EEPROM Serial-I2C 512K-bit 64K x 8 2.5V/3.3V/5V 8-Pin TSSOP T/R

Manufacturers	ON Semiconductor, LLC
Package/Case	TSSOP-8
Product Type	Memory
RoHS	Rohs
Lifecycle	
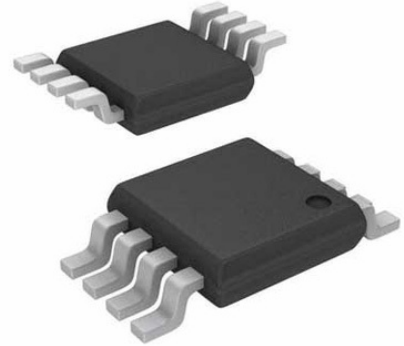
Images are for reference only

Please submit RFQ for CAT24C512YI-GT3 or Email to us: sales@ovaga.com We will contact you in 12 hours.

RFQ

General Description

The CAT24C512 is a EEPROM Serial 512-Kb I2C, internally organized as 65,536 words of 8 bits each.It features a 128-byte page write buffer and supports the Standard (100 kHz), Fast (400 kHz) and Fast-Plus (1 MHz) I2C protocol.Write operations can be inhibited by taking the WP pin High (this protects the entire memory).External address pins make it possible to address up to eight CAT24C512 devices on the same bus.On-Chip ECC (Error Correction Code) makes the device suitable for high reliability applications.

Features

Supports Standard, Fast and Fast-Plus I2C Protocol

Simple interface protocol / industry standard; 1 MHz clock enables faster operation.

1.8 V to 5.5 V Supply Voltage Range

Single power supply from 1.8 V to 5.5 V: allows multiple applications / various VCC values using the same device.

8-lead SOIC and TSSOP and 8-pad UDFN packages

Space-Efficient Packaging

128-Byte Page Write Buffer

Hardware Write Protection for Entire Memory

Schmitt Triggers and Noise Suppression Filters on I2C Bus Inputs (SCL and SDA)

Low Power CMOS Technology

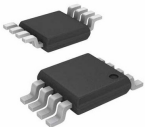1,000,000 Program/Erase Cycles

100 Year Data Retention

Industrial Temperature Range

These Devices are Pb-Free, Halogen Free/BFR Free and are RoHS Compliant

Application

ONSEMI

Related Products

CAT25256YI-GT3

ON Semiconductor, LLC

TSSOP-8

CAT24M01YI-GT3

ON Semiconductor, LLC

TSSOP-8

CAT24M01XI-T2

ON Semiconductor, LLC

SOIC-8

CAT24C512XI-T2

ON Semiconductor, LLC

SOIC-8

CAT93C46BVI-GT3

ON Semiconductor, LLC

SOIC-8

CAT25512VI-GT3

ON Semiconductor, LLC

SOIC-8

CAT25320VI-GT3

ON Semiconductor, LLC

SOIC-8

CAT25M01VI-GT3

ON Semiconductor, LLC

SOP-8

Ovaga Technologies Limited   **Email: sales@ovaga.com**