

# Memory Module Specifications

## KVR400D2D8R3K2/4G

4GB (2GB 256M x 72-Bit x 2 pcs.) DDR2-400

CL3 Registered 240-Pin ECC DIMM Kit

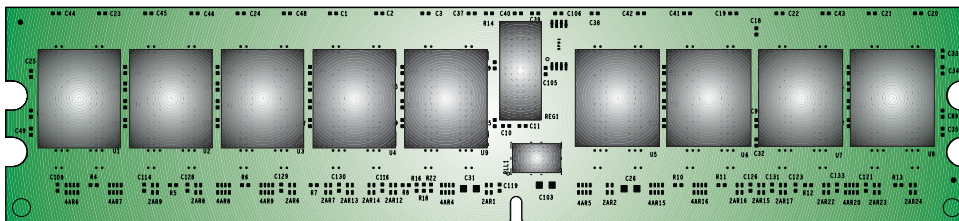
### DESCRIPTION

ValueRAM's KVR400D2D8R3K2/4G is a kit of two 256M x 72-bit 2GB (2048MB) DDR2-400 CL3 SDRAM (Synchronous DRAM) "dual rank" registered ECC memory modules. Total kit capacity is 4GB (4096MB). The components on each module include eighteen 128M x 8-bit (16M x 8-bit x 8 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:

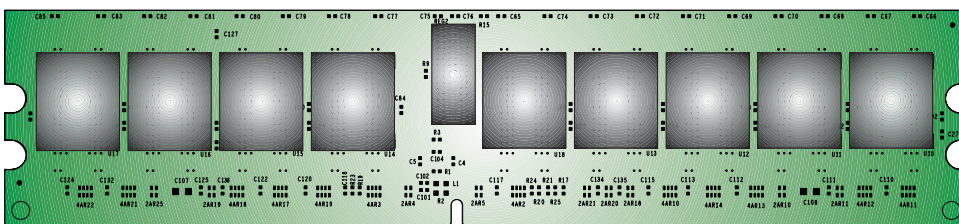
### SPECIFICATIONS

Clock Cycle Time (tCK) CL=3	5ns (min.) / 8ns (max.)
Row Cycle Time (tRC)	55ns (min.)
Refresh to Active/Refresh Command Time (tRFC)	127.5ns
Row Active Time (tRAS)	40ns (min.) / 70,000ns (max.)
Single Power Supply of	+1.8V (+/- .1V)
Power	3.725 W (operating per module)
UL Rating	94 V - 0

Figure 1: KVR400D2D8R3K2/4G 240-Pin DIMM



COMP SIDE



SOLDER SIDE - MIRRORED

