


**EEPROM Serial-3Wire 1K-bit 128 x 8/64 x 16 2.5V/3.3V/5V
Automotive 8-Pin UDFN EP T/R**

Manufacturer:	Microchip Technology, Inc
Package/Case:	UDFN-8
Product Type:	Memory
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

The Microchip AT93C46D is a 1 Kb Microwire (3-wire) Serial EEPROM organized as either 128 x 8 or 64 x 16, selectable in hardware using the ORG pin. The device is optimized for use in consumer, industrial, and automotive applications where reliable and dependable nonvolatile memory storage is essential. The EEPROM is available in a variety of space-saving packaging options.

Key Features

- User selectable 128 x 8 or 64 x 16 Organization (1 Kbit)
- Industry Standard Microwire Serial I/O
- Up to 2 MHz clock compatibility
- Self-Timed Erase and Write Cycles (5 ms max.)
- Read current 0.5 mA (Typ), 2.0 mA (Max)
- Write current 0.5 mA (Typ), 2.0 mA (Max)
- Standby current 10.0 uA (Typ), 15.0 uA (Max)
- Software Write-Protection
- More than 1 million erase/write cycles
- Data retention > 100 years
- Grade 1 Temperature Range: -40°C to 125°C
- Qualified for Automotive Applications
- Factory Programming Available
- Available in 8-pin SOIC (150 mil), 8-pin TSSOP, 8-pad UDFN, 8-pin PDIP, and 8-ball VFBGA packages

Recommended For You

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-XHMT

Microchip Technology, Inc
TSSOP8

AT25256B-SSHL-T

Microchip Technology, Inc
SOP8

AT24C08C-SSHMT

Microchip Technology, Inc
SOP8

AT24C04C-PUM

Microchip Technology, Inc
DIP8

AT24C256C-SSHL-T

Microchip Technology, Inc
SOP8

AT24C02C-XHMT

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