

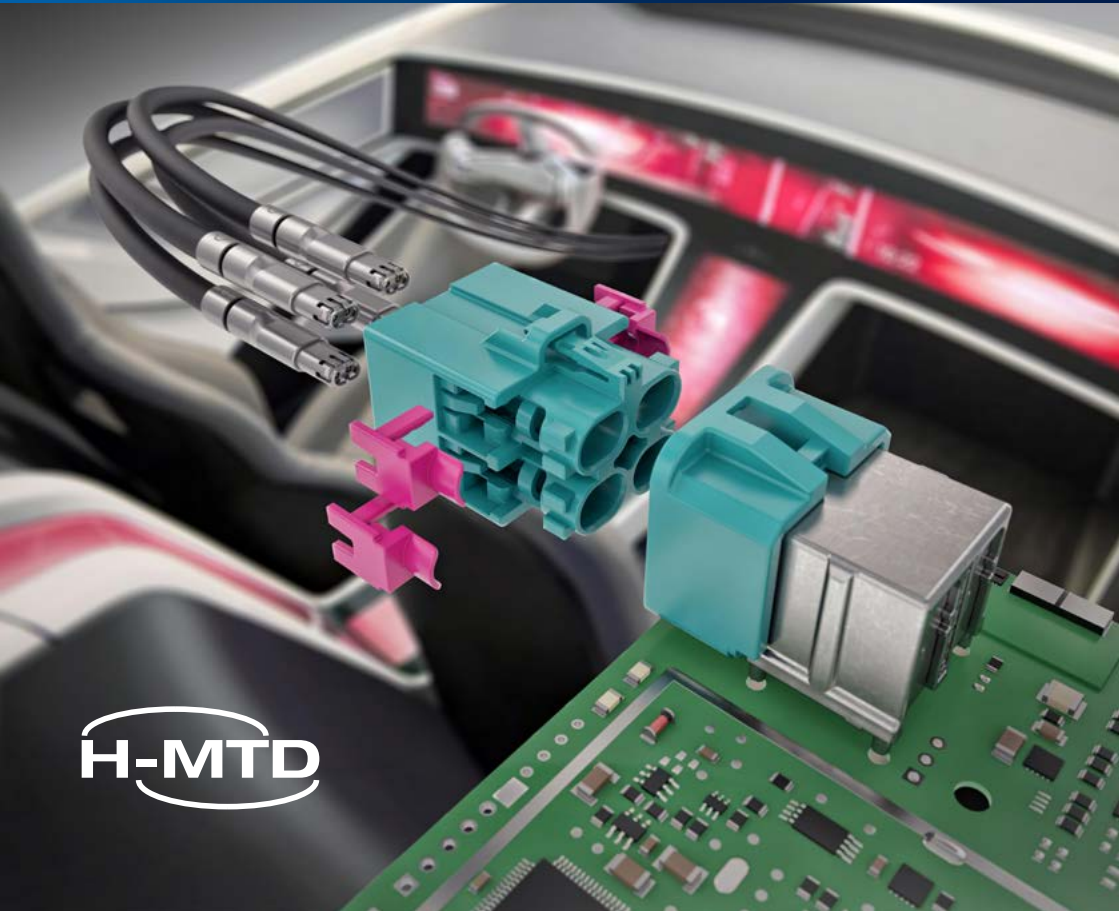
Rosenberger

System for Data Transmission up to 20 Gbps

H-MTD[®]

High-Speed Modular Twisted-Pair Data

AUTOMOTIVE



H-MTD



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





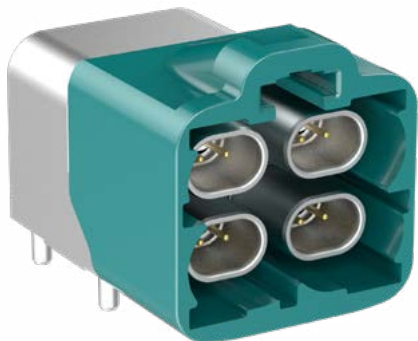
OVERVIEW

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



PRODUCT PORTFOLIO

H-MTD® PCB Connectors

Rosenberger No.	Connector Type	
E6S20A-40MT5-y*	PCB plug right angle single	
E6S20B-40MT5-y*	PCB plug right angle double	
E6S20D-40MT5-y*	PCB plug right angle quad	






* on request

y: please fill-in requested coding

Further customized products on request



H-MTD[®] Cable Connectors

Rosenberger No.	Connector Type	
E6K10A-1CAZ5-y*	Cable jack straight single	
E6K10B-1CAZ5-y*	Cable jack straight double	
E6K10D-1CAZ5-y*	Cable jack straight quad	
E6K14A-1CAZ5-y*	Cable jack straight single waterproof	
E6S10A-1CAZ5-y*	Cable plug straight single	

* on request
 y: please fill-in requested coding
 Further customized products on request



Website

For more information refer to our website:
www.rosenberger.com/h-mtd

Rosenberger

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