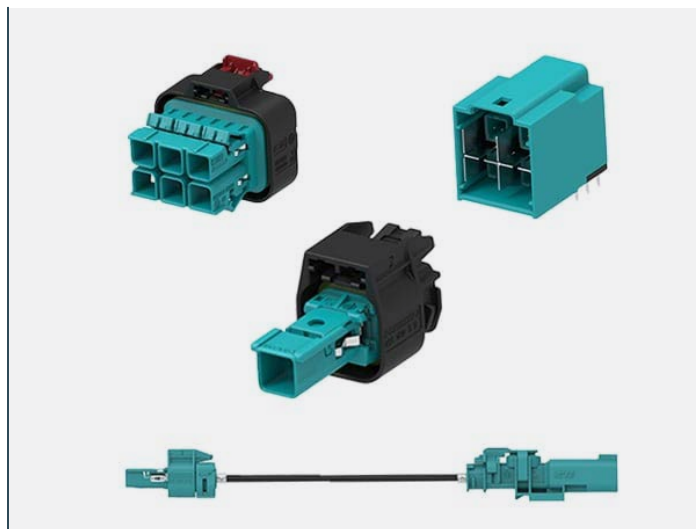


# INTRODUCING MATenet Modular and Scalable Miniaturized Data Connector System

- High data rate supporting up to 1 Gbps
- Modular & Scalable solution adapts to diverse installation requirements



MATenet connector system is TE Connectivity's (TE) modular and scalable connector system, developed for the latest generation of vehicle architectures. Based on our proven NanoMQS terminals system, designed to meet automotive specifications, the MATenet connector system offers automotive grade robustness, ensuring reliable performance in the harsh transportation environments. With both Unshielded Twisted Pair (UTP) and Shielded Twisted Pair (STP) cables available, the MATenet connector system provides varying levels of protection against electromagnetic interference (EMI).

The MATenet connector system can transmit up to 1 Gbps according to the 100BASE-T1 and 1000BASE-T1 (automotive ethernet protocols), enable higher data-rates as well as reduction in cabling weight and costs.

## TARGET MARKETS

- Transportation Solutions
- Automotive
- Industrial Commercial Transportation

## APPLICATIONS

- **Autonomous driving**
  - LiDAR
  - Radar
- **Connected vehicles**
  - High performance computer
  - Domain ECU
  - Zonal controller
- **Infotainment**
  - 4k Displays, 4k screens, heads-up displays, rear seat entertainment

## KEY BENEFITS

- **Robustness and Reliability**
  - MATenet connector system delivers reliable performance in harsh automotive environments
- **Modular and Scalable solution:**
  - The standardized core module (plastic and terminal together) can be assembled into various housing frames
- **Extensive portfolio for diverse applications and installation needs**
  - Available in both unshielded and shielded twisted pair versions, providing varying levels of protection against EMI
  - 1,2,3,4,5 and 6 frames, with double rows option available to fulfill different application requirements
- **Global manufacturing footprint ensures reliable supply and customer services**

## LEARN MORE

- [MATenet Product page](#)
- [Car Connectivity based on Automotive Ethernet Whitepaper](#)
- [MATenet Modular and Scalable Connectors Catalog](#)