Product Overview

CAT24AA08: EEPROM Serial 8-Kb I^{2}C

For complete documentation, see the data sheet.

The CAT24AA08 is an 8-kb CMOS Serial EEPROM device internally organized as 1024x8 bits. It features a 16-byte page write buffer and supports 100 kHz, 400 kHz and 1 MHz I^{2}C protocols.
In contrast to the CAT24C04/24C08, the CAT24AA04/24AA08 have no external address pins, and are therefore suitable in applications that require a single CAT24AA04/08 on the I^{2}C bus.

Features

- Standard and Fast I^{2}C Protocol Compatible
- Supports 1MHz Clock Frequency
- 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 I^{2}C Bus Inputs (SCL and SDA)
- Low Power CMOS Technology
- 1,000,000 Program/Erase Cycles
- 100 Year Data Retention
- Industrial Temperature Range
  For more features, see the data sheet

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
CAT24AA08TDI-GT3	Pb-free Halide free	Active	Serial	8 kb	1k x 8	I2C	1000	-	1.7	5.5	1	1	-40	85	TSOT-23-5

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