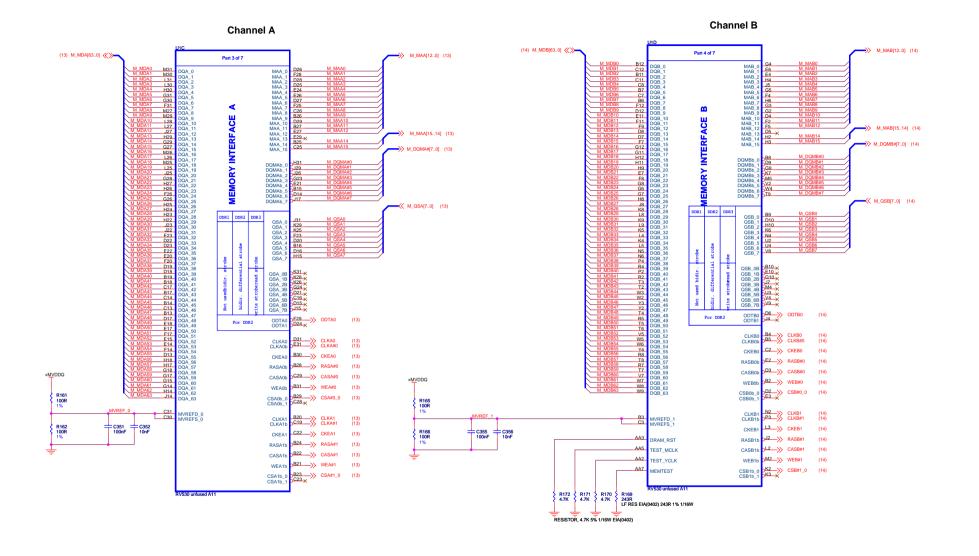
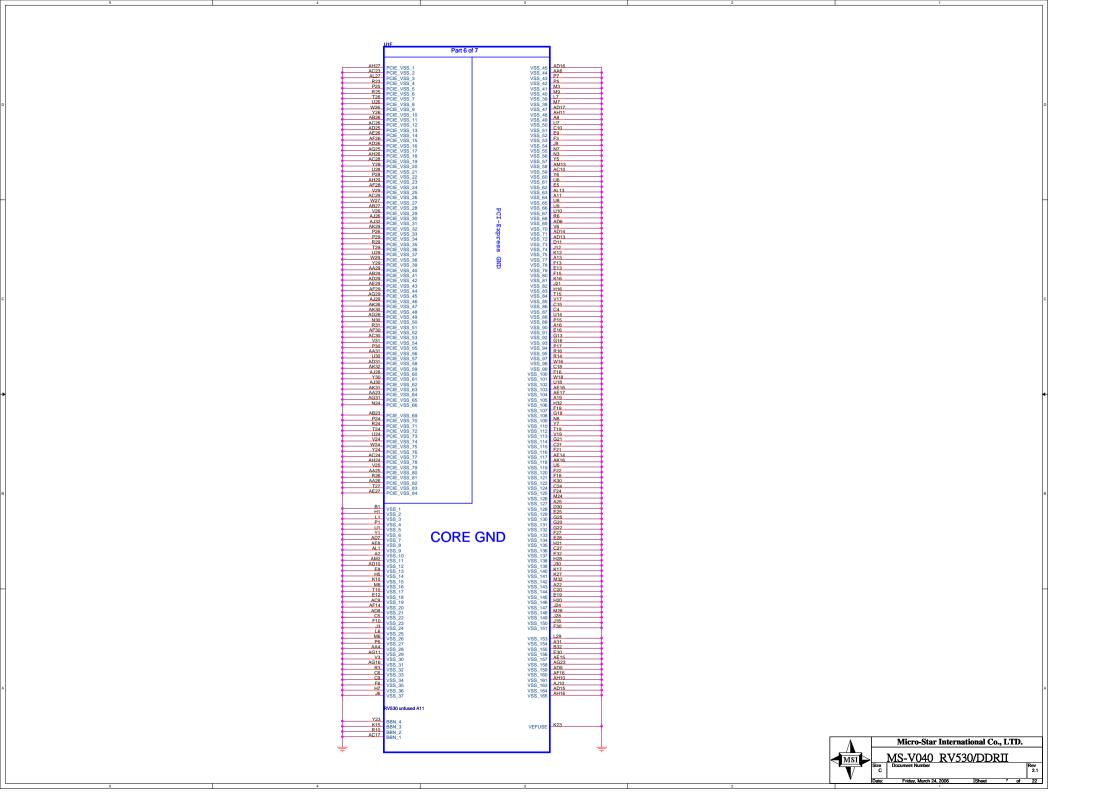
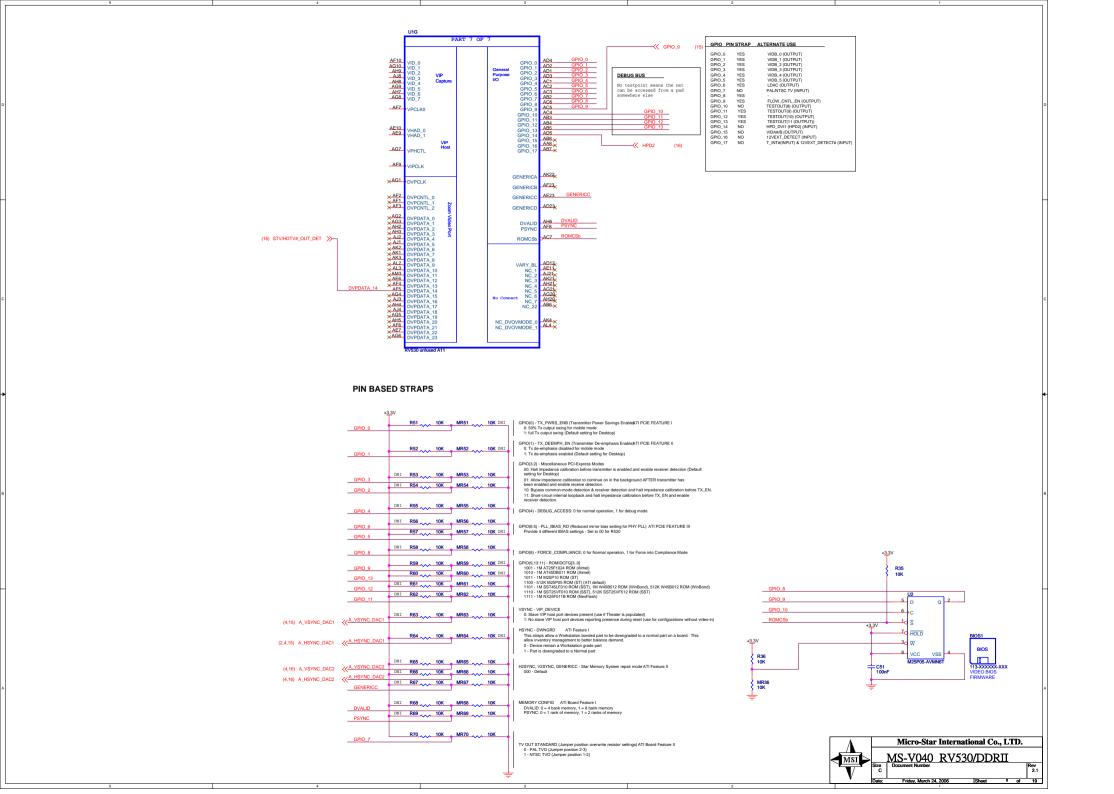


## RV530 MEMORY CHANNELS A and B

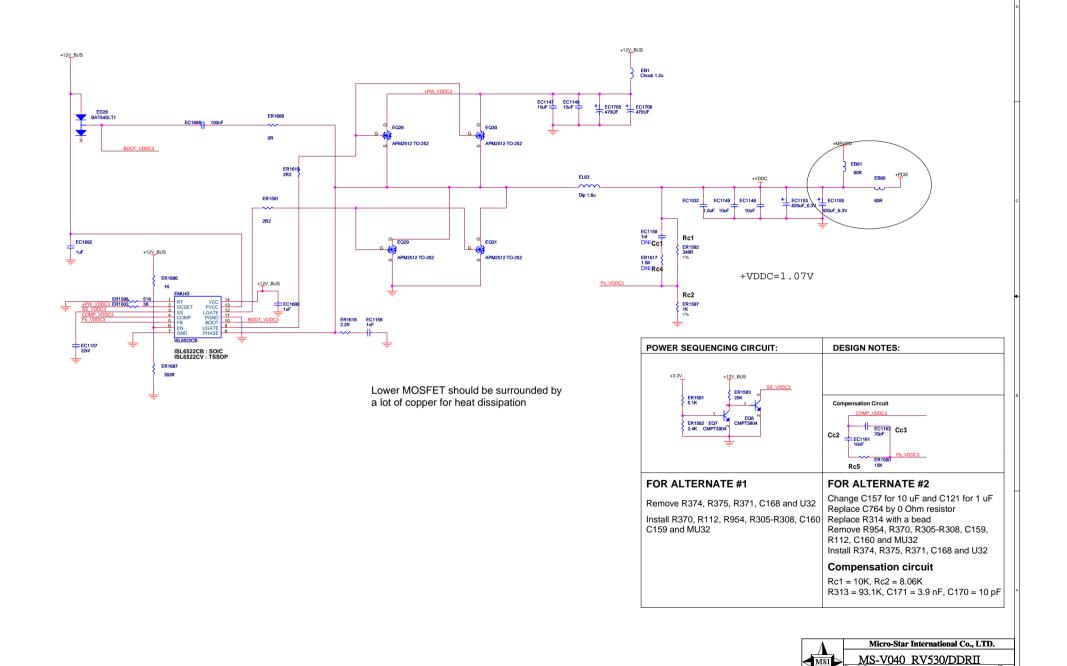


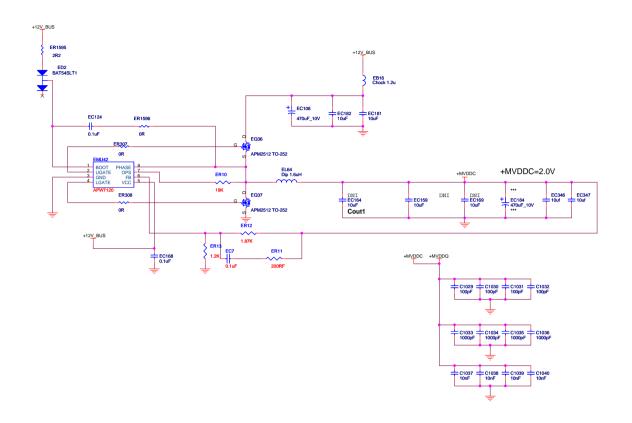






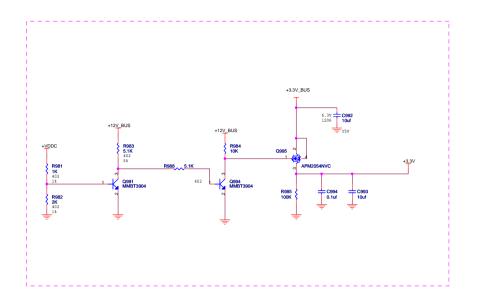
## **CORE REGULATOR VDDC**

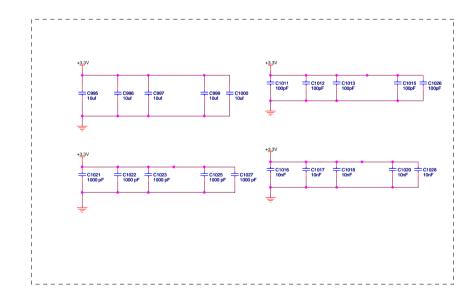




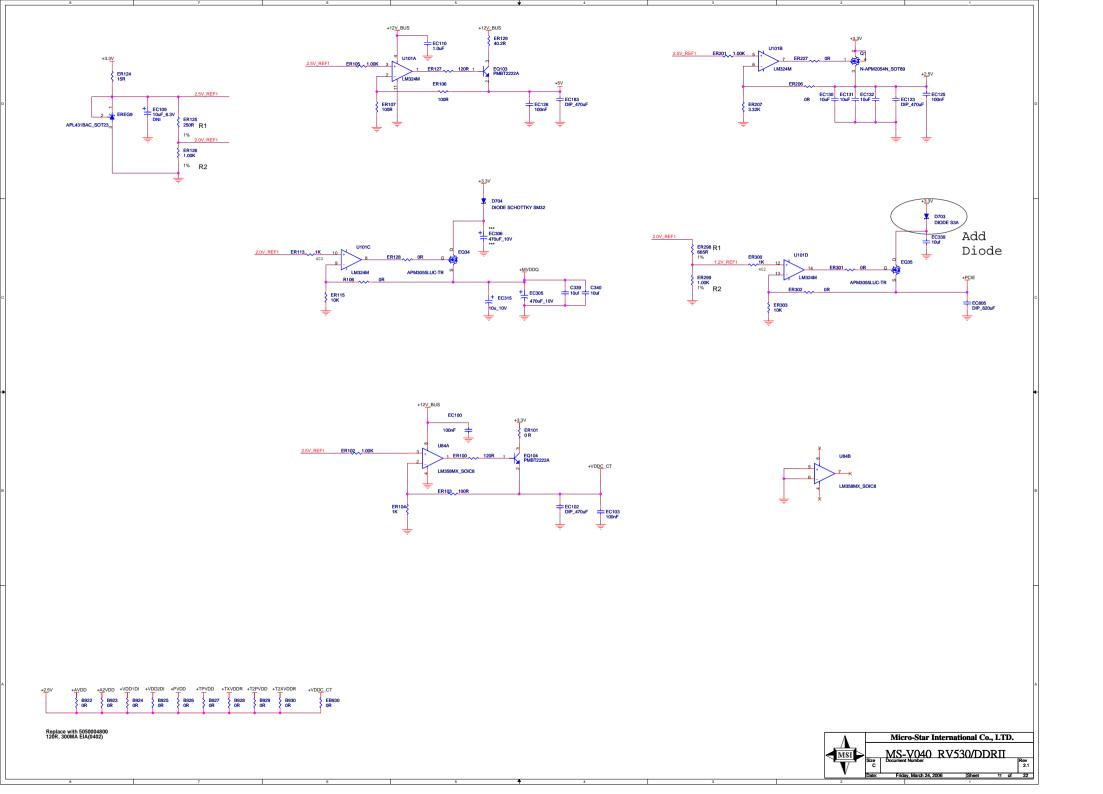
Micro-Star International Co., LTD.

MS-V040 RV530/DDRII
Size Document Namber
Coulom
Date: Friday, March 24, 2006 Sheet 10 of 19









## **CHANNEL A: RANK 0 128MB DDR2** (6) M MDA[63..0] ≪≫ CLKA#0 K8 CLKA0 CLKA#1 X K8 CLKA1 JB +MVDDQ CKEA1 >>-CKEA1 >>-+MVDDC +MVDDC +MVDDC +MVDDC Replace with 5050004800 Replace with 5050004800<sub>6</sub>) Replace with 5050004800 (6) Replace with 5050004800 B204 0R 120R, 300MA EIA(0402) 120R, 300MA EIA(0402) 120R, 300MA EIA(0402) 120R, 300MA EIA(0402) VDDL VSSDL VDDL VSSDL VDDL VSSDL VDDL VSSDL ODTA0 >>-M\_QSA2 F7 R211 10R E8 VSSQ1 VSSQ2 VSSQ3 VSSQ4 VSSQ5 VSSQ6 VSSQ7 VSSQ8 VSSQ9 VSSQ10 M\_QSA3 R212 10R M\_QSA1 B7 R214 10R A8 M\_QSA7 R216\_\_\_\_\_\_10R M\_QSA4 R218 10R NC#A2 NC#E2 NC#L1 NC#R3 NC#R7 NC#R8 IC#A2 IC#E2 IC#L1 IC#R3 IC#R7 IC#R8 VSS1 VSS2 VSS3 VSS4 VSS5 R202 = C413 4.99K 100nF R204 4.99K R206 4.99K + C463 100nF R208 4.99K +MVDDQ C406 C407 C408 C409 C410 1uF\_6.3V 1uF\_6.3V 1uF\_6.3V 1uF\_6.3V 402 402 R222 56R 402 R209 4.99K R219 4.99K R210 4.99K R220 4.99K Micro-Star International Co., LTD. Wednesday, March 29, 2006 Sheet

## **CHANNEL B: RANK 0 128MB DDR2** (6) M MAB[15..14] >> (6) M MAR(12 0) >> +MVDDO +MVDDC Replace with 5050004800 B301 0R120R, 300MA EIA(0402) Replace with 5050004800<sub>6</sub> Replace with 5050004800 (6) Replace with 5050004800 120R, 300MA EIA(0402) ODTRO >> K9 C511 100nF C561 = C562 100nF 1uF\_6.3V C585 = C586 100nF 1uF\_6.3V VSSQ1 VSSQ2 VSSQ3 VSSQ4 VSSQ5 VSSQ6 VSSQ7 VSSQ8 VSSQ9 VSSQ10 VREF\_B0 ±M\/DDO ±M∨DDO +MVDDO +MVDDO R301 4.99K R303 4.99K R305 4.99K R306 R302 4.99K R304 4.99K R308 4.99K C587 100nF 4.99K C556 C557 C558 C559 C560 1uF\_6.3V 1uF\_6.3V 1uF\_6.3V 1uF\_6.3V 1uF\_6.3V +MVDDQ +MVDDQ R309 4.99K R319 4.99K VREF\_B0 R310 4.99K Micro-Star International Co., LTD. (6) CLKB#1 <<-Wednesday, March 29, 2006 Sheet

