P682: GT216, GB1-128, DDR2 1024MB 64Mx16, DL-DVI, VGA, HDMI 0A 7/10 Page 1: TABLE OF CONTENTS Page 2 Remove JTAG resistor; Disconnector SMCLK to I2CS SCL, SMDAT to I2CS SDA Page 2: PCI EXPRESS INTERFACE, PEX VDD DECOUPLING CAPS Page 3 Add FBA\_CMD18 for A13 Page 3: FBA MEMORY INTERFACE, GPU NVVDD & FBVDDQ DECOUPLING CAPS Page 4 Add FBA\_CMD18 for A13 Page 6 Add FBC CMD18 for A13 Page 4: FBA 16/32Mx32 GDDR3 MEMORIES, FBA COMMAND BUS PU'S, FBA CLK TERMS Page 7 Add FBC\_CMD18 for A13 Page 5: FBA MEMORY FBVDDQ DECOUPLING CAPS Page 11 Add R1101~R1107 for EMI Page 12 Add R1201~R1204 for EMI, Change J2 footprint Page 6: FBC MEMORY INTERFACE Page 13 Remove J1 slim VGA Page 16 Change Crystal Footprint to 2-PIN SMD; Remove Info ROM function Page 7: FBC 16/32MX32 GDDR3 MEMORIES, FBC CMD BUS PU'S, FBC CLK TERMS Page 17 Remove JTAG (J3) Connector Page 8: FBC MEMORY FBVDDQ DECOUPLING CAPS, GPU GND CONNECTIONS Page 19 Cahnge PEXVDD solution to UP7706 Page 20 Change FBVDDQ PWM solution to UP6101 Page 9: DACA (PRIMARY DVI-I) Page 21 Change NVVDD PWM solution to UP6161 Page 10: DACB, SECONDARY DVI-I Page 11: TMDS LINK A/B: DVI-I (SOUTH) 7/13 Page 12: LINK C: HDMI (NORTH AND MID) Page 17 Modify PIN4 for co-lay connector (4PIN and 2PIN) Page 18 Remove HDCP Page 13: LINK D: DISPLAYPORT (NORTH) Page 19 change IFPPLLVDD to 3V3 Page 14: LINK E/F: DVI-I (MID) Page 15: MIOA & MIOB, SLI CONNECTOR Page 19 add PEX\_PLLVDD Page 16: XTAL, MECHANICALS, THERMALS 7/16 Page 16 Add R1601,R1602 Page 17: EXTERNAL THERMAL SENSOR, 4PIN FAN CONTROL, GPIO, JTAG Page 19 Remove 1V8 Page 18: BIOS ROM, HDCP ROM, STRAPPING OPTIONS 7/20 Page 19: POWER SUPPLY LINEARS: 5V, DDC5V, IFP PLLVDD, IFP IOVDD, 3V3 FILTER, 12V FILTER, 12V EXT Page 5 Add FBA CMD18's Terminations Page 6 Add FBC\_CMD18's Terminations Page 20: POWER SUPPLY: FBVDDQ SINGLE PHASE SWITCHER, PEX\_VDD LINEAR Page 21 Remove C926,C931 Page 21: POWER SUPPLY: NVVDD DUAL PHASE SWITCHER 20 8/24 Only change PCB ver: BASE LEVEL GENERIC SCHEMATIC ONLY, COMMON & NO. STUFF ASSEMBLY NOTES AND BOM NOT SECRETARY CONTRIBUTION OF CONT NVIDIA CORPORATION ANTA CLARA, CA 95050 LISA PAGE DETAIL TABLE OF CONTENTS 600-10682-base-100 A NV PN ALL WORD DESIGN SPECIPICATION, REFERENCE SPECIPICATION, REFERENCE BOARDS, FLES, DRAININGS, DIAGNOSTICS, LETS AND OTHER DOCUMENTS OR NORMATION (TOCETHER AND SEPNATELY, MATERIALS) ARE BEING PROVIDED AS IS. THE MATERIALS MAY
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