ValueRAM™ BY KINGSTON

Memory Module Specification

KVR133X64C2/512

512MB 64M x 64-Bit PC133
CL2 168-Pin DIMM Module

DESCRIPTION:

This document describes ValueRAM's 64M x 64-bit (512MB) CL2 SDRAM (Synchronous DRAM) PC133 DIMM module. The components on this module include sixteen 32M x 8-bit (8M x 8-bit x 4 Bank) PC133 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 = 2) / max. = 1000ns
☑ Row Cycle Time (tRC)	60ns
☑ CLK to Output (tSAC)	max. = 5.4ns (CAS Latency = 2)
☑ Single Power Supply of	+3.3V (+/- .3V)
☑ Power	4.140 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).

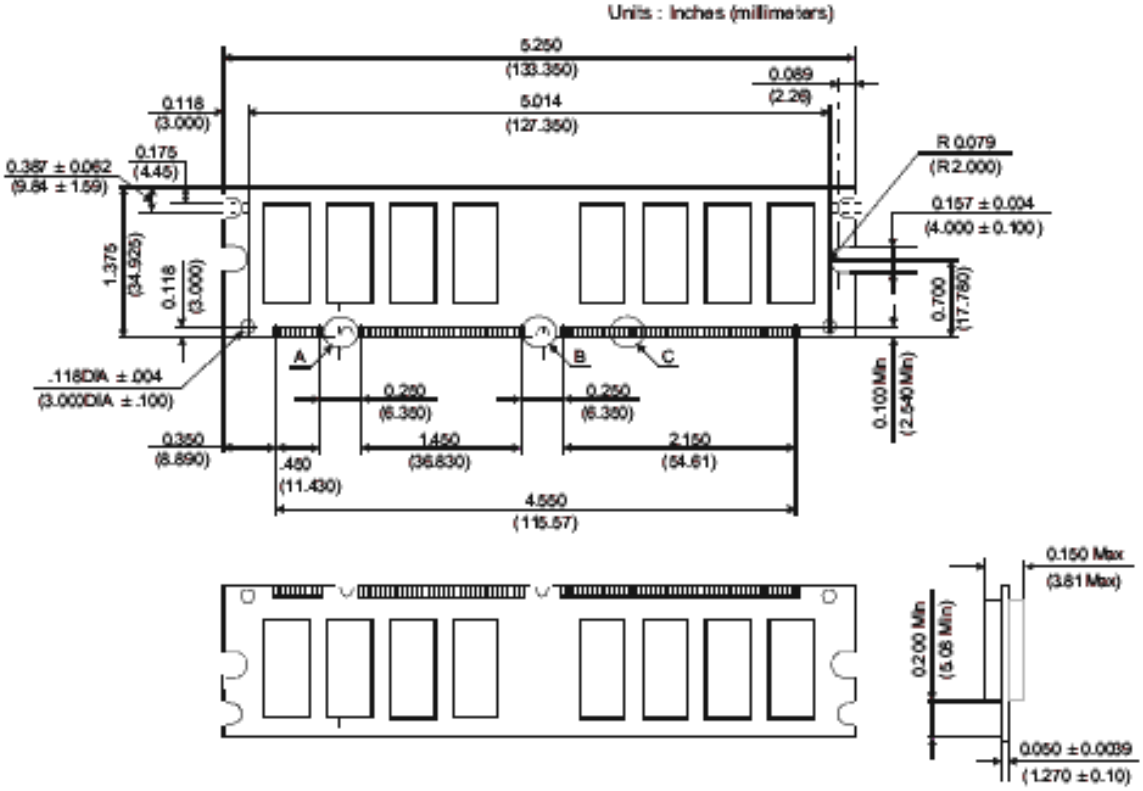

Figure 1: KVR133X64C2/512 168-Pin SDRAM Module

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