

## KVR400X72RC3A/512

### 512MB 64M x 72-Bit DDR400 Registered CL3 ECC 184-Pin DIMM

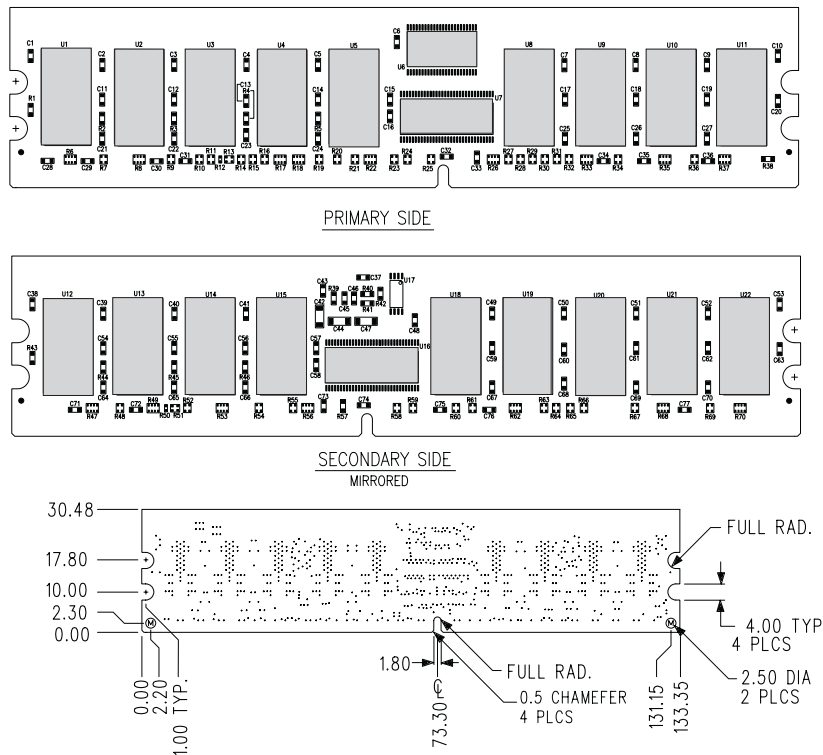
#### DESCRIPTION:

This document describes ValueRAM's 64M x 72-bit (512MB) DDR400 CL3 SDRAM (Synchronous DRAM) Registered ECC memory module. The components on this module include eighteen 64M x 4-bit (16M x 4-Bit x 4 bank) DDR400 SDRAM in FBGA packages and three 16-bit drivers in TSSOP 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 (IDD0) 6.162 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: KVR400X72RC3A/512 184-Pin DIMM**