

**KVR64A52BS8-16**

16GB 1Rx8 2G x 64-Bit

PC5-6400 CL52 288-Pin CUDIMM

**DESCRIPTION**

This document describes ValueRAM's KVR64A52BS8-16 is a 2G x 64-bit (16GB) DDR5-6400 CL52 Clocked Unbuffered DIMMs (CUDIMMs), 1Rx8, memory module, based on eight 2G x 8-bit FBGA components and one Clock Driver (CKD). The SPD is programmed to JEDEC standard latency DDR5-6400 timing of 52-52-52 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
- With Clock Driver

**SPECIFICATIONS**

CL	52 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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## The image displays two views of a green printed circuit board (PCB). The top view shows a complex layout with several dark grey rectangular components, likely integrated circuits, arranged in a central cluster and along the edges. There are also smaller, lighter grey components and a network of fine lines representing the PCB's internal circuitry. The bottom view shows the reverse side of the board, which is mostly empty except for a few small components and a central cluster of components. Both views feature a gold-plated edge on the left side, indicating a connector or a specific manufacturing process. The board has a central notch and mounting holes at the corners.

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