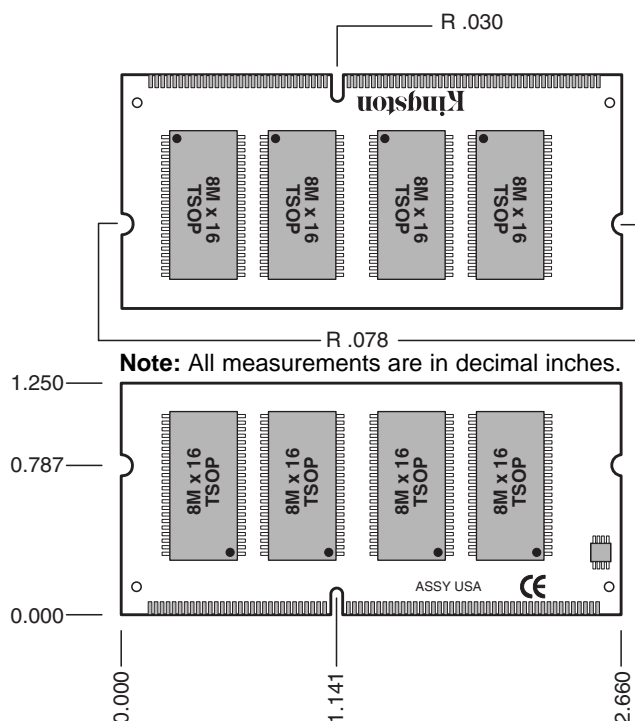# KVR100X64SC3/128
100MHz SDRAM 144-Pin
SODIMM Memory Module

DESCRIPTION:

This document describes ValueRAM's CL3 16M x 64-bit (128MB) SDRAM (Synchronous DRAM) PC100 Small Outline DIMM memory module. The components on this module include eight 8M x 16-bit (2M x 16-bit x 4 Bank / PC100 components) 4K Refresh SDRAM in TSOP packages. This 144-pin SODIMM 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
☑	Row Cycle Time (tRC)	70ns
☑	CLK to Output (tSAC)	max. = 6ns (CAS Latency = 3)
☑	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 1.250" (31.75mm).

Note: All measurements are in decimal inches.

Figure 1: KVR100X64SC3/128 128MB 144-Pin SDRAM Module