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HSF Property : **RoHS**

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B

C

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E

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JOURNEY

SI BUILD

2010.09.09

DATE	CHANGE NO.	REV

	EE	DATE	POWER	DATE
DRAWER				
DESIGN				
CHECK				
RESPONSIBLE				
SIZE =	3			VER :
FILE NAME : XXXX-XXXXXX-XX				
P/N	XXXXXXXXXXXX			

INVENTEC			
TITLE JOURNEY			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV X01
SHEET		1	OF 60

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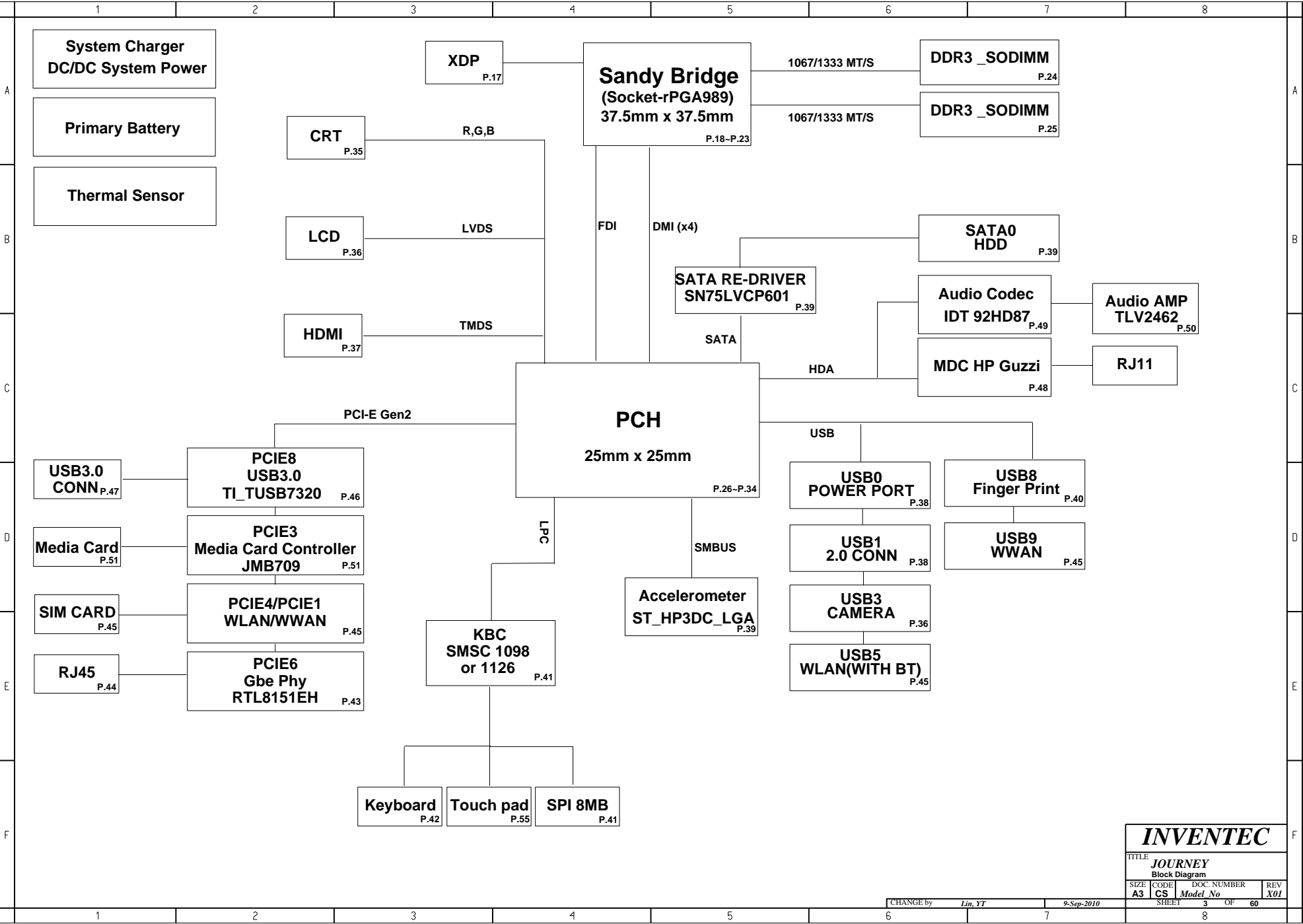
TABLE OF CONTENTS

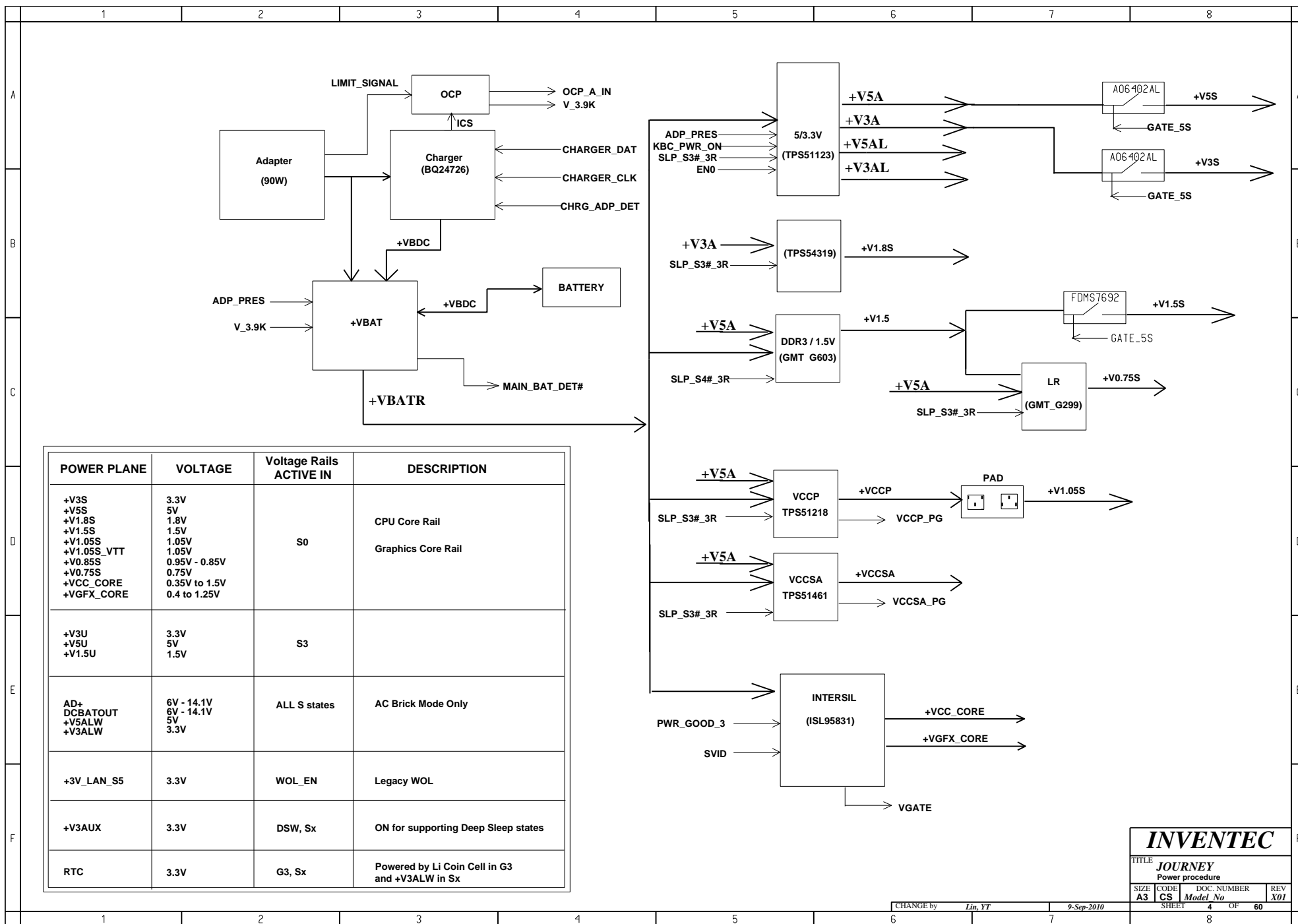
5- DC& BATTERY CHARGER	26- PCH1	55- DB CONN TP&Launch&Power
6- SELECT & BATTERY CONN	27- PCH2	56- DB-POWER BOARD
7- SYSTEM POWER(3V/5V)	28- PCH3	57- DB PICK BOARD
8- SYSTEM POWER(+V1.5/+V0.75S)	29- PCH4	58- DB LAUNCH BOARD
9- POWER(+V1.8S)	30- PCH5	59- DB DIGITAL MIC BOARD
10- SYSTEM POWER(+VCCP)	31- PCH6	
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	

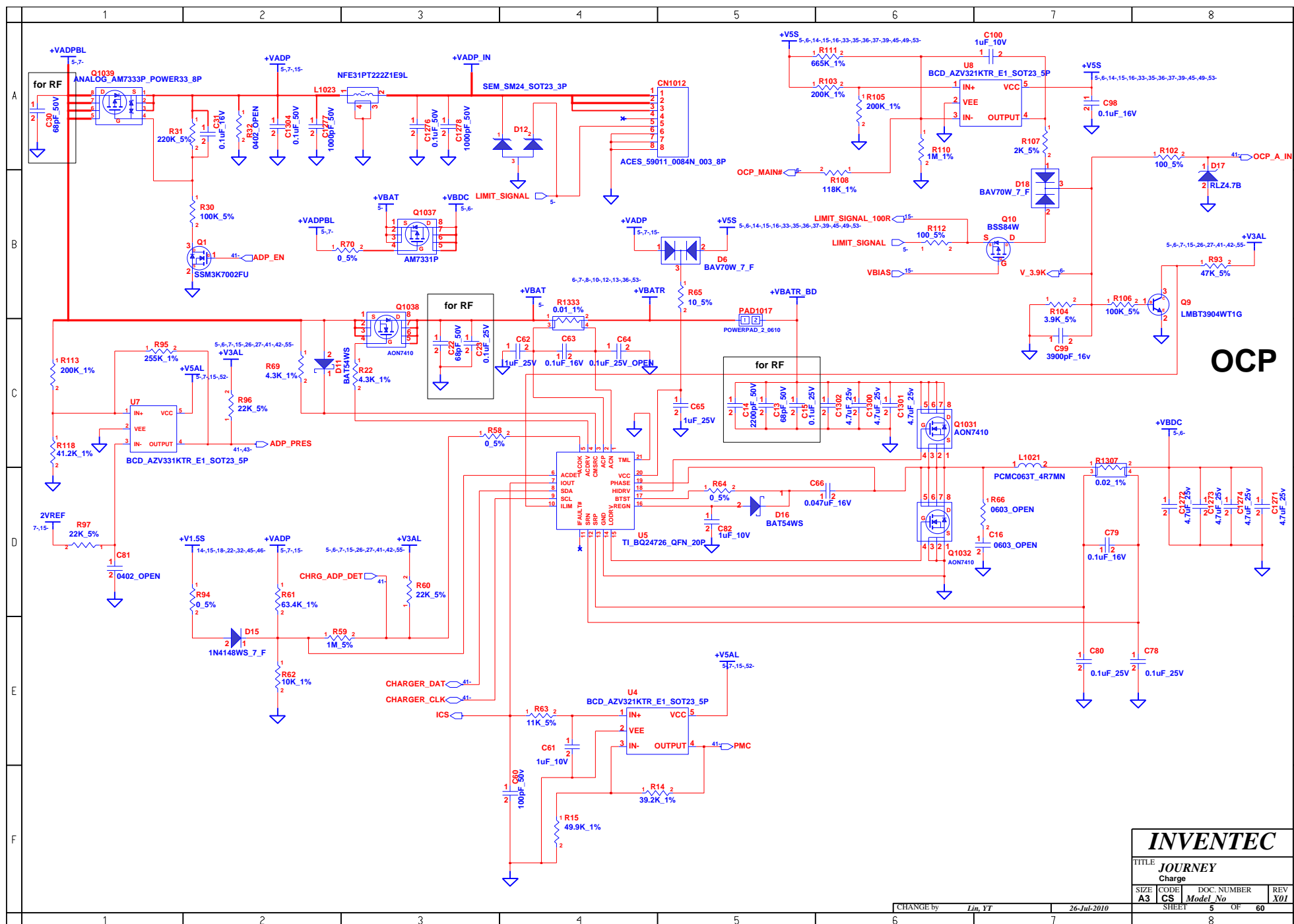
INVENTEC

TITLE JOURNEY Index			
SIZE A3	CODE CS	DOC. NUMBER <i>Model No</i>	REV X01
SHEET 2		OF 60	

CHANGE by *Ljn, YT* 9-Sep-2010







7.2A

Battery CONN

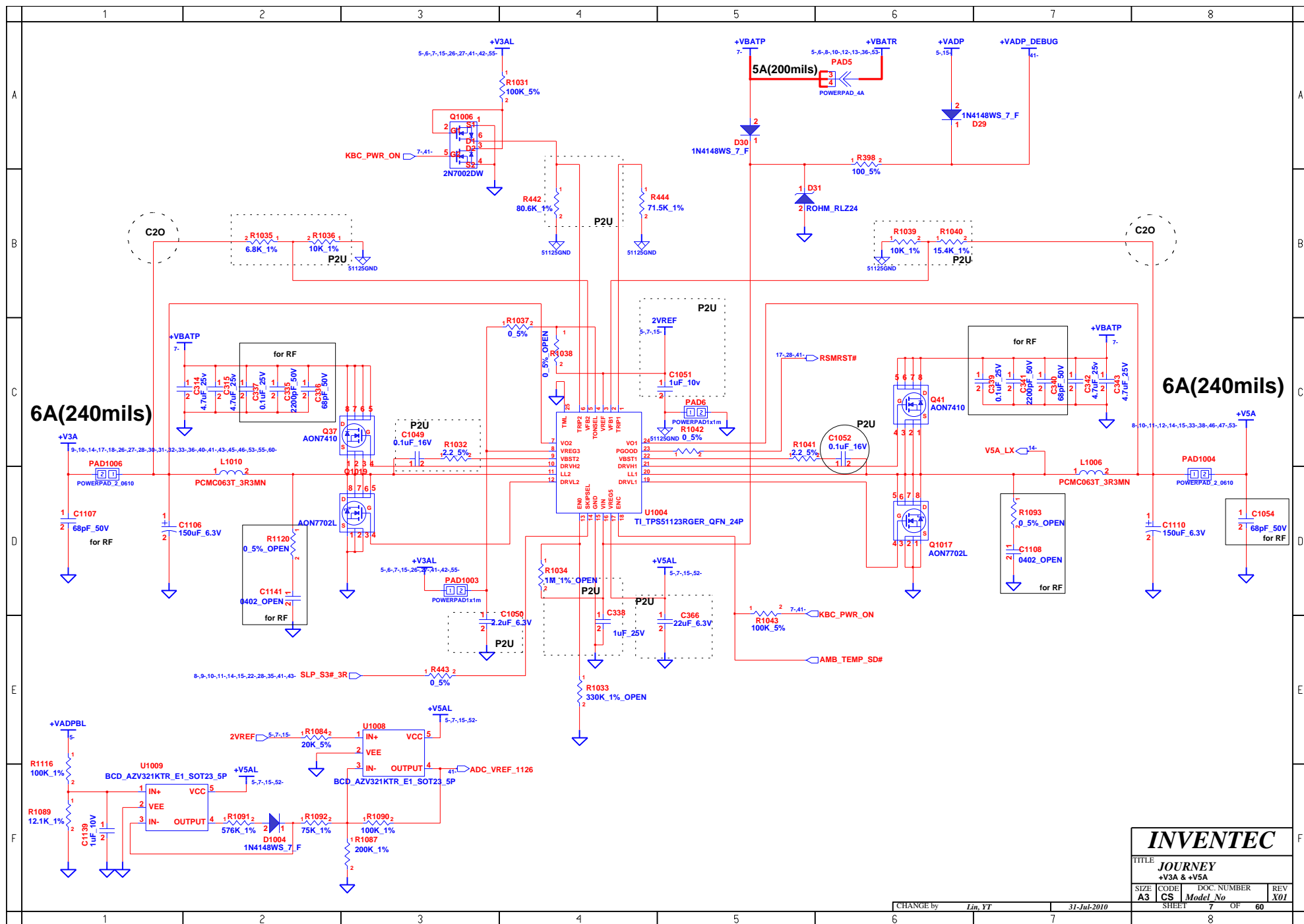
Turbo Boost

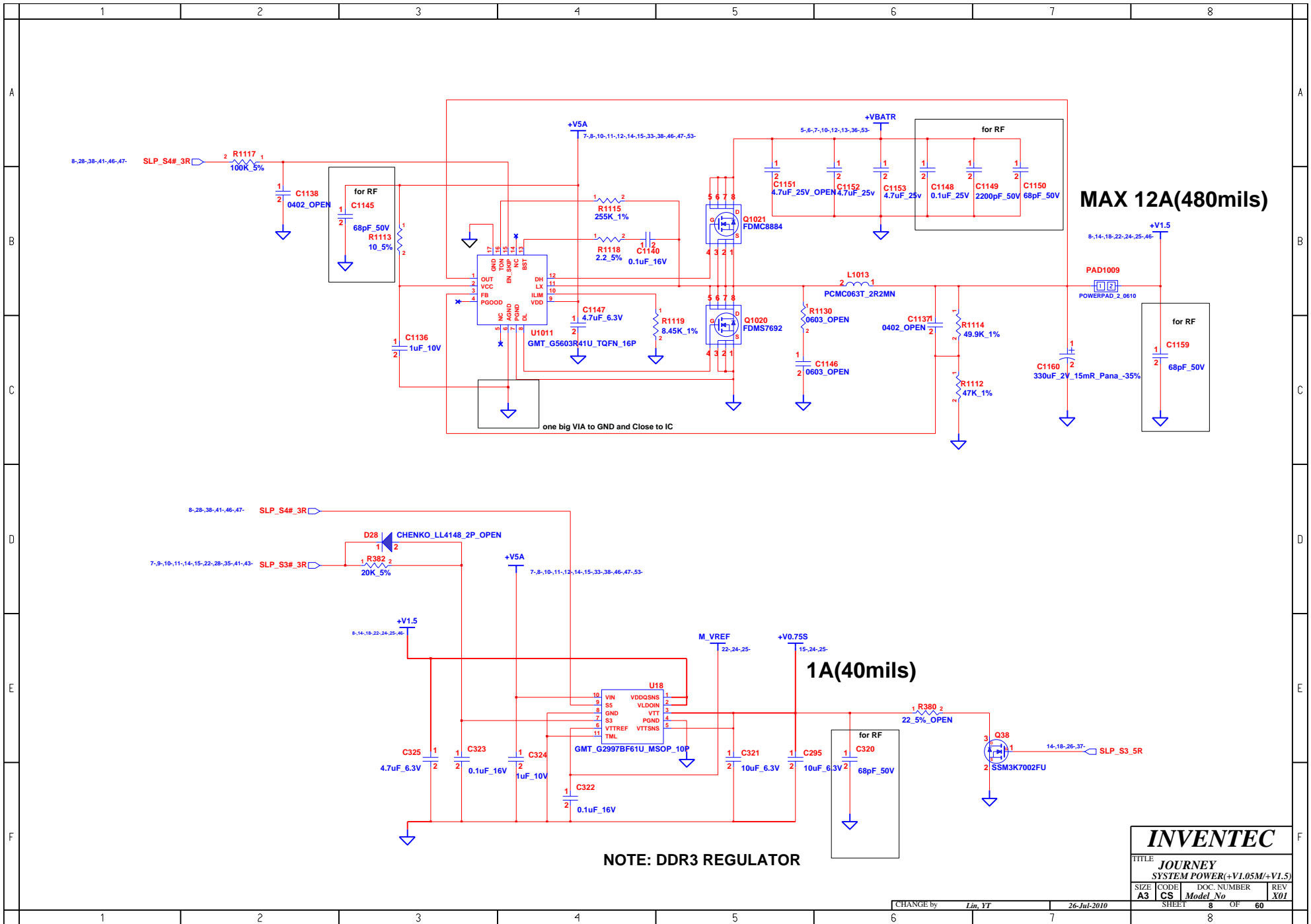
INVENTEC

TITLE			
JOURNEY			
SELECT & BATTERY CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	X01

CHANGE by Lin YT 26-Jul-2010

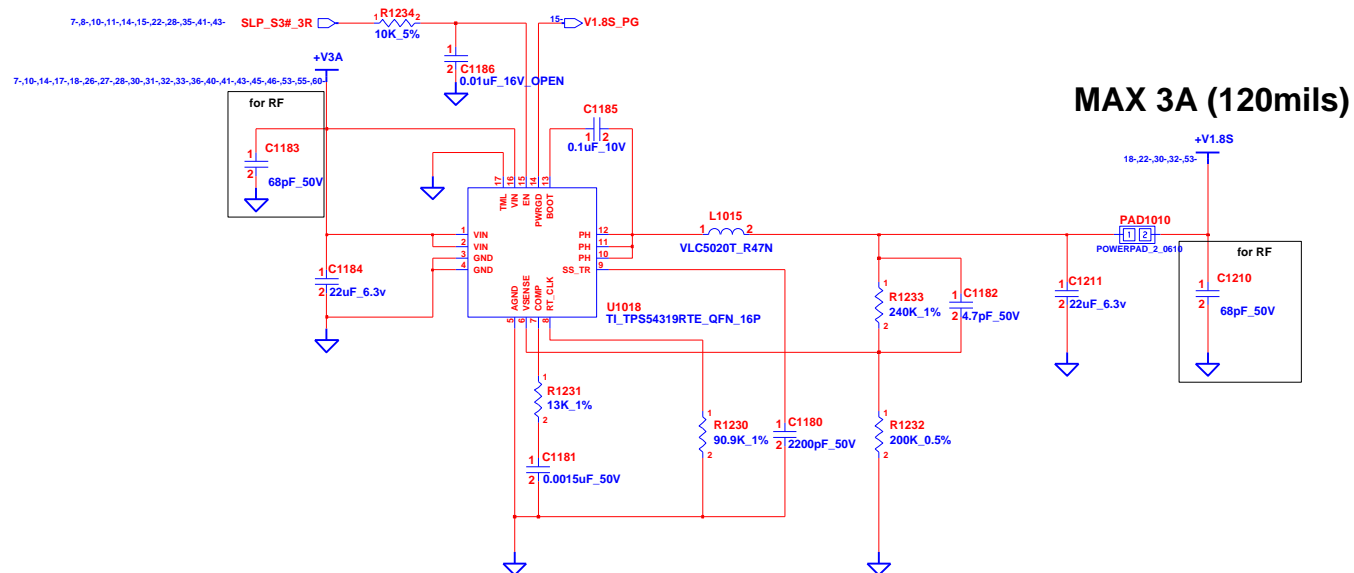
SHEET 6 OF 60

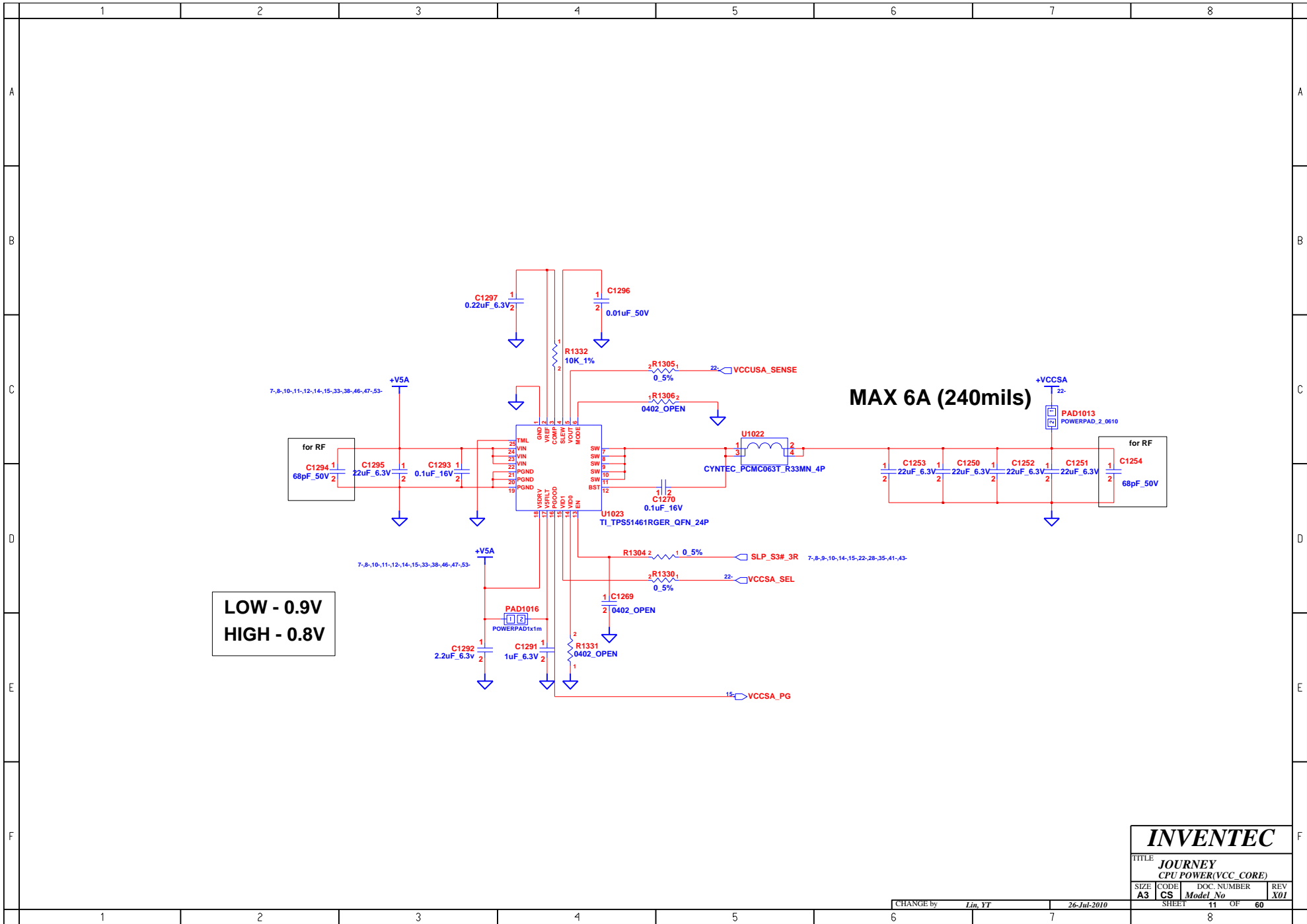


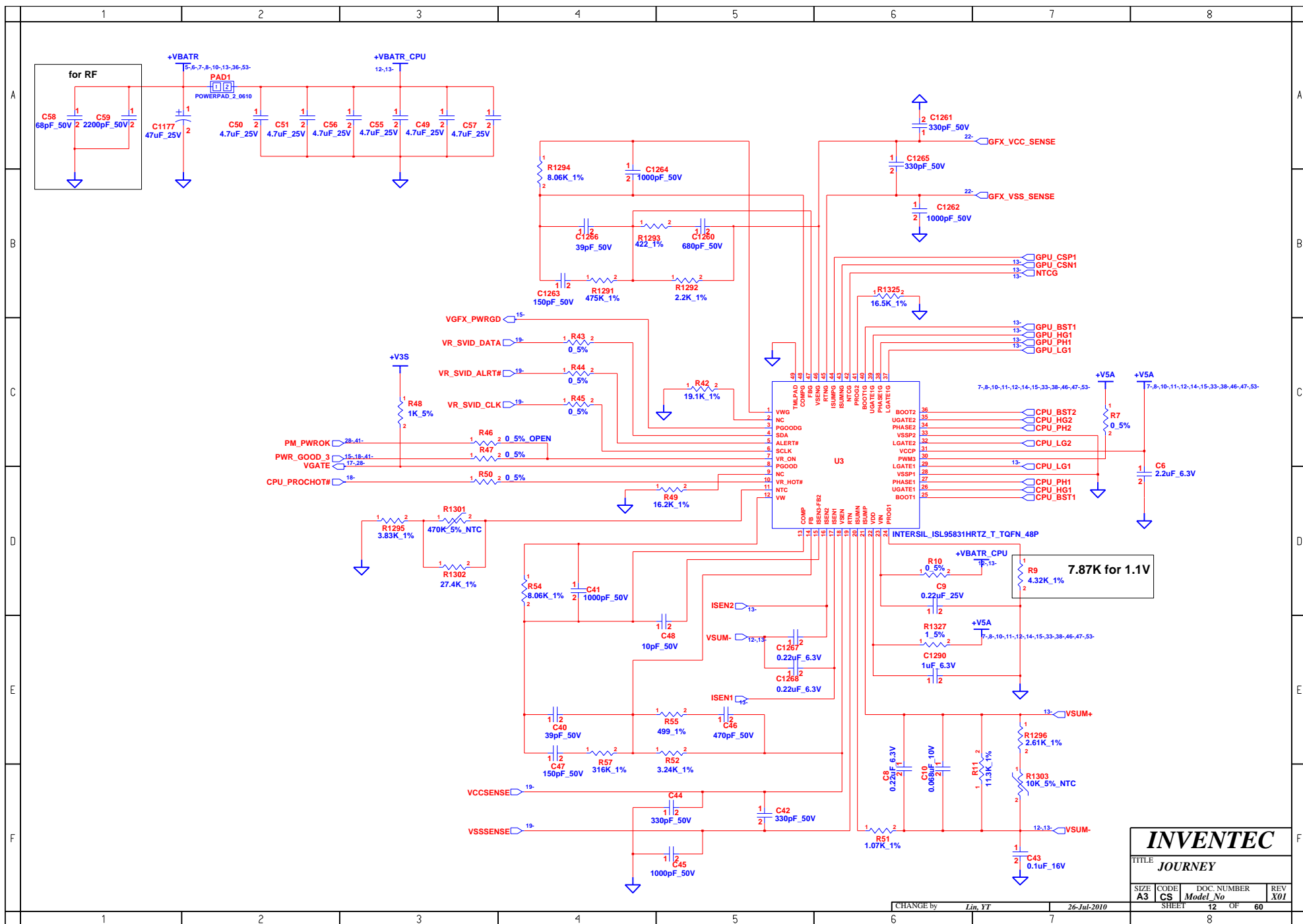


INVENTEC			
TITLE JOURNEY			
SYSTEM POWER(+V1.05M/+V1.5)			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV X01
SHEET 8		OF 60	

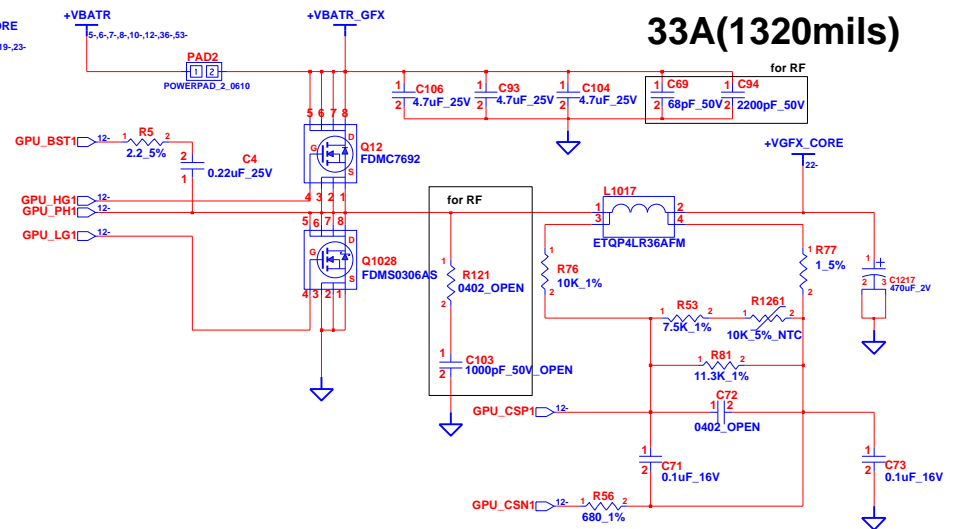
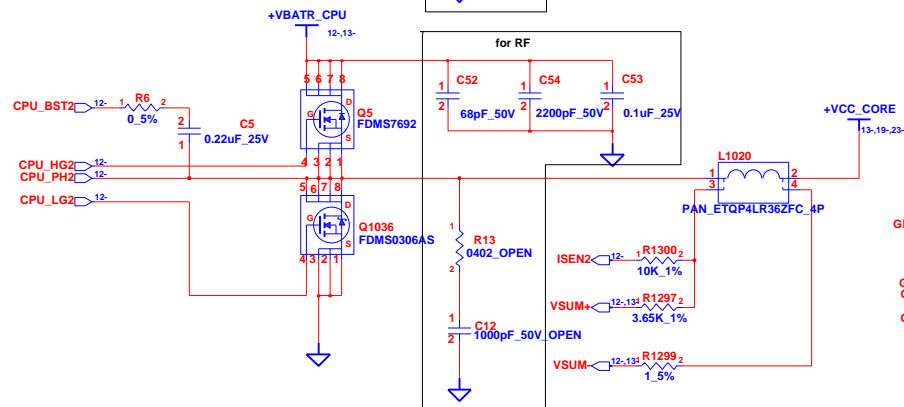
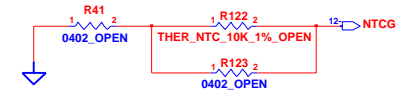
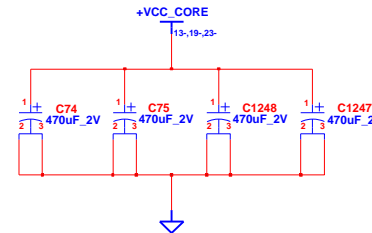
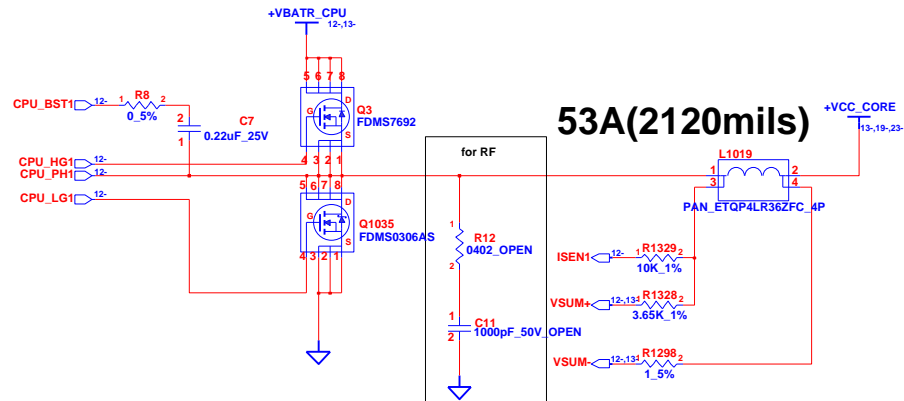
CHANGE by *Ljn_YT* 26-Jul-2010







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



33A(1320mils)

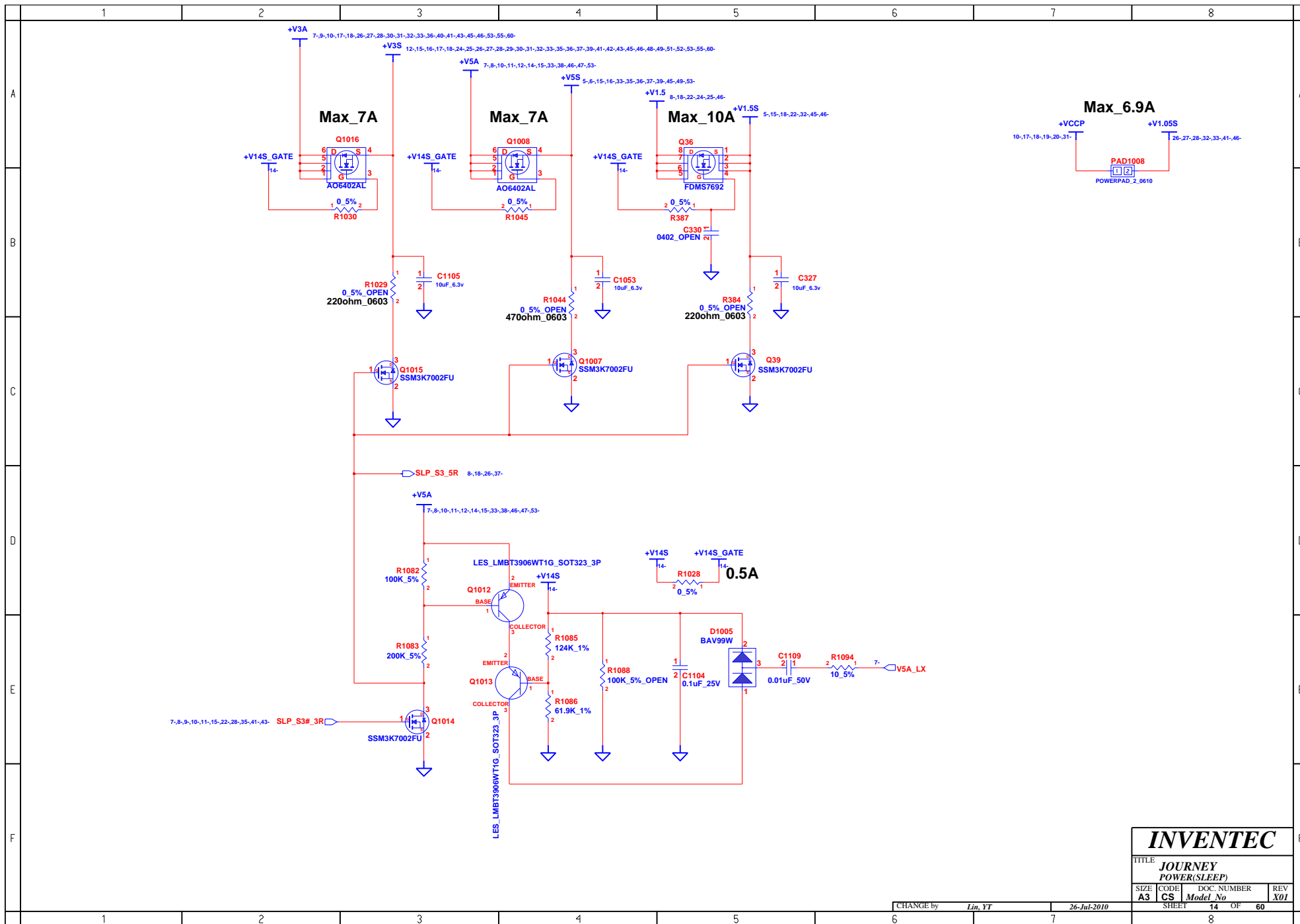
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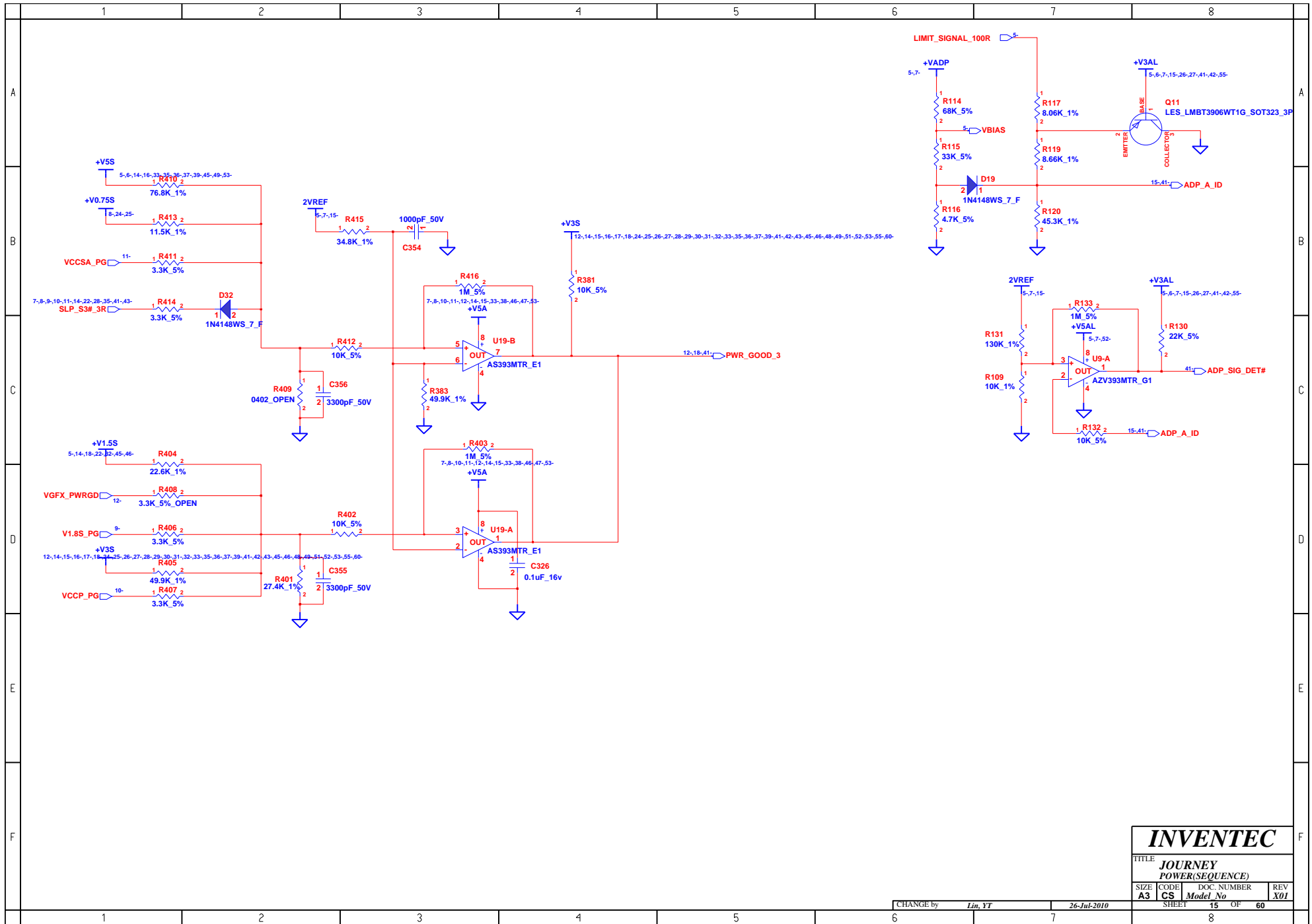
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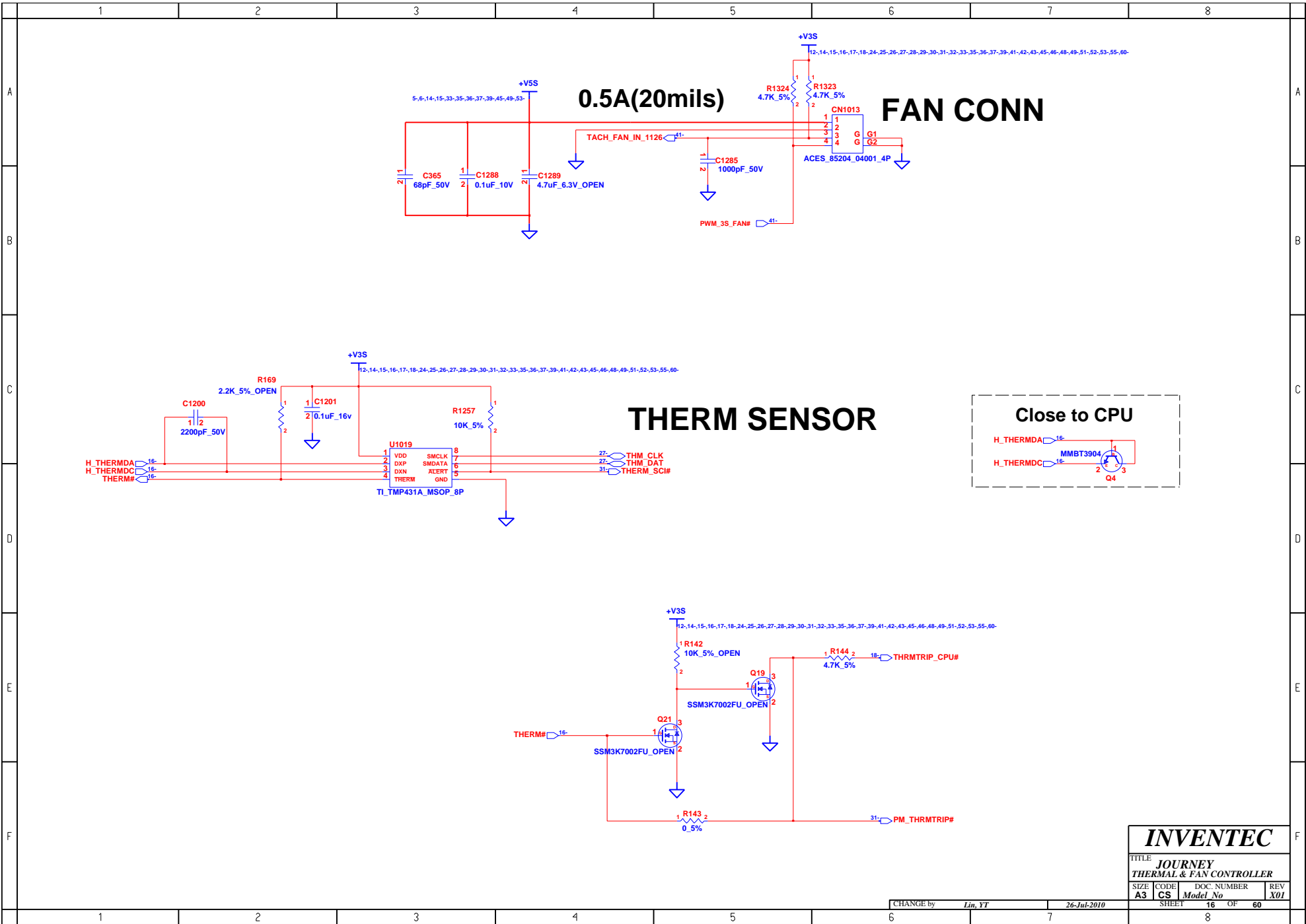
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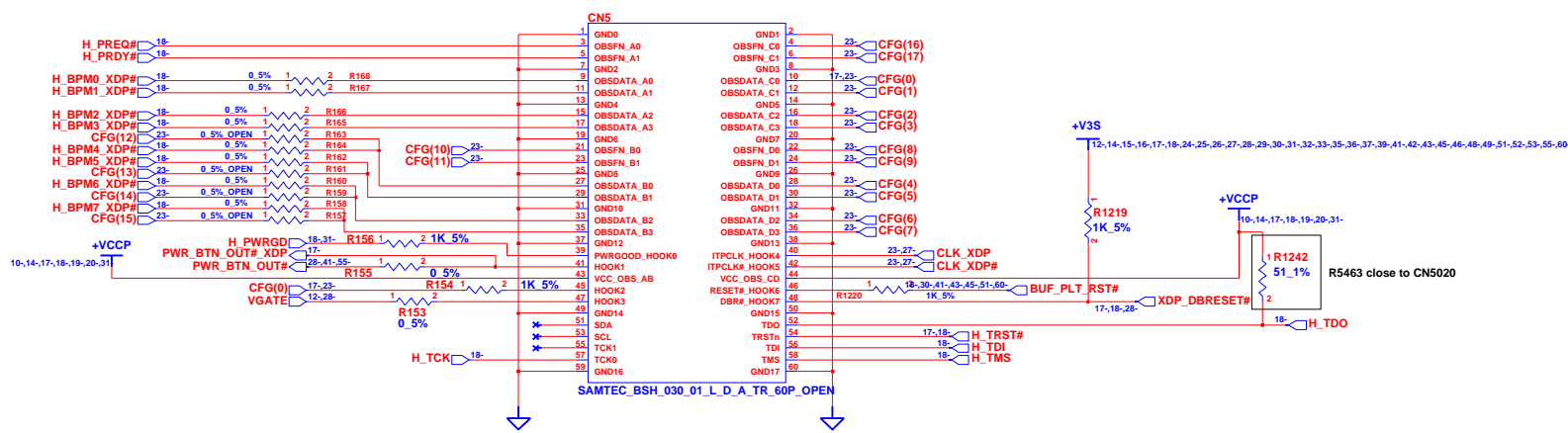
CHANGE by **Ljn_YT** 26-Jul-2010

SHEET **13** OF **60**



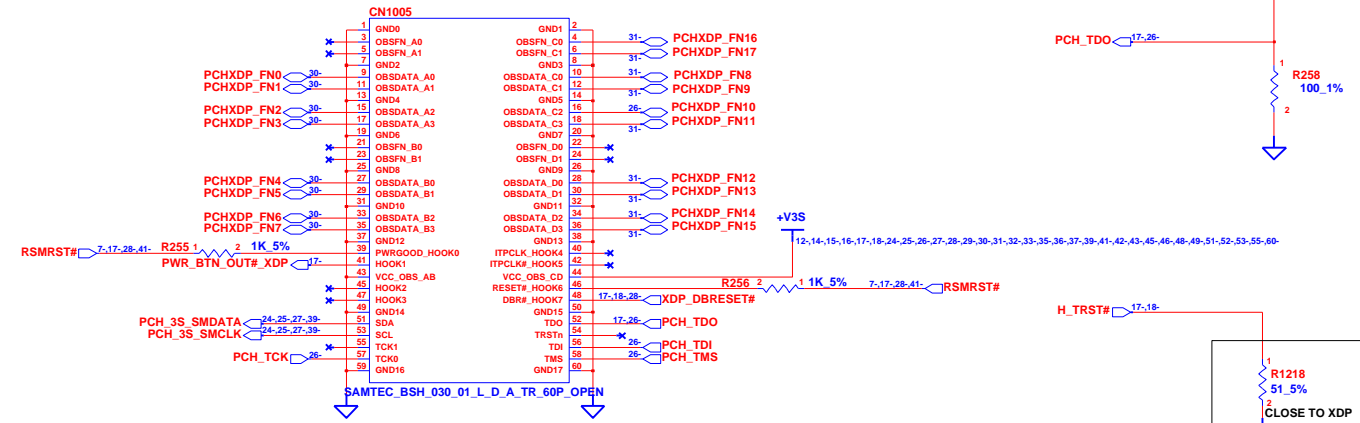






CPU XDP CONNECTOR

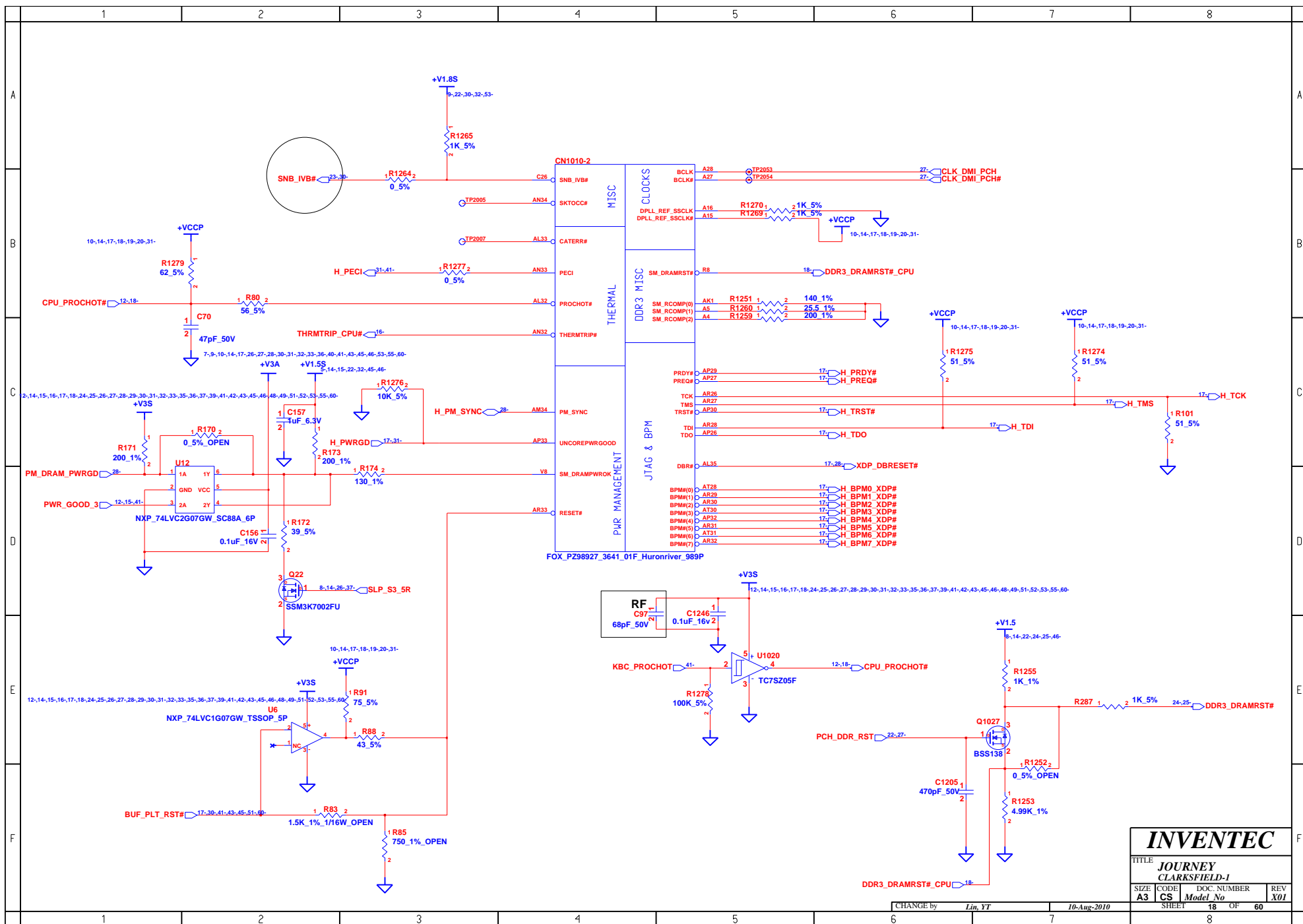
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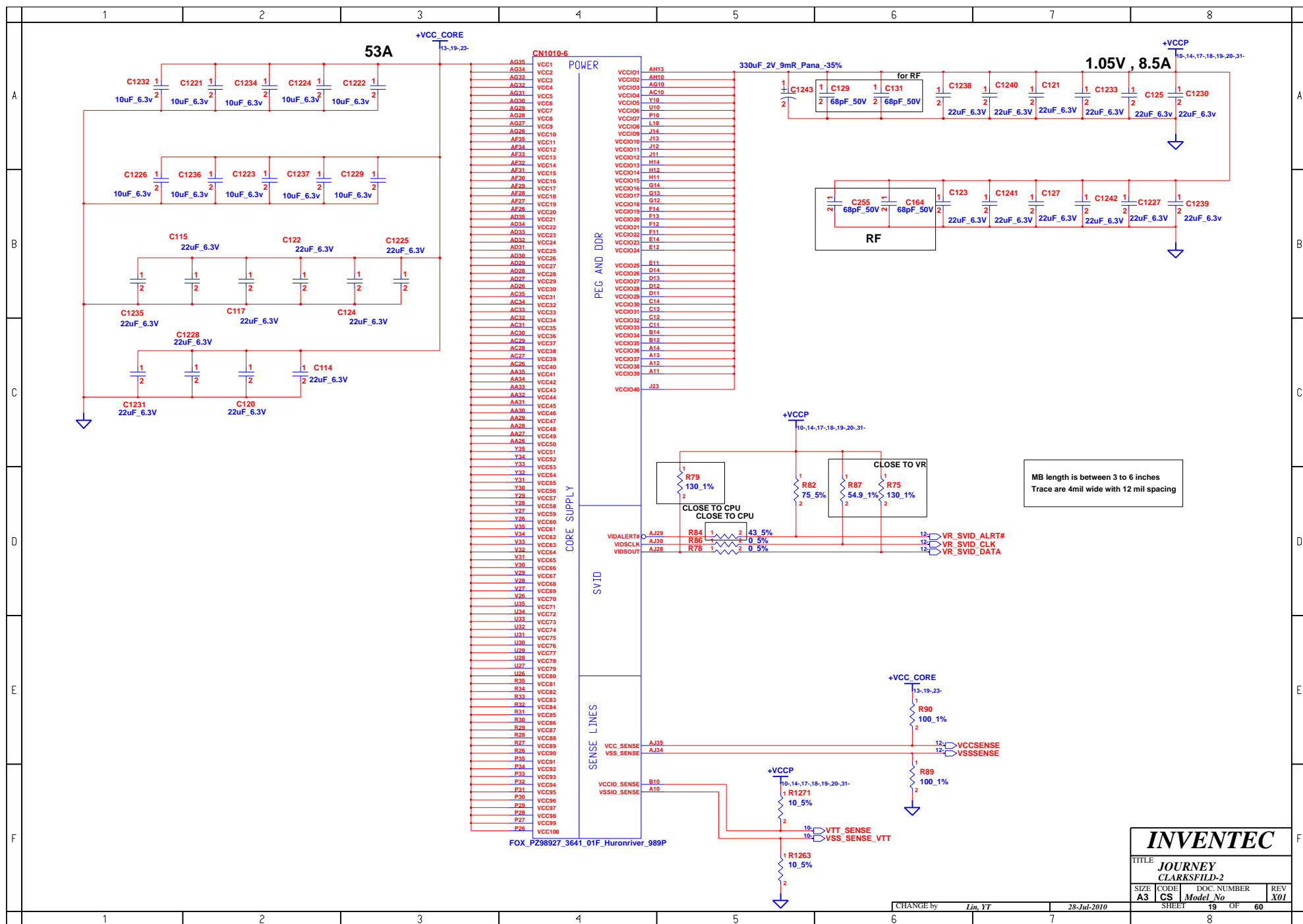


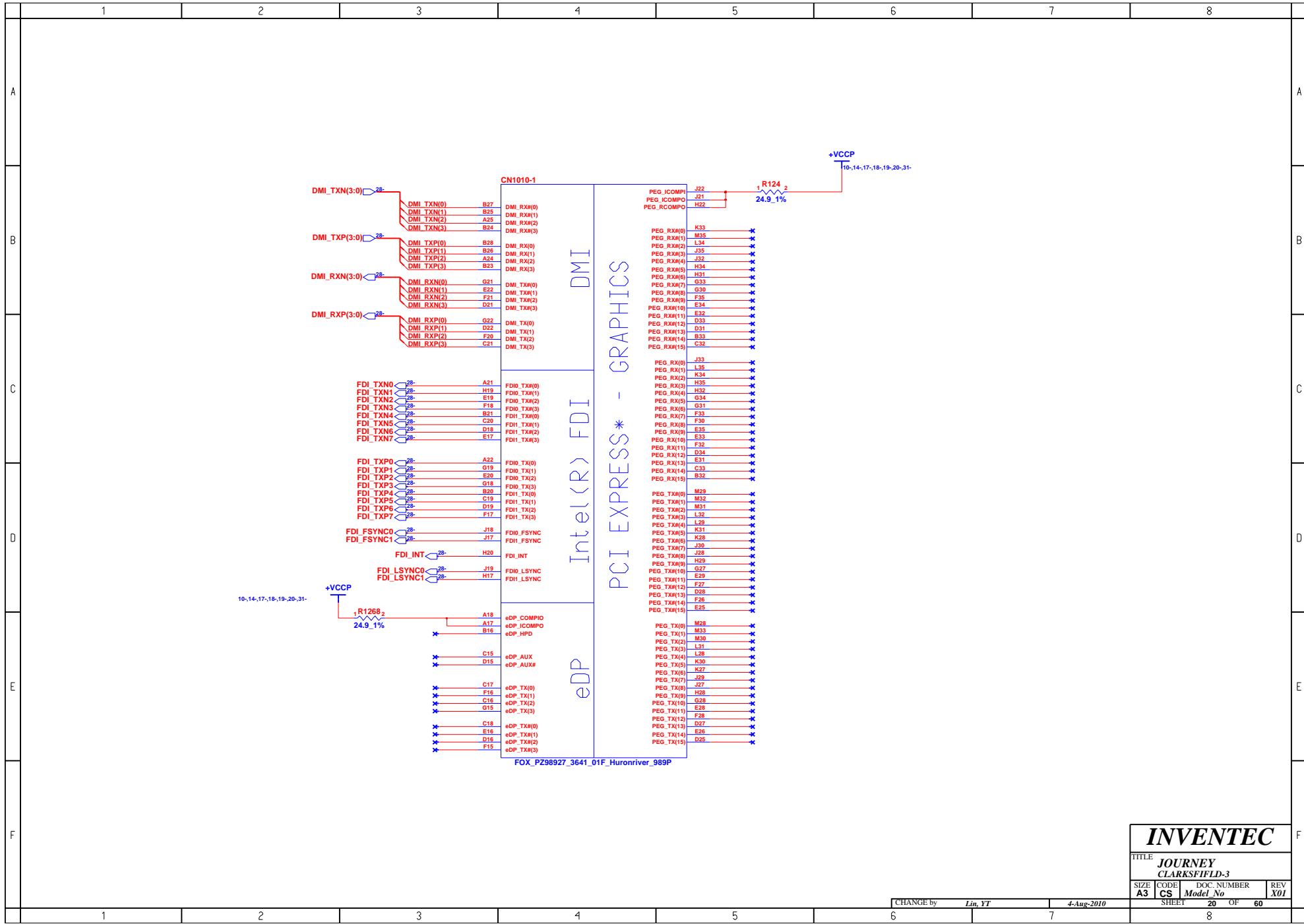
PCH XDP CONNECTOR

INVENTEC				
TITLE JOURNEY				
SIZE A3	CODE CS	DOC. NUMBER Model No	REV X01	
SHEET 17		OF 60		

CHANGE by Lin_YT 26-Jul-2010



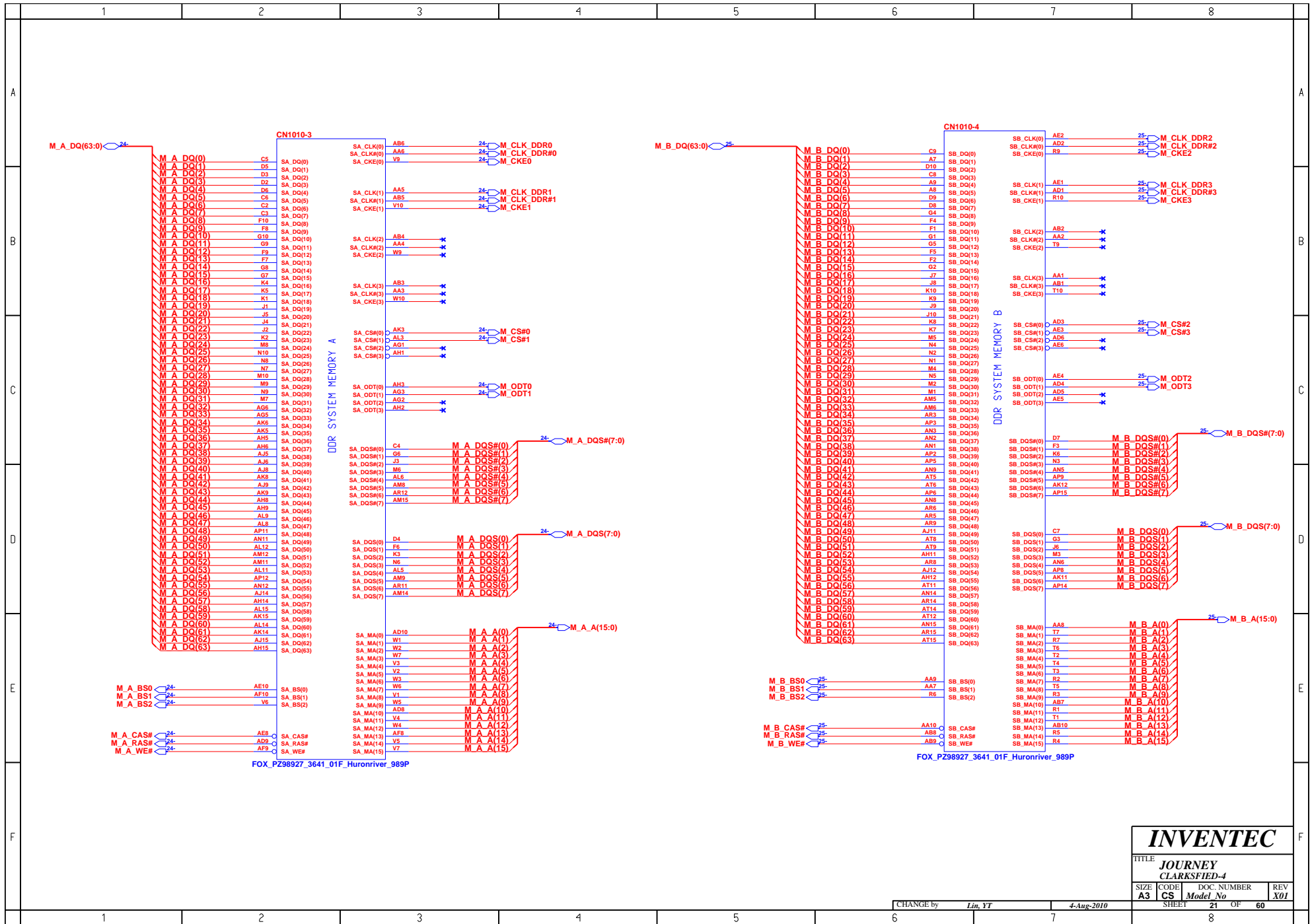




INVENTEC

TITLE			
JOURNEY CLARKSFIELD-3			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV X01
SHEET		20 OF	60

CHANGE by Lin YT 4-Aug-2010



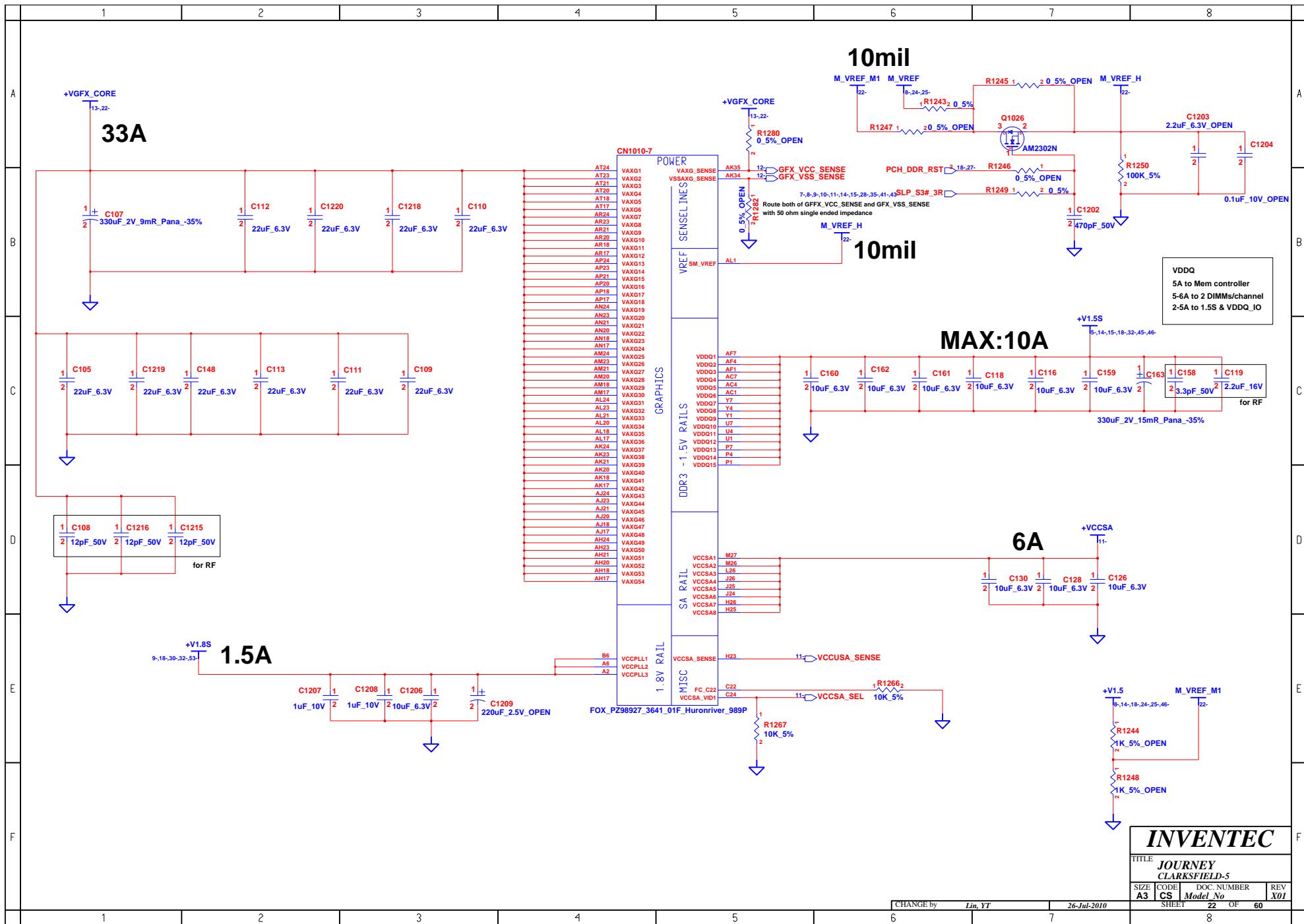
INVENTEC

TITLE
JOURNEY
CLARKSFIED-4

SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	X01

CHANGE by Lin YT 4-Aug-2010

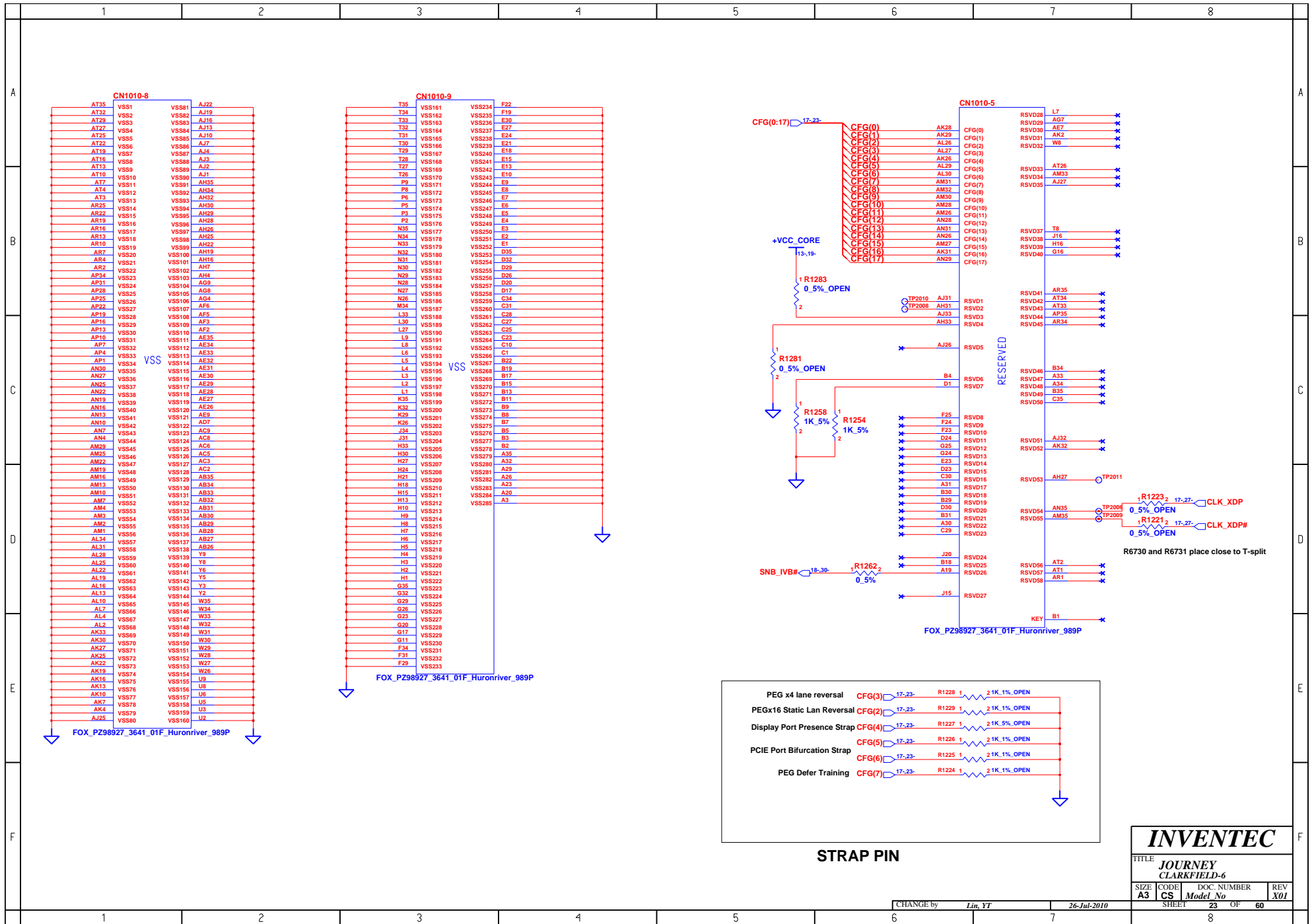
SHEET 21 OF 60

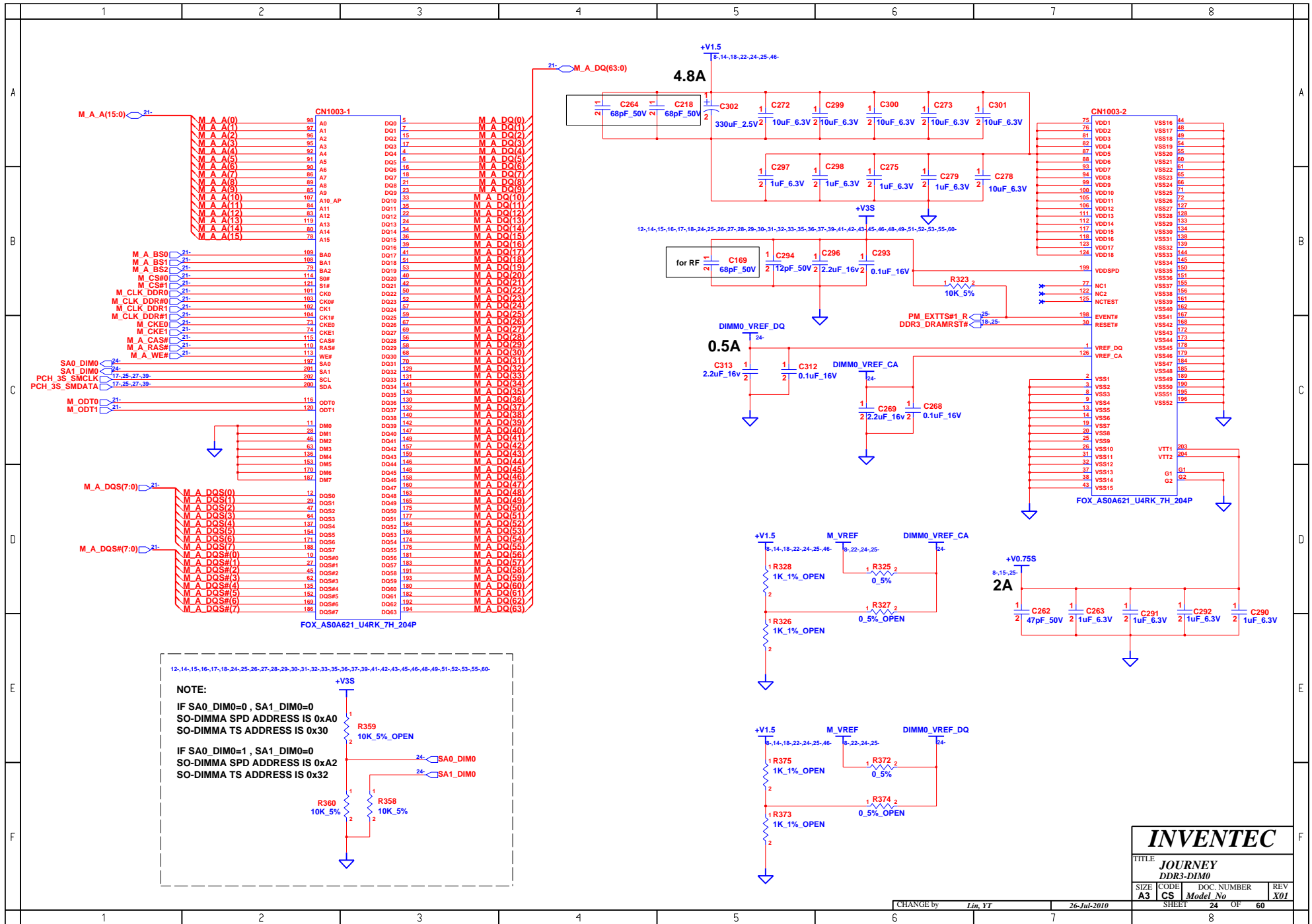


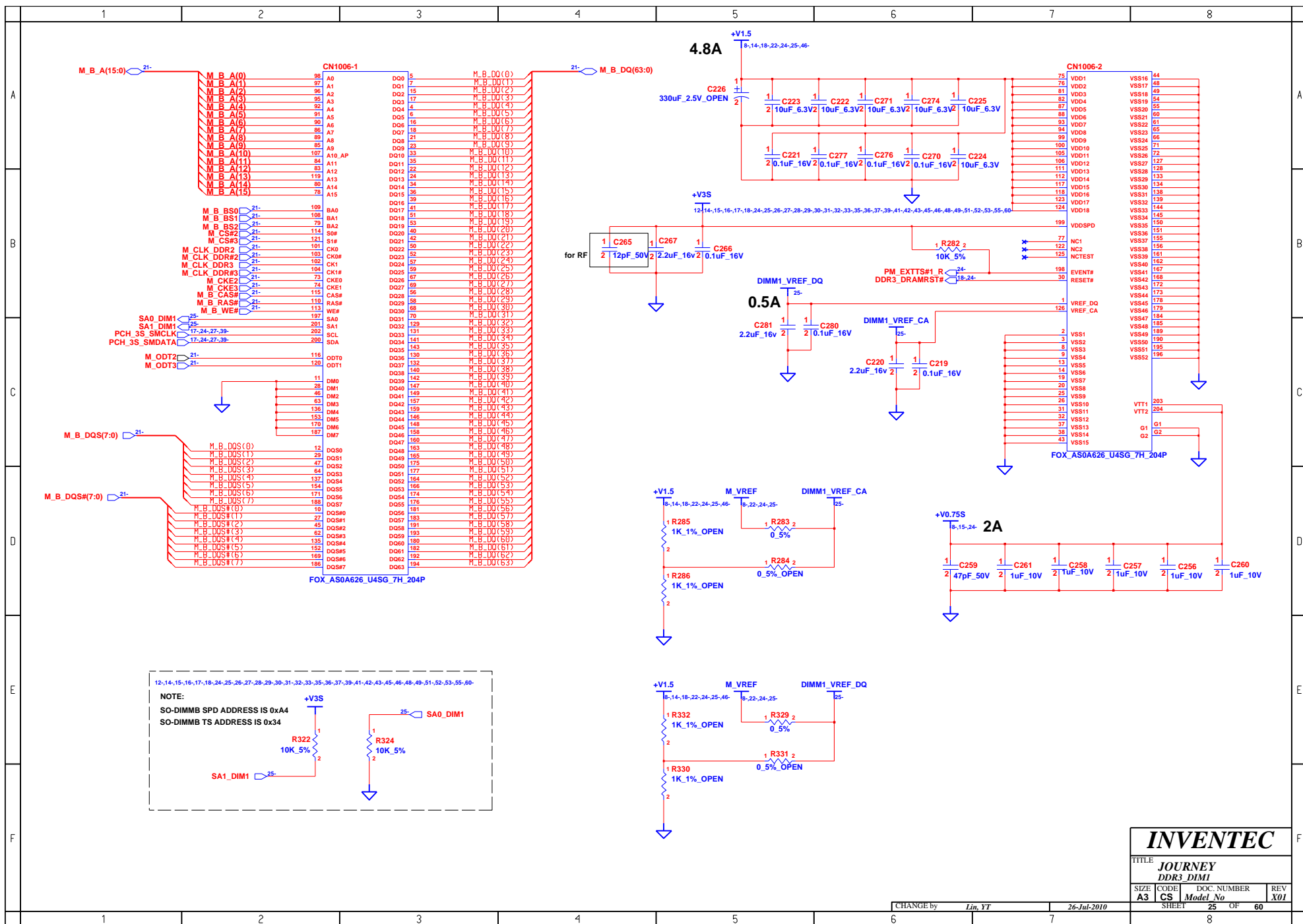
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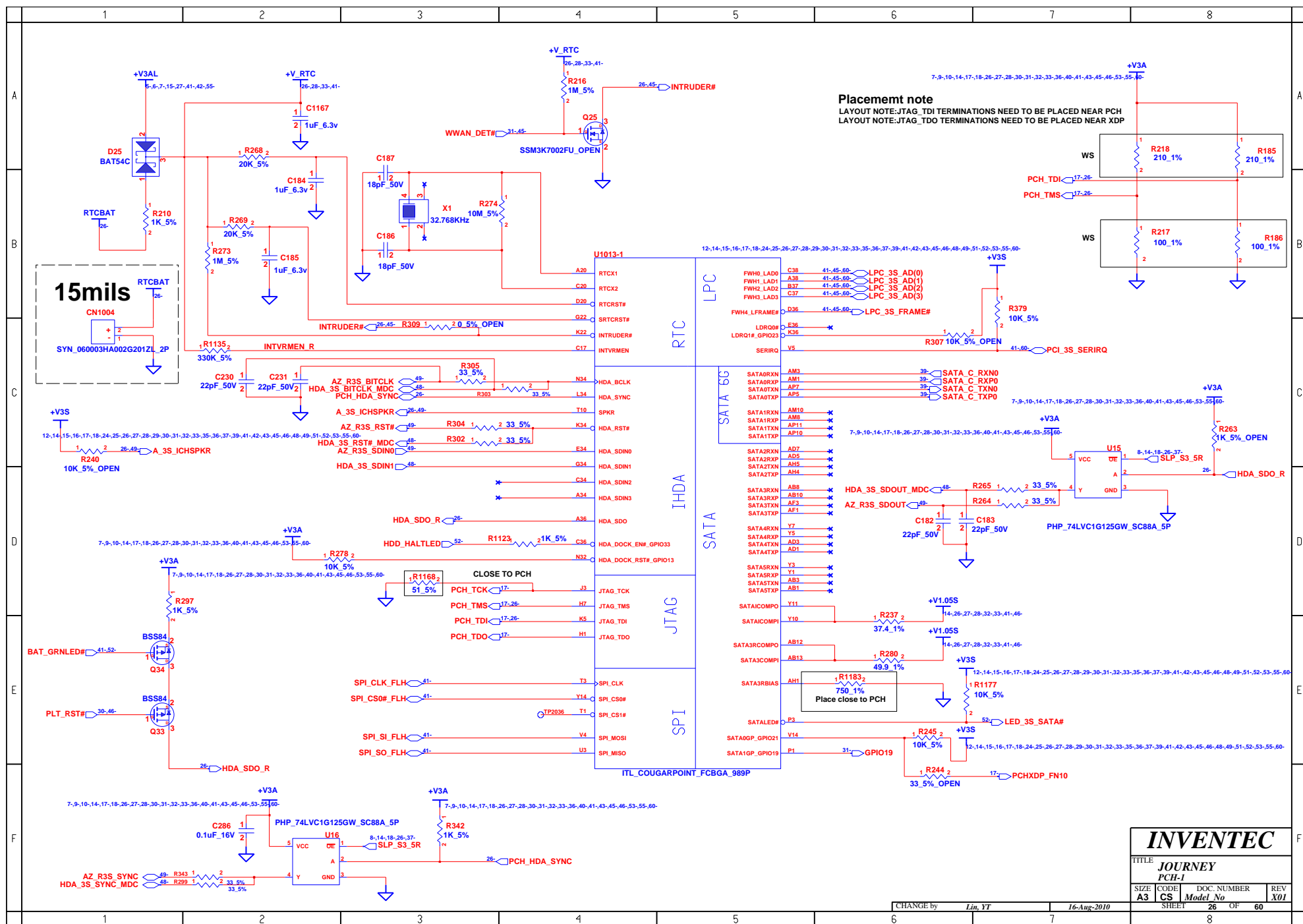
TITLE			
JOURNEY CLARKSFIELD-5			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	X01

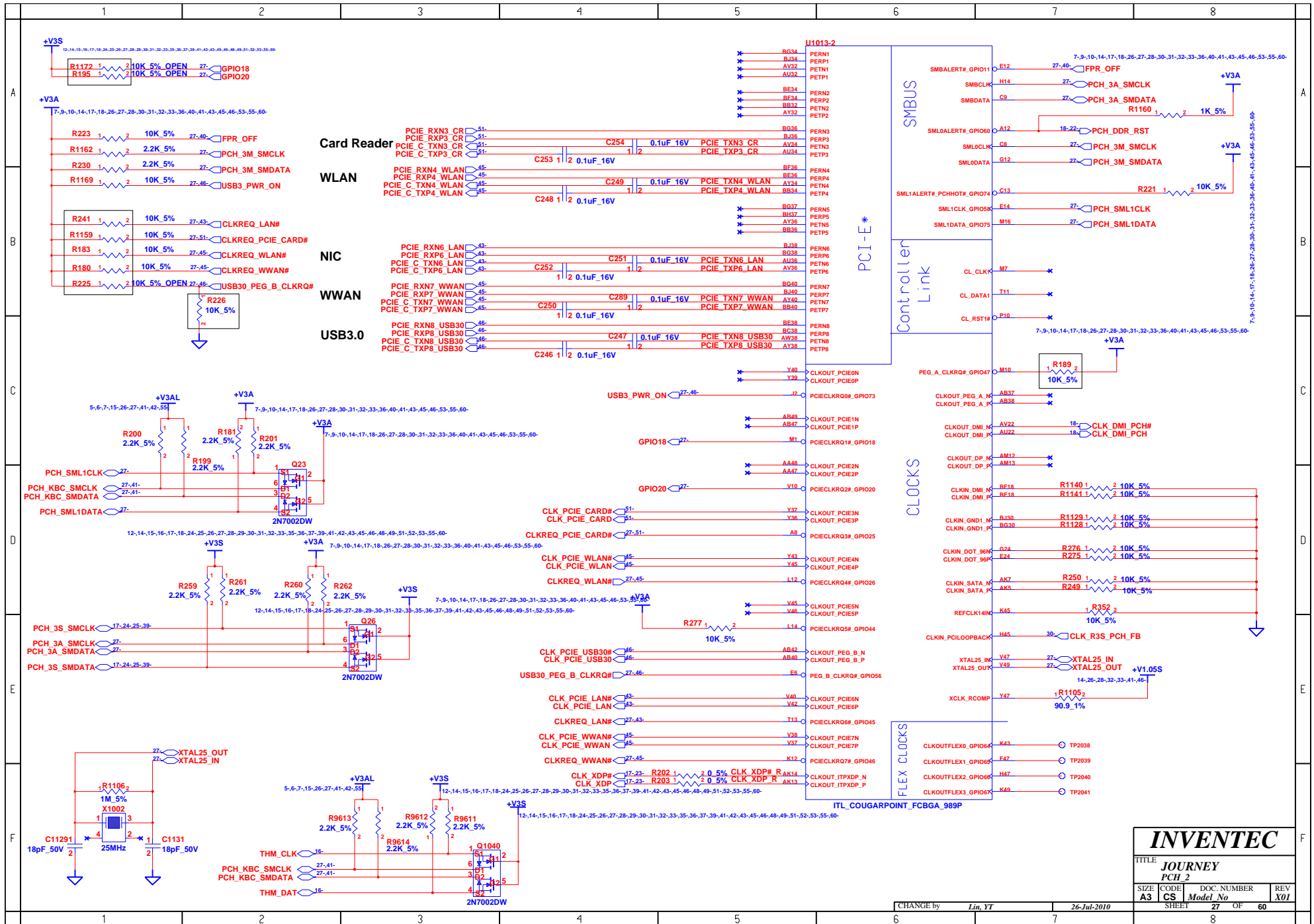
CHANGE by		Ljn, YT	26-Jul-2010
SHEET	22	OF	60











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TITLE JOURNEY PCH 2			
SIZE A3	CODE CS	DOC. NUMBER <i>Model No</i>	REV X01
SHEET 27		OF 60	

CHANGE by *Ljn, YT* 26-Jul-2010

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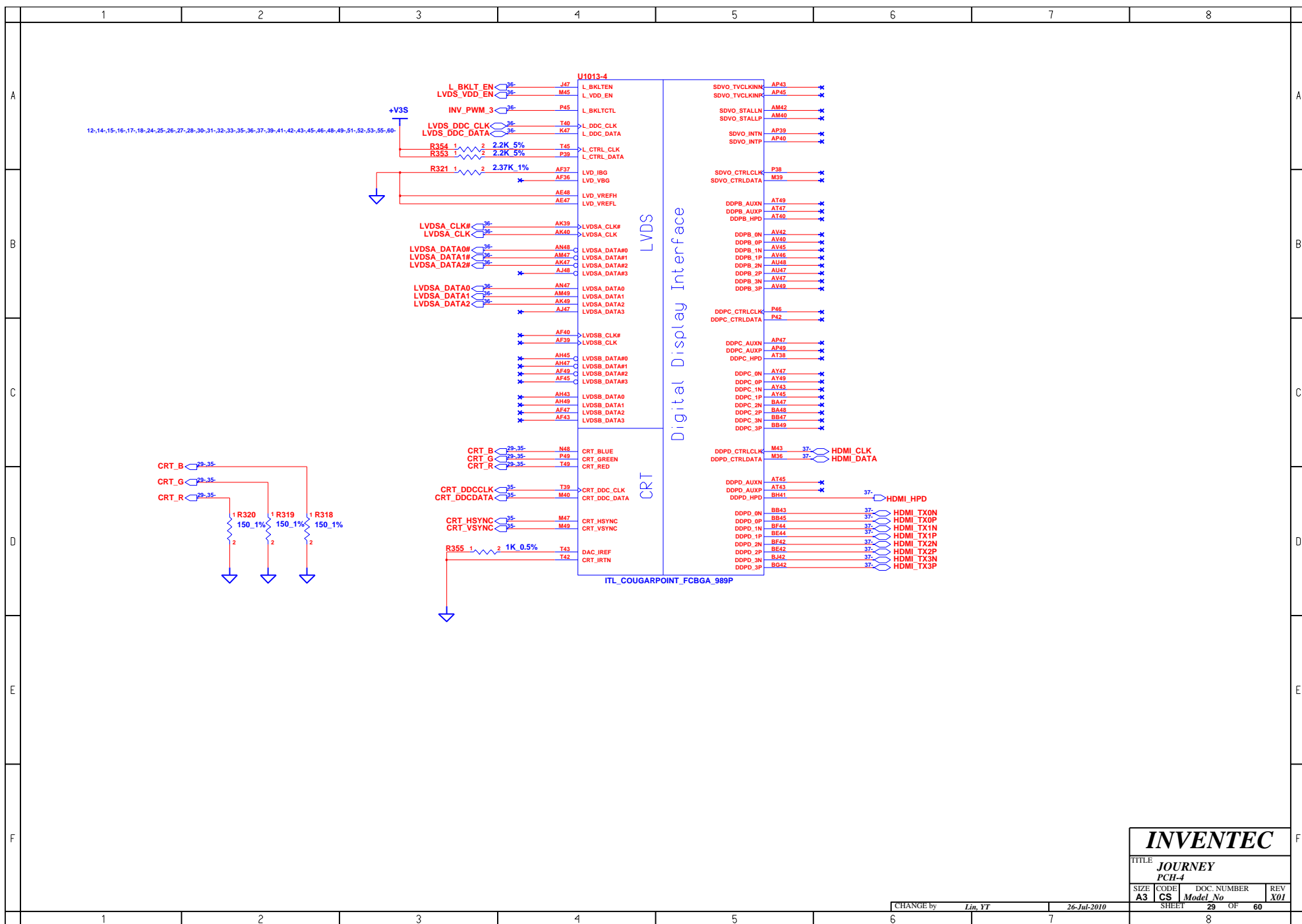
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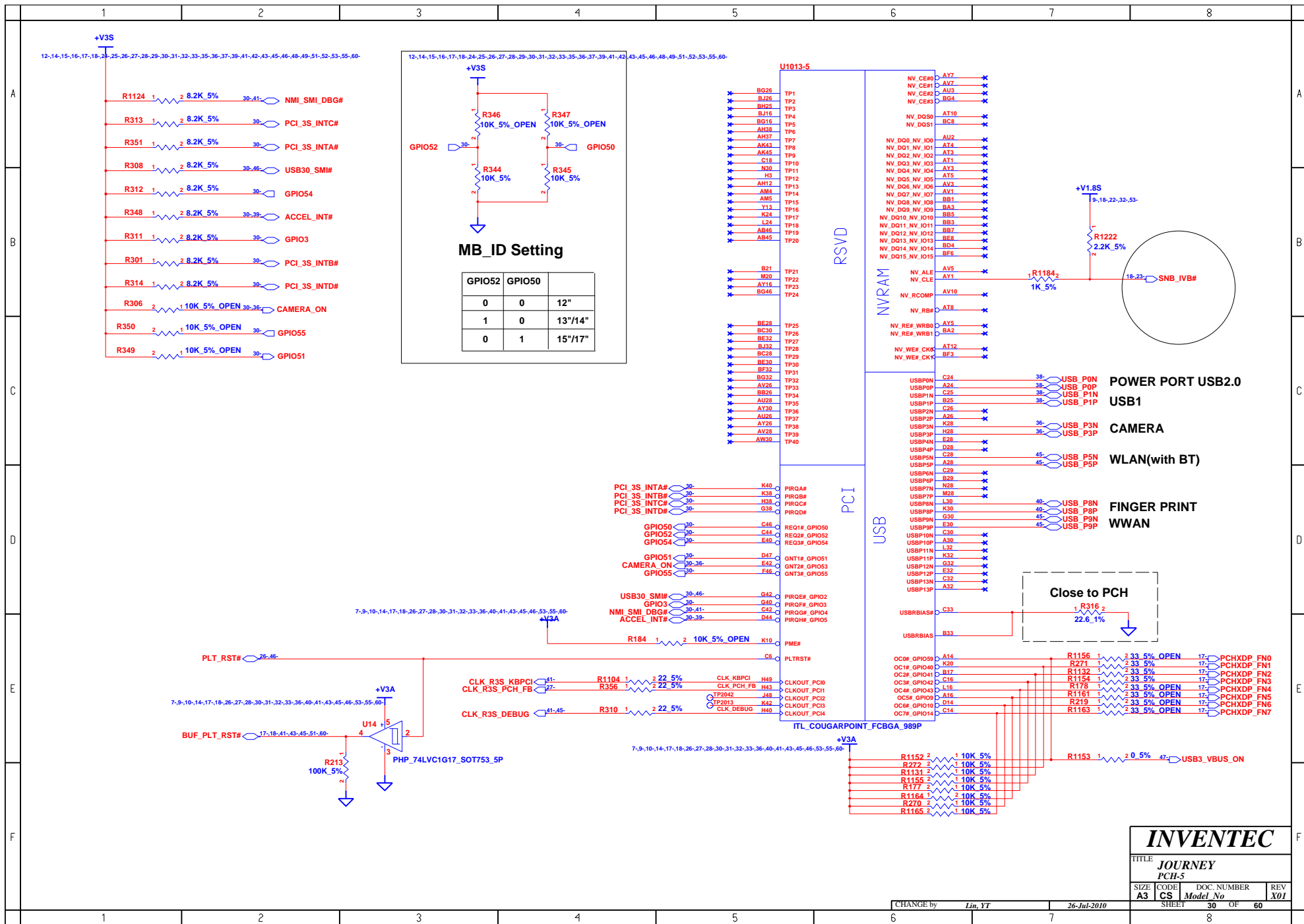
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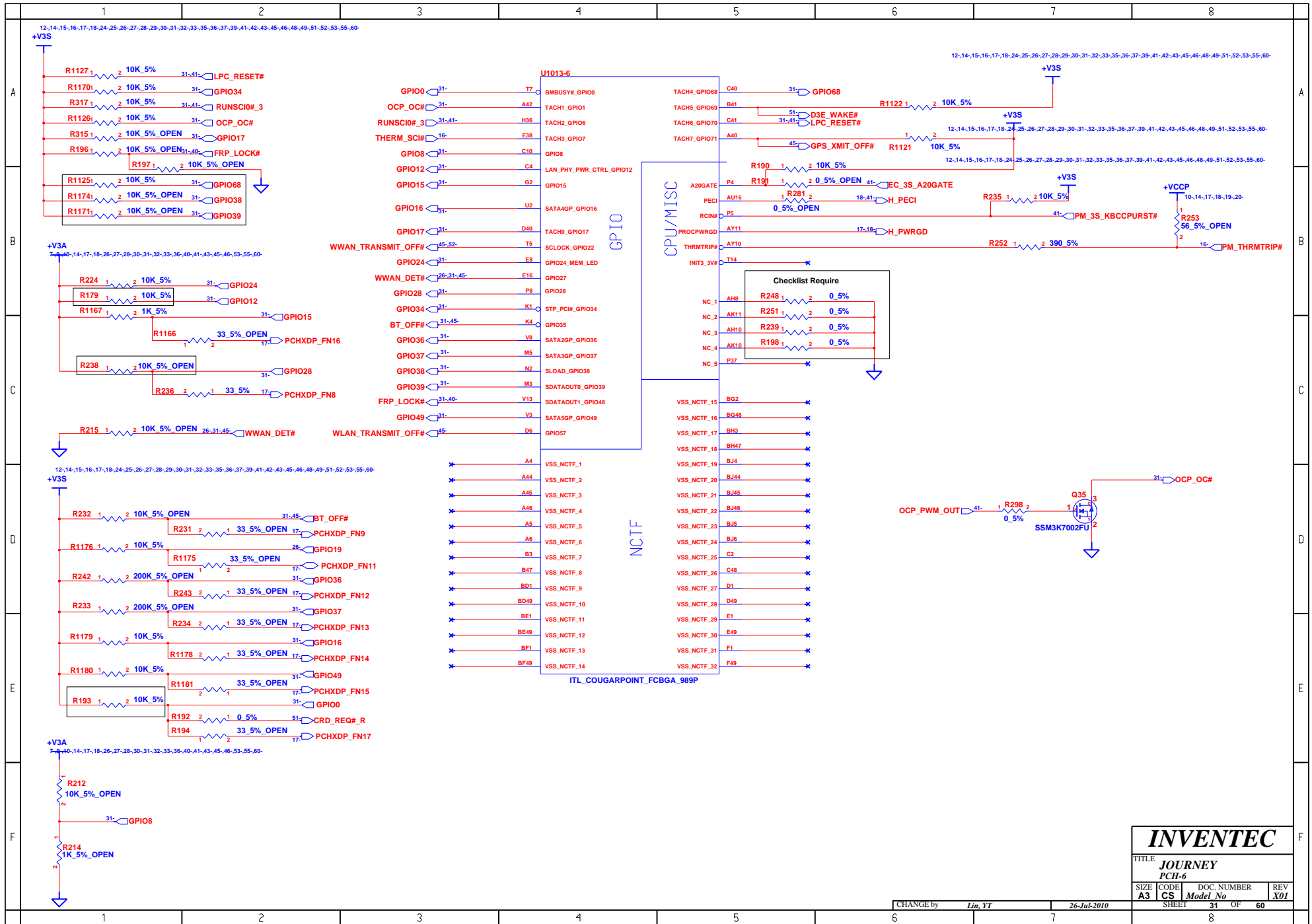
SIZE A3	CODE CS	DOC. NUMBER <i>Model No</i>	REV X01
SHEET 28 OF 60			

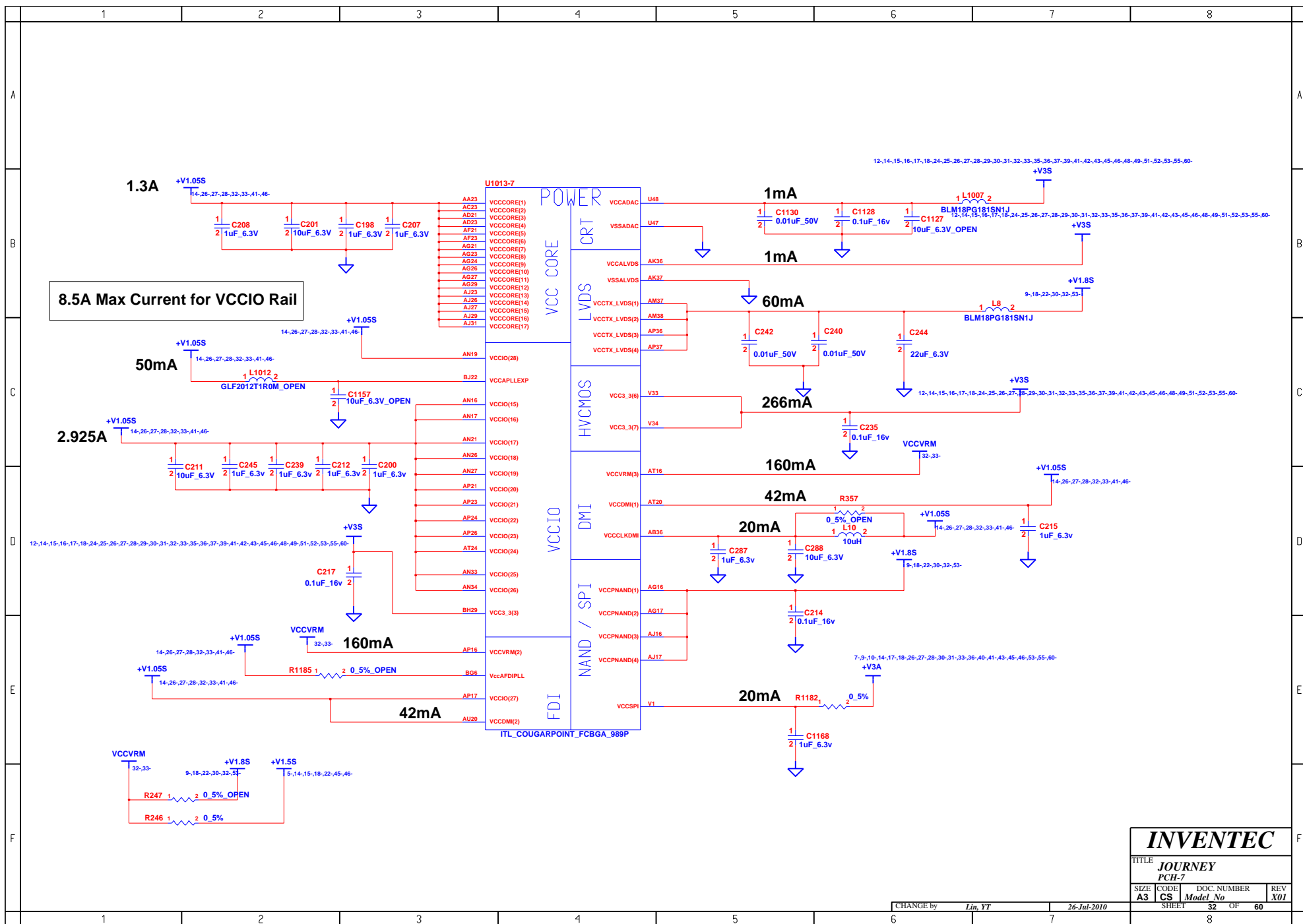
CHANGE by	<i>Lin, YT</i>	26-Jul-2010
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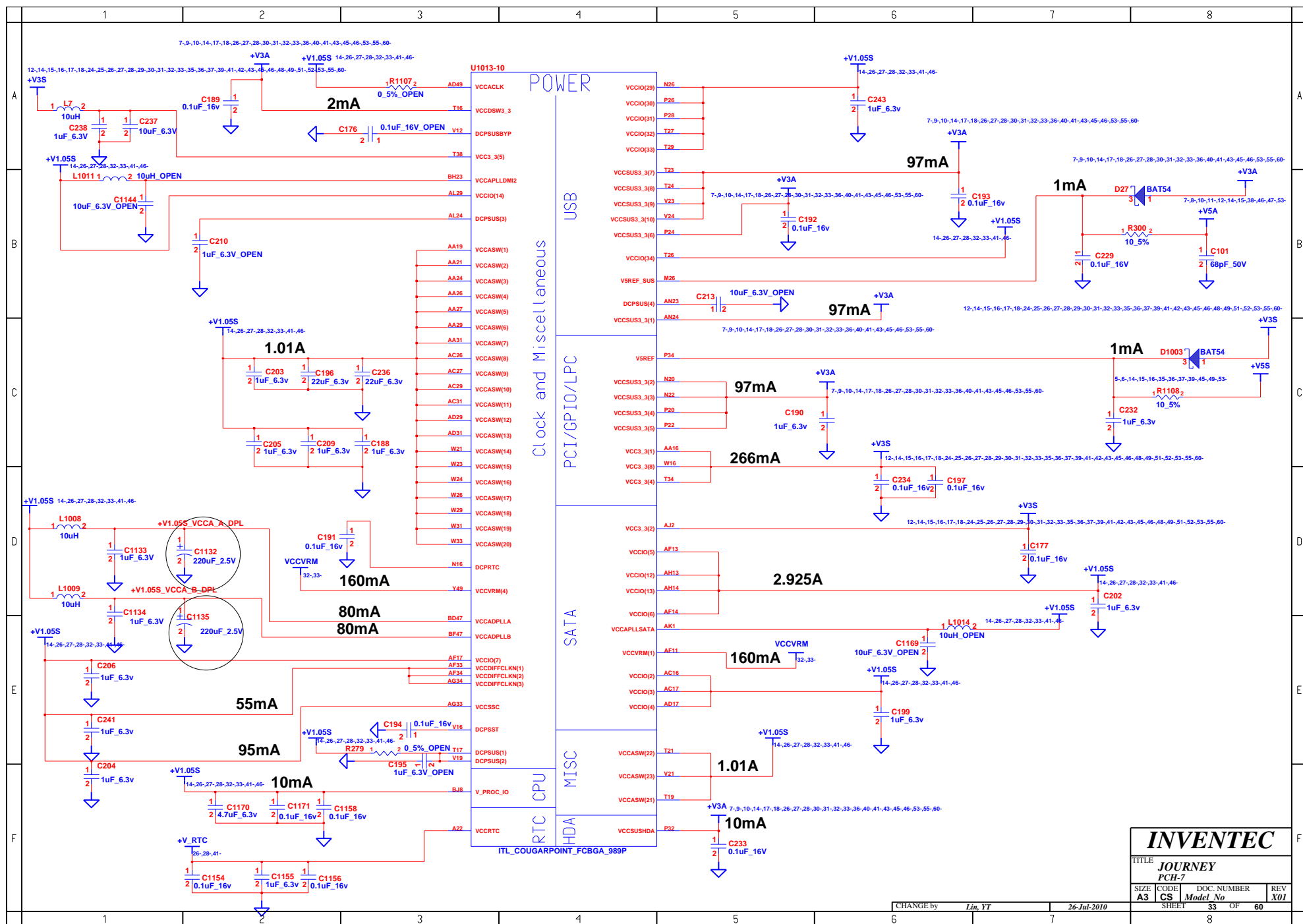


Diagram showing the layout of a PCB (Printed Circuit Board) with components labeled by their pin numbers and names. The components are organized into two main sections: U1013-8 and U1013-9.

U1013-8 Components:

- AA17 VSS(1)
- AA2 VSS(2)
- AA3 VSS(3)
- AA33 VSS(4)
- AA34 VSS(5)
- AB14 VSS(6)
- AB39 VSS(7)
- AB4 VSS(8)
- AB43 VSS(10)
- AB5 VSS(11)
- AB7 VSS(12)
- AC19 VSS(13)
- AC2 VSS(14)
- AC21 VSS(15)
- AC24 VSS(16)
- AC33 VSS(17)
- AC34 VSS(18)
- AC48 VSS(19)
- AD10 VSS(20)
- AD11 VSS(21)
- AD12 VSS(22)
- AD13 VSS(23)
- AD19 VSS(24)
- AD24 VSS(25)
- AD28 VSS(26)
- AD27 VSS(27)
- AD33 VSS(28)
- AD34 VSS(29)
- AD36 VSS(30)
- AD37 VSS(31)
- AD38 VSS(32)
- AD39 VSS(33)
- AD4 VSS(34)
- AD40 VSS(35)
- AD42 VSS(36)
- AD43 VSS(37)
- AD44 VSS(38)
- AD46 VSS(39)
- AD6 VSS(40)
- AE2 VSS(41)
- AE3 VSS(42)
- AF10 VSS(43)
- AF12 VSS(44)
- AD14 VSS(45)
- AD16 VSS(46)
- AF16 VSS(47)
- AF19 VSS(48)
- AF24 VSS(49)
- AF26 VSS(50)
- AF27 VSS(51)
- AF29 VSS(52)
- AF31 VSS(53)
- AF38 VSS(54)
- AF4 VSS(55)
- AF42 VSS(56)
- AF46 VSS(57)
- AF5 VSS(58)
- AF7 VSS(59)
- AF8 VSS(60)
- AG19 VSS(61)
- AG2 VSS(62)
- AG31 VSS(63)
- AG48 VSS(64)
- AH11 VSS(65)
- AH3 VSS(66)
- AH36 VSS(67)
- AH39 VSS(68)
- AH40 VSS(69)
- AH42 VSS(70)
- AH46 VSS(71)
- AH7 VSS(72)
- AJ19 VSS(73)
- AJ21 VSS(74)
- AJ24 VSS(75)
- AJ33 VSS(76)
- AJ34 VSS(77)
- AK12 VSS(78)
- AK3 VSS(79)

U1013-9 Components:

- AY4 VSS(159)
- AY42 VSS(160)
- AY46 VSS(161)
- AY8 VSS(162)
- B11 VSS(163)
- B15 VSS(164)
- B19 VSS(165)
- B23 VSS(166)
- B27 VSS(167)
- B31 VSS(168)
- B35 VSS(169)
- B39 VSS(170)
- B7 VSS(171)
- B45 VSS(172)
- BB12 VSS(173)
- BB16 VSS(174)
- BB20 VSS(175)
- BB22 VSS(176)
- BB24 VSS(177)
- BB28 VSS(178)
- BB30 VSS(179)
- BB38 VSS(180)
- BB4 VSS(181)
- BB46 VSS(182)
- BC14 VSS(183)
- BC18 VSS(184)
- BC2 VSS(185)
- BC22 VSS(186)
- BC26 VSS(187)
- BC32 VSS(188)
- BC34 VSS(189)
- BC36 VSS(190)
- BC40 VSS(191)
- BC42 VSS(192)
- BC48 VSS(193)
- BD46 VSS(194)
- B05 VSS(195)
- BE22 VSS(196)
- BE26 VSS(197)
- BE40 VSS(198)
- BF10 VSS(199)
- BF12 VSS(200)
- BF16 VSS(201)
- BF20 VSS(202)
- BF22 VSS(203)
- BF24 VSS(204)
- BF26 VSS(205)
- BF28 VSS(206)
- B03 VSS(207)
- BF30 VSS(208)
- BF38 VSS(209)
- BF40 VSS(210)
- BFS VSS(211)
- B017 VSS(212)
- B021 VSS(213)
- B033 VSS(214)
- B044 VSS(215)
- B08 VSS(216)
- BH11 VSS(217)
- BH15 VSS(218)
- BH17 VSS(219)
- BH19 VSS(220)
- H10 VSS(221)
- BH27 VSS(222)
- BH31 VSS(223)
- BH33 VSS(224)
- BH35 VSS(225)
- BH39 VSS(226)
- BH43 VSS(227)
- BH7 VSS(228)
- D3 VSS(229)
- D12 VSS(230)
- D16 VSS(231)
- D18 VSS(232)
- D22 VSS(233)
- D24 VSS(234)
- D26 VSS(235)
- D30 VSS(236)
- D32 VSS(237)
- D34 VSS(238)
- D38 VSS(239)
- D42 VSS(240)
- D8 VSS(241)
- E18 VSS(242)
- E26 VSS(243)
- G18 VSS(244)
- G20 VSS(245)
- G26 VSS(246)
- G28 VSS(247)
- G36 VSS(248)
- G48 VSS(249)
- H12 VSS(250)
- H18 VSS(251)
- H22 VSS(252)
- H24 VSS(253)
- H26 VSS(254)
- H32 VSS(255)
- H30 VSS(256)
- H34 VSS(257)
- F3 VSS(258)

Legend:

- ITL COUGARPOINT_FCBGA 989P
- ITL COUGARPOINT_FCBGA 989P

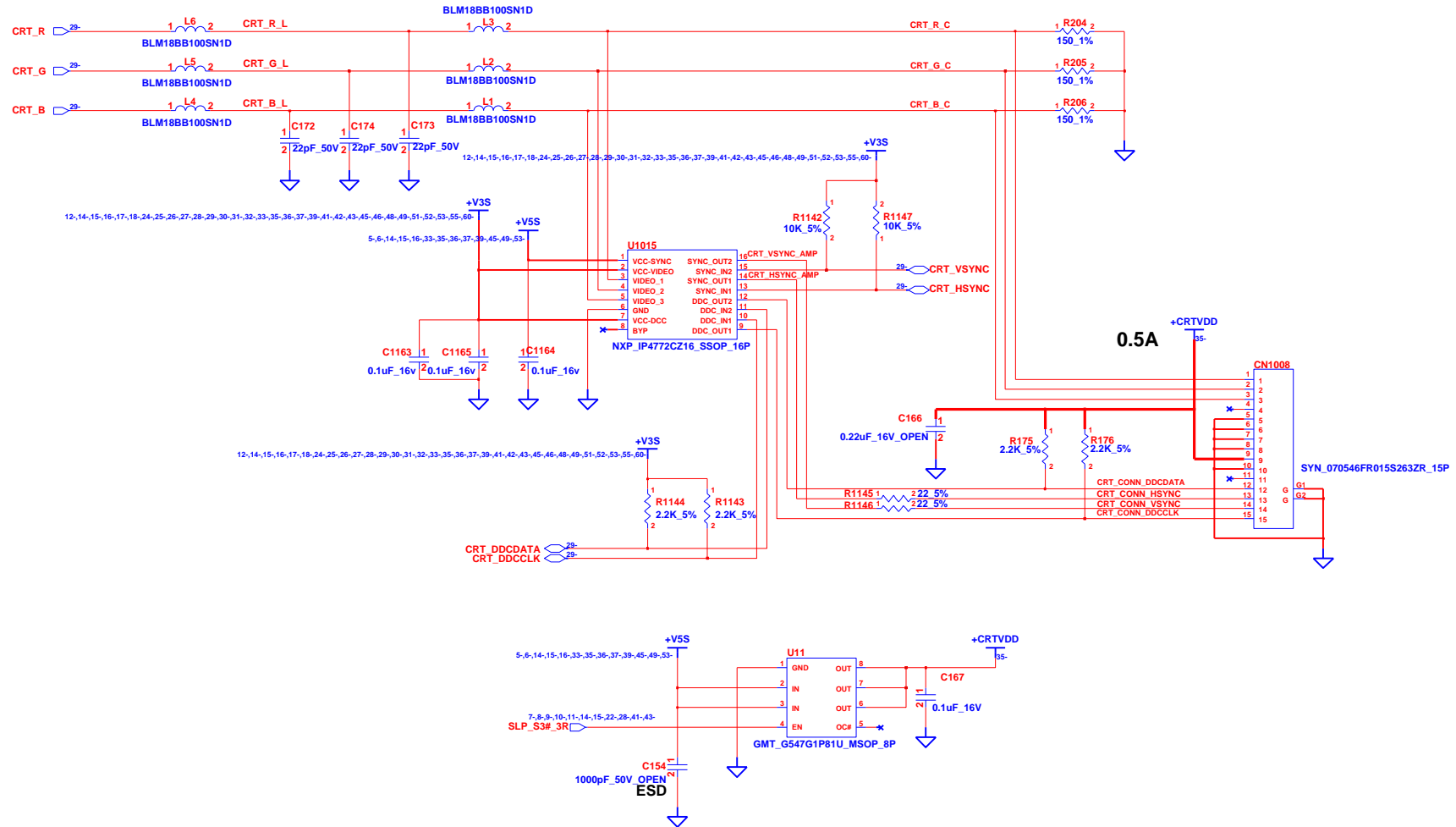
INVENTEC JOURNEY PCH-8

SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	X01

CHANGE by Lin, YT 26-Jul-2010

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CRT



INVENTEC

TITLE			
JOURNEY			
CRT & DP			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	X01
SHEET		35	OF 60

CHANGE by Lin YT 26-Jul-2010

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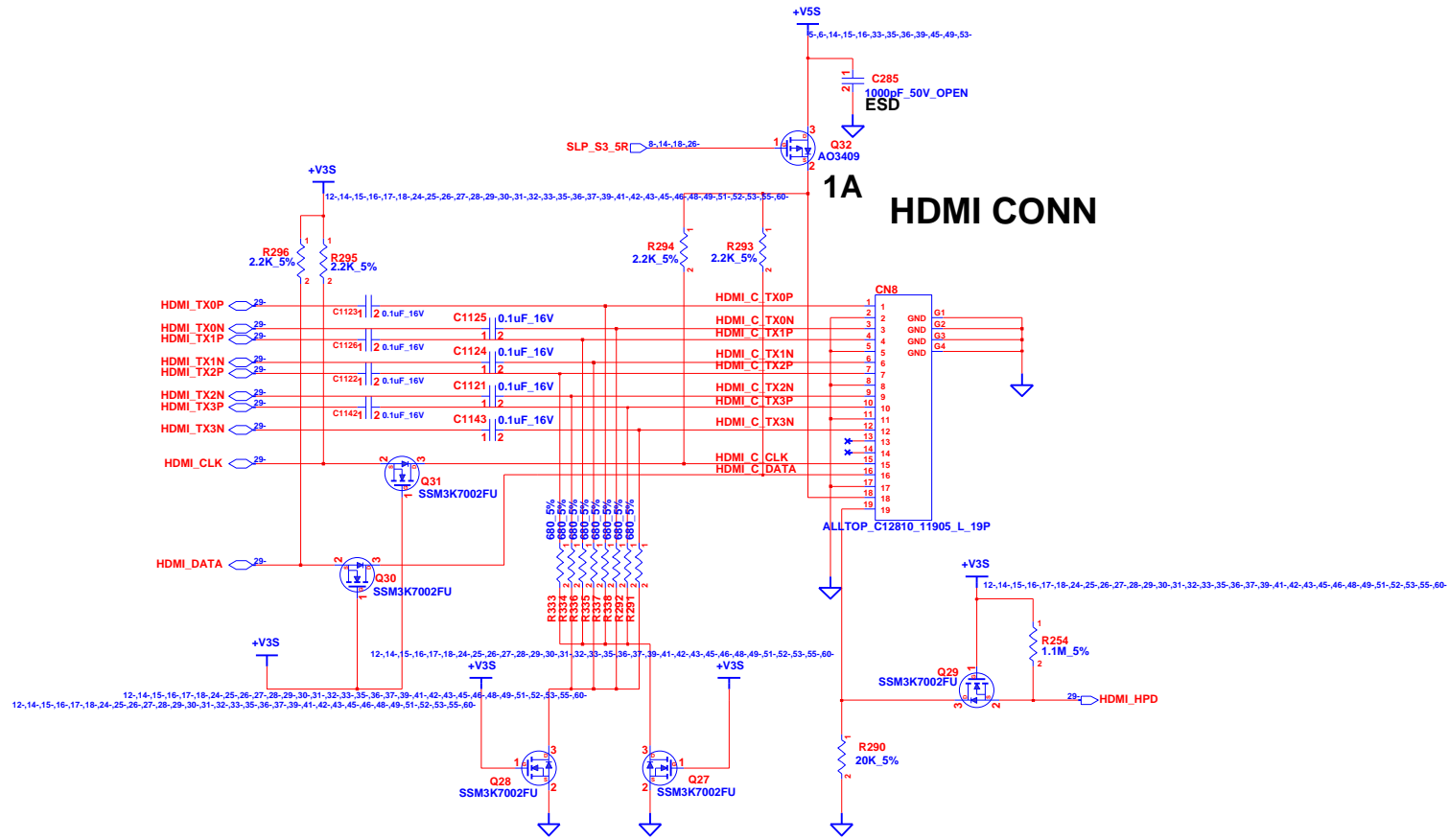
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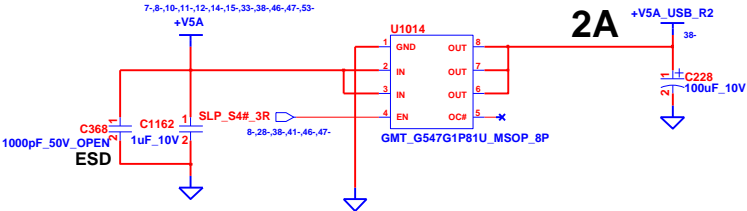
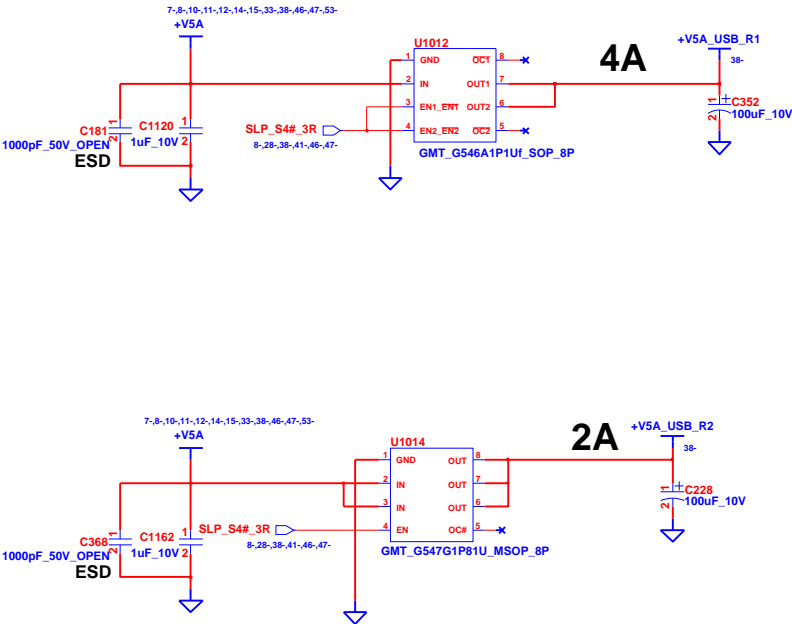
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TITLE			
JOURNEY LCM & WEBCAM			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	<i>Model No</i>	X01

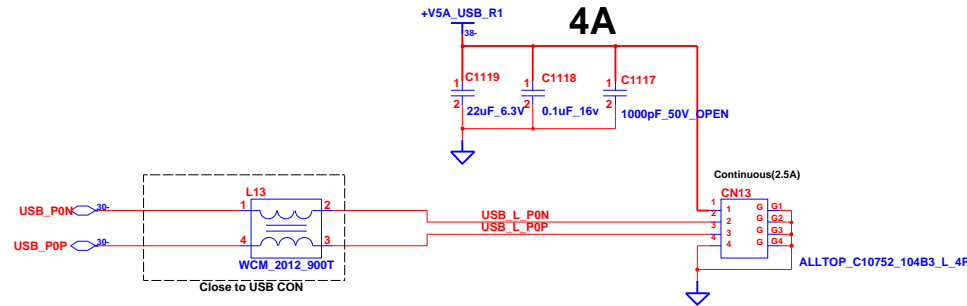
CS Model No
SHEET 36 OF 60



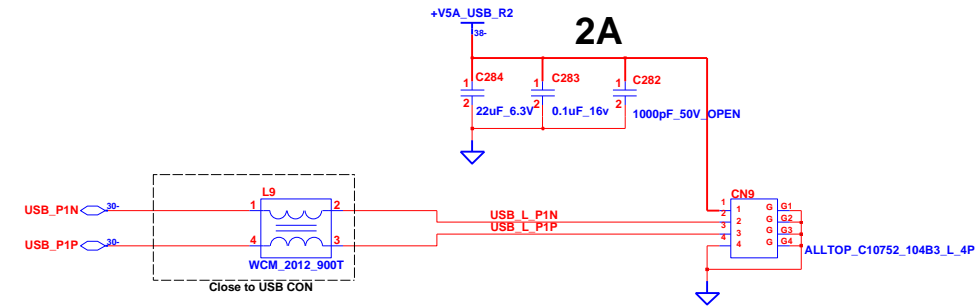
USB2.0 CONN(Right side)



USB Power port Conn



USB 2.0 Conn



INVENTEC

TITLE			
JOURNEY			
USB & ESATA COMBO			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	X01

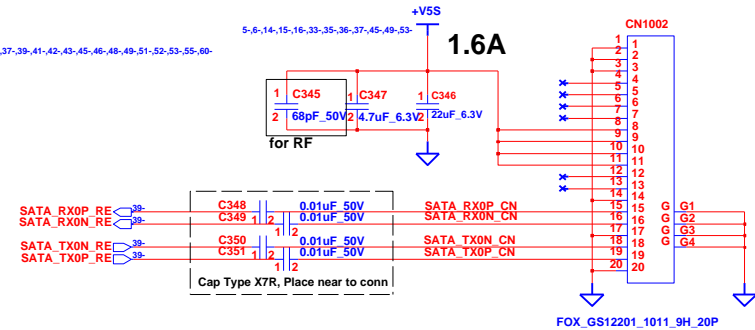
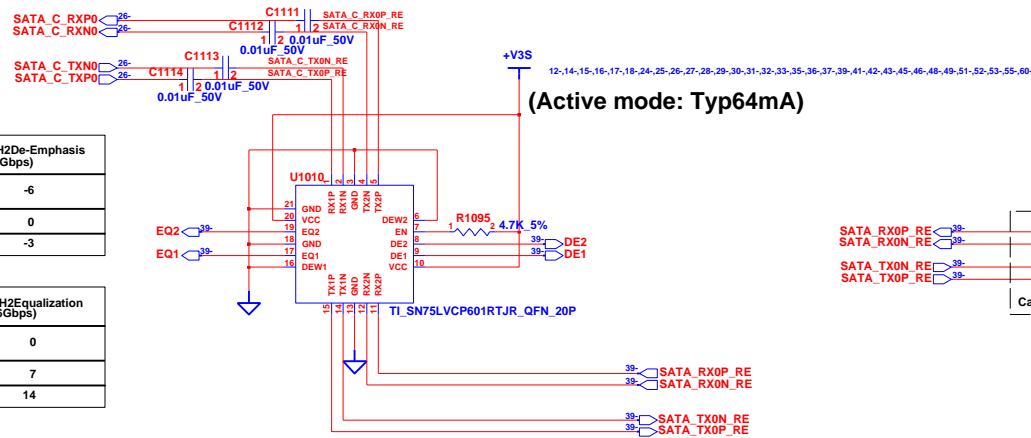
CHANGE by Lin YT 26-Jul-2010

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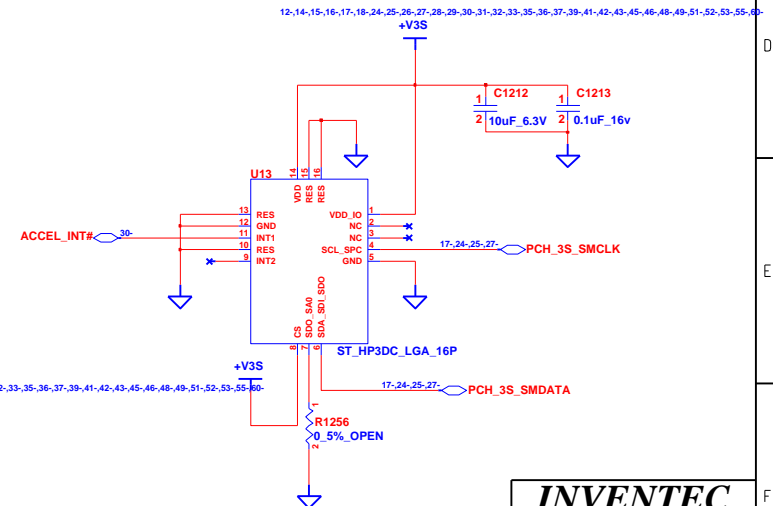
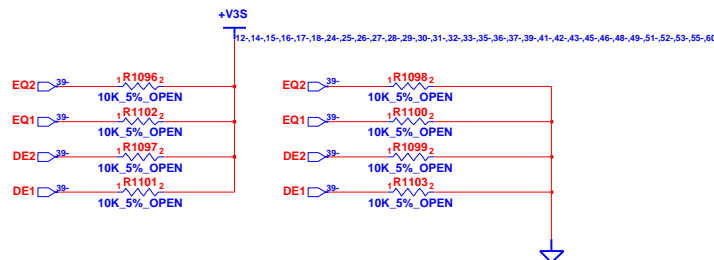
SATA HDD CONN & G-SENSOR

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



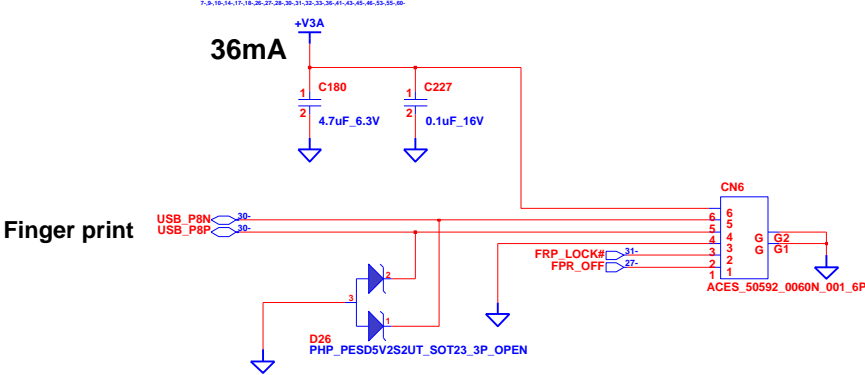
INVENTEC

TITLE			
JOURNEY			
SATA HDD & ODD			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	X01

CHANGE by Lin, YT 26-Jul-2010

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MB to FP BOARD

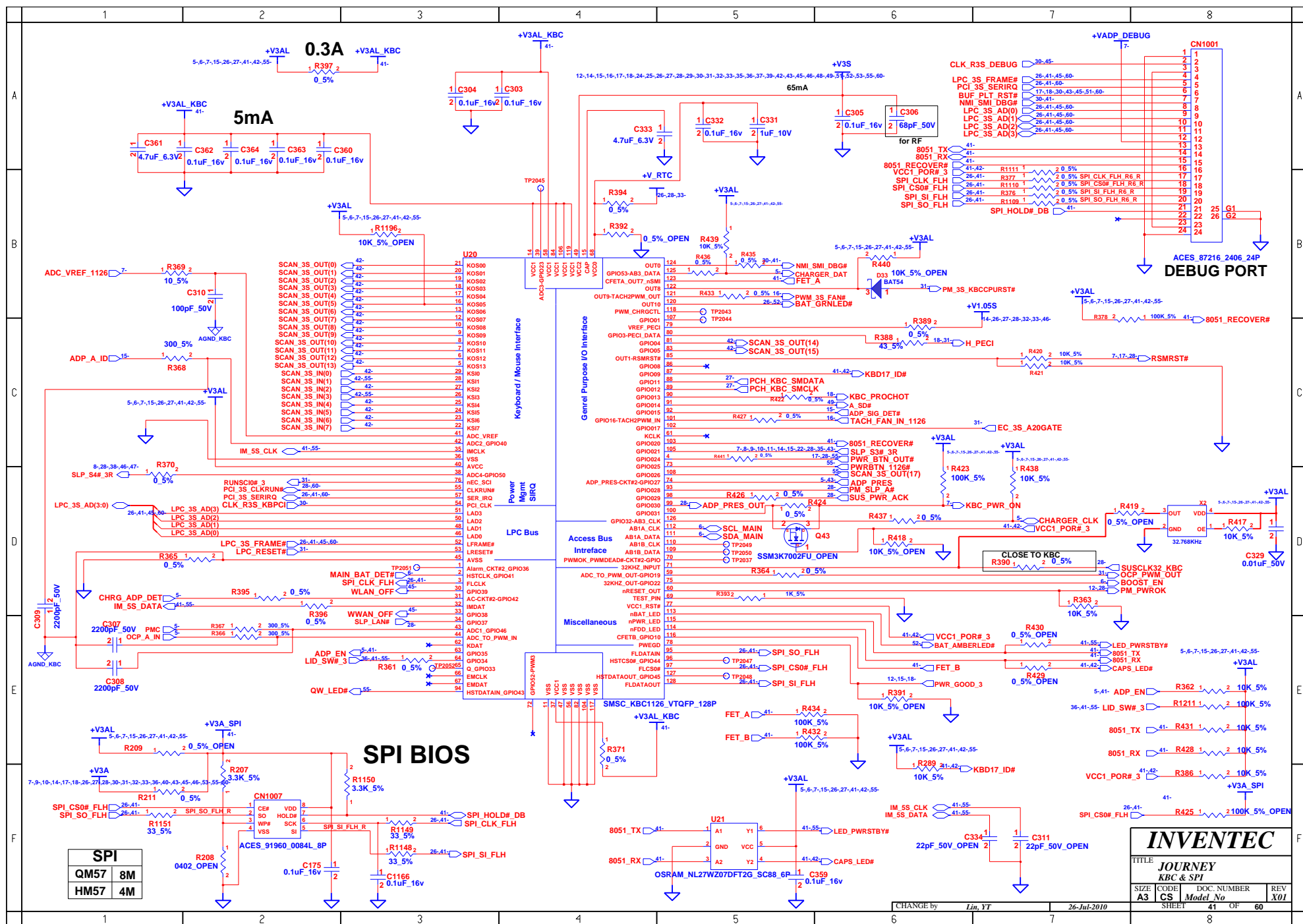


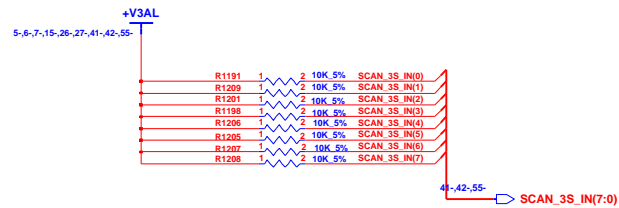
INVENTEC

TITLE			
JOURNEY			
BLUETOOTH & FINGER PRINTER			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	X01

CHANGE by Lin YT 26-Jul-2010

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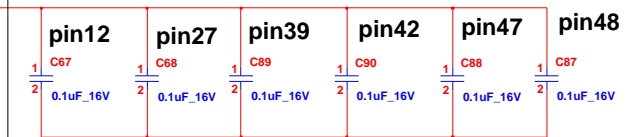
CHANGE by	<i>Lin, YT</i>	26-Jul-2010
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LAN

+V3_LAN rising time:1ms~100ms

0.5A

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

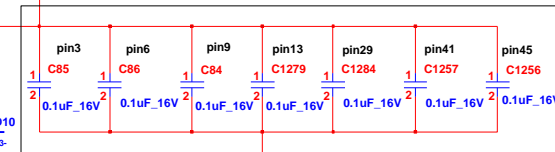


Placed near LAN Controller

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_RXN6_LAN

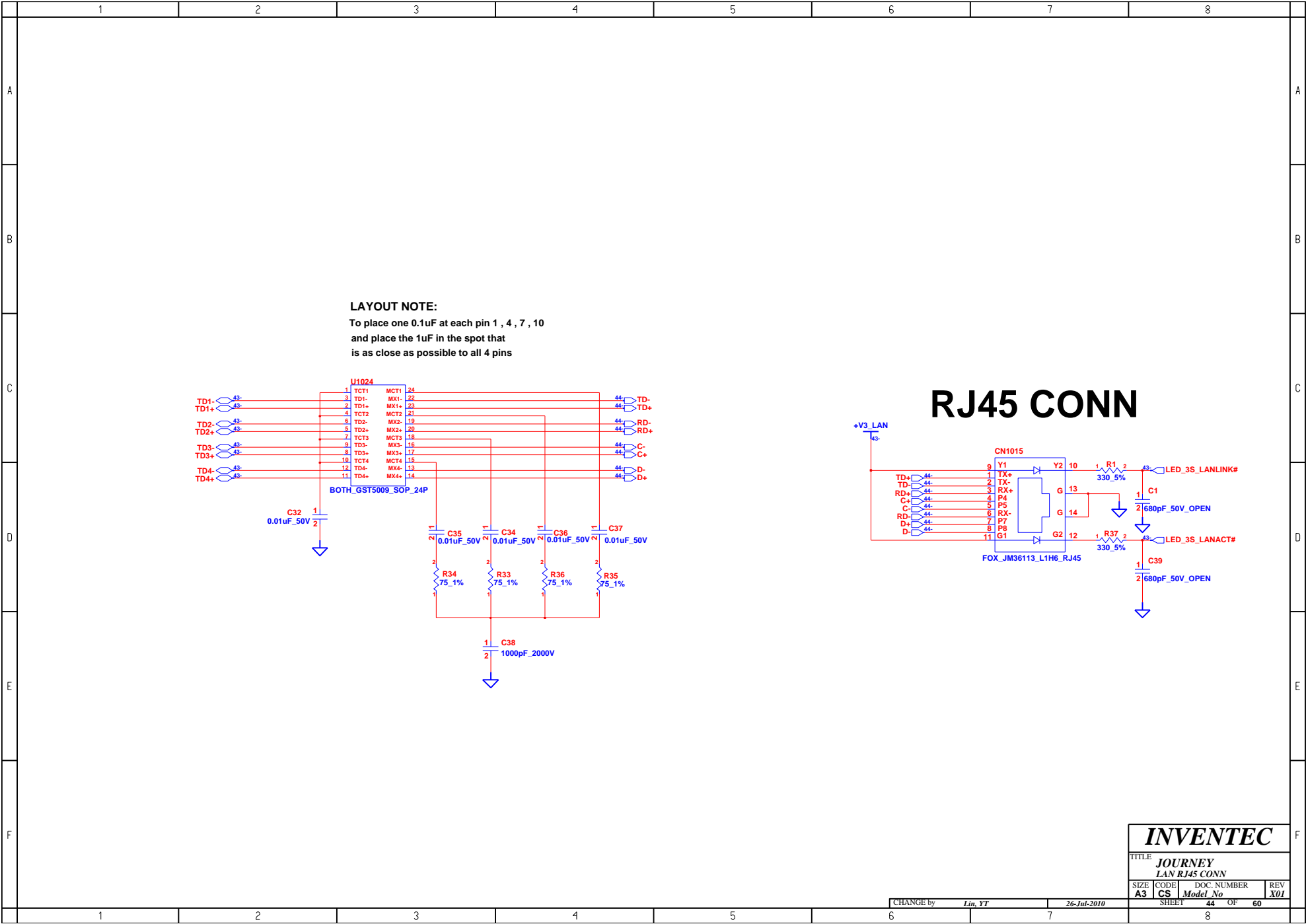
INVENTEC

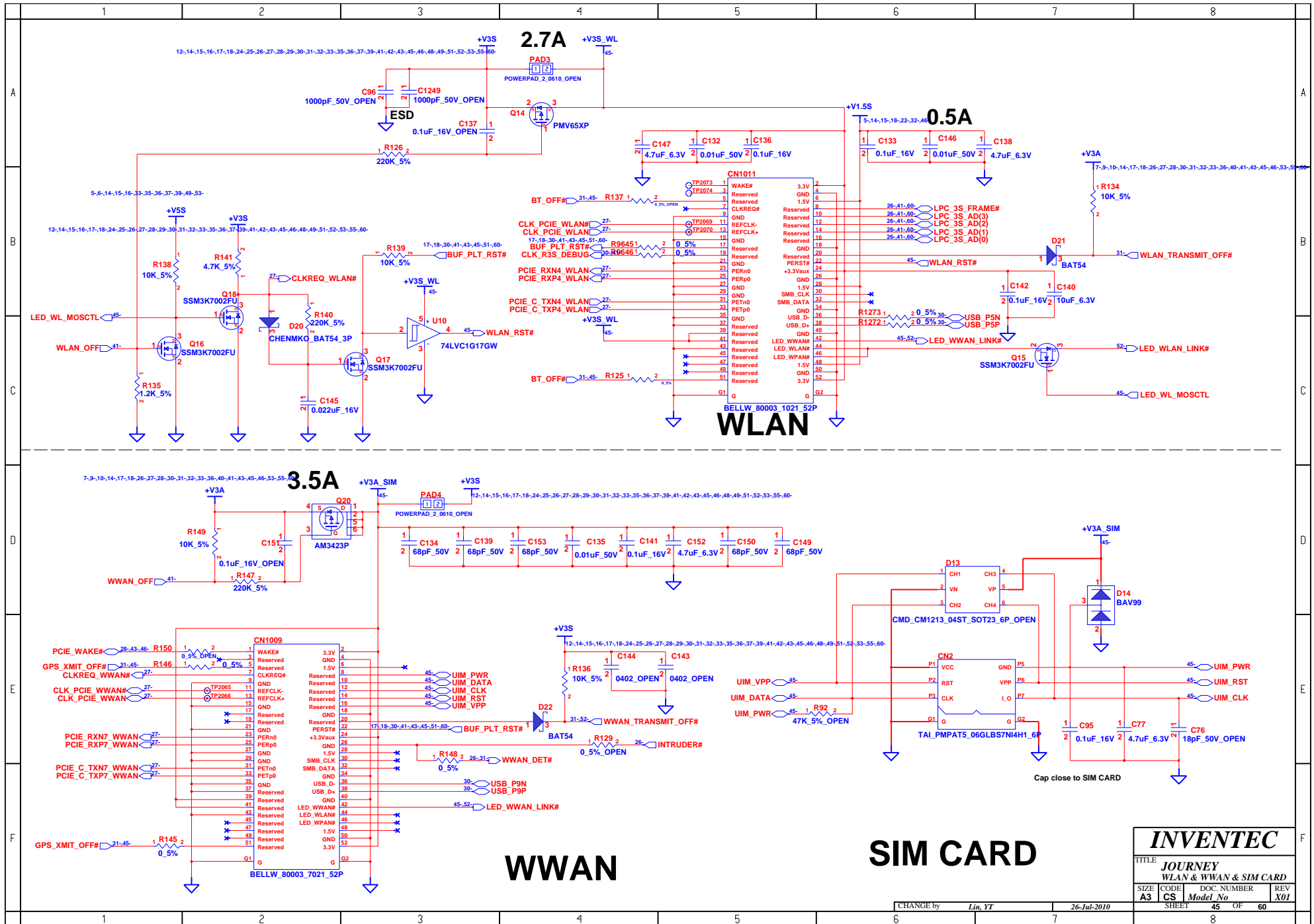
TITLE
JOURNEY
LAN INTERFACE

SIZE CODE CS DOC. NUMBER REV
A3 Model No X01

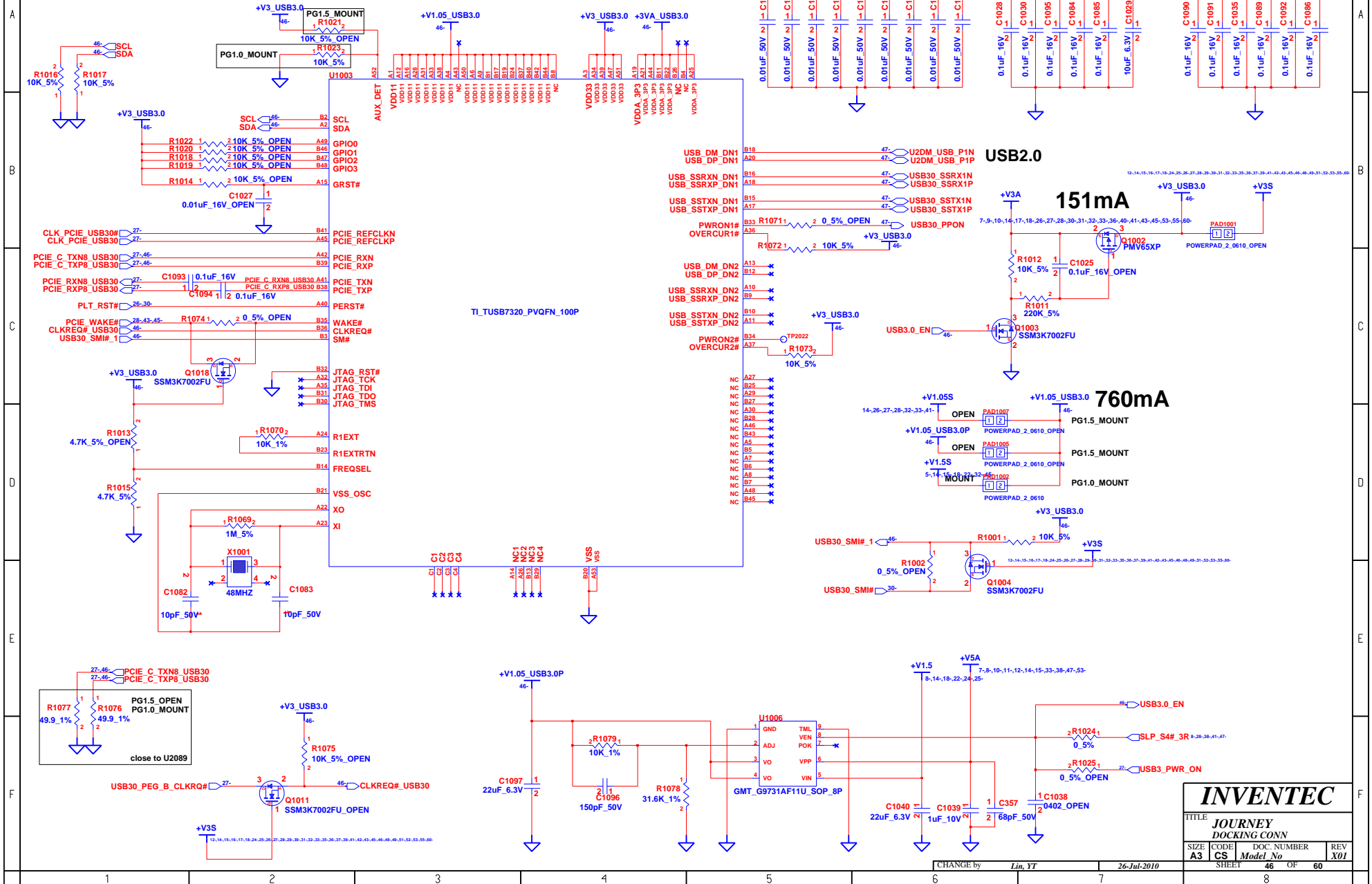
CHANGE by Lin_YT 30-Jul-2010

SHEET 43 OF 60

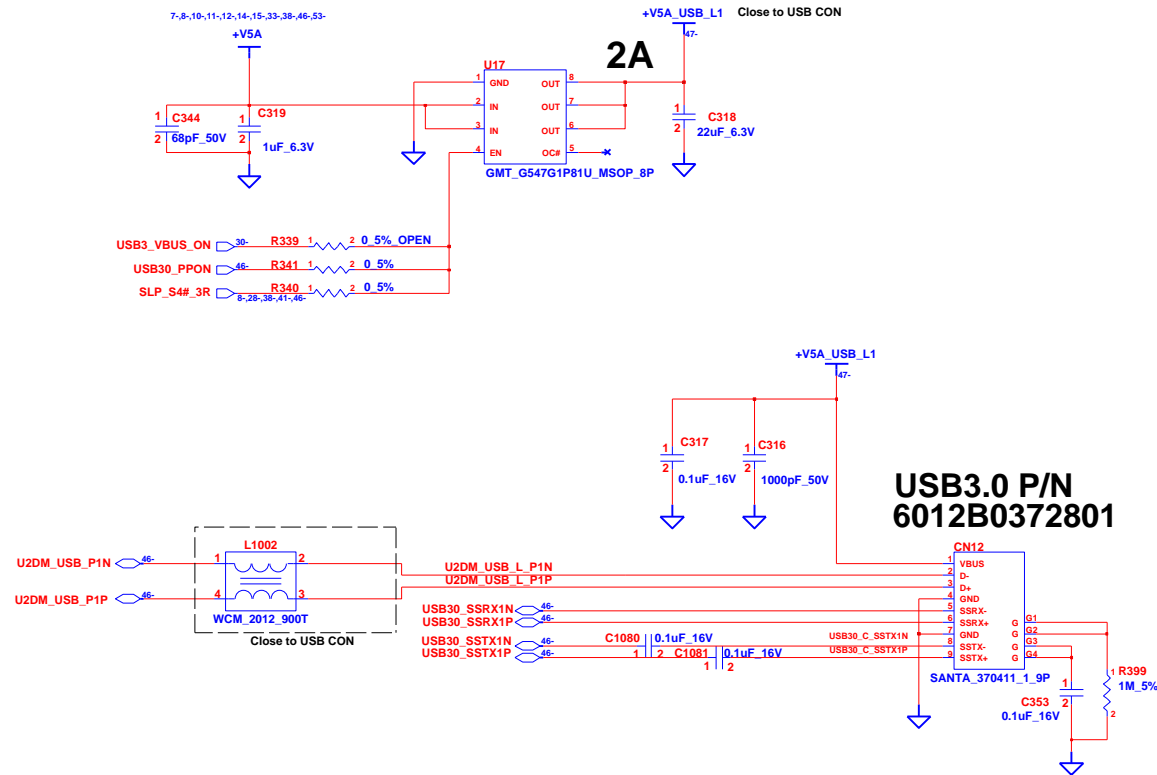




USB3.0 CONTROLLER



USB3.0 CONN(Left side)

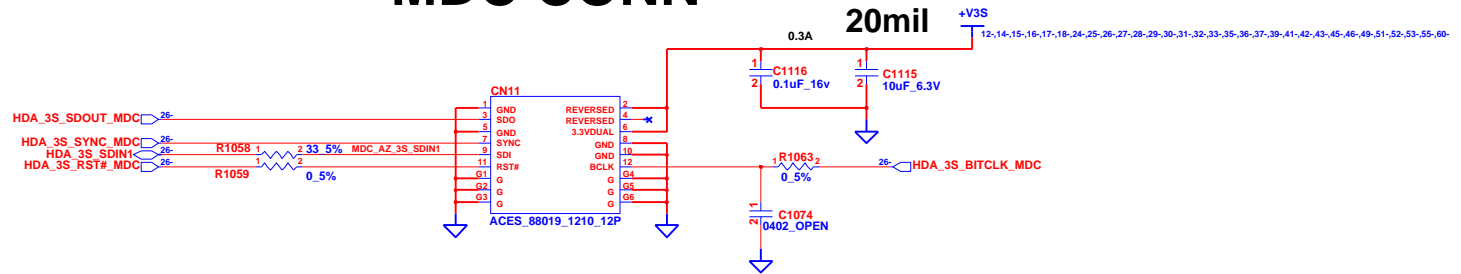


INVENTEC

TITLE: **JOURNEY**
 power /wlan /wlan /Bt LED
 SIZE: **A3** CODE: **CS** DOC. NUMBER: **Model No** REV: **X01**
 SHEET: **47** OF: **60**

CHANGE by: *Ljn, YT* 26-Jul-2010

MDC CONN



INVENTEC

TITLE
HR-MB-121-0720

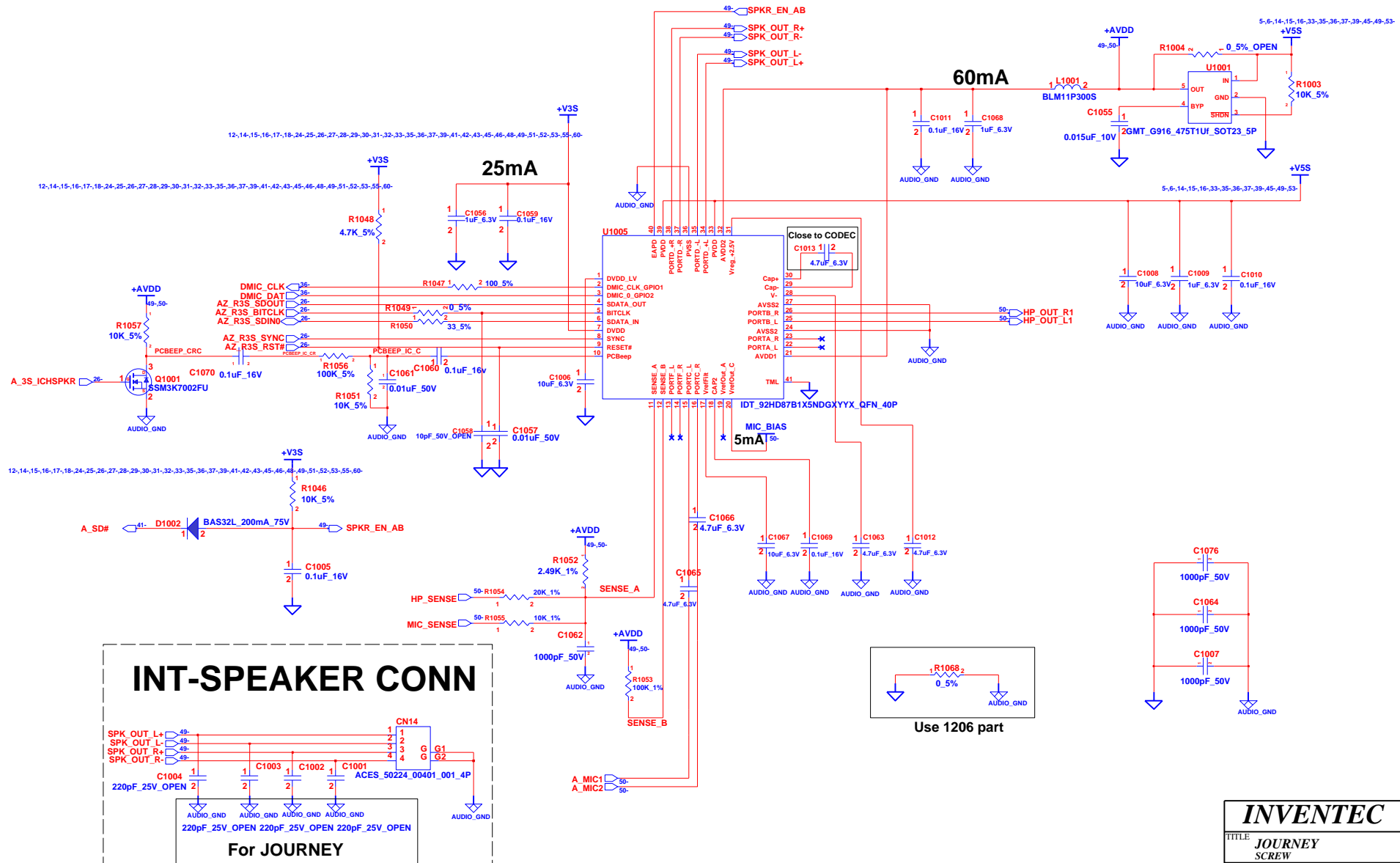
SIZE A3	CODE CS	DOC. NUMBER	REV
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CHANGE by **JOURNEY** 10-Aug-2010

SHEET 48 OF 60

8

AUDIO



INVENTEC				
TITLE <i>JOURNEY</i> <i>SCREW</i>				
SIZE A3	CODE CS	DOC. NUMBER <i>Model No</i>		REV <i>X01</i>
SHEET		49	OF	60
9				

CHANGE by Lin YT 26-Jul-2010

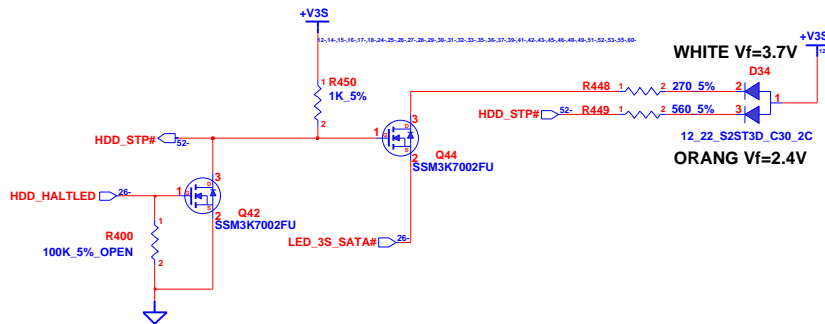
1



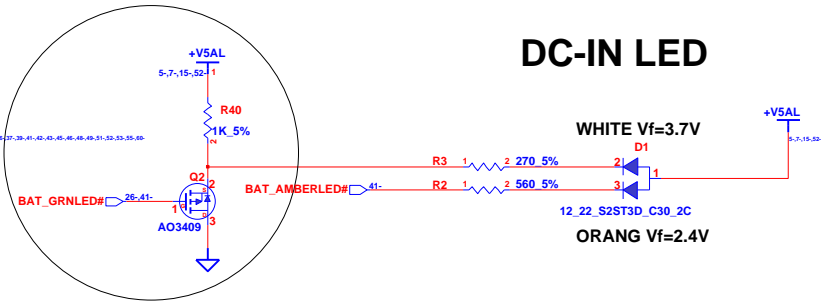
51	OF	60
♀		

LED

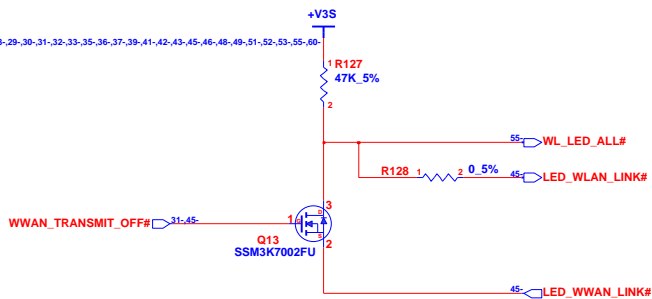
SATA LED & HDD-HALTED LED



DC-IN LED



WLAN_WWAN_Bluetooth_LED



INVENTEC

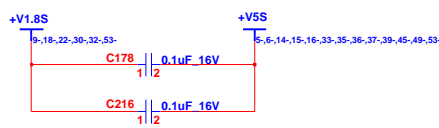
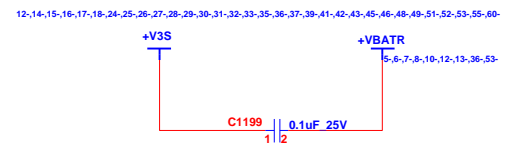
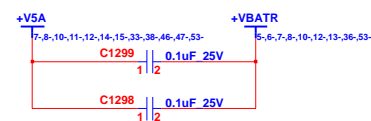
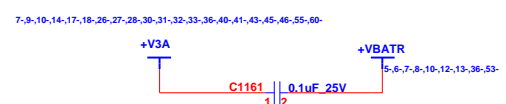
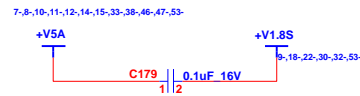
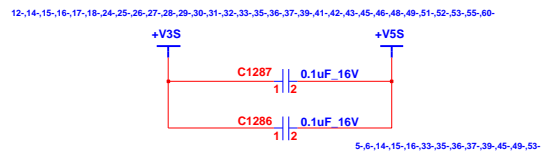
TITLE **JOURNEY**

SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	X01

CHANGE by Lin_YT 26-Jul-2010

SHEET 52 OF 60

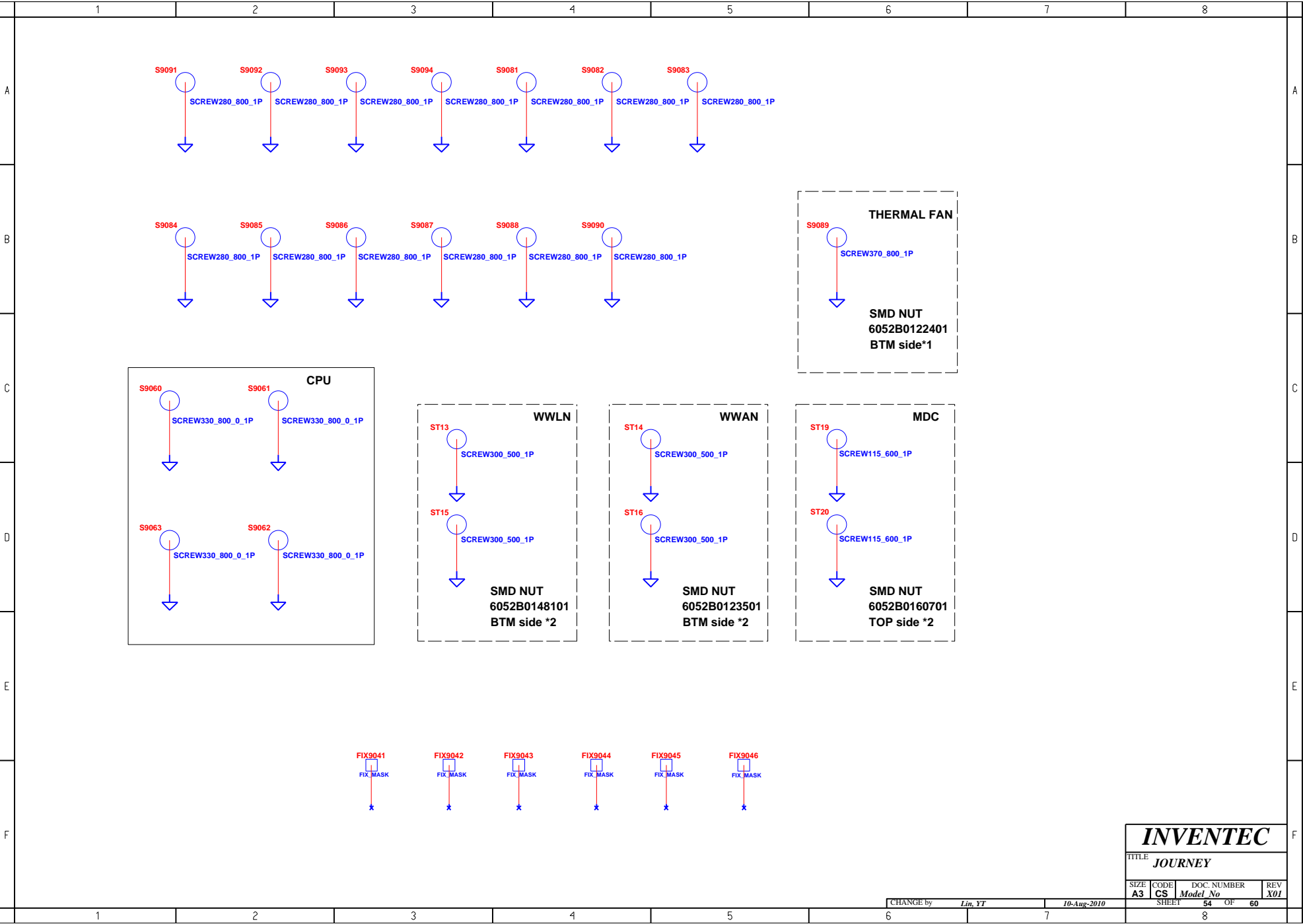
STITCHING CAPS



INVENTEC

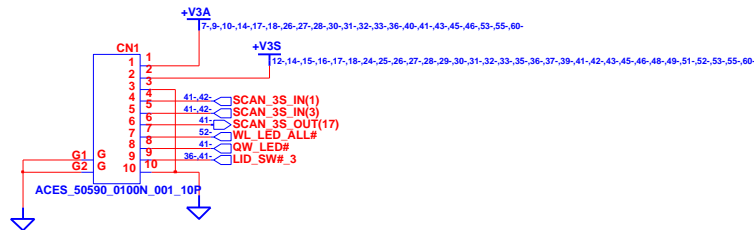
TITLE			
JOURNEY			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	X01
SHEET		53	OF 60

CHANGE by Lin, YT 26-Jul-2010

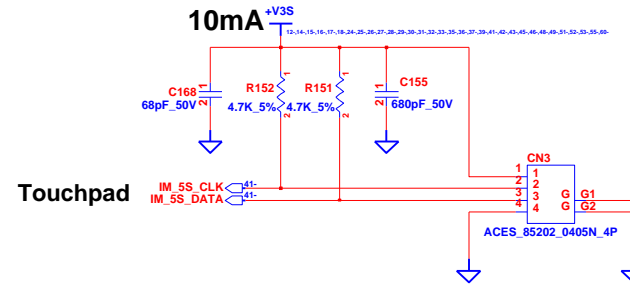


Wire to board Conn on MB

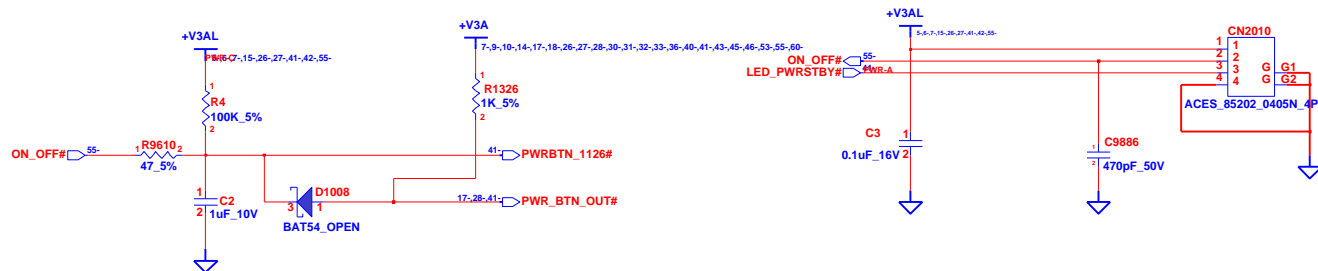
MB to Launch BOARD



MB to PICK Button BOARD



MB to POWER BOARD

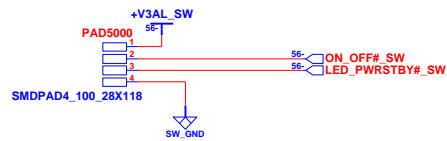


INVENTEC			
TITLE JOURNEY CARD READER			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV X01
SHEET 55		OF 60	

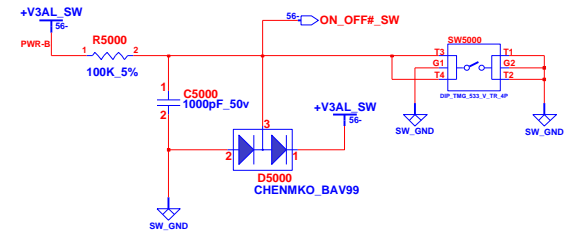
CHANGE by Lin YT 26-Jul-2010

DB Power Board

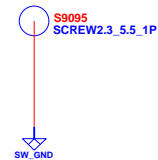
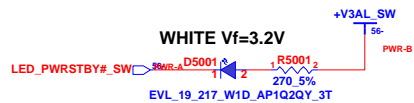
PWR SW W/B CONN



Power Button



Power / Standby LED



INVENTEC

TITLE **JOURNEY**

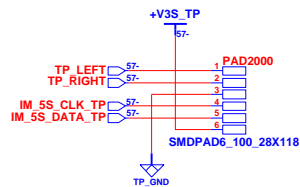
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	X01

CHANGE by *Ljn_YT* 26-Jul-2010

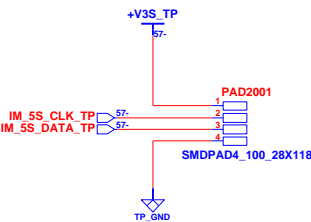
SHEET 56 OF 60

DB PICK Button Board

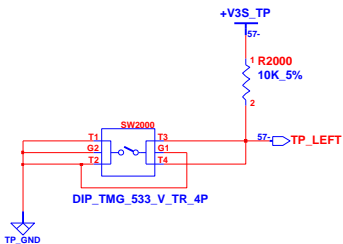
To Touchpad Module



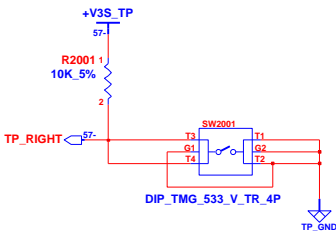
To MB KBC



LEFT BUTTON



RIGHT BUTTON



FIX9021
FIX_MASK

FIX9022
FIX_MASK

INVENTEC

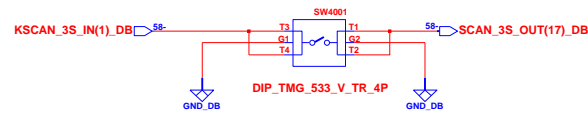
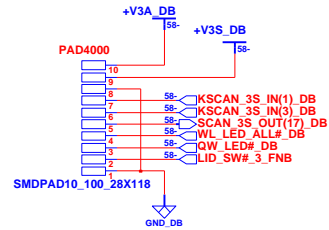
TITLE JOURNEY

SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	X01

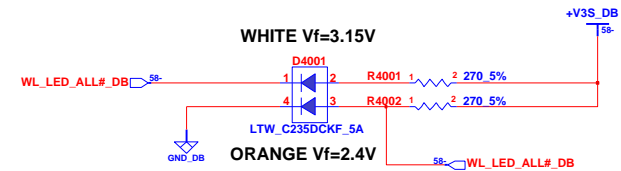
CHANGE by Lin YT 23-Aug-2010

SHEET 57 OF 60

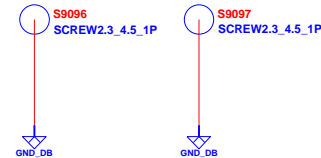
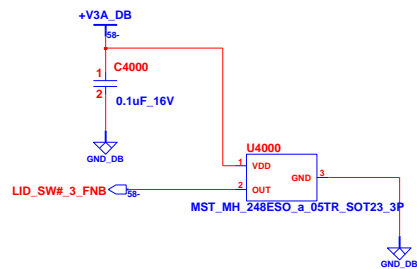
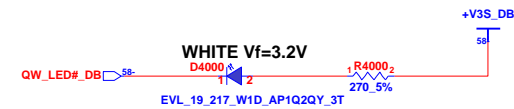
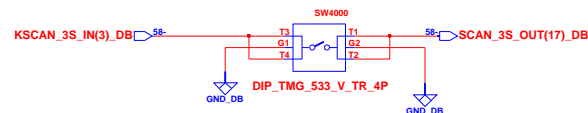
DB LAUNCH BOARD(Wireless LED & Quick LED H-SENSOR)



WIRELESS LED



QUICK Lanch LED



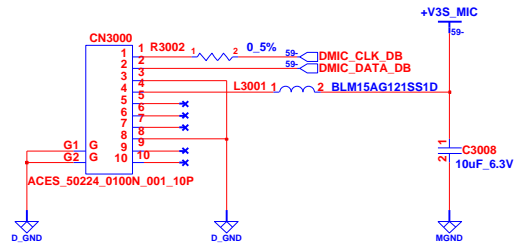
INVENTEC

TITLE **JOURNEY**

SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	X01

CHANGE by Lin YT 10-Aug-2010

SHEET 58 OF 60

[illegible]

TITLE			
<i>HR-MB-121-0720</i>			
SIZE	CODE	DOC. NUMBER	REV
A3	CS		
SHEET 59 OF 60			

CHANGE by	JOURNEY	16-Aug-2010
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CS			
SHEET	59	OF	60

