

KVR533D2Q8R4/4G
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 (Synchronous **DRAM**) "quad rank" registered ECC memory module. The components on this module include thirty-six 128M x 8-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:

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|---|---|-------------------------------|
| ✓ | 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 | TBD (operating) |
| ✓ | UL Rating | 94 V - 0 |

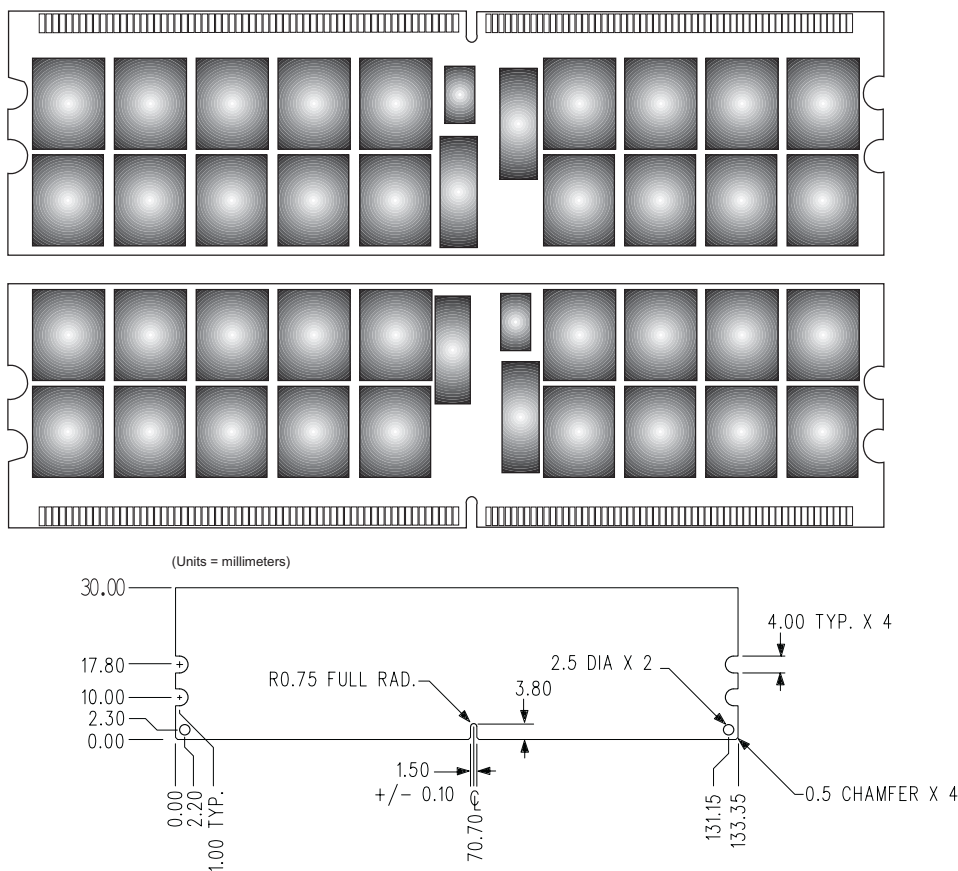


Figure 1: KVR533D2Q8R4/4G 240-Pin DIMM