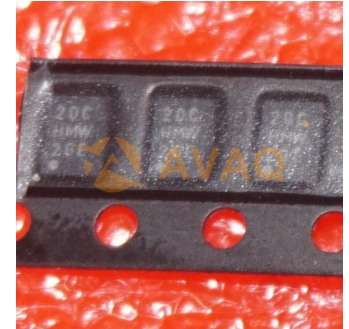


## EEPROM Serial-I2C 128K-bit 16K x 8 1.8V/2.5V/3.3V/5V Automotive 8-Pin UDFN T/R



Images are for reference only

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

**Package/Case:** UDFN-8

**Product Type:** Memory

**RoHS:** RoHS Compliant/Lead free 

**Lifecycle:** Active

[Inquiry](#)

### General Description

The Microchip AT24C128C is a 128Kb Serial EEPROM utilizing an I<sup>2</sup>C (2-wire) serial interface. The device is organized as one block of 16K x 8 and 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

16K x 8 (128 Kbit)

400 kHz and 1 MHz clock compatibility

Self-Timed Erase and Write Cycles (5 ms max.)

Read current 1 mA (Typ), 2 mA (Max)

Write current 2 mA (Typ), 3 mA (Max)

Standby current 6 uA (Max)

Hardware Write-Protect Pin

More than 1 million erase/write cycles

Data retention > 100 years

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

Grade 2 Temperature Range: -40°C to 105°C

Grade 3 Temperature Range: -40°C to 85°C

Qualified for Automotive Applications

Factory Programming Available

Available in 8-lead SOIC, 8-lead TSSOP, 8-pad UDFN, 8-pad XDFN and 8-ball VFBGA packages



## 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

### **AT93C66B-XHM-T**

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-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

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