KVR400D2S3/128
128MB 16M x 64-Bit DDR2-400
CL3 200-Pin SODIMM

DESCRIPTION:

This document describes ValueRAM's 16M x 64-bit (128MB) DDR2-400 CL3 SDRAM (**S**ynchronous **DRAM**) memory module. The components on this module include four 16M x 16-bit (4M x 16-bit x 4 Bank) DDR2-400 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=3	5ns (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	0.684 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.
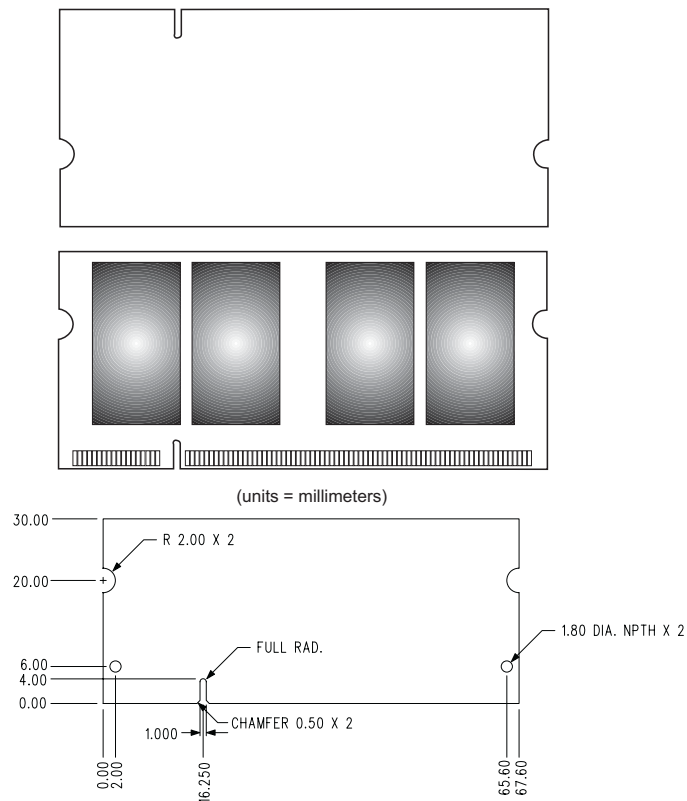

(units = millimeters)

Figure 1: KVR400D2S3/128 200-Pin SODIMM