KVR400D4R3A/1G
1GB 128M x 72-Bit DR400 CL3
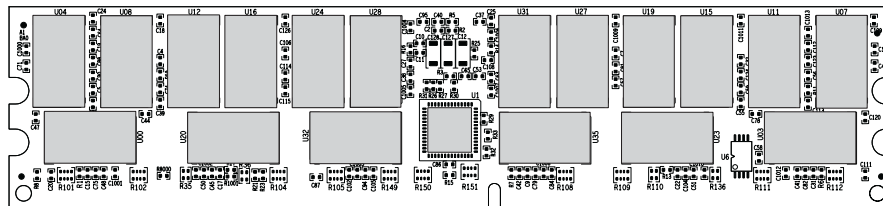## *Registered 184-Pin ECC DIMM Kit*

DESCRIPTION:

This document describes Kingston's 128M x 72-bit 1GB (1024MB) DDR400 CL3 SDRAM (Synchronous DRAM) "dual rank" Registered ECC memory module. The components on this module include thirty-six 64M x 4-bit (16M x 4-Bit x 4 bank) DDR400 SDRAM in FBGA packages. This 184-pin DIMM uses gold contact fingers and requires +2.6V. The electrical and mechanical specifications are as follows:
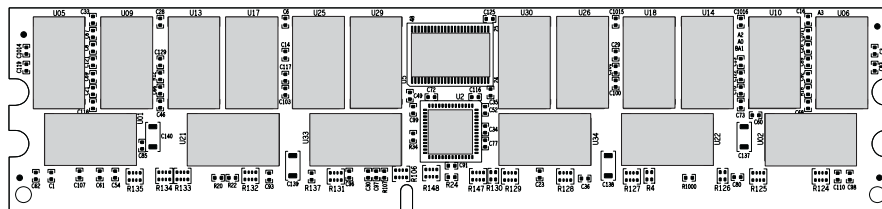
FEATURES:

- ☑ Clock Cycle Time (tCK)   5ns (min.) / 10ns (max.)
- ☑ Row Cycle Time (tRC)   55ns (min.)
- ☑ Refresh Row Cycle Time (tRFC) 70ns (min.)
- ☑ Row Active Time (tRAS)   40ns (min.) / 70,000ns (max.)
- ☑ Single Power Supply of   +2.6V (+/- .1V)
- ☑ Power   8.700 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 1.200" (30.48mm).
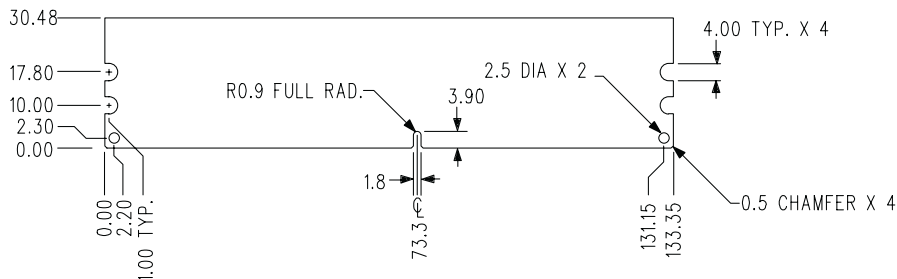

Figure 1: KVR400D4R3A/1G 184-Pin DIMM