

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

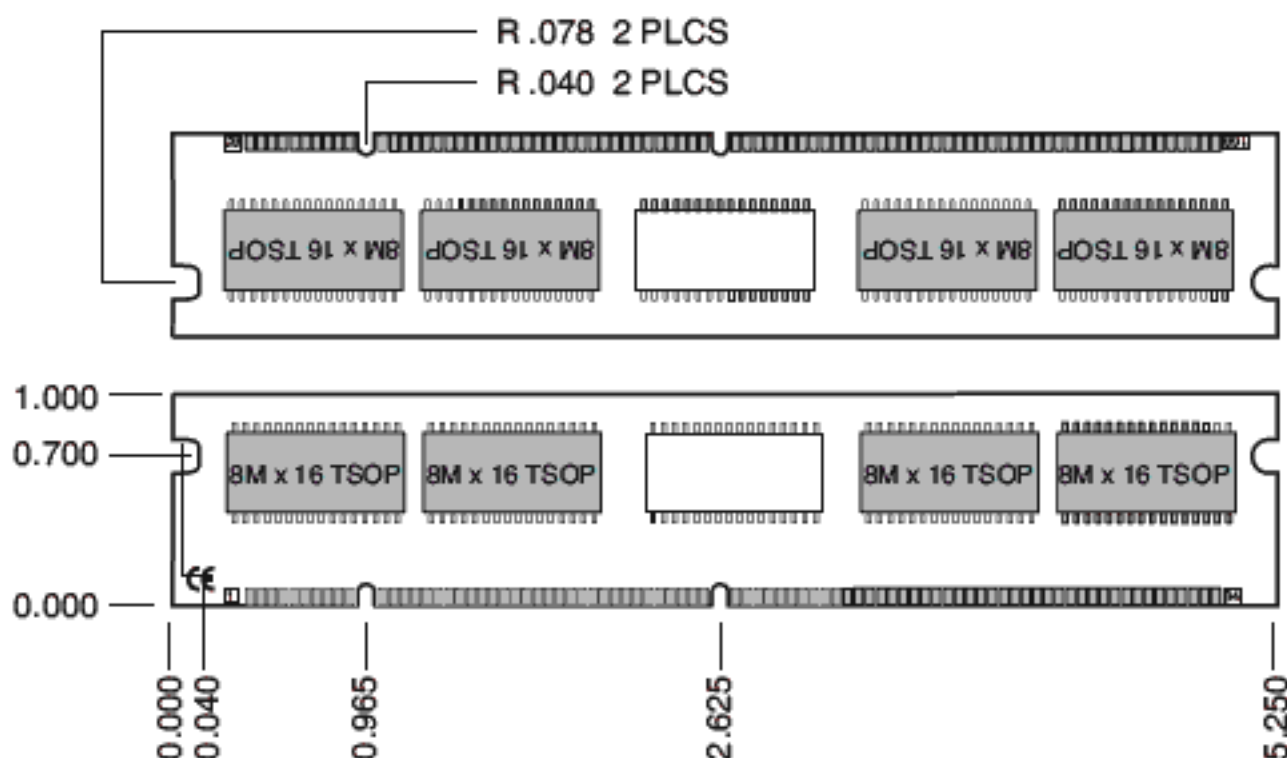
**DESCRIPTION:**

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*