PG413 A00 GP104 - 8GB GDDR5X, 256b, 256Mx32 Tall DVI-D + DP + DP + DP/HDMI + DP TABLE OF CONTENTS Description Page Page Description Table of Contents 26 PS: FBVDD 2 Block Diagram 27 PS: NVVDD\_OVR8 PCI Express 28 PS: Blank Page PS: NVVDD Phase 1-4 MEMORY: GPU Partition A/B 29 MEMORY: FBA[31:0] PS: NVVDD Phase 5 & 6 30 MEMORY: FBA[63:32] 31 PS: Blank Page MEMORY: FBB[31:0] PS: Dynamic Power Balance Phases 32 PS: Dynamic Power Balance Logic MEMORY: FBB[63:32] 9 MEMORY: GPU Partition C/D 34 PS: NV3V3, NV12V 10 MEMORY: FBC[31:0] 35 PS: Inputs, Filtering, and Monitoring MEMORY: FBC[63:32] 11 36 PS: Shutdown and Sequencing MEMORY: FBD[31:0] 37 PS: 12V Current Steering PSI Control and LED 12 MEMORY: FBD[63:32] MECH: Bracket/Thermal 13 GPU PWR and GND 14 GPU Decoupling IFPAB DVI-D-DL 17 IFPE DP 18 IFPEF DP 19 IFPC HDMI 2.0/DP 20 IFPD DP 21 MIOA/B Interface and Frame Lock MISC1; Fan, Thermal, JTAG, GPIO, Stereo 22 MISC2: ROM, XTAL, Straps 23 PS: 1V8, 1V8\_AON 25 PS: 5V, PEX\_VDD MICRO-STAR INT'L CO.,LTD MS-V336 Sheet 1 of 40













































































