1. add L18 with co-aly res. (11/6) 2. Remove USB power sense(11/11) PG160-B02 8GB GDDR6, 256b, X16 3. Remove 5V pwm ic option(11/12) 4. Remove PTC and FBVDDQ PH2 INPUT OPTION (11/14) 5. Remove 1V8_MAIN output option parts(11/14) DP + DP + HDMI/DP + DP B. Remove J15 and parts(11/16) 7. Remove Input Power Balancing Switcher(11/16 add MLCC cap. on page 16(12/11) TABLE OF CONTENTS Page Description Page Description Page Description 26 PS: 1V8 PLL, 1V8 AON 51 MECH Table of Contents 27 52 PTC PS: 5V 2 Block Diagram 28 PS: PEXVDD 3 PCI Express PS: FBVDDQ 29 4 PCIE RC TERM 30 PS: FBVDDQ PH2 MEMORY: GPU FB_AB 5 PS: NVVDD Controller 6 MEMORY: FBA[31:0] 31 PS: NVVDD Controller OVR3i MEMORY: FBA[63:32] PS: NVVDD Phase 1,2 MEMORY: FBB[31:0] 8 34 PS: NVVDD Phase 3,4 9 MEMORY: FBB[63:32] 35 PS: NVVDD Phase 5.6 10 MEMORY: GPU FB_CD 36 PS: Input Power Balancing Switcher MEMORY: FBC[31:0] 11 PS: Input, Filtering, and Monitoring 37 MEMORY: FBC[63:32] 12 PS: STEERING, UPB & HOT-UNPLUG 38 MEMORY: FBD[31:0] 13 39 PS: Type-C BuckBoost MEMORY: FBD[63:32] 14 40 PD PPC GPU PWR & GND 15 PS: 12V & 3V3 A SWITCHER 16 GPU Decoupling SEQ: 5V, 1V8, NV3V3 ENABLE 17 GPU Decoupling2 43 SEQ: NV, PEX, FB ENABLE 18 IO: IFPAB DVI-D-DL 44 SEQ: VOLTAGE MONITOR 19 IO: IFPE DP SEQ: DISCHARGE 45 20 IO: IFPF USBC 46 SEQ: MISC IO: IFPC HDMI/DP 21 47 LOGO LED IO: IFPD DP 22 LED DRIVER & BOOST 48 23 IO: NVHS Interface and Frame Lock 49 DUAL FAN 24 MISC1: Thermal, JTAG, GPIO, STEREO PS: Pre-filter MISC2: ROM, XTAL, STRAPS 25 Wednesday, December 12, 2018 Sheet 1

































































































