

### KVR56U46BS6-8

8GB 1Rx16 1G x 64-Bit  
PC5-5600 CL46 288-Pin DIMM

## DESCRIPTION

This document describes ValueRAM's KVR56U46BS6-8 is a 1G x 64-bit (8GB) DDR5-5600 CL46 SDRAM (Synchronous DRAM), 1Rx16, memory module, based on four 1G x 16-bit FBGA components. The SPD is programmed to JEDEC standard latency DDR5-5600 timing of 46-45-45 at 1.1V. Each 288-pin DIMM uses gold contact fingers. The electrical and mechanical specifications are as follows:

## SPECIFICATIONS

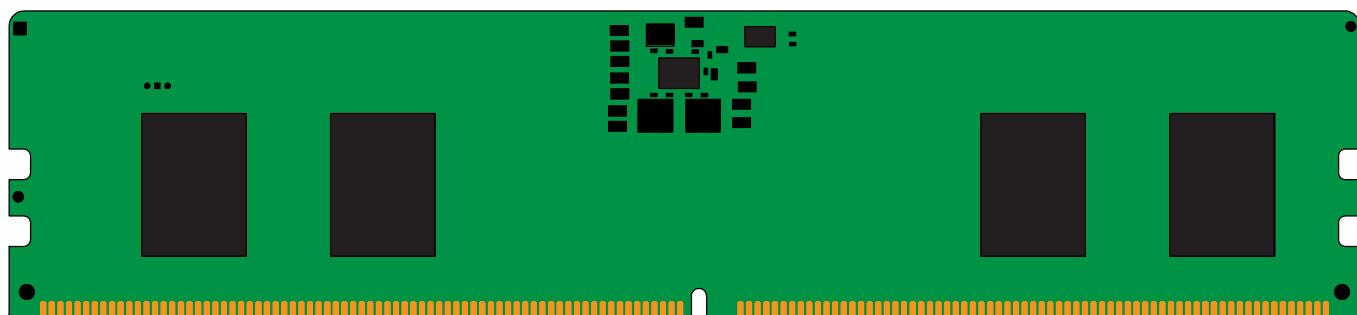
CL(IDD)	46 cycles
Row Cycle Time (tRCmin)	48ns(min.)
Refresh to Active/Refresh Command Time (tRFCmin)	295ns(min.)
Row Active Time (tRASmin)	32ns(min.)
UL Rating	94 V - 0
Operating Temperature	0° C to +85° C
Storage Temperature	-55° C to +100° C

## FEATURES

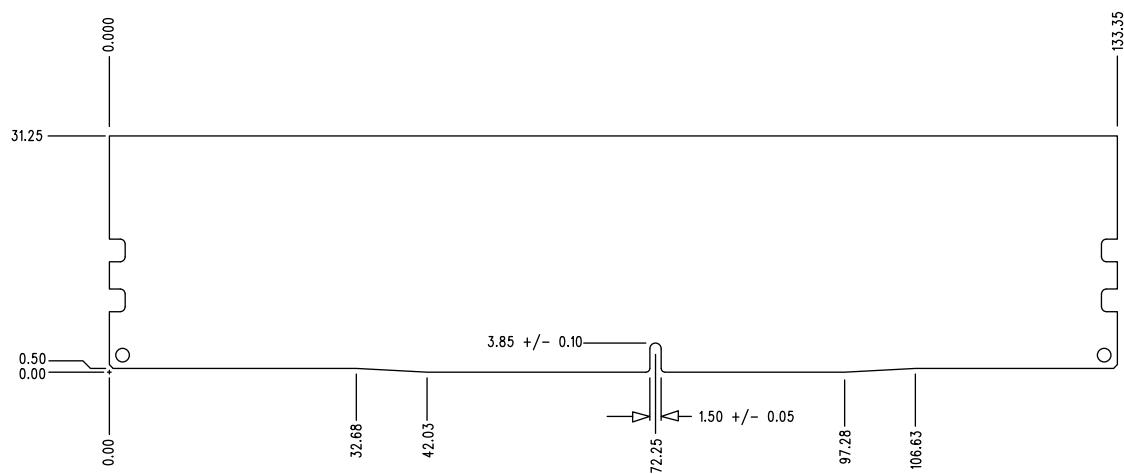
- Power Supply: VDD = 1.1V Typical
- VDDQ = 1.1V Typical
- VPP = 1.8V Typical
- VDDSPD = 1.8V to 2.0V
- On-Die ECC
- PCB: Height 1.23" (31.25mm)
- RoHS Compliant and Halogen-Free

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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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