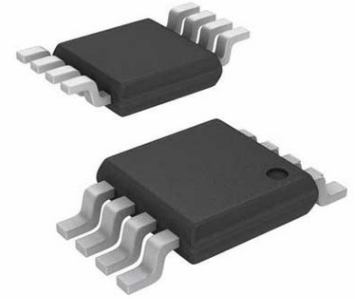


EEPROM Serial-SPI 512K-bit 64K x 8 2.5V/3.3V/5V 8-Pin TSSOP T/R



Images are for reference only

[Inquiry](#)

Manufacturer: [Microchip Technology, Inc](#)

Package/Case: TSSOP-8

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

64K x 8-bit (512 Kbit)

Supports SPI modes 0 and 3

Up to 20 MHz clock frequency

Self-Timed Erase and Write Cycles (5 ms max.)

Read current: 10 mA (Max) at 20 MHz

Write current: 7 mA (Max) at 10 MHz

Standby current: 3 μ A (Max) at 1.8V, 5 μ A (Max) at 5 V

Block Write Protection: Protect 1/4, 1/2 or Entire Array

More than 1 million erase/write cycles

Data retention 100 years

Industrial: -40°C to 85°C

Factory Programming Available

Available in standard packages including 8-lead SOIC, and advanced packages including 8-lead TSSOP and 8-lead 5x6 DFN

Recommended For You

AT93C46E-PU

Microchip Technology, Inc

DIP8

AT93C46D-PU

Microchip Technology, Inc

DIP8

AT24C64D-SSHMT

Microchip Technology, Inc

SOP8

AT24C128C-MAHMT

Microchip Technology, Inc

UDFN-8

AT93C66B-XHMT

Microchip Technology, Inc

TSSOP8

AT25256B-SSHL-T

Microchip Technology, Inc

SOP8

AT24C08C-SSHMT

Microchip Technology, Inc

SOP8

AT24C04C-PUM

Microchip Technology, Inc

DIP8

AT24C256C-SSHL-T

Microchip Technology, Inc

SOP8

AT24C02C-XHMT

Microchip Technology, Inc

TSSOP8

AT24C02C-XHM-B

Microchip Technology, Inc

TSSOP8

AT24C32D-SSHMT

Microchip Technology, Inc

SOP8

AT24C02C-SSHMT

Microchip Technology, Inc

SOP8

AT24C16C-SSHMT-B

Microchip Technology, Inc

SOP-8

AT93C56B-SSHMT

Microchip Technology, Inc

SOP8