

## KVR400D2R3K2/512

**512MB (256MB 32M x 72-Bit x Pcs.) DDR2-400**  
**CL3 Registered 240-Pin ECC DIMM**

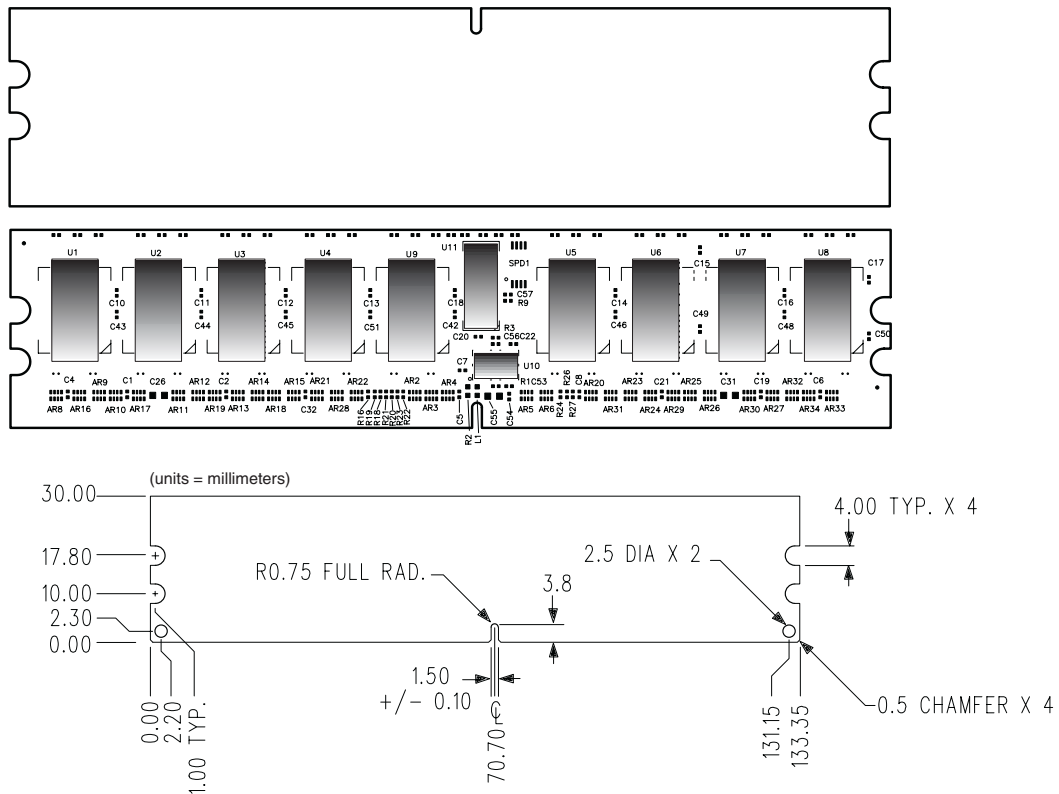
### DESCRIPTION:

ValueRAM's KVR400D2R3K2/512 is a kit of two 32M x 72-bit (256MB) DDR2-400 CL3 SDRAM (Synchronous **DRAM**) registered ECC memory modules. Total kit capacity is 512MB. The components on each module include nine 32M x 8-bit (8M x 8-bit x 4 Bank) DDR2-400 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=3	5ns (min.) / 8ns (max.)
✓ Row Cycle Time (tRC)	55ns (min.)
✓ Refresh to Active/Refresh Command Time (tRFC)	75ns
✓ Row Active Time (tRAS)	40ns (min.) / 70,000ns (max.)
✓ Single Power Supply of	+1.8V (+/- .1V)
✓ Power	2.100 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 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).



**Figure 1: KVR400D2R3K2/512 240-Pin DIMM**