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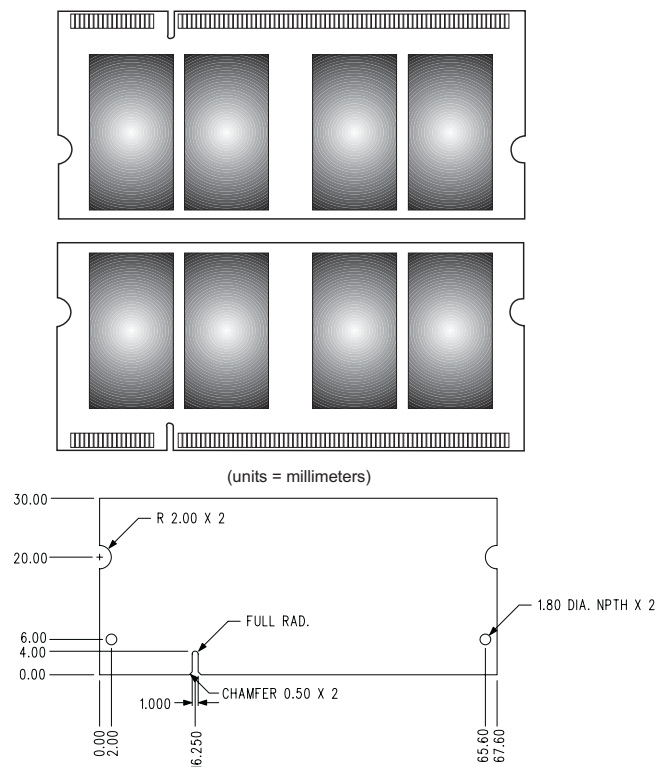## *1GB 128M x 64-Bit DDR2-533*
CL4 200-Pin SODIMM

DESCRIPTION:

This document describes ValueRAM's 128M x 64-bit 1GB (1024MB) CL4 DDR2-533 SDRAM (**S**ynchronous **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