

Memory Module Specification

KVR533D2S4R4K2/2G

**2GB (1GB 128M x 72-Bit x 2pcs.) DDR2-533
CL4 Registered 240-Pin ECC DIMM Kit**

DESCRIPTION:

ValueRAM's KVR533D2S4R4K2/2G is a kit of two 128M x 72-bit 1GB (1024MB) DDR2-533 CL4 SDRAM (**S**ynchronous **D**RAM) "single rank" registered ECC memory modules. Total kit capacity is 2GB (2048MB). The components on each module include eighteen 128M x 4-bit DDR2-533 SDRAM in FBGA packages. Each 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)	60ns (min.)
✓	Refresh to Active/Refresh Command Time (tRFC)	105ns
✓	Row Active Time (tRAS)	45ns (min.) / 70,000ns (max.)
✓	Single Power Supply of	+1.8V (+/- .1V)
✓	Power	2.430 W (operating per module)
✓	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).

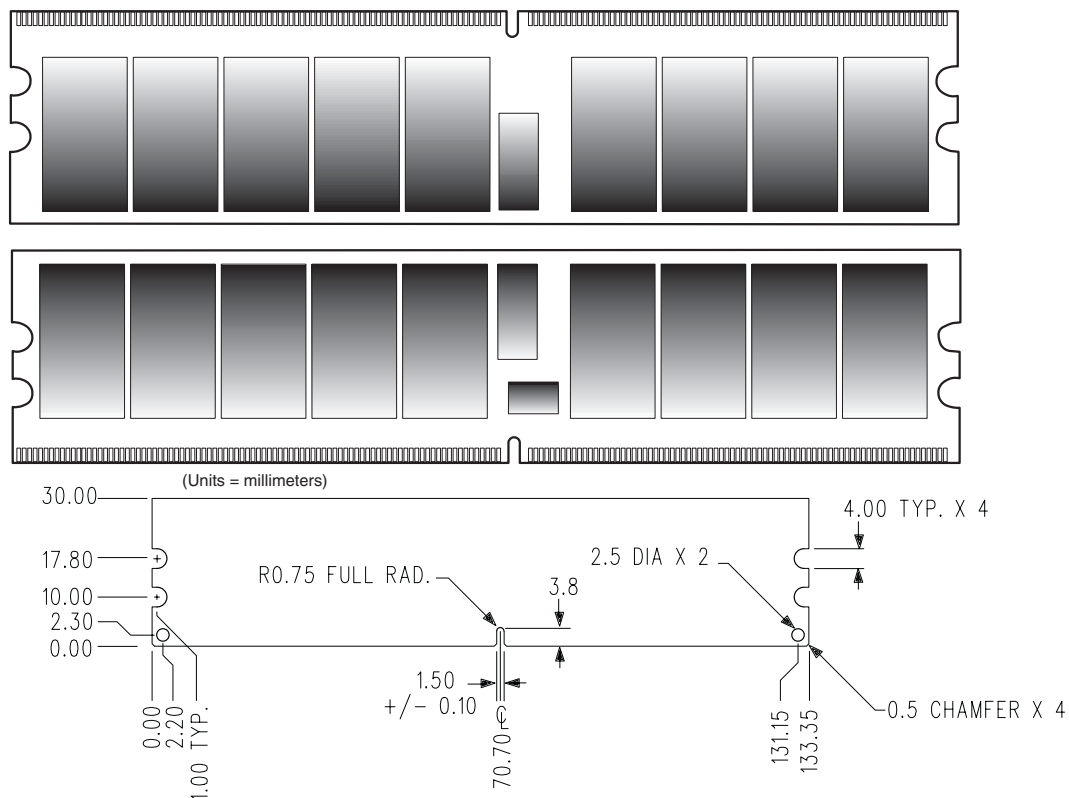


Figure 1: KVR533D2S4R4K2/2G 240-Pin DIMM