

KVR400D2R3/1G

**1GB 128M x 72-Bit x DDR2-400
CL3 Registered 240-Pin ECC DIMM**

DESCRIPTION:

This document describes ValueRAM's 128M x 72-bit (1GB) DDR2-400 CL3 SDRAM (Synchronous **DRAM**) registered ECC memory module. The components on this module include eighteen 128M x 4-bit (32M x 4-bit x 4 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:

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|---|-------------------------------|
| ☑ 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 | 4.050 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).

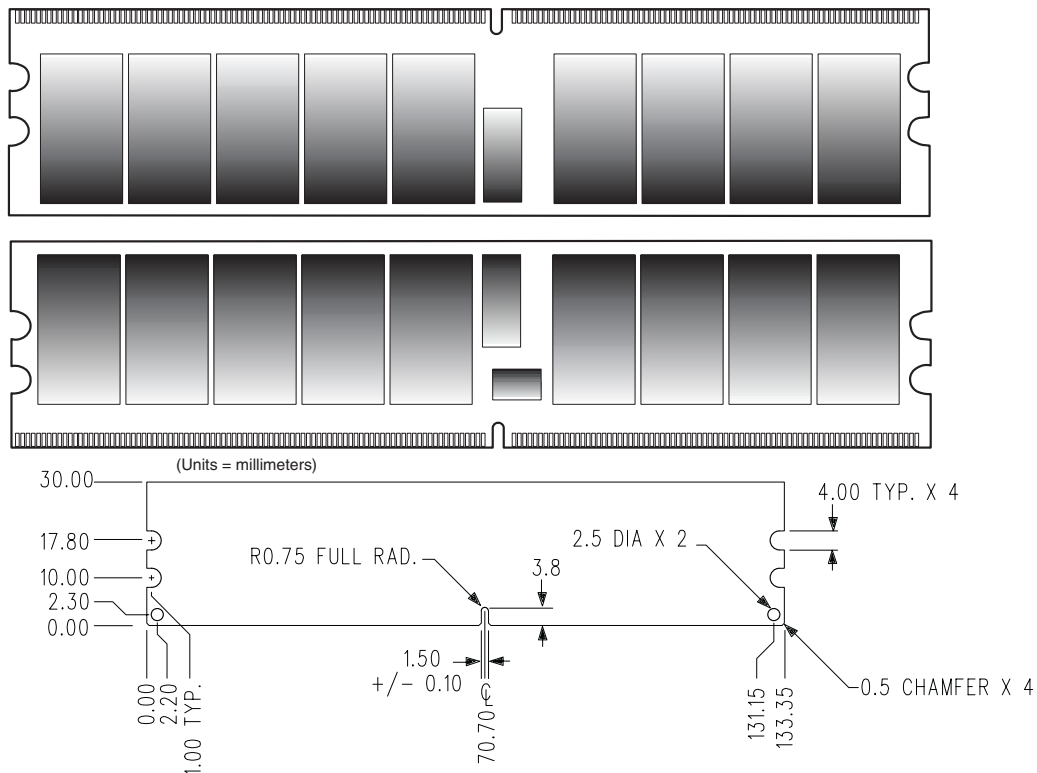


Figure 1: KVR400D2R3/1G 240-Pin DIMM