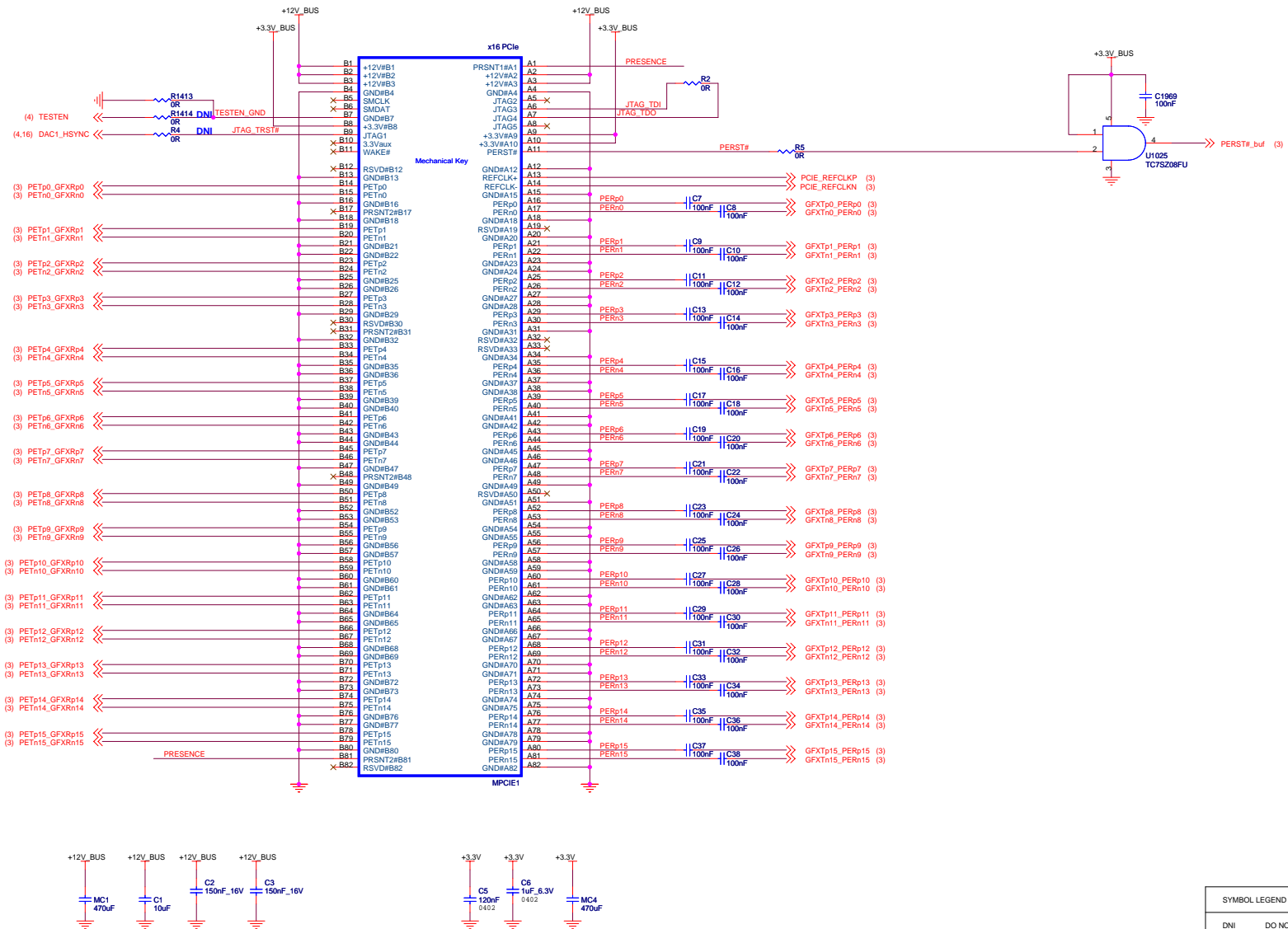
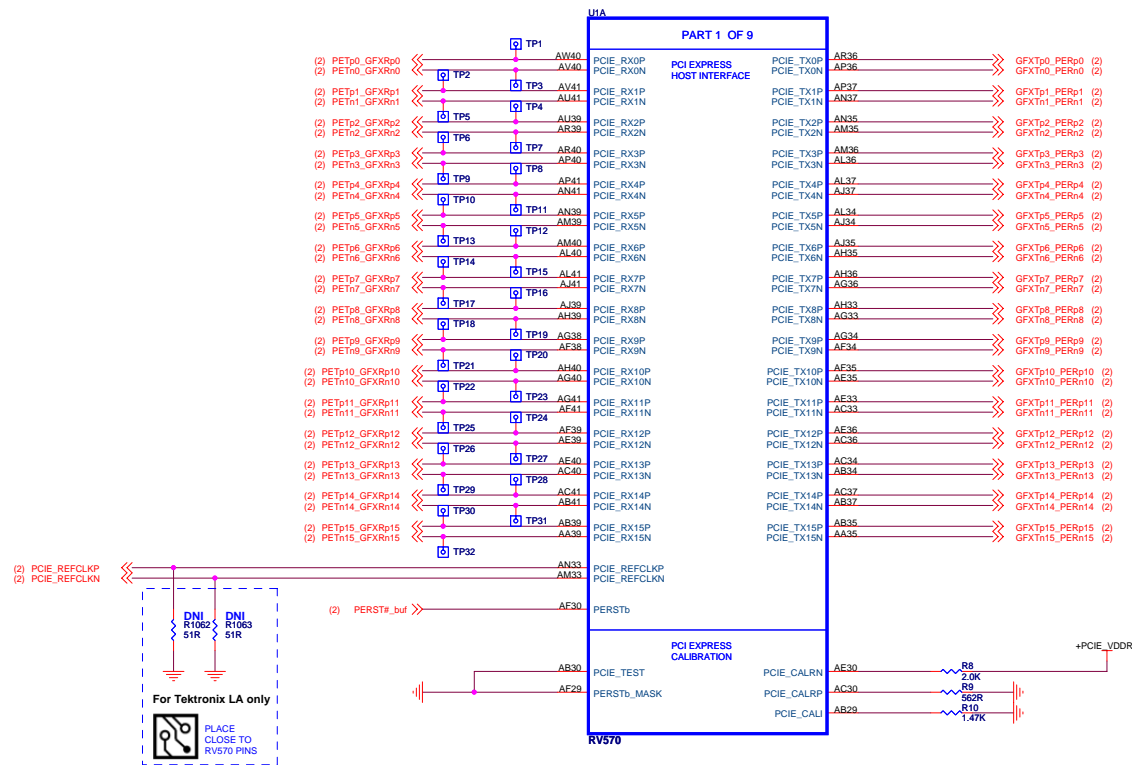


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PCI-EXPRESS EDGE CONNECTOR

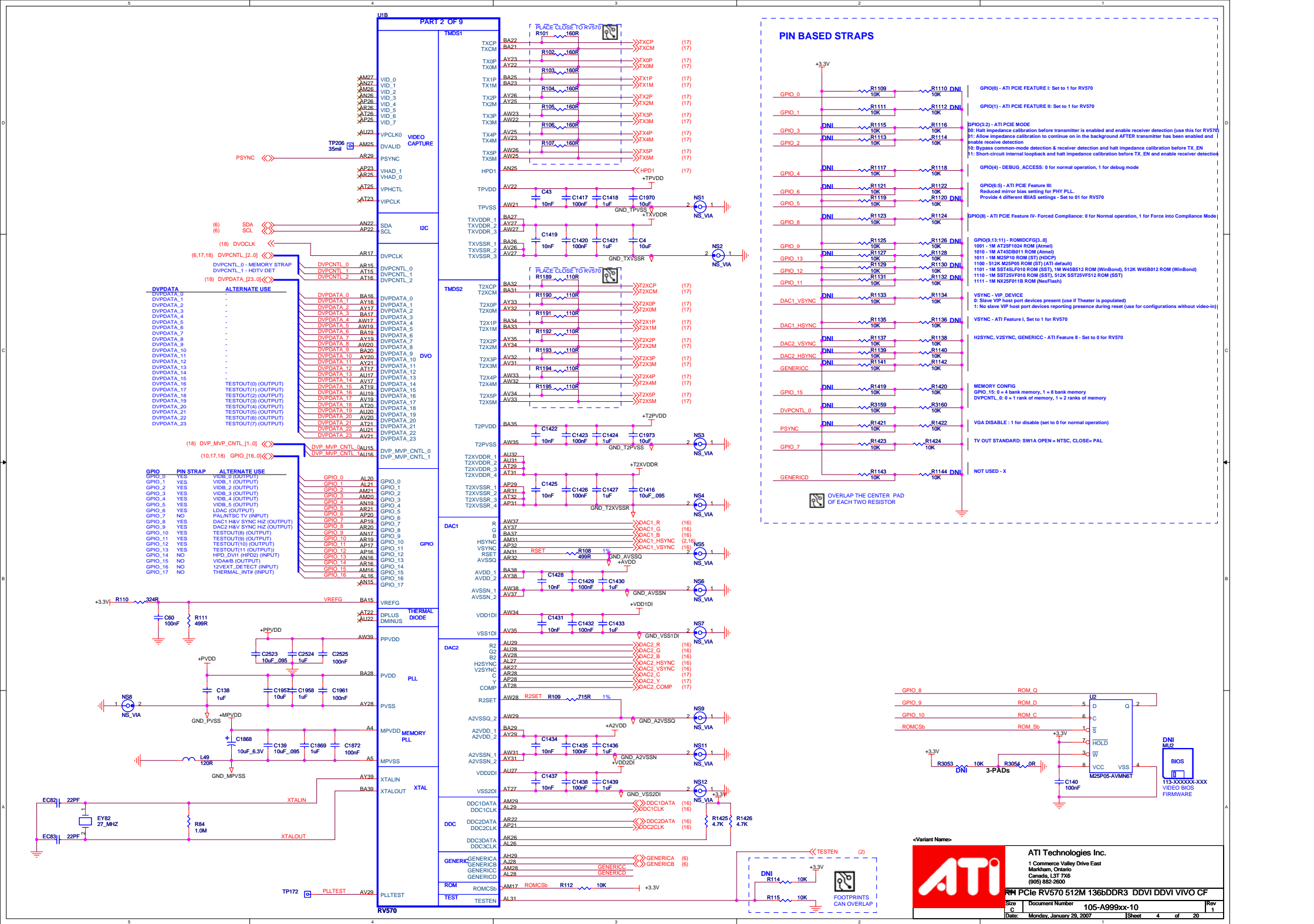


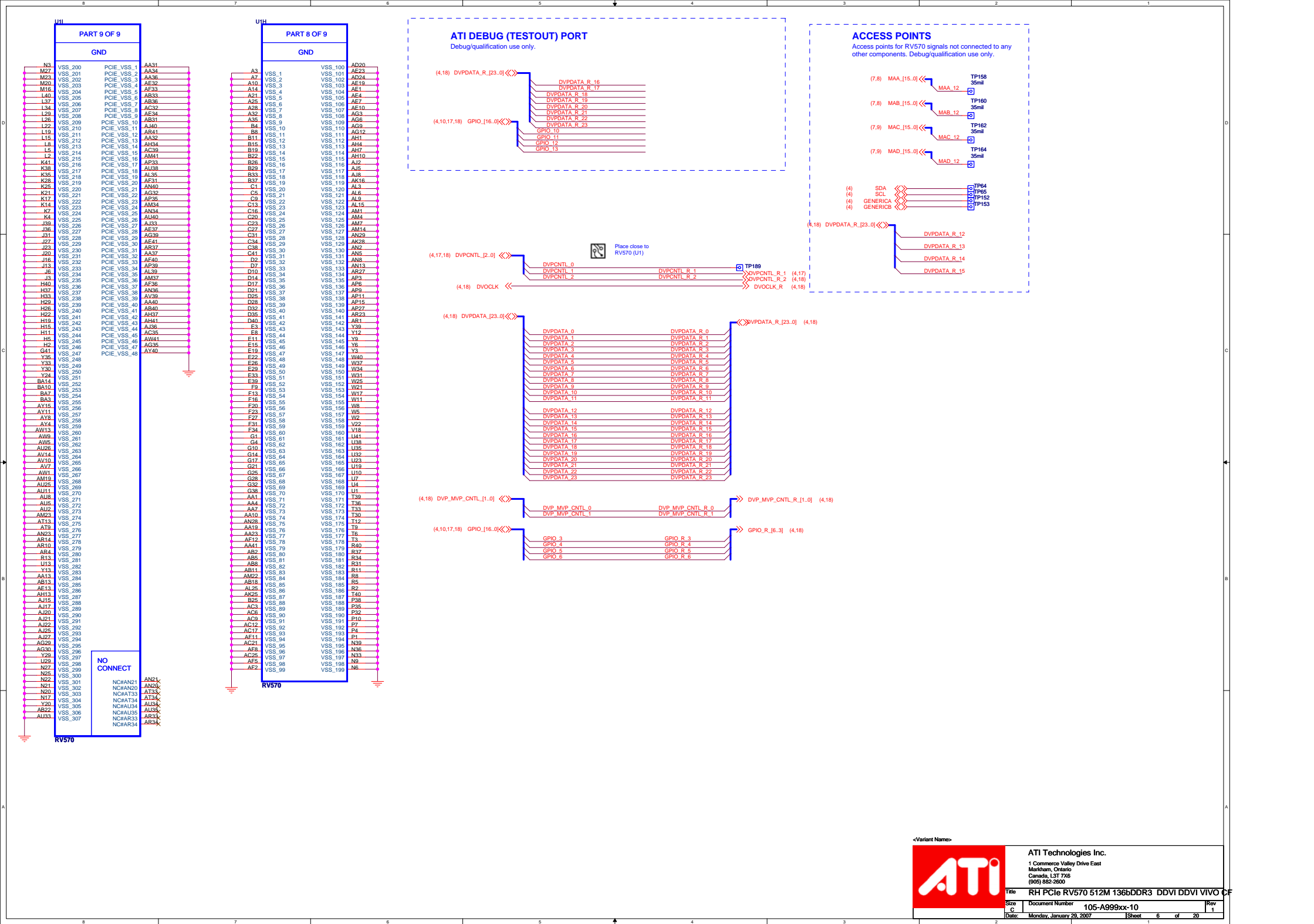
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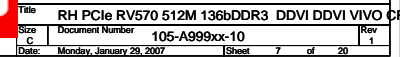


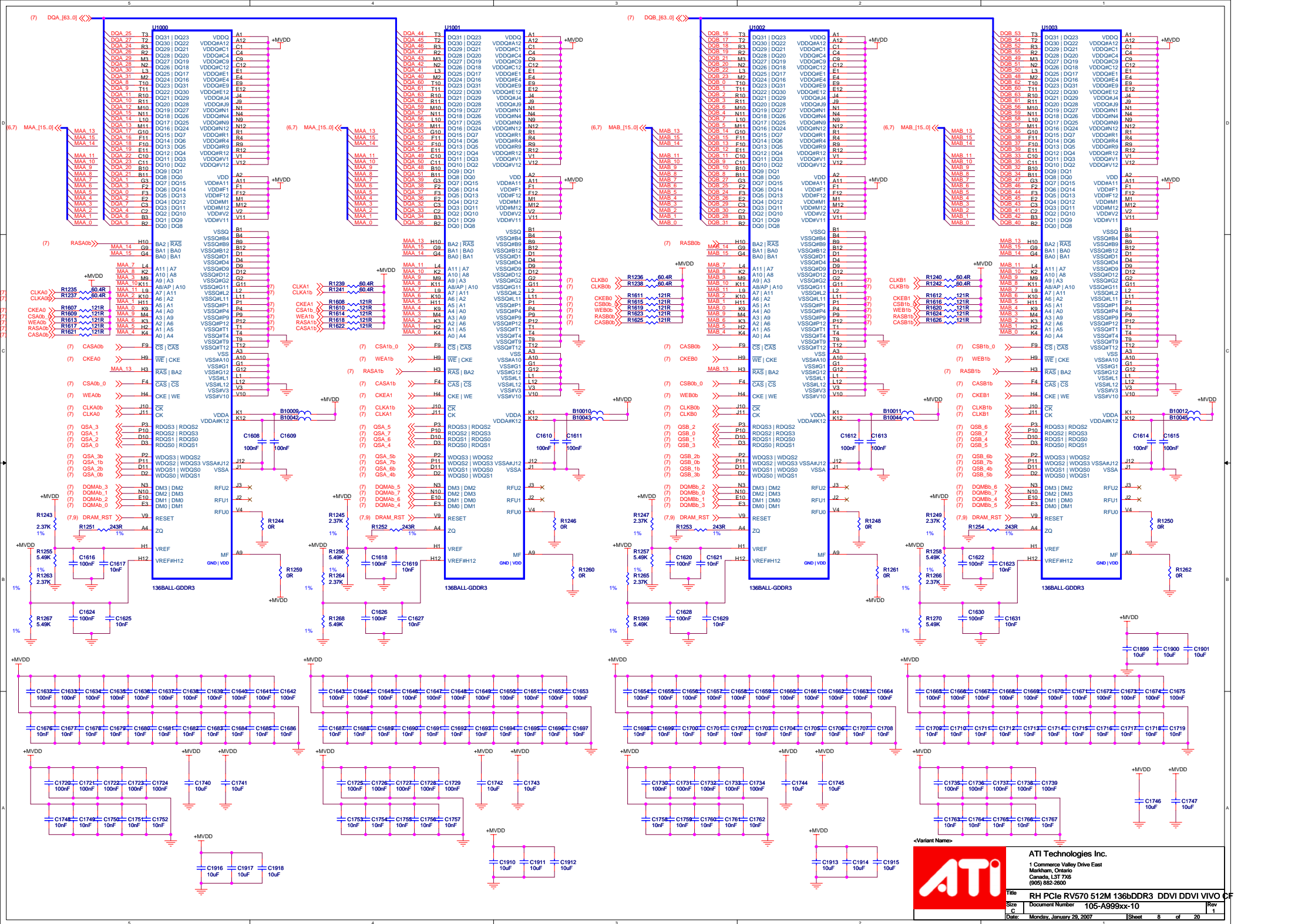
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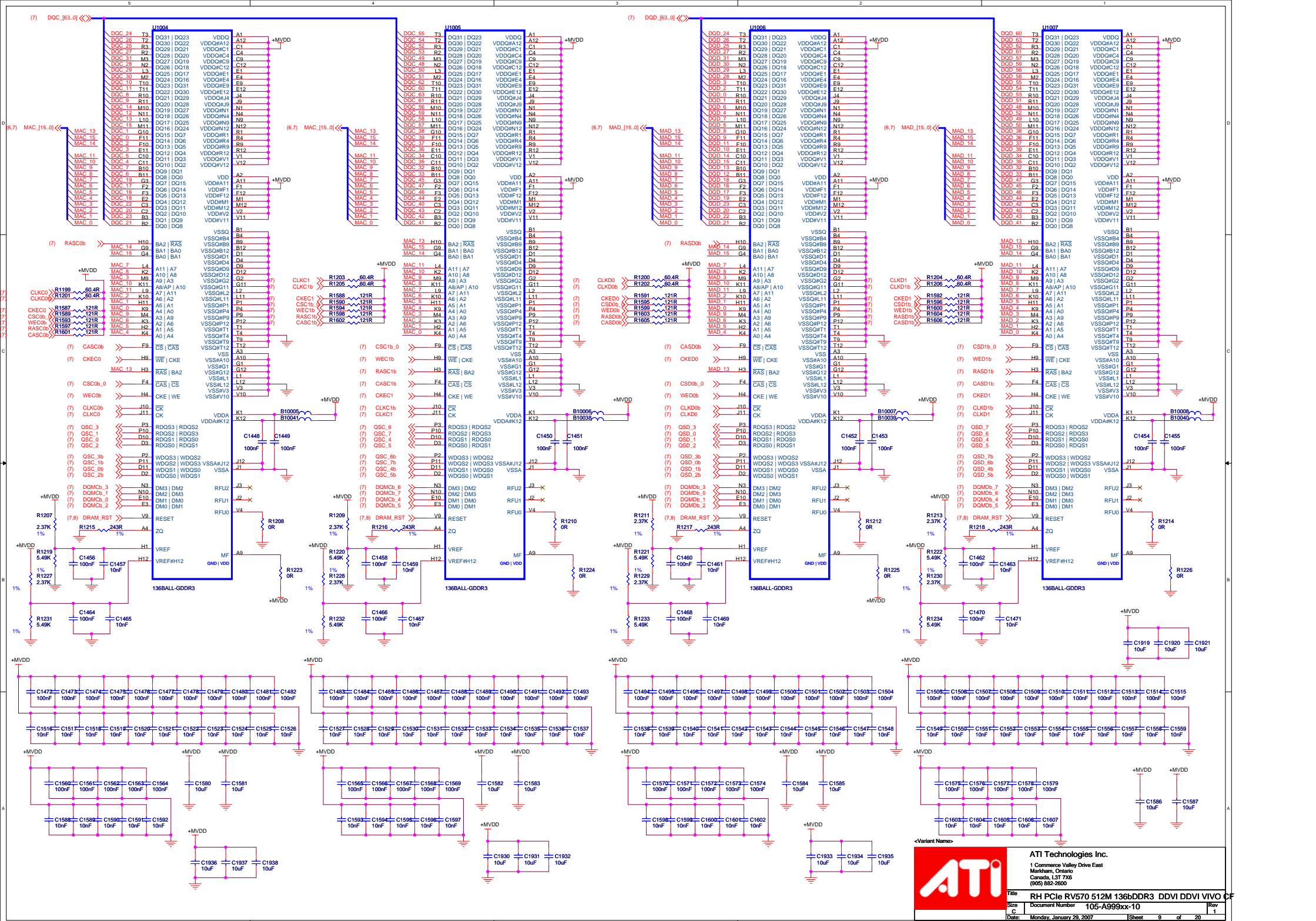
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Size: C	Document Number: 105-A999xx-10	Sheet: 3 of 20	Rev: 1
Date: Monday, January 29, 2007			



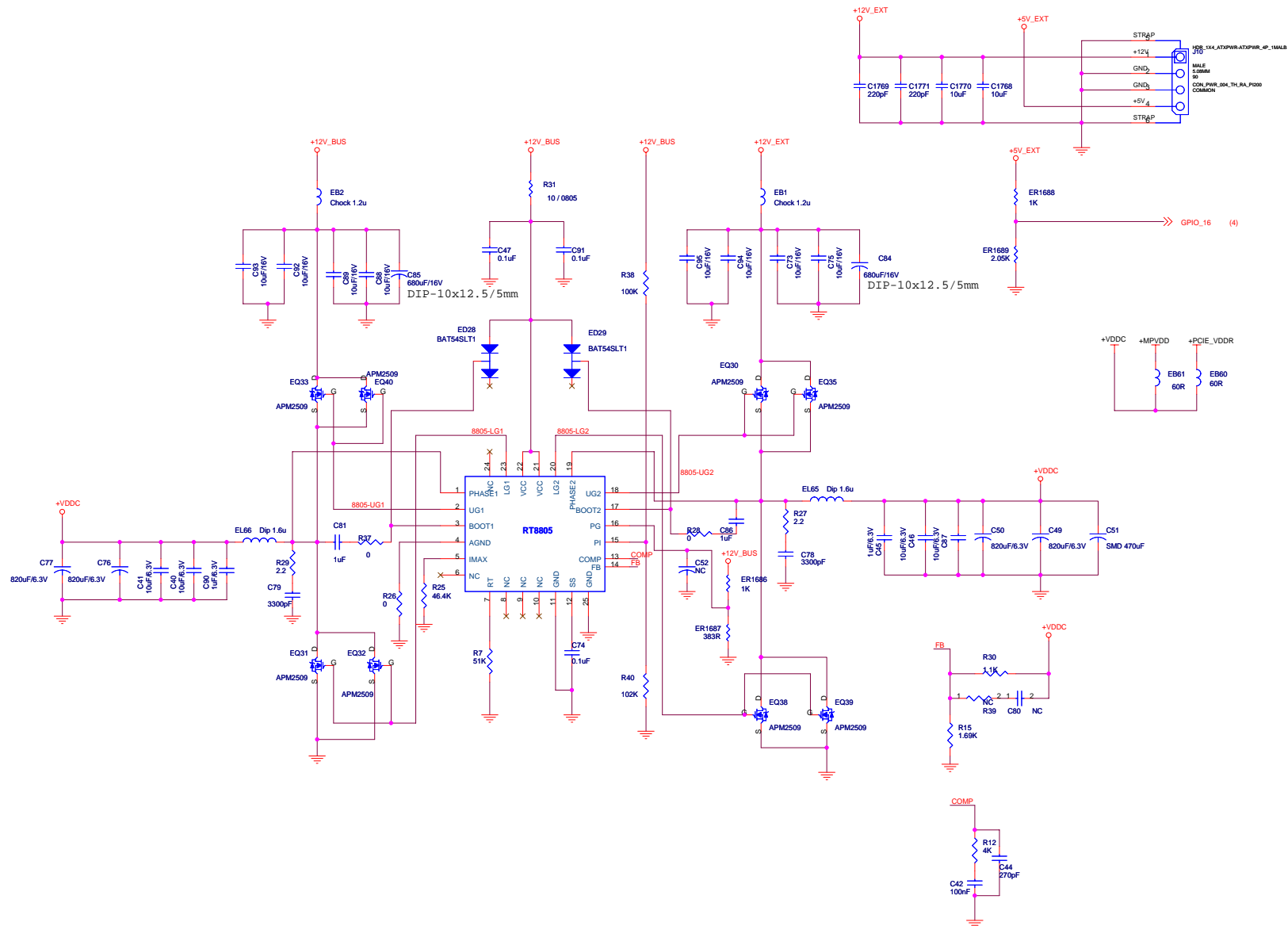






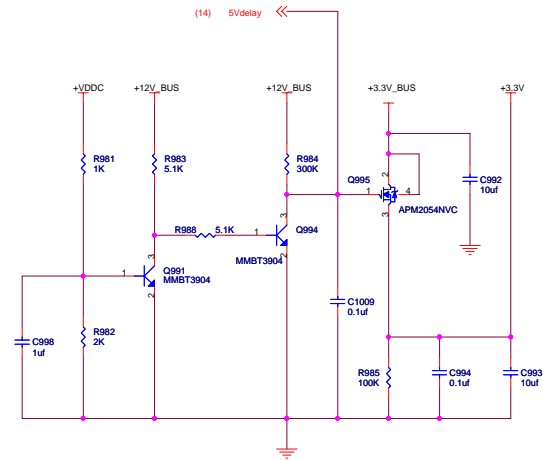


CORE REGULATOR VDDC

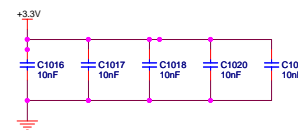
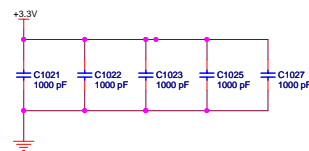
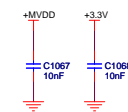
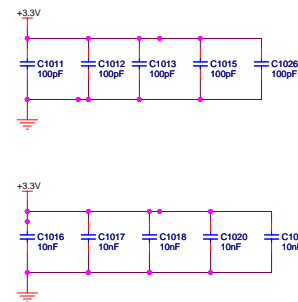
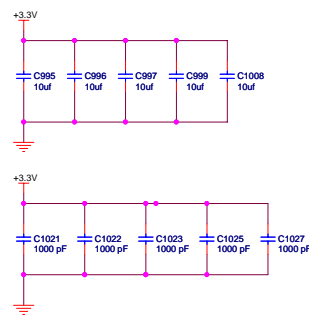


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Size	Document Number				Rev
C	105-A999xx-10				1
Date:	Monday, January 29, 2007		Sheet	10	of 20



EMI Cap



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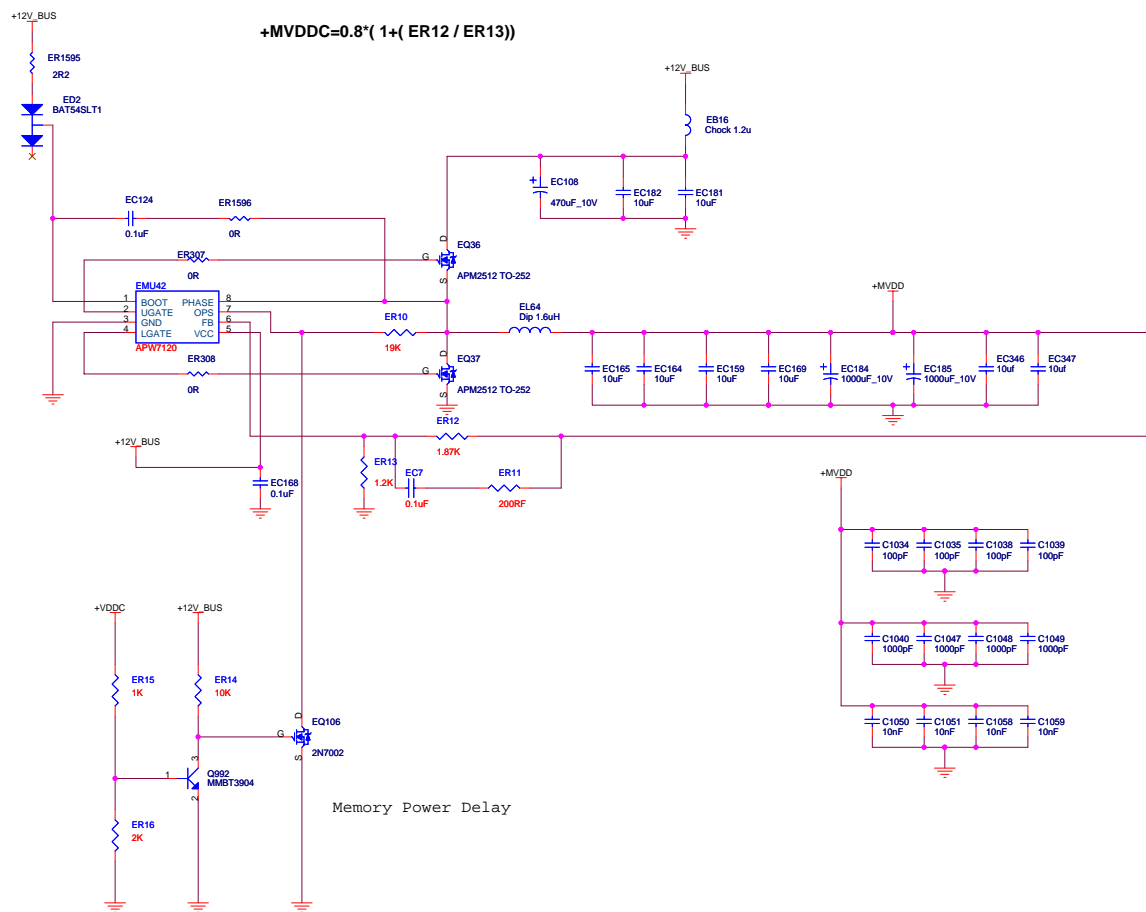
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Size	Document Number	105-A999xx-10	Rev
Custom			1
Date	Monday, January 28, 2007	Sheet	11 of 20



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Size	Document Number	105-A999xx-10			Rev	1			
Custom									
Date:	Monday, January 29, 2007			Sheet	12	of	20		



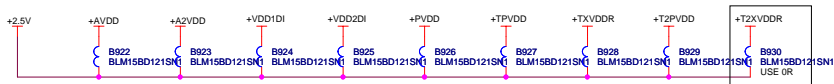
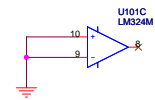
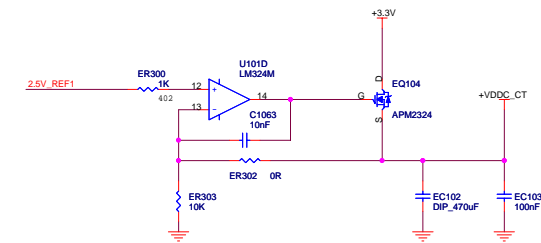
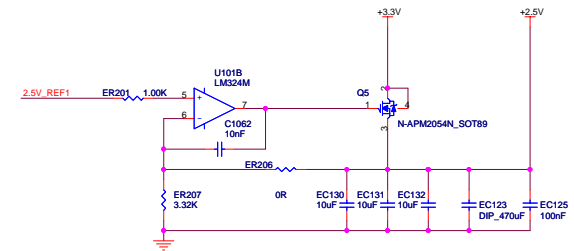
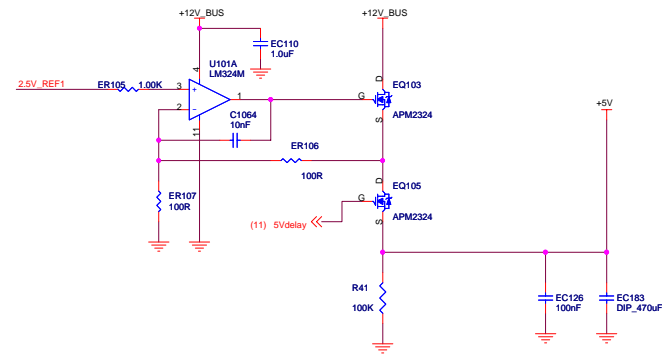
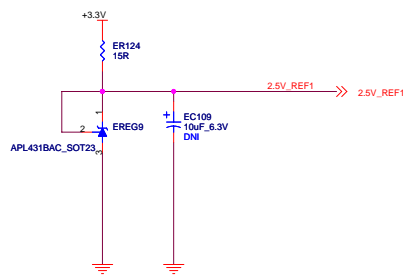
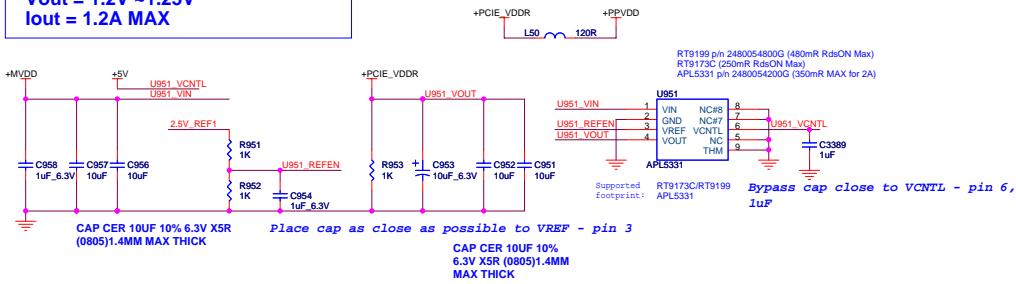
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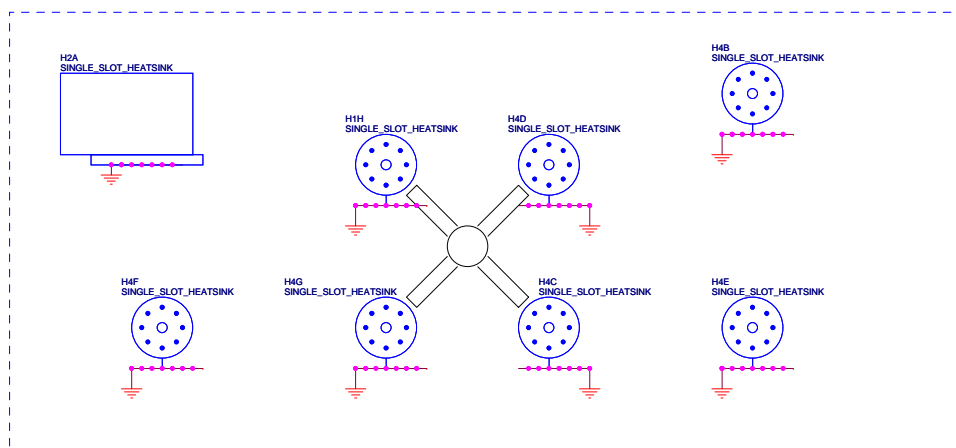
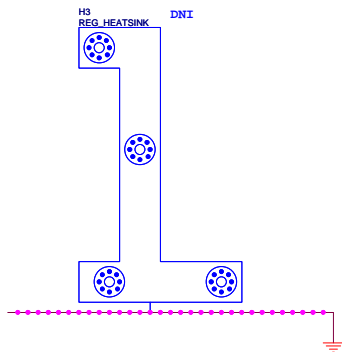
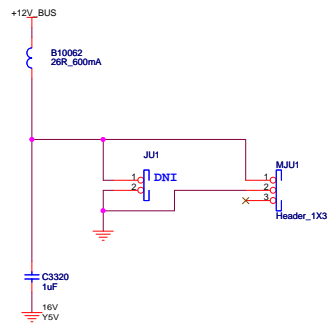
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Size	Document Number	105-A999xx-10	Rev
C			1
Date:	Monday, January 29, 2007	Sheet	13 of 20

Optional regulator for +PCIE
Vout = 1.2V ~1.25V
Iout = 1.2A MAX



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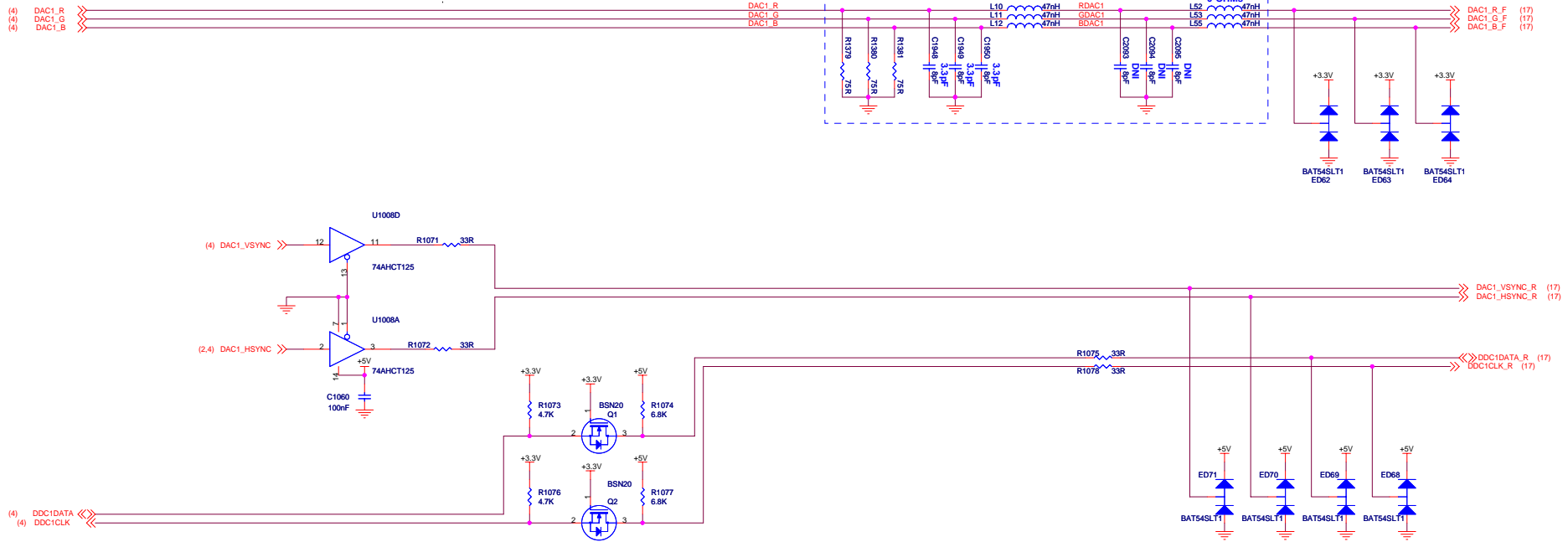
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Size C	Document Number	105-A999xx-10	Rev 1
Date:	Monday, January 29, 2007	Sheet	14 of 20



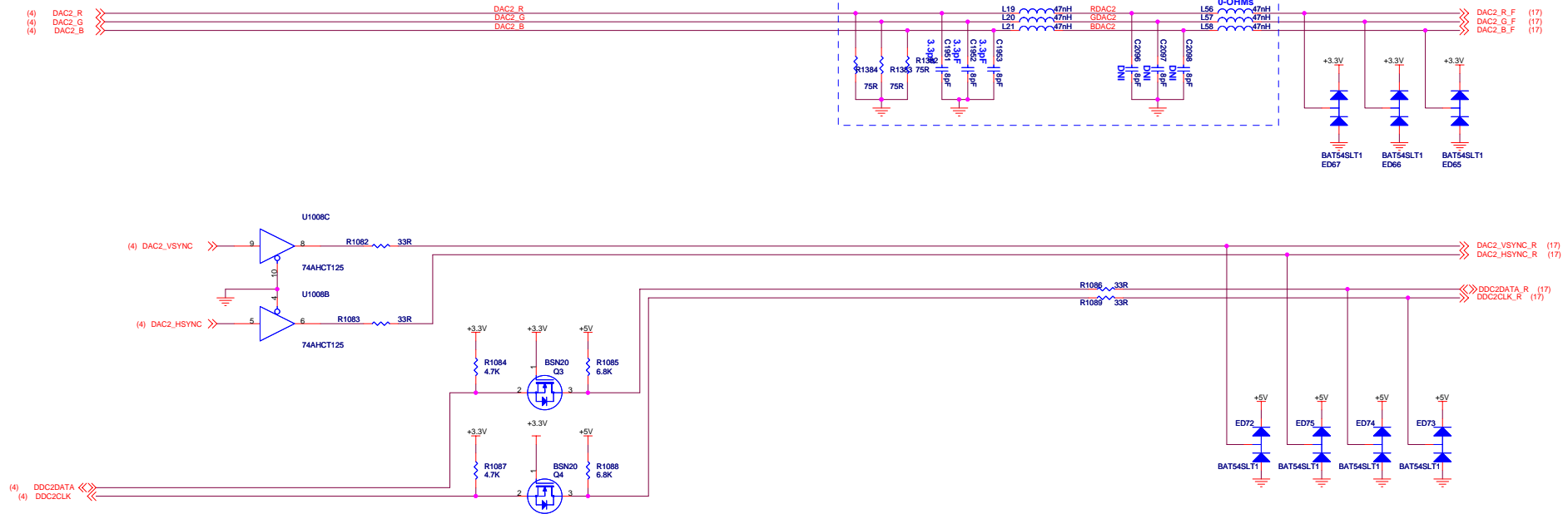
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Size	Document Number	105-A999xx-10	Rev
C			1
Date:	Monday, January 28, 2007	Sheet	15 of 20

DAC1 FILTERS (PRIMARY DISPLAY)



DAC2 FILTERS



<Variant Name>



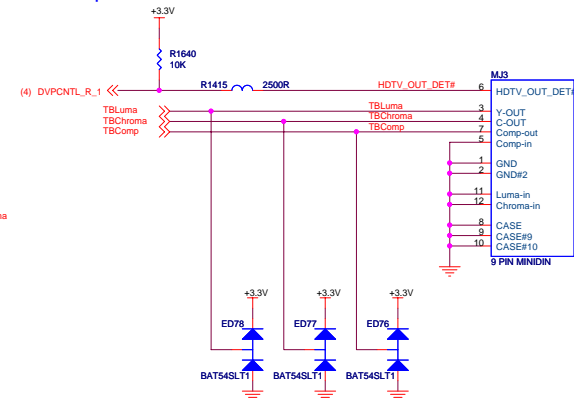
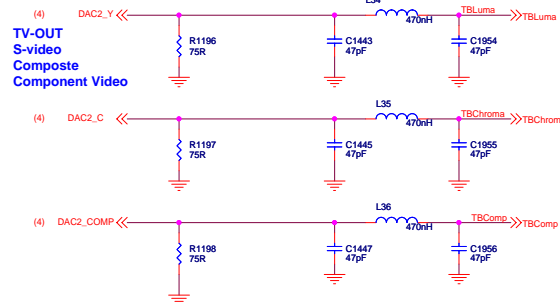
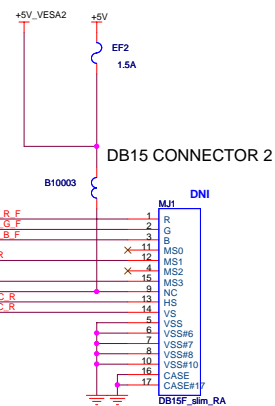
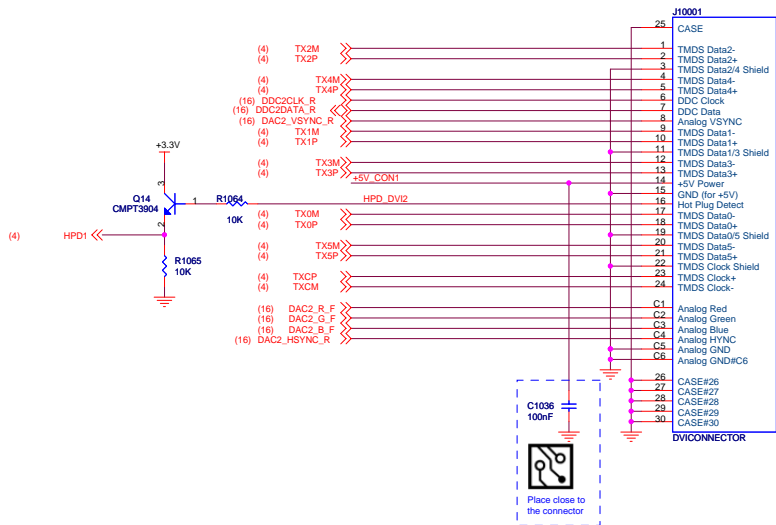
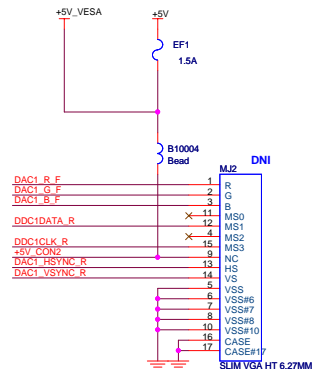
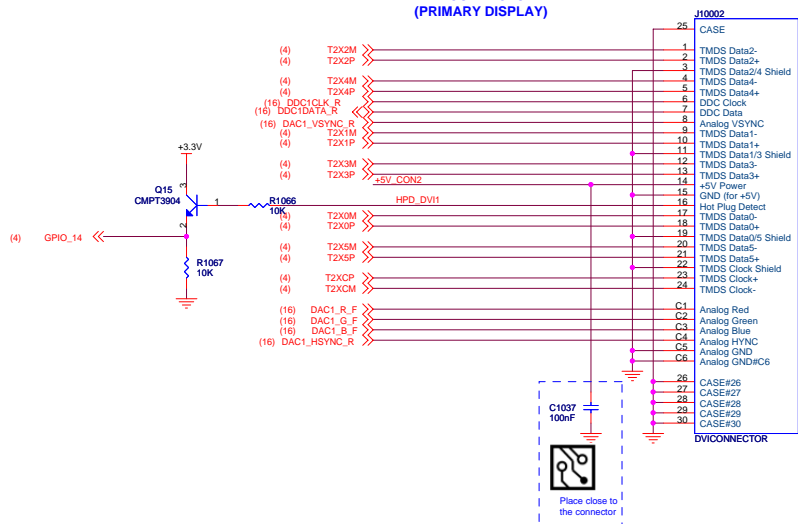
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Title RH PCIe RV570 512M 136bDDR3 DDVI DDVI VIVO CF

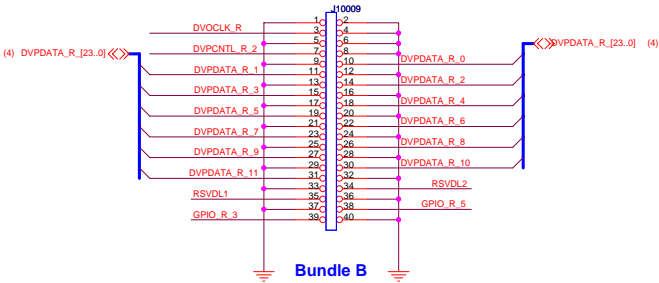
Size C Document Number 105-A999xx-10

Date: Monday, January 29, 2007 ISheet 16 of 20

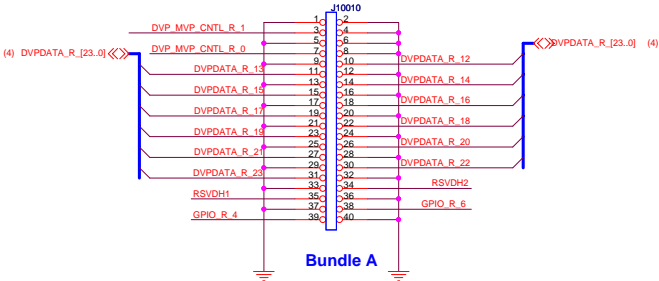


CrossFire Card-Edge

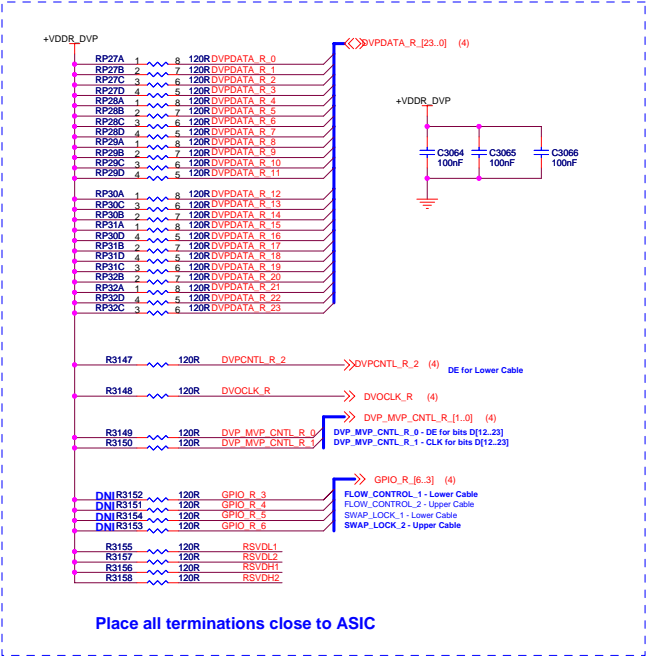
Lower Cable Card Edge



Upper Cable Card Edge



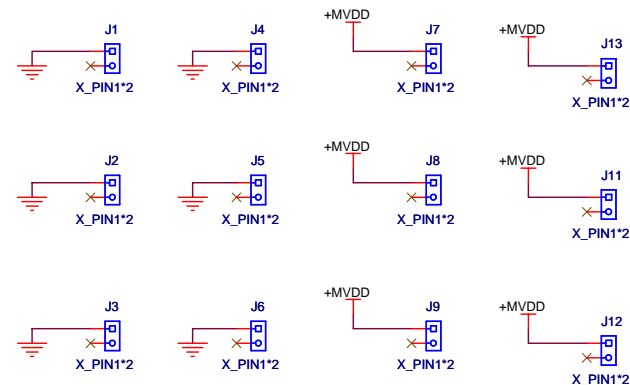
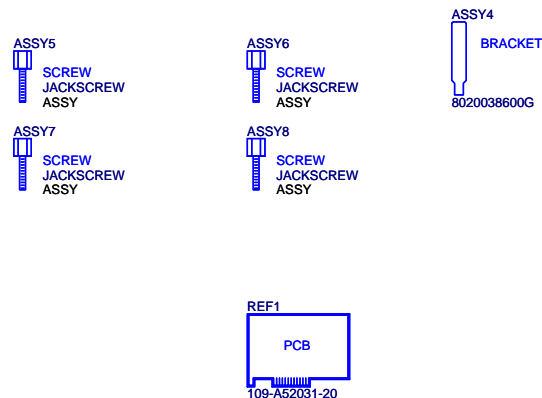
DNI - if CrossFire is not used



Place all terminations close to ASIC



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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:
1 - Other components are to be installed.
2 - 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 136bDDR3 DDVI DDVI VIVO CF		
Size	Document Number	105-A999xx-10	Rev 1
Date:	Monday, January 29, 2007	Sheet 19 of 20	



Title
RH PCIe RV570 512M 136bDDR3 DDVI DDVI VIVO CF

Schematic No.
105-A999xx-10

Date:
Monday, January 29, 2007

REVISION HISTORY

Rev 1

Sch Rev
PCB Rev
Date

REVISION DESCRIPTION

0
00A
Apr 19 / 06

- Based on A88131-00B PCB - cost-down to 8 layers and replaced regulators to cheaper versions..
-Changed VDDC regulator to 50A (dual phase) for cost down purposes.

- Changed VDDCI regulator.

- Changed memory regulators to one regulator MVDD.

- Change regulators for other rails.

1
00
July 10/ 06

- Added mechanical holes for optional heatsink for Volterra parts.
- Grounded holes for socket.
- R121 resistor at VREFG that was connected to +1.8V has been removed .and replaced with capacitor C60.
- Removed R1469 - not used.
- Removed B992 - not used.
- Removed optional regulator MU7.
- Removed B911.

NOT FINAL - Note that the change history to -10 will be added in a refresh of this schematic. The Tach resistor change has been included under the Thermal Management sheet.