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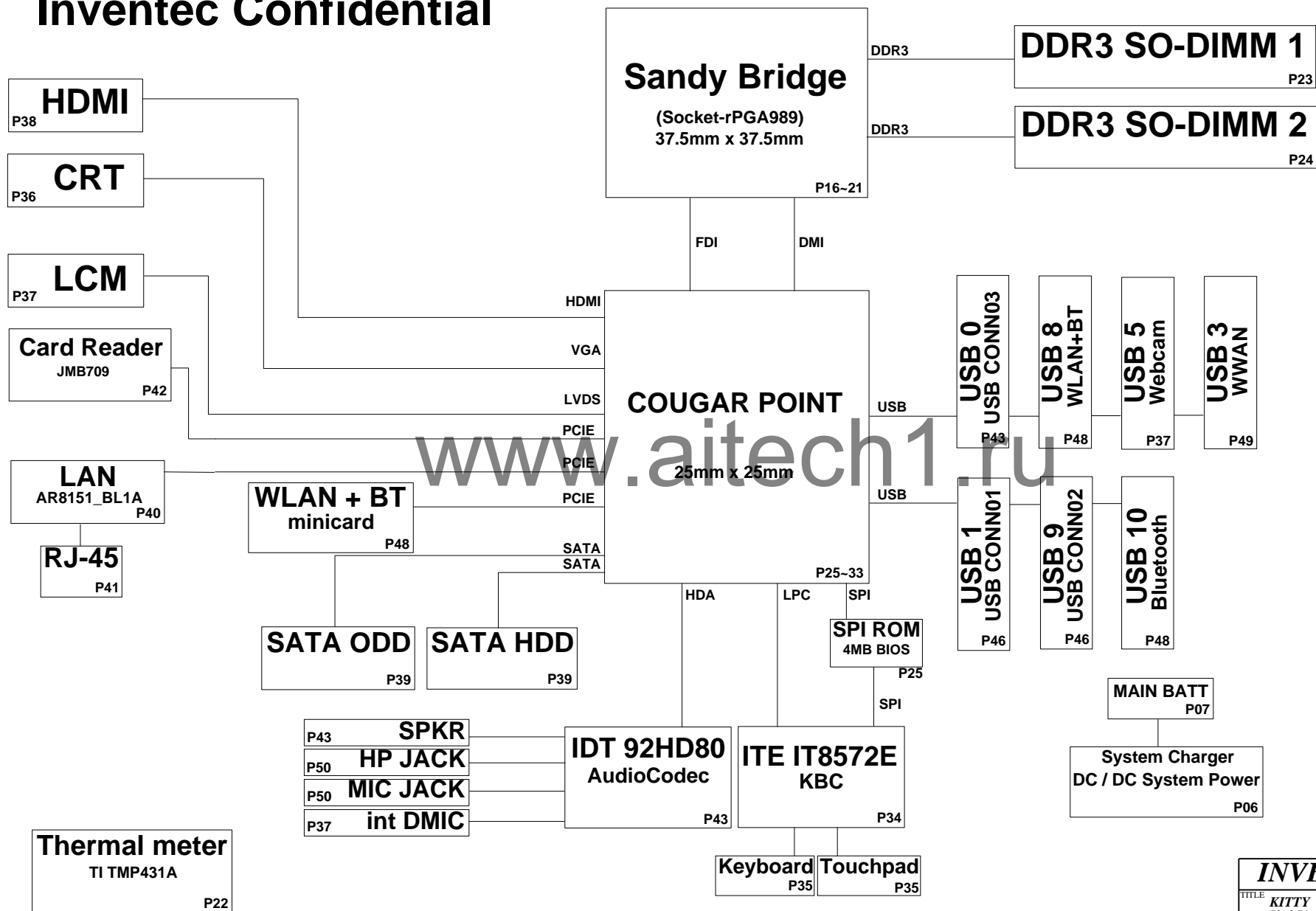
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INVENTEC

TITLE			
KITTY Index			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A24245-0-MTR	A02
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CHANGE by *Chang, Irene* 7-Mar-2011

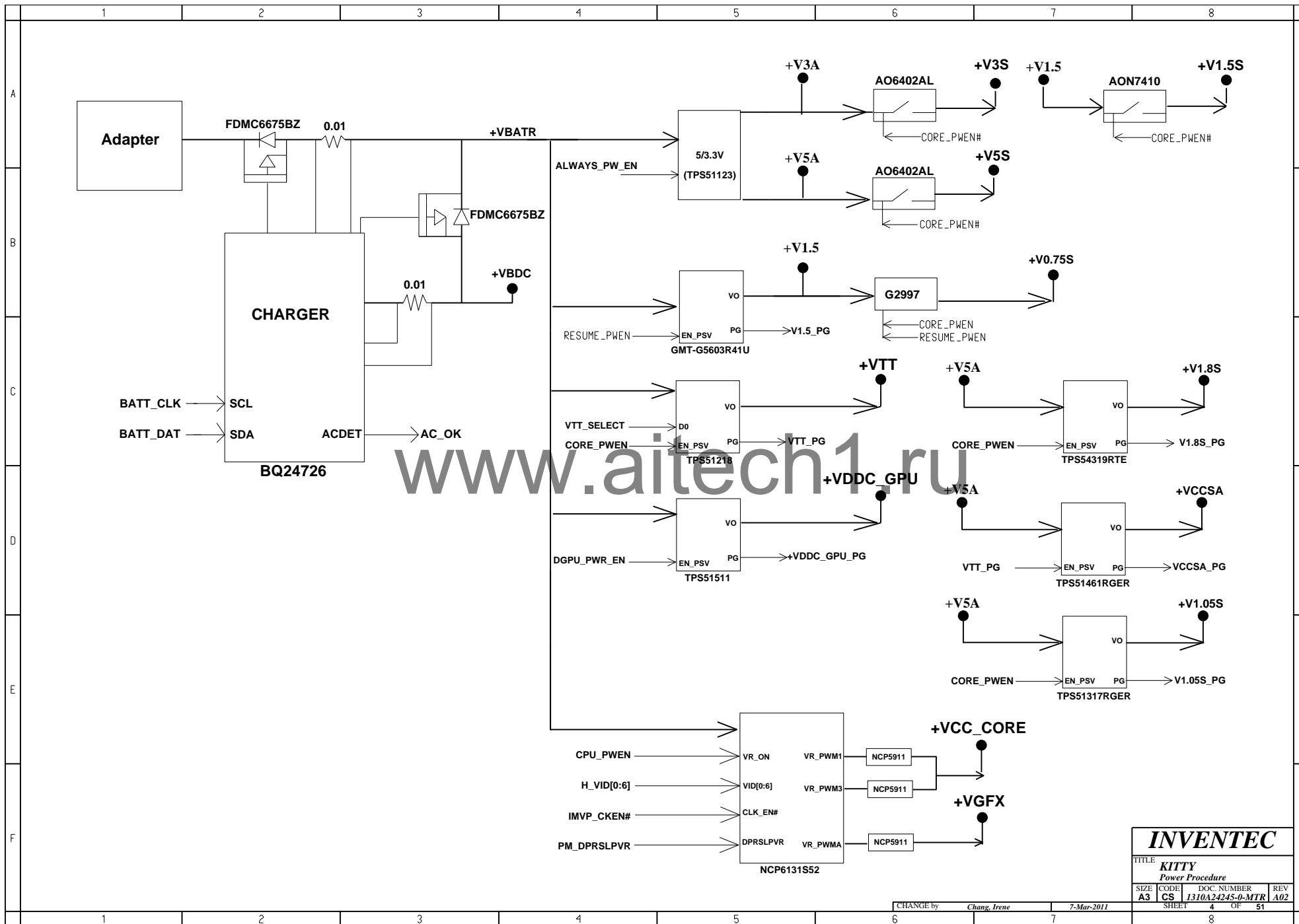
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TITLE KITTY Block Diagram			
SIZE A3	CODE CS	DOC. NUMBER 1310A24245-0-MTR	REV A02
SHEET 3		OF 51	

CHANGE by *Chang, Irene* 7-Mar-2011



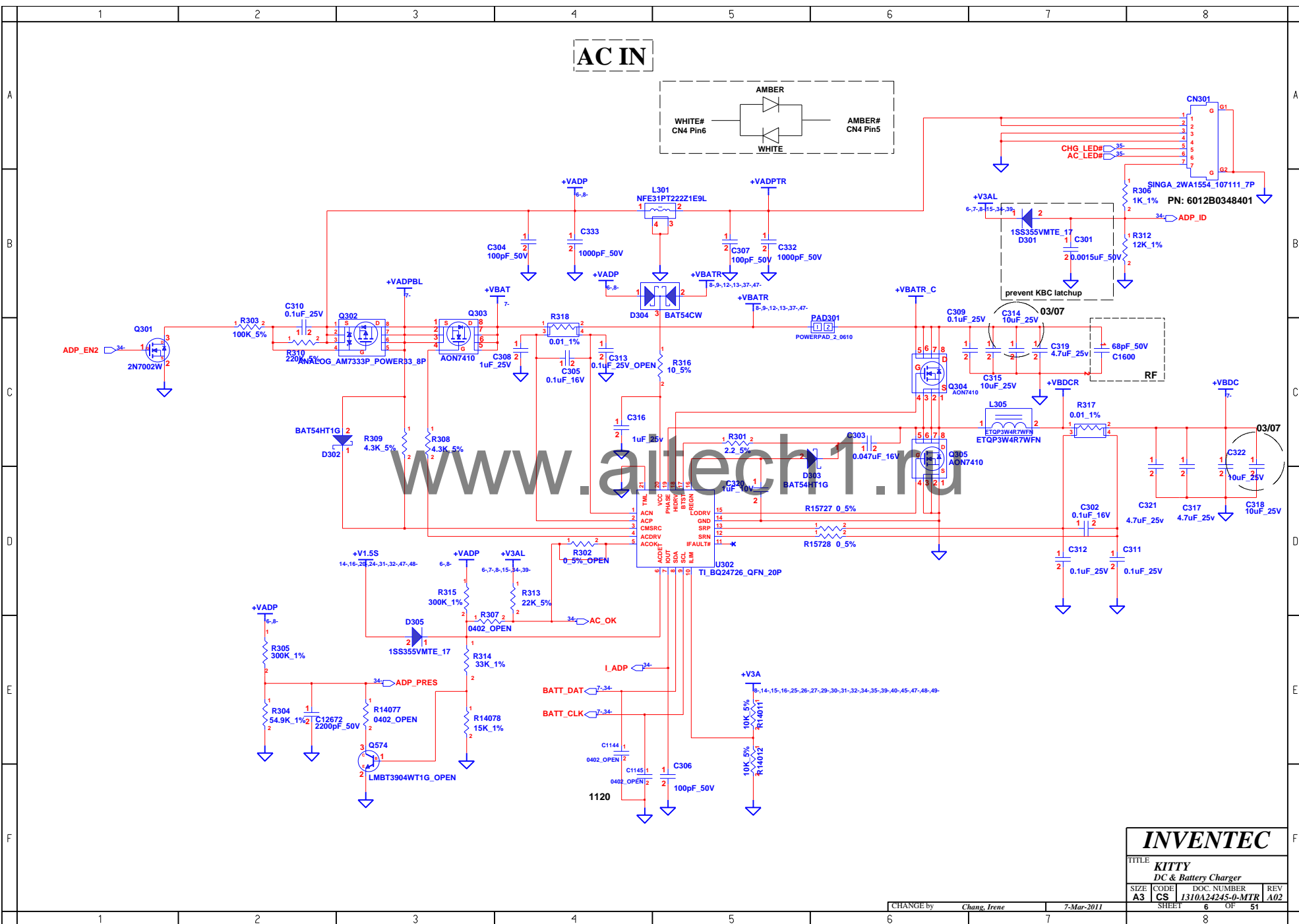


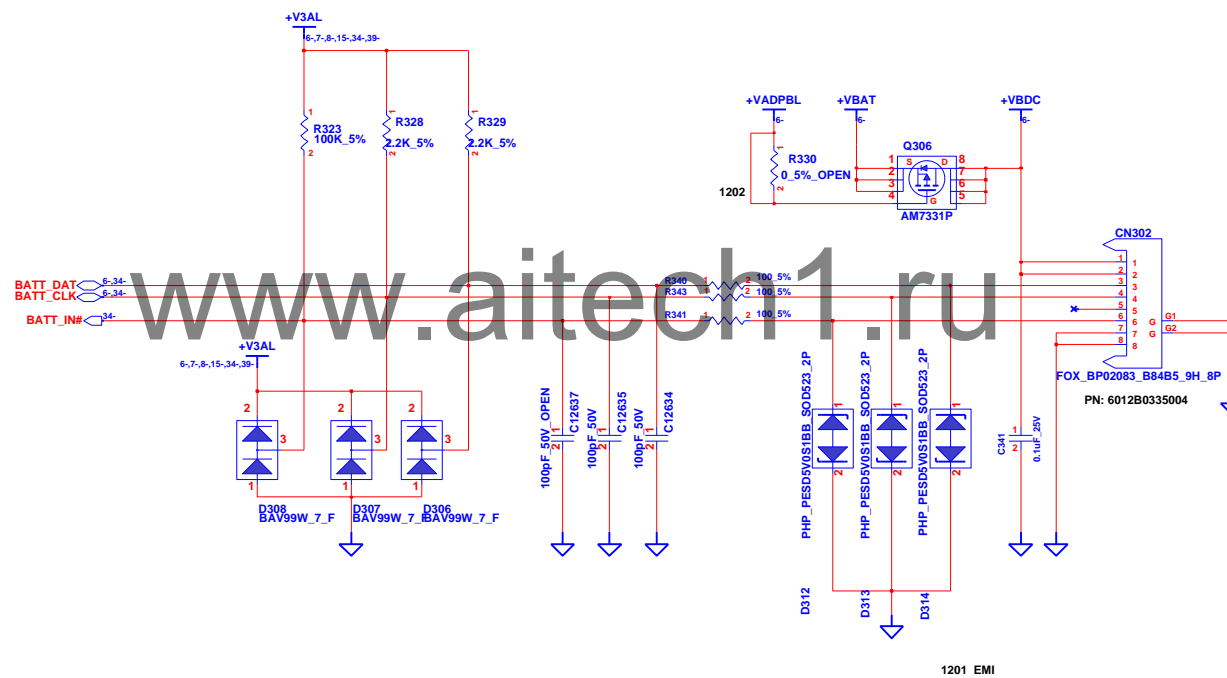
INVENTEC

TITLE
KITTY

SIZE A3	CODE CS	DOC. NUMBER 1310A24245-0-MTR	REV A02
SHEET 5		OF 51	

CHANGE by *Chang, Irene* 7-Mar-2011





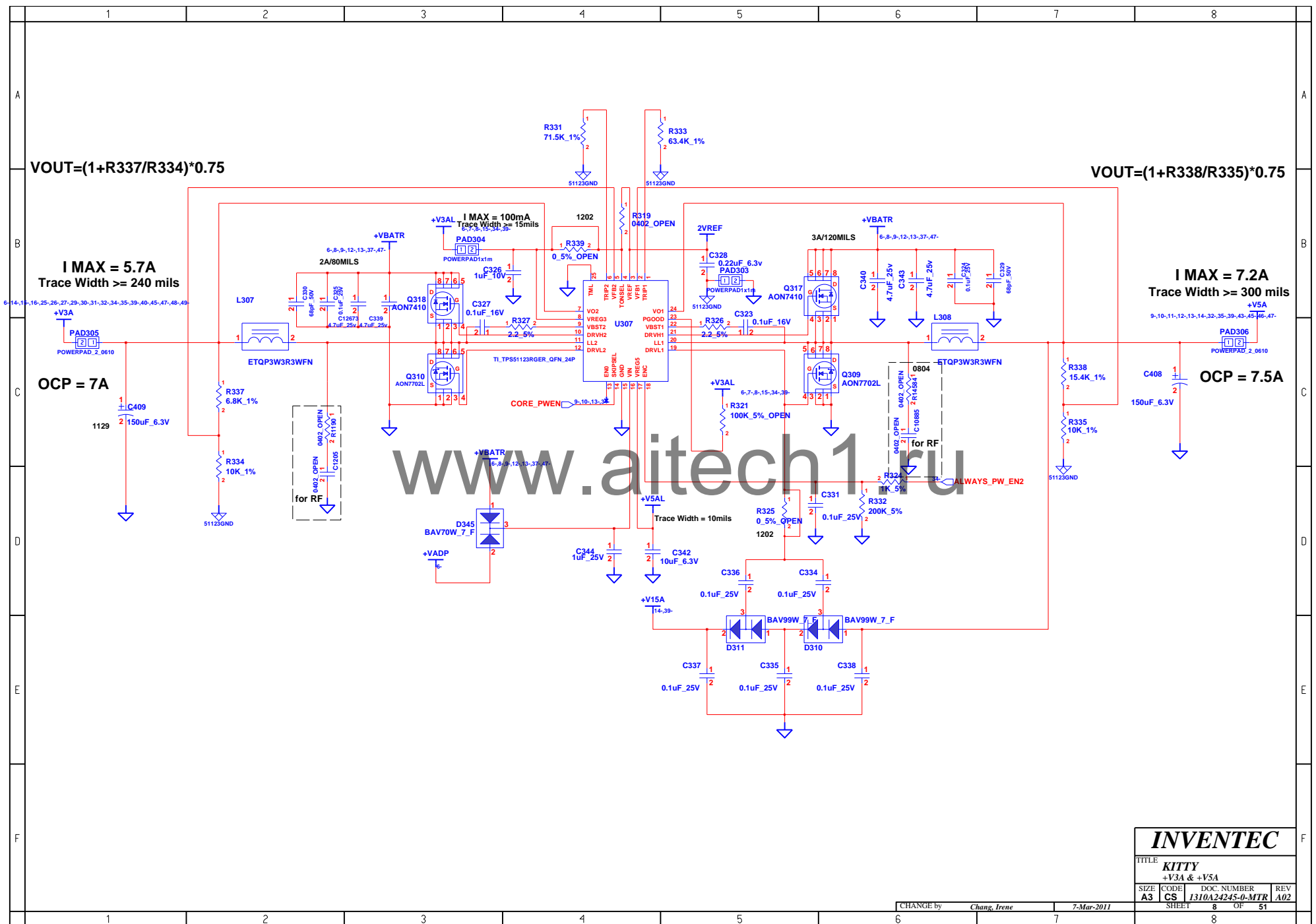
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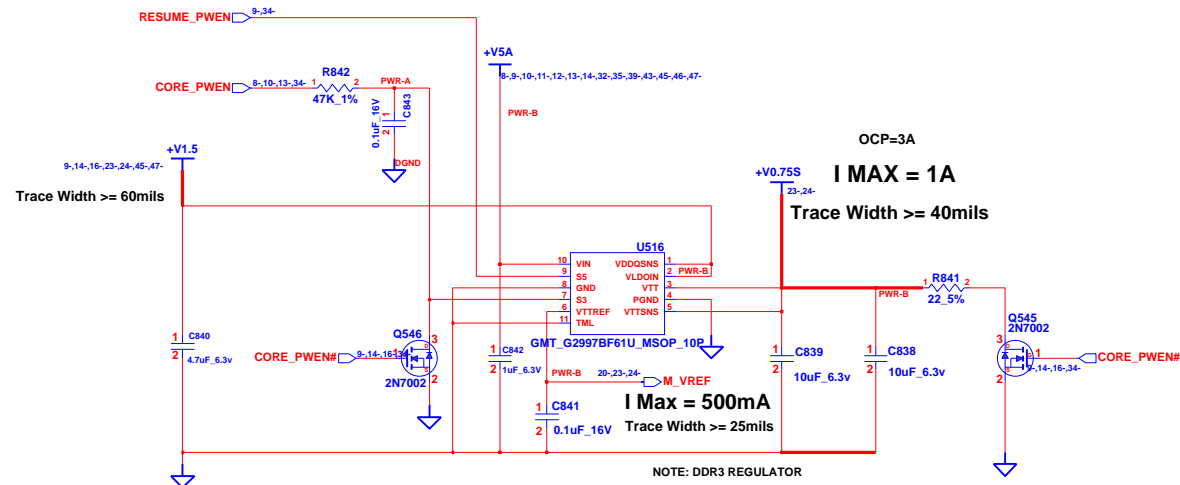
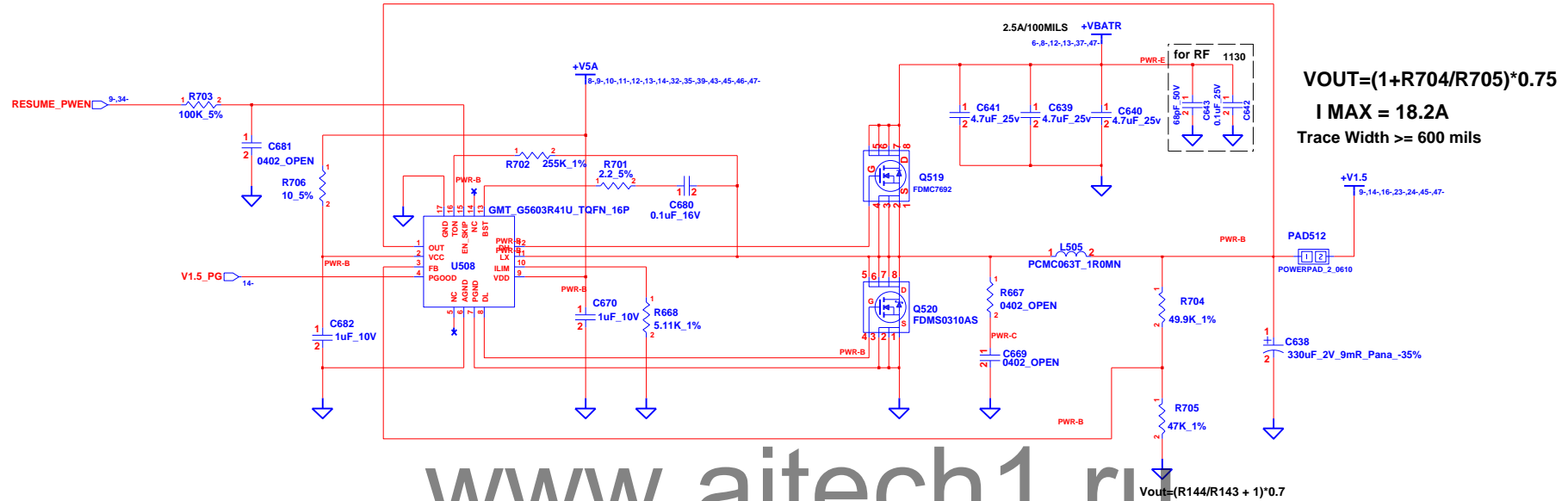
TITLE
KITTY
Battery CONN

SIZE A3	CODE CS	DOC. NUMBER 1310A24245-0-MTR	REV A02
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CHANGE by *Chang, Irene* 7-Mar-2011

SHEET 7 OF 51

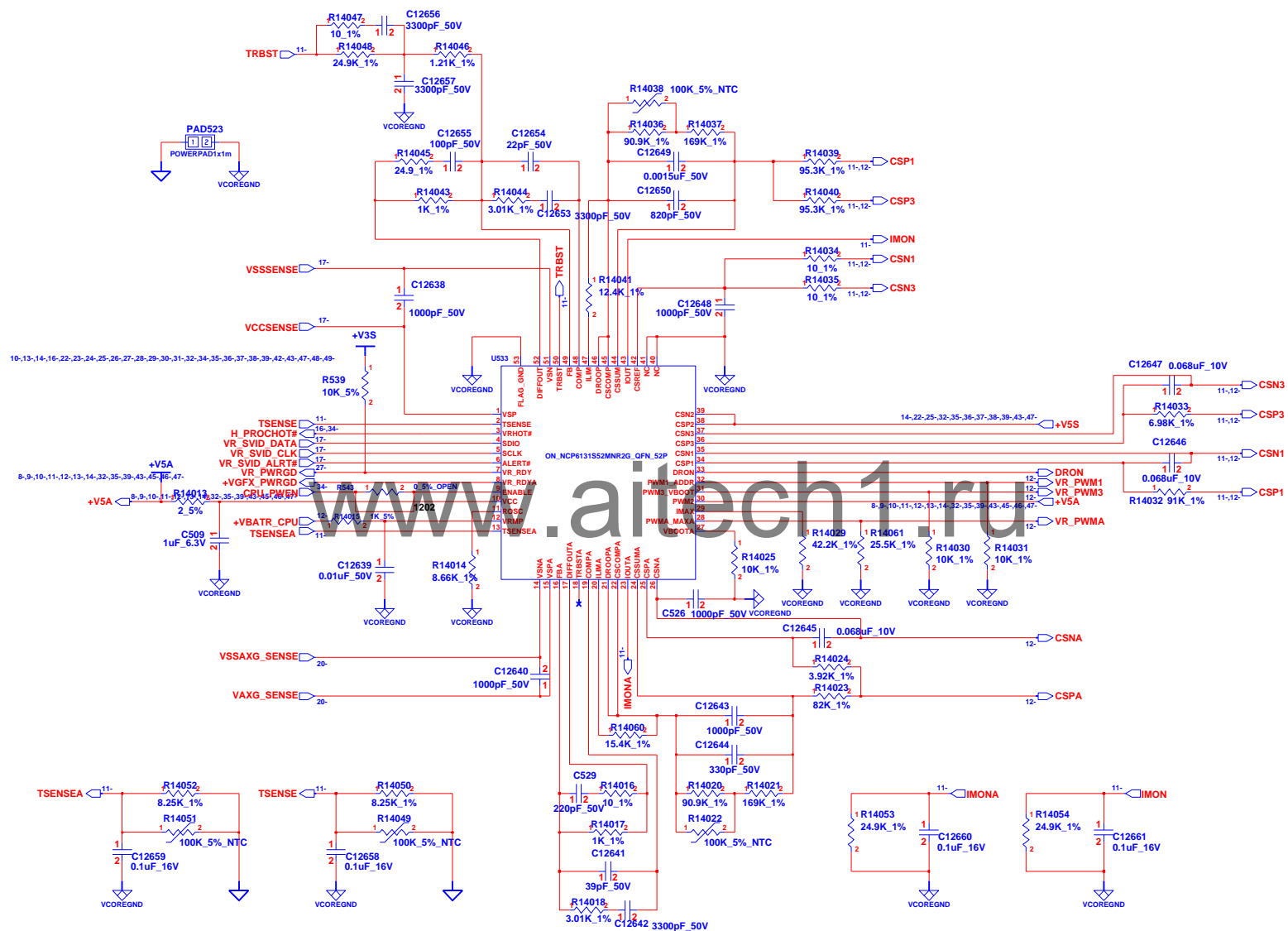




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TITLE KITTY +V1.5 & +V0.75			
SIZE A3	CODE CS	DOC. NUMBER 1310A24245-0-MTR	REV A02
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CHANGE by *Chang, Irene* 7-Mar-2011

**INVENTEC**

TITLE	<i>KITTY</i> <i>+VCC_CORE</i>
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SIZE A3	CODE CS	DOC. NUMBER 1310A24245-0-MTR	REV A02
SHEET 11 OF 51			

CHANGE by	<i>Chang, Irene</i>	<i>7-Mar-2011</i>
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8

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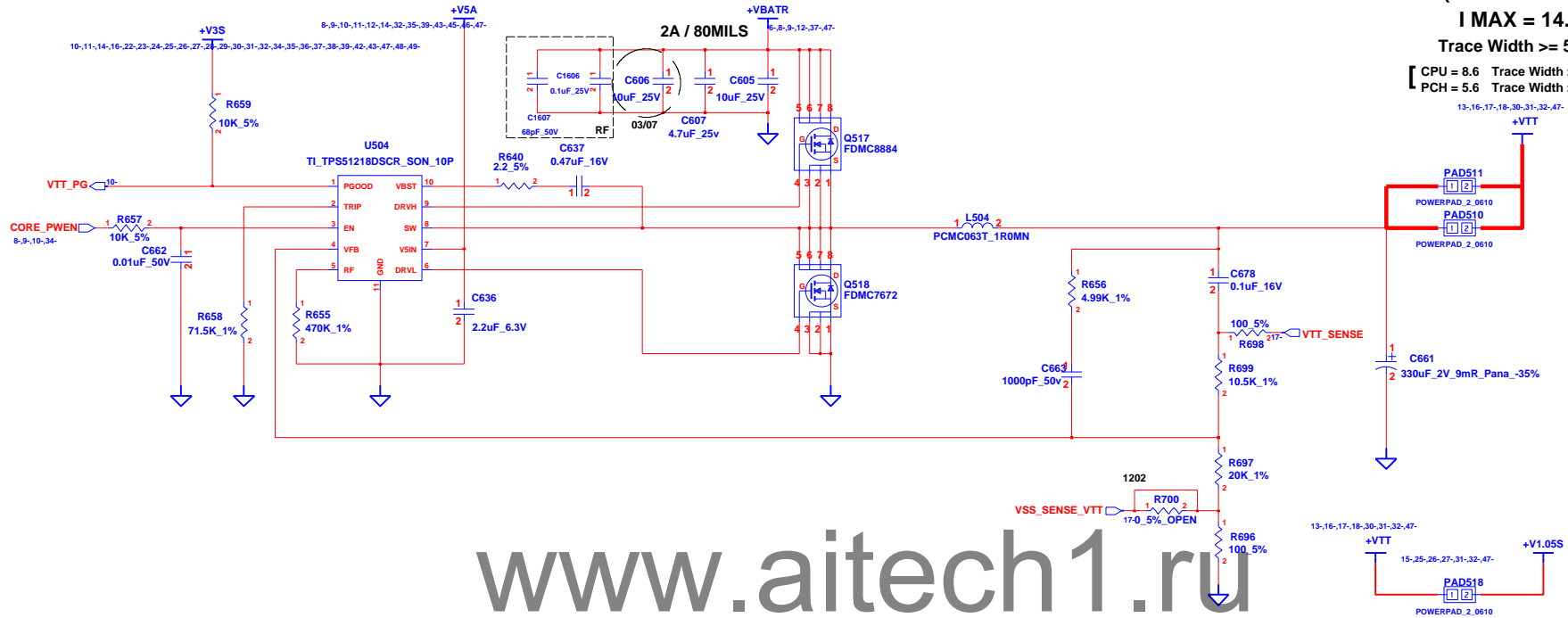
10/31 DEL +V1.05S

$$V_{OUT} = (1 + R_{699}/R_{697}) * 0.7$$

$$I_{MAX} = 14.2A$$

Trace Width >= 580mils

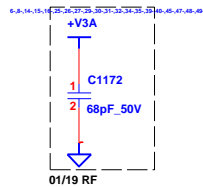
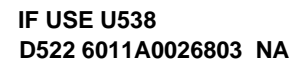
[CPU = 8.6 Trace Width >= 340mils
PCH = 5.6 Trace Width >= 240mils]



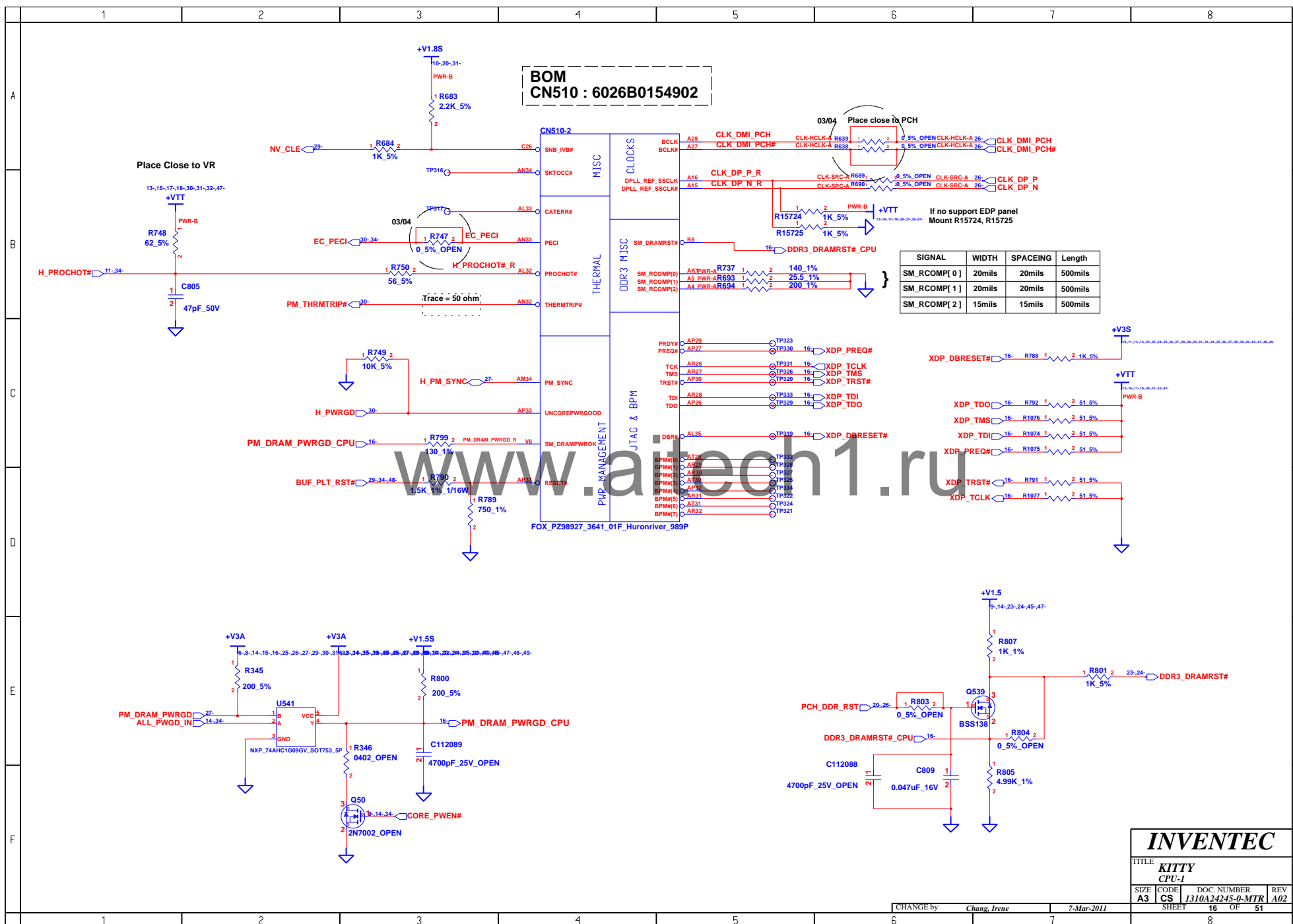
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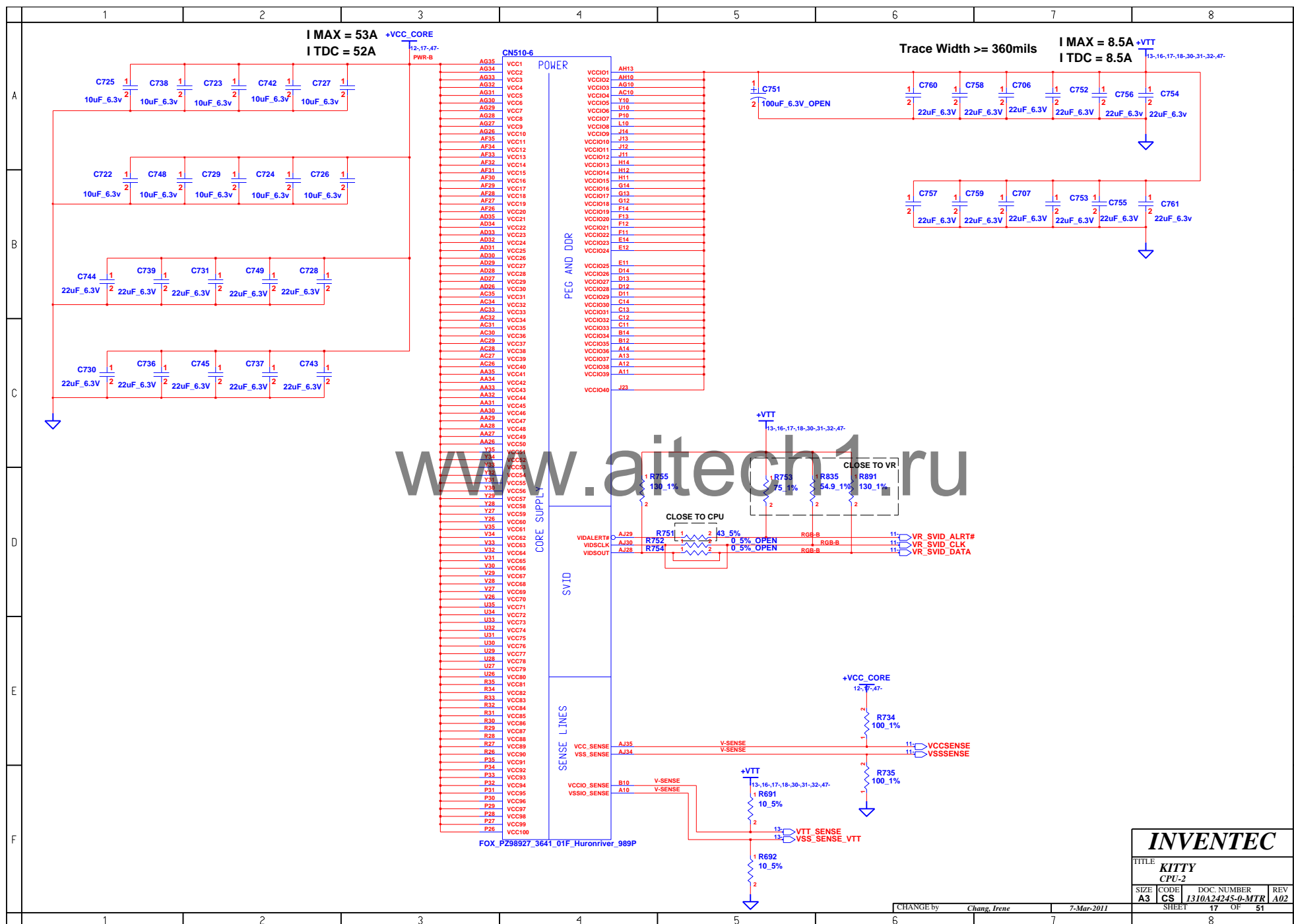
TITLE KITTY VTT & V1.05S			
SIZE A3	CODE CS	DOC. NUMBER 1310A24245-0-MTR	REV A02
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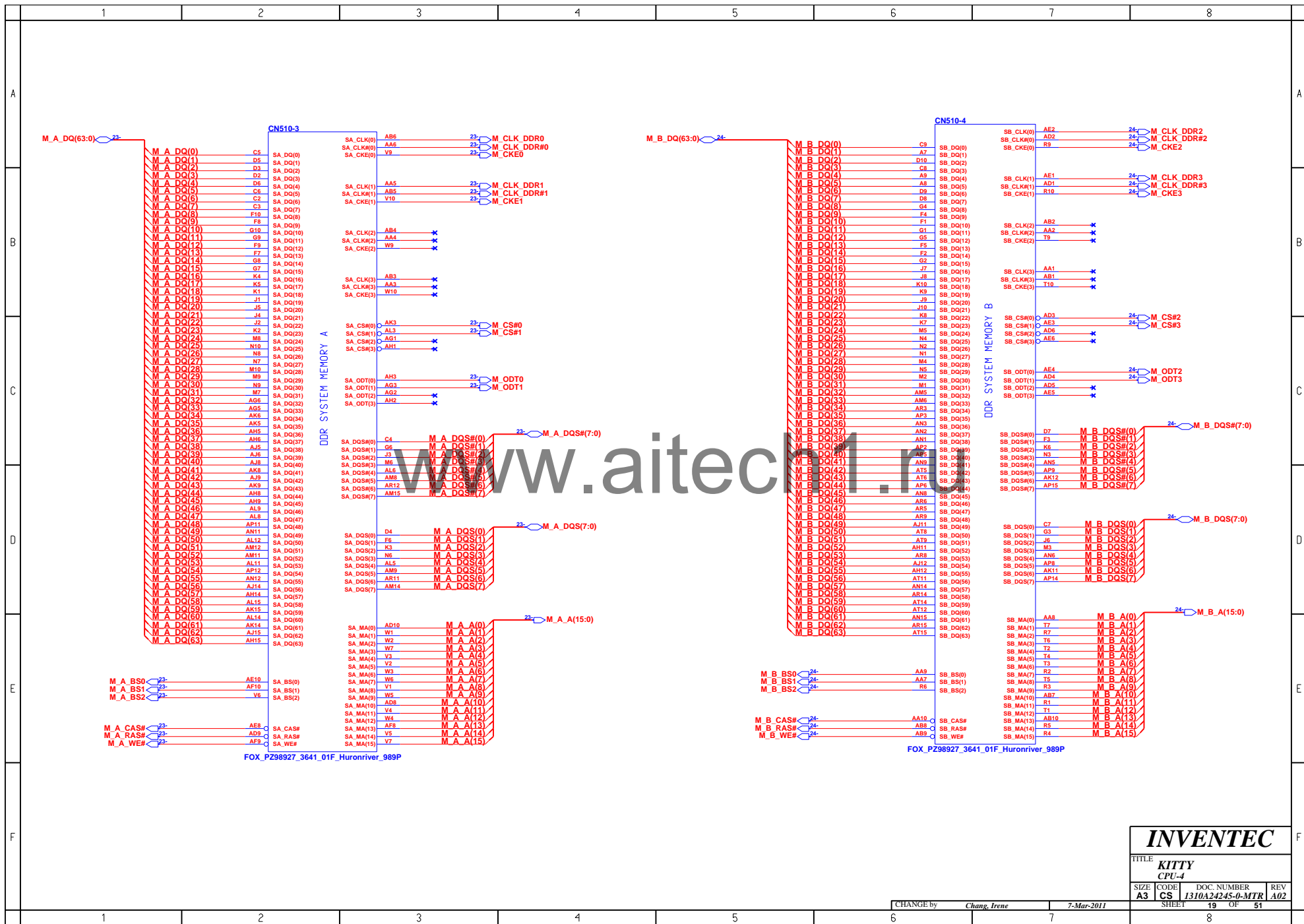
CHANGE by *Chang, Irene* 7-Mar-2011



P/N : 6019B0843401_OPEN



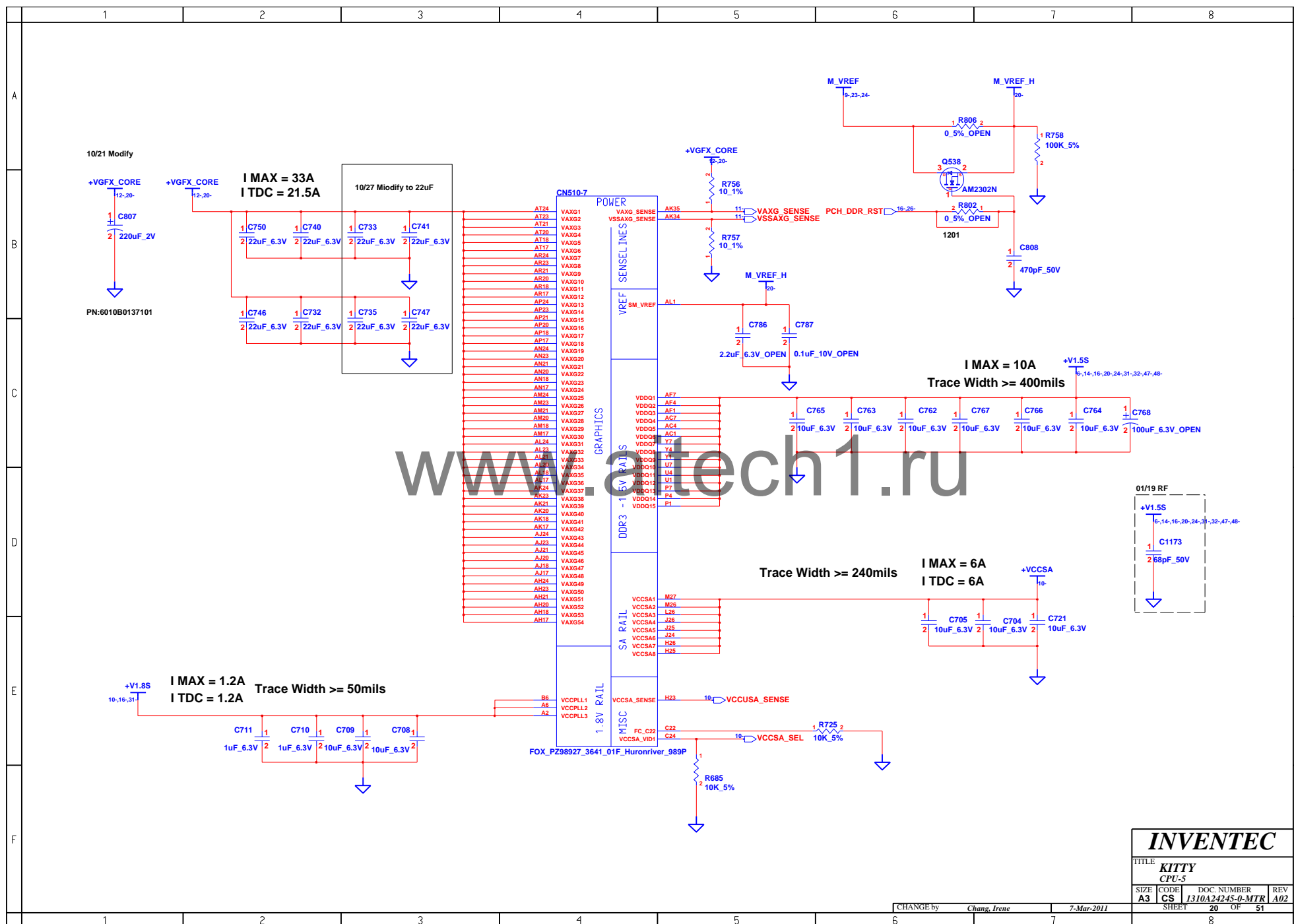


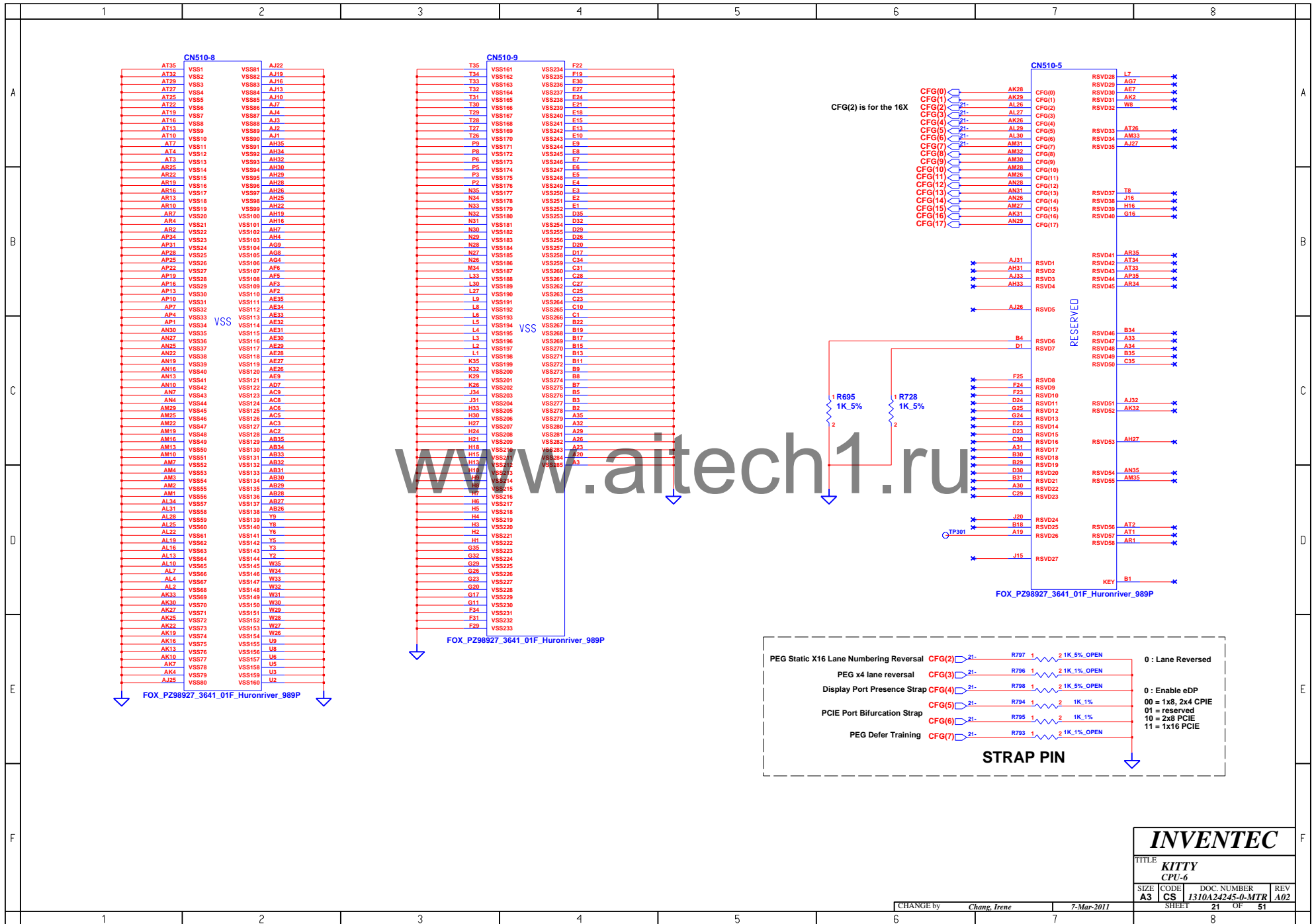


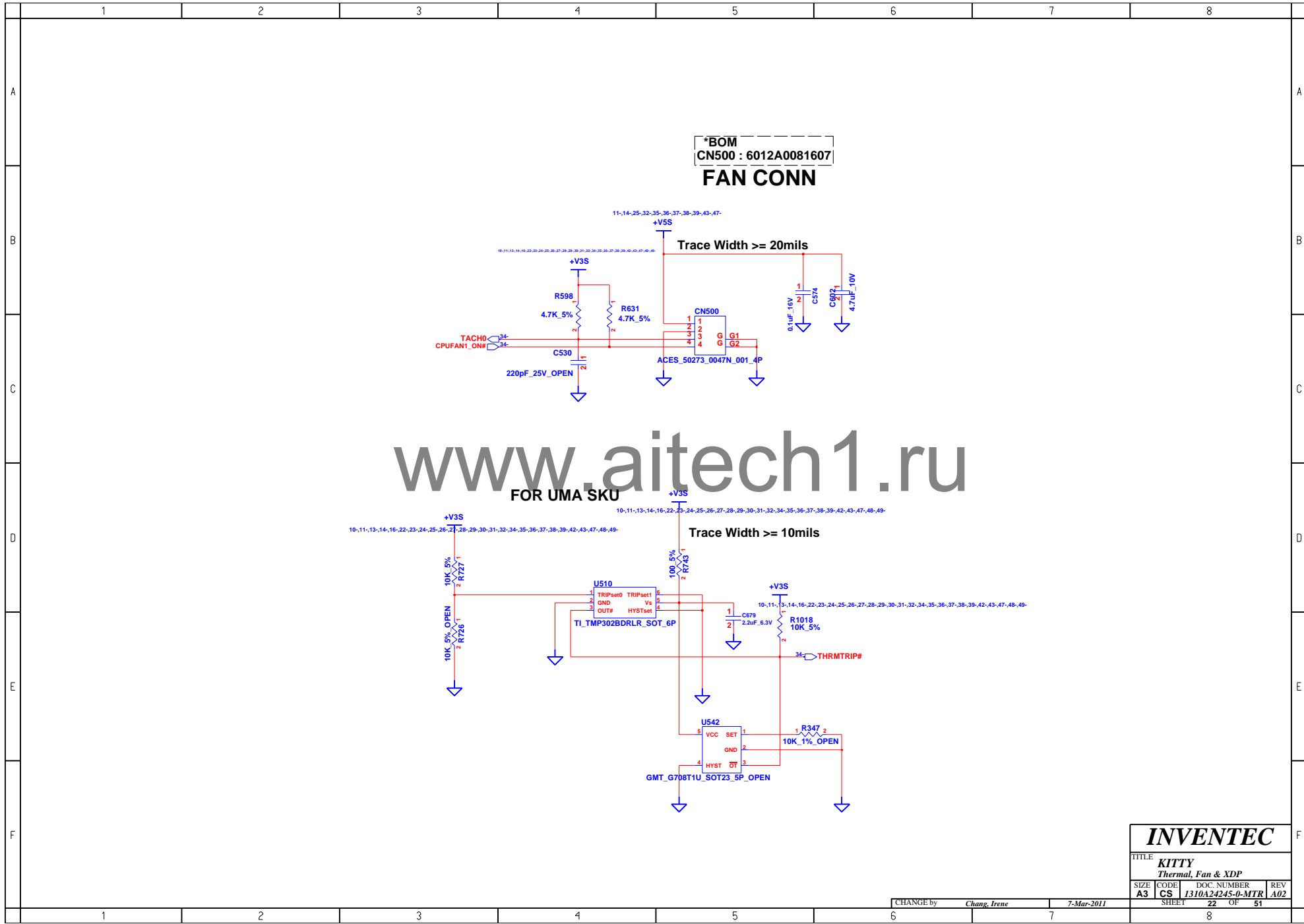
INVENTEC

TITLE KITTY CPU-4			
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SHEET 19		OF 51	

CHANGE by Chang, Irene 7-Mar-2011







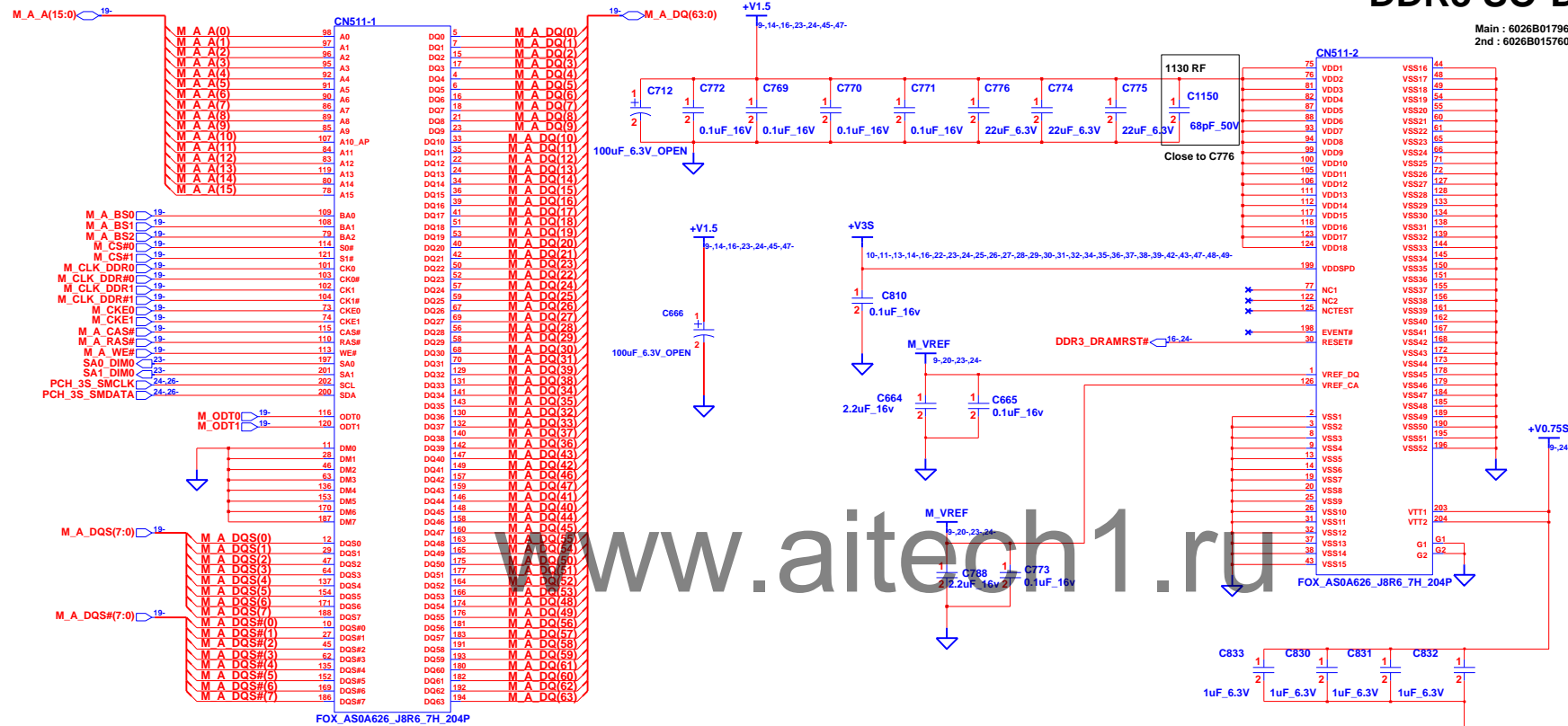
INVENTEC

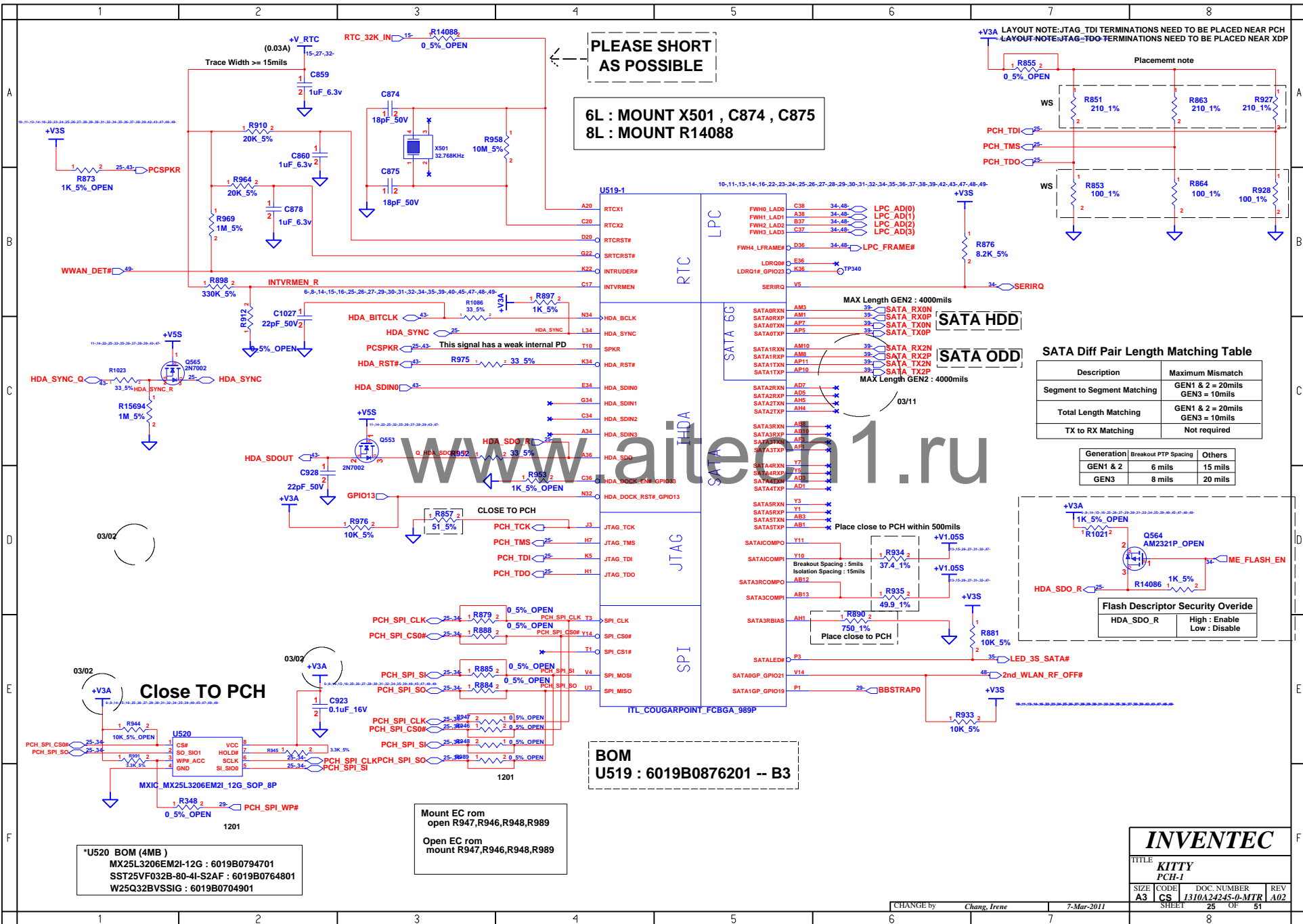
TITLE KITTY Thermal, Fan & XDP			
SIZE A3	CODE CS	DOC. NUMBER 1310A24245-0-MTR	REV A02
SHEET 22		OF 51	

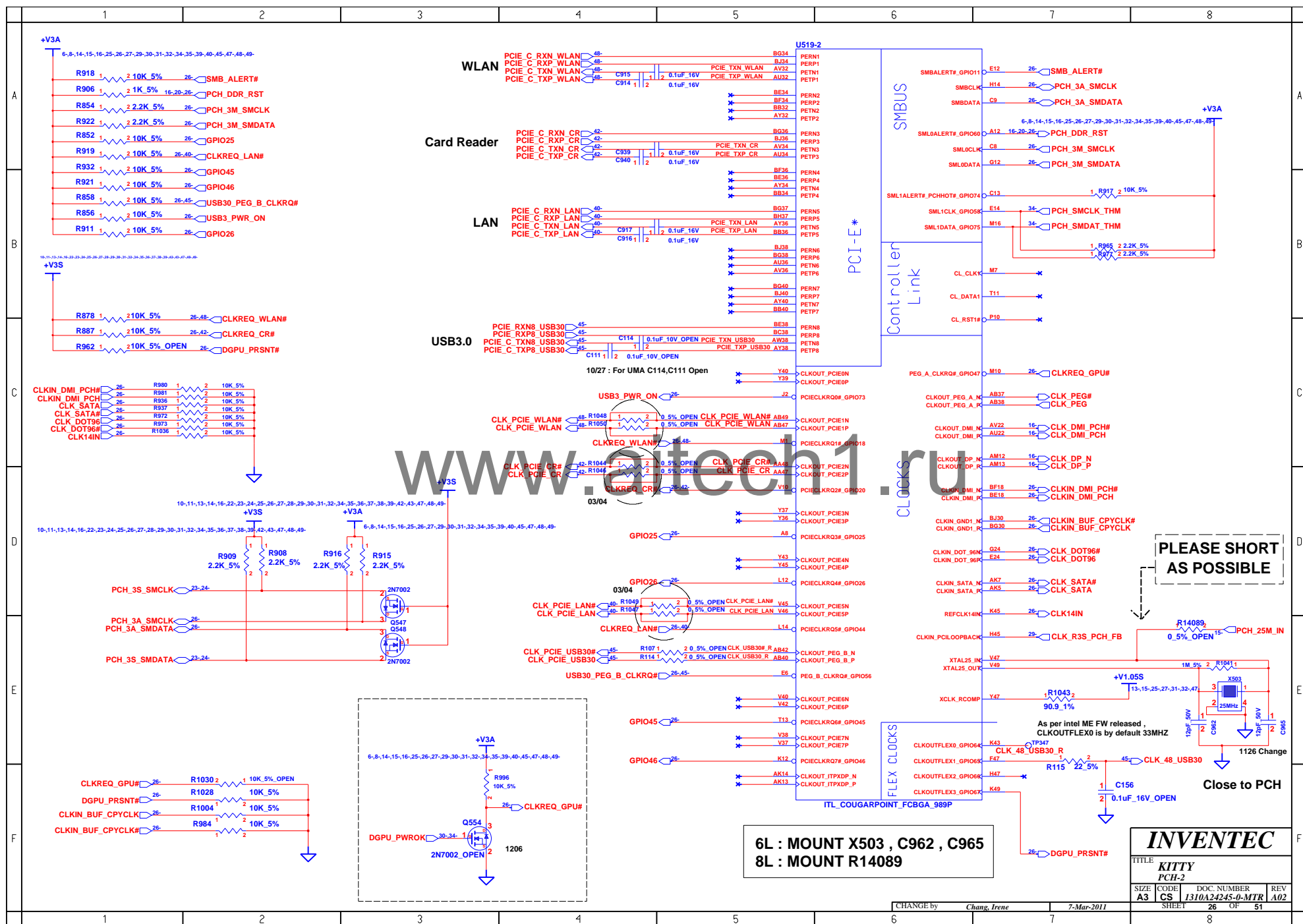
CHANGE by *Chang, Irene* 7-Mar-2011

DDR3 SO-DIMM 1

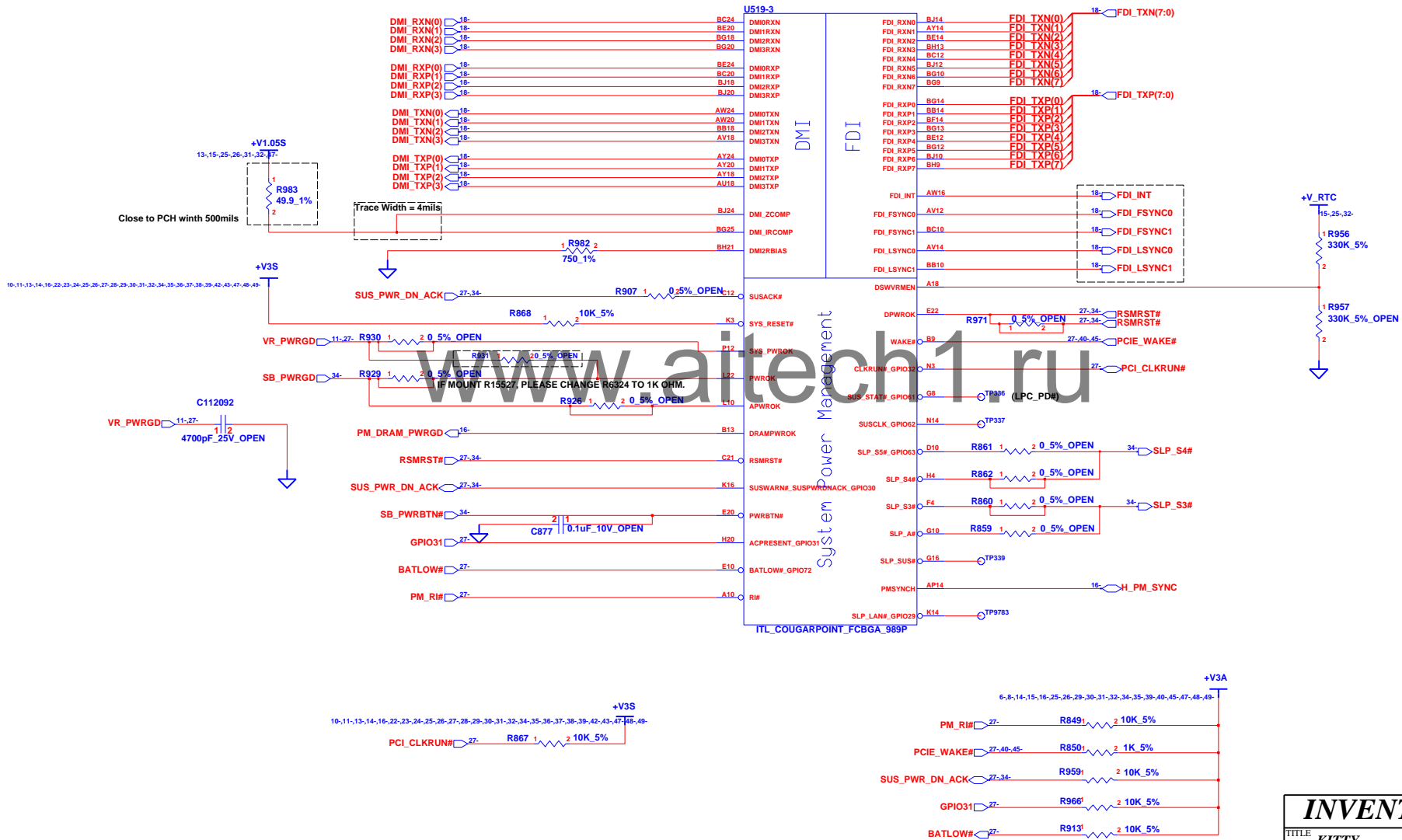
Main : 6026B0179601
2nd : 6026B0157609







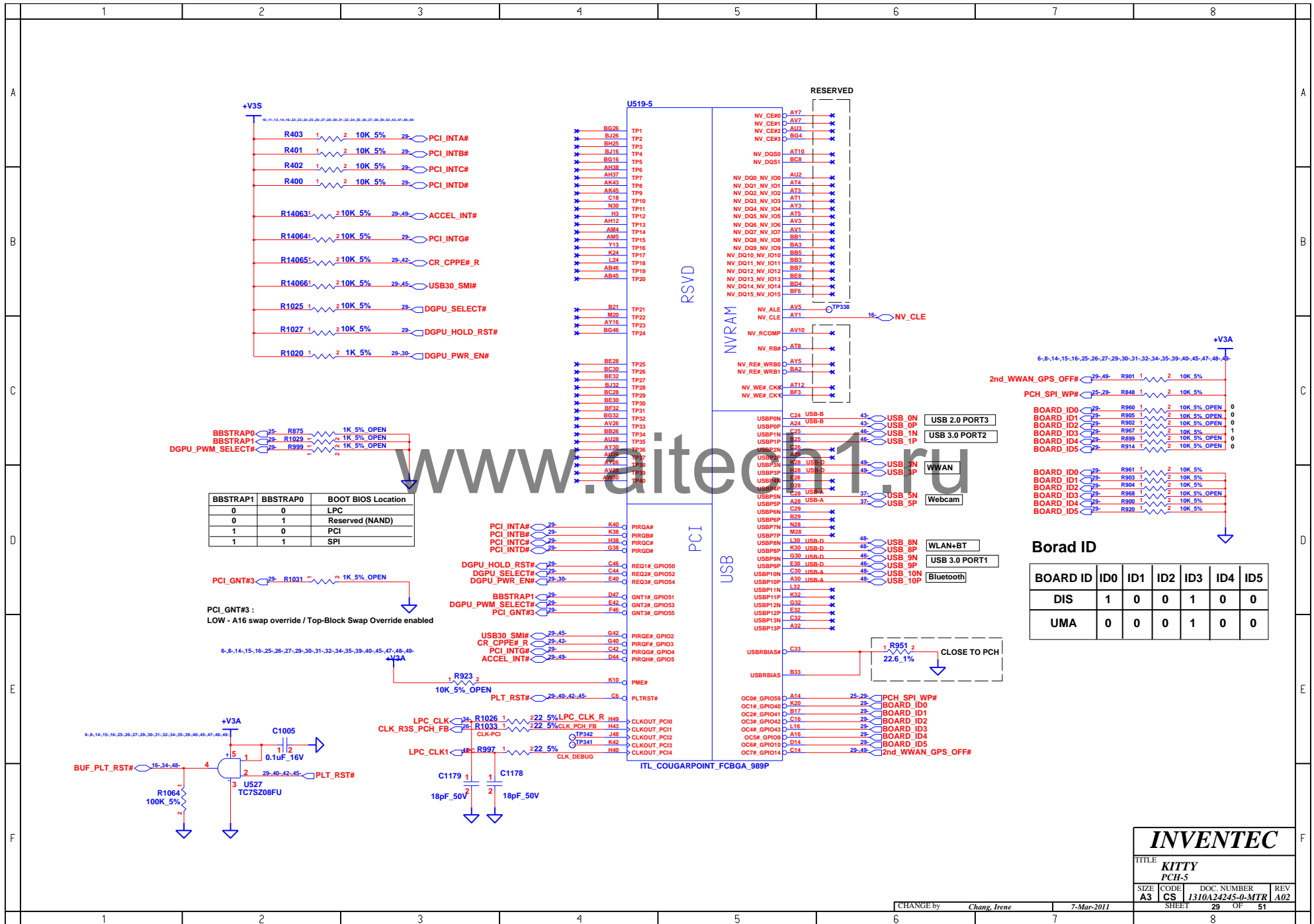
- Note: 1.SLP_SUS and SUSACK# are NC if DSW is not supported
2.DPWROK should connect to RSMRST# if DSW not supported
3.PCH_DPWROK pull up to +V3S enables DSW support. No install R5261 to disable DSW



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TITLE KITTY PCH-3			
SIZE A3	CODE CS	DOC. NUMBER 1310A24245-0-MTR	REV A02
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CHANGE by Chang, Irene 7-Mar-2011



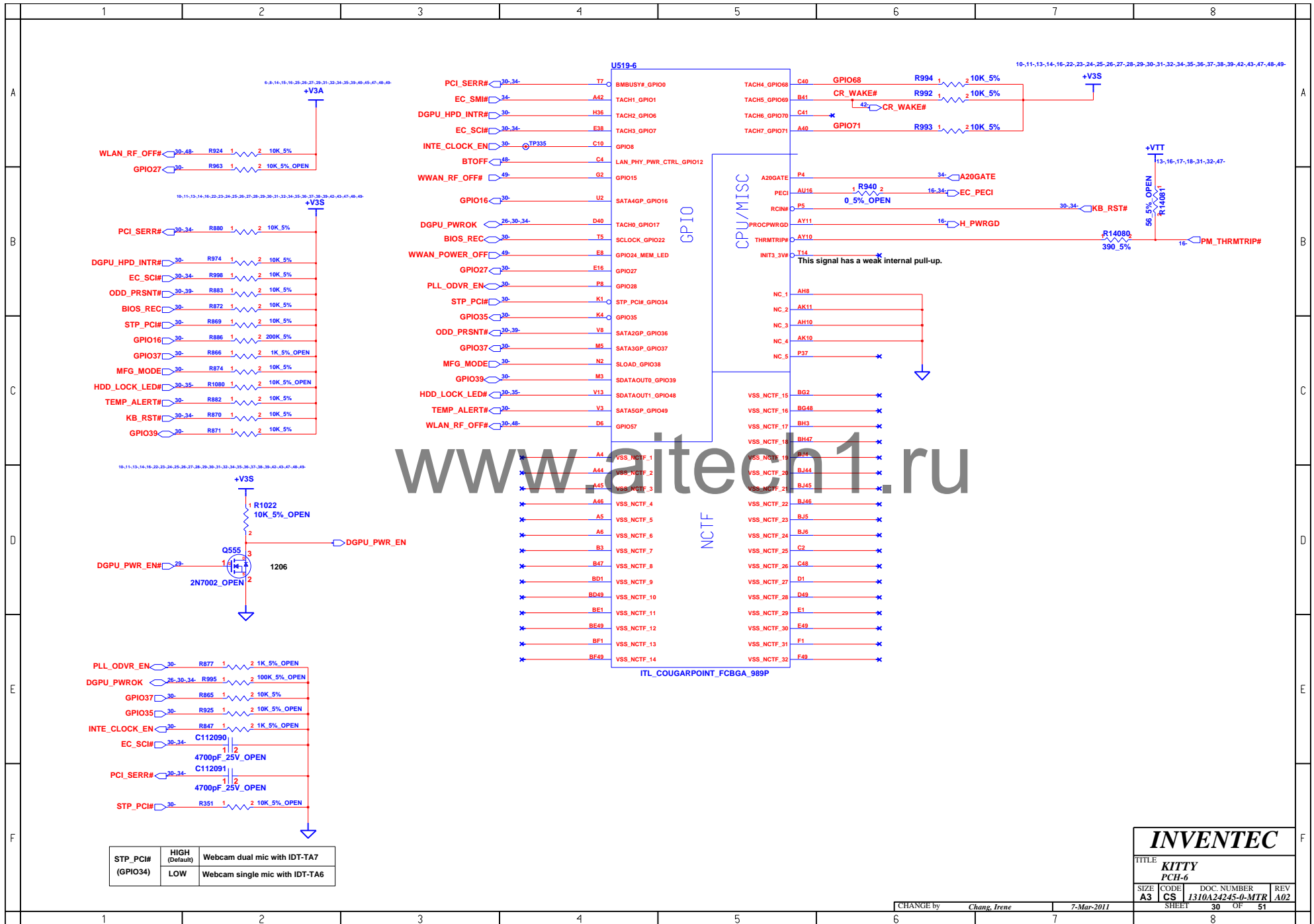
INVENTEC

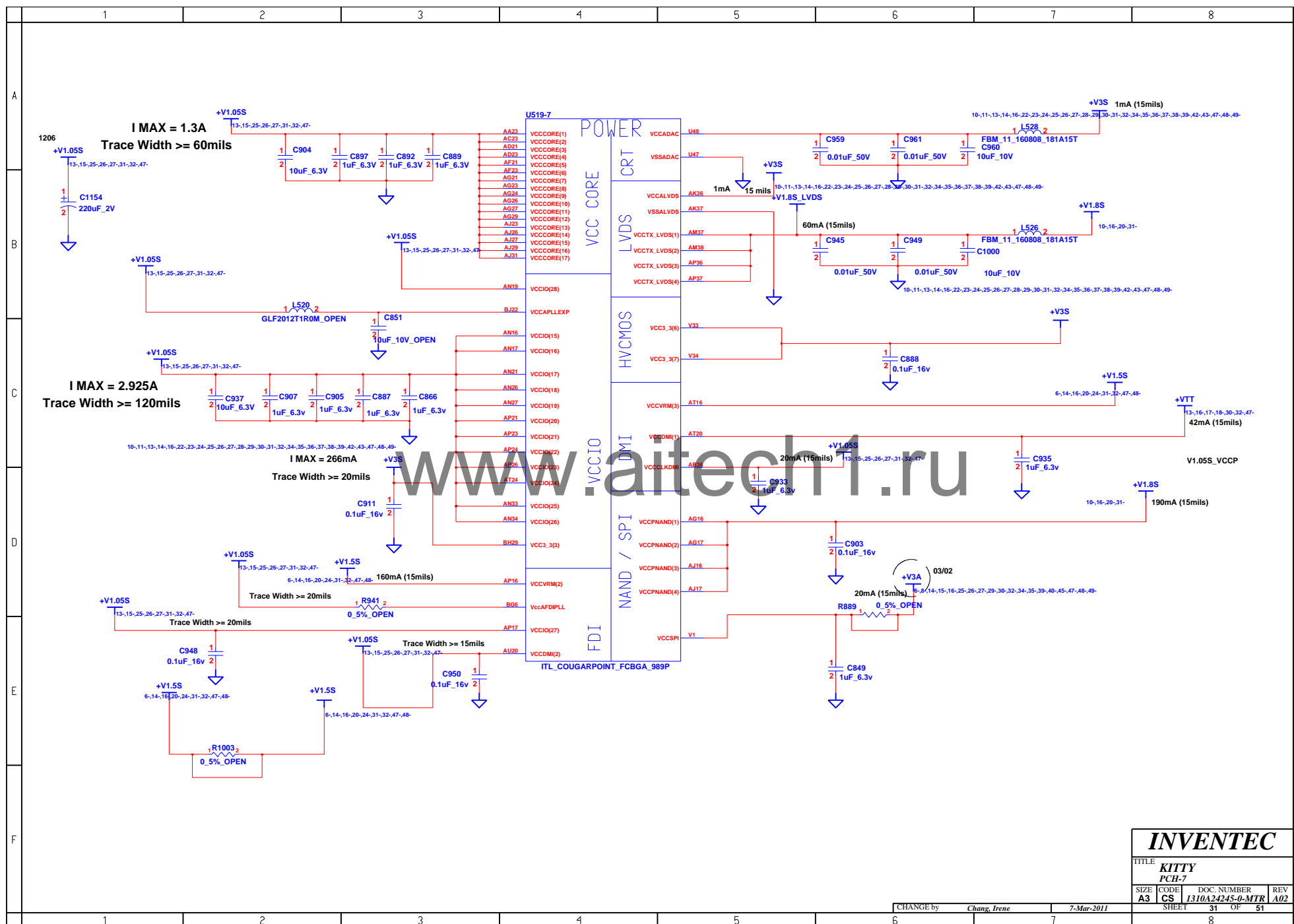
TITLE
**KITTY
PCH-5**

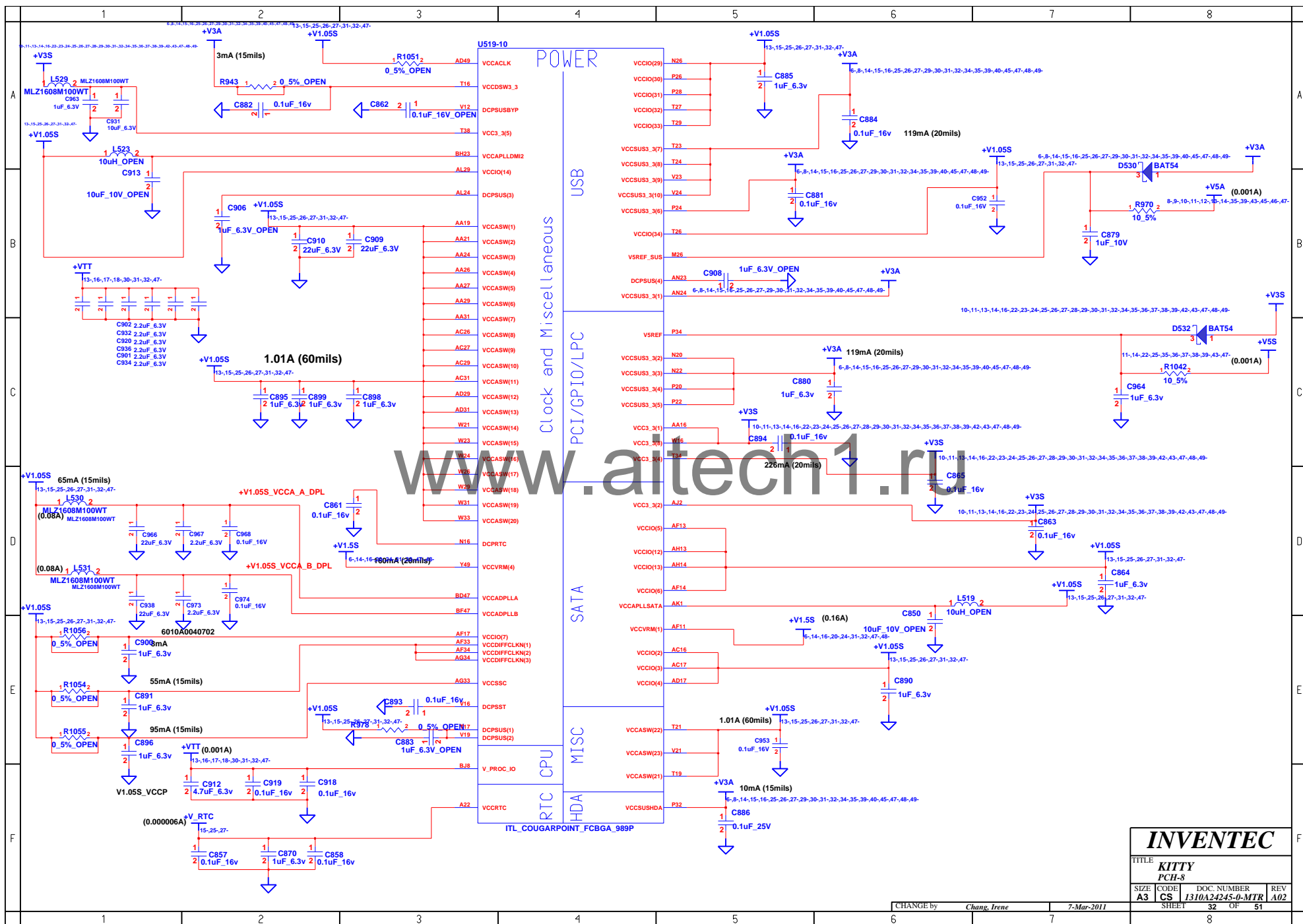
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A24245-0-MTR	A02

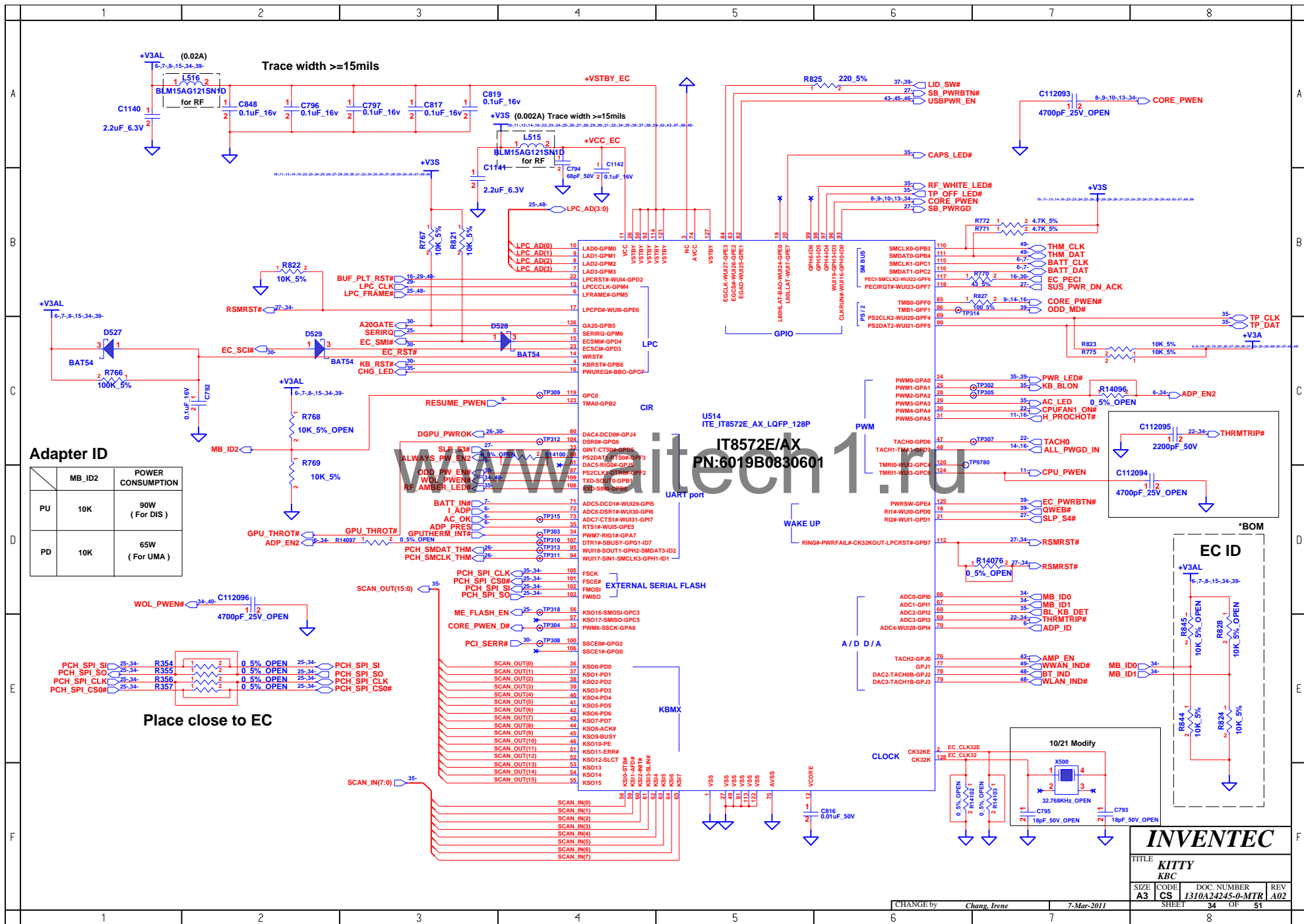
CHANGE by *Chang, Irene* 7-Mar-2011

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Adapter ID

	MB_ID2	POWER CONSUMPTION
PU	10K	90W (For DIS)
PD	10K	65W (For UMA)

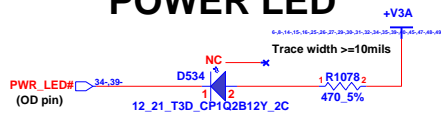
Place close to EC

INVENTEC

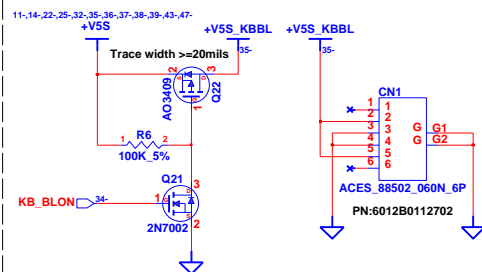
TITLE KITTY KBC			
SIZE A3	CODE CS	DOC. NUMBER 1310A24245-0-MTR	REV A02
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CHANGE by Chang, Irene 7-Mar-2011

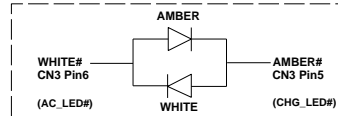
POWER LED



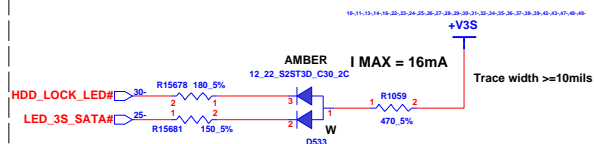
KeyBoard Baklight CONN



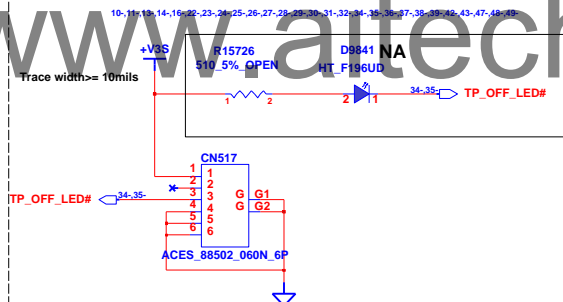
DC-JACK LED



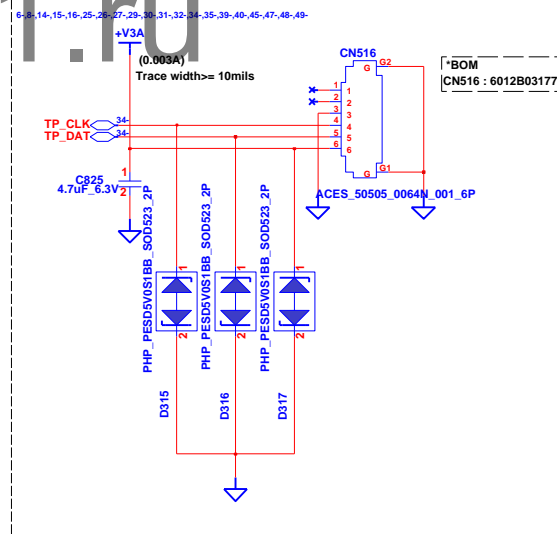
SATA LED & HDD-HALTED LED



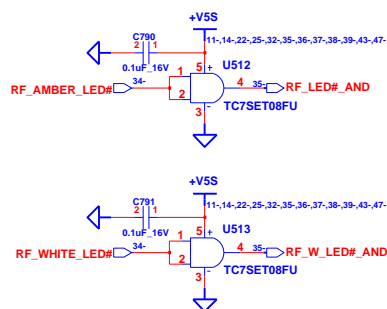
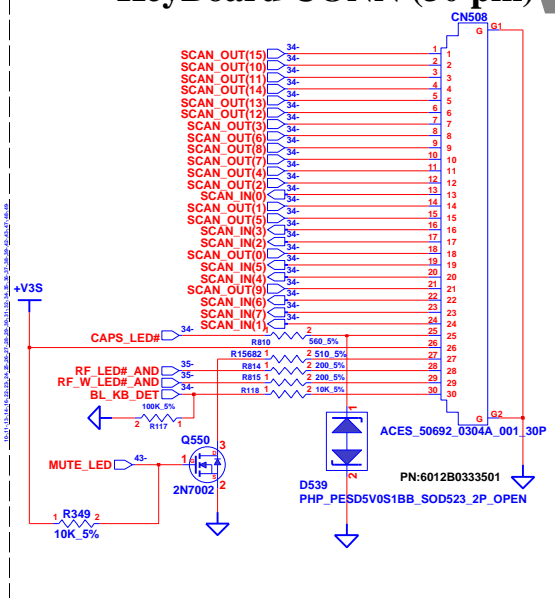
TP LED CONN on MB



TouchPad Module CN on MB

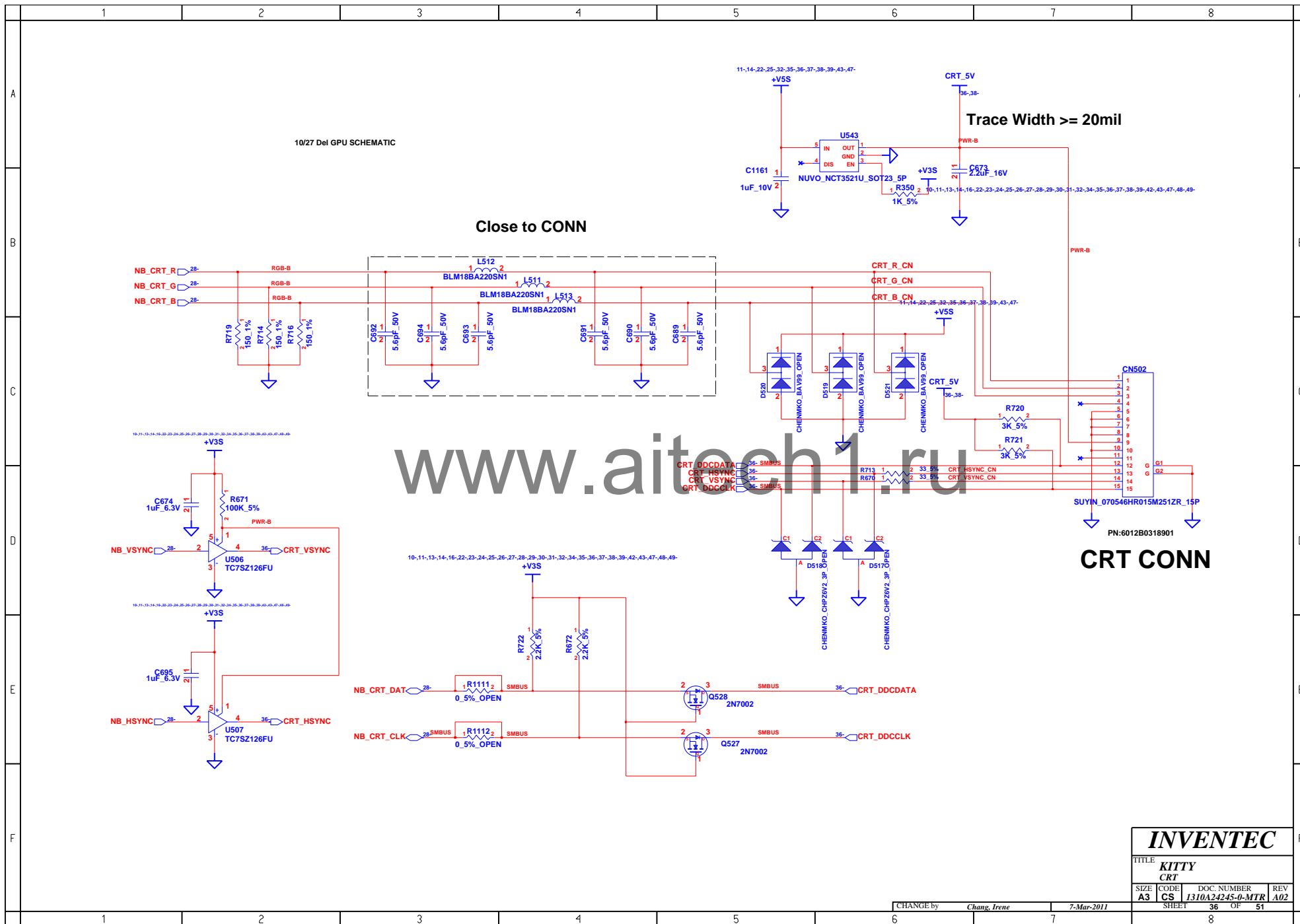


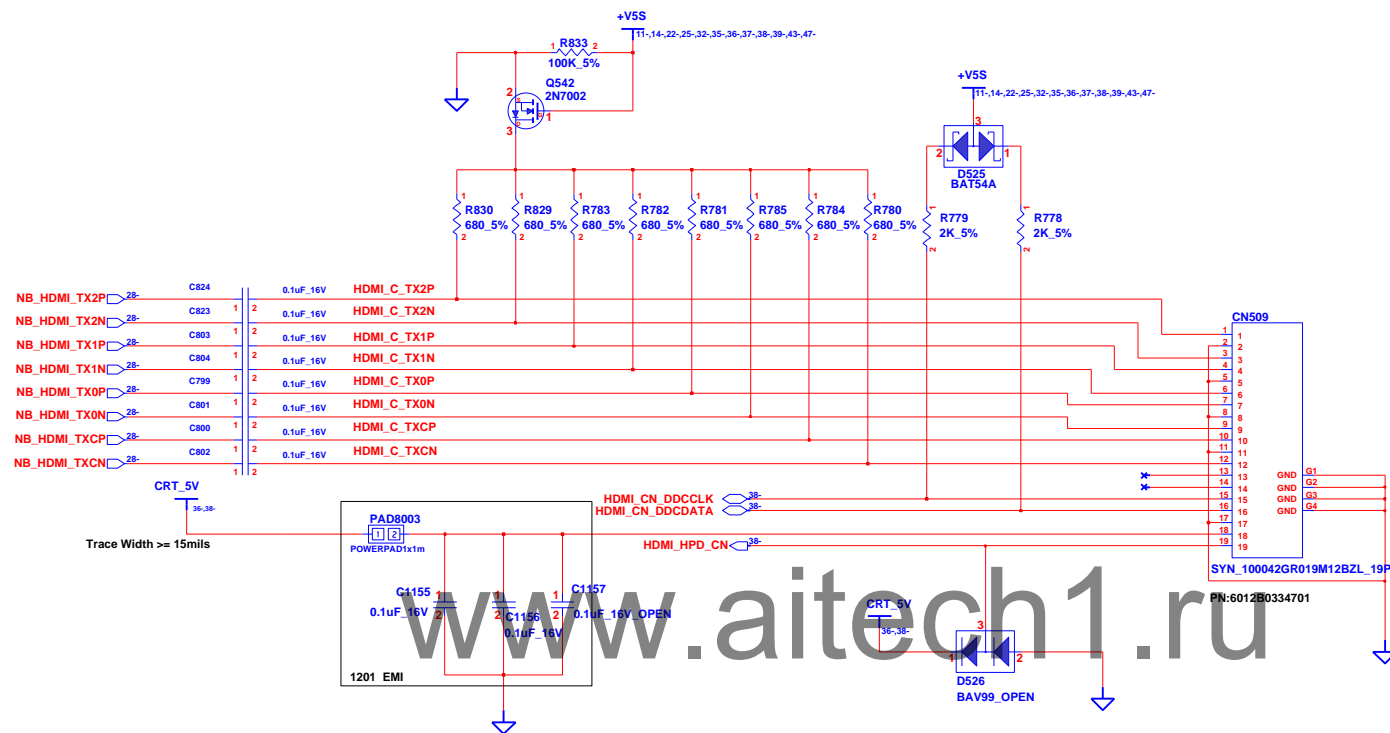
KeyBoard CONN (30 pin)



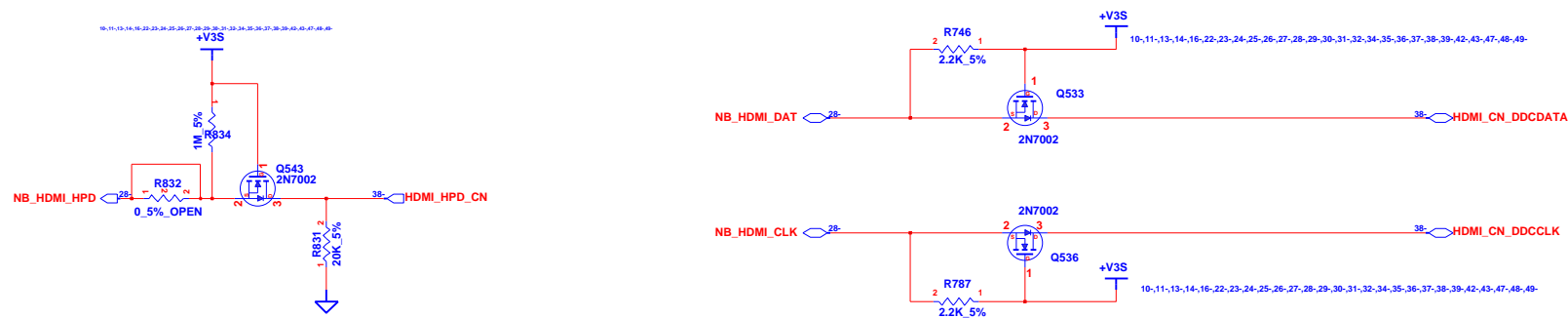
INVENTEC

TITLE KITTY Keyboard & TouchPad			
SIZE A3	CODE CS	DOC NUMBER 1310A24245-0-MTR	REV A02
CHANGE by <i>Chang, Irene</i>		7-Mar-2011	
SHEET 35		OF 51	





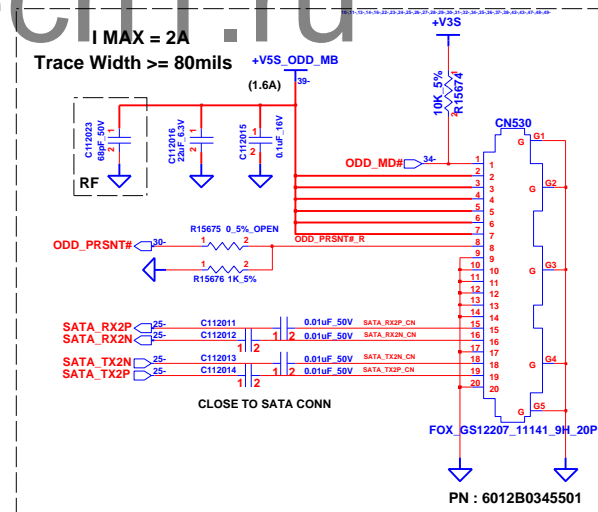
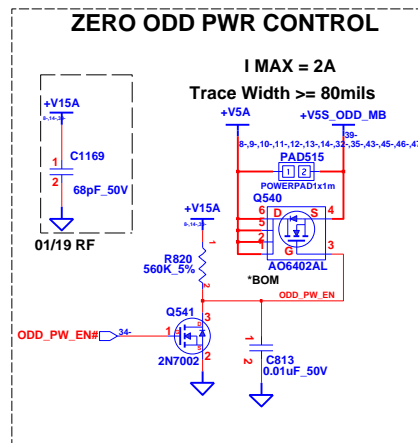
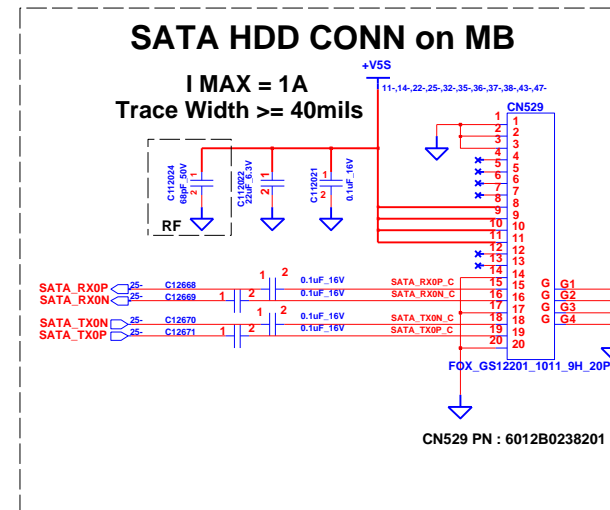
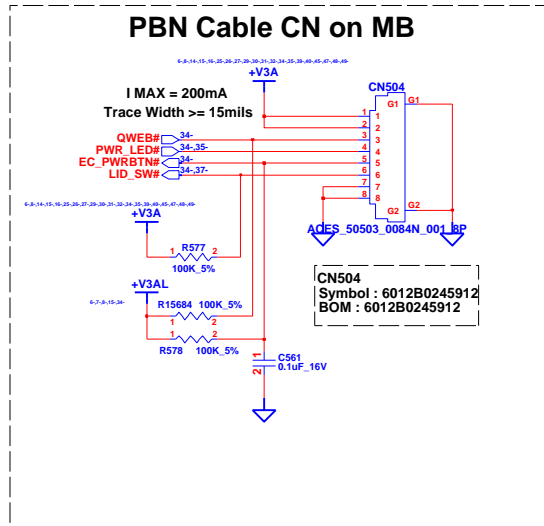
HDMI CONN



INVENTEC

TITLE KITTY HDMI Level-Shift			
SIZE A3	CODE CS	DOC. NUMBER 1310A24245-0-MTR	REV A02
SHEET 38		OF 51	

CHANGE by *Chang, Irene* 7-Mar-2011

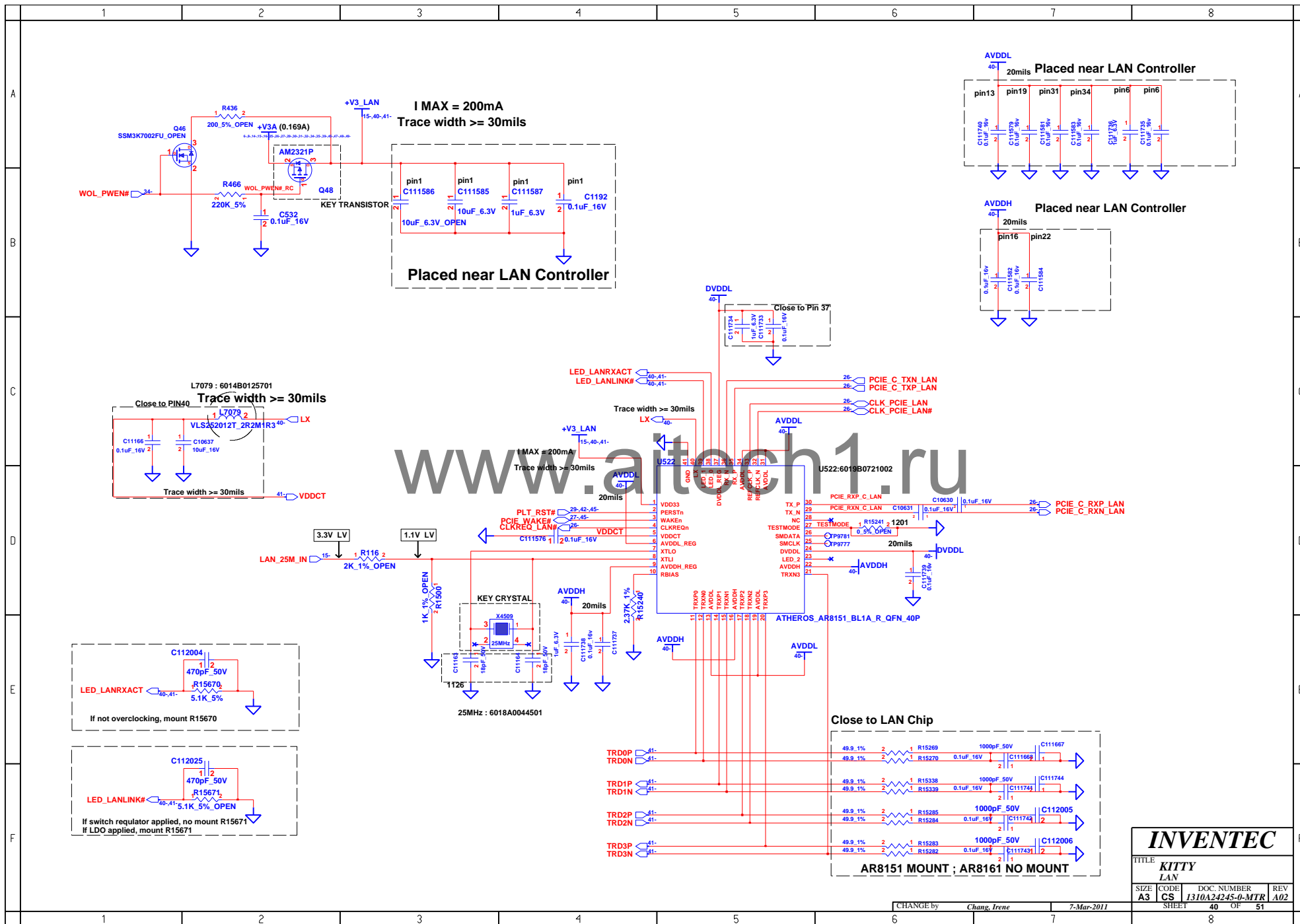


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INVENTEC

TITLE KITTY SATA HDD & ODD			
SIZE A3	CODE CS	DOC. NUMBER 1310A24245-0-MTR	REV A02
SHEET		39	OF 51

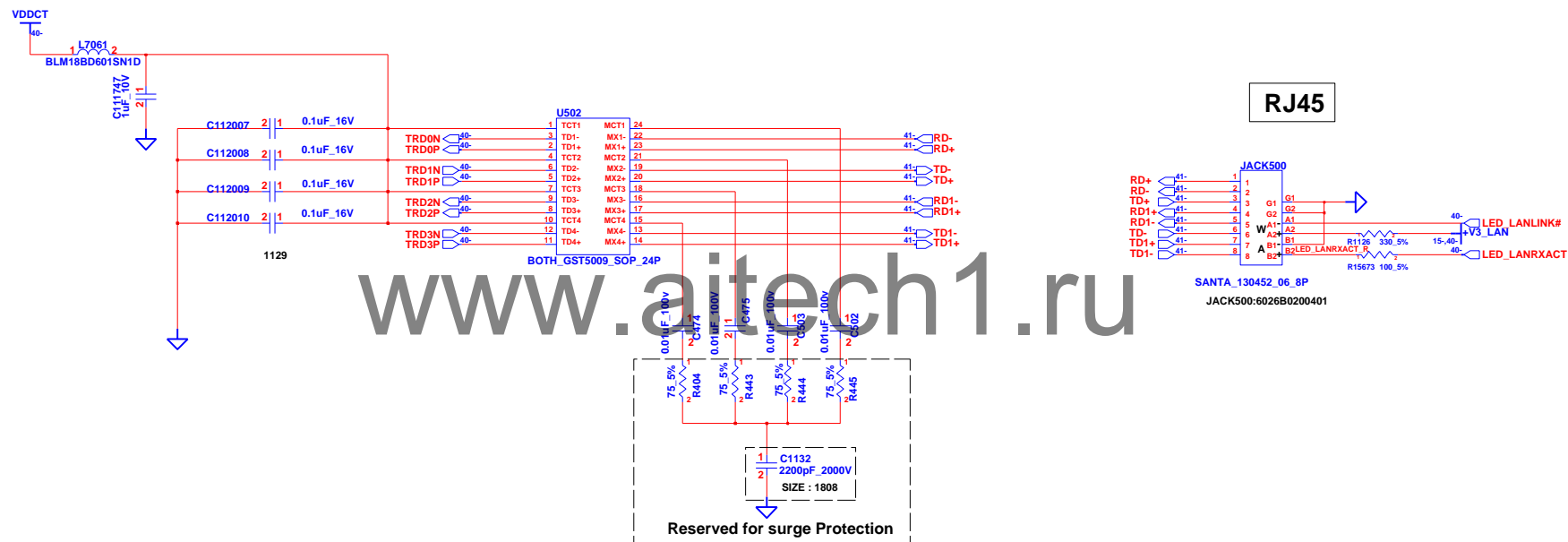
CHANGE by Chang, Irene 7-Mar-2011



INVENTEC

TITLE KITTY LAN			
SIZE A3	CODE CS	DOC. NUMBER 1310A24245-0-MTR	REV A02
SHEET 40		OF 51	

CHANGE by: Chang, Irene 7-Mar-2011

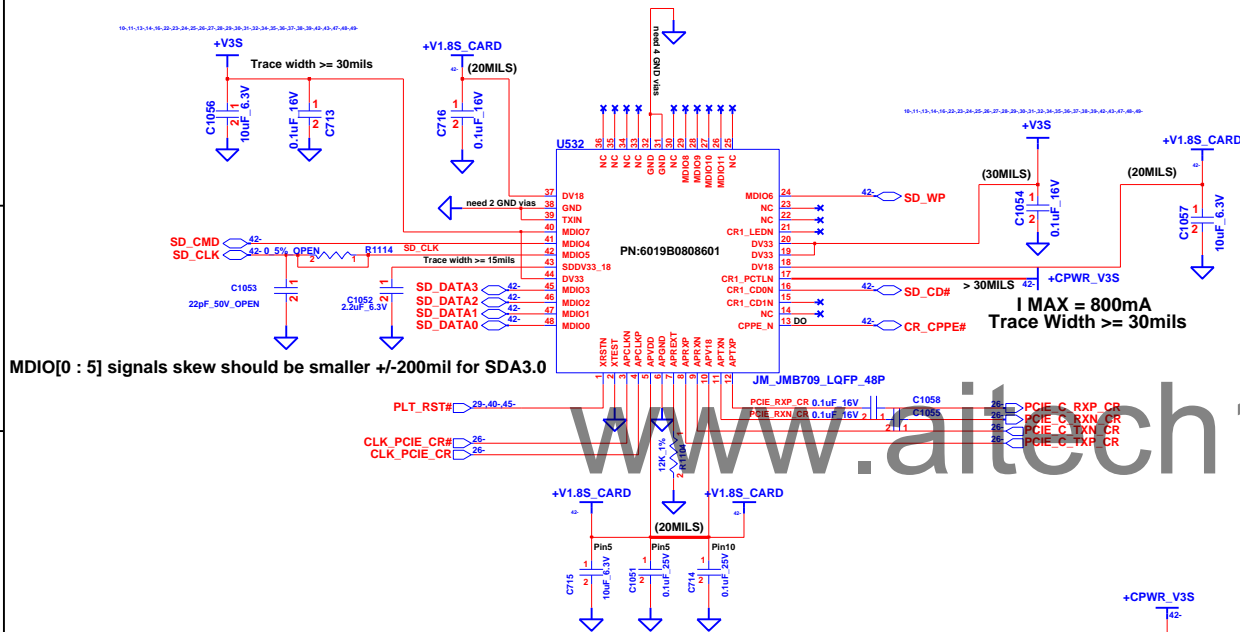


LAYOUT NOTE : Place termination resistors and caps as close to LAN controller as possible

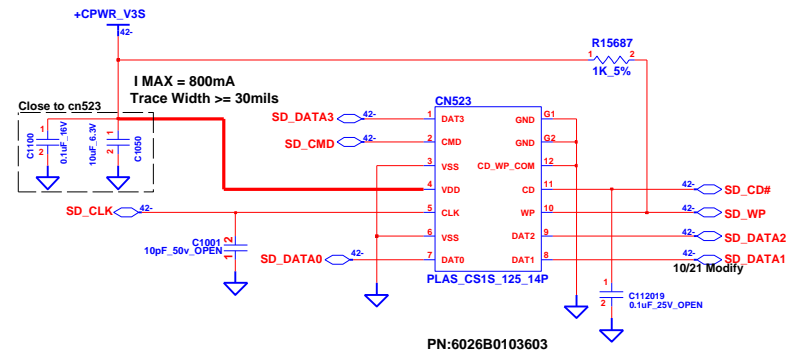
INVENTEC			
TITLE KITTY RJ-45			
SIZE A3	CODE CS	DOC. NUMBER 1310A24245-0-MTR	REV A02
CHANGE by Chang, Irene		7-Mar-2011	
SHEET 41		OF 51	

Layout Note :

- C1051 CLOSE TO PIN5 (Trace width/length : 11mils/<100mils)
- C715 Close to C1051 (Trace width/length : 20mils/<40mils)
- C714 close to pin10 (Trace width/length : 11mils/<100mils)
- APREXT trace width/length : 12mils/<250mils
- C1057 close to pin18 (Trace width/length : 12mils/<100mils for internal REG)

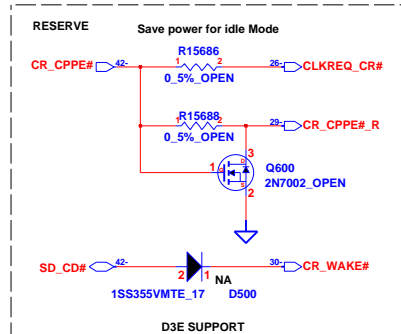


Card Reader CONN



PN:6026B0103603

10/29 Change P/N



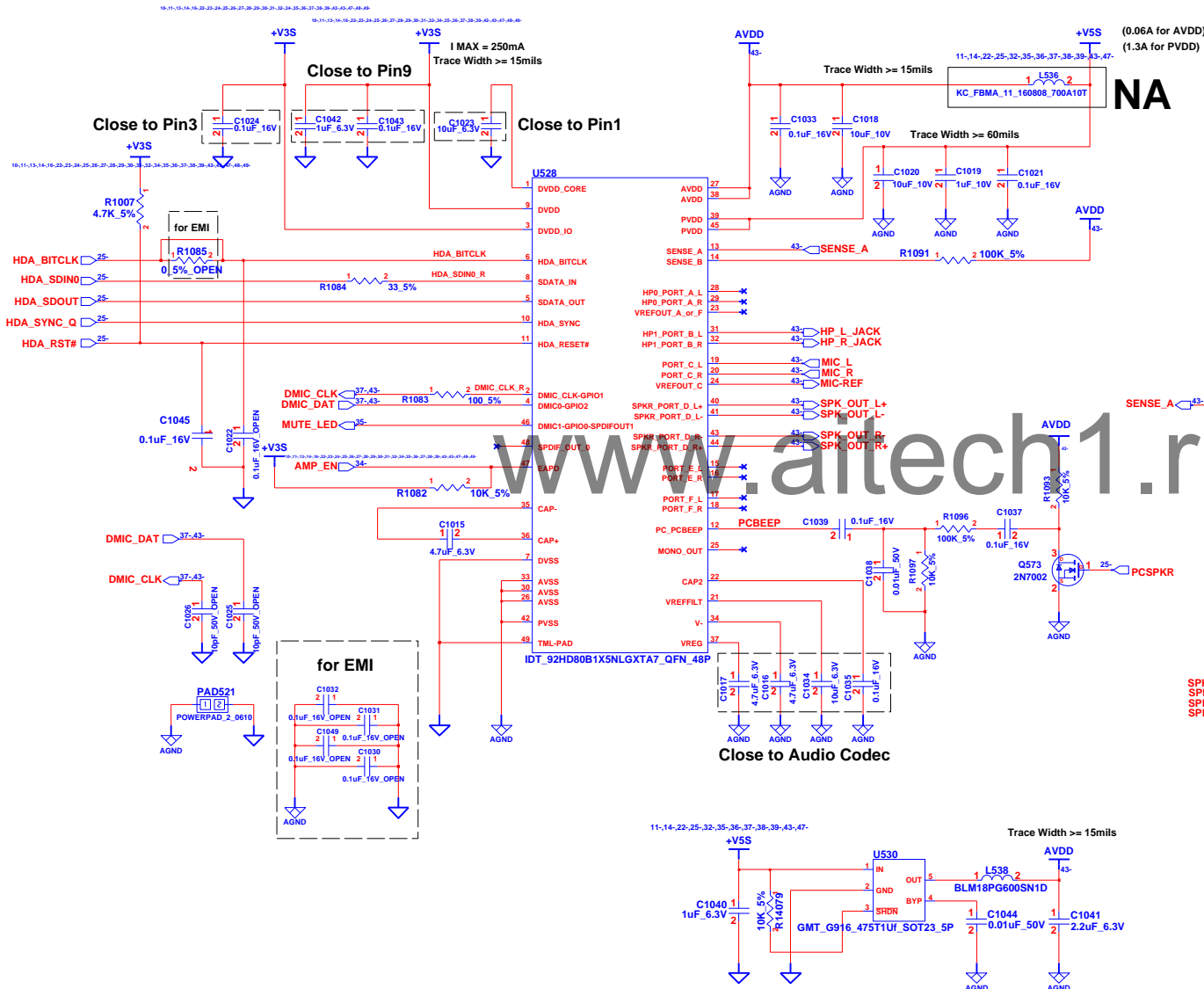
- Note :
1. Add Q600 & R15688 NA, if JMB709 power domain is different with SB.
 2. NA Q600 & mount R15688, if JMB709 power domain is same with SB.

INVENTEC

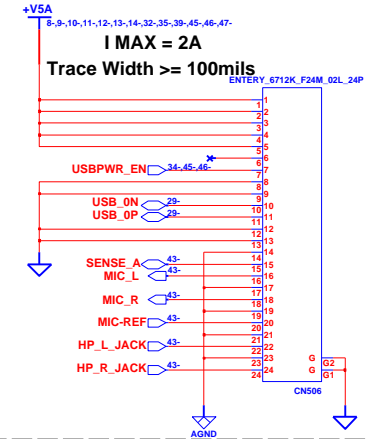
TITLE KITTY Card Reader			
SIZE A3	CODE CS	DOC. NUMBER 1310A24245-0-MTR	REV A02
SHEET 42		OF 51	

CHANGE by Chang, Irene 7-Mar-2011

*BOM 6019B0825801

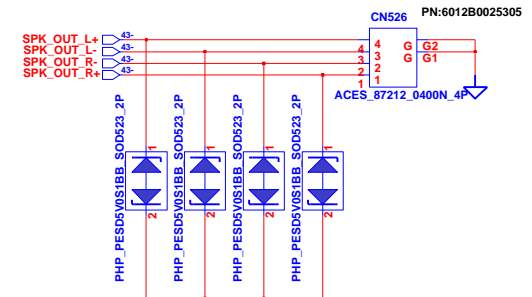


USB + AUDIO BOARD Cable on MB



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 A02
SHEET 43		OF 51	

CHANGE by Chang, Irene 7-Mar-2011

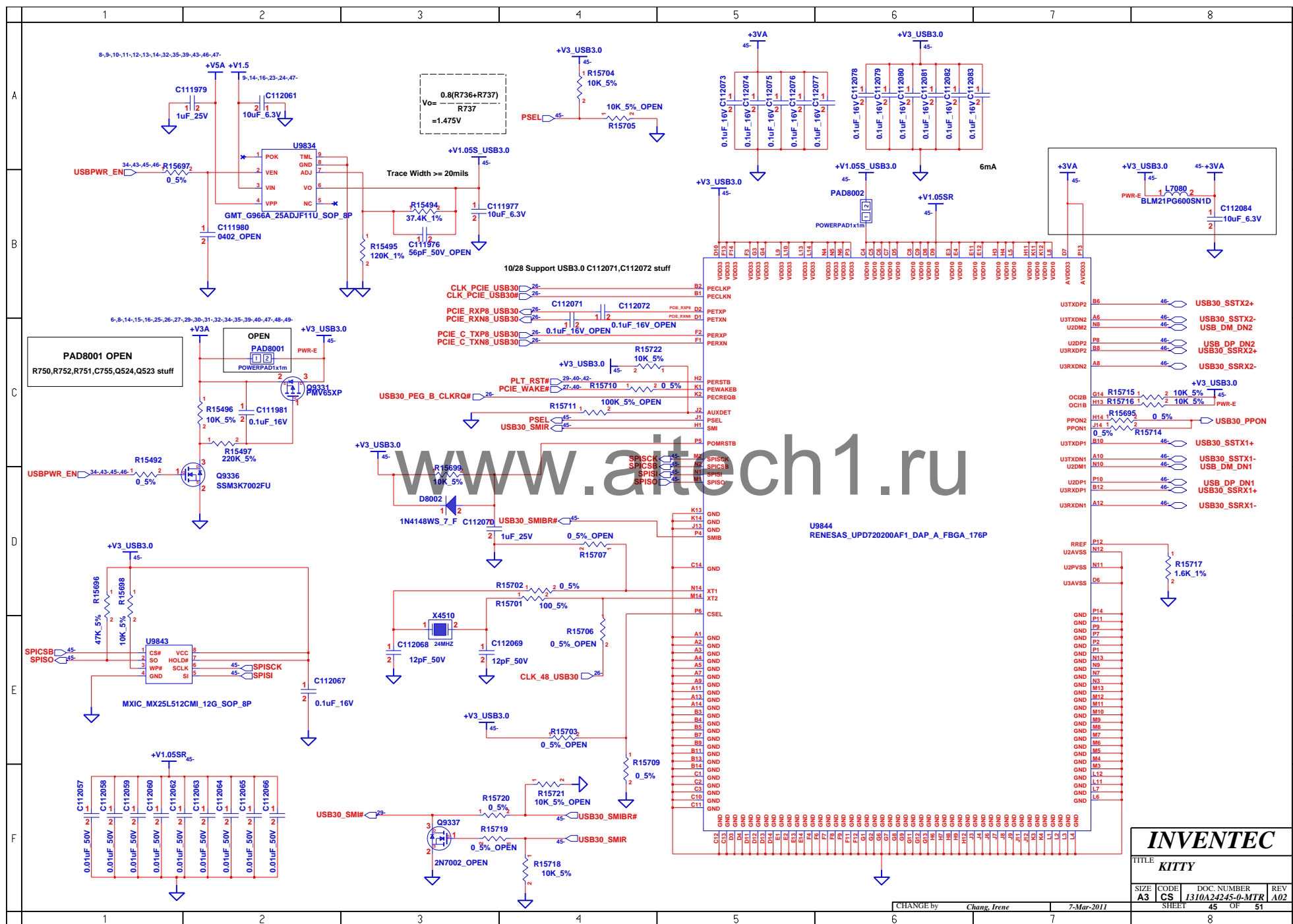
	1	2	3	4	5	6	7	8	
A									A
B									B
C									C
D									D
E									E
F									F
	1	2	3	4	5	6	7	8	

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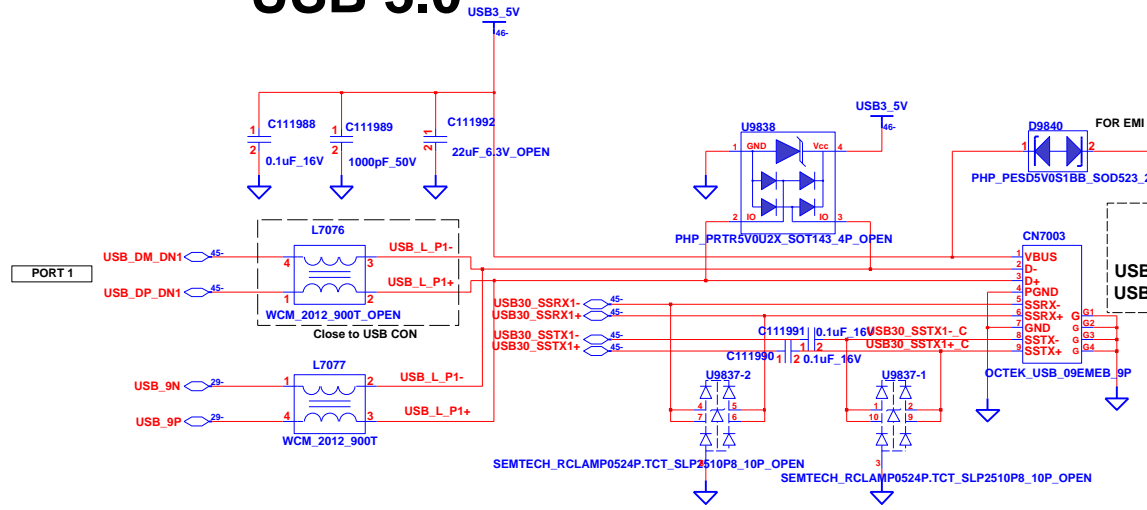
INVENTEC

TITLE			
KITTY			
HP JACK & MIC JACK			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A24245-0-MTR	A02
SHEET		44	OF 51

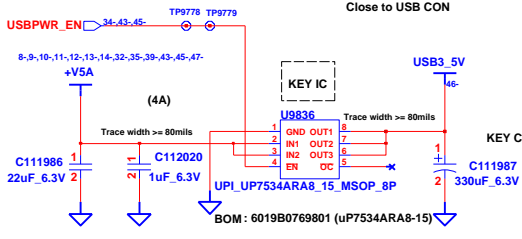
CHANGE by *Chang, Irene* 7-Mar-2011



USB 3.0



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



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

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INVENTEC

TITLE KITTY

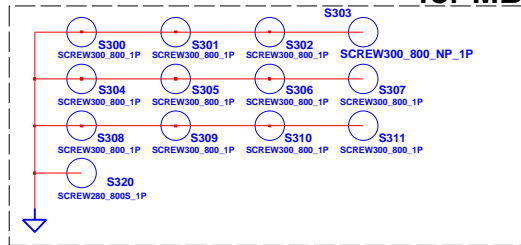
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CHANGE by Chang, Irene 7-Mar-2011

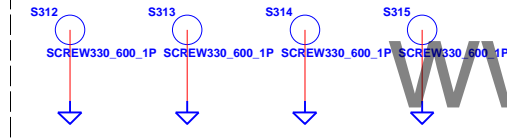
SHEET 46 OF 51



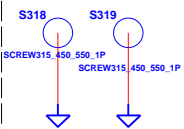
for MB



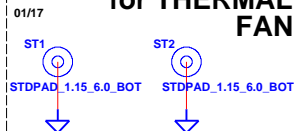
CPU's screws



for PCH



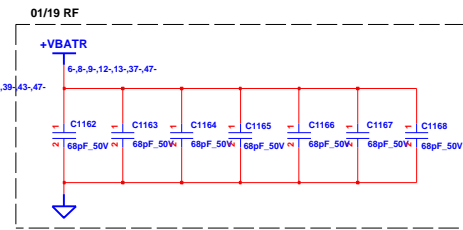
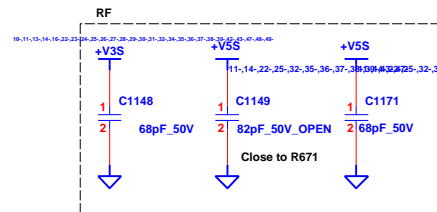
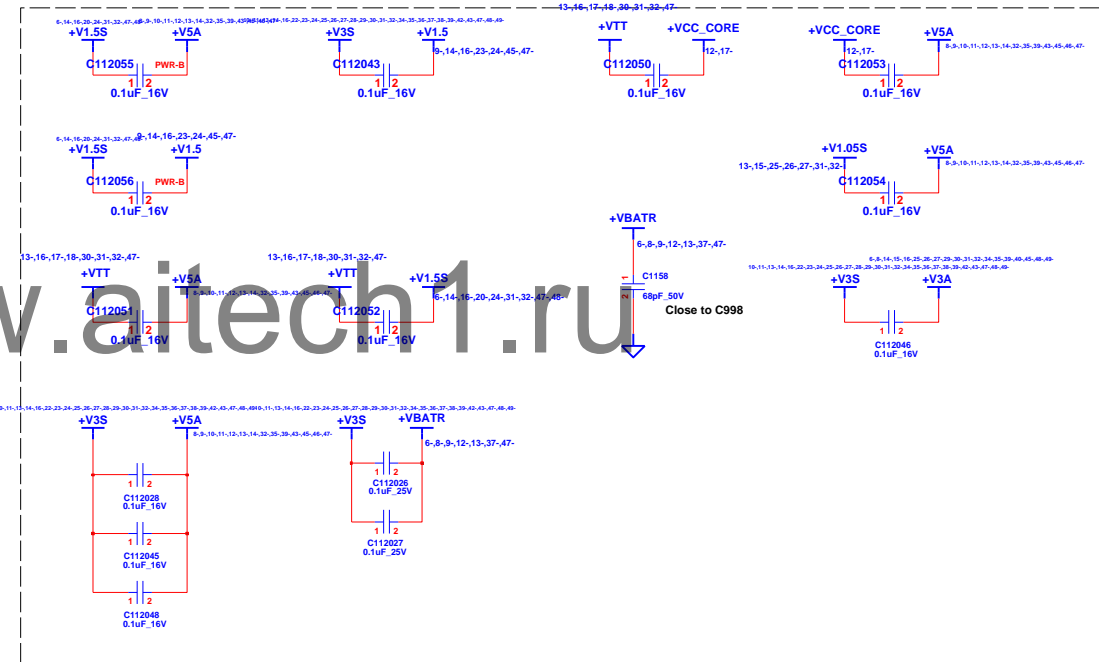
for THERMAL FAN



NUT P/N :
6052B0095601

*BOM

EMI



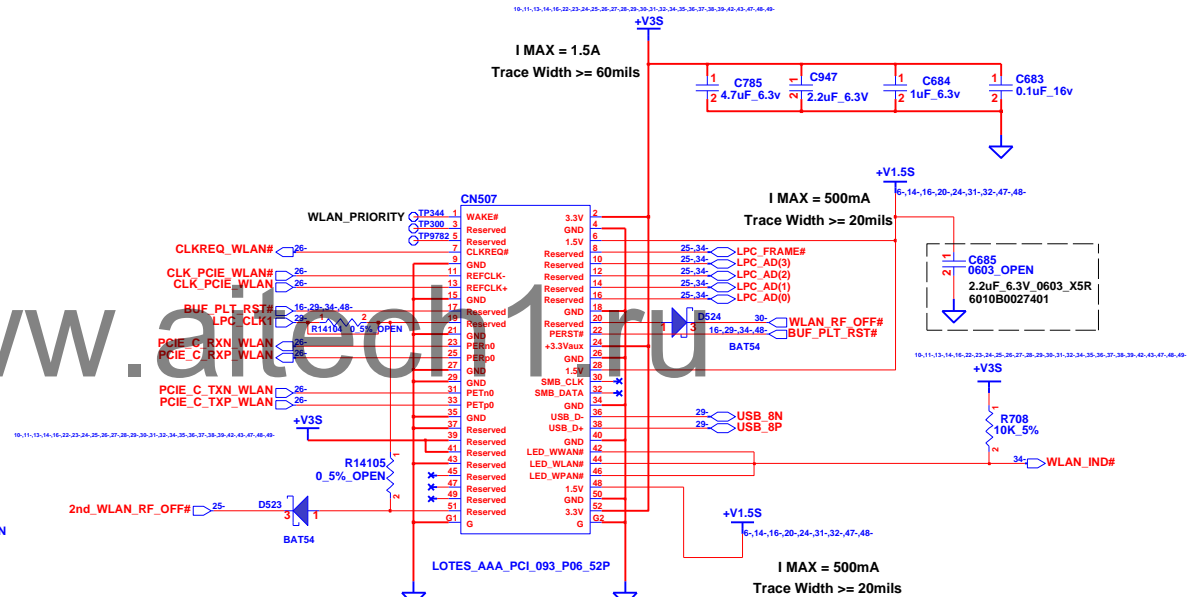
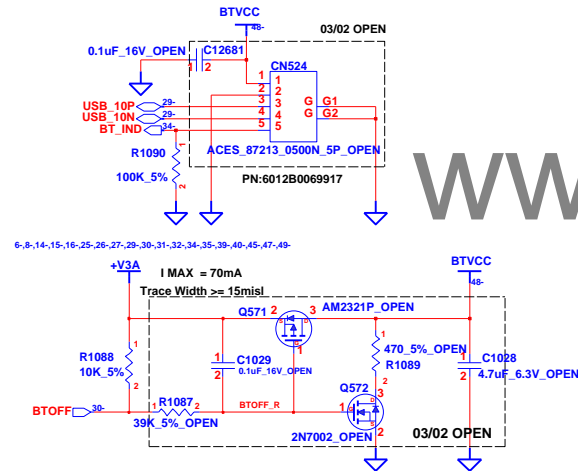
INVENTEC

TITLE KITTY SCREW & CONN			
SIZE A3	CODE CS	DOC. NUMBER 1310A24245-0-MTR	REV A02
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CHANGE by *Chang, Irene* 7-Mar-2011

WLAN CONN (MINICARD)

BLUETOOTH CONN



*BOM
CN507 : 6026B0184301

INVENTEC

TITLE			
KITTY WLAN, BT & WebCAM			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	1310A24245-0-MTR	A02
SHEET		48	OF 51

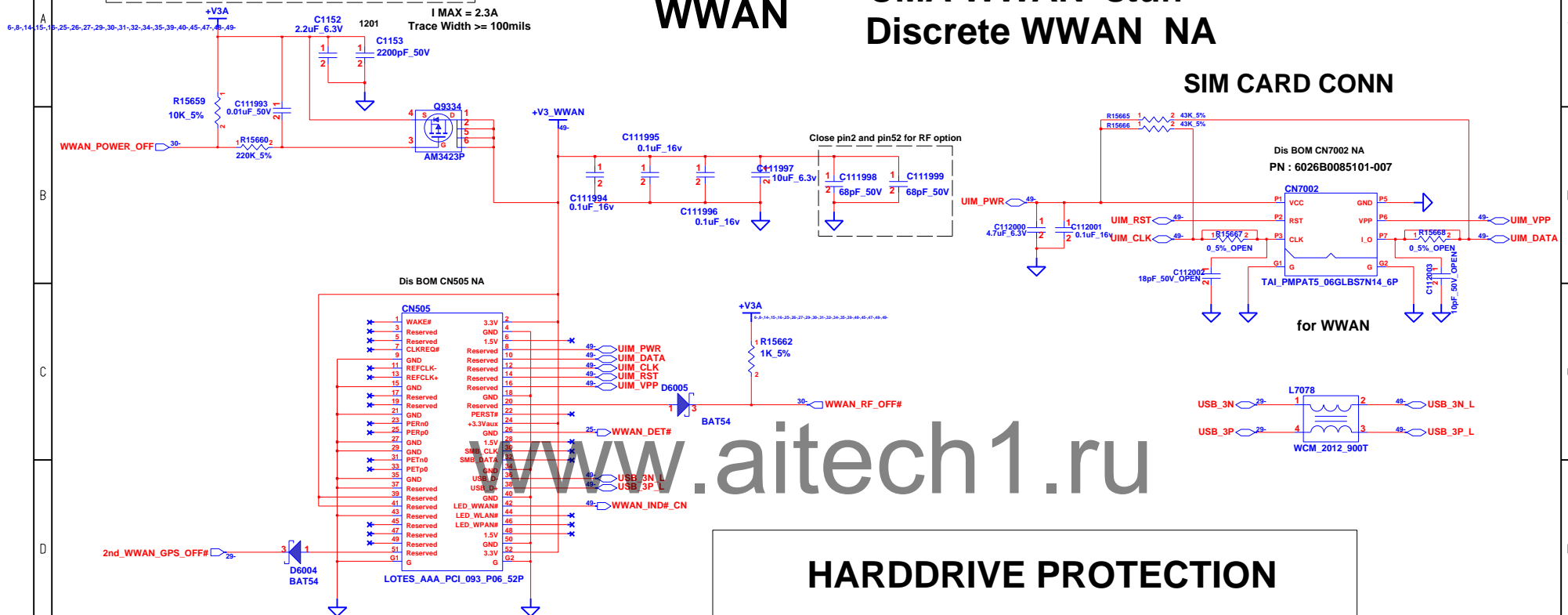
CHANGE by	<i>Chang, Irene</i>	7-Mar-2011
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OPTION PART

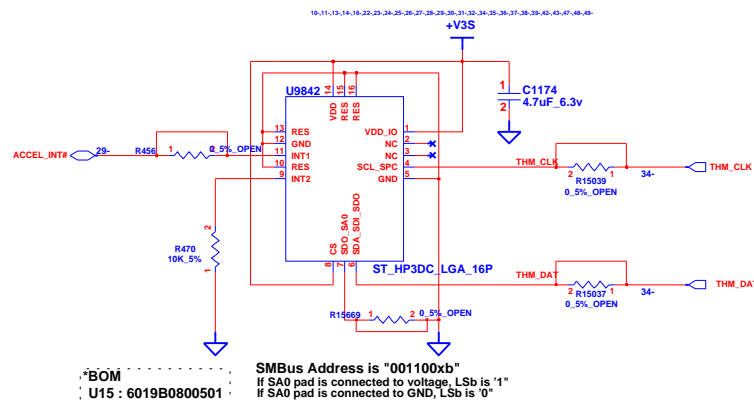
WWAN

UMA WWAN stuff
Discrete WWAN NA

SIM CARD CONN



HARDDRIVE PROTECTION



```
*BOM
U15 : 6019B0800501
```

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

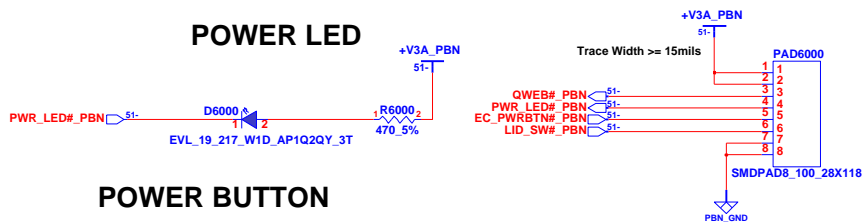
TITLE ***KITTY
USB CONN***

SIZE A3	CODE CS	DOC. NUMBER 1310A24245-0-MTR	REV A02
SHEET 49 OF 51			

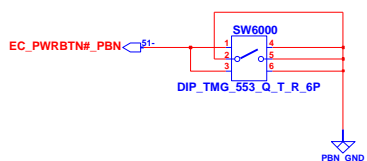
CHANGE by	<i>Chang, Irene</i>	7-Mar-2011
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POWER BOTTON BOARD

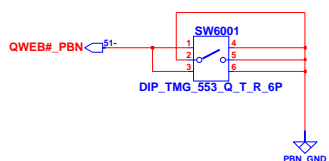
POWER LED



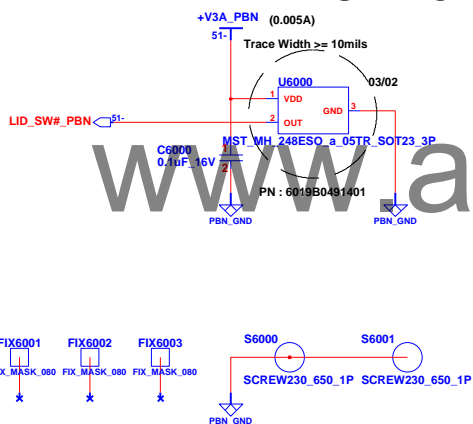
POWER BUTTON



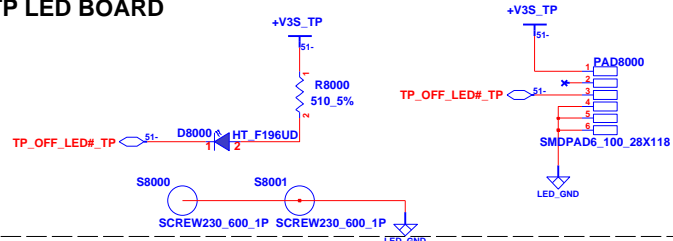
QWEB BUTTON



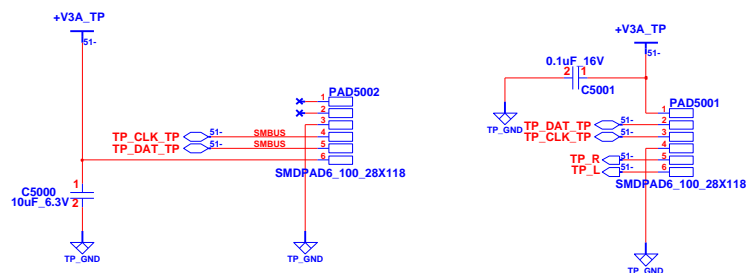
LID SWITCH



TP LED BOARD

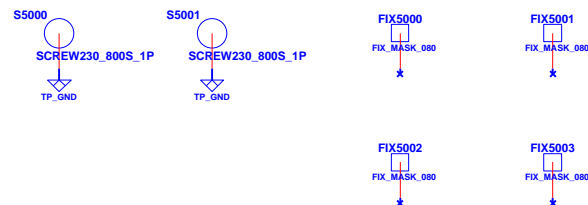


PICK BUTTON BOARD



Left side

Right side PN : 6026B0001201



INVENTEC

TITLE
KITTY

SIZE CODE DOC. NUMBER REV
A3 CS 1310A24245-0-MTR A02

CHANGE by *Chang, Irene* 7-Mar-2011

SHEET 51 OF 51