

## EEPROM Serial-I2C 2K-bit 256 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. 24LCS22A is a 256 x 8-bit dual-mode Electrically Erasable PROM (EEPROM). This device is designed for use in applications requiring storage and serial transmission of configuration and control information. Two modes of operation have been implemented: Transmit-Only mode (1 Kbit) and Bidirectional mode (2 Kbit). Upon power-up, the device will be in the Transmit-Only mode, sending a serial bitstream of the memory array from 00h to 7Fh, clocked by the VCLK pin. A valid high-to-low transition on the SCL pin will cause the device to enter the Transition mode, and look for a valid control byte on the I2C™ Compatible bus. If it detects a valid control byte from the master, it will switch into Bidirectional mode, with byte selectable read/write capability of the entire 2K memory array using SCL. If no control byte is received, the device will revert to the Transmit-Only mode after it receives 128 consecutive VCLK pulses while the SCL pin is idle. The 24LCS22A is available in standard 8-pin PDIP and SOIC packages. The 24LCS22A features a flexible write-protect pin which is enabled by writing to address 7Fh (usually the checksum in VESA® applications).

### 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-SSHMB**

Microchip Technology, Inc  
SOP-8

**AT24C02C-STUMT**

Microchip Technology, Inc  
SOT23-5

**24LC01B-I/SN**

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**25AA1024-I/SM**

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**AT24C01C-SSHMT**

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**25AA1024T-I/MF**

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