

# SAP-512M/M8631G/A

SDRAM 144-Pin CL3  
SODIMM MEMORY MODULE



## MEMORY MODULE SPECIFICATION

This document describes SAP-512M/M8631G/A CL3 64M x 64-Bit (512MB) SDRAM (Synchronous DRAM) Small Outline DIMM memory module. Total kit capacity is 512MB. The components on each module include sixteen 32M x 8-bit (8M x 8-bit x 4 bank) 8K Refresh SDRAM in CSP 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 ( $t_{CC}$ ) min. = 7.5ns (CAS Latency = 3) / max. = 1000ns
- ★ Row Cycle Time ( $t_{RC}$ ) 65ns
- ★ CLK to Output ( $t_{SAC}$ ) max. = 5.4ns (CAS Latency = 3)
- ★ Single Power Supply of +3.3V (+/- .3V)
- ★ Power 2.921W (operating)
- ★ UL Rating 94 V - 0

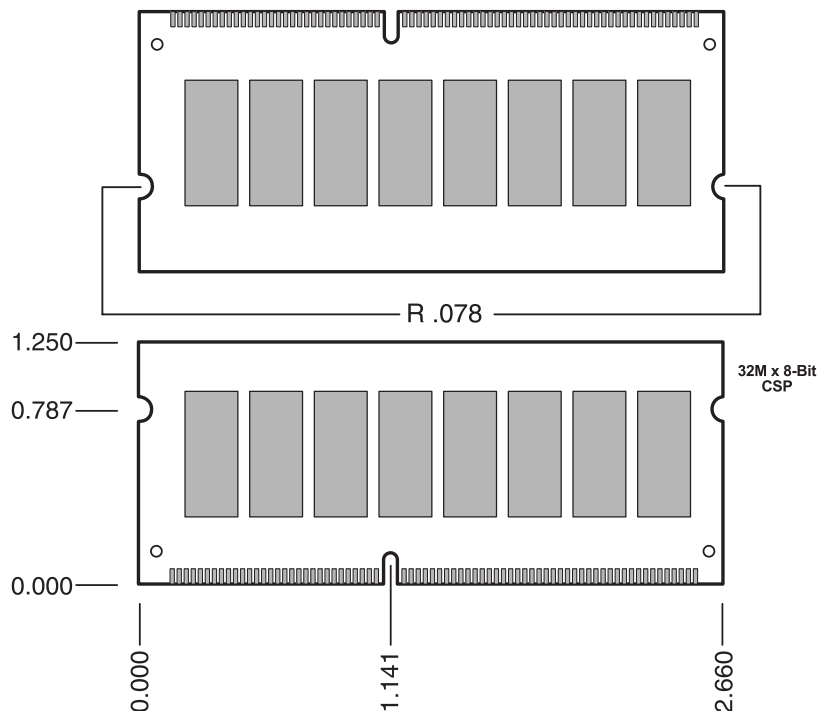


Figure: **SAP-512M/M8631G/A**

**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).