MS-V091 -- G84, 256/512 MB 16x32 DDR3-136pin, DVI-I,SD/HDTV,VIVO, **Rev History SUMMARY:** OΑ 1. Base on V069-100 to Modify HDMI change to internal support Page 3 Enable G23pin H_PLLVDD 1V2 for G84 only 2. BGA-136 DDRIII Page 11 reserve G84 SLI circuit 3. RT-8805 Two Phase PWM for NVVDD Page 12,13,14 reserve DAC_Vref power for G84 DACA,B,C 4. MS-11 for FBVDD Page 16 reserve 1V8 for G84 IFPAB_PLLVDD Table of Contents: Page 17 reserve 1V8 for G84 IFPCD_PLLVDD Page 1: TITLE Page 18 reserve 1V2 for G84 PLLVDD and VID_PLLVDD Page 2: PCIe INTERFACE Page 3: FBA INTERFACE Page 20 reserve MIOB_CTL3 new strap for G84 PCI_DEVID_4 Page 4: FB A1 Page 20 reserve ROM_SI pull-down resister required if MIOA VDDQ=2.5V for G84 Page 5: FBA DECOUPLING Page 21add 1V8 power for G84 Page 6: FB A2 Page 22,23 Reserve MS-V1co-lay circuit Page 7: FBC INTERFACE Page 8: FB C1 100 Page 9: FBC DECOUPLING Page 3 H PLLVDD 1V2 use 0ohm connect to PEX1V2 Page 10: FB C2 Page 11: MIOA/MIOB Page 3 Reserve G84 Dual Rank(Stacked Die) circuit FBA_CMD7---CS1 FBA_CMD27---BA2 Page 12: DACC Page 7 Reserve G84 Dual Rank(Stacked Die) circuit FBC CMD7----CS1 FBC CMD27---BA2 Page 13: DACA Page 7 Reserve I2CS citcuit for G84 Page 14: DACB Page 6,10 Enable FBAA2 and FBCC2 BA2 Pin this is for Stacked Die Function Page 15: VIDEO CAPTURE Page 13 Modify RGB circuit Page 16: TMDS LINK A & B Page 15 Modify SAA7115 RESET circuit Page 17: TMDS LINK C & D Page 18 Modify Spidf circuit Page 18: 4-Pin Video-In/SPDIF IN Page 19: GPIO/ROM/HDCP ROM Page 21 Modify Linear Power circuit Page 20: Straps/Mechanical Page 22 NVVDD PWM Change to RT-8805 Two Phase Page 21: Linear Power Page 22,23 Remove MS-V1co-lay circuit Page 22: NVVDD with MS-11 MS-V1 Page 23: FBVDD with MS-11 MS-V1 110 Page 3 Connect FBVDD for G84 Page 18 Reverve other Spidf circuit Page 22 Co-lay small chock for NVVDD V091-Base on V089-110 to Modify 1.Modify to power NVVDD and FBVDDQ cirdcuit 2.Remove HDMI Circuit Add DIV Circuit 3.Rem SPIDF Circuit 4.Add Dual VBIOS Circuit 5.Add Thermal Protection Circut SUMMARY MS-V091













































