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ValueRAM™ BY KINGSTON

Memory Module Specification

KVR400X64C3A/1G

1GB 128M x 64-Bit DDR400
CL3 184-Pin DIMM

DESCRIPTION:

This document describes ValueRAM's 128M x 64-bit (1GB) DDR400 CL3 SDRAM (**S**ynchronous **DRAM**) memory module. The components on this module include sixteen 64M x 8-bit (16M x 8-bit x 4 Bank) DDR400 SDRAM in TSOP packages. This 184-pin DIMM uses gold contact fingers and requires +2.6V. The electrical and mechanical specifications are as follows:

FEATURES:

☑ Clock Cycle Time (tCK)	5ns (min.) / 10ns (max.)
☑ Row Cycle Time (tRC)	55ns (min.)
☑ Refresh Row Cycle Time (tRFC)	70ns (min.)
☑ Row Active Time (tRAS)	40ns (min.) / 70,000ns (max.)
☑ Single Power Supply of	+2.6V (+/- .1V)
☑ Power (IDD0)	5.408 W (operating)
☑ Operating Temperature	0° C to 70° C
☑ Storage Temperature	-55° C to +150° C
☑ UL Rating	94 V - 0

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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).

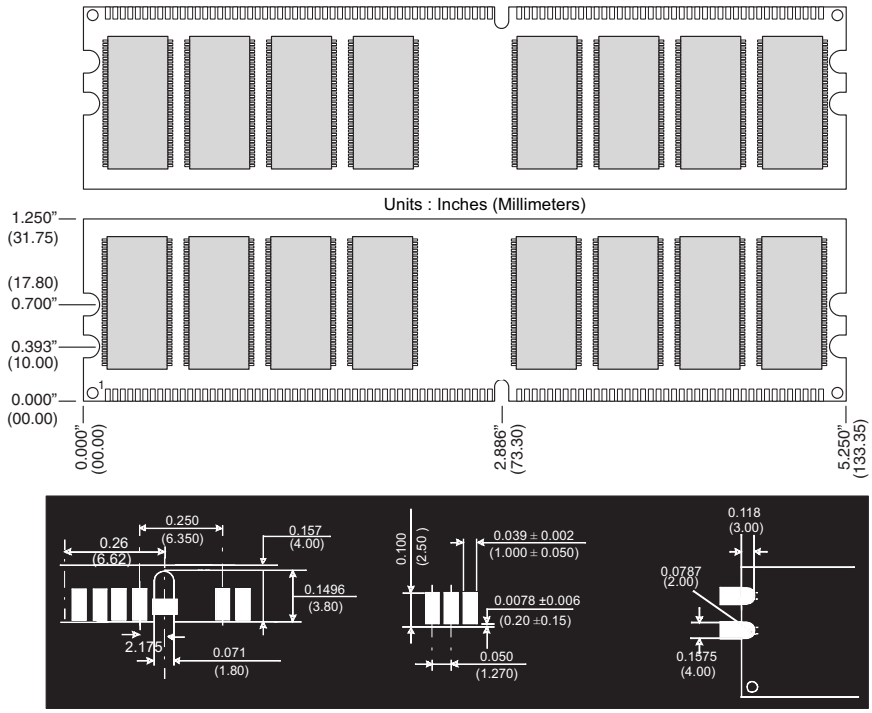

Figure 1: KVR400X64C3A/1G 184-Pin DIMM

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