KVR533D2D4R4/4G
4GB 512M x 72-Bit DDR2-533
CL4 Registered 240-Pin ECC DIMM

DESCRIPTION:

This document describes ValueRAM's 512M x 72-bit 4GB (4096MB) DDR2-533 CL4 SDRAM (**S**ynchronous **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) DDR2-533 SDRAM in BGA packages. This 240-pin DIMM uses gold contact fingers and requires +1.8V. The electrical and mechanical specifications are as follows:

FEATURES:

☑	Clock Cycle Time (tCK) CL=4	3.75ns (min.) / 8ns (max.)
☑	Row Cycle Time (tRC)	55ns (min.)
☑	Refresh to Active/Refresh Command Time (tRFC)	127.5ns
☑	Row Active Time (tRAS)	40ns (min.) / 70,000ns (max.)
☑	Single Power Supply of	+1.8V (+/- .1V)
☑	Power	5.508 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 1.250" (31.75mm).
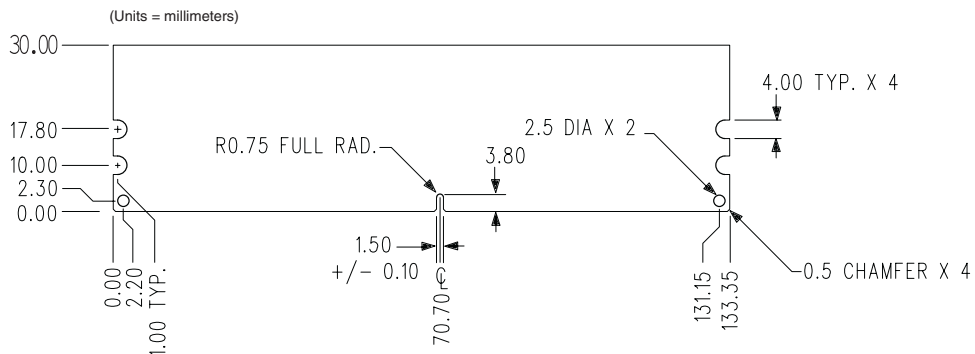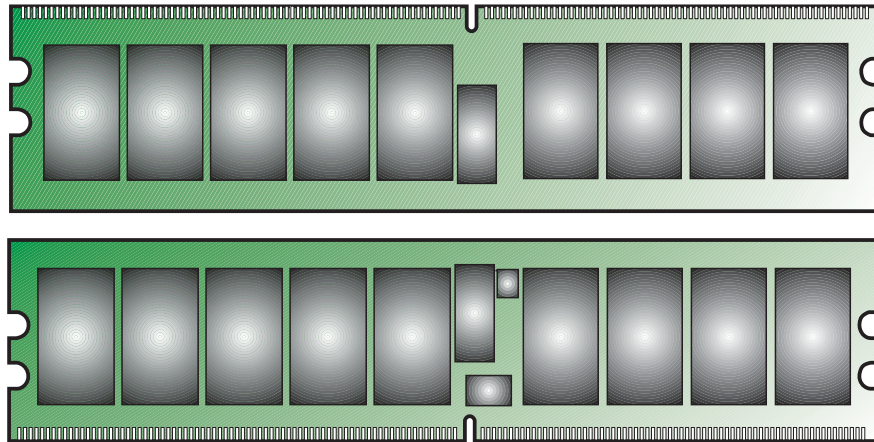

Figure 1: KVR533D2D4R4/4G 240-Pin DIMM