

Memory Module Specifications

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:

SPECIFICATIONS

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.

Figure 1: KVR400X64SC3A/512 200-Pin SODIMM

