

KVR400X64SC3A/512 512MB 64M x 64-Bit DDR400 CL3 200-Pin SODIMM

DESCRIPTION:

This document describes ValueRAM's 64M x 64-bit (512MB) DDR400 CL3 SDRAM (Synchronous DRAM) memory module. The components on this module include eight 32M x 16-bit (8M x 16-bit x 4 Bank) DDR400 SDRAM in TSOP packages. This 200-pin SODIMM uses gold contact fingers and requires +2.6V. The electrical and mechanical specifications are as follows:

FEATURES:

- ✓ Clock Cycle Time (tCK) 6ns (min.) / 12ns (max.)
- ✓ Row Cycle Time (tRC) 60ns (min.)
- ✓ Refresh Row Cycle Time (tRFC) 72ns (min.)
- ✓ Row Active Time (tRAS) 42ns (min.) / 70,000ns (max.)
- ✓ Single Power Supply of +2.6V (+/- .1V)
- ✓ Operating (IDD0) 3.615 W
- ✓ 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).

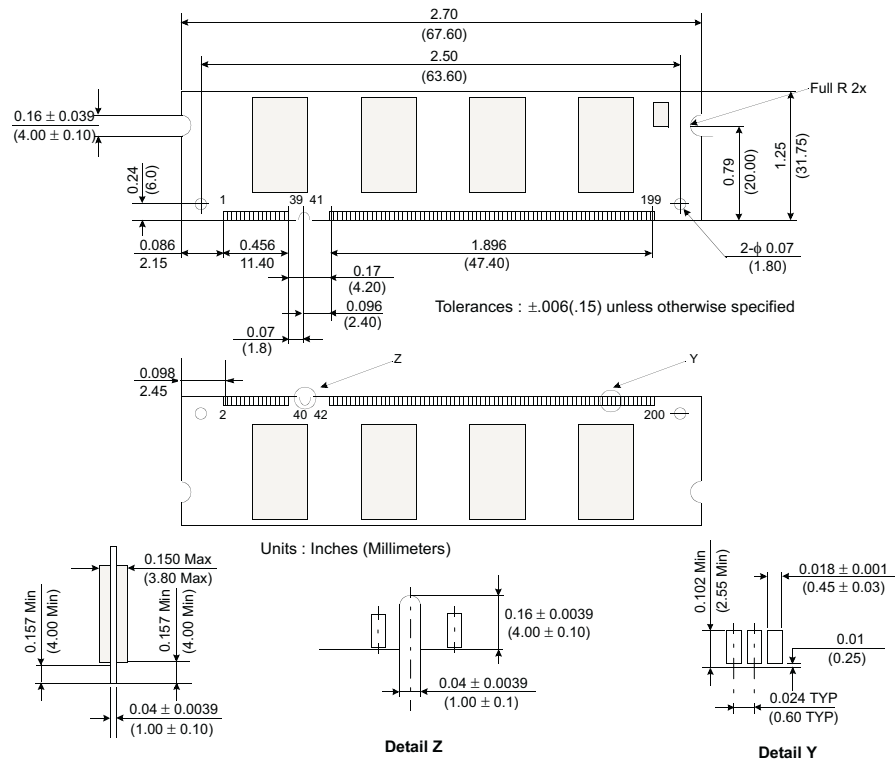


Figure 1: KVR400X64SC3A/512 200-Pin SODIMM