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B	HSF Property : Halogen-Free								B																																																																																									
C	<div>JOURNEY SI2 BUILD 2010.10.13</div>								C																																																																																									
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E									E																																																																																									
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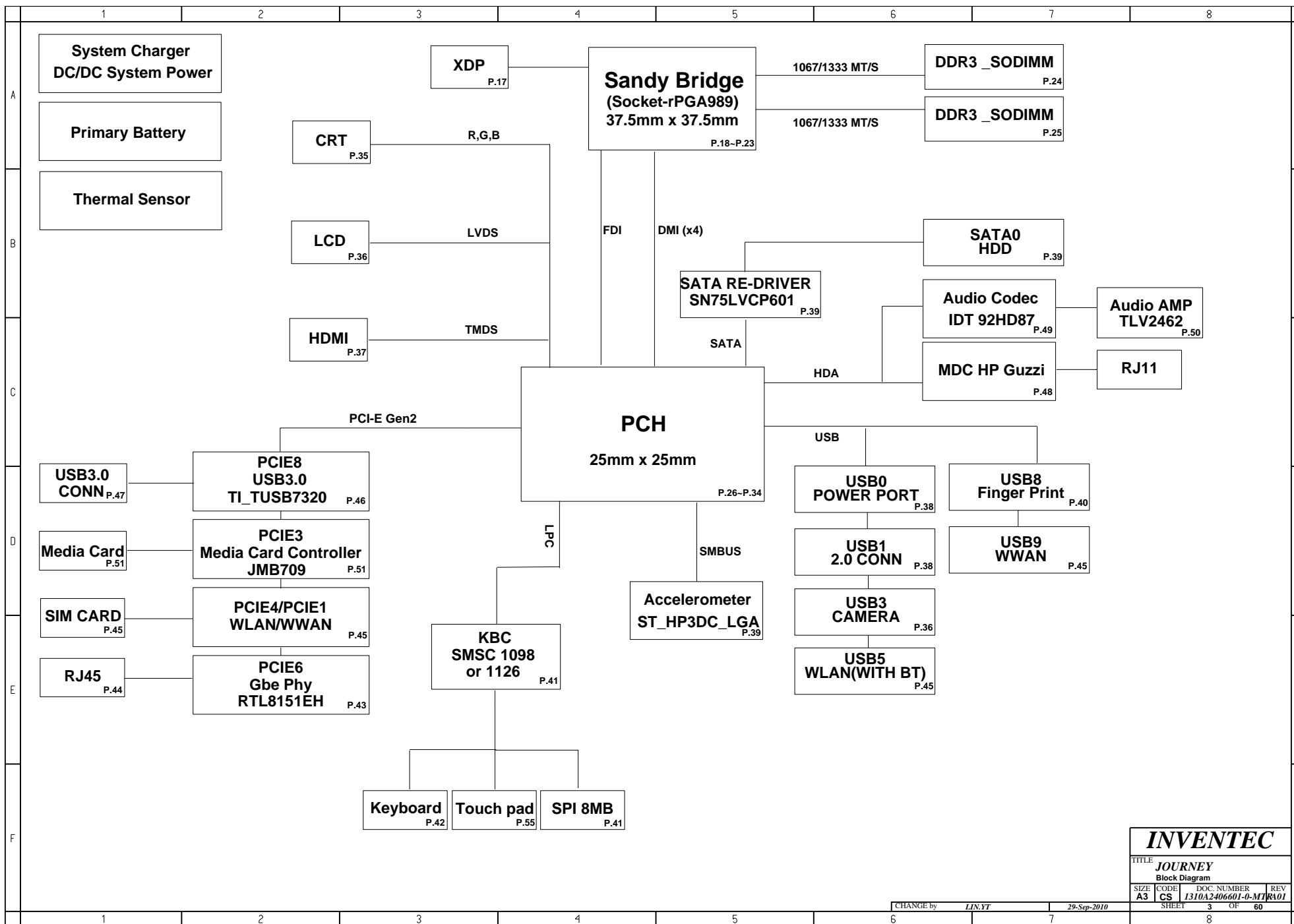
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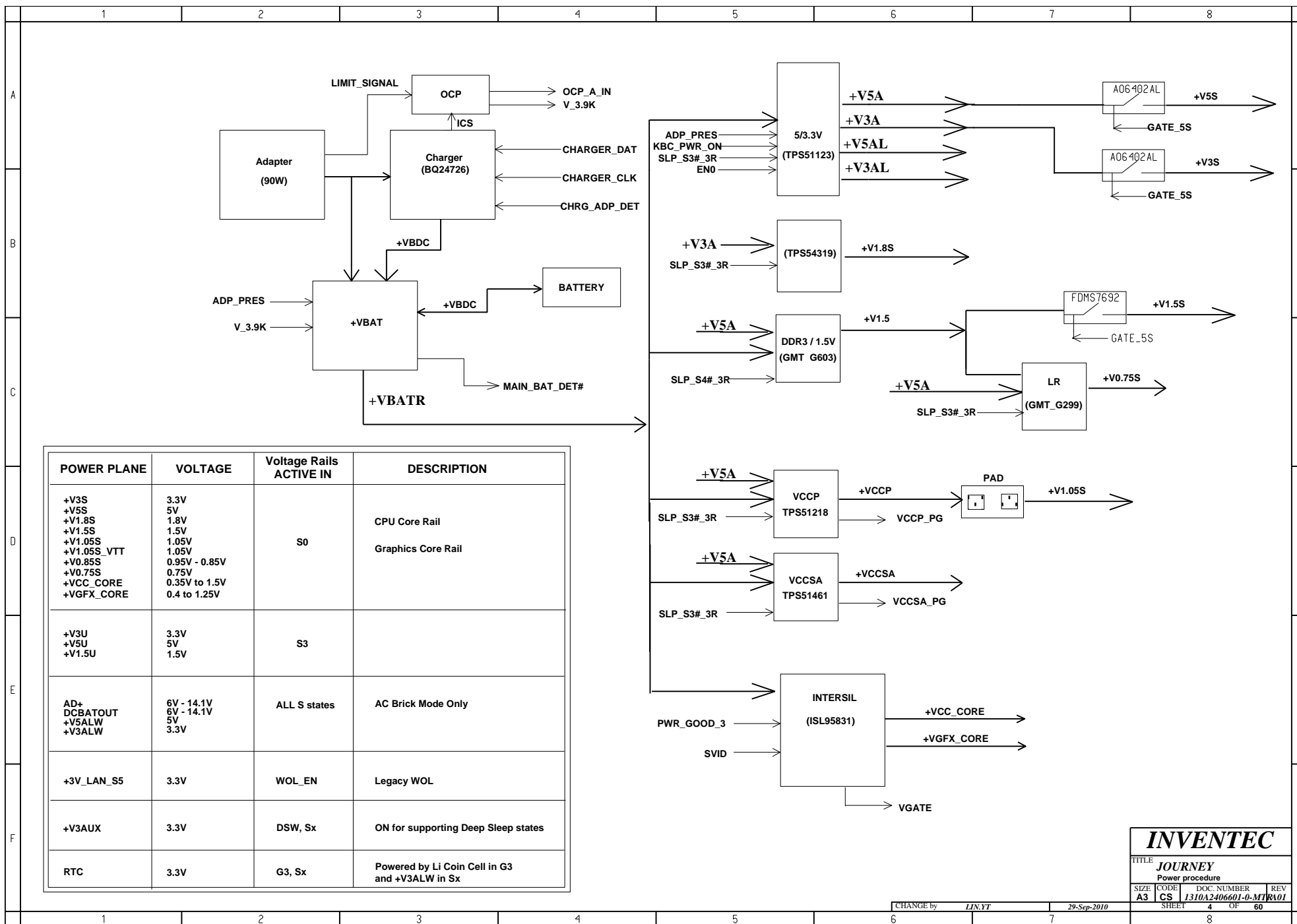
5- DC& BATTERY CHARGER	26- PCH1	55- DB CONN TP&Launch&Power
6- SELECT & BATTERY CONN	27- PCH2	56- DB-POWER BOARD
7- SYSTEM POWER(3V/5V)	28- PCH3	57- DB PICK BOARD
8- SYSTEM POWER(+V1.5/+V0.75S)	29- PCH4	58- DB LAUNCH BOARD
9- POWER(+V1.8S)	30- PCH5	59- BLANK
10- SYSTEM POWER(+VCCP)	31- PCH6	60- TPM
11- 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	

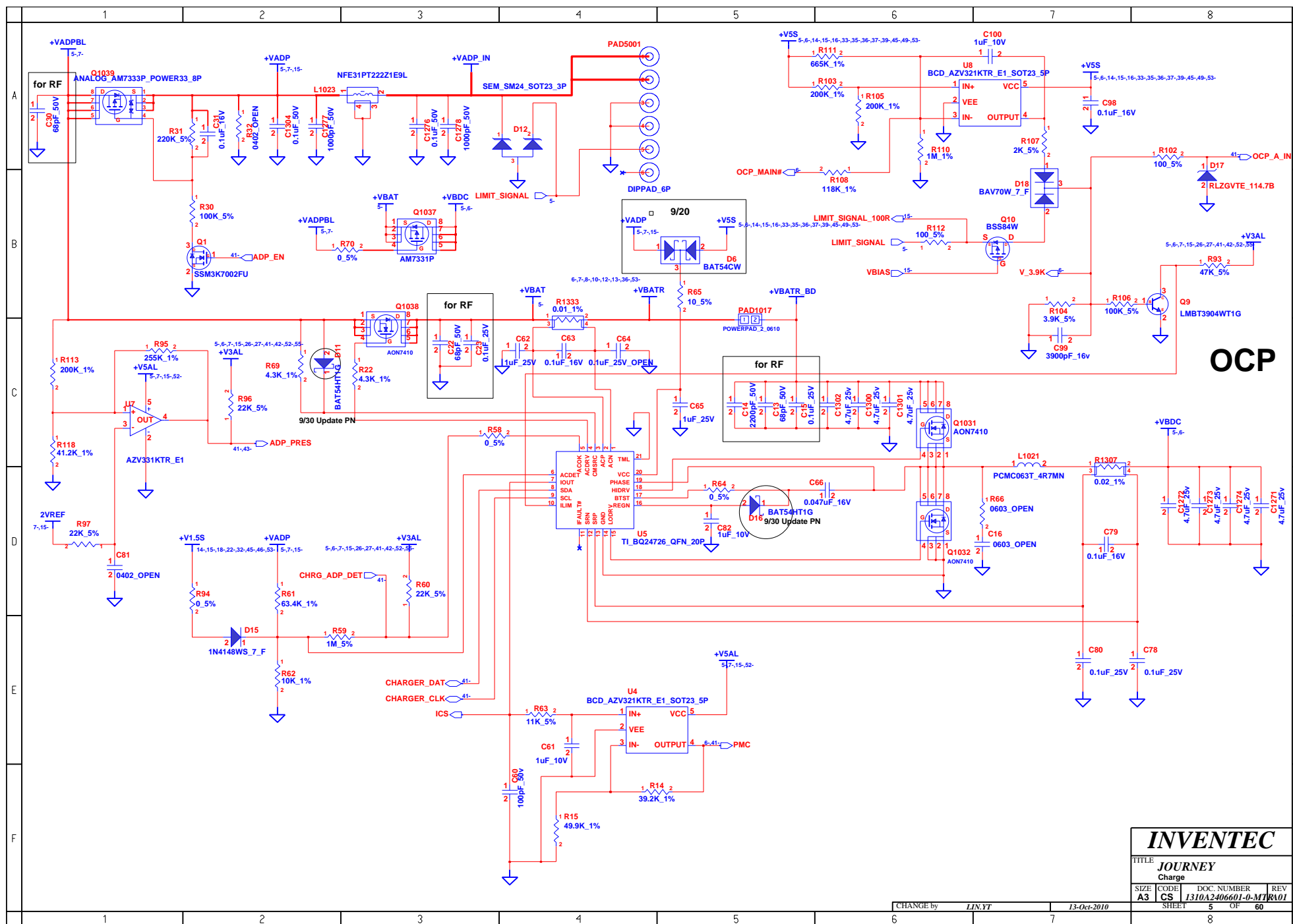
INVENTEC

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

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







7.2A

Battery CONN

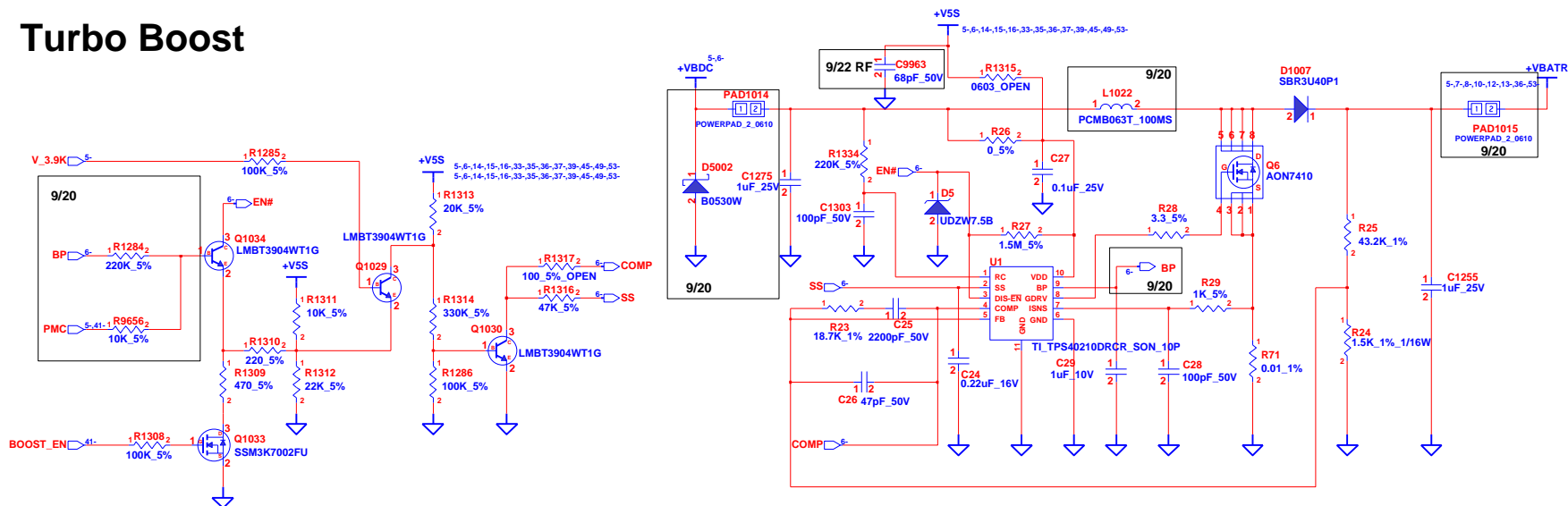
9/16 Update PN & Pin define

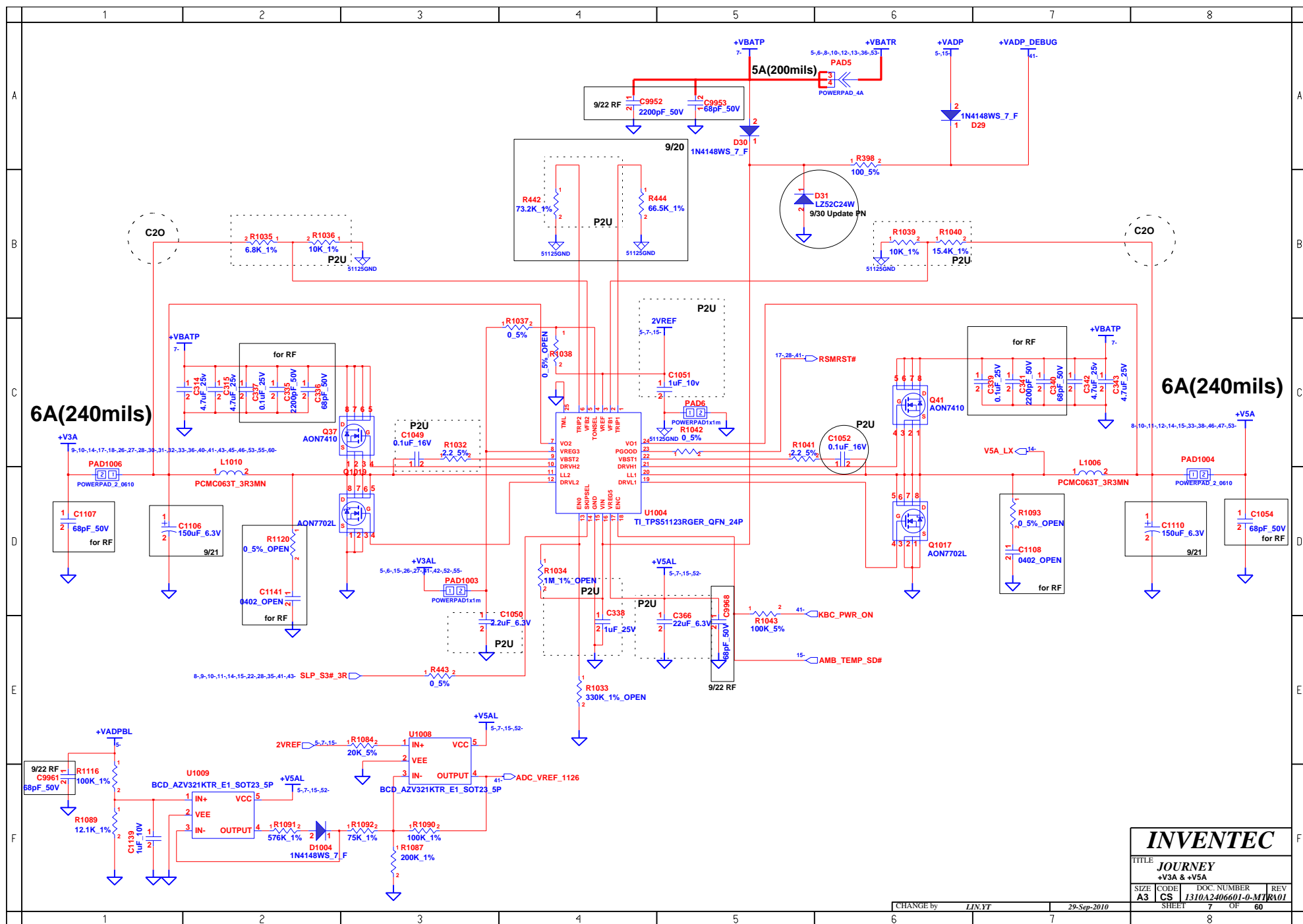
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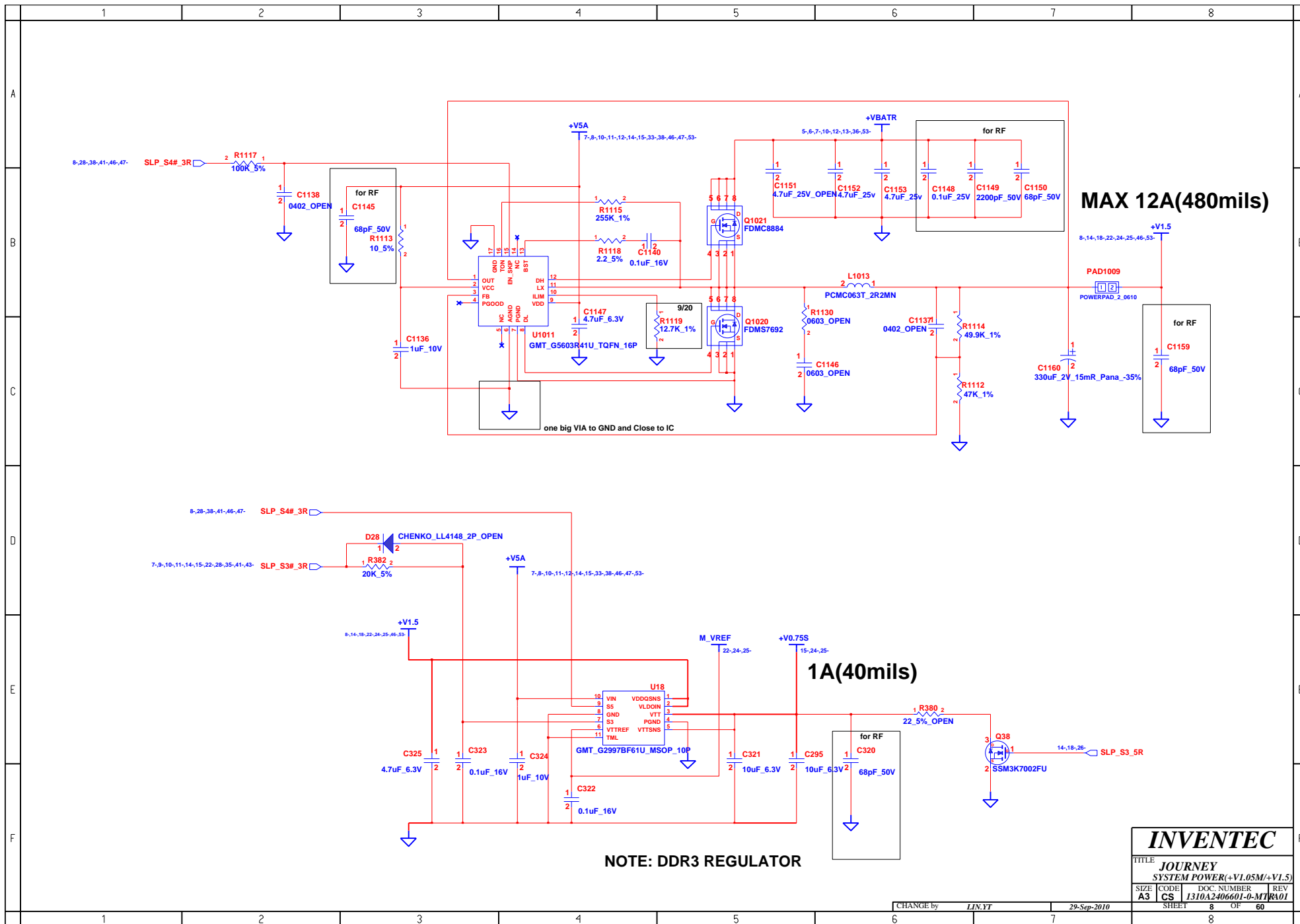
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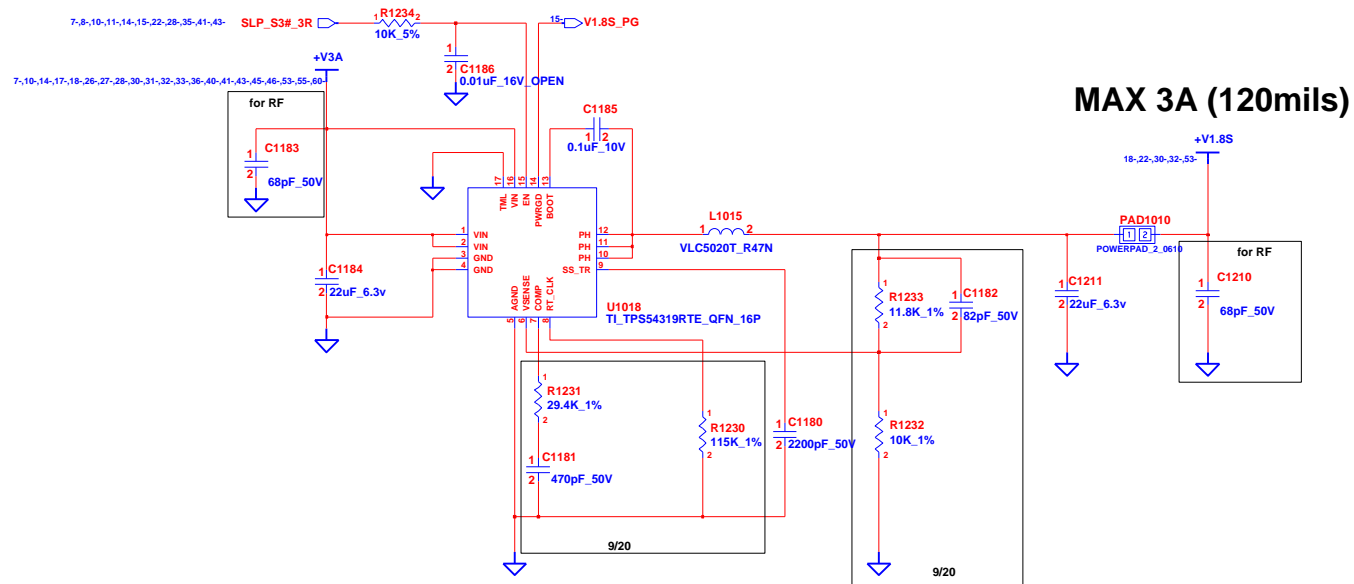
TITLE			
JOURNEY			
SELECT & BATTERY CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2406601-0-MT	R01
SHEET		6	OF 60

CHANGE by LIN.YT 29-Sep-2010



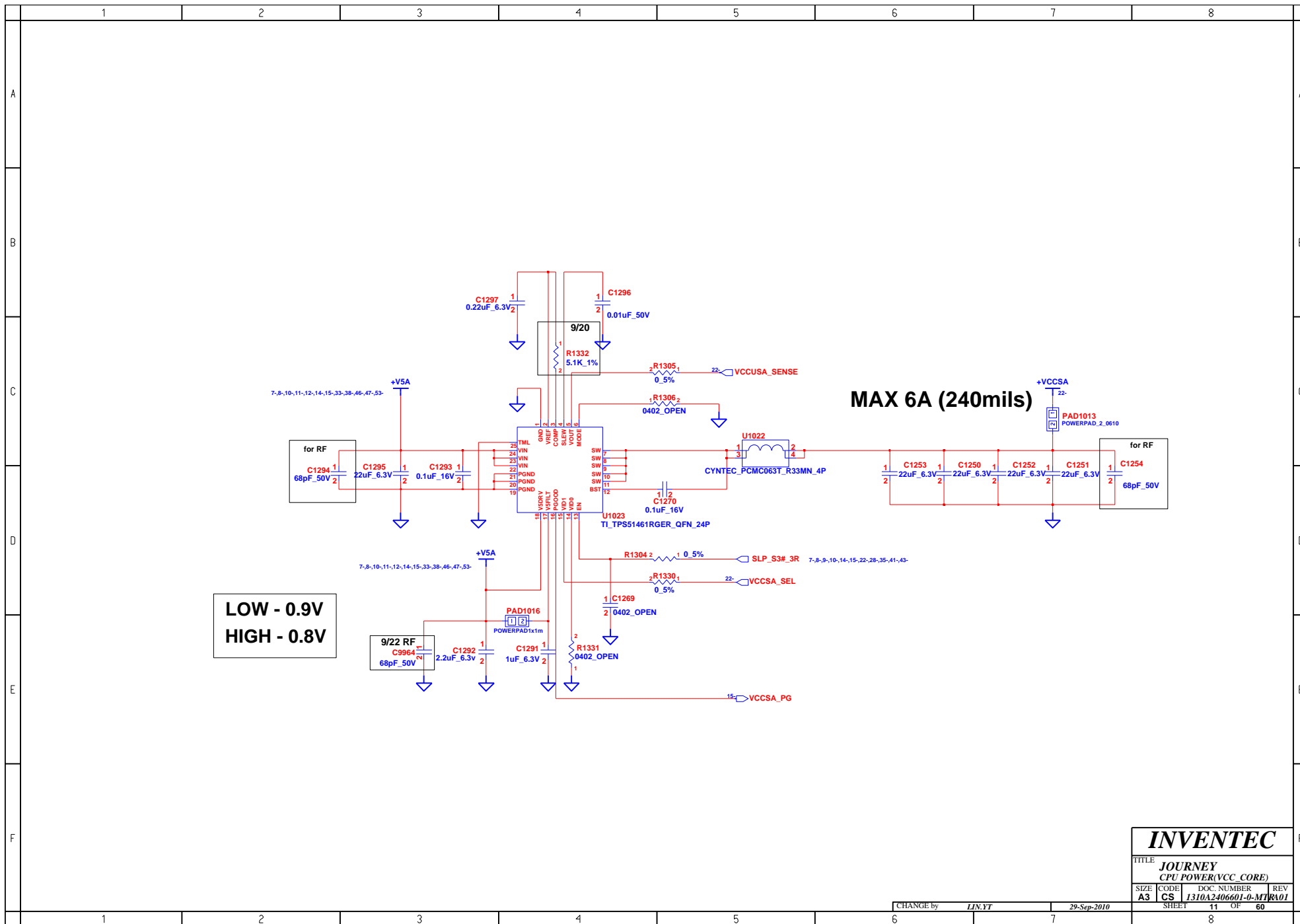


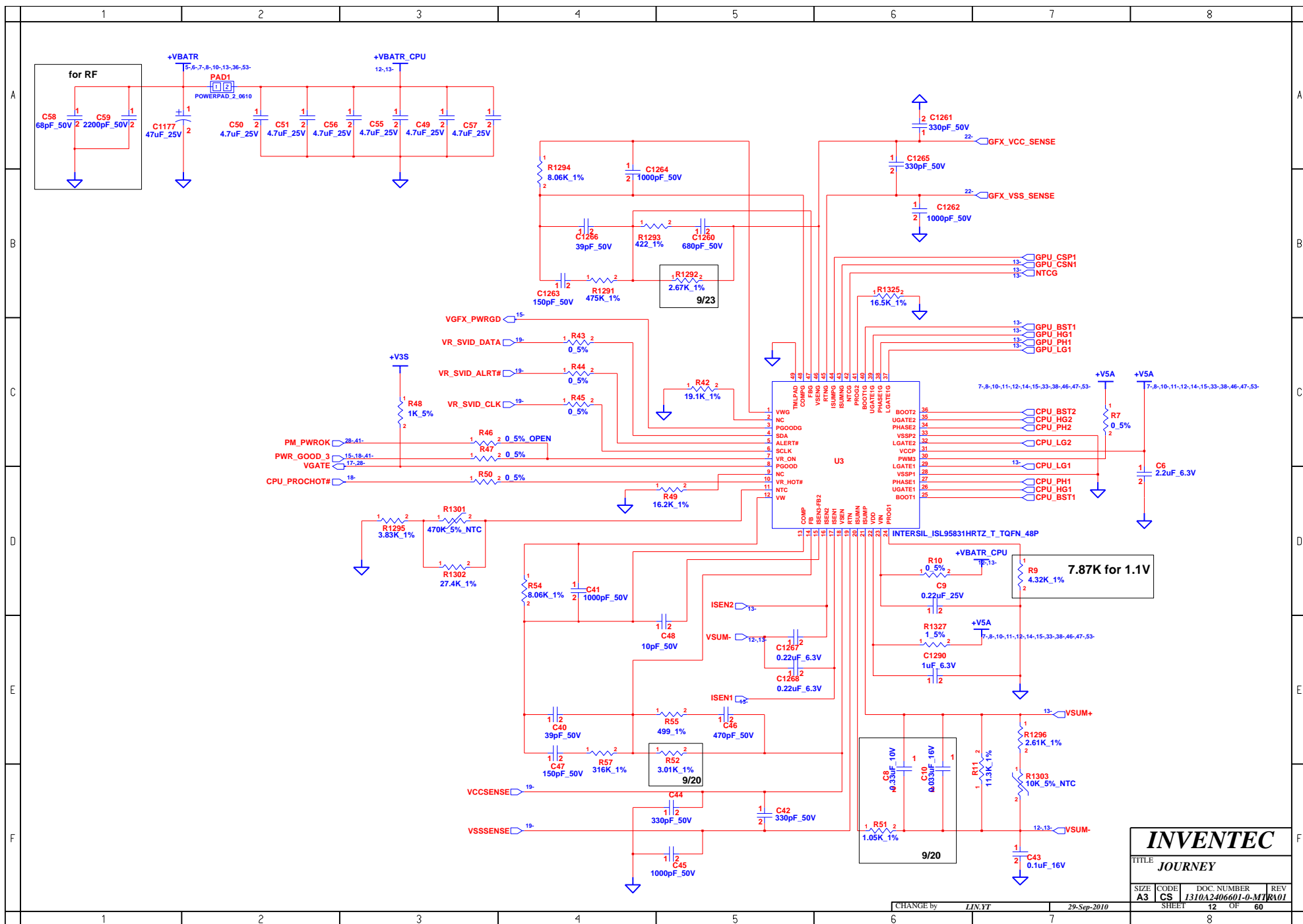




INVENTEC			
TITLE JOURNEY			
GPU POWER(VDD_CORE/+V1.8S)			
SIZE A3	CODE CS	DOC. NUMBER 1310A2406601-0-MT	REV R01
SHEET 9		OF 60	

CHANGE by LIN.YT 29-Sep-2010





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

53A(2120mils)

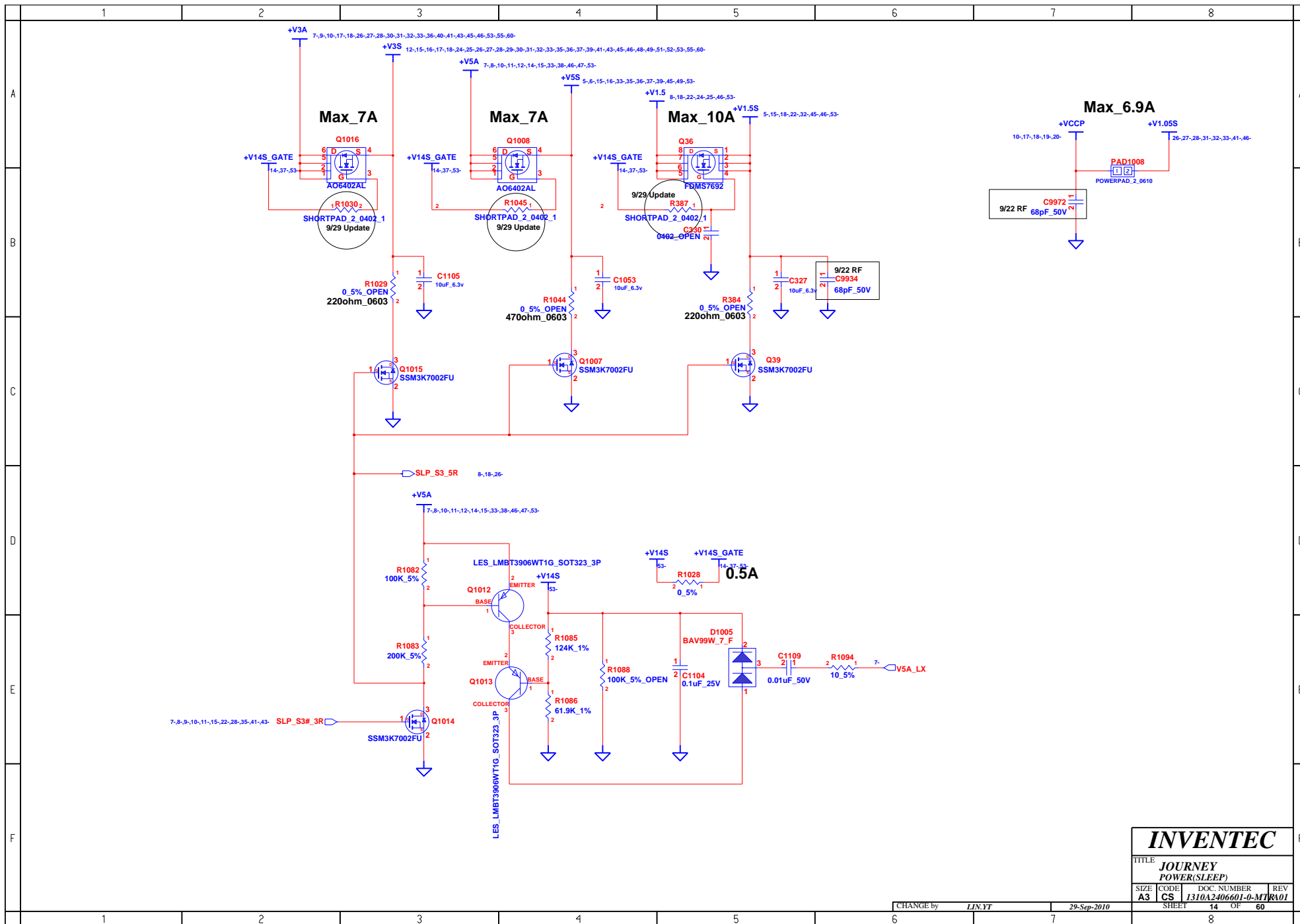
33A(1320mils)

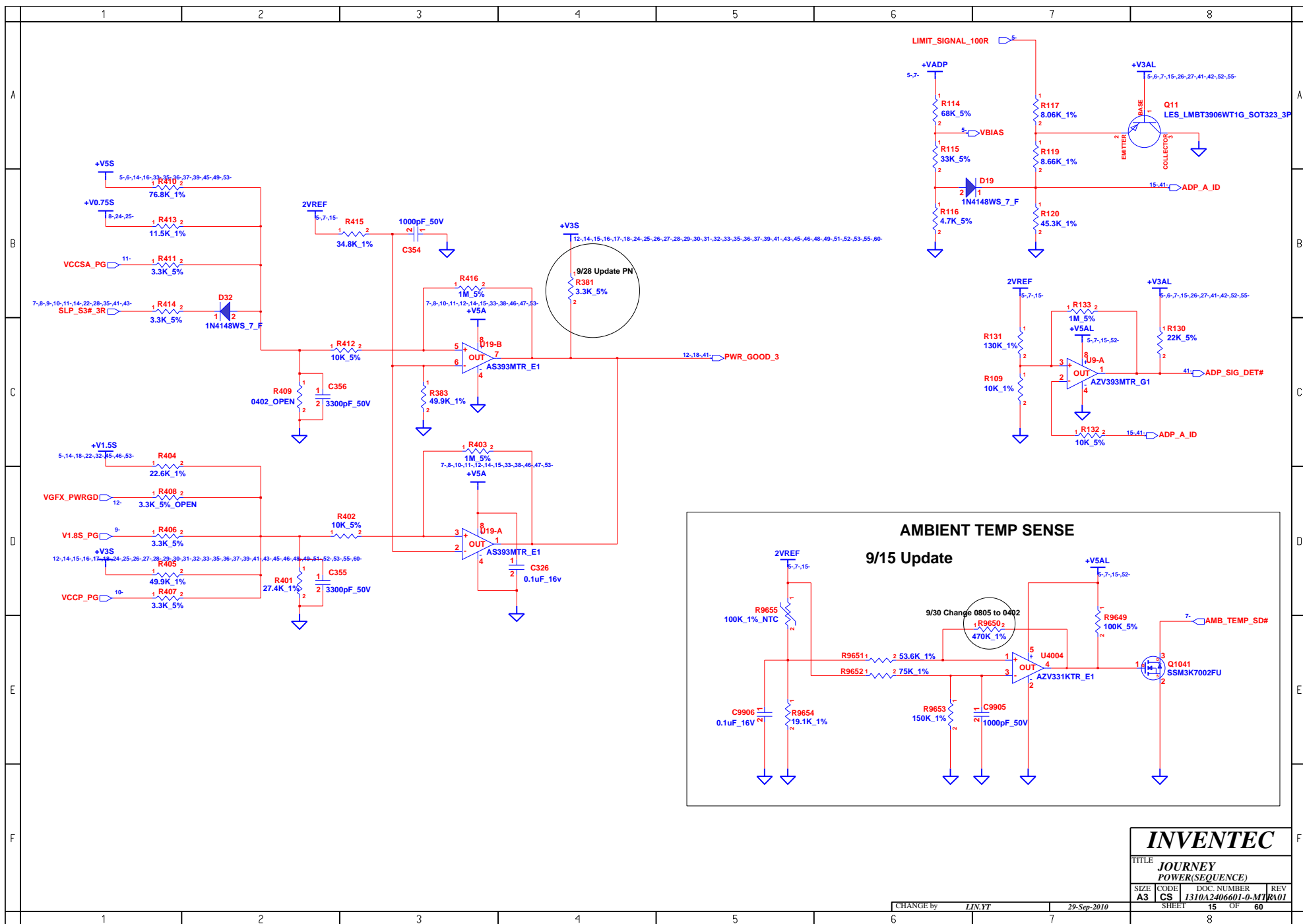
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TITLE JOURNEY			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2406601-0-MTR	R01
SHEET	13	OF	60

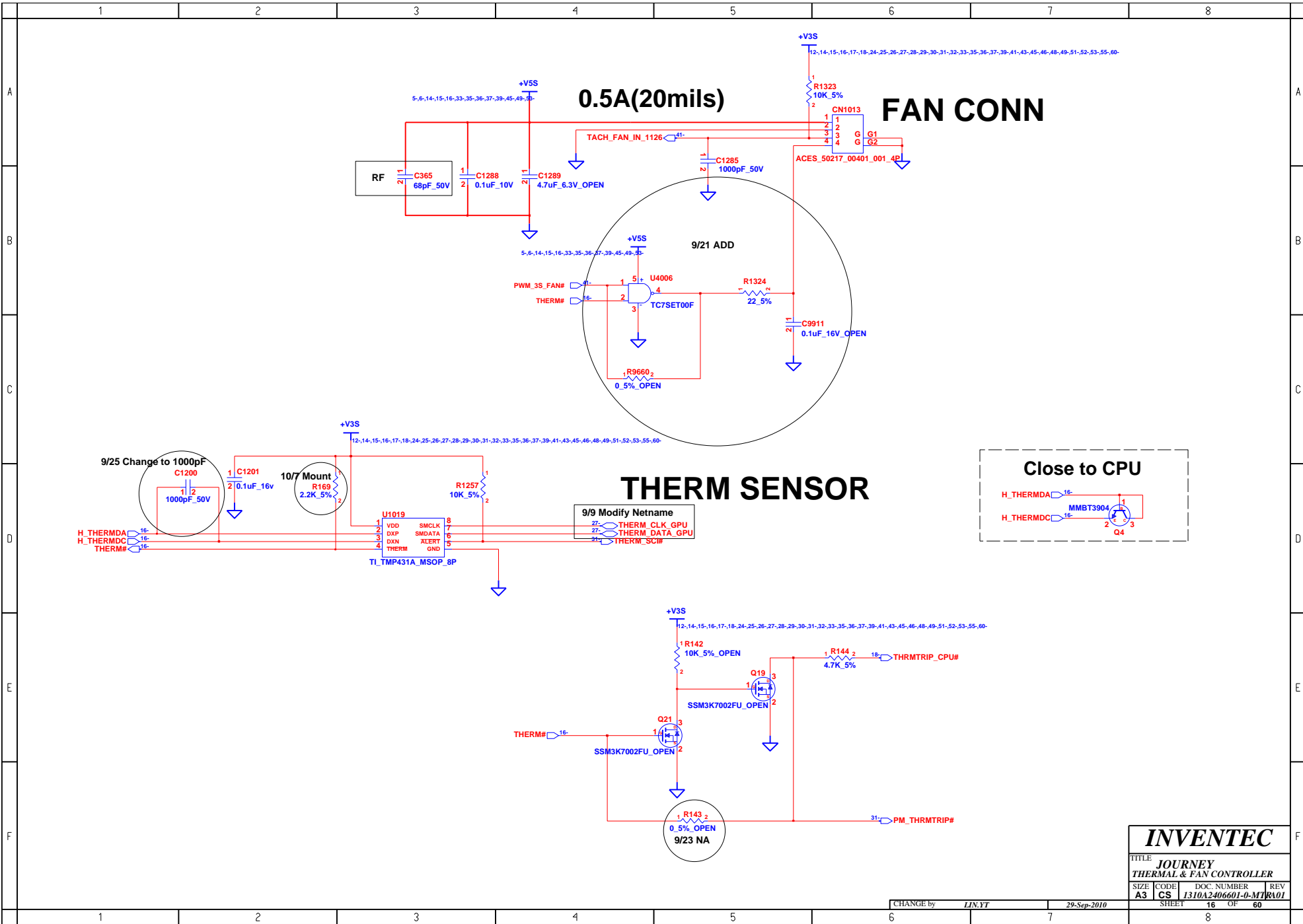
CHANGE by: L/N.YT 29-Sep-2010

TITLE			
<i>JOURNEY</i>			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	<i>1310A2406601-0-MT</i>	<i>RA01</i>
SHEET		13 OF	60

CHANGE by	LIN.YT	29-Sep-2010
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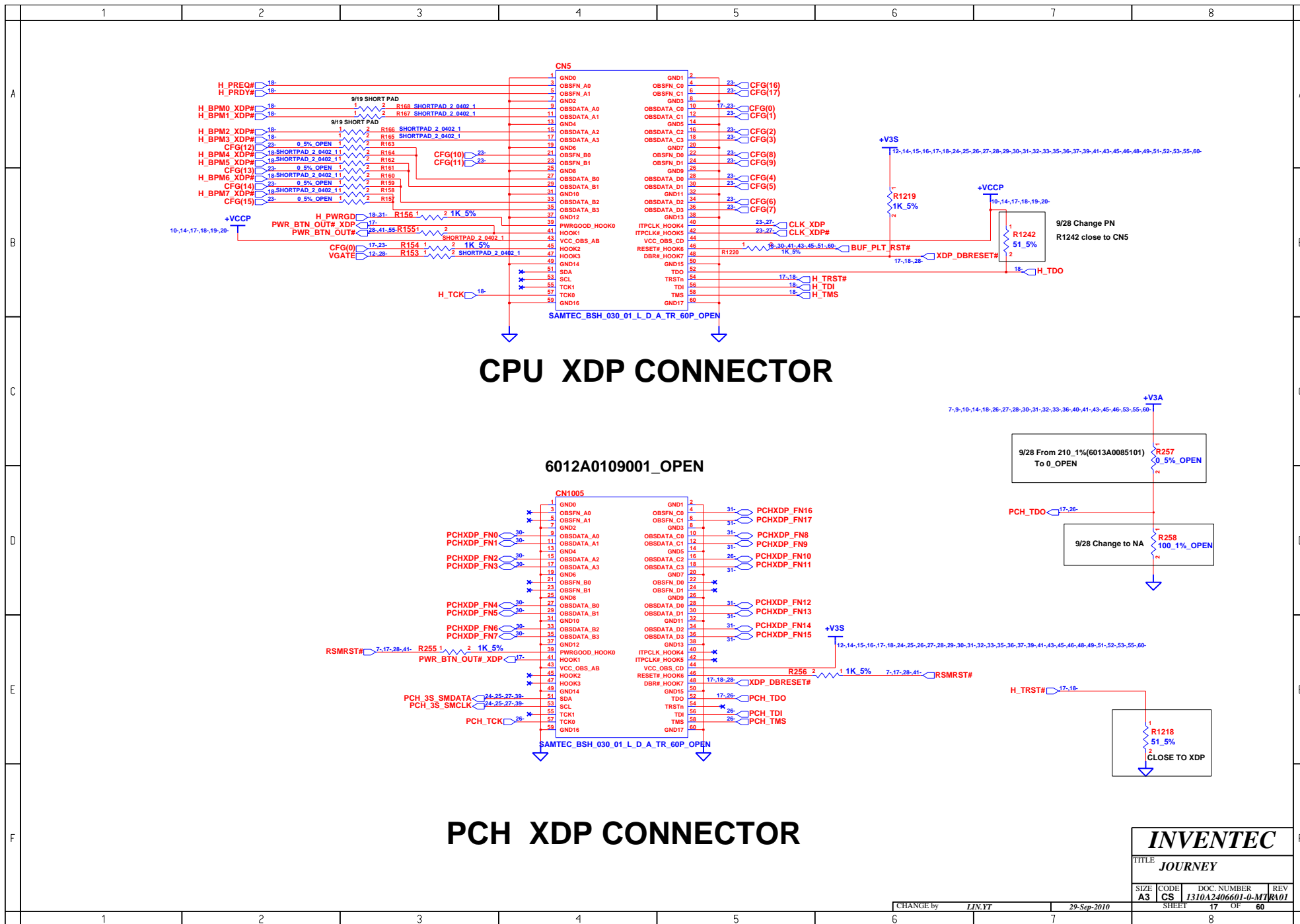


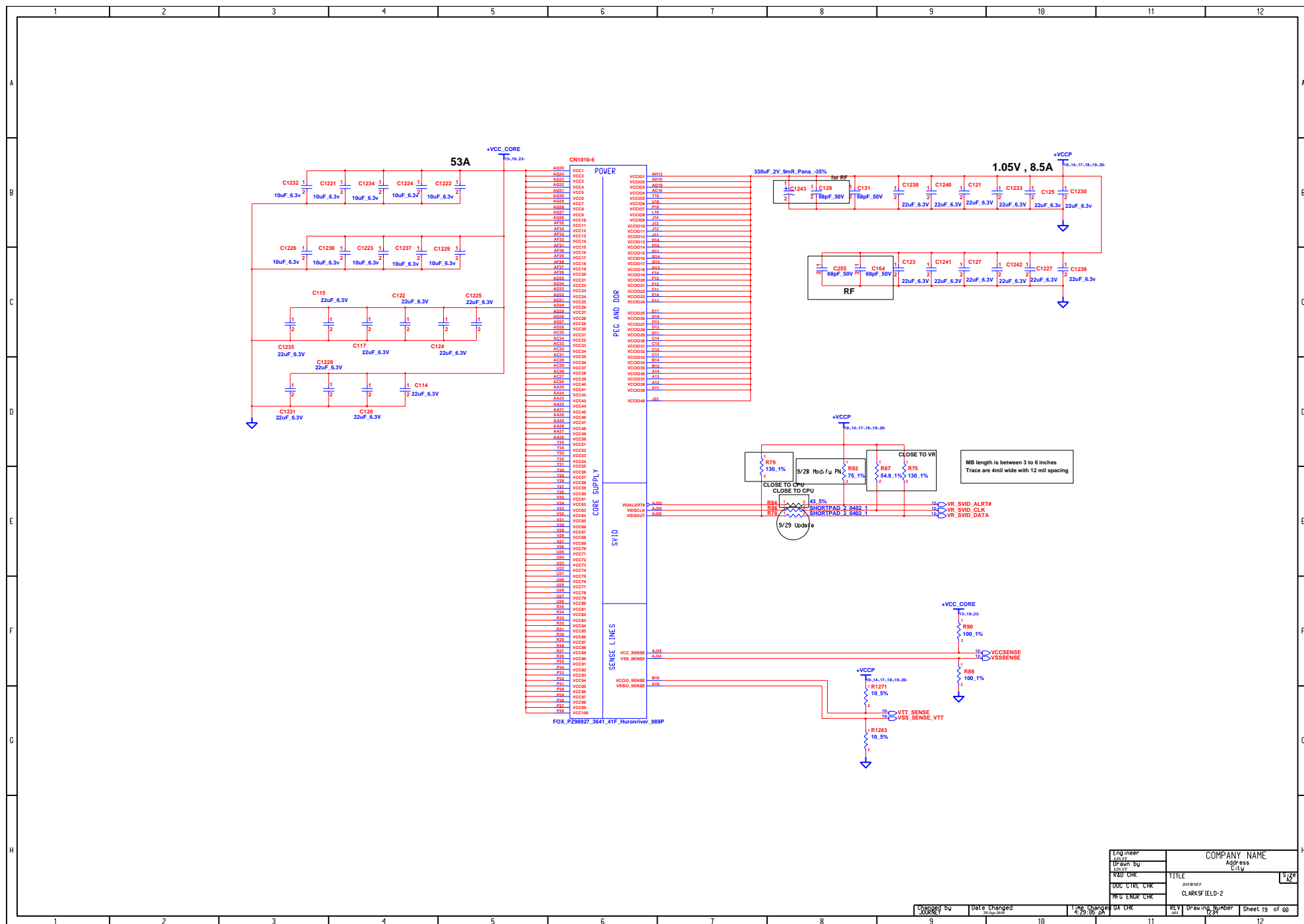


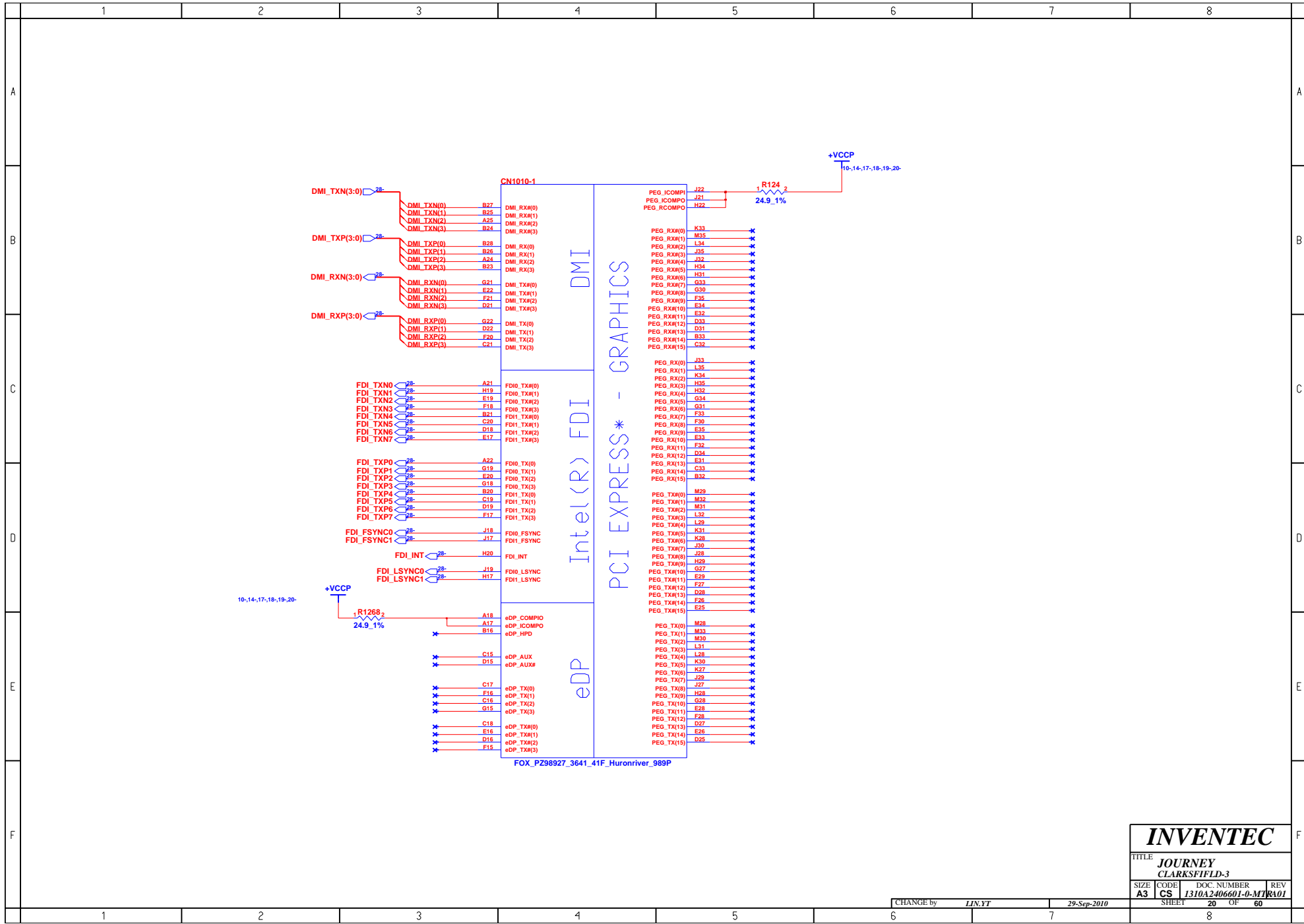


INVENTEC			
TITLE JOURNEY			
THERMAL & FAN CONTROLLER			
SIZE A3	CODE CS	DOC. NUMBER 1310A2406601-0-MT	REV R01
SHEET 16		OF 60	

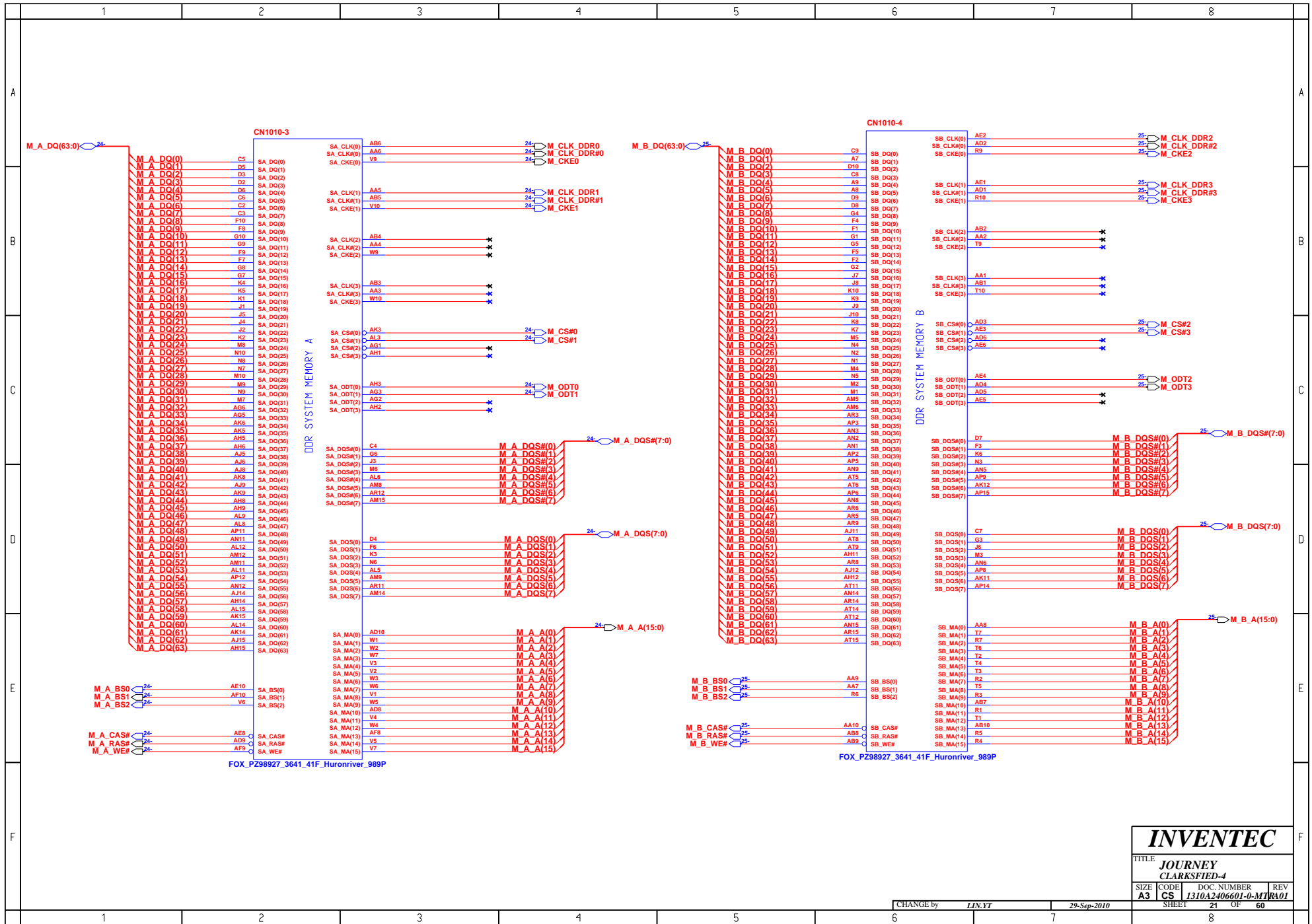
CHANGE by LJN.YT 29-Sep-2010

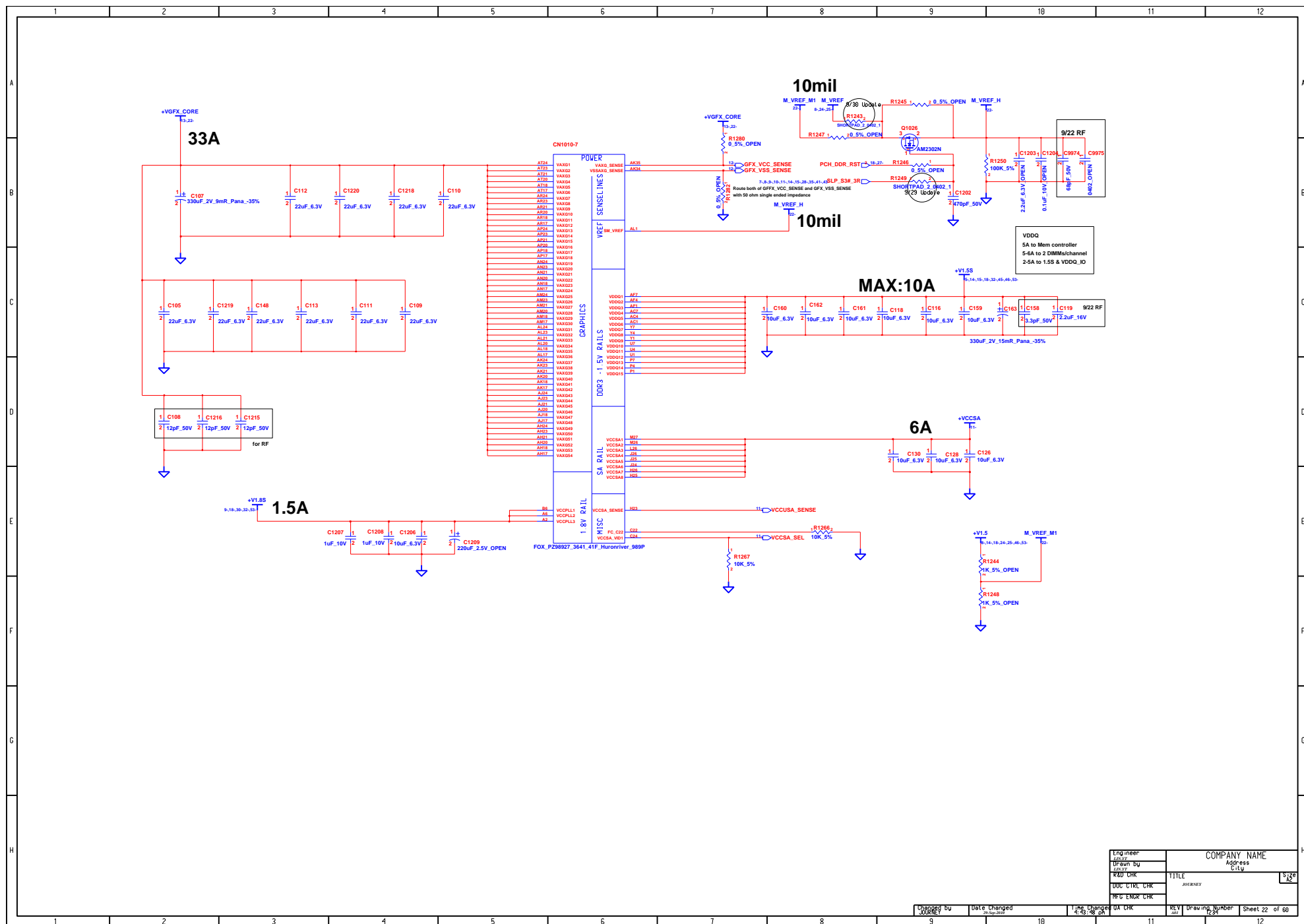


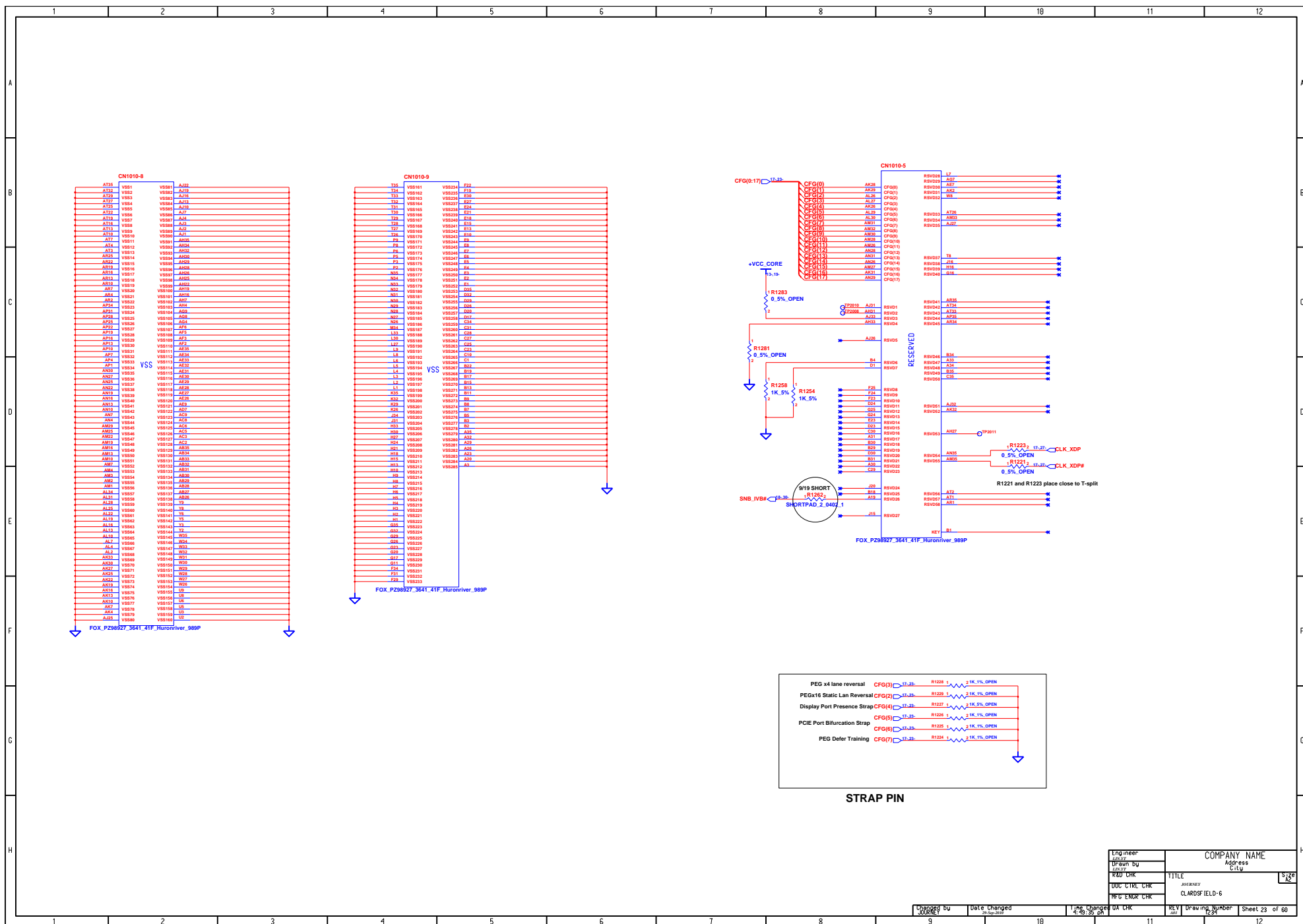


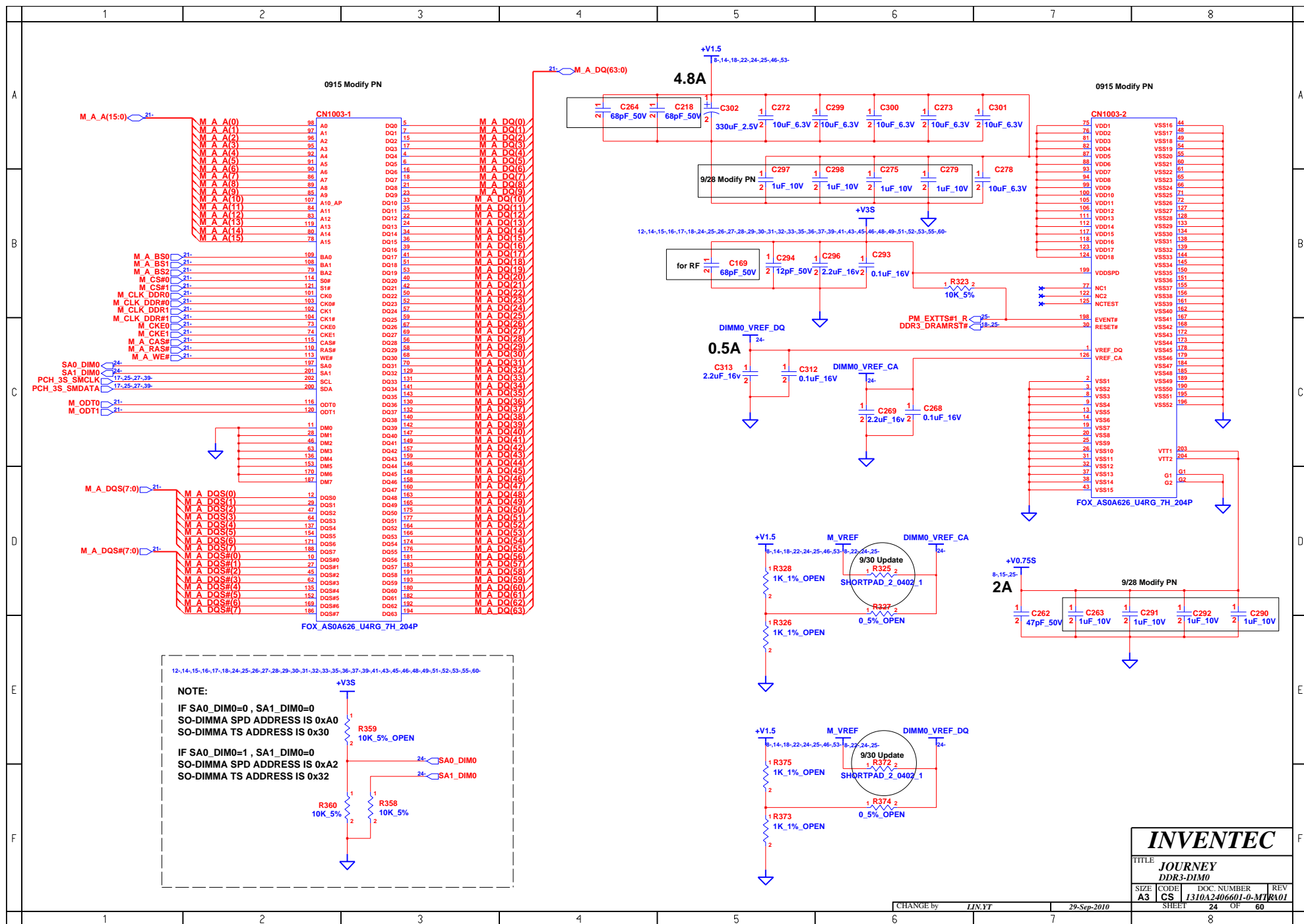


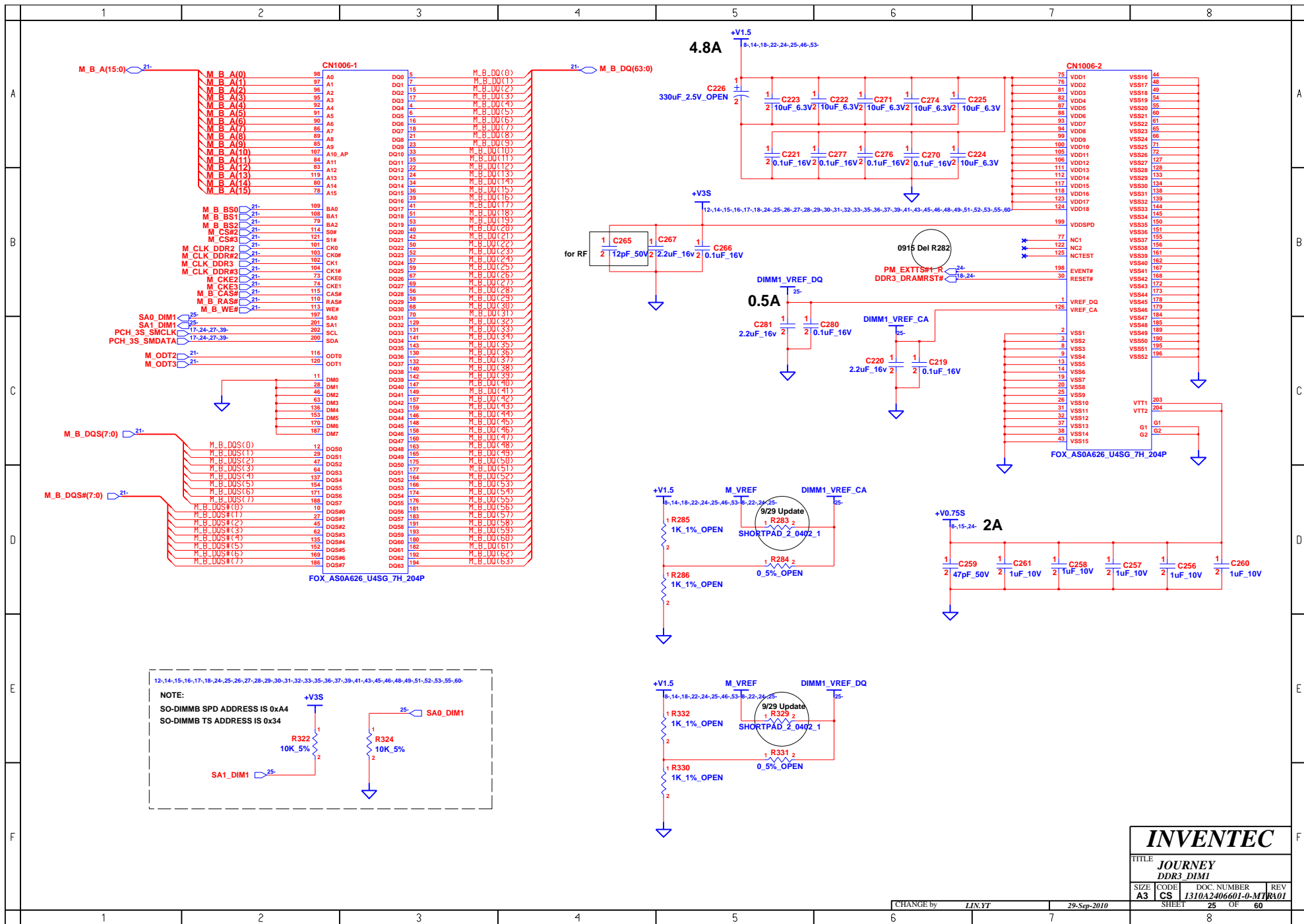
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TITLE JOURNEY CLARKSFIELD-3			
SIZE A3	CODE CS	DOC. NUMBER 1310A2406601-0-MT	REV R101
CHANGE by LYN.YT		29-Sep-2010	
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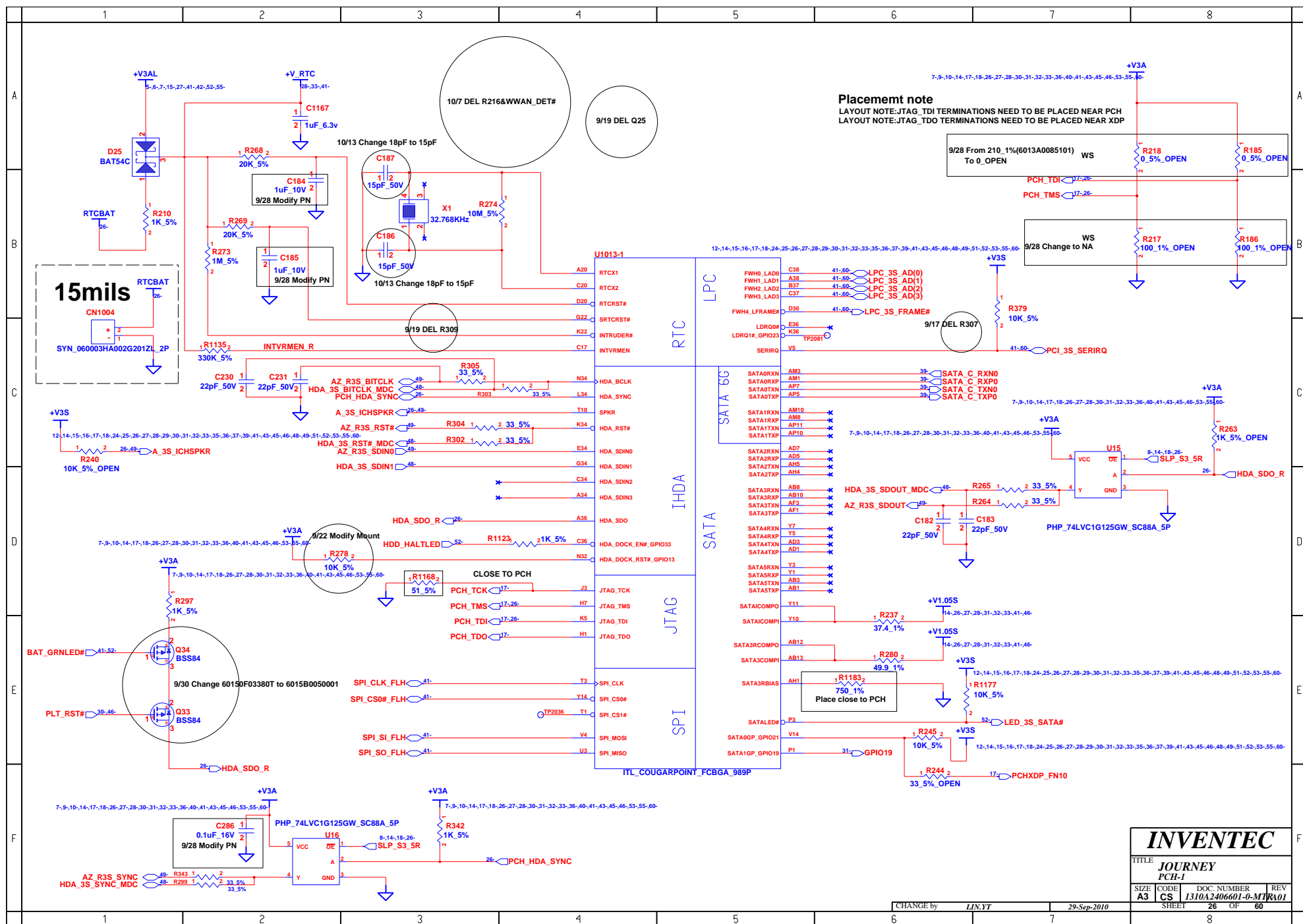


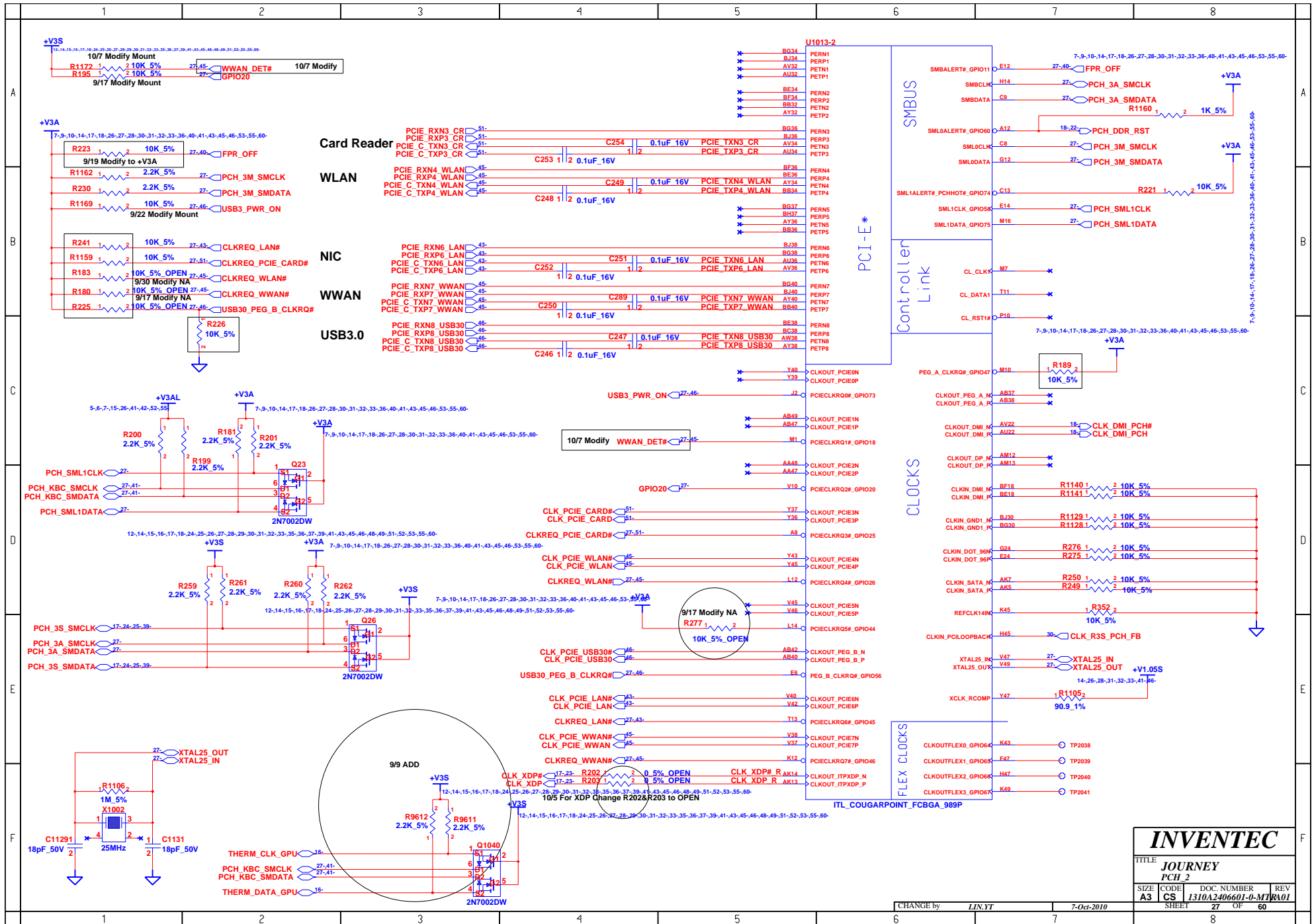










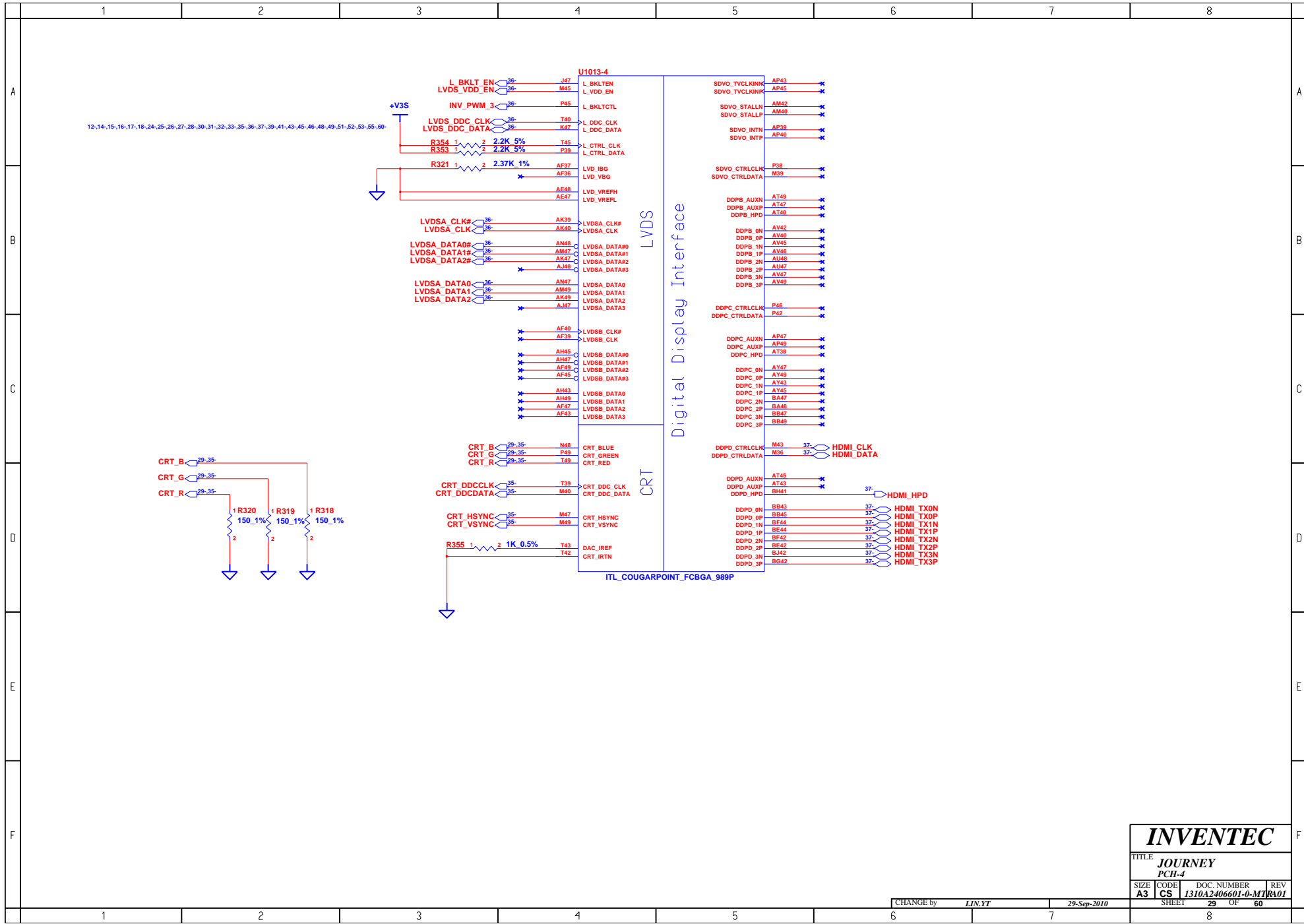


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SIZE A3	CODE CS	DOC. NUMBER 1310A2406601-0-M7RA01	REV. 01
SHEET		28	OF 60

A3	CS	1310A2406601-0-M1KA01
SHEET		28 OF 60



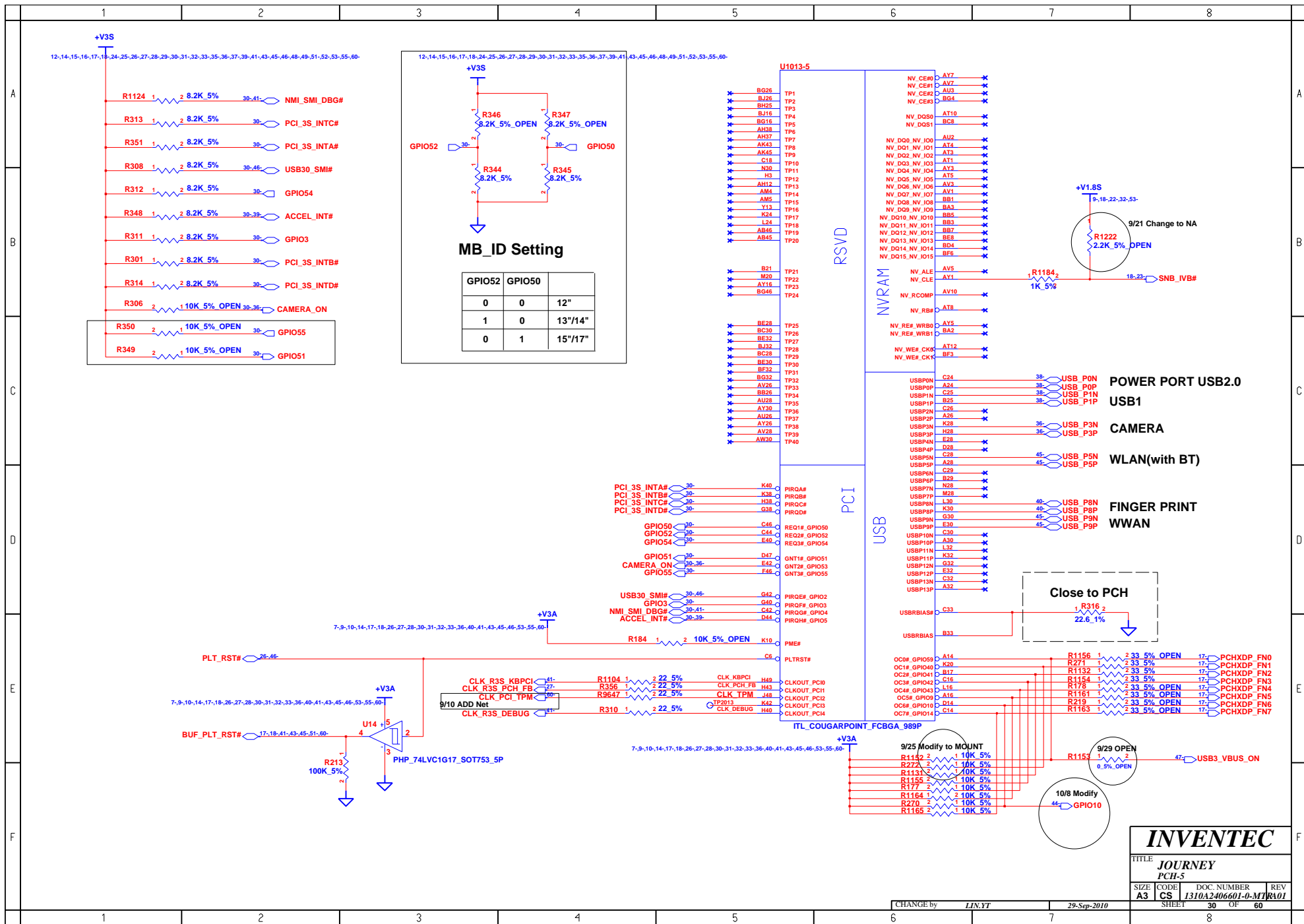
INVENTEC

TITLE
JOURNEY
PCH-4

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

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

SHEET 29 OF 60



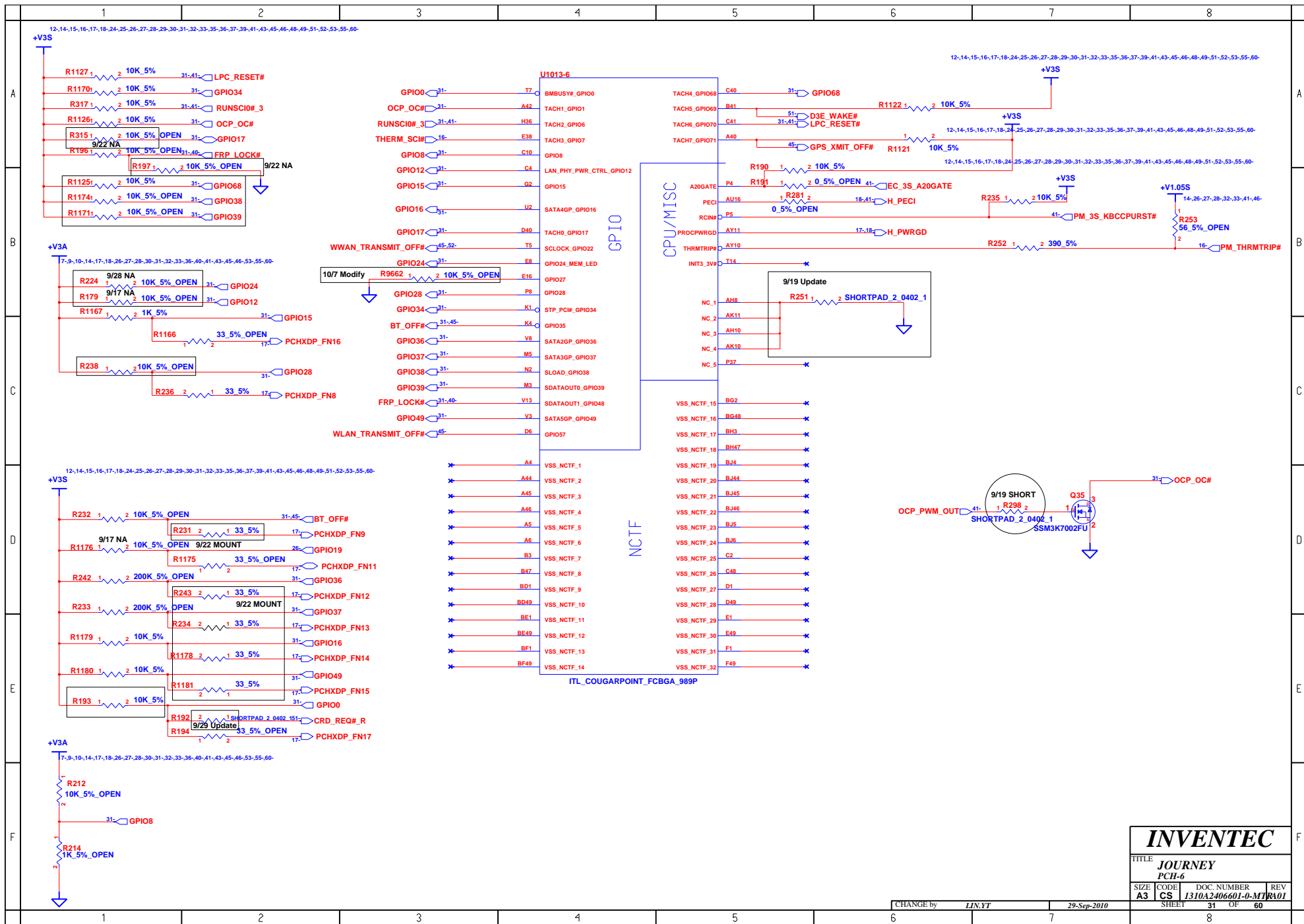
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TITLE
JOURNEY
PCH-5

SIZE CODE DOC. NUMBER REV
A3 CS 1310A2406601-0-MT R101

CHANGE by LIN.YT 29-Sep-2010

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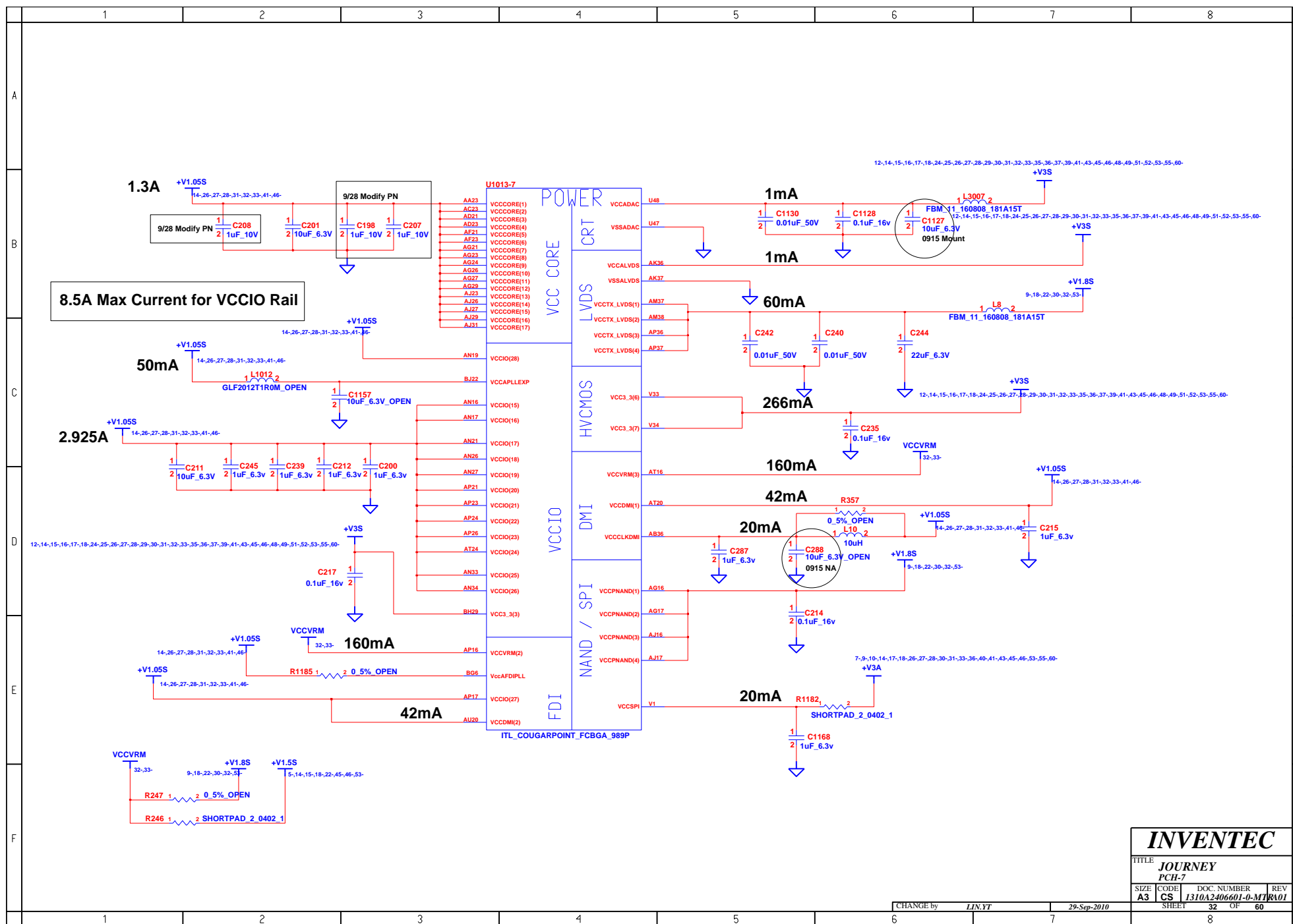
INVENTEC

TITLE JOURNEY PCH-6

SIZE A3 CODE CS DOC. NUMBER 1310A2406601-0-MT REV 1

SHEET 31 OF 60

CHANGE by LJN.YT 29-Sep-2010



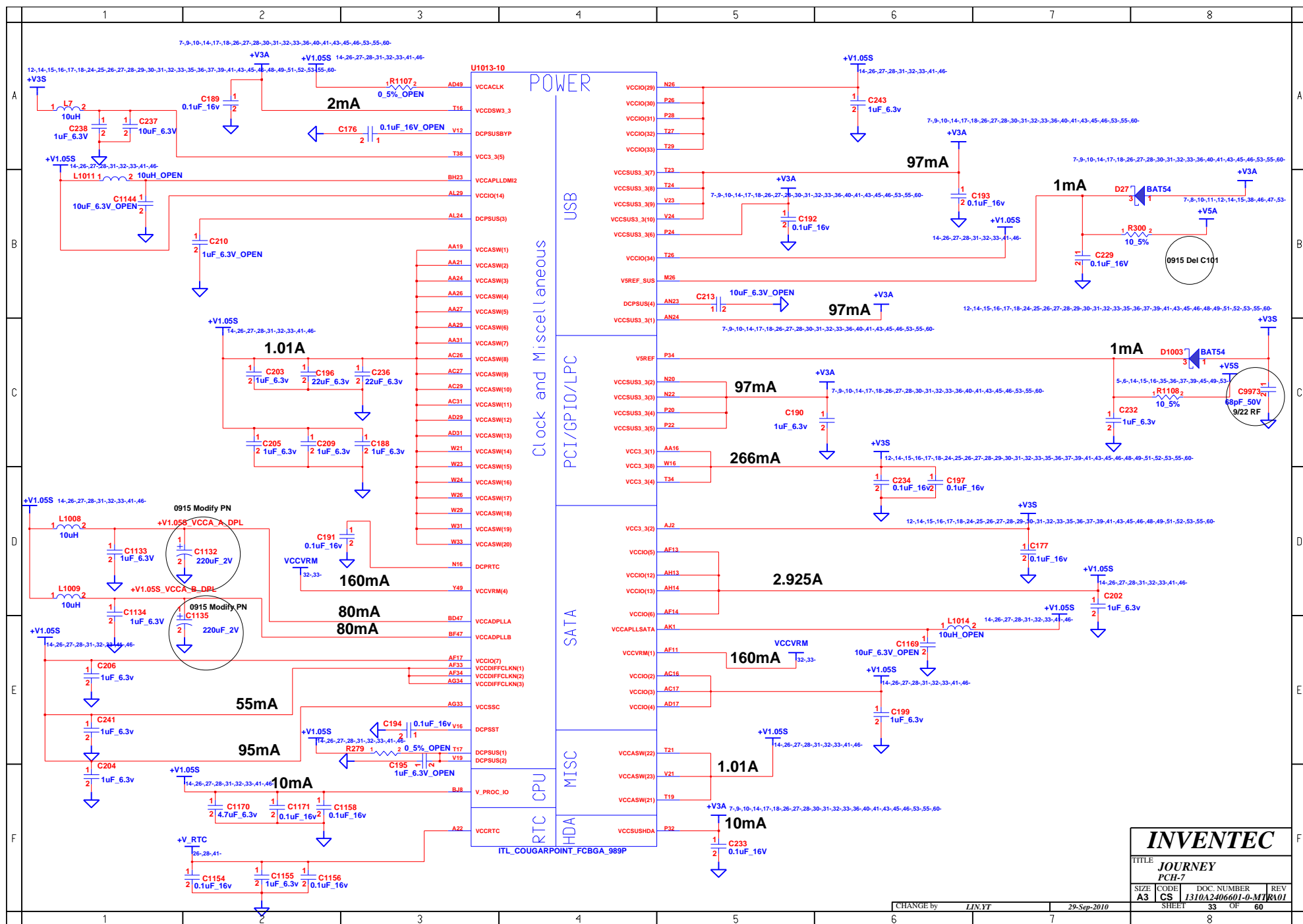


Diagram showing two PCB layouts, U1013-8 and U1013-9, with component footprints and labels.

U1013-8

HS VSS(0)

AA17 VSS(1) AK38
AA2 VSS(2) VSS(81) AK4
AA3 VSS(3) VSS(82) AK42
AA33 VSS(4) VSS(83) AK46
AA34 VSS(5) VSS(84) AK8
AB11 VSS(6) VSS(85) AL16
AB14 VSS(7) VSS(86) AL17
AB39 VSS(8) VSS(87) AL19
AB4 VSS(9) VSS(88) AL2
AB43 VSS(10) VSS(89) AL21
AB5 VSS(11) VSS(90) AL23
AB7 VSS(12) VSS(91) AL26
AC19 VSS(13) VSS(92) AL27
AC2 VSS(14) VSS(93) AL31
AC21 VSS(15) VSS(94) AL33
AC24 VSS(16) VSS(95) AL34
AC33 VSS(17) VSS(96) AL48
AC34 VSS(18) VSS(97) AM11
AC48 VSS(19) VSS(98) AM14
AD10 VSS(20) VSS(99) AM36
AD11 VSS(21) VSS(100) AM39
AD12 VSS(22) VSS(101) AM43
AD13 VSS(23) VSS(102) AM45
AD19 VSS(24) VSS(103) AM46
AD24 VSS(25) VSS(104) AM7
AD28 VSS(26) VSS(105) AN2
AD27 VSS(27) VSS(106) AN29
AD33 VSS(28) VSS(107) AN3
AD34 VSS(29) VSS(108) AN31
AD36 VSS(30) VSS(109) AP12
AD37 VSS(31) VSS(110) AP19
AD38 VSS(32) VSS(111) AP28
AD39 VSS(33) VSS(112) AP30
AD4 VSS(34) VSS(113) AP32
AD40 VSS(35) VSS(114) AP38
AD42 VSS(36) VSS(115) AP4
AD43 VSS(37) VSS(116) AP42
AD44 VSS(38) VSS(117) AP46
AD46 VSS(39) VSS(118) AP8
AD8 VSS(40) VSS(119) AR2
AE2 VSS(41) VSS(120) AR48
AE3 VSS(42) VSS(121) AT11
AF10 VSS(43) VSS(122) AT13
AF12 VSS(44) VSS(123) AT18
AD14 VSS(45) VSS(124) AT22
AD16 VSS(46) VSS(125) AT26
AF16 VSS(47) VSS(126) AT28
AF19 VSS(48) VSS(127) AT30
AF24 VSS(49) VSS(128) AT32
AF26 VSS(50) VSS(129) AT34
AF27 VSS(51) VSS(130) AT39
AF29 VSS(52) VSS(131) AT42
AF31 VSS(53) VSS(132) AT46
AF38 VSS(54) VSS(133) AT7
AF4 VSS(55) VSS(134) AU24
AF42 VSS(56) VSS(135) AU30
AF46 VSS(57) VSS(136) AV16
AF5 VSS(58) VSS(137) AV20
AF7 VSS(59) VSS(138) AV24
AF8 VSS(60) VSS(139) AV30
AG19 VSS(61) VSS(140) AV38
AG2 VSS(62) VSS(141) AV4
AG31 VSS(63) VSS(142) AV43
AG48 VSS(64) VSS(143) AV8
AH11 VSS(65) VSS(144) AW14
AH3 VSS(66) VSS(145) AW18
AH36 VSS(67) VSS(146) AW2
AH39 VSS(68) VSS(147) AW22
AH40 VSS(69) VSS(148) AW26
AH42 VSS(70) VSS(149) AW28
AH46 VSS(71) VSS(150) AW32
AH7 VSS(72) VSS(151) AW34
AJ19 VSS(73) VSS(152) AW36
AJ21 VSS(74) VSS(153) AW40
AJ24 VSS(75) VSS(154) AW48
AJ33 VSS(76) VSS(155) AX11
AJ34 VSS(77) VSS(156) AY12
AK12 VSS(78) VSS(157) AY22
AK3 VSS(79) VSS(158) AY28

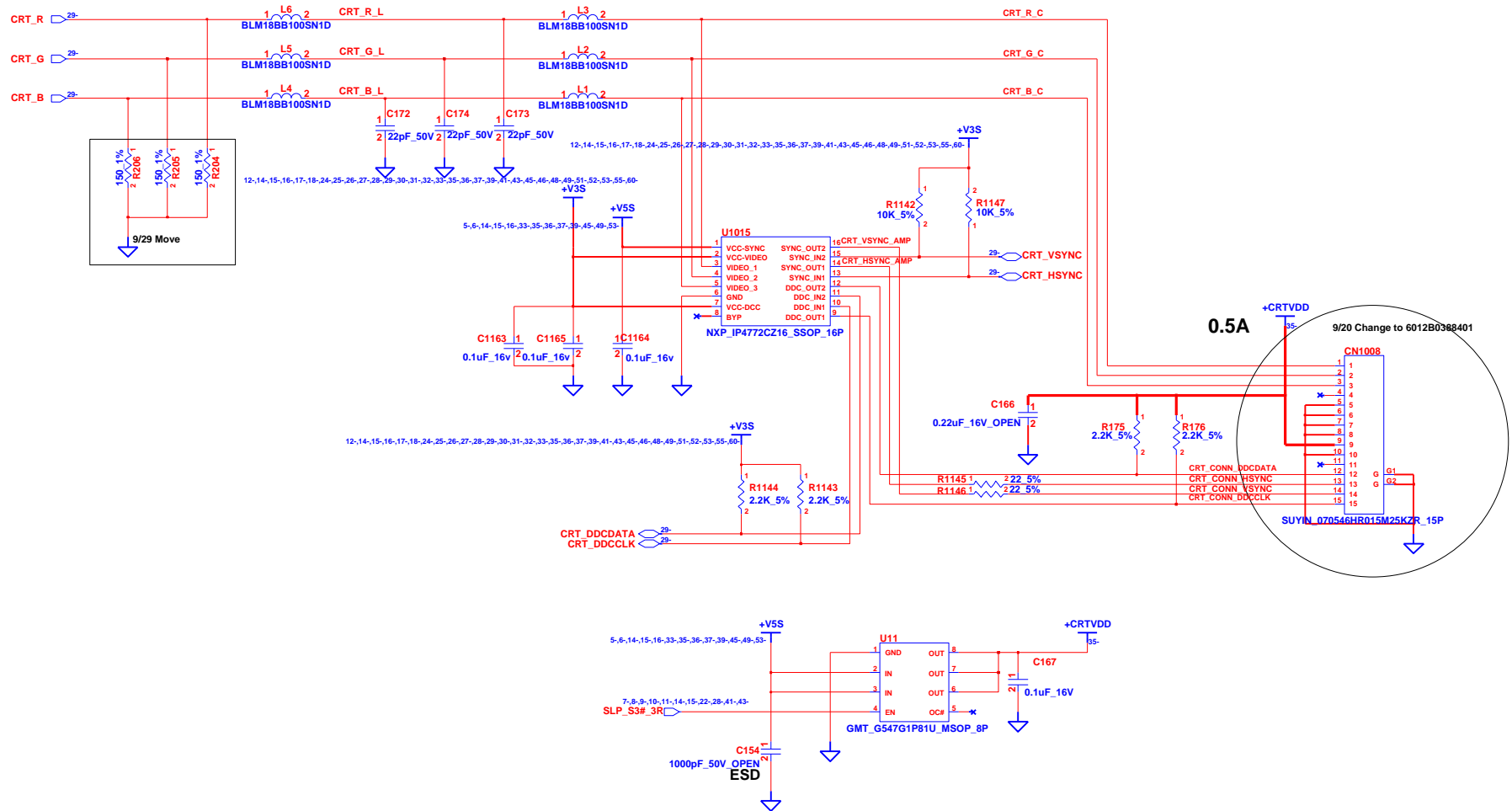
ITL COUGARPOINT_FCBGA 989P

U1013-9

AY4 VSS(159) VSS(259) H46
AY42 VSS(160) VSS(260) K18
AY46 VSS(161) VSS(261) K26
AY8 VSS(162) VSS(262) K39
B11 VSS(163) VSS(263) K46
B15 VSS(164) VSS(264) K7
B19 VSS(165) VSS(265) L18
B23 VSS(166) VSS(266) L2
B27 VSS(167) VSS(267) L20
B31 VSS(168) VSS(268) L26
B35 VSS(169) VSS(269) L28
B39 VSS(170) VSS(270) L36
B7 VSS(171) VSS(271) L48
B45 VSS(172) VSS(272) M12
BB12 VSS(173) VSS(273) P16
BB16 VSS(174) VSS(274) M18
BB20 VSS(175) VSS(275) M22
BB22 VSS(176) VSS(276) M24
BB24 VSS(177) VSS(277) M30
BB28 VSS(178) VSS(278) M32
BB30 VSS(179) VSS(279) M34
BB38 VSS(180) VSS(280) M38
BB4 VSS(181) VSS(281) M4
BB46 VSS(182) VSS(282) M42
BC14 VSS(183) VSS(283) M46
BC18 VSS(184) VSS(284) M6
BC2 VSS(185) VSS(285) N18
BC22 VSS(186) VSS(286) P30
BC26 VSS(187) VSS(287) M47
BC32 VSS(188) VSS(288) P11
BC34 VSS(189) VSS(289) P18
BC36 VSS(190) VSS(290) T33
BC40 VSS(191) VSS(291) P40
BC42 VSS(192) VSS(292) P43
BC48 VSS(193) VSS(293) P47
BD46 VSS(194) VSS(294) P7
BD5 VSS(195) VSS(295) R2
BE22 VSS(196) VSS(296) R48
BE26 VSS(197) VSS(297) T12
BE40 VSS(198) VSS(298) T31
BF10 VSS(199) VSS(299) T37
BF12 VSS(200) VSS(300) T4
BF16 VSS(201) VSS(301) W34
BF20 VSS(202) VSS(302) T46
BF22 VSS(203) VSS(303) T47
BF24 VSS(204) VSS(304) T8
BF26 VSS(205) VSS(305) V11
BF28 VSS(206) VSS(306) V17
B03 VSS(207) VSS(307) V26
BF30 VSS(208) VSS(308) V27
BF38 VSS(209) VSS(309) V29
BF40 VSS(210) VSS(310) V31
BFS VSS(211) VSS(311) V36
BG17 VSS(212) VSS(312) V39
BG21 VSS(213) VSS(313) V43
BG33 VSS(214) VSS(314) V7
BG44 VSS(215) VSS(315) W17
BG8 VSS(216) VSS(316) W19
BH11 VSS(217) VSS(317) W2
BH15 VSS(218) VSS(318) W27
BH17 VSS(219) VSS(319) W48
BH19 VSS(220) VSS(320) Y12
H10 VSS(221) VSS(321) Y38
BH27 VSS(222) VSS(322) Y4
BH31 VSS(223) VSS(323) Y42
BH33 VSS(224) VSS(324) Y46
BH35 VSS(225) VSS(325) Y8
BH39 VSS(226) VSS(326) B029
BH43 VSS(227) VSS(327) N24
BH7 VSS(228) VSS(328) A33
D3 VSS(229) VSS(329) AD47
D12 VSS(230) VSS(330) B43
D16 VSS(231) VSS(331) BE10
D18 VSS(232) VSS(332) BG41
D22 VSS(233) VSS(333) G14
D24 VSS(234) VSS(334) H16
D26 VSS(235) VSS(335) T36
D30 VSS(236) VSS(336) BG22
D32 VSS(237) VSS(337) BG24
D34 VSS(238) VSS(338) C22
D38 VSS(239) VSS(339) AP13
D42 VSS(240) VSS(340) M14
D8 VSS(241) VSS(341) AP3
E18 VSS(242) VSS(342) AP1
E26 VSS(243) VSS(343) BE16
G18 VSS(244) VSS(344) BC16
G20 VSS(245) VSS(345) B025
G26 VSS(246) VSS(346) BJ28
G28 VSS(247) VSS(347) V352
G36 VSS(248) VSS(348) V352
G48 VSS(249) VSS(349) V352
H12 VSS(250) VSS(350) V352
H18 VSS(251) VSS(351) V352
H22 VSS(252) VSS(352) V352
H24 VSS(253) VSS(353) V352
H26 VSS(254) VSS(354) V352
H30 VSS(255) VSS(355) V352
H32 VSS(256) VSS(356) V352
H34 VSS(257) VSS(357) V352
F3 VSS(258) VSS(358) V352

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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

A



C

D

F

F

A

B

C

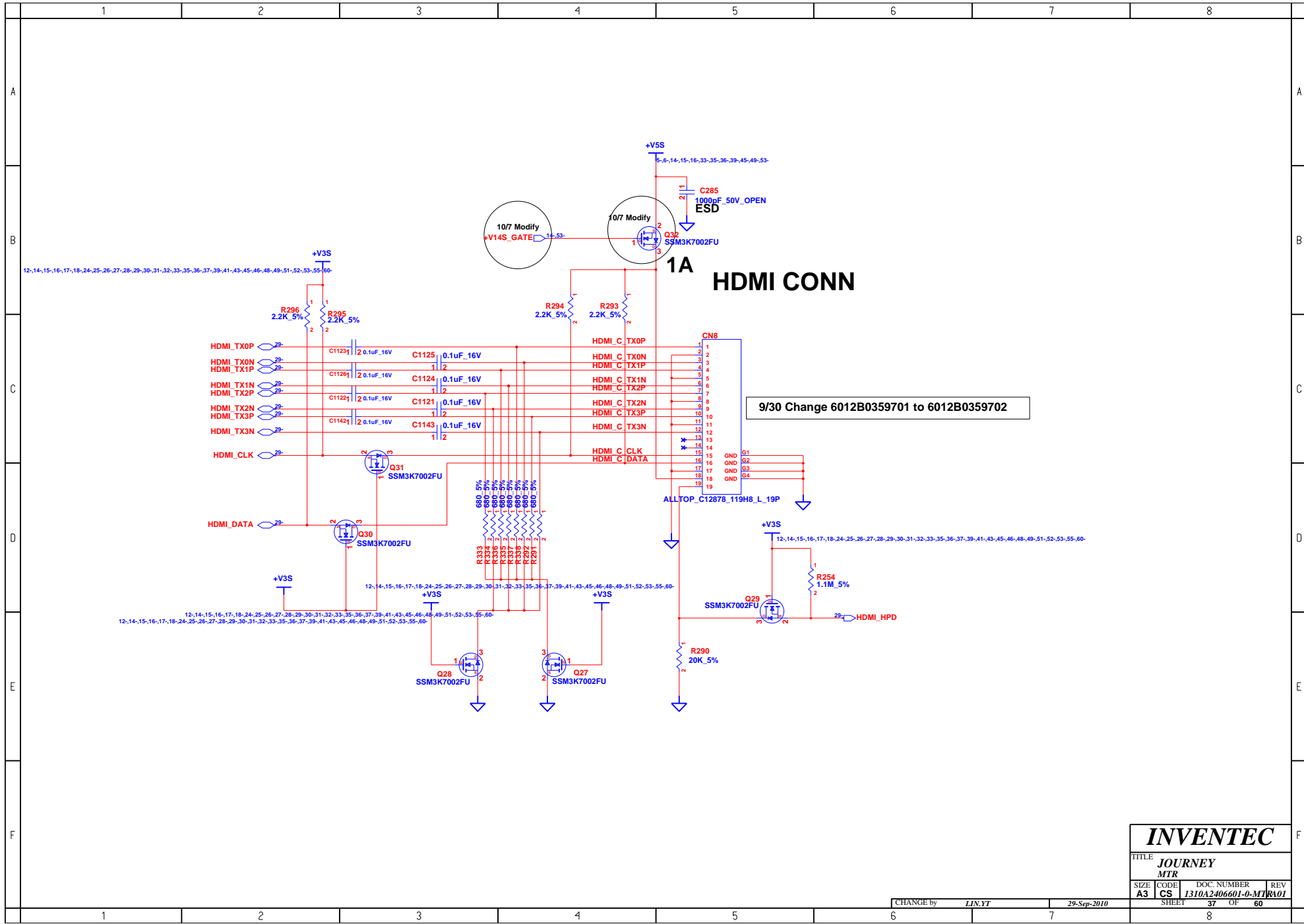
D

F

F

INVENTEC			
TITLE JOURNEY LCM & WEBCAM			
SIZE A3	CODE CS	DOC. NUMBER 1310A2406601-0-M7RA01	REV
SHEET		36	OF 60

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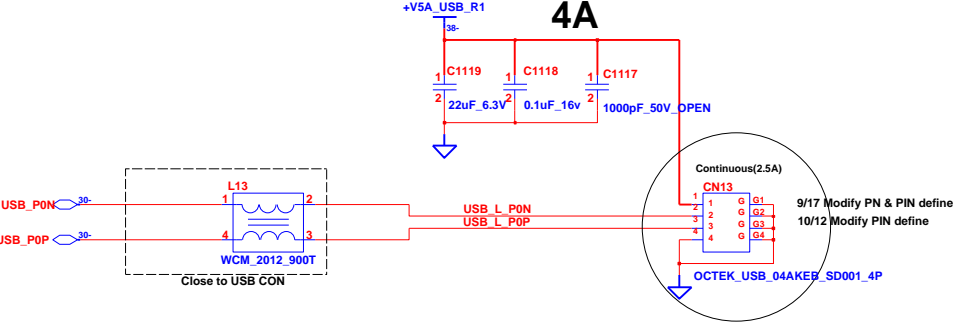
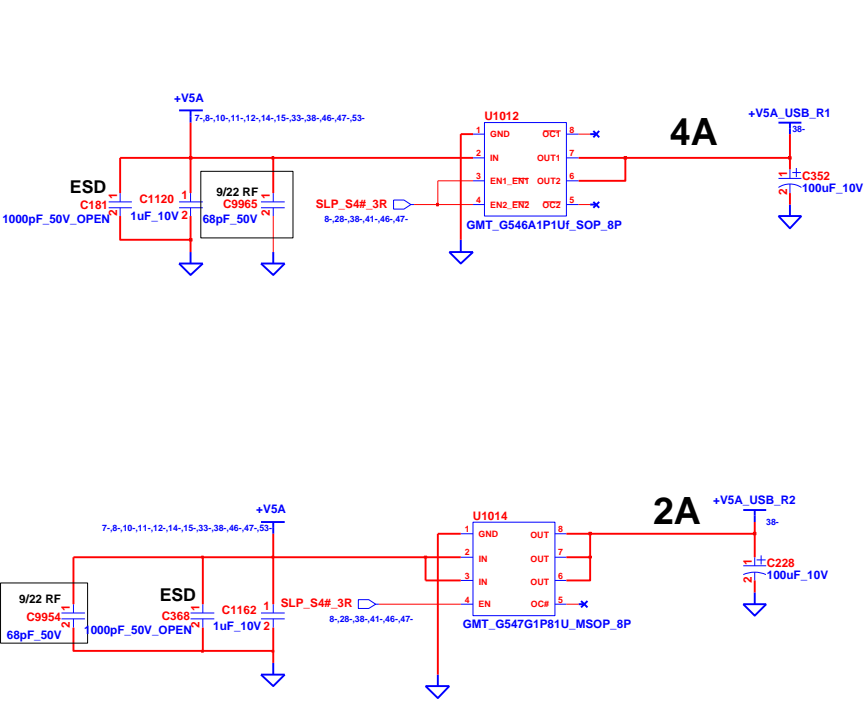
INVENTEC

TITLE			
JOURNEY			
MTR			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2406601-0-MTR	R01
SHEET		37	OF 60

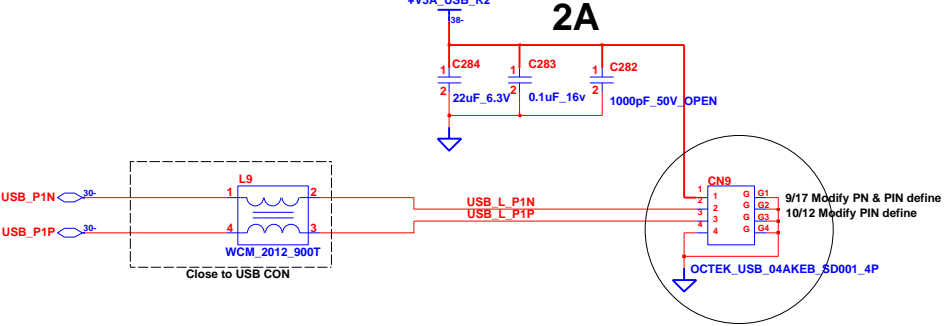
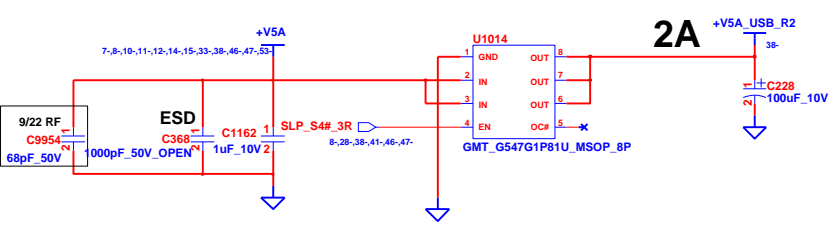
CHANGE by LIN.YT 29-Sep-2010

USB2.0 CONN(Right side)

USB Power port Conn



USB 2.0 Conn

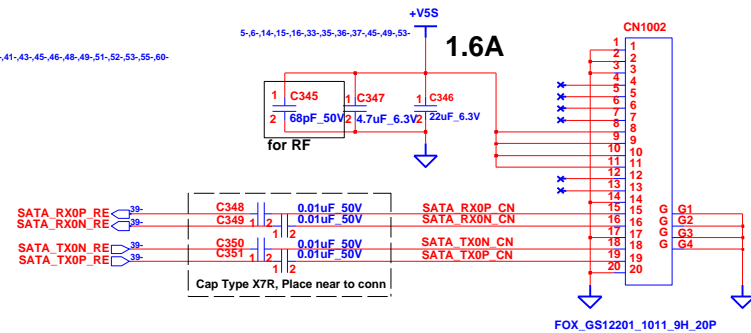
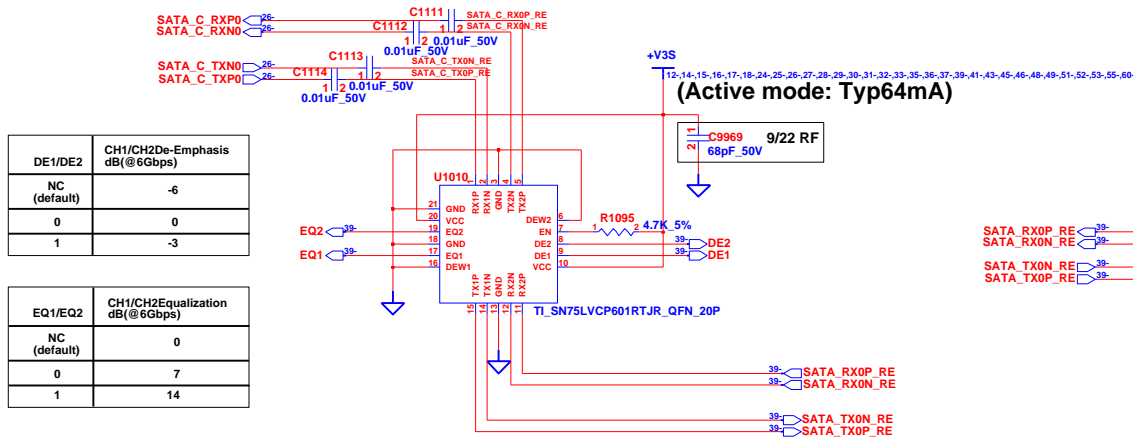


INVENTEC

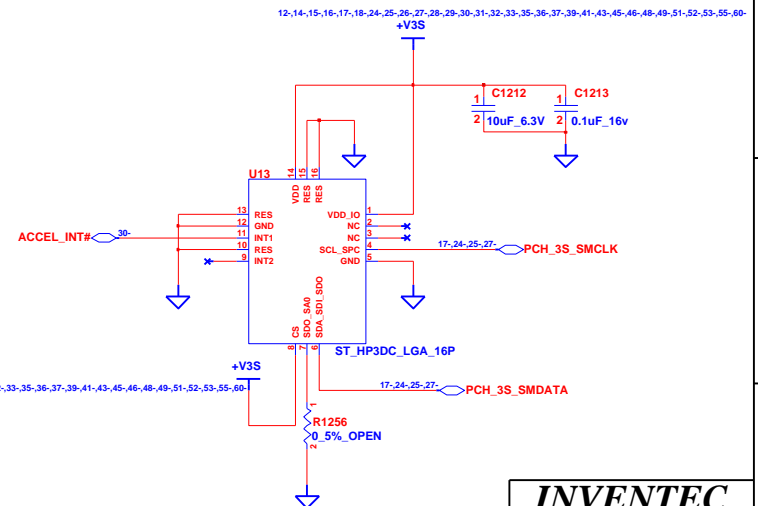
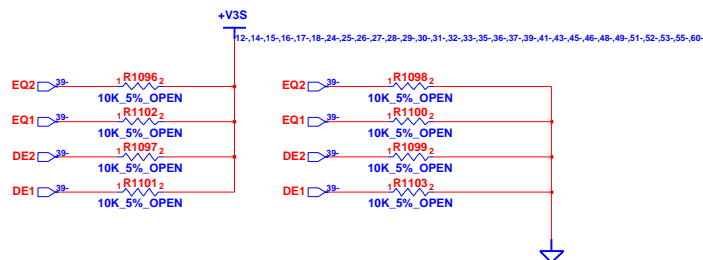
TITLE			
JOURNEY			
USB & ESATA COMBO			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2406601-0-MT	R01
SHEET		38	OF 60

CHANGE by LIN.YT 29-Sep-2010

SATA HDD CONN & G-SENSOR



ACCELERATOR

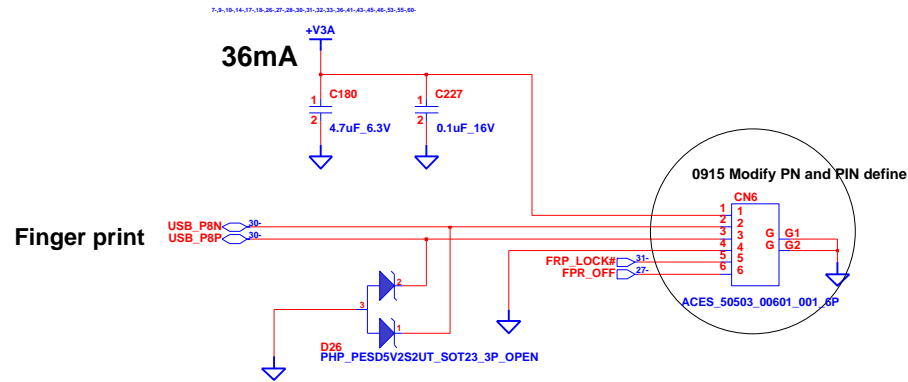


INVENTEC

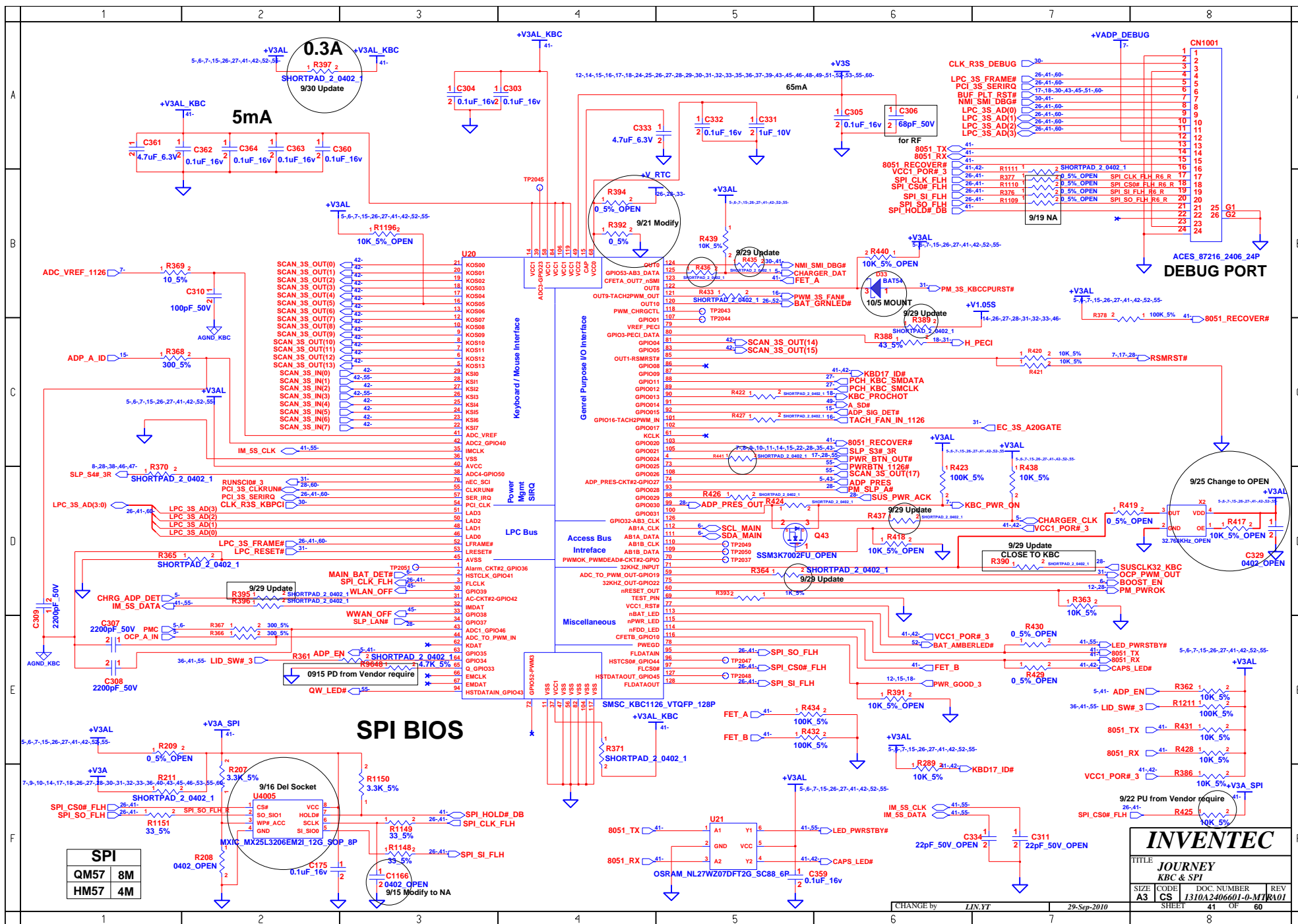
TITLE			
JOURNEY			
SATA HDD & ODD			
SIZE	CODE	DOC NUMBER	REV
A3	CS	1310A2406601-0-MT	R01
SHEET		OF	60

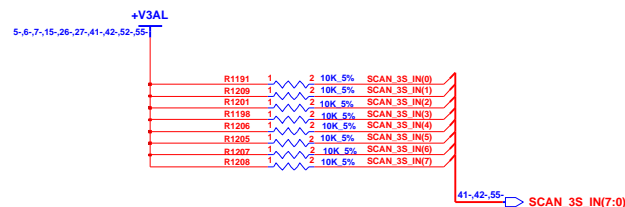
CHANGE by LIN.YT 29-Sep-2010

MB to FP BOARD



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





INVENTEC			
TITLE JOURNEY KEYBOARD & STICK POINT			
SIZE A3	CODE CS	DOC. NUMBER 1310A2406601-0-MTR	REV RA01
SHEET 42		OF 60	

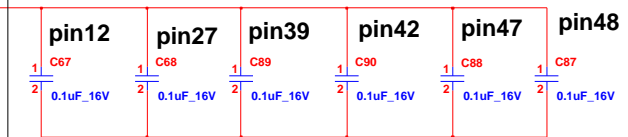
CHANGE by	LIN.YT	29-Sep-2010
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LAN

+V3_LAN rising time:1ms~100ms

0.5A

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

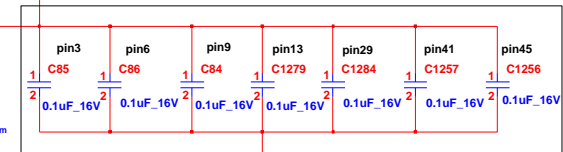


Placed near LAN Controller

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

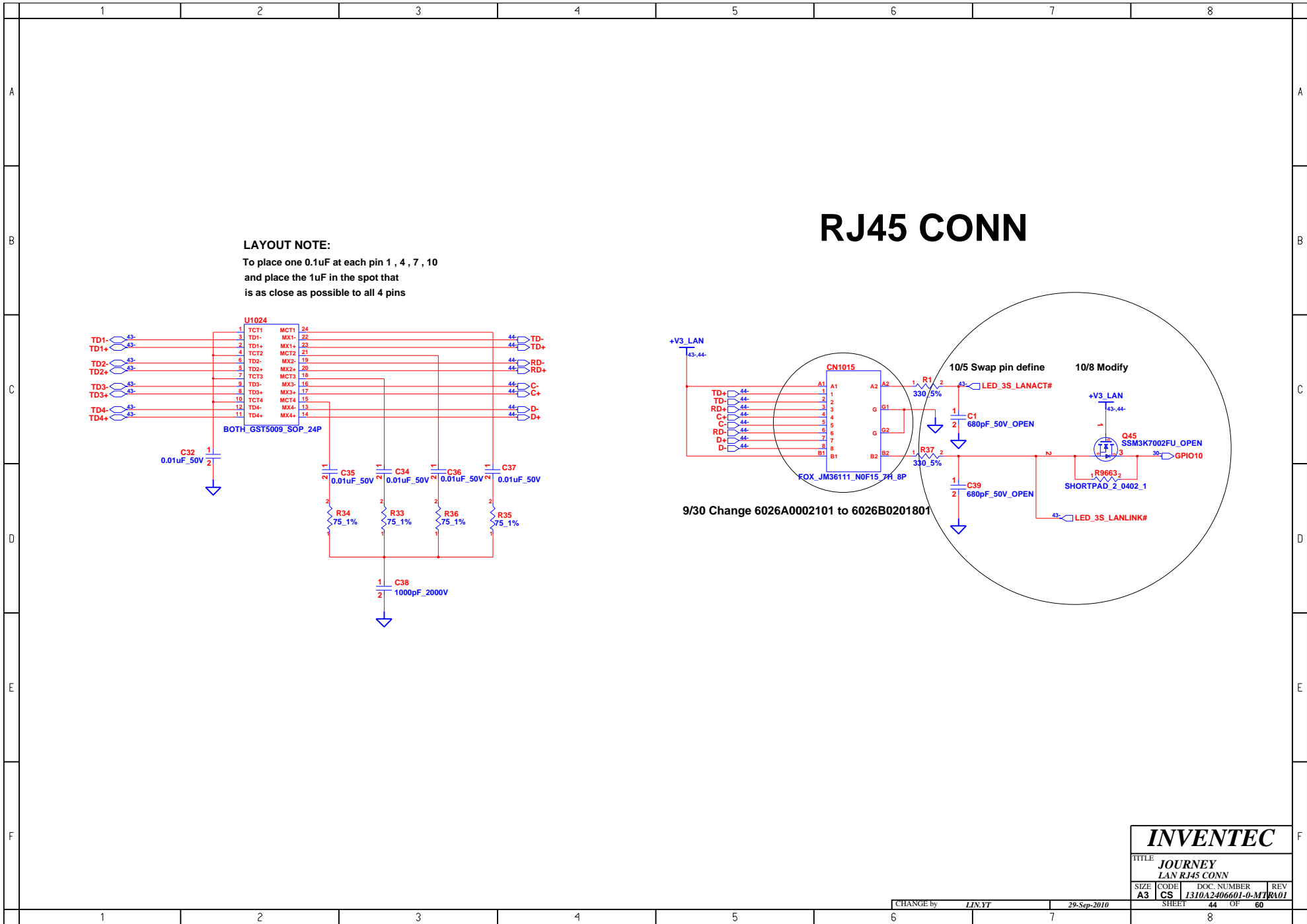
C7042 & C7074 are for +EVDD10 pin21

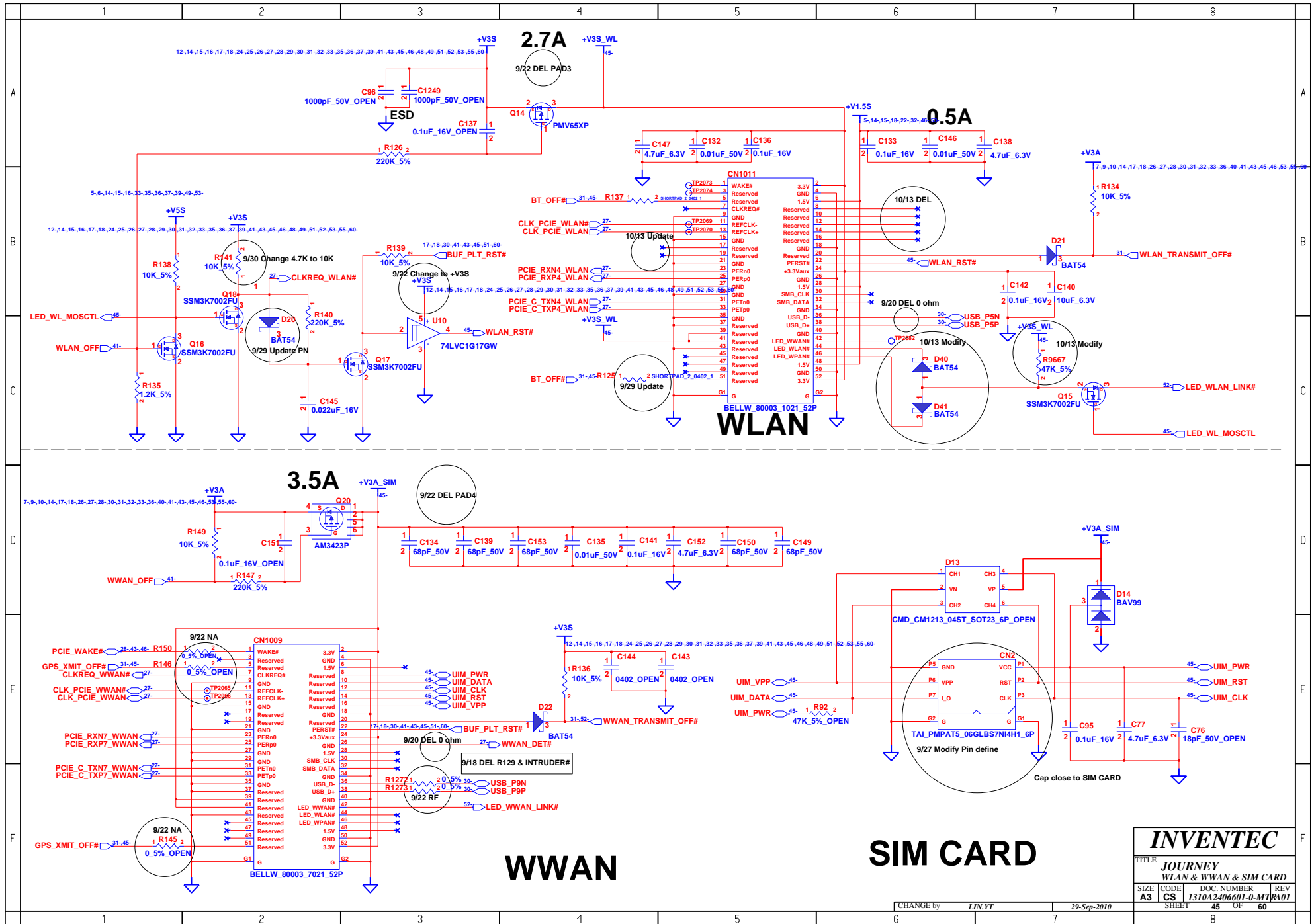
PU 10K ohm on PCH side

CLKREQ_LAN# 27-
PCIE_C_TXP6_LAN 27-
PCIE_C_TXN6_LAN 27-
CLK_PCIE_LAN 27-
CLK_PCIE_LAN# 27-
PCIE_RXP6_LAN 27-
PCIE_RXN6_LAN 27-
PCIE_C_RXP6_LAN 27-
PCIE_C_RXN6_LAN 27-

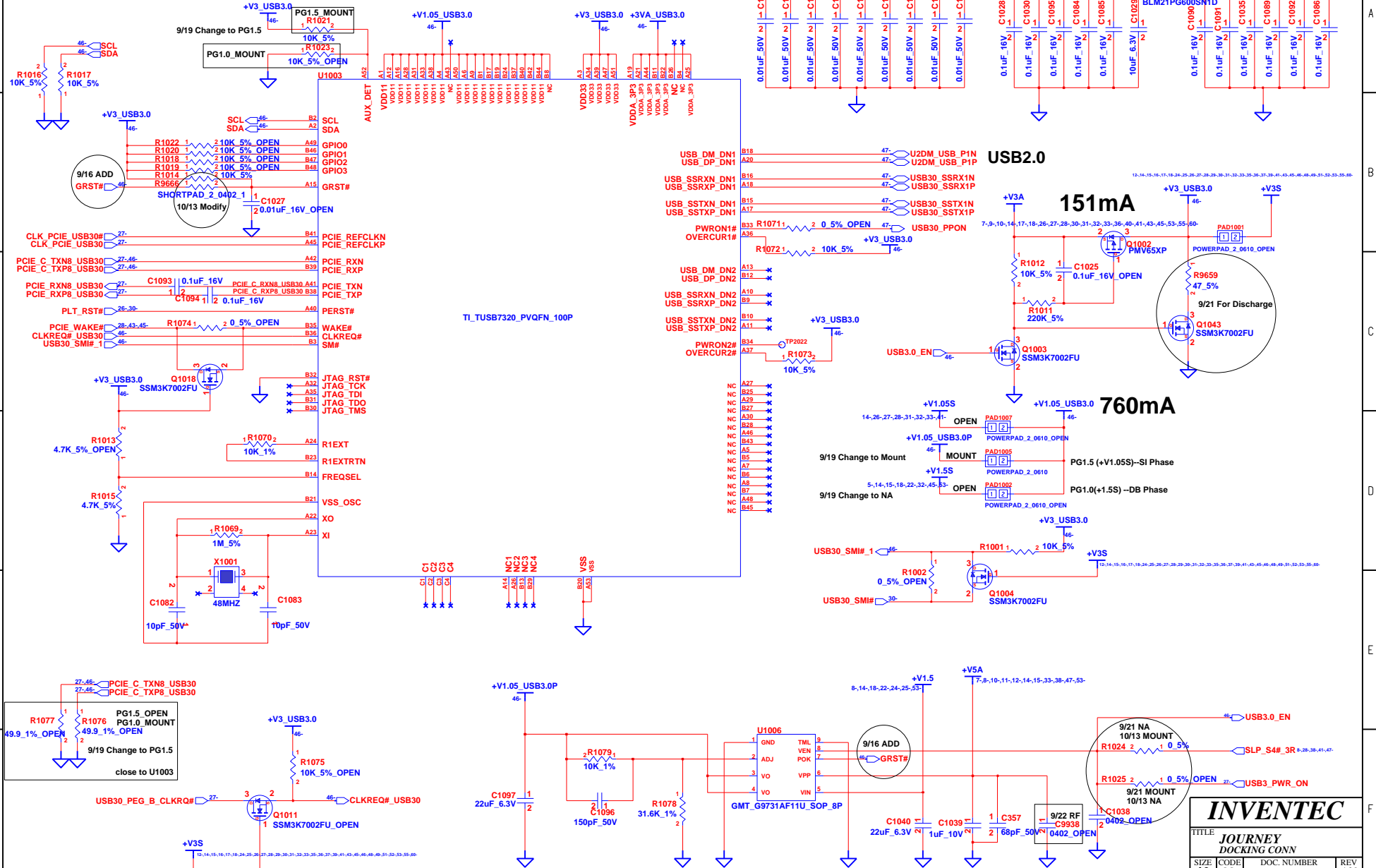
INVENTEC

TITLE JOURNEY LAN INTERFACE			
SIZE A3	CODE CS	DOC NUMBER 1310A2406601-0-MT	REV R01
CHANGE by LIN.YT		29-Sep-2010	
SHEET 43		OF 60	



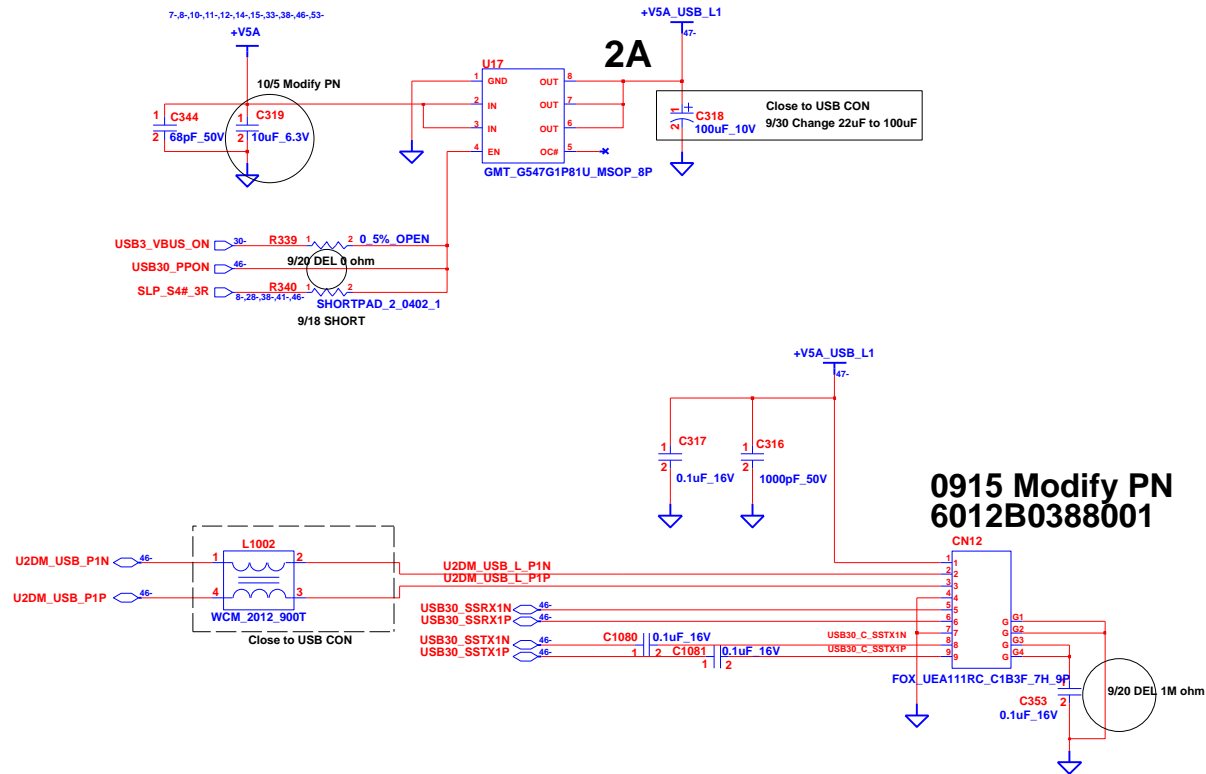


USB3.0 CONTROLLER

**INVENTEC**

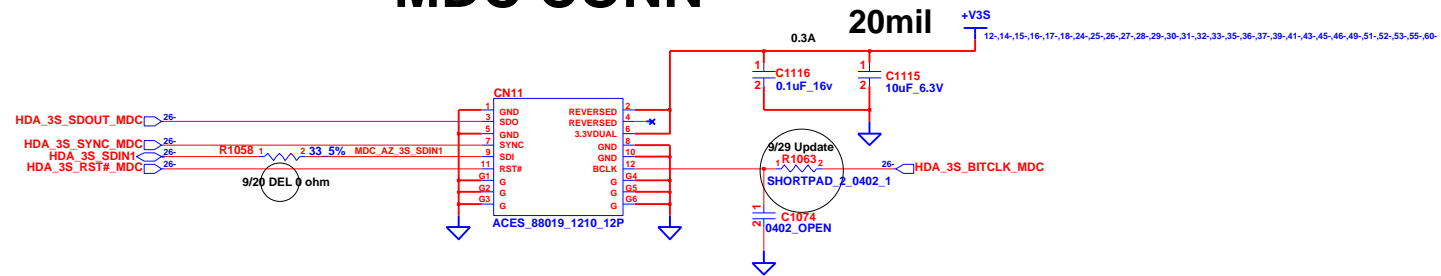
TITLE			
JOURNEY DOCKING CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2406601-0-MTRAO	
SHEET		46	OF 60

USB3.0 CONN(Left side)



INVENTEC			
TITLE JOURNEY			
power /wlan /wlan /Bt LED			
SIZE A3	CODE CS	DOC. NUMBER 1310A2406601-0-MT	REV R01
CHANGE by LIN.YT		29-Sep-2010	
SHEET 47		OF 60	

MDC CONN

***INVENTEC***

TITLE	<i>JOURNEY</i>
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SIZE A3	CODE CS	DOC. NUMBER 1310A2406601-0-MT	REV RA01
SHEET		48	OF 60

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

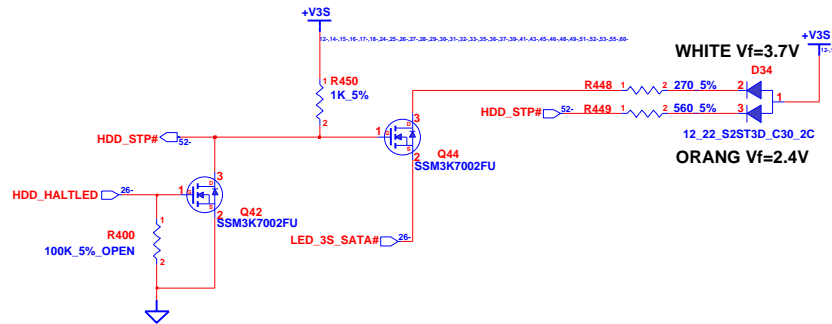
TITLE			
JOURNEY SMART CARD			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2406601-0-MTR	A01
SHEET		51	OF 60

CHANGE by	LIN.YT	29-Sep-2010
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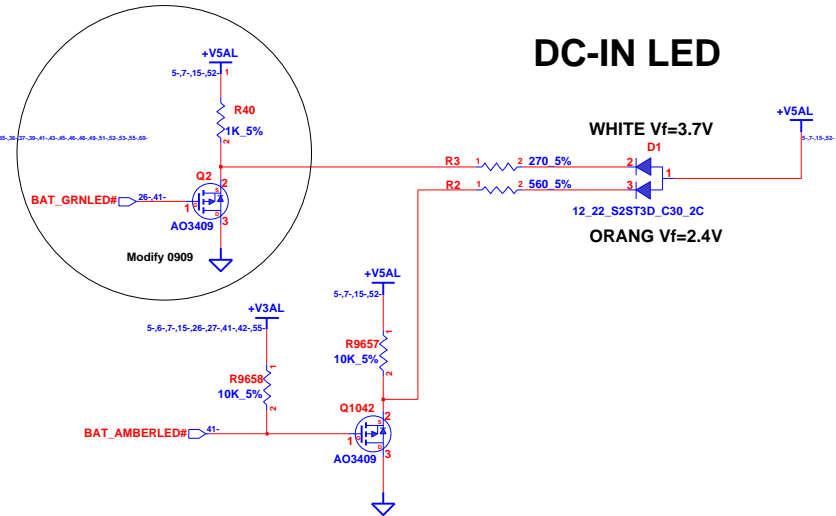
CS 1310A2406601-0-M1
SHEET 51 OF 60

LED

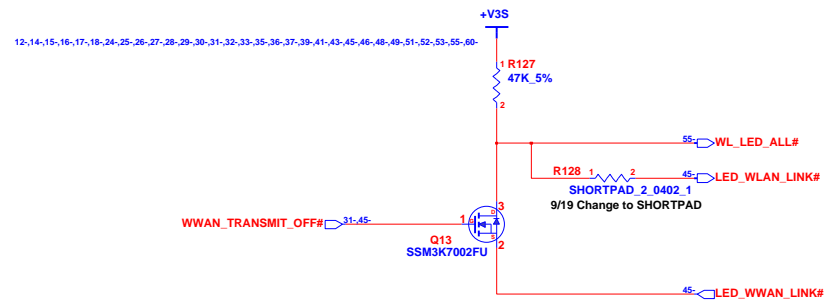
SATA LED & HDD-HALTED LED



DC-IN LED



WLAN_WWAN_Bluetooth_LED



INVENTEC

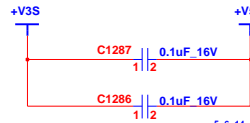
TITLE **JOURNEY**

SIZE A3	CODE CS	DOC. NUMBER 1310A2406601-0-MT	REV R01
SHEET 52		OF 60	

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

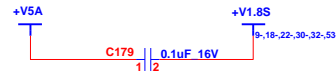
STITCHING CAPS

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

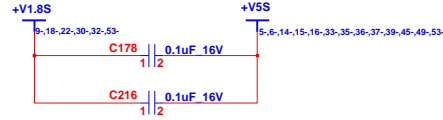
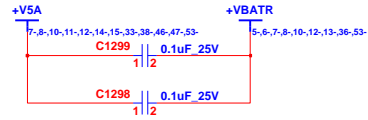
7,8,10,11,12,14,15,33,38,46,47,53



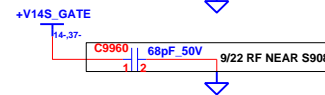
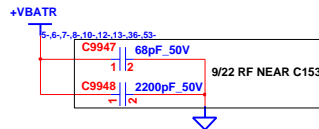
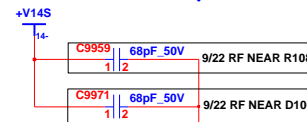
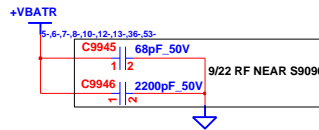
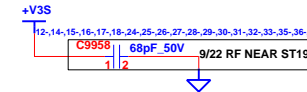
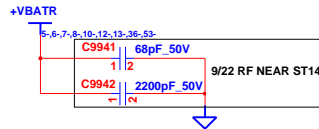
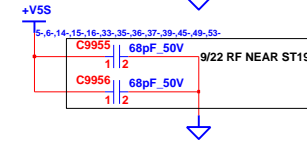
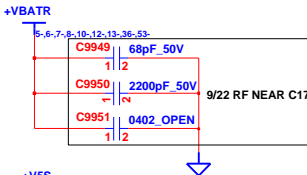
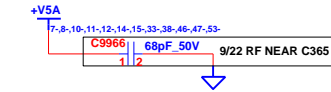
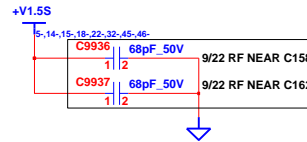
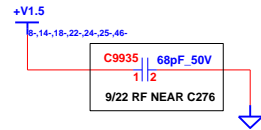
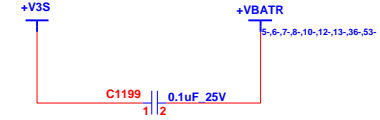
7,9,10,14,17,18,26,27,28,30,31,32,33,36,40,41,43,45,46,55,60-



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



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-

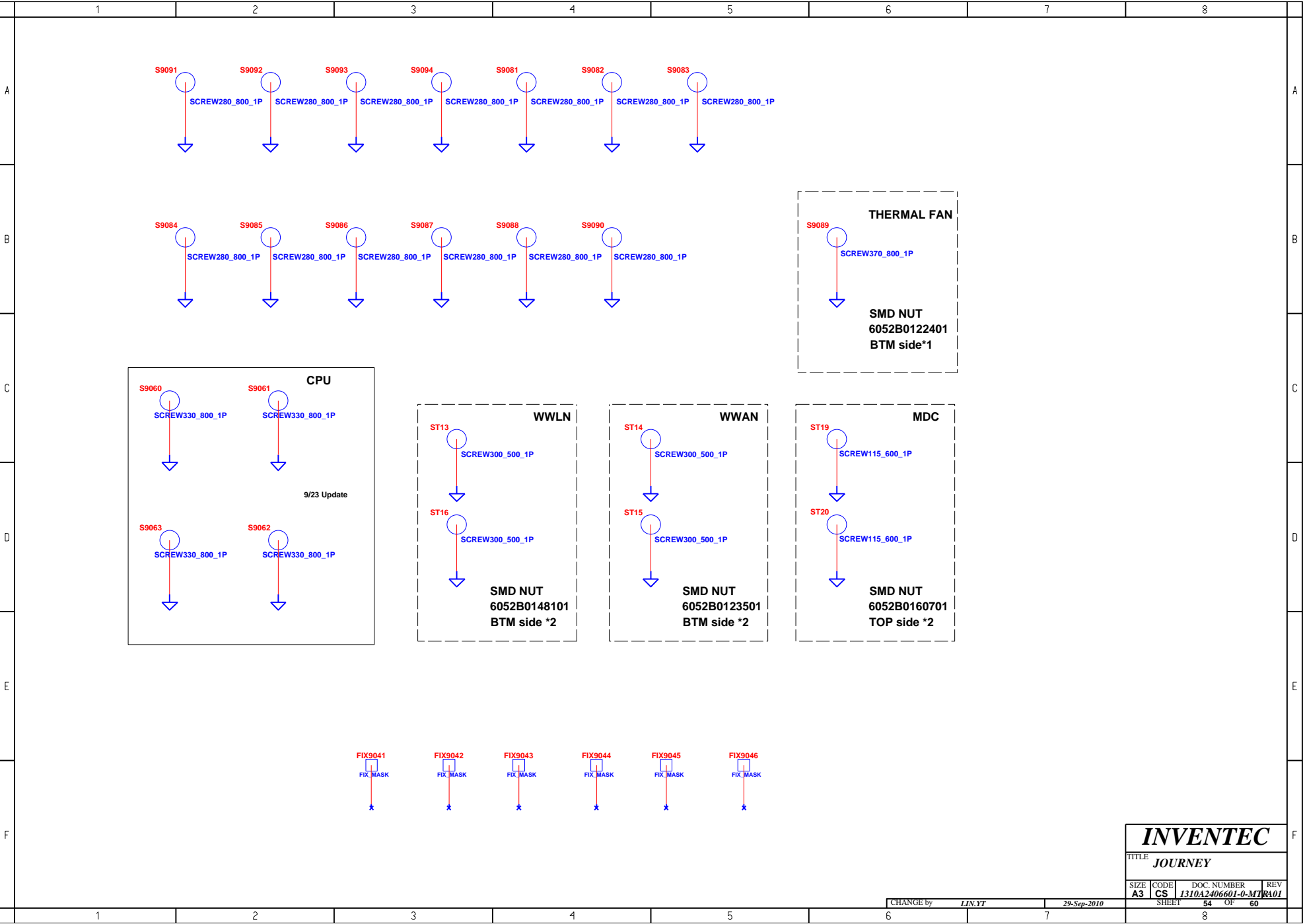


INVENTEC

TITLE **JOURNEY**

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

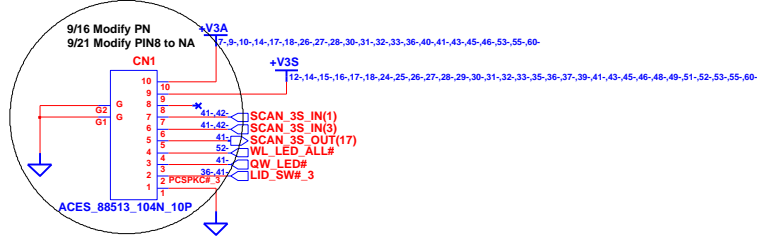
CHANGE by **LIN.YT** 29-Sep-2010



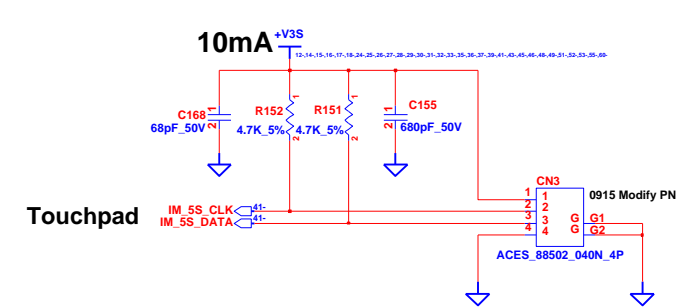
INVENTEC			
TITLE JOURNEY			
SIZE A3	CODE CS	DOC. NUMBER 1310A2406601-0-MTR	REV R01
CHANGE by LIN.YT		29-Sep-2010	
SHEET 54		OF 60	

Wire to board Conn on MB

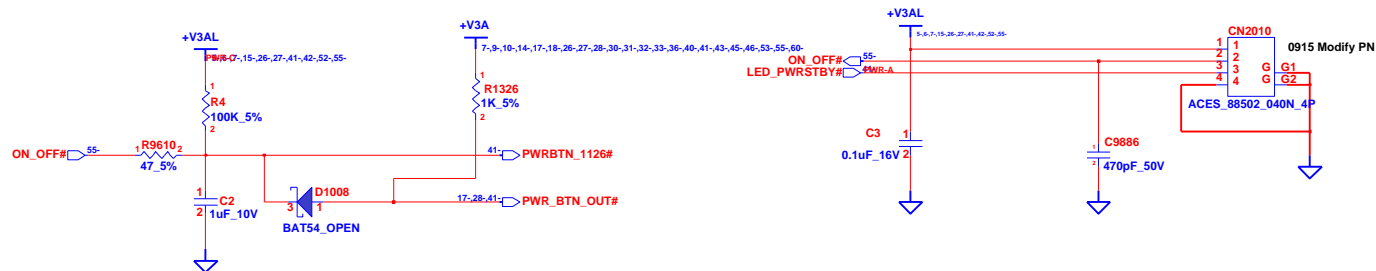
MB to Launch BOARD



MB to PICK Button BOARD



MB to POWER BOARD



INVENTEC

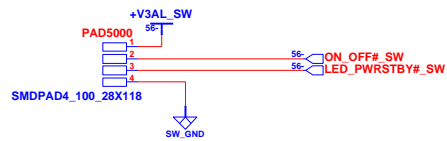
TITLE
JOURNEY
CARD READER

SIZE A3	CODE CS	DOC. NUMBER 1310A2406601-0-MT	REV R101
SHEET 55		OF 60	

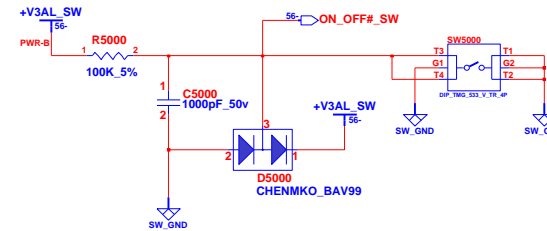
CHANGE by LIN.YT 29-Sep-2010

DB Power Board

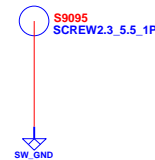
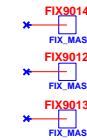
PWR SW W/B CONN



Power Button



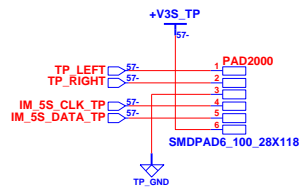
Power / Standby LED



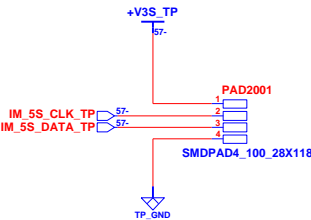
INVENTEC			
TITLE JOURNEY			
SIZE A3	CODE CS	DOC. NUMBER 1310A2406601-0-MT	REV R01
CHANGE by LIN.YT		29-Sep-2010	
SHEET 56		OF 60	

DB PICK Button Board

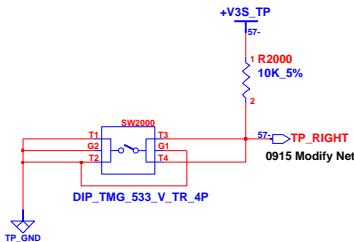
To Touchpad Module



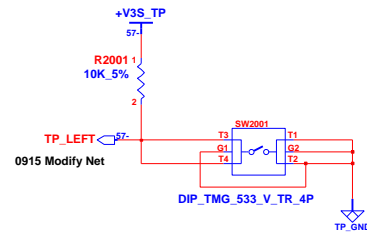
To MB KBC



RIGHT BUTTON



LEFT BUTTON



FIX9021
FIX_MASK

FIX9022
FIX_MASK

INVENTEC

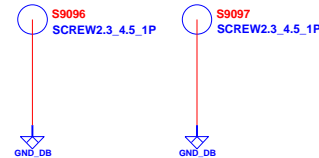
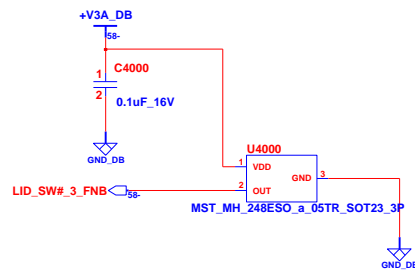
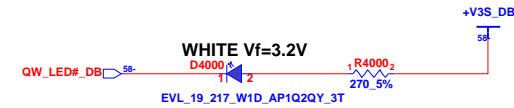
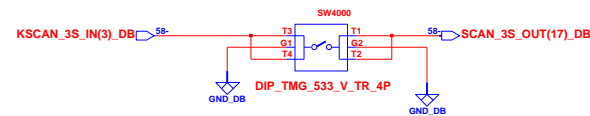
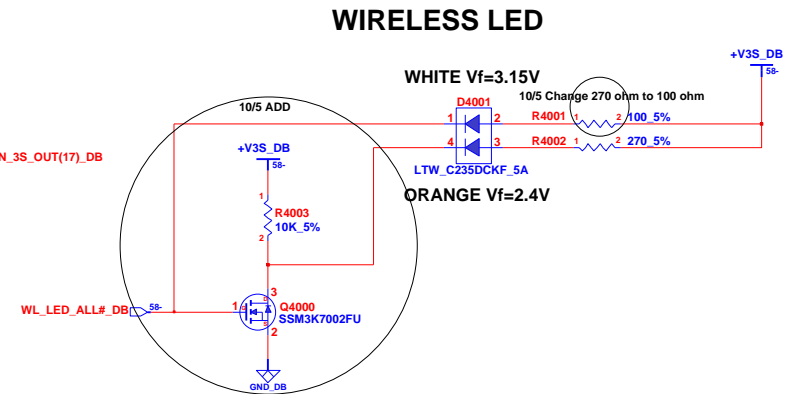
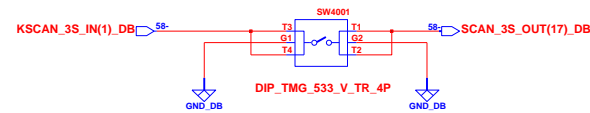
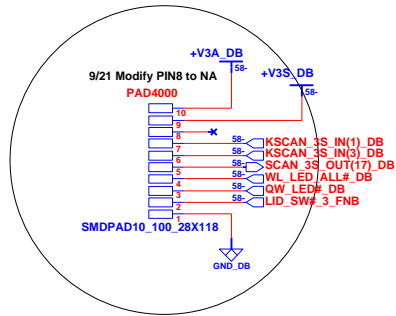
TITLE **JOURNEY**

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

CHANGE by **LIN.YT** 13-Oct-2010

SHEET 57 OF 60

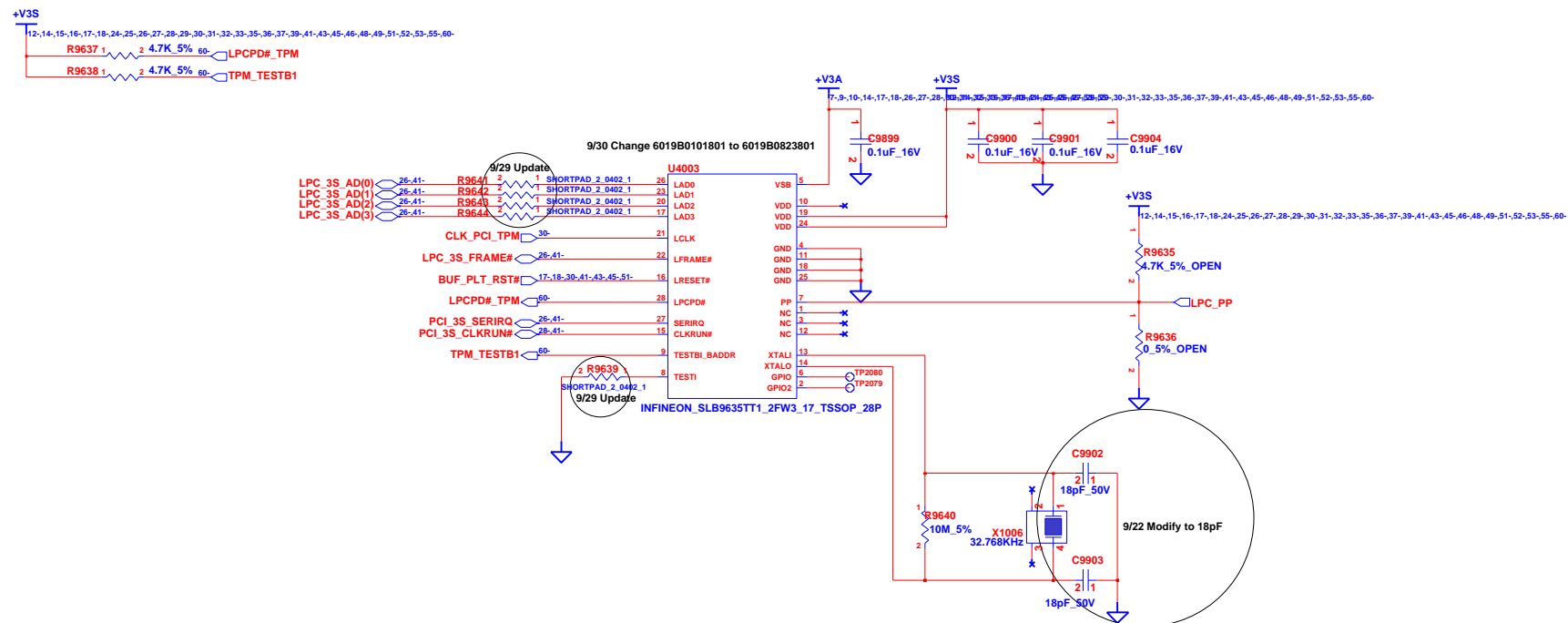
DB LAUNCH BOARD(Wireless LED & Quick LED H-SENSOR)



INVENTEC			
TITLE JOURNEY			
SIZE A3	CODE CS	DOC. NUMBER 1310A2406601-0-MT	REV R01
CHANGE by LIN.YT		29-Sep-2010	
SHEET 58		OF 60	

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

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



<i>INVENTEC</i>			
TITLE <i>JOURNEY</i>			
SIZE A3	CODE CS	DOC. NUMBER 1310A2406601-0-MTR	REV RA01
SHEET		60	OF 60