

## Product Overview

### CAT24AA01: EEPROM Serial 1-Kb I<sup>2</sup>C

For complete documentation, see the data sheet.

The CAT24AA01 is a EEPROM Serial 1-Kb I2C device internally organized as 128x8 bits. This device features a 16-byte page write buffer and support the Standard (100 kHz), Fast (400 kHz) and Fast-Plus (1 MHz) I2C protocols. In contrast to the CAT24C01, the CAT24AA01 has no external address pins, and is therefore suitable in applications that require a single CAT24AA01 on the I2C bus.

### Features

- Supports Standard and Fast I2C Protocol
- 1.7 V to 5.5 V Supply Voltage Range
- 16-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

For more features, see the data sheet

### 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>act</sub> Max (mA)	T Min (°C)	T Max (°C)	Package Type
CAT24AA01TDI-GT3	0.1533	Pb-free Halide free	Active	Serial	1 kb	128k x 8	I2C	400	-	1.7	5.5	1	1	-40	85	TSO T-23-5

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