

## EEPROM Serial-Microwire 2K-bit 128 x 16 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 93LC56B device is a 2Kb Microwire (3-wire) Serial EEPROM with dedicated 16-bit memory organization and a voltage operation range of 2.5 - 5.5V. Also available are the 93LC56A for dedicated 8-bit memory organization and the 93LC56C for hardware selectable word size using the ORG pin. The 93LC56B 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

Low-power CMOS technology

Self-timed erase/write cycles (including auto-erase)

Automatic erase all (ERAL) before write all (WRAL)

Power-on/off data protection circuitry

Industry standard 3-wire serial I/O

Device status signal (ready/busy)

Sequential read function

1,000,000 Erase/write cycles data EEPROM memory typical

>200 Years data retention

Supplier's original packaging: Tube

### 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