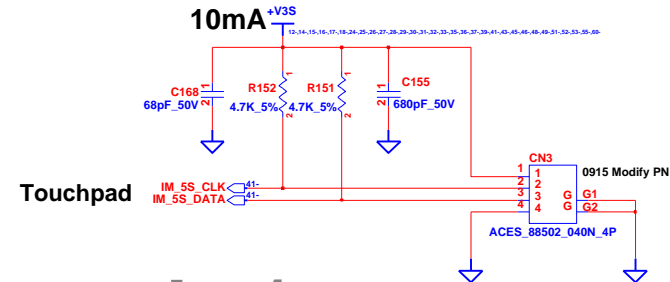


Wire to board Conn on MB

MB to Launch BOARD

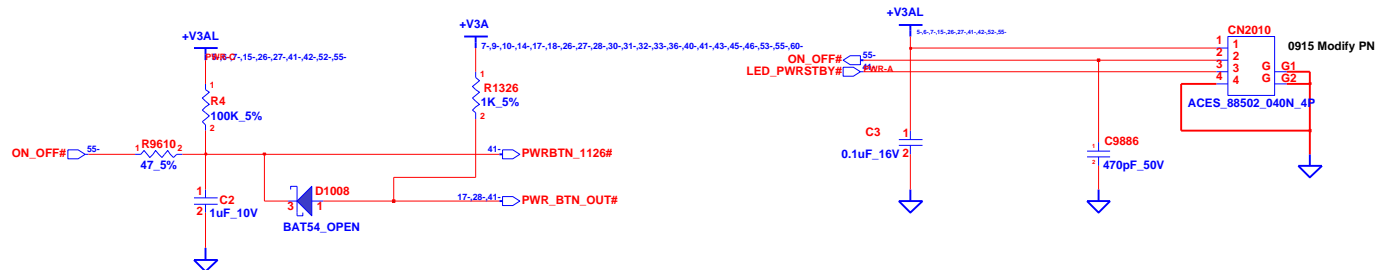


MB to PICK Button BOARD



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MB to POWER BOARD



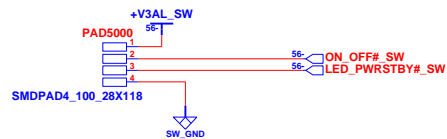
INVENTEC

TITLE JOURNEY CARD READER			
SIZE A3	CODE CS	DOC. NUMBER 1310A2406601-0-MT	REV R01
SHEET 55		OF 60	

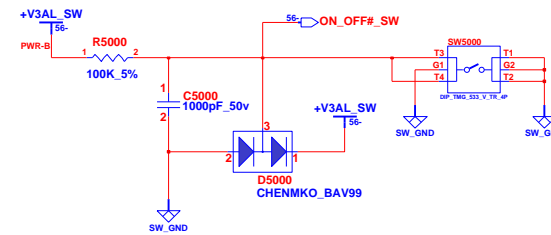
CHANGE by **LIN.YT** 29-Sep-2010

DB Power Board

PWR SW W/B CONN

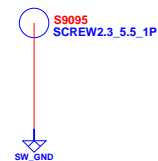
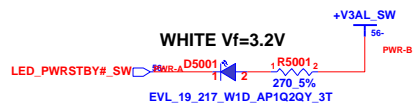


Power Button



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Power / Standby LED



INVENTEC

TITLE **JOURNEY**

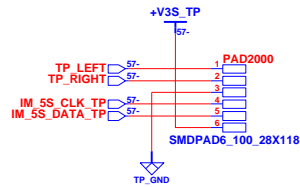
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2406601-0-MT	R01

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

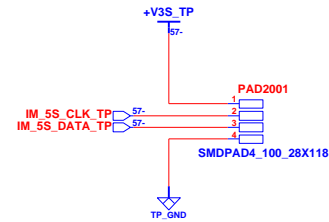
SHEET 56 OF 60

DB PICK Button Board

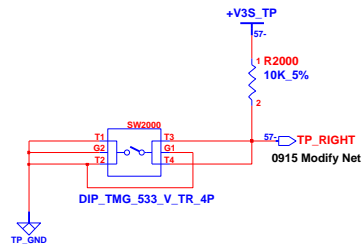
To Touchpad Module



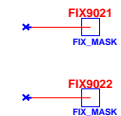
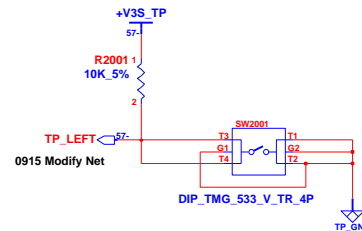
To MB KBC



RIGHT BUTTON

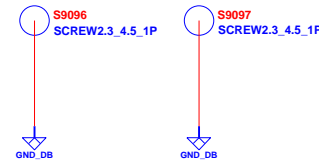
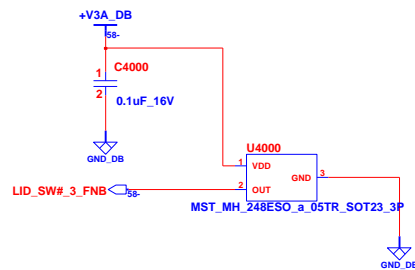
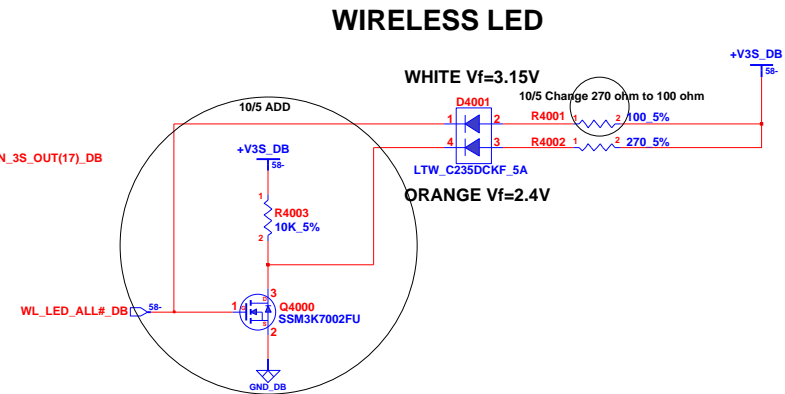
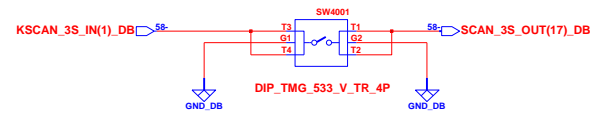
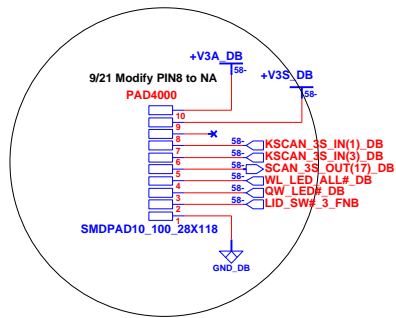


LEFT BUTTON



INVENTEC			
TITLE JOURNEY			
SIZE A3	CODE CS	DOC. NUMBER 1310A2406601-0-MT	REV R01
CHANGE by LIN.YT		13-Oct-2010	
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DB LAUNCH BOARD(Wireless LED & Quick LED H-SENSOR)



INVENTEC			
TITLE JOURNEY			
SIZE A3	CODE CS	DOC. NUMBER 1310A2406601-0-MT	REV R01
CHANGE by LIN.YT		29-Sep-2010	
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DB DIGITAL MIC Board



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INVENTEC			
TITLE JOURNEY			
SIZE A3	CODE CS	DOC. NUMBER 1310A2406601-0-MT	REV R01
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CHANGE by L.N.YT 29-Sep-2010

