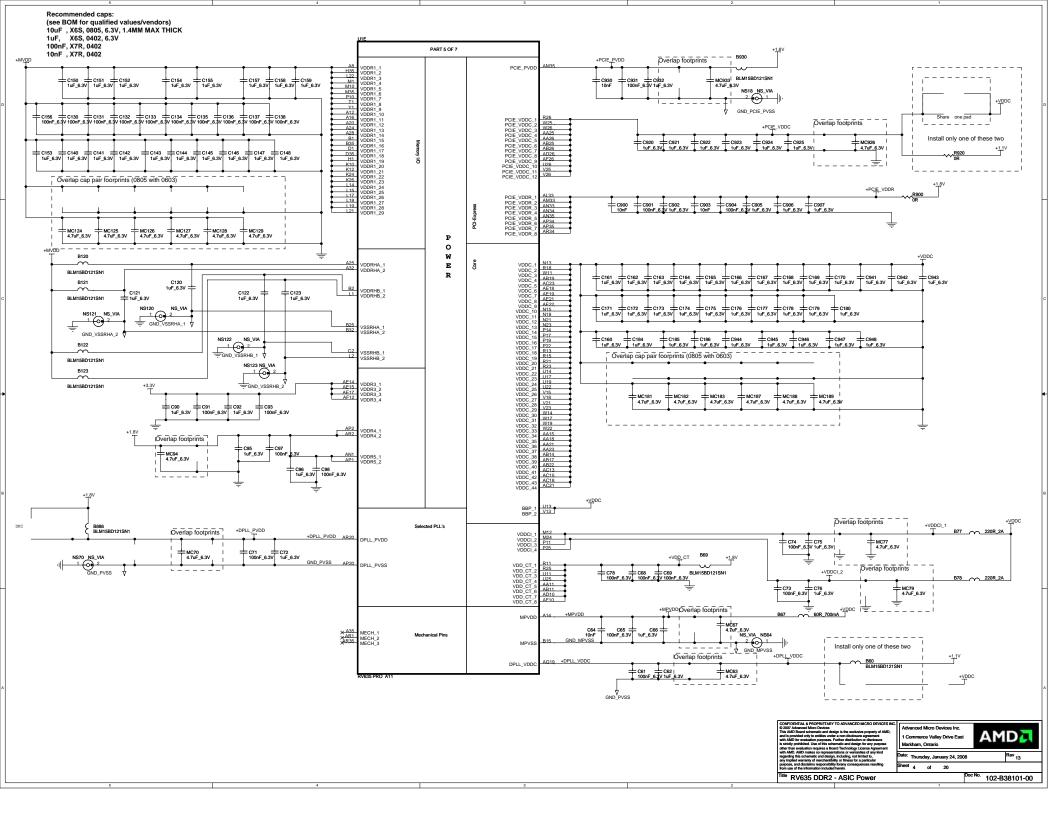
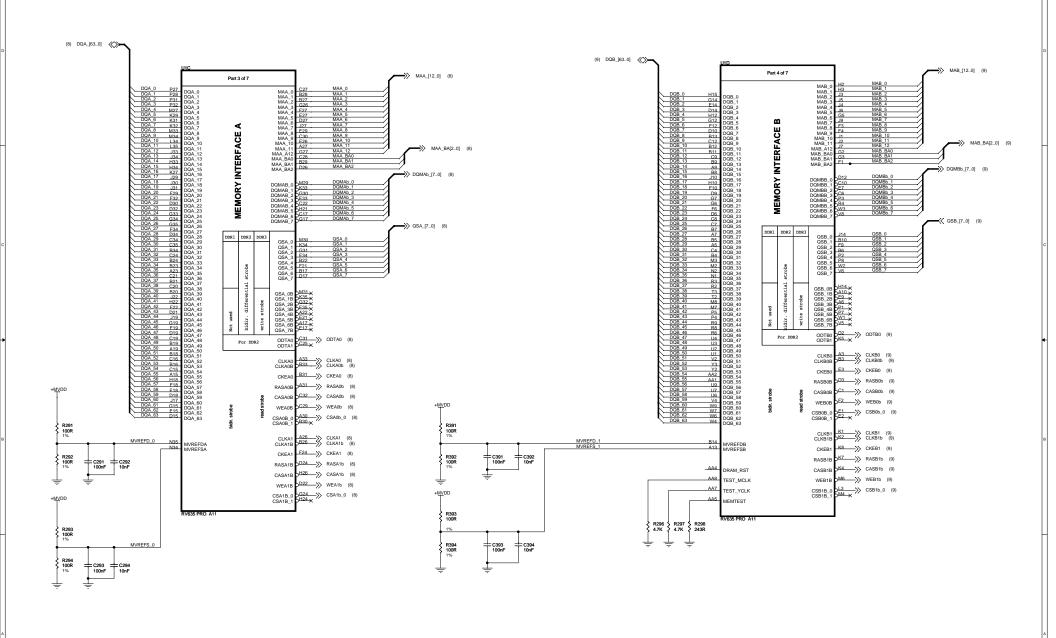


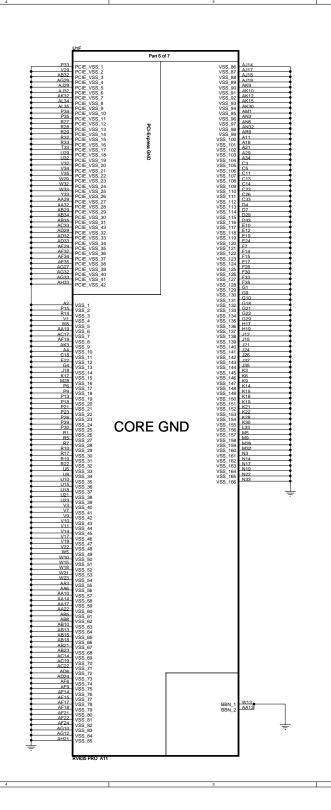


Recommended caps: (see BOM for qualified values/vendors) 10uF , X6S, 0805, 6.3V, 1.4MM MAX THICK 1uF, X6S, 0402, 6.3V 100nF, X7R, 0402 10nF, X7R, 0402 Place close to ASIC Place close to Connector Integrated
DP/TMDS
TXCAM_DPA3N
TXCAP_DPA3N C1127 | 100nF_6.3V (15) T2XCM(-(15) T2XCR(-T2XCM T2XCP DPA_3N (16) DPA_3P (16) DPA_2N (16) Γ2Χ0M Γ2Χ0P TX0M_DPA2N C1123 | 100nF_6.3V DPA_1N (16) T2X1M T2X1P TX1M_DPA1N TX1P_DPA1R C1121 | 100nF_6.3V AR24 DPA_0N (16) T2X2M T2X2P TX2M_DPA0N TX2P_DPA0P (15) T2X2M(-(15) T2X2R(-0 (15) T2X3M(-(15) T2X3R(-C1137 | 100nF_6.3V TXCBM_DPB3N TXCBP_DPB3P DPB_3N (17) DPB_3P (17) (15) T2X4M(-(15) T2X4R(-T2X4M T2X4P C1135 | 100nF_6.3V DPB_2N (17) DPB_2P (17) TX3M DPB2N TX3P DPB2 AR27 (15) T2X5M(-(15) T2X5R(-Γ2Χ5M Γ2Χ5P B889 BLM15BD121SN1 +T2PVDD DPB_1N (17) U L T TX5M_DPB0N TX5P_DPB0P DPB_0N (17) C102 1uF_6.3V MC100 4.7uF_6.3V 100nF_6.3V T2XVDDC_1 T2XVDDC 2 Q100 SI2304DS 10 E DP CALR Overlap footprints T+DPA_PVDD GND_T2PVSS Overlap footprints DPA_PVDD AM14 DPA_PVSS AL14 T2XVDDR_1 T2XVDDR_2 AG17 MC109 1uF_6.3V 100nF_6.3V AP19 AR19 DPA_VDDR_1 Overlap footprints BLM15BD121SN1 T2XVSSR_1 T2XVSSR_2 T2XVSSR_3 (13) LVT_EN >>-DPA_VSSR_ DPA_VSSR_ + C190 + C191 | 100nF + 1uF_6.3V MC192 4.7uF_6.3V AN12 AN13 AN14 NS190 NS_VIA R109 0R 2XVSSR_4 2XVSSR_5 DPA_VSSR_0 DPA_VSSR_0 DPA_VSSR_0 Overlap footprints. _ _ 2XVSSR ▼ GND_DBPVSS T+DPA_VDDR AP26 T2XVSSR_6 T2XVSSR_7 T2XVSSR_8 T2XVSSR_9 T2XVSSR_10 T2XVSSR_11 T2XVSSR_11 T2XVSSR_12 T2XVSSR_13 T2XVSSR_14 +LTVDD33 DPB_VDDR_1 AN19 AN20 AR21 AR26 MC117 | 4.7uF_6.3V | + C115 + C116 100nF 1uF_6.3v AJ24 AN16 AN17 AN18 AR18 AP18 C105 100nF_6.3V DPB_VSSR_ DPB_VSSR_ DPB_VSSR_ DPB_VSSR_ DPB_VSSR_ C107 : 1uF_6.3V BLM15BD121SN1 +1.1V T+DPB_VDDR +C193 +C194 100nF + TuF_6.3v MC195 4.7uF_6.3V (1) DDC1DATA_TDI < A_DAC1_R (15) A_DAC1_RB (15) DDC1DATA Monitor Interface R40 R41 4.7K 4.7K DAC / CRT (15) CRT1DDCDATA A_DAC1_G (15) A_DAC1_GB (15) (13,18) DDC2DATA (13,18) DDC2CLK DDC2DATA A_DAC1_B (15) A_DAC1_BB (15 DDC3DATA DP3 AUXN (16) DDC3_DATA_DP3_AUXN (16) DDC3_CLK_DP3_AUXP DDC3CLK_DP3_AUXP +1.8V DDC4DATA_DP4_AUXN DDC4CLK_DP4_AUXP HSYNC_DAC1 (7,15) VSYNC_DAC1 (7,15) HSYNC VSYNC B882 BLM15BD121SN1 RSET R1030 499R GND_AVSSQ +AVDD →>> VSYNC1_TCK (1) (16) HPD1 >>-HPD1 RSET R35 R36 (1) DDC1CLK_TMS <<-AVDE NS1020 NS_VIA 2 0 1 GND_AVSSQ AVSSC MMI2C +VDD1DI What happens to all the JTAG resistors especially R7 and also the TRs? VDD10 NS1021 NS_VIA (18) GPU_DMINUS (18) GPU_DPLUS (18) TS_FDO VSS1DI AM4 AG21 DAC2 (TV/CRT2) A_DAC2_R (16) A_DAC2_RB (16) Do Not Share PADs TP42 35mil AM18 A_DAC2_G (16)
A_DAC2_GB (16) G2B PLL_TEST_EN PLLTEST (1) TEST_EN_R (AM17 A_DAC2_B (16) A_DAC2_BB (16) HSYNC_DAC2 (7,16) VSYNC_DAC2 (7,16) ₹ VREFG VREFG COME R2SET R2030 715R GND_A2VSSQ AR33 R2SE1 +A2VDDQ XTALOUT S A2VDD +3.3V_BUS C2021 100nF_6.3V C2022 1uF_6.3V A2VSSQ 2020 NS_VIA 2 0 1 7 GND_A2VSSQ NS2020 XTALOUT S VDD2D VSS2DI A2VDD +A2VDD **B2030 26R_600mA** +3_3V GND_VSS2DI_ V C2030 + C2031 + C2032 10nF 100nF_6.3V 1uF_6.3V ✓ OSC_EN (13,14) Overlap footprints 10pF_50V Advanced Micro Devices Inc Y82 27,000MHz 10PPM Commerce Valley Drive East 10pF_50 Markham Ontario Thursday, January 24, 2008 Rev 13 et 3 of c No. 102-B38101-00 RV635 DDR2 - ASIC MAIN

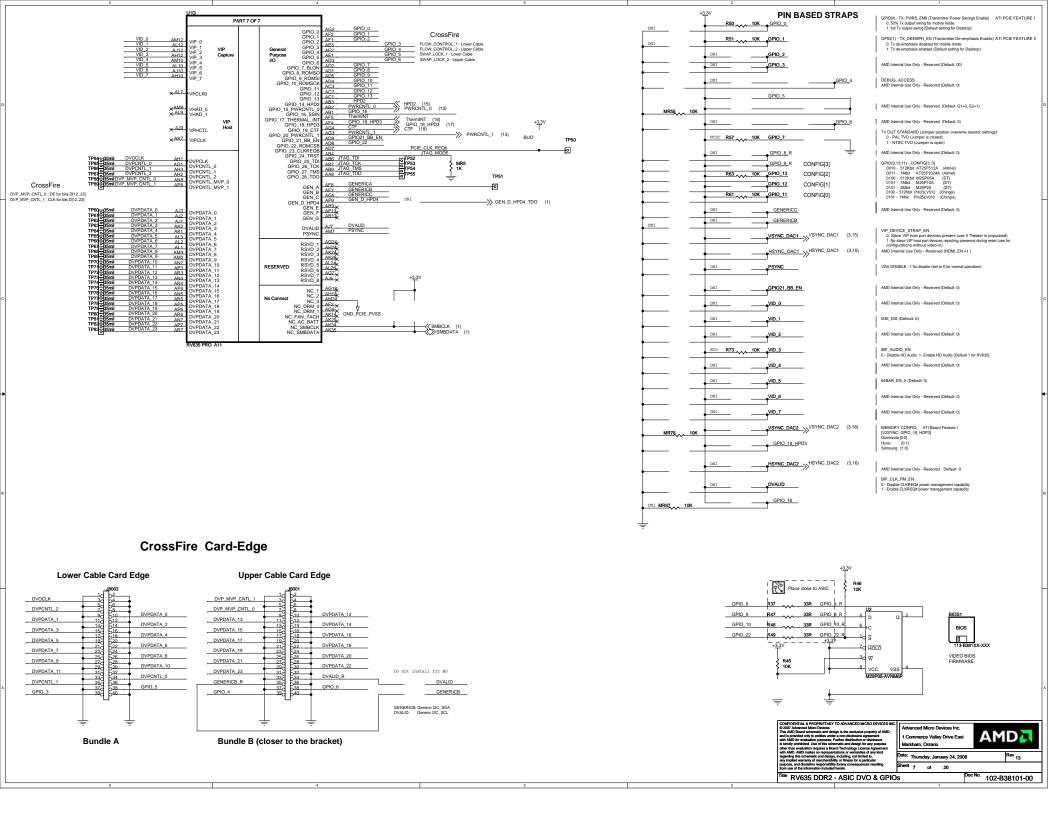




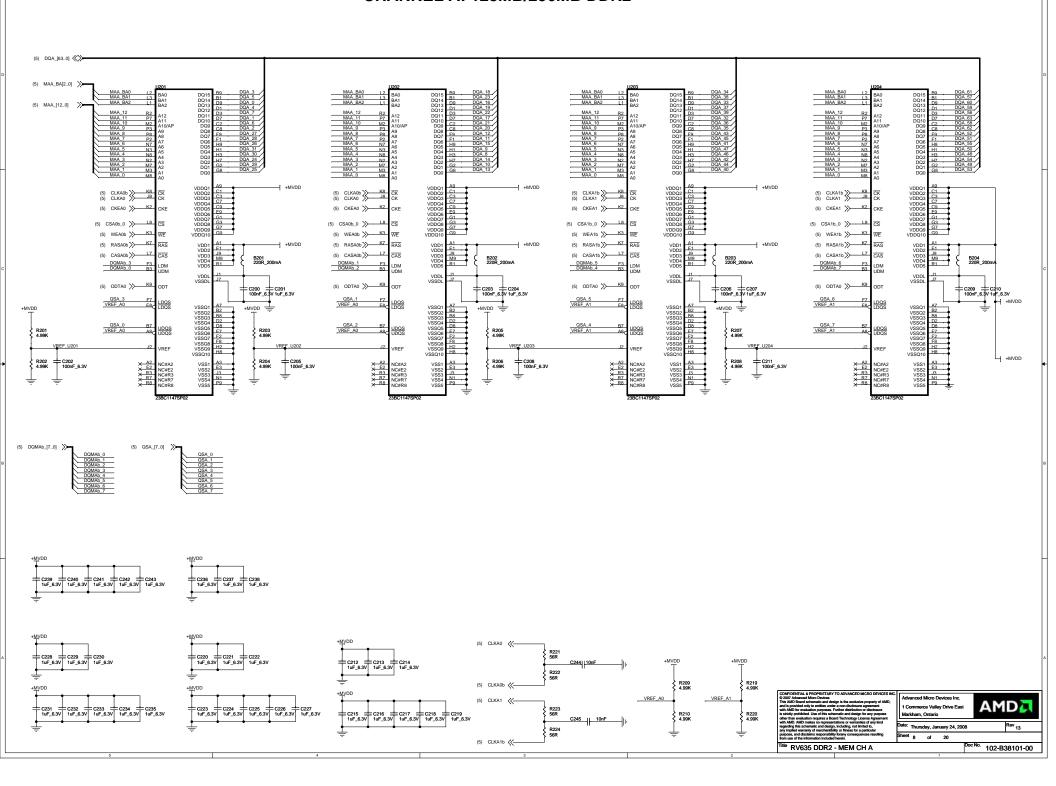




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CHANNEL A: 128MB/256MB DDR2



CHANNEL B: 128MB/256MB DDR2

