

Memory Module Specification

KVR100X64SC2L/256
256MB Low Profile PC100 144-Pin
CL2 SODIMM Memory Module

DESCRIPTION:

This document describes ValueRAM's CL2 32M x 64-bit (256MB) SDRAM (Synchronous DRAM) PC100 Small Outline DIMM memory module. The components on this module include sixteen 16M x 8-bit (4M x 8-bit x 4 Bank / PC100 components) 4K Refresh SDRAM in UBGA 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)	min. = 10ns (CAS Latency = 2) / max. = 1000ns
✓	Row Cycle Time (tRC)	70ns
✓	CLK to Output (tSAC)	max. = 6ns (CAS Latency = 2)
✓	Single Power Supply of	+3.3V (+/- .3V)
✓	Power	3.696 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).

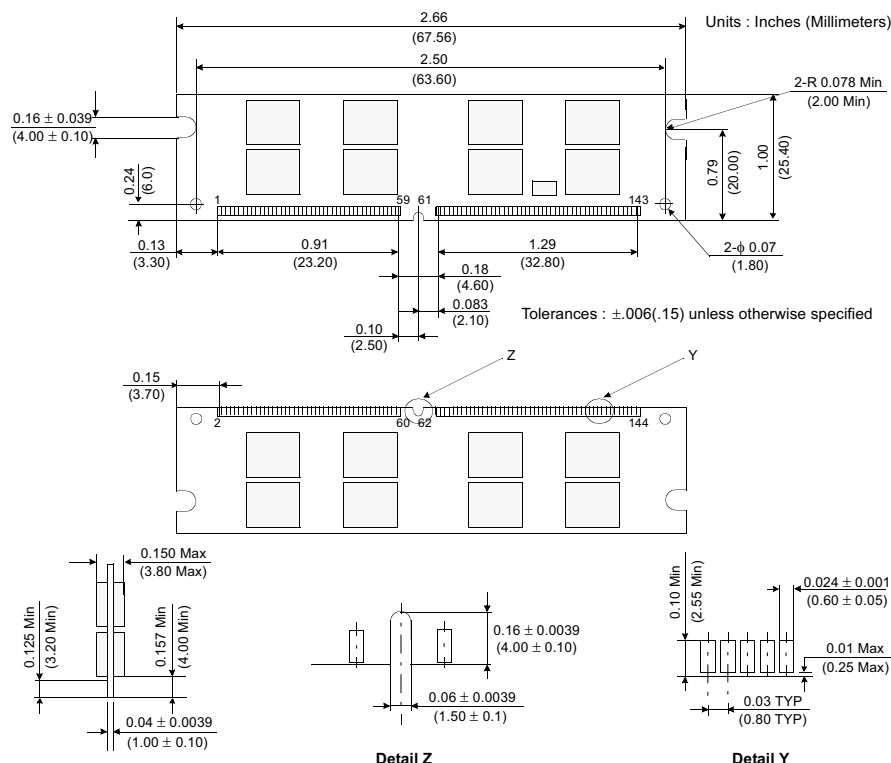


Figure 1: KVR100X64SC2L/256 144-Pin SDRAM Module