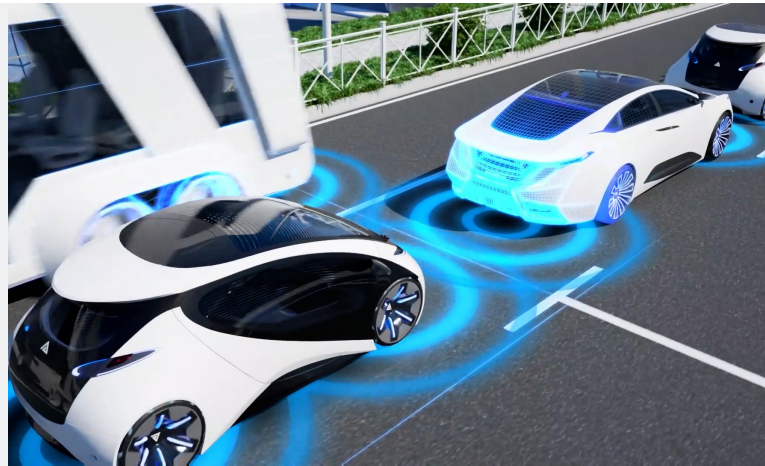


GEMnet Multi Gigabit Differential Connector System

Our USPs

- › Automated production line with process monitoring
- › Compliance with the smallest processing tolerances
- › Handling of various cable variants (UTP, STP, SPP)
- › Customer-specific solutions possible
- › Globally standardized machinery and processes



Your Advantages

- › High frequency range and high data rates
- › Less mating processes due to a modular package concept (standard connector with 1-, 2-, 4- and 6-way housings)

Technical information

Electrical

Return loss ≥ 20 dB, 0.01 GHz up to 4 GHz

Mechanical

Polarization efficiency ≥ 80 N (depending on connector)

Engagement force ≤ 50 N (depending on connector)

Retention force latch ≥ 110 N

Mating cycles ≥ 25

Environmental

Temperature range -40 °C up to +105 °C
(depending on cable)

Qualification

according to DIN EN 60068-2

Specification according to TE datasheet

Requirements

- › Combination of high-performance data transmission up to 15 GHz and up to 25 Gbps
- › A small and robust design

Applications

- › 4K camera systems
- › Autonomous driving
- › 4K high-resolution displays
- › Rear seat entertainment
- › Driver assistance system

Protocols & Signals

- › HDBaseT
- › GVIF
- › FPD-Link
- › GMSL
- › APIX
- › PCIe
- › MIPI A-PHY

