

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

## Introduction

This list contains DDR4 UDIMMs 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 UDIMM 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 UDIMM 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 UDIMMs based on their own test process.**

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## UDIMM tested at max speed

DIMM Module					DRAM Component					Testing Data	
Mfg	PN	Capacity	Rank/Width	Mfg	PN	Rev	IC Capacity	IC Date Code	Config	Date tested	
Bristol Ridge AM4 DDR4	Micron	MTA4ATF25664AZ-2G3B1	2GB	1Rx16	Micron	MT40A256M16GE-083E	B	4Gb	1602	2400/1DIMM	7/6/2016
		MTA4ATF51264AZ-2G3B1	4GB	1Rx16		MT40A512M16JY-083E	B	8Gb	1550	2400/1DIMM	6/28/2016
		MTA8ATF51264AZ-2G1B1	4GB	1Rx8		MT40A512M8RH-083E	B	4Gb	1552	2133/1DIMM	7/19/2016
		MTA8ATF51264AZ-2G3A2	4GB	1Rx8		MT40A512M8HX-083E	A	4Gb	1518	2400/1DIMM	6/20/2016
		MTA8ATF1G64AZ-2G6H1	8GB	1Rx8		MT40A1G8SA-075	H	8Gb	1704	2400/1DIMM	8/15/2017
		MTA8ATF1G64AZ-2G3B1	8GB	1Rx8		MT40A1G8WE-083E	B	8Gb	1546	2400/1DIMM	7/6/2016
		MTA16ATF2G64AZ-2G6H1	16GB	2Rx8		MT40A1G8SA-075	H	8Gb	1704	2400/1DIMM	8/15/2017
		MTA16ATF2G64AZ-2G3A1	16GB	2Rx8		MT40A1G8PM-083E	A	8Gb	1520	2400/1DIMM	6/22/2016
		MTA16ATF2G64AZ-2G3B1	16GB	2Rx8		MT40A1G8WE-083E	B	8Gb	1546	2400/1DIMM	6/20/2016
Kingston	ACR24D4U7S1MB-2	2GB	1Rx16	Micron	MT40A256M16GE-083E	B	4Gb	1610	2400/1DIMM	2/10/2017	
	ACR24D4U7S1MB-4	4GB	1Rx16		MT40A512M16JY-083E	B	8Gb	1612	2400/1DIMM	2/10/2017	
	ACR24D4U7S8MB-8	8GB	1Rx8		MT40A1G8WE-083E	B	8Gb	1610	2400/1DIMM	2/10/2017	
	ACR24D4U7D8MB-16	16GB	2Rx8		MT40A1G8WE-083E	B	8Gb	1620	2400/1DIMM	2/10/2017	
Samsung	M378A5644EB0-CRC	2GB	1Rx16	Samsung	K4A4G165WE-BCRC	E	4Gb	1552	2400/1DIMM	6/22/2016	
	M378A5244BB0-CRC	4GB	1Rx16		K4A4G165WB-BCRC	B	8Gb	1628	2400/1DIMM	1/20/2017	
	M378A5244CB0-CRC	4GB	1Rx16		K4A8G165WC-BCRC	C	8Gb	1631	2400/1DIMM	11/1/2016	
	M378A5143EB1-CRC	4GB	1Rx8		K4A4G085WE-BCRC	E	4Gb	1546	2400/1DIMM	6/19/2016	
	M378A5143EB2-CRC	4GB	1Rx8		K4A4G085WE-BCRC	E	4Gb	1604	2400/1DIMM	6/20/2016	
	M378A1G43EB1-CRC	8GB	2Rx8		K4A4G085WE-BCRC	E	4Gb	1546	2400/1DIMM	7/19/2016	
	M378A1K43CB2-CRC	8GB	1Rx8		K4A8G085WC-BCRC	C	8Gb	1630	2400/1DIMM	11/1/2016	
	M378A1K43BB1-CRC	8GB	1Rx8		K4A8G085WB-BCRC	B	8Gb	1549	2400/1DIMM	6/28/2016	
	M378A2K43CB1-CRC	16GB	2Rx8		K4A8G085WC-BCRC	C	8Gb	1630	2400/1DIMM	11/1/2016	
	M378A2K43BB1-CRC	16GB	2Rx8		K4A8G085WB-BCRC	B	8Gb	1549	2400/1DIMM	6/19/2016	
SK Hynix	HMA451U6AFR8N-UH	4GB	1Rx8	SK Hynix	H5AN4G8NAFR-UHC	A	4Gb	1542	2400/1DIMM	7/6/2016	
	HMA41GU6AFR8N-UH	8GB	2Rx8		H5AN4G8NAFR-UHC	A	4Gb	1542	2400/1DIMM	6/19/2016	

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