

## KVR400S4R3A/1G

### 1GB 128M x 72-Bit DDR400

### CL3 Registered 184-Pin ECC DIMM

#### DESCRIPTION:

This document describes ValueRAM's 128M x 72-bit 1GB (1024MB) DDR400 CL3 SDRAM (Synchronous DRAM) Registered ECC memory module. The components on this module include eighteen 128M x 4-bit (32M 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	9.672 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).

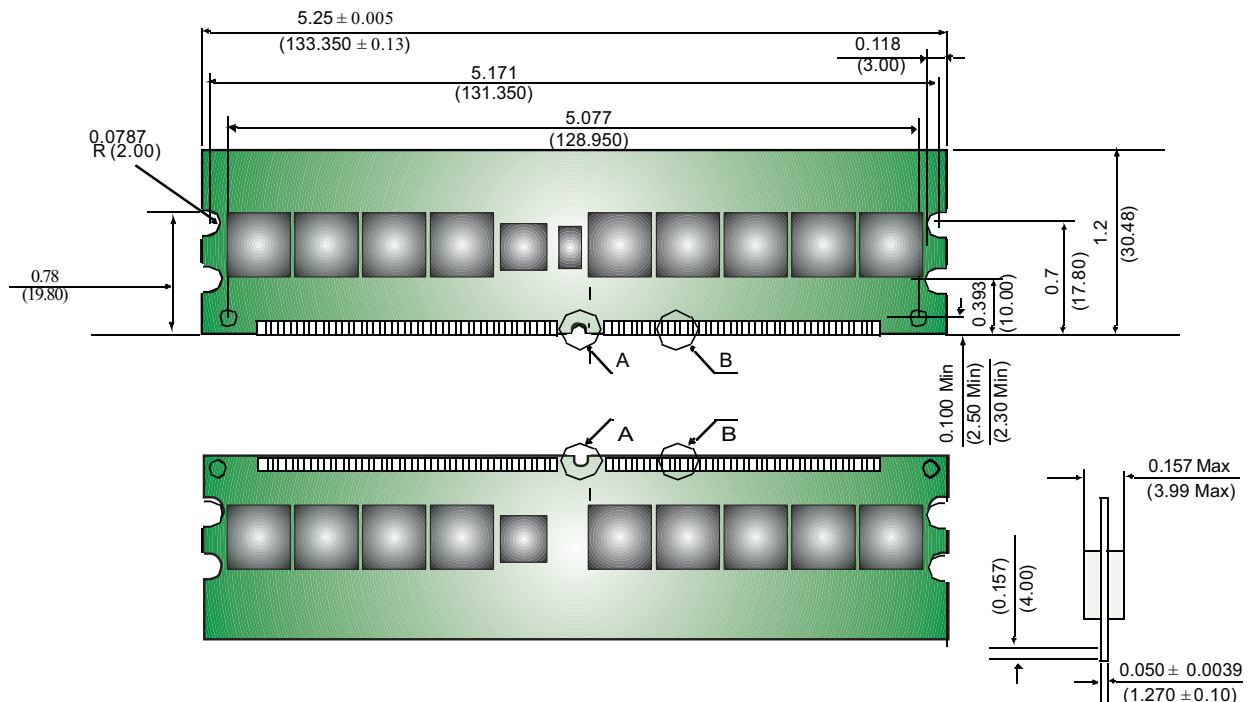


Figure 1: KVR400S4R3A/1G 184-Pin DIMM