

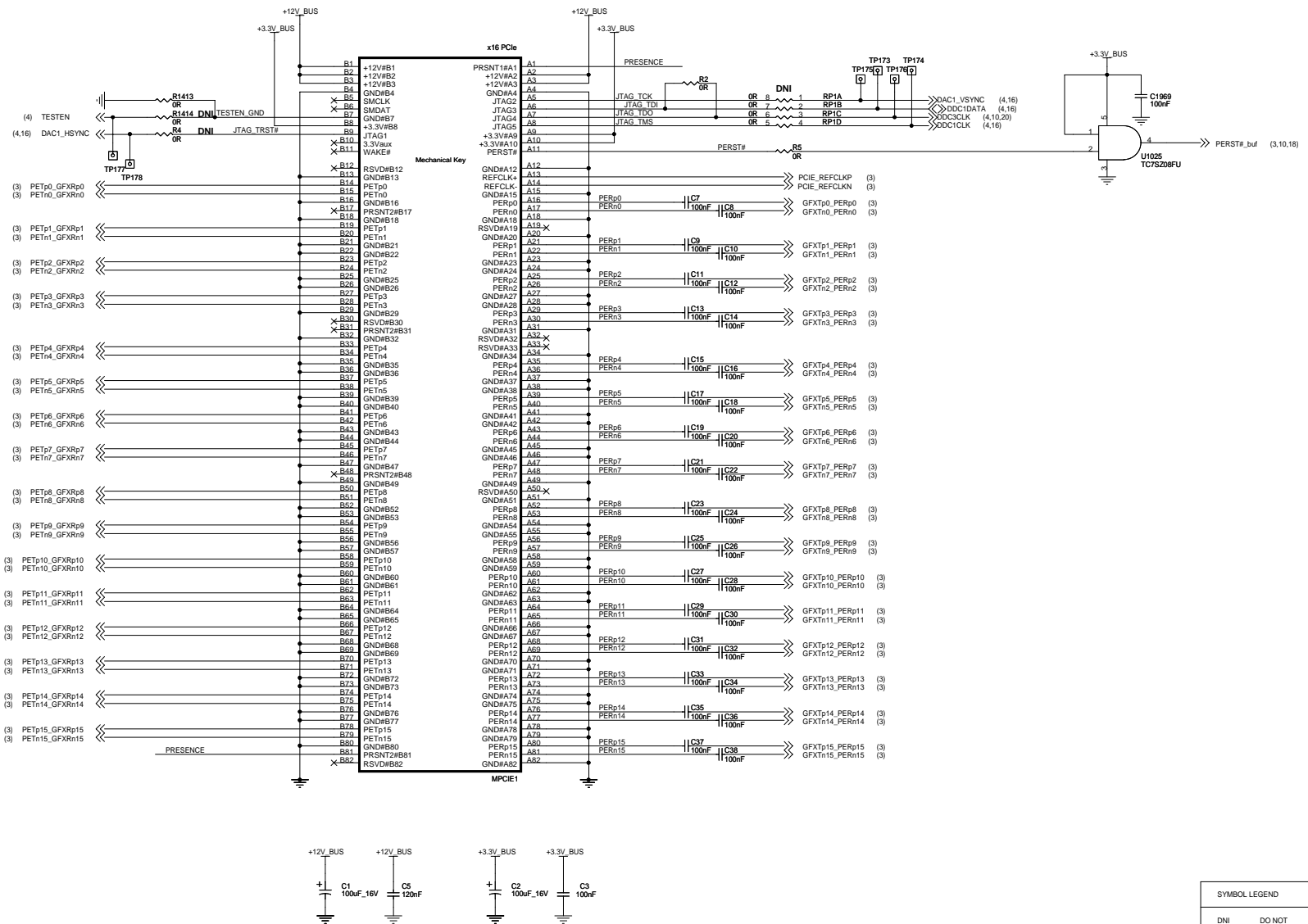
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Markham, Ontario  
Canada, L3T 7X6  
(905) 932-2600

Title: RH PCIE RV570 512M 136b DDR3 DDVI DDVI VIVO CF

Size: C	Document Number: 105-A999xc-10	Rev: 2
Date: Tuesday, October 10, 2006	Sheet: 1	of: 22

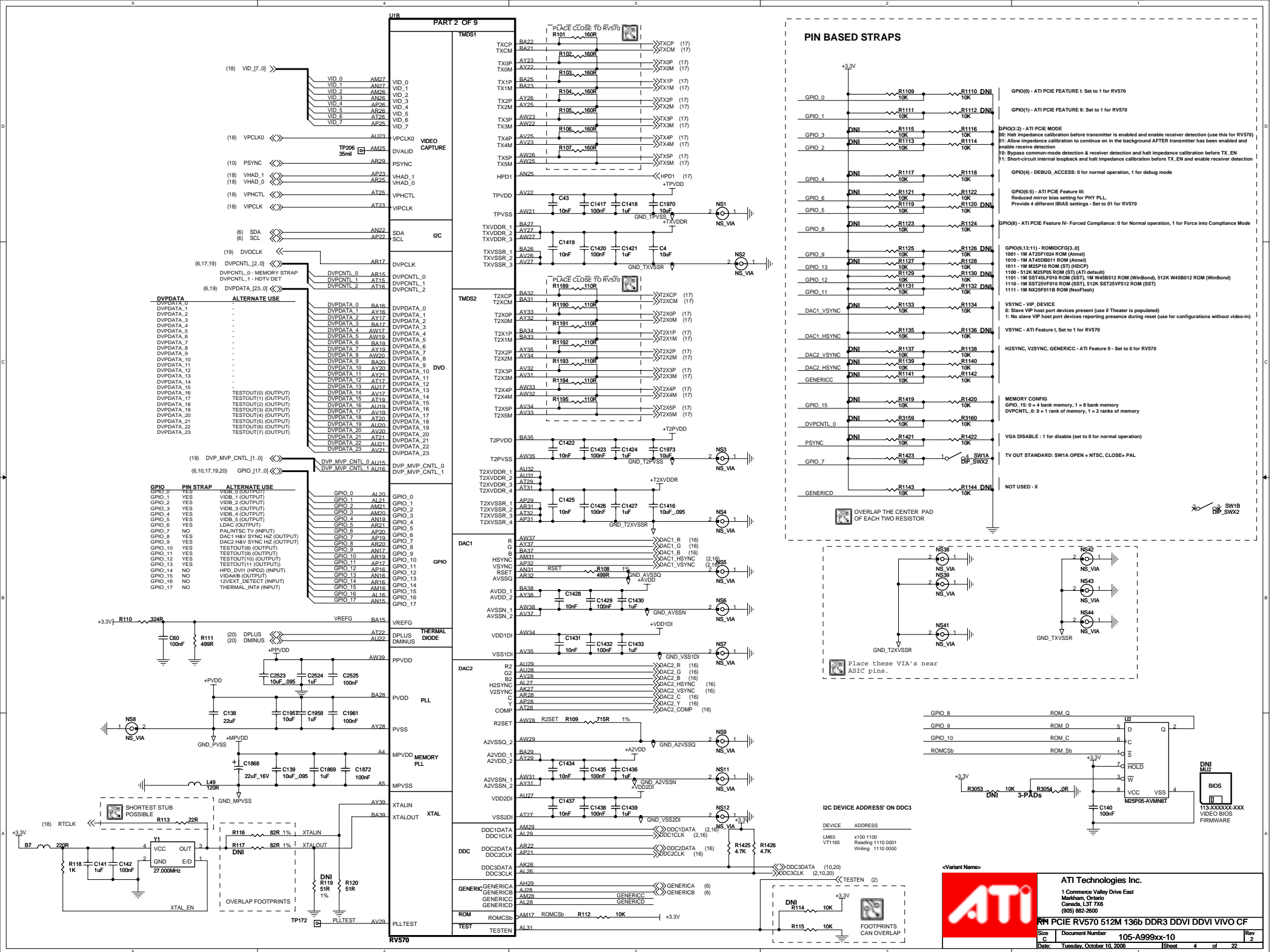
# PCI-EXPRESS EDGE CONNECTOR

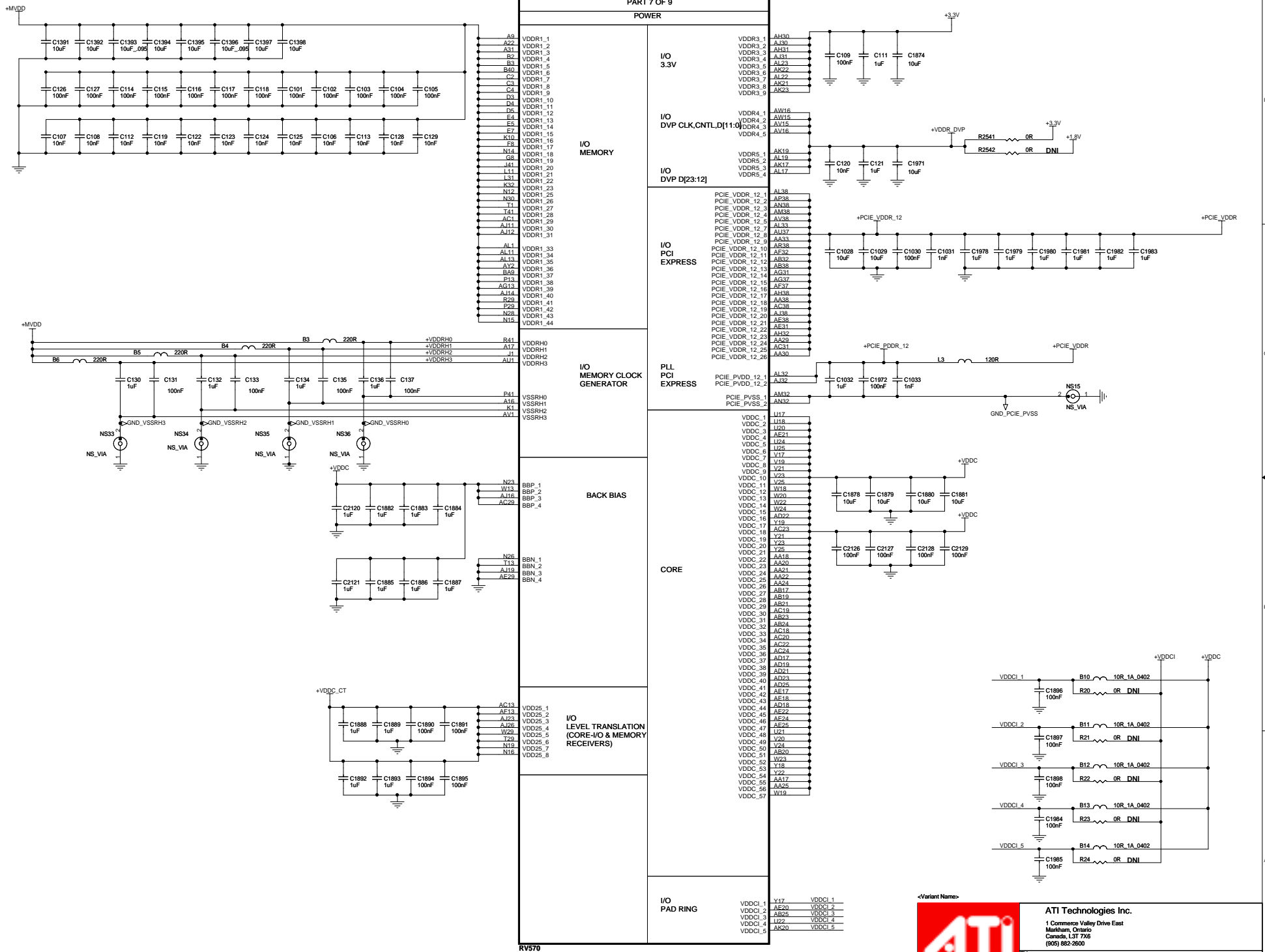


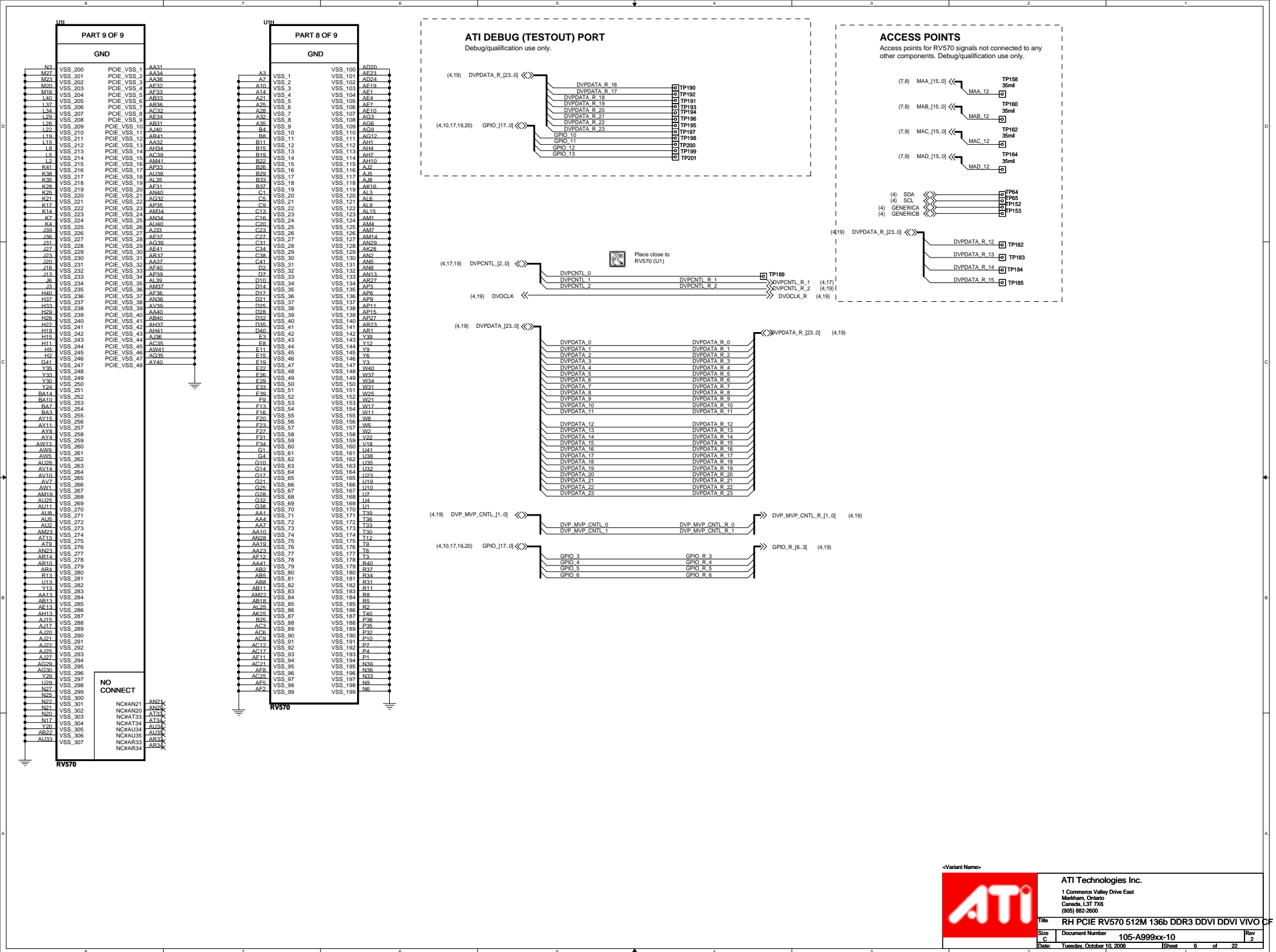
**ATI Technologies Inc.**  
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 Canada, L3T 7X6  
 (905) 947-2600

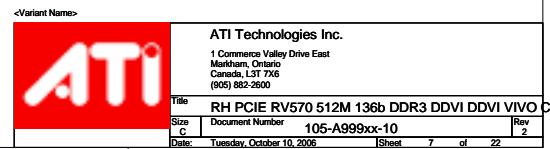
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**Size:** Document Number 105-A999xx-10  
**Date:** Tuesday, October 10, 2006 **Sheet:** 1 of 22



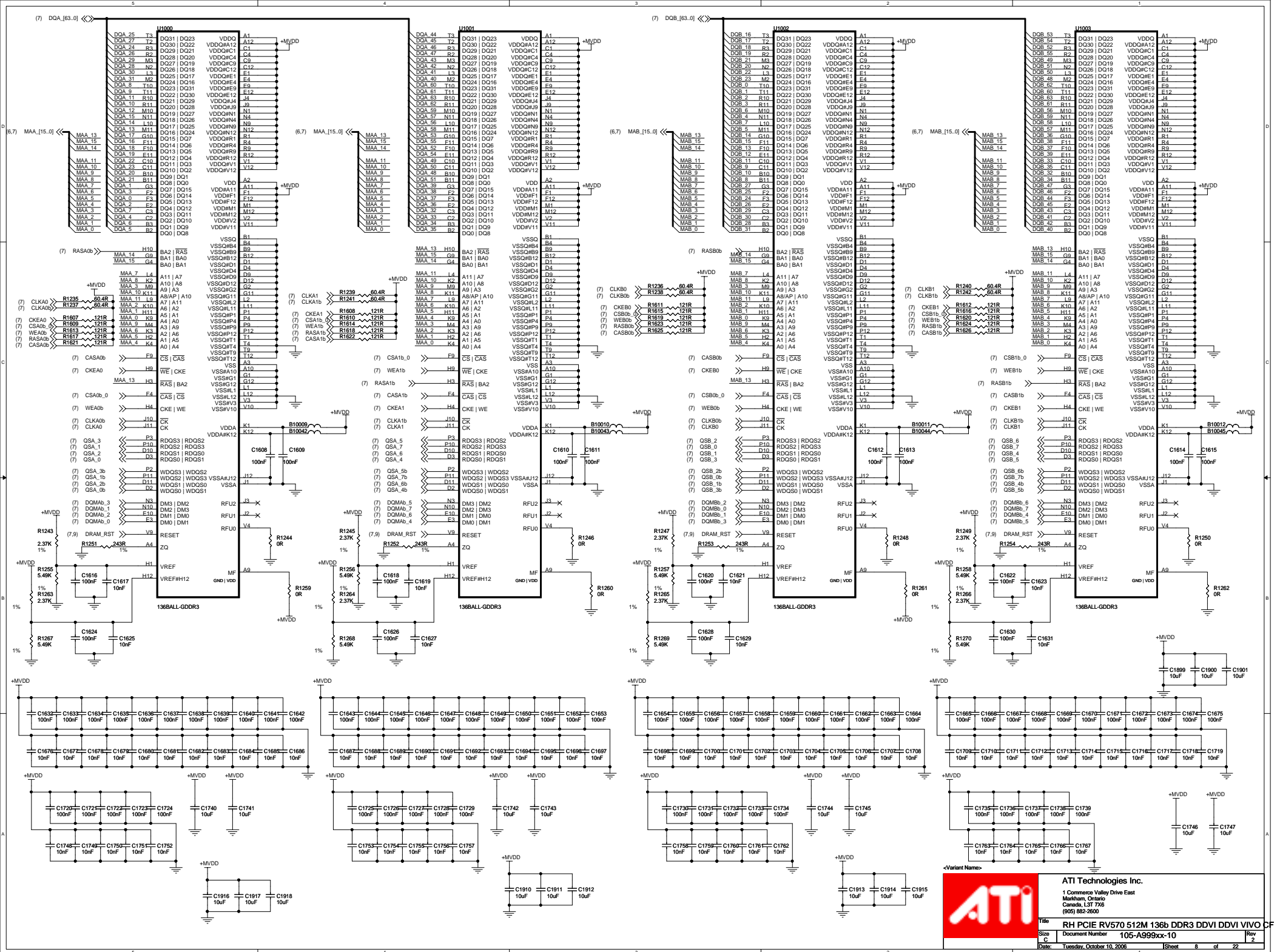


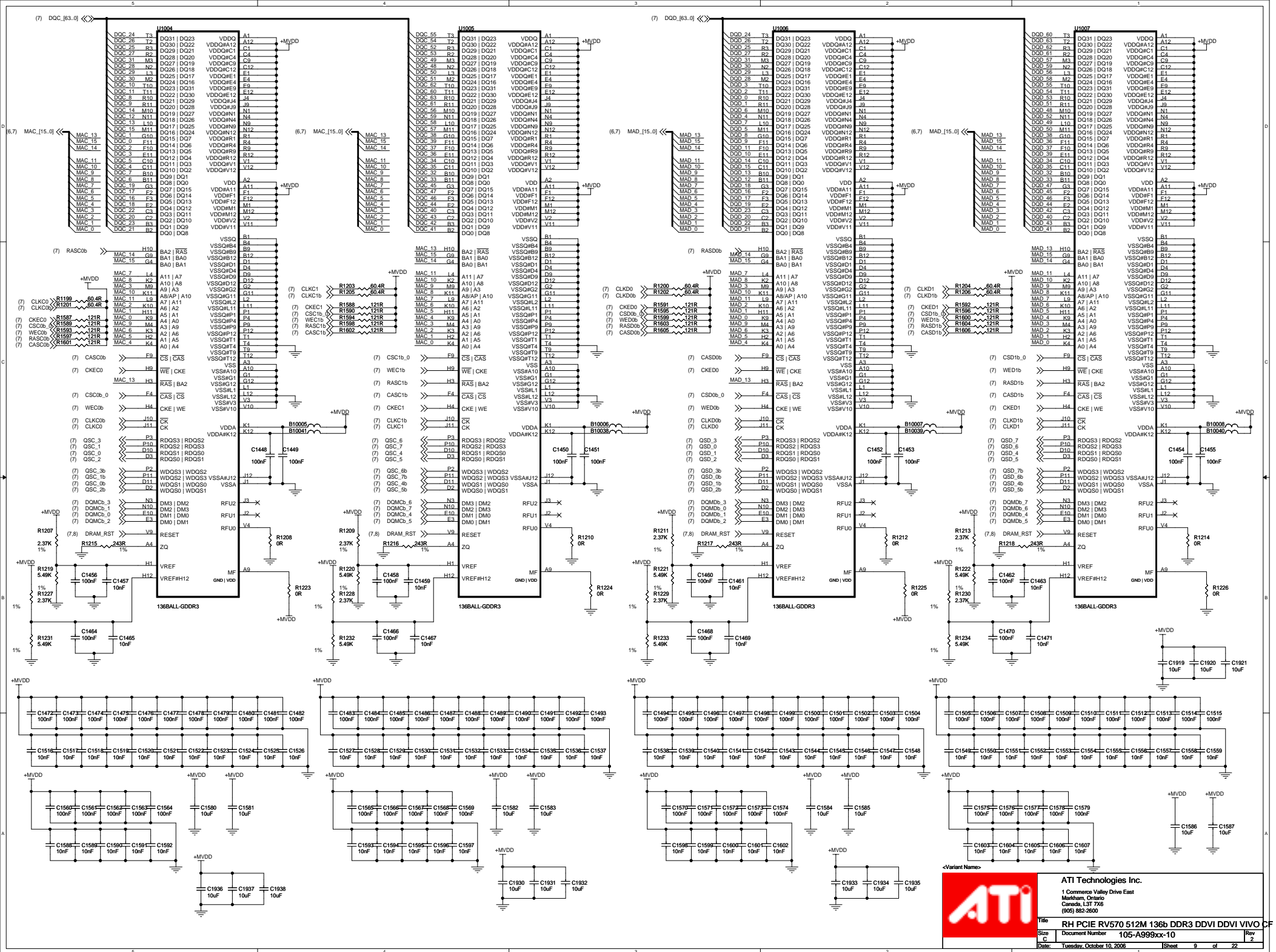




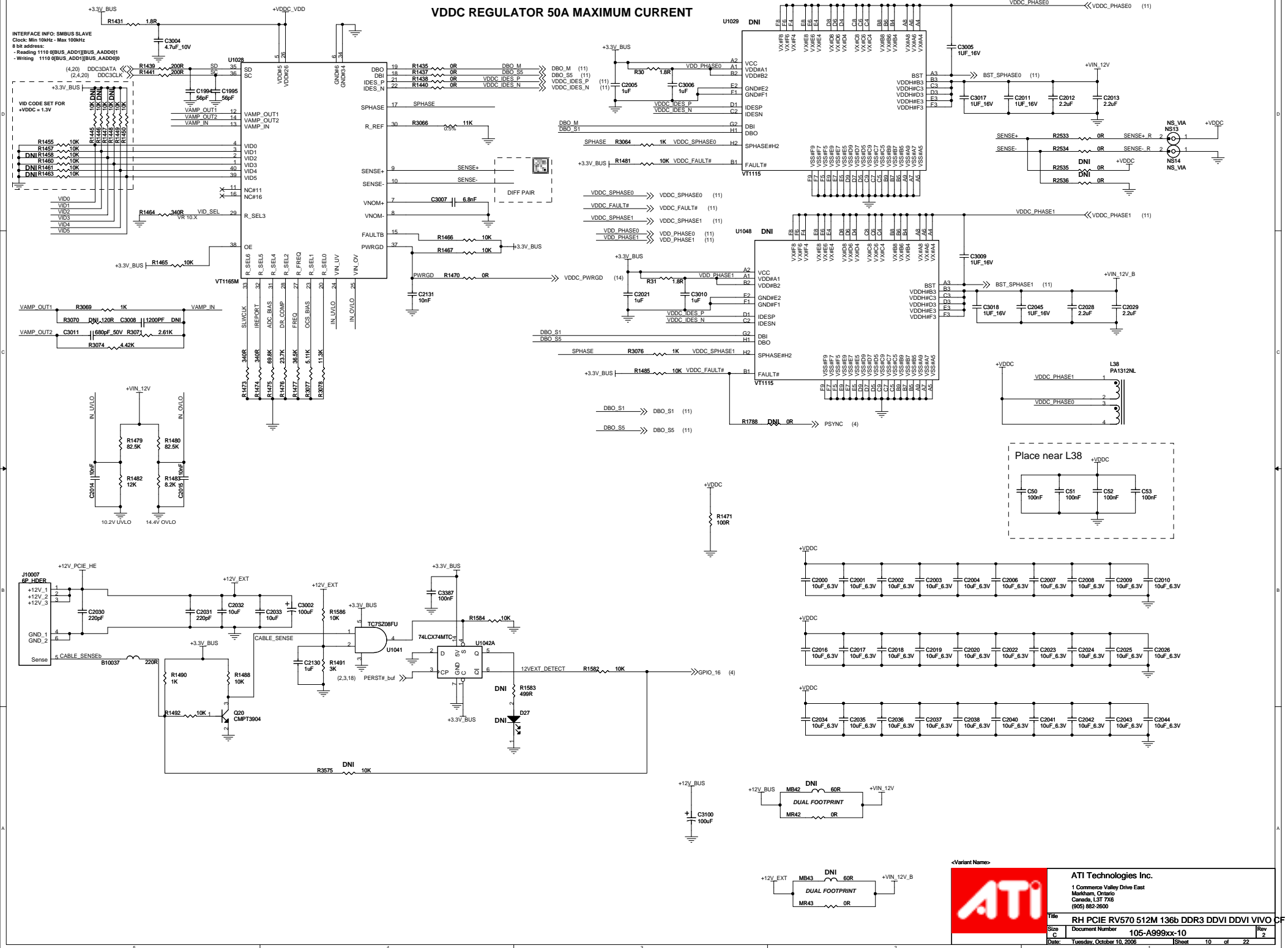








### VDDC REGULATOR 50A MAXIMUM CURRENT



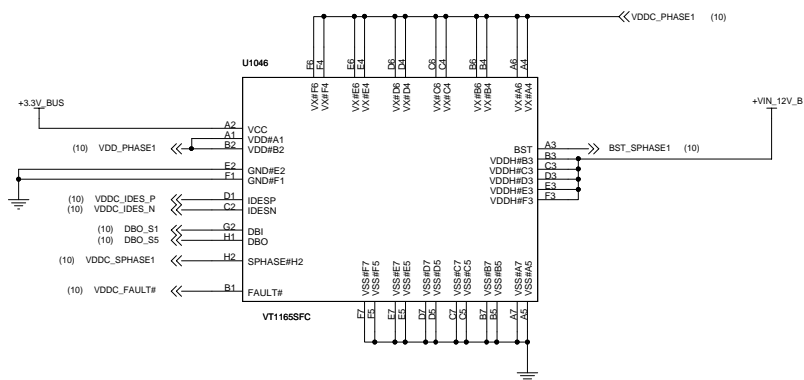
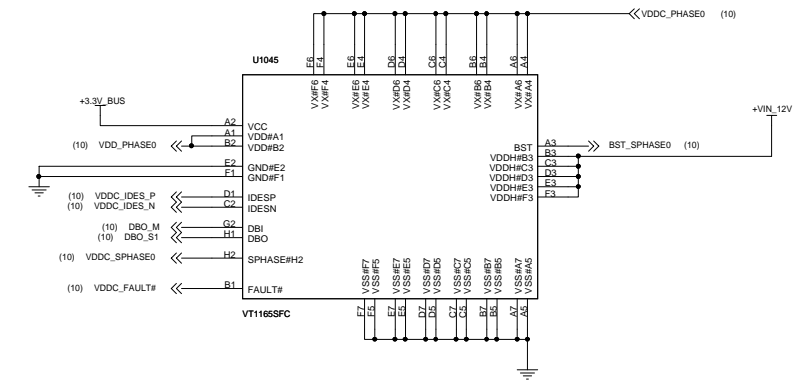
**<Variant Name>**



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Title				RH PCIE RV570 512M 136b DDR3 DDVI DDVI VIVO CF			
Size C		Document Number				Rev	
		105-A999xx-10				2	
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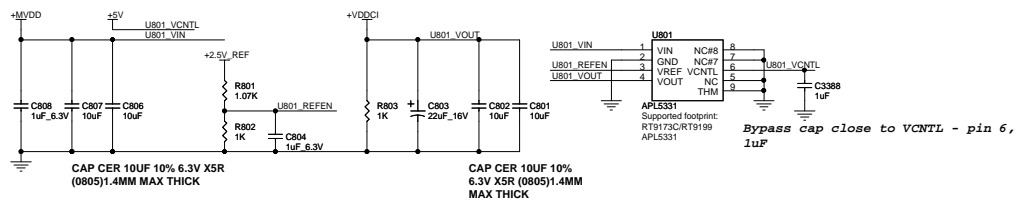


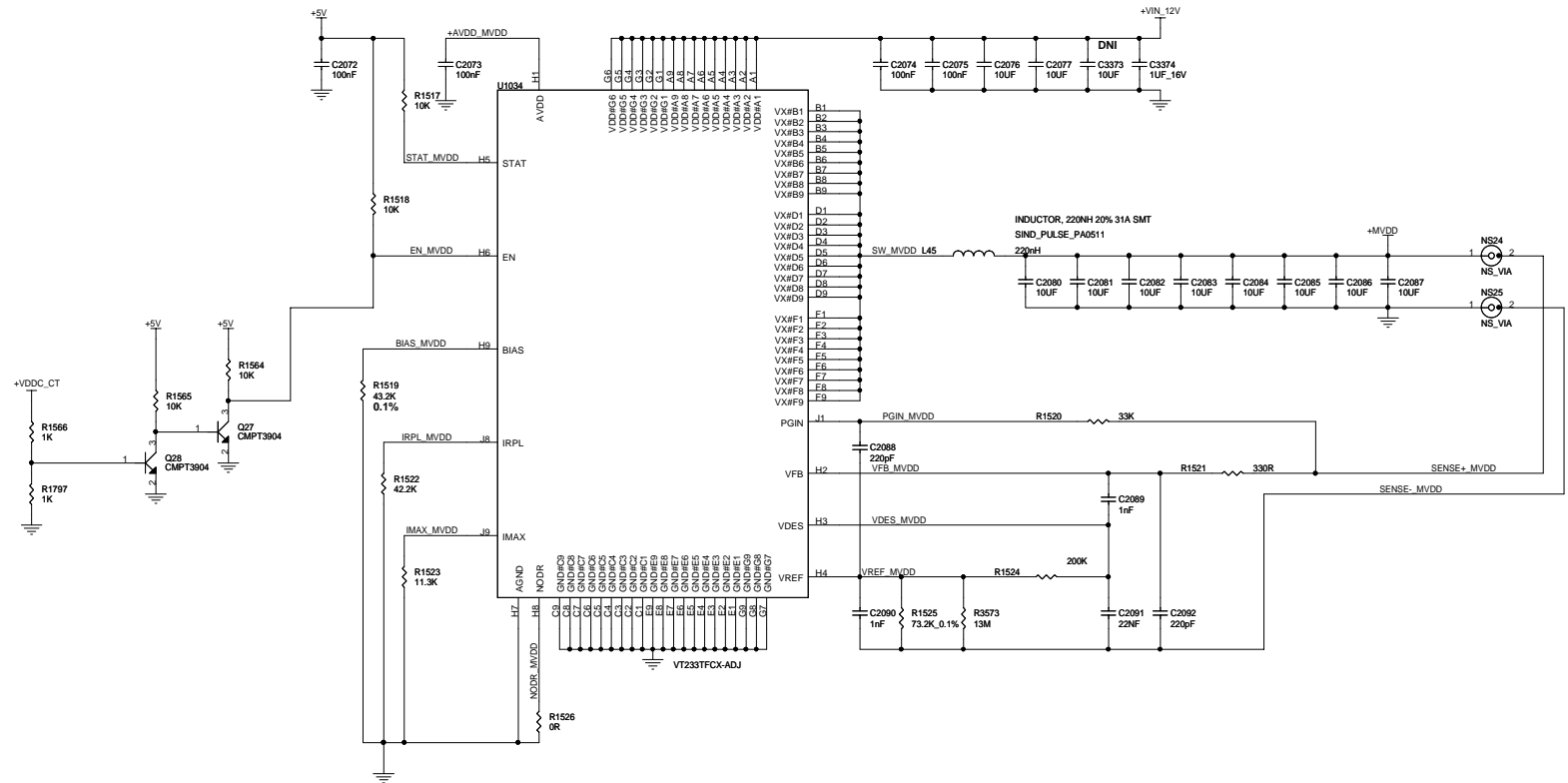
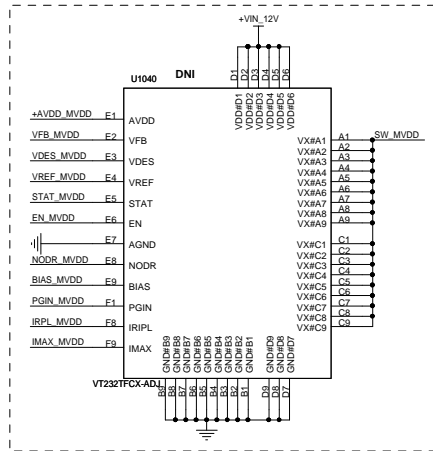
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Title		RH PCIE RV570 512M 136b DDR3 DDVI DDVI VIVO CF	
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**Optional Regulator for +VDDCI**  
**Vout = 1.2V ~ 1.4V**  
**Iout = 1.2A MAX**





<Variant Name>

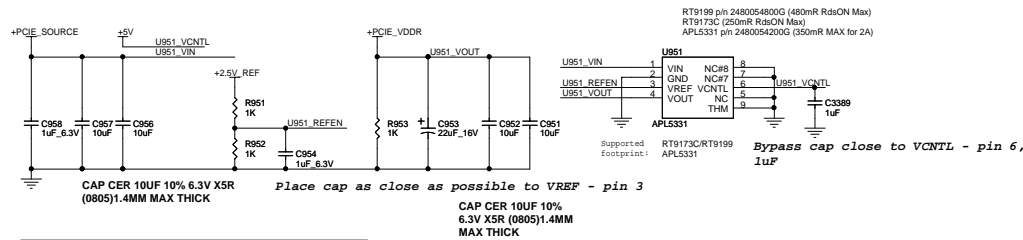


ATI Technologies Inc.

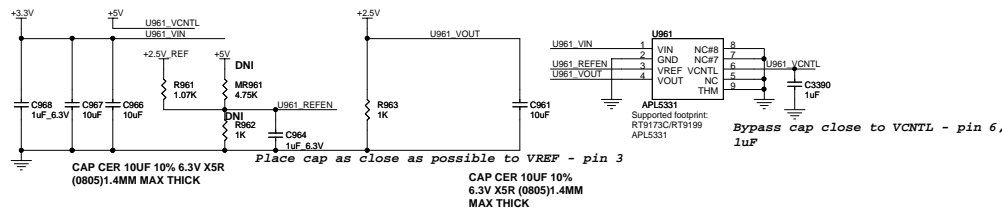
1 Commerce Valley Drive East  
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Title	RH PCIE RV570 512M 136b DDR3 DDVI DDVI VIVO CF		
Size	Document Number	105-A999xx-10	Rev 2
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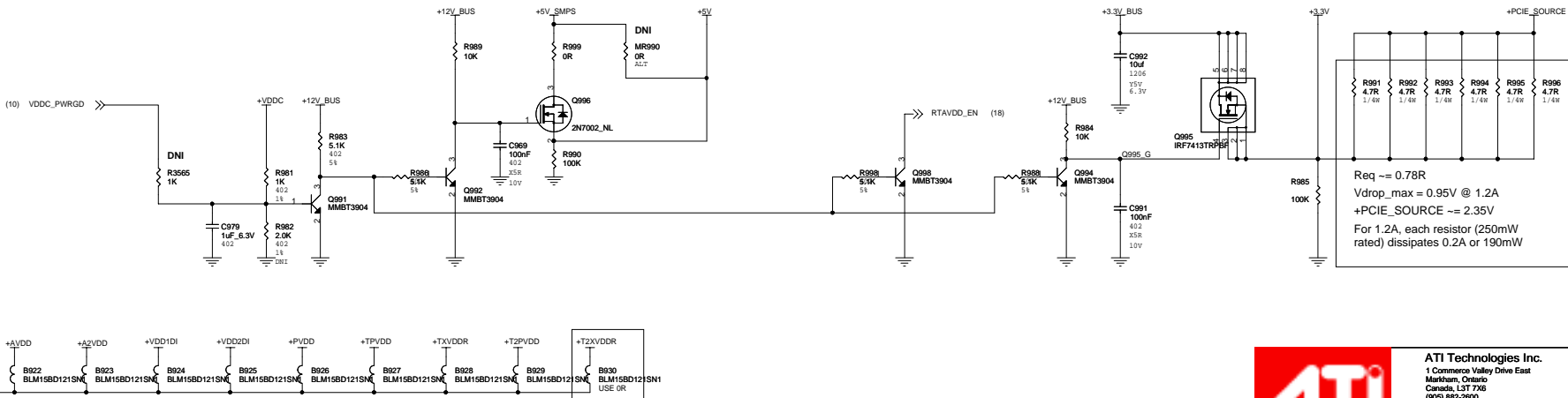
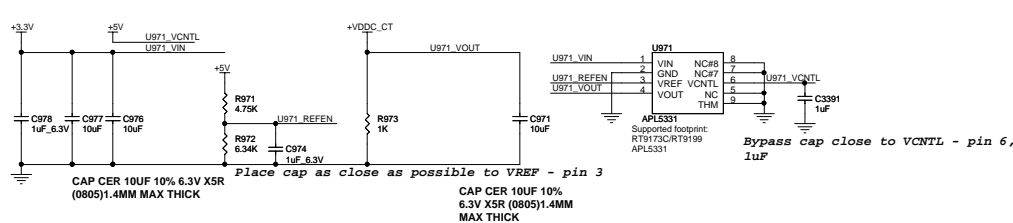
Optional regulator for +PCIE  
**Vout = 1.2V ~1.25V**  
**Iout = 1.2A MAX**



Optional regulator for +2.5V  
**Vout = 2.5V**  
**Iout = 700mA MAX**

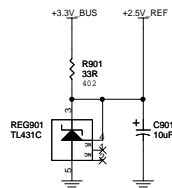


Optional Regulator for +VDDC\_CT  
**Vout = 2.5V ~ 2.85V**  
**Iout = 150mA MAX**

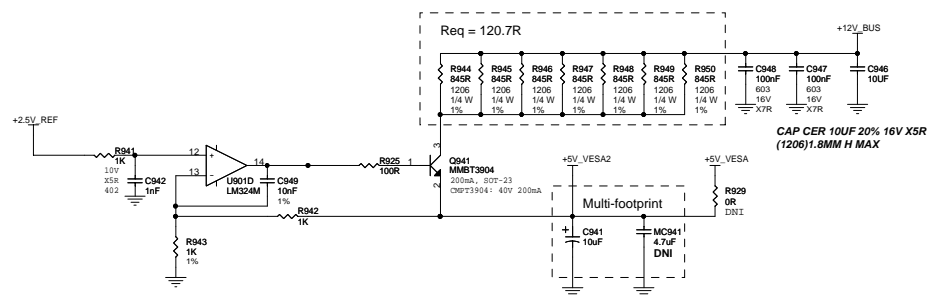
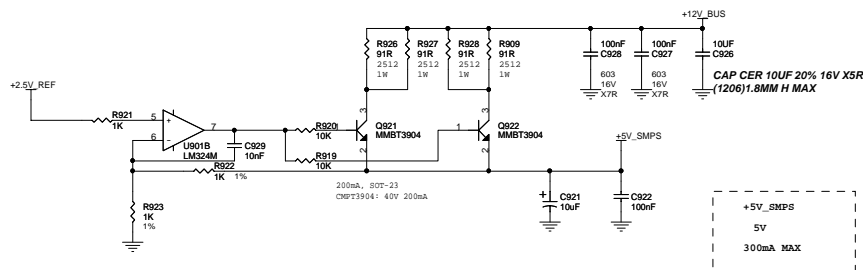
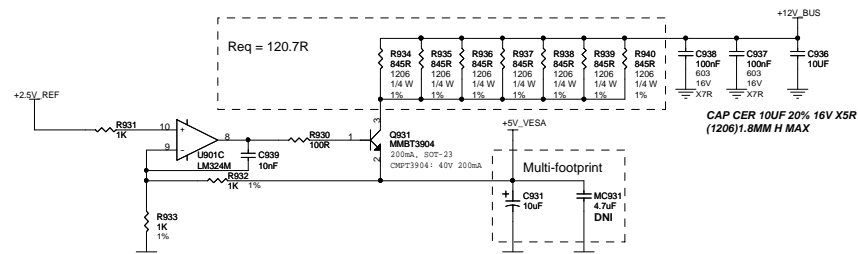
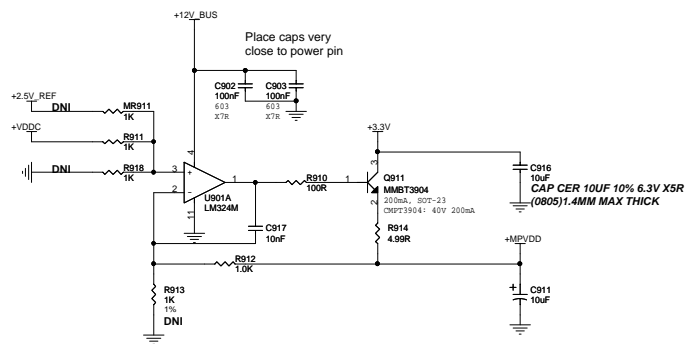
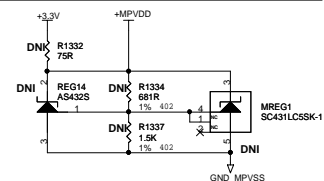


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Title	RH PCIE RV570 512M 136b DDR3 DDVI DDVI VIVO CF		
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Alt regulator for +MPVDD  
Vout = 1.2V (not tracking to VDDC)  
Iout = 10mA MAX

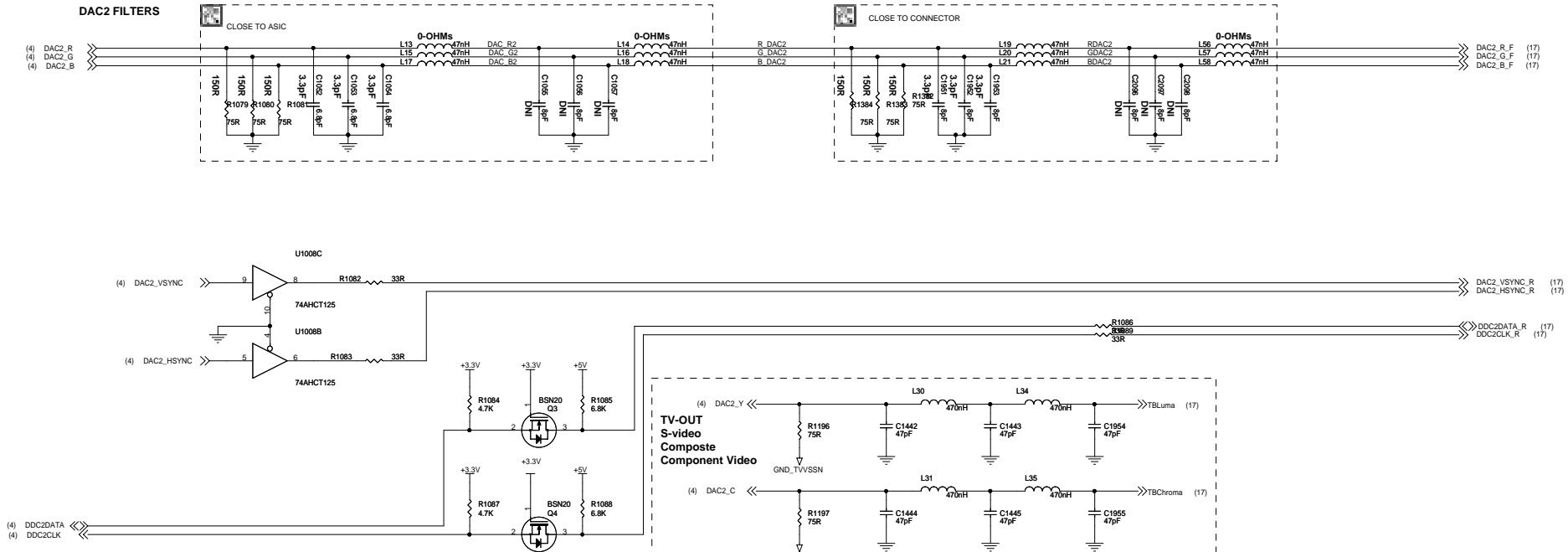


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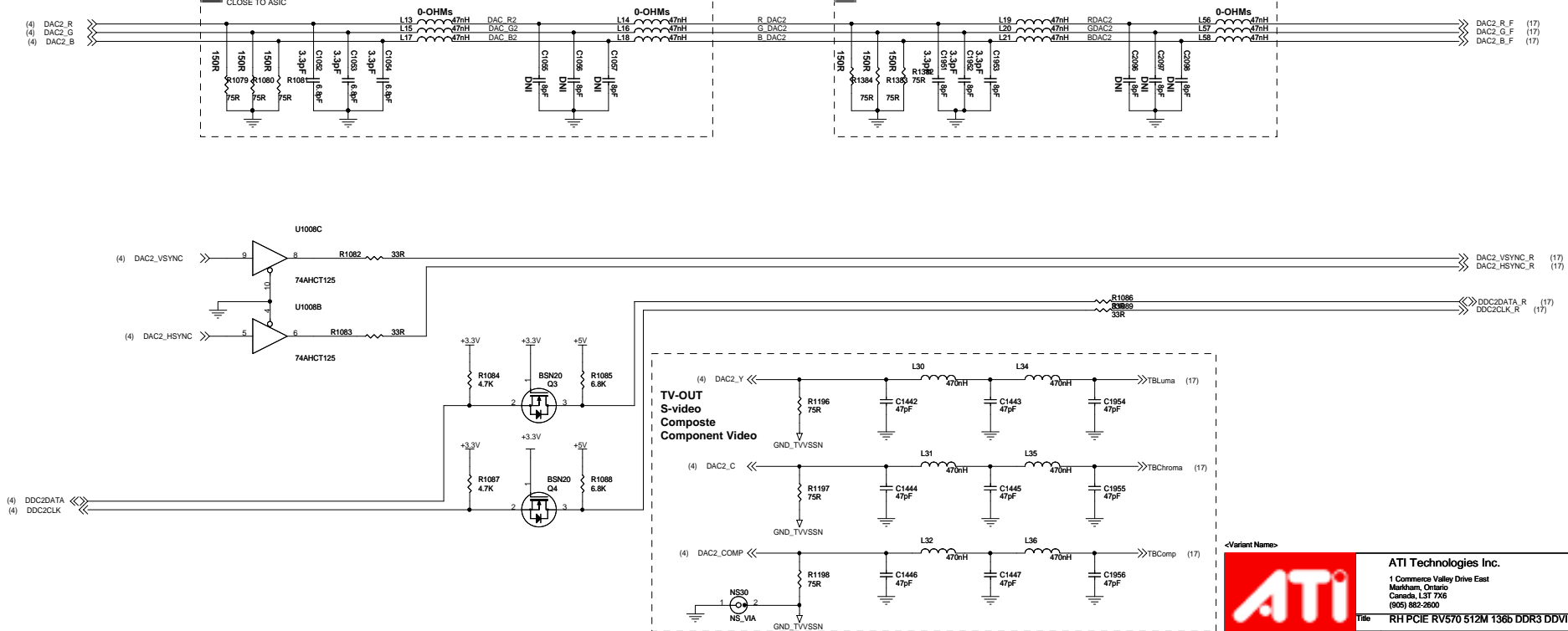
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Size: C  
Document Number: 105-A999xx-10  
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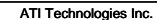
(4) DAC1\_R  
(4) DAC1\_G  
(4) DAC1\_B



(4) DAC2\_R  
(4) DAC2\_G  
(4) DAC2\_B



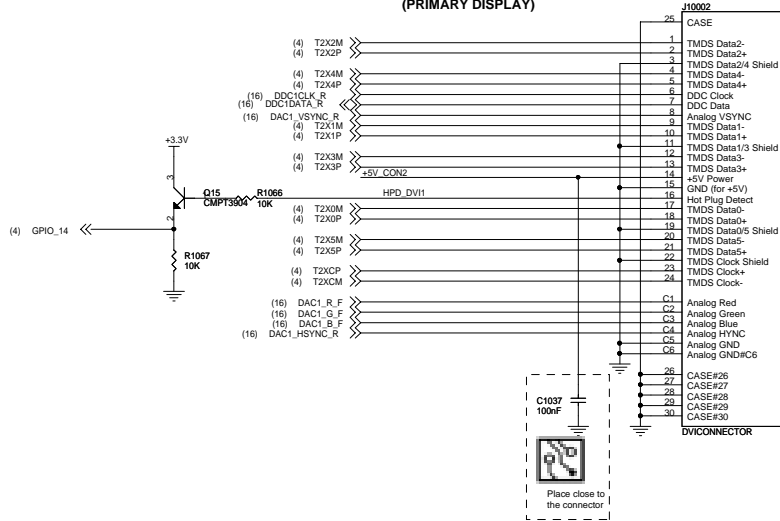
11



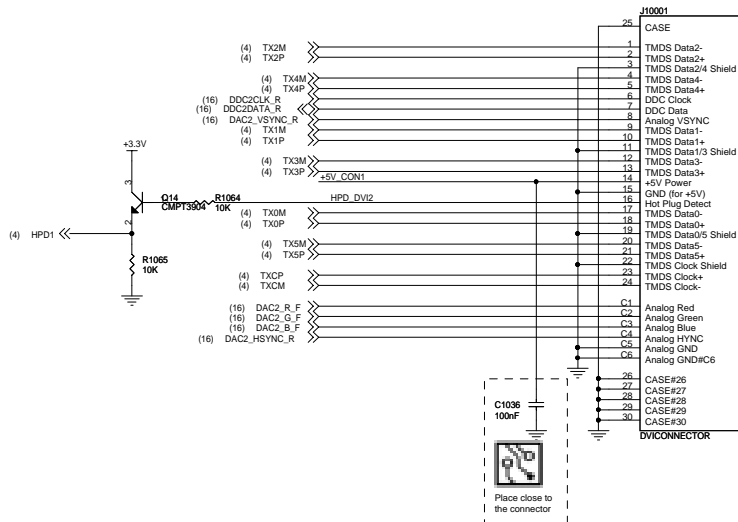
Title RH PCIE RV570 512M 136b DDR3 DDVI DDVI VIVO CF

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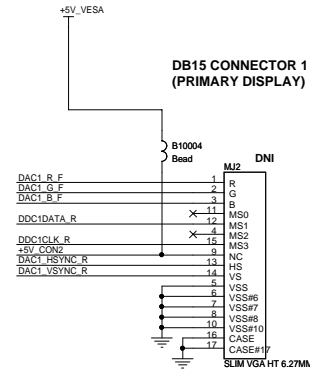
# DVI-I CONNECTOR 1 (PRIMARY DISPLAY)



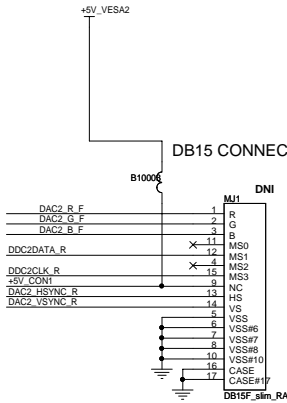
# DVI-I CONNECTOR 2



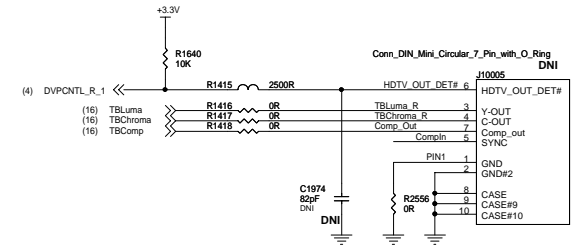
# DB15 CONNECTOR 1 (PRIMARY DISPLAY)



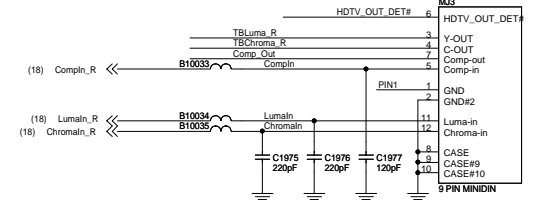
# DB15 CONNECTOR 2



# TV Out MiniDIN 7-pin



# VIVO MiniDIN 9-pin



<Variant Name>

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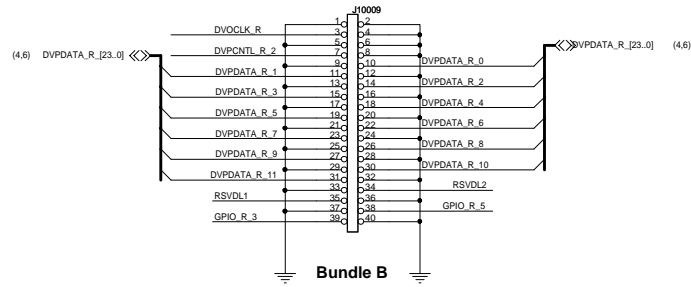
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Title	RH PCIE RV570 512M 136b DDR3 DDVI DDVI VIVO
Size	C
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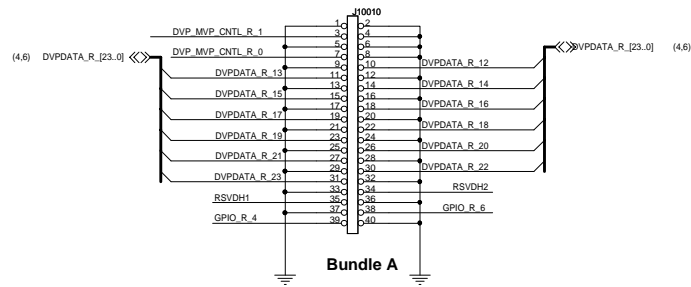


# CrossFire Card-Edge

## Lower Cable Card Edge



## Upper Cable Card Edge



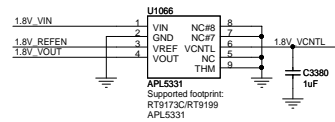
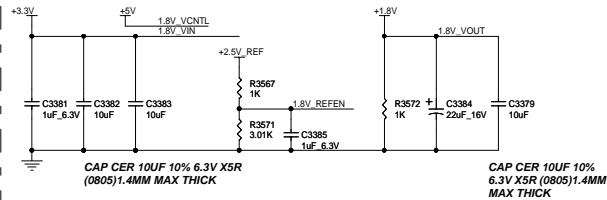
## DNI - if CrossFire is not used



Place all terminations close to ASIC

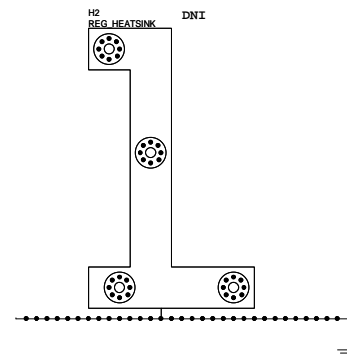
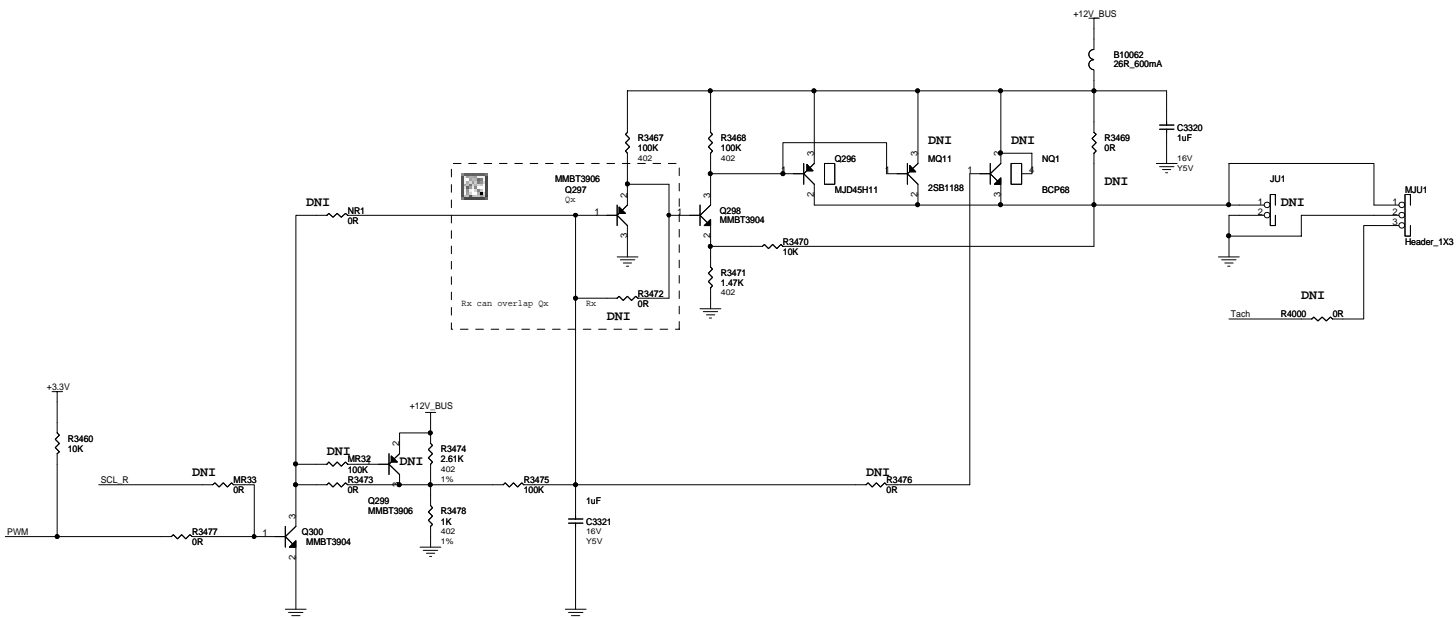
Optional regulator for +1.8V  
Vout = 1.8V  
Iout = 1A MAX  
P = 1W MAX

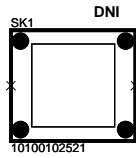
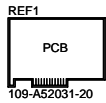
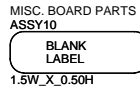
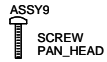
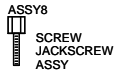
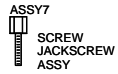
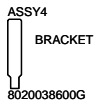
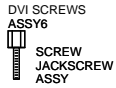
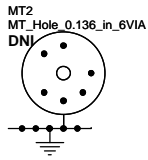
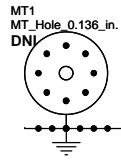
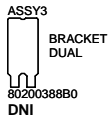
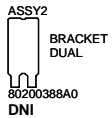
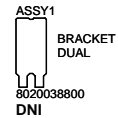
DNI



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## STUFFING OPTIONS

DISPLAY CONFIGURATION	INSTALL	DO NOT INSTALL
DVI DVI VIVO	ASSY1	ASSY2, ASSY3
DVI VGA VIVO	ASSY3	
DVI VGA TVO		ASSY1, ASSY2

### NOTE:

- Other components are to be installed.
- Components marked as DNI should not be installed. They should only be installed if default board settings are to be changed in which case other components may have to be adjusted accordingly.

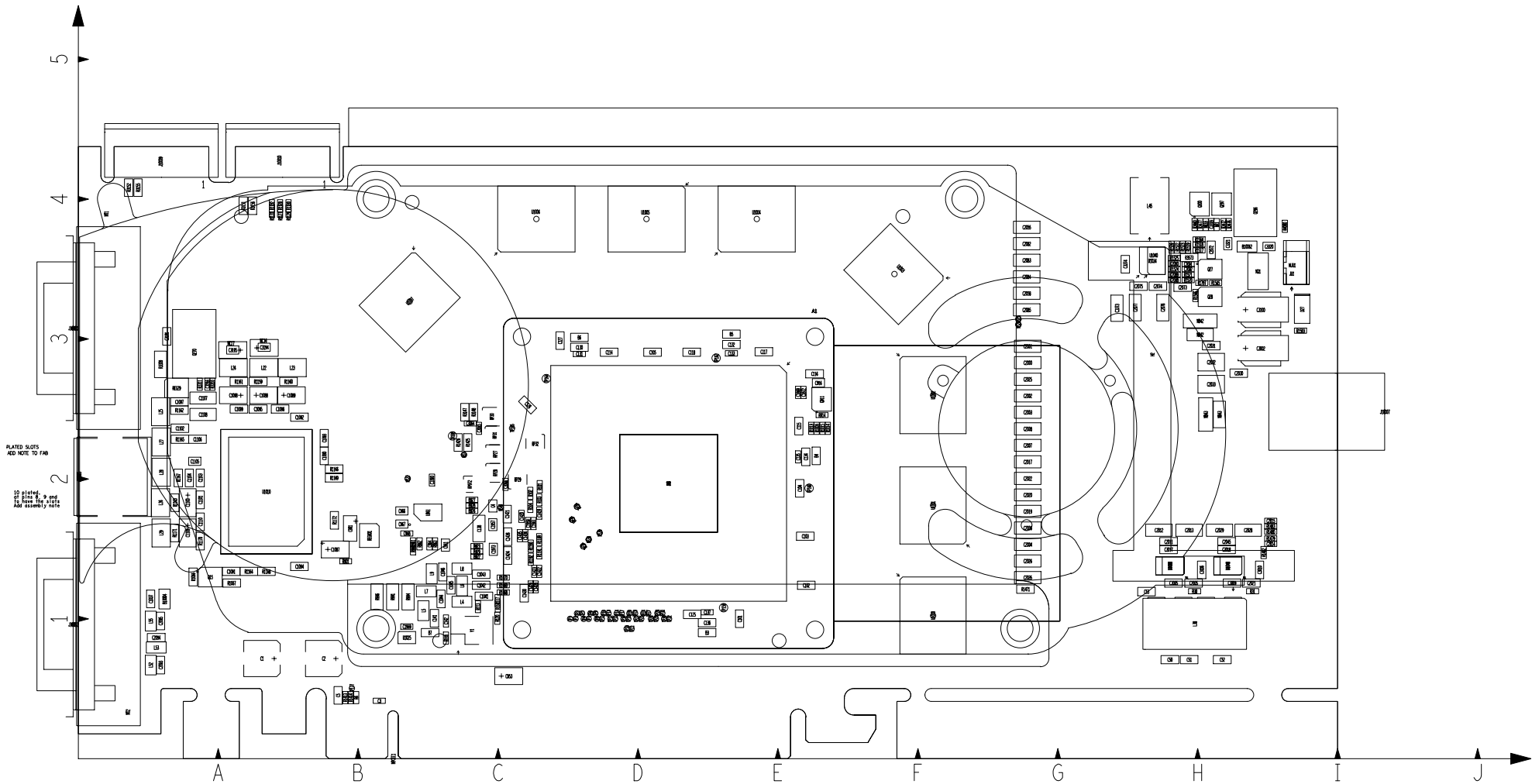
<Variant Name>



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Title	RH PCIE RV570 512M 136b DDR3 DDVI DDVI VIVO CF		
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ASSY4



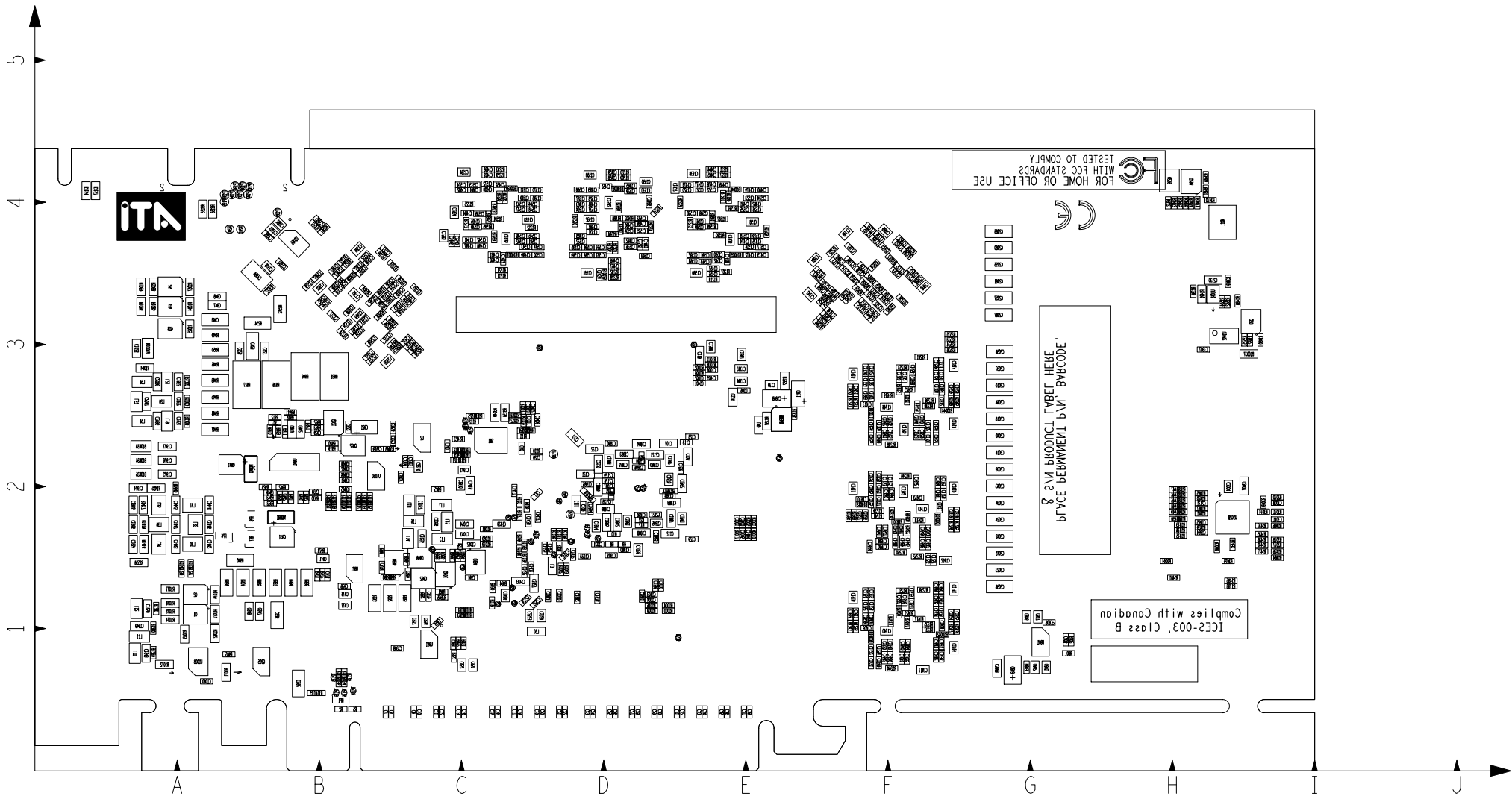
RH PCIE RV570 512M 136b DDR3 DDVI DDVI VIVO CF  
 PN 109-A99931-10  
 Sept 13, 2006  
 Jasmine Lin\SOS

ASSEMBLY TOP  
 SHEET 1 OF 2

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MOTTOB YJBM322A  
 S O S T3E2S

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