

KVR100X64SC2/256 100MHz SDRAM 144-Pin 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 Shrink TSOP (sTSOP) packages. This 144-pin SODIMM uses gold contact fingers and requires +3.3V. The electrical and mechanical specifications are as follows:

FEATURES:

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|--------------------------|--|
| ✓ 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 1.250" (31.75mm).

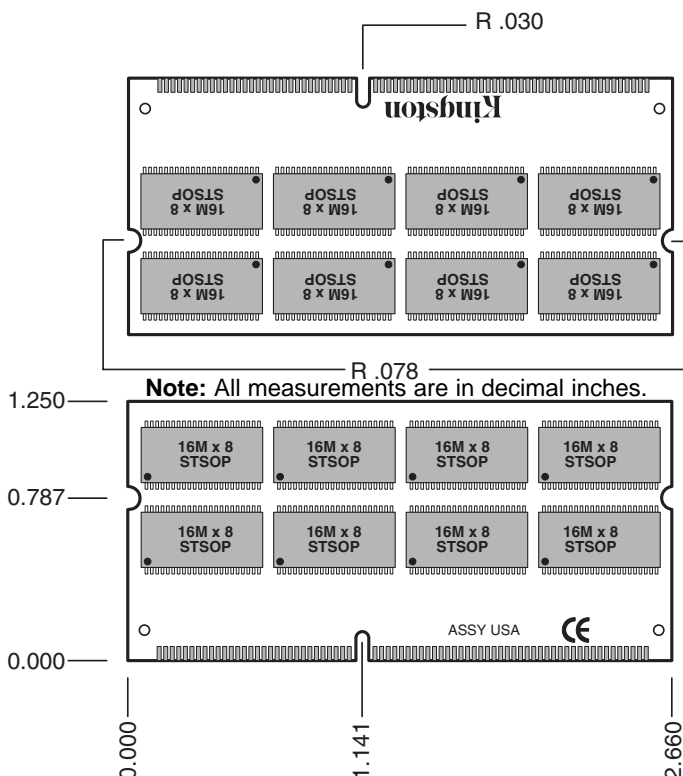


Figure 1: KVR100X64SC2/256 256MB 144-Pin SDRAM Module