

WHITNEY

WS
www.aitech1.ru

2010.03.27

INVENTEC

TITLE
Whitney

SIZE A3	CODE CS	DOC. NUMBER	REV X01
SHEET		1	OF 60

CHANGE by *Jun* 27-Mar-2010

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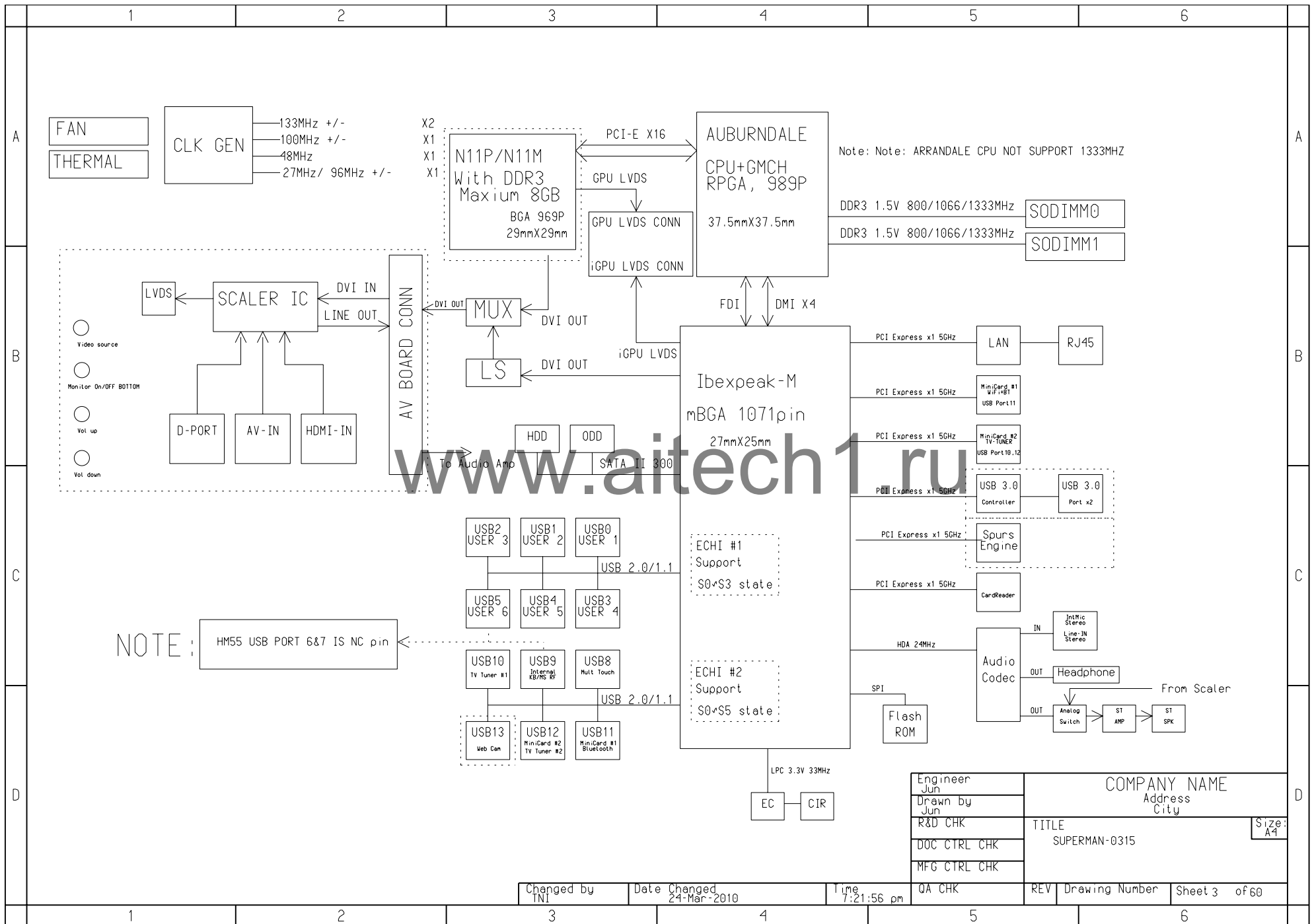
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TITLE Whitney Index			
SIZE A3	CODE CS	DOC. NUMBER	REV X01
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CHANGE by Jun 24-Mar-2010



Engineer Jun	COMPANY NAME Address City			Size: A4
Drawn by Jun				
R&D CHK	TITLE SUPERMAN-0315			
DOC CTRL CHK				
MFG CTRL CHK				
QA CHK	REV	Drawing Number	Sheet 3	of 60

Changed by
INI

Date Changed
24-Mar-2010

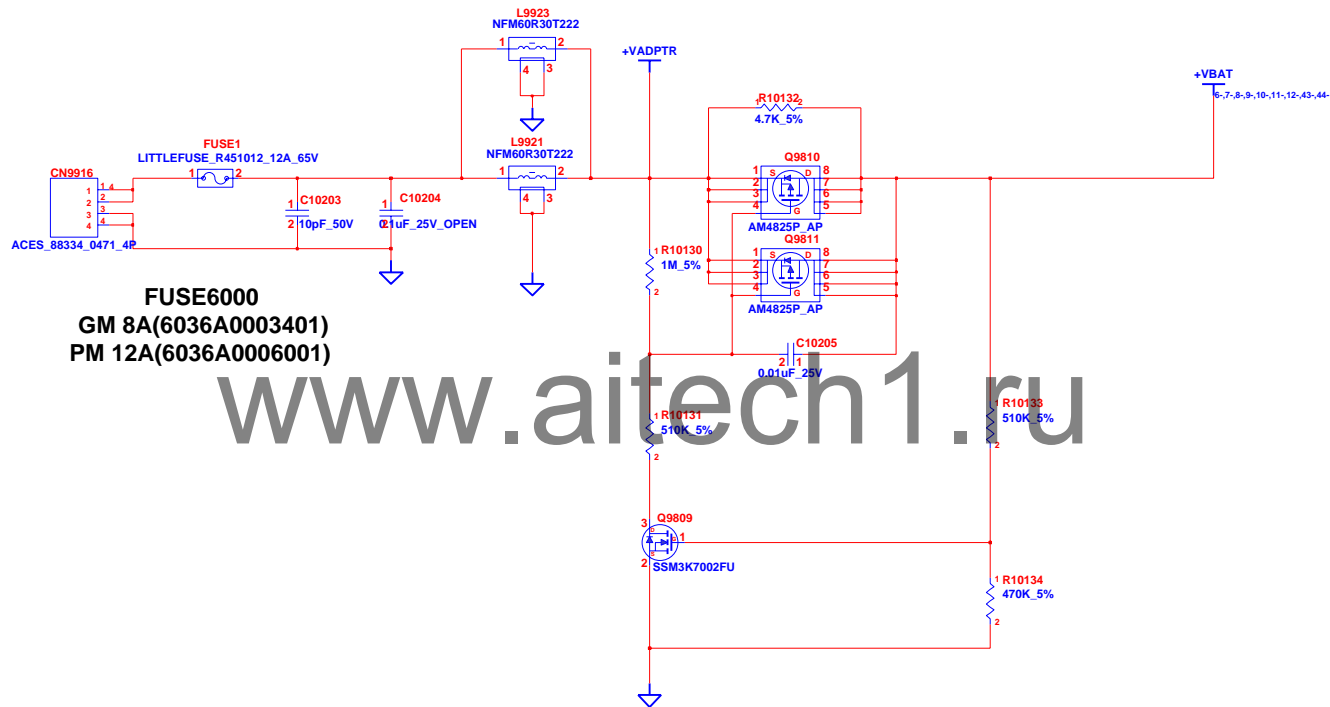
Time
7:21:56 pm

	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 Whitney Power Sequence Block			
SIZE A3	CODE CS	DOC. NUMBER	REV X01
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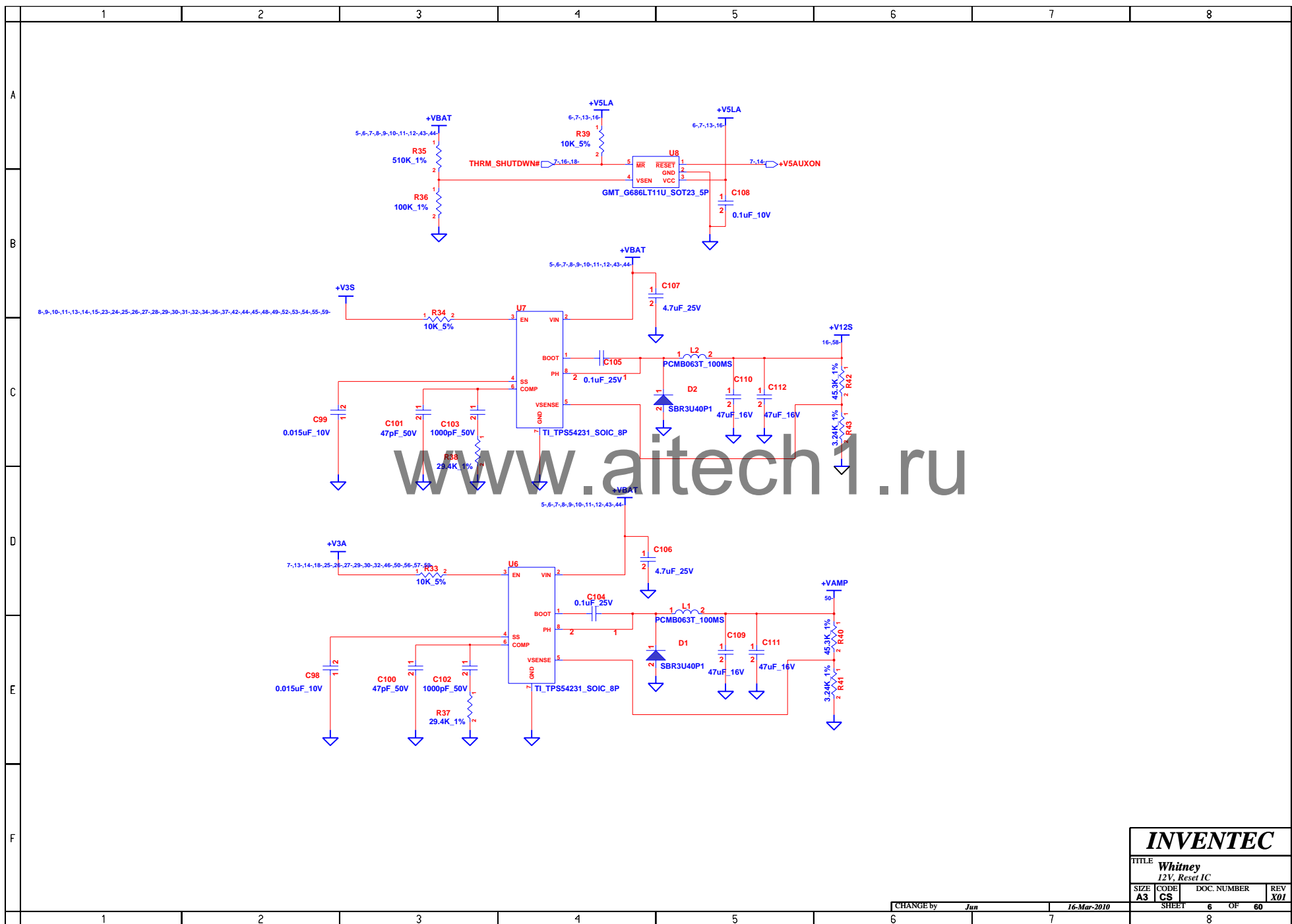


FUSE6000
GM 8A(6036A0003401)
PM 12A(6036A0006001)

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INVENTEC			
TITLE Whitney			
DC-JACK			
SIZE A3	CODE CS	DOC. NUMBER	REV X01
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CHANGE by Jun 16-Mar-2010



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TITLE			
Whitney			
12V, Reset IC			
SIZE	CODE	DOC. NUMBER	REV
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SKIPSEL	>>VRE3 OR VRE5=OOA >>VREF=ASKIP >>GND=PWM
TONSEL	>>VRE5=365/460 >>VRE3=300/375 >>VREF=245/305 >>GND=200/250

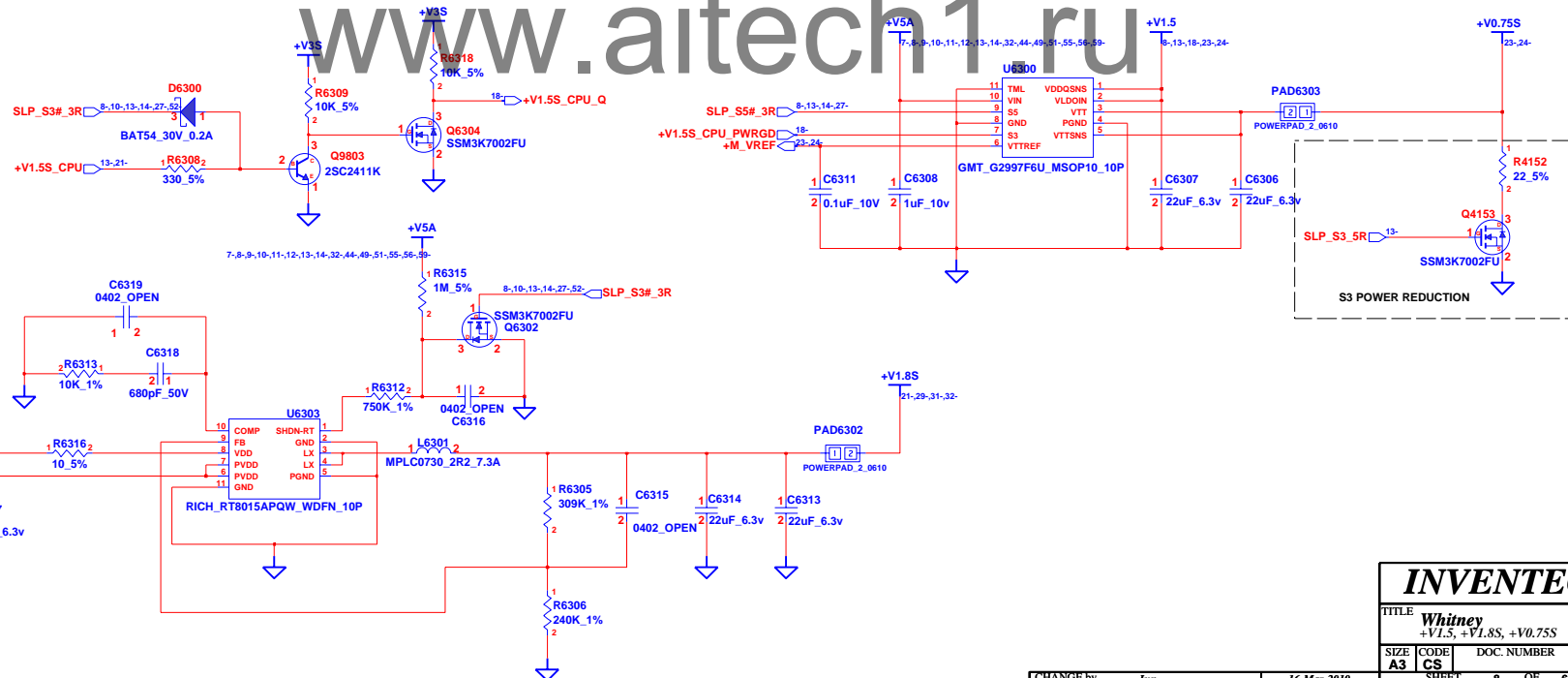
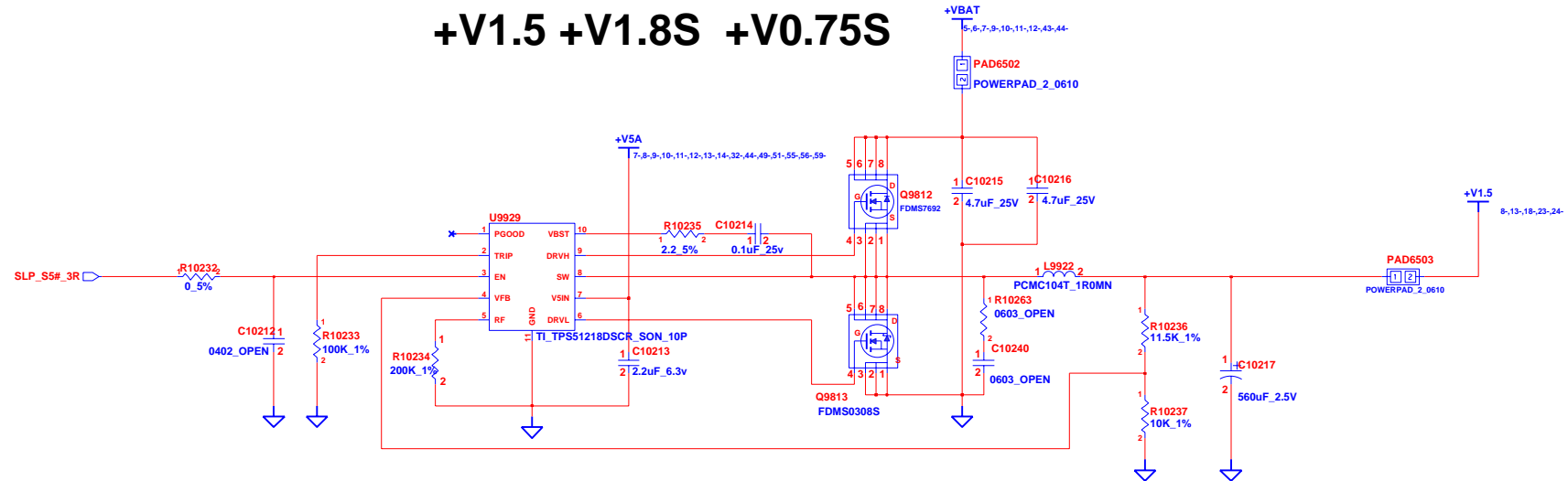
INVENTEC

TITLE			
<i>Whitney</i> +V3LA, +V3A, +V5A			
SIZE	CODE	DOC. NUMBER	REF.
A3	CS		X

CHANGE by	<i>Jun</i>	<i>19-Mar-2010</i>
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+V1.5 +V1.8S +V0.75S



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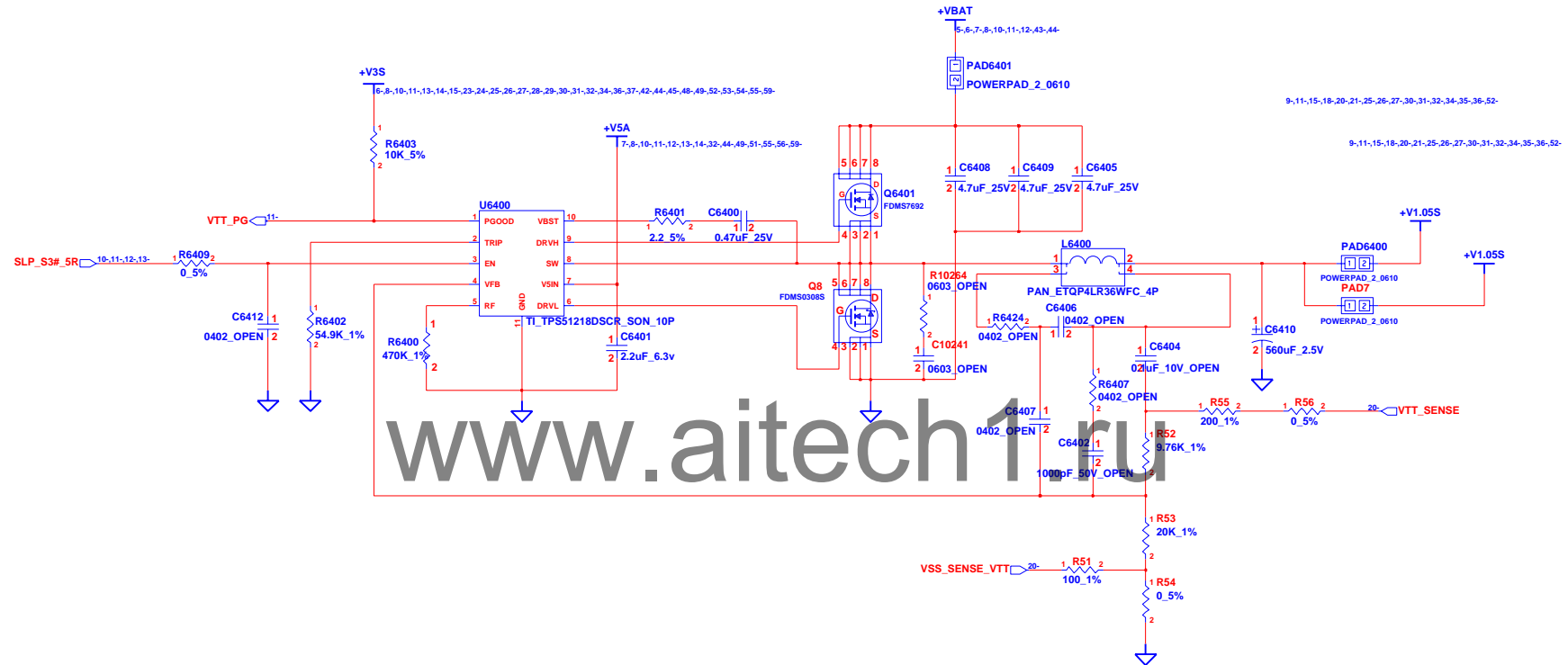
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Whitney			
+V1.5, +V1.8S, +V0.75S			
SIZE	CODE	DOC. NUMBER	REV
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8

+VTT +V1.05S



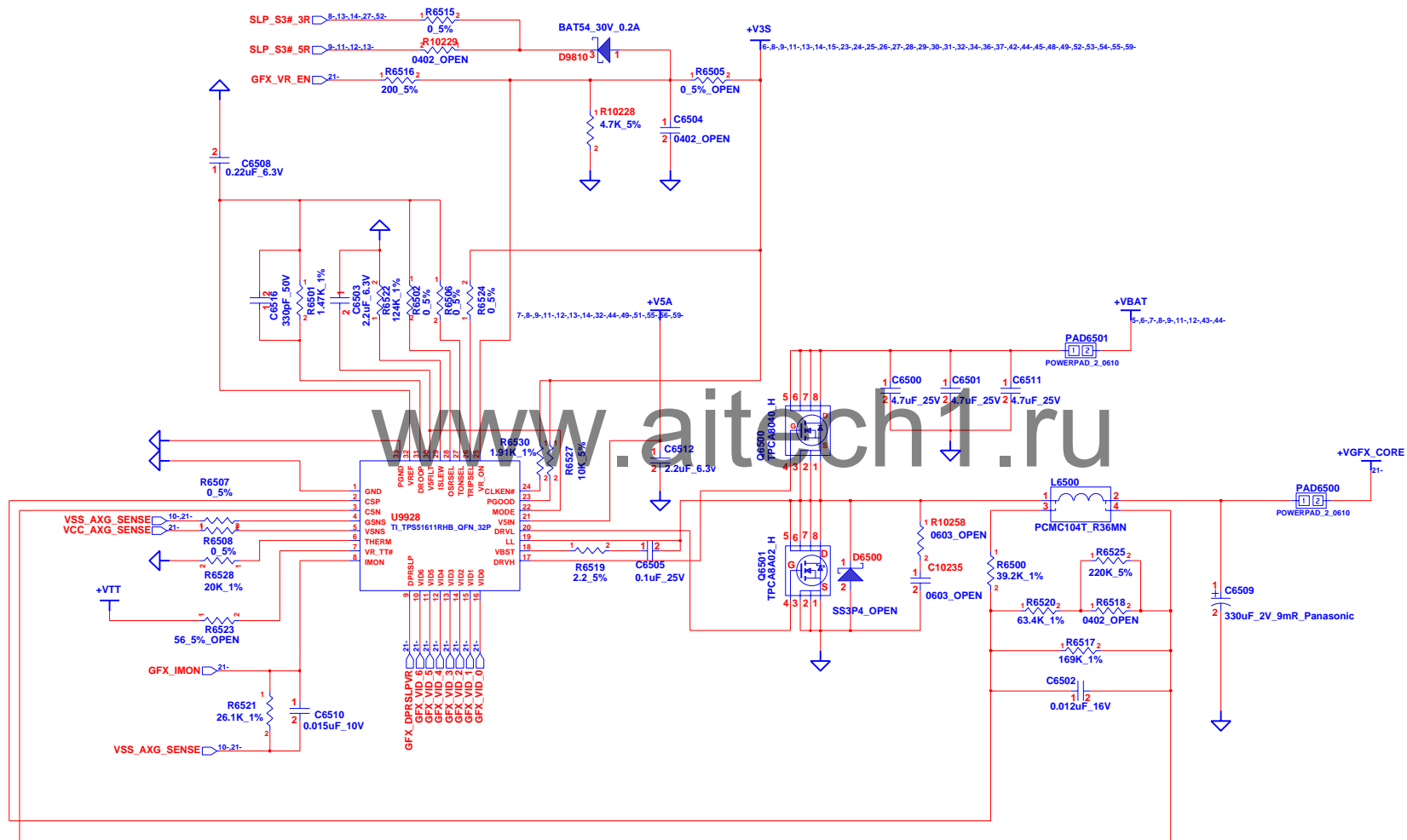
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TITLE Whitney +VTT, +V1.05S			
SIZE A3	CODE CS	DOC. NUMBER	REV X01
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CHANGE by Jun 26-Mar-2010

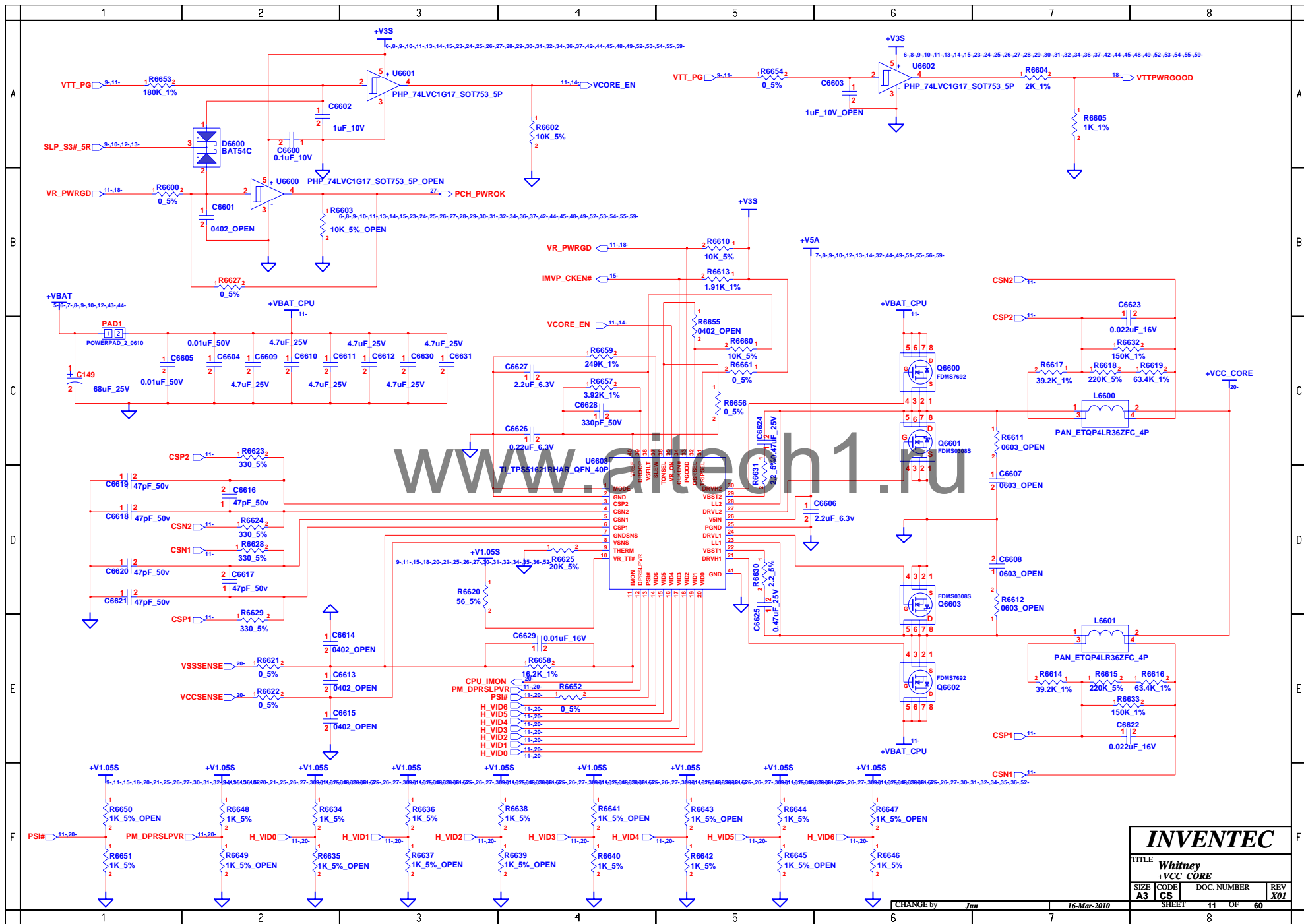
UMA : STUFF
DISCRETE : OPEN

**INVENTEC**

TITLE			
Whitney +VGFX_CORE			
SIZE	CODE	DOC. NUMBER	REV
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8		

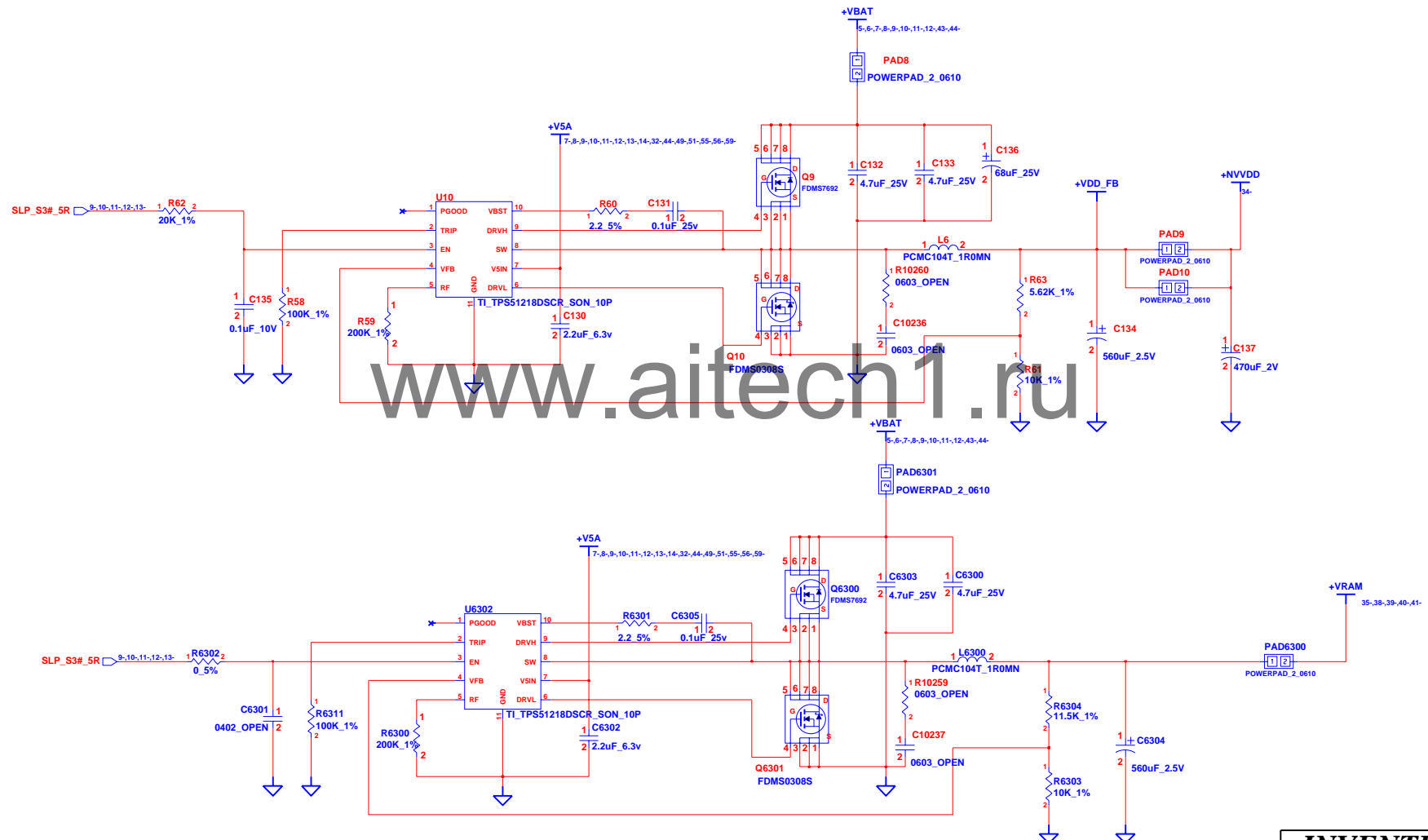


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TITLE Whitney +VCC_CORE			
SIZE A3	CODE CS	DOC. NUMBER	REV X01
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UMA OPEN +GPU_VDD +VRAM

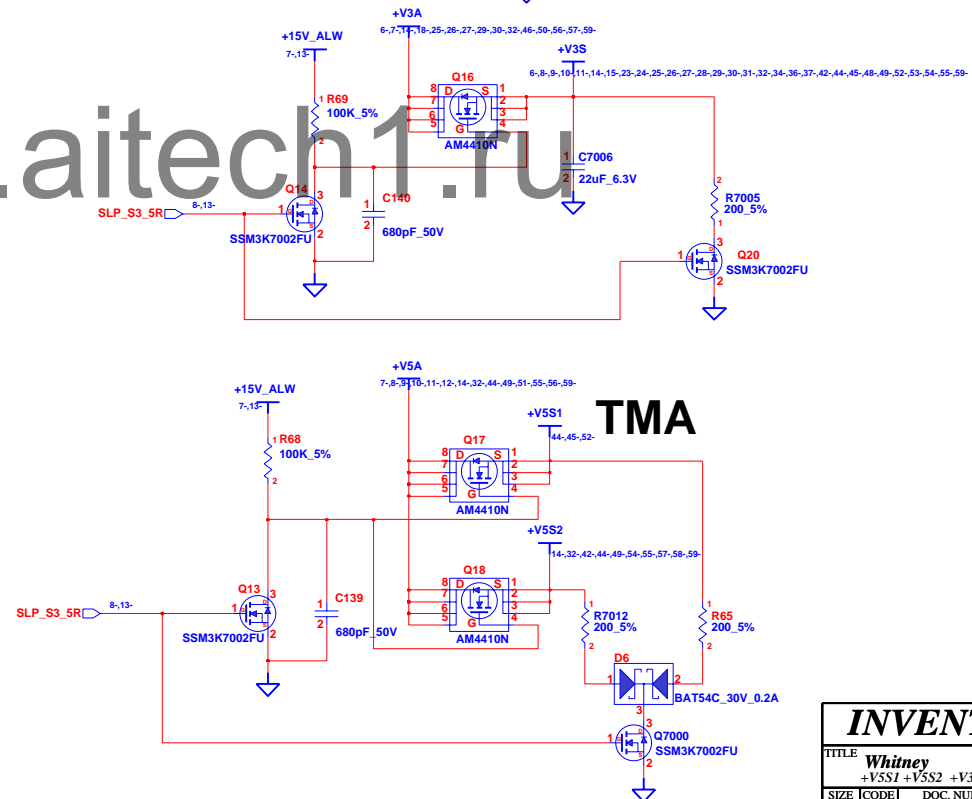
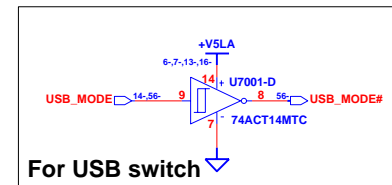
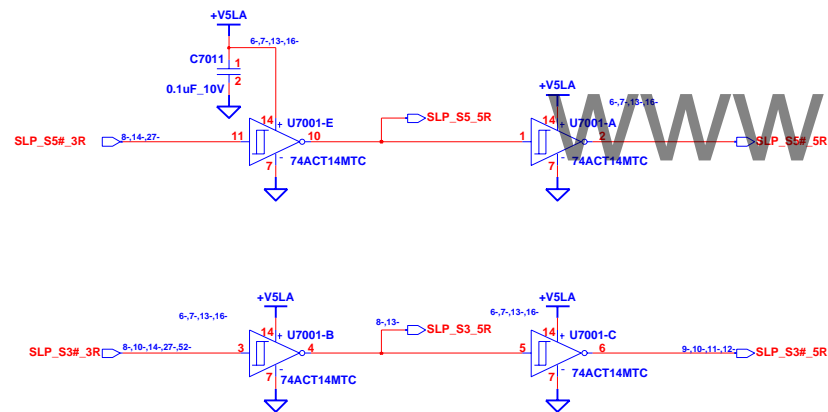
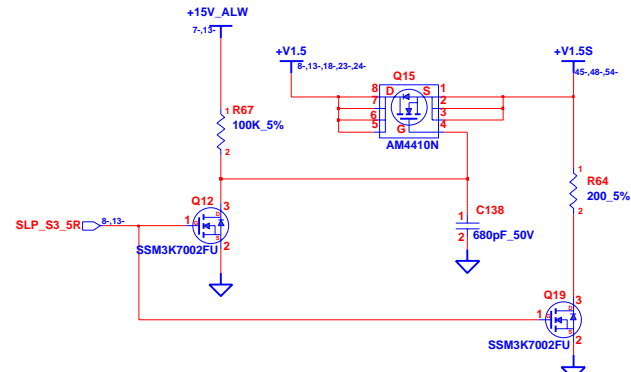
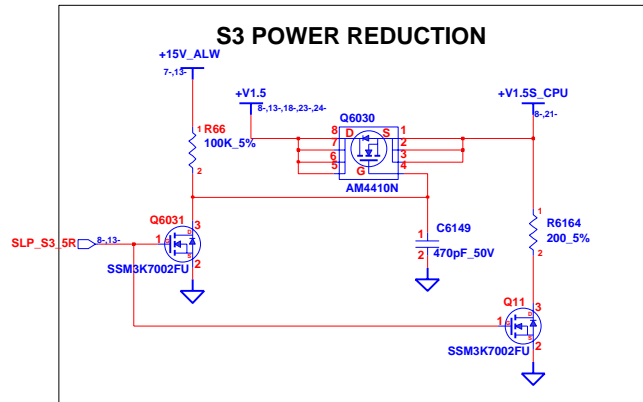


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TITLE Whitney			
GPU VCC			
SIZE A3	CODE CS	DOC. NUMBER	REV X01
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+V3S +V1.5S1 V5S2 +V1.5S_CPU



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TITLE Whitney			
+V5S1 +V5S2 +V3S +V1.5S			
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SHEET 13		OF 60	
		8	

1 2 3 4 5 6 7 8

A

B

C

D

E

F

A

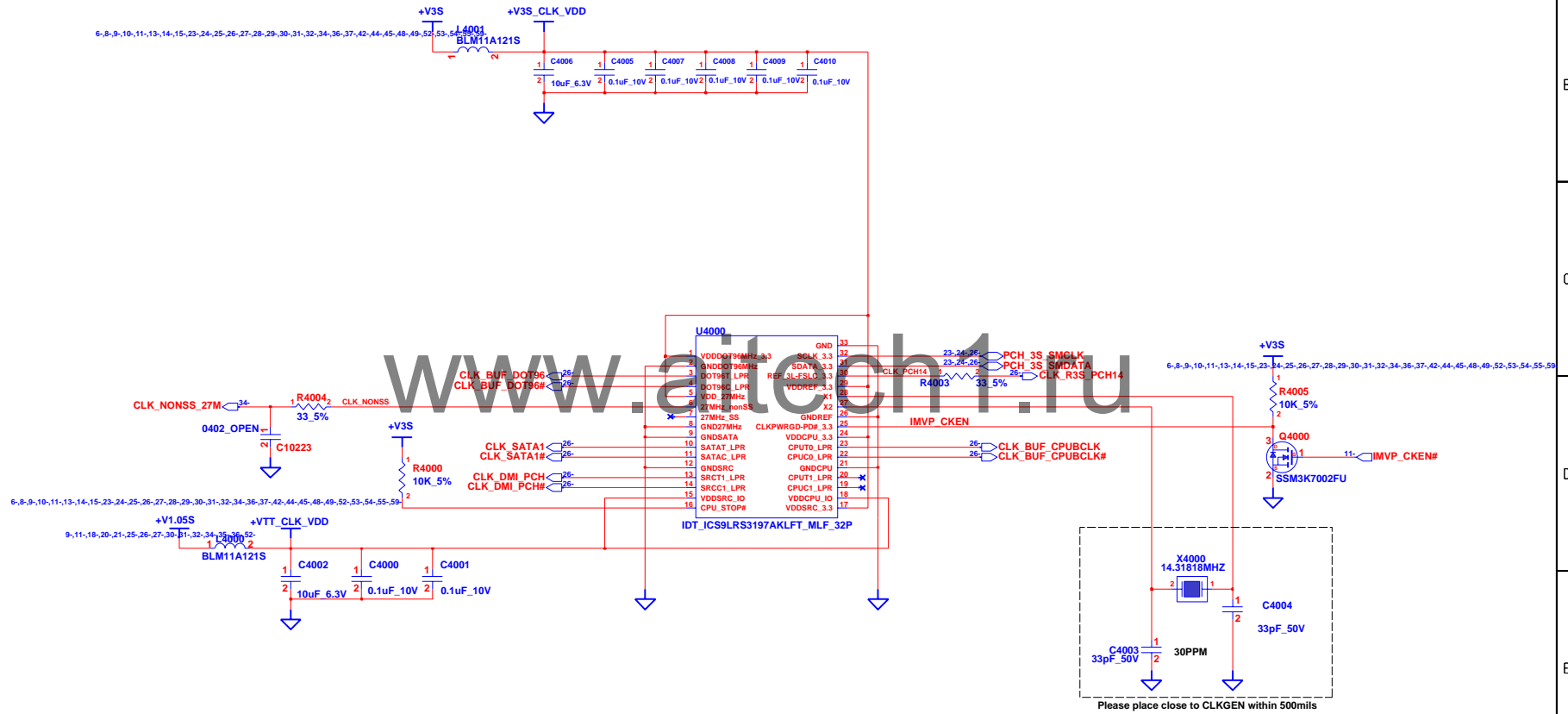
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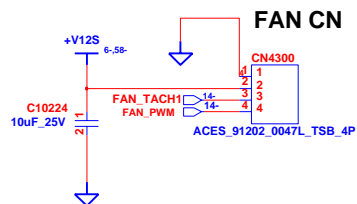


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TITLE			
Whitney			
Clock Generator			
SIZE	CODE	DOC. NUMBER	REV
A3	CS		X01
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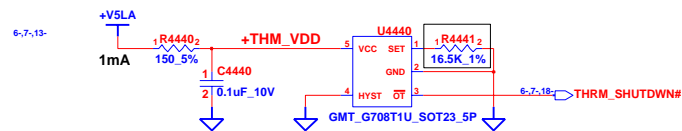
CHANGE by Jun 16-Mar-2010

1 2 3 4 5 6 7 8



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Board Thermal Sensor



Thermal shutdown at 98 C° +/- 3 C° from 60 C° to 100 C°

$$RSET = 0.0012 * T^2 - 0.9308 * T + 96.147$$

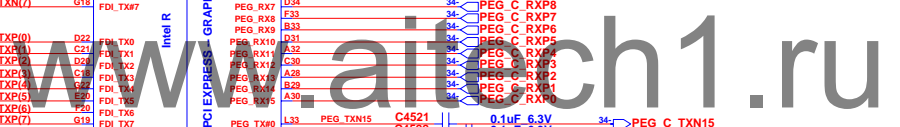
Hysteresis is 30C

INVENTEC

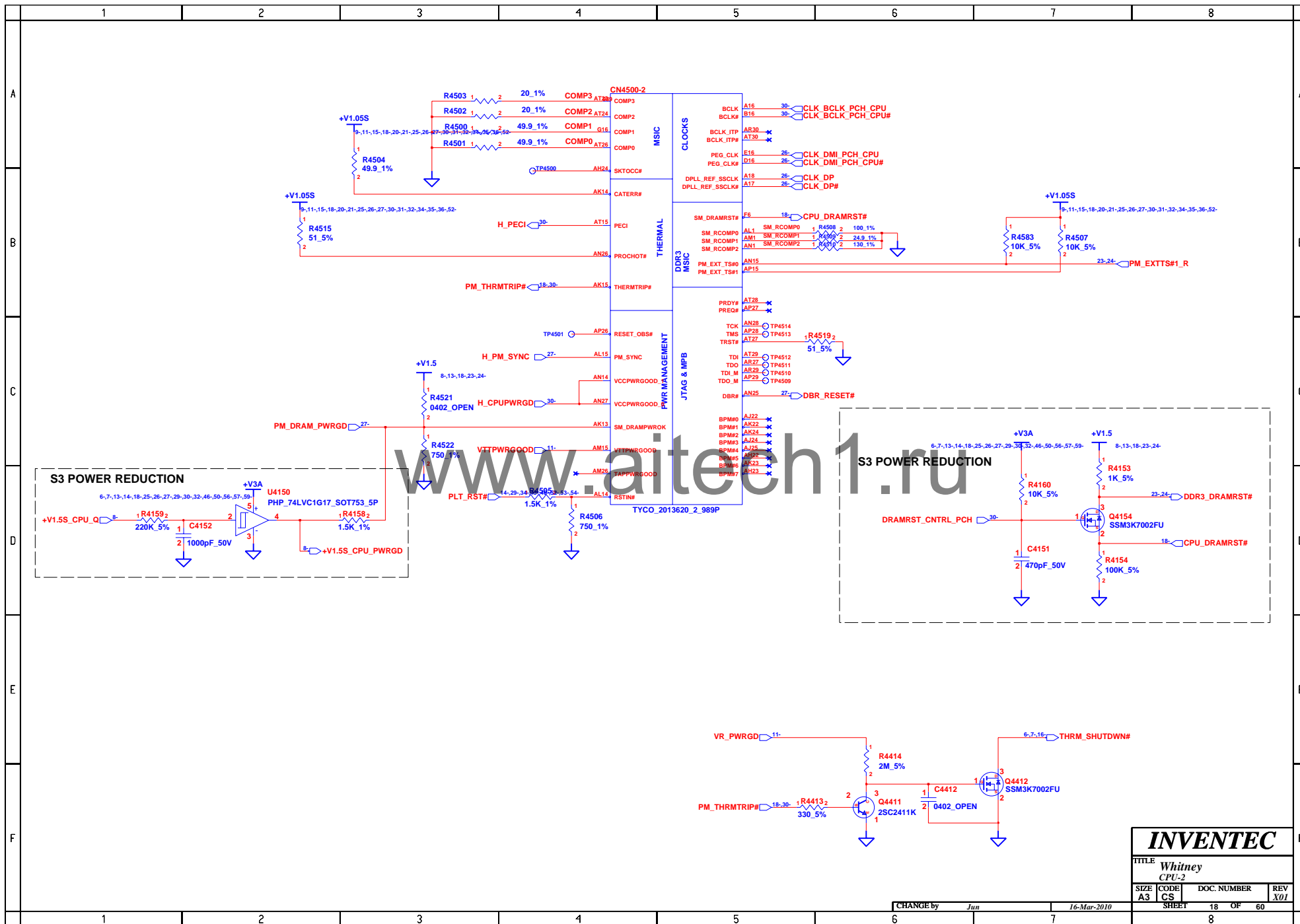
TITLE			
Whitney			
FAN, Thermal controller			
SIZE	CODE	DOC. NUMBER	REV
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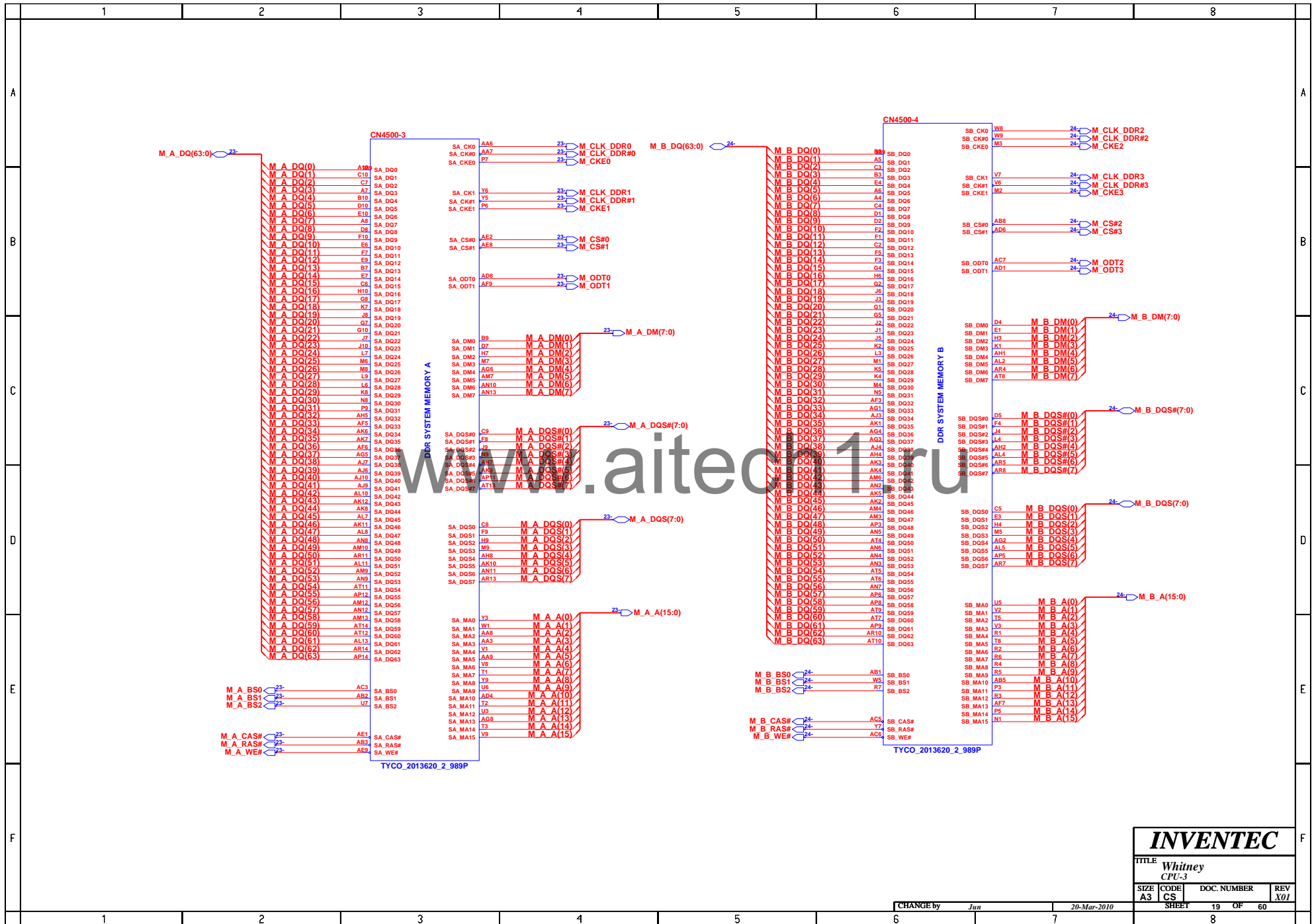
CHANGE by	<i>Jun</i>	<i>16-Mar-2010</i>
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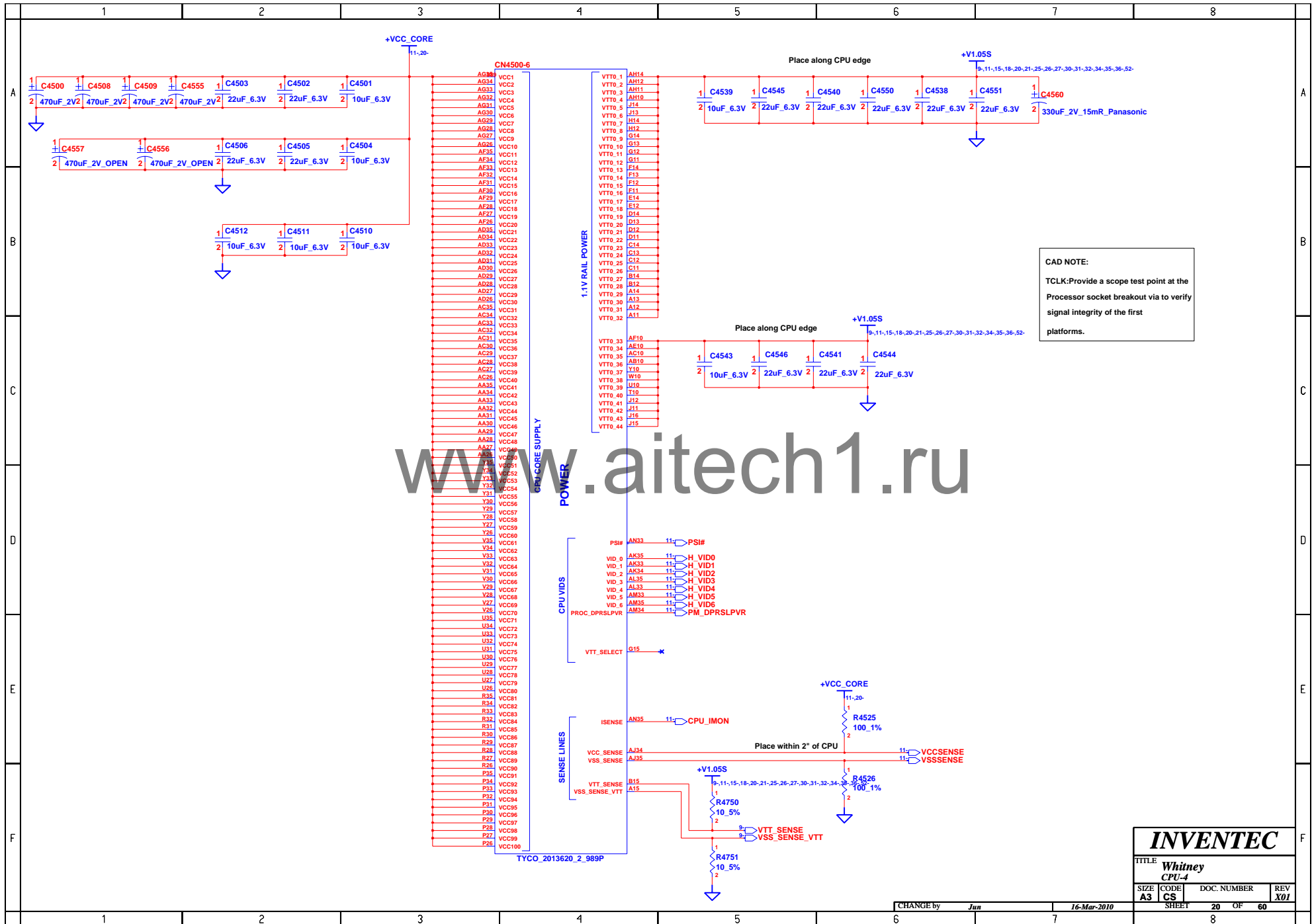


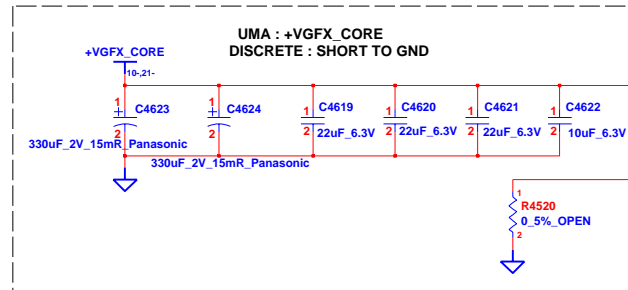
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TITLE Whitney CPU-2			
SIZE A3	CODE CS	DOC. NUMBER SHEET 18 OF 60	REV X01

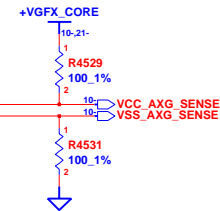
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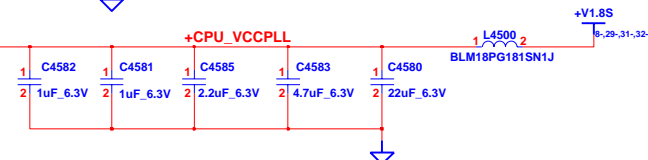
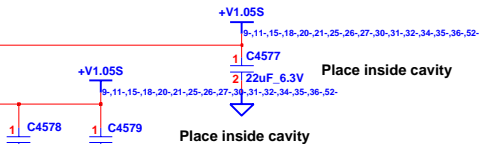
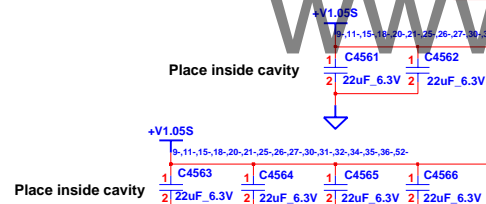




Route VCC_AXG_SENSE and
VSS_AXG_SENSE
differentially



**UMA : OPEN
DISCRETE : STUFF**



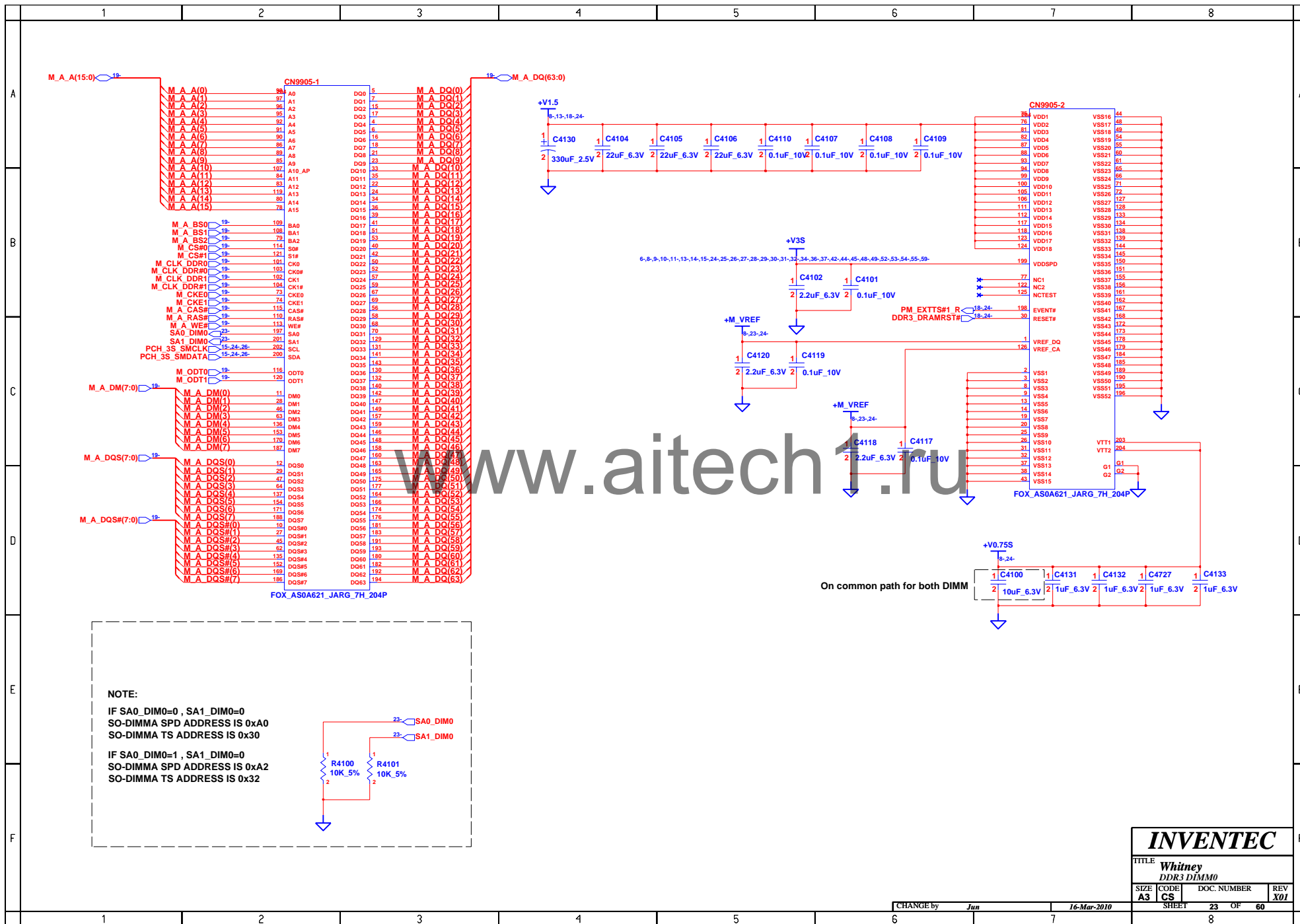
www.altech1.ru

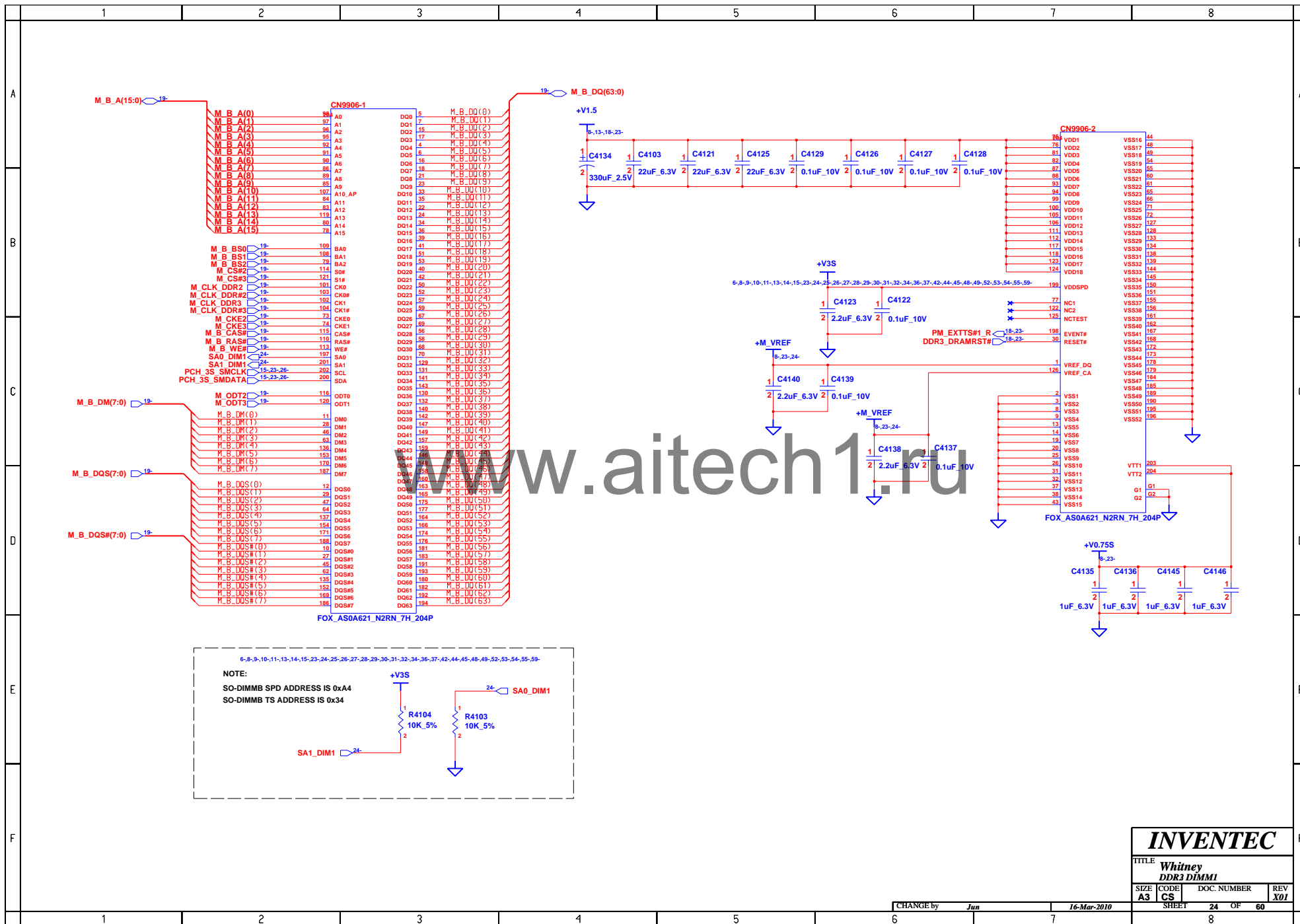
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TITLE Whitney CPU-5			
SIZE A3	CODE CS	DOC. NUMBER SHEET	REV X01

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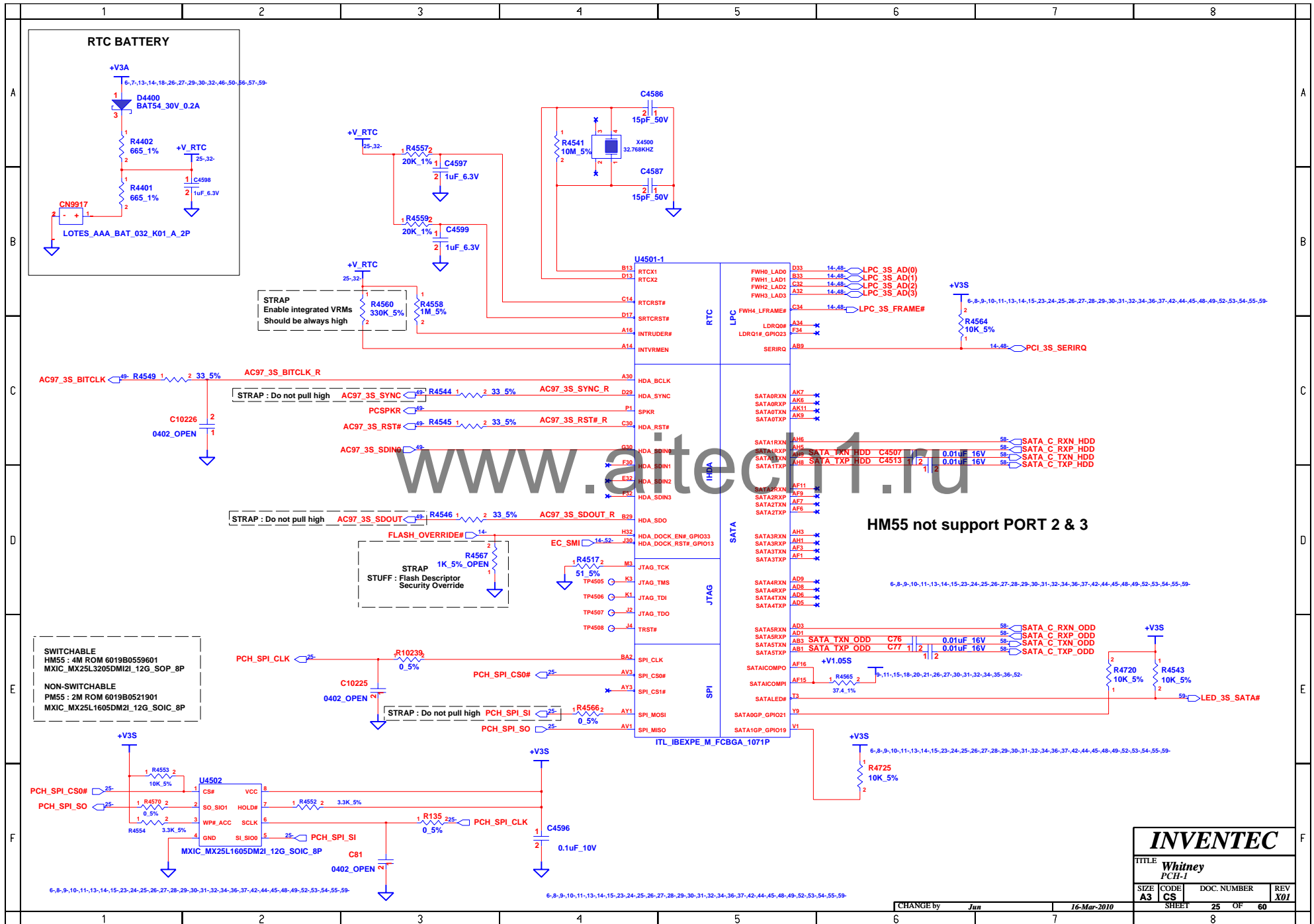


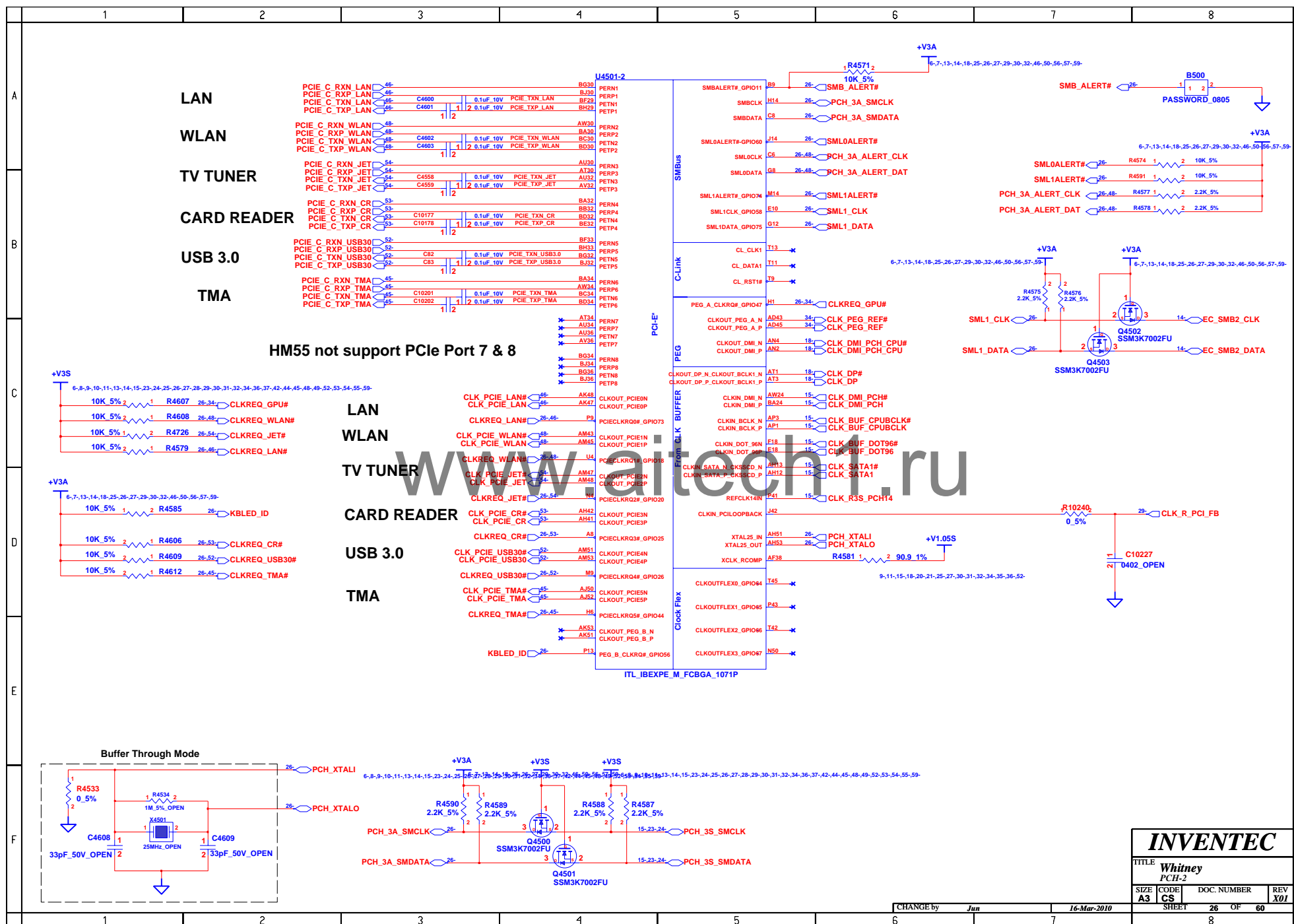


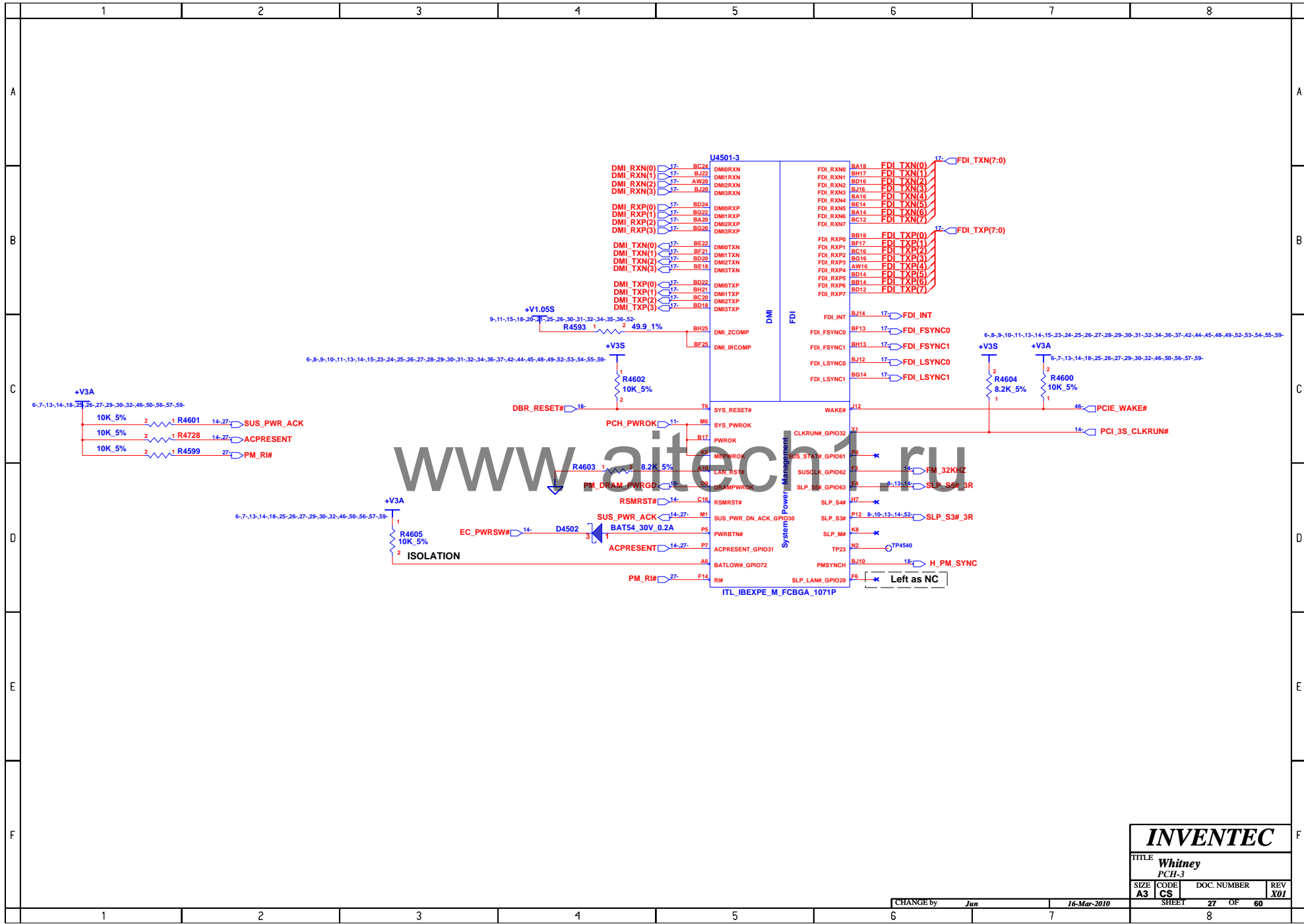
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TITLE Whitney DDR3 DIMM1			
SIZE A3	CODE CS	DOC. NUMBER	REV X01
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CHANGE by Jun 16-Mar-2010



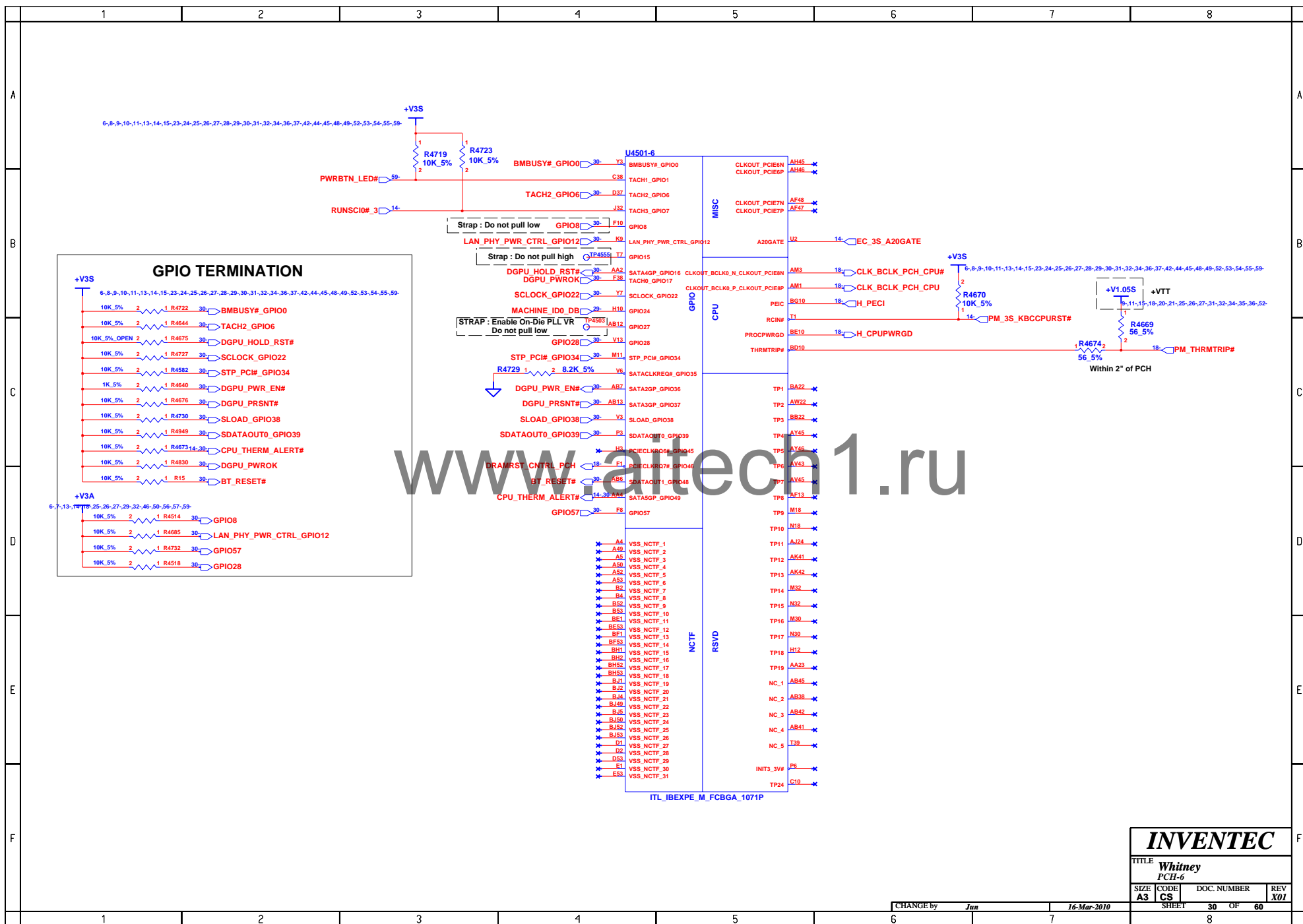


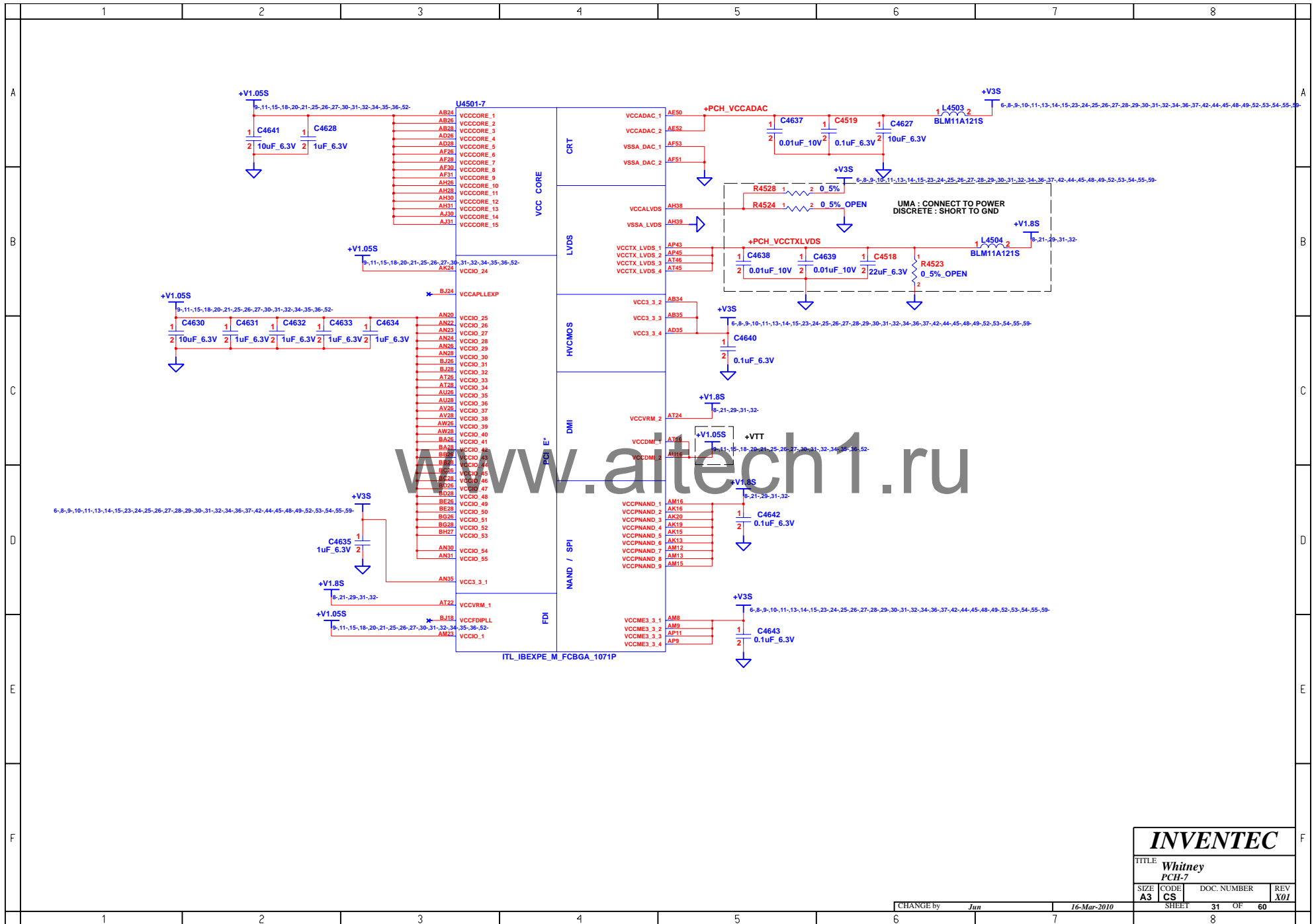


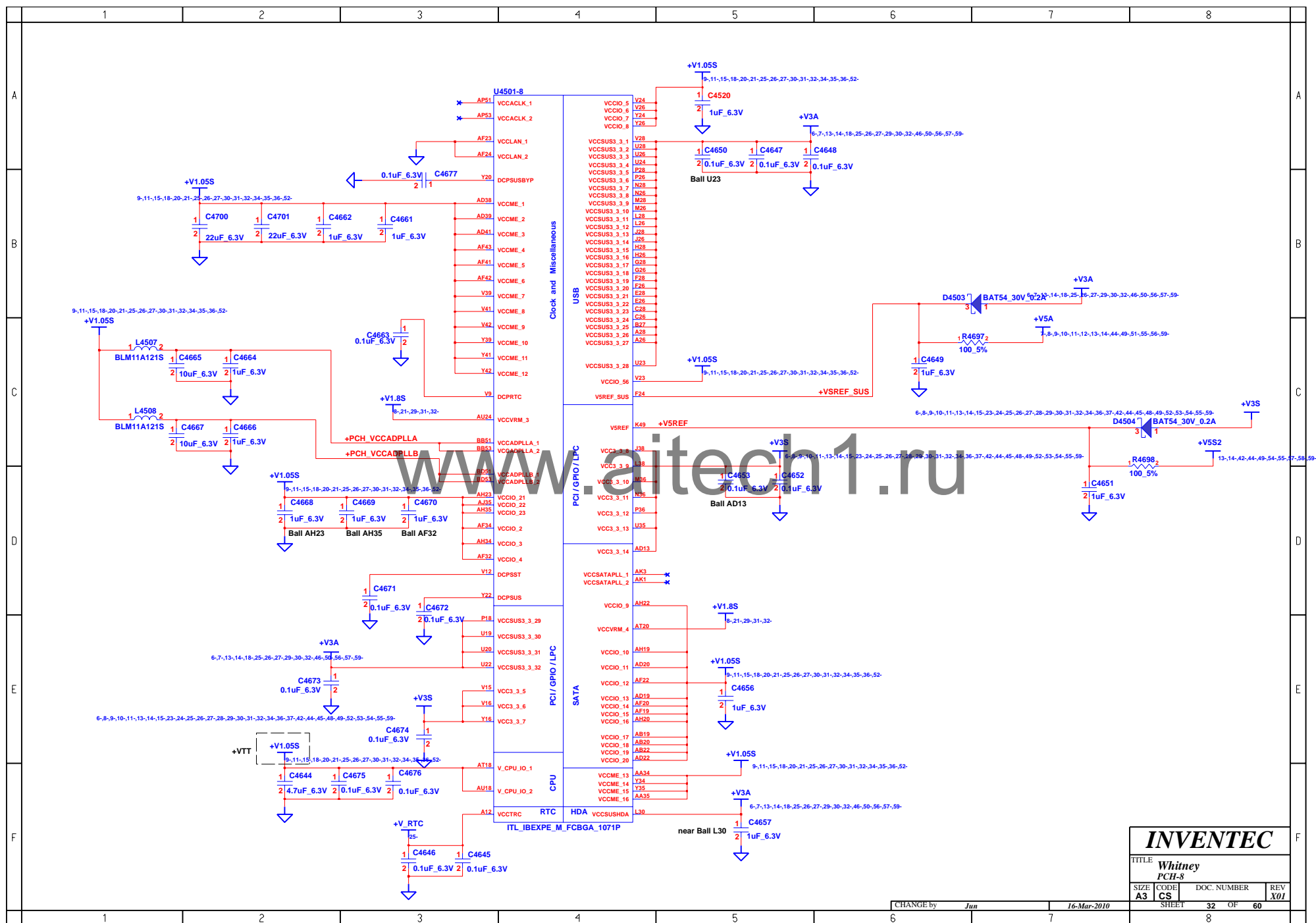
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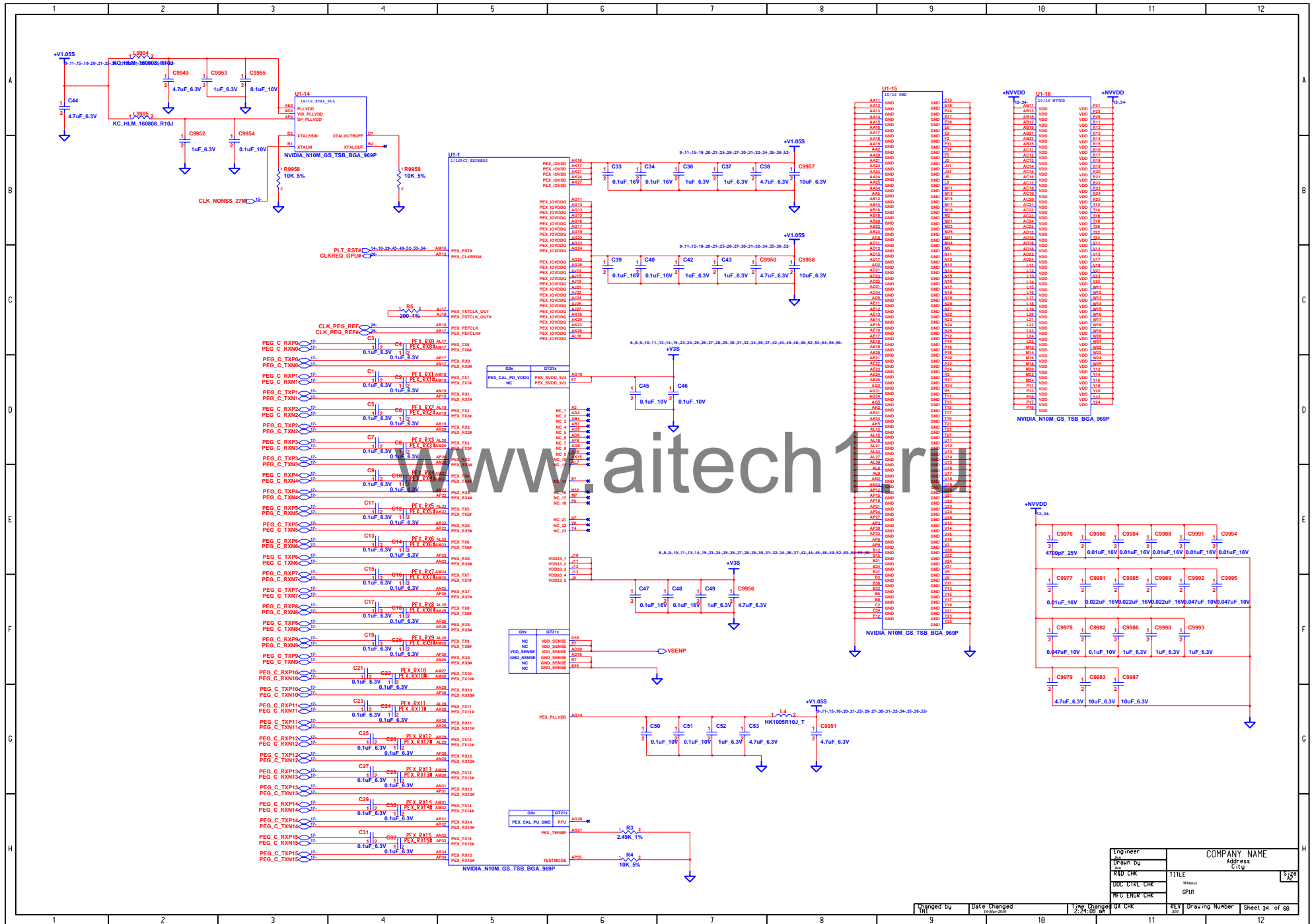
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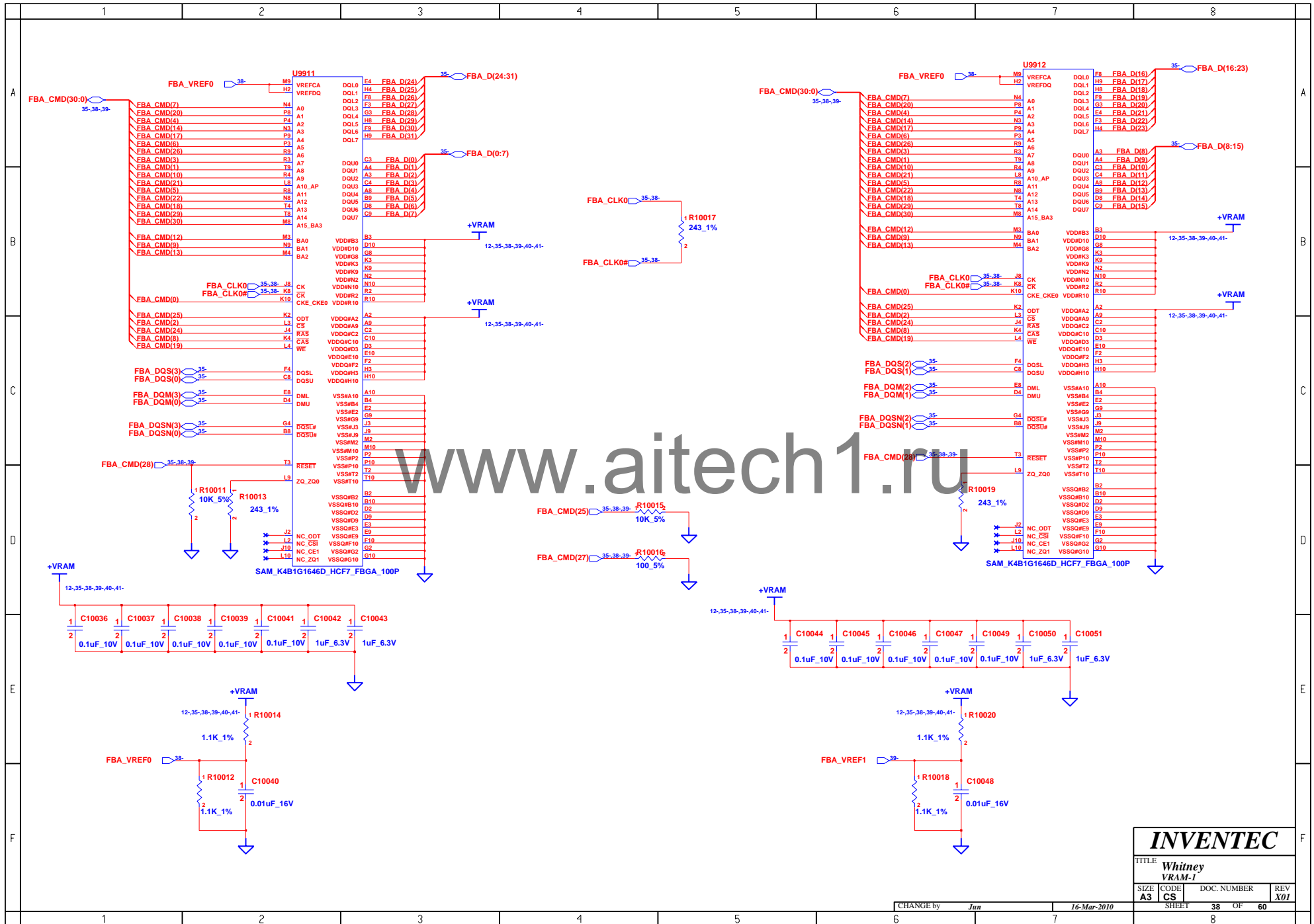
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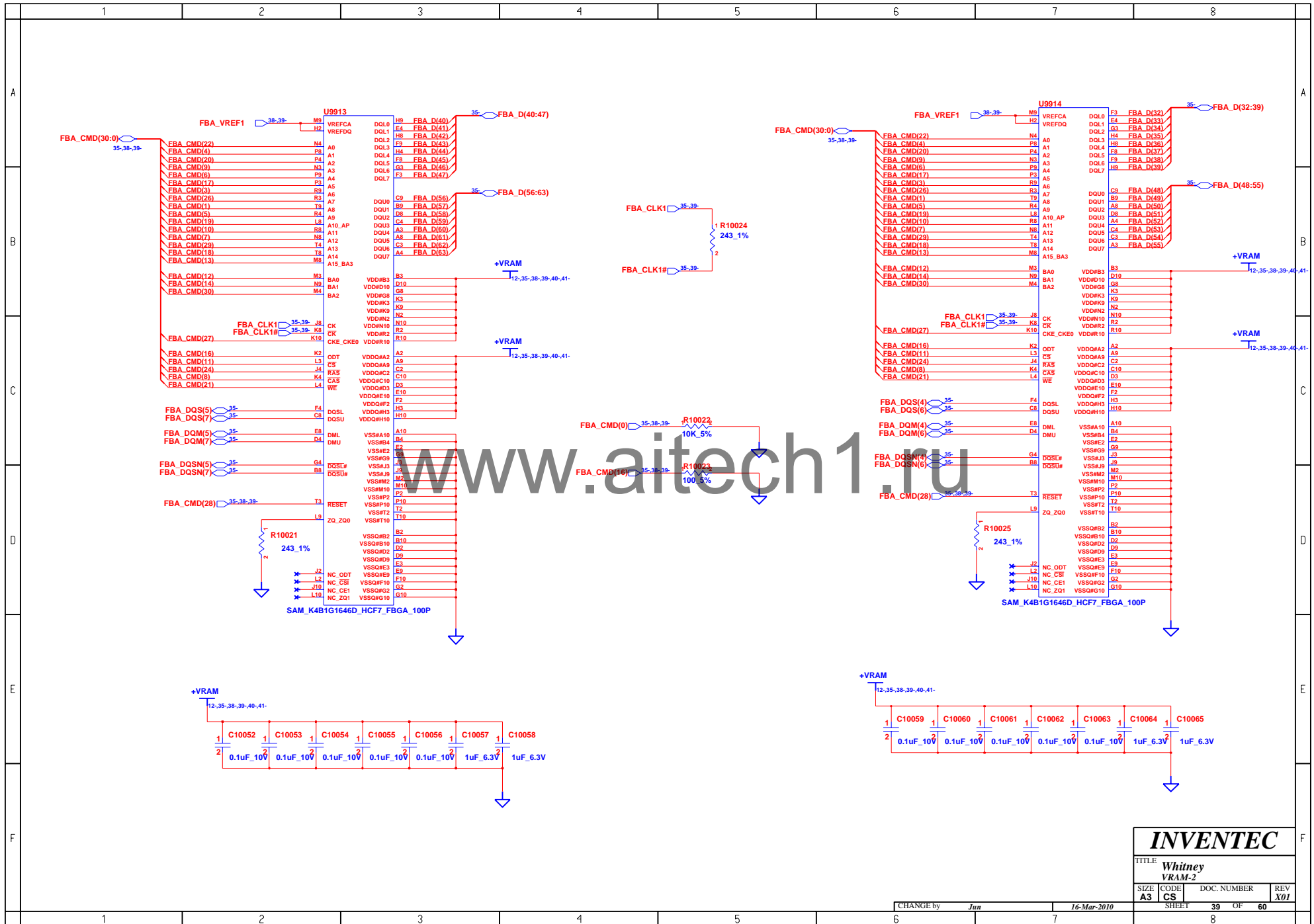




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SIZE A3	CODE CS	DOC. NUMBER	REV X01
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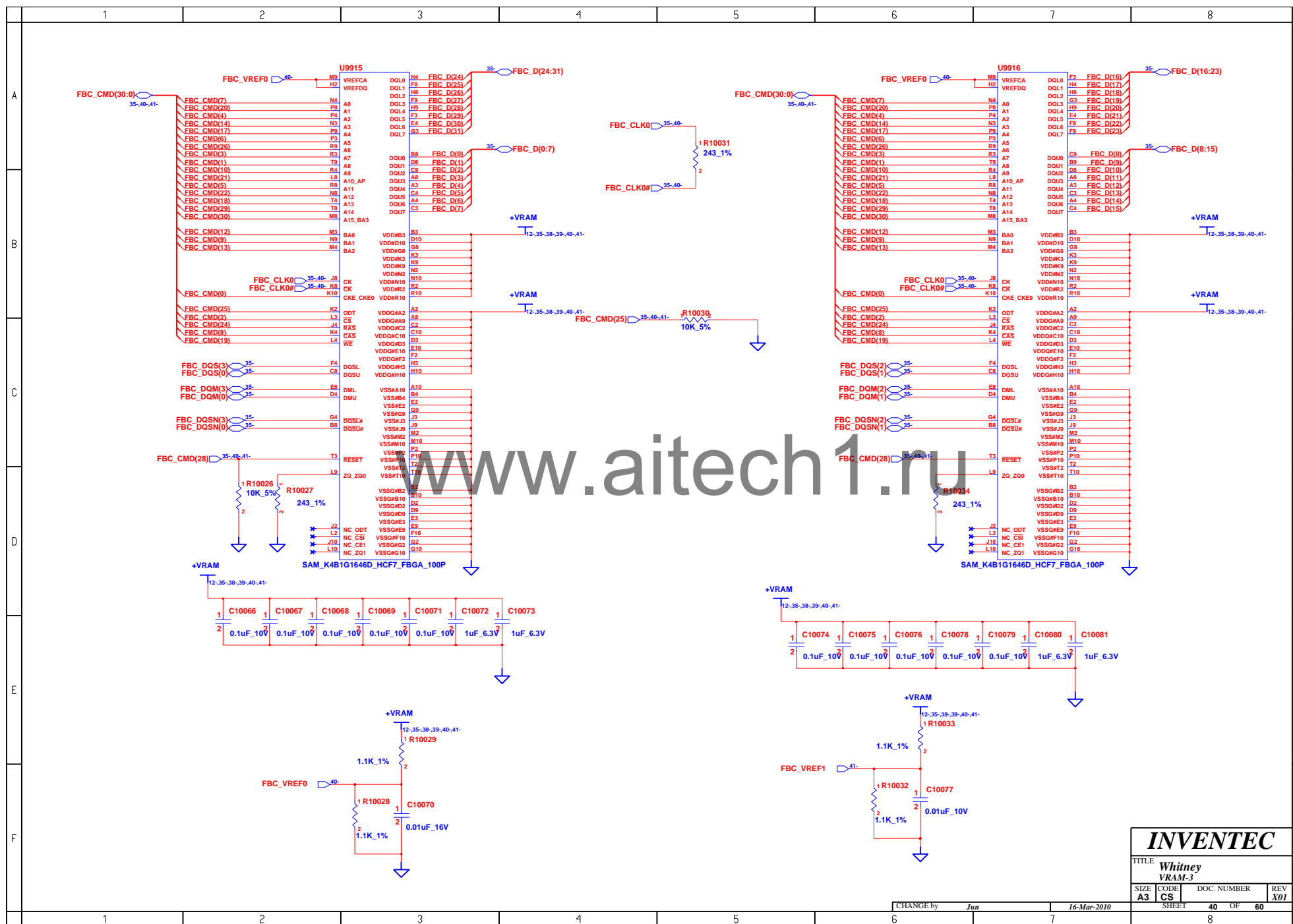


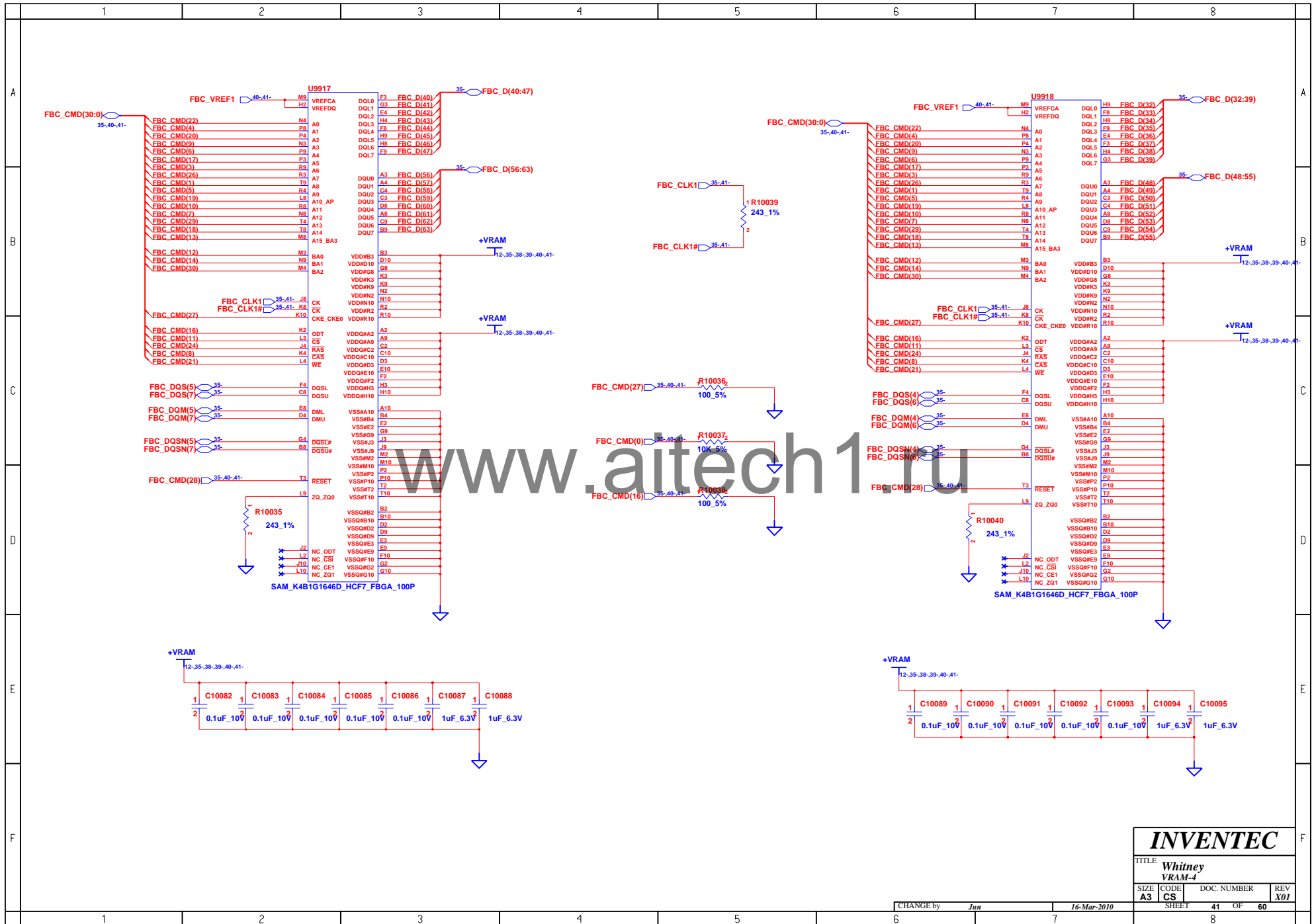
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TITLE Whitney VRAM-2			
SIZE A3	CODE CS	DOC. NUMBER SHEET 39 OF 60	REV X01

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INVENTEC

TITLE Whitney VRAM-4			
SIZE A3	CODE CS	DOC. NUMBER SHEET	REV X01

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LVDS & CRT

CRT FOR DEBUG

INVENTEC

TITLE: Whitney LCM (UMA) / D-SUB

SIZE	CODE	DOC. NUMBER	REV
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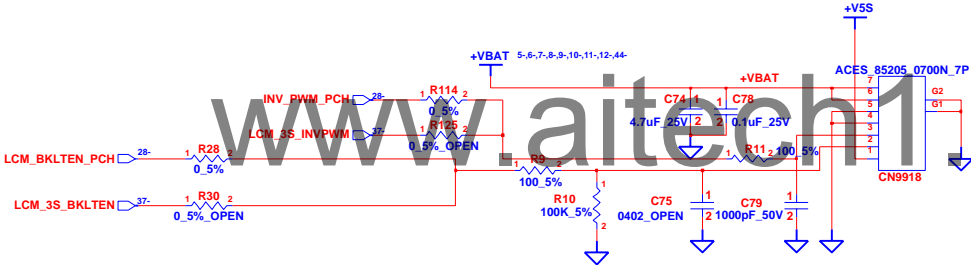
SHEET 42 OF 60

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CRT FOR DEBUG

INVENTEC			
TITLE Whitney LCM (UMA) / D-SUB			
SIZE A3	CODE CS	DOC. NUMBER	REV X01
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INVT CNTR

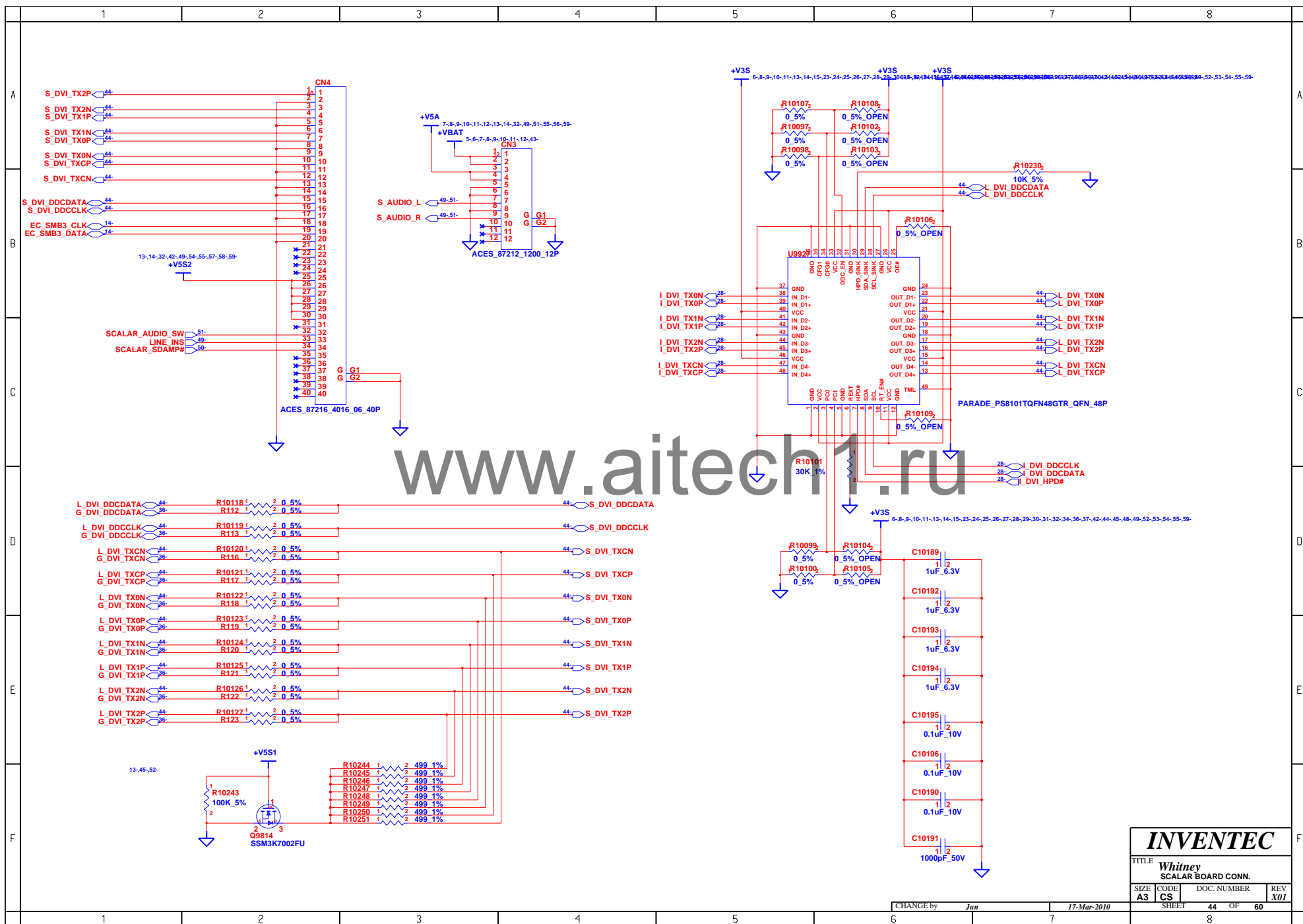


INVENTEC

TITLE			Whitney		
			LCM-2 (GPU) / D-SUB2		
SIZE	CODE	DOC. NUMBER	REV		
A3	CS		X01		

CHANGE by Jun 16-Mar-2010

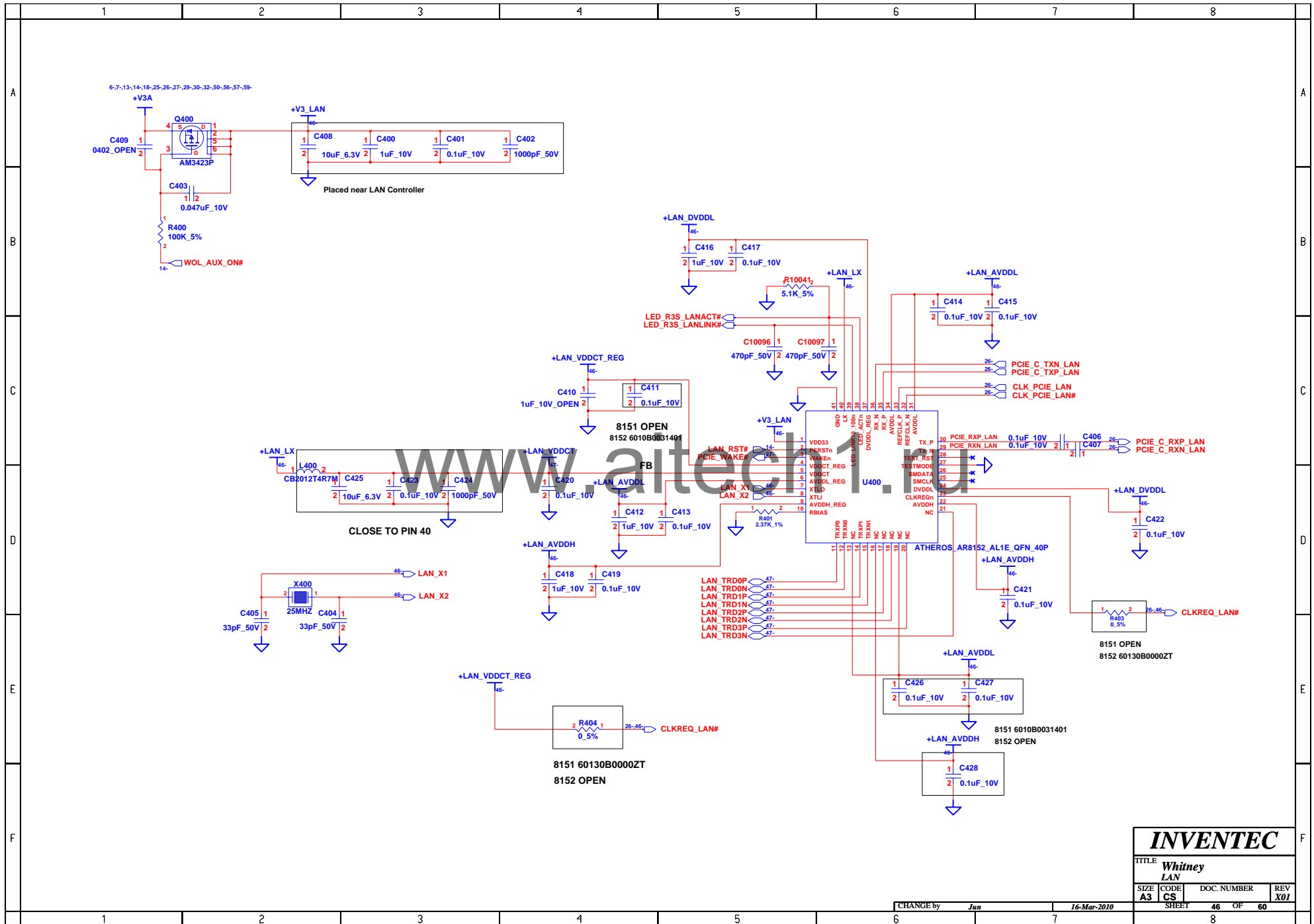
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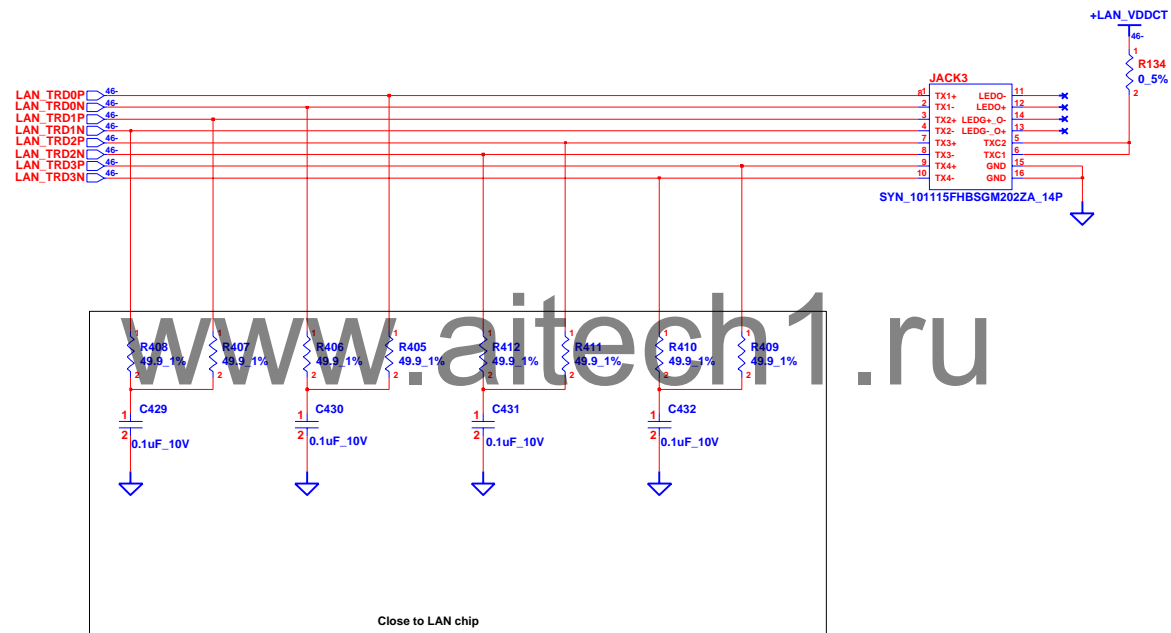


SPURS ENGINEER CNTR

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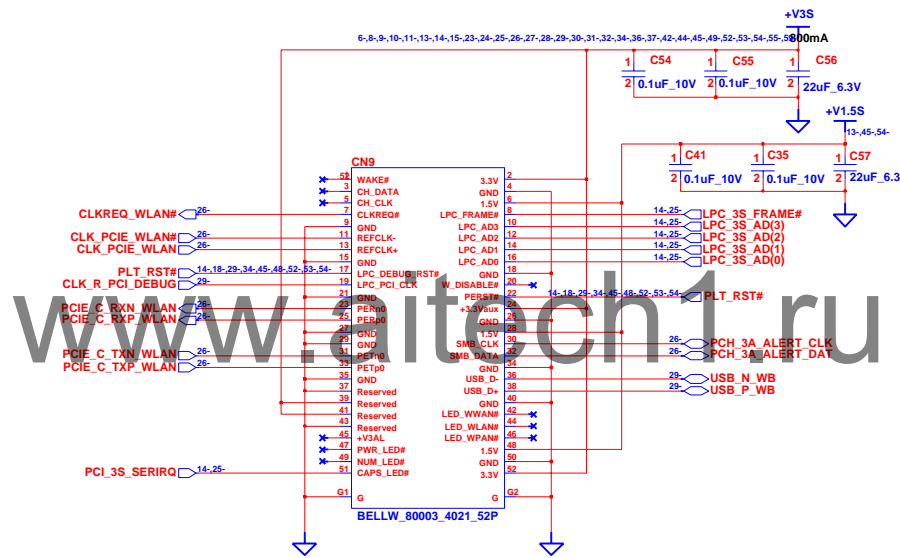
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Whitney	
SPURS ENGINEER CNTR	
SIZE	CODE
A3	CS
DOC. NUMBER	REV
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SHEET	
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Jun	
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INVENTEC			
TITLE Whitney Transformer, RJ45			
SIZE A3	CODE CS	DOC. NUMBER	REV X01
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WiFi + BT CNTR

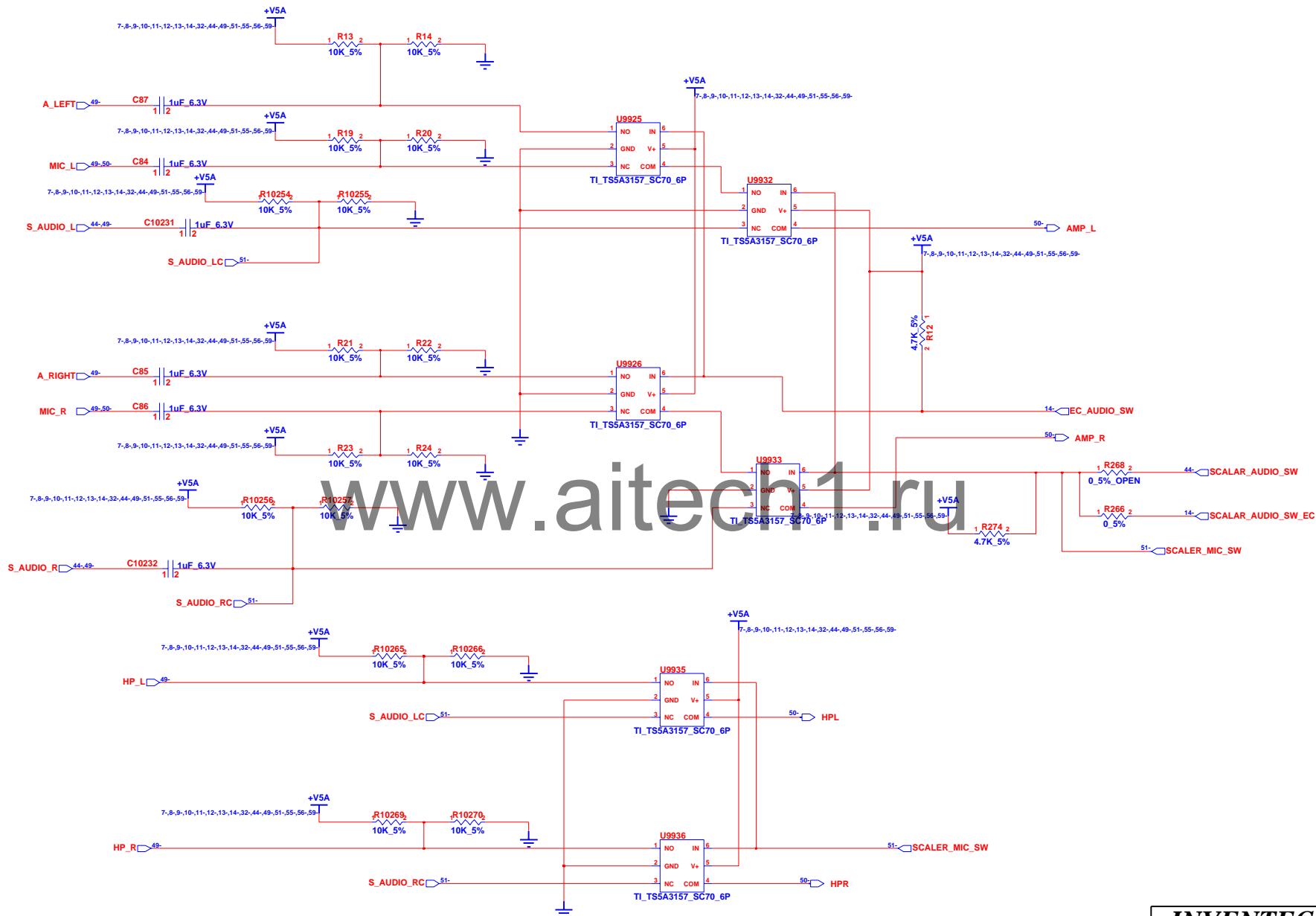


INVENTEC

TITLE			
Whitney			
WiFi + BT CNTR			
SIZE	CODE	DOC. NUMBER	REV
A3	CS		X01

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INVENTEC

TITLE			
Whitney AUDIO SW			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	X01
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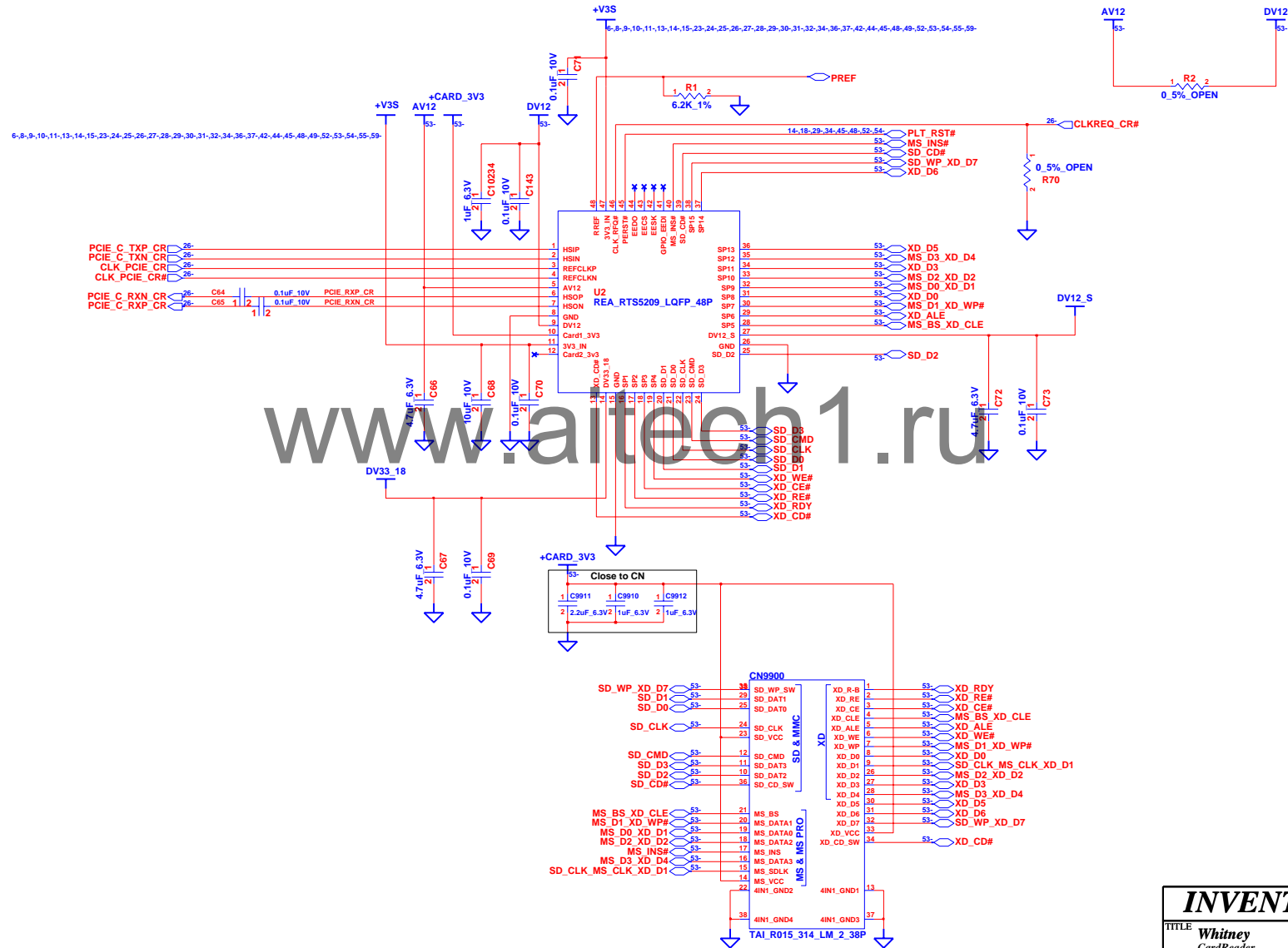
CHANGE by Jun Feng 17-Mar-2010

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USB 3.0 CNTR to Daughter Board

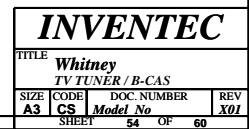
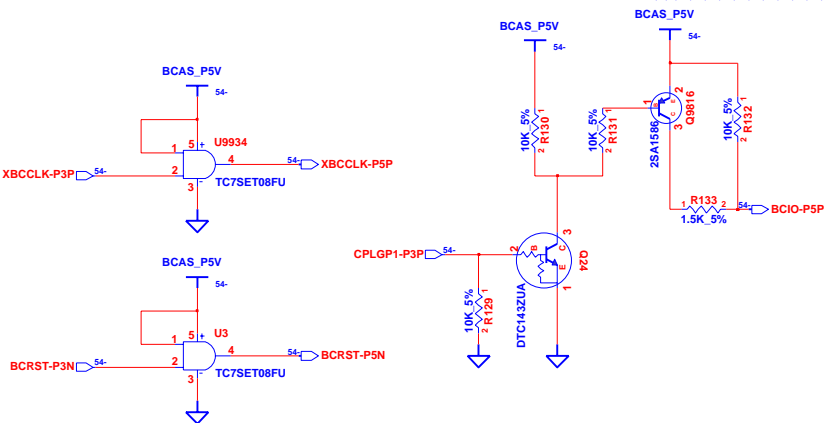
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SIZE A3	CODE CS	DOC. NUMBER <i>Model No</i>	REV X01
CHANGE by <i>Jun Feng</i>		16-Mar-2010	
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CARD READER BOARD

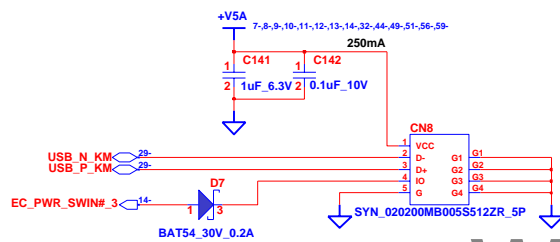


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TITLE Whitney CardReader			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV X01
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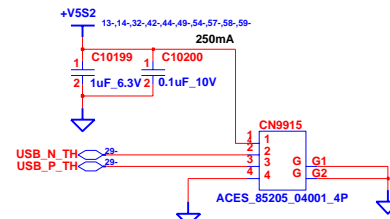
CHANGE by Jun Feng 11-Mar-2010



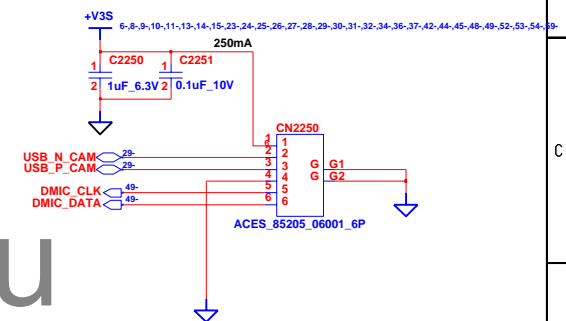
RF K/B M/S



MULTI TOUCH



WEBCAM

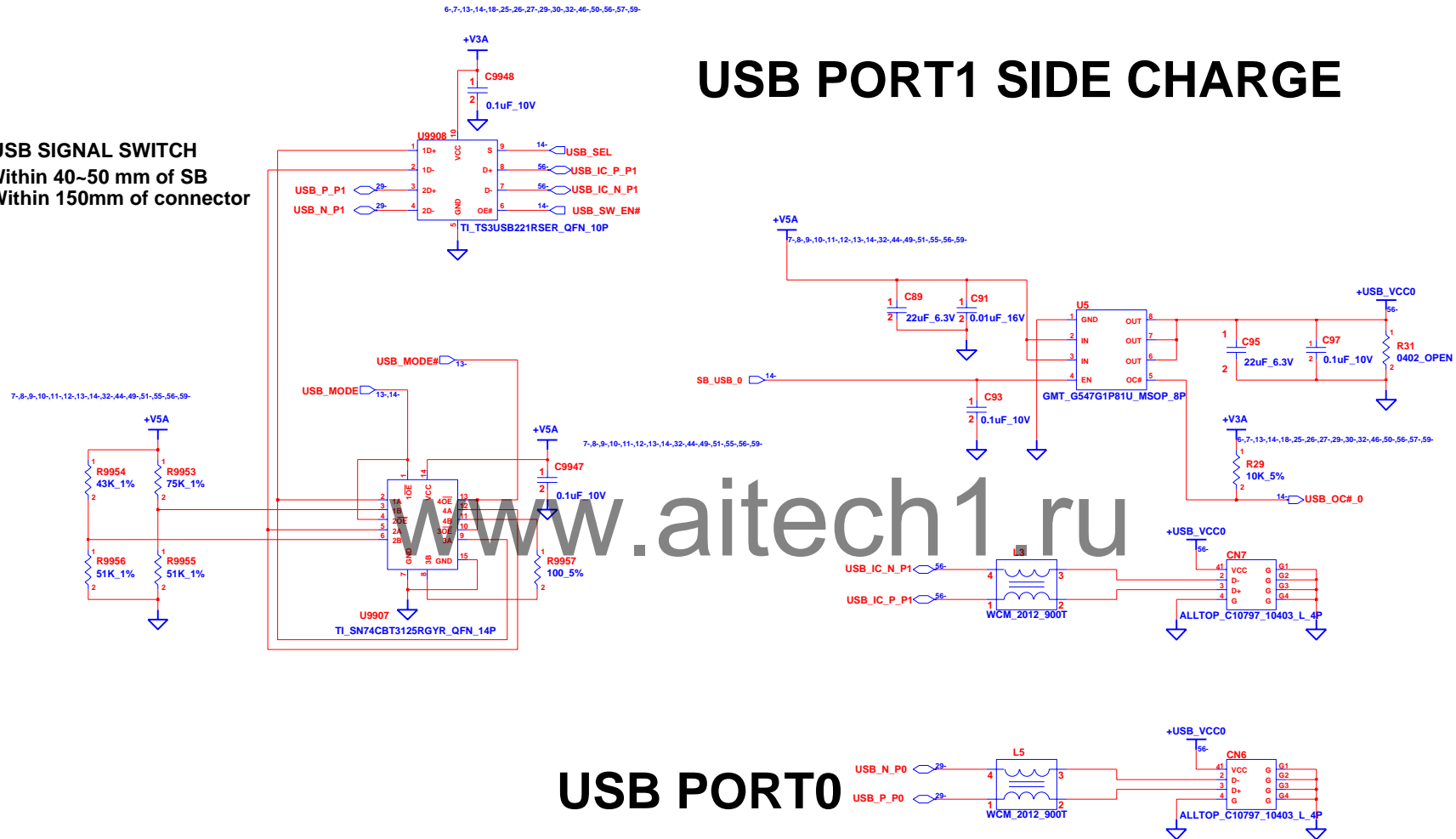


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INVENTEC			
TITLE Whitney			
Camera / Multi Touch CNTR/KB/MS			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV X01
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USB PORT1 SIDE CHARGE

USB SIGNAL SWITCH
Within 40~50 mm of SB
Within 150mm of connector

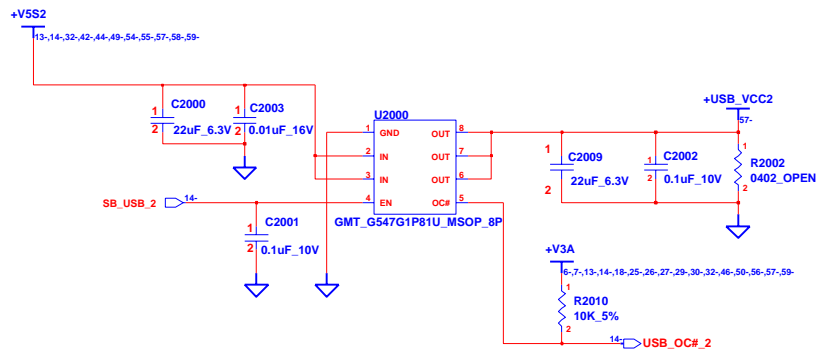


USB PORT0

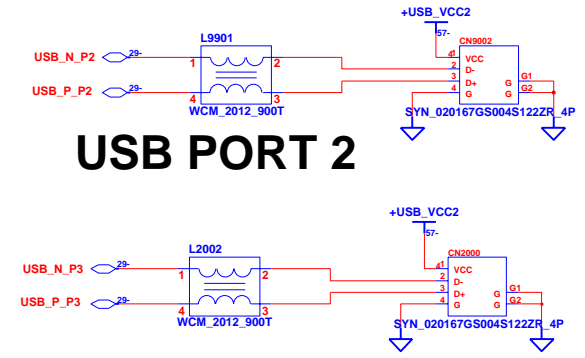
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TITLE			
Whitney			
USB2.0			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	X01
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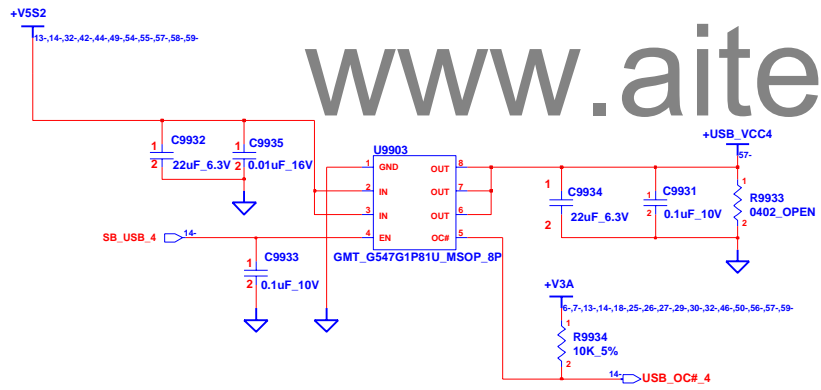
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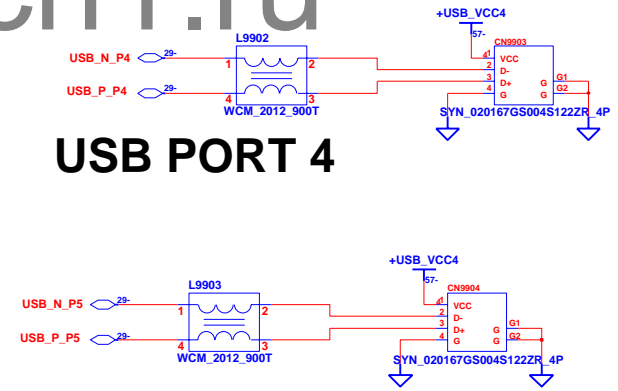
USB PORT 2



USB PORT 3



USB PORT 4



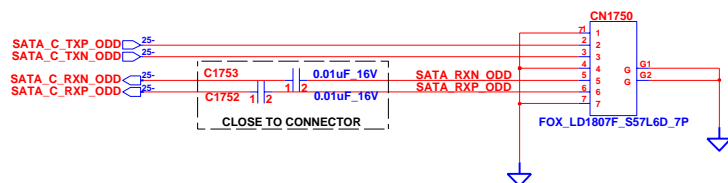
USB PORT 5

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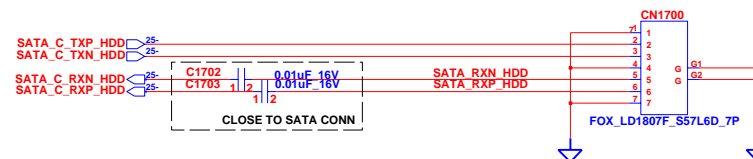
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TITLE Whitney			
USB2.0			
SIZE A3	CODE CS	DOC. NUMBER Model No	REV X01
SHEET 57		OF 60	

CHANGE by Jun Feng 16-Mar-2010

SATA ODD

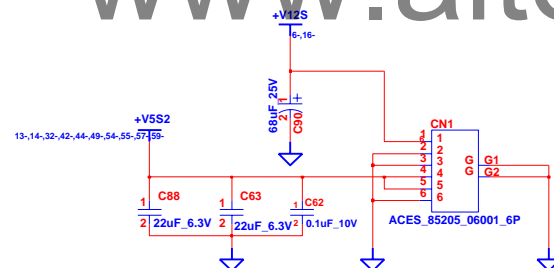


SATA HDD



www.aitech1.ru

SATA POWER



INVENTEC

TITLE			
Whitney			
SATA HDD, SATA ODD			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	X01
SHEET		58	OF 60

CHANGE by Jun Feng 11-Mar-2010

8

KEYBOARD FOR DEBUG

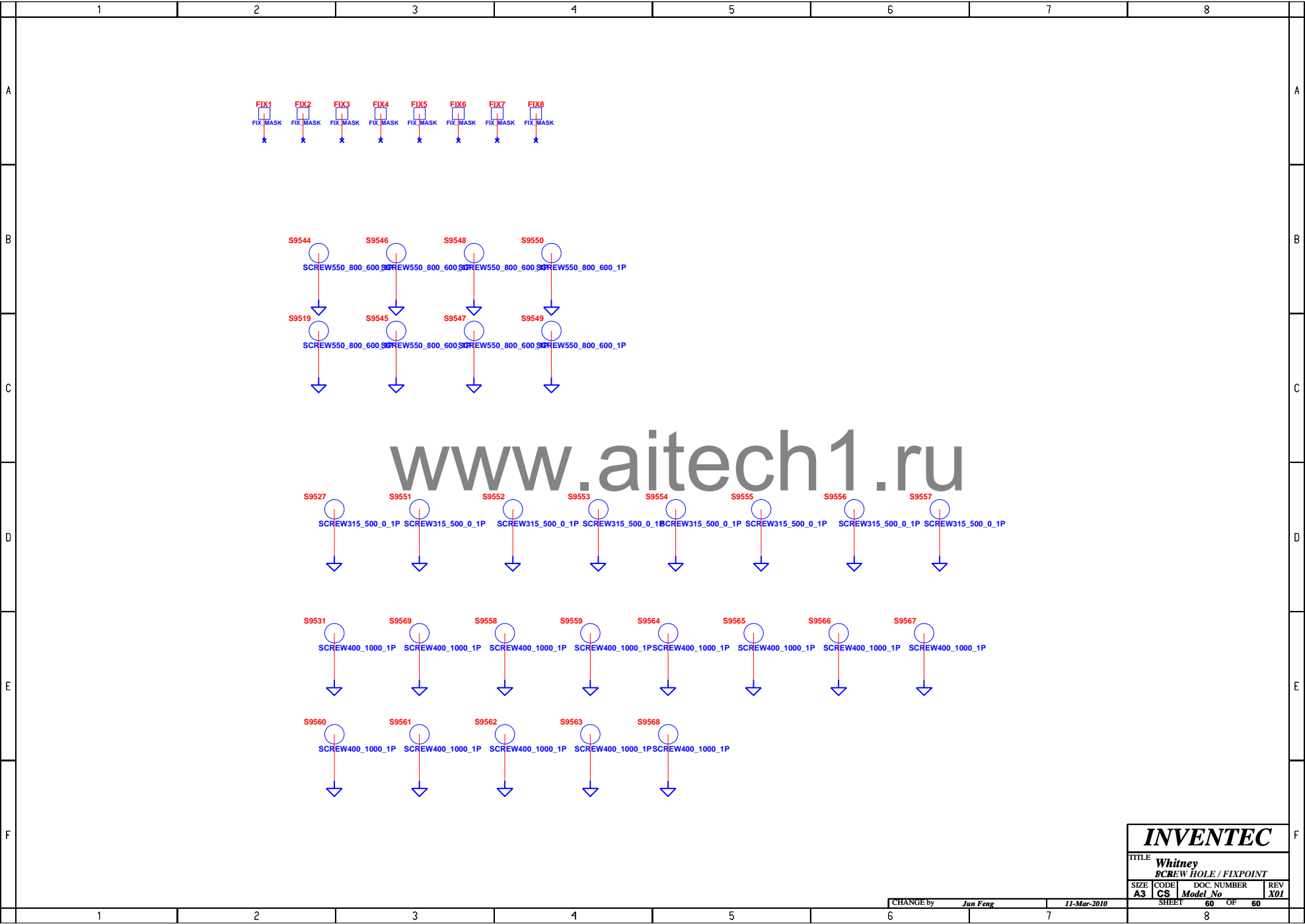
LED CIR Daughter Board

IR BLASTER ME TEST

INVENTEC

TITLE Whitney KEYBOARD/ LED BOARD			
SIZE A3	CODE CS	DOC. NUMBER <i>Model No</i>	REV X01
SHEET 59		OF 60	

CHANGE by *Jun Feng* 11-Mar-2010



INVENTEC

TITLE			
Whitney			
SCREW HOLE / FIXPOINT			
SIZE	CODE	DOC. NUMBER	REV
A3	CS	Model No	X01
SHEET		OF	60
		8	

CHANGE by Jun Feng 11-Mar-2010