

KVR533D2S4/1G 1GB 128M x 64-Bit DDR2-533 CL4 200-Pin SODIMM

DESCRIPTION:

This document describes ValueRAM's 128M x 64-bit 1GB (1024MB) CL4 DDR2-533 SDRAM (Synchronous **DRAM**) memory module. The components on this module include eight 128M x 8-bit 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) | 60ns (min.) |
| ✓ Refresh to Active/Refresh Command Time (tRFC) | 127.5ns |
| ✓ Row Active Time (tRAS) | 45ns (min.) / 70,000ns (max.) |
| ✓ Single Power Supply of | +1.8V (+/- .1V) |
| ✓ Power | 0.972 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.

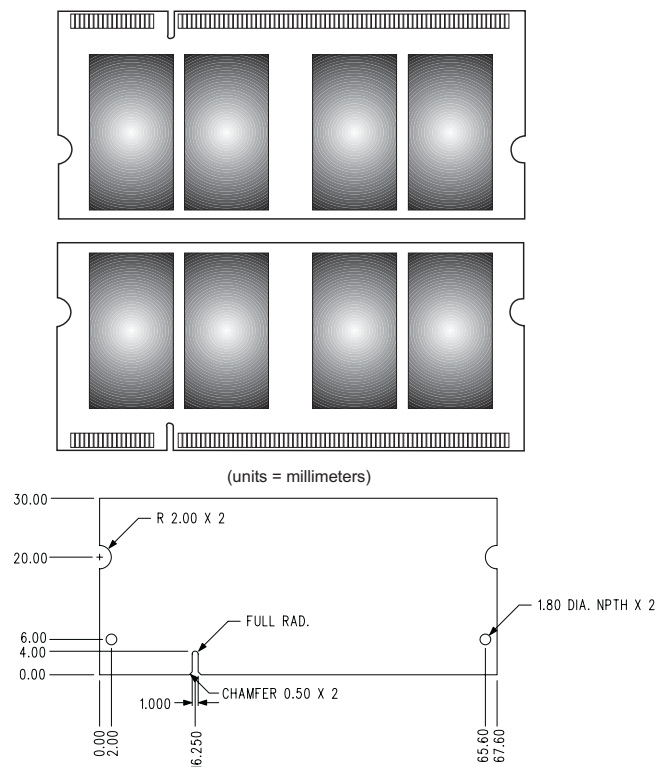


Figure 1: KVR533D2S4/1G 200-Pin SODIMM