

# Memory Module Specifications

## KVR667D2E5/1GI

1GB 1Rx8 128M x 72-Bit DDR2-667  
CL5 ECC 240-Pin DIMM

### DESCRIPTION

This document describes ValueRAM's 128M x 72-bit (1GB) DDR2-667 CL5 SDRAM (Synchronous DRAM) 1Rx8 ECC, Intel® Compatibility Tested, memory module, based on nine 128M x 8-bit FBGA components. This 240-pin DIMM uses gold contact fingers and requires +1.8V. The electrical and mechanical specifications are as follows:

### SPECIFICATIONS

Clock Cycle Time (tCK)	3ns (min.) / 8ns (max.)
Row Cycle Time (tRCmin)	60ns (min.)
Refresh to Active/Refresh Command Time (tRFCmin)	127.5ns (min.)
Row Active Time (tRASmin)	45ns (min.) / 70,000 (max.)
Single Power Supply of	+1.8V (+/- .1V)
Power Operating	1.025 W (Approx.*)
UL Rating	94 V - 0

Note: The module described in this data sheet is one of several configurations available under this part number. While all configurations are compatible, the DRAM combination and/or the module height may vary from what is described here.

Figure 1: KVR667D2E5/1GI 240-Pin DIMM

