PCAN-TJA1054

Product Overview

The PCAN-TJA1054 bus converter establishes a connection between a High-speed CAN bus (ISO 11898-2) and a Low-speed CAN bus (ISO 11898-3). One of the most important potential applications of the bus converter is a simple connection between a PEAK CAN interface (e.g., PCAN-USB) and a Low-speed CAN bus.

Specifications

- Adapter from High-speed CAN to Low-speed CAN
- Bit rates up to 125 kbit/s
- CAN transceiver NXP PCA82C251 and TJA1055
- Termination resistors for Low-speed CAN can be switched (560 Ohm / 5.66 kOhm)
- Power LED
- Error LED (Low-speed CAN)
- CAN bus connection via D-Sub, 9-pin (in accordance with CiA® 106)
- 5-Volt power supply through pin 1 of the High-speed CAN connection (nearly all CAN interfaces by PEAK-System can provide the required supply)
- Extended operating temperature range from -40 to +85 °C (-40 to +185 °F)

Pin Assignments

Male D-Sub Connector (Low-speed CAN - TJA1055):

Pin	Assignment
1	Not connected

2	CAN-L
3	GND
4	Not connected
5	Not connected
6	GND
7	CAN-H
8	Not connected
9	Not connected

Female D-Sub Connector (High-speed CAN - 82C251):

Pin	Assignment
1	5V Power supply
2	CAN-L
3	GND
4	Not connected
5	Not connected
6	GND
7	CAN-H
8	Not connected
9	Not connected

Scope of Supply

- Adapter in plastic casing
- Manual in PDF format

Ordering Information

Designation	Part No.
PCAN-TJA1054	IPEH-002039