

## EEPROM Serial-I2C 512K-bit 64K x 8 1.8V/2.5V/3.3V/5V 8-Pin SOIC N Tube



Images are for reference only

**Manufacturer:** [Microchip Technology, Inc](#)

**Package/Case:** SOP-8

**Product Type:** Memory

**RoHS:** RoHS Compliant/Lead free 

**Lifecycle:** Active

[Inquiry](#)

### General Description

The Microchip Technology Inc. 24FC512 is a 512Kb (64K x 8) Serial Electrically Erasable PROM (EEPROM), capable of operation across a broad voltage range (1.7V to 5.5V). It has been developed for advanced, low-power applications such as personal communications and data acquisition. This device also has a page write capability of up to 128 bytes of data. This device is capable of both random and sequential reads up to the 512K boundary. Functional address lines allow up to eight devices on the same bus, for up to 4 Mbit address space. This device is available in the standard 8-pin plastic DIP, SOIJ and DFN packages.

### Key Features

Reliable EEPROM Memory

64K x 8 (512 Kbit)

128-Byte Page Write Buffer

Page Write Time 5 ms Max.

Hardware Write-Protect Pin

Factory Programming Available

Low Power

Operating voltage 1.7V to 5.5V

Read current 400 uA, max.

Standby current 1 uA, max.

2-Wire Serial Interface, I2C™ Compatible

Cascadable up to Eight Devices

1MHz Clock Compatible

Pb-Free and RoHS Compliant

## Recommended For You

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### **AT24C64D-SSHMT**

Microchip Technology, Inc  
SOP8

### **AT24C128C-MAHMT**

Microchip Technology, Inc  
UDFN-8

### **AT24C08C-SSHMT**

Microchip Technology, Inc  
SOP8

### **AT24C04C-PUM**

Microchip Technology, Inc  
DIP8

### **AT24C256C-SSHL-T**

Microchip Technology, Inc  
SOP8

### **AT24C02C-XHM-T**

Microchip Technology, Inc  
TSSOP8

### **AT24C02C-XHM-B**

Microchip Technology, Inc  
TSSOP8

### **AT24C32D-SSHMT**

Microchip Technology, Inc  
SOP8

### **AT24C02C-SSHMT**

Microchip Technology, Inc  
SOP8

### **AT24C16C-SSHMT-B**

Microchip Technology, Inc  
SOP-8

### **AT24C02C-STUM-T**

Microchip Technology, Inc  
SOT23-5

### **24LC01B-I/SN**

Microchip Technology, Inc  
SOP8

### **25AA1024-I/SM**

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SOP8

### **AT24C01C-SSHMT**

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SOP8

### **25AA1024T-I/MF**

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DFN-8