

DDR2 Registered DIMMs

Evaluated with the Third-Generation Six-Core AMD Opteron™ Socket F (1207) Processor

Introduction

This list contains DDR2 registered DIMMs that have been evaluated by AMD and have shown reliable operation on the AMD internal reference platform with the Third-Generation Six-Core AMD Opteron™ Processor. Testing included functional testing using frequency and V_{REF} margining, as well as functional corner testing over temperature and V_{DD} .

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DDR2-800 Registered DIMMs

| Supplier | DIMM Size | DIMM Config | DRAM Config | DIMM P/N |
|----------|-----------|-------------|-------------|-----------------------|
| Elpida | 1GB | 1Rx8 | 128Mx8 | EBE10AE8ACFA-8E-E |
| | 2GB | 1Rx4 | 256Mx4 | EBE20AE4ACFA-8E-E |
| | 4GB | 2Rx4 | 256Mx4 | EBE41AE4ACFA-8E-E |
| Hynix | 1GB | 1Rx8 | 128Mx8 | HYMP112P72CP8-S5 |
| | 2GB | 1Rx4 | 256Mx4 | HYMP125P72CP4-S5 |
| | | 2Rx8 | 128Mx8 | HYMP125P72CP8-S6 |
| | 4GB | 2Rx4 | 256Mx4 | HYMP151P72CP4-S6 |
| | | | | |
| Micron | 1GB | 1Rx8 | 128Mx8 | MT9HTF12872PY-80EE 1 |
| | 2GB | 1Rx4 | 256Mx4 | MT18HTF25672PY-80EE 1 |
| | | 2Rx8 | 128Mx8 | MT18HTF25672PDY-80EG1 |
| | 4GB | 2Rx4 | 256Mx4 | MT36HTF51272PY-80EG1 |
| | | | | |
| Nanya | 2GB | 1Rx4 | 256Mx4 | NT2GT72U4PD0BV-AD |
| | 4GB | 2Rx4 | 256Mx4 | NT4GT72U4ND0BV-AD |
| Samsung | 1GB | 1Rx8 | 128Mx8 | M393T2863QZA-CE7 |
| | | 1Rx4 | 128Mx4 | M393T2950GZA-CF7 |
| | | 2Rx8 | 64Mx8 | M393T2953GZA-CF7 |
| | 2GB | 2Rx4 | 128Mx4 | M393T5750GZA-CF7 |
| | | 1Rx4 | 256Mx4 | M393T5660QZA-CE7 |
| | 4GB | 2Rx4 | 256Mx4 | M393T5160QZA-CF7 |
| | | | | |

DDR2-667 Registered DIMMs

| Supplier | DIMM Size | DIMM Config | DRAM Config | DIMM P/N |
|----------|-----------|-------------|----------------------|-----------------------|
| Elpida | 1GB | 1Rx8 | 128Mx8 | EBE10AE8ACFA-6E-E |
| | 2GB | 1Rx4 | 256Mx4 | EBE20AE4AFFA-6E-E |
| | | 2Rx8 | 128Mx8 | EBE21AE8ACFA-6E-E |
| | 4GB | 2Rx4 | 256Mx4 | EBE41AE4AFFA-6E-E |
| Hynix | 512MB | 1Rx8 | 64Mx8 | HYMP564P72CP8-Y5 |
| | | | | HMP564P7FFP8C-Y5 |
| | 1GB | 1Rx4 | 128Mx4 | HYMP512P72CP4-Y5 |
| | 2GB | 2Rx8 | 128Mx8 | HYMP125P72CP8-Y5 |
| | | | | HYMP125P72CP4-Y5 |
| | | 2Rx4 | 128Mx4 | HYMP525P72CP4-Y5 |
| | 4GB | 2Rx4 | 256Mx4 | HYMP151P72CP4-Y5 |
| Micron | 1GB | 1Rx4 | 128Mx4 | MT18HTF12872PY-667D2 |
| | 2GB | 2Rx4 | 128Mx4 | MT36HTF25672PY-667D1 |
| | | 2Rx8 | 128Mx8 | MT18HTF25672PDY-667G1 |
| | | | | MT18HTF25672PY-667E1 |
| | 1Rx4 | 256Mx4 | MT18HTF25672PY-667E1 | |
| | 4GB | 2Rx4 | 256Mx4 | MT36HTF51272PY-667E1 |
| 8GB | 2Rx4 | 512Mx4 | MT36HTS1G72PY-667A1 | |
| Nanya | 1GB | 1Rx8 | 128Mx8 | NT1GT72U89D0BV-3C |
| | 2GB | 1Rx4 | 256Mx4 | NT2GT72U4PD0BV-3C |
| | 4GB | 2Rx4 | 256Mx4 | NT4GT72U4ND0BV-3C |
| Samsung | 1GB | 1Rx8 | 128Mx8 | M393T2863QZA-CE6 |
| | | 1Rx4 | 128Mx4 | M393T2950GZA-CE6 |
| | | 2Rx8 | 64Mx8 | M393T2953GZA-CE6 |
| | 2GB | 2Rx8 | 128Mx8 | M393T5660QZA-CE6 |
| | | 1Rx4 | 256Mx4 | M393T5663QZA-CE6 |
| | | 2Rx4 | 128Mx4 | M393T5750GZA-CE6 |
| | 4GB | 2Rx4 | 256Mx4 | M393T5160CZA-CE6 |
| | | | | M393T5160QZA-CE6 |
| | 8GB | 2Rx4 | 512Mx4 | M393T1K66AZA-CE6 |

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