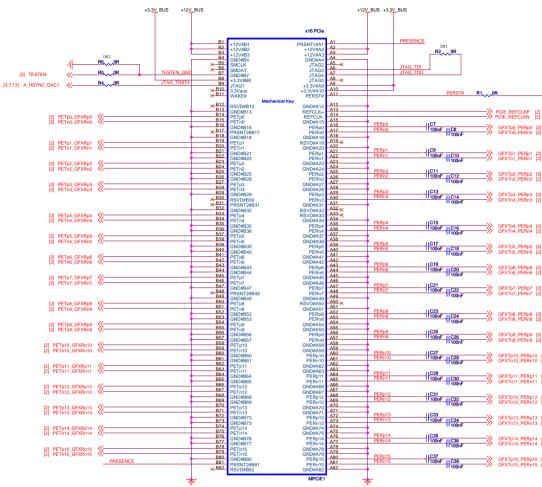


PCI-EXPRESS EDGE CONNECTOR



Power Sequence Circuit to ensure SMPS_EN is released after +12V_BUS and +3.3V_BUS are both in regulation.
Pull-up may or may not be required on SMPS_EN signal depending on SMPS design.

Node 1 When +12V ramps above min Vbe, SMPS_EN will be helt low

Node 2 When +3.3V gets close to regulation, one of the two conditions of releasing SMPS_EN is active

Target ~ 900mV when +3.3 at min regulation (worse case)
Typical trigger when +3.3V ramps above 2.2V (650mV)

Node 3 When +12V gets close to regulation, one of the two conditions of releasing SMPS_EN is active

Target ~ 1.25V when +12 at min regulation (worse case)
Typical trigger when +12V ramps above 10V (1.1V)



CAP, CERAMIC 100NF 10% 10V X5R EIA(0402)

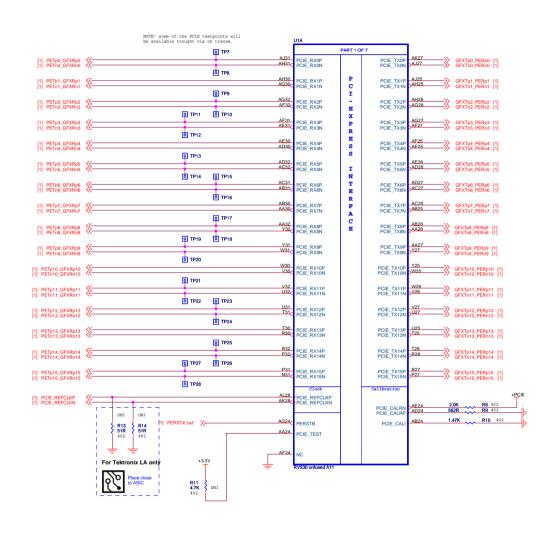
>>> PERST#_buf [2]

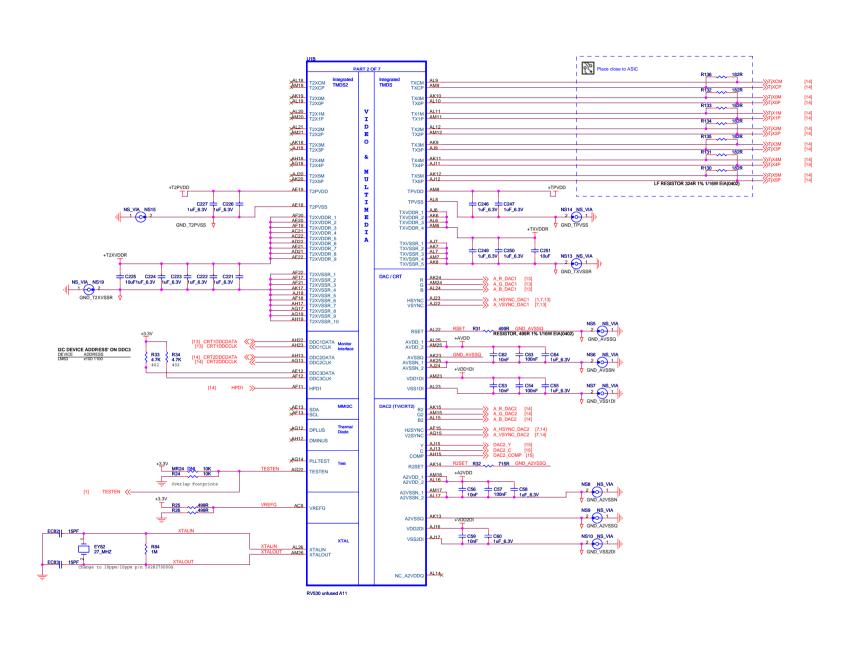
C39 100nF

U5 NC7SZ08P5X_NL

R RST







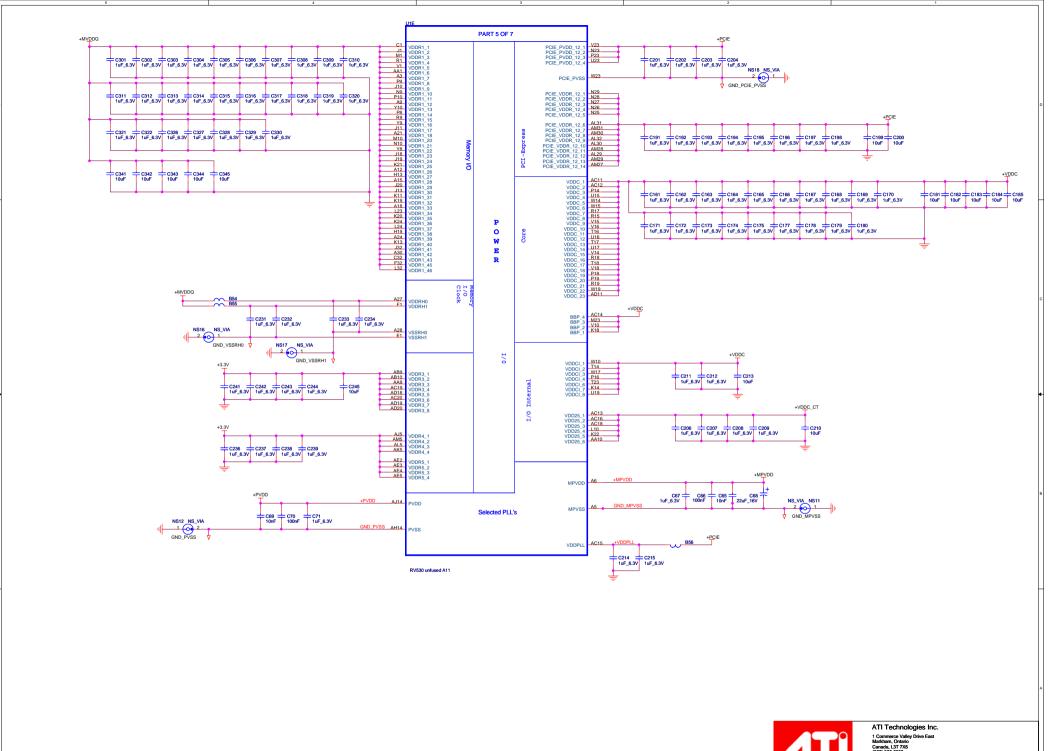
ATI Technologies Inc.

1 Commerce Velley Dive East
Markham, Ontario
Canada, LST 716
(605 882-2600

Title MS-V050 RV515 TSOP

Size | Document Number | 105-A67700-00A

Place R_RTCLK close to XTAL so the main clock line has shortest stub



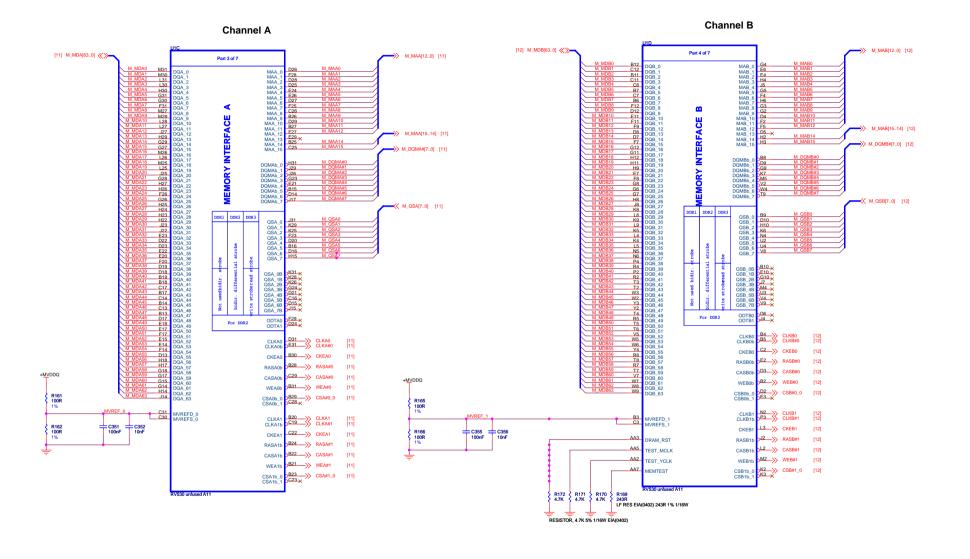
ATI Technologies Inc.

1 Commerce Valley Drive East
Martham, Ortania
Canada, L37 7X6
(905) 882-2600

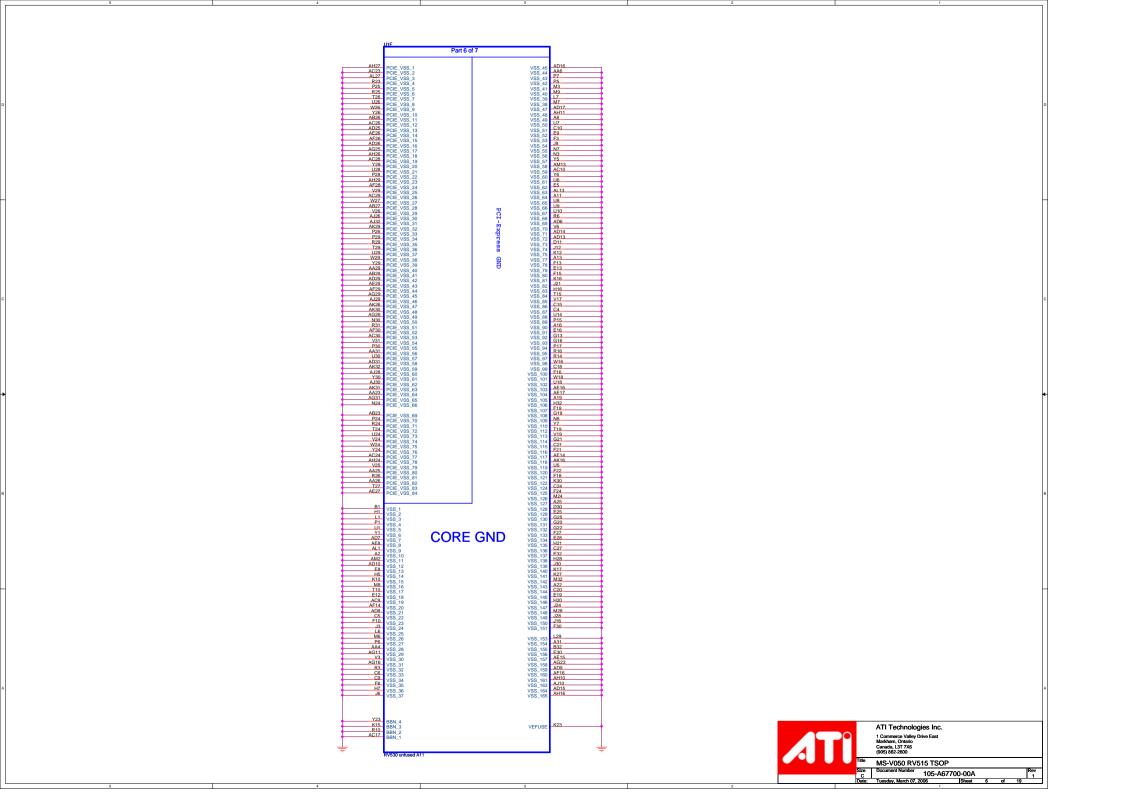
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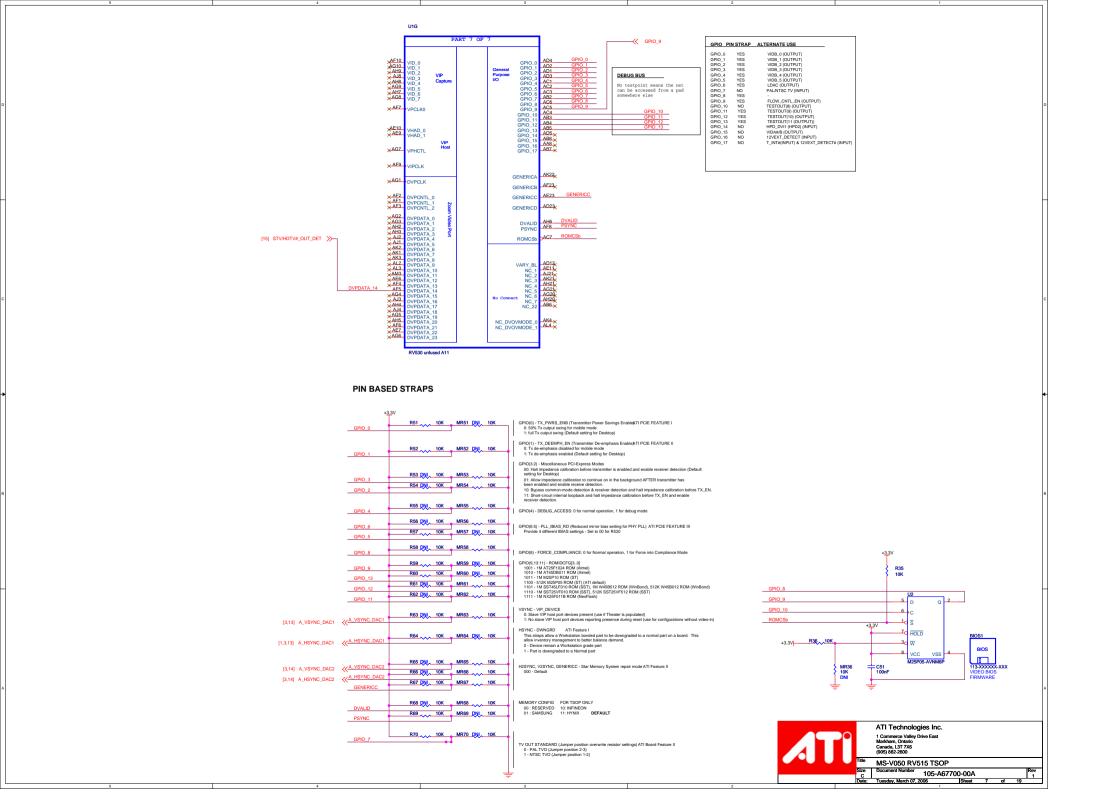
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RV530 MEMORY CHANNELS A and B

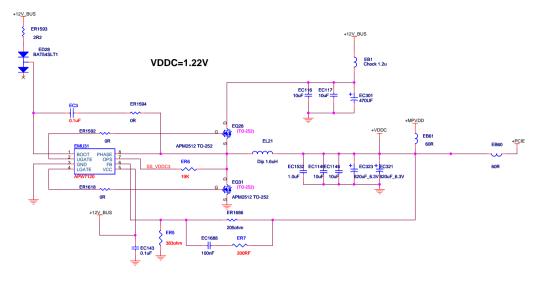




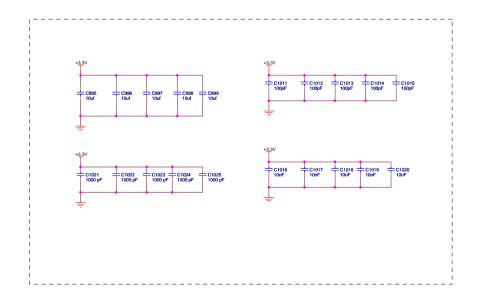




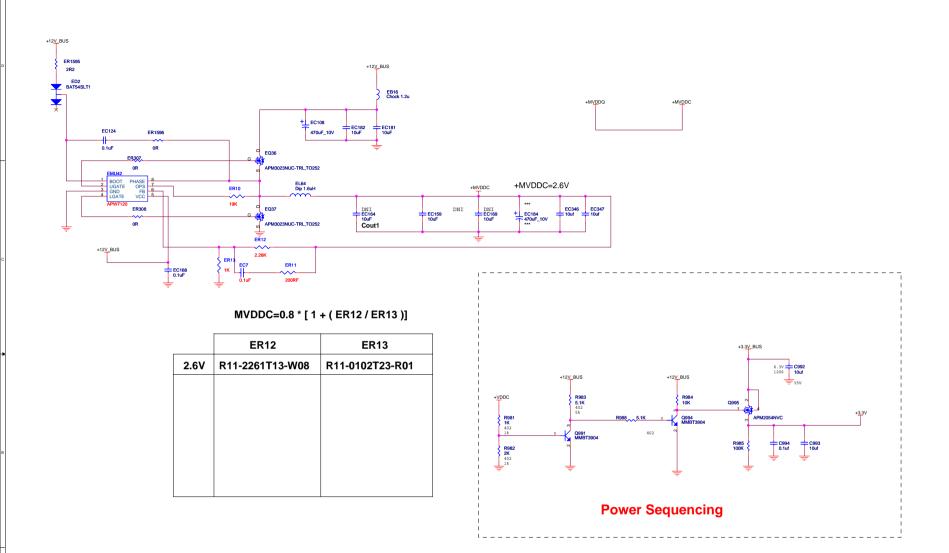
CORE REGULATOR +VDDC



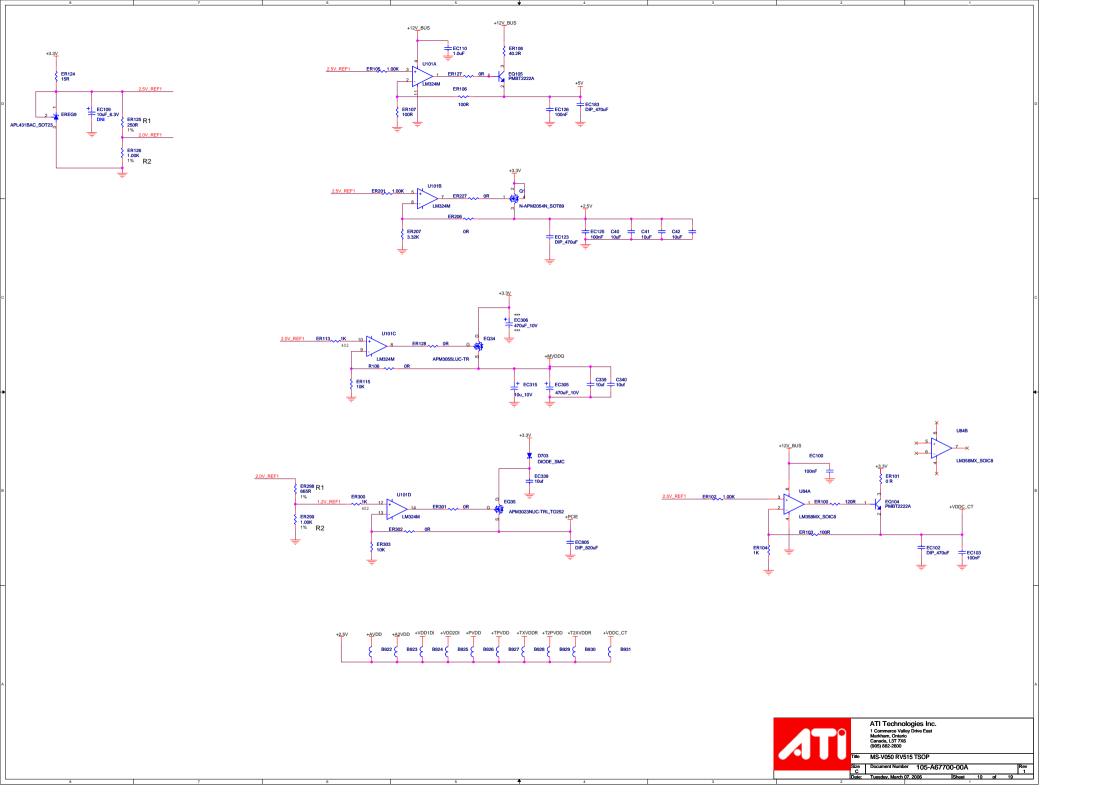
VDDC=0.8 * [1 + (ER1686 / ER5)]



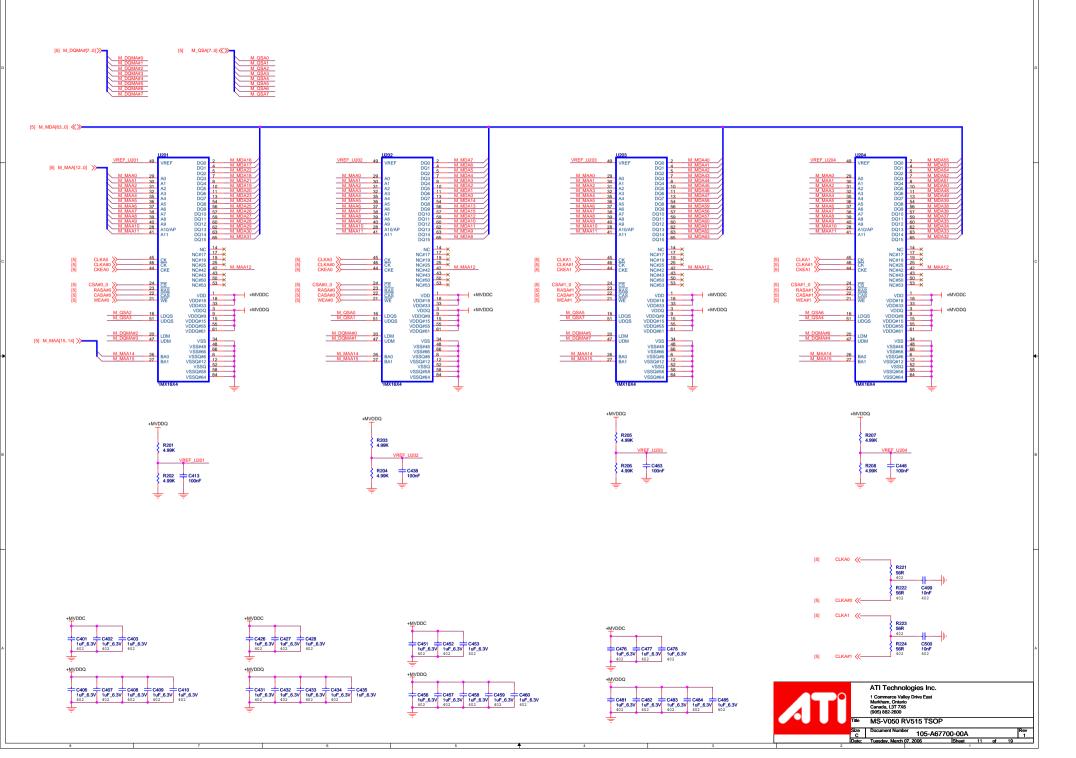




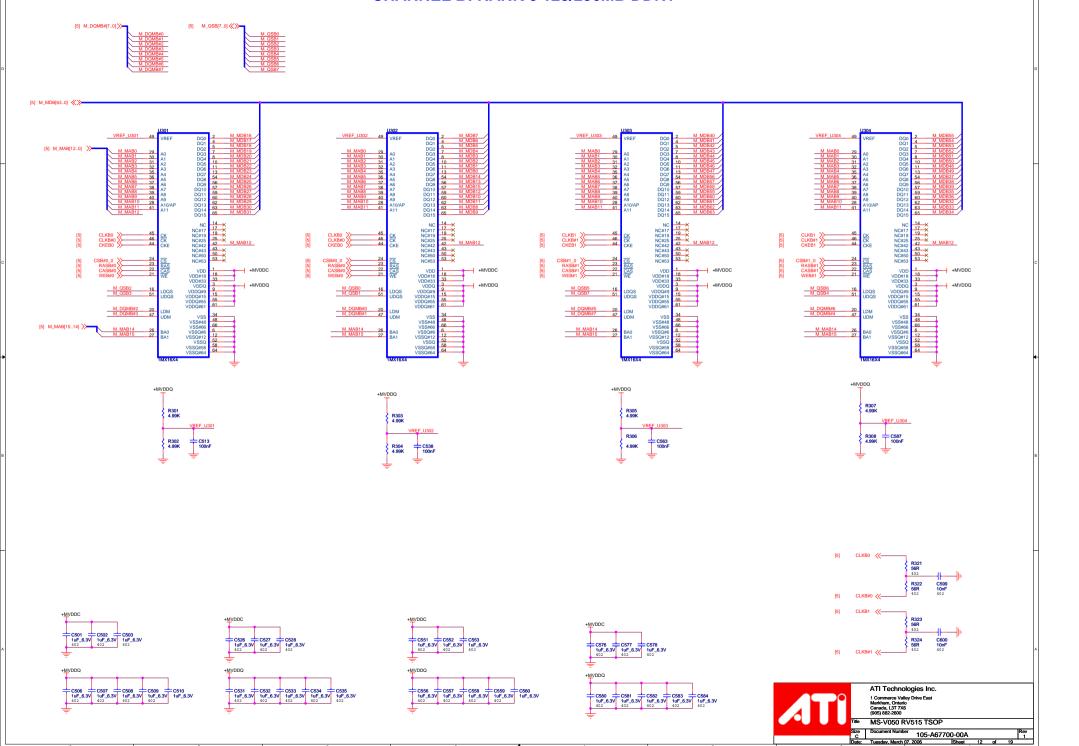


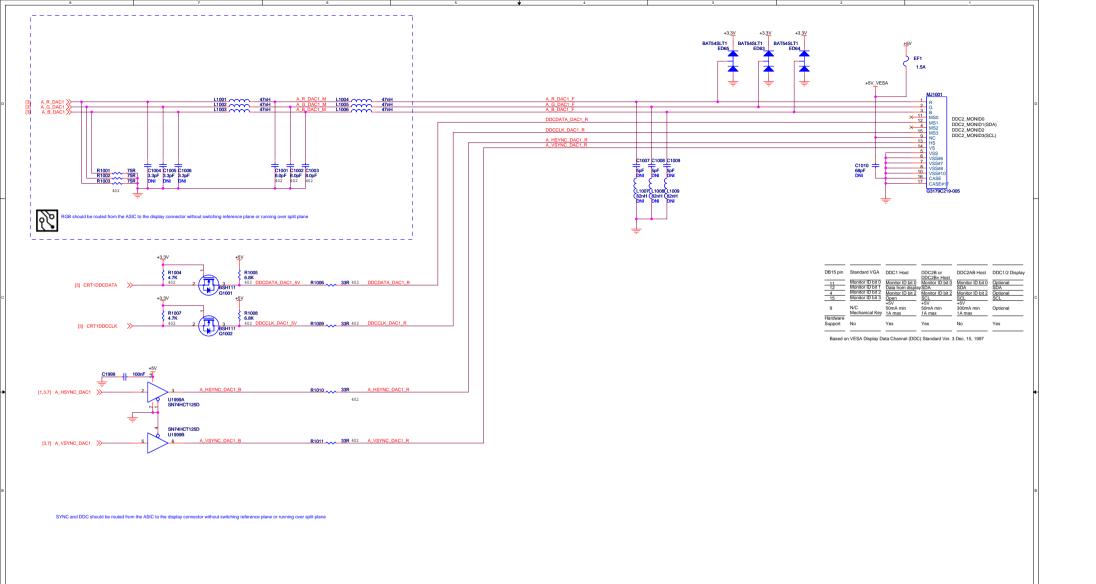


CHANNEL A: RANK 0 128/256MB DDR1

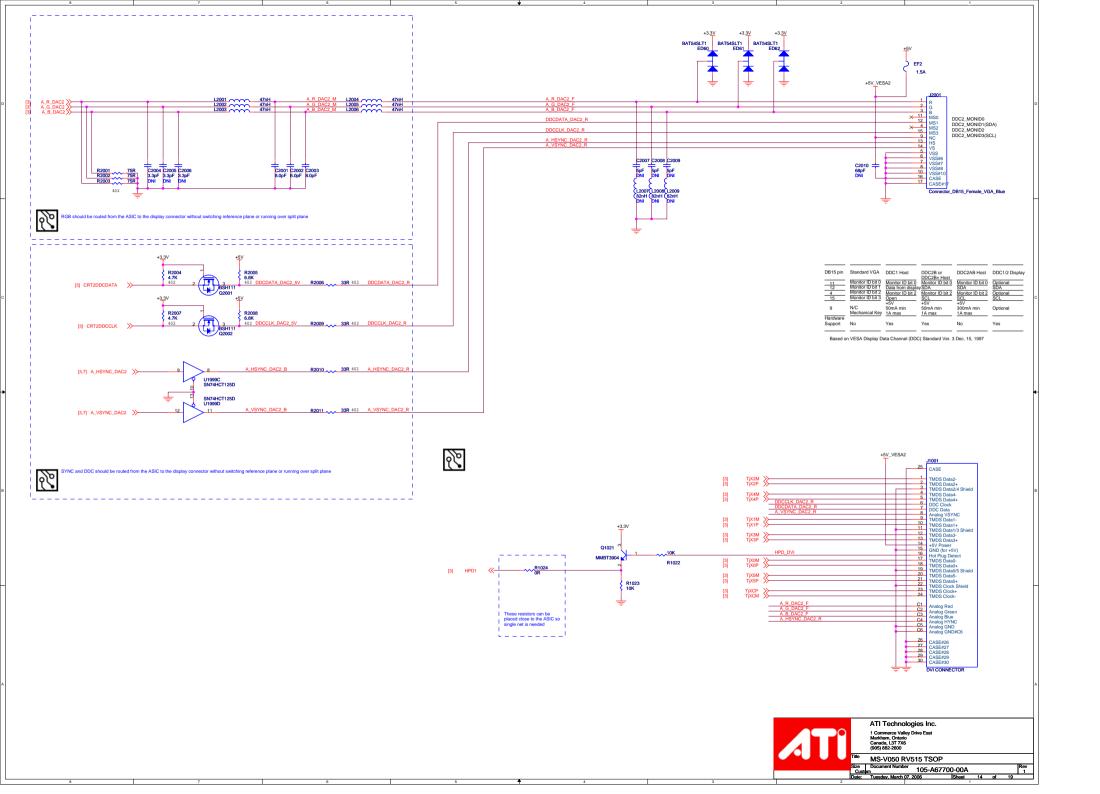


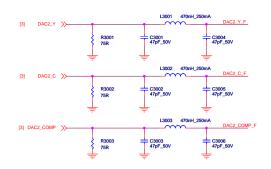
CHANNEL B: RANK 0 128/256MB DDR1



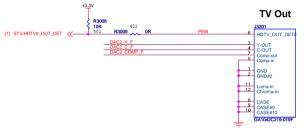








Place near connector 0R leaves footprint for Ferrite Beads if req'd for EMI



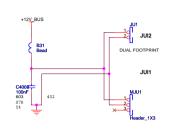
The 7-pin MiniDIN footprint allows one of the two MiniDINs:

- 7-pin Svideo/Composite MiniDIN P/N 6071001500G
- 4-pin Svideo MiniDIN P/N 6070001000G

7 pin N56-07F0021-F02

9 pin N56-09F0031-F02





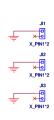


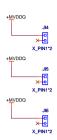












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