

KVR400D2D8R3/2G

2GB 256M x 72-Bit DDR2-400 CL3

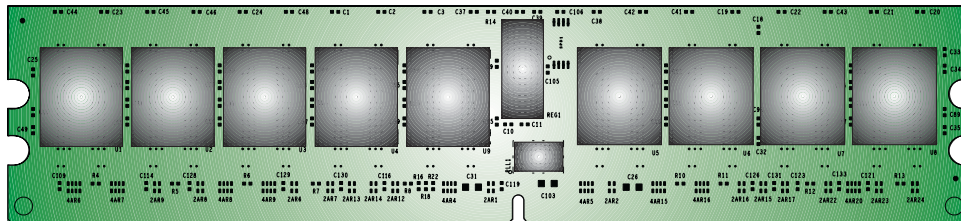
Registered 240-Pin ECC DIMM

DESCRIPTION:

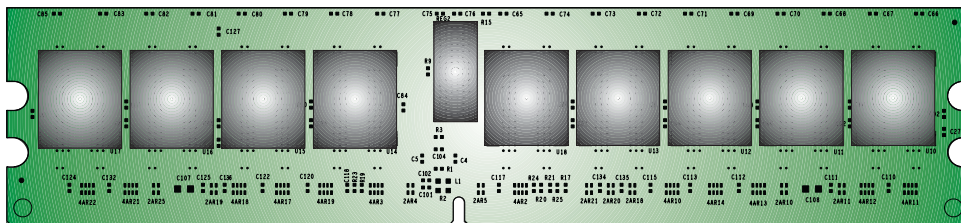
This document describes ValueRAM's 256M x 72-bit 2GB (2048MB) DDR2-400 CL3 SDRAM (Synchronous **DRAM**) "dual rank" registered ECC memory module. The components on this module include eighteen 128M x 8-bit (16M x 8-bit x 8 Bank) DDR2-400 SDRAM in FBGA packages. This 240-pin DIMM uses gold contact fingers and requires +1.8V. The electrical and mechanical specifications are as follows:

FEATURES:

- | | |
|---|-------------------------------|
| ✓ Clock Cycle Time (tCK) CL=3 | 5ns (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 | 3.725 W (operating) |
| ✓ UL Rating | 94 V - 0 |



COMP SIDE



SOLDER SIDE - MIRRORED

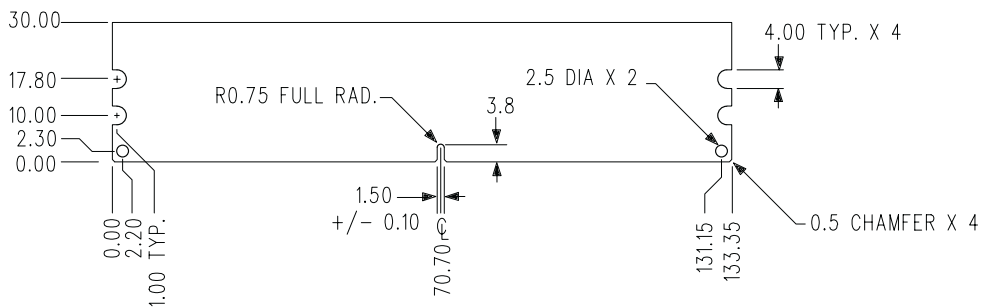


Figure 1: KVR400D2D8R3/2G 240-Pin DIMM