

KVR533D2S4/128

128MB 16M x 64-Bit DDR2-533

CL4 200-Pin SODIMM

DESCRIPTION:

This document describes ValueRAM's 16M x 64-bit (128MB) CL4 DDR2-533 SDRAM (Synchronous **DRAM**) memory module. The components on this module include four 16M x 16-bit (4M x 16-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	0.720 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.

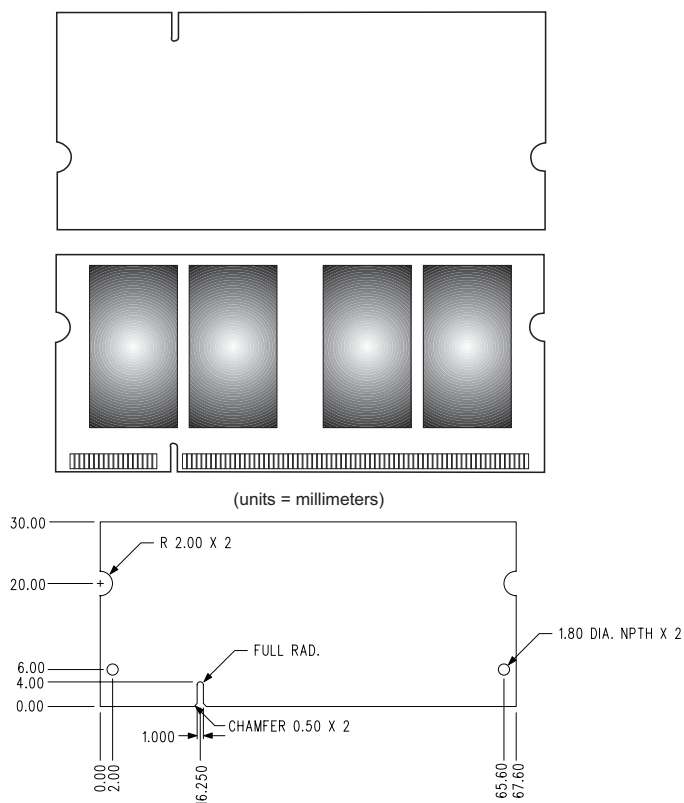


Figure 1: KVR533D2S4/128 200-Pin SODIMM