

## Product Overview

### CAT24C32: EEPROM Serial 32-Kb I<sup>2</sup>C

For complete documentation, see the data sheet.

The CAT24C32 is a EEPROM Serial 32-Kb I<sup>2</sup>C 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) I<sup>2</sup>C 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 I<sup>2</sup>C 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 I<sup>2</sup>C 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 and 5-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 <sub>cycle</sub> Max (kHz)	t <sub>acc</sub> Max ns	V <sub>cc</sub> Min (V)	V <sub>cc</sub> Max (V)	I <sub>standby</sub> Max (μA)	I <sub>fact</sub> Max (mA)	T Min (°C)	T Max (°C)	Package Type
CAT24C32C4CTR	0.2667	Pb-free Halide free non AEC-Q and PPAP	Active	Serial	32 kb	4k x 8	I <sup>2</sup> C	1000	-	1.7	5.5	3	1	-40	85	WLCSP-4
CAT24C32C5ATR	0.3144	Pb-free Halide free non AEC-Q and PPAP	Active	Serial	32 kb	4k x 8	I <sup>2</sup> C	1000	-	1.7	5.5	3	1	-40	85	WLCSP-5
CAT24C32C5CTR	0.3144	Pb-free Halide free non AEC-Q and PPAP	Active	Serial	32 kb	4k x 8	I <sup>2</sup> C	1000	-	1.7	5.5	3	1	-40	85	WLCSP-5
CAT24C32HU4I-GT3	0.2267	Pb-free Halide free non AEC-Q and PPAP	Active	Serial	32 kb	4k x 8	I <sup>2</sup> C	1000	-	1.7	5.5	3	1	-40	85	UDFN-8
CAT24C32WI-GT3	0.1267	Pb-free Halide free non AEC-Q and PPAP	Active	Serial	32 kb	4k x 8	I <sup>2</sup> C	1000	-	1.7	5.5	3	1	-40	85	SOIC-8
CAT24C32YI-GT3	0.1297	Pb-free Halide free non AEC-Q and PPAP	Active	Serial	32 kb	4k x 8	I <sup>2</sup> C	1000	-	1.7	5.5	3	1	-40	85	TSSOP-8

For more information please contact your local sales support at [www.onsemi.com](http://www.onsemi.com).

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