

KVR533D2D8R4/1G
1GB 128M x 72-Bit DDR2-533
CL4 Registered 240-Pin ECC DIMM

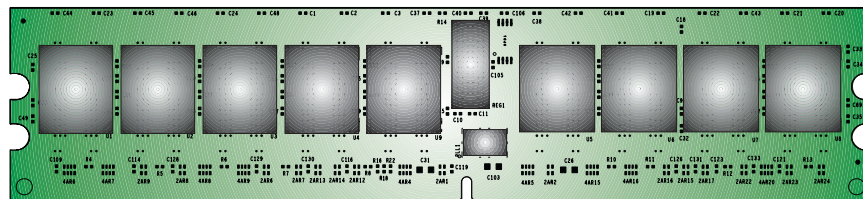
DESCRIPTION:

This document describes Kingston's 128M x 72-bit (1GB) DDR2-533 CL4 SDRAM (Synchronous **DRAM**) dual rank registered ECC memory module. The components on this module include eighteen 64M x 8-bit (16M x 8-bit x 4 Bank) DDR2-533 SDRAM in FBGA packages. This 240-pin DIMM uses gold contact fingers and requires +1.8V. The electrical and mechanical specifications are as follows:

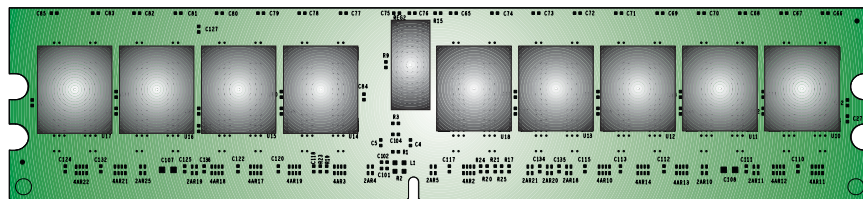
FEATURES:

- | | | |
|---|---|-------------------------------|
| ✓ | 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) |
| ✓ | 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).



COMP SIDE



SOLDER SIDE- MIRRORED

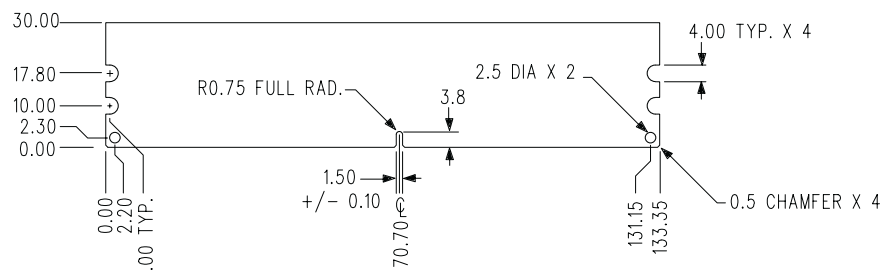


Figure 1: KVR533D2D8R4/1G 240-Pin DIMM