

## EEPROM Serial-SPI 1M-bit 128K x 8 3.3V/5V Automotive 8-Pin SOIJ 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 25LC1024 is a 1 Mb Serial EEPROM utilizing the industry standard Serial Peripheral Interface (SPI) compatible serial bus. The device is organized as one block of 128K 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

256-byte page

6ms Maximum write cycle time

No page or sector erase required

Low-power CMOS technology

Electronic signature for device ID

Page erase (6ms maximum)

Sector erase (10ms maximum)

Chip erase (10ms maximum)

Sector write protection (32kB/sector) - Protect none, 1/4, 1/2 or all of array

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

1M Erase/write cycles endurance

>200-year Data retention

4000V ESD protection

### Recommended For You

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

Microchip Technology, Inc  
SOP8

**AT25256B-SSHL-T**

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SOP8

**AT24C256C-SSHL-T**

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SOP8

**AT25040B-SSHL-B**

Microchip Technology, Inc  
SOP-8

**AT25128B-SSPDGV-T**

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SOP8

**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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**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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