7 3 1. ALL RESISTANCE VALUES ARE IN OHMS, 0.1 WATT +/- 5%. REV DESCRIPTION OF REVISION 2. ALL CAPACITANCE VALUES ARE IN MICROFARADS. DATE 3. ALL CRYSTALS & OSCILLATOR VALUES ARE IN HERTZ. SCHEM, MLB_LDO, K6 PVT, 3/18/10 Page Page Contents Sync Contents Sync 46 Table of Contents K17_MLB 47 System Block Diagram WELLSPRING 1 48 Power Block Diagram WELLSPRING 2 49 K24_MLB 07/20/2009 BOM Configuration Sudden Motion Sensor (SMS) K24_MLB 07/20/2009 50 Revision History SPI ROM 08/31/2009 51 FUNC TEST K24_MLB 07/22/2009 AUDIO: CODEC/REGULATOR AUDIO: LINE INPUT FILTER Power Aliases 53 SIGNAL ALIAS AUDIO: HEADPHONE FILTER K24_MLB 54 CPU FSB AUDIO: SPEAKER AMP T27_MLB 55 56 CPU Decoupling T27_MLB 57 12 eXtended Debug Port (mini-XDP) 58 14 59 15 60 MCP PCIe Interfaces 16 61 MCP Graphics IMVP6 CPU VCore Regulator 11/23/2009 62 MCP SATA, USB & Ethernet MCP VCore Regulator 18 CPU VTT(1.05V) SUPPLY 19 MCP Power & Ground Misc Power Supplies 20 MCP89 Memory Rail Gating 65 Power Sequencing 21 MCP89 GFX Core Rail Gating T27_MLB Power FETs 22 67 MCP Standard Decoupling LVDS CONNECTOR 23 68 MCP Graphics Support DISPLAYPORT SUPPORT 24 69 SB Misc DisplayPort Connector 25 70 DDR3 SO-DIMM Connector A LCD Backlight Driver 07/28/2009 26 71 DDR3 SO-DIMM Connector B LCD Backlight Support 06/19/2009 27 DDR3 BYTE/BIT SWAPS-K6 72 CPU/FSB Constraints 09/29/2009 73 FSB/DDR3 Vref Margining T27_MLB 07/28/2009 Memory Constraints 29 74 RIGHT CLUTCH CONNECTOR MCP Constraints 1 09/30/2009 75 30 SecureDigital Card Reader MCP Constraints 2 T27_MLB T27_MLB 76 31 Ethernet PHY (Caesar II/IV) Ethernet Constraints 77 32 FireWire Constraints T27_MLB T27_MLB 07/20/2009 78 33 34 79 K6/K69 Specific Constraints 07/28/2009 35 80 K6/K69 PCB Rule Definitions 09/06/2009 36 08/27/2009 External USB Connectors 38 Internal USB Support 39 40 SMC Support T27_MLB LPC+SPI Debug Connector T27_MLB 42 K6 SMBUS CONNECTIONS 43 Voltage Sensing 44Current Sensing 45 Thermal Sensors SCHEM, MLB LDO, K6 Schematic / PCB #'s 051-8563 D Apple Inc. PART NUMBER QTY DESCRIPTION REFERENCE DES BOM OPTION CRITICAL A.13.0 051-8563 SCHEM, MLB_LDO, K6 SCH CRITICAL. NOTICE OF PROPRIETARY PROPERTY THE INFORMATION CONTAINE HEREIN IS THE MEDICAL PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE POSSESSOR AGREES TO THE POLLOWING:
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