

EEPROM Serial-SPI 4K-bit 512 x 8 2.5V/3.3V/5V 6-Pin SOT-23 T/R

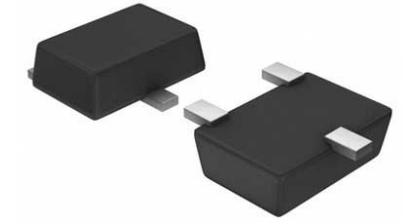
Manufacturer: [Microchip Technology, Inc](#)

Package/Case: SOT23-6

Product Type: Memory

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active



Images are for reference only

[Inquiry](#)

General Description

The Microchip 25AA040A is a 4 Kb Serial EEPROM utilizing the industry standard Serial Peripheral Interface (SPI) compatible serial bus. The device is organized as one block of 512 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 and memory array. The EEPROM is available in a variety of space-saving packaging options.

Key Features

Maximum clock 10MHz

Low-power CMOS technology

Write page mode

Sequential read

Self-timed erase and write cycles 5ms maximum

Block write protection - Protect none, 1/4, 1/2 or all of array

Built-in write protection

Power-on/off data protection circuitry

Write enable latch

Write-protect pin

High reliability

Endurance - 1000000 erase/write cycles

Data retention - >200 years

ESD protection - 4000V

Recommended For You

SST25VF080B-50-4C-S2AF

Microchip Technology, Inc
SOP8

AT25256B-SSHL-T

Microchip Technology, Inc
SOP8

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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23K256-I/SN

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AT27C256R-70JU

Microchip Technology, Inc
PLCC32

25AA1024-I/SM

Microchip Technology, Inc
SOP8

AT25320B-SSHL-T

Microchip Technology, Inc
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25AA1024T-I/MF

Microchip Technology, Inc
DFN-8

AT25512N-SH-T

Microchip Technology, Inc
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25LC1024-I/SM

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SOP8

25AA256T-I/SN

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25LC640A-I/SN

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AT25640B-SSHL-T

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