

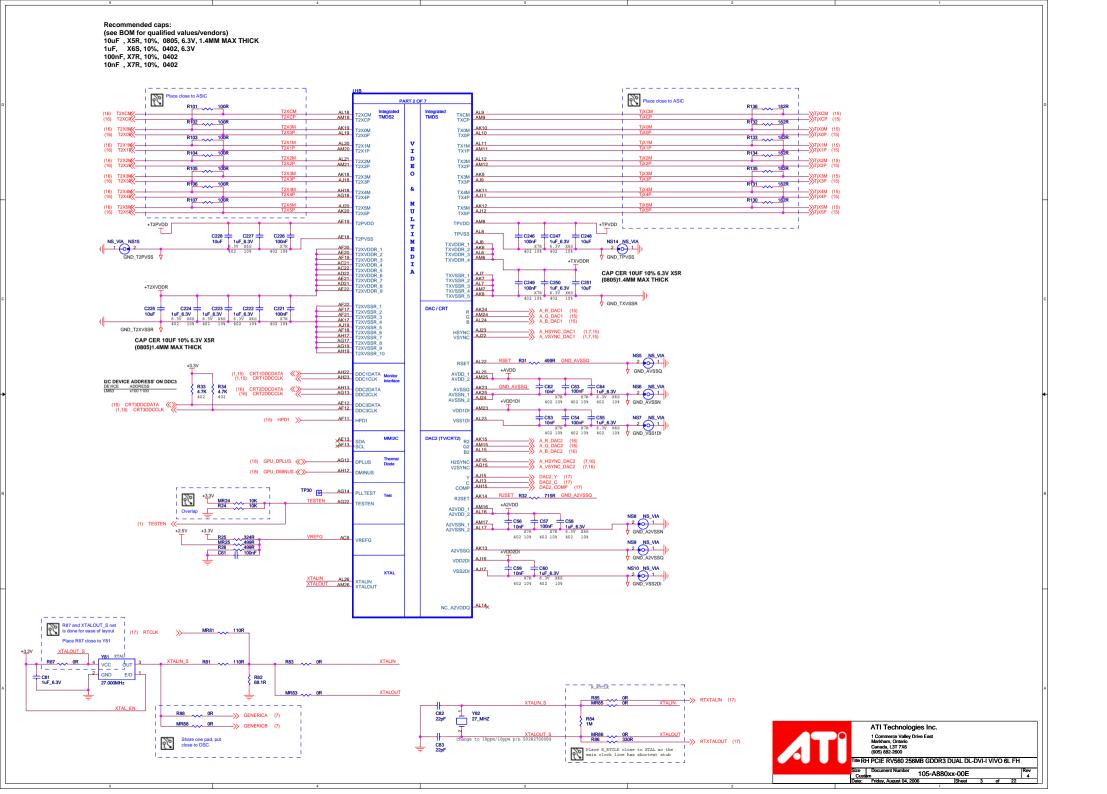
ATI Technologies Inc.

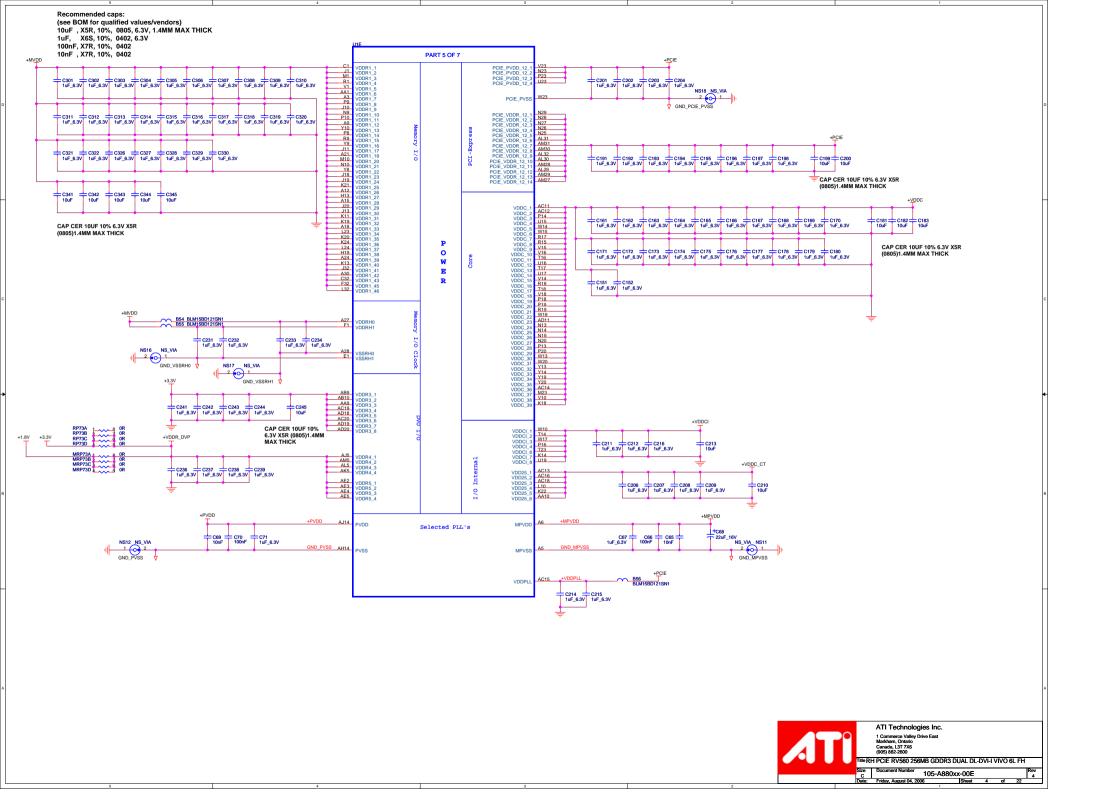
1 Commerce Valley Drive East
Mathram, Ortatio
GROS 842-2500

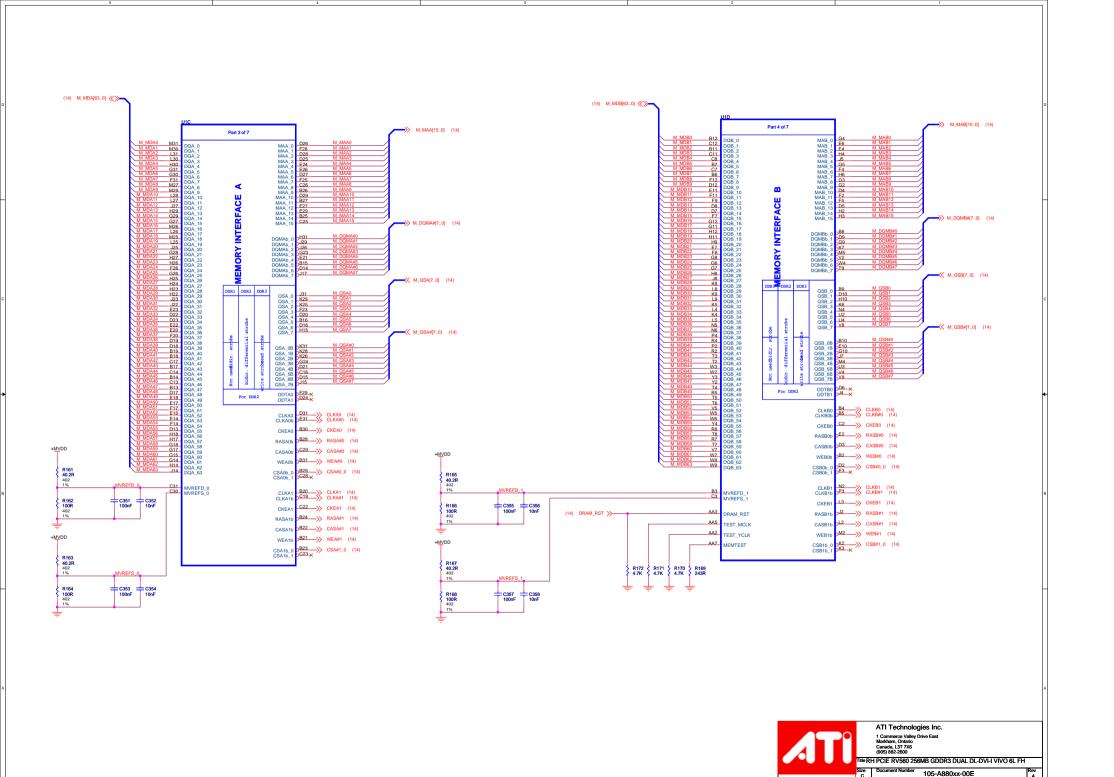
Talle RH PCIE RVSO SGMB GDDR3 DUAL DL-DVH VIVO 6L FH

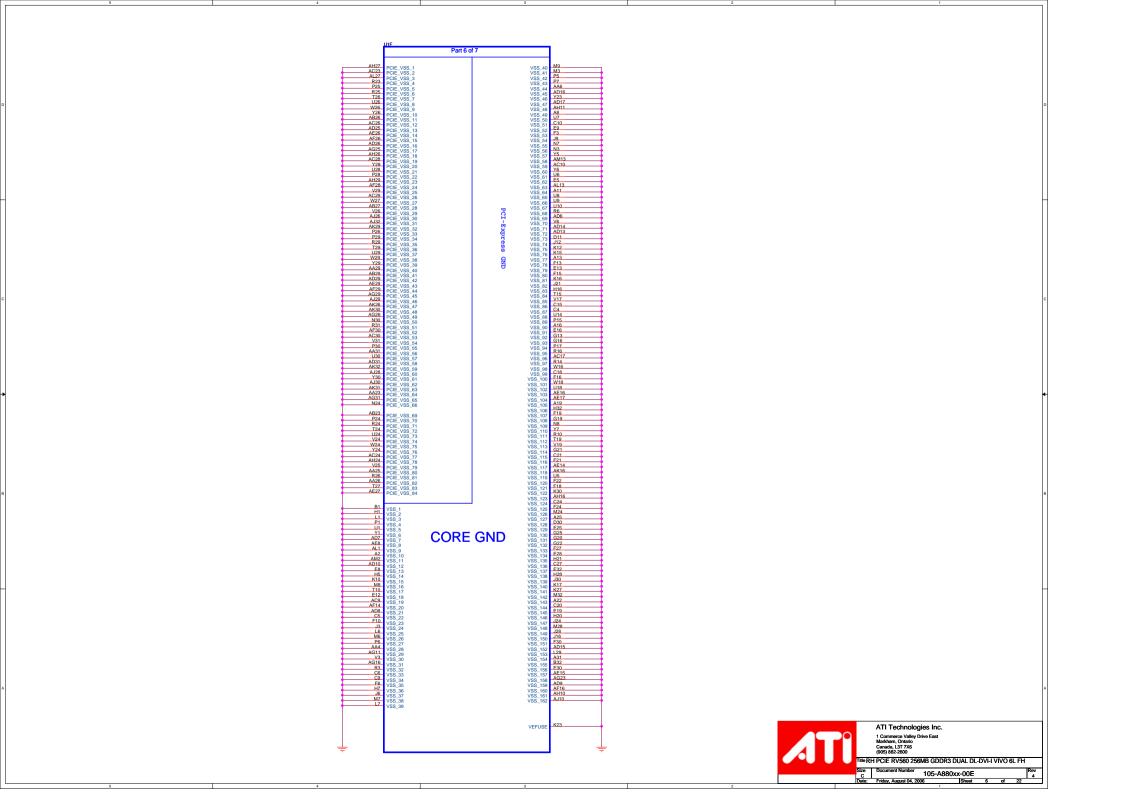
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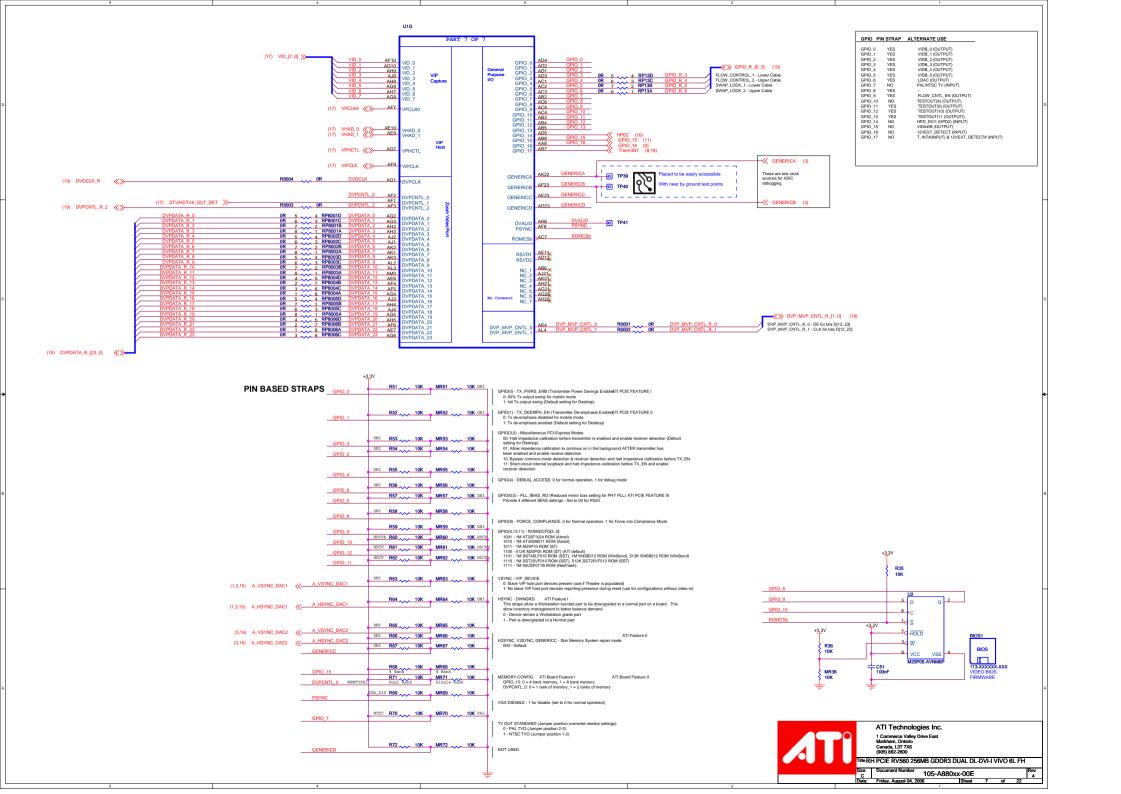
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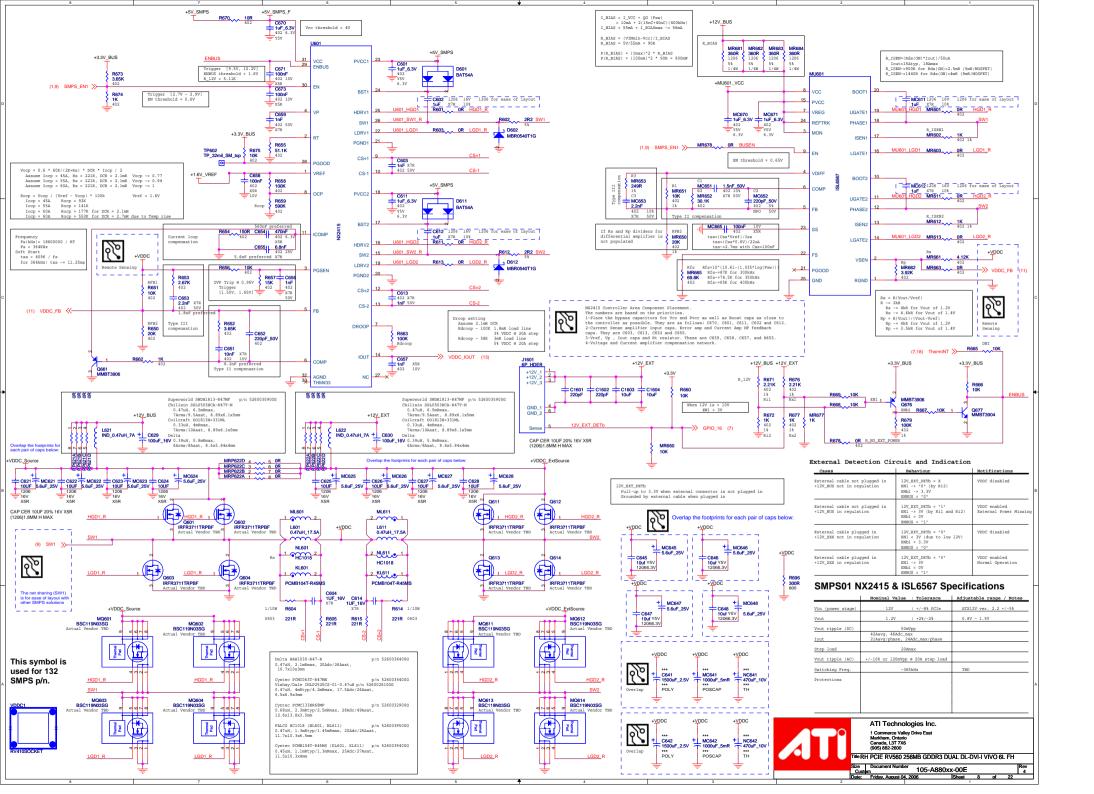


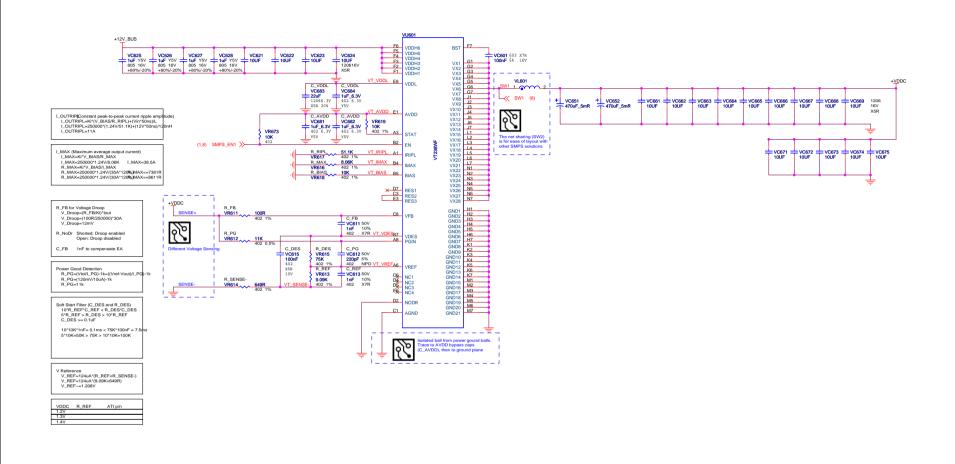












SMPS01 Volterra Specifications

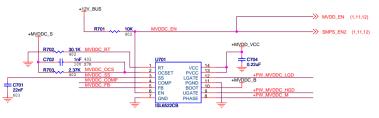
	Nominal Value : Tolerance	Adjustable range / Notes
Vin (power stage)	12V ; +/-8% PCIe	ATX12V ver. 2.2 +/-5%
Vout	1.2V / +2%/-2%	0.8V - 1.5V
Vout ripple (DC)	50mVpp	
Iout	30Aavg, 35Adc_max	
Step load	20Amax	
Vout ripple (AC)	+/-10% or 120mVpp @ 20A step load	
Switching Freq.	1MHz	100ns on time minimum
Protections	UVLO [9.5V, 10.1V] OVLO [13.4V, 14.1V] OTP [120degCj 150degCj] OCP/SCP IMAX	



Title RH PCIE RV560 256MB GDDR3 DUAL DL-DVI-I VIVO 6L FH

Size Document Number 105-A880xx-00E

Date: Friday, August 04, 2006 | Sheet



List of supported foodprint

The following ICs are not necessarily evaluated by ATI, please refer to BOM for evaluation status

ANPEC APW7074 (12V) CAT CAT7522/CAT7523 INTERSIL ISL6522/ISL6535

RICHTEK RT9232/RT9232A/RT9232B



List of supported foodprint

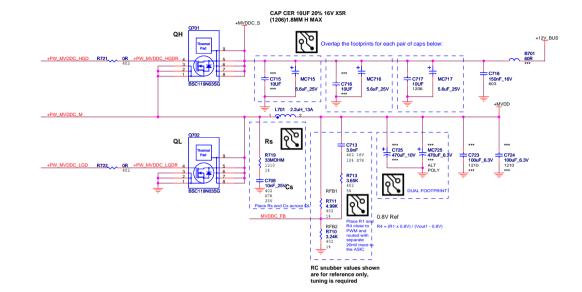
FILTERED SMPS VCC

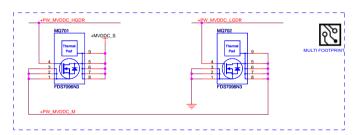
The following ICs are not necessarily evaluated by ATI, please refer to BOM for evaluation status

ANPEC APW7120/APW7065 (12V)
CAT CAT7583 (12V)
INTERSIL ISL6545
NEXSEM NX2114/2307
RICHTEK RT9214/RT8101
OnSemi ON1582



MVDDC_EN





SMPS02- Regulator for MVDD Vout = 1.8V ~ 2.85V

Part	Vout	RFB1	RFB2
0.8V Ref	2.03V (1.98V~2.08V)	4.99K p/n 3160499100G	3.24K p/n 3160324100G

SMPS02 Specifications

	Nominal Value : Tolerance	Adjustable range / Notes
Vin (power stage)	12V ; +/-8% PCIe	ATX12V ver. 2.2 +/-5%
Vout	2V ; +2%/-2%	1.8V - 2.85V
Vout ripple (DC)	50mVpp	
Iout	6Aavg, 8Adc_max	
Step load	3Amax	
Vout ripple (AC)	+/-10% or 200mVpp @ 3A step load	
Switching Freq.	-300kHz	TBD
Protections		



This symbol is used for 132 SMPS p/n.





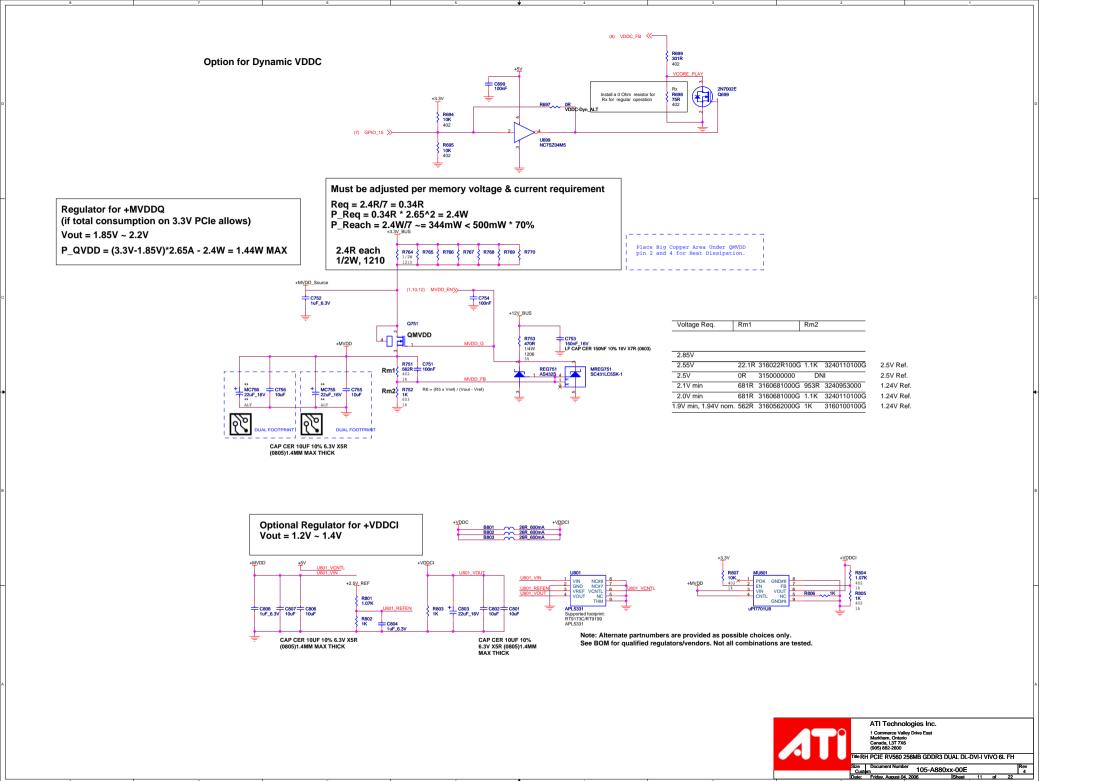
ATI Technologies Inc.
1 Commerce Valley Drive East

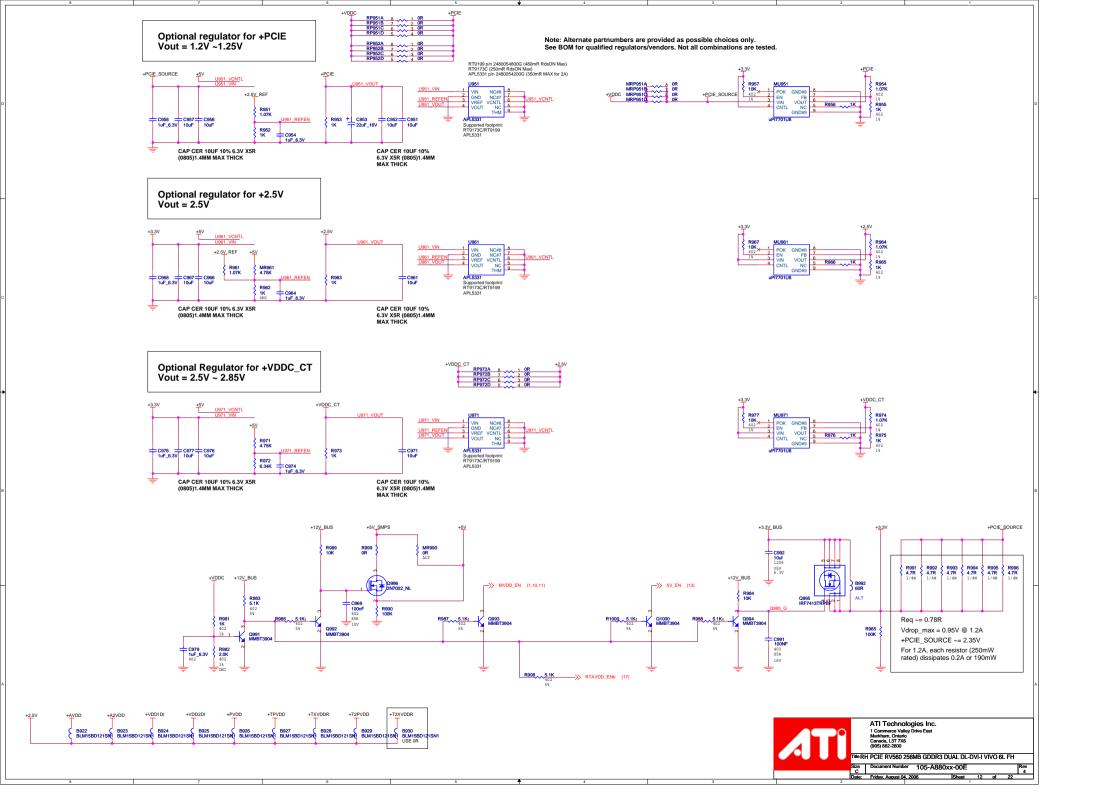
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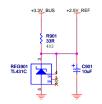


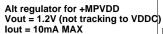
COMPENSATION CIRCUIT

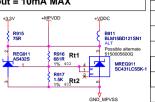
BOOT CIRCUIT



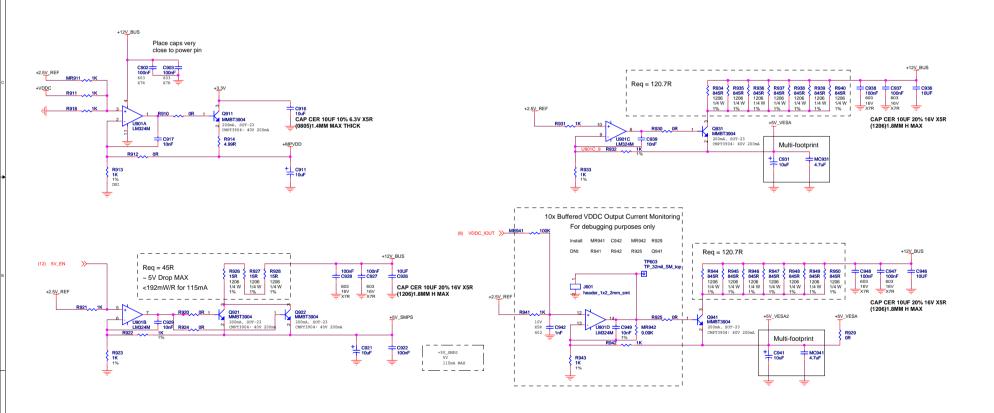




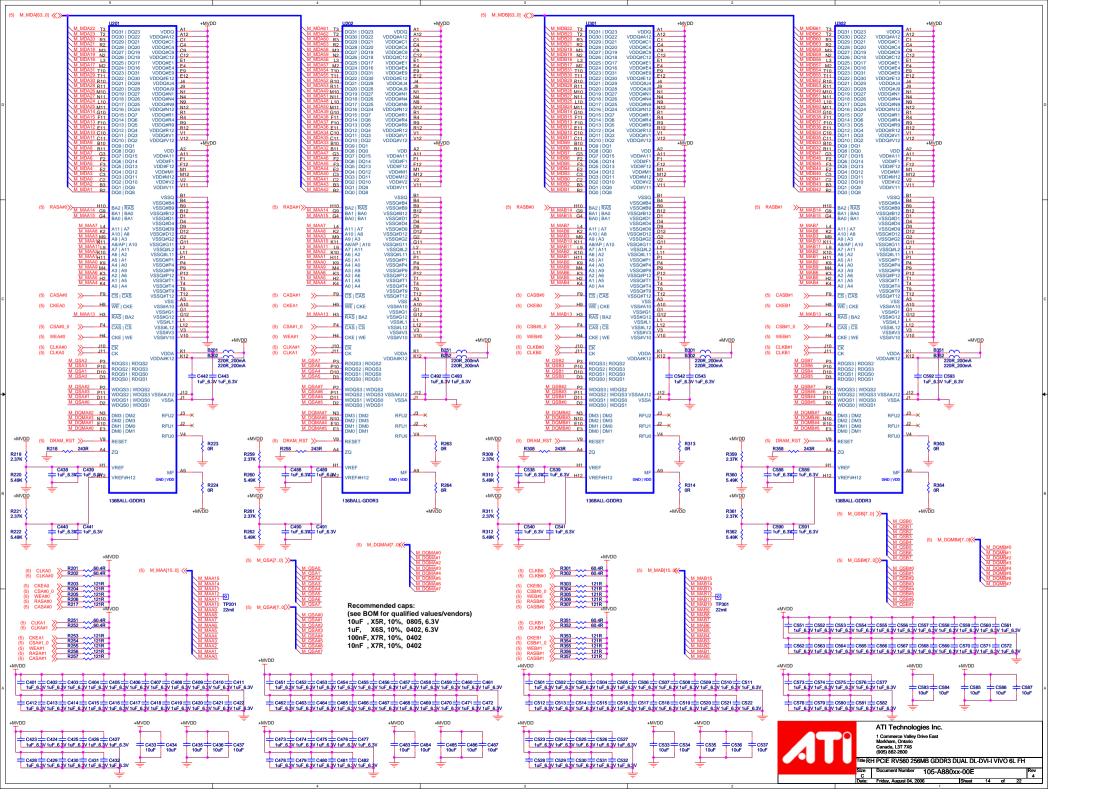


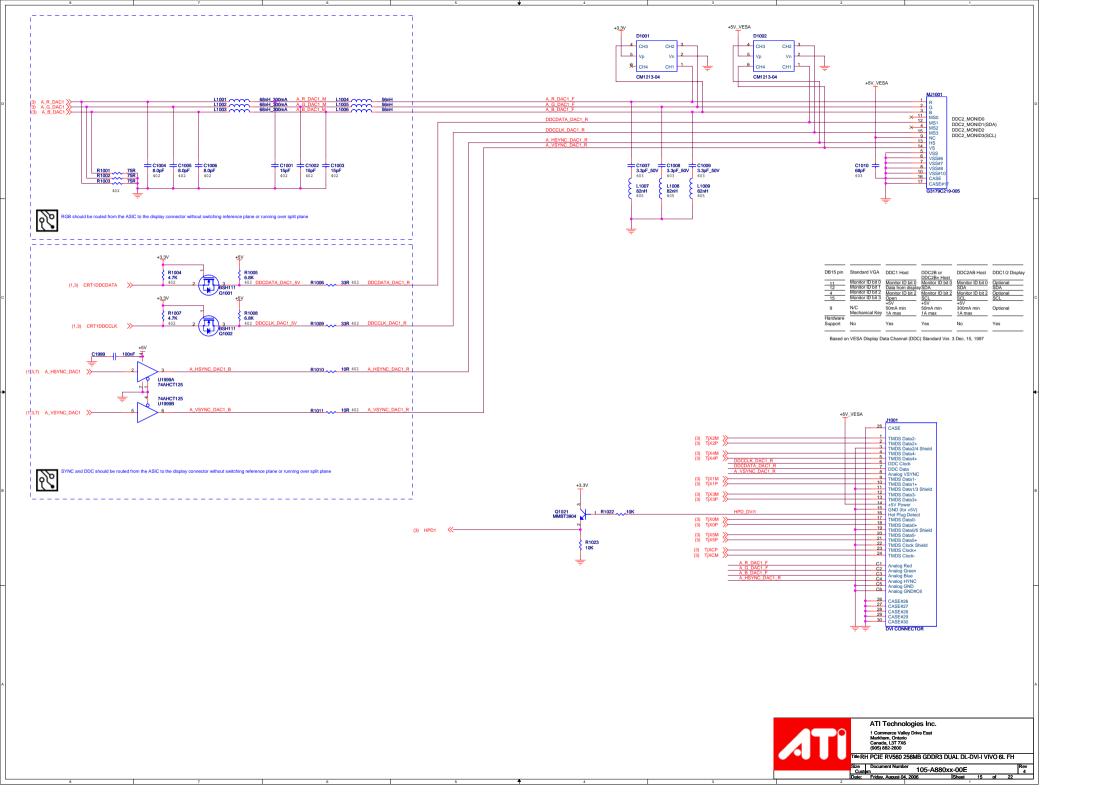


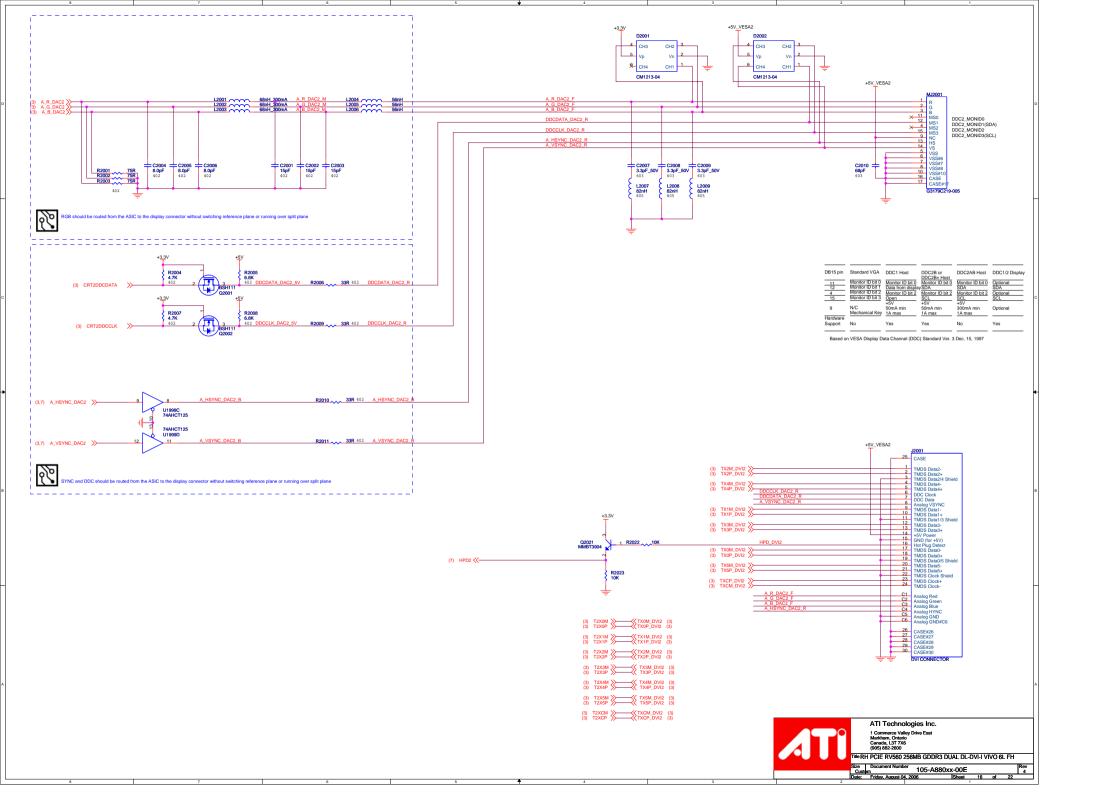
		Rt1	_	Rt2	
1.52V		432R	3240432000 3160432000	2.15K	3160215100
1.61V		432R	3240432000	1.5K 1.5K	3230015200 3160150100
1.69V		432R	3240432000	1.21K	3240121100
1.718	V	562R	3240562000	1.5K 1.5K	3230015200 3160150100
1.75V		604R	3160604000	1.5K 1.5K	3230015200 3160150100
1.8V		604R	3160604000	1.37K	3160137100

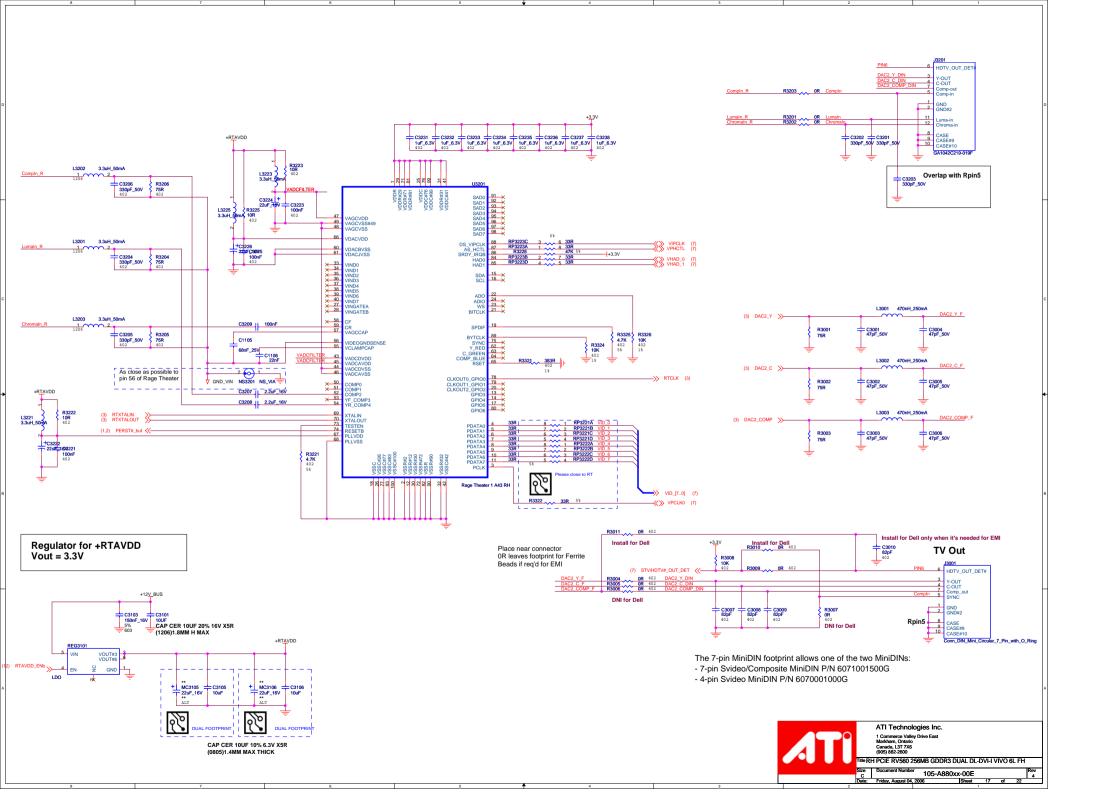


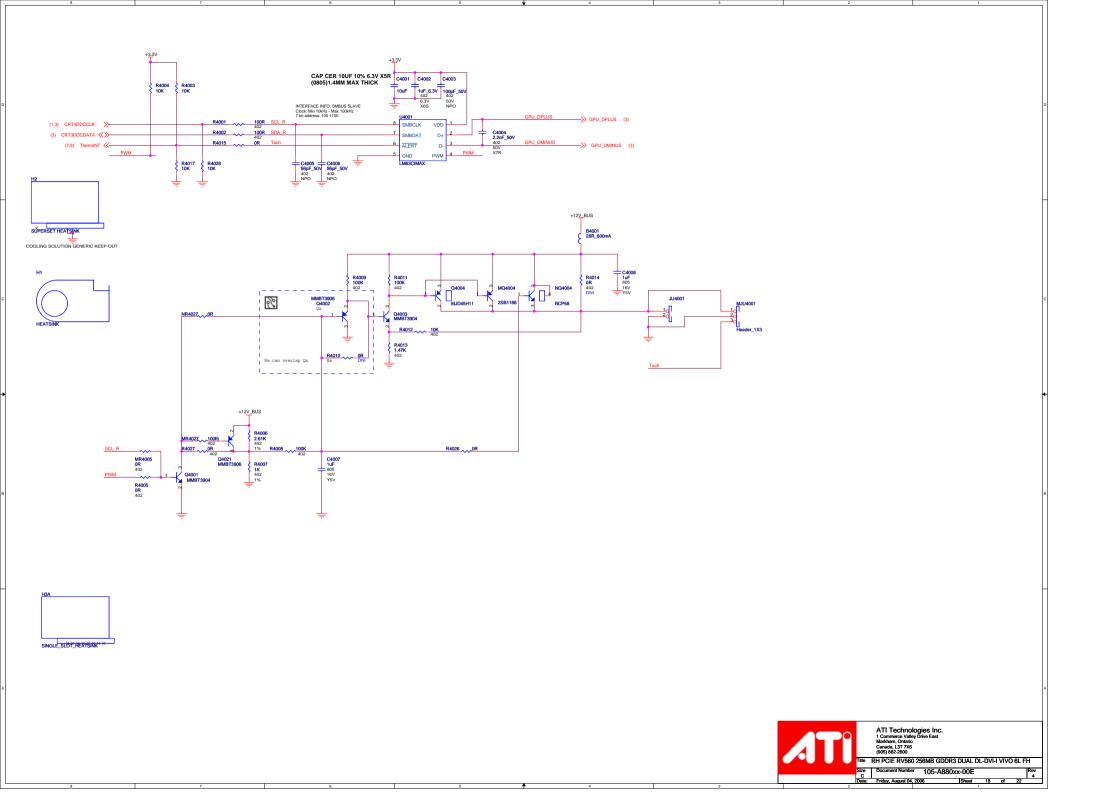












CrossFire Card-Edge

