

## BASIC FlexRay™ TRANSCEIVER

E910.54

## **Features**

- ► Part of the FlexRay<sup>™</sup> electrical, physical layer
- Interface between the communication controller and the transfer medium (twisted pair bus line)
- Supports data rates up to 10 MBaud
- Enhanced diagnosis capability provided via SPI with interrupt generation
- Protection against overload damage by current limitation and over temperature detection
- ▶ Bus driver outputs withstand 27 V / + 40 V DC voltage
- ▶ Low EME due to balanced differential transmission
- TSSOP14 package

## **General Description**

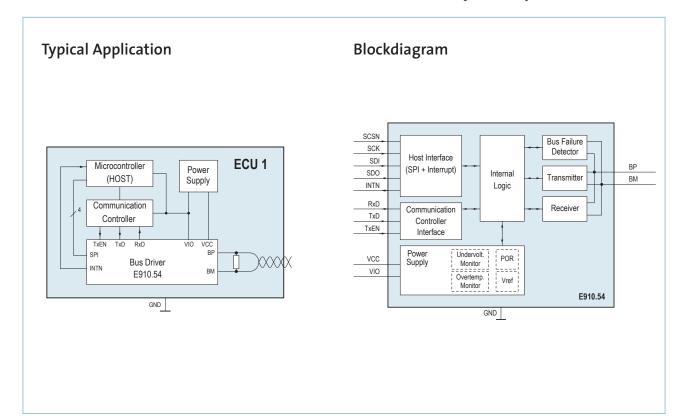
The low cost basic FlexRay™ transceiver is part of the electrical, physical layer in a FlexRay™ communication network. The E910.54 provides an interface between the twisted pair physical bus medium and a communication controller (CC). An SPI interface connects the bus driver (BD) to a host controller (HOST) to provide status information concerning failure detection on the bus lines (e.g. short-circuits, ground loss) and over temperature condition. An interrupt signal is generated whenever the failure status changes.

## **Applications**

► Transceiver in FlexRay™ nodes (ECUs)



ELMOS is a member of the FlexRay consortium



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