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HS-CAN transceiver with integrated galvanic isolation. The TJF1052i high-speed controller area network (HS-CAN) transceiver provides a galvanically isolated interface between a CAN protocol controller and the physical two- wire HS-CAN bus. It is specifically aimed at industrial applications, where galvanic isolation is necessary to bridge CAN communication between different voltage domains.

HS-CAN transceiver with integrated galvanic isolation

HS-CAN transceiver with integrated galvanic isolation. Key features. ` 5 kV (RMS) rated isolation voltage, compliant with UL1577, IEC61010 and IEC60950 ` Suitable for 12 V and 24 V systems; compatible with 3 V to 5 V microcontrollers ` Low electromagnetic emission (EME) and high EMI ` Supports ISO6469 ‘ Electrically propelled road vehicles.

HS-CAN transceiver with integrated galvanic isolation

The HS CAN-transceiver family TLE6250 (TLE6250G and TLE6250GV33) are monolithic integrated circuits that are available as bare die as well as in a PG-DSO-8 package. The ICs are optimized for high speed differential mode data transmission in automotive and industrial applications and they are compatible to ISO/DIS 11898.

Hs Can Transceiver With Integrated Galvanic Isolation

HS-CAN transceiver with integrated galvanic isolation CAN Transceivers Our broad CAN and CAN FD portfolios cover all CAN functions and power modes with high EMC performance, great quality, and a multi-sourced industrial base. Disruptive innovation in this area opens the door to larger, more flexible and more secure automotive networks in the

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Bookmark File PDF Hs Can Transceiver With Integrated Galvanic IsolationESD protection for a variety of applications. CAN Transceivers - Maxim Integrated Overview. The UJA1161ATK is a ‘ self-supplied ’ high-speed CAN transceiver with Standby mode integrating an ISO 11898-2:2016 and SAE J2284-1 to SAE J2284-5 compliant HS-CAN transceiver

Hs Can Transceiver With Integrated Galvanic Isolation

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TLE6250G - Infineon Technologies

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CAN transceivers interface between the CAN protocol controller and the physical wires of the CAN bus lines. Our high-speed and low-speed controller area network transceivers offer, integrated isolation, high ESD and high fault protection with value-added features specified by the ISO 11898 standard. Our CAN ICs have integrated protection for more robust communication and handle the CAN bus connection with high ESD protection for a variety of applications.

CAN Transceivers - Maxim Integrated

Abstract: This application note solves a very common problem of powering an automotive electronic control unit (ECU) with only a 3.3V supply. The ISO 11898-2 standard stipulates that only a 5V power supply rail powers the CAN transceiver. This article shows how an automotive CAN transceiver can be supplied with a 3.3V charge pump to provide a low power, low-voltage, and easy solution to this ...

Achieve ISO 11898-2-Compliant 5V HS-CAN C - Maxim Integrated

The TLE8250G is a High Speed CAN transceiver, operating as an interface between the CAN controller and the physical bus medium. A HS CAN network is a two wire, differential network which allows data transmission rates up to 1 MBit/s. Characteristic for a HS CAN network are the two sign al states on the CAN bus: “ Dominant ”

TLE8250G High Speed CAN-Transceiver
Overview Decription The TLE9252V is a transceiver designed for HS CAN networks up to 5 Mbit/s in automotive and industrial applications. As an interface between the physical bus layer and the CAN protocol controller, the TLE9252V drives the signals to the bus and protects the microcontroller against interferences generated within the network.

Product Name - Farnell
The optoCAN-HS system can be used for the bidirectional optical transmission of CAN-signals with transmission rates of up to 1Mbit/s. It consists of two identical battery supplied transceivers connected to each other with an optical fiber. With the optical transmission and the shielded case, the system is well equipped for EMI and EME tests.

optoCAN-HS
To support these applications the TLE 7263E covers smart po wer functions such as HS- CAN transceiver and LIN transceiver for data transmission, dual low dropout voltage regulator (LDO) for external 5 V supply, and high-side switch as well as a 16-bit SPI (serial peripheral interface) to control and monitor the IC.

TLE7263 DS 171
Merely said, the hs can transceiver with integrated galvanic isolation is universally compatible similar to any devices to read. Automotive Ethernet-Kirsten Matheus 2014-11-27 Learn how automotive Ethernet is revolutionizing in-car networking from the experts at the core of its development.