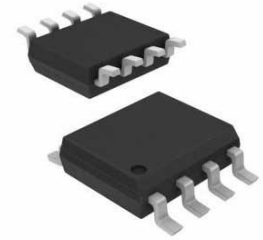


EEPROM Serial-I2C 2K-bit 256 x 8 1.8V/2.5V/3.3V/5V 8-Pin SOIC N Tube



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 Technology Inc. 24AA024 is a 2Kb Serial EEPROM with a voltage range of 1.7V to 5.5V. The device is organized as a single block of 256 x 8-bit memory with a 2-wire serial interface. Low current design permits operation with typical standby and active currents of only 1 μ A and 1 mA, respectively. The device has a page write capability for up to 16 bytes of data. Functional address lines allow the connection of up to eight 24AA024 devices on the same bus for up to 16K bits of contiguous EEPROM memory. The device is available in the standard 8-pin PDIP, 8-pin SOIC (3.90 mm), TSSOP, 2x3 DFN and TDFN and MSOP packages.

Key Features

Single supply with operation from 1.7V to 5.5V

Low-power CMOS technology:

2-wire serial interface, I2C™ compatible

Cascadable up to eight devices

Schmitt Trigger inputs for noise suppression

Output slope control to eliminate ground bounce

100 kHz and 400 kHz clock compatibility

Page write time 5 ms maximum

Self-timed erase/write cycle

16-byte page write buffer

Hardware write-protect

More than 1 million erase/write cycles

Data retention >200 years

Recommended For You

AT24C64D-SSHMT

Microchip Technology, Inc
SOP8

AT24C128C-MAHMT

Microchip Technology, Inc
UDFN-8

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

AT24C02C-STUM-T

Microchip Technology, Inc
SOT23-5

24LC01B-I/SN

Microchip Technology, Inc
SOP8

25AA1024-I/SM

Microchip Technology, Inc
SOP8

AT24C01C-SSHMT

Microchip Technology, Inc
SOP8

25AA1024T-I/MF

Microchip Technology, Inc
DFN-8