

**KVR1066D2N7/1G**  
**1GB 128M x 64-Bit DDR2-1066**  
**CL7 240-Pin DIMM**

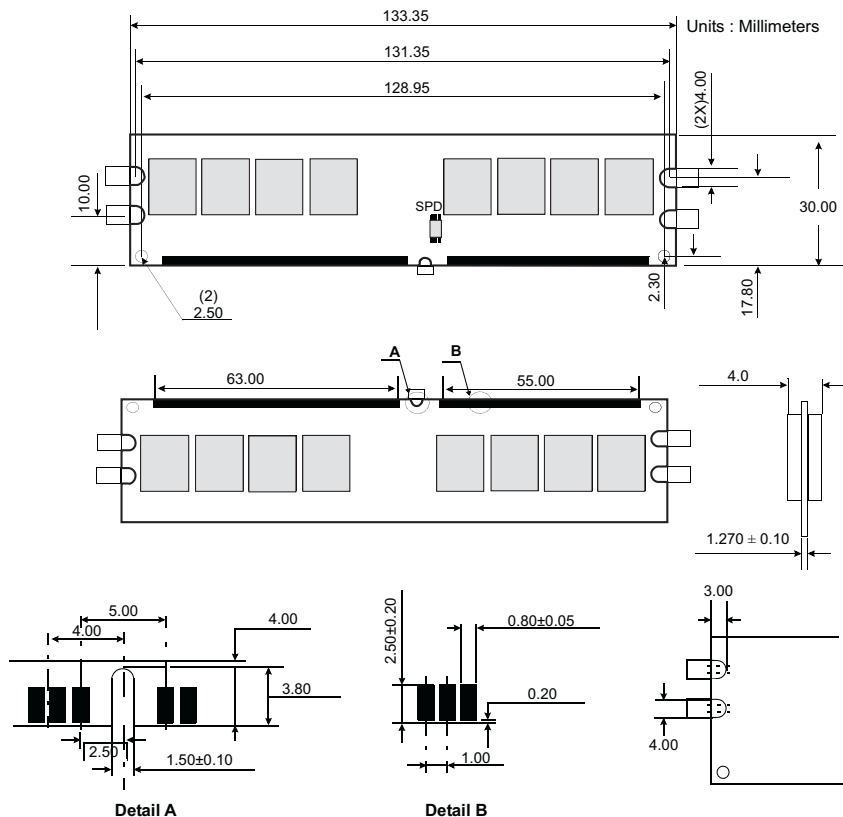
**DESCRIPTION:**

This document describes ValueRAM's 128M x 64-bit 1GB (1024MB) DDR2-1066 CL7 SDRAM (Synchronous **DRAM**) memory module. The components on this module include sixteen 64M x 8-bit DDR2-1066 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=7                   | 1.875ns (min.)                |
| ☑ Row Cycle Time (tRC)                          | 58ns (min.)                   |
| ☑ Refresh to Active/Refresh Command Time (tRFC) | 105ns                         |
| ☑ Row Active Time (tRAS)                        | 45ns (min.) / 70,000ns (max.) |
| ☑ Single Power Supply of                        | +1.8V (+/- .1V)               |
| ☑ Power   | 1.910 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: KVR1066D2N7/1G 240-Pin DIMM*