KVR333X72R4C25/4GD
4GB 512M x 72-Bit DDR333
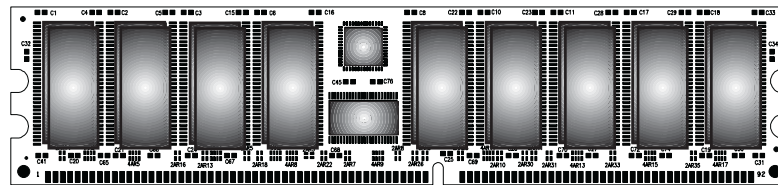## *CL2.5 Registered 184-Pin ECC DIMM*

DESCRIPTION:

This document describes ValueRAM's 512M x 72-bit 4GB (4096MB) DDR333 CL2.5 SDRAM (Synchronous DRAM) "dual rank" Registered ECC memory module. The components on this module include eighteen stacked 512M x 4-bit (thirty-six 256M x 4-Bit) DDR333 SDRAM. This 184-pin DIMM uses gold contact fingers and requires +2.5V. The electrical and mechanical specifications are as follows:
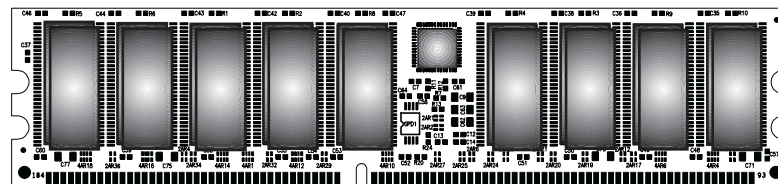
FEATURES:

☑	Clock Cycle Time (tCK)	6ns (min.) / 12ns (max.)
☑	Row Cycle Time (tRC)	60ns (min.)
☑	Refresh Row Cycle Time (tRFC)	72ns (min.)
☑	Row Active Time (tRAS)	42ns (min.) / 70,000ns (max.)
☑	Single Power Supply of	+2.5V (+/- .2V)
☑	Power	11.500 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).
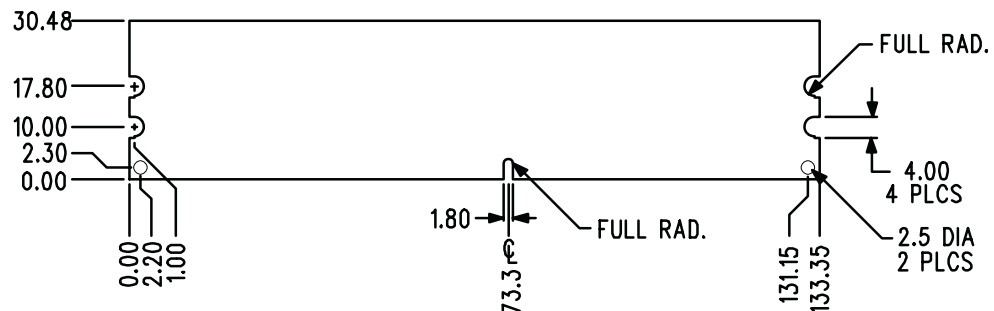

COMP SIDE

SOLDER SIDE— MIRRORED

Figure 1: KVR333X72R4C25/4GD 184-Pin DIMM