



Title

Iceman T510 PCI Plug-in Card with 16 MiB DDR

Schematic No.

105-A346XX-00B

Date:

Tuesday, November 16, 2004

REVISION HISTORY

Rev

1

Sch Rev	PCB Rev	Date
1	00B	08/24/04
		08/26/04
		09/03/04

REVISION DESCRIPTION		
Initial revision of the schematic based on 105-A34600-00A and 102-A34600-00 Rev04.		
Added decoupling caps to 117 regulator references. Added DAC buffers on IF AGC and RF AGC DAC's. Added alternate VDDC SMPS. Added C114. Change R360 & R361 to 0402 pkg. Removed R315.		
Changed Schematic number & file name to 105-A34604-00B to reflect purple solder mask. Removed R315.		

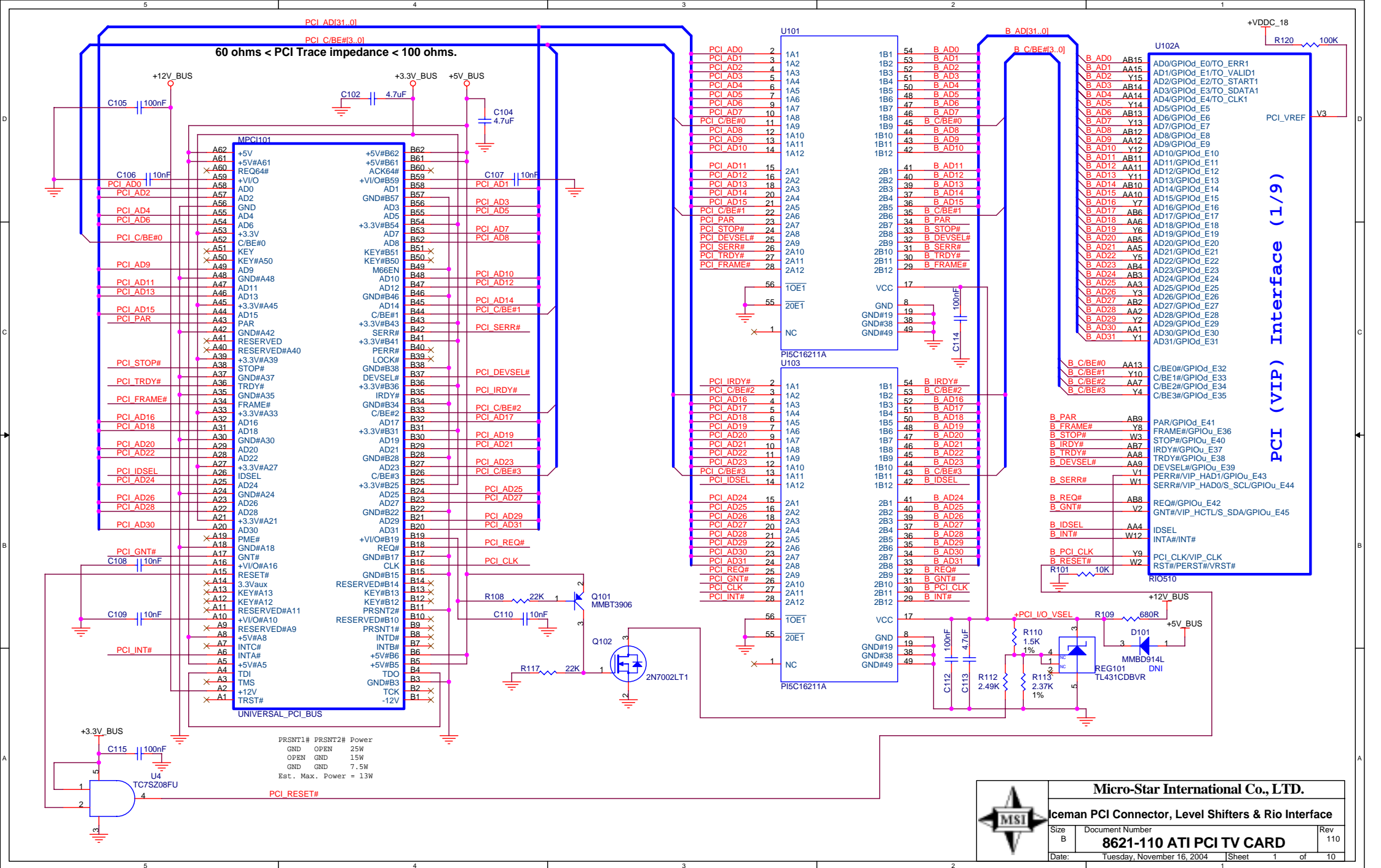
Merlin (ATSB/DVB & Analog PCI) = A345

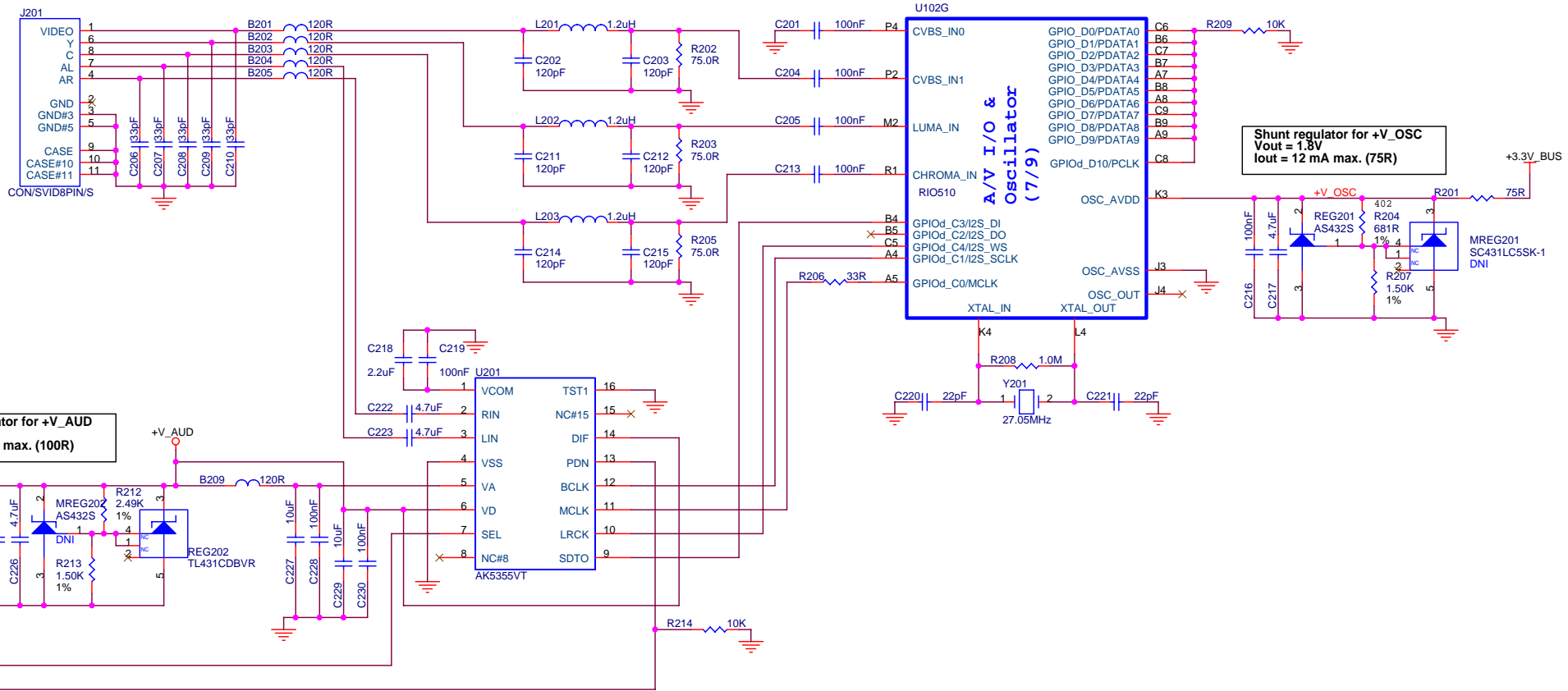
Maverick (PCle) = A347

Iceman (PCI) = A346

Goose (Dual Rio PCI) = A365/371


Cougar (Dual Rio PCle) = A447

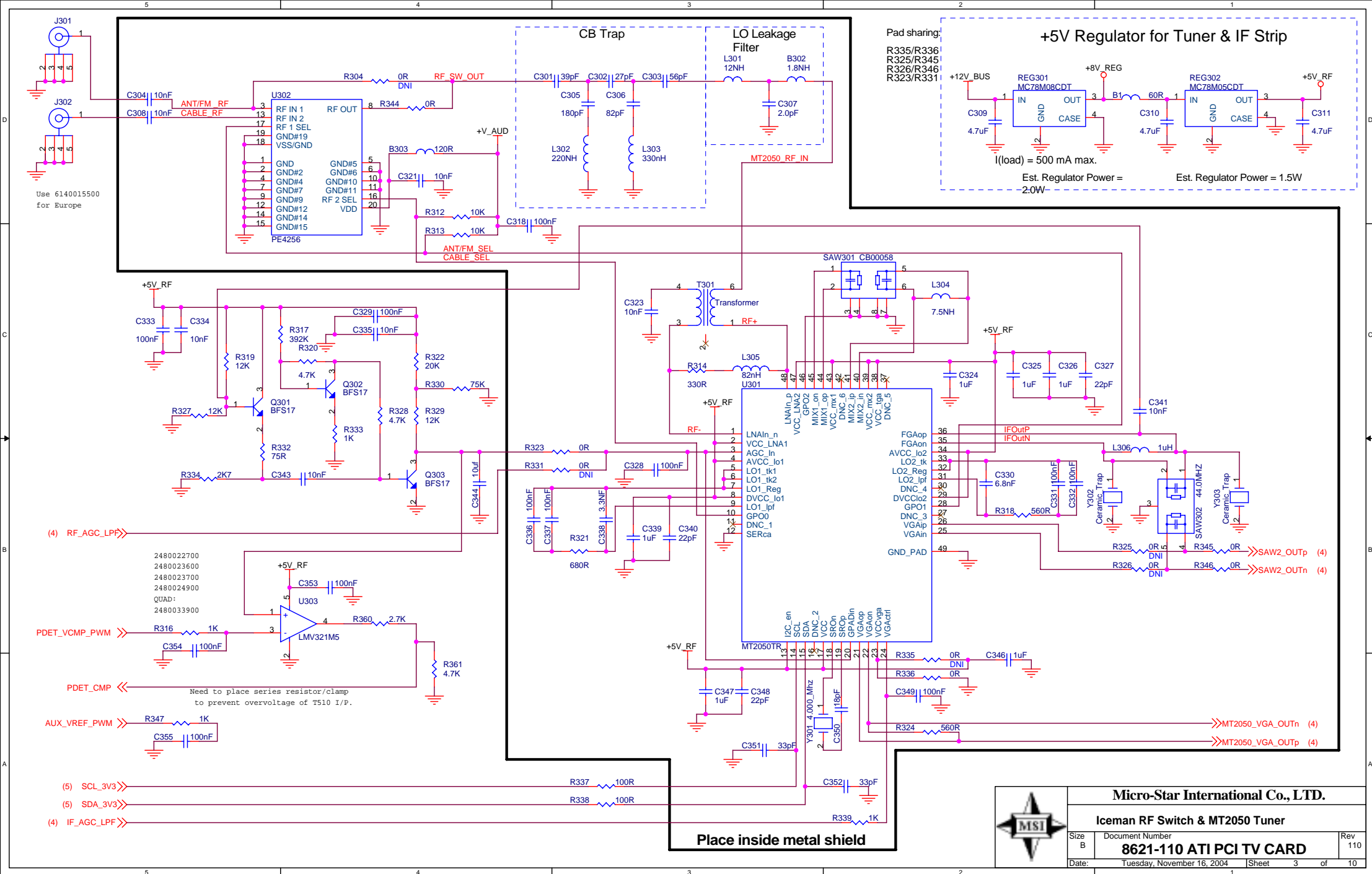




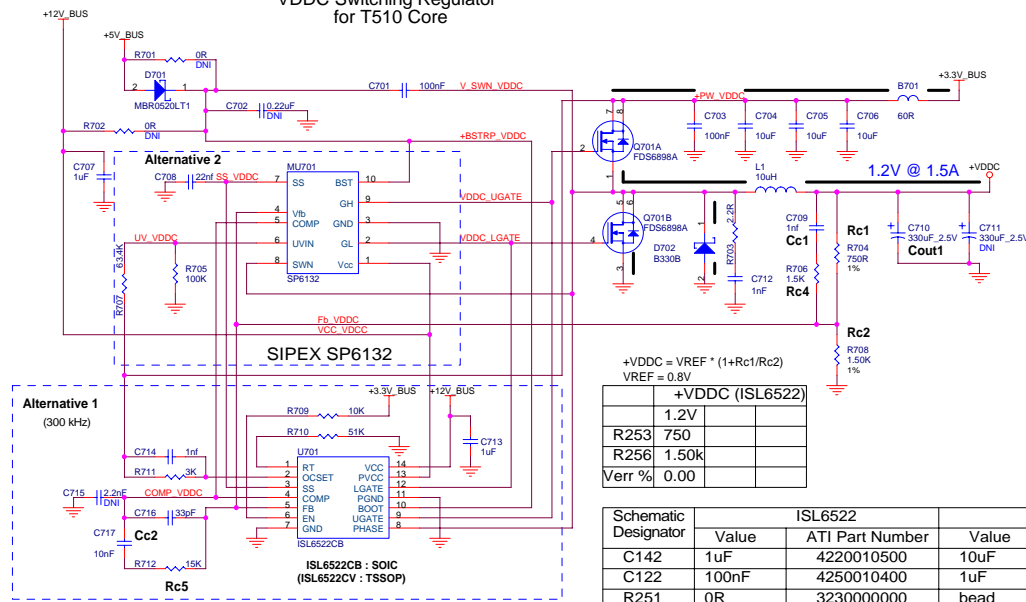
(5) AUD_LVL_SEL >>>
 (5) I2S_RESET# >>>

Pad sharing:
 REG201/MREG201
 REG202/MREG202

			Micro-Star International Co., LTD.	
			Iceman A/V Input & Rio Oscillator	
Size B	Document Number 8621-110 ATI PCI TV CARD			Rev 110
Date:	Tuesday, November 16, 2004			Sheet 2 of 10



VDDC Switching Regulator for T510 Core



DESIGN NOTES:

FOR ALTERNATE #2

Change C142 for 10uF

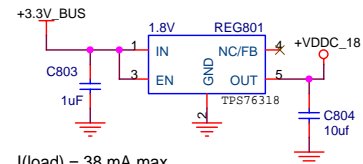
Change C122 for 1uF

Replace R251 with a bead

Swap Rc4 with Cc1

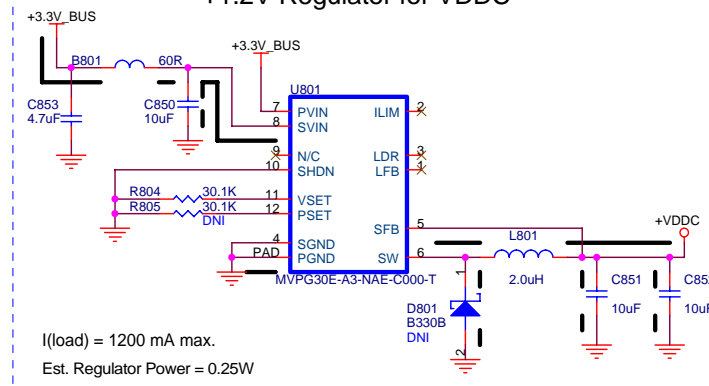
Shunt regulator for +MPVDD
Vout = 1.8V
Iout = 18 mA max. (56R)

+1.8V Regulator for VDDC18



Linear regulator for +VPVDD
Vout = 1.8V
Iout = 130 mA max.
Pdiss= 0.2W max.

+1.2V Regulator for VDDC



Possible
 Pad sharing:
 REG802/MREG802

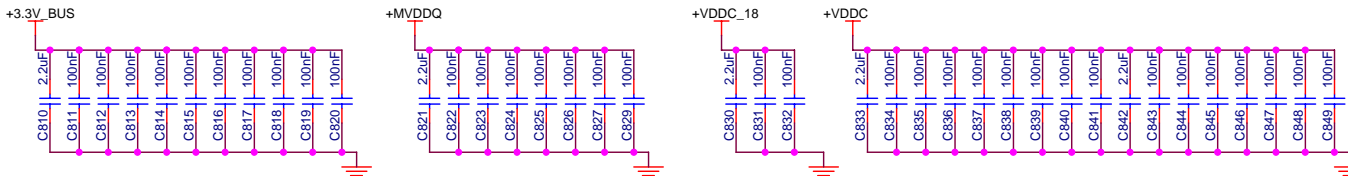
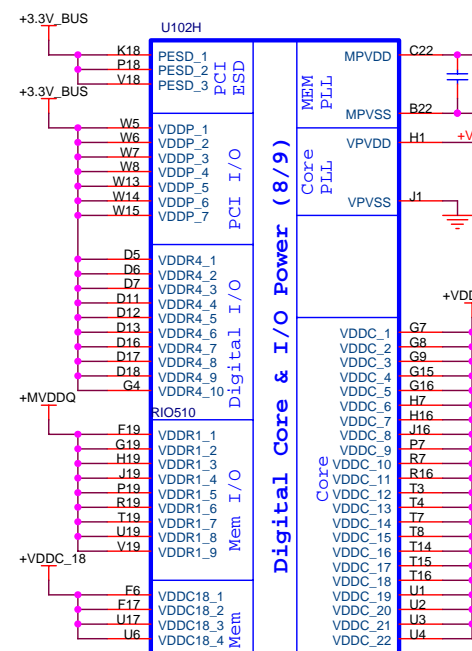
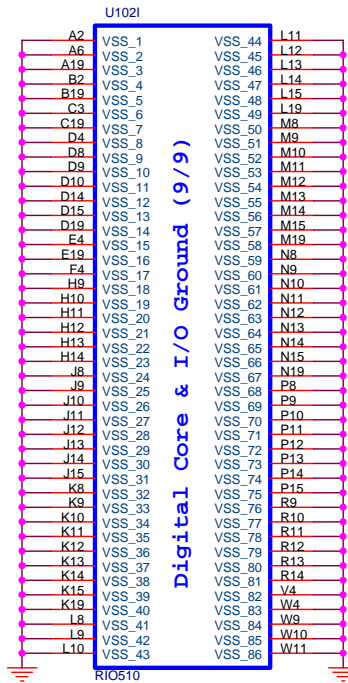


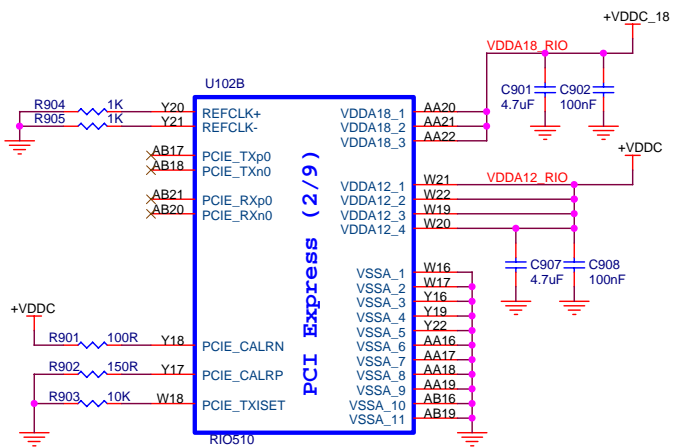
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Iceman Rio Power

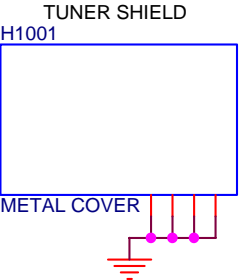
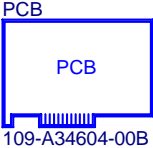
Size B Document Number
8621-110 ATI PCI TV CARD Rev 110

Date: Tuesday, November 16, 2004 Sheet 8 of 10

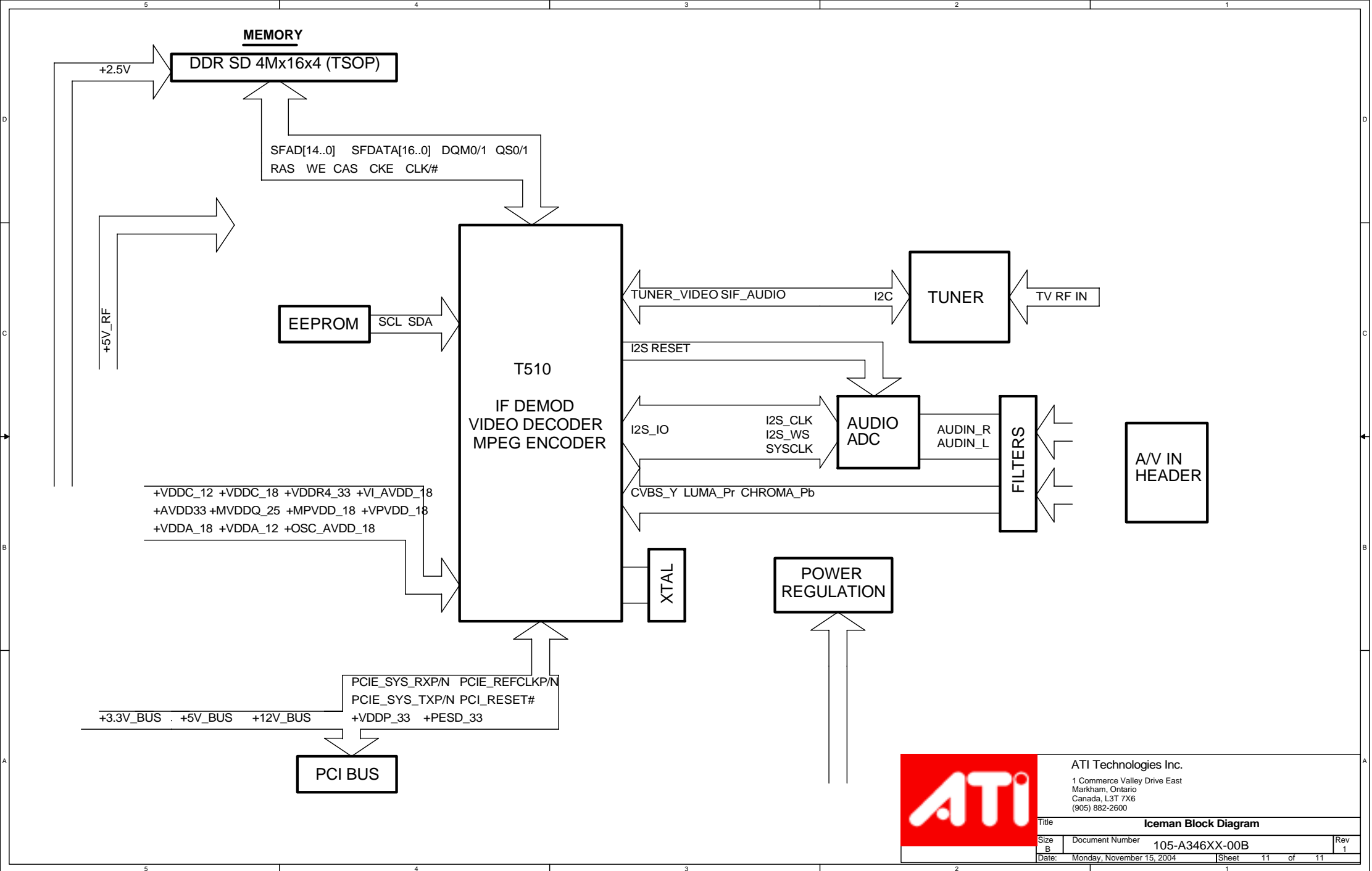




MISC. BOARD PARTS



Micro-Star International Co., LTD.		
Iceman Mechanical & Miscellaneous H/W for BOM		
Size A	Document Number 8621-110 ATI PCI TV CARD	Rev 110
Date:	Tuesday, November 16, 2004	Sheet 10 of 10



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Title		Iceman Block Diagram		
Size	Document Number	105-A346XX-00B		Rev
B				1
Date:	Monday, November 15, 2004	Sheet	11 of 11	