

Memory Module Specifications

KVR800D2D4P6/4G

4GB 512M x 72-Bit DDR2-800

CL6 Registered w/Parity 240-Pin DIMM

DESCRIPTION

This document describes ValueRAM's 512M x 72-bit 4GB (4096MB) DDR2-800 CL6 SDRAM (Synchronous DRAM) "dual rank" Registered w/Parity memory module. The components on this module include thirty-six 256M x 4-bit DDR2-800 SDRAM in FBGA packages. This 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=6	2.5ns (min.) / 8ns (max.)
Row Cycle Time (tRC)	60ns (min.)
Refresh to Active/Refresh Command Time (tRFC)	127.5ns
Row Active Time (tRAS)	45ns (min.) / 70,000ns (max.)
Single Power Supply of	+1.8V (+/- .1V)
Power	5.400 W (operating)
UL Rating	94 V - 0

Figure 1: KVR800D2D4P6/4G 240-Pin DIMM

