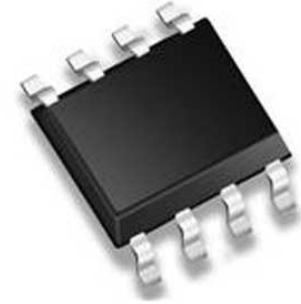


EEPROM, 64 Kbit, 8K x 8bit, Serial SPI, 2 MHz, SOIC, 8 Pins

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



Images are for reference only

Please submit RFQ for 25LC640-I/SN or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The Microchip 25LC640A is a 64 Kb Serial EEPROM utilizing the industry standard Serial Peripheral Interface (SPI) compatible serial bus. The device is organized as one block of 8192 x 8-bit and is optimized for use in consumer electronics, industrial, medical, and automotive applications where reliable and dependable nonvolatile memory storage is essential. Software write protection allows the user to protect 1/4, 1/2, or the entire memory array. A hardware write protect pin is also provided, which additionally protects against inadvertent writes to the status register. The EEPROM is available in a variety of space-saving packaging options.

For product comparison, please consider: AT25640B, 25AA640A

Features

8192 x 8-bit (64 Kbit)

Serial Peripheral Interface (SPI) Compatible

Supports SPI modes 0 and 3

Up to 10 MHz clock frequency

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

Low Power Consumption

Read current: 5 mA (Max) at 10 MHz

Write current: 5 mA (Max) at 10 MHz

Standby current: 5 μ A (Max) at 5.5 V

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

More than 1 million erase/write cycles

Data retention > 200 years

Temperature Ranges Available

Industrial (I): -40°C to 85°C

Extended (E): -40°C to +125°C

Extended (H)2: -40°C to +150°C

Extended (M)2: -55°C to +125°C

Automotive AECQ-100 Qualified¹

Factory Programming Available

Available in standard packages including 8-lead PDIP and SOIC, and advanced packages including 8-lead MSOP, 8-lead TSSOP and 8-lead 2x3 TDFN

¹Contact Microchip for automotive grade products

²Refer to extended temperature data sheets for product specification

Related Products



[25AA02E48-I/SN](#)

Microchip Technology, Inc
SOIC-8



[24LC256-I/ST](#)

Microchip Technology, Inc
TSSOP-8



[AT28BV256-20SU](#)

Microchip Technology, Inc
SOIC-28



[AT28HC256F-90DM/883](#)

Microchip Technology, Inc
CERDIP-28



[AT28C256-15DM/883](#)

Microchip Technology, Inc
CERDIP-28



[SST25VF020B-80-4I-SAE-T](#)

Microchip Technology, Inc
SOIC-8



[AT28HC256-90DM/883](#)

Microchip Technology, Inc
CERDIP-28



[AT28C256-15JU](#)

Microchip Technology, Inc
PLCC-32