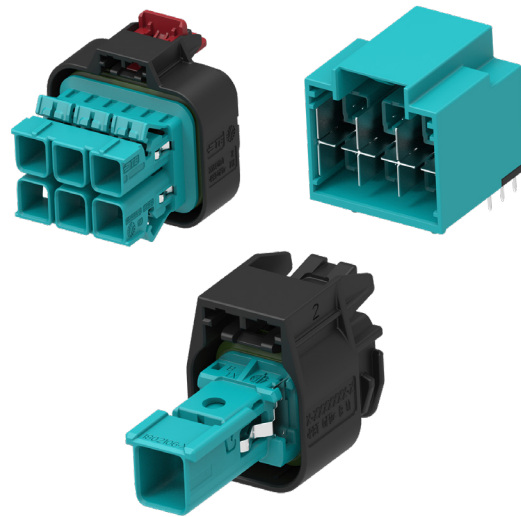## INTRODUCING

MATEnet MODULAR AND SCALABLE MINIATURIZED DATA CONNECTOR SYSTEM

- **Miniaturized Automotive Ethernet Connector System Supports up to 1 Gbps (potential for 4 Gbps with alternative technologies)**

A growth in ADAS and infotainment technologies within vehicles is leading to an increased requirement for complex high-speed data networking architectures based on the IEEE Automotive Ethernet standard. TE Connectivity's MATEnet connector family is modular and scalable connector system, developed for the latest generation of vehicle architectures. Based on proven standard miniaturized terminals and available in shielded (STP) and unshielded (UTP) versions, MATEnet connector meets data transmission requirements according to 100BASE-T1 and 1000BASE-T1. In addition, MATEnet connector uses higher modulation data transmission technologies, enabling it to support data rates up to 4 Gbps.

KEY FEATURES AND BENEFITS

- **Automotive grade robustness**
    - Based on proven NanoMQS terminals system
- **Higher data-rate**
    - Supports up to 1 Gbps (potential for 4 Gbps with alternative technologies)
- **More flexibility**
    - Compatible with Unshielded Twisted Pair (UTP) and Shielded Twisted Pair (STP)
- **Modular and scalable solution**
    - Integrates into existing automotive connectivity interfaces
- **Cost efficient**
    - Design and process aligned for Automotive Ethernet
    - Extensive advanced application supported

* Advanced Driver Assistance System

APPLICATIONS

- In vehicle networking: Ethernet/PCIe
- Rear view camera
- Multimedia (HDBASET)
- Lidar/Radar applications
- Onoard diagnostics
- Surround camera

LEARN MORE

- MATEnet Connector System Landing Page
- MATEnet Modular and Scalable Connectors Brochure
- MATEnet Connector System Whitepaper