# KVR533D2E4K2/2G

2GB (1GB 128M x 72-Bit x 2 pcs.)
DDR2-533 CL4 ECC 240-Pin DIMM Kit

## DESCRIPTION

ValueRAM's KVR533D2E4K2/2G is a kit of two 128M x 72-bit (1GB) DDR2-533 CL4 SDRAM (Synchronous DRAM) ECC memory modules. Total kit capacity is 2GB. The components on each module include nine 128M x 8-bit DDR2-533 SDRAM in FBGA packages. Each 240-pin DIMM uses gold contact fingers and requires +1.8V. The electrical and mechanical specifications are as follows:

## SPECIFICATIONS

| | |
|---|---|
| Clock Cycle Time (tCK) CL=4 | 3.75ns (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 | 1.270 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: KVR533D2E4K2/2G 240-Pin DIMM Kit

