

## Product Overview

### NCV7340: CAN Transceiver, High Speed, Low Power

For complete documentation, see the data sheet.



The NCV7340 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 NCV7340 is a new addition to the CAN high-speed transceiver family and is an improved drop-in replacement for the AMIS-42665 (AMIS42665TJAA1RG). Due to the wide common-mode voltage range of the receiver inputs, the NCV7340 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 Standard (ISO 11898 and SAE J2284)
- Low Quiescent Current
- High Speed (up to 1 Mbps)
- Ideally Suited for 12 V and 24 V Industrial and Automotive Applications
- Extremely Low Current Standby Mode with Wakeup via the Bus
- Low EME CommonMode Choke is No Longer Required
- Voltage Source via VSPLIT Pin for Stabilizing the Recessive Bus Level (Further EMC Improvement)
- No Disturbance of the Bus Lines with an Unpowered Node
- Transmit Data (TxD) Dominant Timeout Function
- Thermal Protection

For more features, see the data sheet

### Applications

- In-Vehicle Networking
- Industrial Networking

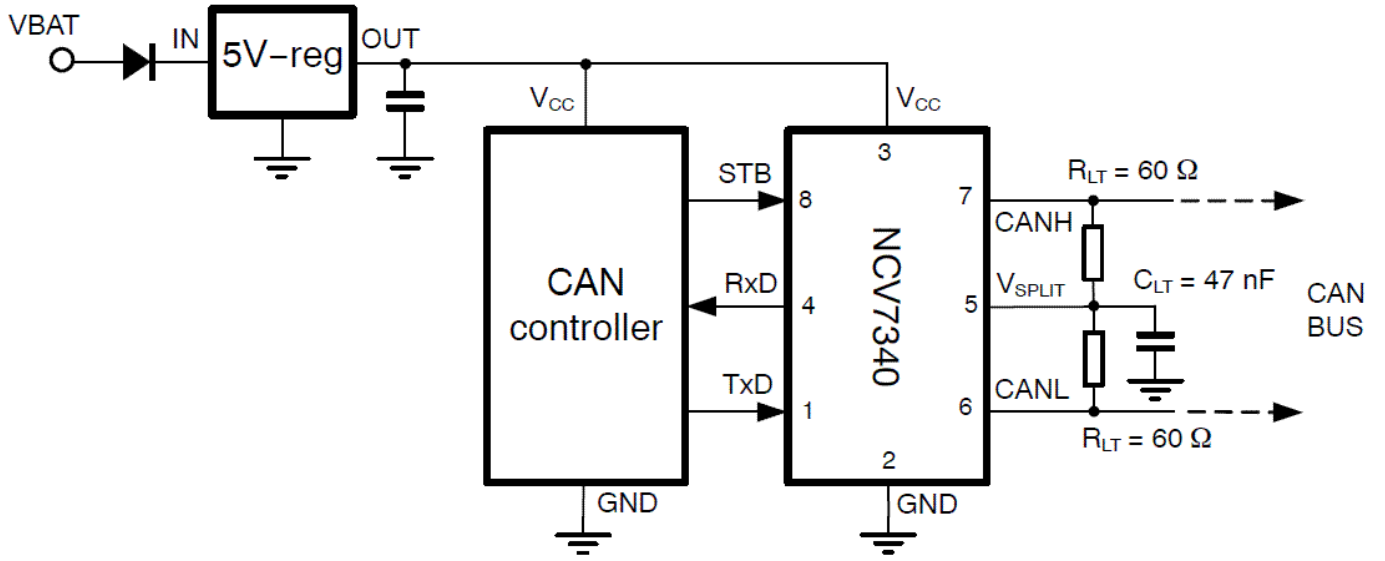
### End Products

- Automobiles
- Industrial Equipment

### Part Electrical Specifications

Product	Compliance	Status	Data Transmission Standard	Data Rate	Number of Drivers	Number of Receivers	V <sub>CC</sub> Min (V)	V <sub>CC</sub> Max (V)	t <sub>PLH</sub> Max (μs)	I <sub>O</sub> Max (μA)	I <sub>IH</sub> Max (mA)	Package Type
NCV7340D14R2G	AEC Qualified PPAP Capable Pb-free Halide free	Active	CAN	1 Mb/s	1	1	4.75	5.25				SOIC-8

# Application Diagram



For more information please contact your local sales support at [www.onsemi.com](http://www.onsemi.com).

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