# Memory Module Specifications



## KVR48S40BS6-8

8GB 1Rx16 1G x 64-Bit PC5-4800 CL40 262-Pin SODIMM

#### **DESCRIPTION**

This document describes ValueRAM's KVR48S40BS6-8 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 262-pin SODIMM 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 1.18" (30.00mm)
- · RoHS Compliant and Halogen-Free

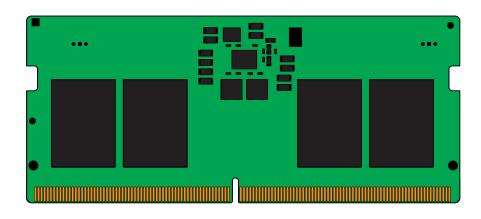
### **SPECIFICATIONS**

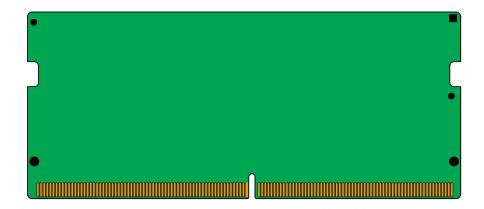
CL(IDD)	40 cycles
Row Cycle Time (tRCmin)	48ns(min.)
Refresh to Active/Refresh Command Time (tRFCmin)	295ns(min.)
Row Active Time (tRASmin)	32ns(min.)
UL Rating	94 V - 0
Operating Temperature	0° C to +85° C
Storage Temperature	-55° C to +100° C

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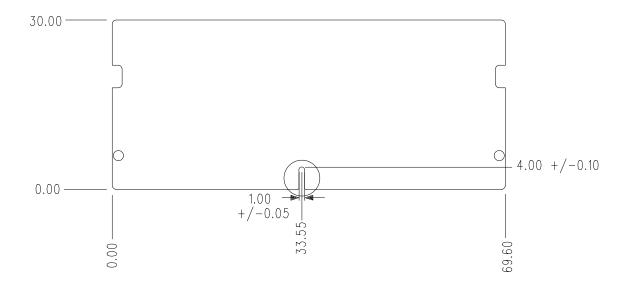
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## **MODULE DIMENSIONS**





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



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