

KVR48U40BS6-8

8GB 1Rx16 1G x 64-Bit

PC5-4800 CL40 288-Pin DIMM

DESCRIPTION

This document describes ValueRAM's KVR48U40BS6-8 is a 1G x 64-bit (8GB) DDR5-4800 CL40 SDRAM (Synchronous DRAM), 1Rx16, memory module, based on four 1G x 16-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

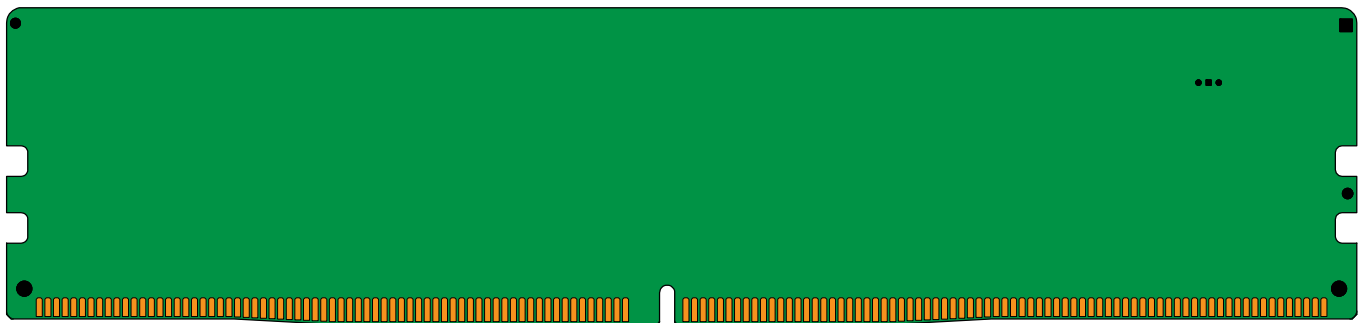
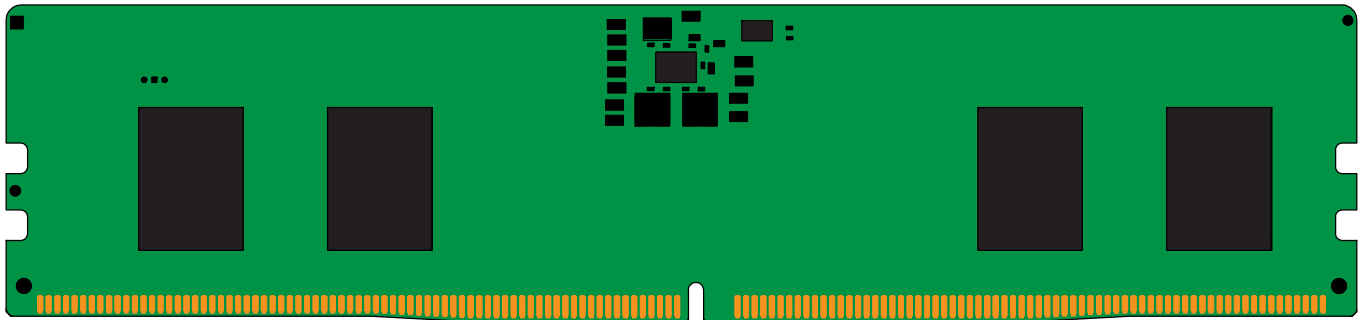
- Power Supply: VDD = 1.1V Typical
- VDDQ = 1.1V Typical
- VPP = 1.8V Typical
- VDDSPD = 1.8V to 2.0V
- On-Die ECC
- PCB: Height 1.23" (31.25mm)
- RoHS Compliant and Halogen-Free

SPECIFICATIONS

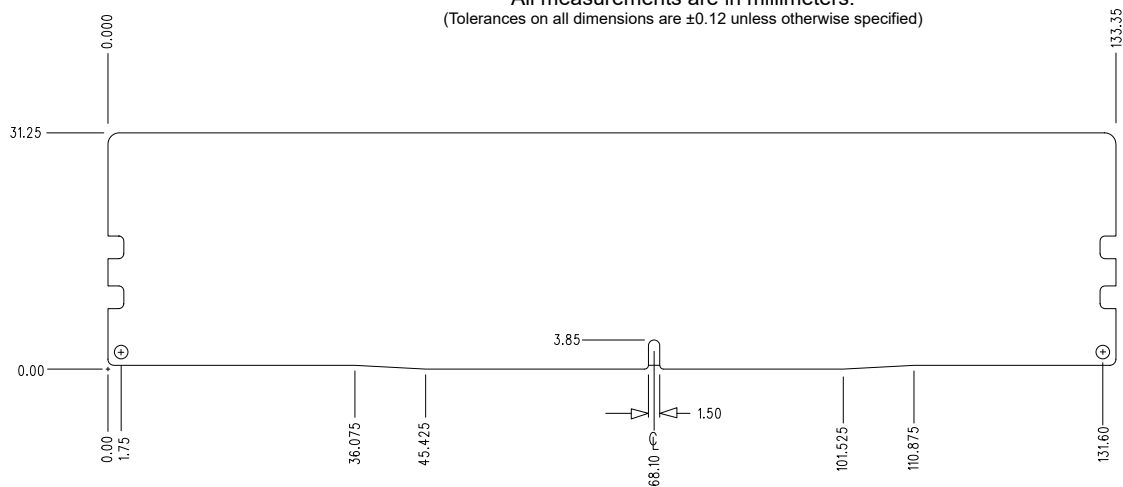
CL(IDD)	40 cycles
Row Cycle Time (tRCmin)	48ns(min.)
Refresh to Active/Refresh Command Time (tRFCmin)	295ns(min.)
Row Active Time (tRASmin)	32ns(min.)
UL Rating	94 V - 0
Operating Temperature	0° C to +85° C
Storage Temperature	-55° C to +100° C

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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	2/28/2022		David Yen	Ben L.
B	Change measurements (pg2)	4/24/2023		David Yen	Ben L.

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