25LC512-I/SN

EEPROM Serial-SPI 512K-bit 64K x 8 3.3V/5V Automotive 8-Pin SOIC N Tube

Manufacturer:	Microchip Technology, Inc
Package/Case:	SOP8
Product Type:	Memory
RoHS:	RoHS Compliant/Lead free
Lifecycle:	Active

Images are for reference only

Inquiry

General Description

The Microchip 25LC512 is a 512Kb Serial EEPROM utilizing the industry standard Serial Peripheral Interface (SPI) compatible serial bus. The device is organized as one block of 64Kx 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

Low-power CMOS technology

Electronic signature for device ID

Self-timed erase and write cycles

Sector write protection (16kB/sector)

Built-in write protection

High reliability

5mA at 5.5V/20MHz Maximum write current

10mA at 5.5V/20MHz Read current

1µA at 2.5V (deep power-down) Standby current

>200 Years data retention

Recommended For You

SST25VF080B-50-4C-S2AF

Microchip Technology, Inc

SOP8

AT25256B-SSHL-T

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AT24C256C-SSHL-T

Microchip Technology, Inc

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AT25040B-SSHL-B

Microchip Technology, Inc

SOP-8

AT25128B-SSPDGV-T

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SOP8

23K256-I/SN

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SOP8

AT27C256R-70JU

Microchip Technology, Inc

PLCC32

25AA1024-I/SM

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AT25320B-SSHL-T

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25AA1024T-I/MF

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DFN-8

AT25512N-SH-T

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25LC1024-I/SM

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25LC640A-I/SN

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AT25640B-SSHL-T

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