P2012-C01 GM107/GK107 GB4B-128 sDDR3,128bit/64bit, 256M/128M/64Mx16 DVI-I DL/VGA+HDMI/DP+VGA TABLE OF CONTENTS Page Description Table of Contents Block Diagram PCI Express GPU Frame Buffer Partition A GPU Frame Buffer Partition B Memory FBA Partition Memory FBB Partition FB Decoupling(GPU+MEMORY) DACA Slim VGA (South) 10 IFPAB TMDS (South) IFPC HDMI/DP (Middle) 11 12 DACA VGA (North) Unused IFPE & IFPF 13 **GPU Core Decoupling** 16 Thermal, Mechanical, Fan Control, Backdrive 17 18 Power Supply I: PEX_VDD,PEX_PLL,5V 19 Power Supply II:FBVDD/Q Power Supply III: NVVDD NVIDIA CORPORATION 701 SAN TOMAS EXPRESSWAY BASE LEVEL GENERIC SCHEMATIC ONLY SANTA CLARA, CA 95050, USA 600-12012-BASE-QS1 NV_PN ALL WIDDA DESIGN SPECIFICATIONS, REFERENCE SPECIFICATIONS, REFERENCE BOARDS, FILES, CRAIVINGS, DIAGNOSTICS, LISTS AND OTHER DOCUMENTS OR INFORMATION (TOGETHER AND SEPARATELY, MATERIALS) ARE BEING PROVIDED AS IS: THE MATERIALS MAY CONTAIN MOVINA MAD UNKNOWN WILL MANDROWN UNLATIONS OR DEVIATIONS OF DISCIPLINES AND SEPERATE AND SEPARATELY, MATERIALS OR OTHER MERICS, AND SERVESSES AND SEPARATELY MATERIALS OR OTHER MERICS, AND SERVESSES PCB REV BOM REV





































