CAN bus optical receiver

Overview

This receiver allows to sample lap time in the traditional way but using the CAN bus protocol. This is useful, for example, when the GPS receiver cannot be used. Achieve high performance, reliable protection, and certified electromagnetic compatibility (EMC) for Controller Area Network (CAN) communications, including Flexible Data Rate (CAN FD), Signal Improvement Capability (CAN SIC), and emerging CAN XL. Our portfolio provides solutions for 12V, 24V, and. The TLE9250 is the latest Infineon high-speed CAN transceiver generation, used inside HS CAN networks for automotive and also for industrial applications. Worldwide compatible multi-band radio. These devices are compliant with the latest ISO 11898-2 (2016) specification and meet global EMC performance levels as certified by external third-party test houses.

Article Content

CAN bus over fiber

Author Topic: CAN bus over fiber - How can it be done? (Read 17628 times) 0 Members and 1 Guest are viewing this topic.

CAN and Optical Distances

CAN and Optical Distances, CAN USB Interface, CAN FD USB Interface, CAN PCIe Interface, CAN Repeaters, CAN Gateways, CAN Bridges, CAN Fiber Optic Converter.

CAN transceivers | TI

Featuring data speeds up to 5Mbps and reliable bus fault protection, these devices are also fully interoperable with 5V CAN transceivers, enabling flexibility and seamless integration with other CAN

CAN Bus to Fiber Optic Converter (New Model)

CAN to Fiber Optic Converter made by BE with strong performance, it can support both 1Mbps high baud rate and 20km far distance simultaneously.

CAN Transceivers | Microchip Technology

Our stand-alone, radiation-tolerant, high-speed CAN FD transceiver for space applications interfaces a CAN protocol controller and the two-wire CAN bus and

Optical Transmitter and Receiver XYOES-013

XYOES-013 CAN optical transmitter and receiver is a kind of industrial class can bus optical transmitter and receiver, integrated with one circuit of standard fiber

A long-distance CAN bridge: optical fiber to CAN modules

By using the GCAN-208 series optical fiber to CAN modules in pairs, you can easily extend the CAN bus communication distance and effectively eliminate long

Optical CAN receiver

This receiver allows to sample lap time in the traditional way but using the CAN bus protocol. This is useful, for example, when the GPS receiver cannot be used.

CAN Bus Fiber Optic Transceiver CTrans OL

CTrans OL CAN Fiber Optic transceiver provides transparent transmission of CAN signals between copper based sections via an optical fiber. Several technical

Check out our receiver for CAN Bus communication

The MPCAN from Danfoss is our specialized receiver for machinery controlled by CAN Bus communication where constant information exchange is necessary.

How to design a robust automotive CAN system

To comply with the high-level of reliability required by the automotive industry and the various surges and standards applicable on CAN links, the CAN transceivers and the electronics components part of

How to Design an Isolated CAN Port for Space Constrained Industrial ...

The ISO1042 CAN Flexible Data Rate (FD) transceiver with +/-70-V bus fault protection offers 5-kVrms basic or reinforced isolation in a 16-DW and space saving 8-DWV package for high-voltage applications.

Optical CAN Bus Adapter (PCAN-Optoadapter)

Is this CAN bus opto-isolator compliant? Yes, the PCAN-Optoadapter complies with the ISO 11898-2 standard for CAN communication, ensuring compatibility with

Research and Design on the Can Bus Optical Fiber Communication ...

The CAN bus data communication module is increasingly widely used in the maintenance robots for coal mine mechanical and electrical equipment. In response to the issue of susceptibility to

optoCAN-FD

opto CAN-FD The optoCAN-FD system can be used for the optical transmission of highspeed CAN signals with transmission rates of up to 8 Mbit/s. The system

Enhancing CAN systems with optical fiber links

This article discusses technical solutions and application examples for CAN-based systems, which combine electrical CAN segments with fiber optic

The CAN Repeater with Optical Fiber Link

Hiroshi Arita1, Tetsuaki Nakamikawa1, Hiroaki Fukumaru2 Abstract We have developed optical CAN repeaters that connect two electrical buses with a pair of optical fibers. The repeater has a circuit that

How to design a robust automotive CAN system

How to design a robust automotive CAN system Introduction Controller area network (CAN) communication bus is extremely popular in the automotive industry. On top of standalone CAN

Infineon-TLE9250-DS-v01_11-EN

As shown in Figure 1, the HS CAN transceiver TLE9250 includes a receiver and a transmitter unit, allowing the transceiver to send data to the bus medium and monitor the data from the bus medium

Optical CAN Bus Adapter (PCAN-Optoadapter)

PEAK-System PCAN-Optoadapter - Part # IPEH-002038. Electrically decouple CAN bus systems with this general-purpose, high quality, plug-in optical CAN bus

CAN over Fiber – Traquair Data Systems, Inc.

CAN over Fiber Several technical improvements can be obtained by optical connections within CAN systems with the use of an optical transceiver, such as

CAN Bus receiver

Find your can bus receiver easily amongst the 50 products from the leading brands (CHCNAV, ComNav Tech, Autec, ...) on DirectIndustry, the industry specialist for

CAN to fiber optic converters, DLCAN/DLCAN-R

The DLCAN/DLCAN-R series represents a line of CAN to Fiber Optic Converters, designed to connect CAN field bus networks (e.g., CAN, CANopen, DeviceNet)

CAN-bus to Multimode converter, DL-CAN

The DL-CAN units connect CAN field bus networks (e.g. CAN, CANopen, DeviceNet) via fiber optics. This innovative system allows creating optical bus, star and tree

Fiber-Optic CAN bus Extenders

Fiber-Optic CAN bus Extenders WRC-CANR-DF WRC CAN bus Extenders boost signal levels, allowing longer cable lengths, longer trunk lines,

Optical Receivers: A Comprehensive Guide

Explore the world of optical receivers and their significance in optical communications, including their types, applications, and key considerations.

Contact Us

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