

Memory Module Specifications

KVR533D2S8R4/1G

1GB 128M x 72-Bit DDR2-533

CL4 Registered 240-Pin ECC DIMM

DESCRIPTION

This document describes ValueRAM's 128M x 72-bit 1GB (1024MB) DDR2-533 CL4 SDRAM (Synchronous DRAM) "single rank" registered ECC memory module. The components on this module include nine 128M x 8-bit DDR2-533 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=4	3.75ns (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	1.296 W (operating)
UL Rating	94 V - 0

Figure 1: KVR533D2S8R4/1G 240-Pin DIMM

