

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

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ET10
A01 PHASE

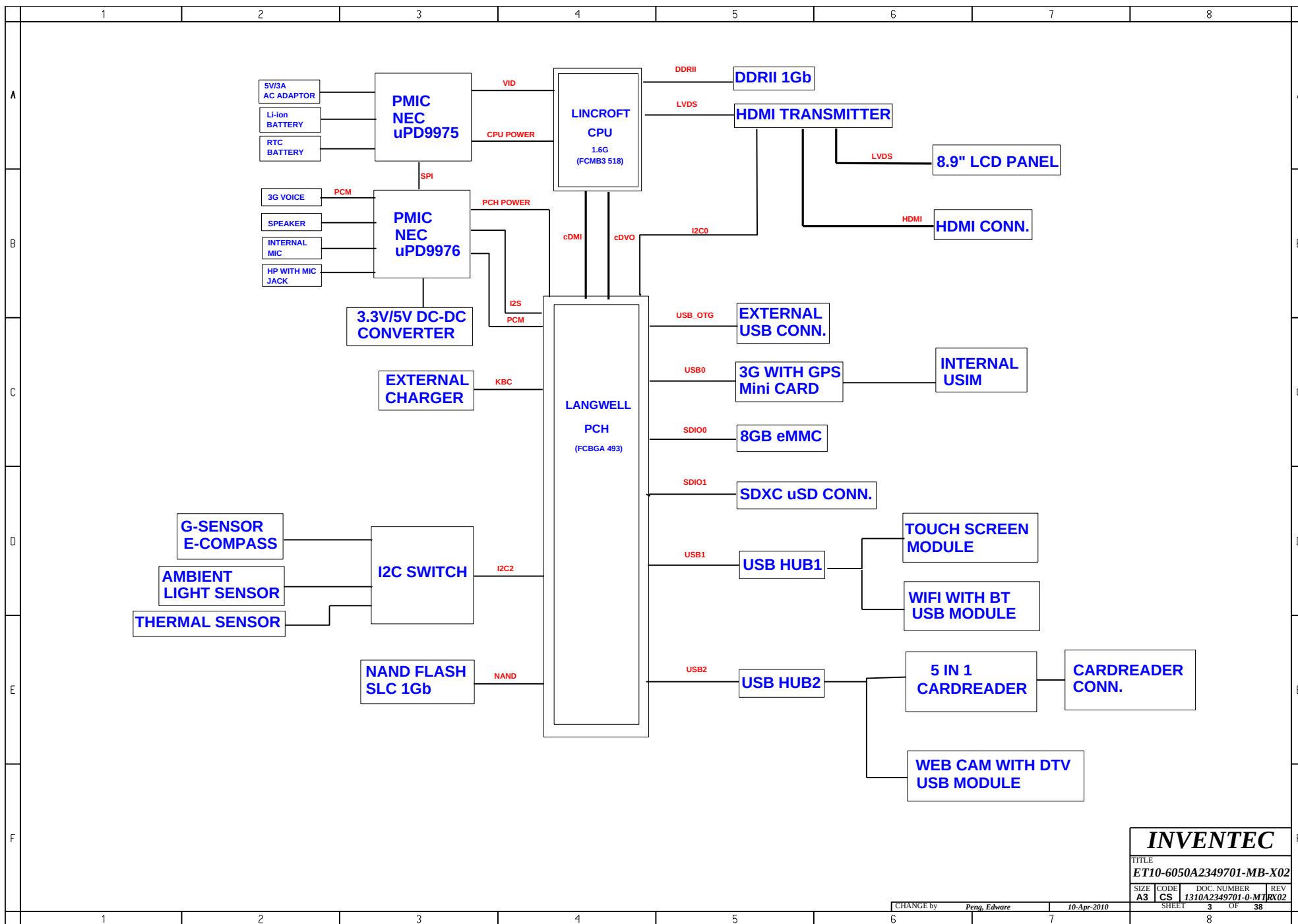
2010/4/13

DATE	CHANGE NO.	REV
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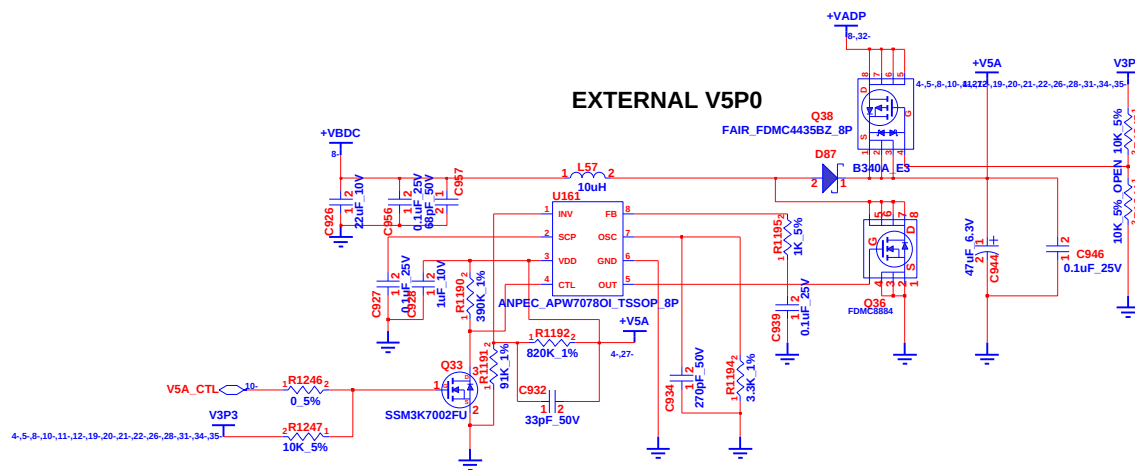
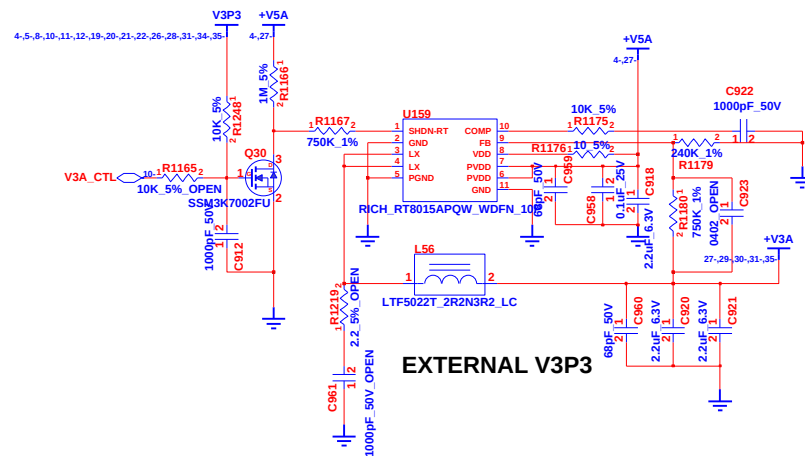
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DESIGN				
CHECK				
RESPONSIBLE				
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INVENTEC	
TITLE	
ET10-6050A2349701-MB-X02	
SIZE	DOC. NUMBER
A3	CS
SHEET	OF
1	38

	1	2	3	4	5	6	7	8	
A	TABLE OF CONTENTS								A
B	P01- COVER PAGE P02- INDEX P03- BLOCK DIAGRAM P04- EXTERNAL CHARGER/DC-DC CONVERTER P05- SPI BIT FUNCTION P06-PMIC 9975-1 P07-PMIC 9975-2 P08-PMIC 9975-3 P09-PMIC 9975-4 P10-PMIC_9976-1 P11-PMIC 9976-2 P12-PMIC 9976-3 P13-USB HUB2 P14-LINCROFT DDR P15-LINCROFT LVDS/DMI P16 LINCROFT PWR P17-LINCROFT GND P18-LANGWELL CDMI/CDVO P19-LANGWELL BT_CSI/MIPI P18-LANGWELL CDMI/CDVO P19-LANGWELL BT_CSI/MIPI P20-LANGWELL SD/SDIO/USB/FLASH P21-LANGWELL SPI/I2C/I2S/ P22-LANGWELL PWR P23-LANGWELL GND P24-USB HUB2 P25-DDRII 800 P26-NAND FLASH				P27-LVDS CONN P28-G-SENSOR/E-COMPASS/THERMAL SENSOR P29-CAMERA CONN P30-3G/GPS MINI CARD P31-HDMI TRANSMITTER/HDMI CONN P32-USB OTG/POWER JACK P33-5 IN 1 CARD READER P34- eMMC STORAGE P35- BUTTONS/LED/SHUTTER/FUNCTION KEY P36-OPEN DDR P37- uSD CONN				B
C									C
D									D
E									E
F									F
						INVENTEC TITLE ET10-6050A2349701-MB-X02 SIZE A3 CODE CS DOC. NUMBER 1310A2349701-0-MT REV R02 CHANGE by Peng, Edward 10-Apr-2010 SHEET 2 OF 38			
	1	2	3	4	5	6	7	8	



INVENTEC			
TITLE			
ET10-6050A2349701-MB-X02			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2349701-0-MT	R002
CHANGE by		10-Apr-2010	
Penq, Edware			
SHEET		3	OF 38



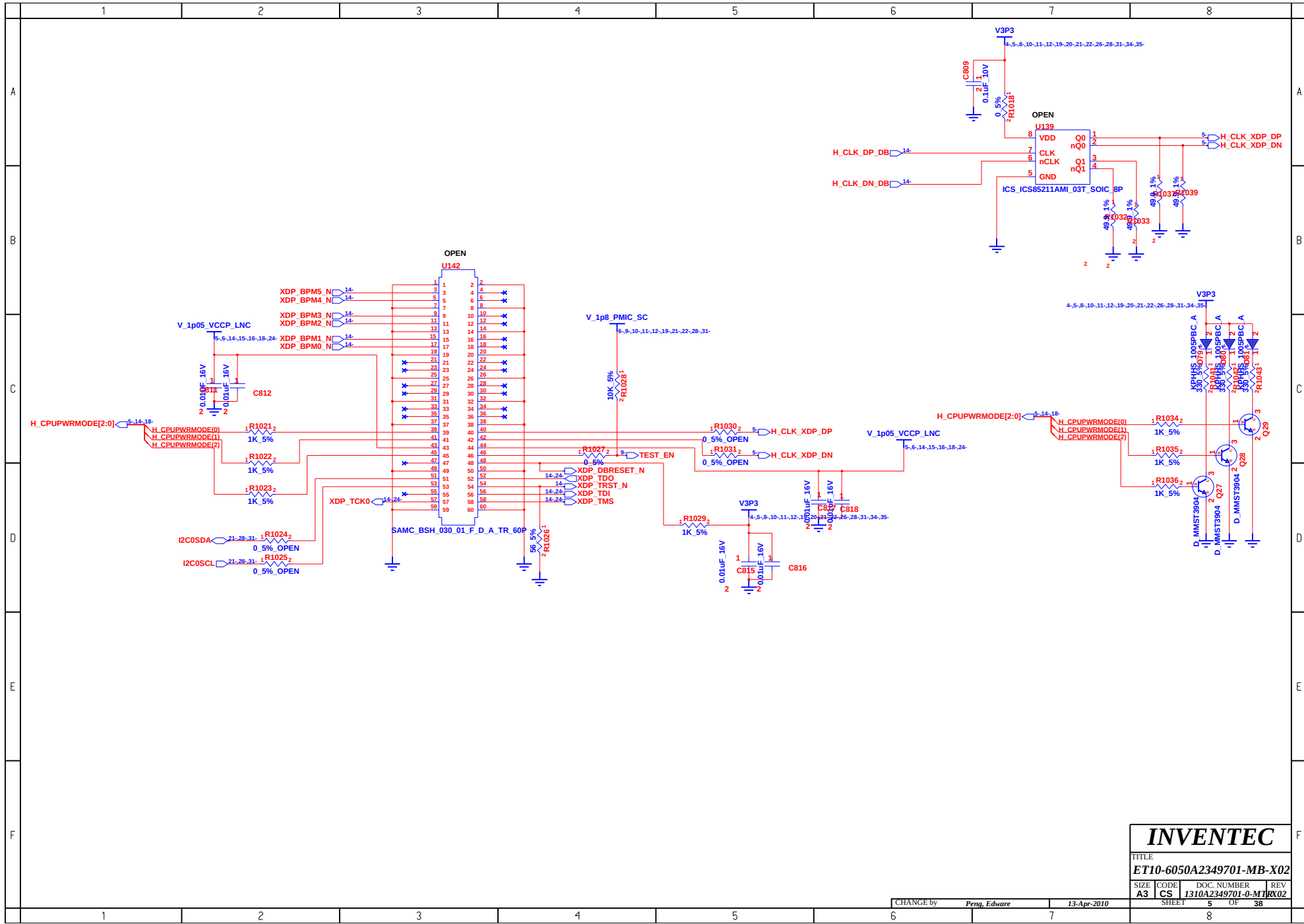
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ET10-6050A2349701-MB-X02			
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A3	CS	1310A2349701-0-MT	R002
SHEET		4	OF 38

CHANGE by Penq, Edward 13-Apr-2010

7

8



INVENTEC			
TITLE			
ET10-6050A2349701-MB-X02			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2349701-0-MT	R02
CHANGE by		Penq, Edward	13-Apr-2010
SHEET		5	OF 38

NEC PMIC-1

Revision Table:

REV	DATE	BY	CHKD	APPD
1	10-12-20	EDWARD		

Part Number: NEC PMIC-1

Revision: 1

DATE: 10-12-20

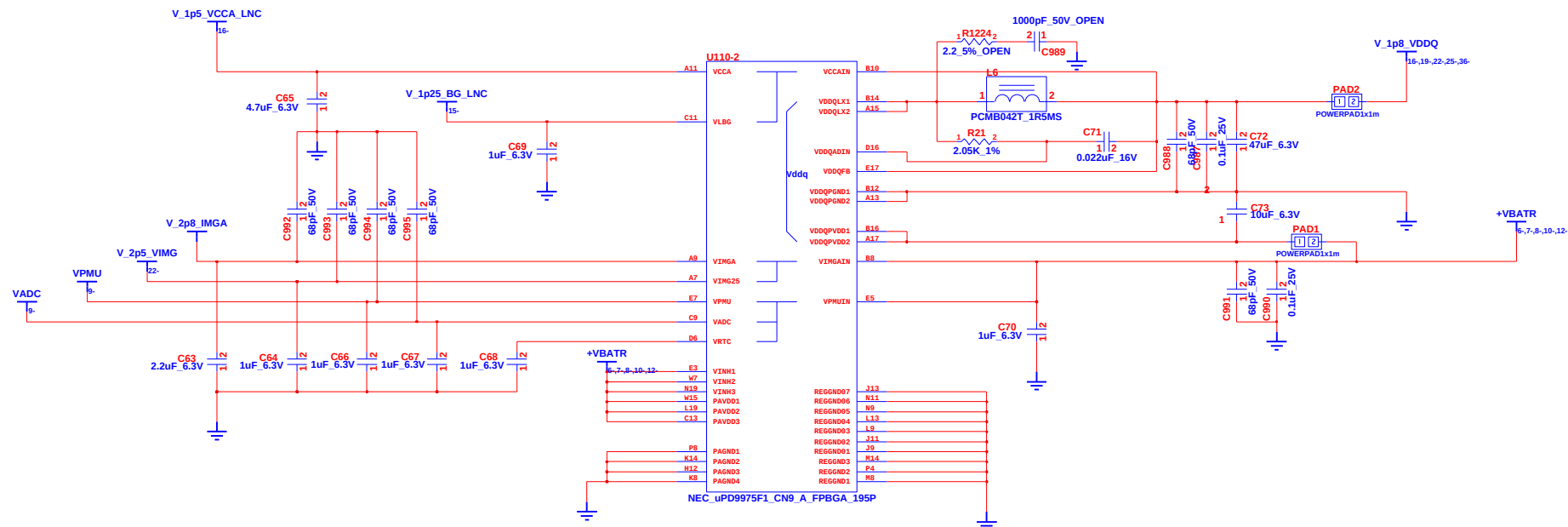
BY: EDWARD

CHKD:

APPD:

SIZE A3	CODE CS	DOC. NUMBER 1310A2349701-0-MT	REV RX02
SHEET		6	OF 38

NEC PMIC-2



INVENTEC

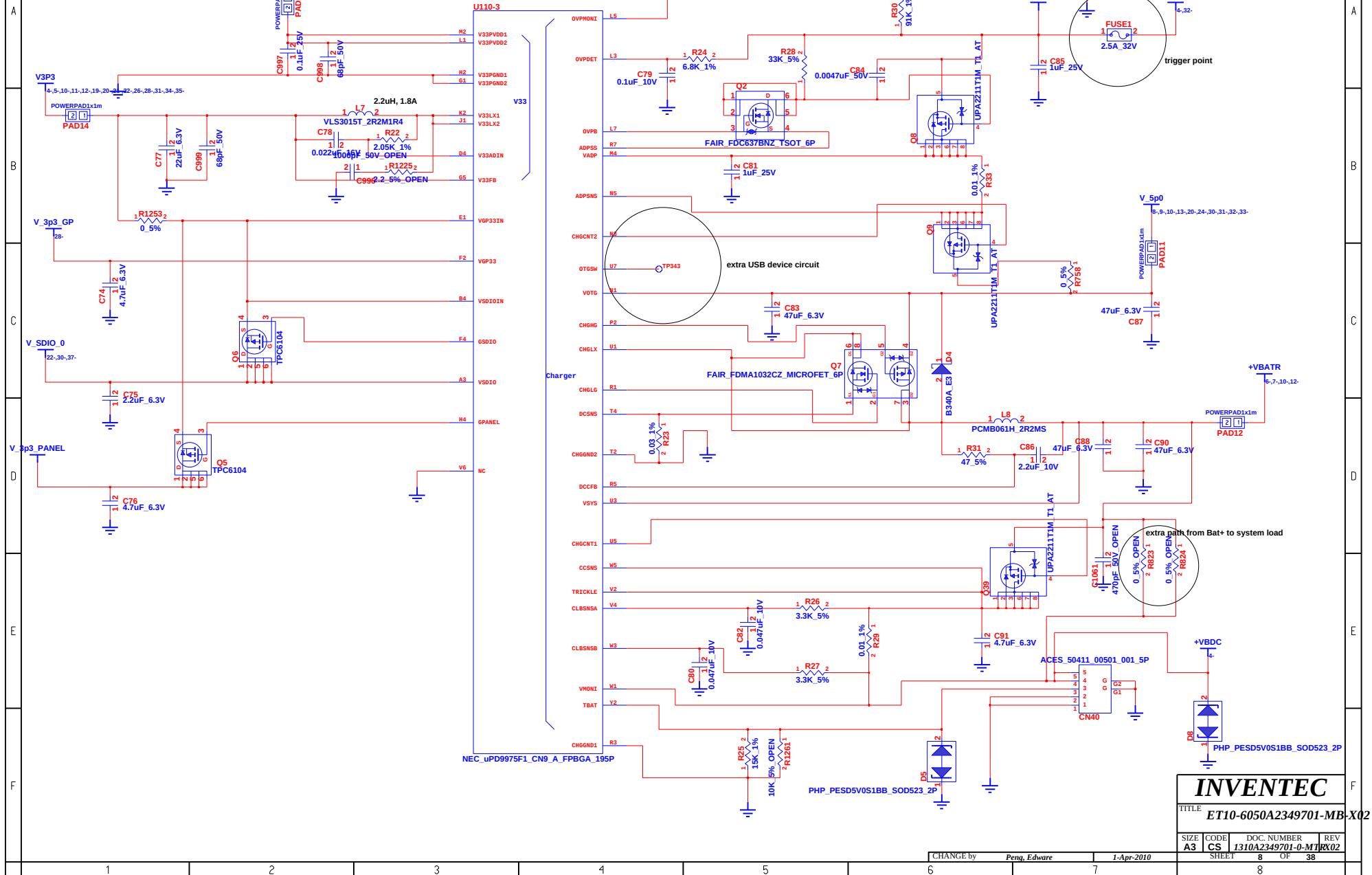
TITLE ET10-6050A2349701-MB-X02

SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2349701-0-MT	R002

CHANGE by Penq, Edward 1-Apr-2010

SHEET 7 OF 38

NEC PMIC-3



A



C

D

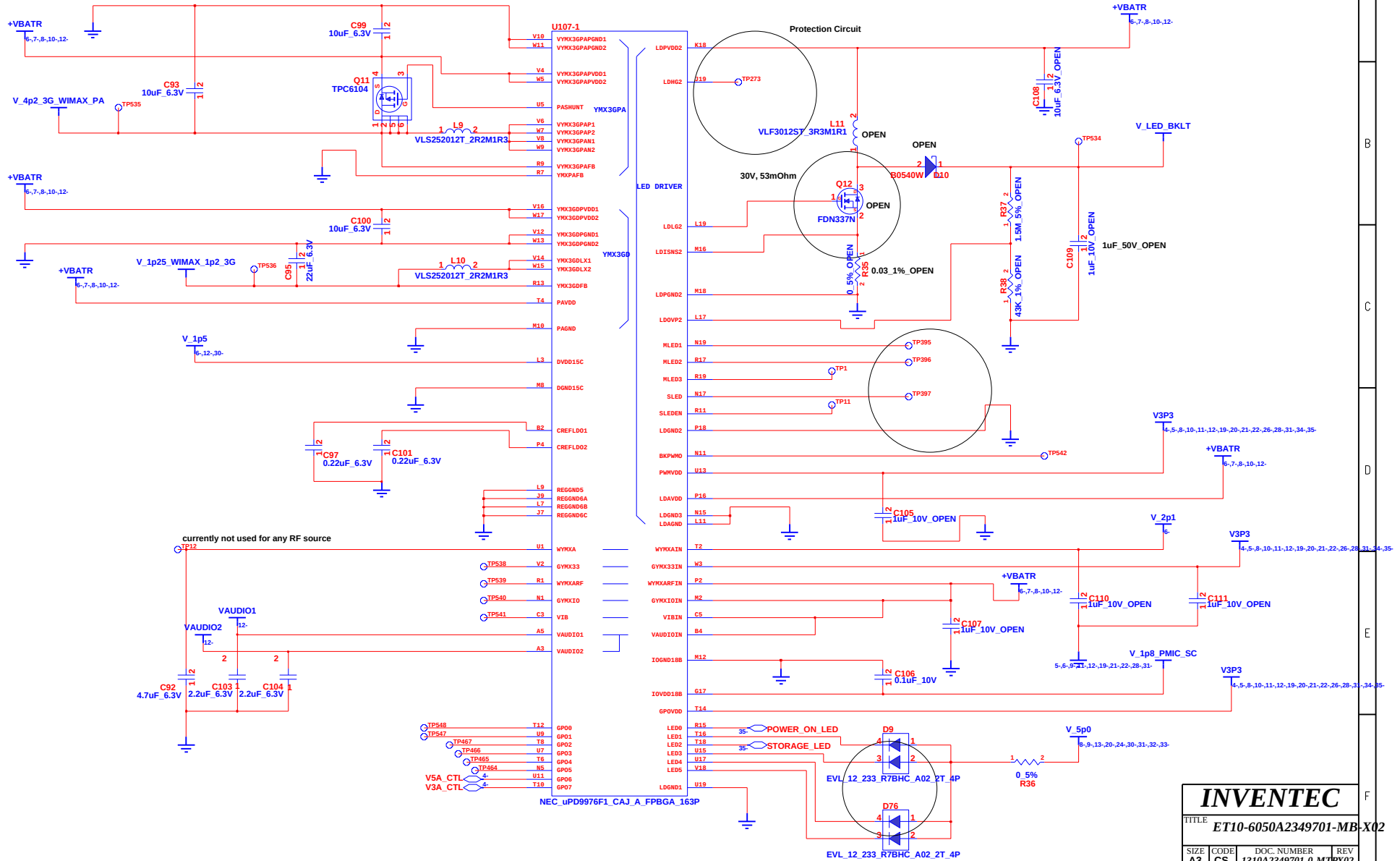
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SIZE A3	CODE CS	DOC. NUMBER 1310A2349701-0-MT	REV RX02
SHEET		9	OF 38

9 OF 38

NEC PMIC2-1



INVENTEC			
TITLE ET10-6050A2349701-MB-X02			
SIZE A3	CODE CS	DOC. NUMBER 1310A2349701-0-MT	REV X02
SHEET 10		OF 38	

CHANGE by	Peng, Edward	1-Apr-2010
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PMIC SPI

The schematic diagram illustrates the PMIC SPI interface. It features a central component U107-2 (NEC_uPD9976F1_CAJ_A_FPBGA_163P) which is connected to a microcontroller (U3) via SPI signals. The microcontroller is also connected to a PMIC (U3) via GPOSW2. The diagram includes various components such as resistors (R1202, R1203, R1204, R706, R705, R707, R832, R1202), capacitors (C589, C1000, C32KOUT2), and inductors (L64). It also shows power supply connections (V3P3, V1P8_PMIC_SC) and test points (TP500, TP499, TP498, TP248, TP252, F18). The diagram is labeled with various signals and components, including SPI2_CLK, SPI2_SS0, SPI2_MOSI, SPI2_MISO, LNW_EXIT_STDBY_N, AUXINT, PWRSTBYIB, RTCIN, GPOSW2, GPOSW3, GPOSW4, GPOSW5, GPOSWVDD, G3G12EN, GYMK13, VIBEXT, GYMK42, TEST0, TEST1, TEST2, TEST3, TEST4, A1, A19, W10, W8, W1, and various test points (TP500, TP499, TP498, TP248, TP252, F18). The diagram is also labeled with various components, including U107-2, U3, R1202, R1203, R1204, R706, R705, R707, R832, R1202, C589, C1000, C32KOUT2, L64, V3P3, V1P8_PMIC_SC, and various test points (TP500, TP499, TP498, TP248, TP252, F18).

U107-2

SPI2_CLK 8-21- H16

SPI2_SS0 8-21- G19

SPI2_MOSI 8-21- H18

SPI2_MISO 8-21- J17

SPICLK 8-21- H16

SPICSB 8-21- G19

SPISSDI 8-21- H18

SPISSDO 8-21- J17

GM_SPI

GPOSW2 8-21- H16

GPOSW3 8-21- G19

GPOSW4 8-21- H18

GPOSW5 8-21- J17

PMIC_GPOSW2

GPOSWVDD 8-21- H16

G3G12EN 8-21- G19

GYMK13 8-21- H18

VIBEXT 8-21- J17

GYMK42 8-21- K18

TEST0 8-21- L19

TEST1 8-21- M10

TEST2 8-21- N11

TEST3 8-21- O12

TEST4 8-21- P13

A1 8-21- Q14

A19 8-21- R15

W10 8-21- S16

W8 8-21- T17

W1 8-21- U18

NEC_uPD9976F1_CAJ_A_FPBGA_163P

COMM_CLK 8-21- H16

COMM_CS 8-21- G19

COMM_SDA 8-21- H18

C32KOUT2 8-21- J17

EXITSTBY2 8-21- K18

AUXINT 8-21- L19

PWRSTBYIB 8-21- M10

RTCIN 8-21- N11

TP500 8-21- O12

TP499 8-21- P13

TP498 8-21- Q14

TP248 8-21- R15

TP252 8-21- S16

F18 8-21- T17

R1202 8-21- U18

R1203 8-21- V19

R1204 8-21- W20

R706 8-21- X21

R705 8-21- Y22

R707 8-21- Z23

R832 8-21- AA24

R1202 8-21- AB25

C589 8-21- AC26

C1000 8-21- AD27

C32KOUT2 8-21- AE28

L64 8-21- AF29

V3P3 8-21- AG30

V1P8_PMIC_SC 8-21- AH31

100K 5% OPEN 8-21- AI32

100K 5% OPEN 8-21- AJ33

100K 5% OPEN 8-21- AK34

10K 5% OPEN 8-21- AL35

600OHM 25% 8-21- AM36

0.5% 8-21- AN37

0.5% 8-21- AO38

0.5% 8-21- AP39

0.5% 8-21- AQ40

0.5% 8-21- AR41

0.5% 8-21- AS42

0.5% 8-21- AT43

0.5% 8-21- AU44

0.5% 8-21- AV45

0.5% 8-21- AW46

0.5% 8-21- AX47

0.5% 8-21- AY48

0.5% 8-21- AZ49

0.5% 8-21- BA50

0.5% 8-21- BB51

0.5% 8-21- BC52

0.5% 8-21- BD53

0.5% 8-21- BE54

0.5% 8-21- BF55

0.5% 8-21- BG56

0.5% 8-21- BH57

0.5% 8-21- BI58

0.5% 8-21- BJ59

0.5% 8-21- BK60

0.5% 8-21- BL61

0.5% 8-21- BM62

0.5% 8-21- BN63

0.5% 8-21- BO64

0.5% 8-21- BP65

0.5% 8-21- BQ66

0.5% 8-21- BR67

0.5% 8-21- BS68

0.5% 8-21- BT69

0.5% 8-21- BU70

0.5% 8-21- BV71

0.5% 8-21- BW72

0.5% 8-21- BX73

0.5% 8-21- BY74

0.5% 8-21- BZ75

0.5% 8-21- CA76

0.5% 8-21- CB77

0.5% 8-21- CC78

0.5% 8-21- CD79

0.5% 8-21- CE80

0.5% 8-21- CF81

0.5% 8-21- CG82

0.5% 8-21- CH83

0.5% 8-21- CI84

0.5% 8-21- CJ85

0.5% 8-21- CK86

0.5% 8-21- CL87

0.5% 8-21- CM88

0.5% 8-21- CN89

0.5% 8-21- CO90

0.5% 8-21- CP91

0.5% 8-21- CQ92

0.5% 8-21- CR93

0.5% 8-21- CS94

0.5% 8-21- CT95

0.5% 8-21- CU96

0.5% 8-21- CV97

0.5% 8-21- CW98

0.5% 8-21- CX99

0.5% 8-21- CY00

0.5% 8-21- CZ01

0.5% 8-21- DA02

0.5% 8-21- DB03

0.5% 8-21- DC04

0.5% 8-21- DD05

0.5% 8-21- DE06

0.5% 8-21- DF07

0.5% 8-21- DG08

0.5% 8-21- DH09

0.5% 8-21- DI10

0.5% 8-21- DJ11

0.5% 8-21- DK12

0.5% 8-21- DL13

0.5% 8-21- DM14

0.5% 8-21- DN15

0.5% 8-21- DO16

0.5% 8-21- DP17

0.5% 8-21- DQ18

0.5% 8-21- DR19

0.5% 8-21- DS20

0.5% 8-21- DT21

0.5% 8-21- DU22

0.5% 8-21- DV23

0.5% 8-21- DW24

0.5% 8-21- DX25

0.5% 8-21- DY26

0.5% 8-21- DZ27

0.5% 8-21- EA28

0.5% 8-21- EB29

0.5% 8-21- EC30

0.5% 8-21- ED31

0.5% 8-21- EE32

0.5% 8-21- EF33

0.5% 8-21- EG34

0.5% 8-21- EH35

0.5% 8-21- EI36

0.5% 8-21- EJ37

0.5% 8-21- EK38

0.5% 8-21- EL39

0.5% 8-21- EM40

0.5% 8-21- EN41

0.5% 8-21- EO42

0.5% 8-21- EP43

0.5% 8-21- EQ44

0.5% 8-21- ER45

0.5% 8-21- ES46

0.5% 8-21- ET47

0.5% 8-21- EU48

0.5% 8-21- EV49

0.5% 8-21- EW50

0.5% 8-21- EX51

0.5% 8-21- EY52

0.5% 8-21- EZ53

0.5% 8-21- FA54

0.5% 8-21- FB55

0.5% 8-21- FC56

0.5% 8-21- FD57

0.5% 8-21- FE58

0.5% 8-21- FF59

0.5% 8-21- FG60

0.5% 8-21- FH61

0.5% 8-21- FI62

0.5% 8-21- FJ63

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0.5% 8-21- FM66

0.5% 8-21- FN67

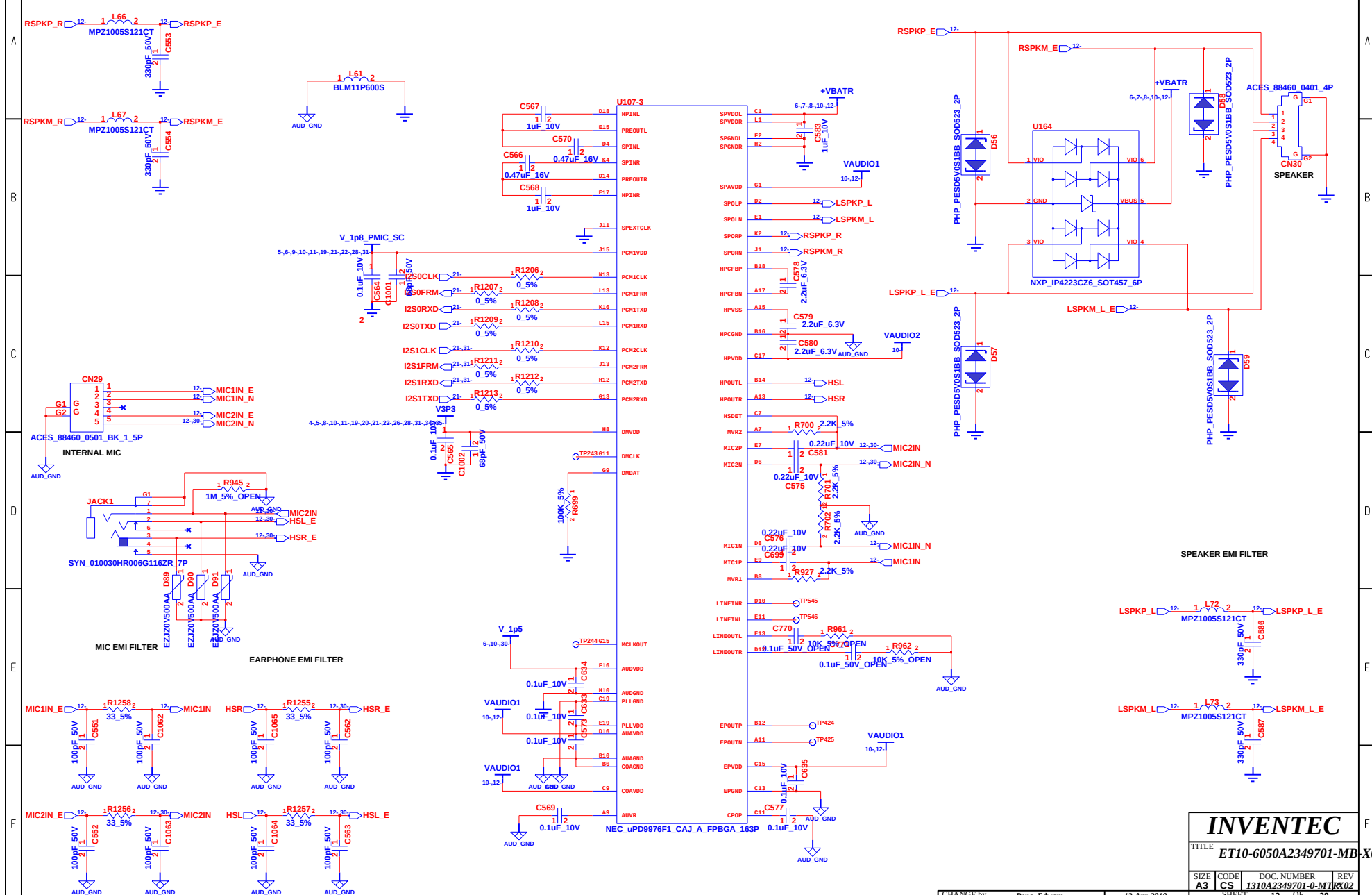
0.5% 8-21- FO68

0.5% 8-21-

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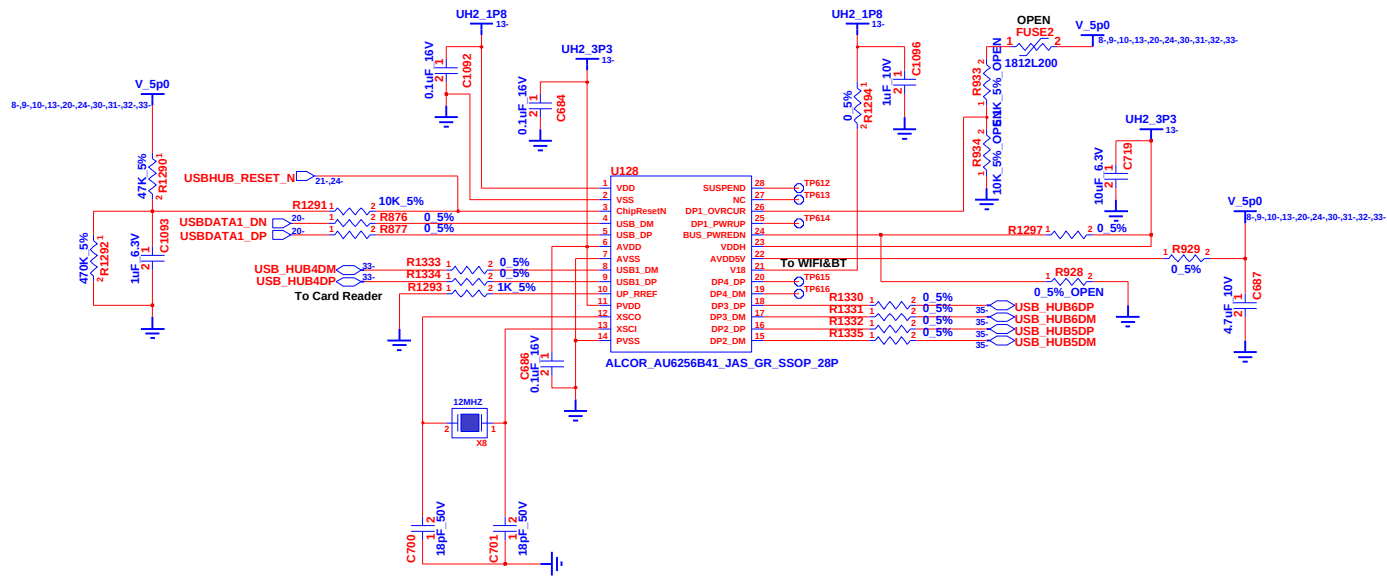
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A3	CS	1310A2349701-0-MT	RX02
SHEET		11	OF 38

PMIC AUDIO



INVENTEC			
TITLE ET10-6050A2349701-MB-X02			
SIZE A3	CODE CS	DOC. NUMBER 1310A2349701-0-MT	REV R02
SHEET 12		OF 38	

USB_HUB2



INVENTEC			
TITLE ET10-6050A2349701-MB-X02			
SIZE A3	CODE CS	DOC. NUMBER 1310A2349701-0-MT	REV R002
SHEET 13		OF 38	

CHANGE by Penq, Edware 10-Apr-2010

SIZE A3	CODE CS	DOC. NUMBER 1310A2349701-0-MT	REV RX02
SHEET		14	OF 38

CHANGE by	<i>Pena, Edward</i>	<i>8-Apr-2010</i>
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LINCROFT LVDS/DMI

CMREF voltage divider shown in Debug configuration
Production Designs could be using a 1K/1K divider

z0=55 ohm, 0.5" max for GTLREF

z0=55 ohm, 0.5" max for GTLREF

7mil-10mil TRACE, 1:1 SPACING to OTHER SIGNALS
Needs to be next to SG_SENSE line.

INVENTEC
TITLE ET10-6050A2349701-MB-X
SIZE A3 CODE CS DOC. NUMBER 1310A2349701-0-MTJ REV 02
SHEET 15 OF 38

CHANGE by Peng, Edward 2-Apr-2010

LINCROFT LVDS/DMI

CMREF voltage divider shown in Debug configuration
Production Designs could be using a 1K/1K divider

z0=55 ohm, 0.5" max for GTLREF

z0=55 ohm, 0.5" max for GTLREF

7mil-10mil TRACE, 1:1 SPACING to OTHER SIGNALS
Needs to be next to SG_SENSE line.

INVENTEC

TITLE ET10-6050A2349701-MB-X

SIZE A3 CODE CS DOC. NUMBER 1310A2349701-0-MTJ REV 02

SHEET 15 OF 38

CHANGE by Peng, Edward 2-Apr-2010

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INVENTEC
TITLE ET10-6050A2349701-MB-X
SIZE A3 CODE CS DOC. NUMBER 1310A2349701-0-MTJ REV 02
SHEET 15 OF 38

CHANGE by Peng, Edward 2-Apr-2010

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Needs to be next to SG_SENSE line.

INVENTEC
TITLE ET10-6050A2349701-MB-X
SIZE A3 CODE CS DOC. NUMBER 1310A2349701-0-MTJ REV 02
SHEET 15 OF 38

CHANGE by Peng, Edward 2-Apr-2010

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7mil-10mil TRACE, 1:1 SPACING to OTHER SIGNALS
Needs to be next to SG_SENSE line.

INVENTEC
TITLE ET10-6050A2349701-MB-X
SIZE A3 CODE CS DOC. NUMBER 1310A2349701-0-MTJ REV 02
SHEET 15 OF 38

CHANGE by Peng, Edward 2-Apr-2010

LINCROFT LVDS/DMI

CMREF voltage divider shown in Debug configuration
Production Designs could be using a 1K/1K divider

z0=55 ohm, 0.5" max for GTLREF

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7mil-10mil TRACE, 1:1 SPACING to OTHER SIGNALS
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INVENTEC
TITLE ET10-6050A2349701-MB-X
SIZE A3 CODE CS DOC. NUMBER 1310A2349701-0-MTJ REV 02
SHEET 15 OF 38

CHANGE by Peng, Edward 2-Apr-2010

LINCROFT LVDS/DMI

CMREF voltage divider shown in Debug configuration
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z0=55 ohm, 0.5" max for GTLREF

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7mil-10mil TRACE, 1:1 SPACING to OTHER SIGNALS
Needs to be next to SG_SENSE line.

INVENTEC
TITLE ET10-6050A2349701-MB-X
SIZE A3 CODE CS DOC. NUMBER 1310A2349701-0-MTJ REV 02
SHEET 15 OF 38

CHANGE by Peng, Edward 2-Apr-2010

LINCROFT LVDS/DMI

CMREF voltage divider shown in Debug configuration
Production Designs could be using a 1K/1K divider

z0=55 ohm, 0.5" max for GTLREF

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Needs to be next to SG_SENSE line.

INVENTEC
TITLE ET10-6050A2349701-MB-X
SIZE A3 CODE CS DOC. NUMBER 1310A2349701-0-MTJ REV 02
SHEET 15 OF 38

CHANGE by Peng, Edward 2-Apr-2010

LINCROFT LVDS/DMI

CMREF voltage divider shown in Debug configuration
Production Designs could be using a 1K/1K divider

z0=55 ohm, 0.5" max for GTLREF

z0=55 ohm, 0.5" max for GTLREF

7mil-10mil TRACE, 1:1 SPACING to OTHER SIGNALS
Needs to be next to SG_SENSE line.

INVENTEC
TITLE ET10-6050A2349701-MB-X
SIZE A3 CODE CS DOC. NUMBER 1310A2349701-0-MTJ REV 02
SHEET 15 OF 38

CHANGE by Peng, Edward 2-Apr-2010

LINCROFT PWR

U1-2: ITL_LINCROFT_REV_1.3_MPI_CDK_FCMB3 518P

Table 1: Component Values

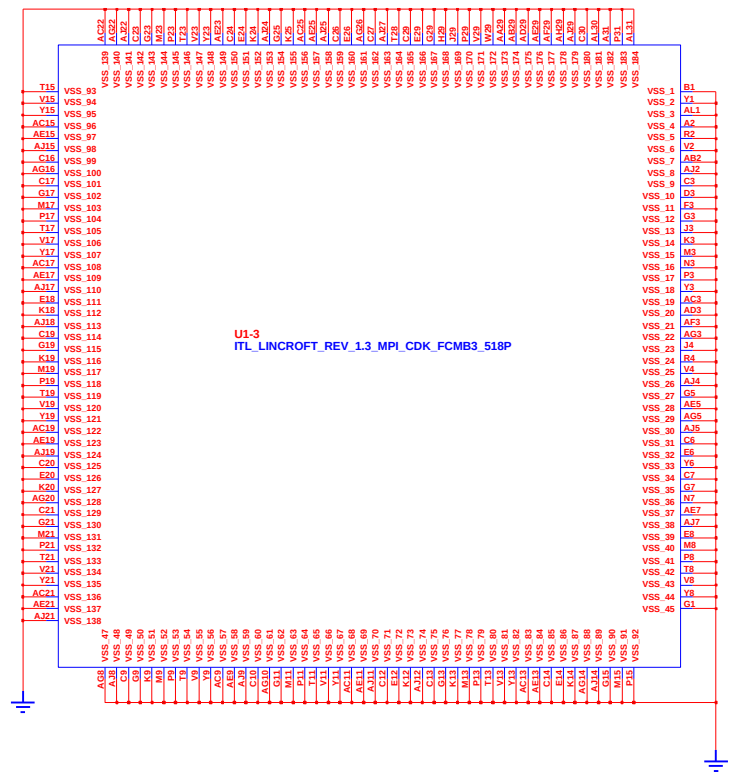
Capacitor	Value	Capacitor	Value
C1	10uF 10V	C11	10uF 10V
C2	1uF 10V	C12	1uF 10V
C3	0.22uF 6.3V	C13	1uF 10V
C4	0.22uF 6.3V	C14	10uF 10V
C5	1uF 10V	C15	10uF 10V
C6	0.22uF 6.3V	C16	10uF 10V
C7	0.1uF 10V	C17	1uF 10V
C8	0.22uF 6.3V	C18	1uF 10V
C9	1uF 10V	C19	1uF 10V
C10	0.22uF 6.3V	C20	1uF 10V
C11	10uF 10V	C21	4.7uF 10V
C12	1uF 10V	C22	4.7uF 10V
C13	1uF 10V	C23	1uF 10V
C14	10uF 10V	C24	1uF 10V
C15	10uF 10V	C25	1uF 10V
C16	10uF 10V	C26	1uF 10V
C17	1uF 10V	C27	1uF 10V
C18	1uF 10V		
C19	1uF 10V		
C20	1uF 10V		
C21	4.7uF 10V		
C22	4.7uF 10V		
C23	1uF 10V		
C24	1uF 10V		
C25	1uF 10V		
C26	1uF 10V		
C27	1uF 10V		

Table 2: Component Values

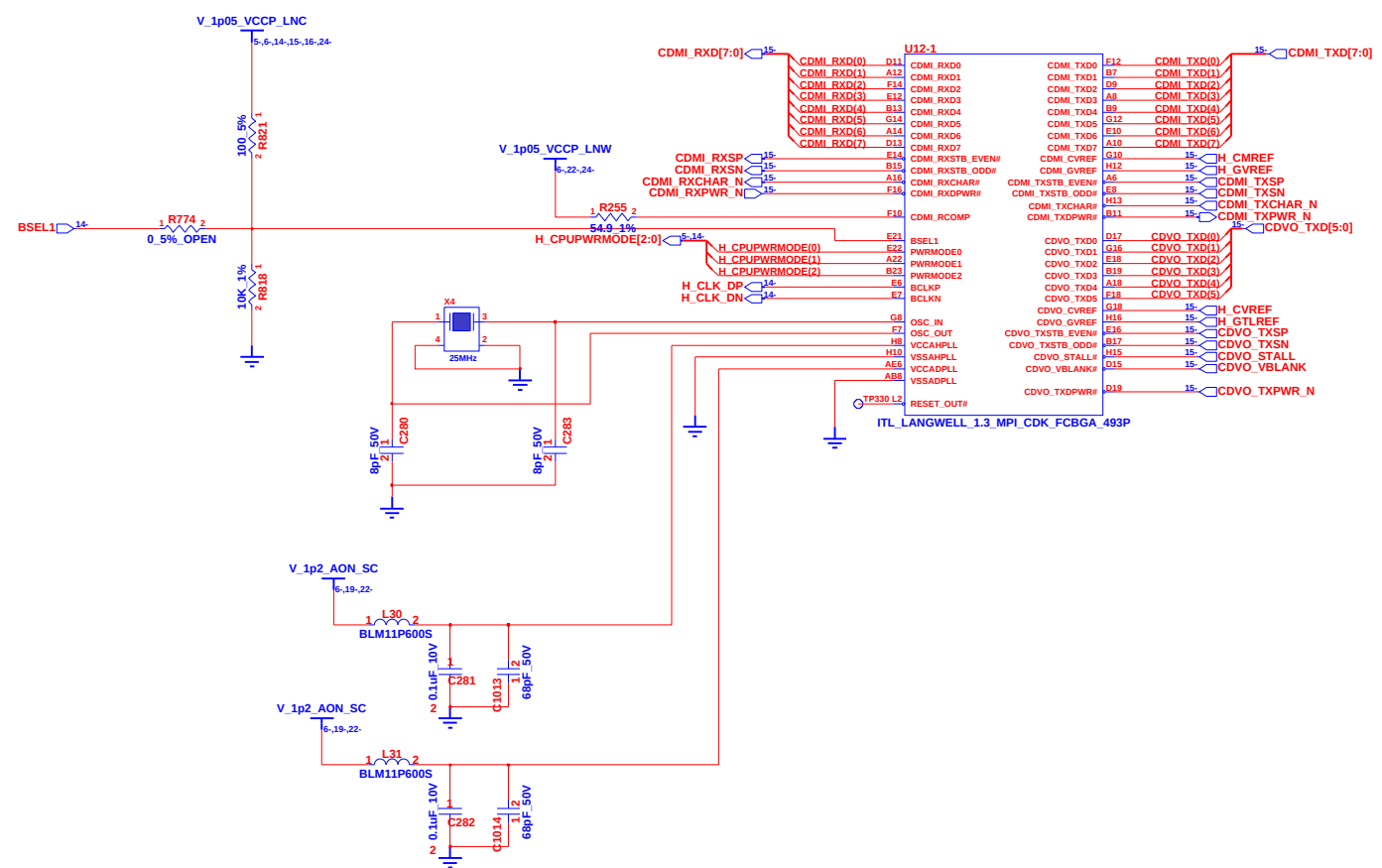
Capacitor	Value	Capacitor	Value
C28	0.47uF 10V	C30	0.1uF 10V
C29	0.47uF 10V	C31	0.1uF 10V
C30	0.1uF 10V	C32	0.1uF 10V
C31	0.1uF 10V	C33	0.1uF 10V
C32	0.1uF 10V	C34	0.1uF 10V
C33	0.1uF 10V	C35	0.1uF 10V
C34	0.1uF 10V	C36	0.1uF 10V
C35	0.1uF 10V	C37	0.1uF 10V
C36	0.1uF 10V	C38	0.1uF 10V
C37	0.1uF 10V	C39	0.1uF 10V
C38	0.1uF 10V	C40	0.1uF 10V
C39	0.1uF 10V	C41	0.1uF 10V
C40	0.1uF 10V	C42	0.1uF 10V
C41	0.1uF 10V	C43	0.1uF 10V
C42	0.1uF 10V	C44	0.1uF 10V
C43	0.1uF 10V	C45	0.1uF 10V
C44	0.1uF 10V	C46	0.1uF 10V
C45	0.1uF 10V	C47	0.1uF 10V
C46	0.1uF 10V	C48	0.1uF 10V
C47	0.1uF 10V	C49	0.1uF 10V
C48	0.1uF 10V	C50	0.1uF 10V
C49	0.1uF 10V	C51	0.1uF 10V
C50	0.1uF 10V	C52	0.1uF 10V
C51	0.1uF 10V	C53	0.1uF 10V
C52	0.1uF 10V	C54	0.1uF 10V
C53	0.1uF 10V	C55	0.1uF 10V
C54	0.1uF 10V	C56	0.1uF 10V
C55	0.1uF 10V	C57	0.1uF 10V
C56	0.1uF 10V	C58	0.1uF 10V
C57	0.1uF 10V	C59	0.1uF 10V
C58	0.1uF 10V	C60	0.1uF 10V
C59	0.1uF 10V	C61	0.1uF 10V
C60	0.1uF 10V	C62	0.1uF 10V
C61	0.1uF 10V	C63	0.1uF 10V
C62	0.1uF 10V	C64	0.1uF 10V
C63	0.1uF 10V	C65	0.1uF 10V
C64	0.1uF 10V	C66	0.1uF 10V
C65	0.1uF 10V	C67	0.1uF 10V
C66	0.1uF 10V	C68	0.1uF 10V
C67	0.1uF 10V	C69	0.1uF 10V
C68	0.1uF 10V	C70	0.1uF 10V
C69	0.1uF 10V	C71	0.1uF 10V
C70	0.1uF 10V	C72	0.1uF 10V
C71	0.1uF 10V	C73	0.1uF 10V
C72	0.1uF 10V	C74	0.1uF 10V
C73	0.1uF 10V	C75	0.1uF 10V
C74</			

TITLE			
ET10-6050A2349701-MB-X02			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2349701-0-MB	TX02
SHEET		16	OF 38

LINCROFT GND



LANGWELL1



INVENTEC

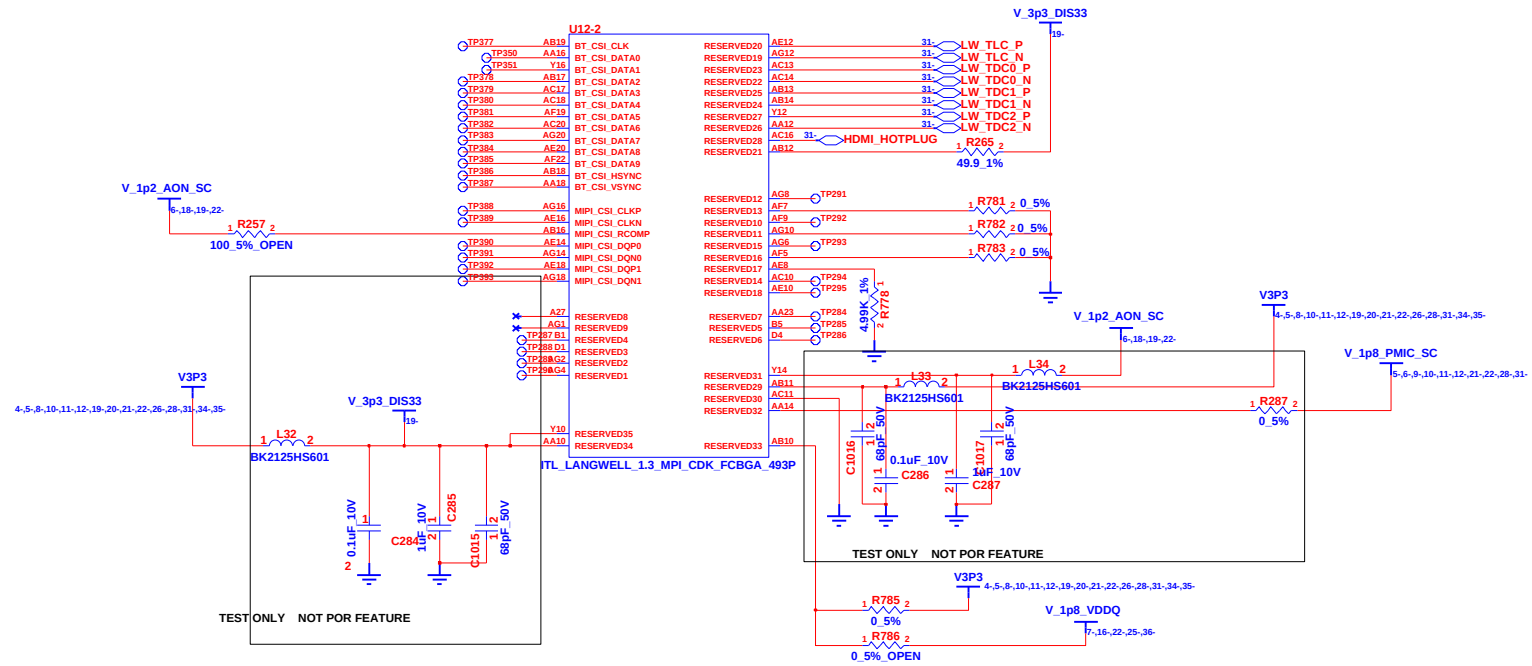
TITLE ET10-6050A2349701-MB-X02

SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2349701-0-MT	R002

CHANGE by Peng, Edward 6-Apr-2010

SHEET 18 OF 38

LANGWELL2



INVENTEC			
TITLE ET10-6050A2349701-MB-X02			
SIZE A3	CODE CS	DOC. NUMBER 1310A2349701-0-MT	REV R02
SHEET 19		OF 38	

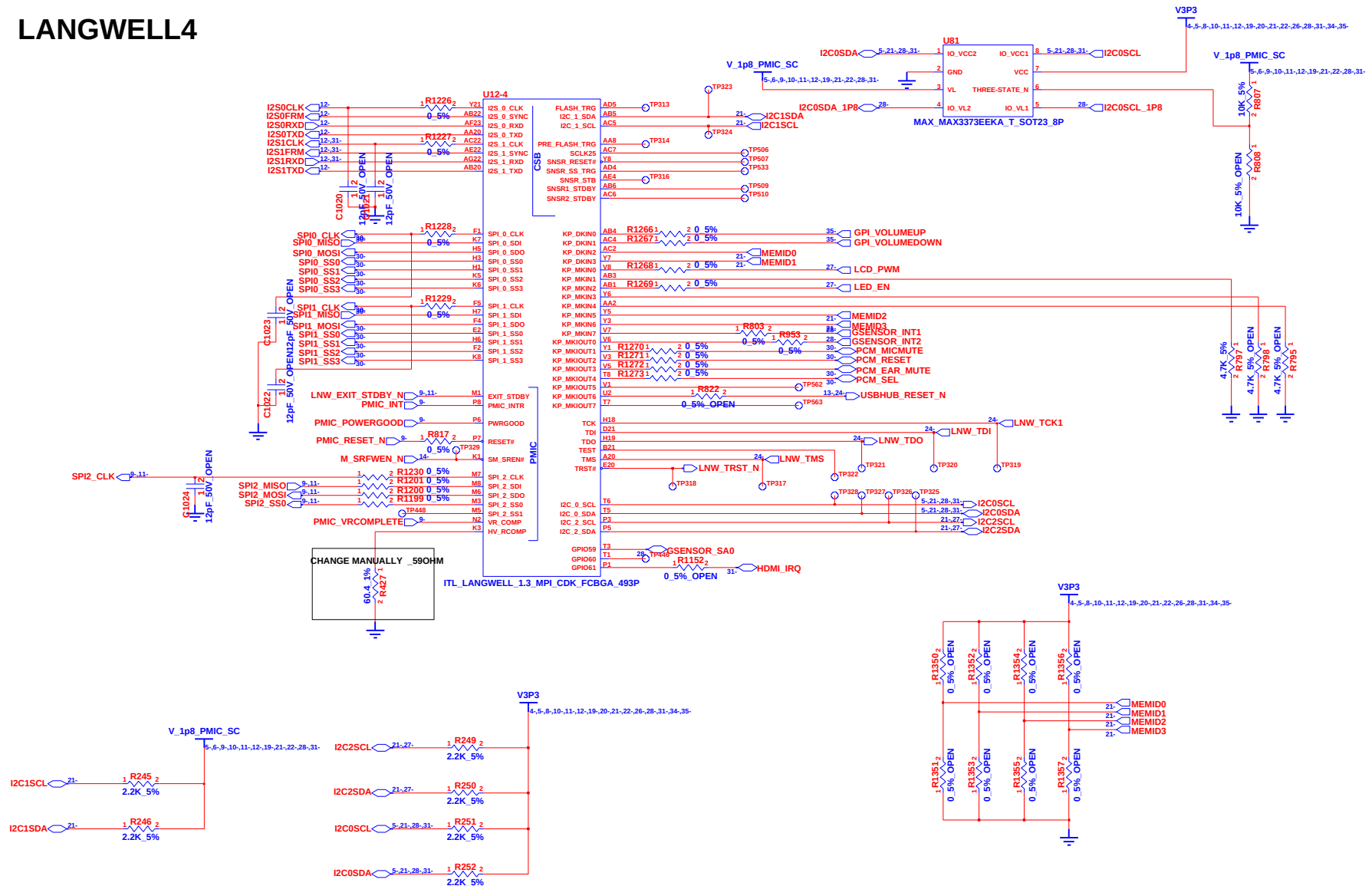
CHANGE by Peng, Edward 2-Apr-2010

[illegible]

TITLE			
ET10-6050A2349701-MB-X02			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2349701-0-MB	EX02
SHEET		20	OF 38

CS	1310A2349701-0-M11RA02
SHEET	20 OF 38

LANGWELL4



INVENTEC

TITLE ET10-6050A2349701-MB-X02

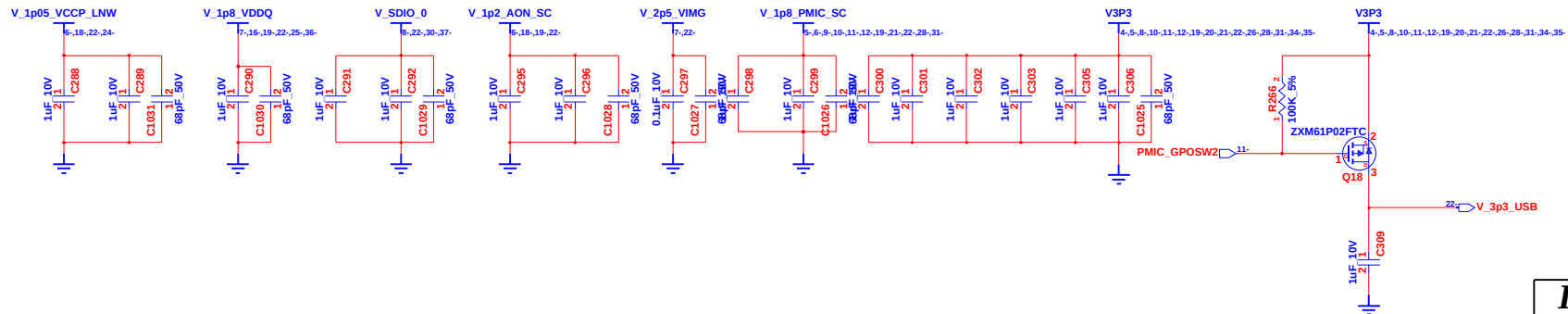
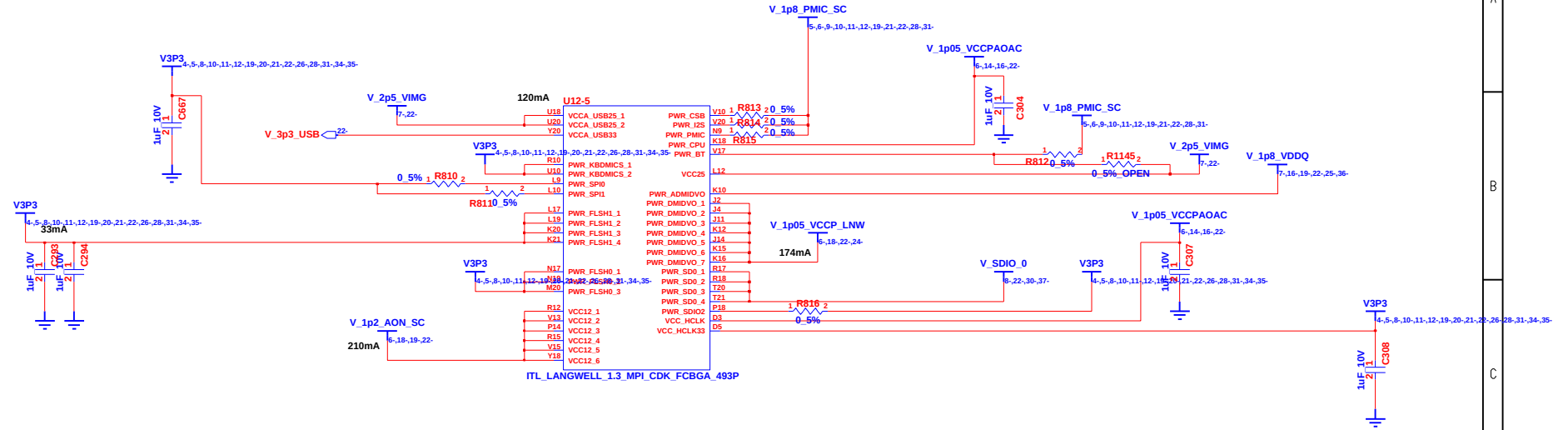
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A3	CS	1310A2349701-0-MT	R002

CHANGE by Peng, Edward

2-Apr-2010

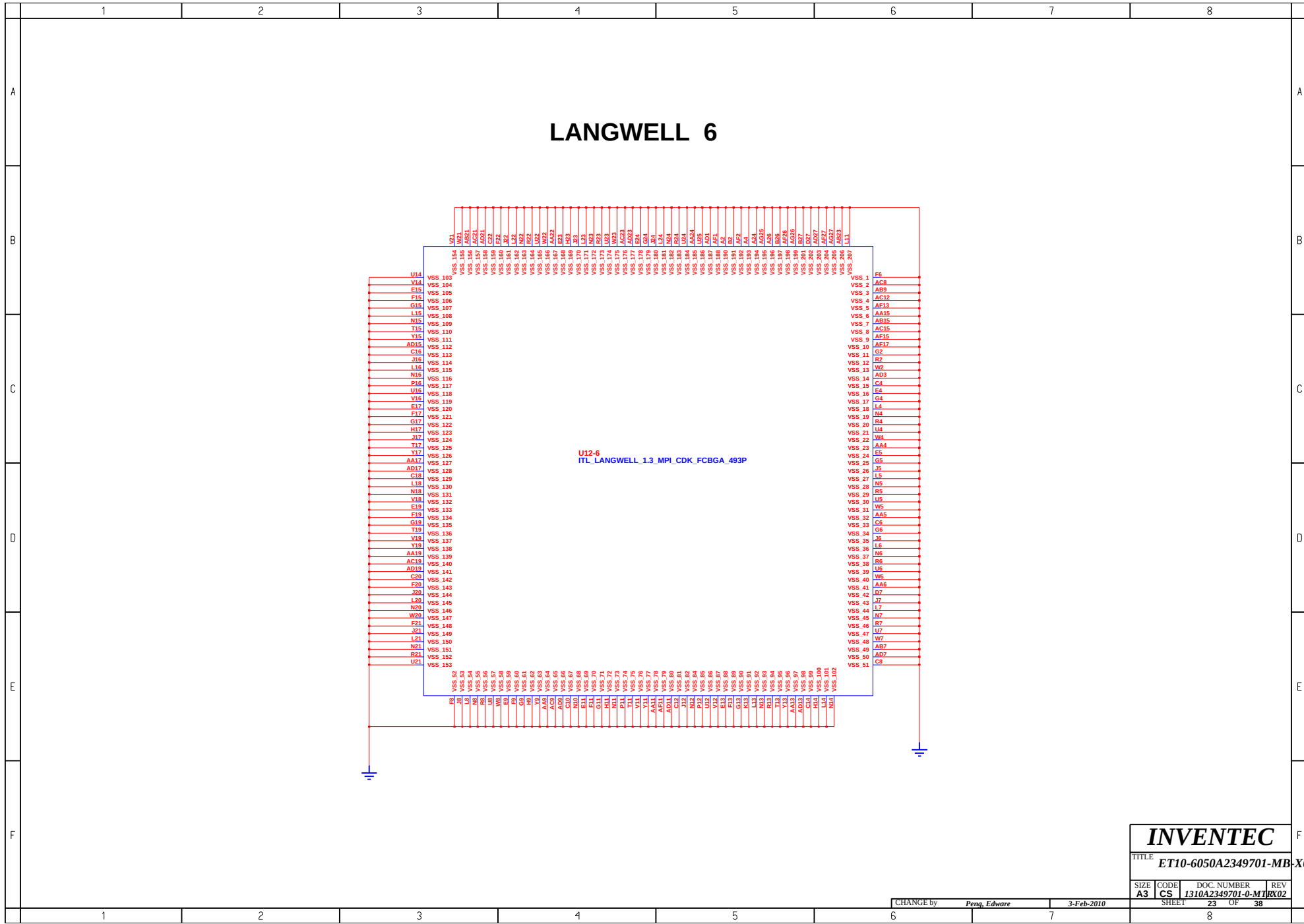
SHEET 21 OF 38

LANGWELL 5



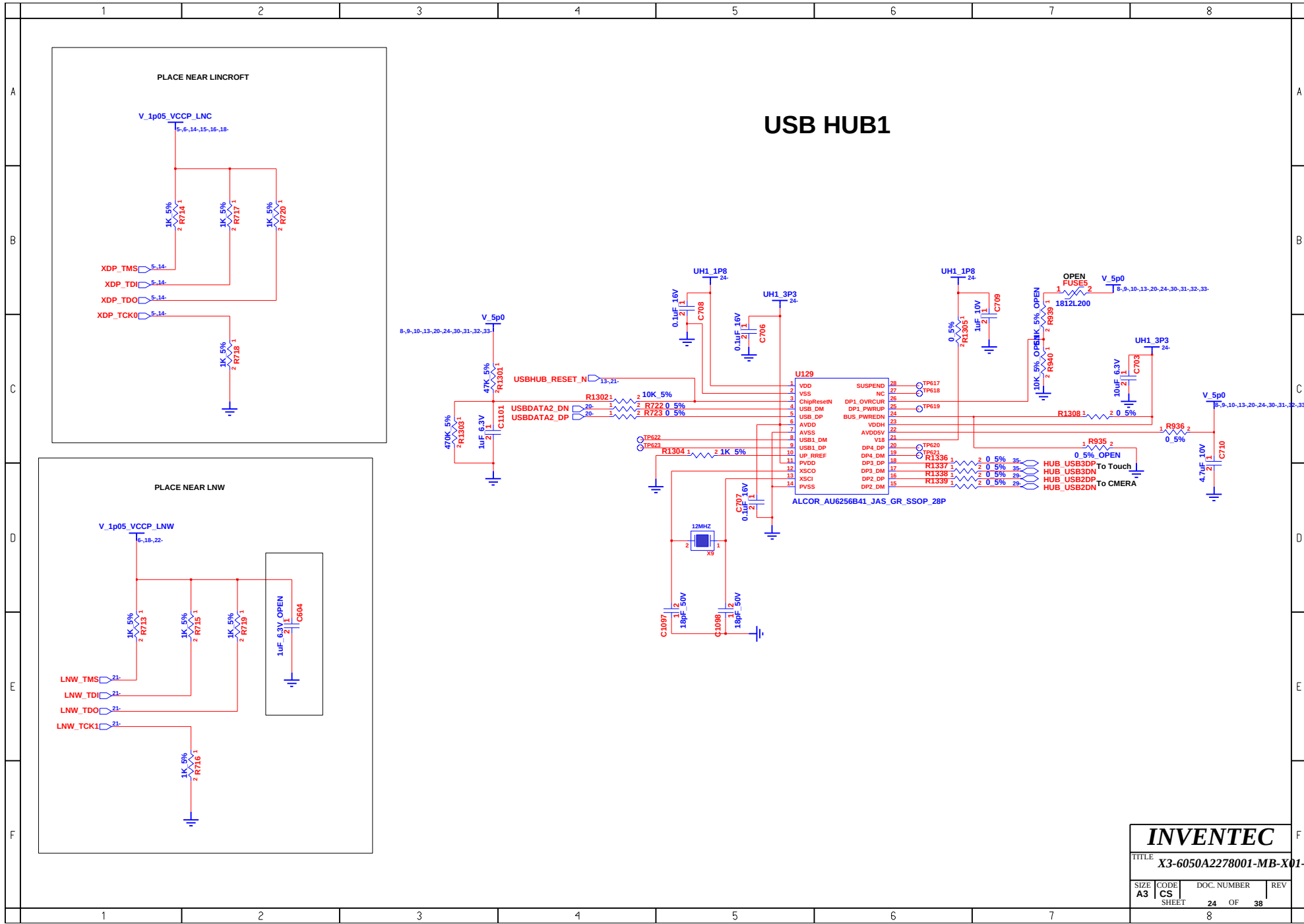
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SIZE A3	CODE CS	DOC. NUMBER 1310A2349701-0-MT	REV RX02
SHEET 22		OF 38	

CHANGE by Peng, Edward 3-Feb-2010



INVENTEC			
TITLE ET10-6050A2349701-MB-X02			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2349701-0-MT	R002
SHEET		23	OF 38

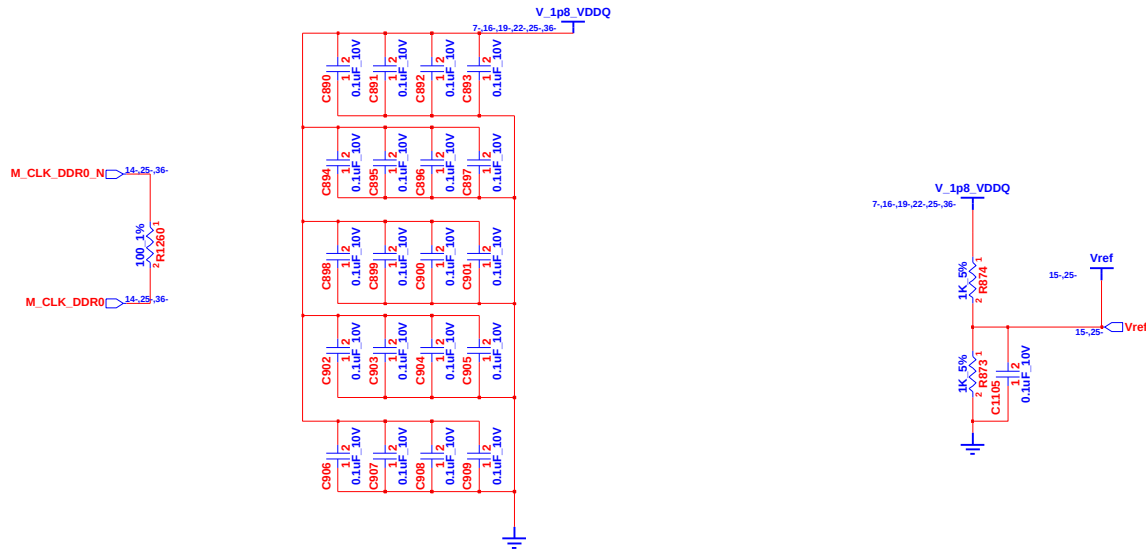
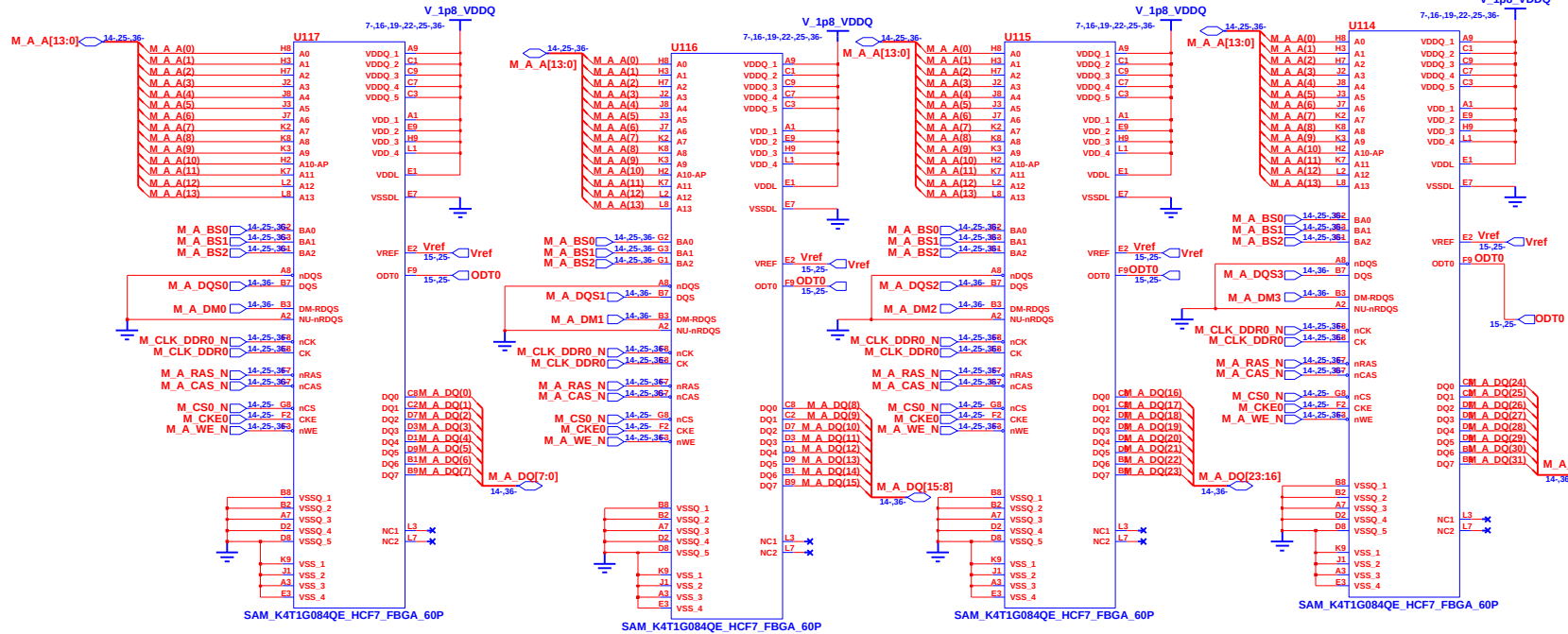
CHANGE by Peng, Edward 3-Feb-2010



USB HUB1

INVENTEC			
TITLE X3-6050A2278001-MB-X01-20090225			
SIZE A3	CODE CS	DOC. NUMBER	REV
SHEET		24 OF	38

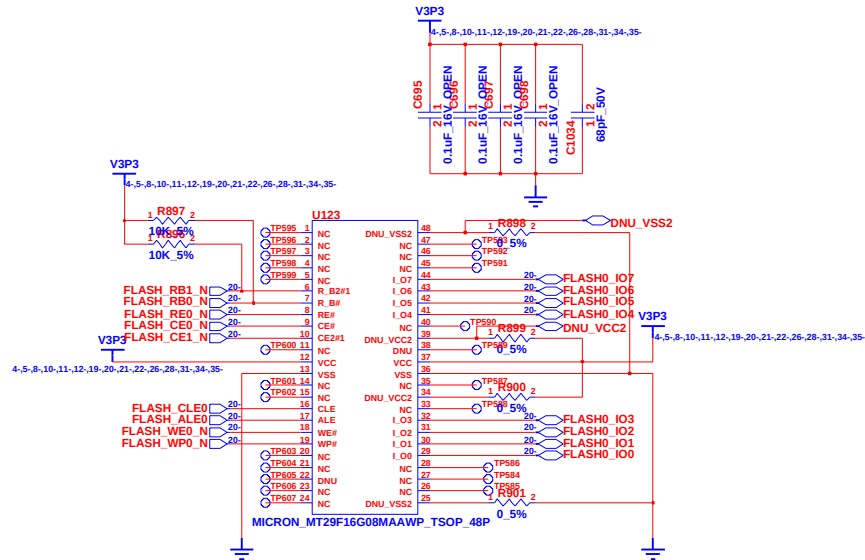
DDRII



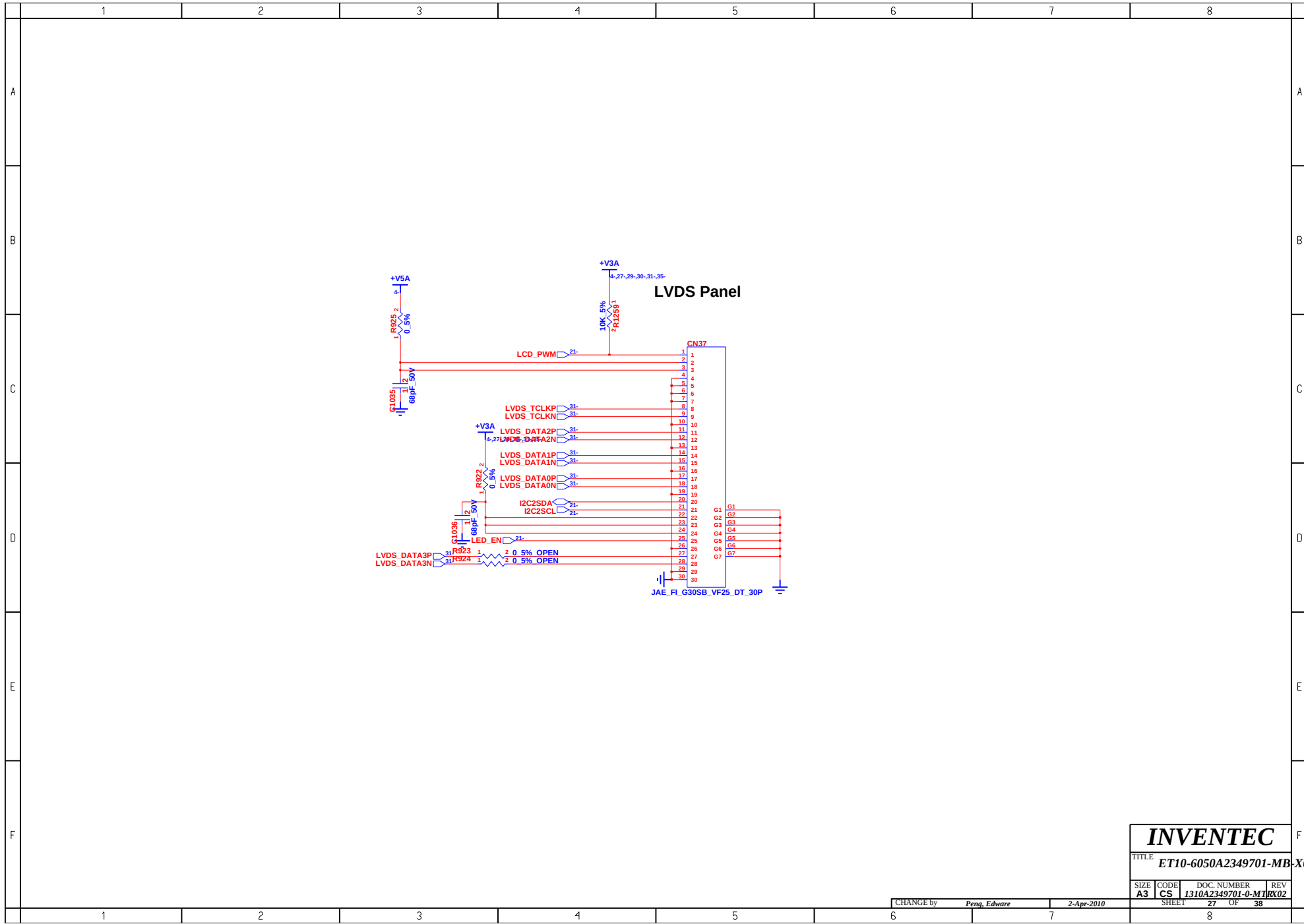
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TITLE ET10-6050A2349701-MB-X02			
SIZE A3	CODE CS	DOC. NUMBER 1310A2349701-0-MT	REV R02
SHEET 25		OF 38	

CHANGE by Peng, Edward 8-Apr-2010

NAND FLASH

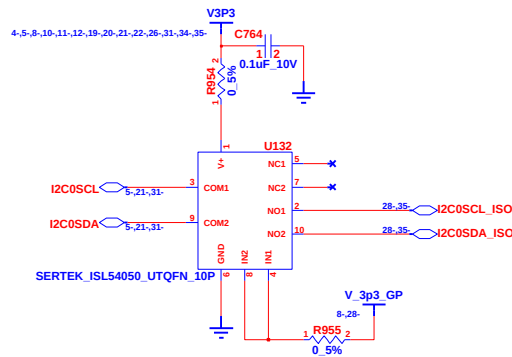
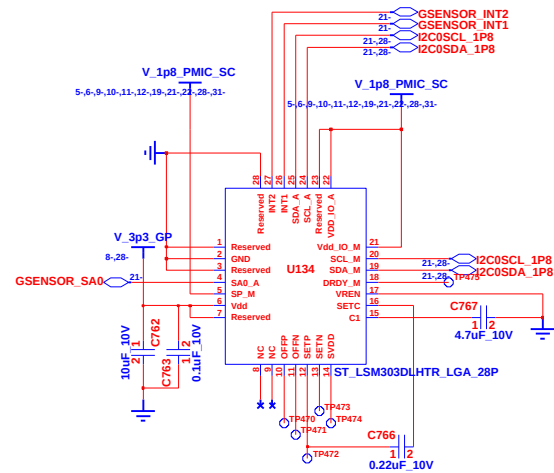


INVENTEC			
TITLE ET10-6050A2349701-MB-X02			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2349701-0-MT	R002
CHANGE by		Penq, Edware	4-Apr-2010
SHEET		26	OF 38

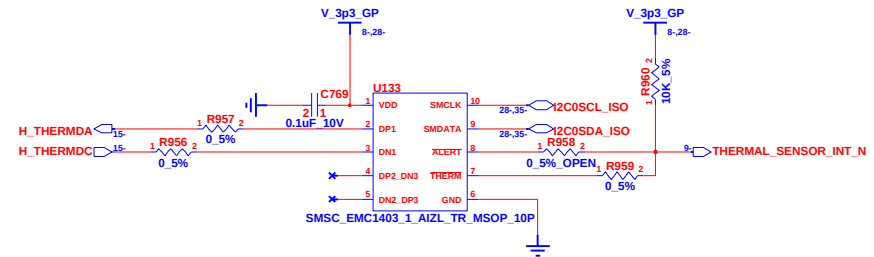


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SIZE A3	CODE CS	DOC. NUMBER 1310A2349701-0-M1	REV R002
CHANGE by Peng, Edware		2-Apr-2010	
SHEET 27		OF 38	

G-SENSOR/E-COMPASS



THERMAL SENSOR



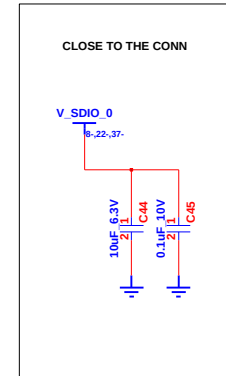
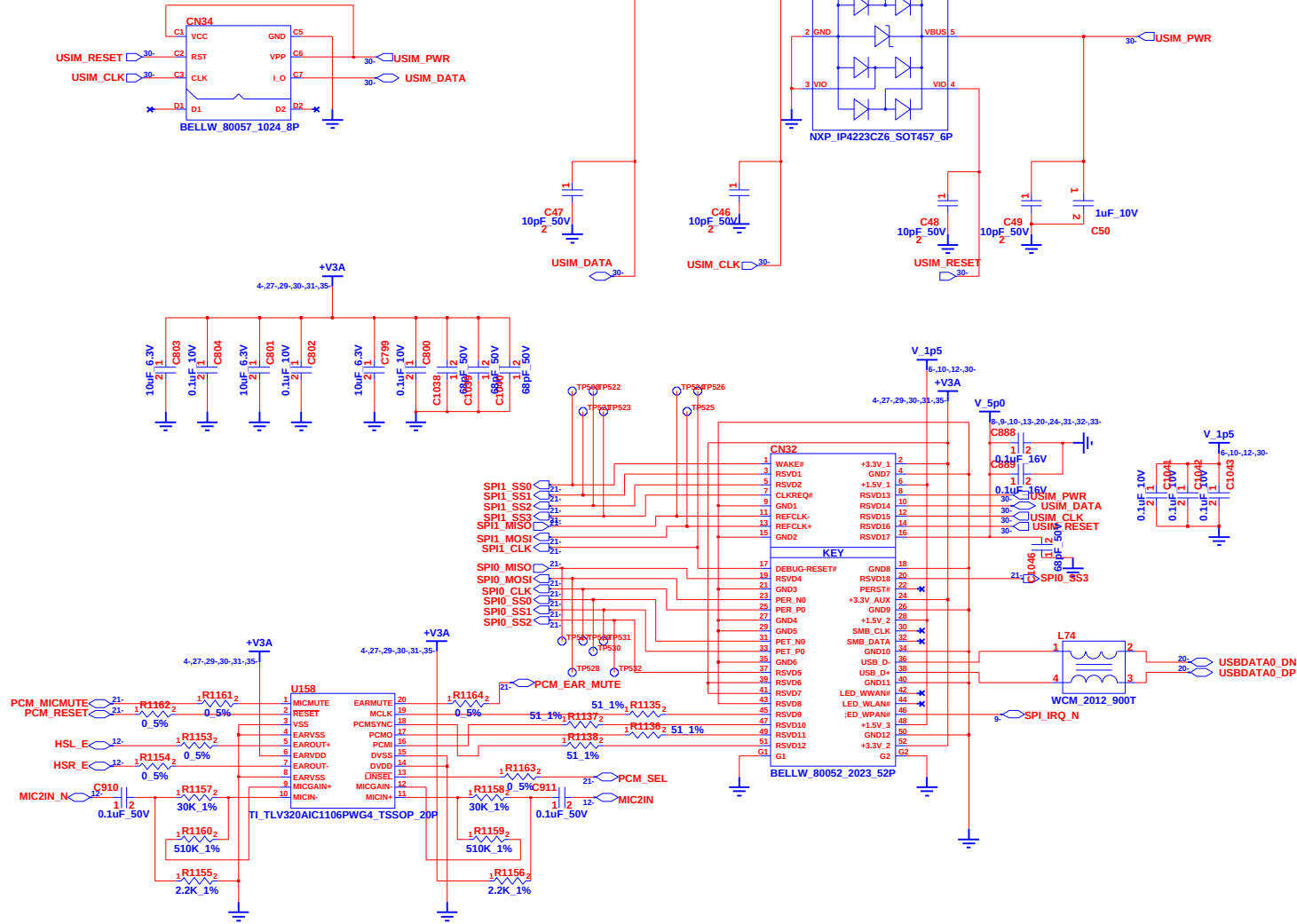
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SIZE A3	CODE CS	DOC. NUMBER 1310A2349701-0-MT	REV R02
SHEET 28		OF 38	

CHANGE by Peng, Edward 8-Apr-2010

TITLE			
ET10-6050A2349701-MB-X02			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2349701-0-MB	X02
SHEET		29	OF 38

CHANGE by	<i>Peng, Edware</i>	3-Feb-2010
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3G with GPS



INVENTEC			
TITLE ET10-6050A2349701-MB-X02			
SIZE A3	CODE CS	DOC. NUMBER 1310A2349701-0-MT	REV R02
SHEET 30		OF 38	

CHANGE by Peng, Edward 22-Mar-2010

SIZE A3	CODE CS	DOC. NUMBER	REV
SHEET		31	OF 38

[illegible]

SIZE A3	CODE CS	DOC. NUMBER	REV
SHEET		32	OF 38

CHANGE by	X3	10-Apr-2010
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8

[illegible]

SIZE A3	CODE CS	DOC. NUMBER	REV
SHEET		33	OF 38

eMMC STORAGE

U126-1
 SD0_CMD 20 W5
 SD0_CLK 20 W6
 SD0_DATA7 20 J6
 SD0_DATA6 20 J5
 SD0_DATA5 20 J4
 SD0_DATA4 20 J3
 SD0_DATA3 20 J2
 SD0_DATA2 20 J1
 SD0_DATA1 20 J0
 SD0_DATA0 20 J0
 VCCQ1 K6
 VCCQ2 W4
 VCCQ3 AA3
 VCCQ4 AA5
 VCCQ5 AA5
 VCC1 M6
 VCC2 J10
 VCC3 J10
 VCC4 U9
 VDD1 K2
 VSSQ1 M7
 VSSQ2 P5
 VSSQ3 R10
 VSSQ4 U8
 VSSQ5 U8
 TSB_THGBM1G6D4EBAI4_FBGA_169P

U126-2
 TSB_THGBM1G6D4EBAI4_FBGA_169P

Pinout Table for U126-2:

NC1	AA1	NC140	AA1
NC2	L12	NC141	L12
NC3	AA11	NC142	AA11
NC4	AA8	NC143	AA8
NC5	AA6	NC144	AA6
NC6	AA4	NC145	AA4
NC7	AA3	NC146	AA3
NC8	AA2	NC147	AA2
NC9	AA14	NC148	AA14
NC10	AA1	NC149	AA1
NC11	AA14	NC150	AA14
NC12	AA13	NC151	AA13
NC13	AA12	NC152	AA12
NC14	AA11	NC153	AA11
NC15	AA10	NC154	AA10
NC16	AA9	NC155	AA9
NC17	AA8	NC156	AA8
NC18	AA7	NC157	AA7
NC19	AA6	NC158	AA6
NC20	AA5	NC159	AA5
NC21	AA4	NC160	AA4
NC22	AA3	NC161	AA3
NC23	AA2	NC162	AA2
NC24	AA14	NC163	AA14
NC25	AA1	NC164	AA1
NC26	AA14	NC165	AA14
NC27	AA13	NC166	AA13
NC28	AA12	NC167	AA12
NC29	AA11	NC168	AA11
NC30	AA10	NC169	AA10
NC31	AA9	NC170	AA9
NC32	AA8	NC171	AA8
NC33	AA7	NC172	AA7
NC34	AA6	NC173	AA6
NC35	AA5	NC174	AA5
NC36	AA4	NC175	AA4
NC37	AA3	NC176	AA3
NC38	AA2	NC177	AA2
NC39	AA14	NC178	AA14
NC40	AA1	NC179	AA1
NC41	AA14	NC180	AA14
NC42	AA13	NC181	AA13
NC43	AA12	NC182	AA12
NC44	AA11	NC183	AA11
NC45	AA10	NC184	AA10
NC46	AA9	NC185	AA9
NC47	AA8	NC186	AA8
NC48	AA7	NC187	AA7
NC49	AA6	NC188	AA6
NC50	AA5	NC189	AA5
NC51	AA4	NC190	AA4
NC52	AA3	NC191	AA3
NC53	AA2	NC192	AA2
NC54	AA14	NC193	AA14
NC55	AA1	NC194	AA1
NC56	AA14	NC195	AA14
NC57	AA13	NC196	AA13
NC58	AA12	NC197	AA12
NC59	AA11	NC198	AA11
NC60	AA10	NC199	AA10
NC61	AA9	NC200	AA9
NC62	AA8	NC201	AA8
NC63	AA7	NC202	AA7
NC64	AA6	NC203	AA6
NC65	AA5	NC204	AA5
NC66	AA4	NC205	AA4
NC67	AA3	NC206	AA3
NC68	AA2	NC207	AA2
NC69	AA14	NC208	AA14
NC70	AA1	NC209	AA1
NC71	AA14	NC210	AA14
NC72	AA13	NC211	AA13
NC73	AA12	NC212	AA12
NC74	AA11	NC213	AA11
NC75	AA10	NC214	AA10
NC76	AA9	NC215	AA9
NC77	AA8	NC216	AA8
NC78	AA7	NC217	AA7
NC79	AA6	NC218	AA6
NC80	AA5	NC219	AA5
NC81	AA4	NC220	AA4
NC82	AA3	NC221	AA3
NC83	AA2	NC222	AA2
NC84	AA14	NC223	AA14
NC85	AA1	NC224	AA1
NC86	AA14	NC225	AA14
NC87	AA13	NC226	AA13
NC88	AA12	NC227	AA12
NC89	AA11	NC228	AA11
NC90	AA10	NC229	AA10
NC91	AA9	NC230	AA9
NC92	AA8	NC231	AA8
NC93	AA7	NC232	AA7
NC94	AA6	NC233	AA6
NC95	AA5	NC234	AA5
NC96	AA4	NC235	AA4
NC97	AA3	NC236	AA3
NC98	AA2	NC237	AA2
NC99	AA14	NC238	AA14

TITLE	X3-6050A2278001-MB-X01-20090225
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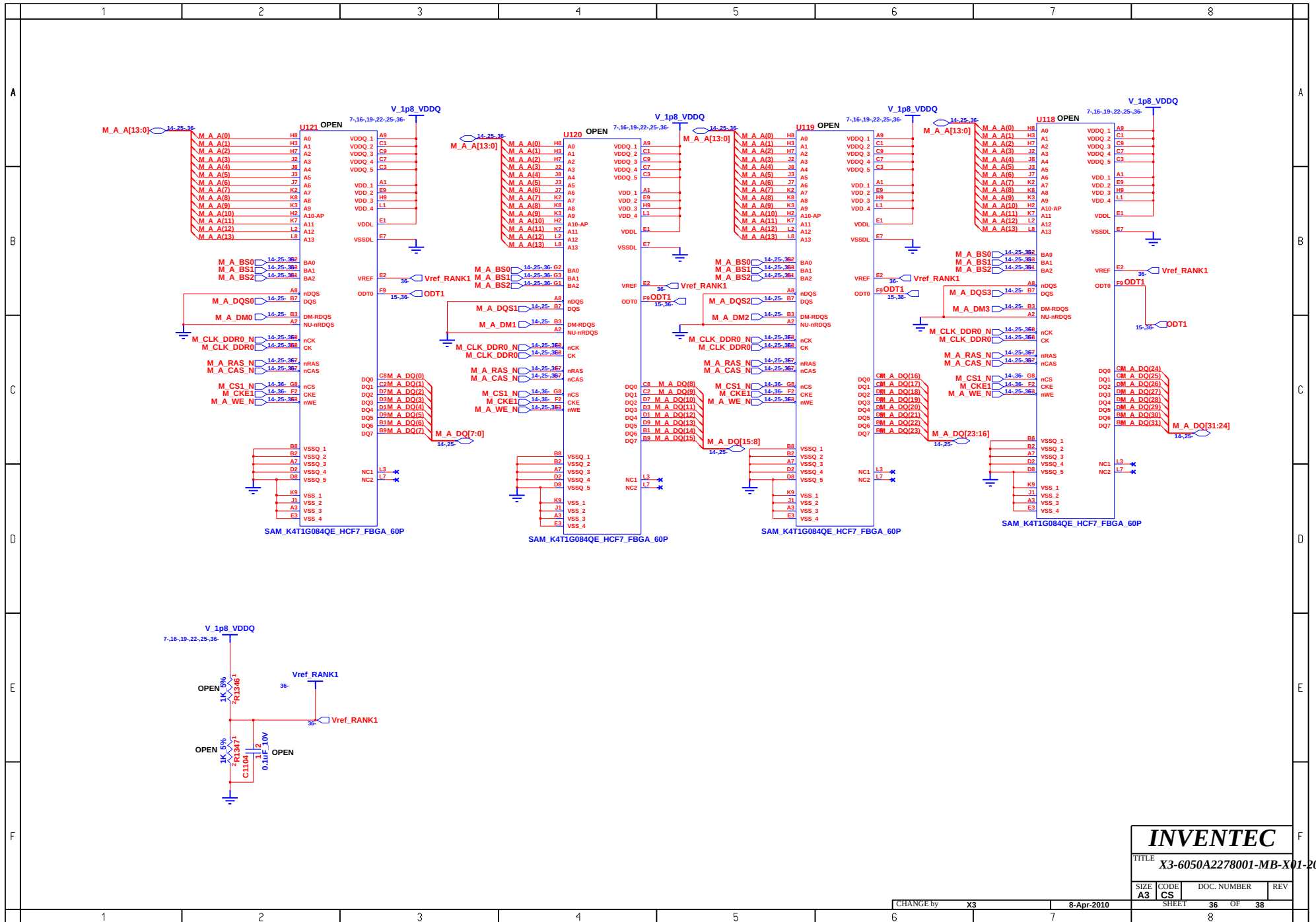
The schematic diagram illustrates the internal circuitry of the NXP IP4223CZ6 SOT457 6P module. The module is connected to a +V3A power source (4.27-29-30-31) and a GND connection. The module's internal components include a USB HUB5DP, USB HUB5DM, BT_PWR_OFF, USB HUB5DP, USB HUB5DM, and WIFI_PWR_ON. The module is connected to a USB cable (CN42) and a USB connector (G1, G2). The module is labeled 'NXP IP4223CZ6 SOT457 6P'.

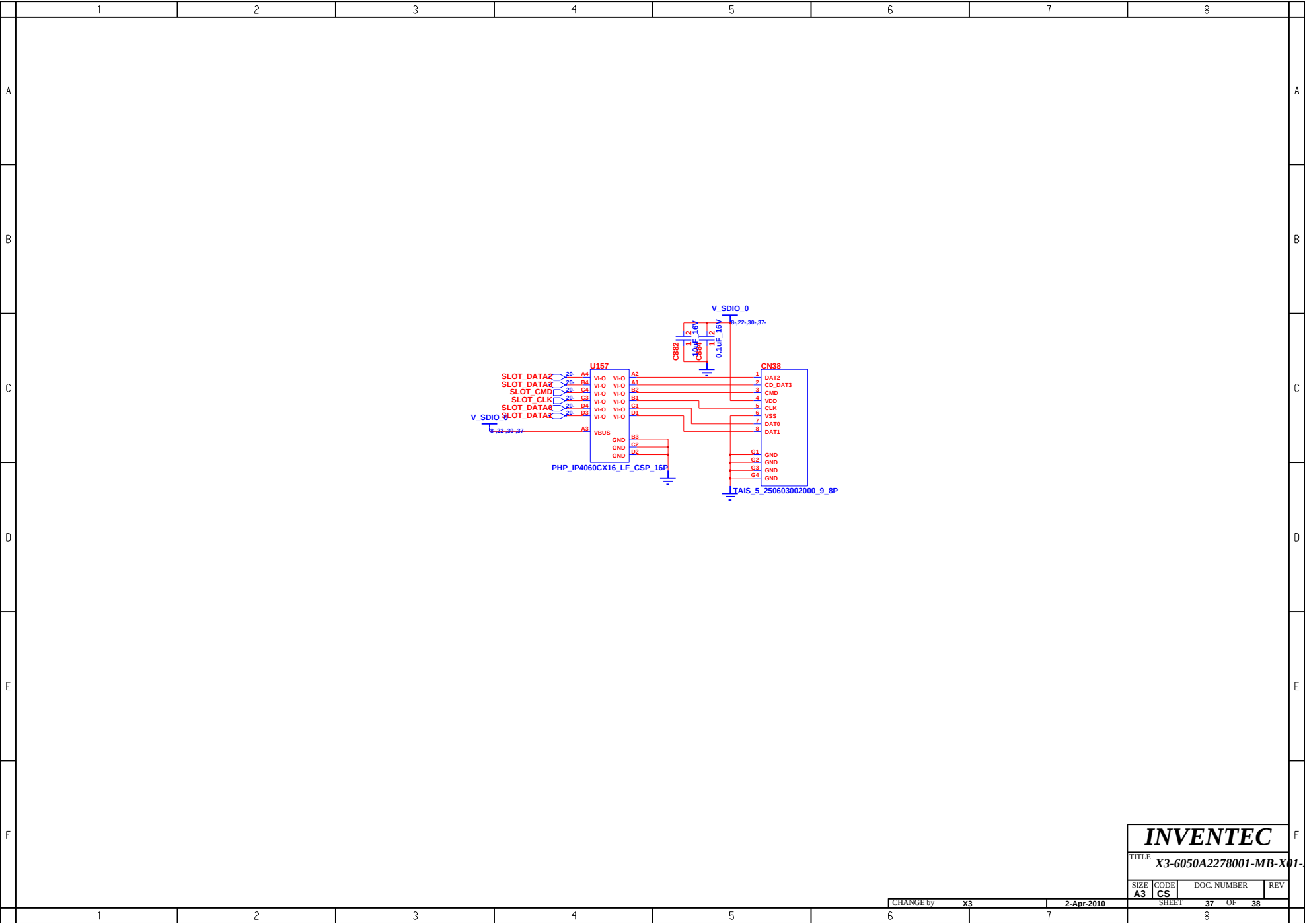
[illegible]

Pin connection diagram for the ACES 88460 1501 15P connector. The diagram shows a 15-pin connector with pins numbered 1 to 15. Pin 1 is labeled G1, and pin 15 is labeled G2. The connector is labeled 'ACES 88460 1501 15P'. The diagram shows the following connections:

- Pin 1 (G1) to V3P3
- Pin 2 to 4, 5, 8, 10, 11, 12, 19, 20, 21, 22, 25, 28, 31, 34, 35
- Pin 3 to PMIC_POWERBUTTON_N
- Pin 4 to HOME_BUTTON
- Pin 5 to I2C0SCL_ISO
- Pin 6 to I2C0SDA_ISO
- Pin 7 to POWER_ON_LED
- Pin 8 to LOCK_MODE
- Pin 9 to LOCK_BUTTON
- Pin 10 to STORAGE_LED
- Pin 11 to G2
- Pin 12 to G1
- Pin 13 to G2
- Pin 14 to G1
- Pin 15 to G2

TITLE			
X3-6050A2278001-MB-X01-20090225			
SIZE	CODE	DOC. NUMBER	REV
A3	CS		
SHEET		35	OF 38
		8	





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

INVENTEC			
TITLE ET10-6050A2349701-MB-X02			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A2349701-0-MT	R02
SHEET		38	OF 38

CHANGE by	Peng, Edward	13-Apr-2010
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