

EEPROM Serial-I2C 32K-bit 4K x 8 3.3V/5V 8-Pin SO N T/R

Manufacturer: [STMicroelectronics, Inc](#)

Package/Case: SOP-8

Product Type: Memory

RoHS: RoHS Compliant/Lead free 

Lifecycle: NRND

M24C32-WMN6TP Image

Images are for reference only

[Inquiry](#)

General Description

The M24C32 is a 32-Kbit I2C-compatible EEPROM (Electrically Erasable PROgrammable Memory) organized as 4 K × 8 bits.

The M24C32-W can operate with a supply voltage from 2.5 V to 5.5 V, the M24C32-R can operate with a supply voltage from 1.8 V to 5.5 V, and the M24C32-F and M24C32-DF can operate with a supply voltage from 1.7 V to 5.5 V, over an ambient temperature range of -40 °C / +85 °C; while the M24C32-X can operate with a supply voltage from 1.6 V to 5.5 V over an ambient temperature range of -20 °C / +85 °C. The M24C32-D offers an additional page, named the Identification Page (32 byte). The Identification Page can be used to store sensitive application parameters which can be (later) permanently locked in Read-only mode.

Key Features

Compatible with all I2C bus modes:

1MHz

400kHz

100kHz

Memory array:

32Kbit (4Kbyte) of EEPROM

Page size: 32byte

Additional write lockable page (M24C32-D order codes)

Single supply voltage:

1.7V to 5.5V over $-40^{\circ}\text{C}/+85^{\circ}\text{C}$

1.6V to 5.5V over $-20^{\circ}\text{C}/+85^{\circ}\text{C}$

Write:

Byte write within 5ms

Page write within 5ms

Random and sequential read modes

Write protect of the whole memory array

Enhanced ESD/Latch-Up protection

More than 4 million write cycles

More than 200-years data retention

Packages

PDIP8 ECOPACK2

SO8 ECOPACK2

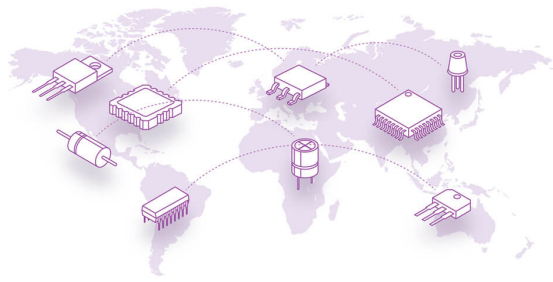
TSSOP8 ECOPACK2

UFDFPN8 ECOPACK2

WLCSPECOPACK2

UFDFPN5 ECOPACK2

Unsawn wafer (each die is tested)



Recommended For You

M24C08-RMN6TP

STMicroelectronics, Inc

SOP8

M24C08-WMN6TP

STMicroelectronics, Inc

SOP8

M27C64A-15F1

STMicroelectronics, Inc

DIP

M24C08-WDW6TP

STMicroelectronics, Inc

TSSOP8

M24C02-RMN6P

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SOP-8

M27C1001-10F1

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CDIP32

M27C1001-12F6

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DIP

M27C64A-20F1

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DIP

M27C512-15F1

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CDIP

M24C02-RMN6TP

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SOP-8

M27C1001-70F1

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DIP

M27C512-90B6

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DIP28

M27C4001-90C6

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PLCC-32

M27C1001-70C1

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PLCC32

M24256-DFCS6TP/K

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WLCSP-8