

## KVR400D2S8R3K2/1G

**1GB (512MB 64M x 72-Bit x 2 pcs.) DDR2-400  
CL3 Registered 240-Pin ECC DIMM Kit**

### DESCRIPTION:

ValueRAM's KVR400D2S8R3K2/1G is a kit of two 64M x 72-bit (512MB) DDR2-400 CL3 SDRAM (Synchronous **DRAM**) "single rank" registered ECC "Intel® Certified" 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                                         | 2.277 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).

