

Memory Module Specification

KVR400X64C25/128
128MB 16M x 64-Bit DDR400
CL2.5 184-Pin DIMM

DESCRIPTION:

This document describes ValueRAM's 16M x 64-bit (128MB) DDR400 CL2.5 SDRAM (Synchronous **DRAM**) memory module. The components on this module include four 16M x 16-bit (4M x 16-bit x 4 Bank) DDR400 SDRAM in TSOP packages. This 184-pin 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.) / 100,000ns (max.)
✓	Single Power Supply of	+2.6V (+/- .1V)
✓	Power (IDD0)	1.144 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).

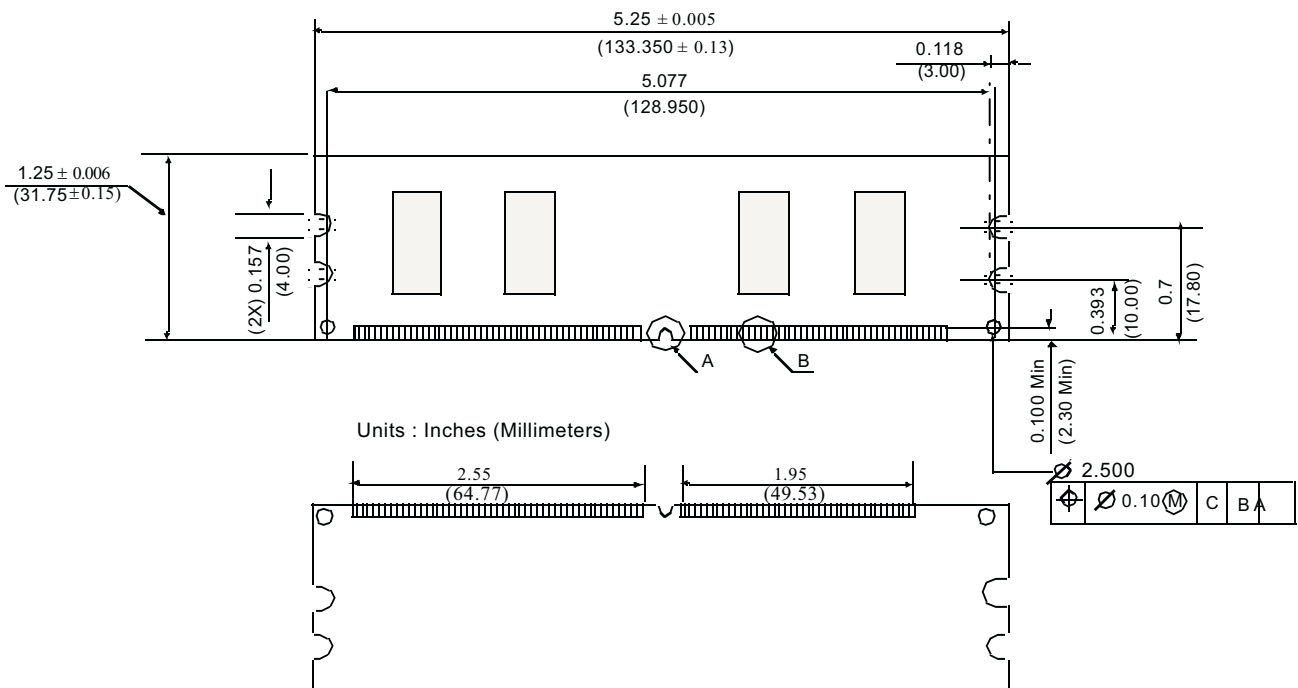


Figure 1: KVR400X64C25/128 184-Pin DIMM