

# Memory Module Specification

## KVR400X64C3A/128

## 128MB 16M x 64-Bit DDR400 CL3 184-Pin DIMM

### **DESCRIPTION:**

This document describes ValueRAM's 16M x 64-bit (128MB) CL3 DDR400 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.) / 70,000ns (max.)

✓ Single Power Supply of +2.6V (+/-.1V)
✓ Power (IDD0) +2.6V (+/-.1V)
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 1.375" (34.92mm).

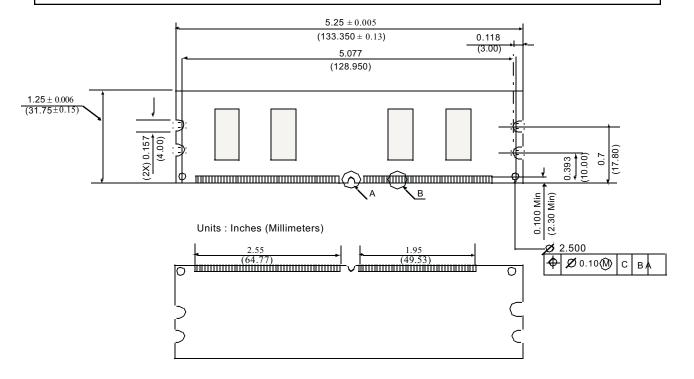


Figure 1: KVR400X64C3A/128 184-Pin DIMM

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