

EEPROM Serial-I2C 1K-bit 128 x 8 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. 24LC01B is a 1Kb Serial EEPROM. The device is organized as one block of 128 x 8-bit memory with a 2-wire serial interface. Low-voltage design permits operation down to 1.7V with standby and active currents of only 1 μ A and 1 mA, respectively. The 24LC01B also has a page write capability for up to 8 bytes of data. The 24LC01B is available in the standard 8-pin PDIP, surface mount SOIC, TSSOP, 2x3 DFN and MSOP packages, and is also available in the 5-lead SOT-23 package.

Key Features

Single-supply with operation down to 1.8V

Low-power CMOS technology

2-wire serial interface (I²C™ compatible)

Schmitt trigger inputs for noise suppression

Output slope control to eliminate ground bounce

100 and 400kHz Clock compatibility

Self-timed write cycle

Page write buffer for up to 8 bytes

2ms Typical write cycle time for page write

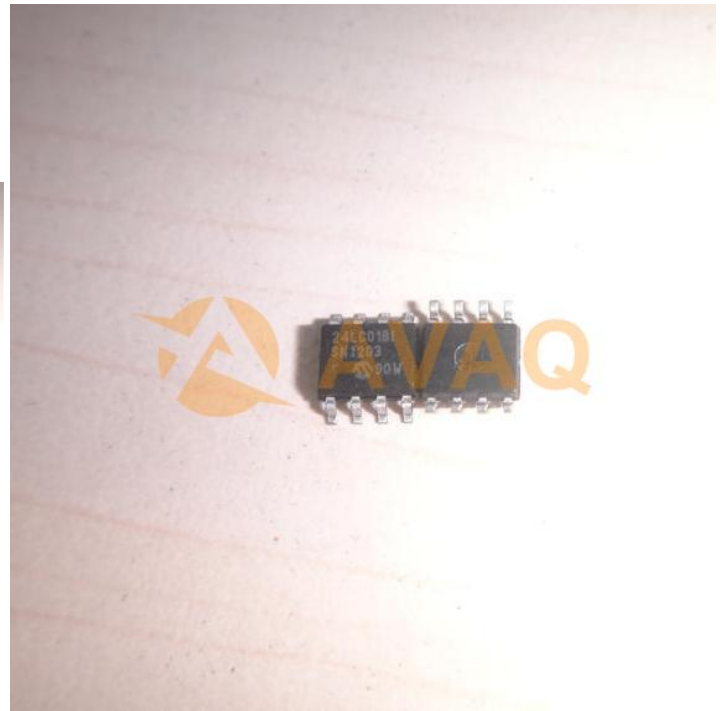
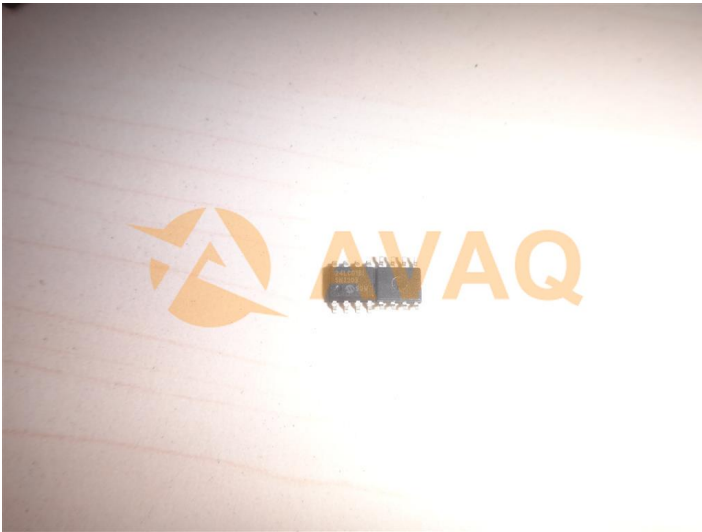
Hardware write-protect for entire memory

Can be operated as a serial ROM

ESD protection >4000V

1000000 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

25AA1024-I/SM

Microchip Technology, Inc

SOP8

AT24C01C-SSHMT

Microchip Technology, Inc

SOP8

25AA1024T-I/MF

Microchip Technology, Inc

DFN-8

25LC1024-I/SM

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