

## EEPROM Serial-SPI 512K-bit 64K x 8 2.5V/3.3V/5V 8-Pin SOIC N Tube



Images are for reference only

[Inquiry](#)

**Manufacturer:** [Microchip Technology, Inc](#)

**Package/Case:** SOP8

**Product Type:** Memory

**RoHS:** RoHS Compliant/Lead free 

**Lifecycle:** Active

### General Description

The Microchip AT25512 is a 512 Kb Serial EEPROM utilizing the industry standard Serial Peripheral Interface (SPI) compatible serial bus. The device is organized as one block of 64K x 8-bit and is optimized for use in consumer electronics, industrial, medical, and automotive applications where reliable and dependable nonvolatile memory storage is essential. Software write protection allows the user to protect 1/4, 1/2, or the entire memory array. A hardware write protect pin is also provided, which additionally protects against inadvertent writes to the status register. The EEPROM is available in a variety of space-saving packaging options.

### Key Features

Serial peripheral interface (SPI) compatible

Supports SPI modes 0 (0, 0) and 3 (1, 1)

20MHz Clock rate (4.5 to 5.5V)

Block write protection - Protect 1/4, 1/2 or entire array

Self-timed write cycle (5ms maximum)

High reliability - 1,000,000 write cycles endurance

Halogen-free

### Recommended For You

#### AT93C46E-PU

Microchip Technology, Inc

DIP8

#### AT93C46D-PU

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DIP8

#### AT24C64D-SSHM-T

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**AT24C128C-MAHMT**

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UDFN-8

**AT93C66B-XHM-T**

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**AT25256B-SSHL-T**

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**AT24C08C-SSHM-T**

Microchip Technology, Inc  
SOP8

**AT24C04C-PUM**

Microchip Technology, Inc  
DIP8

**AT24C256C-SSHL-T**

Microchip Technology, Inc  
SOP8

**AT24C02C-XHM-T**

Microchip Technology, Inc  
TSSOP8

**AT24C02C-XHM-B**

Microchip Technology, Inc  
TSSOP8

**AT24C32D-SSHM-T**

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SOP8

**AT24C02C-SSHM-T**

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**AT24C16C-SSHM-B**

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**AT93C56B-SSHM-T**

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