

## KVR533D2S4R4/2G

### 2GB 256M x 72-Bit DDR2-533

### CL4 Registered 240-Pin ECC DIMM

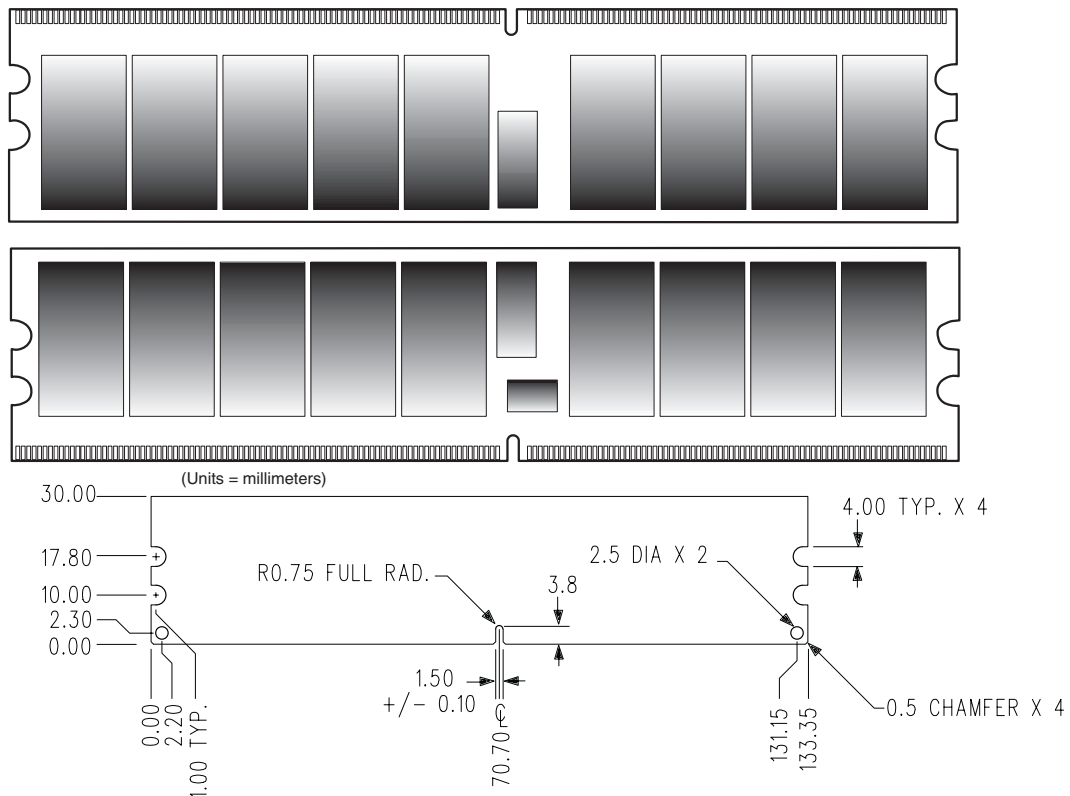
#### DESCRIPTION:

This document describes ValueRAM's 256M x 72-bit 2GB (2048MB) DDR2-533 CL4 SDRAM (Synchronous **DRAM**) "single rank" registered ECC memory module. The components on this module include eighteen 256M x 4-bit DDR2-533 SDRAM in FBGA 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)	60ns (min.)
✓ Refresh to Active/Refresh Command Time (tRFC)	127.5ns
✓ Row Active Time (tRAS)	45ns (min.) / 70,000ns (max.)
✓ Single Power Supply of	+1.8V (+/- .1V)
✓ Power	2.592 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: KVR533D2S4R4/2G 240-Pin DIMM**