

Memory Module Specification

KVR333S4R25/512
512MB 64M x 72-Bit DDR333
CL2.5 Registered 184-Pin ECC DIMM

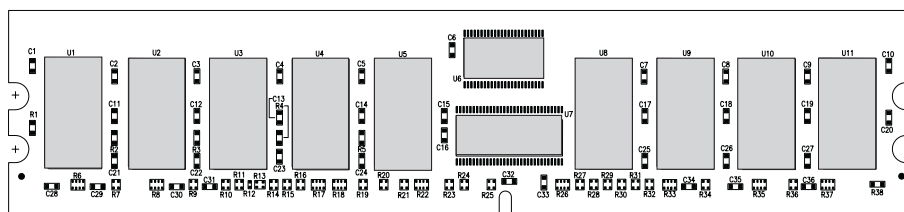
DESCRIPTION:

This document describes ValueRAM's 64M x 72-bit (512MB) DDR333 CL2.5 SDRAM (Synchronous DRAM) "single rank" Registered ECC memory module. The components on this module include eighteen 64M x 4-bit (16M x 4-Bit x 4 Bank) DDR333 SDRAM in BGA packages. This 184-pin DIMM uses gold contact fingers and requires +2.5V. The electrical and mechanical specifications are as follows:

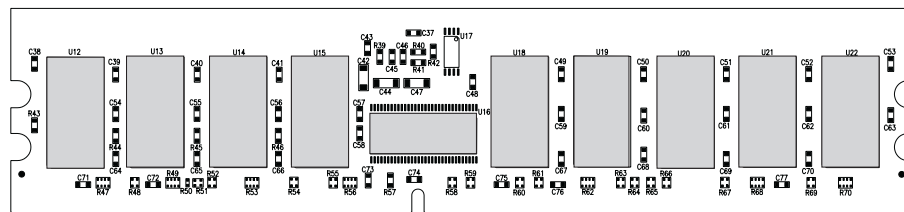
FEATURES:

☑	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	7.225 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).



PRIMARY SIDE



SECONDARY SIDE
MIRRORED

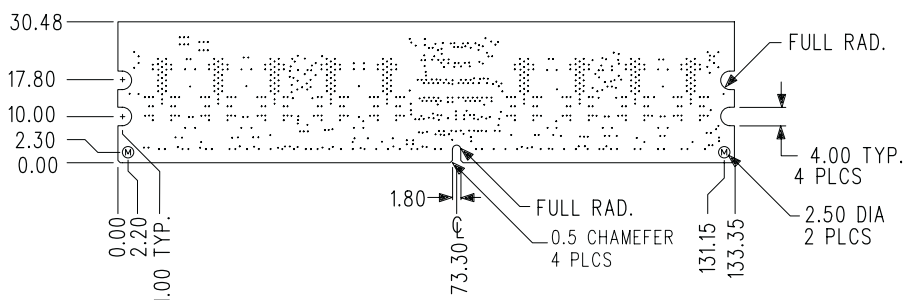


Figure 1: KVR333S4R25/512 184-Pin DIMM