

## EEPROM Serial-Microwire 4K-bit 512 x 8 3.3V/5V Automotive 8-Pin SOIC N Tube

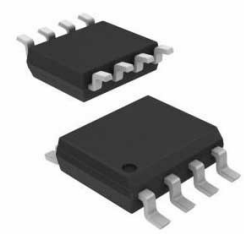
**Manufacturer:** [Microchip Technology, Inc](#)

**Package/Case:** SOP-8

**Product Type:** Memory

**RoHS:** RoHS Compliant/Lead free 

**Lifecycle:** Active



Images are for reference only

[Inquiry](#)

### General Description

The Microchip 93LC66A device is a 4Kb Microwire (3-wire) Serial EEPROM with dedicated 8-bit memory organization and a voltage operation range of 2.5 - 5.5V. Also available are the 93LC66B for dedicated 16-bit memory organization and the 93LC66C for hardware selectable word size using the ORG pin. The 93LC66A is optimized for use in consumer, industrial, and automotive applications where reliable and dependable nonvolatile memory storage is essential. The device is available in a variety of Pb-free packages including SOT-23, PDIP, SOIC, MSOP, DFN and TSSOP.

### Key Features

Industry Standard Microwire Serial I/O

Up to 2 MHz clock compatibility

512 x 8-Bit Organization

Automatic Erase All (ERAL) Before Write All (WRAL)

Self-Timed Erase and Write Cycles (6 ms max.)

Read current 100 uA (Typ), 500 uA (Max)

Write current 500 uA (Typ), 2 mA (Max)

Standby current 1 uA (Max at -40 to 85°C)

Software Write-Protection

More than 1 million erase/write cycles

Data retention > 200 years

Grade 1 Temperature Range: -40°C to 125°C

Qualified for Automotive Applications

Factory Programming Available

Available in SOT-23-6, PDIP-8, SOIC-8, MSOP-8, 2x3 DFN-8 and TSSOP-8

## Recommended For You

---

### AT93C46E-PU

Microchip Technology, Inc  
DIP8

### AT93C46D-PU

Microchip Technology, Inc  
DIP8

### AT93C66B-XHM-T

Microchip Technology, Inc  
TSSOP8

### AT93C56B-SSHM-T

Microchip Technology, Inc  
SOP8

### 93LC46B-I/SN

Microchip Technology, Inc  
SOP8

### 93LC66C-I/SN

Microchip Technology, Inc  
SOIC-8

### 93LC66A-I/SN

Microchip Technology, Inc  
SOP8

### AT93C46DN-SH-T

Microchip Technology, Inc  
SOP8

### 93AA56AT-I/OT

Microchip Technology, Inc  
SOT23-6

### 93LC86CT-I/SN

Microchip Technology, Inc  
SOP8

### 93LC46-I/SN

Microchip Technology, Inc  
SMD

### 93LC46CT-I/ST

Microchip Technology, Inc  
TSSOP-8

### AT93C86A-10SU-1.8

Microchip Technology, Inc  
SOP-8

### 93LC66C-I/ST

Microchip Technology, Inc  
TSSOP8

### 93LC66B/SN

Microchip Technology, Inc  
SOP-8