

## EEPROM Serial-SPI 256K-bit 32K x 8 3.3V/5V 8-Pin SOIC N

### Tube



Images are for reference only

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

**Package/Case:** SOP8

**Product Type:** Memory

**RoHS:** RoHS Compliant/Lead free 

**Lifecycle:** Active

[Inquiry](#)

### General Description

The Microchip 25LC256 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 ¼, ½, 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

Maximum clock speed is 10MHz

Supply voltage range from 2.5V to 5.5V

Low power CMOS technology

32768 x 8bit organization

Self timed erase and write cycles (5ms maximum)

Built-in write protection

High reliability

Operating temperature range -40°C to 85°C

64byte page write capability

Maximum write current is 5mA at 5.5V and 10MHz

### Recommended For You

**SST25VF080B-50-4C-S2AF**

Microchip Technology, Inc  
SOP8

**AT25256B-SSHL-T**

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**AT24C256C-SSHL-T**

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SOP8

**AT25040B-SSHL-B**

Microchip Technology, Inc  
SOP-8

**AT25128B-SSPDGV-T**

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**23K256-I/SN**

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SOP8

**AT27C256R-70JU**

Microchip Technology, Inc  
PLCC32

**25AA1024-I/SM**

Microchip Technology, Inc  
SOP8

**AT25320B-SSHL-T**

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SOP8

**25AA1024T-I/MF**

Microchip Technology, Inc  
DFN-8

**AT25512N-SH-T**

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SOP8

**25LC1024-I/SM**

Microchip Technology, Inc  
SOP8

**25AA256T-I/SN**

Microchip Technology, Inc  
SOP8

**25LC640A-I/SN**

Microchip Technology, Inc  
SOP8

**AT25640B-SSHL-T**

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