

with NC

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|---------------|---------------------------------------|
| Manufacturers | ON Semiconductor, LLC |
| Package/Case | SOIC-8 |
| Product Type | Interface ICs |
| RoHS | |
| Lifecycle | |



Images are for reference only

Please submit RFQ for NCV7344AD10R2G or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The NCV7344 CAN transceiver is the interface between a controller area network (CAN) protocol controller and the physical bus. The transceiver provides differential transmit capability to the bus and differential receive capability to the CAN controller. The NCV7344 is an addition to the CAN high-speed transceiver family complementing NCV734x CAN stand-alone transceivers and previous generations such as AMIS42665, AMIS3066x, etc. The NCV7344 guarantees additional timing parameters to ensure robust communication at data rates beyond 1 Mbps to cope with CAN flexible data rate requirements (CAN FD). These features make the NCV7344 an excellent choice for all types of HS-CAN networks, in nodes that require a low-power mode with wake-up capability via the CAN bus.

Features

Compatible with ISO 11898–2:2016

CAN FD timing specified up to 5 Mbps

VIO pin on NCV7344–3 Version Allowing Direct Interfacing with 3 V to 5 V Microcontrollers

Very Low Current Standby Mode with Wake–up via the Bus

Low Electromagnetic Emission (EME) and High Electromagnetic Immunity

Very Low EME without Common–mode (CM) Choke

No Disturbance of the Bus Lines with an Un–powered Node

Transmit Data (TxD) Dominant Timeout Function

Under All Supply Conditions the Chip Behaves Predictably

Very High ESD Robustness of Bus Pins, >8 kV System ESD Pulses

Thermal Protection

Bus Pins Short Circuit Proof to Supply Voltage and Ground

Bus Pins Protected Against Transients in an Automotive Environment

These are Pb–free Devices

Application

ONSEMI

Related Products



[NCV7340D14R2G](#)

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[NCV7351FD13R2G](#)

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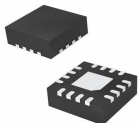
[NCV7344AMW3R2G](#)

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