

Product Overview

CAT24C64: EEPROM Serial 64-Kb I²C

For complete documentation, see the data sheet.

The CAT24C64 is a 64-kb CMOS Serial EEPROM devices, internally organized as 8192 words of 8 bits each. It features a 32-byte page write buffer and supports the Standard (100 kHz), Fast (400 kHz) and Fast-Plus (1 MHz) I²C protocol. External address pins make it possible to address up to eight CAT24C64 devices on the same bus.

Features

- Supports Standard and Fast I²C Protocol
 - 1.7 V to 5.5 V Supply Voltage Range
 - 32-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
 - 8-lead SOIC and TSSOP, WLCSP 4-ball and 8-pad UDFN packages
- For more features, see the data sheet

Applications

- Alarm Systems
- Audio Players
- Automotive Systems
- Cable Modems
- CDRW

Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	Type	Density	Organization	Data Transmission Standard	f _{cycle} Max (kHz)	t _{acc} Max ns	V _{cc} Min (V)	V _{cc} Max (V)	I _{standby} Max (μA)	I _{fact} Max (mA)	T Min (°C)	T Max (°C)	Package Type
CAT24C64C4CTR	0.1293	Pb-free Halide free	Active	Serial	64 kb	8k x 8	I ² C	400	400	1.7	5.5	1	1	-40	85	WLCSP-4
CAT24C64C4UTR	0.14	Pb-free Halide free	Active	Serial	64 kb	8k x 8	I ² C	400	400	1.7	5.5	1	1	-40	85	WLCSP-4
CAT24C64HU4I-GT3	0.28	Pb-free Halide free	Active	Serial	64 kb	8k x 8	I ² C	400	400	1.7	5.5	1	1	-40	85	UDFN-8
CAT24C64WI-GT3	0.14	Pb-free Halide free	Active	Serial	64 kb	8k x 8	I ² C	400	400	1.7	5.5	1	1	-40	85	SOIC-8
CAT24C64YI-GT3	0.14	Pb-free Halide free	Active	Serial	64 kb	8k x 8	I ² C	400	400	1.7	5.5	1	1	-40	85	TSSOP-8

For more information please contact your local sales support at www.onsemi.com.

Created on: 4/7/2020