C116-B, NV31/NV34, 2M/4M/8M/DDR, 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 NV34 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 NV34 FRAME BUFFER Interface 4 MEMORY 128M, 2M/2M/8Mx32DDR Bits 0..63 5 MEMORY 128M, 2M/2M/8Mx32DDR Bits 64..127 1 change all 0402 footprint to 0603. 6 NV34 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 NV34 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 NV34 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 change data[48:63) sequence ddr suport 16*16M SUPORT NV18B

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