

Product Overview

NV24C64WF: EEPROM Serial 64-Kb I²C - Automotive Grade

For complete documentation, see the data sheet.

The NV24C64WF is a EEPROM Serial 64-Kb I²C - Automotive Grade devices, internally organized as 8192 words of 8 bits each in a small-footprint Wettable Flank UDNF-8 package.

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

- Automotive Temperature Grade 1 (-40°C to +125°C)
 - 2.5 V to 5.5 V Supply Voltage Range
 - Wettable Flank UDNF Package Supports Auto-Optical Inspection
 - Supports Standard and Fast 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

- Allows the use in safety critical application
- Single power supply from 2.5 V to 5.5 V, functional over the entire temperature range
- Space-efficient packaging

Applications

- Door module
- Seat control unit
- Body computer & energy management unit
- Immobilizer unit
- Wiper module

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
NV24C64MUW3VTBG	AEC Qualified PPAP Capable Pb-free Halide free	Active	CMOS	64 kb	8k x 8	I2C	400	900	1.8	5.5	5	2	-40	125	UDFN-8

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Created on: 3/19/2019