

## KVR100X64C2L/128 100MHz SDRAM 168-Pin Low Profile PC100 DIMM Memory Module

### DESCRIPTION:

This document describes ValueRAM's 16M x 64-bit (128MB), CAS Latency 2 (CL2) SDRAM (Synchronous DRAM) 100MHz low profile memory module. The components on this module include eight 8M x 16-bit (2M x 16-bit x 4 Bank / PC100 components) SDRAM in TSOP packages. This 168-pin DIMM uses gold contact fingers and requires +3.3V. The electrical and mechanical specifications are as follows:

### FEATURES:

- |                          |                                               |
|--------------------------|-----------------------------------------------|
| ☑ CLK Cycle Time (tCC)   | min. = 10ns (CAS Latency = 2) / max. = 1000ns |
| ☑ Row Cycle Time (tRC)   | 70ns                                          |
| ☑ CLK to Output (tSAC)   | max. = 6ns (CAS Latency = 2)                  |
| ☑ Single Power Supply of | +3.3V (+/- .3V)                               |
| ☑ Power                  | 2.244 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 1.2" (30.48mm).

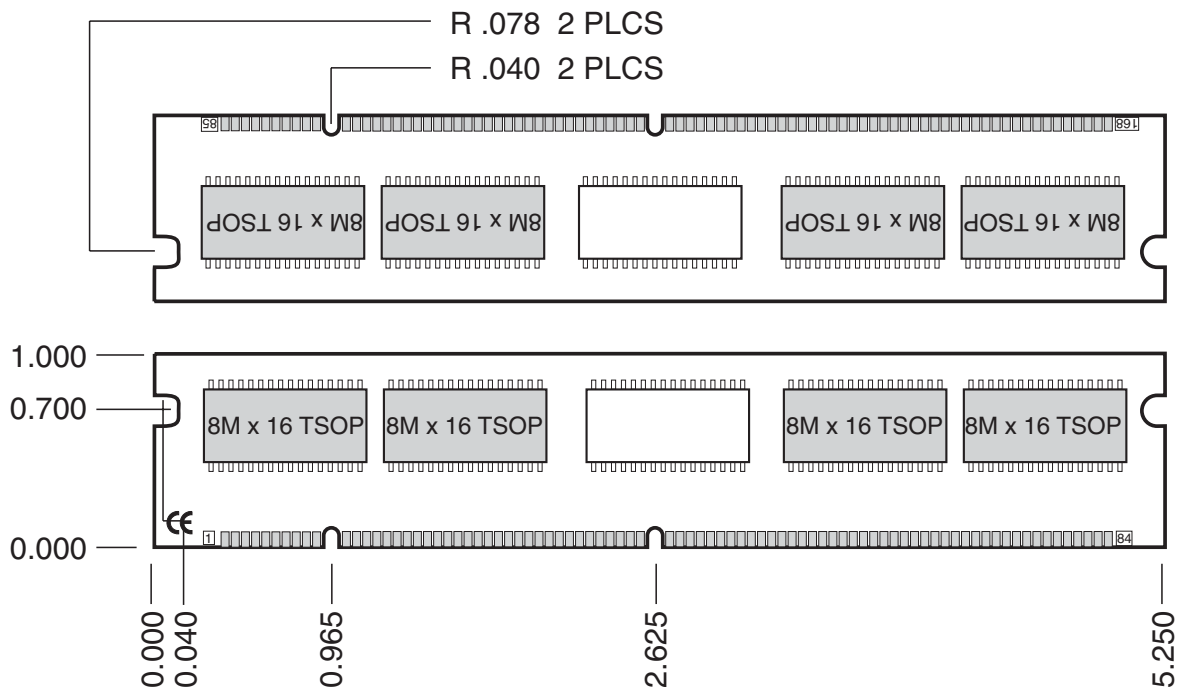


Figure 1: KVR100X64C2L/128 168-Pin SDRAM Module