

EEPROM, 1 Mbit, 128K x 8bit, Serial I2C (2-Wire), 1 MHz, SOIC, 8 Pins

| | |
|---------------|---------------------------------------|
| Manufacturers | ON Semiconductor, LLC |
| Package/Case | SOIC-8 |
| Product Type | Memory |
| RoHS | Rohs |
| Lifecycle | |



Images are for reference only

Please submit RFQ for CAT24M01XI-T2 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The CAT24M01 is a EEPROM Serial 1-Mb I2C, internally organized as 131,072 words of 8 bits each. It features a 256-byte page write buffer and supports the Standard (100 kHz), Fast (400 kHz) and Fast-Plus (1 MHz) I2C protocol. Write operations can be inhibited by taking the WP pin High (this protects the entire memory). External address pins make it possible to address up to four CAT24M01 devices on the same bus. On-Chip ECC (Error Correction Code) makes the device suitable for high reliability applications.

Features

Supports Standard, Fast and Fast-Plus I2C Protocol

Simple interface protocol / industry standard; 1MHz clock enables faster operation.

1.8 V to 5.5 V Supply Voltage Range

Single power supply from 1.8V to 5.5V: allows multiple applications / various VCC values using the same device.

256-Byte Page Write Buffer

Hardware Write Protection for Entire Memory

Schmitt Triggers and Noise Suppression Filters on I2C Bus Inputs (SCL and SDA)

Low Power CMOS Technology

1,000,000 Program/Erase Cycles

100 Year Data Retention

Industrial and Extended Temperature Range

8-lead SOIC and TSSOP and 8-pad UDFN packages

These Devices are Pb-Free, Halogen Free/BFR Free and are RoHS Compliant

Application

ONSEMI

Related Products



[CAT25256YI-GT3](#)

ON Semiconductor, LLC
TSSOP-8



[CAT24M01YI-GT3](#)

ON Semiconductor, LLC
TSSOP-8



[CAT24C512YI-GT3](#)

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[CAT24C512XI-T2](#)

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[CAT93C46BVI-GT3](#)

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[CAT25512VI-GT3](#)

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[CAT25320VI-GT3](#)

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