

KVR48U40BS8K2-32

32GB (16GB 1Rx8 2G x 64-Bit x 2 pcs.)
PC5-4800 CL40 288-Pin DIMM Kit

DESCRIPTION

This document describes ValueRAM's KVR48U40BS8K2-32 is a kit of two 2G x 64-bit (16GB) DDR5-4800 CL40 SDRAM (Synchronous DRAM), 1Rx8, memory module, based on eight 2G x 8-bit FBGA components. Total kit capacity is 32GB. 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

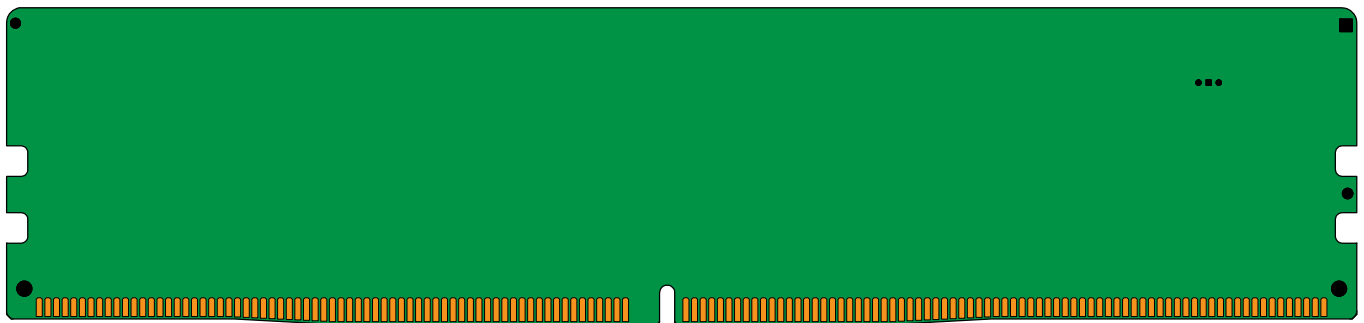
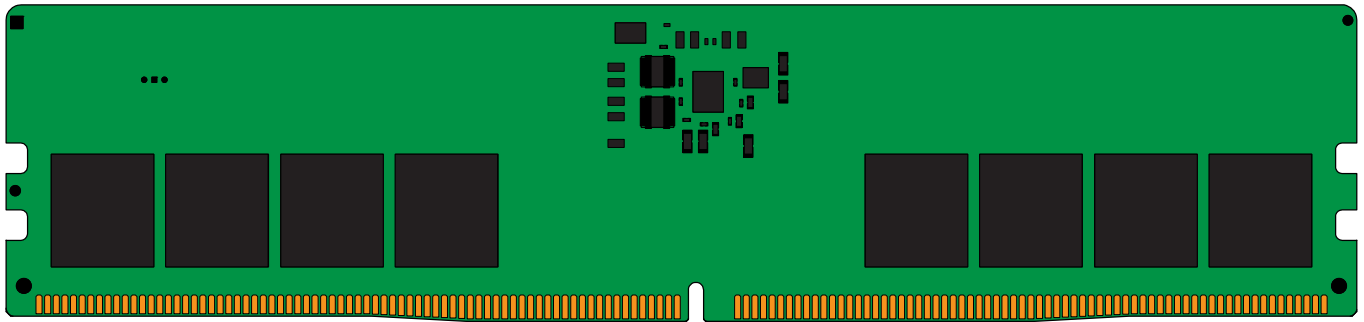
- Power Supply: VDD = 1.1V Typical
- VDDQ = 1.1V Typical
- VPP = 1.8V Typical
- VDDSPD = 1.8V to 2.0V
- On-Die ECC
- PCB: Height 1.23" (31.25mm)
- RoHS Compliant and Halogen-Free

SPECIFICATIONS

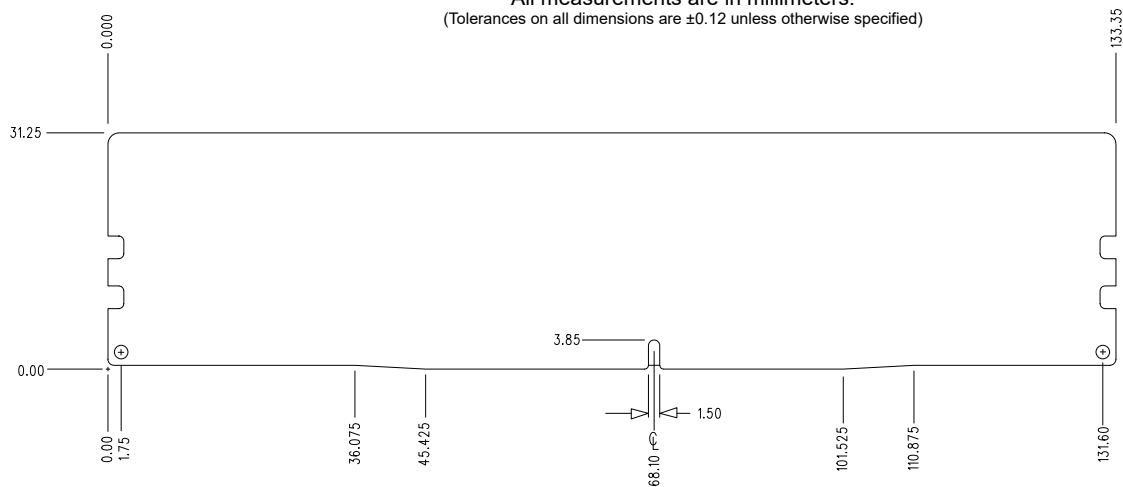
CL(IDD)	40 cycles
Row Cycle Time (tRCmin)	48ns(min.)
Refresh to Active/Refresh Command Time (tRFCmin)	295ns(min.)
Row Active Time (tRASmin)	32ns(min.)
UL Rating	94 V - 0
Operating Temperature	0° C to +85° C
Storage Temperature	-55° C to +100° C

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MODULE DIMENSIONS



All measurements are in millimeters.
(Tolerances on all dimensions are ± 0.12 unless otherwise specified)



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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.

*Products and specifications discussed herein are for evaluation and reference purposes only and are subject to change without notice. All information discussed herein is provided on an "as is" basis, without warranties of any kind.