

High Speed CAN Transceiver

Manufacturers	ON Semiconductor, LLC
Package/Case	SOP8
Product Type	Interface ICs
RoHS	AEC Qualified PPAP Capable Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for NCV7351D10R2G or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The NCV7351 CAN transceiver is the interface between a controller area network (CAN) protocol controller and the physical bus and may be used in both 12 V and 24 V systems. The transceiver provides differential transmit capability to the bus and differential receive capability to the CAN controller. The NCV7351 is an addition to the CAN high-speed transceiver family complementing NCV734x CAN stand-alone transceivers and previous generations such as AMIS42665, AMIS3066x, etc. Due to the wide common-mode voltage range of the receiver inputs and other design features, the NCV7351 is able to reach outstanding levels of electromagnetic susceptibility (EMS). Similarly, extremely low electromagnetic emission (EME) is achieved by the excellent matching of the output signals.

Features

Compatible with the ISO 11898-2 Standard

High Speed (up to 1 Mbps)

VIO Pin on NCV7351D13 Version Allowing Direct Interfacing with 3V to 5V Microcontrollers

EN Pin on NCV7351D1E Version Allowing Switching the transceiver to a Very Low Current OFF Mode

Excellent Electromagnetic Susceptibility (EMS) Level Over Full Frequency Range. Very Low Electromagnetic Emissions (EME) Low EME also Without Common Mode (CM) Choke

Bus Pins Protected Against >15 kV System ESD Pulses

Transmit Data (TxD) Dominant Time-out Function

Under all Supply Conditions the Chip Behaves Predictably. No Disturbance of the Bus Lines with an Unpowered Node

Bus Pins Short Circuit Proof to Supply Voltage and Ground

Bus Pins Protected Against Transients in an Automotive Environment

Thermal Protection

NCV Prefix for Automotive and Other Applications Requiring Unique Site and Control Change Requirements; AEC-Q100 Qualified and PPAP Capable

These are Pb-Free Devices

VHDL-AMS model available upon request

Application

ONSEMI

Related Products



[NCV7340D14R2G](#)

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[NCV7351FD13R2G](#)

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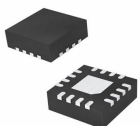
[NCV7344AMW3R2G](#)

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[NCN5150MNTWG](#)

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20-VFQFN



[NC7WB66L8X](#)

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MicroPak-8



[NCV7356D2R2G](#)

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