

KVR533D2S4/256

256MB 32M x 64-Bit DDR2-533

CL4 200-Pin SODIMM

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 eight 32M x 8-bit (8M x 8-bit x 4 Bank) DDR2-533 SDRAM in FBGA packages. This 200-pin SODIMM 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 | 1.440 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 30.00mm.

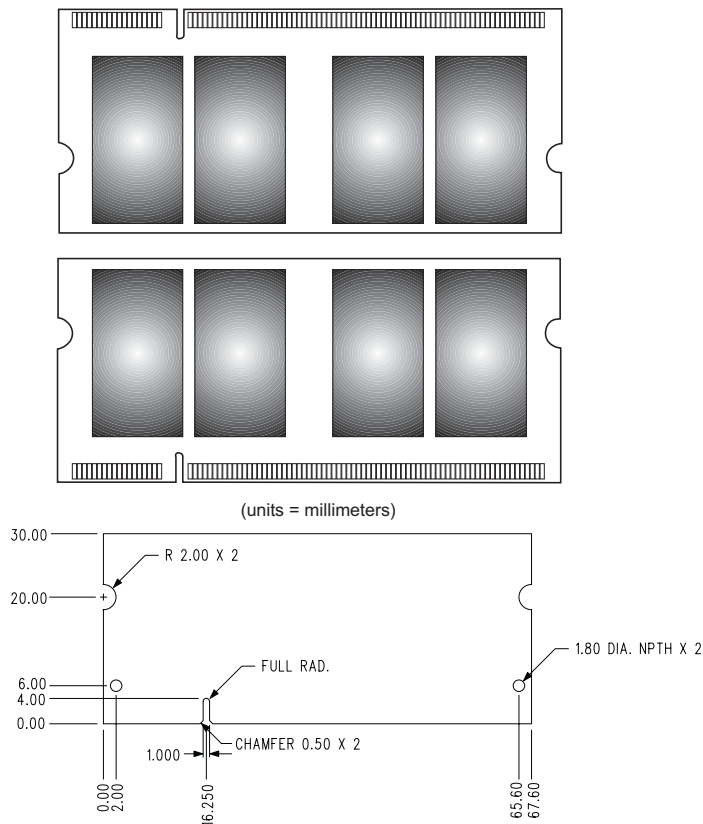


Figure 1: KVR533D2S4/256 200-Pin SODIMM