Kingston TECHNOLOGY ValueRAM

Memory Module Specification

KVR400X72RC3A/1GD
1GB 128M x 72-Bit DDR400
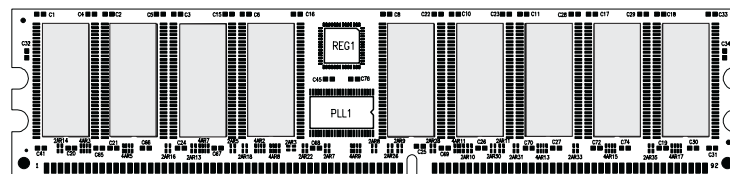### CL3 Registered 184-Pin ECC DIMM

DESCRIPTION:

This document describes ValueRAM's 128M x 72-bit 1GB (1024MB) DDR400 CL3 SDRAM (Synchronous DRAM) Registered ECC memory module. The components on this module include eighteen 64M x 8-bit (16M x 8-Bit x 4 Bank) DDR400 SDRAM and three 16-bit drivers in TSSOP packages. This 184-pin DIMM uses gold contact fingers and requires +2.6V. The electrical and mechanical specifications are as follows:
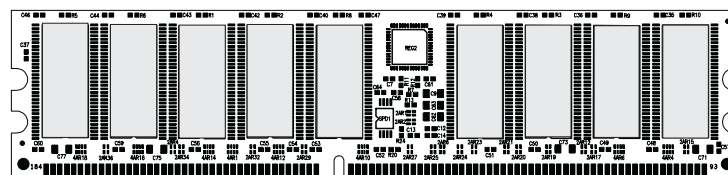
FEATURES:

☑	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)	6.120 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).
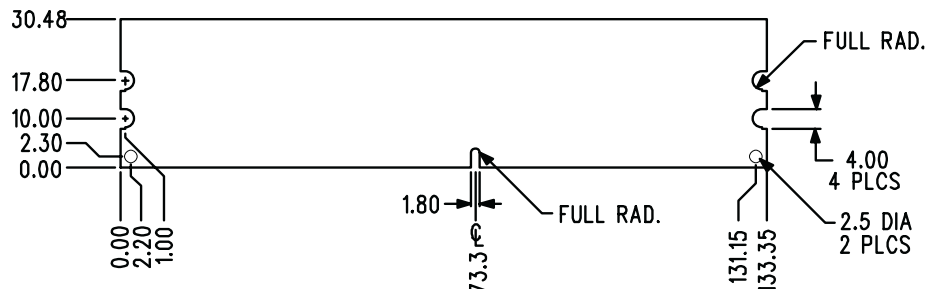

COMP SIDE

SOLDER SIDE— MIRRORED

Figure 1: KVR400X72RC3A/1GD 184-Pin DIMM