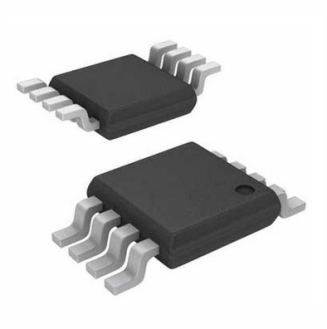
AT24C32D-XHM-T

EEPROM Serial-I2C 32K-bit 4K x 8 1.8V/2.5V/3.3V/5V Automotive 8-Pin TSSOP T/R

Manufacturer:	Microchip Technology, Inc
Package/Case:	TSSOP8
Product Type:	Memory
RoHS:	RoHS Compliant/Lead free
Lifecycle:	Active



Images are for reference only

Inquiry

General Description

The Microchip AT24C32D is a 32Kb Serial EEPROM utilizing an I^2C (2-wire) serial interface. The device is organized as one block of 4,096 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

4096 x 8 (32 Kbit)

400 kHz and 1 MHz clock compatibility

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 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, 5-lead SOT23, and 8-ball VFBGA

AT93C46E-PU

Microchip Technology, Inc

DIP8

AT93C46D-PU

Microchip Technology, Inc

DIP8

AT24C64D-SSHM-T

Microchip Technology, Inc

SOP8

AT24C128C-MAHM-T

Microchip Technology, Inc

UDFN-8

AT93C66B-XHM-T

Microchip Technology, Inc

TSSOP8

AT25256B-SSHL-T

Microchip Technology, Inc

SOP8

AT24C08C-SSHM-T

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-SSHM-T

Microchip Technology, Inc

SOP8

AT24C02C-SSHM-T

Microchip Technology, Inc

SOP8

AT24C16C-SSHM-B

Microchip Technology, Inc

SOP-8

AT93C56B-SSHM-T

Microchip Technology, Inc

SOP8