

## EEPROM Serial-SPI 32K-bit 4K x 8 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 25LC320A is a 32 Kb Serial EEPROM utilizing the industry standard Serial Peripheral Interface (SPI) compatible serial bus. The device is organized as one block of 4096 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

Maximum clock 10MHz

Low-power CMOS technology

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

Write enable latch

Write-protect pin

Sequential read

High reliability

Endurance - 1000000 erase/write cycles

Data retention - >200 years

ESD protection - 4000V

## Recommended For You

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

Microchip Technology, Inc

SOP8

### **AT25256B-SSHL-T**

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### **AT24C256C-SSHL-T**

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### **AT25040B-SSHL-B**

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### **AT25128B-SSPDGV-T**

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### **23K256-I/SN**

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### **AT27C256R-70JU**

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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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