

## EEPROM Serial-Microwire 4K-bit 512 x 8/256 x 16 2.5V/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 93AA66C device is a 4Kb Microwire (3-wire) Serial EEPROM with hardware selectable word size using the ORG pin and a voltage operation range of 1.8 - 5.5V. Also available are the 93AA66A for dedicated 8-bit memory organization and the 93AA66B for dedicated 16-bit memory organization. The 93AA66C 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 PDIP, SOIC, MSOP, DFN and TSSOP.

### Key Features

Industry Standard Microwire Serial I/O

Up to 3 MHz clock compatibility

ORG Pin to select word size

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

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

Read current 100 uA (Typ), 1 mA (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 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