

PCAN-TJA1054

Bus Converter High-Speed CAN to Low-Speed CAN

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)

Male D-Sub Connector	Pin	Pin assignment Low-speed CAN (TJA1055)
	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	Pin	Pin assignment High-speed CAN (82C251)
	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

Ordering information

Designation	Part No.
PCAN-TJA1054	IPEH-002039

Scope of supply

- ___ Adapter in plastic casing
- ___ Manual in PDF format