



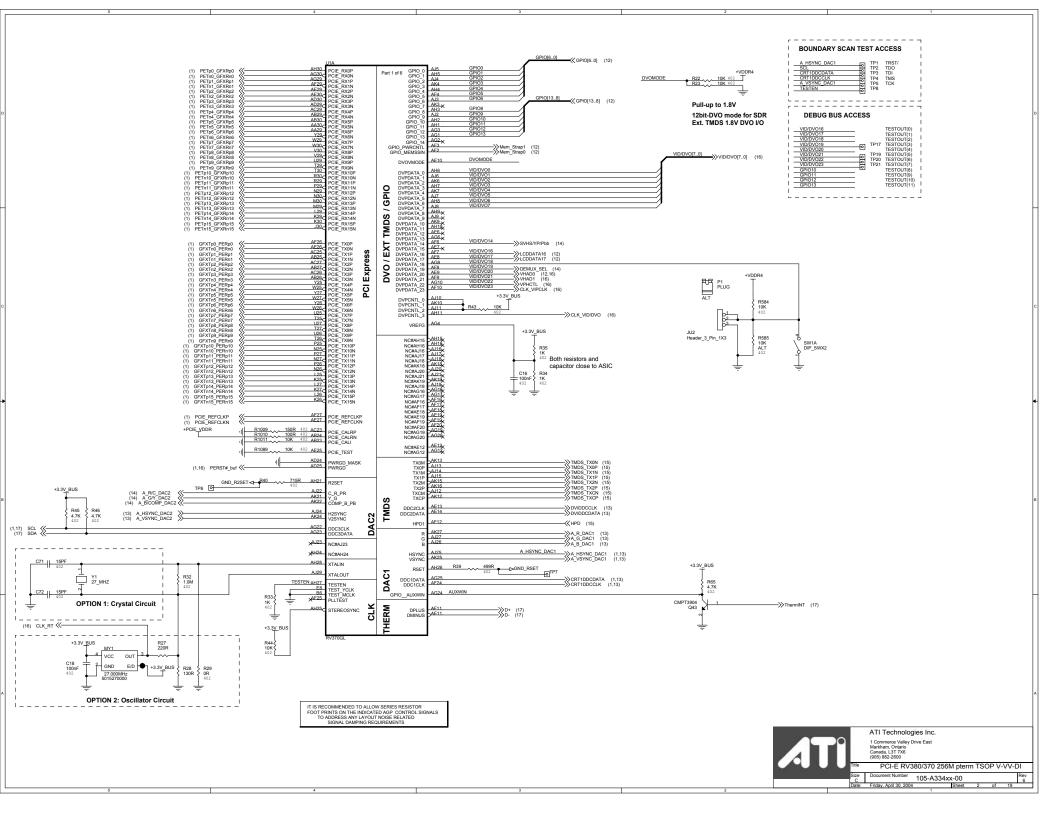


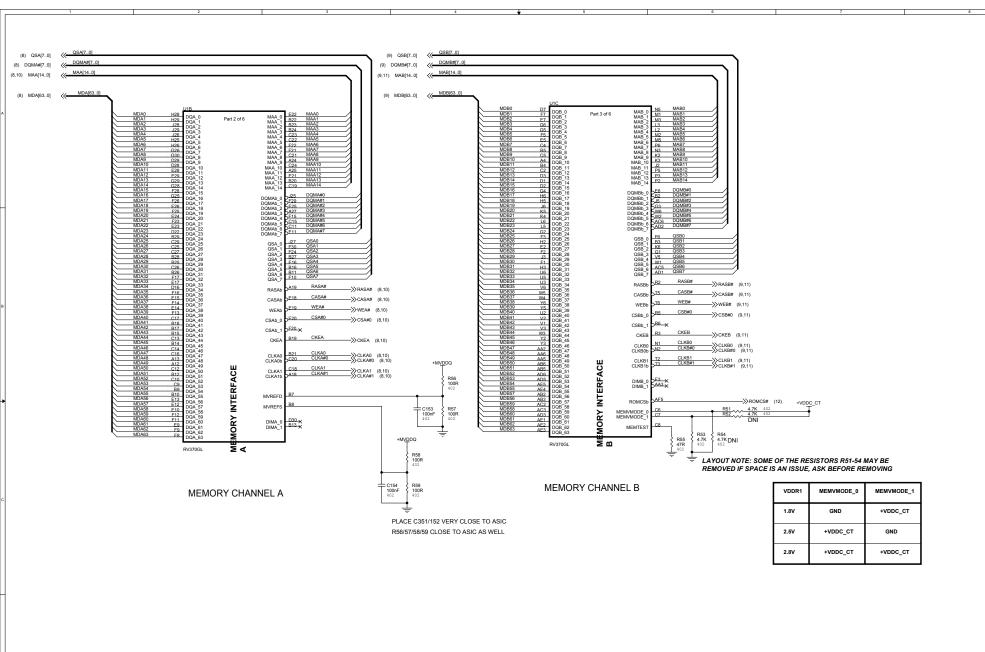
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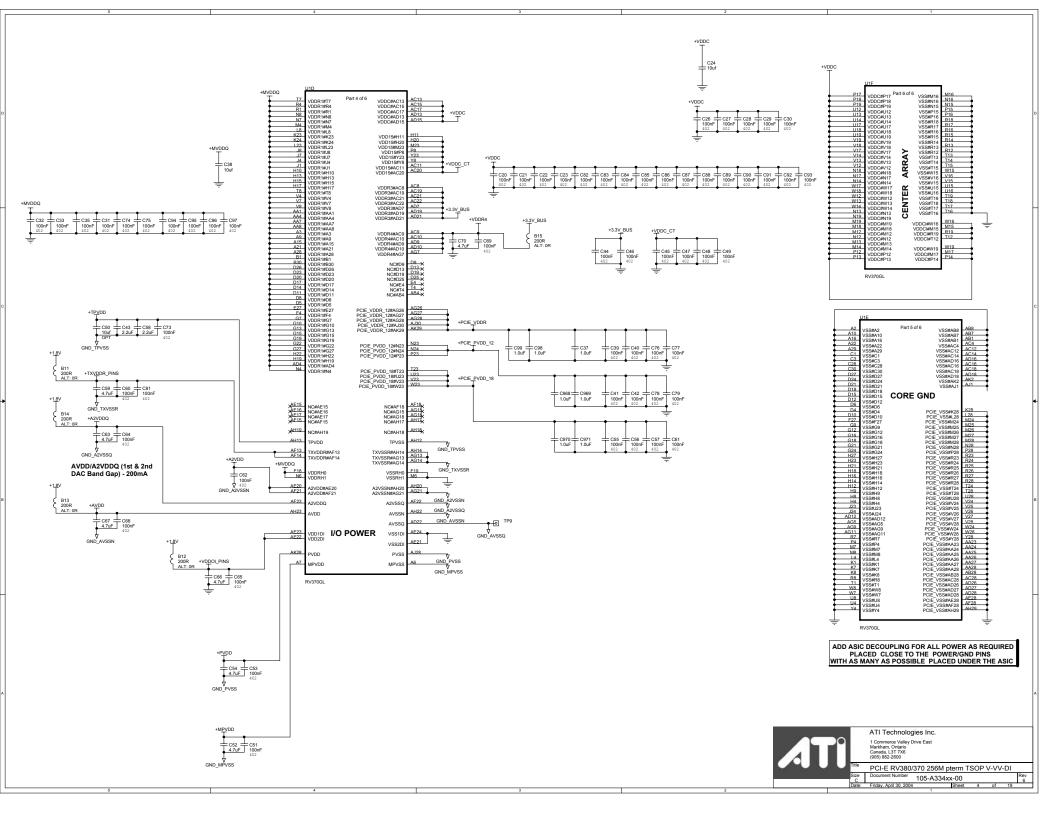
PCI-E RV380/370 256M nterm TSOP V-VV-DI

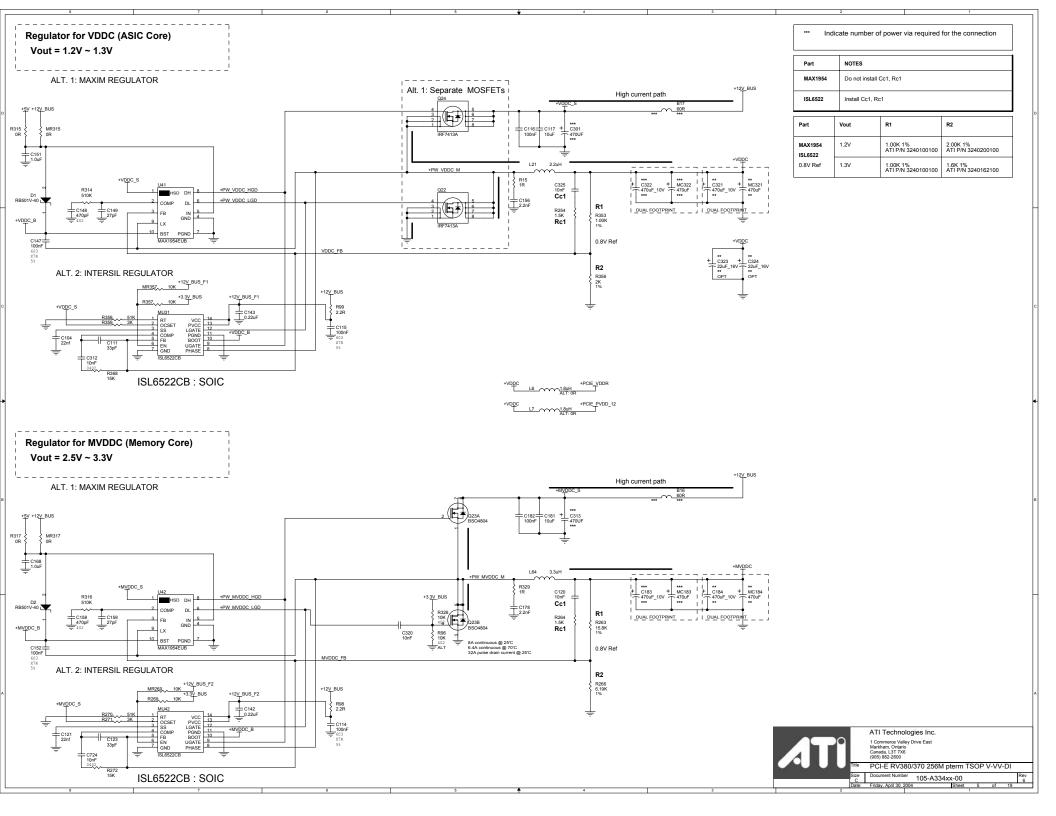
105-A334xx-00 Size Document Number C Date: Friday, April 30, 2004

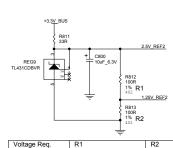






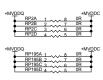






Voltage Req.	R1	R2		
0.8V	150R	71.5R		
	P/N 3160150000 402	P/N 324075R500		
1.25V	100R	100R		
	P/N 3160100000 402	P/N 3160100000 402		
1.5V	100R	150R		
	P/N 3160100000 402	P/N 3160150000 402		
1.8V	54.9R	140R		
	P/N 3240054900	P/N 3240140000		
1.84V	49.9R	140R		
	P/N 3240049900	P/N 3240140000		
Voltage Reg.	Rx1 for 1.25V Ref	Rx2 for 1.25V Ref		
1.5	432R	2.15K		
	P/N 3240432000	P/N 3240215100		
1.55	475R (402, 1%)	2K (402, 1%)		
	P/N 3160475000	P/N 3160200100		
1.6V	432R	1.5K		
	P/N 3240432000	P/N 3240150100		

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
2.61V	221R (402, 1%)	4.99K (402, 1%)
	P/N 3160221000	P/N 3160499100
2.5V	OR P/N 3230000000 603 P/N 3150000000 402	DNI



Alt. regulator for +PVDD

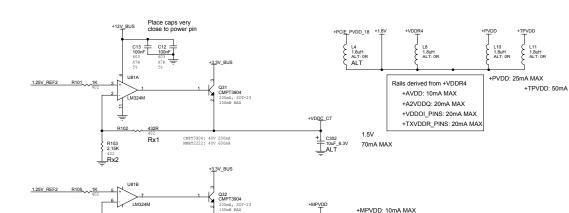
Vout = 1.8V

lout = 30mA MAX

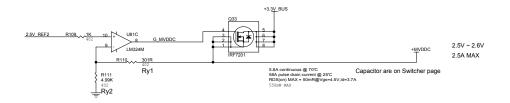
432R

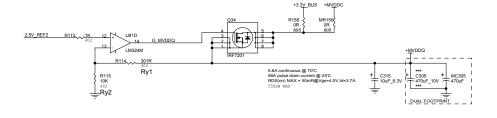
P/N 3240432000

1.7V



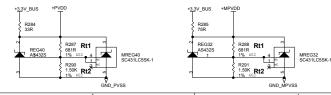
+___C303 10uF_6.3V





	Rt1	Rt2
1.52V	432R 3240432000	2.15K
	3160432000	3160215100
1.61V	432R 3240432000	1.5K 3230015200
		1.5K 3160150100
1.69V	432R 3240432000	1.21K 3240121100
1.718V	562R 3240562000	1.5K 3230015200 1.5K 3160150100
1.75V	604R 3160604000	1.5K 3230015200
	_	1.5K 3160150100
1.8V	604R 3160604000	1.37K 3160137100

Alt regulator for +MPVDD Vout = 1.8V lout = 10mA MAX

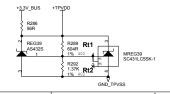


P/N 3240121100

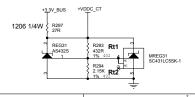
Alt. regulator for +TPVDD Vout = 1.65V ~ 1.85V lout = 20mA MAX

Rx1

R107 1.50K $\frac{1}{2}$ Rx2

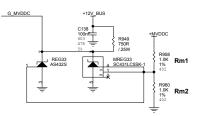


Alt regulator for +VDDC CT Vout = 1.5V lout = 70mA MAX



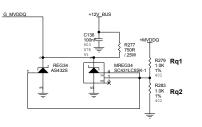
Alt. regulator for +MVDDC Vout = 2.5V ~ 2.6V lout = 500mA MAX

	Voltage Req.	Rm1		Rm2	
	3.34V	4.32K	(2.55	K
	[-0.04V/+0.04V]				
M	AX8.45V	4.32k	(2.43	K
	[-0.04V/+0.04V]				
	2.5V	1K	3240100100	1K	3240100100
	[-0.03V/+0.03V]				



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

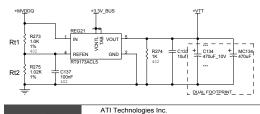


Regulator for +VTT (Termination) Vout = 1.25V ~ 1.3V with +2.5V +MVDDQ lout = 1000mA MAX

2.5V ~ 2.6V

1A MAX

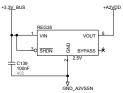
+MVDDQ = +2.5V	Rt1		Rt2	
1.25V	1K	3240100100	1K	3240100100
1.3V	1.0K	3240100100 603	1.02K	3240102100
		3160100100 402		





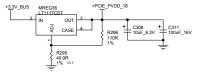


Alt. regulator for +A2VDD Vout = 2.5V lout = 120mA MAX



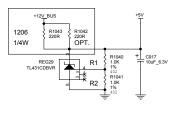
+A2VDD and GND_A2VSSN routed with at least 15 mil trace and not longer than 1.5 inch.

Alt. regulator for PCIE_PVDD_18 Vout = 1.85V lout = 500mA MAX

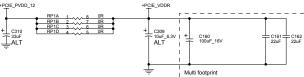


Need at least a 10uF Tant. output cap for stability Min. Load Current: 10mA

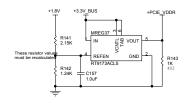
Regulator for +5V Vout = 5V lout = 20mA MAX

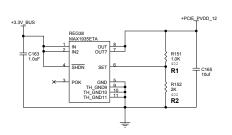


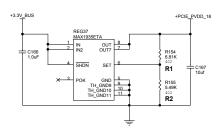
+PCIE_PVDD_12: 1.2V 250mA MAX



+PCIE_VDDR: 1.2V 1300mA MAX





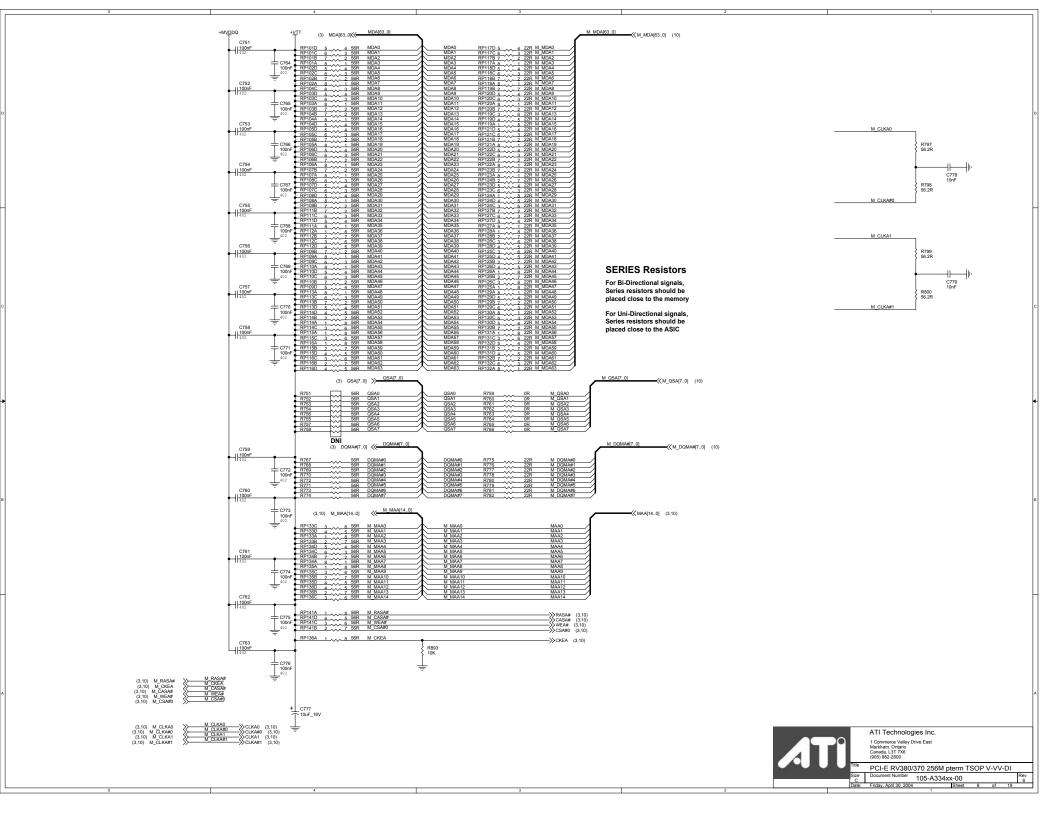


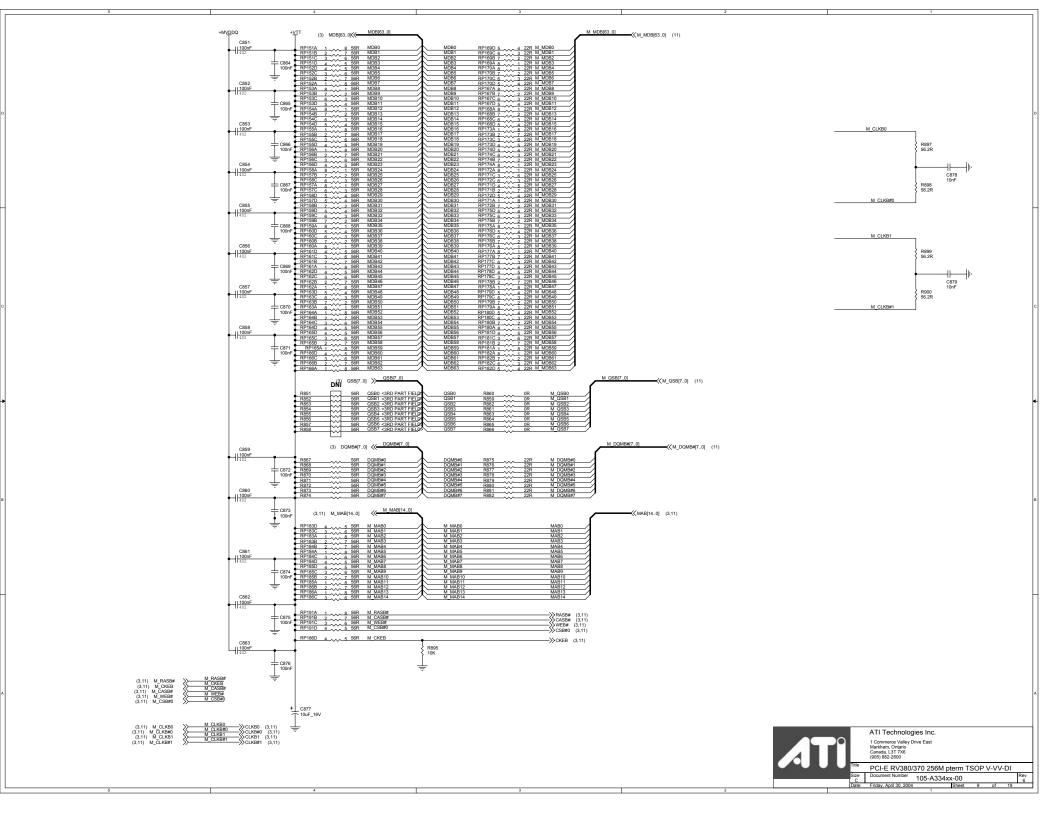
Part	Vout	R1	R2
MAX1935 0.8V Ref	1.2V	1.00K 1% ⁴⁰² ATI P/N 3160100100	2.00K 1% ⁴⁰² ATI P/N 3160200100
	1.79V	6.81K 1% ATI P/N 3160681100	5.49K 1% ⁴⁰² ATI P/N 3160549100

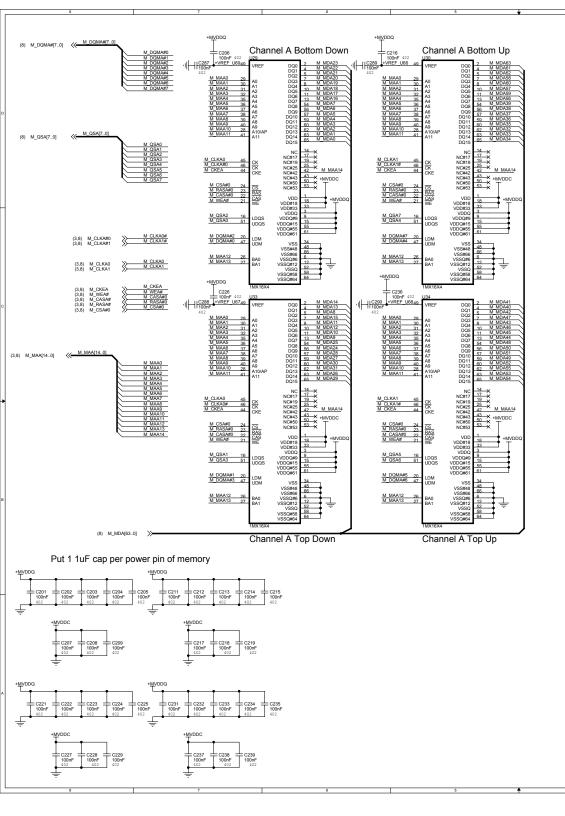


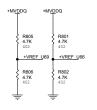
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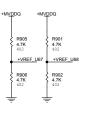
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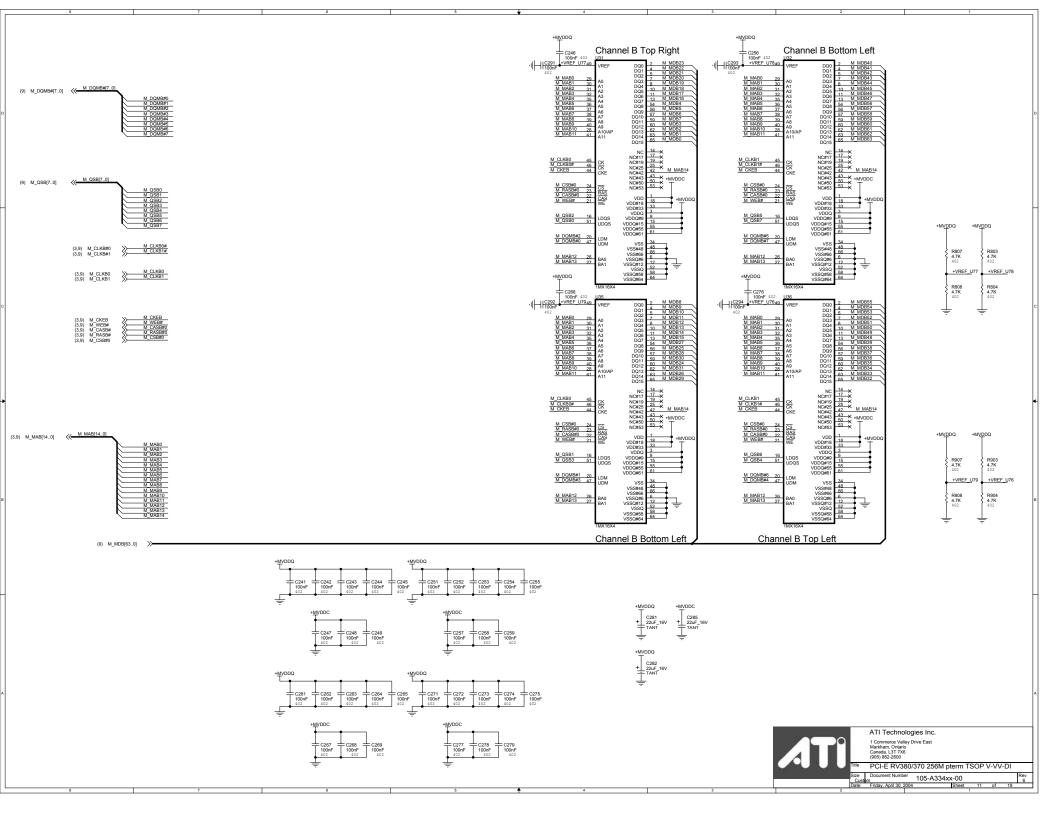


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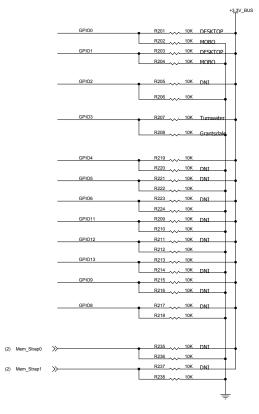
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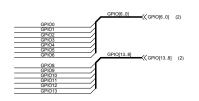
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OPTION STRAPS



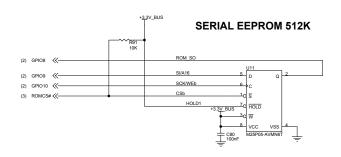
		+VDDR
(2) LCDDATA16	»———	R227 10KDNI
(2) LCDDATA1:		R229 10K DNI R230 10K
SW1B (2,16) VHADO	»	R231 10K DNI
DIP_SWAZ		R232 10K



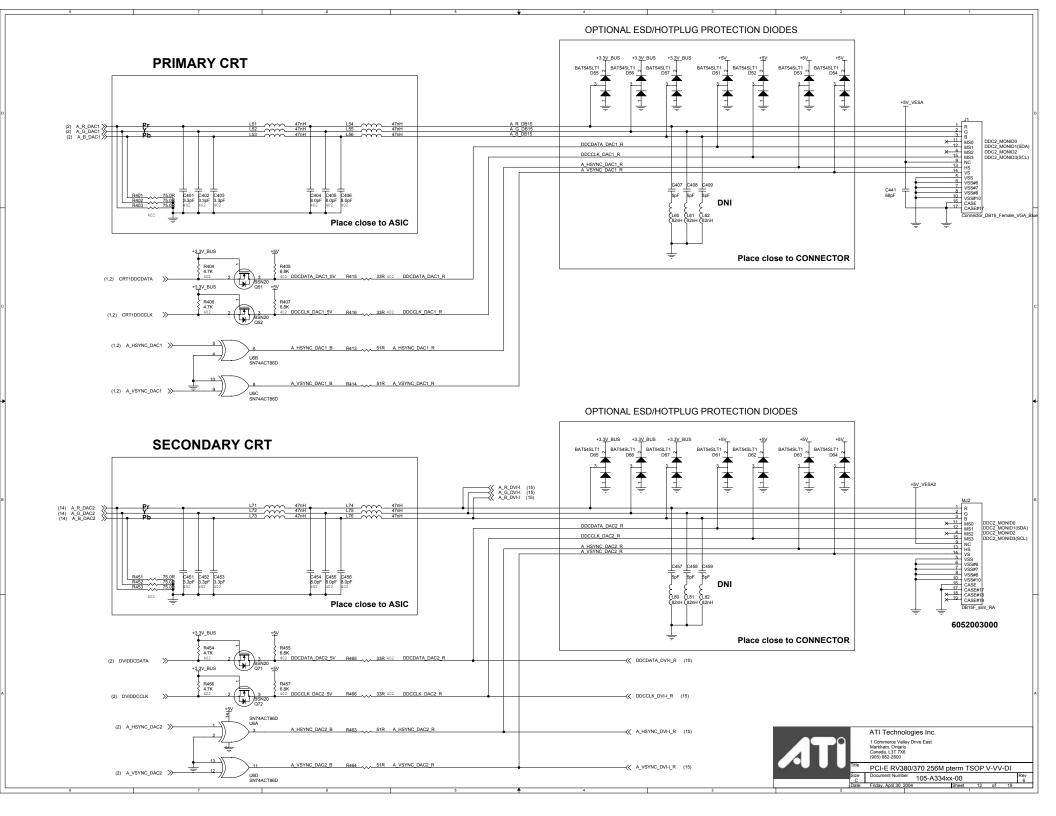
STRAPS PIN		DESCRIPTION	ASIC DEFAULT
STRAP_B_PTX_PWRS_ENB	GPI00	Tansmitter Power Savings Enable 0: 50% Tx output swing for mobile mode 1: full Tx output swing	0
STRAP_B_PTX_DEEMPH_EN	GPIO1	Transmitter De-emphasis Enable 0: Tx de-emphasis disabled for mobile mode 1: Tx de-emphasis enabled	0
PCIE_MODE(1:0)	GPIO(3:2)	00: PCI Express 1.0A mode (Grantsdale) 01: Kyrene-competitive mode 10: PCI Express 1 mode (Turnseater) 10: PCI Express 1 mode (Turnseater) 11: Chargers 1 mode (Turnseater) 12: Chargers 1 mode (Turnseater) 13: Chargers 1 mode (Turnseater) 14: Chargers 1 mode (Turnseater) 15: Chargers 1 mode (Turnseater) 16: Chargers 1 mode (Turns	00
STRAP_B_PTX_IEXT	GPIO4	Transmitter Extra Current 0: normal mode 1: extra current in Tx output stage - potential power savings for mobile mode	0
STRAP_FORCE_COMPLIANCE	GPIO5	Force chip to go to Compliance state quickly for Tester purposes 0: normal operational mode 1: compliance mode	0
STRAP_B_PPLL_BW	GPIO6	PLL Bandwidth 0: full PLL Bandwidth 1: reduced PLL bandwidth	0
STRAP_DEBUG_ACCESS	GPIO8	Strap to set the debug muxes to bring out DEBUG signals even if registers are inaccessible.	0
ROMIDCFG(3:0)	GPIO(9,13:11)	If no ROM attached, controls chip IDIs. If rom attached identifies ROM type 0,000 - No ROM, CHS_ID=0 0,000 - No ROM, CHS_ID=0 0,000 - ROM_IDIS_IDIS_IDIS_IDIS_IDIS_IDIS_IDIS_IDI	
VIP_DEVICE	DVPDATA_20 (VHAD0 net)	Indicates if any slave VIP host devices drove this in low during reset. 0 - Slave VIP host port devices present 1 - No slave VIP host port devices reporting presence during reset	

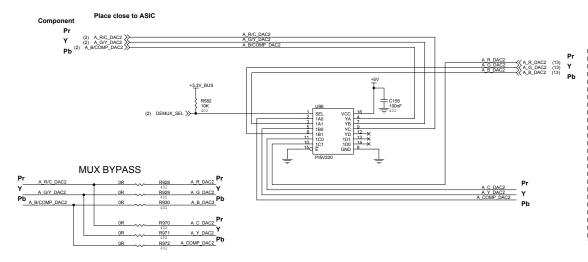
STRAPP	INTERRUPT
LOW	ENABLED (DEFAULT)
HIGH	DISABLED

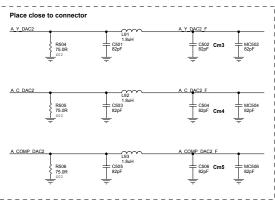
MEM	ORY TYPE STRA	APS
	Mem_Strap0	Mem_Strap1
SAM	0	0
INF	1	0
HYN	0	1
ELPIDA	1	1

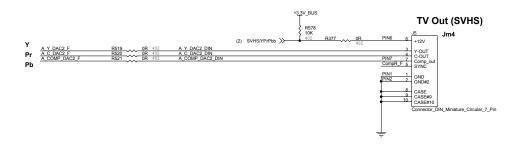




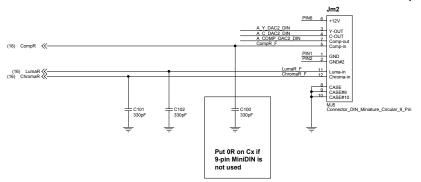








VIVO MiniDIN 9-pin



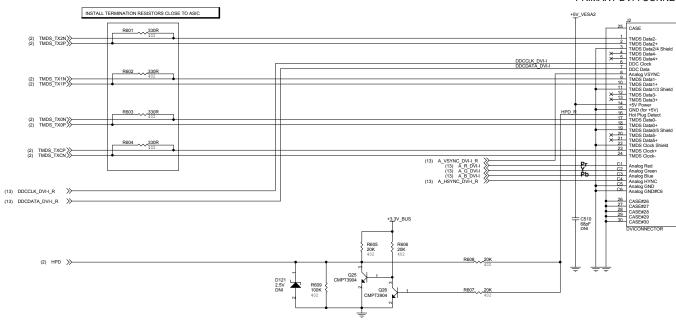


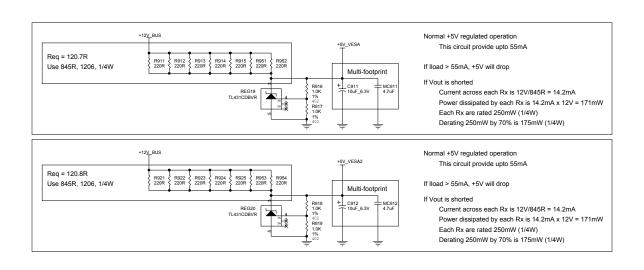
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PRIMARY DVI-I CONNECTOR

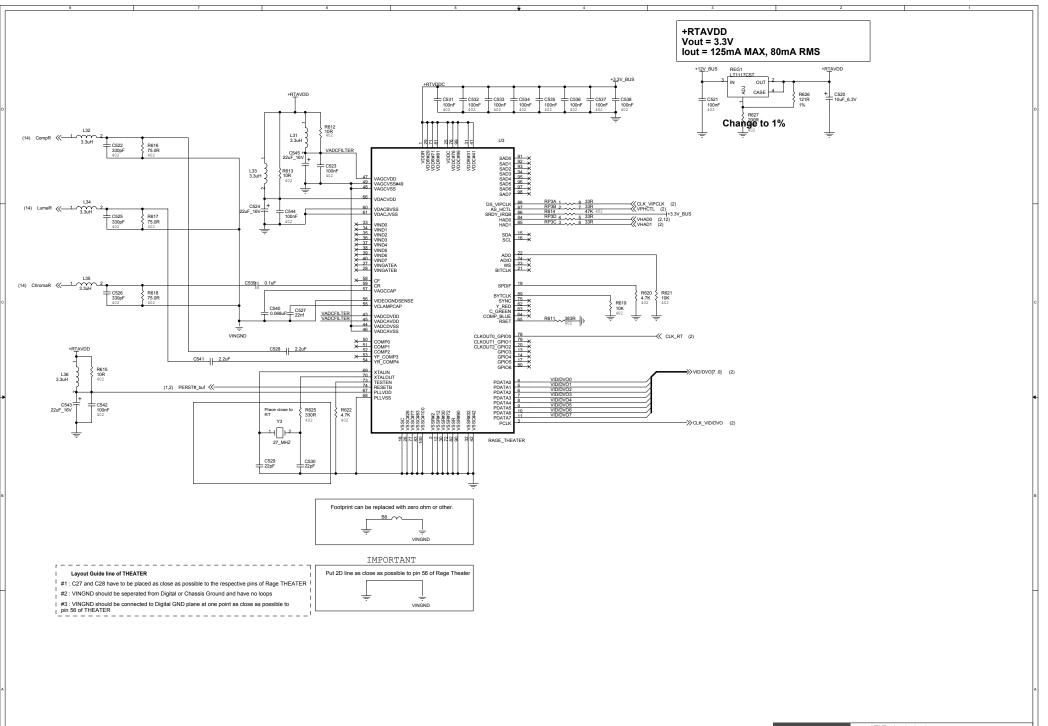






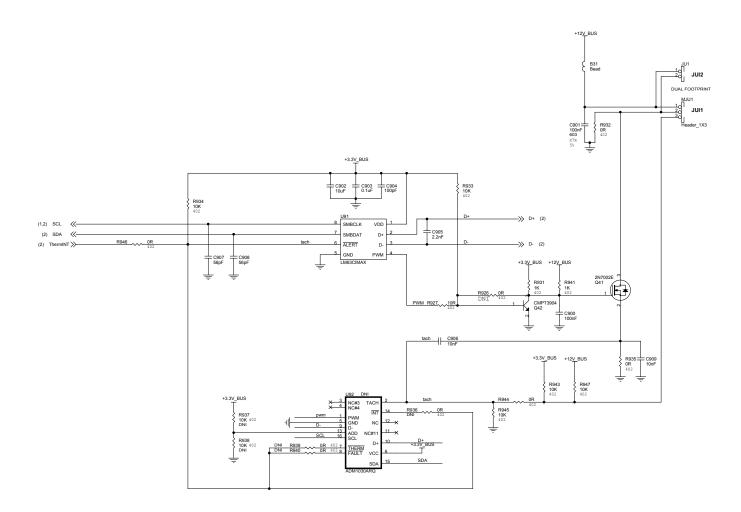
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TEMPERATURE SENSE AND SPEED CONTROLLED FAN









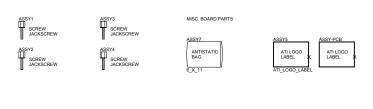
HEATSINK 7120005100 Spring push-pin



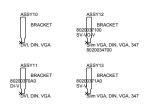
HEATSINK 7120008000 ITW push-pin



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BLANK LABEL



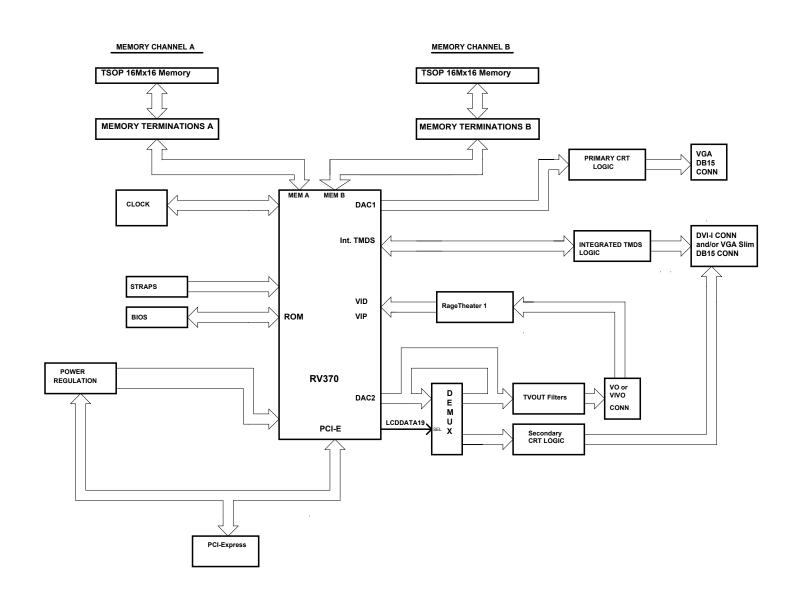




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