PCAN-AU5790

Bus Converter High-Speed CAN to Single-Wire CAN

Product Overview

The PCAN-AU5790 bus converter establishes a connection between a High-speed CAN bus (ISO 11898-2) and a Single-wire CAN bus (SAE J2411). 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 Single-wire CAN bus.

Specifications

- • Three different operating modes for the SW-CAN side set via a sliding switch: Normal (33.3 kbit/s), High-speed (83.3 kbit/s), and Wake-up
- • Indicator LEDs for power supply (red) and wake-up signals (yellow)
- • 5-Volt power supply (150 mA) through HS-CAN connection (a list of PEAK CAN interfaces with suitable supply voltage is available on request)
- • If the power supply output is lower than 150 mA, an additional 12-Volt supply is needed via the SW-CAN connector
- • Operating temperature range from 0 to 70 °C (32 to 158 °F)

Ordering Information

Designation	Part No.
PCAN-AU5790	IPEH-002040

Scope of Supply

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

Pin Assignments

Male D-Sub Connector (Single-wire CAN - AU5790):

Pin	Assignment
1	Not connected
2	Not connected
3	GND
4	Not connected
5	CAN
6	GND
7	Not connected
8	Not connected
9	VBAT

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 / optional +5V