EEPROM Serial-SPI 128K-bit 16K x 8 3.3V/5V Automotive 8-Pin TSSOP Tube

Manufacturer:	Microchip Technology, Inc
Package/Case:	TSSOP8
Product Type:	Memory
RoHS:	RoHS Compliant/Lead free RoHS
Lifecycle:	Active
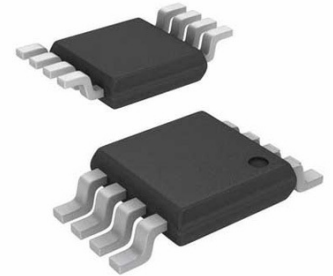
Images are for reference only

Inquiry

General Description

The Microchip 25LC128 is a 128 Kb Serial EEPROM utilizing the industry standard Serial Peripheral Interface (SPI) compatible serial bus. The device is organized as one block of 16,384 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 ¼, ½, 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.

Key Features

16,384 x 8-bit (128 Kbit)

Supports SPI modes 0 and 3

Up to 10 MHz clock frequency

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

Read current: 5 mA (Max) at 10 MHz

Write current: 5 mA (Max) at 10 MHz

Standby current: 5 µA (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

Industrial (I): -40°C to 85°C

Extended (E): -40°C to +125°C

Extended+ (H): -40°C to +150°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

Recommended For You

SST25VF080B-50-4C-S2AF	AT25256B-SSHL-T	AT24C256C-SSHL-T
Microchip Technology, Inc	Microchip Technology, Inc	Microchip Technology, Inc
SOP8	SOP8	SOP8

AT25040B-SSHL-B	AT25128B-SSPDGV-T	23K256-I/SN
Microchip Technology, Inc	Microchip Technology, Inc	Microchip Technology, Inc
SOP-8	SOP8	SOP8

AT27C256R-70JU	25AA1024-I/SM	AT25320B-SSHL-T
Microchip Technology, Inc	Microchip Technology, Inc	Microchip Technology, Inc
PLCC32	SOP8	SOP8

25AA1024T-I/MF	AT25512N-SH-T	25LC1024-I/SM
Microchip Technology, Inc	Microchip Technology, Inc	Microchip Technology, Inc
DFN-8	SOP8	SOP8

25AA256T-I/SN

Microchip Technology, Inc

SOP8

25LC640A-I/SN

Microchip Technology, Inc

SOP8

AT25640B-SSHL-T

Microchip Technology, Inc

SOP8

25AA256T-I/SN

Microchip Technology, Inc

25LC640A-I/SN

Microchip Technology, Inc

AT25640B-SSHL-T

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AVAQ SEMICONDUCTOR CO., LIMITED

Email: sales@avaq.com