EEPROM Serial-I2C 1M-bit 128K x 8 1.8V/2.5V/3.3V 8-Pin SOIC T/R

Manufacturers	Microchip Technology, Inc
Package/Case	SOIC-8
Product Type	Memory
RoHS	
Lifecycle	

8-lead SOIC

NC — 1 ○   8 — V_{CC}
A_1 — 2   7 — WP
A_2 — 3   6 — SCL
GND — 4   5 — SDA

Top View
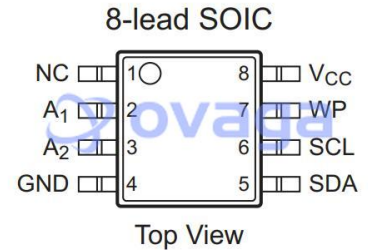
Images are for reference only

Please submit RFQ for AT24CM01-SSHM-T or Email to us: sales@ovaga.com We will contact you in 12 hours.   RFQ

General Description

The Microchip AT24CM01 is a 1Mb Serial EEPROM utilizing an I2C (2-wire) serial interface. The device is organized as one block of 128K x 8 and is optimized for use in consumer and industrial applications where reliable and dependable nonvolatile memory storage is essential. The EEPROM is available in a variety of space-saving packaging options.

Features

128K x 8 (1 Mbit)

2-Wire Serial Interface, I2C Compatible

400 kHz and 1 MHz clock compatibility

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

Low Power Consumption

Read current 2 mA (Max)

Write current 3 mA (Max)
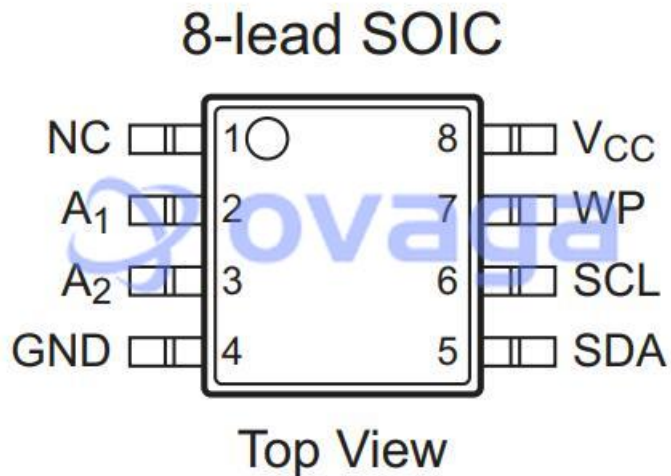
Standby current 6 uA (Max)

Hardware Write-Protect Pin

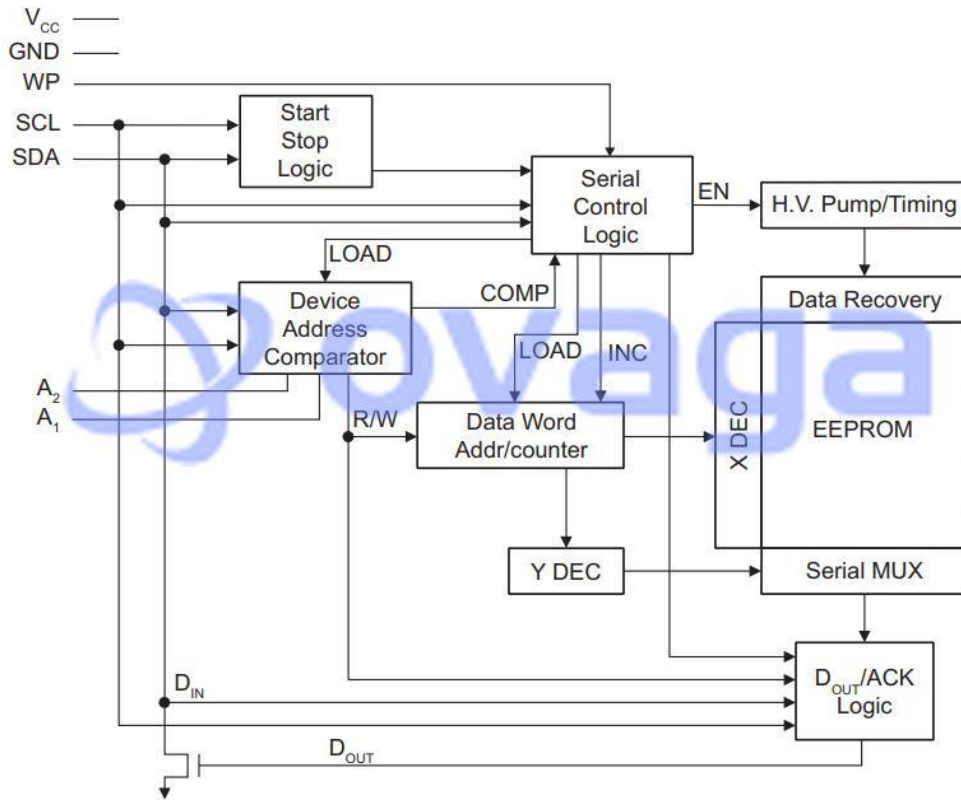More than 1 million erase/write cycles

Data retention > 40 years

Factory Programming Available

Available in 8-lead SOIC, 8-lead SOIJ, 8-lead TSSOP, and 8-ball WLCSP packages

8-lead SOIC

	Pin		Pin	
NC	1		8	V_{CC}
A_1	2		7	WP
A_2	3		6	SCL
GND	4		5	SDA

Top View

3. Block Diagram

Related Products

AT27C010-45JU	**AT24CM02-SSHM-B**	
Microchip Technology, Inc	Microchip Technology, Inc	
PLCC-32	SOIC-8	
AT24CM02-SSHD-B	**AT24C512C-SSHM-T**	
Microchip Technology, Inc	Microchip Technology, Inc	
SOIC-8	SOIC-8	
24LC32AT-I/SN	**AT24C04D-MAHM-T**	
Microchip Technology, Inc	Microchip Technology, Inc	
SOIC-8	UDFN-8	
AT28BV256-20SU	**AT28C010E-12DM/883**	
Microchip Technology, Inc	Microchip Technology, Inc	
SOIC-28	CERDIP-32	