

## Product Overview

### CAT24C64: EEPROM Serial 64-Kb I<sup>2</sup>C

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) I<sup>2</sup>C protocol. External address pins make it possible to address up to eight CAT24C64 devices on the same bus.

### Features

- Supports Standard and Fast 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-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	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>act</sub> Max (mA)	T Min (°C)	T Max (°C)	Package Type
CAT24C64C4CTR	Pb-free	Active	Serial	64 kb	8k x 8	I <sup>2</sup> C	400	400	1.7	5.5	1	1	-40	85	WLCS P-4
	Halide free														
CAT24C64C4UTR	Pb-free	Active	Serial	64 kb	8k x 8	I <sup>2</sup> C	400	400	1.7	5.5	1	1	-40	85	WLCS P-4
	Halide free														
CAT24C64HU4I-GT3	Pb-free	Active	Serial	64 kb	8k x 8	I <sup>2</sup> C	400	400	1.7	5.5	1	1	-40	85	UDFN-8
	Halide free														
CAT24C64WI-GT3	Pb-free	Active	Serial	64 kb	8k x 8	I <sup>2</sup> C	400	400	1.7	5.5	1	1	-40	85	SOIC-8
	Halide free							-							
CAT24C64YI-GT3	Pb-free	Active	Serial	64 kb	8k x 8	I <sup>2</sup> C	400	-	1.7	5.5	1	1	-40	85	TSSO P-8
	Halide free							400							

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Created on: 9/16/2019