



























Title: Bissenet Report
Design: p413
Date: Sep 29 14:42:41 2006 2.4A< 2.5C 2.4A< 2.5C SNN_MIOB_CAL_PU_GN 10.28 PEX_REFCLK* 2.2C 2.5A PEX_TXX13* FBACMD<14> 3.3C 3.3G 4.2B 4.2C FBADQM-5> 3.3B 5.4B 528.52C 3 38 5 30 PEX 8X0 220244-PEX TXX14 244-250 52B52C 6D<15> 33C33F4.1B4.1C 5.1B5.1C FBADQN<7> 3.38.5.40 FBADQS<0> 3.48.4.10 4.48 FBADQS<0> 3.48-4.4A-0.4.1G< PEX_RX0* PEX_RX1 PEX_TXX14* PEX_TXX15 SNN_MIOB_CLKOUT 10.3C SNN_MIOB_CLKOUT* 10:30 FB4CMD+18> 33C 33E 42B 42C PEX BX1* 0413 Ib P413/B0413 Ib 0413/srb 11 2.20.2.40 PEX TXX151 244-250 SNN MIOR D2 10.2C PEX_RX2 PEX_RX2 PEX_RX3 2.2C 2.4A< 2.2C 2.4A< PLL_VDD 12:1G<12:4C PRSNT 2:1B PVCCS_DRV 13:3D Base Signal Location((Zone)(dr) 528.520 5 1Gr 5 44r SNN MIOR D3 10.20 FBACMD<17> 3.3C 3.3G 4.2B 4.2C FBADQSc1> 33D3AB41G4 FBADQSc2> 3AB41G44D FBADQSc3> 3AB41G44D 9/3 44.0 13.9 10.0 13.9 10.0 13.9 10.0 13.9 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10.0 13.5 10 2.30 2.44 SNN_MIOB_D5 10.20 FB4CMD+18> 33C 33G 42B 42C PEX BXX ROM CS* 12.3E 12.3E SNN MIOR D6 10.2C 2302444 FBADQS-3> 3.48 4.10 4.40 FBADQS-4> 3.48 5.10 5.48 FBADQS-5> 3.48 5.10 5.40 FBADQS-6> 3.48 5.10 5.40 FBADQS-7> 3.48 5.10 5.40 PEX_RX4*
PEX_RX4*
PEX_RX5*
PEX_RX5* 528 52C FBACMD<19> 33C 33F 428 42C 528 52C ROM_SCLK 12:3E 12:3F ROM_SI 12:3E 12:3F ROM_SO 12:3E 12:3F SNN_MIOB_D7 10.2C SNN_MIOB_D10 10.2C 23C 2.5A< SNN_MIOB_DE 10.2C 6.2E 9.1G< 9.3E 9.3G 9.1G< 9.3E 9.3G FBACMD<20> 33C 33F 42B 42C 52B 52C FBACMD<21> 33C 33G 42B 42C 230250 SEL 2ND DEV 12.25×7.44 SNN MOB HSYNC 10.20 FBADQSN<0> 3.48 4.1G 4.48 FBADQSN<7.0> 3.4A 0.4.4A 0.4.1G PEX_RX8

PEX_RX8

PEX_RX7

PEX_RX7 23C 25Ac 23C 25Ac SNN_3V3AUX 2.1B SNN_5V_CLAMP 12.2E SNN_MIOB_VREF 10.28 SNN_MIOB_VSYNC 10.20 9 1Gz 9 2F 9 2G 528 52C 5 1Gc 5 4Ac 2302584 SNN ACDRIVE 13.4F SNN PEX JTAGE TO K 2 10 FBACMD<22> 33C 33C 42B 42C FBACMD<23> 34C 34F 42B 42C 52B 52C 9 1Gz 9 2F 9 2G FBADOSN-1> 330 348 4 10 4 48 230250 SNN ATXIN 9.2F SNN PEX ITAGE TMS 210 FBADQSN-2> 3.48 4.1G 4.4D FBADQSN-2> 3.48 4.1G 4.4D FBADQSN-3> 3.48 4.1G 4.4D FBADQSN-4> 3.48 5.1G 5.4B PEX_RX8
PEX_RX8*
PEX_RX9 2.4C 2.5A< 2.4C 2.5A< SNN_ATXD3* 9.2E SNN_A_ID0 6.4H SNN_A_ID2 6.4G 9.1G< 9.2E 9.2G FBACMD<24> 3.4C 3.4F 4.2B 4.2C FBACMD<25> 3.4C 3.4G 4.1B 4.1C SNN PEY WAKE* 22C 9 1Gz 9 2F 9 2G 2402584 SNN_A_TX3 220 SNN_A_TX3 220 SNN_A_TX4 220 SNN_A_TX4 220 SNN_A_TX4 220 SNN_A_TX5 220 SNN_A_TX5 220 SNN_BTXC 23E FBADQSN-6> 3.48 5.1G 5.4B FBADQSN-6> 3.48 5.1G 5.4B PEX_RXS² PEX_RX10 2.4C 2.5A< 2.4C 2.5A< 9 1Gr 9 2F 9 2G SNN PE PRINTS A 218 SNN_PE_PRSNT2_B 22B SNN_PE_PRSNT2_C 23B FBAD<0> 3.18 4.38 FBAD<32.0> 4.3A<> FBADQSN-7> 3.4B 5.1G 5.4D FBA_DEBUG 3.1G<3.4C 3.4E PEX_RX10* PEX_RX11 2.4C 2.5Ac 2.4C 2.5Ac SNN_PE_RSVD2 228 SNN_PE_RSVD3 228 SNN_PE_RSVD4 228 SNN_PE_RSVD5 228 3.1A 0.5.3A 0.4.1Gc FBAD:63.0b 3.1A 0.5.3A 0.4.10 FBA_PLIAVDD 3.5C FBCAL_PD_VDDQ 3.4C PEX_RX11* PEX_RX12* PEX_RX12* PROJECT 3184.08
PROJECT 3184.0 FBAD<1> 3.18 4.38 FBCAL_PU_GND 3.4C 2.4C 2.5Ac CVBS_PB_MUX 7.5F> 8.1G< 8.3C< CVBS_Y_MUX 7.4F> 8.1G< 8.2C< C_MUX 7.4F> 8.1G< 8.3C< FBCAL_TERM_GND 3.4C FBVDDQ 14.1G FBVDDQ_12V_EN* 14.3E PEX_RX13 PEX_RX13* PEX_RX14 2.5A< 2.5C 2.5A< 2.5C 2.5A< 2.5C SNN_PE_RSVD6 23B SNN_PE_RSVD7 24B SNN_PE_RSVD8 24B SNN_PE_HDTV_SDTV 12.2E SNN_SPDIF 12.2C SNN_THERM_ALERT* 12.2E SNN_TV_NC1 8.3E DACA BUILE 6 10×640 FRUDDO DR 143F PEX BX14* 254-250 DACA BUILE F 84G> 61G+ 93G FBVDDQ FN° 14.3F PEX RX15 254-250 FBVDDQ_EN" 14.3E FBVDDQ_IN 14.3F FBVDDQ_VREF 14.4F FBVREF 3.9B F8_DIS 13.4C HPD 2.3G DACA_GREEN 6.1G<6.4C DACA_GREEN,F 6.3G>6.1G<9.3G< SNN_BTXD7 9.3E SNN_BTXD7 9.3E SNN_BUFRST 12.3E SNN_TV_NC2 8.3E SW12V 13.3C SW12V_ENC* 13.5C DACA_HSYNC 6:1G<6:3C DACA_HSYNC_C 6:2G>6:1G<9:3G< DACA RED F 63G>61G<93G IZCA SCL 6.3C PEX_TX0 2:2Ac 2:2E PEX_TX0* 2:2Ac 2:2E SNN DACB CSYNC 7.30 SWAPRDY_A TESTMODE 12.3E 12.3E DACA RRFT 610-638 DCA 801 C 610×920× SNN FAN PWM 122F TESTMODE THERMDA THERMDC VCCS VREF_A VREF_B XTALIN XTALIN_B DACA_VREF 6.1G< 6.3B DACA_VSYNC 6.1G< 6.3C DCA_SDA_C 8:3C DCA_SDA_C 8:2G>9:3G< PEX_TX1

PEX_TX1*

PEX_TX2 SNN_FBA1_NC_A2 438 SNN_FBA1_NC_E2 438 DACA_VSYNC_C 6:3G> 6:1G< 9:3G-I2CB_SCL 7.3C 2.2Ac 2.2E SNN_FBA1_NC_R3 428 DACB_BLUE 7.1G< 7.4C DACB_BLUE_SW 7.1G< 7.5E IDCB_SCL_C 7.1F IDCB_SDA 7.9C PEX_TX2* PEX_TX3* PEX_TX3* PEX_TX4 2.2A<2.2E 2.2A<2.3E SNN_FBA1_NC_R7 42B SNN_FBA1_NC_R8 42B 53C 53E 43C 43E 3.28 4.30 3.28 4.30 3.28 4.30 3.28 4.30 3.28 4.30 3.28 4.40 3.28 4.40 3.28 4.40 DACB BLUE SW F 7.1G< 7.5F IZCB SDA C 7.2F 2.2Ac 2.3E 2.2Ac 2.3E SNN_FBA2_NC_A2 43C SNN_FBA2_NC_E2 43C 12.1Gc 12.4C 12.1Gc 12.5D DACS GREEN 710-740 DOH SCI 123F 123G FBAD<21>
FBAD<22>
FBAD<23>
FBAD<23>
FBAD<24>
FBAD<25>
FBAD<25>
FBAD<26>
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FBAD<28>
FBAD<28> DACB_GREEN_SW 7.1G<7.4E DACB_GREEN_SW_F 7.1G<7.4F DCH_SDA 123E 123G DCS_SOL 2.1E⇔ 122C⇔ DCS_SDA 2.1E⇔ 122C⇔ PEX_TX4*
PEX_TX5
PEX_TX5* 22A: 23E 22A: 23E 22A: 23E 22A: 23E SNN_FBA2_NC_R7 42C SNN_FBA2_NC_R7 42C SNN_FBA2_NC_R8 42C XTALIN_B 12.10</br>
XTALIN_T 12.10
12.10
12.4D
XTALOUT 12.10
12.4E
XTALOUTBUFF 12.4E DACB_HSYNC 7.1G< 7.3C FP_ABPLLVDD 9.1G<9.2C FP_ABRSET 9.2C FP_ABVDD 9.1G<9.3C PEX_TX6
PEX_TX6*
PEX_TX7 2.2Ac 2.3E 2.2Ac 2.3E 2.2Ac 2.3E SNN_FBA3_NC_A2 5.38 SNN_FBA3_NC_E2 5.38 SNN_FBA3_NC_R3 5.28 XTALOUT_B 12.1G< 12.5E XTALOUT_T 12.1G< 12.4E XTALSSIN 12.4C DACB_HSYNC_C 7:9G> 7:1G< DACB_RED 7.1G< 7.4C DACB_RED_SW 7.1G< 7.4E 3.28 4.4D 3.28 4.4D 3.28 4.4D 3.28 4.4D DACB RED SW F 7.1G<7.4F IFP_ABVDD_IN 9.1G< IFP_ABVPROBE 9.2C PEX_TX7* PEX_TX8 2.2A<2.3E 2.3A<2.4E SNN FBA3 NC R7 52B DACS RSFT 710c738 SNN FBAS NC RR 528 FBAD<28>
FBAD<20>
FBAD<30>
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FBAD<35> DACB_VREF 7.1G<7.3B DACB_VSYNC 7.1G<7.3C FP_AB_VDD_IN 9.4A FP_CPLLVDD 9.4C PEX_TX8* PEX_TX9 SNN_FBA4_NC_A2 5.30 SNN_FBA4_NC_E2 5.30 FP_CREATO 9.4C
FF_CRET 34C
ITAQ_TEX 12.2C
JTAQ_TEX 12.2C
JTAQ_TEX 12.2C
JTAQ_TEX 12.2C
JTAQ_TEXT 12.2C
LED_CREMP 13.4C
LED_G 13.3C
LED_G 13.3C
LED_G 13.3C
LED_G ITAG_TEXT 13.4C
LED_G ITAG_TEXT 13.4C DACB VSYNC C 7.3G> 7.1G< 3.28 4.4D 3.28 5.38 3.28 5.38 3.28 5.38 3.28 5.38 3.28 5.38 3.28 5.38 3.28 5.38 3.28 5.48 3.28 5.48 3.28 5.48 3.28 5.48 PEX TX9* 2.3Ac 2.4E SNN FBA4 NC R3 520 DDC_5V 14.1G DDR_ODT 3.4F> 3.1G< 4.2A-PEX_TX10 PEX_TX10 PEX_TX11 PEX_TX11 2.3A<2.4E 2.3A<2.4E SNN_FBA4_NC_R7 520 SNN_FBA4_NC_R8 520 4.2C< 5.2A< 5.2C< DVI_HPD 9.3E> 12.2F< 2.3A: 2.4E SNN_FBA_CMD26 3.4C SNN_FBA_CMD27 3.4C 2.34-2.4F DV_HPD_F 9.3F F3V3 14.1G FBACLK0 3.4D>3.3D 4.1G< PEX_TX12 23A:24E PEX_TX12 23A:24E PEX_TX13 23A:25E SNN_FBA_CMD28 3.4C SNN_GPI00 12.2E SNN_GPI02 12.2E FBAD-35>
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FBAD-40> LDO_FB 13.4C LDO_G 13.3C LDO_GR 13.3B LOAD_TEST 7.5C> 12.2F< SNN_GPIO2 SNN_GPIO3 SNN_GPIO4 SNN_GPIO5 SNN_GPIO6 SNN_GPIO12 SNN_GPIO13 SNN_GPIO13 12.2E 12.2E 12.2E 12.2E 12.2E 12.2E 12.2E 12.2E PEX_TX13* PEX_TX14* PEX_TX14* 2.3A< 2.5E 2.3A< 2.5E 4.2A< 4.2C< 4.5B< FBACLK0* 3.4D> 3.3D 4.1G-4.2A< 4.2C< 4.5B< 2.3A: 2.5E FBACLK1 3.4D > 3.3D 5.1G < LOAD VGA 7.5E PEX TX15 2.3Ac 2.5E 5.2A<5.2C<5.5B<
FBACLK1* 3.4D>3.3D 5.1G<
5.2A<5.2C<5.5B< LOAD_VIDEO 7.4E MIOA_D2 11.4Ab 10.3D<11.4B MIOB_CLKIN 10.3C PEX_TX15* PEX_TXX0* PEX_TXX0* 2.3A< 2.5E 2.2C 2.3A< 2.2C 2.3A< FBACLK C0 4.5B 3.38 5.48 3.38 5.30 3.38 5.30 3.38 5.30 3.38 5.30 3.38 5.30 3.38 5.30 3.38 5.30 3.38 5.30 3.38 5.40 3.38 5.40 MIOB CTL3 11.3As 10.2Ds 11.3B PEX TXX1 2.2C 2.3A< SNN_HDCP_2 12.4G SNN_I2CC_SCL 12.2E SNN_I2CC_SDA 12.2E FBACIK_C1 5.58 FBACMD<0> 3.2F 3.3C 4.2B 4.20 MIOB_D0 11.2A> 10.2D< 11.2B MIOB_D1 11.2A> 10.2D< 11.2B PEX_TXX1* PEX_TXX2 2.2C 2.3A< 2.2C 2.3A< PEX_TXXX* PEX_TXXX FBACMD<25.0> 3.3D> 4.1A< 4.1G< MIOB D8 11.2A-10.2D< 11.2B 2.2C 2.3Ac SNN_IFPC_TXC 9.4E SNN_IFPC_TXC* 9.4E 5.1Ac FBACMDc1> 3.2F 3.3C 4.1B 4.1C 5.1B 5.1C FBAD-50>
FBAD-51>
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FBAD-60>
FBA MOS DS 11.24×10.20×11.28 234-230 MIOB_D11 11.3A> 10.2D< 11.3B NV/OD 13.1F NV/OD_TH_EN 14.3D PEX_TXXX*
PEX_TXXX4
PEX_TXXX4* SNN_IFPC_TXD0 9.4E SNN_IFPC_TXD0 9.4E 2.3A< 2.3C 5.18.5.1C

FBACMD-2> 3.20.3.3C 4.18.4.1C

FBACMD-2> 3.20.3.3C 4.18.4.1C

5.18.5.1C 2.3A<2.3C SNN IFPC TXD1 9.4E NV_BG NV_BG_D 13.4D 13.4E 13.3D PEX_TXXS
PEX_TXXS*
PEX_TXXS 2.3A< 2.3C 2.3A< 2.3C SNN_IFPC_TXD1* 9.4E SNN_IFPC_TXD2 9.4E FBACMD+4> 3.2F 3.3C 5.2B 5.20 NV BOOT 2.3Ac 2.3C SNN IFPC TXD2* 9.4E PEX_TXXIS* FBACMD+5> 3.2F 3.3C 5.2B 5.20 NV COMP 13.4D 2.3C 2.4Ac SNN IFP CVPROBE 9.40 FBACMD

FBACMD

75 33C 34G 42B 42C NV_FB 13.4D NV_PHASE 13.3E NV_RC_FB 13.4D PEX_TXXX*
PEX_TXXX*
PEX_TXXX 2.3C 2.4A c 2.3C 2.4A c 2.4A c 2.4C SNN_MIGA_D0 10.3C SNN_MIGA_D1 10.3C SNN_MIGA_D3 10.3C 5.28 5.2C 3.38 5.4D FBACMD+8> 3.2G 3.3C 4.1B 4.1C 3.38 5.4D 3.38 5.4D 3.38 5.4D NV_RC_IN 13.4F NV_SNUBBER 13.46 NV_UG 13.3E PEX TXX8" 2.4A<2.4C SNN MICA D4 10.3C 5.18 5.1C FBACMD<9> 3.2F 3.3C 4.18 4.10 PEX_TXXXIII PEX_TXXXIII 2.4A<2.4C 2.4A<2.4C SNN_MICA_D5 10.9C SNN_MICA_D6 10.9C 5.1B 5.1C 3.38 4.38 NV UGR 13.3E PEX TXX10 2.4A<2.4C SNN MICA D7 10.3C PB_OUT 8.1G<8.3E PEX1V2 13.1F PEX_JTAGE_TDIO 2.1C PEX_TXX110" 2.4A<2.4C PEX_TXX111 2.4A<2.4C PEX_TXX11" 2.4A<2.4C FBACMD<10> 3.3C 3.3F 4.2B 4.2C FBADQMc7.0> 3.3A> 4.1Gc 4.4A SNN MICA DB 10.3C 5.28 5.2C FBACMD<11> 3.3C 3.3D 4.28 4.20 5.4A<
FBADQM<1> 3.38 4.48 SNN_MICA_D<10> 10.40 5.28 5.2C FBADQM<2> 3.38 4.3D PEX_PLL_DVDD 2.5F PEX TXX12 2.4A<2.4C SNN MICH HSYNC 10.4C FBACMD<12> 3.3C 3.4E BADQM<3> PEX_PWRGD* 2.20 PEX TXX12" 2.4A<2.40 SNIN_MIGB_CAL_PD_VD 10.28 NVIDIA CORPORATION 7701 SANTOMAS EXPRESSWAY SANTA CLARA, CA 95050, USA ASSEMBLY BASE I EVEL GENERIC SCHEMATIC ONLY COMMON & NO. STLIFE ASSEMBLY NOTES AND BOMNOT FINA NV PN 600-10413-xxxx-000 A ALL MADIA DESIGN SPECIFICATIONS REFERENCE SPECIFICATIONS REFERENCE ROARDS RES DRAWNINGS DIAGNOSTICS LISTS AND OTHER DOCUMENTS OR INFORMATION (TOGETHER AND SEPARATELY MATERIALS) ARE REINS PROVIDED AS IS THE MATERIALS ALL-MANUAL DEBOTS OF CHARLES PETER PROTECTION TO A REPORT DEBOT DE BOT DEBOT DEBOT DE BOT DEBOT DEBOT DE BOT DEBOT DEBOT DE BOT DE BOT DEBOT DATE 02-OCT-2006 D E G

