Kingston TECHNOLOGY
ValueRAM

Memory Module Specification

KVR800D2S5/1G
1GB 128M x 64-Bit DDR2-800
CL5 200-Pin SODIMM

DESCRIPTION:

This document describes ValueRAM's 128M x 64-bit 1GB (1024MB) DDR2-800 CL5 SDRAM (**S**ynchronous **DRAM**) memory module. The components on this module include sixteen 64M x 8-bit DDR2-800 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=5	2.5ns (min.) / 8ns (max.)
☑	Row Cycle Time (tRC)	57.5ns (min.)
☑	Refresh to Active/Refresh Command Time (tRFC)	105ns
☑	Row Active Time (tRAS)	45ns (min.) / 70,000ns (max.)
☑	Single Power Supply of	+1.8V (+/- .1V)
☑	Power	1.800 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 30mm.
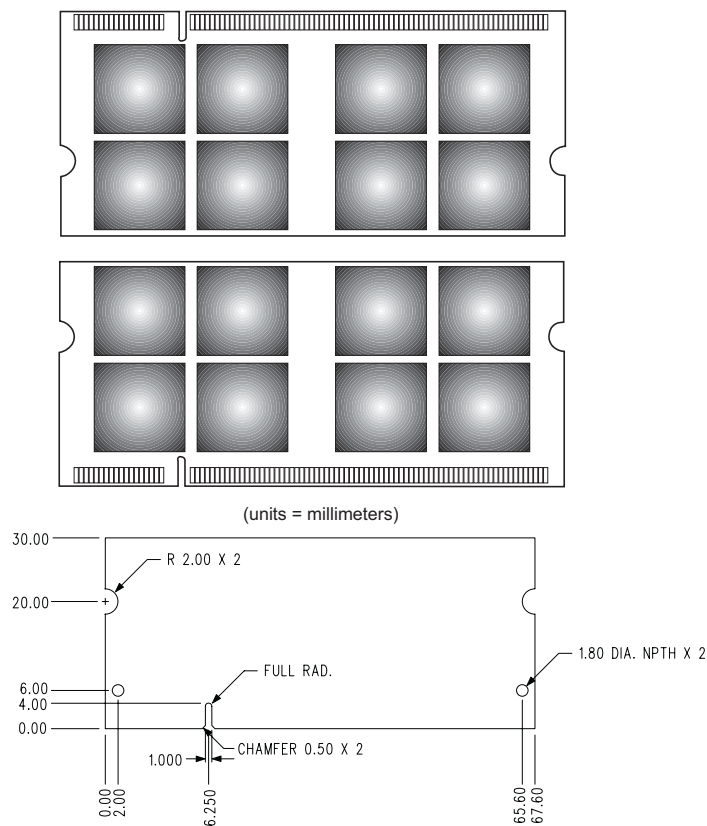

(units = millimeters)

Figure 1: KVR800D2S5/1G 200-Pin SODIMM