

DDR2 Registered DIMMs

Evaluated with the 65nm Third-Generation 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 AMD Opteron™ 65nm Processor. Testing included functional testing using frequency and V_{REF} margining, as well as functional corner testing over temperature and V_{DD} .

AMD makes no representations or warranties with respect to any information provided in this document relating to the products of other companies, and expressly disclaims any implied warranties of merchantability, fitness for a particular purpose, or non-infringement with respect to such products. Furthermore, the inclusion of such information does not constitute an endorsement by AMD of the product. AMD also does not make any claim of availability of listed DIMMs from their respective suppliers.

DDR2-800 Registered DIMMs

Supplier	DIMM Size	DIMM Config	DRAM Config	DIMM P/N
Elpida	1GB	1Rx8	128Mx8	EBE10AE8ACFA-8E-E
	2GB	2Rx8	128Mx8	EBE21AE8ACFA-8E-E
		1Rx4	256Mx4	EBE20AE4ACFA-8E-E
	4GB	2Rx4	256Mx4	EBE41AE4ACFA-8E-E
Hynix	512MB	1Rx8	64Mx8	HYMP564P72CP8-S5
	1GB	1Rx4	128Mx4	HYMP512P72CP4-S6
				HYMP512P72CP4-S5
		1Rx8	128Mx8	HYMP112P72CP8-S5
				HMP112P7EFR8C-S6
	2GB	2Rx8	128Mx8	HMP125P7EFR8C-S6
				HMP125P7EFR8C-S6
				HYMP125P72CP8-S6
		1Rx4	256Mx4	HMP125P7EFR4C-S6
				HYMP125P72CP4-S5
				HYMP125P72CP4-S6
	4GB	2Rx4	256Mx4	HYMP151P72CP4-S5
				HYMP151P72CP4-S6
HMP151P7EFR4C-S6				
Micron	1GB	1Rx8	128Mx8	MT9HTF12872PY-80EE1
	2GB	2Rx8	128Mx8	MT18HTF25672PDY-80EE1
		1Rx4	256Mx4	MT18HTF25672PY-80EE1
	4GB	2Rx4	256Mx4	MT36HTF51272PY-80EE1
Nanya	512MB	1Rx8	64Mx8	NT512T72U89B0BV-25D
	1GB	1Rx4	128Mx4	NT1GT72U4PB0BV-25D
				NT2GT72U4PD0BV-AD
	2GB	2Rx4	128Mx4	NT2GT72U4NB1BV-25D
				NT4GT72U4ND0BV-AC
	4GB	2Rx4	256Mx4	NT4GT72U4ND0BV-AD

DDR2-800 Registered DIMMs (con't)

Supplier	DIMM Size	DIMM Config	DRAM Config	DIMM P/N
Qimonda	512MB	1Rx8	64Mx8	HYS72T64000HP-2.5-B
				HYS72T64000HP-25F-B
	1GB	1Rx8	128Mx8	HYS72T128001EP-25F-C2
				HYS72T128020EP-25F-B2
		2Rx8	64Mx8	HYS72T128020HP-25F-B
				HYS72T128020EP-25F-C
			128Mx8	HYS72T128020EP-25F-C
				HYS72T128000EP-25F-B2
		1Rx4	128Mx4	HYS72T128900EP-25F-B2
				HYS72T128000EP-2.5-B2
	256Mx4		HYS72T128000EP-25F-C	
			HYS72T256021EP-25F-C2	
	2GB	2Rx8	128Mx8	HYS72T256000EP-25F-C2
				HYS72T256900EP-25F-C2
		1Rx4	256Mx4	HYS72T256220EP-25F-B2
				HYS72T256920EP-25F-B2
			128Mx4	HYS72T512920EP-25F-C2
4GB	2Rx4	256Mx4	HYS72T512220EP-25F-C2	
			HYS72T512220EP-25F-C2	
Samsung	1GB	1Rx8	128Mx8	M393T2863QZA-CF7
				M393T2863QZA-CE7
		2Rx8	64Mx8	M393T2953GZA-CF7
	2GB	1Rx4	128Mx4	M393T2950GZA-CF7
				M393T5663QZA-CF7
		2Rx8	128Mx8	M393T5663QZA-CE7
				M393T5660QZA-CF7
		1Rx4	256Mx4	M393T5660QZA-CE7
				M393T5750GZA-CF7
	4GB	2Rx4	256Mx4	M393T5160QZA-CF7
M393T5160QZA-CE7				
8GB	2Rx4	st.1024Mx4	M393T1K66AZA-CF7	
Unigen	1GB	1Rx8	128Mx8	UG12T7200M8DR-8AN
	2GB	2Rx8		UG25T7200M8DR-8A0

DDR2-667 Registered DIMMs

Supplier	DIMM Size	DIMM Config	DRAM Config	DIMM P/N		
Elpida	512MB	1Rx8	64Mx8	EBE51AD8AGFA-6E-E		
	1GB	1Rx8	128Mx8	EBE10AE8ACFA-6E-E		
	2GB	2Rx8	128Mx8	EBE21AE8ACFA-6E-E		
			256Mx4	EBE20AE4ACFA-6E-E		
		2Rx4	128Mx4	EBE21AD4AGFB-6E-E EBE21AD4AJFA-6E-E		
	4GB	2Rx4	256Mx4	EBE41AE4ACFA-6E-E		
	Hynix	512MB	1Rx8	64Mx8	HYMP564P72BP8-Y5 HYMP564P72CP8-Y5	
1GB		1Rx8	128Mx8	HYMP112P72CP8-Y5 HMP112P7EFR8C-Y5		
				1Rx4	128Mx4	HMP512P7FFP4C-Y5 HYMP512P72BP4-Y5 HYMP512P72CP4-Y5 HYMP512P72CP4-Y5
		2Rx8	128Mx8			HYMP125P72CP8-Y5 HMP125P7EFR8C-Y5 HMP125P7EFR8C-Y5
						1Rx4
				2Rx4	128Mx4	
4GB		2Rx4	512Mx4	HYMP351P72AMP4-Y5		
			256Mx4	HMP151P7EFR4C-Y5 HYMP151P72CP4-Y5		
		8GB	2Rx4	512Mx4	HMP31GP7AFR4C-Y5	
Legacy		4GB	2Rx4	256Mx4	M547RAE20LA-30R	
Micron		512MB	1Rx8	64Mx8	MT9HTF6472PY-667D2 MT9HTF6472PY-667F1	
		1GB	2Rx8	64Mx8	MT18HTF12872PDY-667D2 MT18HTF12872PDY-667F1	
				128Mx8	MT9HTF12872PY-667E1	
			1Rx4	128Mx4	MT18HTF12872PY-667F1 MT18HTF12872PY-667D2	
					2Rx4	128Mx4
		1Rx4	256Mx4	MT18HTF25672PY-667G1 MT18HTF25672PY-667E1 MT18HTF25672PY-667E2		
				2Rx4		
	8GB	2Rx4	512Mx4		MT36HTS1G72PY-667A1	

DDR2-667 Registered DIMMs (con't)

Supplier	DIMM Size	DIMM Config	DRAM Config	DIMM P/N
Nanya	512MB	1Rx8	64Mx8	NT512T72U89B0BV-3C
				NT512T72U89A0BV-3C
	1GB	1Rx4	128Mx4	NT1GT72U4PB0BV-3C
				NT1GT72U4PA0BV-3C
	2GB	1Rx8	128Mx8	NT1GT72U89D0BV-3C
				2Rx4
		1Rx4	256Mx4	NT2GT72U4PD0BV-3C
				NT2GT72U4PB0JV-3C
	4GB	2Rx4	256Mx4	NT4GT72U4ND0BV-3C
				NT4GTT72U4PB0UV-3C
Qimonda	512MB	1Rx8	64Mx8	HYS72T64000HP-3S-B
				HYS52T64000HP-3-B
				HYS72T64000HP-3S-A
				HYS72T64000HR-3S-B
	1GB	2Rx8	64Mx8	HYS72T128020HP-3-B
				HYS72T128000HR-3S-B
		1Rx4	128Mx4	HYS72T128900EP-3S-B2
				HYS72T128000HP-3-B
				HYS72T128000EP-3S-B2
				HYS72T128020EP-3S-B2
		1Rx8	128Mx8	HYS72T128001EP-3S-C2
		2GB	1Rx4	256Mx4
	HYS72T256900EP-3S-C2			
	2Rx4		128Mx4	HYS72T256220EP-3S-B2
				HYS72T256220HP-3S-B
	2Rx8		128Mx8	HYS72T256920EP-3S-B2
				HYS72T256021EP-3S-C2
	4GB	2Rx4	256Mx4	HYS72T512920EP-3S-C2
				HYS72T512220EP-3S-C2
				HYS72T512022EP-3S-B
Ramaxel	1GB	1Rx8	128Mx8	RMM2111EC48D7W-667
Samsung	1GB	1Rx8	128Mx8	M393T2863QZA-CE6
		1Rx4	128Mx4	M393T2950GZA-CE6
		2Rx8	64Mx8	M393T2953GZA-CE6
	2GB	1Rx4	256Mx4	M393T5660AZA-CE6
		2Rx8	128Mx8	M393T5663QZA-CE6
		1Rx4	256Mx4	M393T5660QZA-CE6
		2Rx4	128Mx4	M393T5750GZA-CE6
	4GB	2Rx4	256Mx4	M393T5160QZA-CE6
	8GB	2Rx4	st.1024Mx4	M393T1K66AZA-CE6
SMART	1GB	1Rx4	128Mx4	SG572284FG8E0IL
	4GB	2Rx4	256Mx4	SG572124FG8P6IL

DDR2-533 Registered DIMMs

Supplier	DIMM Size	DIMM Config	DRAM Config	DIMM P/N
Hynix	8GB	2Rx4	512Mx4	HYMP31GP72CUP4-C6
Micron	1GB	1Rx8	128Mx8	MT9HTF12872PY-53EE1
	2GB	1Rx4	256Mx4	MT18HTF25672PY-53EE1
Qimonda	512MB	1Rx8	64Mx8	HYS72T64000HR-3.7-B
				HYS72T64000HP-3.7-B
	1GB	2Rx8	64Mx8	HYS72T128020HP-3.7-B
		1Rx4	128Mx4	HYS72T128000HP-3.7-B
				HYS72T128000HR-3.7-B

© 2008 Advanced Micro Devices, Inc. All rights reserved.

The contents of this document are provided in connection with Advanced Micro Devices, Inc. ("AMD") products. AMD makes no representations or warranties with respect to the accuracy or completeness of the contents of this publication and reserves the right to make changes to specifications and product descriptions at any time without notice. No license, whether express, implied, arising by estoppel, or otherwise, to any intellectual property rights are granted by this publication. Except as set forth in AMD's Standard Terms and Conditions of Sale, AMD assumes no liability whatsoever, and disclaims any express or implied warranty, relating to its products including, but not limited to, the implied warranty of merchantability, fitness for a particular purpose, or infringement of any intellectual property right. AMD's products are not designed, intended, authorized or warranted for use as components in systems intended for surgical implant into the body, or in other applications intended to support or sustain life, or in any other application in which the failure of AMD's product could create a situation where personal injury, death, or severe property or environmental damage may occur. AMD reserves the right to discontinue or make changes to its products at any time without notice.

Trademarks

AMD, the AMD Arrow logo, AMD Athlon, AMD Opteron, and combinations thereof and 3DNow! are trademarks of Advanced Micro Devices, Inc.