P561: G98, DDR2 MEMORY 32MX16/16Mx16/64MX16

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Page 2: PCI Express Interface

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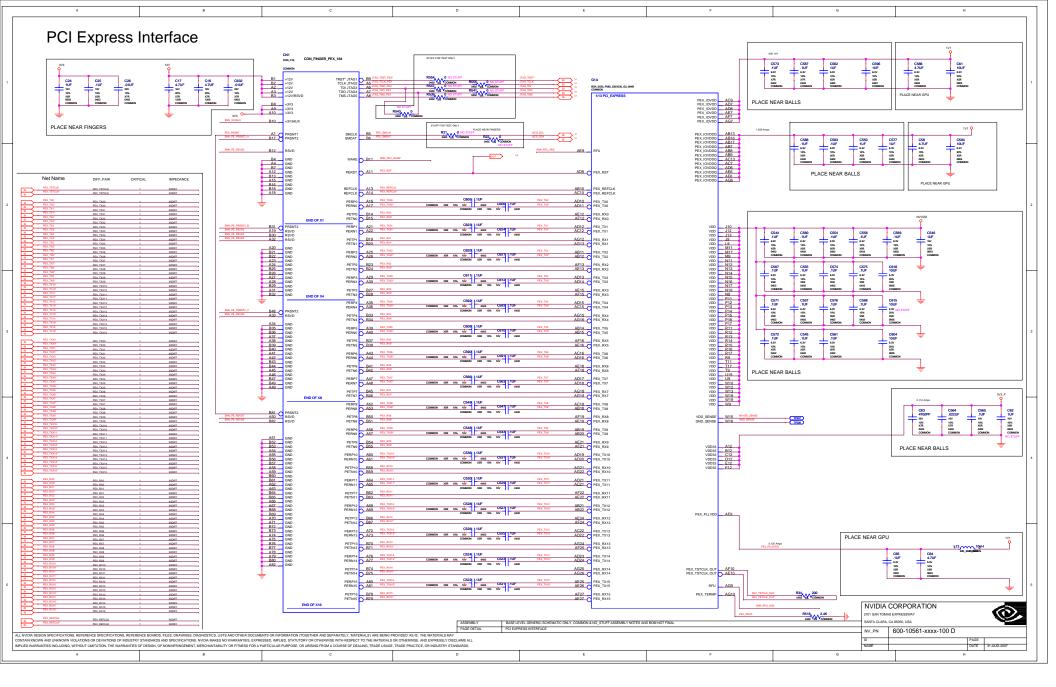
History 10	0	
96/09/27	page 08	add AV_OUT
	page 13	change Q1, Q2 to TO252
	page 14	add FBVDDQ-linear block, change U2 footprint
96/09/28	page 07	change J4 footprint
	page 12	add J7 (co-lay J6)
	page 13	add R572 for RT9259A, R570 footprint change to 0805,
		change L11, C11, C12, C31 footprint
	page 14	remove PWM block
		add D20, D21, C211, C212, C213, C214
96/10/01	page 14	add R210, R211
	page 09	add R75~R88, R63~R69, L15~L21 for DVI (EMI_solution)
96/10/02	page 12	add FAN Control Function
96/10/03	page 09	and netname (Between common Choke and DVI connector)
96/10/05	page 12	cnage Y501 (4 pin to 2 pin)
96/10/12		
96/10/12		PCB:2.0 CIRCUIT DSN CAHNGE to PCB:1.0
	ONLY C	HANGE page 13 remove PWM solution, ADD linear solutin
		remove C301~~C308 (EMI solution for FBVDDQ)
96/10/17	1 - 3 -	
96/10/18	page 14	add C301~~C308 (EMI solution for FBVDDQ)
History 20		
96/10/03	page 14	remove FBVDDQ-LINNEAR block, add FBVDDQ-PWM function
00/40/05		change L15 footprint as CHK4417C_3R3S01, change C35 footprin
96/10/05 96/10/09	page 12 page 11	cahnge Y501 (4pin to 2 pin) add FM1~~ FM6 for Fiducial Point
90/10/09	page 11	add U301~~ Pilo for Fiducial Point
	page 13	
	page 13	
96/10/10	page 13	add L30
96/10/11	page 13	remove L10

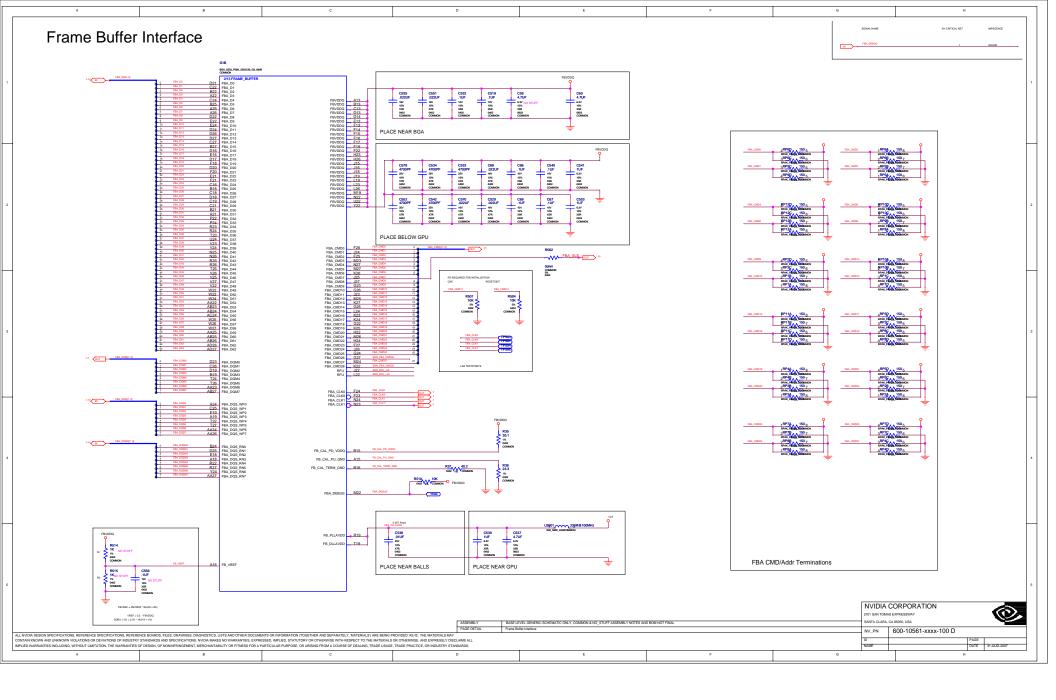
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Ι	BKU	VARIANT	NVPN	ASSEMBLY
ı	В	BASE	600-10561-xxxx-100	BASE LEVEL GENERIC SCHEMATIC ONLY, COMMON & NO_STUFF ASSEMBLY NOTES AND BOM NOT FINAL
П	1	SKU0000	600-10561-0000-100	P581: G98-300, 64 BiT DDR2 16Mx16 MEMDRY, VGA+DVI+HDoxt
	2	SKU0001	600-10561-0001-100	P581: G98-300, 64 BIT DDR2 32Mx16 MEMORY, VGA+DVI+HDout
П	3	SKU0997	600-10561-0997-100	P561: G98-300, 64 BIT DDR2 32MX16 MEMORY, VGA+DVI+HDOUT
П	4	SKU0997	600-10561-0997-200	P561: G98-300, 64 BIT DDR2 32MX16 MEMORY, VGA+DVI+HDOUT
П	5	SKU0001	600-10561-0001-200	P561: G98-300, 64 BIT DDR2 32MX16 MEMORY, VGA+DVI+HDOUT
	6	<undefined></undefined>	<undefined></undefined>	-UNDEFINED>
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П	10	<undefined></undefined>	<undefined></undefined>	-UNDEFINED>
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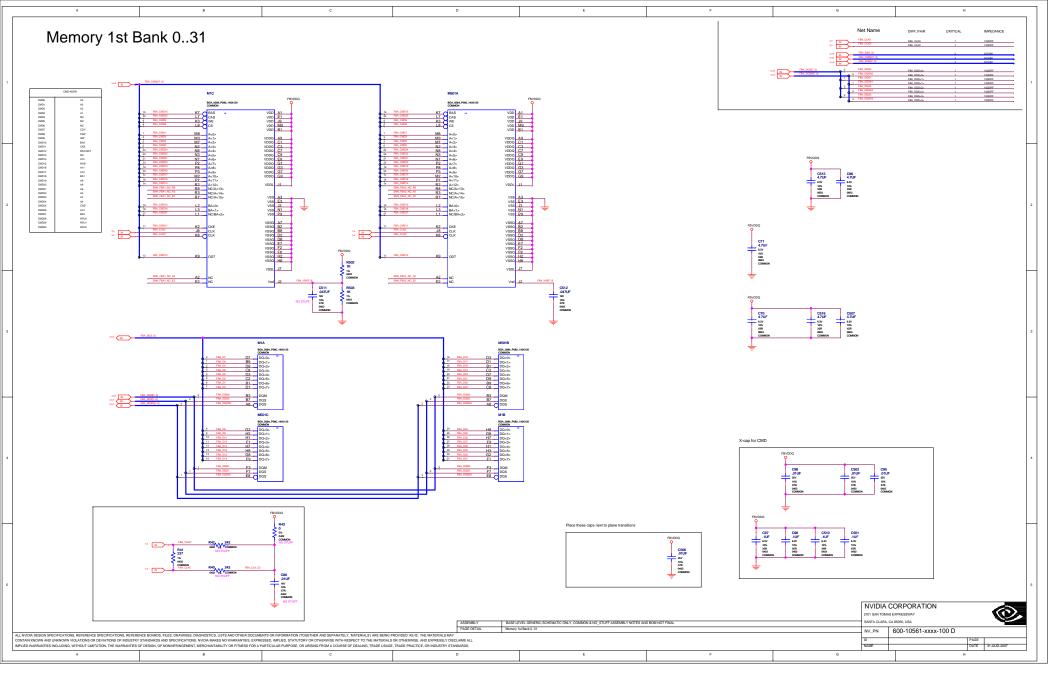
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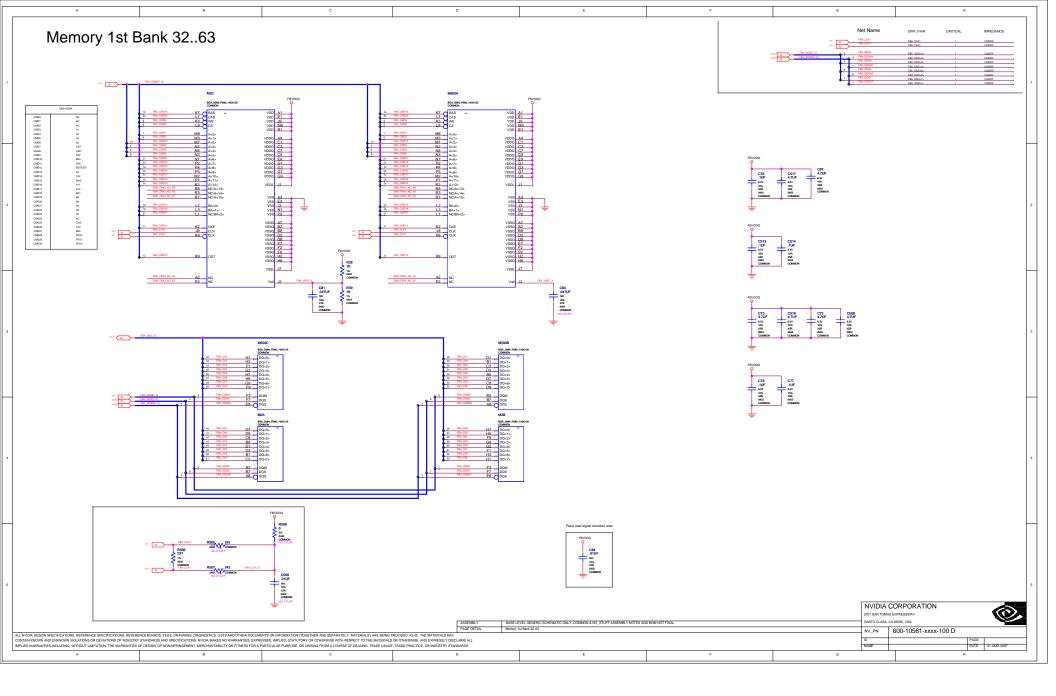
REV HISTORY

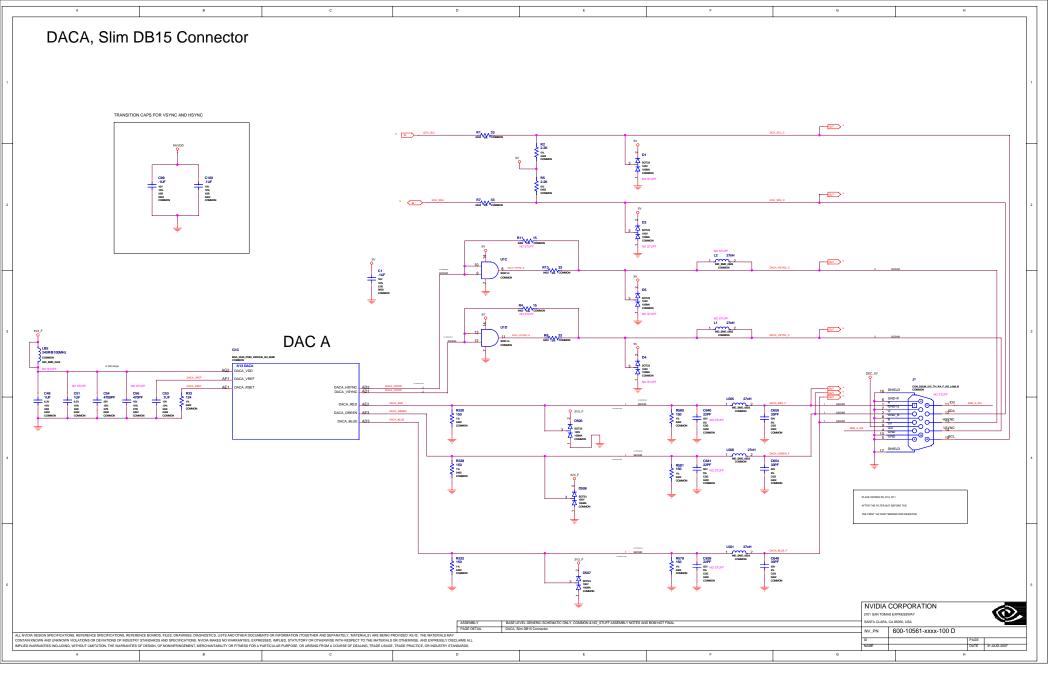
96/10/17 page 11 add cable

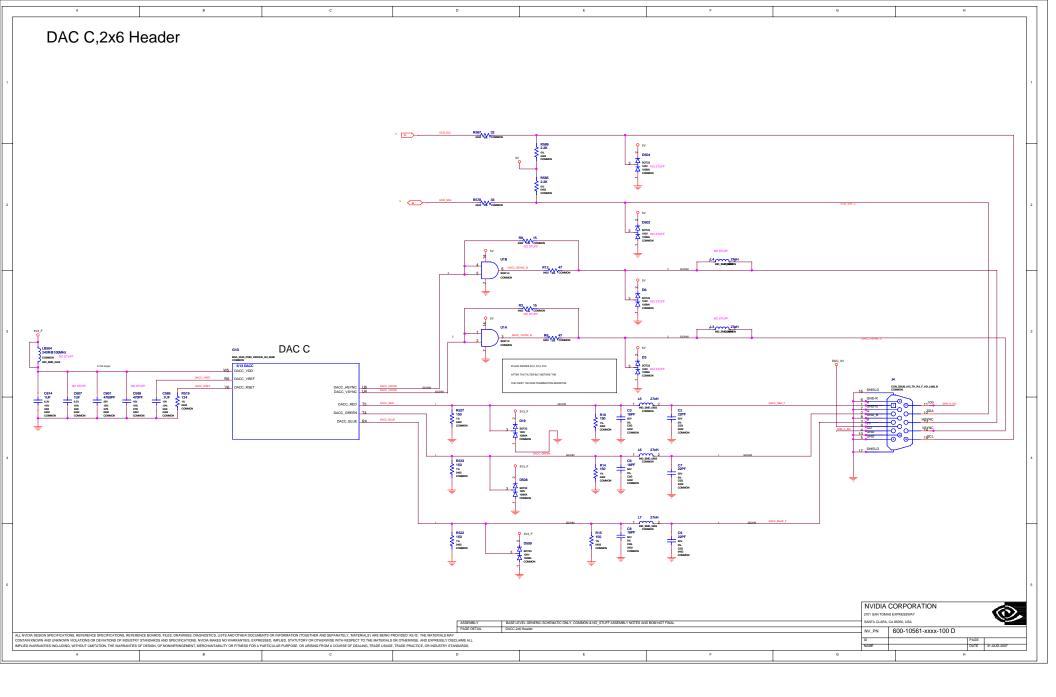


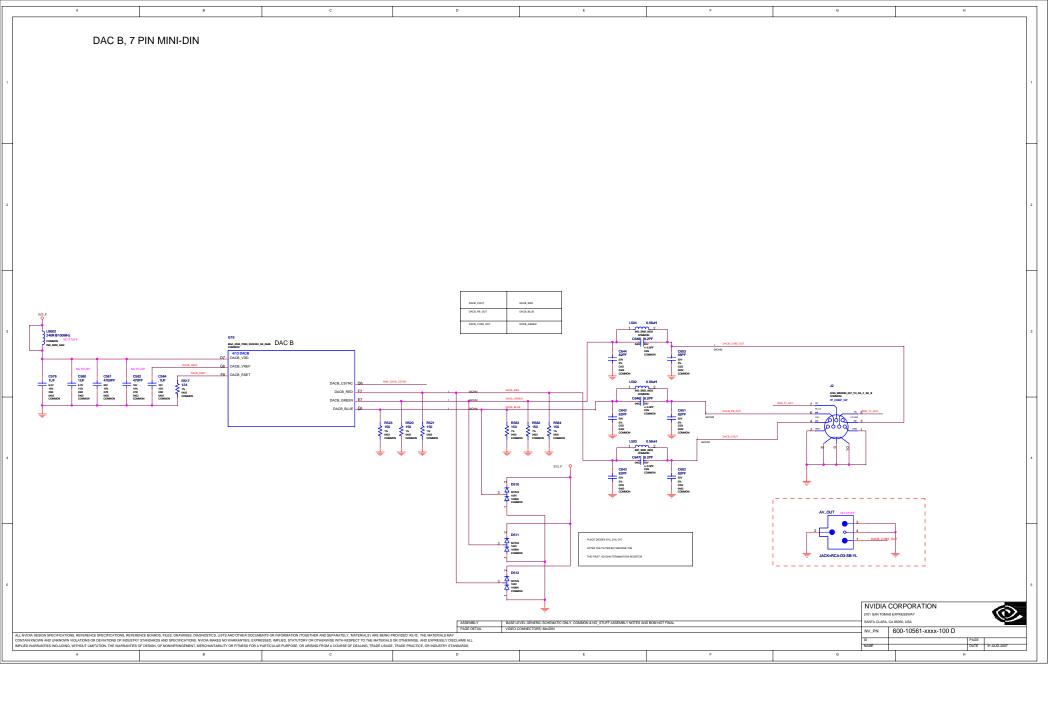


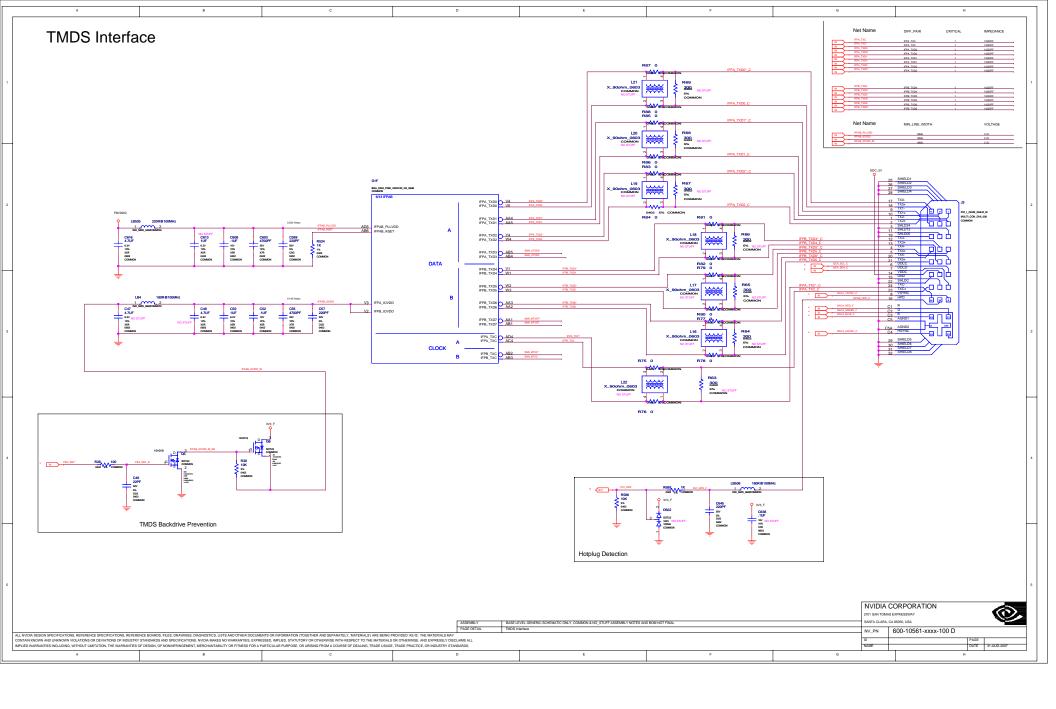


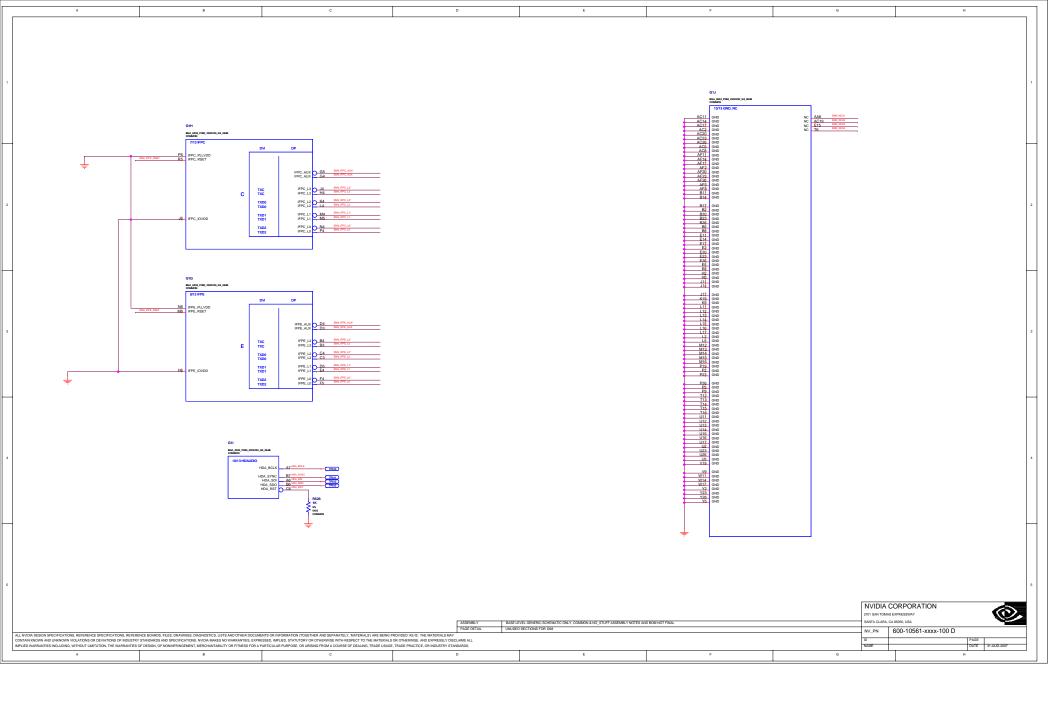


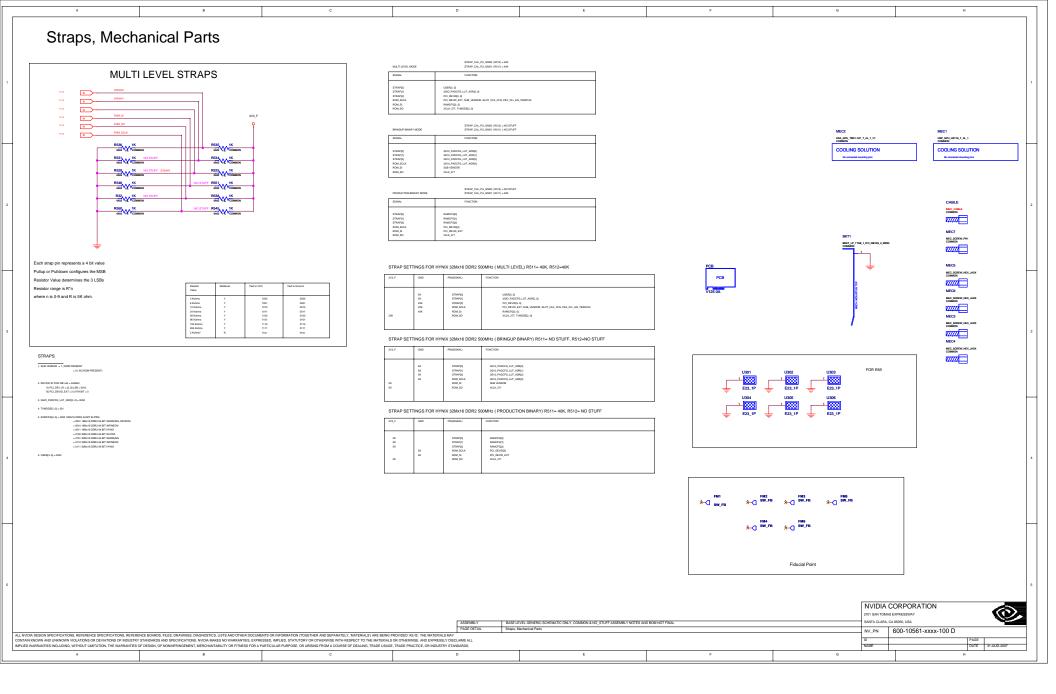


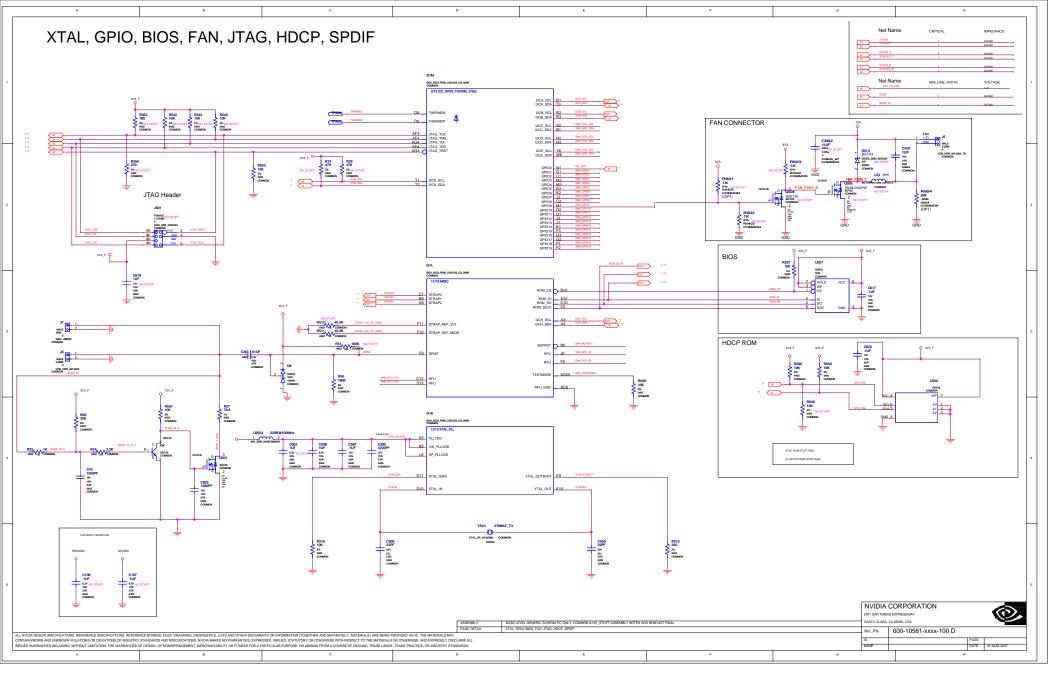


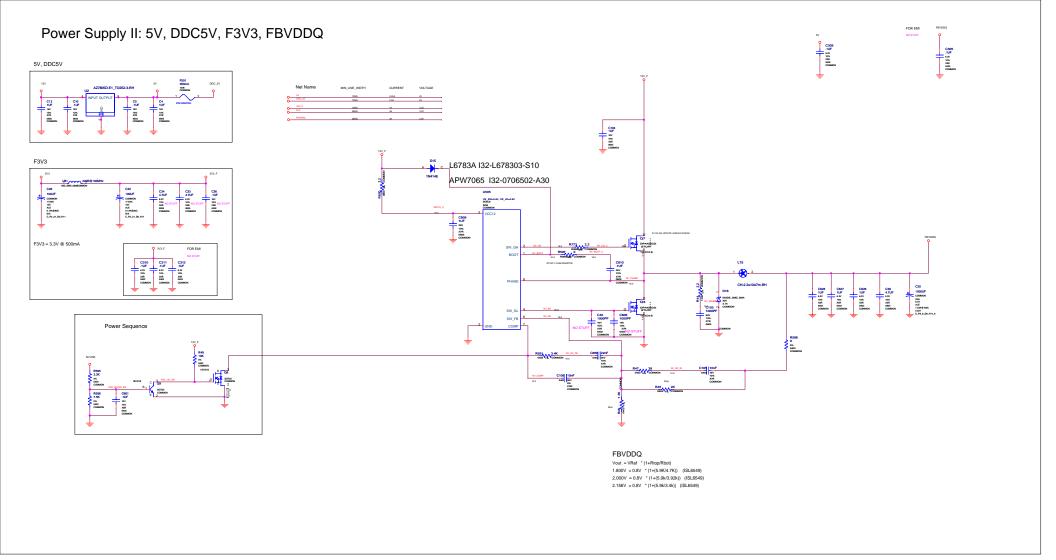












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	Title: Basenst Report	5.28.5.2C	FBA_DQS<1> 3.48 4.1G 4.48	PEX_RX3* 2.3C 2.4Ac	PS1_12V_EN* 13.48	SNN_J2CD_SDA 12.1E		
- 1 1	Design: p561	FBA_CMD<19> 33C 33F 42B 42C	FBA_DQS-2> 3.48 4.1G 4.4D	PEX_RX4 2.3C 2.4Ac	PS1_FS_DIS 13.4C	SNN_IZCE_SCL 12.2E		
- 1 1	Date: Aug 15 1:38:59 2007	5.28.5.2C	FBA_DQSc3> 3.48 4.1G 4.4D	PEX_RX4* 2.3C 2.4Ac	PS1_LD0_DR_FB 13.4C	SNN_IZCE_SDA 12.2E		
- 1 1	Base neb and synonyma for	FBA_CMD-20> 33C 33F 42B 42C 52B 52C	FBA_DOS-4> 3.48.5.1G.5.48 FBA_DOS-5> 3.48.5.1G.5.48	PEX.RXS 2.3C 2.5Ac PEX.RXS' 2.3C 2.5Ac	PS1_NV/DD_BOOT 13.3D PS1_NV/DD_CP 13.4D	SNN_IFPC_AUX 10.2C SNN_IFPC_AUX* 10.2C		
- 1 1	Base nets and synonyms for p561_lb.P561(@p561_lb.p561(sch_1))	528 52C FBA_CMD-21> 33C 33G 428 42C	FBA_DQS-d> 3.48.51G.5.48 FBA_DQS-d> 3.48.51G.5.4D	PEX_RXS 2.3C 2.5Ac PEX_RXS 2.3C 2.5Ac	PS1_NVDD_DR 13.4E	SNN_IFFC_LO 10.2C		
- 1 1	Base Signal Location (Zone)[dir])	528 52C	FBA_DQS-7> 3.48 5.1G 5.4D	PEX_RX8* 2.3C 2.5Ac	PSI_NV/DD_FB 13.4D	SNN_IFPC_LO* 10.2C		
. 1 1		FBA_CMD<22> 33C 33G 42B 42C	FBA_DQSN-co 3.48 4.1G 4.48	PEX_RX7 2.3C 25Ac	PS1_NVVDD_LG 13.4D	SNN_IFPC_L1 10.2C		1.11
. H	1V1 13.1F 3V3 14.1G 3V3,F 14.1G	FBA_CMD<23> 33C34F42B42C	FBA_DQSN<7.0> 34Ao 4.1G<4.4Ao	PEX_RX7* 2.3C 2.5Ac	PS1_NV/00_LG_0 13.4E	SNN_FFC_L1* 10.2C		1.1
- 11	3V3 14.1G	528 52C	5.1Gc 5.4Ac	PEX_RXB 2.4C 2.5Ac	PS1_NVVDD_PHASE 13.3E	SNN_IFPC_L2 10.2C		
- 11	3V3_F 14.1G 5V 14.1G	FBA_CMD<28> 33C3.4F4.28.42C FBA_CMD<28> 33C3.4G4.18.4.1C	FBA_DQSN-c1> 3.48 4.9G 4.4B FBA_DQSN-c2> 3.48 4.9G 4.4D	PEX_RX8* 2.4C 2.5Ac PEX_RX9 2.4C 2.5Ac	PS1_NV/DD_RC 13.4F PS1_NV/DD_RC_FB 13.4D	SNN_IFPC_L2* 10.2C		
- 1 1	5V 14.1G 12V 13.1F	FBA_CMD-255 33C34G4.1B4.1C 5.1B.5.1C	FBA_D03N-25 3.48 4.1G 4.4D FBA_D03N-25 3.48 4.1G 4.4D	PEX_RX9 2.4C.25Ac PEX_RX9" 2.4C.25Ac	PS1_NVVDD_RC_PB 13.40 PS1_NVVDD_RC_IN 13.4F	SNN_IFFC_L3 10.00 SNN_IFFC_L3* 10.00		
- 1 1	12V_F 13.1F	FBA_CMD<27> 13C 34G 42B 42C	FBA_DQ\$Noto 3.48.5.1G.5.4B	PEX_RX10 2.4C.2.5Ac	PS1_NV/DD_UG 13.3D	SNN_IFPC_RSET 10.2A		
- 11	12V_P82_R 14.2C	5.28 5.2C	FBA_DQ9N<5> 3.48 5.1G 5.48	PEX_RX10" 2.4C.2.5Ac	PS1_NV\DD_UGR 13.3E	SNN_IFPE_AUX 10.3C		
- 1 1	12V_R 13.3C	FBA_D<0> 3.18.4.38	FBA_DQ\$N<6> 3.48.5.1G.5.4D	PEX_RX11 2.4C 2.5Ac	PS1_PVCC5_DRV 13.3D	SNN_IFPE_AUX* 10.3C		
- 1 1	DACA_BLUE_F 6.4C DACA_BLUE_F 6.4G>9.3G<	FBA_Dct2.6: 43Ao 3.1Ao 4.1Gc.5.3Ao	FBA_DQSN-7> 3.48.5.1G.5.4D FBA_PLIAVDD 3.5C	PEX_RX11' 2.4C.2.5Ac PEX_RX12 2.4C.2.5Ac	PS1_VCCS 13.3C PS2_12V_EN 14.4A	SNN_IFPE_L0 10.3C SNN_IFPE_L0* 10.3C		
- 1 1	DACA_BLUE_F 6.4G>9.3G DACA_GREEN 6.4C	11A041Gc53A0 FBA Dd5L0: 11A041Gc53A0	FBA_PLLAVDD 3.5C FBA_VREF_A 5.3C.5.3E	PEX_RX12 2.4C.2.5Ac PEX_RX12* 2.4C.2.5Ac	PS2_12V_EN 14.4A PS2_FBVDD_BOOT_14.3D	SNN_IPPE_L0* 10.3C SNN_IPPE_L1 10.3C		
_ 1	DACA_GREEN_F 63G>93G<	FBA_Dct> 3.18 o 4.1Gc 5.1A o FBA_Dct> 3.1B 4.3B	FBA_VREF_B 4.3C 4.3E	PEX_RX12	P52_FBVDD_BD0T 14.3D P52_FBVDD_CP 14.4D	SNN_IPPE_L1* 10.3C		
- 11	DACA_HSYNC 63C	FBA_D<2> 3.18.4.38	FBVDDQ 14.1G	PEX_RX13* 2.5A<2.5C	PS2_FBVDD_FB 14.3D	SNN_IFPE_L2 10.3C		
- 1 1	DACA_HSYNC_B 62D	FBA_D<2> 3.18.4.38	FB_CAL_PD_VDDQ 3AC	PEX_RX14 2.5A<2.5C	PS2_FBVDD_LG 14.3D	SNN_IFPE_L2* 10.3C		
	DACA_HSYNC_C 62G> 9.3G<	FBA_Dolo 3.18.4.38	FB_CAL_PU_GND 3.4C	PEX_RX14" 2.5A< 2.5C	PS2_FBVDD_PHASE 14.3D 14.3E 14.3F	SNN_IFPE_L3 10.3C		
	DACA_RED 6.4C	FBA_D<5> 3.18.4.38	FB_CAL_TERM_GND 3.4C	PEX_RX15	PS2_FBVDD_RC 14.3F	SNN_IFFE_L3* 10.3C		
	DACA_RED_F 6.3G> 9.3G< DACA_RSET 6.3B	FBA_D<5> 3.18 4.38 FBA_D<7> 3.18 4.38	FB_VREF 3.5B GND_SENSE 2.4F	PEX_RX15" 2.5A-2.5G PEX_SMCLK 2.1G	PS2_FBVDD_RC_FB 14.4D PS2_FBVDD_RC_IN 14.4F	SNN_IFPE_RSET 10.3A SNN_NC01 10.1G		-1
	DACA_VREF 6.3B	FBA_Dob 3.18.4.48	GND_SENSE 2.4F GPU_PLLVDD 12.1G<-12.4C	PEX_SMCLK 2.1C PEX_SMDAT 2.1C	PS2_FBVDD_UG 14.3D	SNN_NC01 10.1G SNN_NC02 10.1G		
	DACA VSYNC 63C	FBA Dc9> 3.18.448	GPU_TESTMODE 12:3E	PEX_TSTCLK 2.2Ac	PS2_FBVDD_UGR 14.3E	SNN_NC03 10.1G		
	DACA_VEYNC_C 63G-93G- DACA_VEYENC_B 63D	FBA_D<10> 3.18 4.48	HDA_BCLK 10.4C	PEX_TSTCLK* 2.2Ac	PS2 FS DIS 143C	SNN NC04 10.1G		
2	DACA_VSYSNC_B 6.3D	FBA_D<15 3.18 4.48	HDA_RST 10.4C	PEX_TSTCLK_OUT 2.5F	PS2_LDO_DR_FB 14.3C	SNN_PEX_WAKE* 2.2C		2
	DACB_COUT 8.4F	FBA_D<12> 3.18 4.48 FBA_D<13> 3.18 4.48	HDA_SDI 10.4C HDA_SDO 10.4C	PEX_TSTOLK_OUT* 2.9F PEX_TXD 2.2Ax 2.2E	PS2_NVVDD_EN 14.4A PS2_PVCC5_DRV 14.3D	SNN_PE_PRISNT2_A 2.15 SNN_PE_PRISNT2_B 2.25		
	DACS_CVBS_OUT 8.3F8.4G	FBA_Dc146 3.18 4.48	HDA_SYNC 10.4C	PEX_TX0" 2.2A< 2.2E	PS2_VCCS 14:30	SNN_PE_PRSNT2_C 2.3B		-1
	DACE_GREEN 8.4D	FBA_D<15> 3.28 4.48	IZCA_SCL 6.1D<12.1E>	PEX_TXI 22A<22E	ROM_CS* 12.3F	SNN_PE_RSVD2 228		
	DACB_PB_OUT 8.4F	FBA_D<16> 3.28 4.30	DCA_SCL_C 6.1G> 9.2G<	PEX_TX1* 2.2A<2.2E	ROM_SCLK 11.1A< 11.1A< 12.2F>	SNN_PE_RSVD3 2.28		
	DACB_RED 8:3D	FBA_D<17> 3.28 4.3D	IZCA_SDA 62D-> 12.1E->	PEX_TX2 2:2Ac 2:2E	12.2% 12.2%	SNN_PE_RSVD4 228		
	DAGB_RSET 8.38	FBA_D<18> 3.28.43D	ECA_SDA_C	PEX_TX2" 2.2A< 2.2E	ROM_SI 11.1Ac 12.3F5	SNN_PE_RSVDS 2.28		
	DACE_VREF 8.3B DACC_BLUE 7.4C 7.4E	FBA_D<10> 3.28 4.3D FBA_D<20> 3.28 4.3D	IDCB_SCL 7.10<12.1E> IDCB_SCL_C 7.1F	PEX_TX3 22A:23E PEX_TX3' 2:2A:23E	12.3F> 12.3F> ROM_SQ 11.1Ac 11.1Ac 12.3F>	SNN_PE_RSVD6 2.38 SNN_PE_RSVD7 2.48		-1
	DACC_BLUE_F 7.4F	FBA_D<21> 3.28 4.3D	ECB_SDA 72D-012.1E-0	PEX_TX4 22A<23E	12.3F> 12.3F>	SNN_PE_RSVD8 2.48		-1
	DACC_GREEN 7.4C.7.4E	FBA_D<25 3.28 4.30	DCB_SDA_C 7.2F	PEX_TX4" 2.2A< 2.3E	SNN_3V3AUX 2.1B	SNN_RFU_AE9 2.2E		\square
- 11	DACC_GREEN_F 7.4F	FBA_D<23> 3.28 4.3D	IZCH_SCL 12:35-12:3F<	PEX_TX5 2:2A<2:3E	SNN_ATXID3 9.2E	SNN_RFU_AG9 2.5F		
- 11	DACC_HSYNC 7.3C	FBA_D-246 3.28 4.40	IDCH_SDA 12.3E-o 12.3F-o	PEX_TXS* 2.2A< 2.3E	SNN_ATXD3" 9.2E	SNN_RFU_C15 12.3C		
- 11	DACC_HSYNC_B 7.2D DACC_HSYNC_C 7.2F	FBA_D-225	DCS_SCL 2.1E-o 12.2C-o DCS_SDA 2.1E-o 12.2C-o	PEX_TXS 22A<23E PEX_TXS 22A<23E	SNN_A_ID0 64H SNN_A_ID2 64G	SNN_RFU_D15 12:3C SNN_RFU_F6 12:3E		
- 11	DACC_HSYNC_C 7.2F DACC_RED 7.4C7.4E	FBA_D-275 3.28 4.4D FBA_D-275 3.28 4.4D	ECS_SDA 2.1E-> 12.2C-> EPAB_HPD_C 9.3G	PEX_TXE	SNN_ATXC 9.3E	SNN_RFU_F6 12:3E SNN_RFU_J5 12:3E		
- 11	DACC_RED_F 7.4F	FBA_D-226 3.28 4.4D	FPAB_JOVDD 9.1G< 9.3C	PEX_TXT 2.2A<2.3E	SNN_BTXC* 9.3E	SNN_RFU_IZZ 1.3C		
- 11	DACC_RSET 7.38	FBA_D-29> 3.28 4.4D	IFPAB_IOVCO_IN 9.2G< 9.38	PEX_TXS 2.3A< 2.4E	SNN_BTXD7 9.3E	SNN_RFU_L22 3.3C		
- 11	DACC_VREF 7:38	FBA_D<30> 3.28 4.4D	IFPAB_IOVDD_IN_EN 9.4B	PEX_TX8* 2.3A< 2.4E	SNN_BTXD7* 9.3E	SNN_TV_NC1 8.4G		
- 11	DACC_VSYNC 73C	FBA_D<31> 3.28 4.4D	FPAB_PLLVDD 9.1Gc 9.2C	PEX_TX9 2:3A<:2AE	SNN_BUFRST* 12.3E	SNN_TV_NC2 8.4G		
3	DACC_VSYNC_B 7.3D DACC_VSYNC_C 7.3F	FBA_D<23> 3.28 5.38 FBA_D<23> 3.28 5.38	FPAB_RSET 9.2C FPA_TXC 9.1G<9.3E 9.3G	PEX_TXI0" 2.3A< 2.4E PEX_TXI0 2.3A< 2.4E	SNN_DACB_CSYNC 8.3C SNN_FBA1_NC_A2 4.3B	SPD# 12.1Gc 12.3C SPD#_IN 12.1Gc 12.3A 12.3A		3
·	DDC_SV 14.1G	FBA D-246 328 538	FPA_TXC* 9.1G< 9.3E 9.3G	PEX_TX10* 2.34<2.4E	SNN_FBA1_NC_E2 43B	SPDF IN C 124A		1 1
- 11	DVI_HPD 9.3E> 12.2E<	FBA_D<35> 3.28.5.38	FPA_TXD0 9.1Gc 9.2E 9.2G	PEX_TX11 2.3A<2.4E	SNN_FBA1_NC_R3 42B	SPDIF_IN_G 12.48		
- 11	DVI_HPO_F 9.3F	FBA_D<36> 3.28.5.28	FPA_TXD0* 9.1G<9.2E9.2G	PEX_TX11" 2.3A<2.4E	SNN_FBA1_NC_R7 42B	SPDIF_IN_G_C 12.4A		
- 11	FBA_CLK0 3:30>3:30 4:1G<	FBA_D<37> 3.28 5.38	FPA_TXD1 9.1G< 9.2E 9.2G	PEX_TX12 2.3A< 2.4E	SNN_/BA1_NC_R8 428	SPDIF_T_GND 12.48		
- 11	42A<42C<45B< FBA_CLK07 33D3AD>41G<	FBA_D<38> 3.28 5.38 FBA_D<30> 3.28 5.38	FPA_TXD1* 9.1G: 9.2E 9.2G FPA_TXD2 9.1G: 9.2E 9.2G	PEX_TX12* 2.3A< 2.4E PEX_TX13 2.3A< 2.5E	SNN_FBA2_NC_A2 4.3C SNN_FBA2_NC_E2 4.3C	STRAP0 11.1Ac 11.1Ac 12.3C> STRAP1 11.1Ac 11.1Ac 12.3C>		
- 11	42A<42C<45B<	FBA_D<00 128548	FPA_TXD2* 9.1G< 9.2E 9.2G	PEX_TX13* 2.3A<2.5E	SNN_FBA2_NC_FS 42C	STRAP2 11.1Ac 11.1Ac 12.3C>		
- 11	FBA_CLK1 33D.3.4D> 5.1G<	FBA_D+41> 3.28.548	FPB_TXD4	PEX_TX14	SNN_FBA2_NC_R7 4.2C	STRAP_CAL_PU_GND0 12:3C		
- 11	5.2A < 5.2C < 5.5B <	PBA_D<42> 3.28 5.48 PBA_D<43> 3.28 5.48	FPB_TXD4" 9.1G< 9.2E 9.2G	PEX_TX14* 2.3A<2.5E	SNN_/BA2_NC_R8 42C	STRAP_CAL_PU_GND1 12:3C		
- 11	FBA_CLK1* 33D3AD>51Gc	FBA_D+43> 3.28 5.48	FPB_TXD5 9.1G< 9.2G 9.3E	PEX_TX15 2.3A< 2.5E	SNN_/BA3_NC_A2 5:38	THERMDA 12.1C		
	5:2A<5:2C<5:58 FBA_CLK_CO 4:58	FBA_D<46- 3.28.5.48 FBA_D<45- 3.38.5.48	FFB_TXD5* 2.1G-2.2G-2.2E FFB_TXD6 2.1G-2.2G-2.2E	PEX_TX15* 2.3A<2.5E PEX_TXX0 2.2C.2.3A<	SNN_FBA3_NC_E2 53B SNN_FBA3_NC_R3 52B	THERMOC 12.1C XTALIN 12.1G< 12.4C		H
- 11	FBA_CLK_C1 5:58	FBA_D-665 3.38 5.48 FBA_D-665 3.38 5.48	FPB_TXD6 9.1G<9.2G 9.3E FPB_TXD6' 9.1G<9.2G 9.3E	PEX_TXX0 2.2C.2.3Ac PEX_TXX0' 2.2C.2.3Ac	SNN_FBA3_NC_F3 528 SNN_FBA3_NC_F7 528	XTALIN 12.1Gc 12.4C XTALIN_B 12.1Gc		
- 11	FBA CMD-03 32C 32F 42B 42C	FBA_D-47> 3.38 5.48	JTAG_TCLK 2.1E-o 12.1A-o	PEX_TXX1 2.2C 2.3Ac	SNN_FBA3_NC_RB 52B	XTALIN_T 12.1Ge		
- 11	FBA_CMDx0> 3.2C 3.2F 4.2B 4.2C FBA_CMDx27.0> 3.2D> 4.1A< 4.1G<	FBA_D<48> 3.38 5.3D	12.1Ao	PEX_TXX1" 2.2C 2.3Ac	SNN_FBA4_NC_A2 5.3C	XTALOUT 12.1Gc 12.4E		
- 11	5.1Ac	FBA_D+49> 3.38 5.3D	JTAG_TCLK_PEX 2.1C	PEX_TXX2	SNN_FBA4_NC_E2 53C	XTALOUTBUFF 12.4E		
	FBA_CMD<1> 3.2C 3.2F 4.1B 4.1C	FBA_D<50> 3.38 5.3D	JTAG_TDI 2.1E-o 12.2A-o	PEX_TXX2* 2.2C.2.3Ac	SNN_FBA4_NC_R3 52C SNN_FBA4_NC_R7 52C	XTALOUT_B 12.1G<		-1
	5.18.5.1C FBA_CMD-2> 3.2C 3.2G 4.18.4.1C	FBA_D<51> 3.38 5.3D FBA_D<52> 3.38 5.3D	12.2A-o JTAG_TDIO_PEX 2.1C	PEX_TXX3 2.3A<2.3C PEX_TXX3 2.3A<2.3C	SNN_FBA4_NC_RF 5.2C SNN_FBA4_NC_RB 5.2C	XTALOUT_T 12.1Gc XTALSSIN 12.4C		-1
	FBA_CMD<2> 32C 32G 41B 4.1C FBA_CMD<2> 32C 32G 41B 4.1C	FBA_D-535 338 53D FBA_D-535 338 53D	JTAG_TDIO_PEX 2.1C JTAG_TDIO 2.1E-o-12.2A-o	PEX_TXX3* 2.3A<2.3C PEX_TXX4 2.3A<2.3C	SNL/BALNC/B 52C SNL/BA_CMD7 33C			
	5.18.5.1C	FBA_D<546 3.38 5.3D	12.2Ao	PEX_TXX4" 2.3A< 2.3C	SNN_FBA_CMD26 3.3C			-1
4	FBA_CMD+4> 3.2C 3.2F 5.2B 5.2C	FBA_D-55> 3.38 5.3D	JTAG_TDO_PEX 2:1C	PEX_TXXS 2:3A<2:3C	SNN_FBA_CM028 3.3C			4
	FBA_CMD-65 32C 32F 52B 52C FBA_CMD-65 32G 33C 52B 52C	PBA_D<55> 3.38 5.40 PBA_D<57> 3.38 5.40	JTAG_TMS 2.1E-o.12.1A-o	PEX_TXX5" 2:34<2:30 PEX_TXX6 2:34<2:30	SNN_GPI00 12.2E SNN_GPI02 12.2E			
	FBA_CMD-65 32G 33C 52B 52C FBA_CMD-85 32G 33C 41B 4.1C	FBA_D<57> 3.38.5.4D FBA_D<58> 3.38.5.4D	JTAG TMS PEX 2.1C	PEX_TXXE 2.3A<2.3C PEX_TXXE 2.3C 2.4A<	SNN_GPI02 12.2E SNN_GPI03 12.2E			
	5.18.5.1C	FBA_D<59> 3:38:540	JTAG_TRST* 2.1E-0 12.2A-0	PEX_TXX7 2.3C 2.4Ac	SNN_GPI04 12.2E			
	FBA_CMD-9> 3.2F 3.3C 4.1B 4.1C	FBA_D-60> 3.38 5.4D	12.2Aco	PEX_TXXP 23C24Ac	SNN_GPI05 12.2E			-1
	5.18.5.1C	FBA_D<61> 3.38 5.40	JTAG_TRST_PEX* 2.1C	PEX_TXXB 2.4A<2.4C	SNN_GPI06 12.2E			-1
	FBA_CMD<10> 3.0C3.3F 4.2B 4.2C 5.2B.5.2C	FBA_D-625 3.38 5.40 FBA_D-625 3.38 5.40	NV/DD 13.1F NV/DD SENSE 2.4F	PEX_TXX8" 2.4A<2.4C PEX_TXX9 2.4A<2.4C	SNN_GPIOT 12.2E SNN_GPIOS 12.2E			
	5285.2C FBA CMC-(1> 3.3C 3.3D 4284.2C	FBA_D-605 3.38.5.4D FBA_DEBUG 3.1G-c3.4C	NV/DD_SENSE 2.4F PEX PLIDIOD 2.5F	PEX_TXX9	SNN_GPIOS 12.2E SNN_GPIOS 12.2E			
	FBA_CMD<11> 3.3C 3.3D 4.2B 4.2C 5.2B 5.2C	FBA_DDM-05 338 438	PEX_PRINT 2.18	PEX_TXX9' 2.4A< 2.4C PEX_TXX10 2.4A< 2.4C	SNN_GPI010 12.2E SNN_GPI010 12.2E			
ЩI	FBA_CMD<12> 3.3C 3.3D 4.2B 4.2C	FBA_DQMc7.00 33As-4.1Gc-4.4Ac	PEX_REFCLK 2.2C 2.5A<	PEX_TXX10" 2.4A<2.4C	SNN_GPI011 12.2E			\square
	52B 52C	5.4Ac	PEX_REFCLK* 22C 2.5A<	PEX_TXX11 2.4A<2.4C	SNN_GPI012 12.2E			
	FBA_CMD-t3> 3.2G.3.3C.5.18.5.1C FBA_CMD-t4> 3.3C.3.3G.428.4.2C	FBA_DOM<1> 338.448 FBA_DOM<2> 338.43D	PEX_RST 2.20> 2.40 PEX_RST R 9.40	PEX_TXX111	SNN_GPI013 12.2E SNN_GPI014 12.2E			
	FBA_CMD<14> 3.3C 3.3G 4.2B 4.2C 5.2B 5.2C	FBA_DQM<2> 338 43D FBA_DQM<3> 338 44D	PEX.RSVD 2.5F	PEX_TXX12	SNN_GPI014 12.2E SNN_GPI015 12.2E			
	52B 5.2C FBA_CMD<15> 3.3C 3.3F 4.1B 4.1C	FBA_DDM-cb 338.538 FBA_DDM-cb 338.538	PEX_RSVD 2.5F PEX_RSVD 2.2C.2.4Ac	PEX_TXX12* 24A<2.4C PEX_TXX13 2.4A<2.5C	SNN_GPI016 12.2E SNN_GPI016 12.2E			
	5.1B.5.1C	FBA DOM-5> 338548	PEX_RX0" 2.2C 2.4Ac	PEX_TXX13" 2.4A<2.5C	SNN_GPI017 12.2E			
	FBA_CMD:16> 3.3C 3.3F 4.2B 4.2C	FBA_DQM-6> 33853D	PEX_RX1 2.2C 2.4A<	PEX_TXX14 2.4A< 2.5C	SNN_GPI018 12.2E			
	5285.2C	FBA_DQM<7> 338.54D	PEX_RX1" 22C 2.4A<	PEX_TXX14" 2.4A<2.5C	SNN_GPI019 12.2E			
	FBA_CMD<17> 3.3C 3.3G 4.2B 4.2C 5.2B 5.2C	FBA_DGS-(7.0> 3.48 4.1G 4.48 FBA_DGS-(7.0> 3.4A-> 4.1G 4.4A->	PEX_R02 2.2C.2.4Ac PEX_R02* 2.2C.2.4Ac	PEX_TXX15	SNN_DCC_SCL 12.1E SNN_DCC_SDA 12.1E			
5	528 52C FBA CMD<85 33C 33G 428 42C	FBA_DGS<7.00 3.4Ao 4.1G<4.4Ao 5.1G<5.4Ac	PEX_RX2 22C2.4Ac PEX_RX3 23C2.4Ac	PEX_TXX15* 24A<2.5C PS1 3V3 EN 13.4A	SNN_DCC_SDA 12.1E SNN_DCD_SCL 12.1E			5
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	Title: Cref Part Report	C94 [4.4F] C95 [4.4G]		C584 [8.38] C585 [7.48]	DS11 [8:5D] DS12 [8:5D]	R19 [13.4A] R20 [13.4A]	R571 (13.3E) R574 (13.3D)						
. 11	Design: p561 Date: Aug 15	C95 [4:5G] C97 [4:5F]		C586 [2.1H] C587 [2.1G]	F501 [14.18] G1 [2.3F] G1 [3.3C]	R21 [2.10] R22 [2.10]	R575 [13.3C] R576 [13.48] R577 [13.4F]						
. 11	1:38:59 2007	C95 [4:56] C97 [4:5F] C98 [4:4G] C99 [6:2B] C100 [5:2B]		C588 [2:2G] C589 [7:4A]	G1 [3.3C]	R23 [13.4G] R24 [12.4A]	R577 [13.4F]						
		C100 [6.28]		C590 [2:3D]	G1 [6.4C] G1 [7.4C] G1 [8.3C]	R25 [12.4A]	PESTS [7:20] PESTS [6:5F]						
1	BKT1 [11:3G] C1 [6:3C]	C103 [14.4F] C104 [14.3E] C105 [14.4G] C105 [14.4G] C107 [12.5A] C108 [12.5A]		C591 [2:3D] C592 [2:3D]	G1 [9.3D]	R25 [12.4A] R27 [12.4B]	R500 (6.4F)						1
	C2 [74F] C3 [74E]	C105 [14.4G]		C593 [2:30]	G1 [10.48 10.38 10.28 10.3F]	R2B [9:4A] R29 [12:2C]	R582 (8.45)						
	C4 [14.18] C5 [14.18]	C107 [12.5A]		C595 [12:4C] C596 [2:1G]	G1 [12.4D 12.2D	R30 [9.48] R31 [12.2C]	9584 (8.4E) 9585 (7.2E)						
	CS [14.18] CS [7.4E] C7 [7.4F]	C108 [12.5A] C501 [4.5G]		C595 [2.1G] C597 [12.4C] C595 [12.4C]	12.30) J1 [6.4H] J2 [8.4G]	R31 [12.2C] R32 [11.2A] R33 [6.4B]	R585 [7.25] R586 [9.35] R587 [7.10]						
	C7 [7.4F] C8 [7.5E]	C501 [4.5G] C502 [4.4G] C503 [4.3G] C504 [4.2f]		C598 [12.4C] C599 [9.2C]	.12 (8.4G) .13 (9.2H)	R33 (6.4b) R34 (2.9G)	PS87 (7.1D) PS88 (9.3F)						
	C9 (7.5F)	CS04 [4.28] CS05 [4.28]		C600 [12.5C] C601 [7.4A]	.13 [9.2H] .34 [7.3G] .35 [12.2G]	R36 [3.4D] R36 [3.4D]	R588 [9.3f] R589 [7.35] R590 [12.3G]						
	C10 [14-1A] C11 [13-20] C12 [13-2E] C13 [14-1A] C14 [13-2E]	CS05 [4.3F]		C601 [7.4A] C602 [12.4C] C603 [9.2b]	.15 [12.26] .16 [12.3A]	R36 [3.40] R37 [3.40] R38 [5.30]	R591 [14.4D]						
	C12 [13.2E] C13 [14.1A]	C506 [4.5F] C507 [4.3G] C508 [5.3G] C509 [5.5C]		C604 (2.3G)	.55 [12:34] .501 [12:35] L1 [6:3F] L2 [6:2F]	R39 (5.3C)	REGI [14-AD] REGIZ [14-3E] REGIZ [14-2C] REGIA [14-3C]						
	C14 [13.2E] C15 [13.2E]	C509 [5.5C]		C605 (2.20)	12 [629]	R40 [4.58] R41 [4.58]	R594 [14.3C]						
	C15 [13.2E] C16 [2.18]	C510 [4.5G] C511 [4.3C] C512 [4.3E]		C605 [2.2D] C607 [7.4A]	1.4 [7.27]	842 [4.58]	R505 [14.4A] R506 [14.4A] RP1 [23G.23G.23G						
	C17 [2:18] C20 [13:3F] C22 [12:2G]	CS12 [4:38] CS13 [5:29] CS14 [5:26]		C605 [9.28] C609 [2.3D]	1.3 [7.28] 1.4 [7.28] 1.5 [7.48] 1.6 [7.48] 1.7 [7.58]	R43 [4.5C] R44 [14.3F]	3.30						
	C23 [13.4A]	C514 [5.2G] C515 H.2GI		C610 [2:3D] C611 [2:3D]	L7 [7.5F] L8 [13.2D]	R45 [14.4F] R46 [14.4E]	RP2 [3.4G 3.3G 3.3G 3.2G]						
2	C24 [2:1A] C25 [2:1A]	CS15 [4.2G] CS16 [4.3G] CS17 [5.2G]		C612 [2:30] C613 [2:26]	L8 [13.20] L9 [13.20] L10 [13.30]	R47 [14.4E] R46 [14.4C]	3.2G RP3 13.G 3.3G 3.4G 3.3G						
	C25 [2:14] C26 [2:14] C27 [13.4G]	CS18 [5.3G]		C614 [7.4A]	L11 [13.3G]	R49 [14.48]	RP4 [3.4G.3.3G.3.3G						
	C28 (14.26)	C519 [3.10] C520 [3.20]		C615 [2:3G] C616 [2:2A]	L11 [13.3G] L12 [13.3G] L13 [2.9H]	R50 [12.3C] R51 [12.3C]	3.4G RPS [3.2G.3.3G.3.2G						
	C29 [13.2H] C30 [13.2H]	C517 5.25 C518 5.36 C519 3.10 C520 3.20 C521 2.50 C522 2.50		C617 [12.3G] C618 [2.3G]	L14 [143G]	R501 (3.30) R502 (4.30)	33G RPE [12G32G32G						
	C31 [13.3H] C32 [14.2A]	C523 [2.50]		C619 [12:3A] C620 [2:2b]	L501 [6.5F] L502 [8.5E] L503 [8.4E]	R503 (4.3C) R504 (3.3E)	32G RP7 [3.4G.3.4G.3.4G						
	C33 114.281	C525 [2.50]		C621 [2:20]	L502 [8.3E] L503 [8.4E]	R505 (5.58)							
	C34 (14.28) C35 (14.3H)	C523 [2.50] C524 [2.50] C525 [2.50] C525 [2.50] C527 [2.40]		C622 [12.3G] C623 [2.2D]	L504 [8.3E] L505 [6.4F]	R506 (5.58) R507 (5.58)	3.4G RPE [3.3G.3.3G.3.4G 3.4G						
+1	C36 [14.28] C37 [13.2H]	C528 [2.40] C529 [2.40]		C624 [2:20] C625 [12:46]	L506 [6.4F] L81 [14.2A]	R508 [5.5C] R509 [12.3E]	RP9 [12G32G32G 32G]						\vdash
	C38 [13.2G]	C530 (2.40) C531 (2.40) C532 (3.10)		C626 [13.4G]	LB2 [13.2G] LB3 [13.2G] LB4 [9.3B]	R510 [3.4D]	RP10 [3.2G 3.2G 3.2G						
1	C39 [14.3G] C42 [12.4A]	C531 [2.40] C532 [3.10]		C627 [13.4E] C628 [13.4D]	LB3 [13.2G] LB4 [9.3B]	R511 [123C] R512 [123C]	3.3G RP11 [3.3G 3.3G 3.3G						
	C43 [13.2G] C44 [13.2G]	C533 [3.20] C534 [3.20]		C631 [13.3E] C632 [2.18]	LBS (6.3A) LBS01 (3.5E)	R513 (12.5F) R514 (3.5A)	33G RP12 32G 32G 32G						
	C43 [13.26] C44 [13.26] C45 [12.26] C46 [23.44] C47 [23.34]	CSSS [1.10] CSSS [1.10] CSSS [2.40] CSSS [2.50] CSSS [2.50] CSSS [2.50] CSSS [2.50] CSSS [2.50]		C634 [13.4E] C635 [13.3C]	LB502 (8.3A) LB503 (12.4C)	R515 [3.54] R516 [12.5C]	3.2G TP501 [3.3D]						
	C46 (2:3A)	C536 [2.40] C537 [3.50]		C636 [13.3C]	LB504 [7.3A]	R517 [8.38]	TP501 [3.3D] TP502 [3.3D] TP503 [3.3D]						
3	C48 [9.38] C49 [6.4A]	C538 [3.50] C539 [3.50]		C637 [13.3D] C638 [9.3F]	LBS05 [3.28] LBS06 [3.3F] M1 [4.40.4.28	R518 [2.5G] R519 [7.4B]	TP503 [3.3D] TP504 [3.3D] TP505 [3.4D]						3
	C50 [9:38]	C540 [3.28]		C639 16.5F1		R520 (8.4D) R521 (8.4D)	TP505 [3.40]						
	C51 [6.44] C52 [9.38] C53 [6.48]	C542 [1.20]		C640 [6.4F] C641 [6.4F]	M2 [5:40:5:28	R522 (7.5D)	TP505 [2.4G] TP507 [2.4G] TP508 [12.1G]						
	C53 [6.48] C54 [6.4A] C55 [9.3C]	CS43 [2.40] CS44 [2.27]		C642 [8.45] C643 [8.45] C644 [8.35]	5.4C) M501 [4.3D.4.2D	R523 (8.4C) R524 (9.2C) R525 (11.2b)	TP508 [12.1C] TP509 [12.1C] TP510 [10.4C]						
	C55 [8:3C] C56 [6:4A]	C545 [2.3G] C546 [2.2H]		C645 [8:38] C645 [9:38]	4.4C) M502 [5.3D 5.2D	R525 (11.28) R526 (10.4C)	TP510 [10.4C] TP511 [10.4C]						
	C56 [6.4A] C57 [9.3C]	CS47 [2.40]		C645 [2.3F] C646 [8.4E]	5.301	R526 [10.4C] R527 [7.4D] R528 [6.4D]	TP511 [10.4C] TP512 [10.4C]						
	C58 [2.2H] C59 [3.1D]	C548 [2.40] C549 [2.40]		C647 [8.4E] C648 [8.3E]	MEC1 [11.2H] MEC2 [11.2G]	R529 [11.2A]	TPS13 [10.4C] U1 [6.3D 6.3D]						
HI	C60 [3.1E] C61 [2.1H]	C540 [3.28] C541 [3.20] C542 [3.20] C544 [2.27] C546 [2.27] C546 [2.27] C547 [2.40] C549 [2.40] C549 [2.40] C549 [2.40] C559 [2.40] C550 [2.50] C550 [2.50] C551 [3.10] C552 [3.10] C553 [3.20] C554 [2.20] C555 [2.20] C555 [2.20]		C649 [6.5F] C650 [6.4F]	MEC3 [11.3H] MEC4 [11.3H]	R530 (6.40) R531 (11.2A)	U1 (7:30 7:30) U2 (14:14)						HI
	C61 2.1H C62 2.4H C63 2.4H	C552 [3.20]		C650 [6.4F] C651 [8.4F]	MEC4 [11.3H] MEC5 [11.3H] MEC5 [11.3H]	R532 (6.5D)	UZ [14.1A] US01 [12.3G]						
	C63 [2-4H] C64 [2-5H]	C554 [2.2G]		C652 [8.4F] C653 [8.3F]	MECS (11.3H) MEC7 (11.2H)	R553 (7.4D) R554 (11.28)	US02 [12.4H] US04 [13.4D]						
	OSS [2.5G] OSS [3.2D] OSF [3.2E]	CSSS [2.56] CSSS [3.5A]		C654 [6.47] C655 [14.4E]	Q1 [13.8F] Q2 [13.3E]	R535 (11.28) R536 (11.2A)	USOS (14.3D) YSO1 (12.5D)						
	C68 [3.2D]	C557 [2.3G] C558 [2.2G]		C654 [6.47] C655 [14.4E] C656 [14.4E] C657 [14.3E]	Q1 [13.4F] Q2 [13.8E] Q4 [12.4B] Q5 [0.4B]	R537 [12.3G] R538 [11.28]		l					
	C69 (3.2D)	C559 [12.5E]		C658 [14.2C]	Q6 [9.48]	R539 [2:10] R540 [12:16]							
4	C70 [4.37] C71 [4.20] C72 [5.30] C73 [5.37]	CSS1 [2:3G]		C659 [14.3C] C650 [14.3C]	OB [14:48]	R541 (2.10)							4
	C72 [5:30] C73 [5:37]	C562 [2.1G] C563 [2.3D]			Q9 [14.4A] Q501 [12.48]	R542 (12.18) R543 (2.10)							
	C74 [5.20]	C564 (2.4H) C565 (2.4H)		CN1 [2.3C] D1 [6.2E] D2 [6.2E]	G7 [14.3E (4.3E] G8 [14.48] G9 [14.4A] G901 [12.48] G902 [13.48]	R544 [12.18]							
. []	C76 [5:27] C77 [5:3G]	CSSS [2:30]		D3 [7.36] D4 [6.36]	R1 [6:10]	R546 (11.2A) R547 (2.1D)							
	C77 [5:3G] C78 [4:4H] C79 [5:3F]	Description Description		D4 [6.30] D5 [6.30] D6 [7.30]	0000 (13-40) R1 [8-10] R2 [8-22] R3 [7-22] R4 [8-22] R5 [8-22] R6 [7-22] R7 [8-20]	R548 [12.4G]							
	C79 [5.3F] C80 [4.5C]	C569 [2.2G] C570 [3.2D]		D6 [7.36] D7 [13.4G]	R4 (6.3E) R5 (6.2E)	R549 [12:3G] R550 [11:2A]							
	C80 [4.5C] C81 [5.3C] C82 [4.3G]	CS71 [2.3F] CS72 [2.3F]		D7 [13.4G] D8 [12.3G] D18 [14.3G]	R6 (7.3E) R7 (6.2D)	R551 [11.28] R552 [12.1A]							
\neg	C83 [5.3E] C84 [5.5E]	CS73 [2.1F]		D19 [7.4D] D501 [13.4E]	FG [0.3E]	R553 (12.28) R554 (2.10)							
	C85 [4.5E]	CS74 [2:3G] CS75 [2:3G]		D502 (9.3F)	R10 [7-46]	R505 (2.1D)							
	CBE [42G] CBF [52G]	CS75 [2.3G] CS76 [2.3G] CS77 [2.2G]		D003 [7.2E] D004 [7.2E]	R11 [6.25] R12 [7.35]	R566 (12.2A) R567 (12.4B)							
	C85 [4:20] C89 [5:50] C90 [4:50]	C576 [3.20]		D005 [6.4E] D006 [6.4E] D007 [6.5E]	R13 (6.3E)	R558 (13.4F) R559 (13.4E)							
	C90 [4.5E]	C580 [8.3A]		D507 (6.5E)	R15 [7.5E]	R560 [13.5E]							
	C91 [5:5E] C92 [4:5E] C93 [4:4G]	CS76 [2.20] CS78 [3.34] CS80 [3.34] CS81 [3.34] CS81 [3.34] CS82 [3.34]		D508 [7.4D] D509 [7.5E] D510 [8.4D]	PO (7-25) PO (7-45) PO (7-	R561 [13.40] R563 [13.4C]							
5	C93 [4:4G]	C583 [2.2G]		D510 [8.4D]	R15 [13.20]	R570 [13.3E]							5
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