

Single Wire CAN Transceiver, Network Controller & Processor IC SINGLE WIRE CAN

Manufacturers	<a href="#">ON Semiconductor, LLC</a>
Package/Case	SOIC-14
Product Type	Interface ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for NCV7356D2R2G or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The NCV7356 is a physical layer device for a single wire data link capable of operating with various Carrier Sense Multiple Access with Collision Resolution (CSMA/CR) protocols such as the Bosch Controller Area Network (CAN) version 2.0. This serial data link network is intended for use in applications where high data rate is not required and a lower data rate can achieve cost reductions in both the physical media components and in the microprocessor and/or dedicated logic devices which use the network. The network shall be able to operate in either the normal data rate mode or a high-speed data download mode for assembly line and service data transfer operations. The high-speed mode is only intended to be operational when the bus is attached to an off-board service node. This node shall provide temporary bus electrical loads which facilitate higher speed operation. Such temporary loads should be removed when not performing download operations. The bit rate for normal communications is typically 33 kbit/s, for high-speed transmissions like described above a typical bit rate of 83 kbit/s is recommended. The NCV7356 is designed in accordance to the Single Wire CAN Physical Layer Specification GMW3089 V2.3 and supports many additional features like undervoltage lockout, timeout for faulty blocked input signals, output blanking time in case of bus ringing and a very low sleep mode current.

## Features

Fully Compatible with J2411 Single Wire CAN Specification

60 uA max sleep current

100 kbps high speed mode capable

Operating voltage range 5.0 to 27 V

40 kbps bus speed

Selective BUS wake up

3.3 V and 5 V compatible logic inputs

Inhibit pin to control external voltage regulators

Standby to sleep mode timeout

Fully integrated receiver filter

Loss of ground protection

Bus dominant timeout

Undervoltage lockout

Bus terminals proof against short circuits and transients

## Application

ONSEMI

## Related Products



[NCV7340D14R2G](#)

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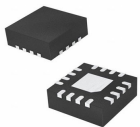
[NCV7344AMW3R2G](#)

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