



# **DDR5-4800 UDIMM Non-ECC**

## **Validation Results**

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*September 2021*

**Revision 1.1**



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## Revision History

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Revision Number	Description	Date
1.1	<ul style="list-style-type: none"><li>Added Micron*, Crucial* 2Rx8, Kingston* 1Rx8, and 2Rx8 UDIMM nECC</li></ul>	September 2021
1.0	<ul style="list-style-type: none"><li>Initial release of the document SK Hynix*, Samsung*, Micron*, and Crucial*</li></ul>	September 2021

# ***1 DDR5-4800 UDIMM Non-ECC Validation Results***

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The following are validation results from a small sample of DDR5 DIMMs, tested on lead Intel client reference platforms and automated tester. Intel is providing this information as a guide to memory compatibility with Intel reference platforms and in-accordance to Intel platform memory Plan of Record (POR). This testing is not intended to replace the normal OEM component qualification process. For test results on specific Intel motherboards, refer to Intel® Customer Manufacturing Enabling (Intel® CME) support. For test results on OEM production motherboards, see the OEM's list of qualified memory suppliers.



DDR5-4800 UDIMM non-ECC are tested on the Automated Test Equipment (ATE) and systems under JEDEC specification conditions: VDDQ = 1.1V @ 4800 frequency [40-39-39 timings] and below.

**Table 1-1. Validation Results**

DIMM Supplier	DIMM Part Number	DIMM Type	DIMM Size	Rated Speed	R/C	DRAM vendor	DRAM Part Number	DRAM Density	DRAM Date Code	Die Rev	Ranks Width	PMIC Vendor	PMIC Rev
SK hynix*	HMCG66MEBUA081N	UDIMM n-ECC	8 GB	4800	C0	SK hynix*	H5CG46MEBDX015	16 Gb	2127	M	1Rx16	Renesas*	B0
SK hynix*	HMCG78MEBUA081N	UDIMM n-ECC	16 GB	4800	A0	SK hynix*	H5CG48MEBDX014	16 Gb	2127	M	1Rx8	Renesas*	B0
SK hynix*	HMCG88MEBUA081N	UDIMM n-ECC	32 GB	4800	B0	SK hynix*	H5CG48MEBDX014	16 Gb	2127	M	2Rx8	Renesas*	B0
Samsung*	M323R1GB4BB0-CQKOD	UDIMM n-ECC	8 GB	4800	C0	Samsung*	K4RAH165VB-BCQK	16 Gb	2137	B	1Rx16	Renesas*	B0
Samsung*	M323R2GA3BB0-CQKOD	UDIMM n-ECC	16 GB	4800	A0	Samsung*	K4RAH086VB-BCQK	16 Gb	2137	B	1Rx8	Renesas*	B0
Samsung*	M323R4GA3BB0-CQKOD	UDIMM n-ECC	32 GB	4800	B0	Samsung*	K4RAH086VB-BCQK	16 Gb	2137	B	2Rx8	Renesas*	B0
Micron*	MTC8C1084S1UC48BA1	UDIMM n-ECC	16 GB	4800	A0	Micron*	MT60B2G8HB-48B:A	16 Gb	2137	A	1Rx8	Renesas*	B0
Micron*	MTC16C2085S1UC48BA1	UDIMM n-ECC	32 GB	4800	B0	Micron*	MT60B2G8HB-48B:A	16 Gb	2137	A	2Rx8	Renesas*	B0
Crucial*	CT16G48C40U5	UDIMM n-ECC	16 GB	4800	A0	Micron*	MT60B2G8HB-48B:A	16 Gb	2137	A	1Rx8	Renesas*	B0
Crucial*	CT32G48C40U5	UDIMM n-ECC	32 GB	4800	B0	Micron*	MT60B2G8HB-48B:A	16 Gb	2137	A	2Rx8	Renesas*	B0
Kingston*	KVR48U40BS8-16	UDIMM n-ECC	16 GB	4800	A0	SK hynix*	H5CG48MEBDX014	16 Gb	2127	M	1Rx8	Renesas*	B0
Kingston*	KVR48U40BD8-32	UDIMM n-ECC	32 GB	4800	B0	SK hynix*	H5CG48MEBDX014	16 Gb	2127	M	2Rx8	Renesas*	B0

Last update: September 24, 2021

## 2 *Approved Test Labs*

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The following test labs have the capability of performing ATE and system-level validation testing:

**Advanced Validation Labs\***

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