

Product Overview

CAT24C32: EEPROM Serial 32-Kb I²C

For complete documentation, see the data sheet.

The CAT24C32 is a EEPROM Serial 32-Kb I²C devices, internally organized as 4096 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 CAT24C32 devices on the same bus.

Features

- Supports Standard, Fast and Fast-Plus 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 and Extended temperature range
- RoHS compliant 8-pin PDIP, SOIC, TSSOP, UDFN and WLCSP 5-ball packages packages

For more features, see the data sheet

Applications

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

Part Electrical Specifications

Product	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 _{act} Max (mA)	T Min (°C)	T Max (°C)	Package Type
CAT24C32C4CTR	Pb-free	Active	Serial	32 kb	4k x 8	I2C	1000	-	1.7	5.5	3	1	-40	85	WLCS P-4
	Halide free														
CAT24C32C5ATR	Pb-free	Active	Serial	32 kb	4k x 8	I2C	1000	-	1.7	5.5	3	1	-40	85	WLCS P-5
	Halide free														
CAT24C32C5CTR	Pb-free	Active	Serial	32 kb	4k x 8	I2C	1000	-	1.7	5.5	3	1	-40	85	WLCS P-5
	Halide free														
CAT24C32HU4I-GT3	Pb-free	Active	Serial	32 kb	4k x 8	I2C	1000	-	1.7	5.5	3	1	-40	85	UDFN-8
	Halide free														
CAT24C32WI-GT3	Pb-free	Active	Serial	32 kb	4k x 8	I2C	1000	-	1.7	5.5	3	1	-40	85	SOIC-8
	Halide free														
CAT24C32YI-GT3	Pb-free	Active	Serial	32 kb	4k x 8	I2C	1000	-	1.7	5.5	3	1	-40	85	TSSOP-8
	Halide free														

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

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