

## Product Overview

### CAV24C64: EEPROM Serial 64-Kb I<sup>2</sup>C - Automotive Grade

For complete documentation, see the data sheet.

The CAV24C64 is a EEPROM Serial 64-Kb I<sup>2</sup>C devices, internally organized as 8192 words of 8 bits each.

It features a 32-byte page write buffer and supports the Standard (100 kHz) and Fast (400 kHz) I<sup>2</sup>C protocol.

External address pins make it possible to address up to eight CAV24C64 devices on the same bus.

#### Features

- Automotive Temperature Grade 1 (-40°C to +125°C)
  - 2.5 V to 5.5 V Supply Voltage Range
  - This Device is Pb-Free, Halogen Free/BFR Free, and RoHS Compliant
  - Supports Standard and Fast I<sup>2</sup>C Protocol
  - 32-Byte Page Write Buffer
  - Hardware Write Protection for Entire Memory
  - CAV Prefix for Automotive and Other Applications Requiring Site and Change Control
  - 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
- For more features, see the data sheet

#### Benefits

- Allows the use in safety critical application.
- Single power supply from 2.5V to 5.5V. Functional over the entire temperature range.
- Space-Efficient Packaging

#### Applications

- Immobilizer unit
- Seat control unit
- Wiper module
- Fan control unit
- Park assist unit

### 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
CAV24C64C4CTR	AEC Qualified PPAP Capable Pb-free Halide free	Active	Serial	64 kb	8k x 8	I2C	400	900	2.5	5.5	5	2	-40	125	WLCS P-4
CAV24C64WE-GT3	AEC Qualified PPAP Capable Pb-free Halide free	Active	Serial	64 kb	8k x 8	I2C	400	900	2.5	5.5	5	2	-40	125	SOIC-8
CAV24C64YE-GT3	AEC Qualified PPAP Capable Pb-free Halide free	Active	Serial	64 kb	8k x 8	I2C	400	900	2.5	5.5	5	2	-40	125	TSSOP-8

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