



## H-MTD® – High-Speed Modular Twisted-Pair Data

Rosenberger H-MTD® is a fully 360° shielded differential connector system. The new developed system combines high-performance data transmission up to 15 GHz or 20 Gbps and a small package size in a robust automotive grade housing. A big advantage is the modularity of the system which provides a wide range of applications.

### Protocols

- Automotive ethernet
  - 100BASE-T1
  - 1000BASE-T1
  - Multi-Gigabit (up to 10 Gbps)
- SERDES
  - APIX 3
  - FPD Link 4
  - GMSL 2
  - MIPI
- PCIe 4.0
- USB 3.1 Gen 2
- HDBase-T

### Applications

- Camera systems 4K
- Autonomous driving
- Radar
- Lidar
- High-resolution displays 4K
- Rear seat entertainment





## OVERVIEW

### Product Features

- Automotive graded differential connector according LV 214 / USCAR
- Modular packages: standard connector with single, double or quad housings
- High frequency range H-MTD® Interface up to 15 GHz / 20 Gbps
- Watertight versions
- CPA Versions
- Two shielding versions: STP – full 360° shielding and UTP – unshielded version possible
- Realize smallest package combined with high robustness requirements

### Possible Cable Types

- STP – Shielded Twisted Pair cable
- UTP – Unshielded Twisted Pair cable
- SPP – Shielded Parallel Pair cable