

## KVR400X64SC3A/1G

### 1GB 128M x 64-Bit DDR400

### CL3 200-Pin SODIMM

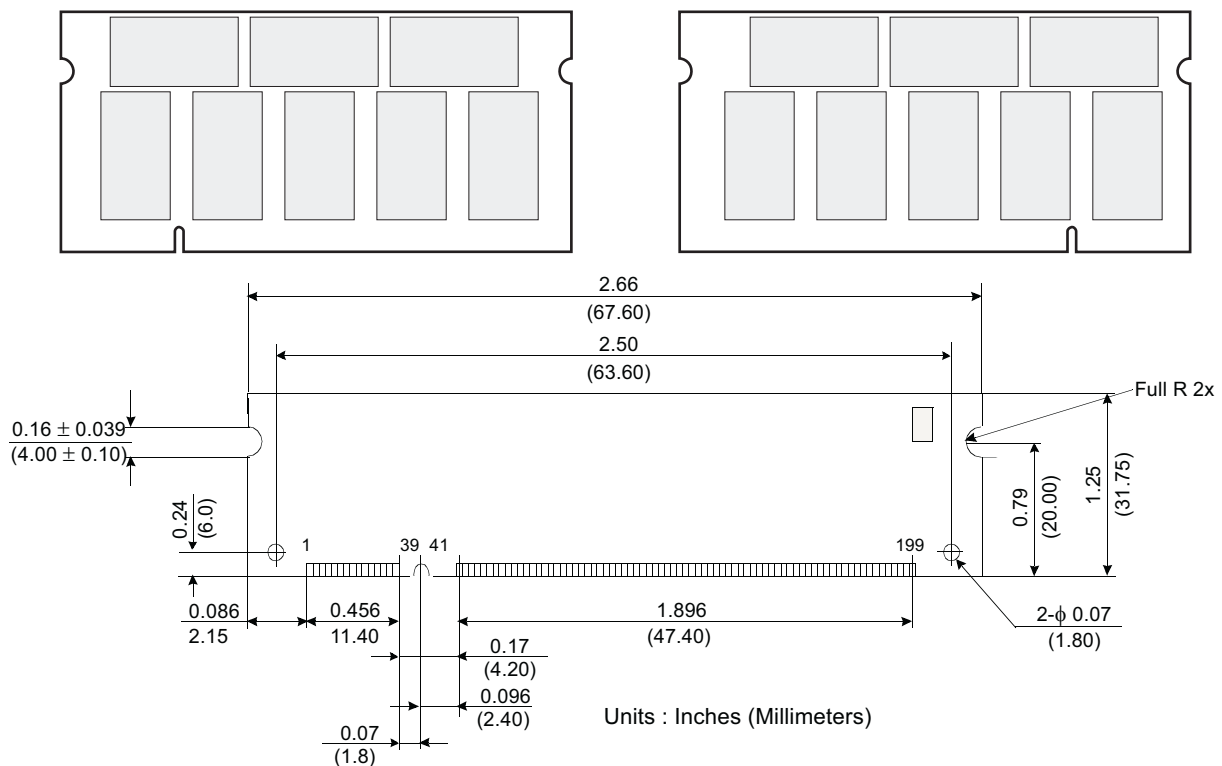
#### DESCRIPTION:

This document describes ValueRAM's 128M x 64-bit 1GB (1024MB) DDR400 CL3 SDRAM (Synchronous DRAM) memory module. The components on this module include sixteen 64M x 8-bit (16M x 8-bit x 4 Bank) DDR400 SDRAM in FBGA packages. This 200-pin SODIMM (Small Outline DIMM) uses gold contact fingers and requires +2.6V. The electrical and mechanical specifications are as follows:

#### FEATURES:

- ✓ Clock Cycle Time (tCK) 5ns (min.) / 10ns (max.)
- ✓ Row Cycle Time (tRC) 55ns (min.)
- ✓ Refresh Row Cycle Time (tRFC) 70ns (min.)
- ✓ Row Active Time (tRAS) 40ns (min.) / 70,000ns (max.)
- ✓ Single Power Supply of +2.6V (+/- .1V)
- ✓ Operating 5.408 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 1.250" (31.75mm).



**Figure 1: KVR400X64SC3A/1G 200-Pin SODIMM**