

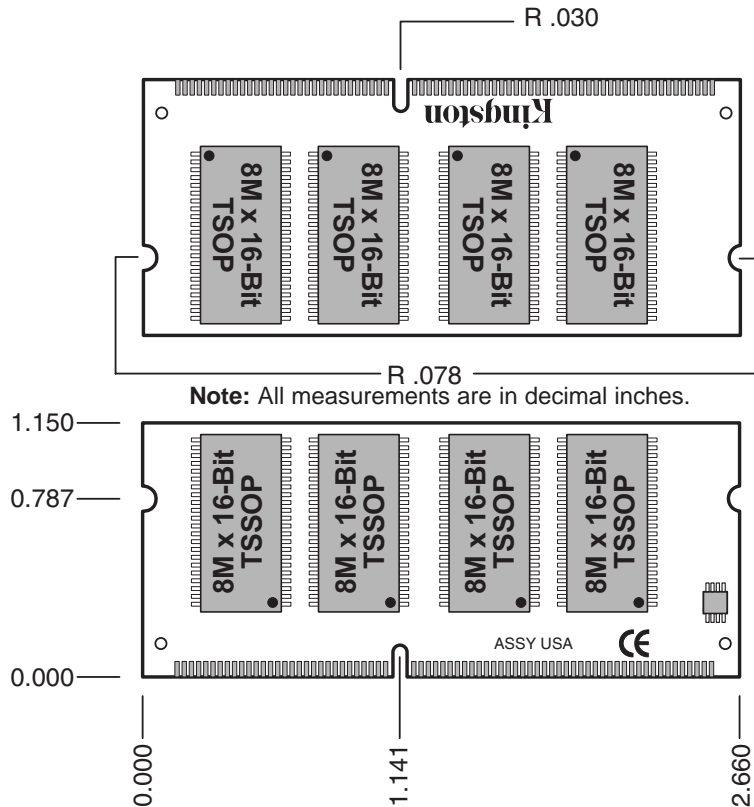
**KVR66X64SO/128**  
**66MHz SDRAM 144-Pin**  
**Small Outline DIMM Memory Module**

**DESCRIPTION:**

This document describes ValueRAM's 16M x 64-bit (128MB) SDRAM (Synchronous DRAM) memory module. The components on this module include eight 8M x 16-bit (2M x 16-bit x 4 Bank / PC66 components) 4K Refresh SDRAM in TSOP packages. This 144-pin Small Outline 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 = 3) / max. = 1000ns  
min. = 13ns (CAS Latency = 2) / max. = 1000ns
- ✓ Row Cycle Time (tRC) 80ns
- ✓ CLK to Output (tSAC) max. = 7ns (CAS Latency = 3)  
max. = 7ns (CAS Latency = 2)
- ✓ Single Power Supply of +3.3V (+/- .3V)
- ✓ Power 1.782 W (operating)
- ✓ UL Rating 94 V - 0



*Figure 1: KVR66X64SO/128 128MB 144-Pin SDRAM Module*