

Memory Module Specification

KVR533D2N4/256

256MB 32M x 64-Bit DDR2-533 CL4 240-Pin DIMM

DESCRIPTION:

This document describes ValueRAM's 32M x 64-bit (256MB) CL4 DDR2-533 SDRAM (Synchronous **DRAM**) memory module. The components on this module include four 32M x 16-bit (8M x 16-bit x 4 Bank) DDR2-533 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=4 3.75ns (min.) / 8ns (max.)

Row Cycle Time (tRC) 55ns (min.)

Refresh to Active/Refresh Command Time (tRFC) 75ns

☑ Row Active Time (tRAS) 40ns (min.) / 70,000ns (max.)

Single Power Supply of +1.8V (+/-.1V)

☑ Power 0.864 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).

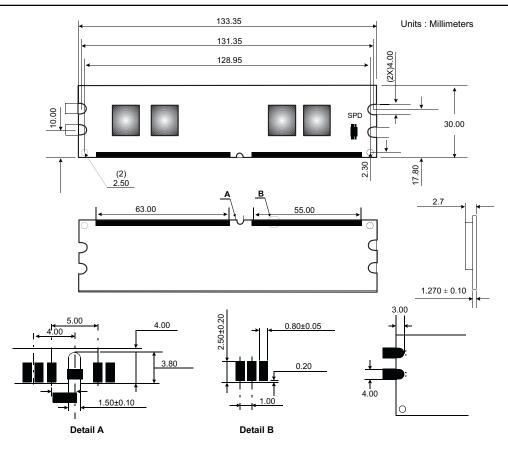


Figure 1: KVR533D2N4/256 240-Pin DIMM