

DDR4 SODIMMs Evaluated with the 2016 AMD A-Series Mainstream Platforms (“Bristol Ridge”)

Introduction

This list contains DDR4 SODIMMs that have been evaluated by AMD and have shown reliable operation on the AMD internal reference platform. Testing included functional testing over voltage and temperature, as well as V_{REF} margining.

Purpose

As each mobile platform is different in design and characteristics, AMD cannot guarantee that a SODIMM contained in this list will work reliably in a specific mobile platform. The sole purpose of this list is to provide guidance with respect to creating the SODIMM test matrix a platform designer needs to validate the operation of a platform design. **It is the platform designer’s responsibility to completely test and verify operation of SODIMMs based on their own test process.**

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DDR4 SODIMM

DIMM Module					DRAM Component					Testing Data	
Mfg	PN	Capacity	Rank/Width	Mfg	PN	Rev	IC Capacity	IC Date Code	Config	Date tested	
Bristol Ridge FP4 DDR4	Micron	MTA4ATF25664HZ-2G3B1	2GB	1Rx16	Micron	MT40A256M16GE-075E	B	4Gb	1546	2400/1DIMM	3/1/2016
		MTA4ATF51264HZ-2G3B1	4GB	1Rx16		MT40A512M16JY-083E	B	8Gb	1550	2400/1DIMM	1/28/2016
		MTA4ATF51264HZ-2G1B1	4GB	1Rx16		MT40A512M16JY-083E	B	8Gb	n/a	2133/1DIMM	n/a
		MTA8ATF1G64HZ-2G3A1	8GB	1Rx8		MT40A1G8SA-075	H	8Gb	1704	2400/1DIMM	8/15/2017
		MTA8ATF1G64HZ-2G6H1	8GB	1Rx8		MT40A1G8PM-083E	A	8Gb	1542	2400/1DIMM	1/20/2016
		MTA8ATF1G64HZ-2G1B1	8GB	1Rx8		MT40A1G8WE-083E	B	8Gb	1606	2133/1DIMM	3/1/2016
		MTA8ATF1G64HZ-2G3B1	8GB	1Rx8		MT40A1G8WE-083E	B	8Gb	1542	2400/1DIMM	1/22/2016
		MTA16ATF2G64HZ-2G6H1	16GB	2Rx8		MT40A1G8SA-075	H	8Gb	1704	2400/1DIMM	8/15/2017
		MTA16ATF2G64HZ-2G3A1	16GB	2Rx8		MT40A1G8PM-083E	A	8Gb	1548	2400/1DIMM	1/20/2016
	MTA16ATF2G64HZ-2G3B1	16GB	2Rx8	MT40A1G8WE-083E	B	8Gb	1548	2400/1DIMM	1/22/2016		
	Apacer	76.A320G.D330B	2GB	1Rx16	Samsung	K4A4G165WE-BCRC	E	4Gb	1637	2400/1DIMM	2/14/2017
	Kingston	ACR24D4S758MB-4	4GB	1Rx8	Kingston	MT40A512M8RH-083E	B	4Gb	1630	2400/1DIMM	2/14/2017
		ACR24D4S758MB-8	8GB	1Rx8		MT40A1G8WE-083E	B	8Gb	1610	2400/1DIMM	2/14/2017
	Samsung	M471A5644EB0-CRC	2GB	1Rx16	Samsung	K4A4G165WE-BCRC	E	4Gb	1552	2400/1DIMM	1/22/2016
		M471A5244CB0-CRC	4GB	1Rx16		K4A8G165WC-BCRC	C	8Gb	1631	2400/1DIMM	10/1/2016
		M471A5143DB0-CPB	4GB	1Rx8		K4A4G085WD-BCPB	D	4Gb	1440	2133/1DIMM	1/19/2016
		M471A5143EB1-CRC	4GB	1Rx8		K4A4G085WE-BCRC	E	4Gb	1546	2400/1DIMM	1/20/2016
		M471A5143EB1-CPB	4GB	1Rx8		K4A4G085WE-BCPB	E	4Gb	n/a	2133/1DIMM	n/a
		M471A5244BB0-CRC	4GB	1Rx16		K4A8G165WB-BCRC	B	8Gb	1607	2400/1DIMM	8/5/2016
M471A1K43CB1-CRC		8GB	1Rx8	K4A8G085WC-BCRC		C	8Gb	1630	2400/1DIMM	10/1/2016	
M471A1G43EB1-CRC		8GB	2Rx8	K4A4G085WE-BCRC		E	4Gb	1546	2400/1DIMM	1/28/2016	
M471A1G43DB0-CPB		8GB	2Rx8	K4A4G085WD-BCPB		D	4Gb	1431	2133/1DIMM	1/19/2016	
M471A1K43BB1-CRC		8GB	1Rx8	K4A8G085WB-BCRC		B	8Gb	1549	2400/1DIMM	1/22/2016	
M471A1K43BB1-CPB		8GB	1Rx8	K4A8G085WB-BCPB		B	8Gb	n/a	2133/1DIMM	n/a	
M471A2K43CB1-CRC		16GB	2Rx8	K4A8G085WC-BCRC		C	8Gb	1630	2400/1DIMM	10/1/2016	
M471A2K43BB1-CRC		16GB	2Rx8	K4A8G085WB-BCRC		B	8Gb	1513	2400/1DIMM	1/19/2016	
SK Hynix	HMA425S6AFR6N-TF	2GB	1Rx16	SK Hynix	H5AN4G6NAFR-TFC	A	4Gb	1543	2133/1DIMM	3/1/2016	
	HMA425S6AFR6N-UH	2GB	1Rx16		H5AN4G6NAFR-UHC	A	4Gb	1619	2400/1DIMM	7/15/2016	
	HMA451S6AFR8N-TF	4GB	1Rx8		H5AN4G8NAFR-TFC	A	4Gb	1511	2133/1DIMM	1/19/2016	
	HMA851S6AFR6N-UH	4GB	1Rx16		H5AN8G6NAFR-UHC	A	8Gb	1622	2400/1DIMM	6/6/2016	
	HMA41G6AFR8N-TF	8GB	2Rx8		H5AN4G8NAFR-TFC	A	4Gb	1513	2133/1DIMM	1/20/2016	
	HMA81G6AFR8N-UH	8GB	1Rx8		H5AN8G8NAFR-UHC	A	8Gb	1615	2400/1DIMM	6/6/2016	
	HMA82G6AFR8N-UH	16GB	2Rx8		H5AN8G8NAFR-UHC	A	8Gb	1619	2400/1DIMM	7/15/2016	

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