C116-B, NV18B/NV31/NV34, 8MX16DDR, 64MB, VIDEO OUT, VGA Page Overview HISTORY: 1 C116B PAGE OVERVIEW A. Change R534 from 2.43K_1% to 2.55K_1% (R11-2551T13-Y01), R533 change from 1.05K_1% to 1.18K_1% (R11-1181T13-Y01) to get FBVDDQ=2.528V B. Add R591 (2.2 ohm 0603 5%) and C409 (2200p 0603) to reduce VRM noise on L1 pin1. 2 NV18B AGP Section and AGP connector 200. SHORT ALL MEMORY DAMPING RESISTOR AND CHANGE COLOR TO RED. 210. ADD FBAA12 TO SUPPORT 16M*16 MEMORY 3 NV18B FRAME BUFFER Interface 4 MEMORY 64MB, 8Mx16DDR Bits 0..31 5 MEMORY 64MB, 8Mx16DDR Bits 32..63 1 change all 0402 footprint to 0603. 6 NV18B STRAPPING, I/O Interface & BIOS, FAN CONNECTOR a.removeC62,C590,C574,C566,C615,C628,C642,C631,C626,C648,C647,C645,C624,R609,R625 b.add 2 MOSFET for U200 daul-lay 7 NV18B DACA, DACB output, SYNC amplifier & PLL Section 8 PRIMARY DISPLAY Filter and Connector remove C603, C609, C618, C611, C612, C610, C604, C592, R768, R770, R772, R774 9 NV18 TMDS Power, VIDEO OUT CONNECTOR 4.Page 4,5 a.removeC1112,C238,C241,C1115,C250,C1113, C1114, C228, C230, C1120, C1119, C247, C245, C244, 10 POWER SUPPLY & A3V3 & FBVDDQ & NVVDD & FBVDD C1121, C232, C1122 11 MECHANICS b.removeC1100,C247,C277,C1101,C1102,C286,C264, C1104, C1106, C280, C281, C299, C1107, C1108, C269,C270 c.remove memory data all damping (15ohm). d.Move bypass capacitors (C1161, C1162, C1163, C1164) of memory clock to close GPU (PAGE3). remove U13(BIOS(ALTERNATIVE)), TEMP Sensor 6.Page 7 change Y3 package to DIP remove R695, R694, R693, R7, R1, C788, C797, C819, C806, C787, C796, C805, C818, C786, C795, C817, C804, L510, L509, L508 a.remove S_OUT1, AV_OUT1, C789, C809, C790, C810,C791,C812,L519,L520,L521 b.add 9pin-mini-din 9. Page 11 a.remove ISL6529 b.add mosfet and OP(LM358) for NVVDD, FBVDD, FBVDDQ c.change C41,C39 to DIP package 0728 change data[48:63) sequence ddr suport 16*16M SUPORT NV18B

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