Product Overview

NV24C64: EEPROM Serial 64-Kb I^2C - Automotive Grade

For complete documentation, see the data sheet.

The NV24C64 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) and Fast (400 kHz) I2C protocol.External address pins make it possible to address up to eight NV24C64 devices on the same bus.

Features

- This Device is Pb-Free, Halogen Free/BFR Free, and RoHS Compliant
- 1.7 V to 5.5 V Supply Voltage Range
- Automotive Temperature Grade 2 (-40°C to +105°C)
- Supports Standard, Fast and Fast-Plus I2C Protocol
- 32-Byte Page Write Buffer
- Hardware Write Protection for Entire Memory
- NV Prefix for Automotive and Other Applications Requiring Site and Change Control
- Schmitt Triggers and Noise Suppression Filters on I2C Bus Inputs(SCL and SDA)
- Low Power CMOS Technology
- 1,000,000 Program/Erase Cycles

For more features, see the data sheet

Benefits

- Space-Efficient Packaging

Applications

- Door module
- Seat control unit
- Immobilizer unit
- Wiper module
- Fan control unit

End Products

- Automotive

Part Electrical Specifications

Product	Pricing ($/Unit)	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
NV24C64DTUTG		AEC Qualified PPAP Capable Pb-free Halide free	ProductPreview	Serial	64 kb	8k x 8	I2C	1000	400	1.7	5.5	2	1	-40	105	TSSOP-8
NV24C64DWUTG		AEC Qualified PPAP Capable Pb-free Halide free	ProductPreview	Serial	64 kb	8k x 8	I2C	1000	400	1.7	5.5	2	1	-40	105	SOIC-8

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

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