

## Memory Module Specification

## KVR133X64SC3/256 PC133 SDRAM 144-Pin CL3 SODIMM Memory Module

## **DESCRIPTION:**

This document describes ValueRAM's CL3 32M x 64-bit (256MB) SDRAM (Synchronous DRAM) PC133 Small Outline DIMM memory module. The components on this module include eight 16M x 16-bit (4M x 16-bit x 4 Bank / PC133 components) 4K Refresh SDRAM in TSOP packages. This 144-pin SODIMM uses gold contact fingers and requires +3.3V. The electrical and mechanical specifications are as follows:

## **FEATURES:**

✓ CLK Cycle Time (tCC)
✓ Row Cycle Time (tRC)
✓ CLK to Output (tSAC)
✓ Single Power Supply of
✓ Power
✓ Power
Min. = 7.5ns (CAS Latency = 3) / max. = 1000ns
65ns
max. = 5.4ns (CAS Latency = 3)
+3.3V (+/- .3V)
2.221 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).

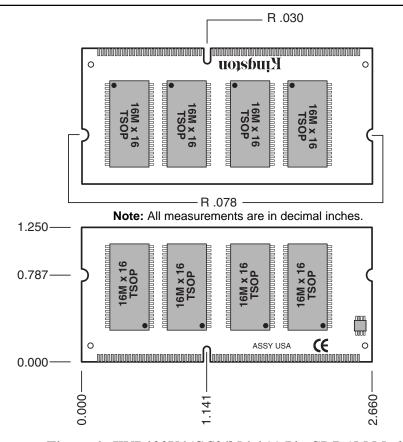


Figure 1: KVR133X64SC3/256 144-Pin SDRAM Module