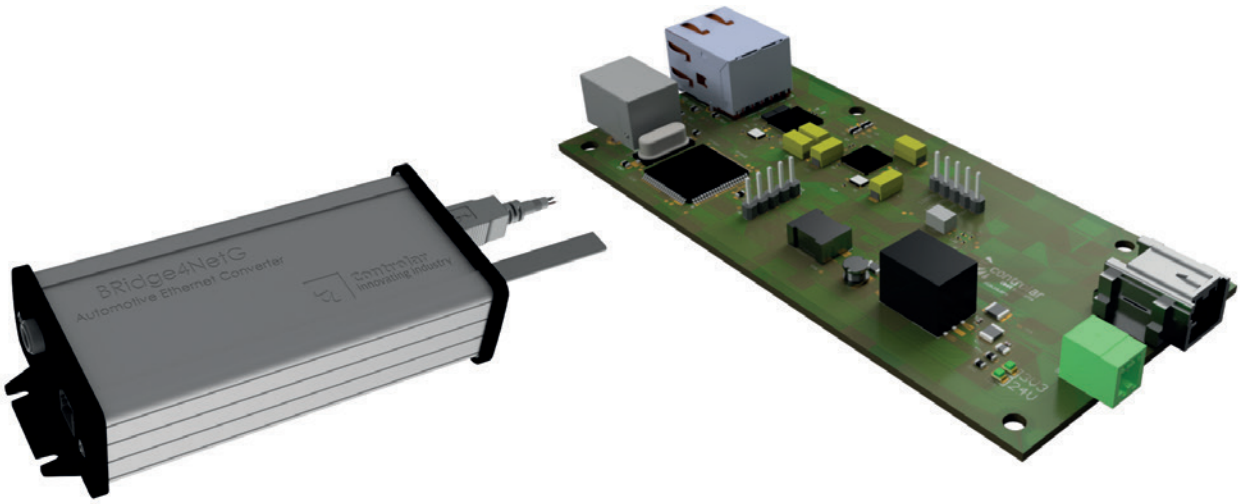
BRIDGE4NETG

Ethernet Test System for Highly Efficient Conversion of Automotive Ethernet

For all test system equipment that requires conversion from Gigabit Automotive Ethernet to conventional Ethernet (1000BASE-T <-> 1000BASE-T1).

Customizable firmware that allows configuration and debug of the ethernet PHYs.



PRODUCT DESCRIPTION

BRidge4NetG was developed to convert conventional Gigabit Ethernet to Automotive Gigabit Ethernet. Featuring link error diagnosis, it is the ideal option for all test systems applications in the automotive industry and/or ATE's suppliers that require conversion to Ethernet.

KEY FEATURES

- Proprietary design and compact housing
- Mounting holes and a flexible power input
- Customized software for debug and maintenance
- RJ45 connector for Ethernet and Molex connector for Automotive Ethernet
- API for LabView™ / Teststand™

PRODUCT CONFIGURATION

The stand-alone version is supplied inside a small box to be used in laboratory or bench.
The bare version is supplied as a barebone PCB to be embedded in a JIG or test equipment.
Both versions can be redesigned to meet specific space constraints or any other specific need.

1 / Simple to integrate and connect
2 / Convenient mounting holes
3 / Wide range power supply
4 / Easy installation, debug and maintenance

MAIN APPLICATIONS

The rigorous development since the very first prototype, makes the BRidge4NetG the best solution for innovative test systems for the automotive industry such as Radar, Lidar, Infotainment, optical systems…
It may be applied in systems such as ICT, functional testing and programming, or any other testing equipment.

TECH SPECS

API
Compatible with Labview™/Teststand™

Communication protocol

/ Ethernet PHY transceivers: MDIO

Marvell PHYs

/ 1000BASE-T to 1000BASE-T1

/ 100BASE-TX to 100BASE-T1

Power supply
Customizable Phoenix connector (within mechanical possibilities)

/ Power cord: standard DC 2.5 mm

/ Voltage: 9-36 DC

/ Frequency: -

/ Current: 1A

Inputs/Output

/ Ethernet connector: RJ45

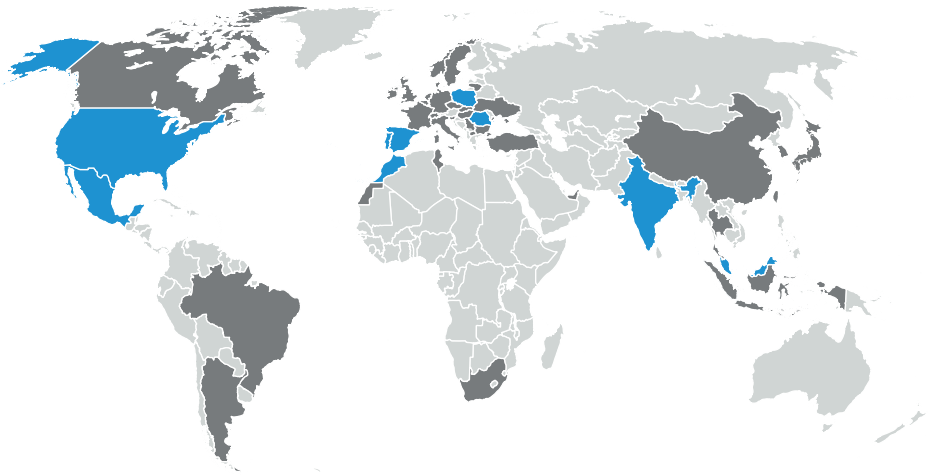
/ Automotive Ethernet connector: Automotive Molex

Mod. 239.BR4NG.EN.D1

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