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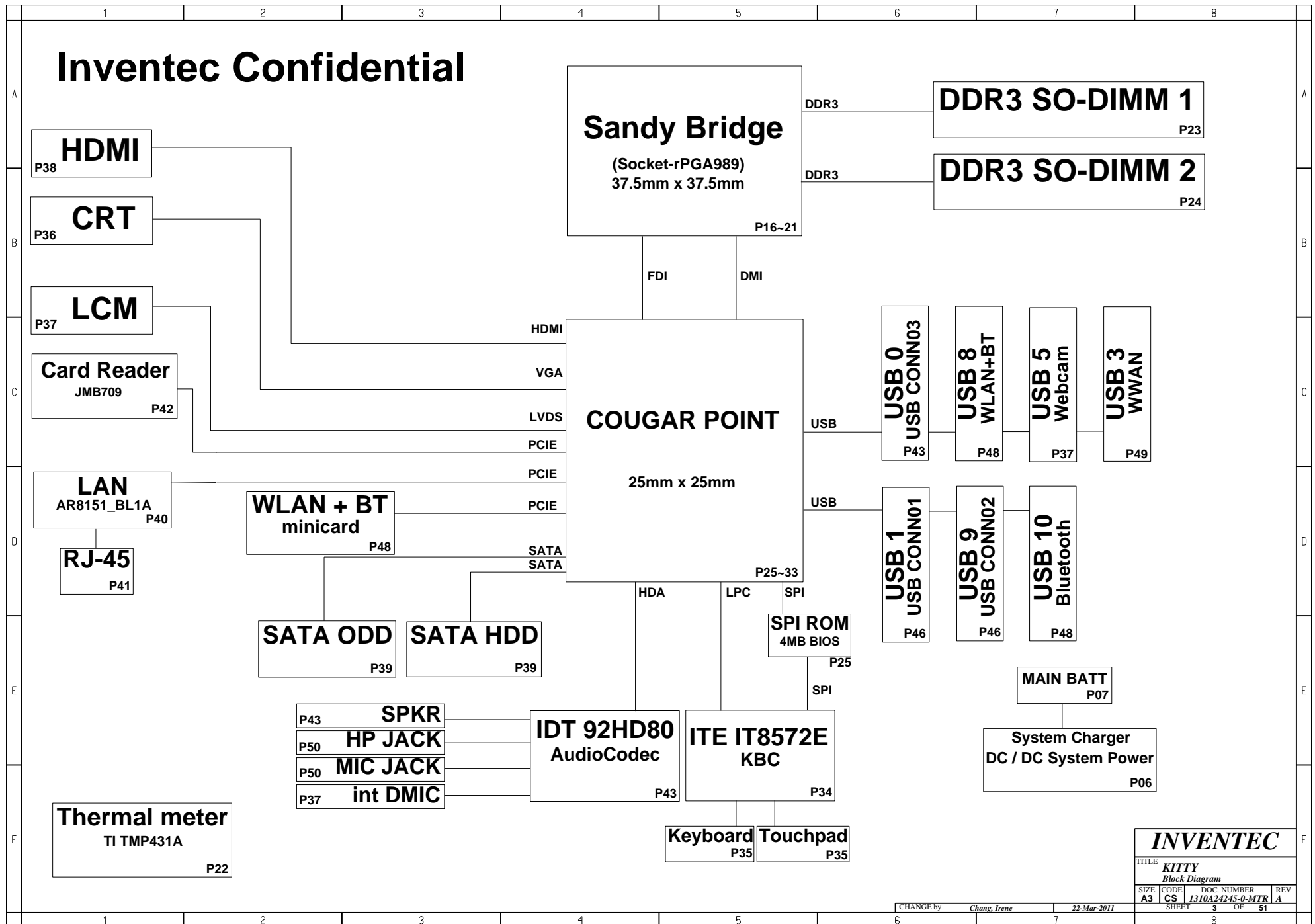
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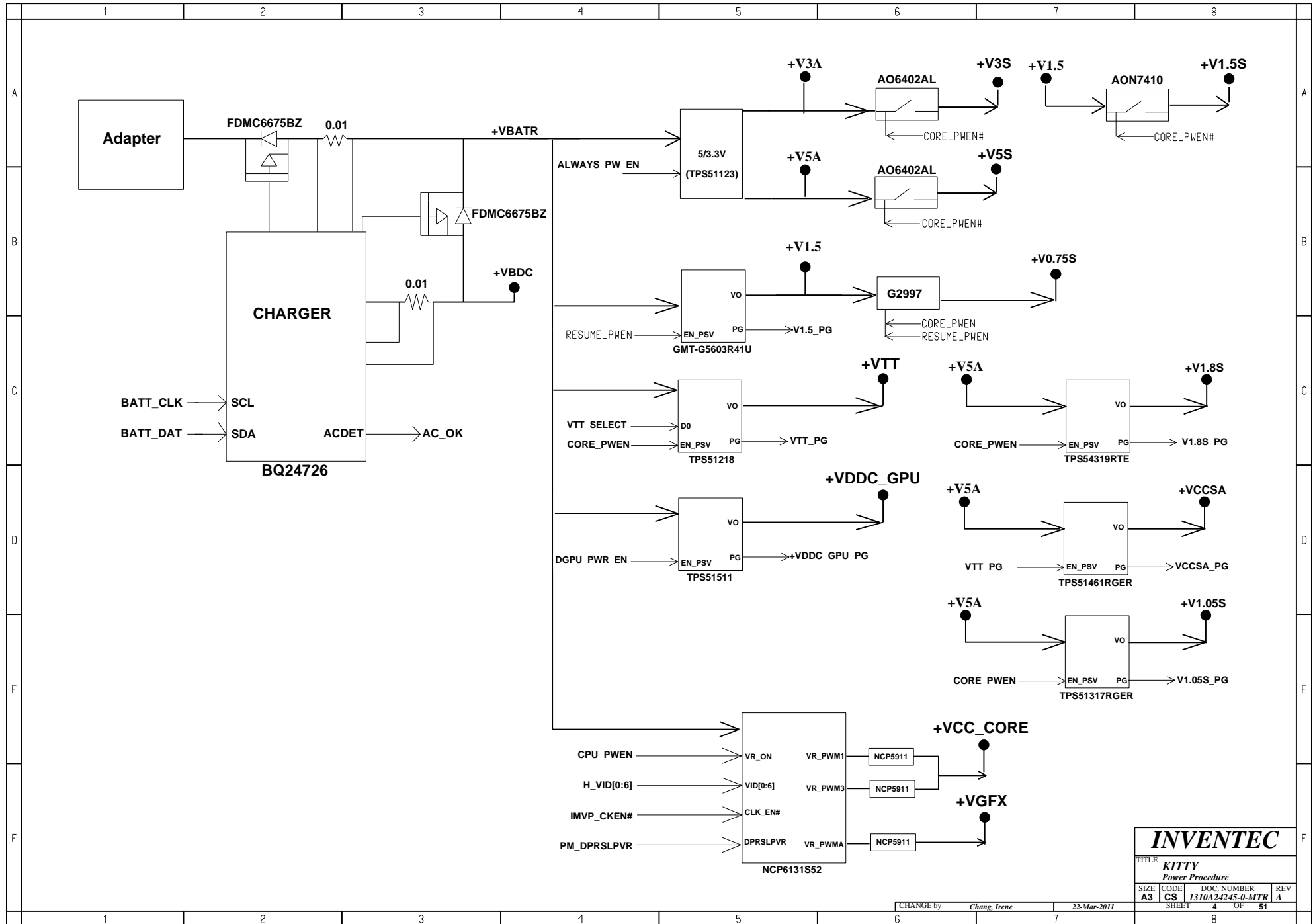
25. PCH-1 (HDA, JTAG, SPI, SATA)
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INVENTEC

TITLE KITTY <i>Index</i>			
SIZE A3	CODE CS	DOC. NUMBER 1310A24245-0-MTR	REV A
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CHANGE by *Chang, Irene* 22-Mar-2011

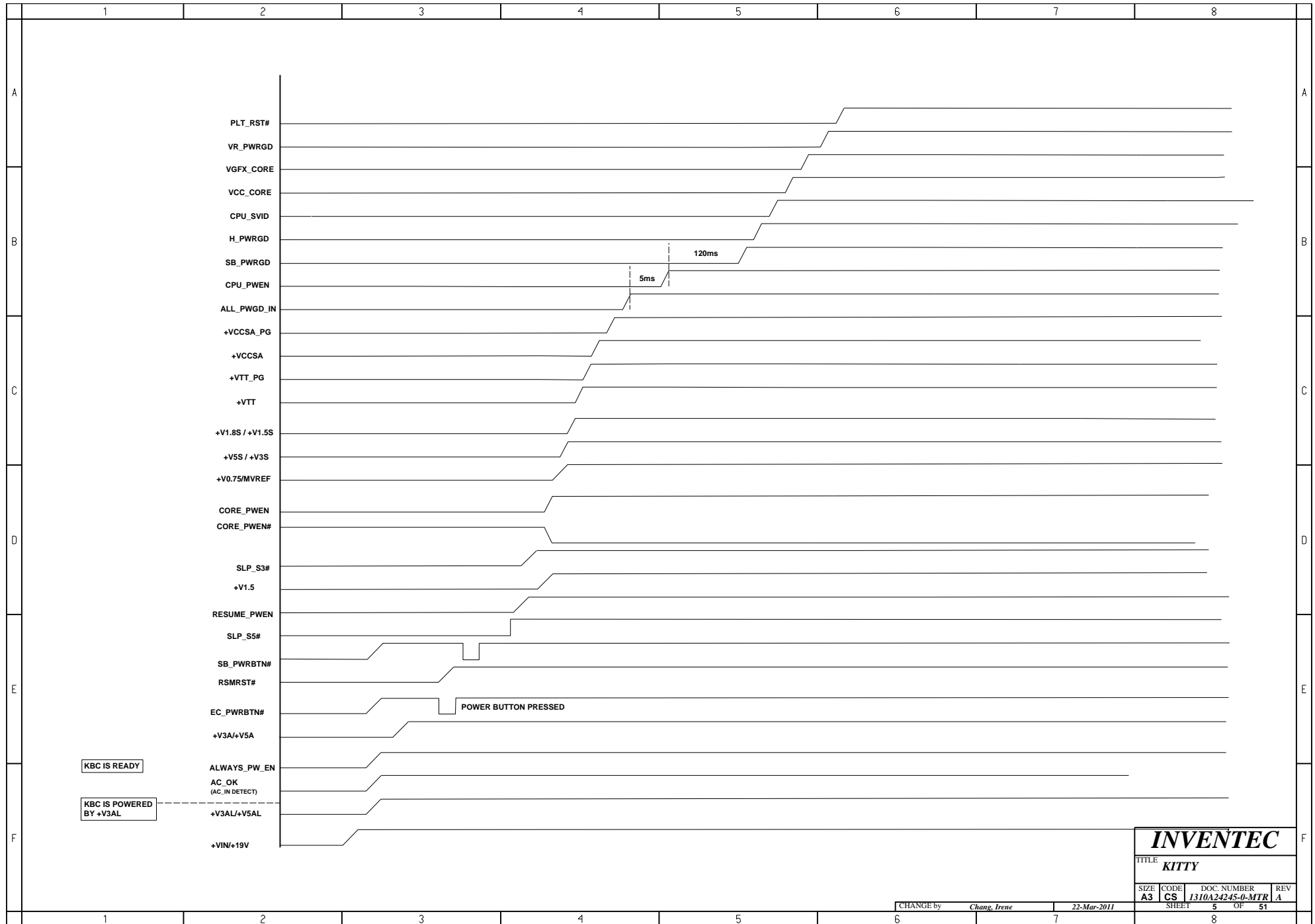




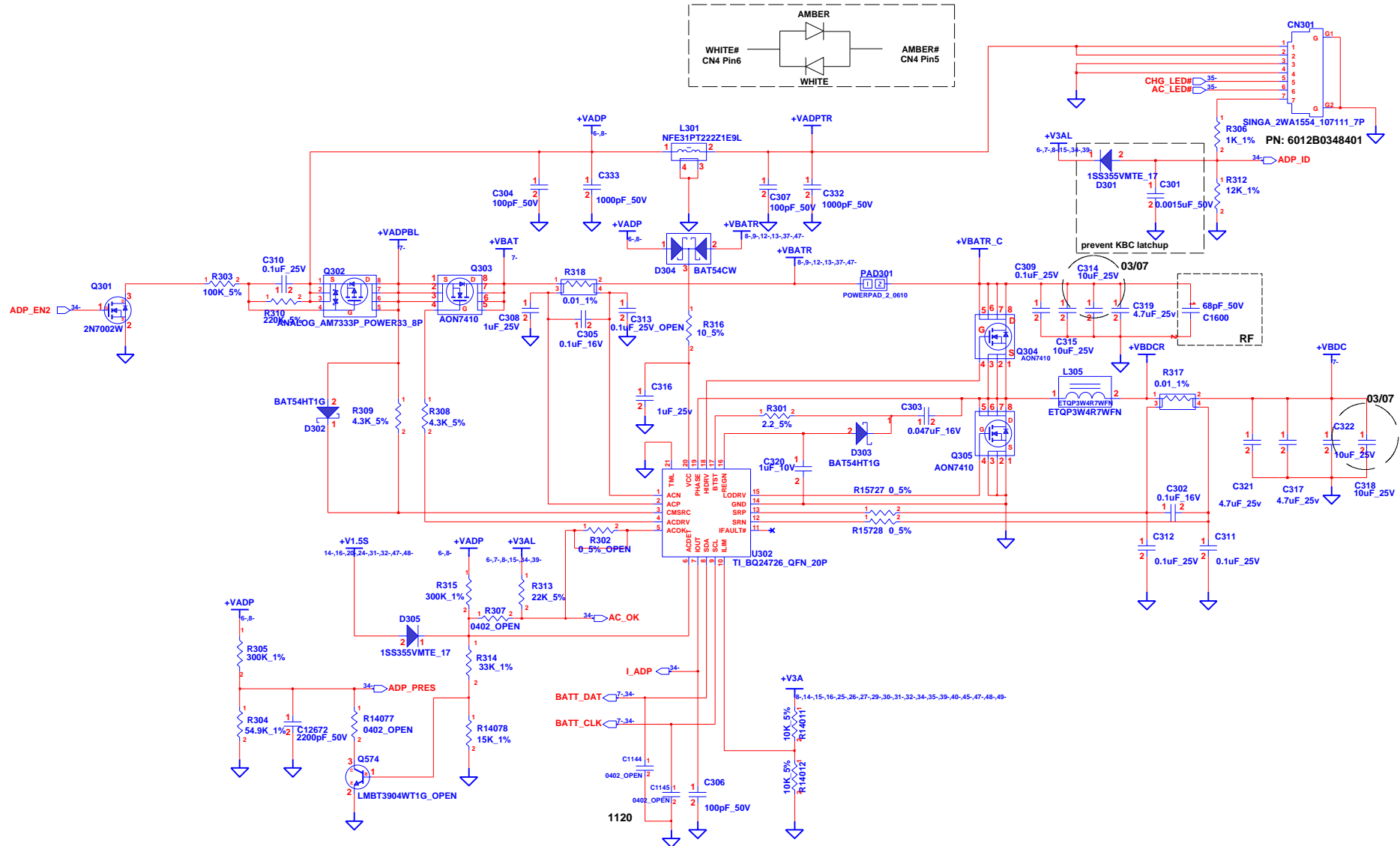
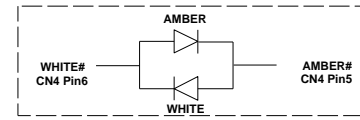
INVENTEC

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SIZE A3	CODE CS	DOC. NUMBER 1310A24245-0-MTR	REV A
SHEET 4		OF 51	

CHANGE by *Chang, Irene* 22-Mar-2011



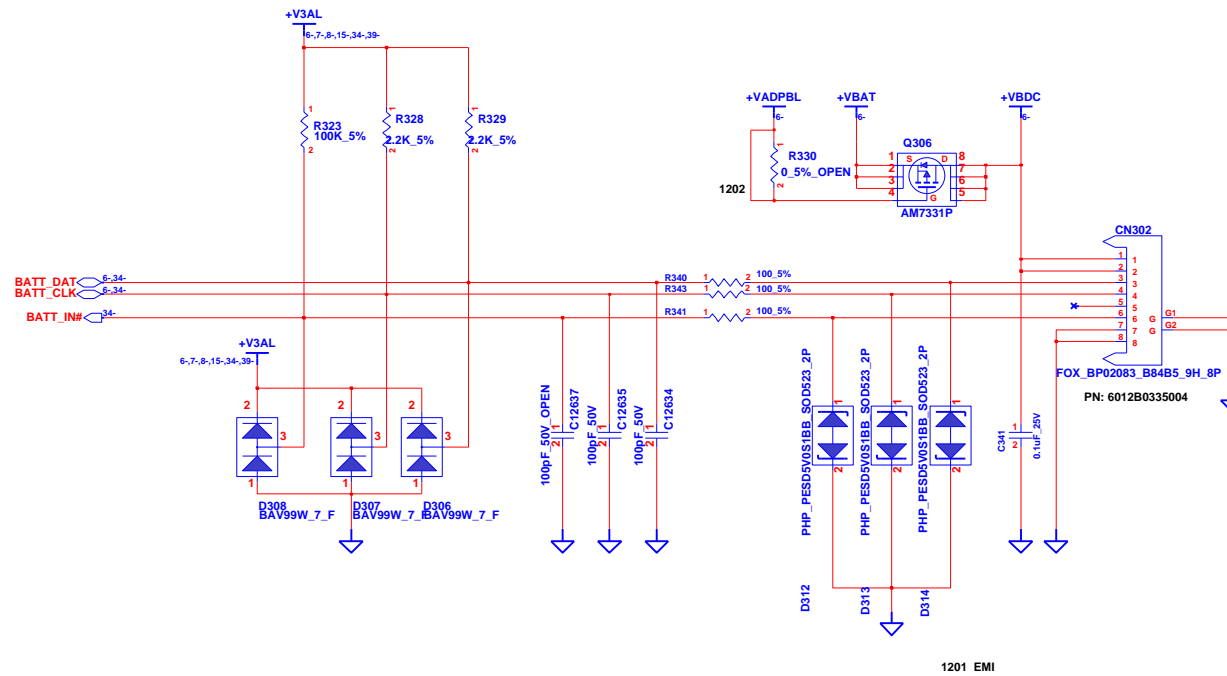
AC IN



INVENTEC

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SHEET 6		OF 51	

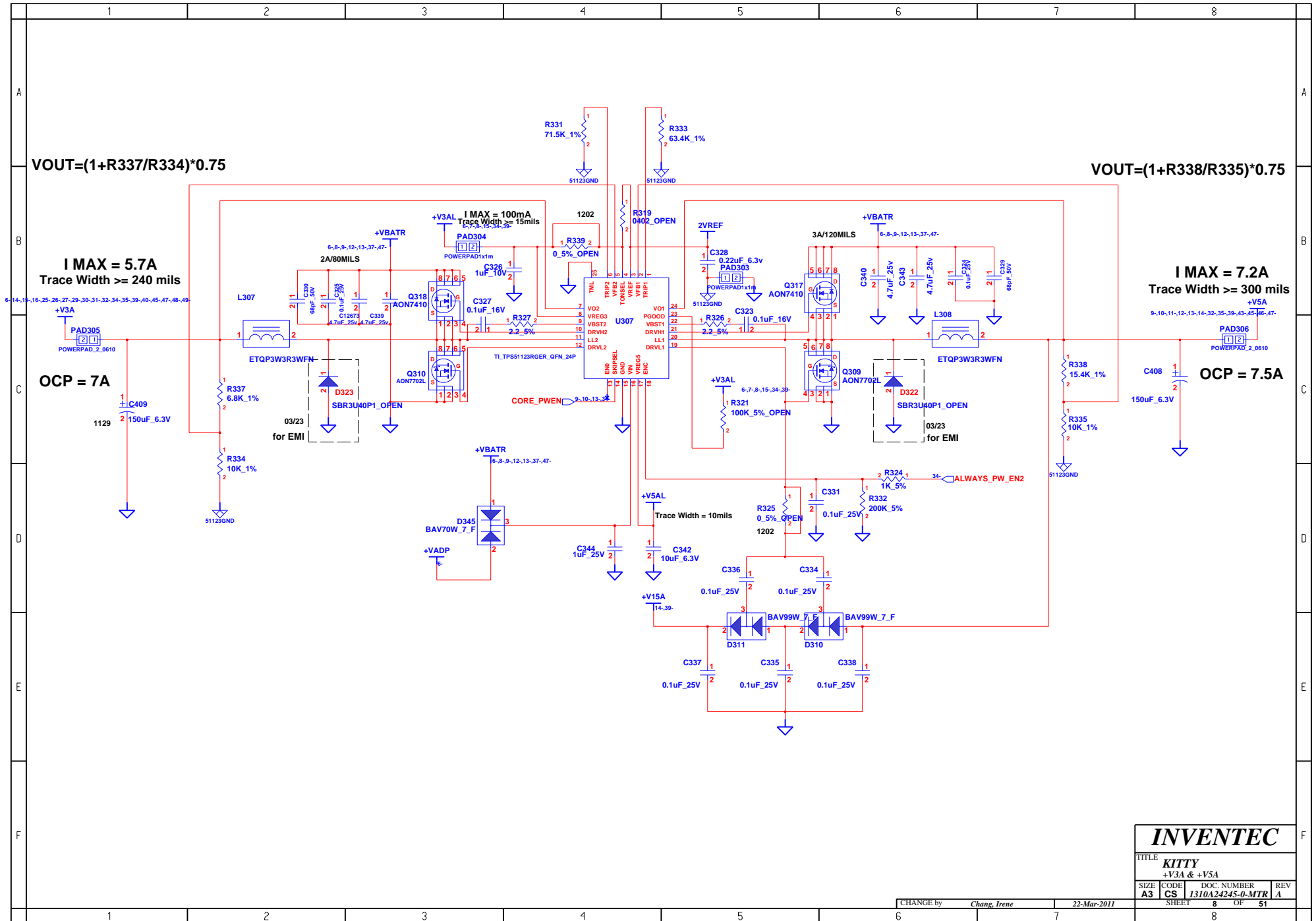
CHANGE by *Chang, Irene* 22-Mar-2011

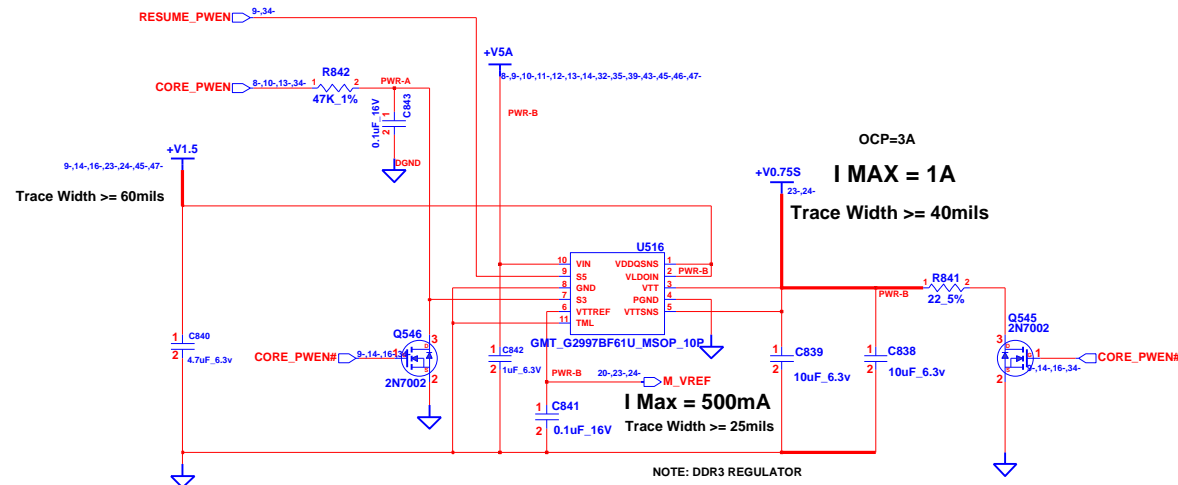
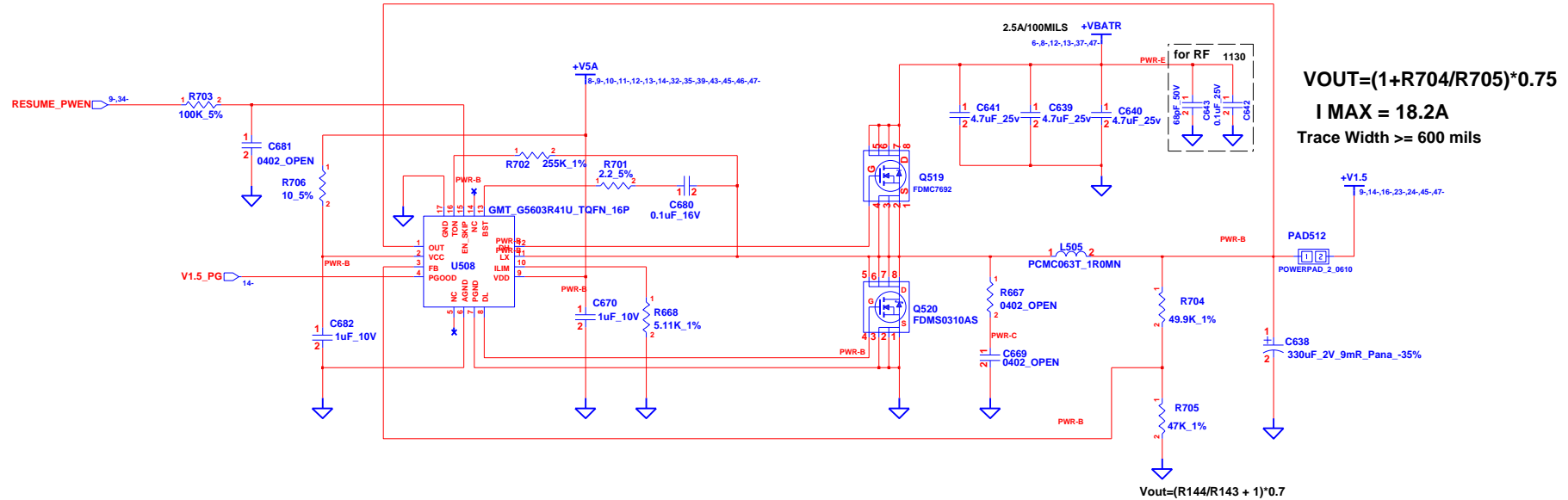


INVENTEC

TITLE KITTY Battery CONN			
SIZE A3	CODE CS	DOC. NUMBER 1310A24245-0-MTR	REV A
SHEET 7		OF 51	

CHANGE by *Chang, Irene* 22-Mar-2011

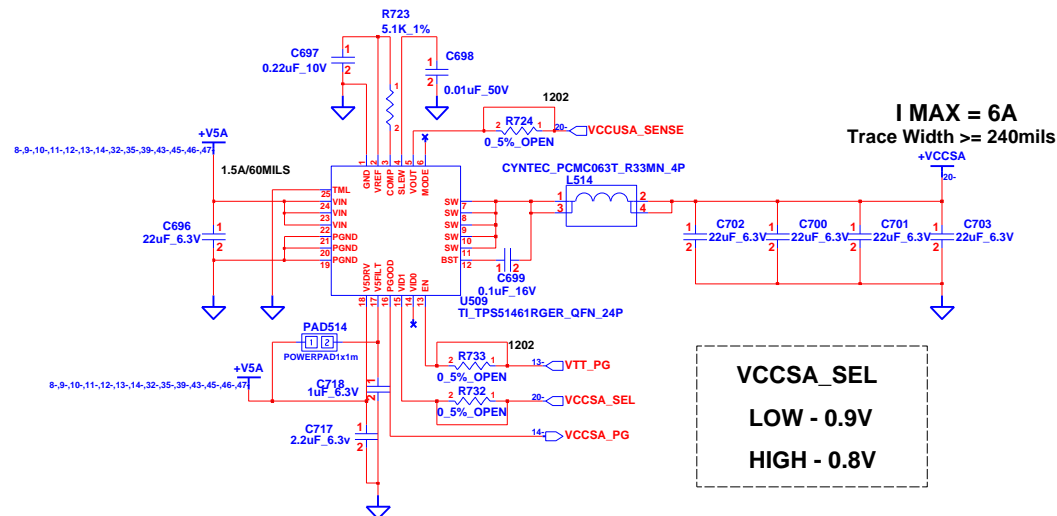
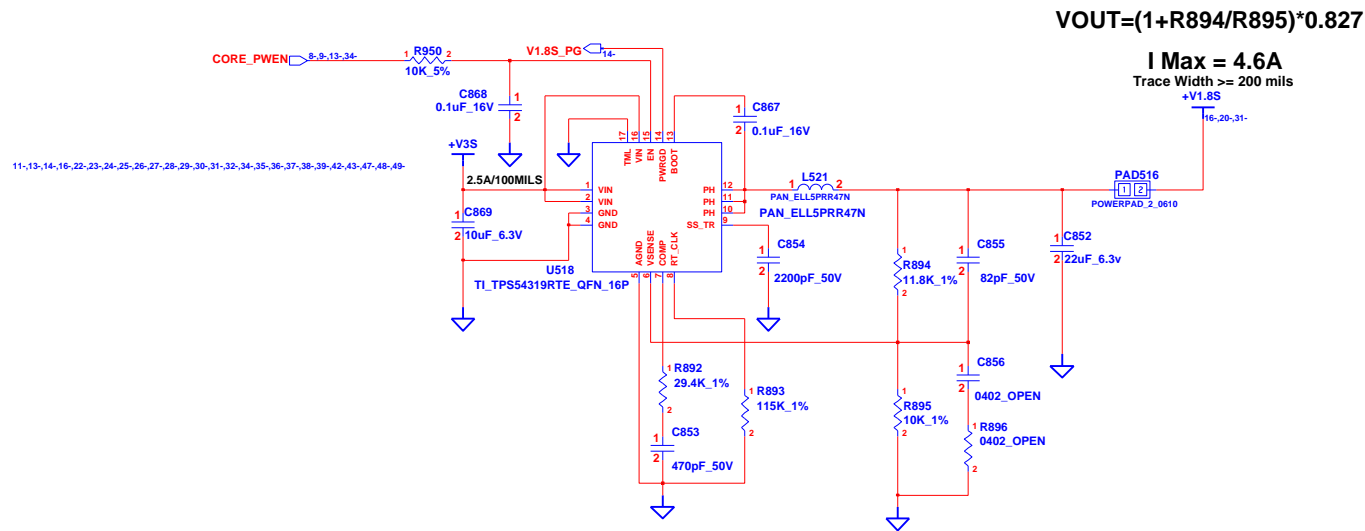




INVENTEC

TITLE KITTY			
+V1.5 & +V0.75			
SIZE A3	CODE CS	DOC. NUMBER 1310A24245-0-MTR	REV A
SHEET 9		OF 51	

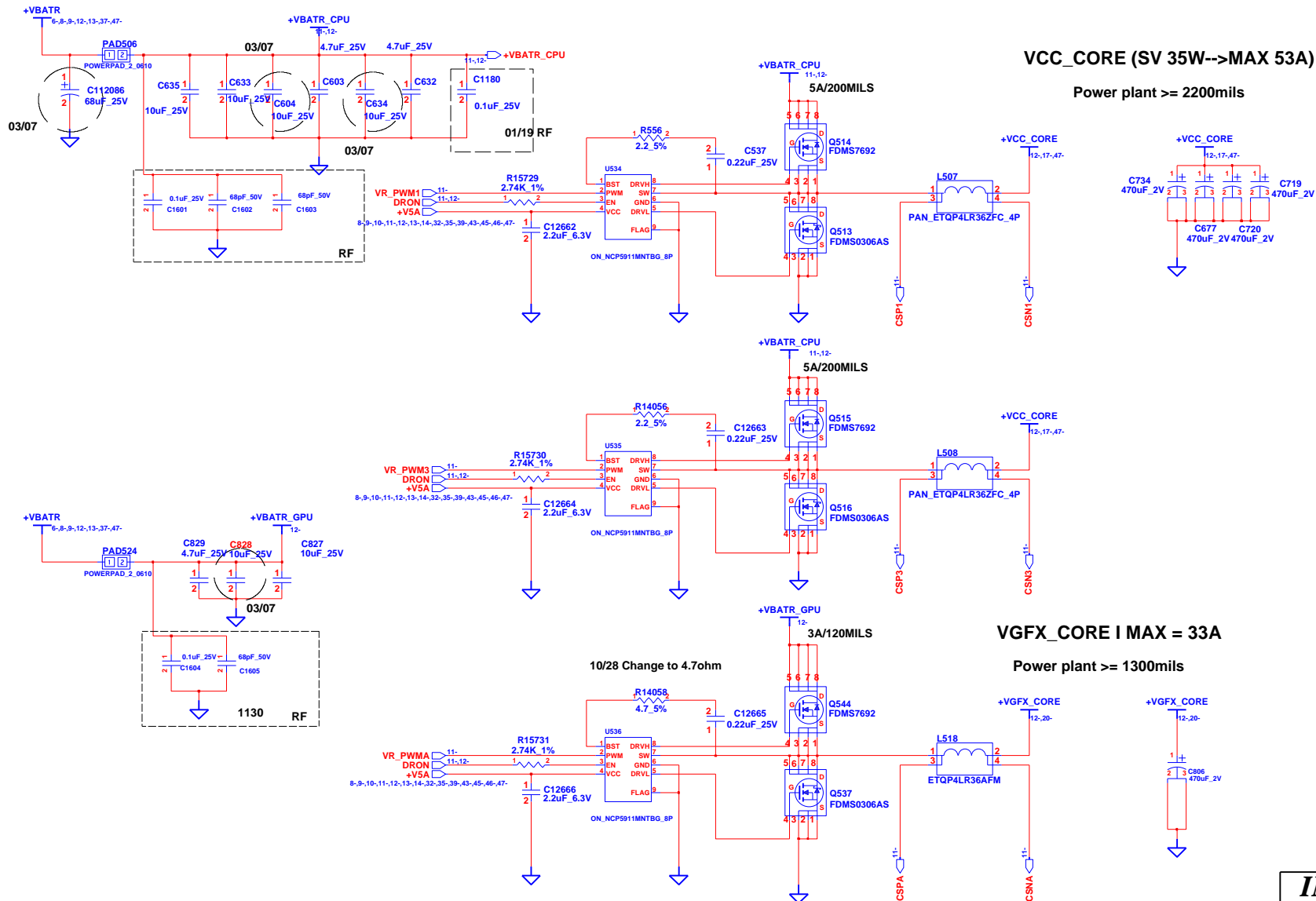
CHANGE by *Chang, Irene* 22-Mar-2011



INVENTEC

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SHEET 10		OF 51	

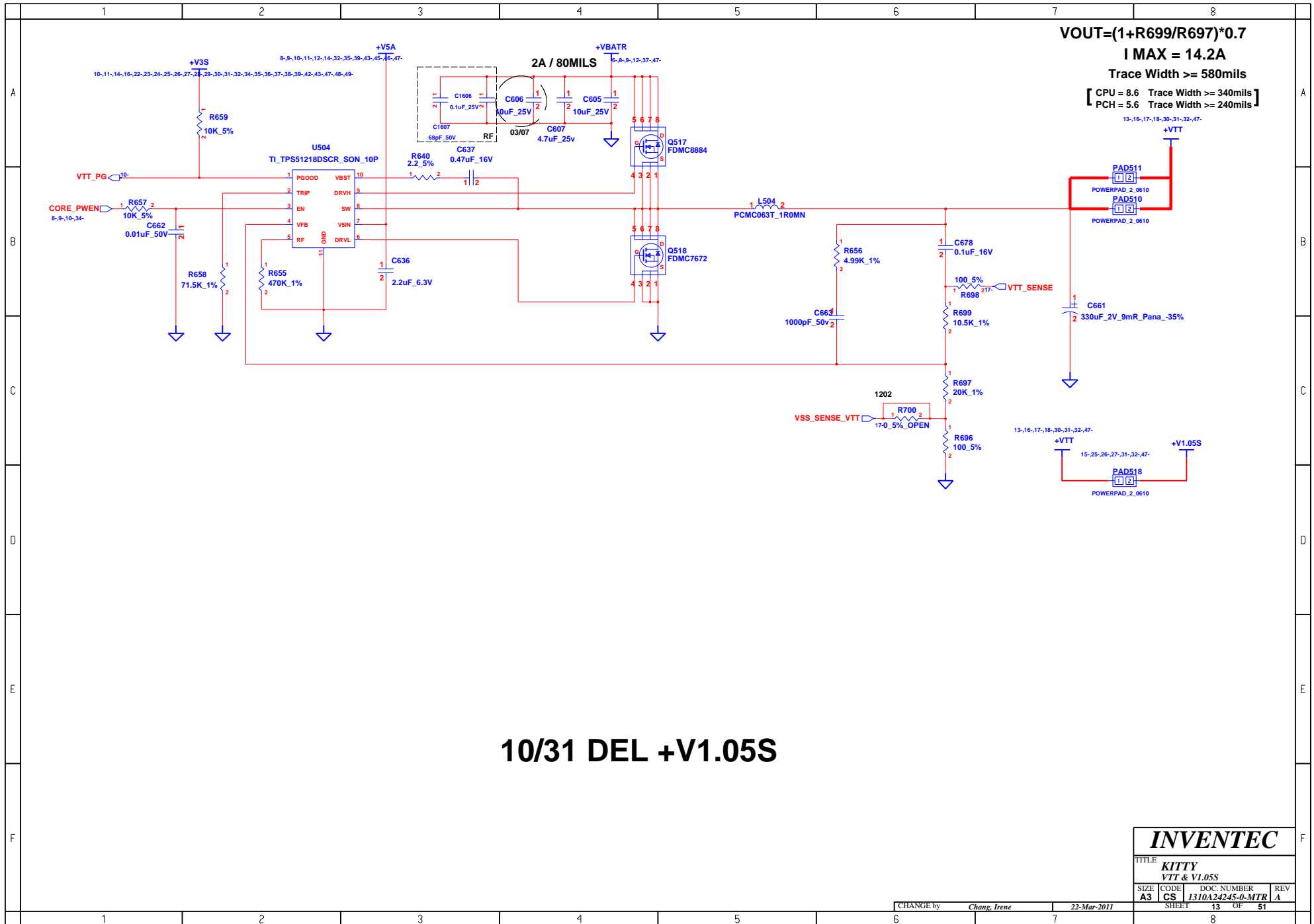
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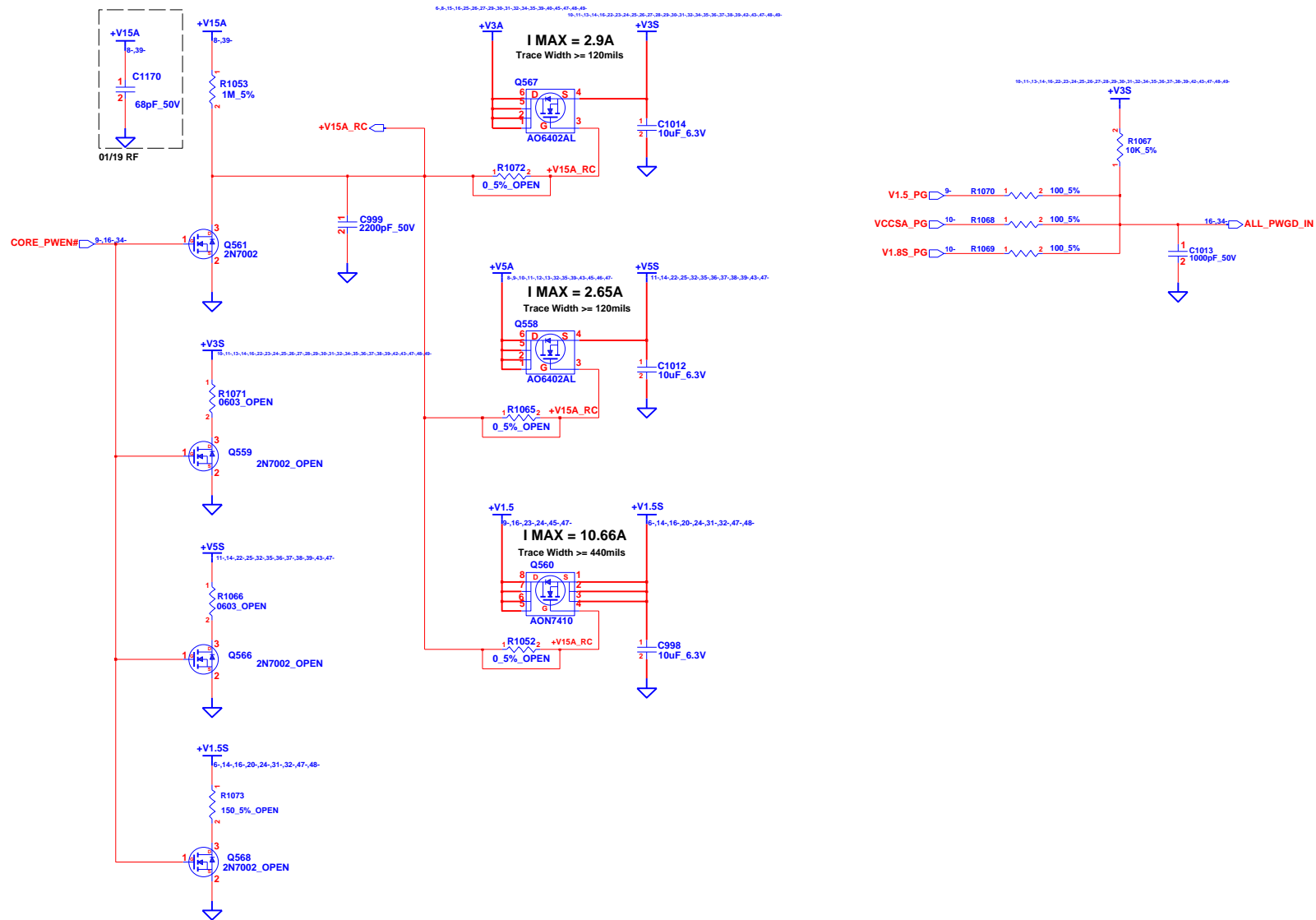


INVENTEC

TITLE KITT Y +VGFX_CORE			
SIZE A3	CODE CS	DOC. NUMBER 1310A24245-0-MTR	REV A
SHEET 12		OF 51	

CHANGE by *Chang, Irene* 22-Mar-2011

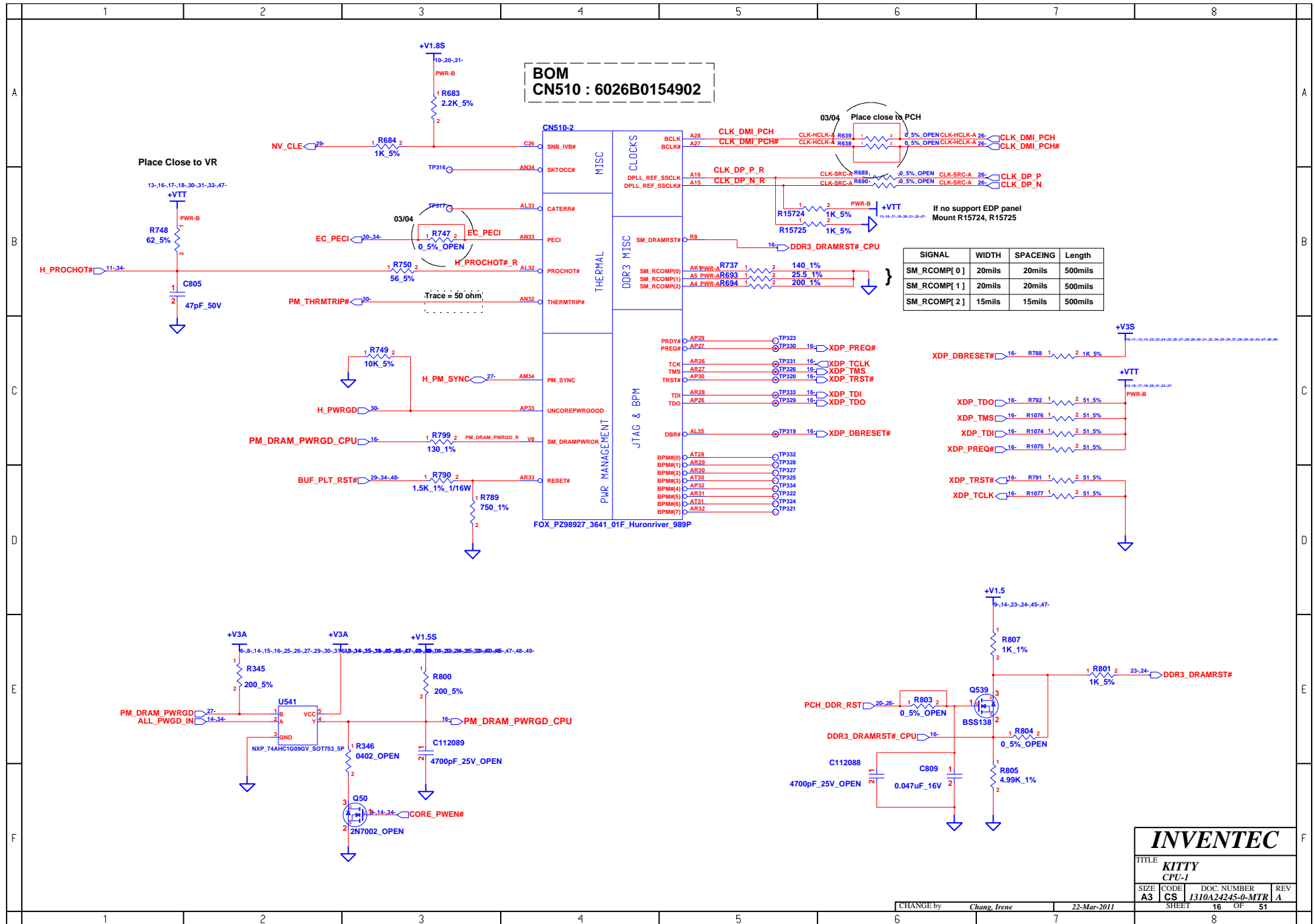


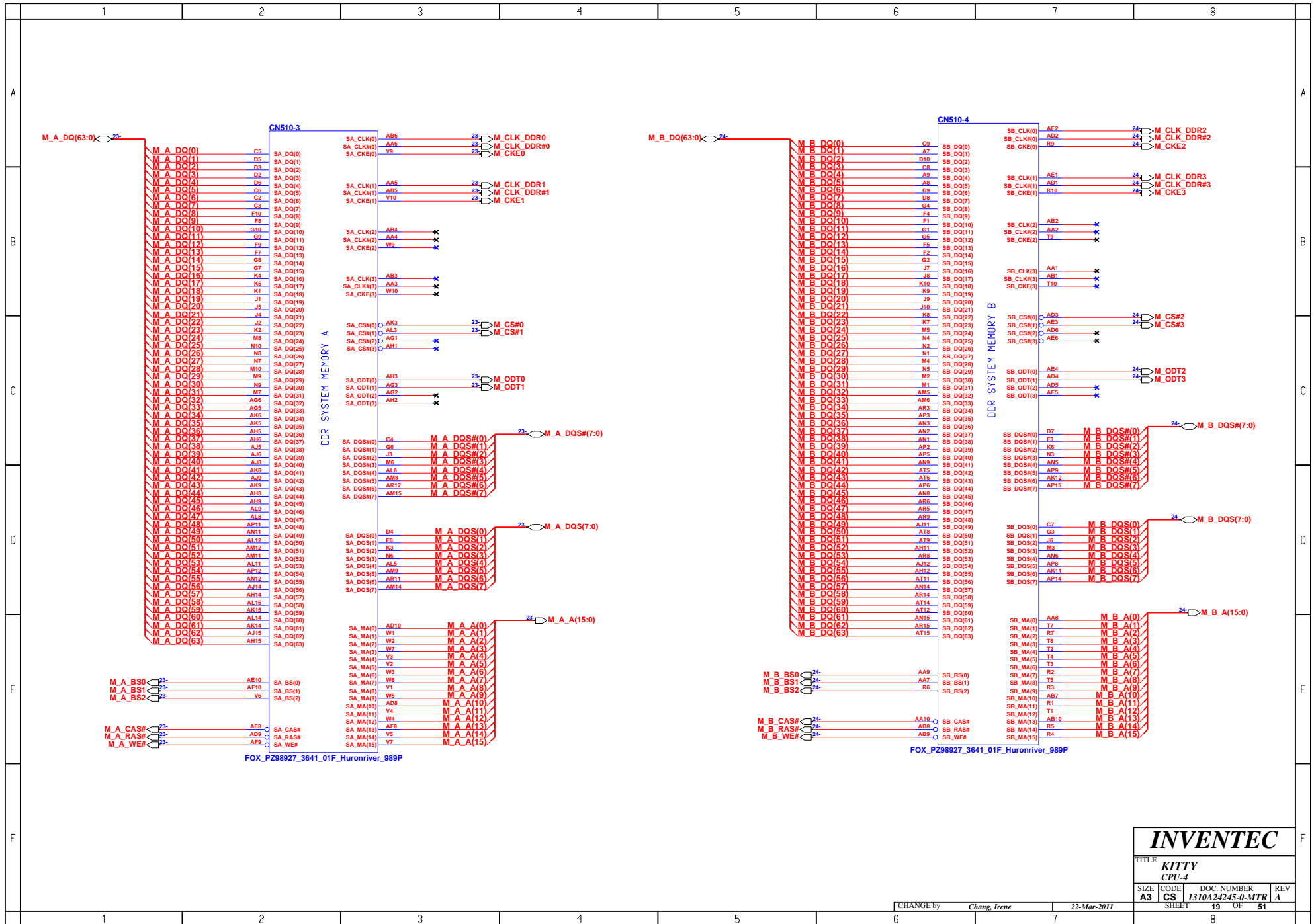


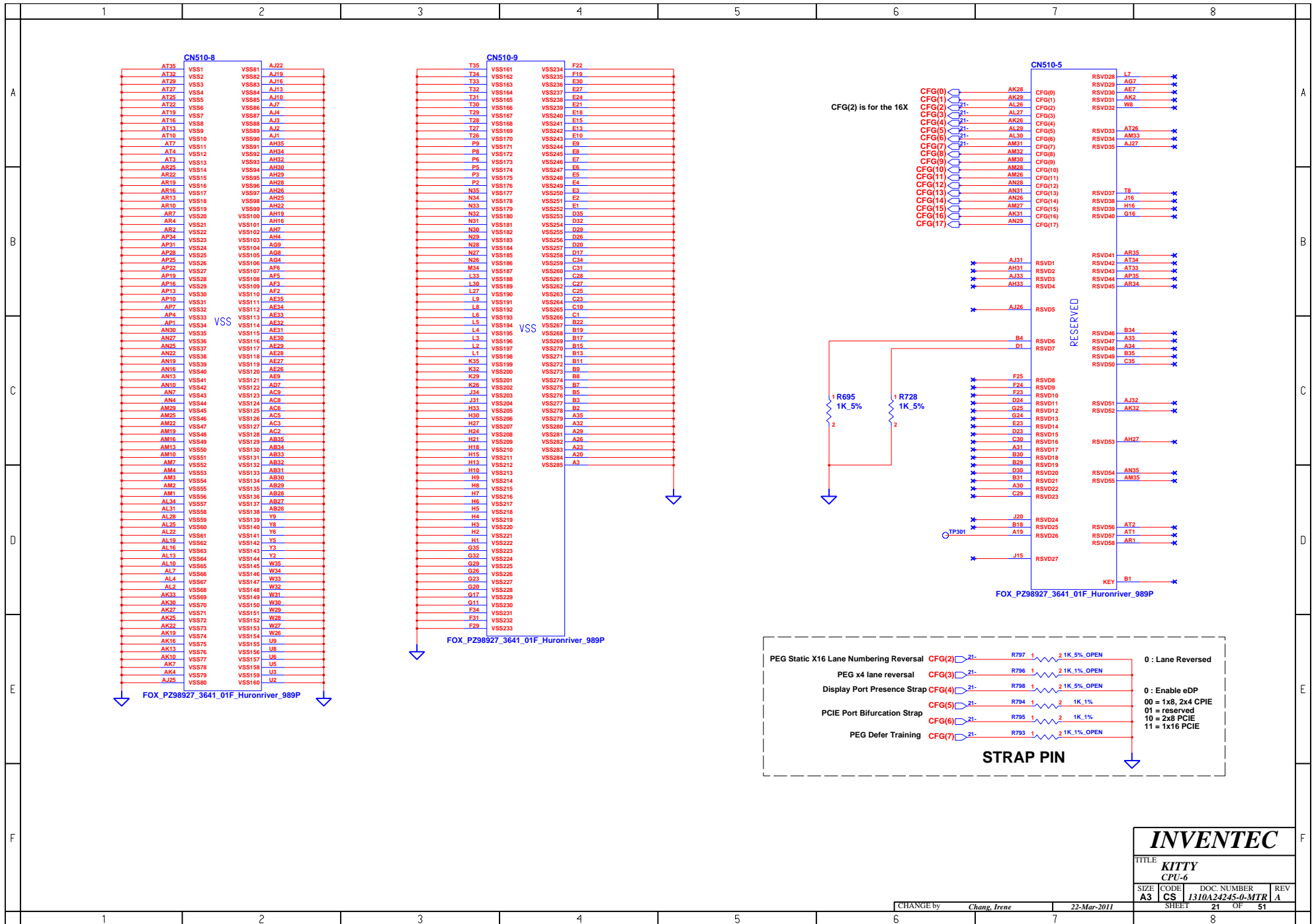
INVENTEC

TITLE KITTY			
+V5S & +V3S			
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SHEET 14		OF 51	

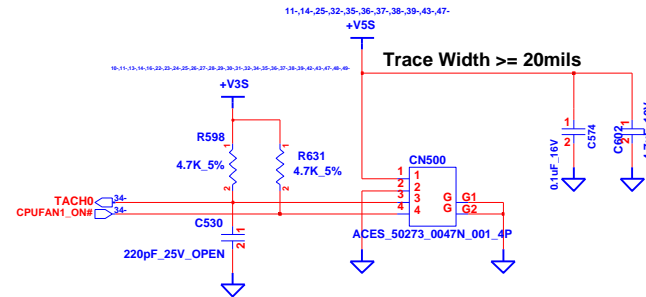
CHANGE by *Chang, Irene* 22-Mar-2011



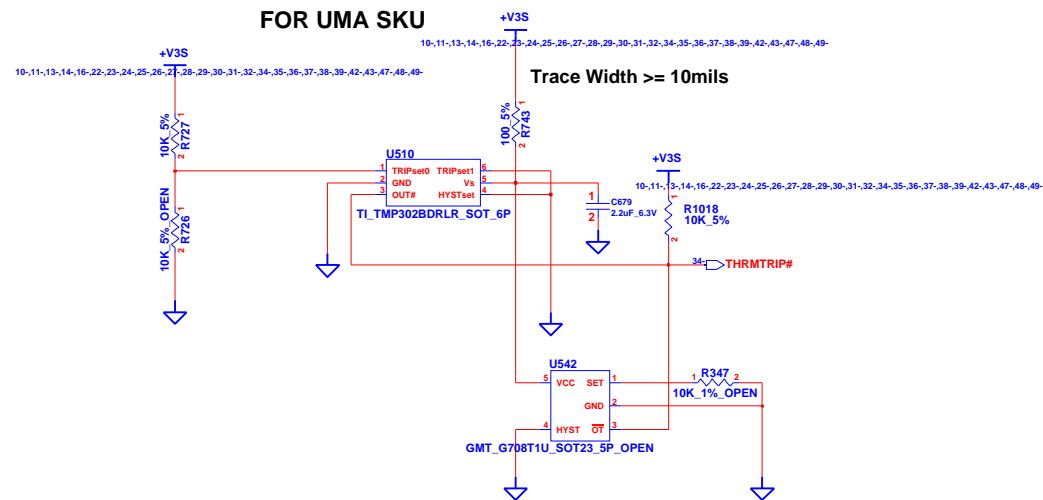




*BOM
CN500 : 6012A0081607
FAN CONN



FOR UMA SKU



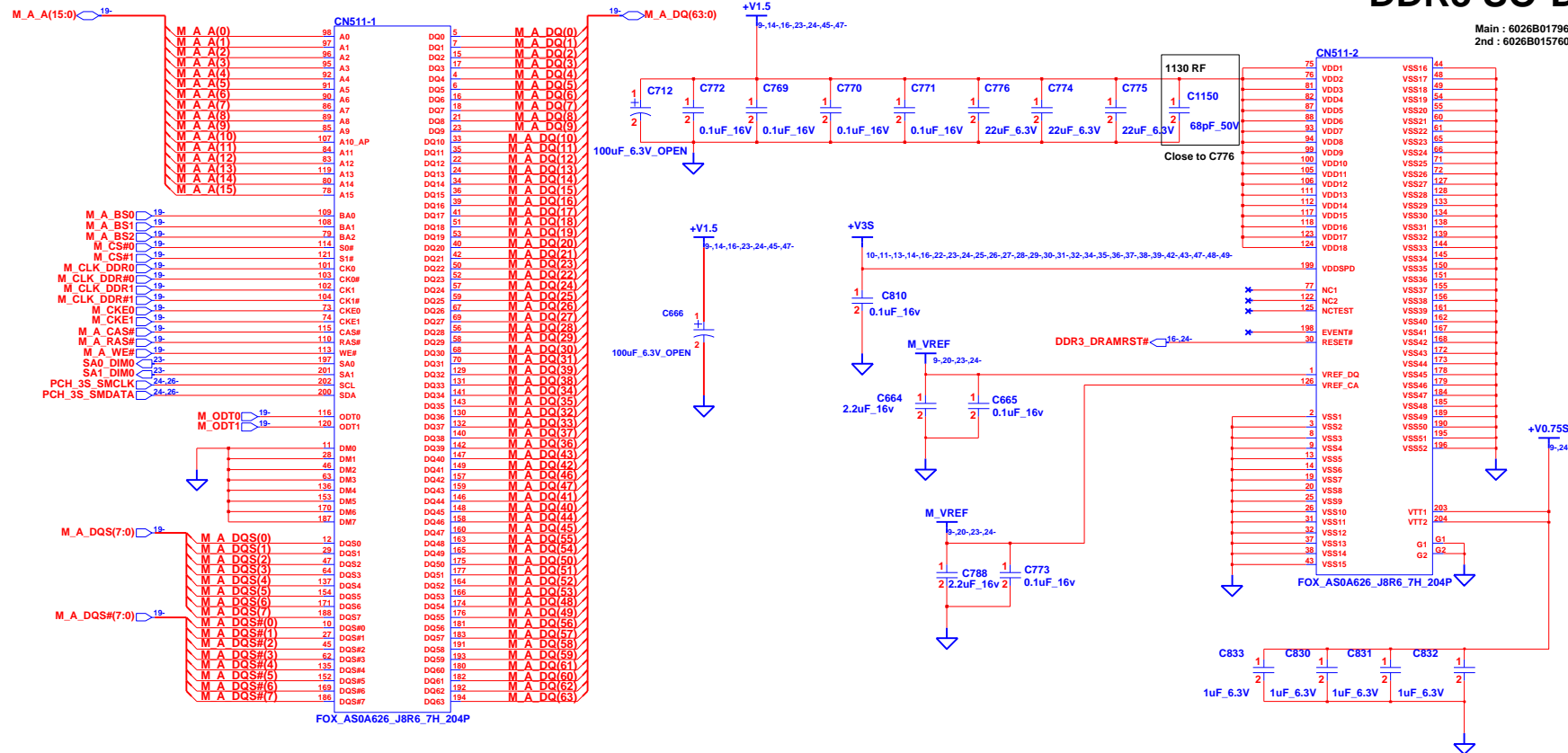
INVENTEC

TITLE KITTY Thermal, Fan & XDP			
SIZE A3	CODE CS	DOC. NUMBER 1310A24245-0-MTR	REV A
SHEET 22		OF 51	

CHANGE by *Chang, Irene* 22-Mar-2011

DDR3 SO-DIMM 1

Main : 6026B0179601
2nd : 6026B0157609

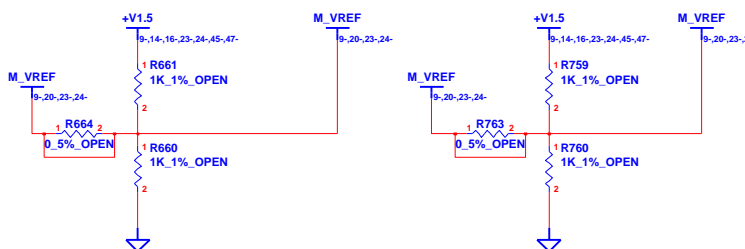


NOTE:

IF SA0_DIM0=0, SA1_DIM0=0
SO-DIMMA SPD ADDRESS IS 0xA0
SO-DIMMA TS ADDRESS IS 0x30

IF SA0_DIM0=1, SA1_DIM0=0
SO-DIMMA SPD ADDRESS IS 0xA2
SO-DIMMA TS ADDRESS IS 0x32

For SVTP test used.



INVENTEC

TITLE			
KITTY			
DDR3-I			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A24245-0-MTR	A
SHEET			
23 OF 51			

CHANGE by Chang, Irene 22-Mar-2011

DDR3 SO-DIMM 2

CN1005 (lower) : 6026B0121102
*BOM

Layout Note: Place
these Caps near
SO-DIMM1 power pin

Place these caps
close to VTT1 and
VTT2

Place these caps
close to VTT1 and
VTT2

For SVTP used

NOTE:
SO-DIMMB SPD ADDRESS IS 0xA4
SO-DIMMB TS ADDRESS IS 0x34

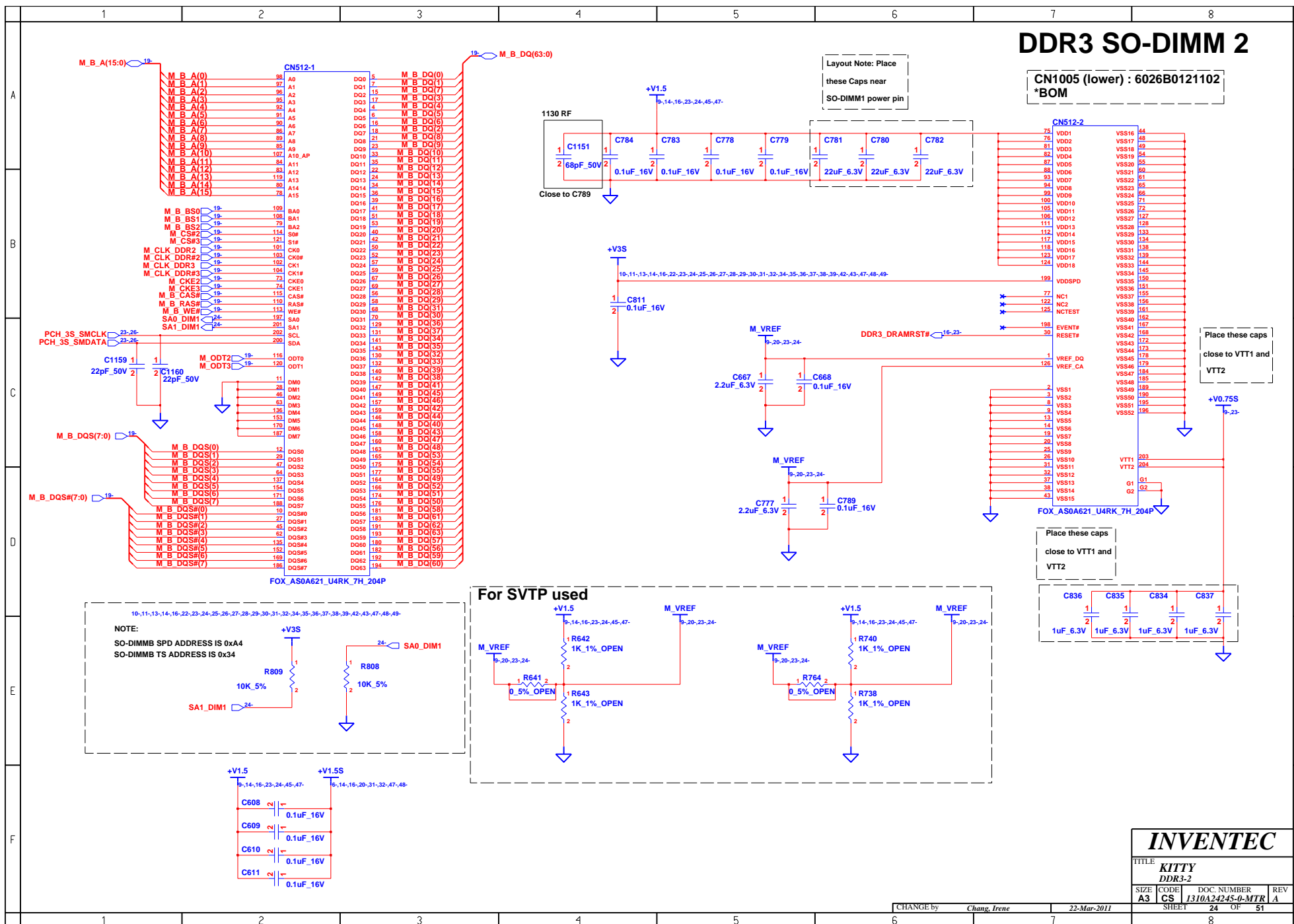
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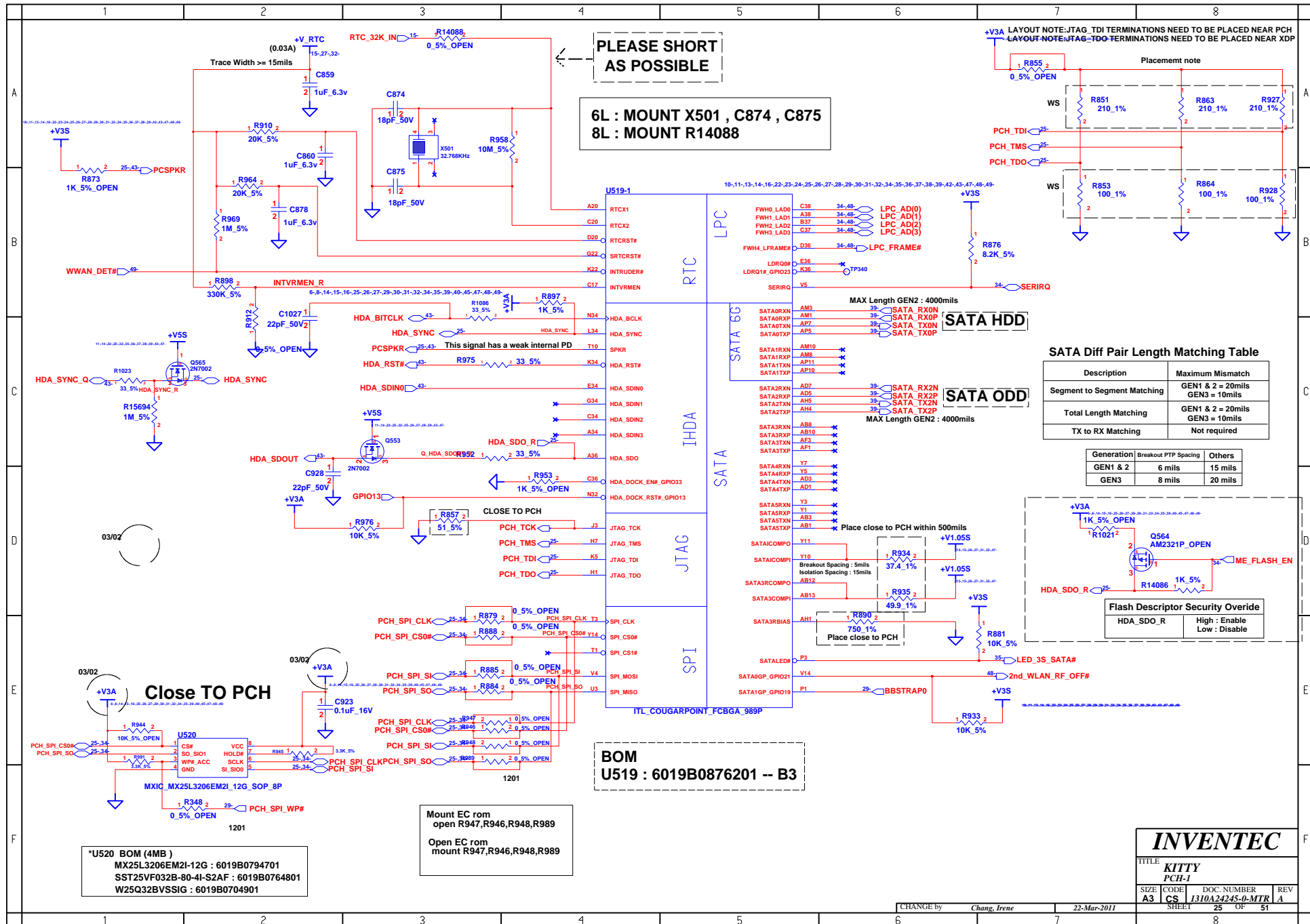
TITLE
**KITTY
DDR3-2**

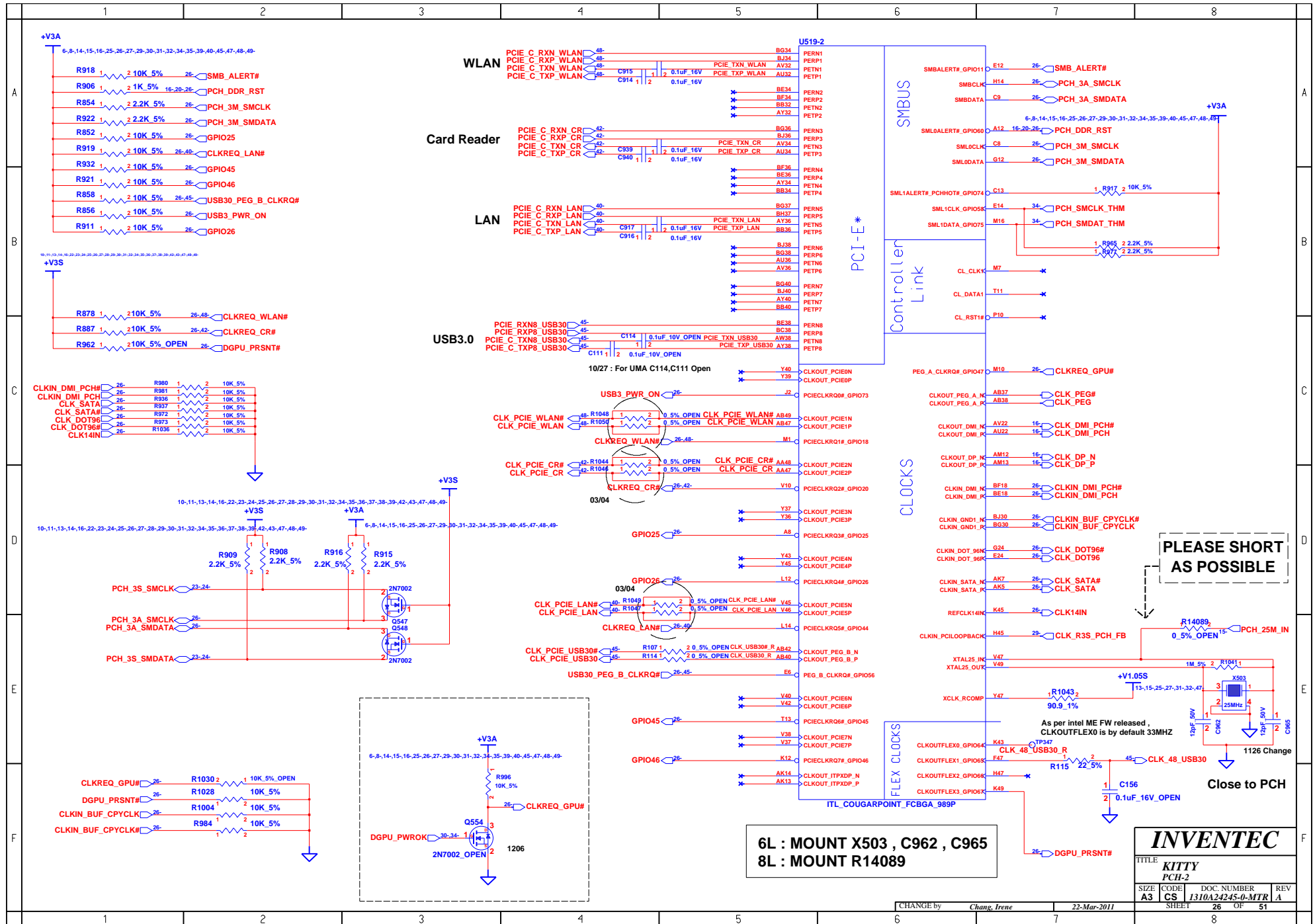
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A3	CS	1310A24245-0-MTR	A

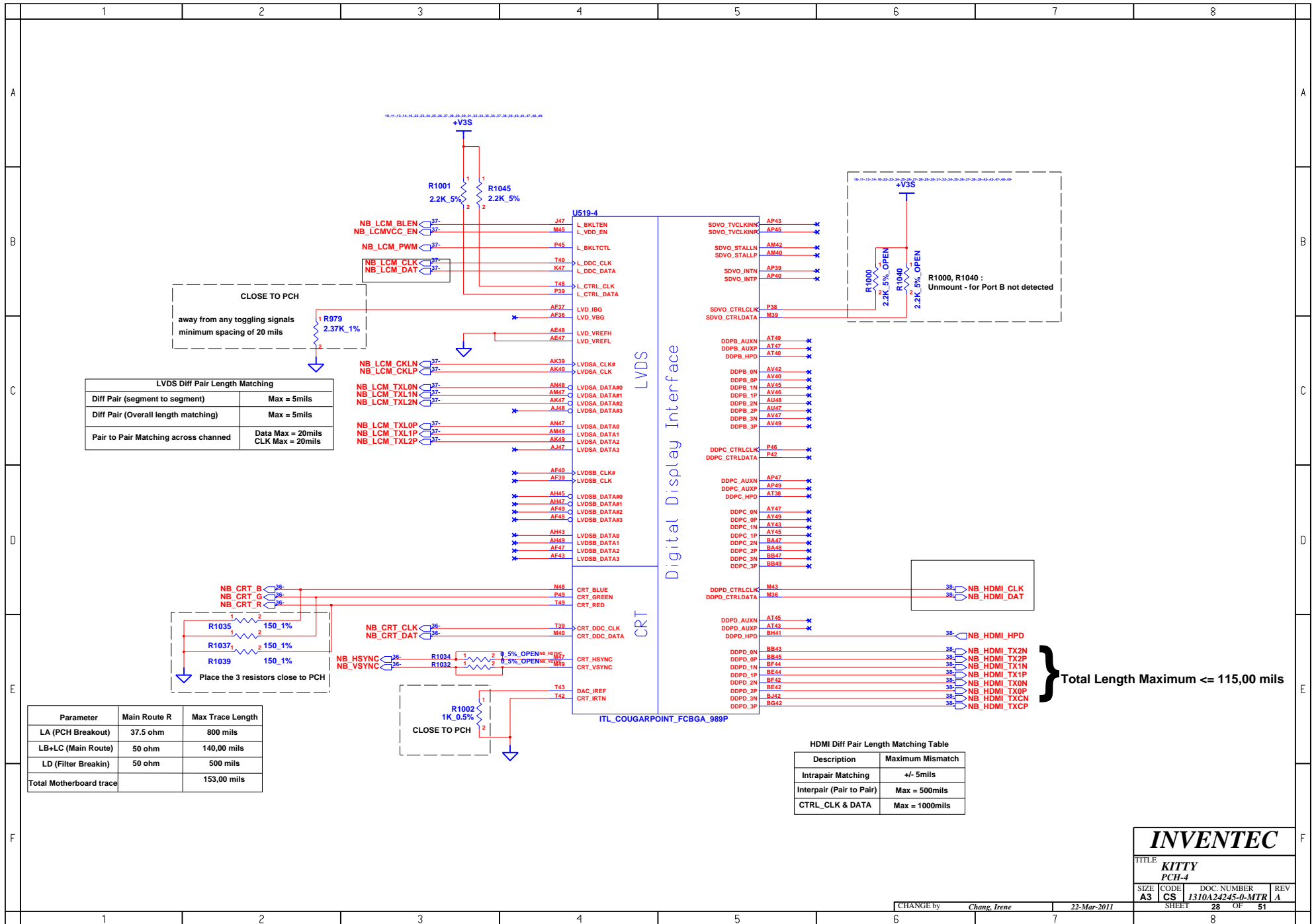
CHANGE by *Chang, Irene* 22-Mar-2011

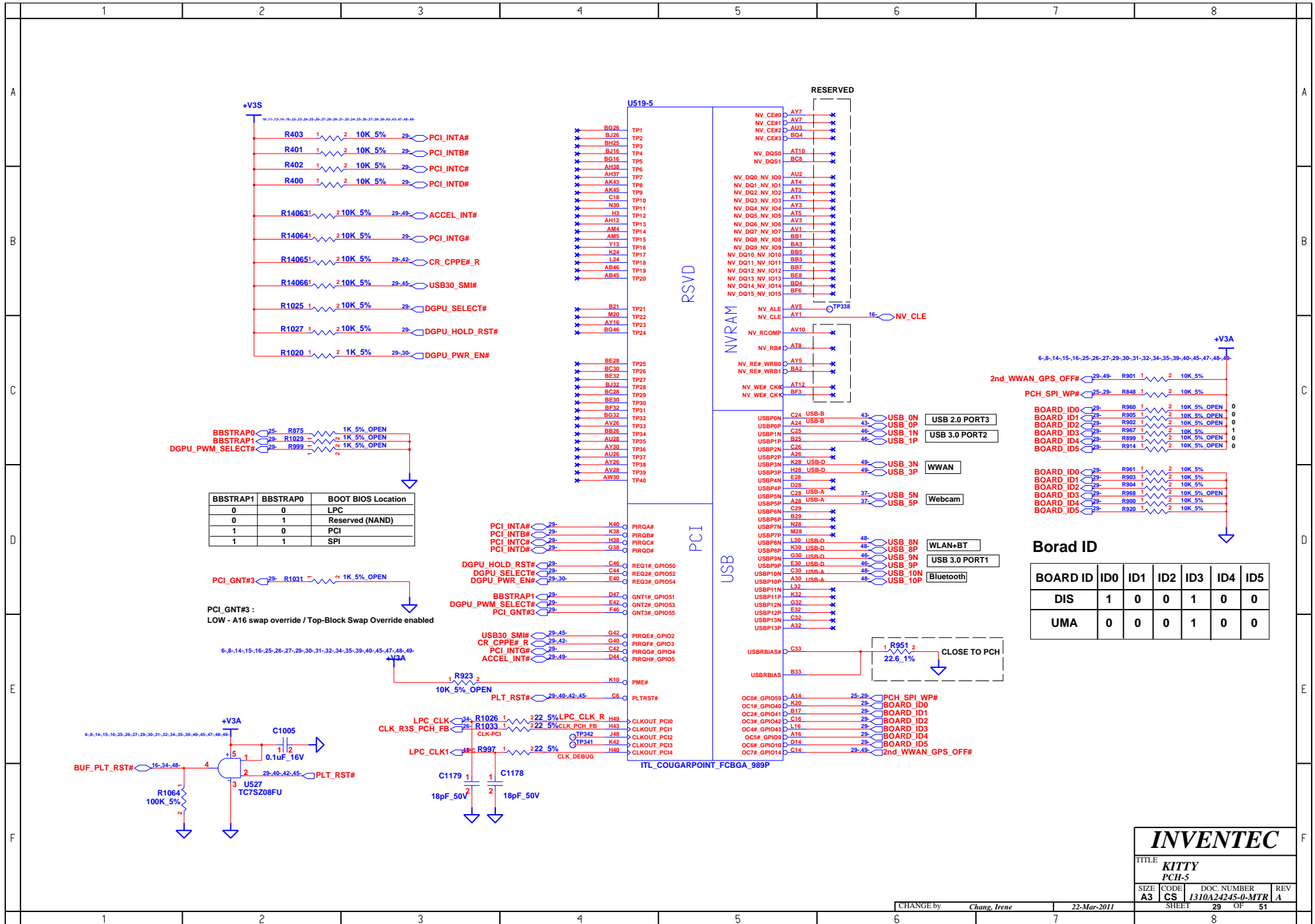
SHEET 24 OF 51







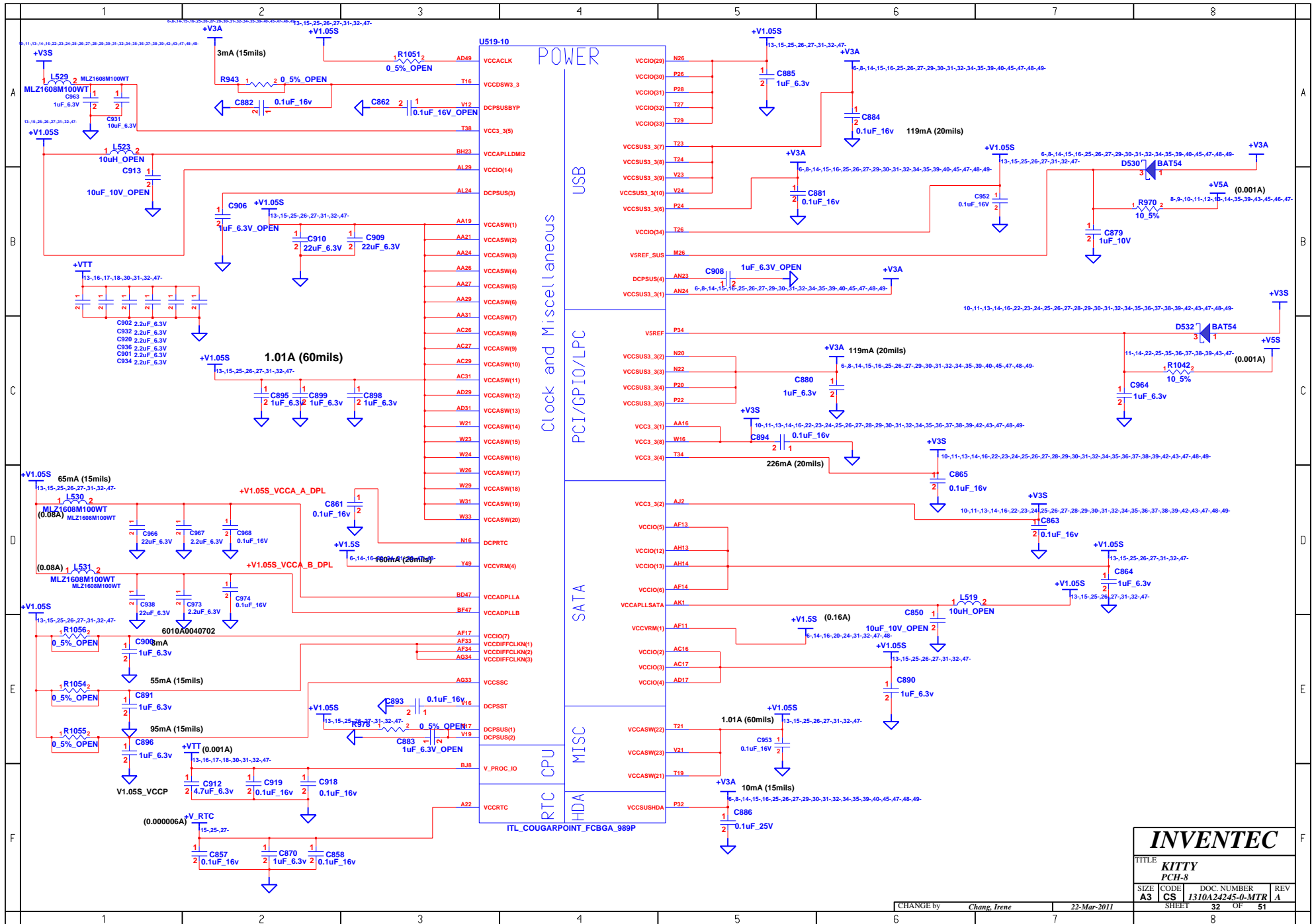




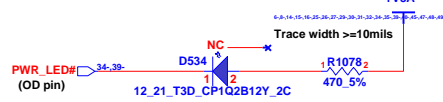
INVENTEC

TITLE KITTY PCH-5					
SIZE A3	CODE CS	DOC. NUMBER 1310A24245-0-MTR	REV A	SHEET 29 OF 51	

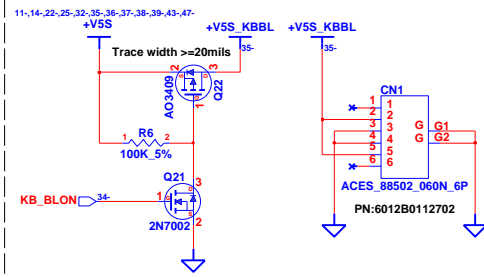
CHANGE by *Chang, Irene* 22-Mar-2011



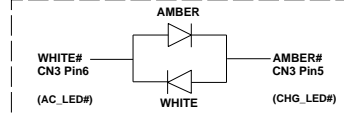
POWER LED



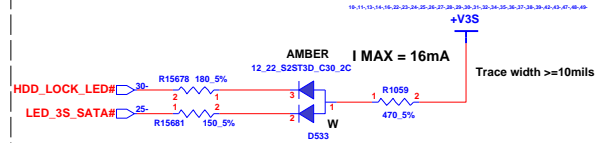
KeyBoard Baklight CONN



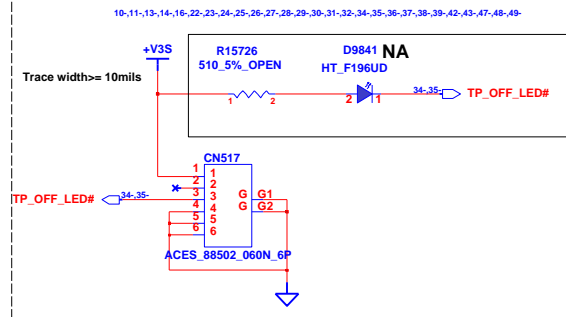
DC-JACK LED



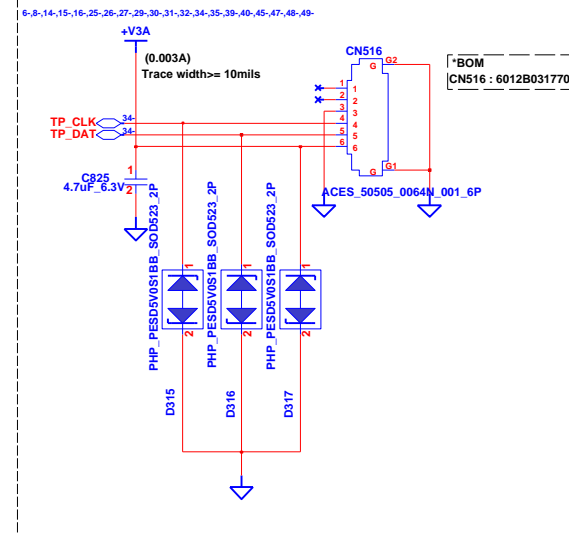
SATA LED & HDD-HALTED LED



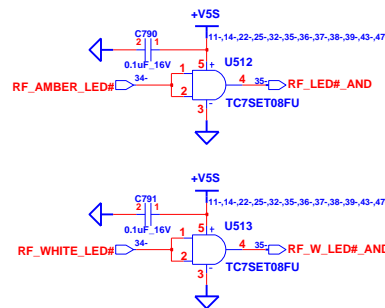
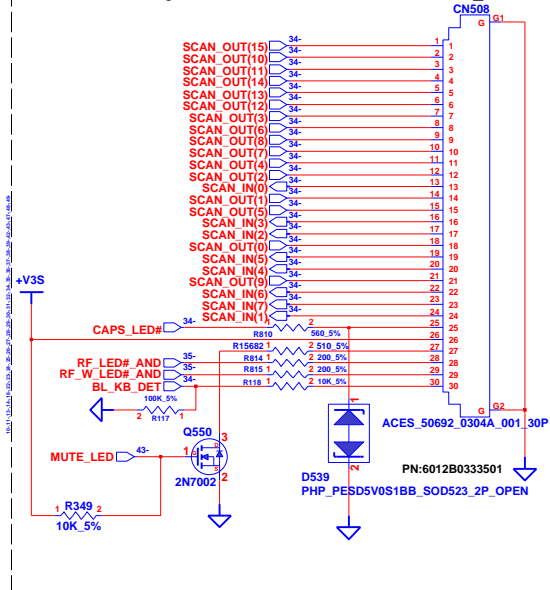
TP LED CONN on MB



TouchPad Module CN on MB



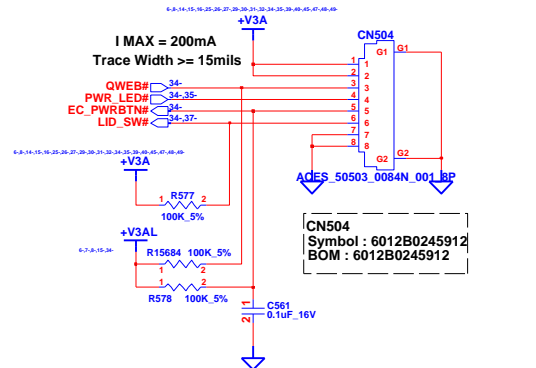
KeyBoard CONN (30 pin)



INVENTEC

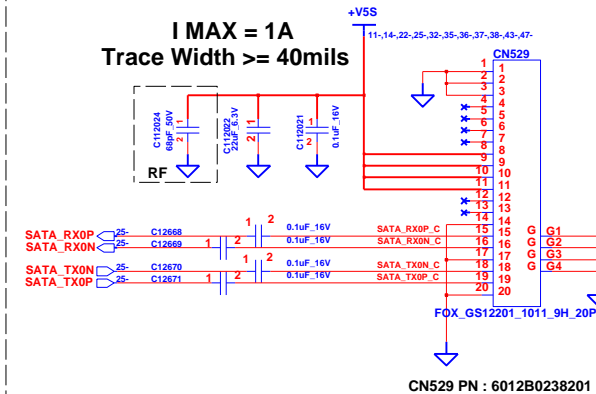
TITLE KITTY Keyboard & TouchPad			
SIZE A3	CODE CS	DOC NUMBER 1310A24245-0-MTR	REV A
CHANGE by <i>Chang, Irene</i>		22-Mar-2011	
SHEET 35		OF 51	

PBN Cable CN on MB



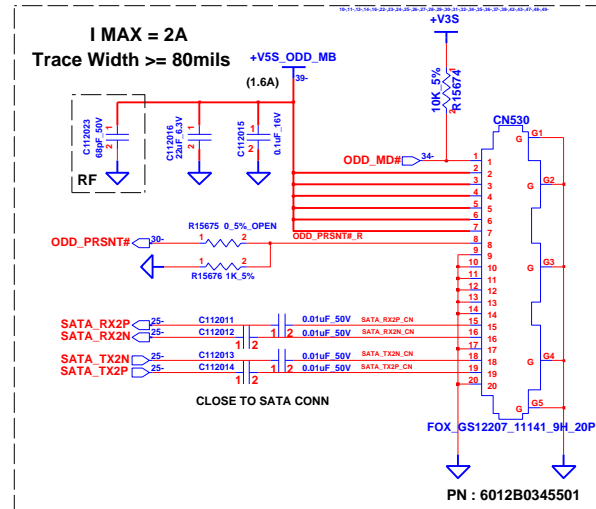
SATA HDD CONN on MB

I MAX = 1A
Trace Width >= 40mils



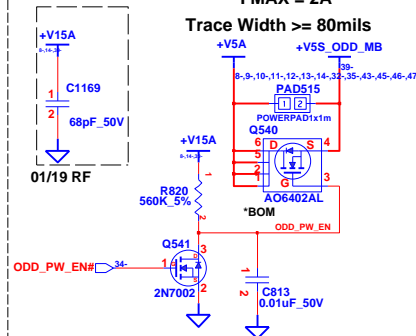
SATA ODD CONN on MB

I MAX = 2A
Trace Width >= 80mils



ZERO ODD PWR CONTROL

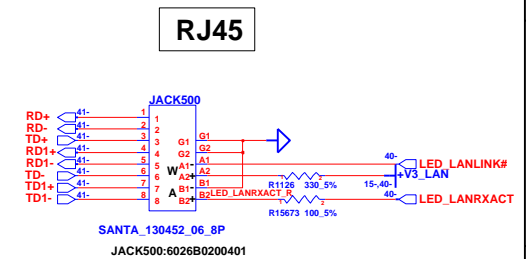
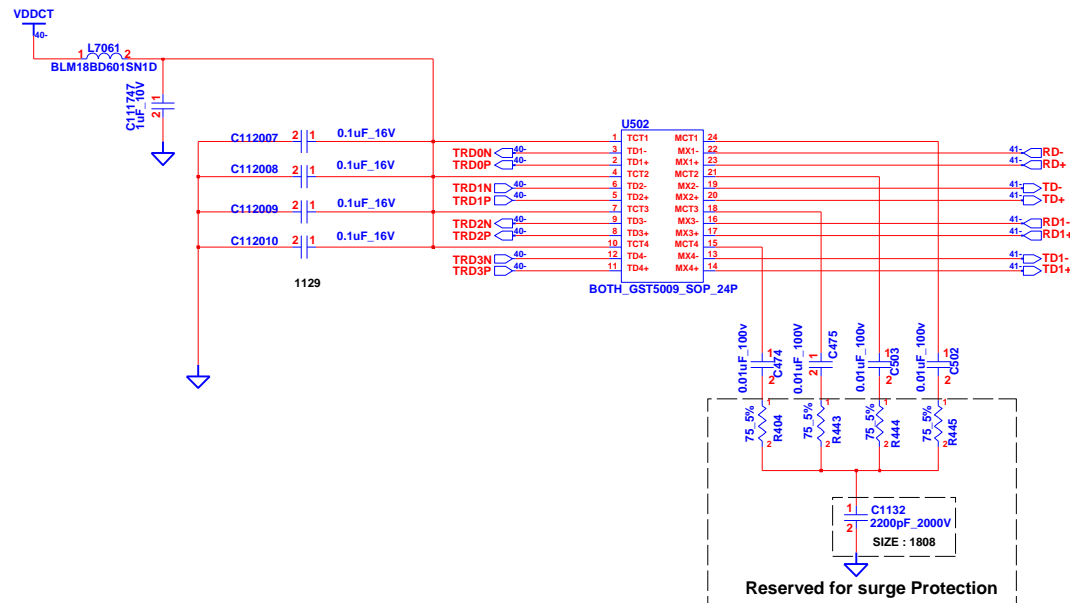
I MAX = 2A
Trace Width >= 80mils



INVENTEC

TITLE KITTY SATA HDD & ODD			
SIZE A3	CODE CS	DOC. NUMBER 1310A24245-0-MTR	REV A
SHEET 39		OF 51	

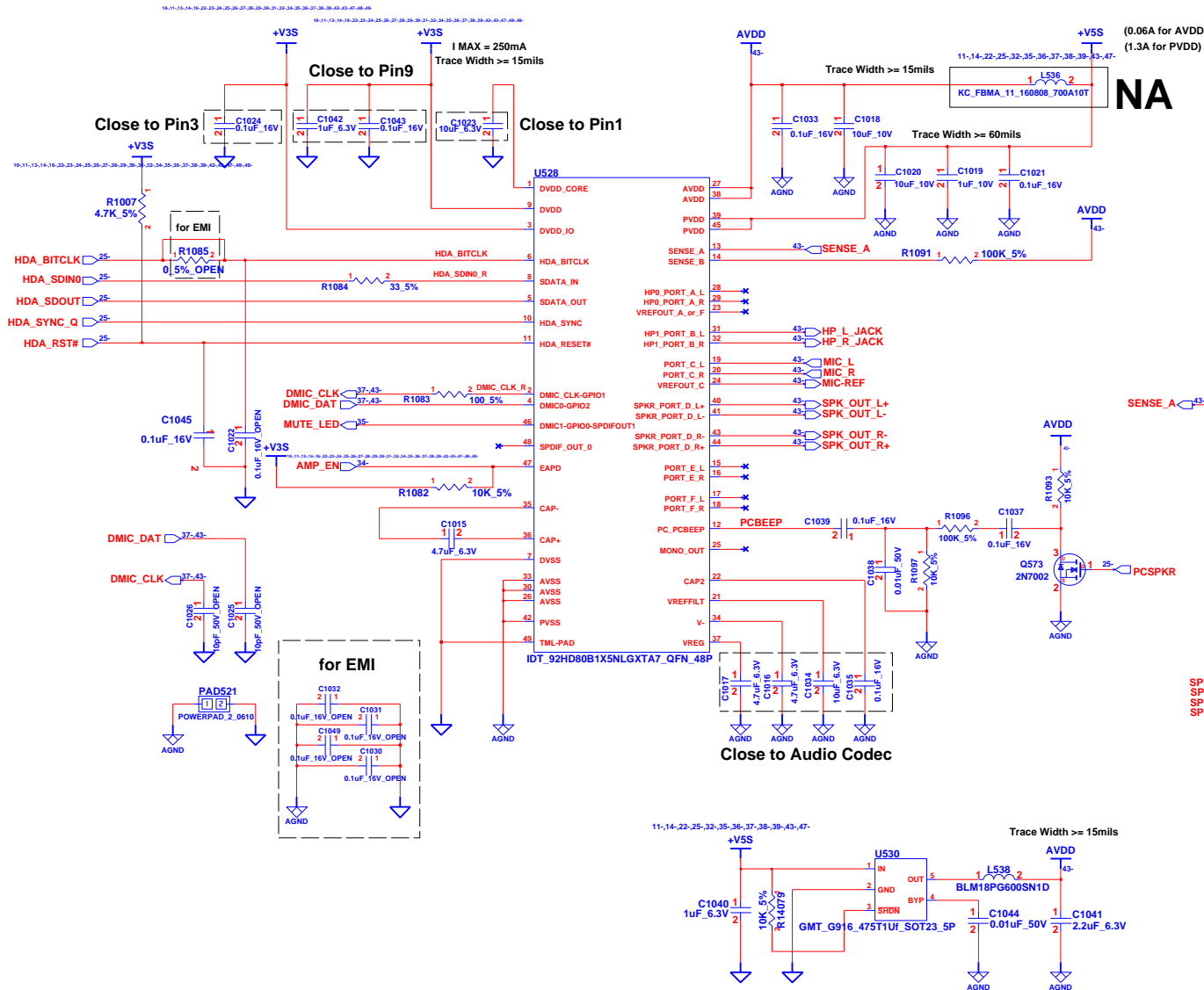
CHANGE by *Chang, Irene* 22-Mar-2011



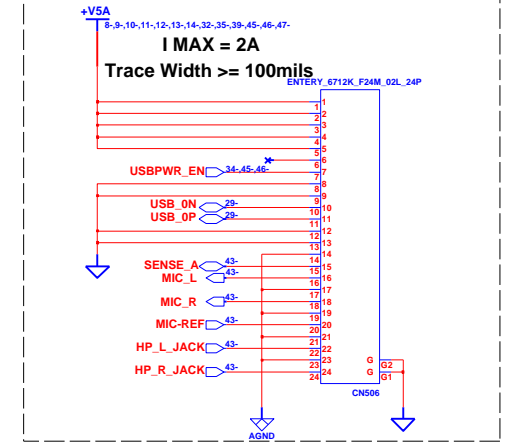
LAYOUT NOTE : Place termination resistors and caps as close to LAN controller as possible

INVENTEC			
TITLE KITTY RJ-45			
SIZE A3	CODE CS	DOC. NUMBER 1310A24245-0-MTR	REV A
CHANGE by Chang, Irene		22-Mar-2011	
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*BOM 6019B0825801

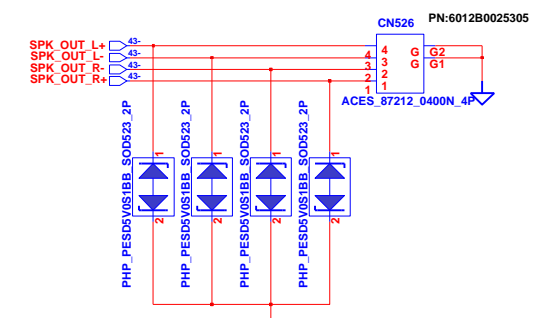


USB + AUDIO BOARD Cable on MB



PORT	Discription	Sense
A	NO USE	
B	Headphone	HPS
C	Microphone	MICS
D	SPKR	
E	NO USE	
F	NO USE	

INT-SPEAKER CONN



INVENTEC

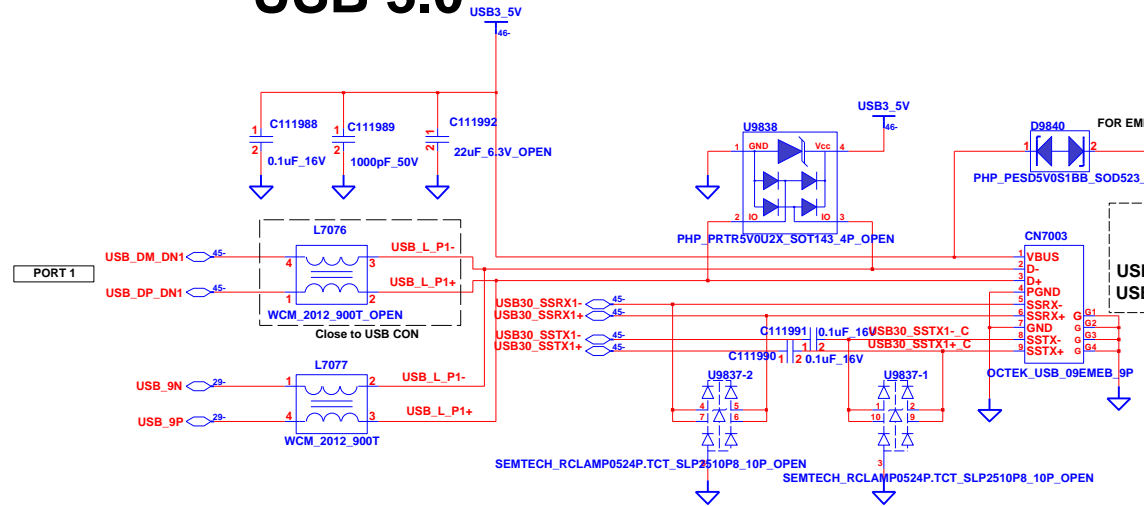
TITLE KITTY Audio Codec			
SIZE A3	CODE CS	DOC. NUMBER 1310A24245-0-MTR	REV A
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CHANGE by: Chang, Irene 22-Mar-2011

	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	

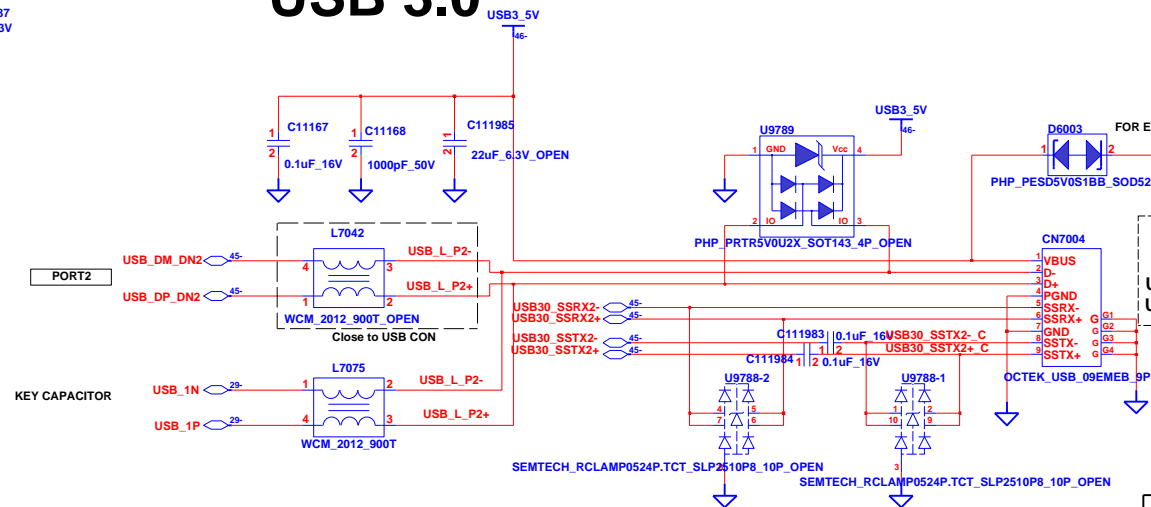
INVENTEC			
TITLE KITTY HP JACK & MIC JACK			
SIZE A3	CODE CS	DOC. NUMBER 1310A24245-0-MTR	REV A
CHANGE by Chang, Irene		22-Mar-2011	
SHEET 44		OF 51	

USB 3.0

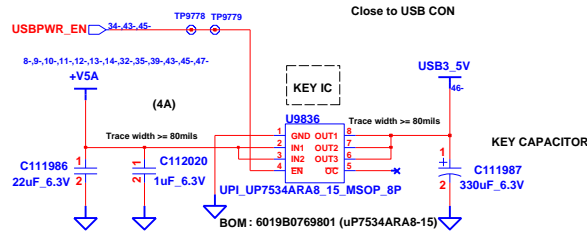


***BOM
CN7003**
USB3.0 PN:6012B0381401
USB2.0 PN:6012B0381501

USB 3.0



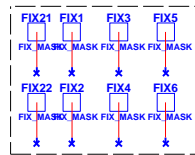
***BOM
CN7004**
USB3.0 PN:6012B0381401
USB2.0 PN:6012B0381501



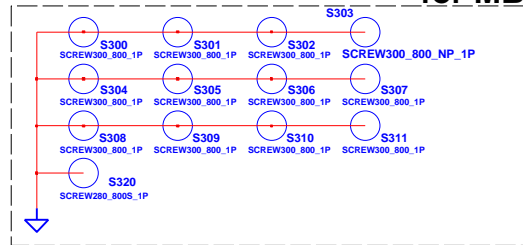
KEY CAPACITOR

INVENTEC

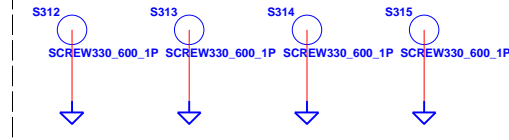
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CHANGE by Chang, Irene		22-Mar-2011	
SHEET 46		OF 51	



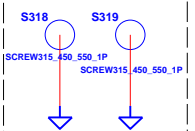
for MB



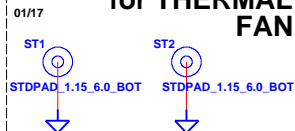
CPU's screws



for PCH



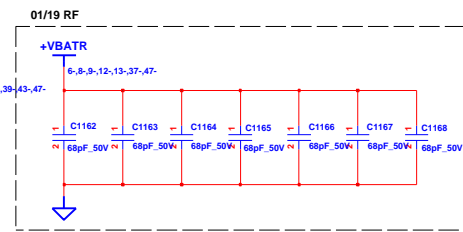
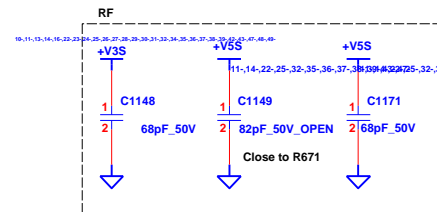
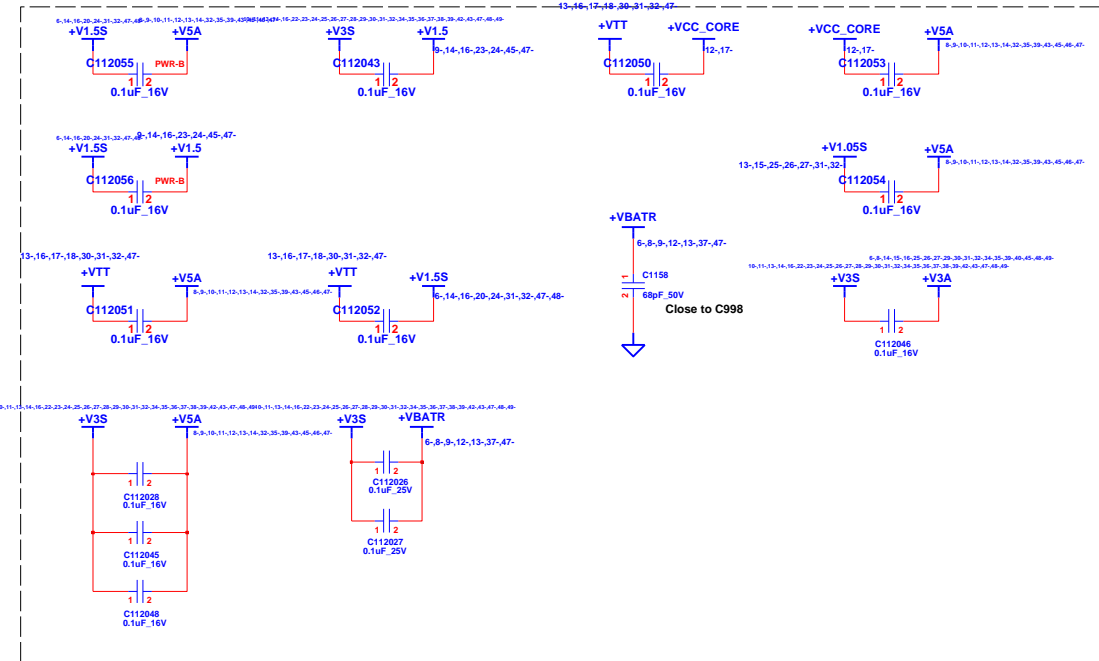
for THERMAL FAN



NUT P/N :
6052B0095601

*BOM

EMI



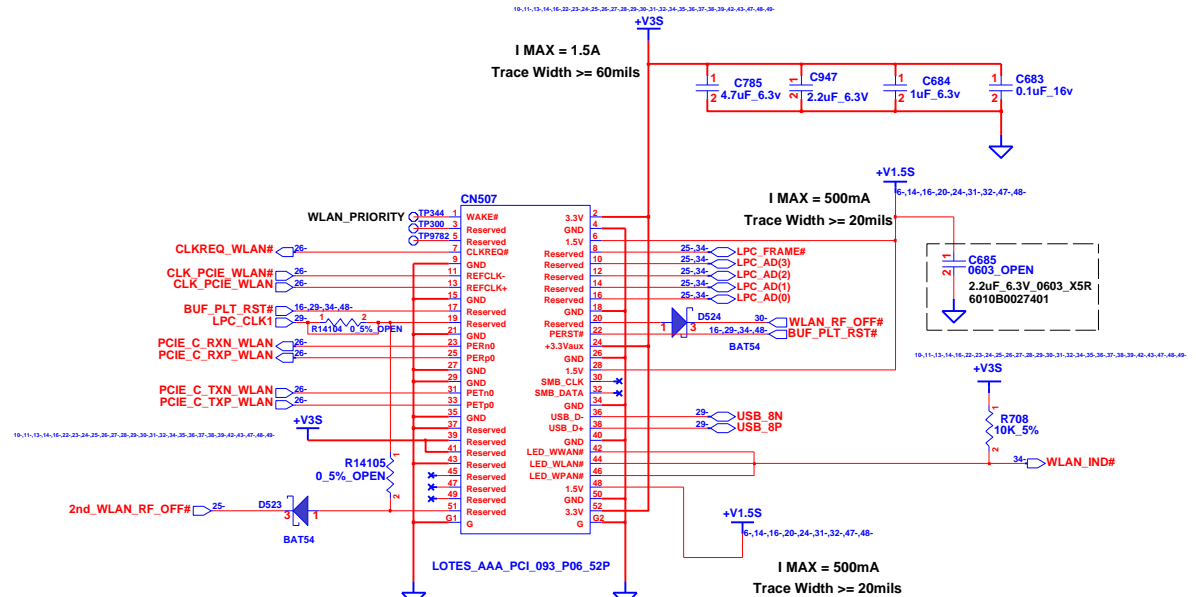
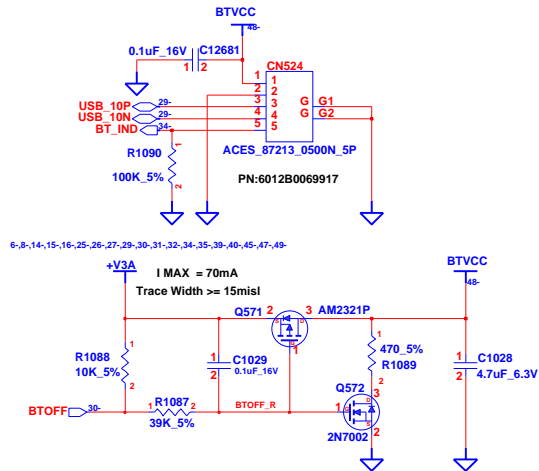
INVENTEC

TITLE			
KITTY SCREW & CONN			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A24245-0-MTR	A
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CHANGE by *Chang, Irene* 22-Mar-2011

WLAN CONN (MINICARD)

BLUETOOTH CONN



*BOM
CN507 : 6026B0184301

INVENTEC

TITLE KITTY WLAN, BT & WebCAM			
SIZE A3	CODE CS	DOC NUMBER 1310A24245-0-MTR	REV A
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CHANGE by *Chang, Irene* 22-Mar-2011

UMA WWAN stuff
Discrete WWAN NA

HARDDRIVE PROTECTION

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* BOM
U15 : 6019B0800501

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SMBus Address is "001100xb"
If SA0 pad is connected to voltage, Lsb is '1'
If SA0 pad is connected to GND, Lsb is '0'

INVENTEC

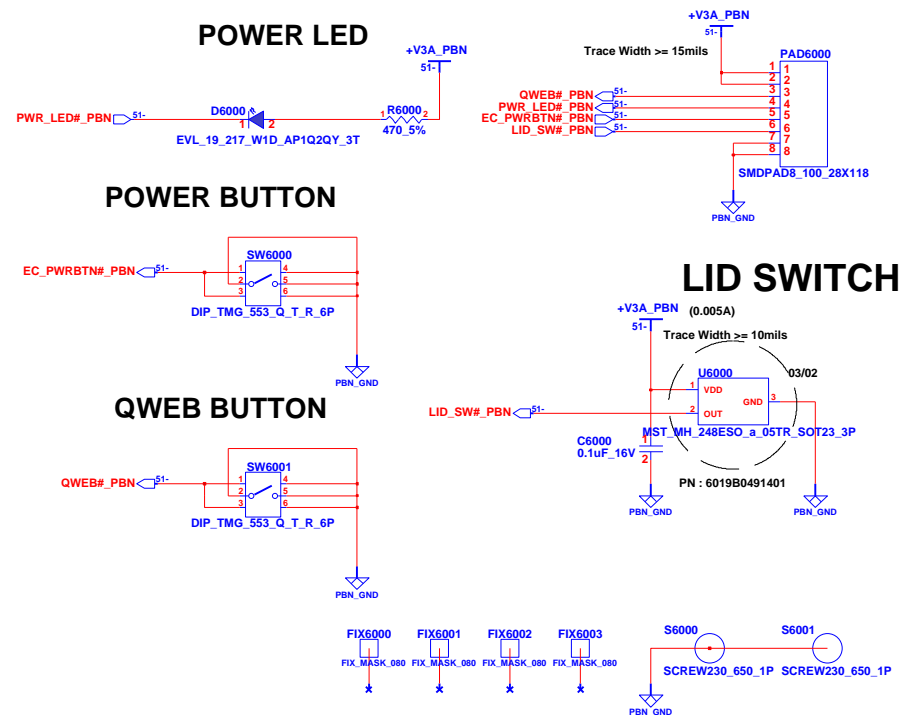
TITLE	<i>KITTY USB CONN</i>
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SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A24245-0-MTR	A
SHEET 49 OF 51			

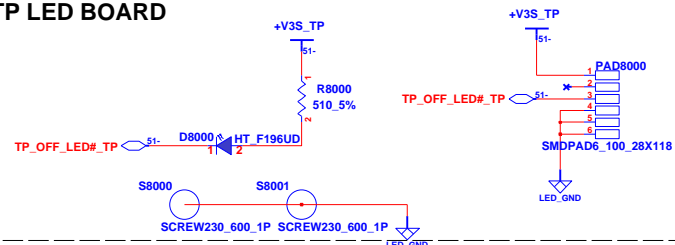
CHANGE by	<i>Chang, Irene</i>	<i>22-Mar-2011</i>
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9

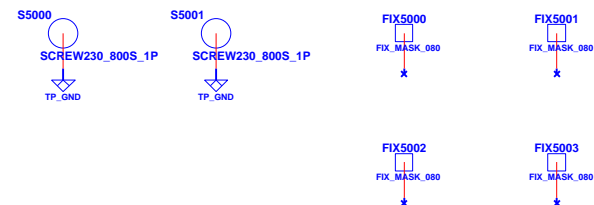
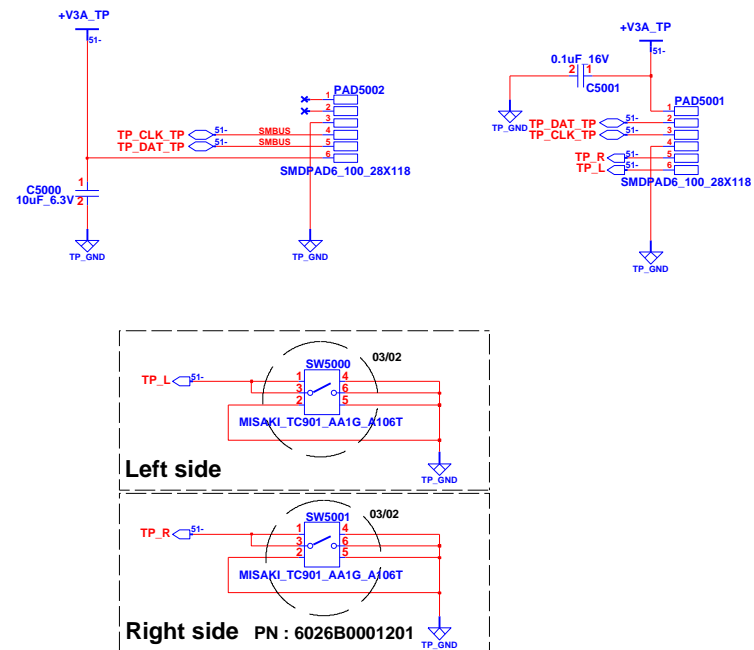
POWER BOTTON BOARD



TP LED BOARD



PICK BUTTON BOARD



INVENTEC

TITLE
KITTY

SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A24245-0-MTR	A

CHANGE by: Chang, Irene 22-Mar-2011

SHEET 51 OF 51