

## KVR56U46BS8-16

16GB 1Rx8 2G x 64-Bit

PC5-5600 CL46 288-Pin DIMM

### DESCRIPTION

This document describes ValueRAM's KVR56U46BS8-16 is a 2G x 64-bit (16GB) DDR5-5600 CL46 SDRAM (Synchronous DRAM), 1Rx8, memory module, based on eight 2G x 8-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:

### FEATURES

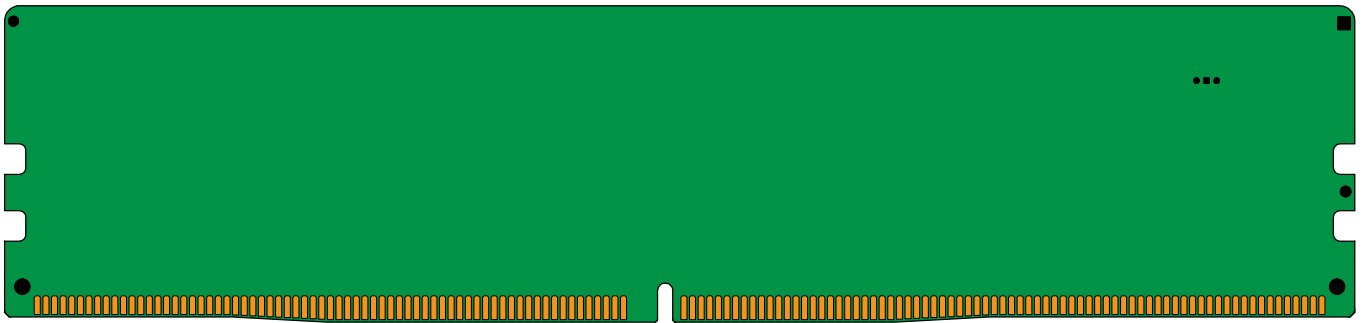
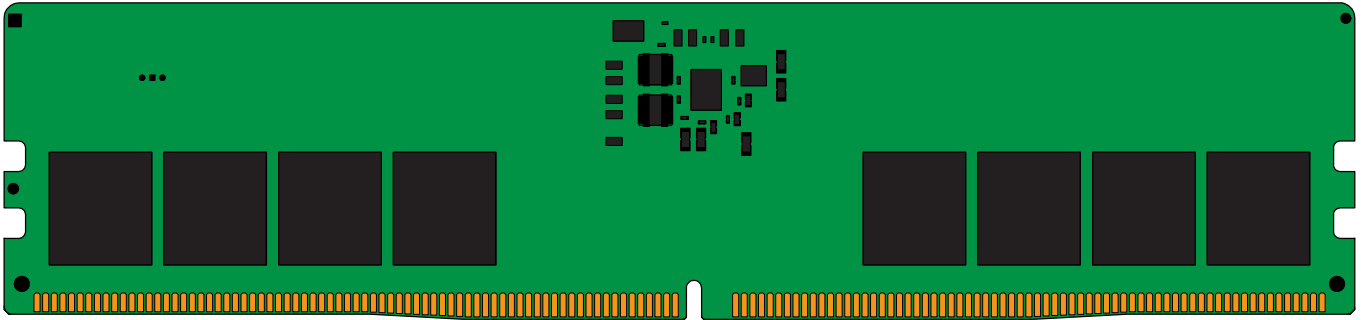
- Power Supply: VDD = 1.1V Typical
- VDDQ = 1.1V Typical
- VPP = 1.8V Typical
- VDDSPD = 1.8V to 2.0V
- On-Die ECC
- PCB: Height 1.23" (31.25mm)
- RoHS Compliant and Halogen-Free

### SPECIFICATIONS

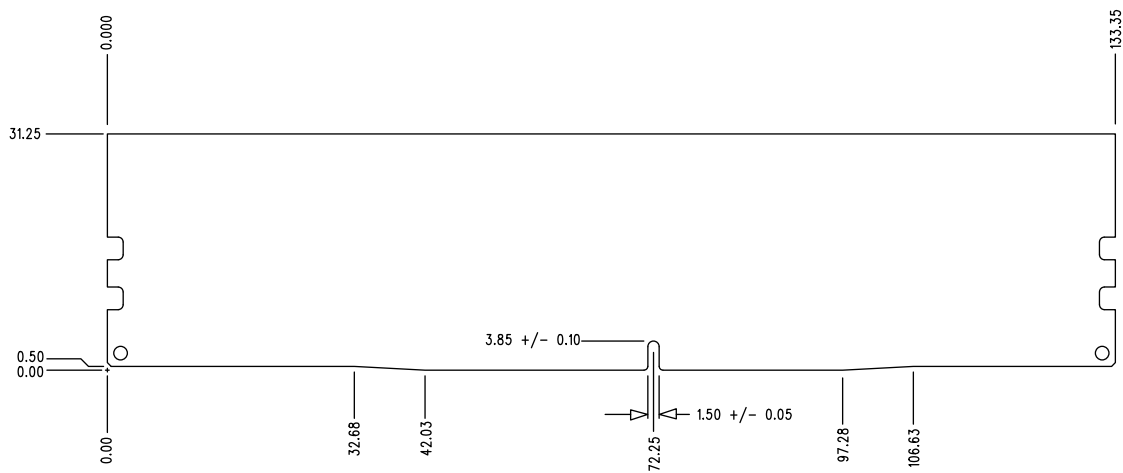
|  |                   |
|--|-------------------|
| CL(IDD)  | 46 cycles         |
| Row Cycle Time (tRCmin)                          | 48ns(min.)        |
| Refresh to Active/Refresh Command Time (tRFCmin) | 295ns(min.)       |
| Row Active Time (tRASmin)                        | 32ns(min.)        |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

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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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