

KVR48U40BS8-16

16GB 1Rx8 2G x 64-Bit PC5-4800
CL40 288-Pin DIMM

DESCRIPTION

This document describes ValueRAM's KVR48U40BS8-16 is a 2G x 64-bit (16GB) DDR5-4800 CL40 SDRAM (Synchronous DRAM), 1Rx8, memory module, based on eight 2G x 8-bit FBGA components. The SPD is programmed to JEDEC standard latency DDR5-4800 timing of 40-39-39 at 1.1V. Each 288-pin DIMM uses gold contact fingers. The electrical and mechanical specifications are as follows:

FEATURES

- Power Supply: VDD = 1.1V Typical
- VDDQ = 1.1V Typical
- VPP = 1.8V Typical
- VDDSPD = 1.8V to 2.0V
- On-Die ECC
- PCB: Height 1.23" (31.25mm)
- RoHS Compliant and Halogen-Free

SPECIFICATIONS

CL(IDD)	40 cycles
Row Cycle Time (tRCmin)	48ns(min.)
Refresh to Active/Refresh Command Time (tRFCmin)	295ns(min.)
Row Active Time (tRASmin)	32ns(min.)
UL Rating	94 V - 0
Operating Temperature	0° C to +85° C
Storage Temperature	-55° C to +100° C

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Revision No.	History	Release Date	Remark	Editor	Approved
A	Initial Release	10/26/2021		David Yen	Ben L.
B	Change measurements (pg2)	4/24/2023		David Yen	Ben L.

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