## TABLE OF CONTENTS Page Description Table of Contents PCI EXPRESS **GPU MEMORY FBA** FB Partition A bits 31..0 FB Partition A bits 63..32 DECOUPLING for DRAMs POWER/DECOUPLING: NVVDD, FBVDDQ, VDD33, GND IFPA/B TMDS DUAL LINK IFPC HDMI/DP, DP\_PWR UNUSED IFPD, IFPE & IFPF 11 DACA VGA BIOS, JTAG, GPIO & XTAL 13 PCI-E Reset, STRAPS & FAN PS: 5V, PEXVDD PEX\_VDD: Open VR Type0 PS: FBVDDQ PS: NVVDD NVIDIA CORPORATION 2701 SAN TOMAS EXPRESSWA SANTA CLARA, CA 95050, USA PAGE DETAIL Table of Contents NV\_PN 600-12131-BASE-000 ALL NVIDIA DESIGN SPECIFICATIONS, REFERENCE SPECIFICATIONS, REFERENCE BOARDS, FILES, DRAWINGS, DIAGNOSTICS, LISTS AND OTHER DOCUMENTS OR INFORMATION (TOGETHER AND SEPARATELY, "MATERIALS") ARE BEING PROVIDED 'AS IS: THE MATERIALS MAY CONTAIN KNOWN AND UNKNOWN VIOLATIONS OR DEVIATIONS OF INDUSTRY STANDARDS AND SPECIFICATIONS, NVIDIA MAKES NO WARRANTIES, EXPRESSED, IMPLIED, STATUTORY OR OTHERWISE WITH RESPECT TO THE MATERIALS OR OTHERWISE, AND EXPRESSLY DISCLAIMS ALL IMPLIED WARRANTIES INCLUDING, WITHOUT LIMITATION, THE WARRANTIES OF DESIGN, OF NONINFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, OR ARISING FROM A COURSE OF DEALING, TRADE USAGE, TRADE PRACTICE, OR INDUSTRY STANDARDS. PCB REV BOM REV PAGE 1 OF 17 DATE 22-AUG-2012

P2131\_A00

GK208 GDDR5 X16 64BIT

DVI-I/DVI-D/SlimVGA + HDMI/DP + VGA































