

## KVR400D2E3K2/1G

**1GB (512MB 64M x 72-Bit x 2 pcs.)  
DDR-400 CL3 ECC 240-Pin DIMM Kit**

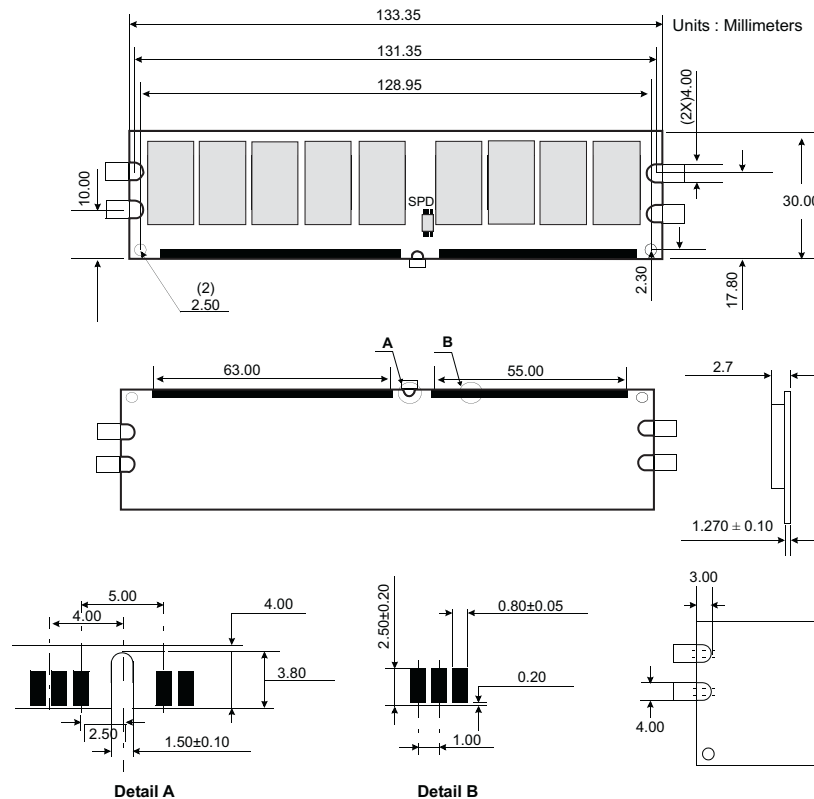
### DESCRIPTION:

ValueRAM's KVR400D2E3K2/1G is a kit of two 64M x 72-bit (512MB) DDR2-400 CL3 SDRAM (Synchronous **DRAM**) ECC memory modules. Total kit capacity is 1GB (1024MB). The components on each module include nine 64M x 8-bit (16M x 8-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)	105ns
☑ Row Active Time (tRAS)	40ns (min.) / 70,000ns (max.)
☑ Single Power Supply of	+1.8V (+/- .1V)
☑ Power	1.825 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: KVR400D2E3K2/1G 240-Pin DIMM**