

## KVR400D2N3K2/512

**512MB (256MB 32M x 64-Bit x 2 pcs.)  
DDR2-400 CL3 240-Pin DIMM Kit**

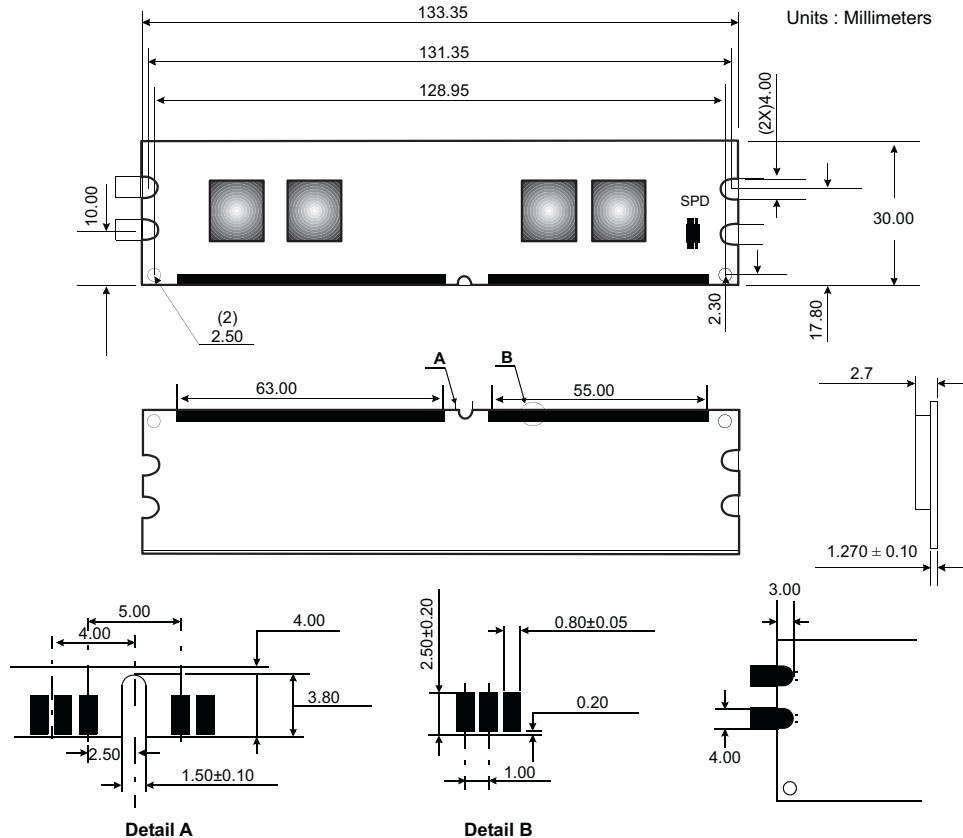
### DESCRIPTION:

ValueRAM's KVR400D2N3K2/512 is a kit of two 32M x 64-bit (256MB) DDR2-400 CL3 SDRAM (Synchronous **DRAM**) memory modules. Total kit capacity is 512MB. The components on each module include four 32M x 16-bit (8M x 16-bit x 4 Bank) DDR2-400 SDRAM in FBGA packages. Each 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) | 75ns                           |
| ✓ Row Active Time (tRAS)                        | 40ns (min.) / 70,000ns (max.)  |
| ✓ Single Power Supply of                        | +1.8V (+/- .1V)                |
| ✓ Power   | 0.828 W (operating per module) |
| ✓ 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: KVR400D2N3K2/512 240-Pin DIMM**