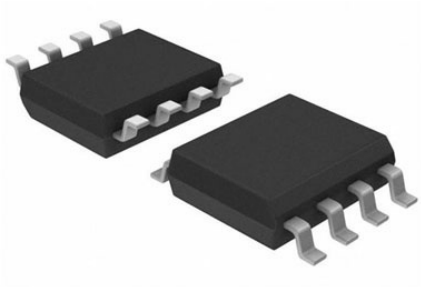
24LC64-I/SM

Data Sheet

EEPROM, 64 Kbit, 8K x 8bit, Serial I2C (2-Wire), 400 kHz, SOIC, 8 Pins

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



Images are for reference only

Please submit RFQ for 24LC64-I/SM or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

General Description

The Microchip Technology Inc. 24LC64 is a 64Kb I2C™ compatible Serial EEPROM. The device is organized as a single block of 8K x 8-bit memory with a 2-wire serial interface. Low-voltage design permits operation down to 2.5V, with standby and active currents of only 1 µA and 1 mA, respectively. It has been developed for advanced, lowpower applications such as personal communications or data acquisition. The 24LC64 also has a page write capability for up to 32 bytes of data. Functional address lines allow up to eight devices on the same bus, for up to 512 Kbits address space. The 24LC64 is available in the standard 8-pin PDIP, surface mount SOIC, TSSOP, DFN, TDFN and MSOP packages. The 24LC64 is also available in the 5-lead SOT-23 package.

Features

Single-Supply with Operation down to 2.5V

Low-Power CMOS Technology

2-Wire Serial Interface, I2C™ Compatible

Cascadable up to 8 Devices

Schmitt Trigger Inputs for Noise Suppression

Output Slope Control to Eliminate Ground Bounce

100 kHz and 400 kHz Clock Compatibility

Page Write Time 5 ms, typical

Self-timed Erase/Write Cycle

32-Byte Page Write Buffer

Hardware Write-protect

ESD Protection > 4,000V

More than 1 Million Erase/Write Cycles

Data Retention > 200 Years

Factory Programming Available

Related Products

AT24CM02-SSHM-B

Microchip Technology, Inc

SOIC-8

AT24CM02-SSHD-B

Microchip Technology, Inc

SOIC-8

24FC512-I/SM

Microchip Technology, Inc

SOIJ-8

24AA512-I/SM

Microchip Technology, Inc

SOIJ-8

AT24C512C-SSHM-T

Microchip Technology, Inc

SOIC-8

24LC256-I/ST

Microchip Technology, Inc

TSSOP-8

[24LC32AT-I/SN]

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SOIC-8

[AT24C04D-MAHM-T]

Microchip Technology, Inc

UDFN-8