

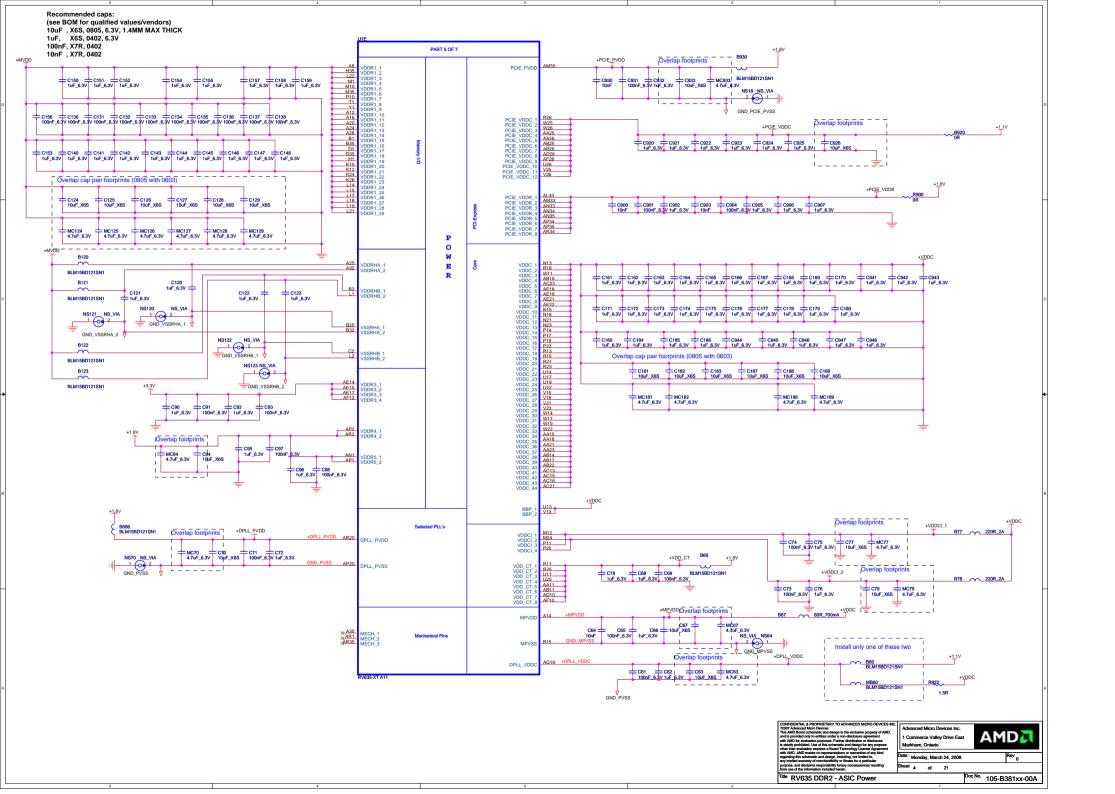
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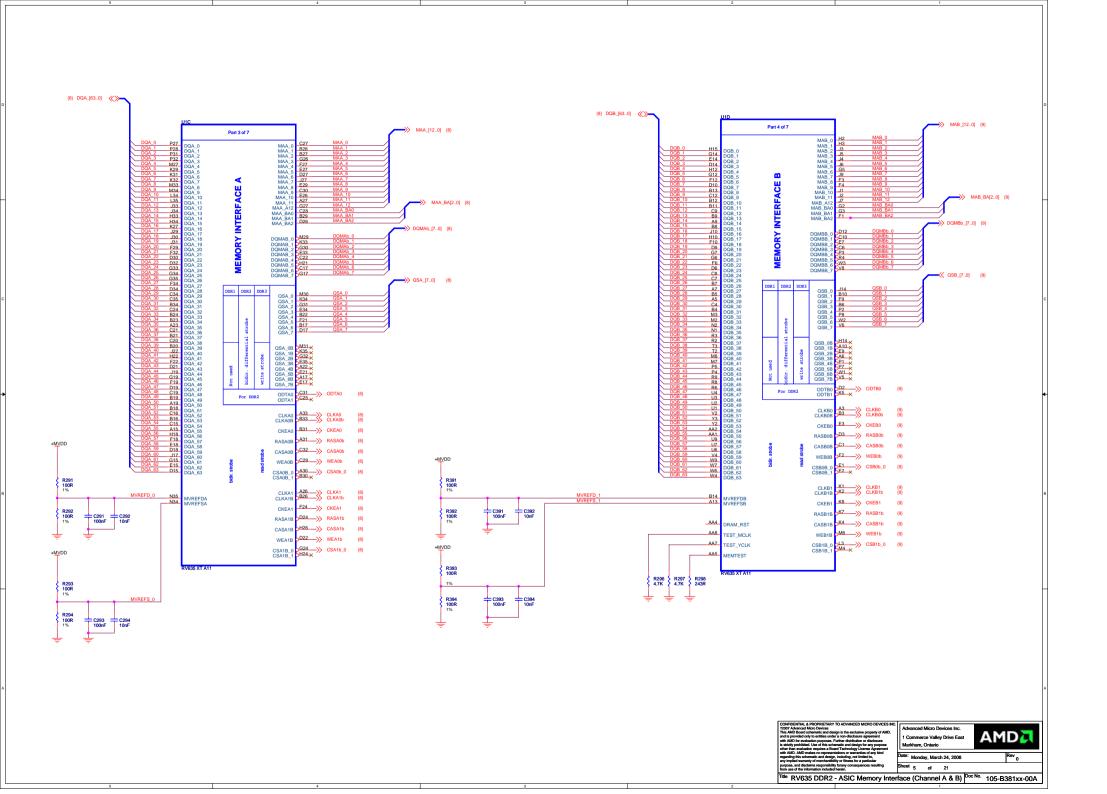
Recommended caps: (see BOM for qualified values/vendors) 10uF . X6S. 0805. 6.3V. 1.4MM MAX THICK 1uF. X6S, 0402, 6.3V 100nF. X7R. 0402 10nF . X7R. 0402 PART 2 OF 7 R120 _____ 499R C1120 | 180nF_10V | C1121 | 180nF_10V TXCAM_DPA3 TXCAP_DPA3 R122 499R R121 499R AR10 AP10 R111 _____ 182R R123 499R C1124 | 180nF_10V | 180nF_10V | 180nF_10V AR23 AR11 {16} {16} AP23 R126 _____ 499R R125 _____ 499R C1126 | 180nF_10V | C1127 | 180nF_10V AR12 {16} {16} AP24 R127 _____ 499R {15} {15} 2X3M 2X3P TXCBM_DPB3N TXCBP_DPB3F R132 ____ 499R C1132 | 180nF_10V | C1133 | 180nF_10V {15} {15} 2X4M 2X4P TX3M DPB2t {16} {16} TX3P DPB2 R114 _____ 182F R134 _____ 499R R133 ____ 499R (15) +T2P√DD 2Y5M C1134 | 180nF_10V | C1135 | 180nF_10V B889 BLM15BD121SN1 AR16 {16} {16} TX4M_DPB1N TX4P_DPB1P R135 2PVDD C1136 | 180nF_10V | C1137 | 180nF_10V {16} {16} TX5M_DPB0N TX5P_DPB0P 2PV/SS C100 C101 = C102 1uF_6.3V AK27 2XVDDC_1 2XVDDC_2 AG15 DP_CALR R128

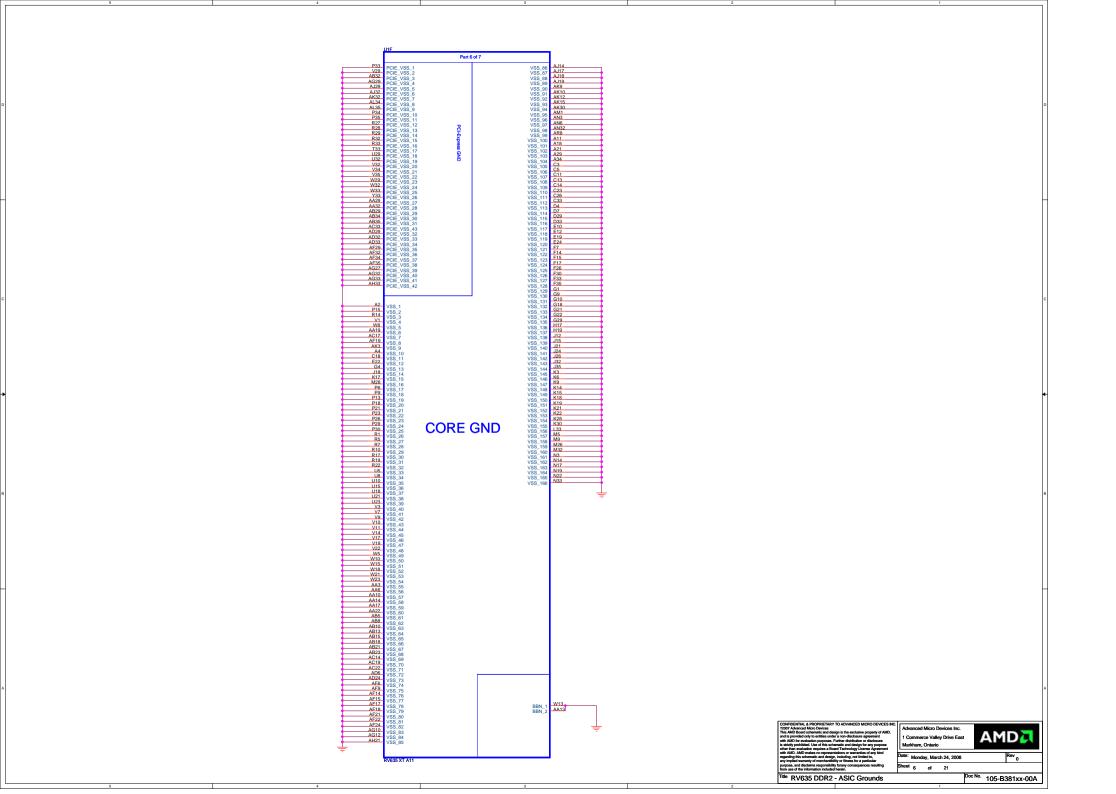
DNI for RV630 Al 27 DP_GND DP_CALR Overlap footprints T+DPA PVDD GND_T2PVSS BLM15BD121SN1 ±LTVDD18 AL14 ≫__1 Q110 Si2304DS C112 C113 MC113 1uF_6.3V 10uF_X6S 4.7uF_6.3V AH17 AG17 C103 C108 10uF_X6S 1uF_6.3V (13) LVT EN AP19 AR19 GND DPAVSS Overlap footprints T+DPR PVDD BLM15BD121SN1 AN21 AN24 AN25 AN28 AP21 AP26 AR21 AR26 AJ24 AM22 AM24 AM26 AM27 C190 C191 C192 MC192 100nF 1uF_6.3V 10uF_X6S 4.7uF_6.3V NS190 NS_VIA R109 0R Overlap footprints_ _ _ AN19 AN20 DNI for RV630 DPB_VDDR_ C115 C116 C117 MC117 MC117 100F_X6S 4.7uF_6.3V RI M15RD121SN AN16 AN17 DPB_VSSR_1 DPB_VSSR_2 DPB_VSSR_3 DPB_VSSR_4 DPB_VSSR_5 Overlap footprints _ _ C107 1uF_6.3V AN18 AR18 +3.3V 2XVSSR 14 BLM15BD121SN1 R40 R41 4.7K 4.7K DAC/CRT (15) CRT1DDCDATA (15) CRT1DDCCLK DDC2DATA DDC2CLK (16) CRT2DDCDATA (16) CRT2DDCCLK DDC3DATA_DP3_AUXN DDC3CLK_DP3_AUXP - A_DAC1_B {15}
- A_DAC1_BB {15} DDC4DATA_DP4_AUXN DDC4CLK_DP4_AUXP HSYNC_DAC1 {7,15} VSYNC_DAC1 {7,15} AGE RSET R1030 499R GND_AVSSQ HPD1 >>-(16) HPD1 RSET R35 R36 4.7K 4.7K AVDE C1020 C1021 C1022 100F 1000F_6.3V 1uF_6.3V NS1020 NS_VIA 2 0 1 V GND_AVSSQ AVSSC B884 BLM15BD121SN1 What happens to all the JTAG resistors especially R7 and also the TRs? I2C DEVICE ADDRESS' ON DDC2 VDD10 NS1021 NS_VIA DEVICE ADDRESS LM63 ×100 1100 DP TBD × AK4 × AM4 AG21 VSS1D DMINUS DPLUS TS_FDO HSYNC_DAC2 {7,16}
VSYNC_DAC2 {7,16} VREFG A_DAC2_Y {17}

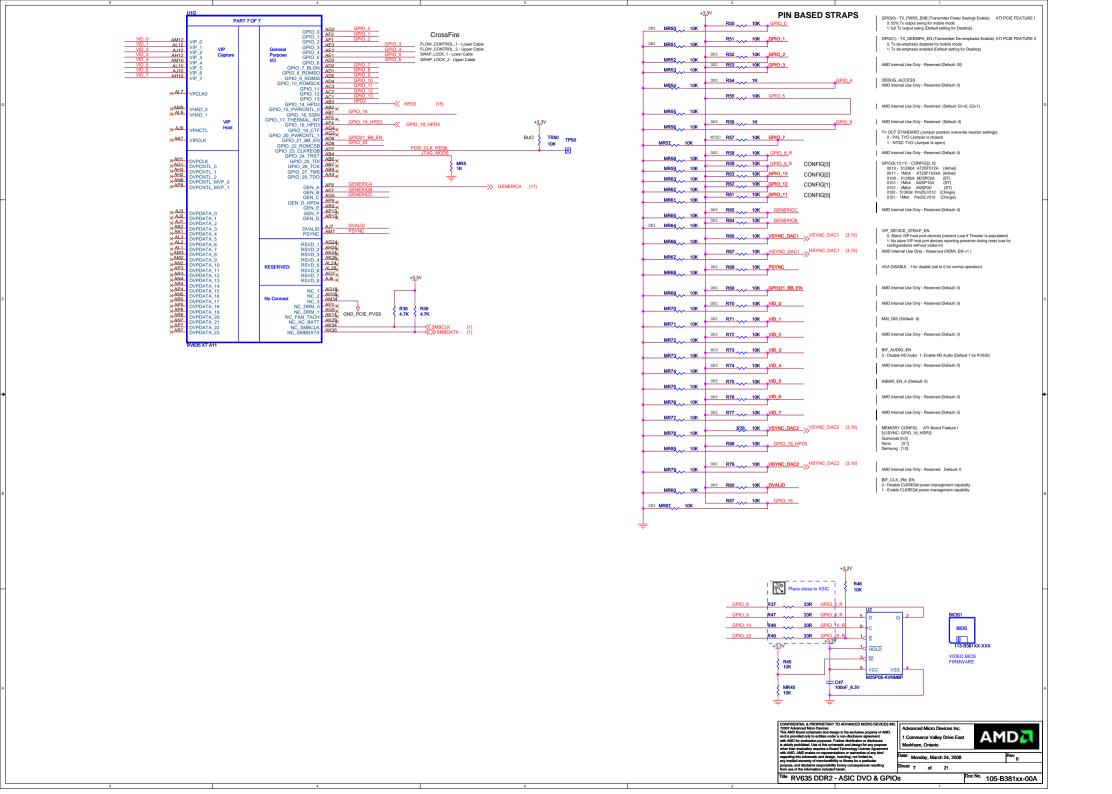
A_DAC2_C {17}

A_DAC2_C MP {17} COM R2SET R2030 715R GND_A2VSSQ XTALIN R2SET B883 BLM15BD121SN1 XTALOUT +A2VDDQ A2VDD0 C2022 1uF_6.3V C2021 100nF_6.3V A2VSSQ VDD2D +VDD2DI ♥ GND_A2VSSQ VSS2D +A2VDD B2030 26R_600mA +3.3V GND_VSS2DI_ V _ _ _ _ _ _ C2030 C2031 C2032 10nF 100nF_6.3V 1uF_6.3V C2033 MC2033 10uF_X6S 4.7uF_6.3V Overlap footprints EY82 27_MHZ 1 Commerce Valley Drive East Markham, Ontario C85 220F loc No. 105-B381xx-00A Title RV635 DDR2 - ASIC MAIN

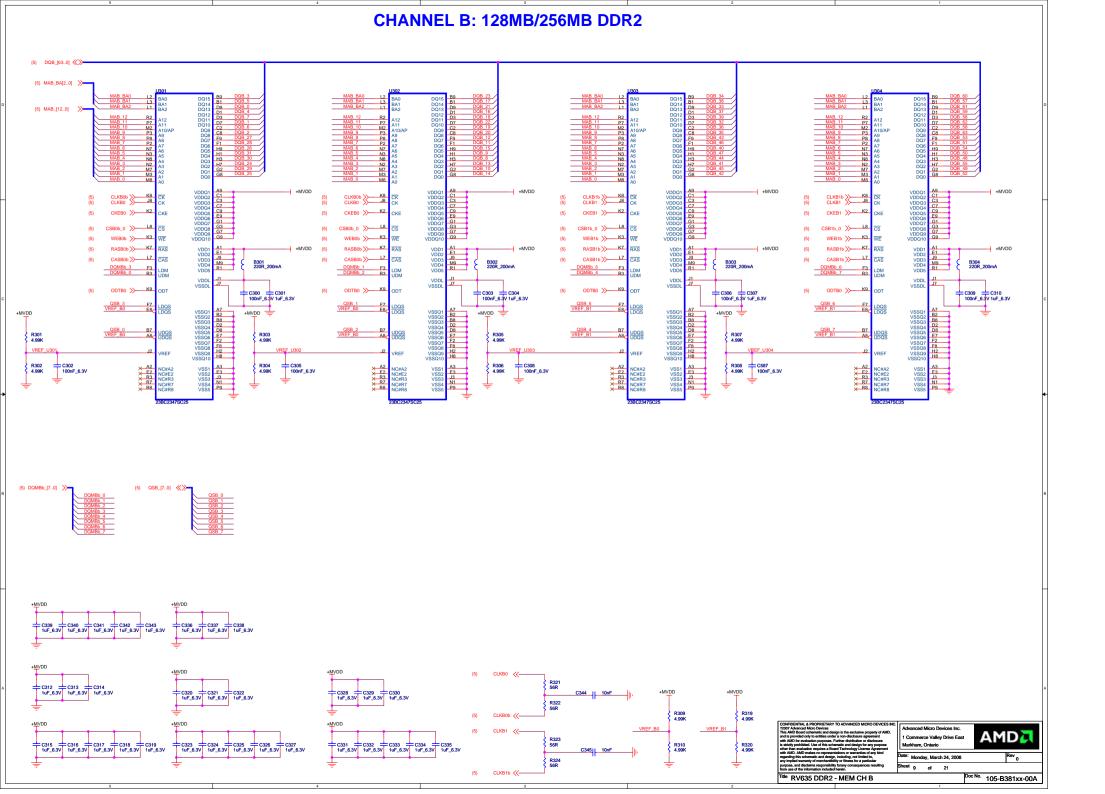




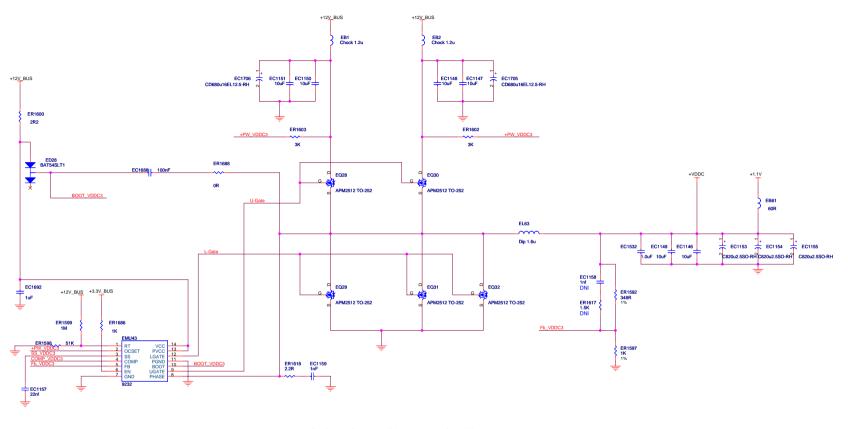




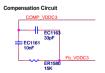
CHANNEL A: 128MB/256MB DDR2 (5) DOA (63 01 ((XX) (5) MAA_[12..0] VDDQ1 A9 C1 C1 C2 C3 C3 C7 VDDQ4 C9 VDDQ6 G1 VDDQ7 G3 VDDQ9 VDDQ9 G9 VDDQ10 G9 VDDQ3 VDDQ4 VDDQ5 VDDQ3 VDDQ4 VDDQ5 VDDQ9 CAS B202 220R_200mA B203 220R_200mA VDDL C200 C201 100nF 6.3V 1uF 6.3V C203 = C204 100nF 6.3V 1uF 6.3V C206 C207 100nF_6.3V 1uF_6.3V C209 = C210 100nF_6.3V 1uF_6.3V VSSQ1 B2 VSSQ2 B8 VSSQ3 D2 VSSQ4 D8 VSSQ5 E7 VSSQ6 F7 +MVDD +MVDD R201 4.99K R203 4.99K +MVDD R202 4.99K VSS1 VSS2 VSS3 VSS4 VSS5 VSS1 VSS2 VSS3 VSS4 VSS5 (5) DQMAb [7..0] >> (5) QSA [7..0] >> C239 C240 C241 C242 C243 1uF_6.3V 1uF_6.3V 1uF_6.3V 1uF_6.3V 1uF_6.3V C236 C237 C238 1uF_6.3V 1uF_6.3V 1uF_6.3V CLKA0 ((-C220 C221 C222 1uF_6.3V 1uF_6.3V 1uF_6.3V C212 C213 C214 1uF_6.3V 1uF_6.3V 1uF_6.3V R209 4.99K R219 4.99K CLKA0b //-+MVDD VREF_A1 **AMD** Commerce Valley Drive East R220 4.99K Markham, Ontario Title RV635 DDR2 - MEM CH A Ooc No. 105-B381xx-00A

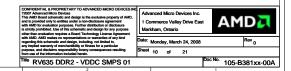


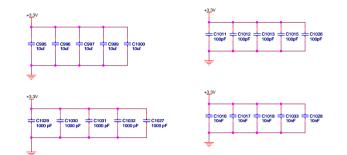
CORE REGULATOR VDDC



+VDDC=0.8*(1+(ER1592 / ER1597))







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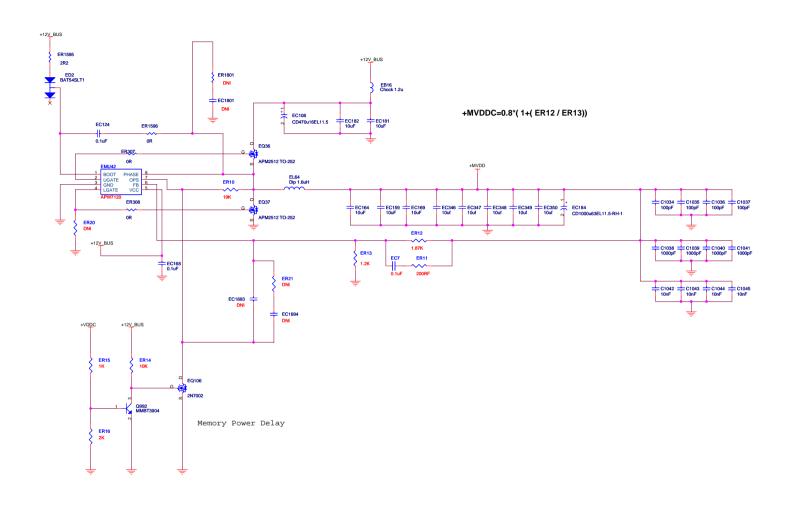
Date: Monday, March 24, 2008

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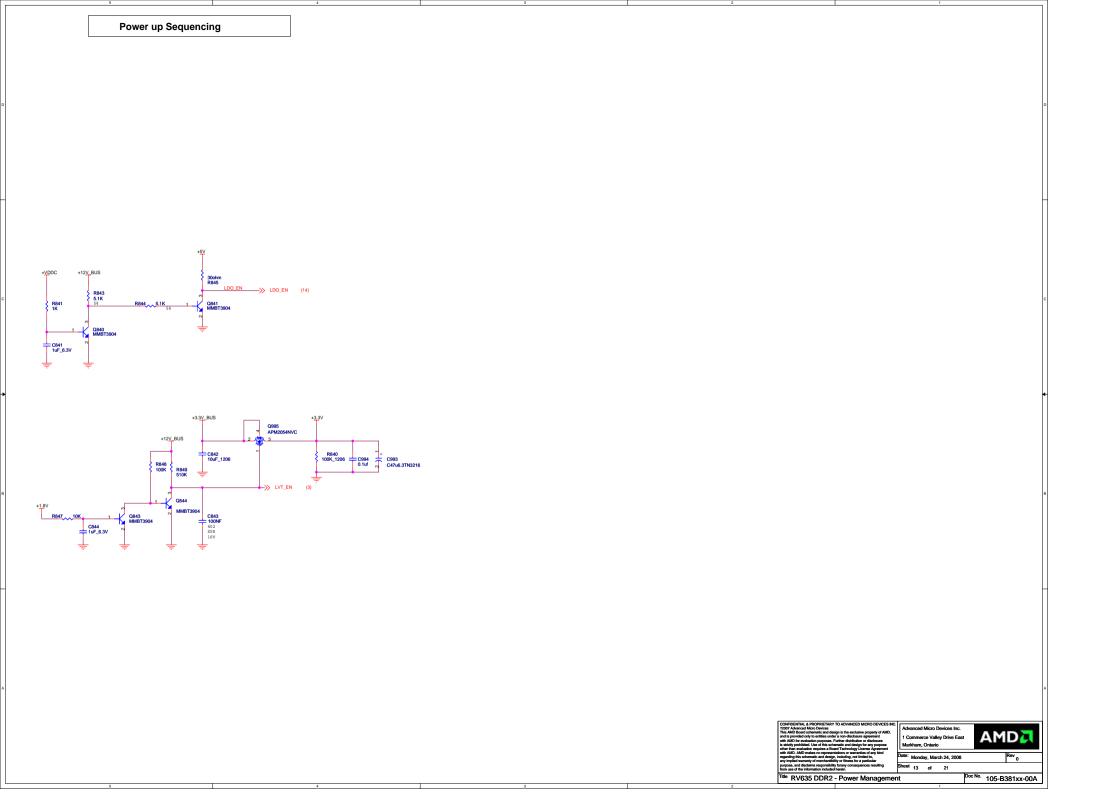
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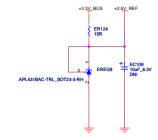
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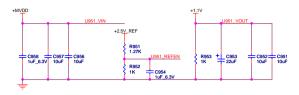
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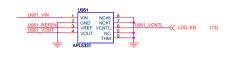
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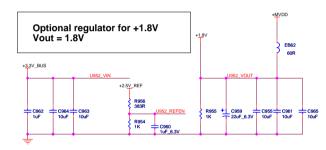




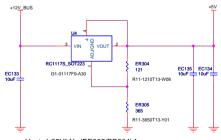
Optional regulator for +1.1V Vout = 1.1V





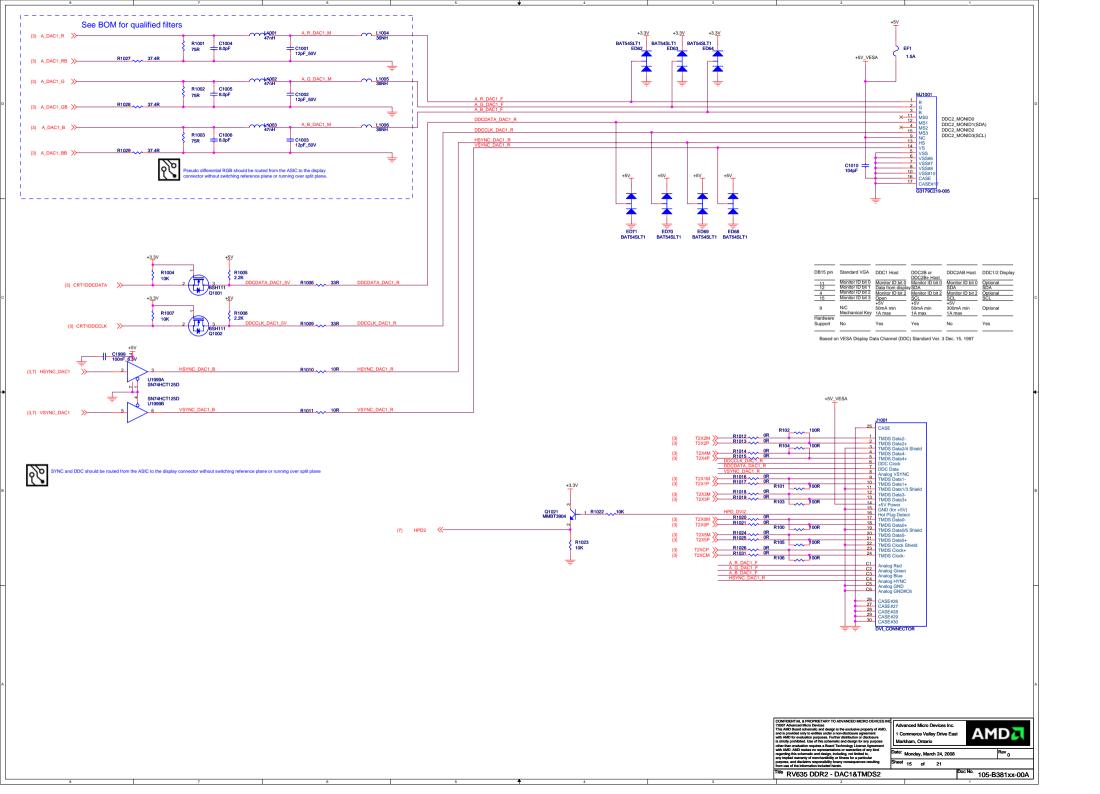


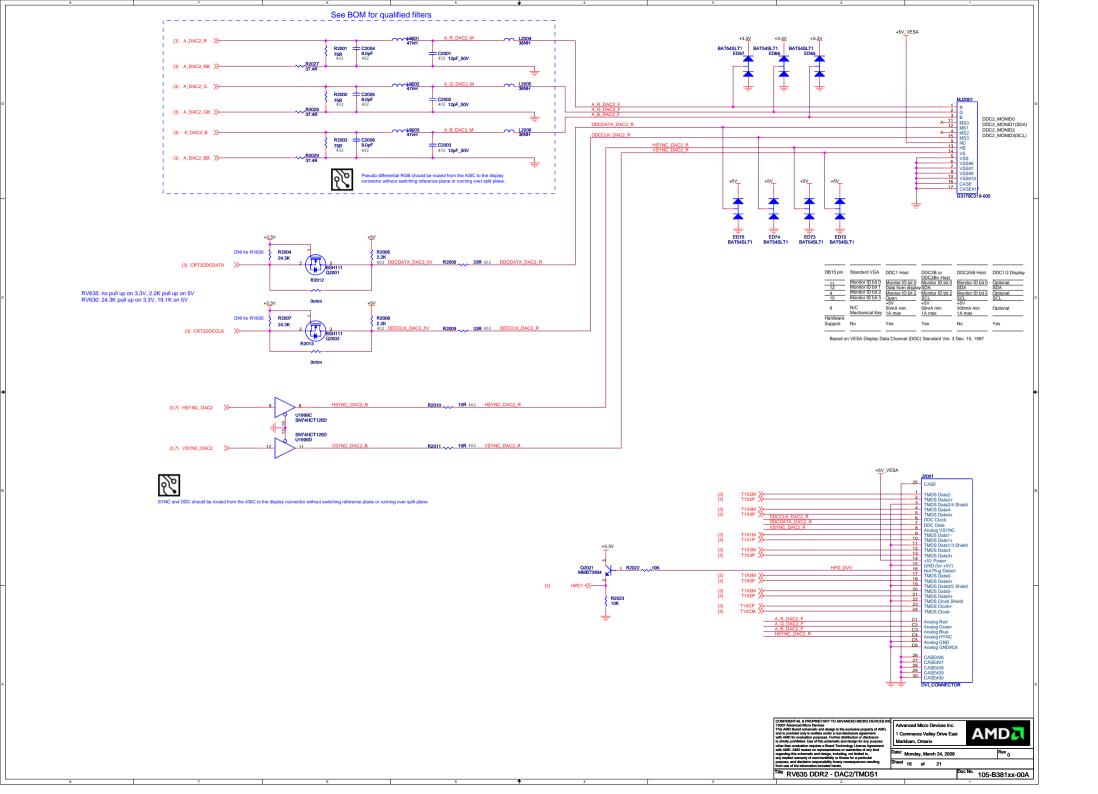


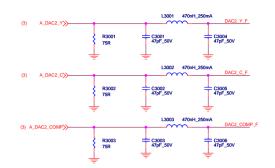


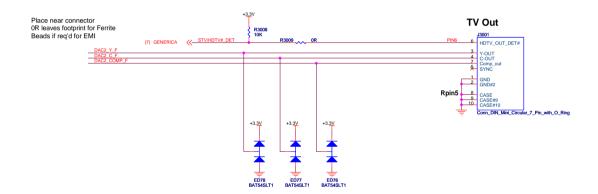
Vout=1.25V* [1+(ER305/ER304)]



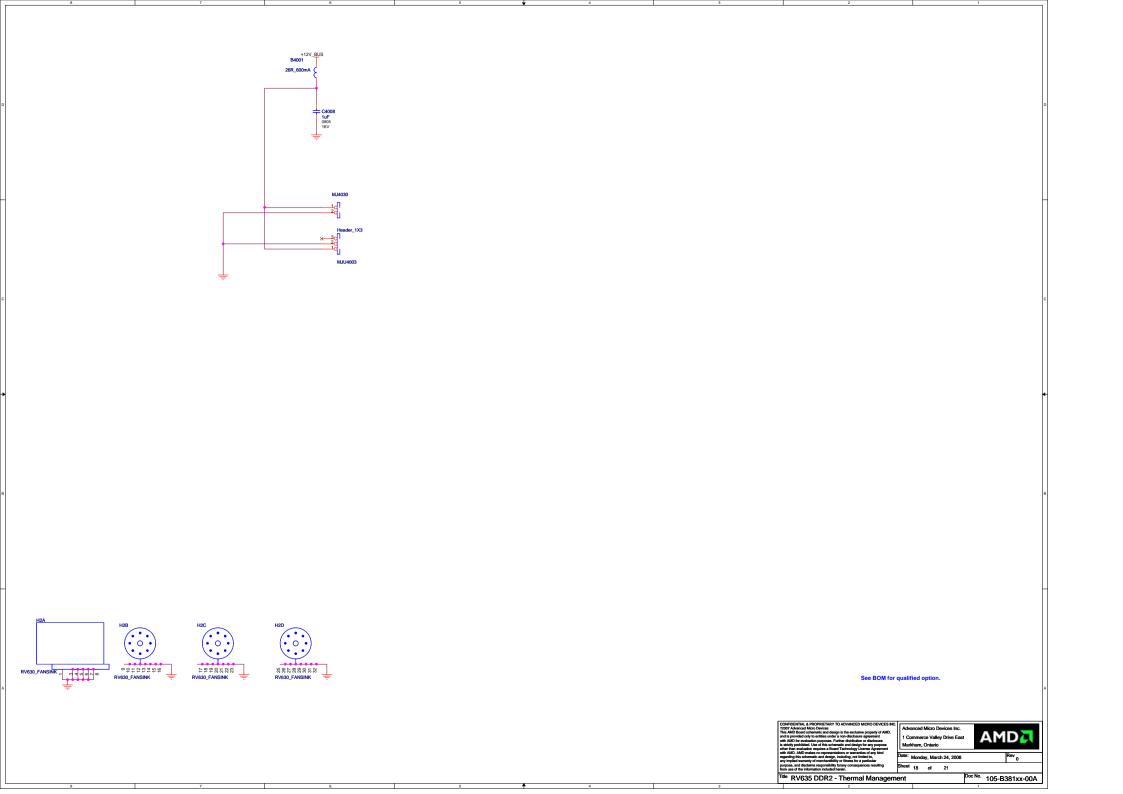


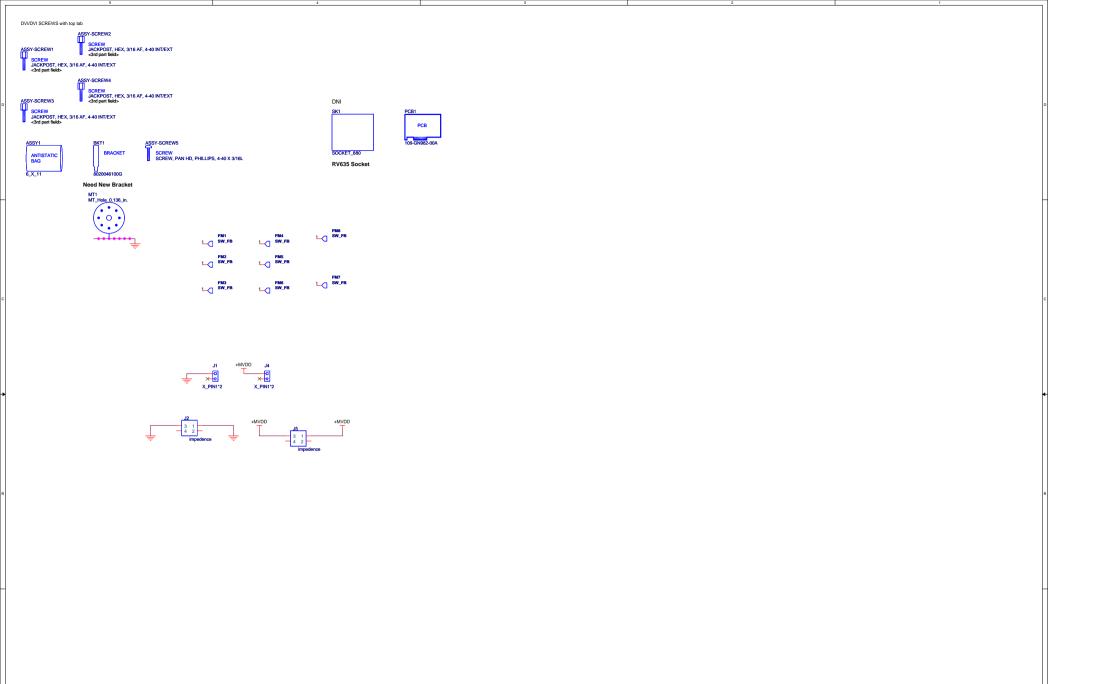


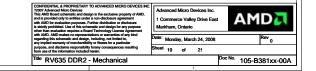




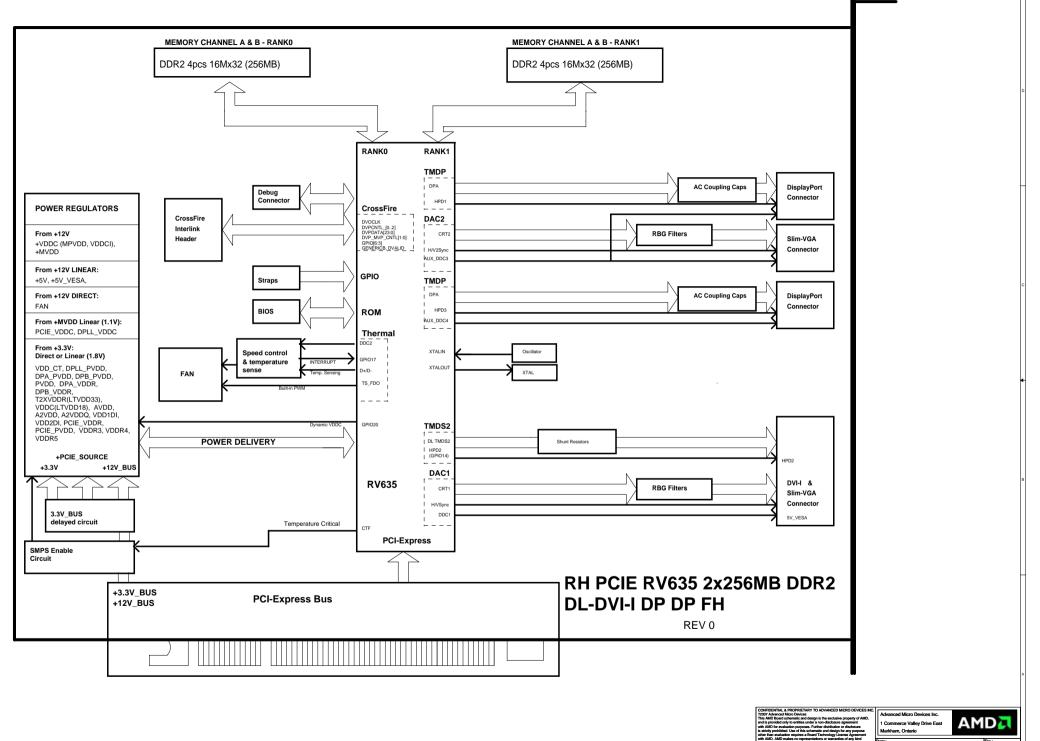
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		RH PCIE RV635 2x256MB DDR2 DUAL DL-DVI-I DL-DVI-I VO FH					105-B381xx-00	A	Monday, March 24	, 2008			
D				REVISION HISTORY NOTE: This schematic represents the PCI For Stuffing options (component v Please contact AMD representative					Is the PCB, it does not represen aponent values, DNI , ? please esentative to obtain latest BOM	PCB, it does not represent any specific SKU. ent values, DNI , ? please consult the product specific BOM. tative to obtain latest BOM closest to the application desired.			
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