

EEPROM Serial-SPI 256K-bit 32K 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 25AA256 is a 256 Kb Serial EEPROM utilizing the industry standard Serial Peripheral Interface (SPI) compatible serial bus. The device is organized as one block of 32,768 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

Low-power CMOS technology

32768 x 8-bit Organization

64-byte Page

Self-timed erase and write cycles (5ms maximum)

Block write protection - Protect none, 1/4, 1/2 or all of array

Built-in write protection - Power-on/off data protection circuitry

Sequential read

1000000 erase/write cycles endurance

>200-year Data retention

>4000V ESD protection

Recommended For You

SST25VF080B-50-4C-S2AF

Microchip Technology, Inc
SOP8

AT25256B-SSHL-T

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AT24C256C-SSHL-T

Microchip Technology, Inc
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AT25040B-SSHL-B

Microchip Technology, Inc
SOP-8

AT25128B-SSPDGV-T

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23K256-I/SN

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AT27C256R-70JU

Microchip Technology, Inc
PLCC32

25AA1024-I/SM

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AT25320B-SSHL-T

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25AA1024T-I/MF

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DFN-8

AT25512N-SH-T

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25LC1024-I/SM

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25AA256T-I/SN

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25LC640A-I/SN

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AT25640B-SSHL-T

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