

# Memory Module Specification

## **KVR400X72RC3A/1G**

## 1GB 128M x 72-Bit DDR400 CL3 Registered 184-Pin ECC DIMM

### **DESCRIPTION:**

This document describes ValueRAM's 128M x 72-bit 1GB (1024MB) DDR400 CL3 SDRAM (Synchronous DRAM) Registered ECC memory module. The components on this module include eighteen stacked 128M x 4-bit (thirty-six 64M x 4-Bit) DDR400 SDRAM and three 16-bit drivers in TSSOP 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.)

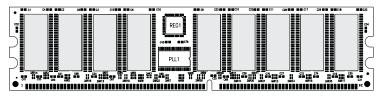
☑ Row Active Time (tRAS) 40ns (min.) / 70,000ns (max.)

✓ Single Power Supply of +2.6V (+/-.1V) ✓ Power (IDD0) 8.700 W (operating)

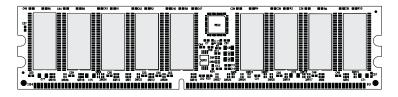
☑ UL Rating 94 V - 0

**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 1.200" (30.48mm).

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COMP SIDE



SOLDER SIDE- MIRRORED

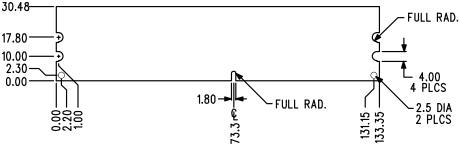


Figure 1: KVR400X72RC3A/1G 184-Pin DIMM

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