

## KVR400D2E3/1G

### 1GB 128M x 72-Bit DDR2-400

### CL3 ECC 240-Pin DIMM

#### DESCRIPTION:

This document describes ValueRAM's 128M x 72-bit 1GB (1024MB) DDR2-400 CL3 SDRAM (Synchronous **DRAM**) ECC memory module. The components on this module include nine 128M x 8-bit 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                                         | 1.336 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.

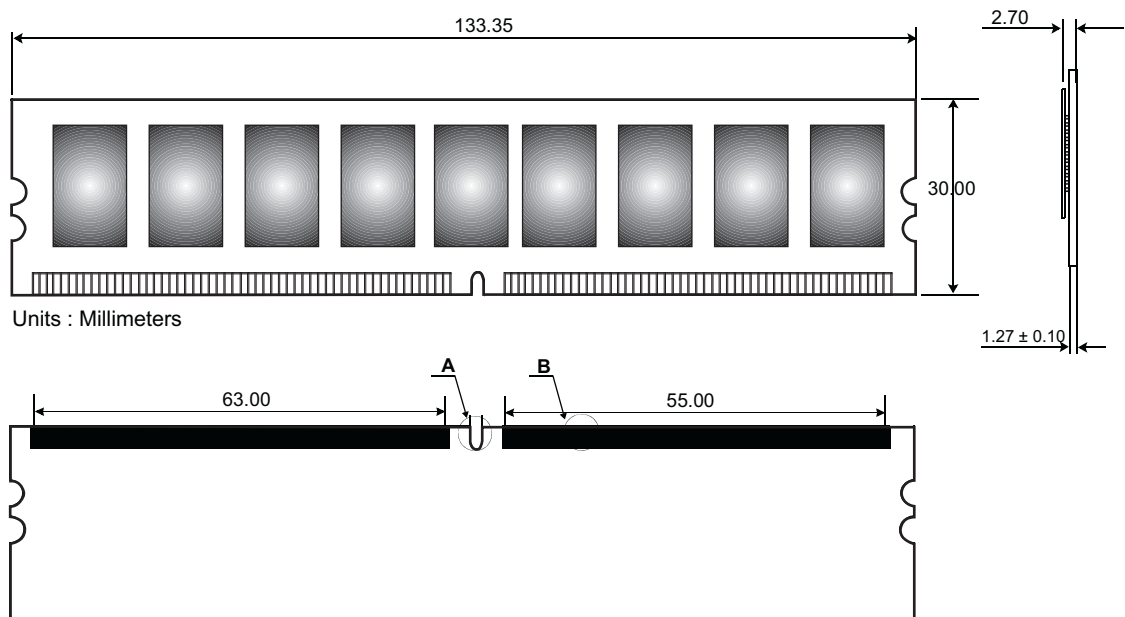


Figure 1: KVR400D2E3/1G 240-Pin DIMM