

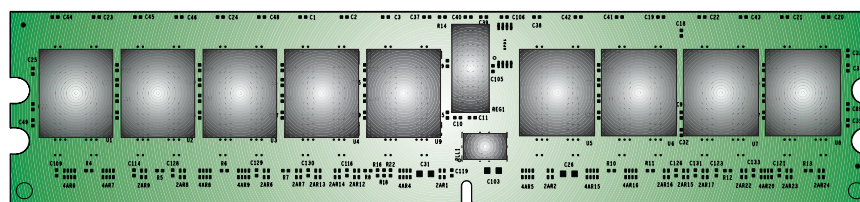
KVR533D2D8R4/2G
2GB 256M x 72-Bit DDR2-533
CL4 Registered 240-Pin ECC DIMM

DESCRIPTION:

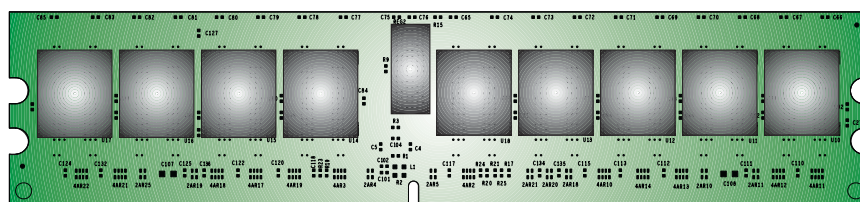
This document describes ValueRAM's 256M x 72-bit 2GB (2048MB) DDR2-533 CL4 SDRAM (Synchronous **DRAM**) dual rank registered ECC memory module. The components on this module include eighteen 128M x 8-bit DDR2-533 SDRAM in FBGA packages. This 240-pin DIMM uses gold contact fingers and requires +1.8V. The electrical and mechanical specifications are as follows:

FEATURES:

- | | | |
|---|---|-------------------------------|
| ✓ | 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 | 1.620 W (operating) |
| ✓ | UL Rating | 94 V - 0 |



COMP SIDE



SOLDER SIDE— MIRRORED

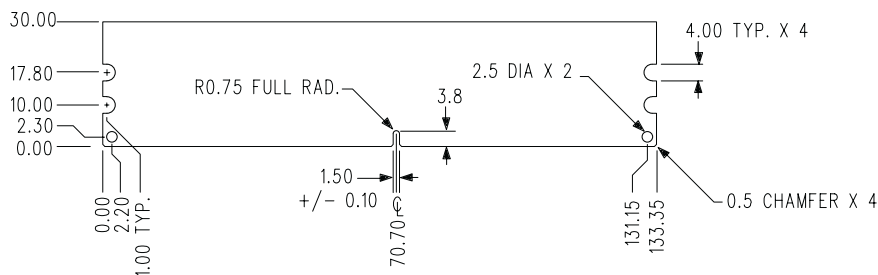


Figure 1: KVR533D2D8R4/2G 240-Pin DIMM