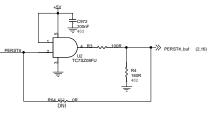


GND_MPVSS GND_TPVSS GND_AZVSSN GND_AVSSQ GND_RSET
GND_AVSSN GND_PVSS GND_TXVSSR GND_AZVSSQ GND_R2SET

NOTE: THIS IS A DRAWING. THESE
GROUNDS MUST BE MANUALLY
CONNECTED TO THE GROUND PLANE



SYMBOL LEGEND

DNI DO NOT INSTALL

ACTIVE LOW

DIGITAL GROUND

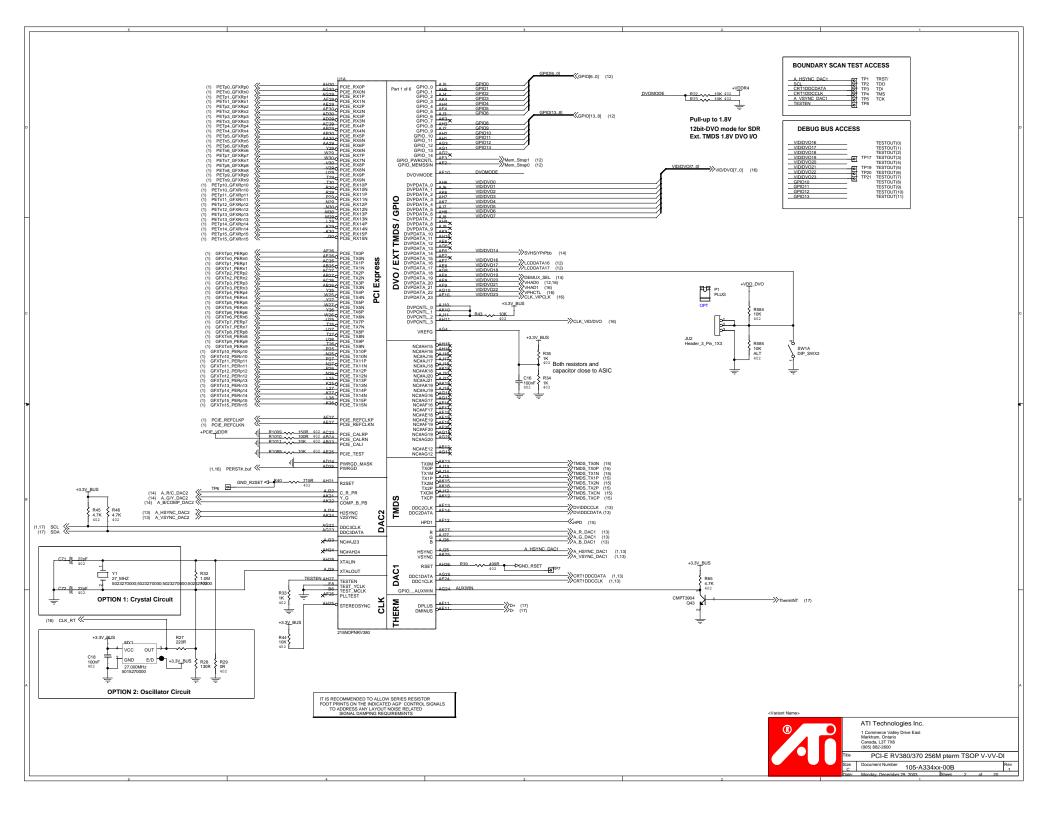
ANALOG GROUND

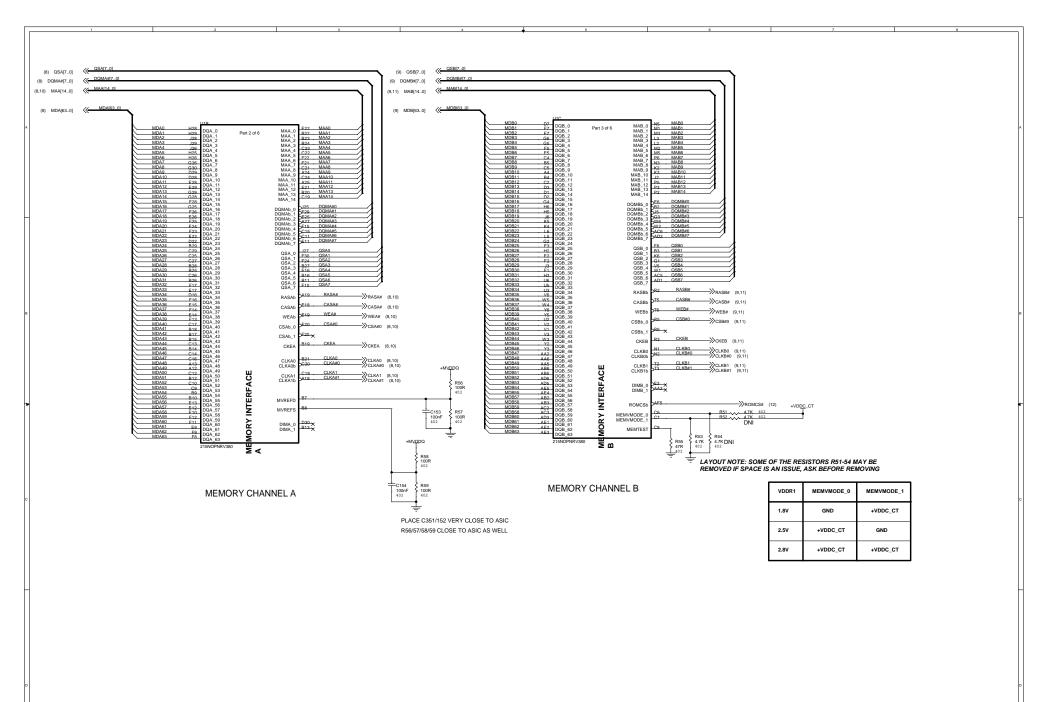


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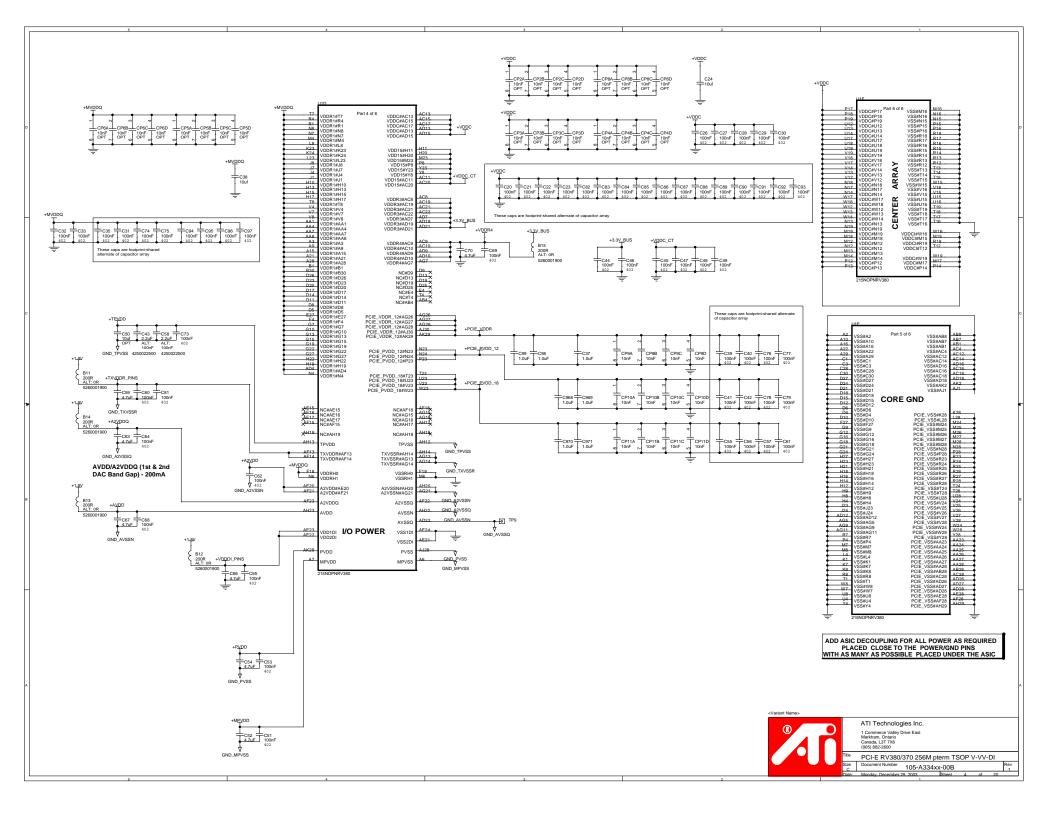
PCI-E RV380/370 256M pterm TSOP V-VV-DI

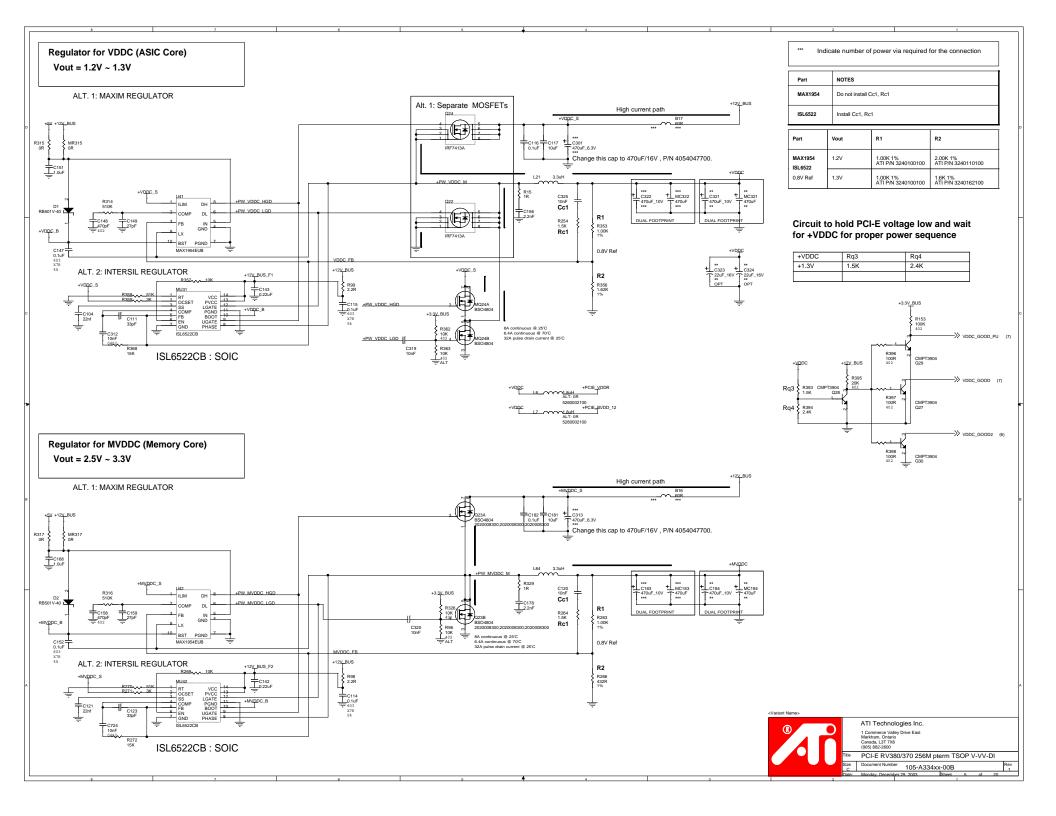
ize Document Number 105-A334xx-00B

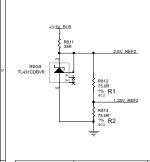




| ATI Technologies Inc. | 1 Commerce Valley Drive East Matchani, Oranio | Galley Bruz | East Matchani, Oranio | Galley Basz-2600 | Title | PCI-E RV380/370 256M pterm TSOP V-VV-DI | Size | Document Number | 105-A334xx-00B | Rev | 1 Date: Morday, December 29:2003 | Sheet | 3 of 20 | 20 | Commerce 20:2003 | Commerce 20

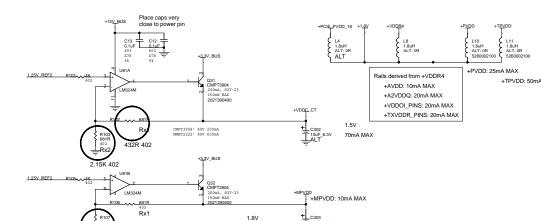


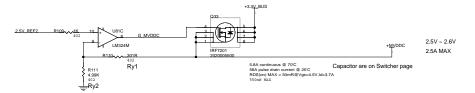




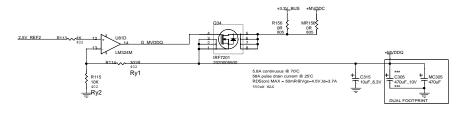
Voltage Req.	R1	R2			
0.8V	150R	71.5R			
	P/N 3240150000	P/N 324075R500			
1.25V	75R P/N 3240075000 603 P/N 316075R000 402	75R P/N 3240075000 603 P/N 316075R000 402			
1.5V	49.9R	75R			
	P/N 3240049900	P/N 3240075000 603 P/N 316075R000 402			
1.8V	54.9R	140R			
	P/N 3240054900	P/N 3240140000			
1.84V	49.9R	140R			
	P/N 3240049900	P/N 3240140000			
Voltage Req.	Rx1 for 1.25V Ref	Rx2 for 1.25V Ref			
1.5	432R	2.15K			
	P/N 3240432000	P/N 3240215100			
1.6V	432R	1.5K			
	P/N 3240432000	P/N 3240150100			
1.7V	432R	1.21K			
	P/N 3240432000	P/N 3240121100			
1.8175V	681R P/N 3240681000 603 P/N 3160681000 402	1.5K P/N 3240015200			

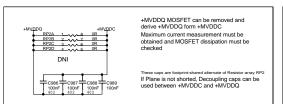
Voltage Req.	Ry1 for 2.5V Ref	Ry2 for 2.5V Ref		
3.3V	1.07K	3.32K		
	P/N 3240107100	P/N 3240332100		
2.7V	301R (402, 1%)	3.32K		
	P/N 3160301000	P/N 3240332100		
2.65V	301R (402, 1%)	4.99K (402, 1%)		
	P/N 3160301000	P/N 3160499100		
2.5V	0R P/N 3230000000 603 P/N 3150000000 402	DNI		

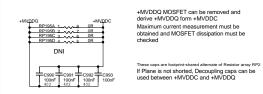




175mA MAX





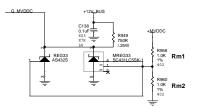


	Rt1	Rt2
1.52V +0.01V/-0.01V	432R 3240432000	2.15K
1.61V +0.01V/-0.01V	432R 3240432000	1.5K 3230015200
1.69V +0.01V/-0.01V	432R 3240432000	1.21K 3240121100
1.718V +0.01V/-0.01V	562R 3240562000	1.5K 3230015200
1.8175V +0.01V/-0.01V	681R 3240681000	1.5K 3230015200

2.5V ~ 2.6V 1A MAX

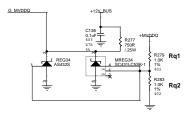
Alt. regulator for +MVDDC Vout = 2.5V ~ 2.6V lout = 500mA MAX

	Voltage Reg.	Rm1	Rm1		Rm2	
	3.34V	4.32H	<	2.55	<	
	[-0.04V/+0.04V]					
MA	X3.45V	4.32F	<	2.43	<	
	[-0.04V/+0.04V]			İ		
	2.5V	1K	3240100100	1K	3240100100	
	[-0.03V/+0.03V]	İ				



Alt regulator for +MVDDQ Vout = 2.5V ~ 2.6V lout = 200mA MAX

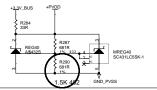
Voltage Req.	Rq1		Rq2	
1.8V	681R	3240681000	1.5K	3230015200
[-0.09V/+0.18V]				
2.5V	1K	3240100100	1K	3240100100
2.6V	4.75K	3240475100	4.32K	3240432100

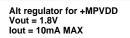


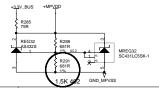
Regulator for +VTT (Termination) Vout = 1.25V ~ 1.3V with +2.5V +MVDDQ lout = 1000mA MAX

+MVDDQ = +2.5V	Rt1		Rt2	
1.25V	1K	3240100100	1K	3240100100
1.3V	1.0K	3240100100 603	1.02K	3240102100
		3160100100 402		

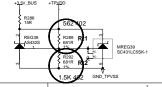
Alt. regulator for +PVDD Vout = 1.8V lout = 30mA MAX



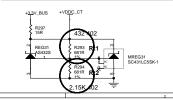




Alt. regulator for +TPVDD Vout = 1.6V ~ 1.8V lout = 50mA MAX

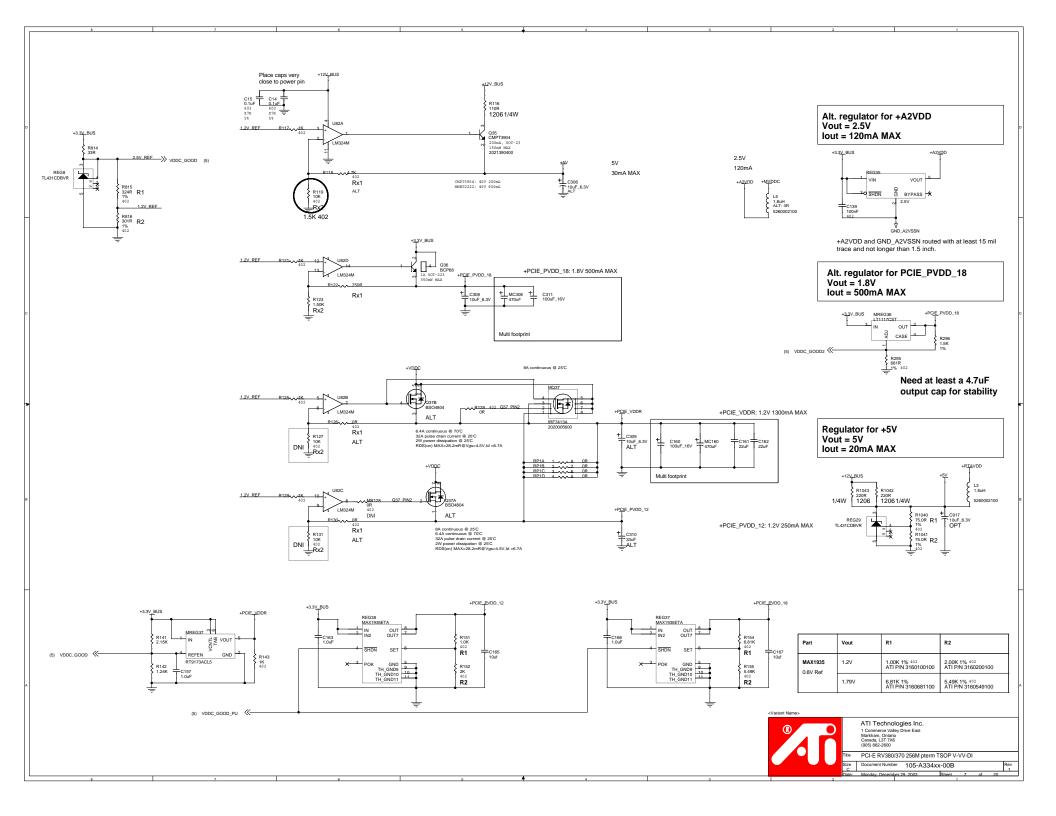


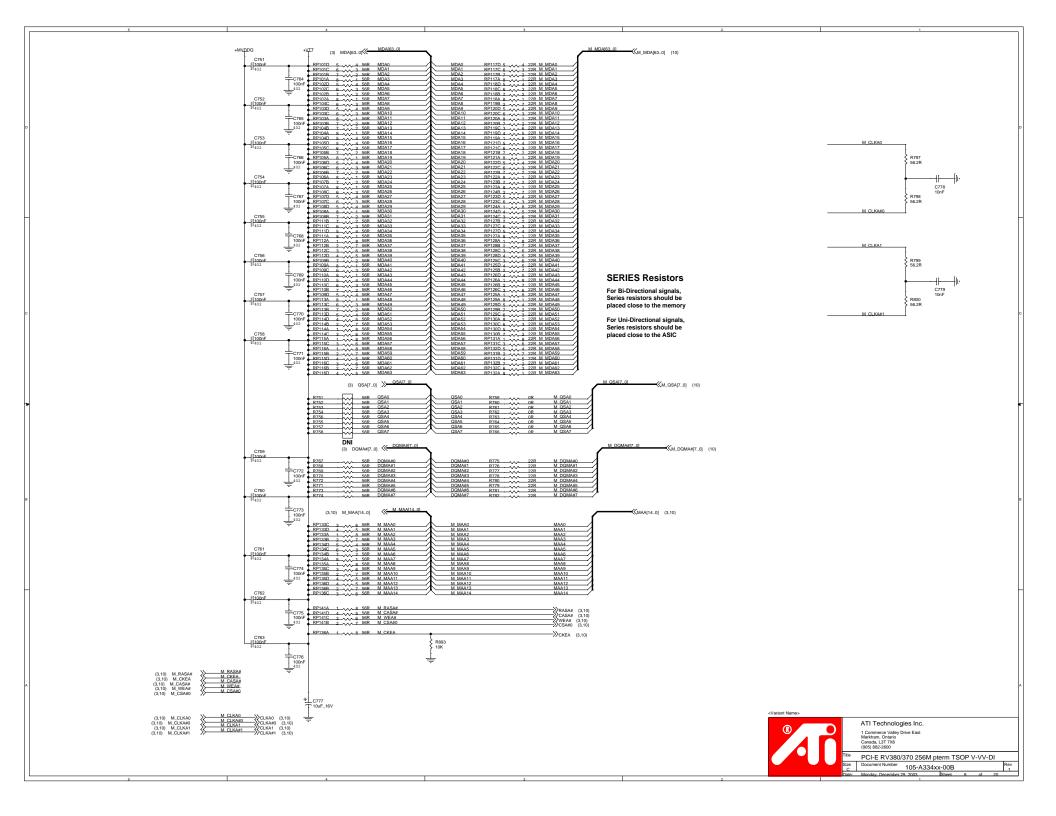
Alt regulator for +VDDC_CT Vout = 1.5V lout = 70mA MAX

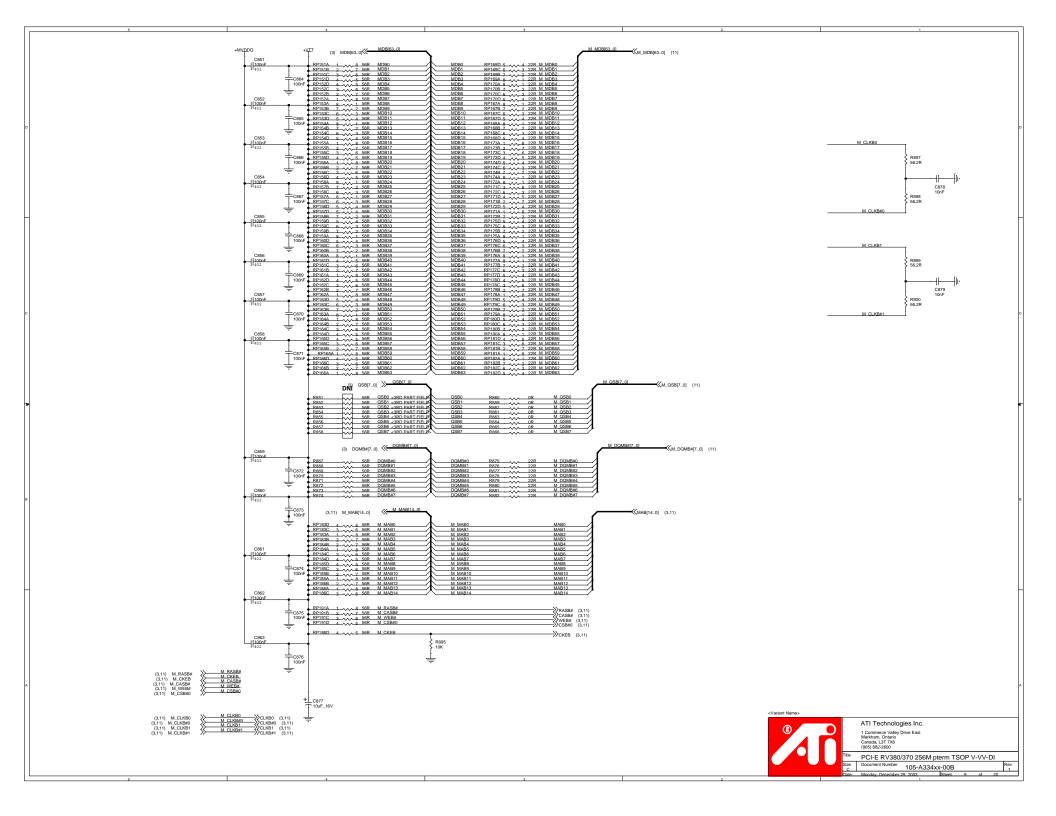


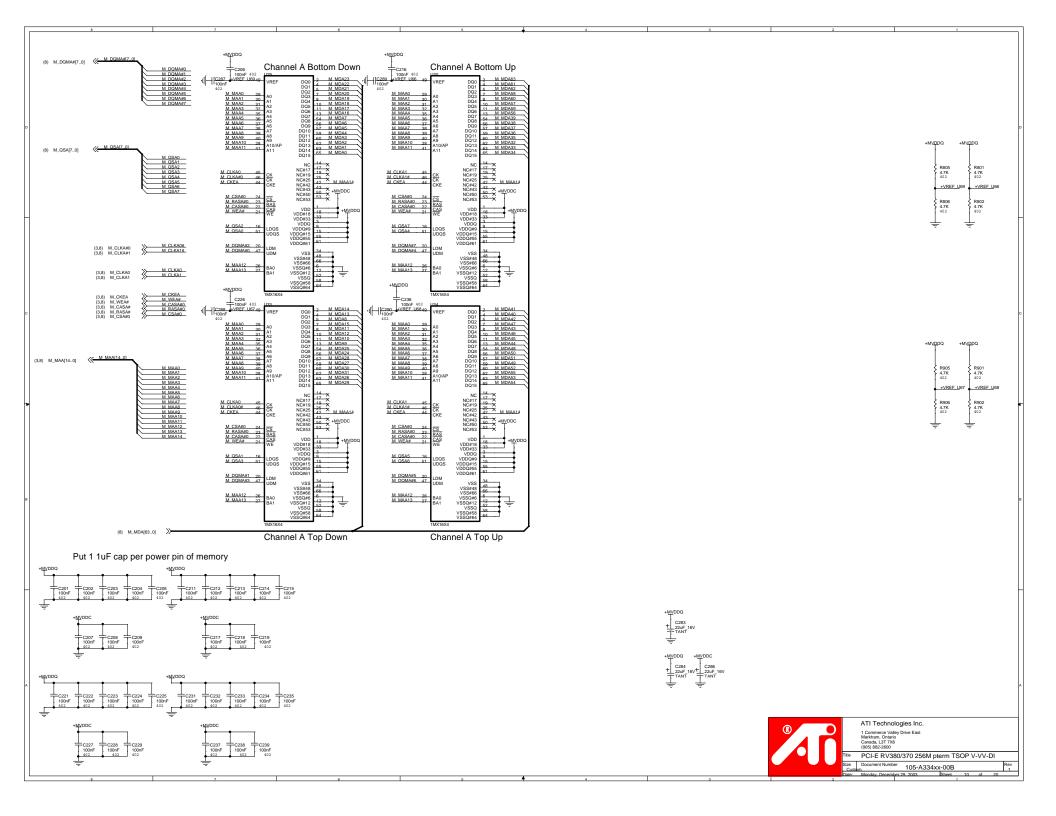


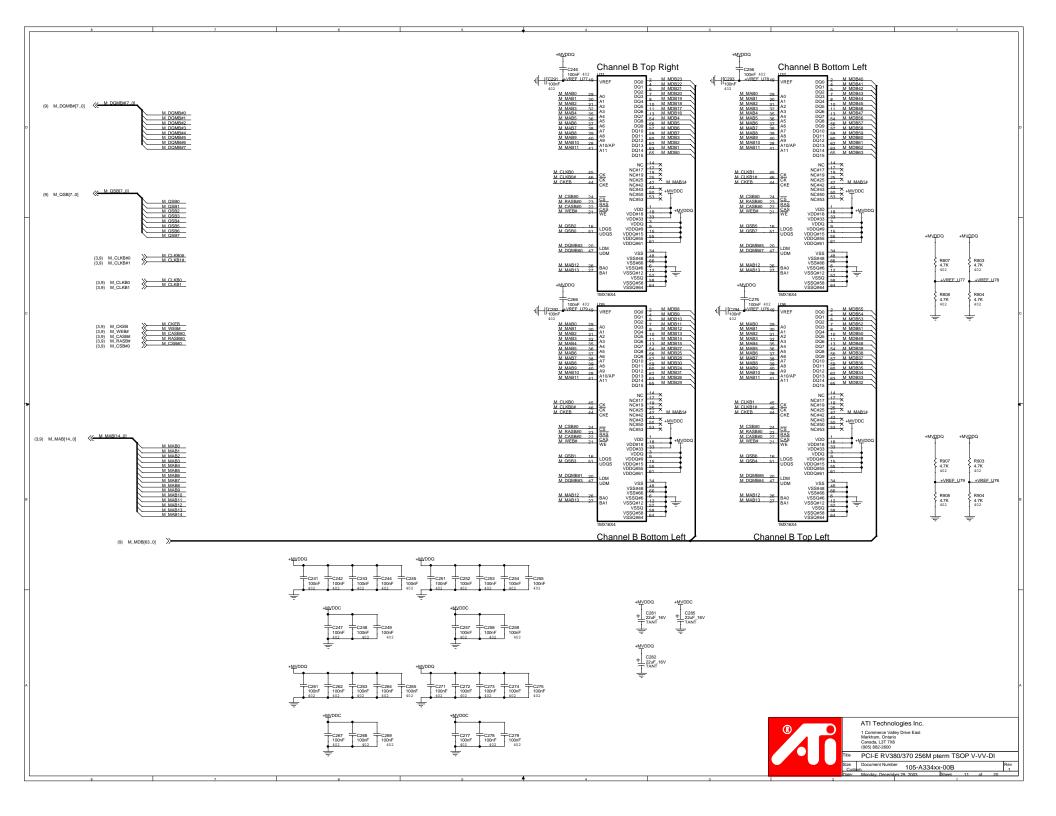


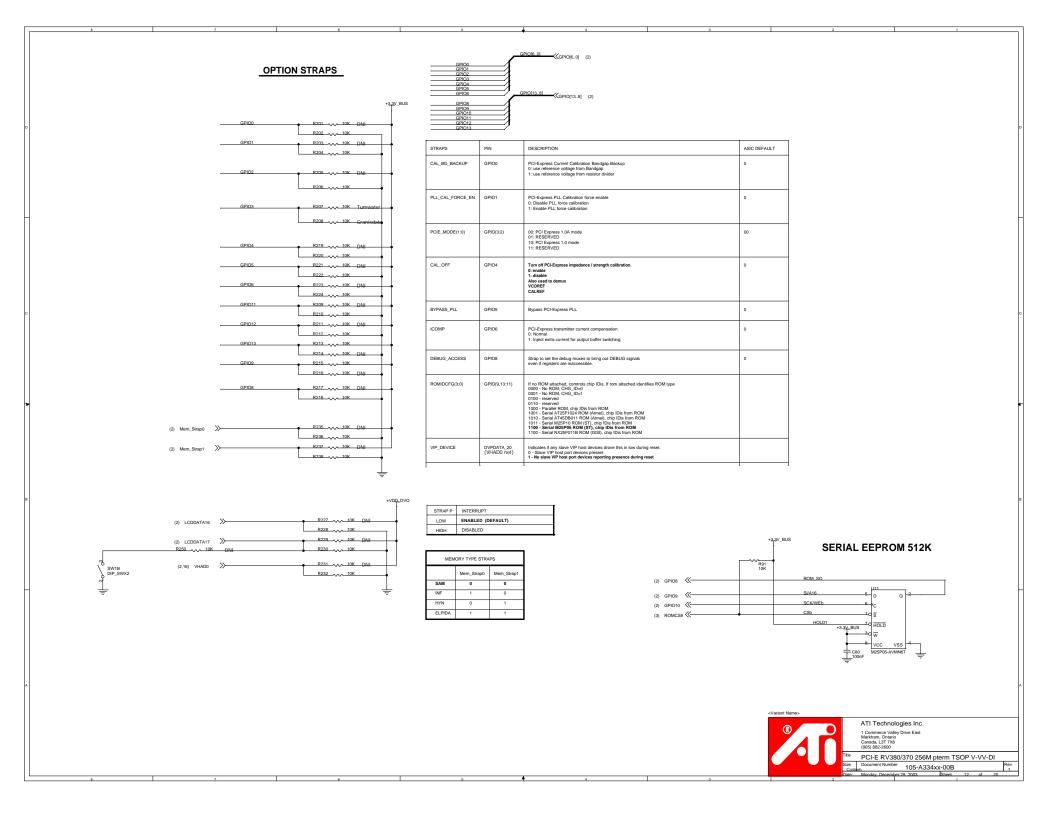


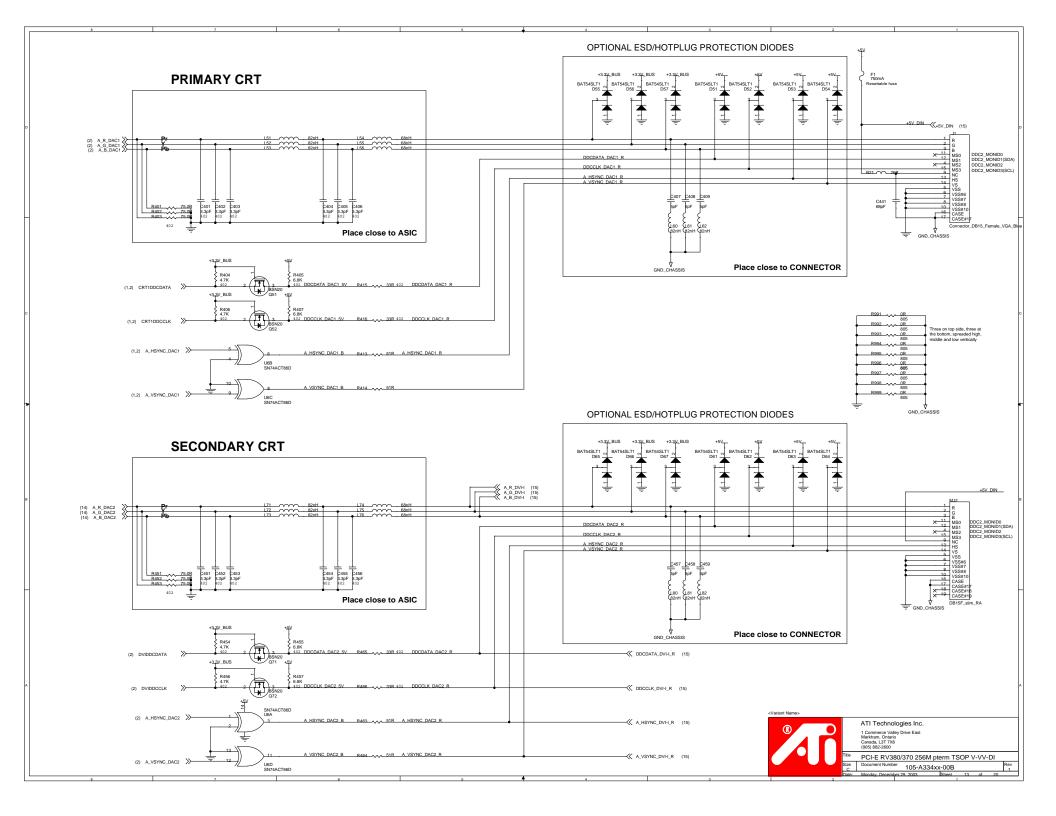


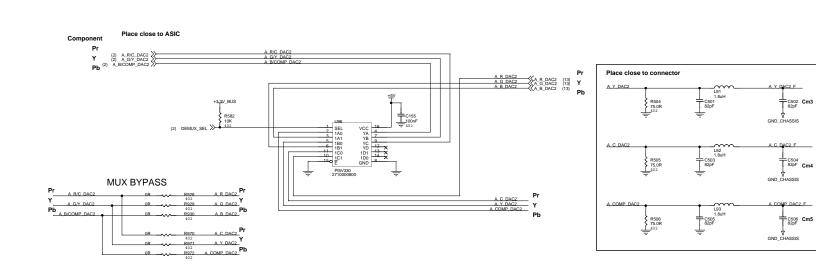


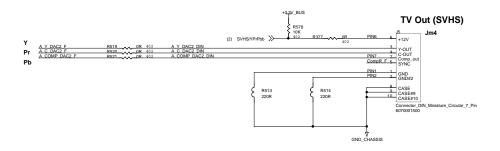




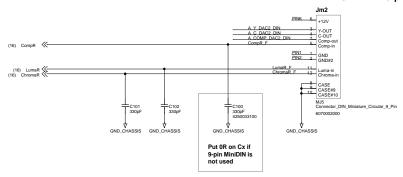








VIVO MiniDIN 9-pin





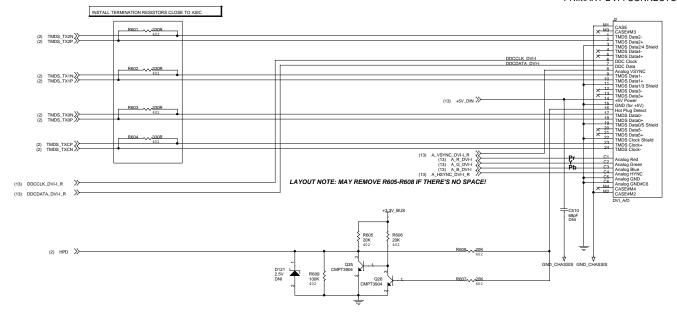
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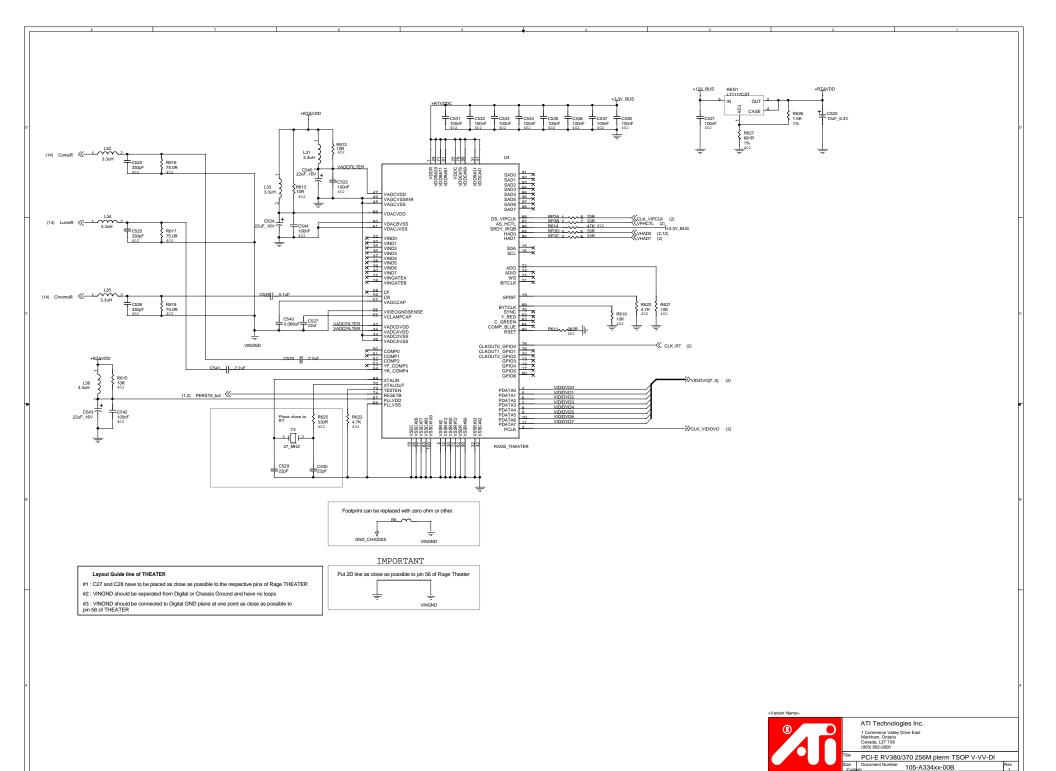
Document Number 105-A334xx-00B

PRIMARY DVI-I CONNECTOR





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TEMPERATURE SENSE AND SPEED CONTROLLED FAN MJU1 20 JUI1 -30 Header_1X3 (2) SDA SMBDAT +3.3<u>V_BUS</u> +12<u>V_BUS</u> R947 10K 402 R937 10K 402 DNI ATI Technologies Inc. 1 Commerce Valley Drive East Markham, Ontario Canada, L3T 7X6 (905) 882-2600

