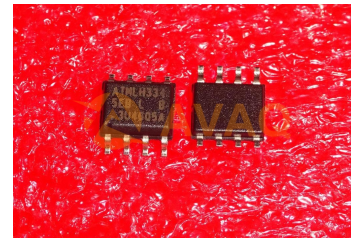


## EEPROM Serial-SPI 256K-bit 32K x 8 2.5V/3.3V/5V Automotive 8-Pin SOIC N T/R



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 AT25256B 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

Green NiPdAu (lead-free/halogen-free) lead finish

Serial Peripheral Interface (SPI) compatible

Supports SPI modes 0 (0,0) and 3 (1,1)

Low-voltage and standard-voltage operation

Block write protection - Protect 1/4, 1/2 or entire array

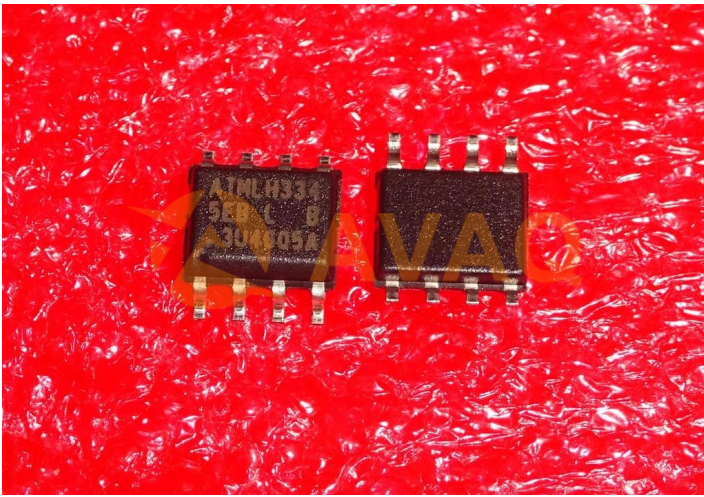
Write protect (WP) pin & write disable instructions for both hardware and software data protection

Self-timed write cycle (5ms maximum)

64-byte Page mode and byte write operation

6.25V Maximum operating voltage

5mA DC output current



## Recommended For You

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### **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-XHM-T**

Microchip Technology, Inc

TSSOP8

### **AT24C08C-SSHMT**

Microchip Technology, Inc

SOP8

### **AT24C04C-PUM**

Microchip Technology, Inc

DIP8

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

Microchip Technology, Inc

SOP8

### **AT24C02C-XHM-T**

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

### **AT24C02C-STUM-T**

Microchip Technology, Inc

SOT23-5