Tri-CAN

NOVELLUS
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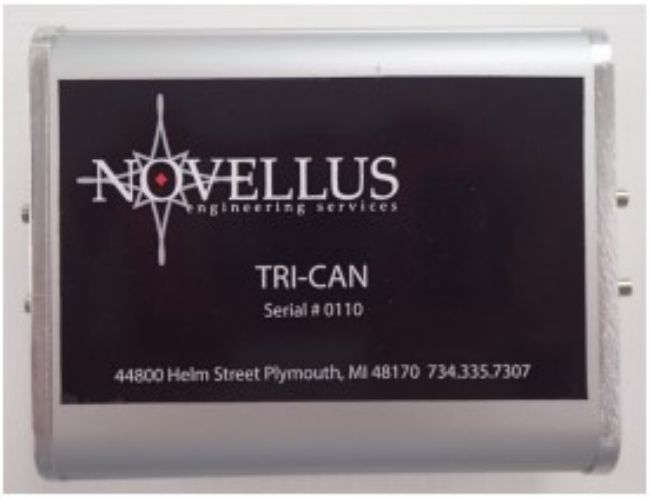

Description:

This module is a CAN monitoring device. The TriCAN tool is a CAN network device that can operate on CAN 2.0B (medium and high speed CAN networks) as well as CAN FD. It has built-in CAN termination that can be turned on or off as required by the network.

Basic Operation:

The Tri-CAN network tool is a flexible CAN network tool that can talk to any medium speed, high speed or CAN FD network. Each tool comes with a USB cable and a OBDII cable. The OBDII cable come with one connector for medium and high speed and one for CAN FD. Custom software can be written for any application or just stream raw CAN data. A Bluetooth interface is built in as well. The Tri-CAN tool conforms to ISO11898-1:2015 standards and will support arbitration bit rates up to 1 Mbps and data rates up to 8Mbps with 32 bit time stamps. The tool can be powered through the USB cable or from the OBDII connection if using Bluetooth. The Tri-CAN tool comes in a hardened aluminum enclosure and utilizes a robust micro DB9 connector for long term durability in field use applications. Let Novellus Engineering Services create a custom software application for you specific use case to improve you data collection and testing.

Selectable Options:

- ◊ USB or Bluetooth interface
- ◊ CAN 2.0B or CAN FD
- ◊ CAN address filtering & masking
- ◊ Sample rate
- ◊ Custom Bluetooth Apps
- ◊ Storage cases

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DB9 Connector Pinouts:

(1) N/C

(2) CAN FD LOW

(3) GND

(4) N/C

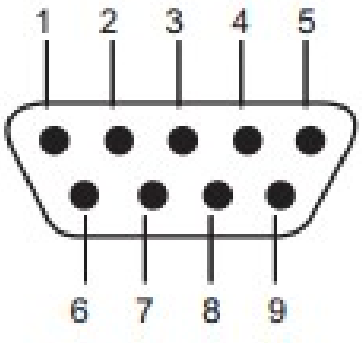
(5) N/C

(6) GND

(7) CAN FD HIGH

(8) N/C

(9) +12V INPUT



Electrical Specifications:

Signal	Minimum	Maximum
Input Voltage through the OBDII Connections	+5.35 VDC	+16 VDC
Input Power through the USB Connection	+4.75 VDC	+5.25 VDC
Operational Temperature Range	-40ºC	+85ºC
Sleep Current	10µA	
Arbitration Rate		1 Mbps
Data Rate		8 Mbps
FIFO Configurable Buffers		31
Flexible Filters & Mask Objects		32

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