

Memory Module Specifications

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:

SPECIFICATIONS

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.

Figure 1: KVR400X64SC3A/1G 200-Pin SODIMM

