MS-V091 -- G84, 256/512 MB 16x32 DDR3-136pin, DVI-I,SD/HDTV,VIVO,

SUMMARY:

- 1. Base on V069-100 to Modify HDMI change to internal support
- 2. BGA-136 DDRIII
- 3. RT-8805 Two Phase PWM for NVVDD
- 4. MS-11 for FBVDD

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Rev History

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- Page 11 reserve G84 SLI circuit
- Page 12,13,14 reserve DAC_Vref power for G84 DACA,B,C
- Page 16 reserve 1V8 for G84 IFPAB PLLVDD
- Page 17 reserve 1V8 for G84 IFPCD PLLVDD
- Page 18 reserve 1V2 for G84 PLLVDD and VID_PLLVDD
- Page 20 reserve MIOB_CTL3 new strap for G84 PCI_DEVID_4
- Page 20 reserve ROM SI pull-down resister required if MIOA VDDQ=2.5V for G84
- Page 21add 1V8 power for G84
- Page 22,23 Reserve MS-V1co-lay circuit

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- Page 3 H_PLLVDD 1V2 use 0ohm connect to PEX1V2
- Page 3 Reserve G84 Dual Rank(Stacked Die) circuit FBA_CMD7----CS1_FBA_CMD27---BA2
- Page 7 Reserve G84 Dual Rank(Stacked Die) circuit FBC CMD7----CS1 FBC CMD27---BA2
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- Page 6,10 Enable FBAA2 and FBCC2 BA2 Pin this is for Stacked Die Function
- Page 13 Modify RGB circuit
- Page 15 Modify SAA7115 RESET circuit
- Page 18 Modify Spidf circuit
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- Page 22 NVVDD PWM Change to RT-8805 Two Phase
- Page 22,23 Remove MS-V1co-lay circuit

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- 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













































