

KVR533D2D8R4K2/2G

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

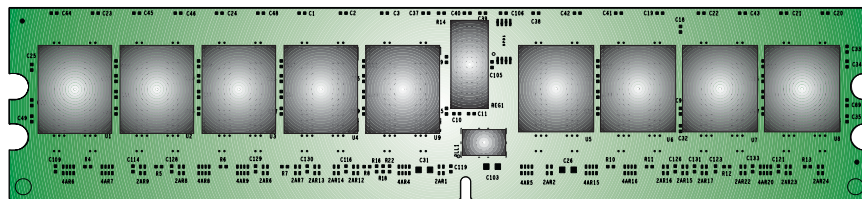
DESCRIPTION:

Kingston's KVR533D2D8R4K2/2G is a kit of two 128M x 72-bit (1GB) DDR2-533 CL4 SDRAM (Synchronous **DRAM**) dual rank registered ECC memory modules. Total kit capacity is 2GB (2048MB). The components on each module include eighteen 64M x 8-bit (16M 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:

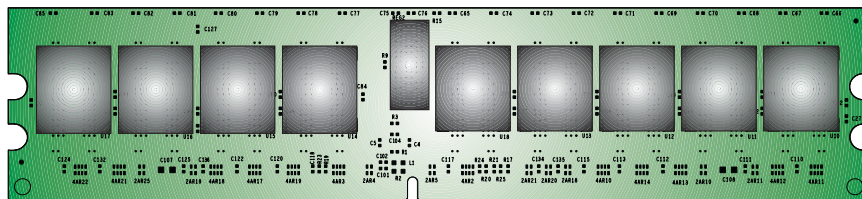
FEATURES:

- | | |
|---|--------------------------------|
| ✓ Clock Cycle Time (tCK) CL=4 | 3.75ns (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 | 2.745 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 module height may vary from what is described here. However, in no configuration will the module height exceed 1.250" (31.75mm).



COMP SIDE



SOLDER SIDE - MIRRORED

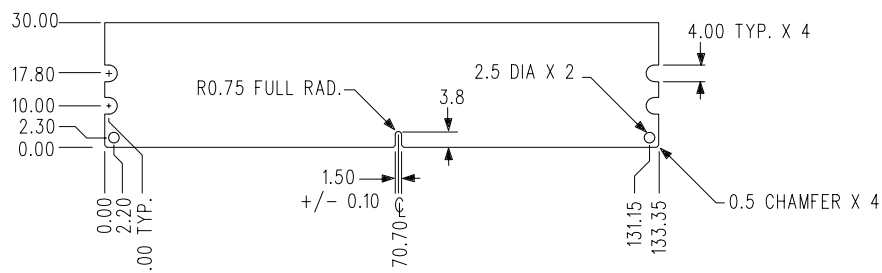


Figure 1: KVR533D2D8R4K2/2G 240-Pin DIMM