

## KVR133X64C3L/512

### 512MB 64M x 64-Bit PC133

### CL3 Low Profile 168-Pin DIMM

#### DESCRIPTION:

This document describes ValueRAM's 64M x 64-bit (512MB) CL3 SDRAM (Synchronous DRAM) 133MHz low profile memory module. The components on this module include sixteen 32M x 8-bit (8M x 8-bit x 4 Bank) PC133 CL3 SDRAM in TSOP packages. This 168-pin DIMM uses gold contact fingers and requires +3.3V. The electrical and mechanical specifications are as follows:

#### FEATURES:

- ✓ CLK Cycle Time (tCC) min. = 7.5ns (CAS Latency = 3) / max. = 1000ns
- ✓ Row Cycle Time (tRC) 65ns
- ✓ CLK to Output (tSAC) max. = 5.4ns (CAS Latency = 3)
- ✓ Single Power Supply of +3.3V (+/- .3V)
- ✓ 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 1.2" (30.48mm).

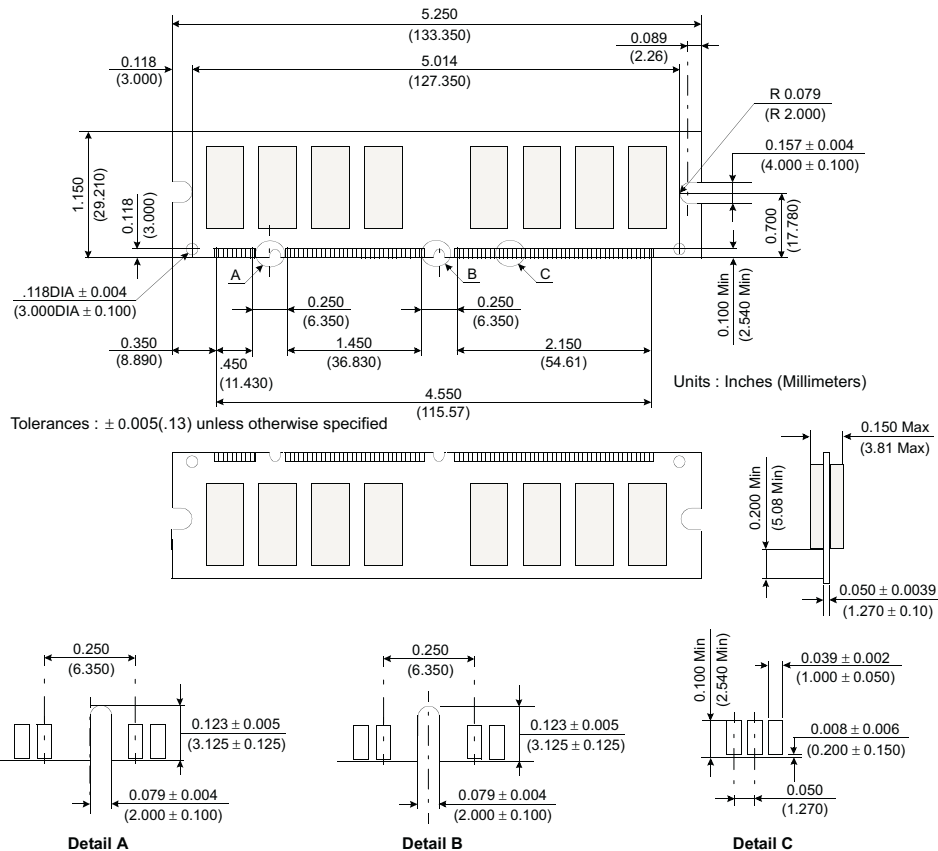


Figure 1: KVR133X64C3L/512 168-Pin SDRAM Module