

KVR667D2N5/1G

1GB 128M x 64-Bit DDR2-667

CL5 240-Pin DIMM

DESCRIPTION:

This document describes ValueRAM's 128M x 64-bit 1GB (1024MB) DDR2-667 CL5 SDRAM (Synchronous **DRAM**) memory module. The components on this module include sixteen 64M x 8-bit (16M x 8-bit x 4 Bank) DDR2-667 SDRAM in FBGA packages. This 240-pin DIMM uses gold contact fingers and requires +1.8V. The electrical and mechanical specifications are as follows:

FEATURES:

| | |
|---|-------------------------------|
| ✓ Clock Cycle Time (tCK) CL=5 | 3ns (min.) / 8ns (max.) |
| ✓ Row Cycle Time (tRC) | 54ns (min.) |
| ✓ Refresh to Active/Refresh Command Time (tRFC) | 105ns |
| ✓ Row Active Time (tRAS) | 39ns (min.) / 70,000ns (max.) |
| ✓ Single Power Supply of | +1.8V (+/- .1V) |
| ✓ Power (IDD0) | 1.872 W (operating) |
| ✓ UL Rating | 94 V - 0 |

Note: The module defined 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. However, in no configuration will the module height exceed 1.250" (31.75mm).

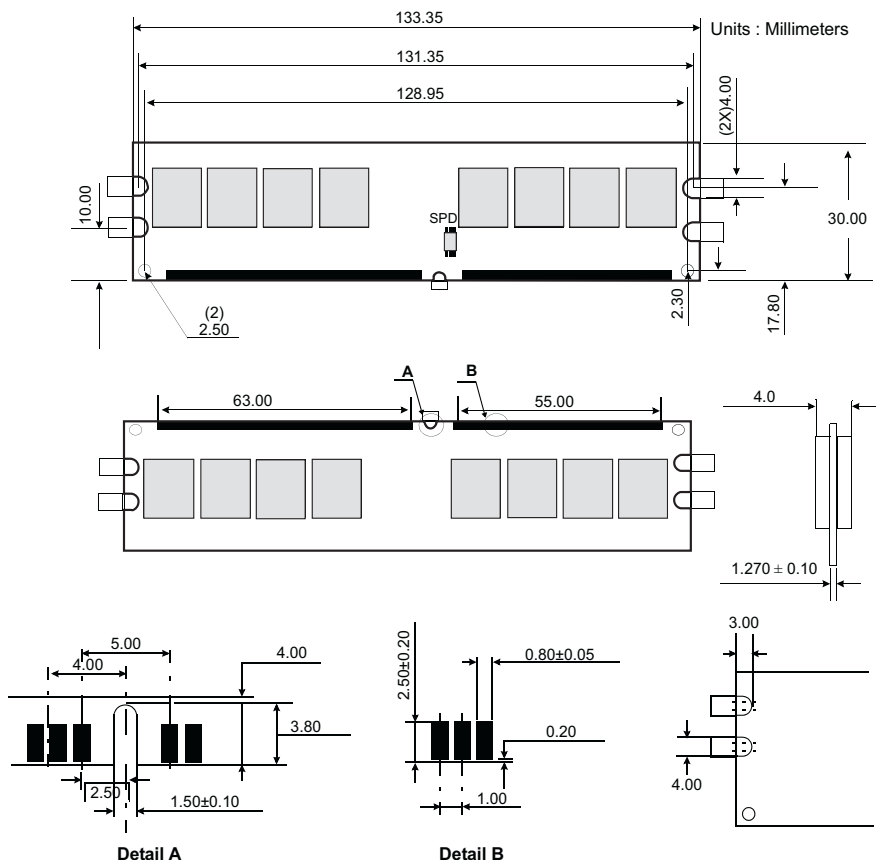


Figure 1: KVR667D2N5/1G 240-Pin DIMM