

EEPROM Serial-I2C 2K-bit 256 x 8 1.8V/2.5V/3.3V/5V Automotive 8-Pin PDIP W Tube



Images are for reference only

Manufacturer: [Microchip Technology, Inc](#)

Package/Case: DIP8

Product Type: Memory

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active

[Inquiry](#)

General Description

The Microchip AT24C02C is a 2 Kb Serial EEPROM utilizing an I²C (2-wire) serial interface. The device is organized as one block of 256 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

256 x 8 (2 Kbit)

400 kHz (1.7V) and 1 MHz (>2.5V) clock compatibility

Supports up to 8 devices on the bus

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

Read current 0.4 mA (Typ), 1 mA (Max)

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

Standby current 6 μ A (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 PDIP, 8-lead JEDEC SOIC, 8-lead TSSOP, 8-pad UDFN, 5-lead SOT23, and 8-ball VFBGA

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-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