

## KVR400S8R3A/256

### 256MB 32M x 72-Bit DDR400 CL3

### Registered 184-Pin ECC DIMM

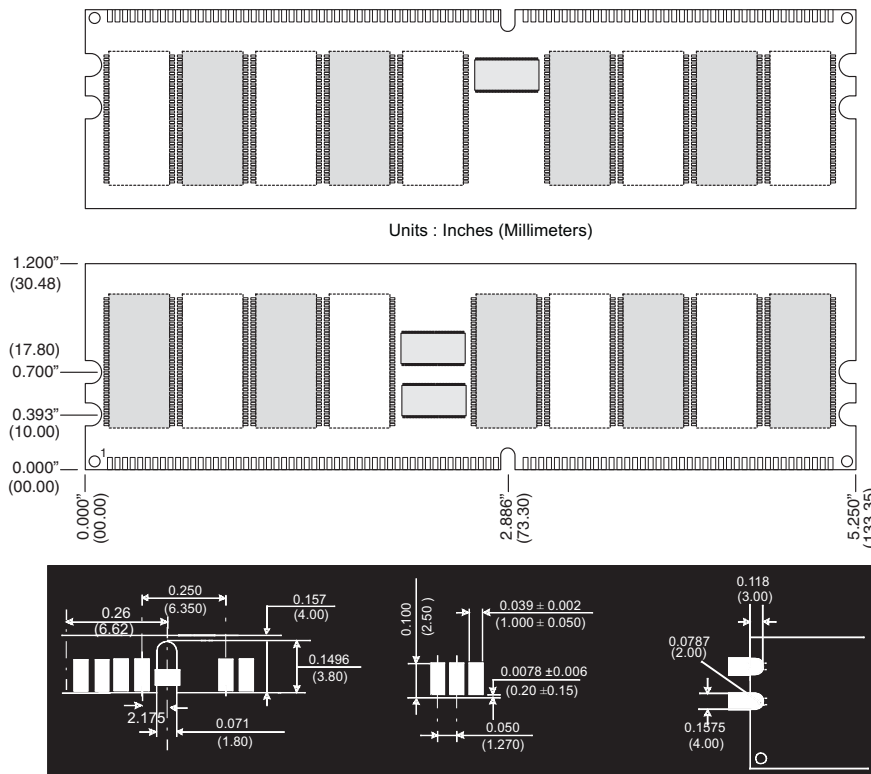
#### DESCRIPTION:

This document describes ValueRAM's 32M x 72-bit (256MB) DDR400 CL3 SDRAM (Synchronous DRAM) "single rank" Registered ECC memory module. The components on this module include nine 32M x 8-bit (8M x 8-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 4.125 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).



**Figure 1: KVR400S8R3A/256 184-Pin DIMM**