

KVR667D2N5/512
512MB 64M x 64-Bit DDR2-667
CL5 240-Pin DIMM

DESCRIPTION:

This document describes ValueRAM's 64M x 64-bit (512MB) DDR2-667 CL5 SDRAM (Synchronous **DRAM**) memory module. The components on this module include eight 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 | 1.296 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).

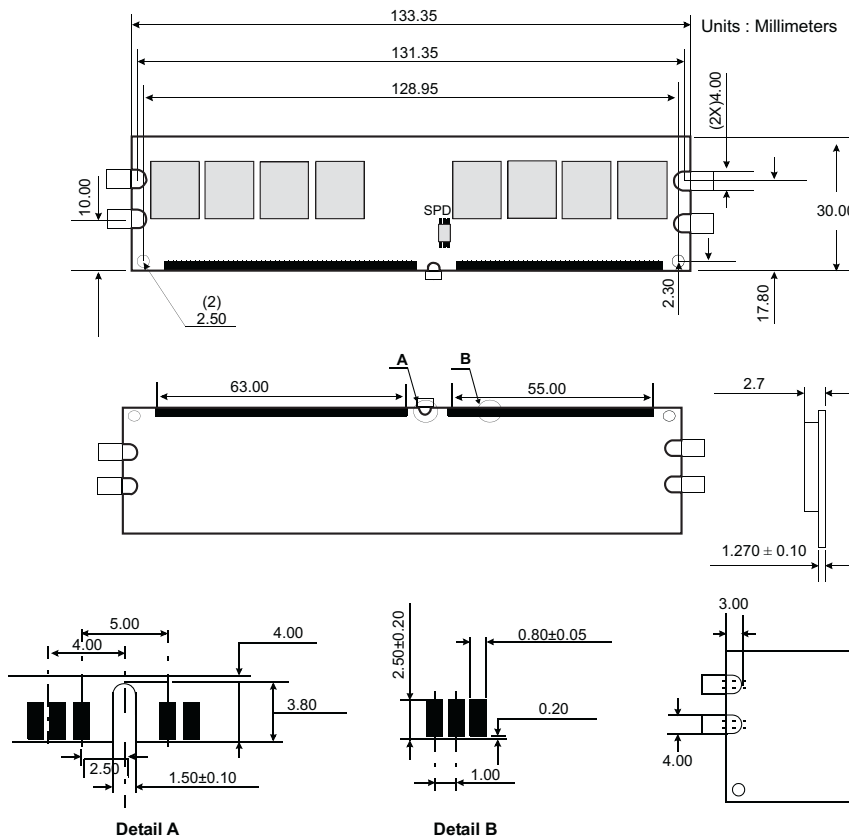


Figure 1: KVR667D2N5/512 240-Pin DIMM