Memory Module Specification

KVR100X64C2/128

100MHz SDRAM 168-Pin
PC100 DIMM Memory Module

DESCRIPTION:

This document describes ValueRAM's 16M x 64-bit (128MB), CAS Latency 2 (CL2) SDRAM (Synchronous DRAM) 100MHz memory module. The components on this module include sixteen 8M x 8-bit (2M x 8-bit x 4 Bank / PC100 components) 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. = 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	4.092 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 1.375" (34.92mm).

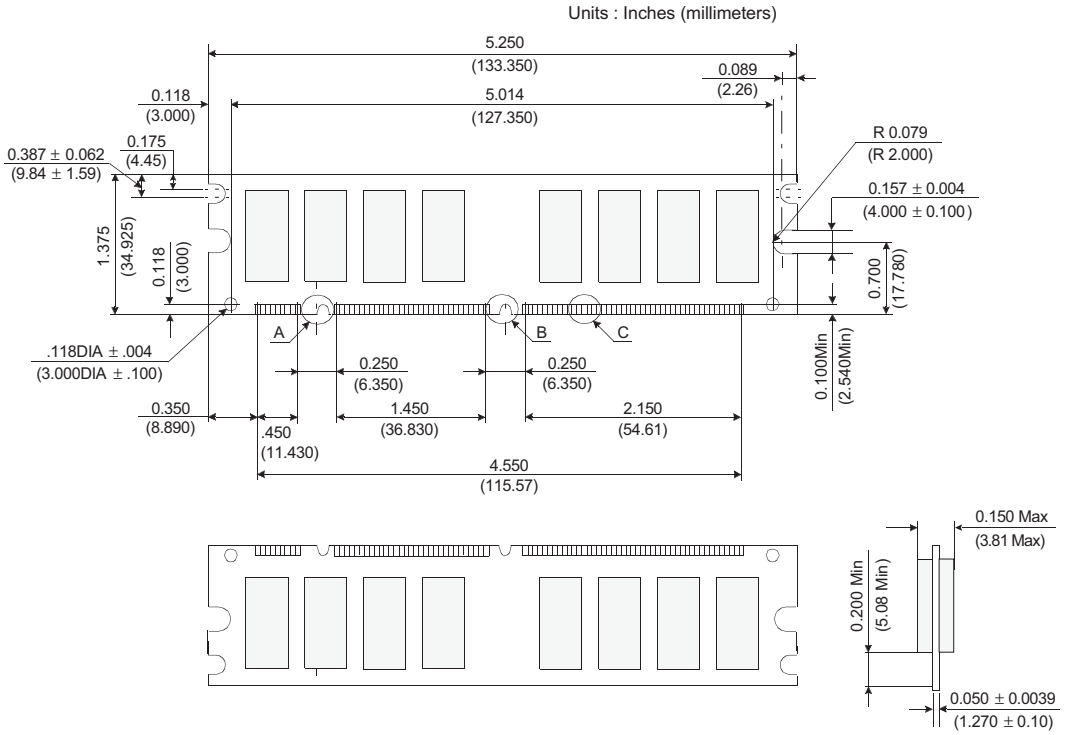

Figure 1: KVR100X64C2/128 168-Pin SDRAM Module