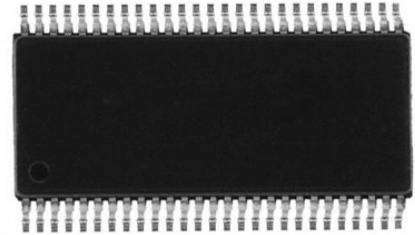


CAN Interface IC TRANSCEIVER

Manufacturers	Infineon Technologies Corporation
Package/Case	8-SOIC (0.154, 3.90mm Width)
Product Type	Interface ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for TLE9250VSJXUMA1 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The TLE9250VSJ is the latest Infineon High Speed CAN transceiver generation, used inside HS CAN networks for automotive and also for industrial applications. It is designed to fulfill the requirements of the current ISO11898 standard (ISO11898-2 from 2003) and also the upcoming new version of ISO 11898-2 (2016) physical layer specification. Additionally it also fulfills the SAE standards J1939 and J2284-4/5. The TLE9250VSJ is offered in the standard PG-D80-8 package, but is also available in a tiny, leadless PG-TSON-8 package, called TLE9250VLE. Both packages are RoHS compliant and halogen free. Additionally the PG-TSON-8 package supports the solder joint requirements for reliable automated optical inspection (AOI). As an interface between the physical bus layer and the HS CAN protocol controller, the TLE9250VSJ protects the microcontroller against interferences generated inside the network. A very high ESD robustness and the perfect RF immunity allows the use in automotive application without adding additional protection devices, like suppressor diodes for example. Based on the high symmetry of the CANH and CANL output signals, the TLE9250VSJ provides a very low level of electromagnetic emission (EME) within a wide frequency range. The TLE9250VSJ fulfills even stringent EMC test limits without additional external circuit, like a common mode choke for example. The perfect transmitter symmetry combined with the optimized delay symmetry of the receiver enables the TLE9250VSJ to support CAN FD data frames. Depending on the size of the network and the along coming parasitic effects the device supports bit rates up to 5 MBit/s. Fail-safe features like overtemperature protection, output current limitation or the TxD timeout feature protect the TLE9250VSJ and the external circuitry. While the transceiver TLE9250VSJ is not supplied, the bus is switched off and illustrate an ideal passive behavior with the lowest possible load to all other nodes of the High-Speed CAN network.

Features

Fully compliant to ISO 11898-2 (2016)

Guaranteed loop delay symmetry to support CAN FD data frames up to 5 MBit/s

Very low electromagnetic emission (EME) allows the use without additional common mode choke

VIO input for voltage adaption to the microcontroller interface (3.3V or 5V)

Power-save mode

Also available in tiny, leadless PG-TSON-8 package ready for automated optical inspection (AOI)

Excellent ESD robustness

Extended supply range on the VCC

TxD time-out function

Wide common mode range for electromagnetic immunity (EMI)

Very low CAN bus leakage current in power-down state

Related Products



[TLE6251-3G](#)

Infineon Technologies Corporation
SOP-14



[TLE7251VLE](#)

Infineon Technologies Corporation
TSON8



[TLE8261E](#)

Infineon Technologies Corporation
SSOP36



[TLE6250GV33](#)

Infineon Technologies Corporation
SOP-8



[TLE7250GVIO](#)

Infineon Technologies Corporation
8-SOIC (0.154", 3.90mm Width)



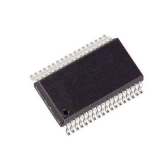
[TLE7250G](#)

Infineon Technologies Corporation
SOP-8



[TLE6259-2G](#)

Infineon Technologies Corporation
SOP-8



[TLE8264E](#)

Infineon Technologies Corporation
SSOP36