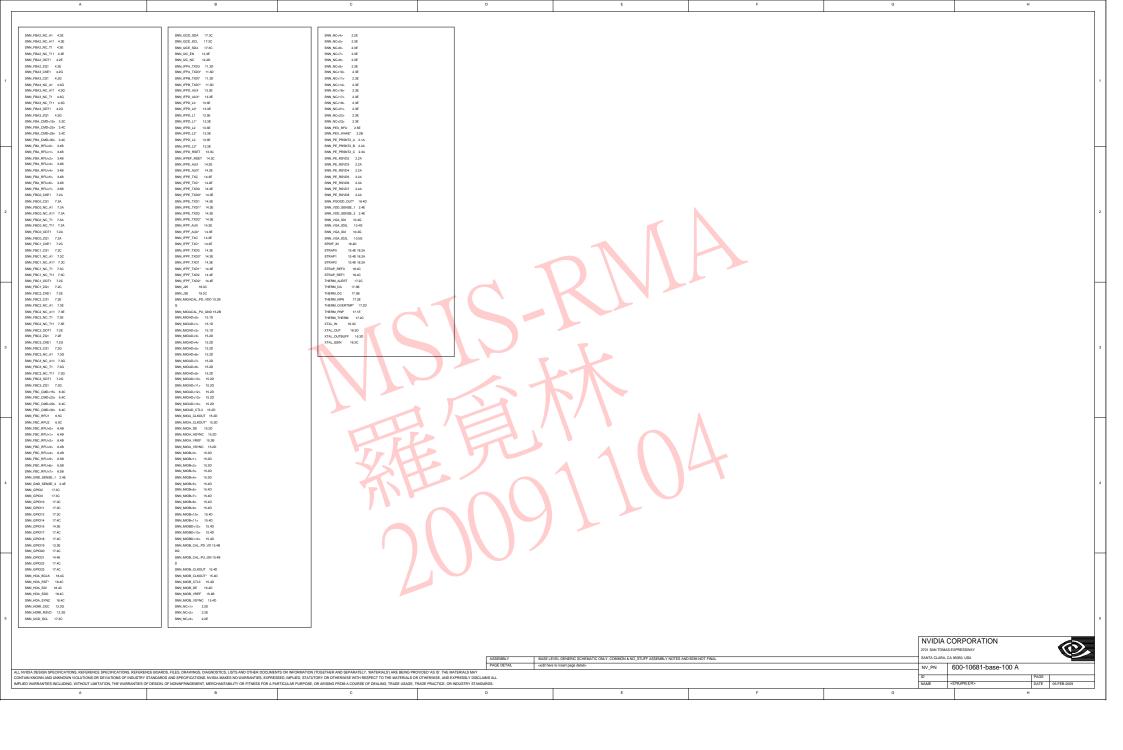


The color The	Tale: Curl Past Report Report Datage: p881 Datage: p882 13.3562 2009 BKT1 [18.4E] CT [12.4E] CT [12.4E] GA [12.4E]	CBB [0.2F] CBI [0.2F]	CMG (8.24) CMG (8.24) CMG (8.28) CMG (8.14) CMG (9.24)	C666 [1:38] C690 [2:9] C690 [1:38] C691 [1:28] C692 [2:26] C692 [2:26] C693 [2:36] C694 [2:37] C695 [2:37] C695 [2:37] C695 [2:46] C695 [2:46] C695 [2:46] C697 [1:38] C697 [1:38] C697 [2:38] C697 [2	CNS [9.25] CNS [9.24] CNS [9.25] CNS [9.27]	7.20 10 [727.40 7-40] 1 [727.40 1 [740] 1 [74	RG2 (77.4E RG3 (13.5C) RG4 (13.5C) RG5 (13.5C) RG5 (13.5C) RG5 (13.5C) RG5 (13.5C) RG5	628 (8.55) 6520 (9.55) 6530 (9.57) 6331 (9.45) 6331 (9.45) 633 (9.45) 633 (9.55) 633 (9.55) 633 (9.55) 633 (13.52) 633 (13.52) 633 (13.52) 634 (13.52) 635 (13.52) 635 (13.52) 635 (13.52) 635 (13.52) 635 (13.52) 635 (13.52) 635 (13.52) 635 (13.52) 635 (13.52) 635 (13.52) 635 (13.52) 635 (13.52) 635 (13.52) 635 (13.52) 635 (13.52) 635 (13.52) 635 (13.52) 635 (13.52)	879 B.416.616.64 6.64] 879 B.316.316.234 6.34] 8710 B.316.234.234 8711 [M.40.40.64.63 6.62] 872 [D.41.61.64.61 6.72] 873 [D.40.30.30.30 2.82] 874 [D.30.30.30.30 1.82] 874 [D.30.30.30.30 1.82] 874 [D.30.30.30.30 1.82] 875 [D.41.81.234.234	
Second Column C	120 125	Com 8.545 Com 9.505 Com 9.505 Com 9.507	CSS	C075 [838] C077 [277] C078 [848] C077 [277] C078 [848] C090 [77.38] C091 [77.38] C091 [77.38] C092 [77.38] C093 [77.38] C094 [77.38] C095 [27.38] C096 [27.38] C096 [27.38] C096 [27.38] C097 [27.38] C097 [27.38] C098 [27.38] C099 [27.38] C0	O3 (0.45) O4 (0.02) O5 (0.45) O6 (12.26) O7 (0.37) O8 (0.27) O8 (0.27) O9 (0.37) O1 (0	MEGG [14:26] OF [12:40] OF [Res Do.47 RF1 Do.40 RF1 Do.40 RF1 Do.40 RF2 John RF2 RF3 John RF4 RF3 John RF4 RF3 John RF4 RF7 John RF4 RF7 John RF4 RF7 John RF4 RF7 JF4A RF8 DF4A RF8 DF4	R564 10.32	3-24(8777 [2343-32-34 2-34] 8788 [2103-30-31-0 3-10] 8789 [2103-30-31-0 3-20] 8789 [2103-30-31-0 3-20] 8789 [2103-30-31-0 3-20] 8789 [2413-30-31-0 3-214(8789 [2413-30-31-0 3-214(10 [2424] 10 [2424] 10 [2424] 10 [2424] 10 [2424] 10 [2424] 10 [2424] 10 [2424] 10 [2424] 10 [2424] 10 [2424] 10 [2424] 10 [2424] 10 [2425] 10 [2424] 10 [2425] 10 [2426] 10 [2426] 10 [2426] 10 [2426] 10 [2426] 10 [2426] 10 [2426] 10 [2426] 10 [2426] 10 [2426] 10 [2426] 10 [2426] 10 [2426] 10 [2426] 10 [2426] 10 [2426] 10 [2426]	
Col	32 D1-15 32 D1-15 33 D1-15 34 D1-15 35 D1-15 37 D1-16 39 D1-16 39 D1-16 39 D1-16 30 D1-16 30 D1-16 31 D1-16 31 D1-16 31 D1-16 31 D1-16 32 D1-16 33 D1-16 34 D1-16 35 D1-16 36 D1-16 36 D1-16 37 D1-16 38 D1-16 39 D1-16 30 D1-16 30 D1-16 31 D1-16 32 D1-16 33 D1-16 34 D1-16 35 D1-16 36 D1-16 37 D1-16 37 D1-16 38 D1-16 38 D1-16 39 D1-16 30	Coop (85C) Coop (847) Coop (827) Coop (827) Coop (812) Coop (813) Coop (813) Coop (814) Coop (815)	CHE (SAS) CHE (S	C689 [234] C699 [25C] C700 [12-44] C701 [830] C702 [834] C703 [834] C703 [834] C704 [835] C707 [13-8] C709 [13-8]	FF (19.4C) G1 (2001) G1 (2	0004 [F189] 0004 [F189] 0007 [F189] 0000 [F189] 0000 [F189] 0000 [F189] 0000 [F189] 0000 [F189] 000	RY (2-34) RY (2-38) RY (2-	8600 (77.85) 8520 (77.85) 8527 (77.85) 8527 (78.25) 8524 (78.25) 8526 (78.25) 8526 (73.25) 8526 (73.25) 8526 (73.25) 8526 (73.25) 8526 (73.25) 8526 (73.25) 8526 (73.25) 8526 (73.25) 8527 (73.25) 8528 (73.25) 8529	U506 [9.2D 9.3D] U506 [10.2D 10.3D]	
CLSS [5:8]	250 250	Cap B.18 Cap B.18 Cap B.26 Cal B.26 Cap B.26 Cap B.26 Cap B.26 Cap B.27 Cap	Code DACS	C71 [836] C72 [835] C73 [835] C73 [845] C73 [845] C73 [836] C73 [836] C73 [837] C74 [837] C75 [837] C75 [837] C75 [837] C76 [837] C77 [837] C77 [837] C78 [837] C79 [8	L1 (920) L2 (920) L3 (920) L4 (920) L5 (920) L5 (920) L9 (976) L9 (976) L10 (920) L11 (920) L11 (920) L12 (920) L13 (920) L14 (920) L15	Sect 197-46	R107 (21-38) R109 (21-35) R200 (21-45) R201 (21-41) R202 (21-44) R203	Rest (10.50) Rest (10.50) Rest (10.60) Rest		
	18 (BAN) 9 (FAM) 19 (FAM) 19 (BAM) 19 (CSS2 [5-18] CSS4 [5-32] CSS5 [5-38]	C648 [3.15] C649 [5.27] C650 [5.27] C651 [3.38] C652 [2.38] C652 [2.38] C655 [2.48] C656 [3.28] C656 [3.28]	C146 [21.97] C150 [21.52] C152 [21.52] C155 [21.4] C177 [21.52] C178 [21.52] C198 [21.52] C199 [21.57] C190 [21.47] C191 [21.57]	LBS02 _2AF LBS03 _2AF LBS05 _[1534] LBS05 _[1524] LBS07 _[1524] LBS08 _[1624] LBS08 _[1624] LBS09 _[1624] LBS0	R42 [19.46] R44 [19.40] R45 [19.20] R46 [19.20] R47 [19.20] R48 [17.20] R49 [17.20] R40 [17.20]	Rel	RPS (820 6 20 6 20 6 20 6 20) RP4 (8,24 6 24 6 34 6 6 4 6 6 24 6 6 24 6 6 24 6 6 24 6 6 24 6 6 2 6 2		
MARKAMINES INCLUDING, WITHOUT LIMITATION, THE WARKAMINES OF DESIGN, OF NONINFRINGEMENT, MERCHANTRELITY OR PITIESS FOR A PARTICULAR PURPOSE, OR ADMISSING FOR A PARTICULAR PURPOSE, OR ADMISSING FOR AD	N KNOWN AND UNKNOWN VIOLATIONS OR DEVIATIONS OF	S OF INDUSTRY STANDARDS AND SPECIFICATIONS. NVIDIA MAKES	AKES NO WARRANTIES, EXPRESSED, IMPLIED, STATUTORY OR	ETHER AND SEPARATELY, "MATERIALS") ARE BEING PROVIDED 'AS IS 'OR OTHERWISE WITH RESPECT TO THE MATERIALS OR OTHERWIS	NISE, AND EXPRESSLY DISCLAIMS ALL				ID	0-10681-base-100 A

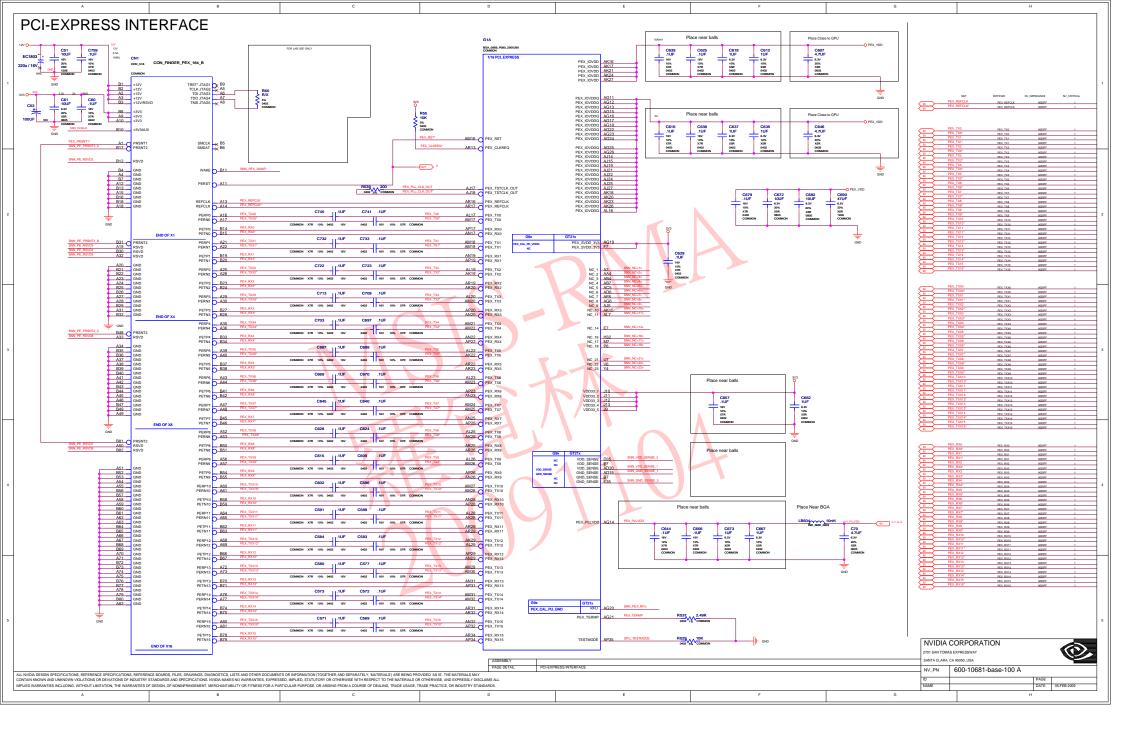


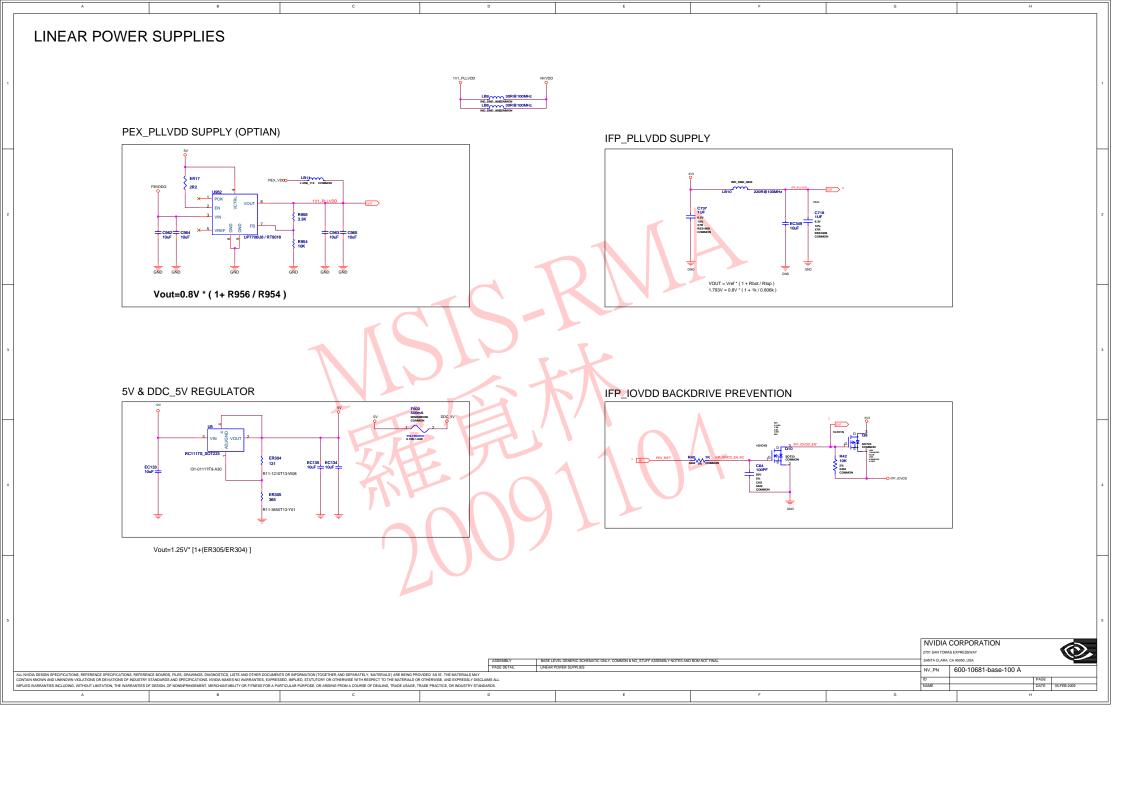
: Basenet Report	FBA_CND<21> 3.20 3.40 4.1A 4.1C	FBA_DQSN<0> 3.48.4.48.4.5E	FBC_Dc25> 62B 7.4C	GPIOS_FAN_PWM_Q_L 17.4G	NV/DD_GND_SENSE_R 21.2B 21.4C	PEX_T000 22823G
ign: p681 a: Jan 22 13:35:02 2009	4.1E 4.1G FBA_CMD<22> 3.4C 3.4F 4.1E 4.1G	FBA_DQSN<7.0> 3.4A 4.3A 4.5E FBA_DQSN<1> 3.4B 4.4B 4.5E	FBC_D<28> 62B 7.4C FBC_D<27> 62B 7.4C	GPI02_FAN_PWM_R 17.3F GPI013_FBVDDQ_VSEL 17.4D 20.4D	NVVDD_JOFS 21.2C NVVDD_MODE 21.2C	PEX_TXXX 2.28 2.9G PEX_TXX1 2.28 2.3G
	4.2A 4.2C	FBA_DQSN<2> 3.48 4.4C 4.5E	FBC_D<28> 6.28 7.4C	GPIO18_FAN_PWM 17.4C	NVVDD_MODE_Q 21.18	PEX_TXX1
e nets and synonyms for	FBA_CMD<24> 3.3F 3.4C 4.1A 4.1C	FBA_DQSN<3> 3.4B 4.4C 4.5E	FBC_D<29> 62B 7.4C	GPU_PLLVDD 16:3B	NV/DD_MODE_R 212B	PEX_TXX2
1_lib_P681(@p681_lib_p681(sch_1)) e Signal Location((Zone)(diri)	4.1E 4.1G FBA CMD-25> 3.4C 3.4G 4.3A 4.3C	FBA_D08N <b 3.48="" 4.40="" 4.5e<br=""> FBA_D08N S.48 4.40 4.5E	FBC_D<30> 6.28.7.4C FBC D<31> 6.28.7.4C	GPU_TESTMODE 2:5E HDM PD 1 12:48	NV/DD_REFIN 21.9C NV/DD_RSET 21.9C	PEX_TXX2* 228 23G PEX_TXX3 238 23G
	FBA_CMD<28> 3.2F 3.4C 4.1A 4.1C	FBA_DQSNx6> 3.48 4.4E 4.5E	FBC_D<32> 6.2B 7.3D	12CA_SCL 9.2C 9.2D	NVVDD_SENSE 2.4F 21.4D	PEX_TXX3* 2:38 2:3G
.ADJ 19.28	4.1E 4.1G	FBA_DQSN<7> 3.4B 4.4E 4.5E	FBC_D<33> 62B 7.4D	I2CA_SCL_C 9.2H 11.3G	NV/DD_SENSE_R 21.4E	PEX_TXX4 2:3B2:3G
_PLLVDD	FBA_CMD<27> 3.4C 3.4G 4.2E 4.2G FBA_CMD<28> 3.4C 4.2E 4.2G 4.3A	FBA_VREF 3.5B FBA_VREF0 4.3C 4.3E 4.4G	FBC_D<34> 6.28 7.4D FBC_D<35> 6.28 7.4D	12CA_SCL_T 9.2F 12CA_SDA 9.1D.9.2C	NV/DD_SS 21.9C NV/DD_VID 21.9C	PEX_TXX4
19.2C LADJ 19.2F	4.3C 4.3E 4.2G 4.3A	FBA_VREF1 4.3F 4.4H	FBC_D<36> 6.28.7.4D FBC_D<36> 6.28.7.4D	12CA_SDA_C 9.1H 11.3G	NVVDD_VREF 21.9C	PEX_TXXS 23823G PEX_TXXS 23823G
2.1A	FBA_D<0> 3.18 4.38	FBA_ZQ0 4.3A	FBC_D<37> 6.2B 7.4D	I2CA_SDA_T 9.1F	NV/DD_VSEL2 21.38	PEX_TXX6 23B 23G
_INFO 18.5F	FBA_D<63.0> 3.1A 4.3A 4.5G	FBA_ZQ1 4.3C	FBC_D<38> 6.2B 7.4D	12CB_SCL 10.2C	NV/DD_VSEL2_Q 21.38	PEX_TXX8* 2:38 2:3G
19.4C ADJ 19.4B	FBA_D<1> 3.18 4.38 FBA D<2> 3.18 4.48	FBA_Z02 4.9E FBA_Z03 4.9G	FBC_D<30> 6.28 7.4D FBC_D<40> 6.28 7.4D	12CB_SCL_R 10.1E 12CB_SCL_R_L 10.1G	NV/0D_VSEL3 21.48 NV/0D_VSEL3 Q 21.3C	PEX_TXX7
2.1A	FBA_D<3> 3.18 4.48	FBC_CLK0	FBC_Do41> 6.28 7.4D	12CB_SDA 10.2C	PEX_CLKREQ* 2.1C	PEX_TXX8 2.3G 2.4B
_D 19.4A	FBA_Do4> 3.18 4.4B	FBC_CLK0* 6.4D 7.2A 7.2C 7.5G	FBC_Do42> 6.3B 7.4D	12CB_SDA_R 10.1E	PEX_PLLVDD 2.4E	PEX_TXX8* 2:90:2:4B
_F 21.1F CA_BLUE 9.4E9.5A	FBA_D<5> 3.18 4.48	FBC_CLK1 6.4D 7.2D 7.2F 7.5G	FBC_D=43> 6.3B 7.4D	I2CB_SDA_R_L 10.1G I2CC_SCL 17.2B 17.3F 18.5E	PEX_PLL_CLK_OUT 22C	PEX_TXX9 2.3G 2.4B
CA_BLUE 9.4E 9.5A CA_BLUE_C 9.4H 9.5A 11.3G	FBA_D<85 3.18 4.48 FBA_D<75 3.18 4.48	FBC_CLK1* 6.4D 7.2D 7.2F 7.5G FBC_CMD<6> 6.3C 6.4G 7.2A 7.2C	FBC_Do45> 6.38 7.4D FBC_Do45> 6.38 7.4D	12CC_SCL 17.2B 17.3F 18.5E 12CC_SCL_G 17.3C	PEX_PLL_CLK_OUT* 22C PEX_PRSNT1* 2.1A	PEX_TXX9* 2:30:2:4B PEX_TXX10 2:30:2:4B
CA_GREEN 9.4E 9.5A	FBA_D<8> 3.18 4.48	FBC_CMD<30.0> 6.3D 7.1A 7.1C 7.1D	FBC_D<46> 6.387.4D	12CC_SDA 17.2B 17.3F 18.5E	PEX_REFCLK 2.1G 2.2B	PEX_TXX10* 2.3G 2.4B
CA_GREEN_C 9.4H 9.5A 11.3G	FBA_D<4> 3.18 4.48	7.1F 7.5G	FBC_Do47> 6.38 7.4D	12CC_SDA_G 17.9C	PEX_REFCLK* 2.1G 2.2B	PEX_TXX11 2.9G 2.4B
CA_HSYNC 9.5C 9.5A CA_HSYNC_BUF_9.3E.9.5A	FBA_D<10> 3.18 4.48 FBA D<11> 3.18 4.48	FBC_CMD<1> 6.2F 6.3C 7.1A 7.1C 7.1E 7.1G	FBC_D<48> 63B 7.3E FBC_D<48> 63B 7.4E	12CH_SCL 18.4D 12CH SDA 18.4D	PEX_RST* 2.2D 19.4E PEX_RX0 2.2B 2.4G	PEX_T0X11* 2.30 2.48 PEX_T0X12 2.30 2.48
CA_HSYNC_BUF 9.3E 9.5A CA_HSYNC_C 9.3H 9.5A 11.9G	FBA_D<11> 3.18 4.48 FBA_D<12> 3.28 4.48	7.1E 7.1G FBC_CMD<25 6.1G 6.3C 7.1A 7.1C	FBC_D<80> 6.3B 7.4E FBC_D<50> 6.3B 7.4E	12CH_SDA 18.4D 12CS_SCL 2.1C 17.3F	PEX_RX0 2.28 2.4G PEX_RX0* 2.28 2.4G	PEX_TXX12 2:3G 2:4B PEX_TXX12* 2:3G 2:4B
CA_HSYNC_R 9.3E9.5A	FBA_D<13> 3.28 4.48	FBC_CMD<3> 6.2G 6.3C 7.1A 7.1C	FBC_D-61> 6.38 7.4E	12CS_SDA 2.2C 17.3F	PEX_RX1 2.28 2.4G	PEX_TXX13 2:30 2:5B
CA_RED 9.3E 9.5A	FBA_D<14> 3.28 4.48	7.1E 7.1G	FBC_D-62> 6.38 7.4E	12CW_SCL 12:9C	PEX_RX1* 2.2B 2.4G	PEX_TXX13* 2:30 2:58
CA_RED_C 9.3H 9.5A 11.3G CA_RSET 9.3B	FBA_D<15> 3.28 4.48 FBA_D<16> 3.28 4.3C	FBC_CMD-4> 6.20 6.3C 7.1A 7.1C 7.1E 7.1G	FBC_D-d3> 6.38 7.4E FBC_D-d4> 6.38 7.4E	12CW_SCL_R 12.2D 12CW_SCL_R_Q 12.2E	PEX_RX2 2.2B 2.4G PEX_RX2* 2.3B 2.4G	PEX_T0x14 2:90 2:5B PEX_T0x14* 2:40 2:5B
CA VDD 9.28	FBA_D<16> 3.28 4.3C FBA_D<17> 3.28 4.3C	FBC CMD-db	FBC_D-54> 6.38.7.4E FBC_D-55> 6.38.7.4E	12CW SDA 12.3C	PEX RX3 238 2.4G	PEX_TXX14* 2.4G.25B PEX_TXX15 2.4G.25B
CA_VREF 9.3B	FBA_D<18> 3.28 4.4C	FBC_CMD d> 6.3C 6.4G 7.1A 7.1C 7.1E 7.1G	FBC_D-56> 6.3B 7.4E	12CW_SDA_R 12.1D	PEX_RX3* 2.3B 2.4G	PEX_TXX15* 2.4G 2.5B
CA_VSYNC 9.9C 9.5A	FBA_D<19> 3.28 4.4C	FBC_CMD+6> 6.3C 6.4F 7.1A 7.1C	FBC_D-57> 6.3B 7.4E	12CW_SDA_R_Q 12.1E	PEX_RX4 2:38:2.4G	PEX_VDD 20.38
CA_VSYNC_BUF 9.2E 9.5A CA_VSYNC_C 9.2H 9.5A 11.3G	FBA_D<20> 3:28 4.4C FBA_D<21> 3:28 4.4C	7.1E 7.1G FBC_CMD<7> 6.3C 6.3G 7.1A 7.1C	FBC_D-d8> 6.38 7.4E FBC_D-d9> 6.38 7.4E	IFPAB_PLLVDD 11.38 IFPAB_PLLVDD 11.28	PEX_RX4* 2.3B 2.4G PEX_RX5 2.3B 2.4G	PS_1V1_CP 20.38 PS_1V1_DR 20.2C
CA_VSYNC_R 9.2E9.5A	FBA_D<22> 3.28 4.4C	7.1E 7.1G	FBC_D<80> 6.38 7.4E	IFPAB_RSET 11.38	PEX_RXS* 23B24G	PS_1V1_FB 20.9C
CB_BLUE 10.4D 10.5A	FBA_D<23> 3.28 4.4C	FBC_CMD-8> 6.3C 6.4F 7.1A 7.1C	FBC_D<61> 6.3B 7.4E	IFPA_TXC 11.3D	PEX_RX6 2.38 2.4G	PS_FBVDDQ_BOOT 20:20
CB_BLUE_C 10.4F10.5A	FBA_D<24> 3.28 4.40	7.1E 7.1G	FBC_D-62> 6.38 7.4E	IFPA_TXC* 11.3D	PEX_RX8* 2.3B 2.4G	PS_FBVDDQ_CP 20.3D
CB_GREEN 10.4D 10.5A CB_GREEN C 10.4F 10.5A	FBA_D<25> 328 4.4C FBA_D<28> 328 4.4C	FBC_CMD-di> 6.3C 6.3F 7.2A 7.2C 7.2E 7.2G	FBC_D-63> 6.38 7.4E FBC_DEBUG 6.4C	IFPA_TXD0 11.20 IFPA_TXD0* 11.20	PEX_RX7 2.38 2.4G PEX_RX7* 2.48 2.4G	PS_FBVDDQ_CP_RC 20.3D PS_FBVDDQ_EN 20.4B
DB_HSYNC 10.9C 10.5A	FBA_D<27> 3:28 4:40	FBC_CMD<10> 6.9C 6.9G 7.1A 7.1C	FBC_DQM:05 6:38 7:48	IFPA_TXD1 11.2D	PEX_RX8 2.4B 2.4G	PS_FBVDDQ_ENr 20.4C
CB_HSYNC_BUF 10.3E 10.5A	FBA_D<28> 3.28 4.4C	7.1E 7.1G	FBC_DQM<7.0> 6.3A 7.3A 7.5G	IFPA_TXD1* 11.20	PEX_RX8* 2.4B 2.4G	PS_FBVDDQ_FB 20.3D
28_HSYNC_C 10.30 10.5A 28_HSYNC_R 10.3E 10.5A	FBA_D<29> 3.28 4.4C FBA_D<30> 3.28 4.4C	FBC_CMD<11> 6.3C 6.4F 7.1E 7.1G FBC_CMD<12> 6.3C 6.4G 7.2A 7.2C	FBC_DQM<1> 8.38 7.48 FBC_DQM<2> 8.38 7.4C	IFPA_TXID2 11.3D IFPA_TXID2* 11.2D	PEX_RX9 2.4B 2.4G PEX_RX9* 2.4B 2.4G	PS_FBVDDQ_FB_RC 20.4Q PS_FBVDDQ_FS_DIS 20.3C
DB_HSYNC_R 10.3E 10.5A DB_RED 10.3D 10.5A	FBA_D<30> 3.28 4.4C FBA_D<31> 3.28 4.4C	FBC_CMD+12> 6.9C 6.4G 7.2A 7.2C 7.2E 7.2G	FBC_DQM:3> 6:38 7:4C FBC_DQM:3> 6:38 7:4C	IFPA_TXD2* 11.20 IFPB_TXD4 11.3D	PEX_RX9" 2.4B 2.4G PEX_RX10 2.4B 2.4G	PS_FBVDDQ_FS_DIS 20.3C PS_FBVDDQ_LG 20.3D
CB_RED_C 10.3F 10.5A	FBA_D<32> 3.28 4.3D	FBC CMD<13> 6.9C 6.9F 7.2A 7.2C	FBC DQMo4> 6.38 7.4D	IFPB_TXD4* 11.30	PEX_RX10* 2.4B 2.4G	PS_FBVDDQ_PH 20.3D
CB_RSET 10.3B	FBA_D<33> 3.28 4.3D	7.2E 7.2G	FBC_DQM<5> 6.38 7.40	IFPB_TXD5 11.3D	PEX_RX11 2.4B 2.4G	PS_FBVDDQ_PVCC 20.2D
CB_VDD 10.2B	FBA_D<34> 3.28 4.4D	FBC_CMD<14> 6.1G 6.3C 7.1A 7.1C	FBC_DQMe6> 6.48 7.4E	IFPB_TXD5* 11.3D	PEX_RX11* 2.4B.2.4G	PS_FBVDDQ_PVCC_R 20.2C
CB_VREF 10.2B CB_VSYNC 10.3C 10.5A	FBA_D<35> 3.28 4.4D FBA_D<38> 3.28 4.4D	7.16 7.16 FBC_CMD<16> 6.9C 6.4G 7.2E 7.2G	FBC_DQM<7> 6.48 7.4E FBC_DQS<0> 6.48 7.45 7.5E	IFPB_TXD8 11.3D IFPB_TXD8* 11.3D	PEX_RX12 2.4B 2.5G PEX_RX12* 2.5B 2.5G	PS_FBVDDQ_RC 20.2F PS_FBVDDQ_UG 20.2D
CB_VSYNC_BUF 10.2E 10.5A	FBA_D<37> 3.28 4.4D	FBC_CMD<17> 6.9C 6.9G 7.1A 7.1C	FBC_DQS<7.0> 6.44 7.54 7.5E	IFPCEF_PILLVDD 14.3C	PEX_RX13 2:5B 2:5G	PS_FBVDDQ_UG_R 20.2E
CB_VSYNC_C 10.2G 10.5A	FBA_D<38> 3.28 4.4D	7.1E 7.1G	FBC_DQS<1> 6.48 7.48 7.5E	IFPC_IOVDD 12:3A	PEX_RX13* 2.5B 2.5G	PS_FBVDDQ_VCC 20.2D
DB_VSYNC_R 10.2E 10.5A C_5V 19.4D	FBA_D<30> 3.28 4.4D FBA_D<40> 3.28 4.4D	FBC_CMD<18> 6.1F 6.9C 7.1E 7.1Q 7.2A 7.2C	FBC_DQScb 6.48 7.4C 7.5E FBC_DQScb 6.48 7.4C 7.5E	IFPC_PLLVDD 12:3A IFPC_RSET 12:3A	PEX_RX14	PS_NVVDD_BOOT1 21:20 PS_NVVDD_BOOT2 21:30
C_5V 19.4D L_CLK0 3.4D 4.2A 4.2C 4.5G	FBA_D<40> 3.28 4.4D FBA_D<41> 3.28 4.4D	7.2A 7.2C FBC_CND<19> 6.3C 6.4F 7.1A 7.1C	FBC_DQS<3> 6.4B 7.4C 7.5E FBC_DQS<4> 6.4B 7.4D 7.5E	IFPC_RSET 12:3A IFPC_TXC 12:3D	PEX_RX14* 2.5B.2.5G PEX_RX15 2.5B.2.5G	PS_NVVDD_BOOT2 21:3D PS_NVVDD_EN 21:2C
_CLK0* 3.4D 4.2A 4.2C 4.5G	FBA_D<42> 3.38 4.4D	7.1E 7.1G	FBC_DQS-6> 6.48 7.4D 7.5E	IFPC_TXC* 12.3D	PEX_RX15* 2:58 2:5G	PS_NVVDD_EN* 21.28
CUK1 3.4D 4.2D 4.2F 4.5G	FBA_D+43> 3.38 4.4D	FBC_CMD<20> 6.3F 6.4C 7.1A 7.1C	FBC_DQSe6> 6.48 7.4E 7.5E	IFPC_TXC_C1 12:3F 12:4B	PEX_SMCLK 2.1B	PS_NVVDD_LG1 21:20
CCLK1* 3.4D 4.2D 4.2F 4.5G	FBA_D<44> 3.38 4.4D FBA_D<45> 3.38 4.4D	7.1E 7.1G FBC_CMD<21> 6.2G 6.4C 7.1A 7.1C	FBC_DQS<7> 8.48.7.4E.7.5E FBC_DQSN<0> 6.48.7.4B.7.5E	IFPC_TXC_C1* 12:3F 12:4B	PEX_SMDAT 2.1B	PS_NVVDD_LG2 21.3D PS_NVVDD_PH1 21.2D
LCMD=05- 3:9C 3:4G 4:2A 4:2C LCMD=30:05- 3:3D 4:1A 4:1C 4:1D	FBA_D<46> 3.38 4.4D FBA_D<46> 3.38 4.4D	FBC_CMD+21> 6.2G 6.4C 7.1A 7.1C 7.1E 7.1G	FBC_DQSN<0> 6.48 7.48 7.5E FBC_DQSN<7.0> 6.4A 7.3A 7.5E	IFPC_TXD0 12:3D IFPC_TXD0* 12:3D	PEX_TCLK 2.1B PEX_TDI 2.1B	PS_NVVDD_PH1 21:2D PS_NVVDD_PH2 21:3D
4.1F 4.5G	FBA_D+47> 3:38 4:4D	FBC CMD+22> 61F64C71F71G	FBC_DQSN<1> 8.48 7.48 7.5E	IFPC_TXD0_C1 12:3F 12:4B	PEX_TDO 2.18	PS_NVVDD_RC1 21.2F
LCMD<1> 33C 34F 4.1A 4.1C	FBA_D+48> 3.38 4.3E	724720	FBC_DQSN-2> 6.48.7.4C.7.5E	IFPC_TXD0_C1* 12.3F 12.4B	PEX_TERMP 2.5E	PS_NVVDD_RC2 21.3F
4.1E 4.1G _CMD<2> 3.9C 3.4G 4.1A 4.1C	FBA_D<40> 3.38.4.3E FBA_D<50> 3.38.4.4E	FBC_CMD<24> 6.2F 6.4C 7.1A 7.1C 7.1E 7.1G	FBC_DQSN <ab< td=""><td>IFPC_TXID1 12.5D IFPC_TXID1* 12.3D</td><td>PEX_TMS 2.1B PEX_TRST* 2.1B</td><td>PS_NVVDD_UG1 21:20 PS_NVVDD_UG1_R 21:2E</td></ab<>	IFPC_TXID1 12.5D IFPC_TXID1* 12.3D	PEX_TMS 2.1B PEX_TRST* 2.1B	PS_NVVDD_UG1 21:20 PS_NVVDD_UG1_R 21:2E
LCMD-25 33C 3.4G 4.1A 4.1C LCMD-35 3.2G 3.3C 4.1A 4.1C	FBA_0<50> 3.38 4.4E FBA_0<51> 3.38 4.4E	7.1E 7.1G FBC_CMD<25> 6.4C 6.4G 7.3A 7.3C	FBC_DQSN<65 6.48 7.4D 7.5E FBC_DQSN<65 6.48 7.4D 7.5E	IFPC_TXD1* 12:3D IFPC_TXD1_C1 12:3F 12:4B	PEX_TRST* 2.1B PEX_TX0 2.1G.2.2D	PS_MVVDD_UG1_R 21.2E PS_MVVDD_UG2 21.3D
4.1E 4.1G	FBA_D<52> 3.38 4.4E	FBC_CMD<28> 6.2F 6.4C 7.1A 7.1C	FBC_DQSN-6b> 6.4B 7.4E 7.5E	IFPC_TXD1_C1* 12:9F 12:4B	PEX_TX0* 2.1G.2.2D	PS_NVVDD_UG2_R 21.3E
_CMD+4+ 3.1F 3.3C 4.1A 4.1C	FBA_D<53> 3.38 4.4E	7.1E 7.1G	FBC_DQSN<7> 6.48 7.4E 7.5E	IFPC_TXD2 12:3D	PEX_TX1 2.1G.2.2D	PS_NVVDD_VCC9 21.2C
4.1E 4.1G _CMD<5> 3.3C 3.3G 4.1A 4.1C	FBA_D<54> 3.38 4.4E FBA_D<55> 3.38 4.4E	FBC_CMD<27> 6.4C 6.4G 7.2E 7.2G FBC_CMD<28> 6.4C 7.2E 7.2G 7.3A	FBC_VREF0 7.9C 7.9C 7.4G FBC_VREF1 7.9F 7.9H 7.4H	IFPC_TX02* 12.3D IFPC_TX02_C1 12.3F 12.4B	PEX_TX1* 2:1G:2:2D PEX_TX2 2:2D:2:2G	PS_NVVDD_VCC12 21:2C ROM CS* 18:3D
4.1E 4.1G	FBA_D<56> 3.38 4.4E FBA_D<56> 3.38 4.4E	7.9C	FBC_VREF1 7.9F 7.9H 7.4H FBC_Z00 7.3A	IFPC_TX02_C1	PEX_TX2	ROM_SCLK 18.2C 18.3D 18.3D
_CMD+65 3.1G 3.3C 4.1A 4.1C	FBA_D<57> 3.38 4.4E	FBC_D<0> 6.18 7.38	FBC_201 7.9C	IFPD_IOVOD 13.3C	PEX_TX3	ROM_SI 18.2C 18.3D 18.3D
4.1E 4.1G	FBA_D<58> 3.38 4.4E	FBC_D<83.0> 6.1A.7.3A.7.5G	FBC_ZQ2 7.3E	IFPD_PLLVDD 13.3C	PEX_TX3* 2.2G 2.3D	ROM_SO 18.2C 18.3D 18.3D
CMD<7> 3.9C 3.4F 4.1A 4.1C 4.1E 4.1G	FBA_D<50> 3.38.4.4E FBA_D<60> 3.38.4.4E	FBC_D<1> 6.18 7.48 FBC_D<2> 6.18 7.48	FBC_203 7.9G FBVDDQ 20.2H	IFPEF_JOVDD_EN* 17.2E 19.4G	PEX_TX4	SNN_SV3AUX 2.1A SNN_BIOB_HSYNC 15.4D
4.1E 4.1G CMD-8b 3.3C 3.4F 4.1A 4.1C	FBA_D=60> 3.38 4.4E FBA_D=61> 3.38 4.4E	FBC_D <a> 6.18 7.48 FBC_D <a> 6.18 7.48	FBVDDQ_RBOT 20.4F	IFP_JOVDD_EN* 17.2E 19.4G IFP_JOVDD_EN_RC 19.4F	PEX_TX4* 2.2G 2.3D PEX_TX5 2.2G 2.3D	SNN_BIOB_HSYNC 15.4D SNN_BTXC 11.3D
4.1E 4.1G	FBA_D<62> 3.38 4.4E	FBC_Do4o 6.18 7.48	FBVDDQ_VSEL 20.4E	IFP_PLLVDD 12:2A 19:2G	PEX_TX5* 2.2G.2.3D	SNN_BTXC* 11.3D
CMD-db 32F 33C 4.2A 4.2C	FBA_D<63> 3.38 4.4E	FBC_D<6> 6.18 7.48	FB_CAL_PD_VDDQ 6.5C	JTAG_TCLK 2:1C:17.4A	PEX_TX8 2.2G2.3D	SNN_BUFRST* 18.4D
42E 42G MD<10> 32F 33C 4.1A 4.1C	FBA_DEBUG 3.4C FBA_DOM<05 3.38.4.4B	FBC_D<6:> 6:18 7:48 FBC_D<7> 6:18 7:48	FB_CAL_PU_GND 6.9C FB_CAL_TERM_GND 6.5C	JTAQ_TDI 2.1C 17.4A JTAQ_TDO 2.1C 17.5A	PEX_TX6* 2.2G 2.3D PEX_TX7 2.2G 2.3D	SNN_CEC 18.4C SNN_FBA0_CKE1 4.2A
MD<105 3.2F 3.3C 4.1A 4.1C 4.1E 4.1G	FBA_DQM<7.0> 3.38 4.48 FBA_DQM<7.0> 3.3A 4.3A 4.5G	FBC_D<8> 6.18 7.48 FBC_D<8> 6.18 7.48	FB_PLLAVDD 3.5C GPIO0_HPD_DVI 11.4D	JTAG_TMS 2.1C.17.4A	PEX_1X7 2.2G.2.3D PEX_TX7* 2.2G.2.3D	SNN_BAQ_CRET 4.2A SNN_FBAQ_CS1 4.2A
MD<11> 3.1F 3.3C 4.1E 4.1G	FBA DQM<1> 3.38 4.48	FBC_D<6> 6.18.7.48	GPIO0_HPO_DVI 11.4D	JTAG_TRST* 2.1C 17.5A	PEX_TX8 2.2G 2.4D	SNN_FBA0_NC_A1 4.3A
MD<12> 3.1G 3.3C 4.2A 4.2C	FBA_DQM<2> 3.38 4.40	FBC_D<10> 6.18 7.48	GPIO0_HPO_DVI_Q 11.4D	MIOA_CLION 15:2D MIOA_VDDQ 15:1C	PEX_TX8* 2.2G.2.4D	SNN_FBA0_NC_A11 4.3A
42E 42G MD<13> 3.3C 3.3G 4.2A 4.2C	FBA_DOM<3> 3.38 4.4C FBA_DOM<4> 3.38 4.4D	FBC_D<11> 6.18.7.48 FBC_D<12> 6.28.7.48	GPIO0_HPO_DVI_R 11.4E GPIO0_HPO_DVI_RL 11.9G	MIOA_VDDQ 15.1C MIOB_CLKIN 15.4D	PEX_TX9 2.2G 2.4D PEX_TX9* 2.2G 2.4D	SNN_FBA0_NC_T1 4:3A SNN_FBA0_NC_T11 4:3A
MD<13> 33C 33G 42A 4.2C 42E 4.2G	FBA_DQM<5> 3.38 4.4D	FBC_D<13> 6.287.48	GPIO1_HPDC 12.4C	NVVDD 21:2H	PEX_TX10 2.2G 2.4D	SNN_FBA0_ODT1 4.2A
MD<14⇒ 3.3C 3.3F 4.1A 4.1C	FBA_DQM<6> 3.48 4.4E	FBC_D<14> 6.287.48	GPI01_HPOC_Q 12.4D	NVVDD_CP 21.3C	PEX_TX10* 22G 24D	SNN_FBA0_ZQ1 42A
4.1E 4.1G	FBA_DQM<7> 3.4B 4.4E	FBC_D<15> 6:28 7.48	GPIO1_HPDC_R 12.4F	NWDD_CP_RC 21.4D	PEX_TX11 2.2G 2.4D	SNN_FBA1_CKE1 4.2C
MD<16> 3.3C 3.4G 4.2E 4.2G MD<17> 3.3C 3.3G 4.1A 4.1C	FBA_DQS<0> 3.48 4.48 4.5E FBA_DQS<7.0> 3.43 4.33 4.5E	FBC_D<16> 6.28 7.3C FBC_D<17> 6.28 7.4C	GPIO1_HPDC_R_L 12.4G GPIO4_FAN_TACH 17.3C	NVVDD_CSN 21.3D NVVDD_CSN_R 21.3D	PEX_TX:11* 2.2G 2.4D PEX_TX:12 2.2G 2.4D	SNN_FBA1_CS1 4.2C SNN_FBA1_NC_A1 4.9C
4.1E 4.1G	FBA_DQS<1> 3.4B 4.4B 4.5E	FBC_D<18> 6:28 7.4C	GPI05_NVVDD_VSEL1 17:3D 21:1A 21:3A	NWDD_CSP 21.3D	PEX_TX12* 2.2G 2.4D	SNN_FBA1_NC_A11 4.3C
MD<18> 3.3C 3.4G 4.1E 4.1G	FBA_DQS<2> 3.48 4.4C 4.5E	FBC_D<19> 6.287.4C	GPI06_NVVDD_VSEL2 17:3D 21:3A	NWDD_EAP 21.3C	PEX_TX13 2.2G 2.5D	SNN_FBA1_NC_T1 4.3C
4 2A 4.2C	FBA_DQS<3> 3.4B 4.4C 4.5E	FBC_D<20> 6.28 7.4C	GPI07_NVVDD_VSEL3 17:3D 21:2A 21:4A	NV/DD_EN 17.2F 21.2A	PEX_TX13* 2.2G 2.5D	SNN_FBA1_NC_T11 4.9C
CMD<19> 3.2G 3.3C 4.1A 4.1C 4.1E 4.1G	FBA_DQS<4> 3.48 4.4D 4.5E FBA_DQS<5> 3.48 4.4D 4.5E	FBC_Dc21> 6.28 7.4C FBC_Dc22> 6.28 7.4C	GPIO8_THERM_OVERTM 17:3C	NVVDD_EN* 17.1E NVVDD_FB 21.4D	PEX_TX14 2.2G 2.5D PEX_TX14* 2.2G 2.5D	SNN_FBA1_0DT1 42C SNN_FBA1_ZQ1 42C
4.1E 4.1G CMD<20> 3.3F 3.4C 4.1A 4.1C	FBA_DQS<65 3.48 4.4D 4.5E FBA_DQS<65 3.48 4.4E 4.5E	FBC_D<225 6.287.4C FBC_D<235 6.287.4C	GPIO9_FAN_PWM 17.3C	NVVDD_FB 21.4D NVVDD_FB_RC 21.4D	PEX_TX15 22G 25D	SNN_FBA2_CKE1 4.2E
4.1E 4.1G	FBA_DQS<7> 3.48 4.4E 4.5E	FBC_D-24+> 6.28 7.4C	GPIOQ_FAN_PVMM_Q 17.4F	NVVDD_GND_SENSE 24F21AB	PEX_TX15* 2.2Q.2:5D	SNN_FBA2_CS1 42E
						NVIDIA CORPORATION
						2701 SAN TOMAS EXPRESSWAY
			PAGE DETAIL <edit details<="" here="" insert="" page="" td="" to=""><td>ATIC ONLY, COMMON & NO_STUFF ASSEMBLY NOTES AND BOM NOT FINAL</td><td></td><td>SANTA CLARA, CA 95050, USA NV_PN 600-10681-base-100 A</td></edit>	ATIC ONLY, COMMON & NO_STUFF ASSEMBLY NOTES AND BOM NOT FINAL		SANTA CLARA, CA 95050, USA NV_PN 600-10681-base-100 A
						NV_FN
	ICE BOARDS, FILES, DRAWINGS, DIAGNOSTICS, LISTS AND OTHER DOCUMENTS					
IOWN AND UNKNOWN VIOLATIONS OR DEVIATIONS OF INDUSTRY S	STANDARDS AND SPECIFICATIONS. NVIDIA MAKES NO WARRANTIES, EXPRESSE	OR INFORMATION (TOGETHER AND SEPARATELY, "MATERIALS) ARE BEING PROVIDED 'AS D, IMPLIED, STATUTORY OR OTHERWISE WITH RESPECT TO THE MATERIALS OR OTHERWII CUII AR PIRPOSE OR ARISING FROM A COLIRSE OF DEALING TRADE LINGER TRADE PRAC	SE, AND EXPRESSLY DISCLAIMS ALL			ID

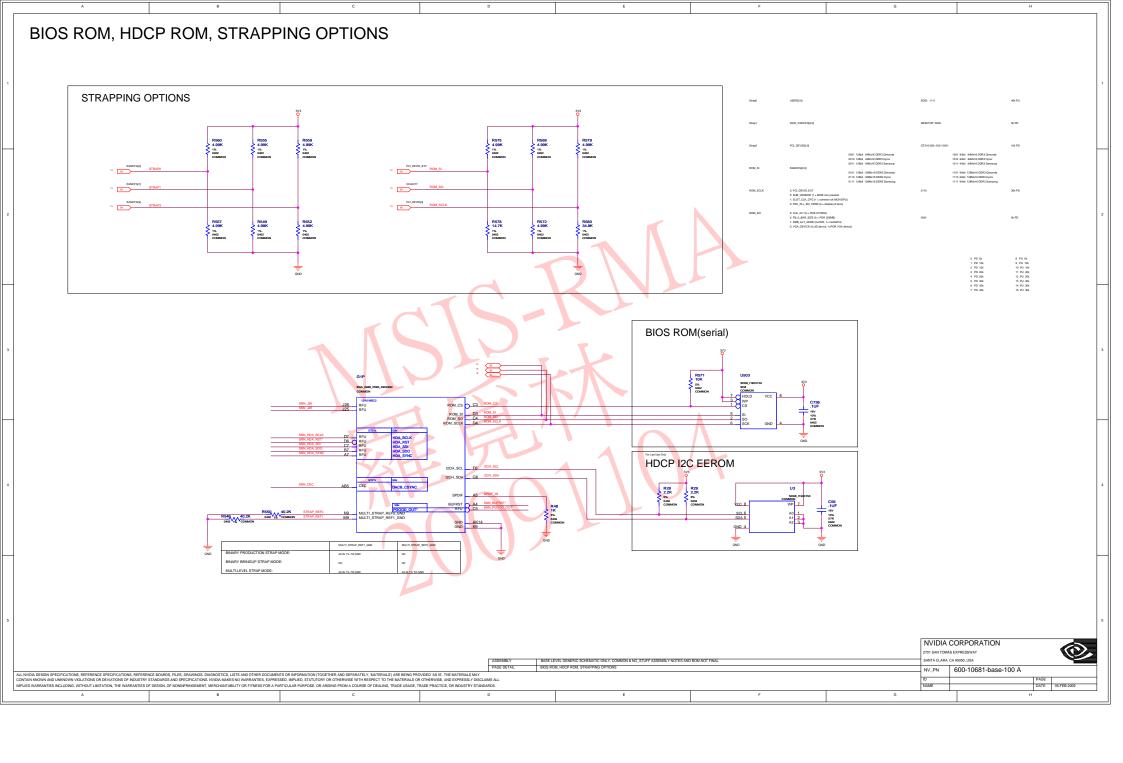
Е

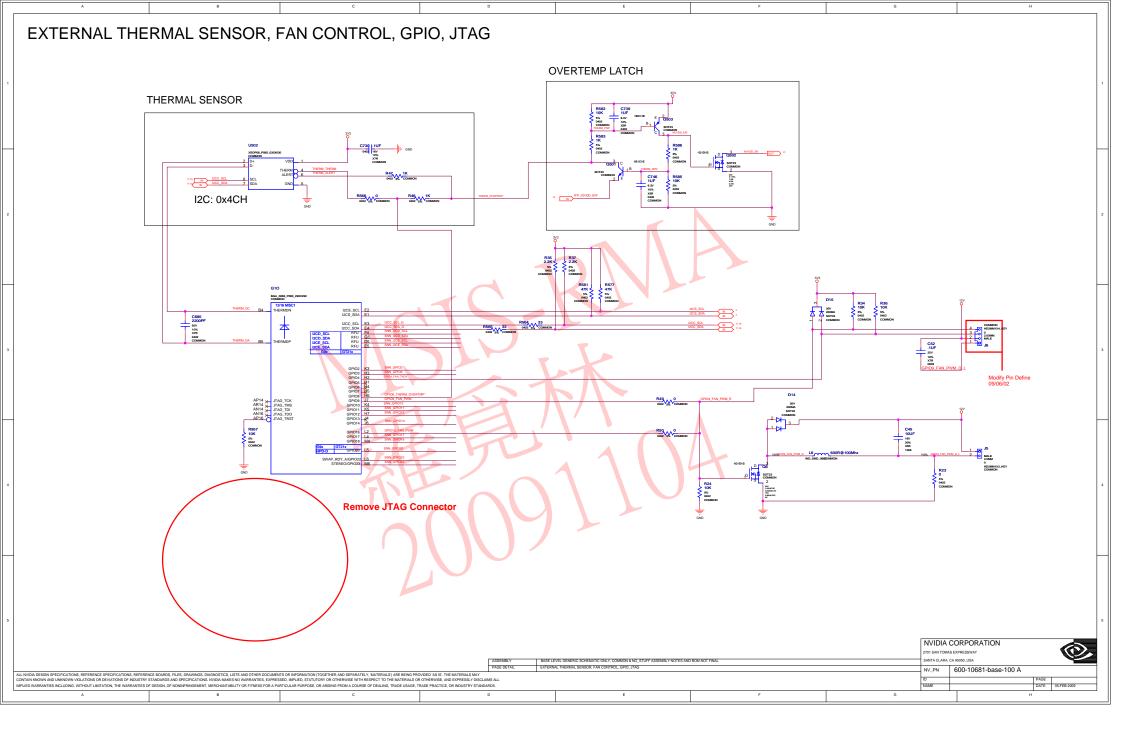
А

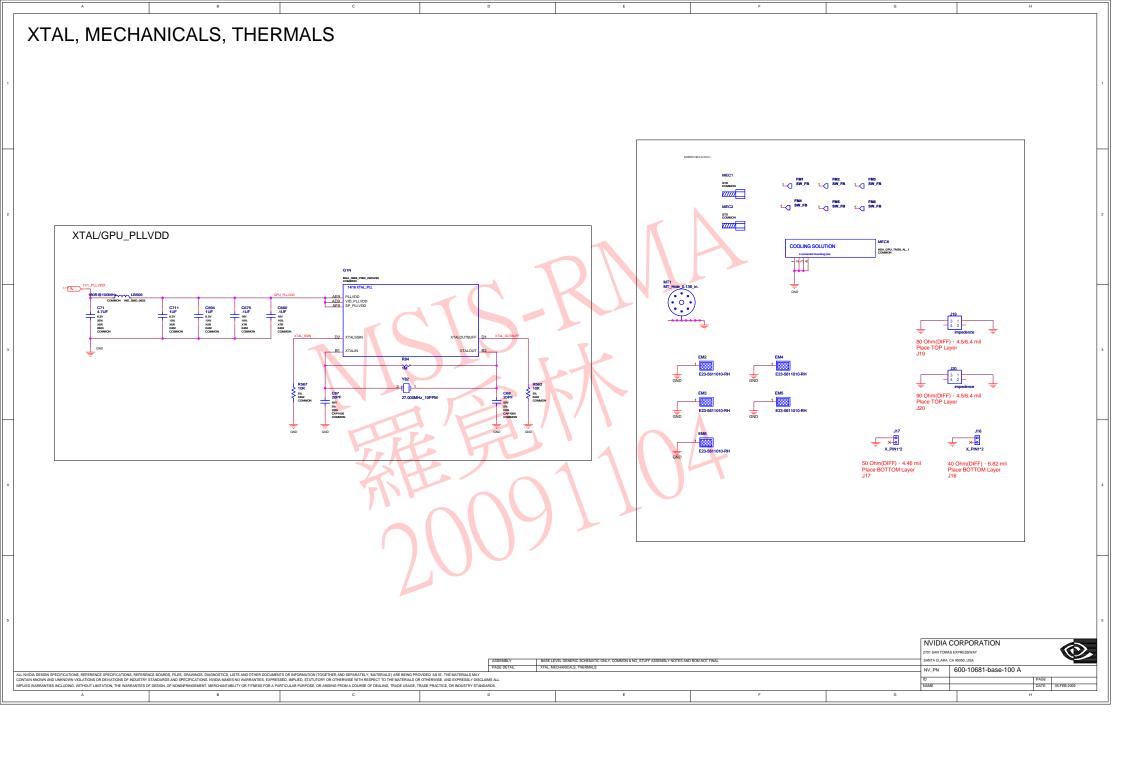
С

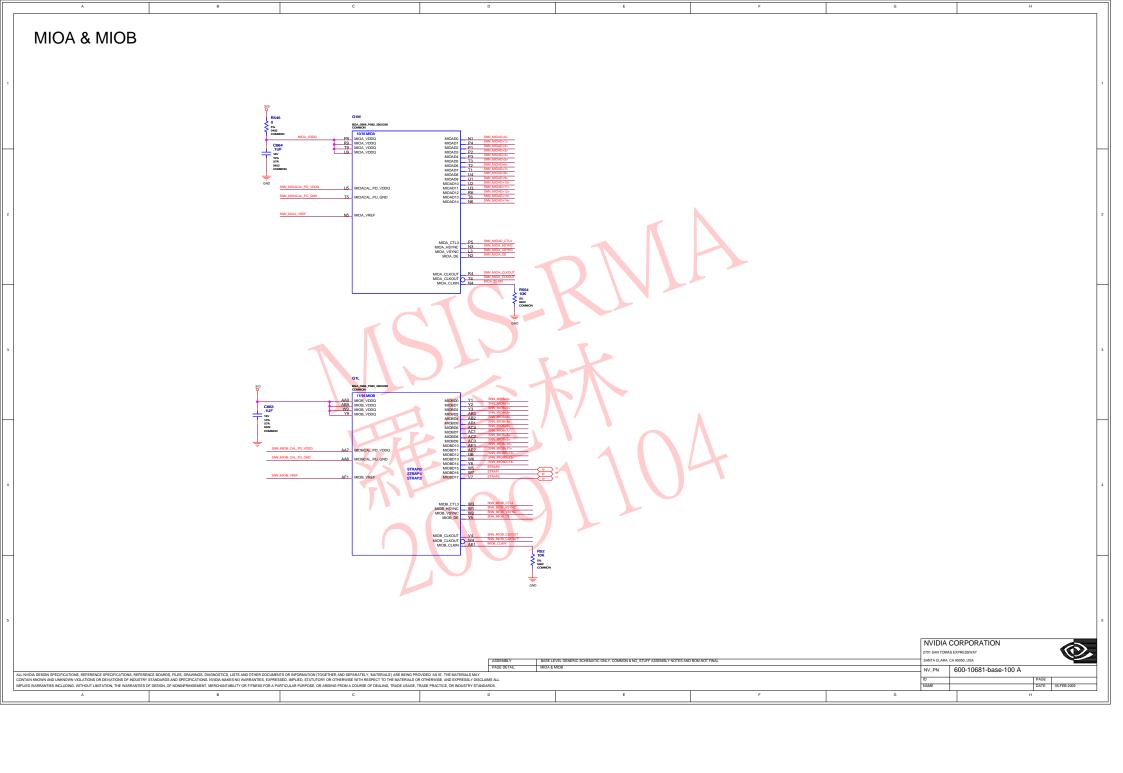


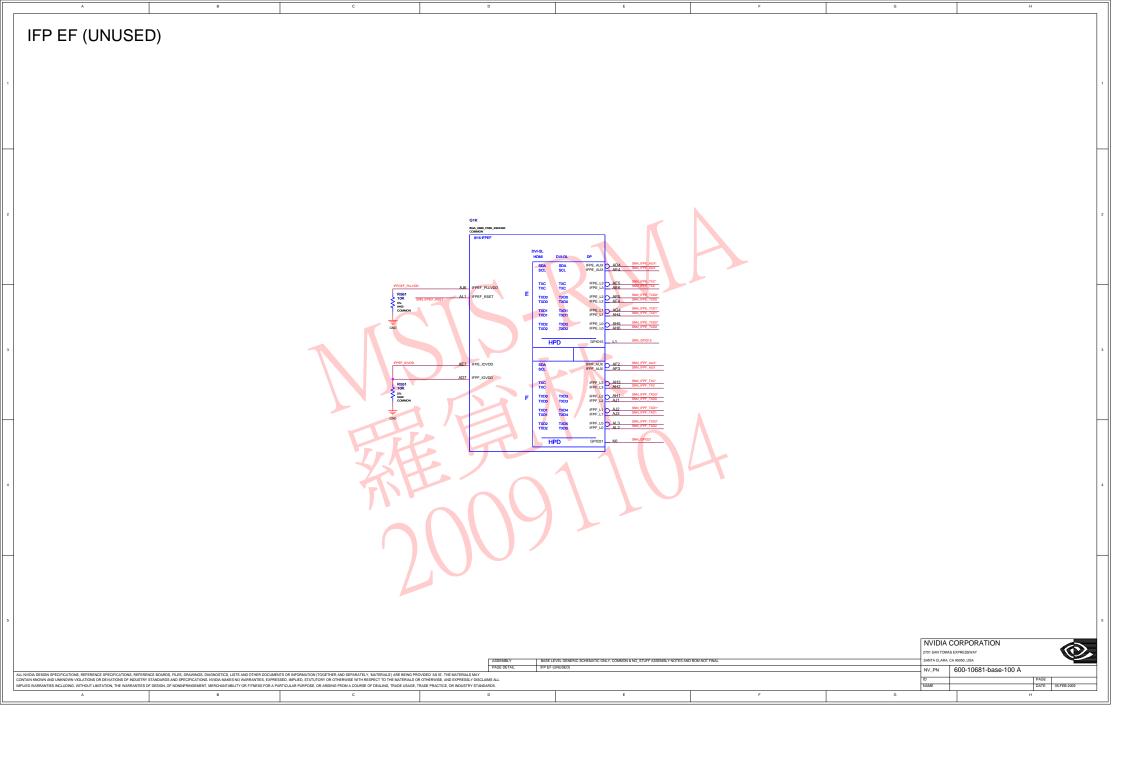


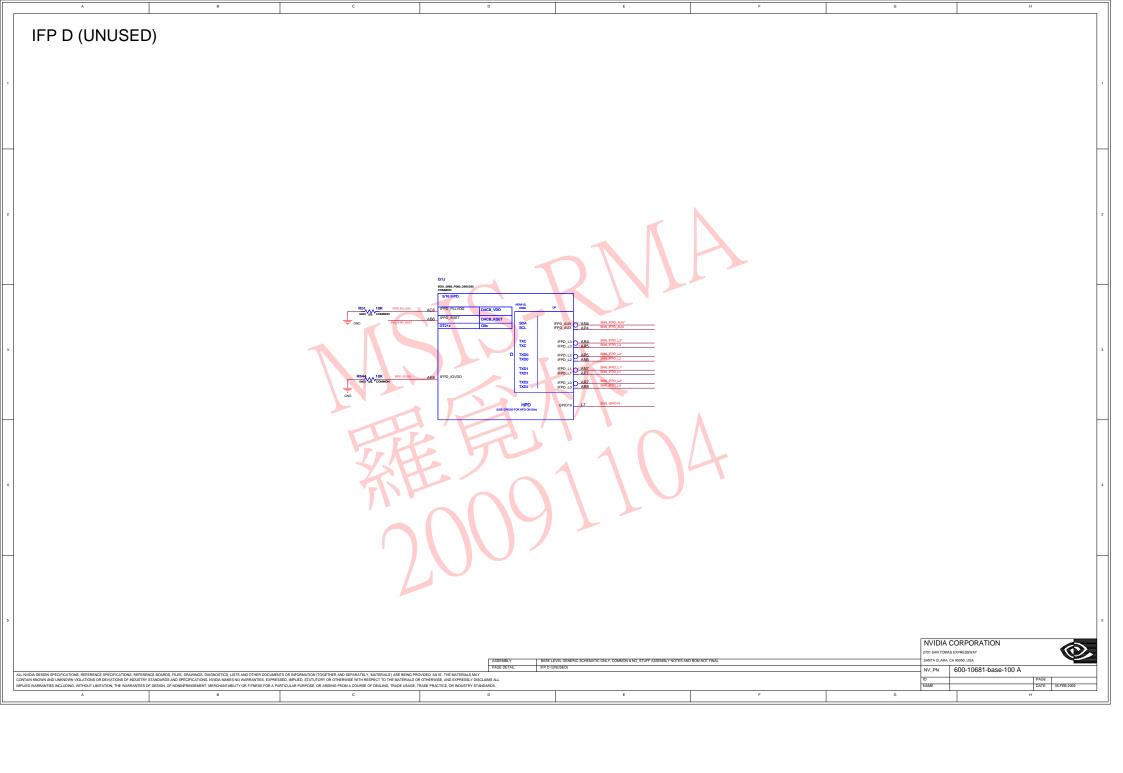


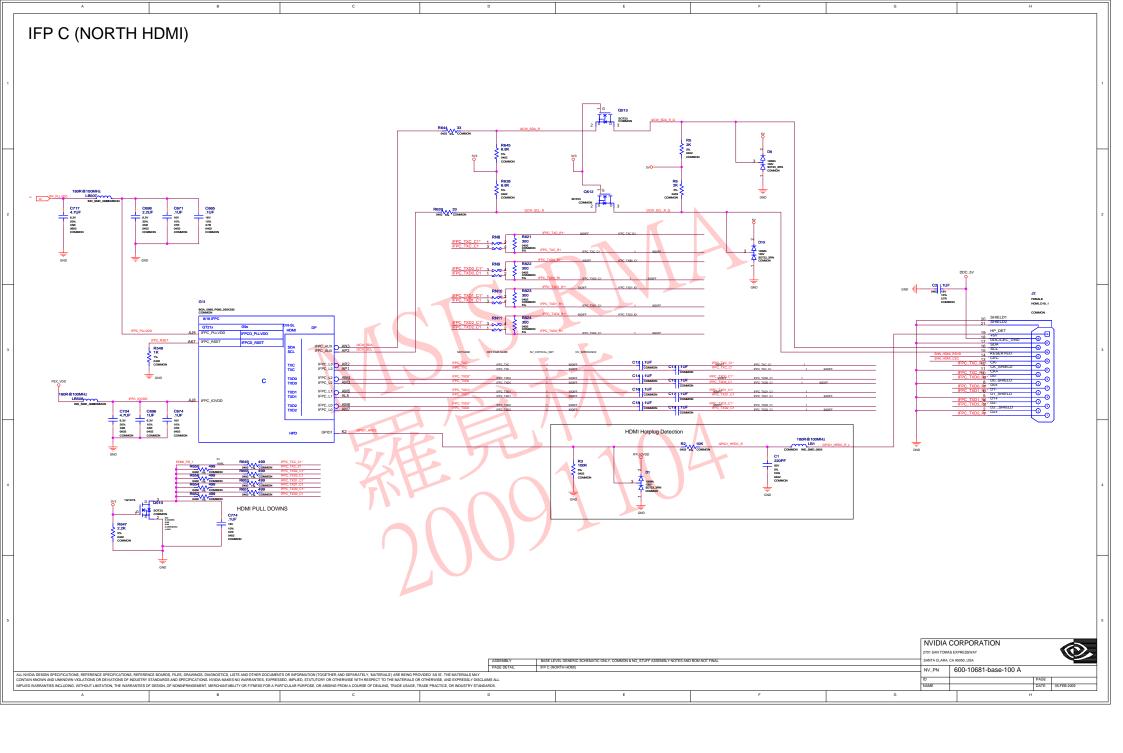


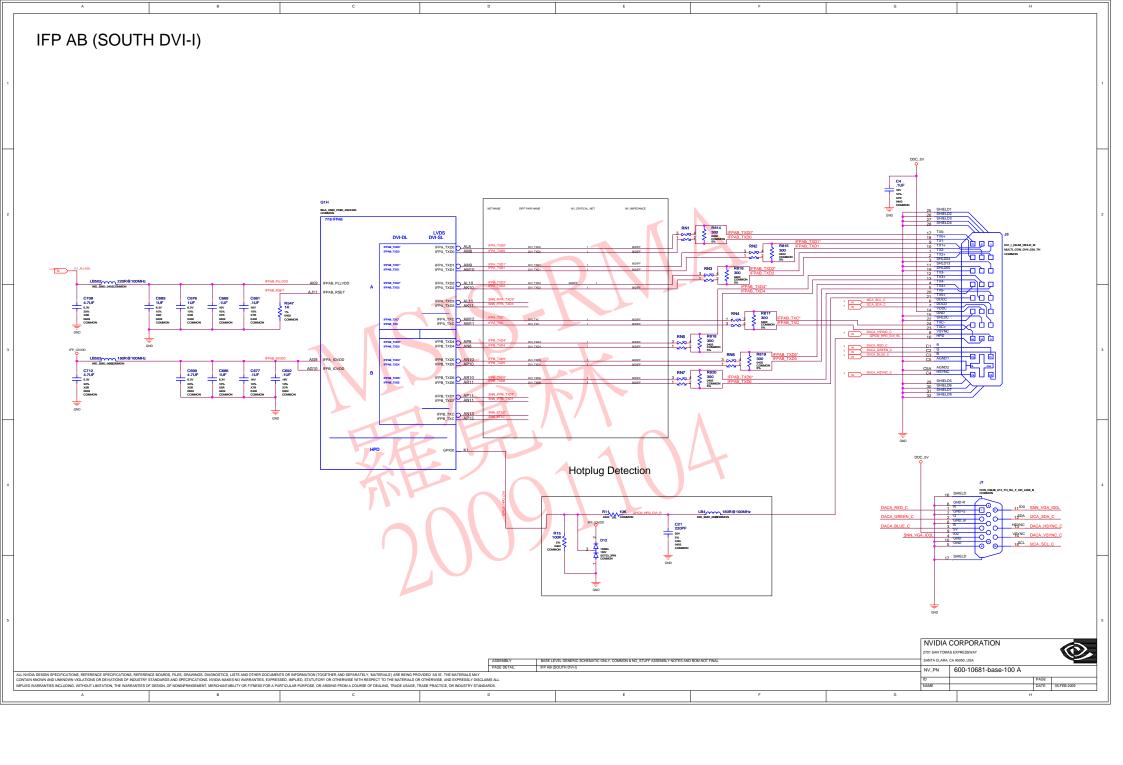


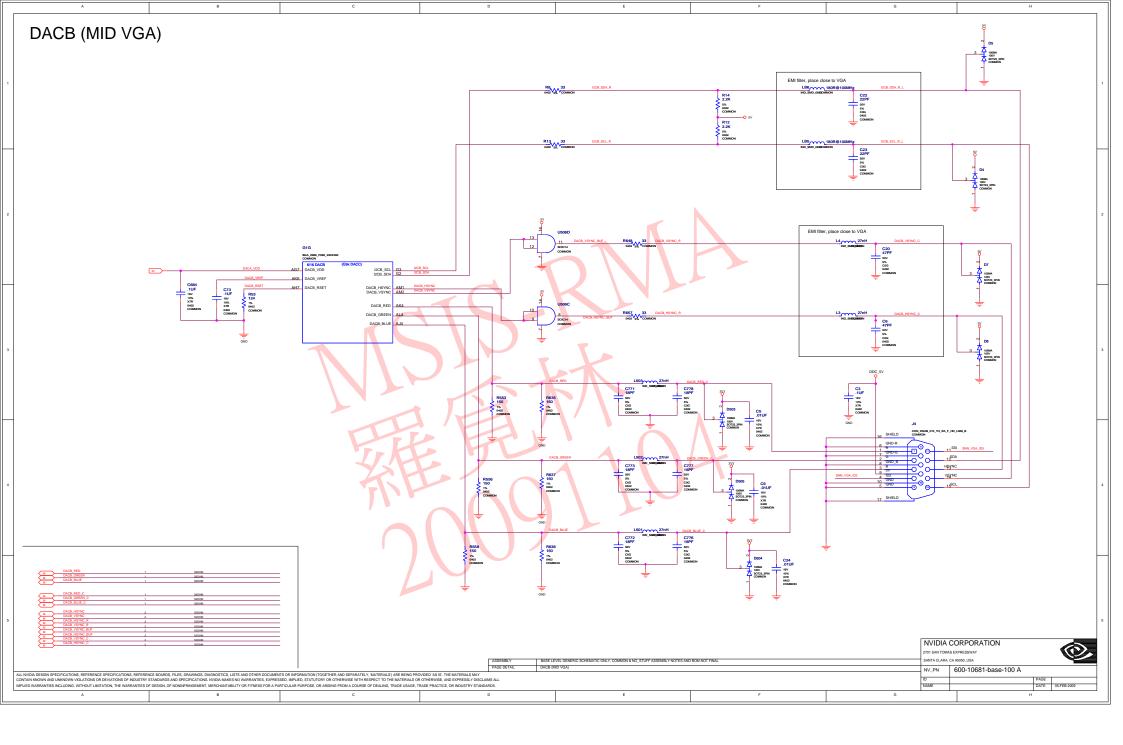












P681-A01 GT215/216 DESKTOP GB1-128 DDR3 PCI-EXPRESSx16 DL-DVI VGA HDMI

Page 1: P681-A01 OVERVIEW

Page 2: PCI-EXPRESS INTERFACE

Page 3: PARTITION A FRAME BUFFER INTERFACE

Page 4: PARTITION A MEMORIES

Page 5: FBA DECOUPLING CAPS & NVVDD DECOUPLING CAPS

Page 6: PARTITION C FRAME BUFFER INTERFACE

Page 7: PARTITION C MEMORIES

Page 8: FBC DECOUPLING CAPS

Page 9: DACA (SOUTH DVI-I)

Page 10: DACB (MID VGA)

Page 11: IFP AB (SOUTH DVI-I)

Page 12: IFP C (NORTH HDMI)

Page 13: IFP D (UNUSED)

Page 14: IFP EF (UNUSED)

Page 15: MIOA & MIOB

Page 16: XTAL, MECHANICALS, THERMALS

Page 17: EXTERNAL THERMAL SENSOR, FAN CONTROL, GPIO, JTAG

Page 18: BIOS ROM, HDCP ROM, STRAPPING OPTIONS

Page 19: LINEAR POWER SUPPLIES

Page 20: FBVDDQ/PEXVDD POWER SUPPLY

Page 21: NVVDD POWER SUPPLY

V199 For Lenovo Schematic Change List 2009/03/31 by STEVEN CHANG

Page 2: Remove JTAG Component

Page 10: Move J1 D-SUB Connector to Page 11

Page 11: Add Slim Type D-SUB Connector

Page 17: Remove JTAG Connector

Page 19: Remove IFP PLLVDD SUPPLY LDO IC

Page 19: Add UP7706 LDO to Change PEX_VDD Power Supply

Page 19: Change AP1117 LDO External Schematic Design

Page 20: Change UP6161 PWM IC to use
UP6101 PWM IC Solution For FBVDDQ Power Supply

Page 20: Change UP6210 PWM IC to use RT9232 PWM IC Solution For NVVDD Power Supply

Page 20: Remove NVVDD SENSE Net

- 4	7					
4	SKU	VARIANT	NVPN	ASSEMBLY		
	В	BASE	600-10681-base-100	BASE LEVEL GENERIC SCHEMATIC ONLY, COMMON & NO_STUFF ASSEMBLY NOTES AND BOM NOT FINAL		
	1	SKU0001	600-10681-0001-100	GT216-300 600/1500MHz 1024MB 64Mx16 BGA100 800MHz DDR3 DVI-I/VGA/HDMI		
	2	SKU0002	600-10681-0002-100.	GT216-300 600/1500MHz 1024MB 64Mx16 BGA100 1000MHz DDR3 DVI-I/VGA/HDMI		
	3	SKU0011	600-10681-0011-100	GT215-300 600/1500MHz 1024MB 64Mx16 BGA100 900MHz DDR3 DVI-I/VGA/HDMI		
	4	<undefined></undefined>	<undefined></undefined>	<undefined></undefined>		
	5	<undefined></undefined>	<undefined></undefined>	<undefined></undefined>		
	6	<undefined></undefined>	<undefined></undefined>	«UNDEFINED»		
	7	<undefined></undefined>	<undefined></undefined>	«UNDEFINED»		
	8	<undefined></undefined>	<undefined></undefined>	«UNDEFINED»		
	9	<undefined></undefined>	<undefined></undefined>	«UNDEFINED»		
	10	<undefined></undefined>	<undefined></undefined>	<undefined></undefined>		
	11	<undefined></undefined>	<undefined></undefined>	<undefined></undefined>		
	12	<undefined></undefined>	<undefined></undefined>	«UNDEFINED»		
	13	<undefined></undefined>	<undefined></undefined>	«UNDEFINED»		
	14	<undefined></undefined>	<undefined></undefined>	«UNDEFINED»		
	15	<undefined></undefined>	<undefined></undefined>	«UNDEFINED»		

NVIDIA CORPORATION

ASSEMBLY BASE LEVEL GENERIC SCHEMITIC DAY, COMMON B NO, STUFF ASSEMBLY NOTES AND BOMNOT FINAL

ALL NUMBLA GESION SPECIFICATIONS, REFERENCE SPECIFICATIONS, MUSIC MUSIC SPECIFICATIONS, MUSIC MUS

