

EEPROM, 1 Mbit, 128K x 8bit, Serial SPI, 10 MHz, SOIC, 8 Pins

Manufacturers	<a href="#">ON Semiconductor, LLC</a>
Package/Case	SOP-8
Product Type	EEPROM
RoHS	AEC Qualified Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for CAT25M01VI-GT3 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The CAT25M01 is a EEPROM Serial 1-Mb SPI device internally organized as 128Kx8 bits. This features a 256-byte page write buffer and supports the Serial Peripheral Interface (SPI) protocol. The device is enabled through a Chip Select (CS) input. In addition, the required bus signals are clock input (SCK), data input (SI) and data output (SO) lines. The HOLD input may be used to pause any serial communication with the CAT25M01 device. The device features software and hardware write protection, including partial as well as full array protection. On-Chip ECC (Error Correction Code) makes the device suitable for high reliability applications.

## Features

10 MHz SPI Compatible

1.8 V to 5.5 V Supply Voltage Range

SPI Modes (0,0) & (1,1)

256-byte Page Write Buffer

Additional Identification Page with Permanent Write Protection

Self-timed Write Cycle

Hardware and Software Protection

Block Write Protection - Protect 1/4, 1/2 or Entire EEPROM Array

Low Power CMOS Technology

1,000,000 Program/Erase Cycles

100 Year Data Retention

Industrial Temperature Range

8 lead SOIC and TSSOP Packages

This Device is Pb-Free, Halogen Free/BFR Free and is RoHS Compliant

## Application

ONSEMI

## Related Products



### [CAT25256YI-GT3](#)

ON Semiconductor, LLC  
TSSOP-8



### [CAT24C512YI-GT3](#)

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TSSOP-8



### [CAT24C512XI-T2](#)

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### [CAT24M01YI-GT3](#)

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### [CAT24M01XI-T2](#)

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### [CAT93C46BVI-GT3](#)

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[CAT25512VI-GT3](#)

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[CAT25320VI-GT3](#)

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