

KVR533D2E4K2/512

**512MB (256MB 32M x 72-Bit x 2 pcs.)
DDR2-533 CL4 ECC 240-Pin DIMM Kit**

DESCRIPTION:

ValueRAM's KVR533D2E4K2/512 is a kit of two 32M x 72-bit (256MB) CL4 DDR2-533 SDRAM (Synchronous **DRAM**) ECC memory modules. Total kit capacity is 512MB. The components on each module include nine 32M x 8-bit (8M x 8-bit x 4 Bank) 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:

FEATURES:

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|---|-------------------------------|
| ✓ Clock Cycle Time (tCK) CL=4 | 3.75ns (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 (IDD0) | 1.620 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).

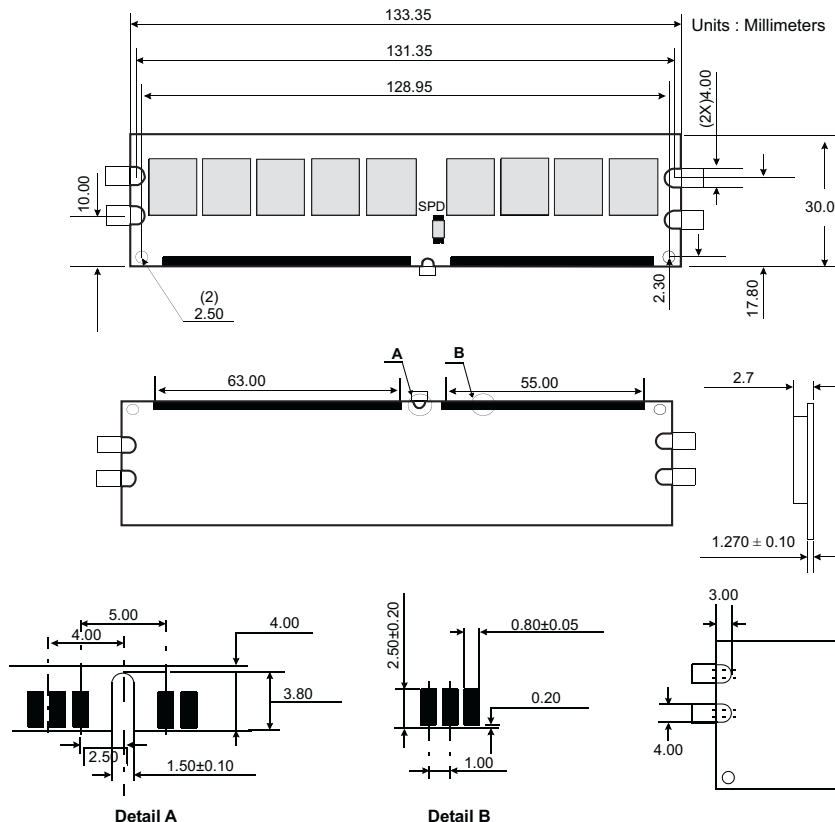


Figure 1: KVR533D2E4K2/512 240-Pin DIMM Kit