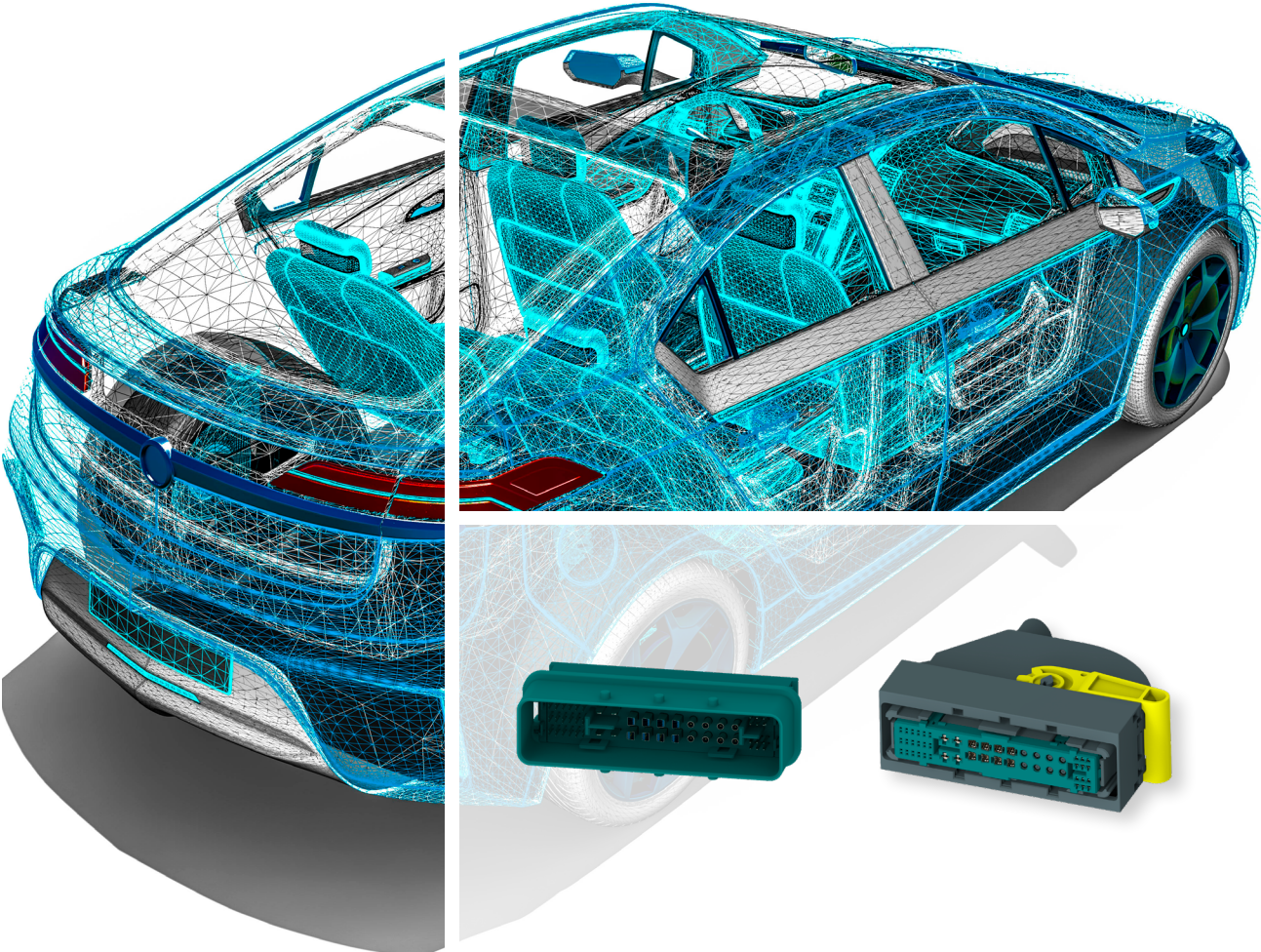


NET-AX+ MODULAR HYBRID DATA CONNECTOR



NET-AX+ Modular Hybrid Data Connector

The next generation of automotive infotainment and ADAS controllers requires an increasing number of high-speed data connections in increasingly smaller PCBs. To meet this challenge, TE's new NET-AX+ modular hybrid connector system supports high-speed differential and coaxial data transmission as well as signal and power connections within a single connector assembly.

Featuring a customizable and modular header design, it offers up to 40% reduced PCB footprint and 80% fewer mating assemblies.

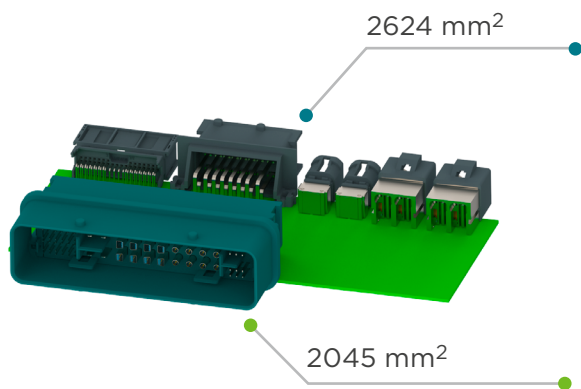
BENEFITS

- Possibility of integrating coaxial and differential data, power and signal contacts in a single connector assembly
- Modular insert approach for differential and coaxial high-speed channels enables miniaturized and highly differential headers
- Galvanic isolation of modular inserts enables flexible ground connection on PCB
- Skew compensated differential modular insert simplifies PCB design

APPLICATIONS

- Automotive Ethernet: 100/1000BASE-T1 and 2.5/5/10/25GBASE-T1
- SerDes: GMSL3, APIX3, GVIF3, FPD-Link IV, ASA Motion Link, MIPI A-PHY and HDBaseT
- Others: USB and PCIe (multi-lane)

MODULAR HYBRID SOLUTION VS DISCRETE CONNECTOR SOLUTION



Discrete Connectors Solution

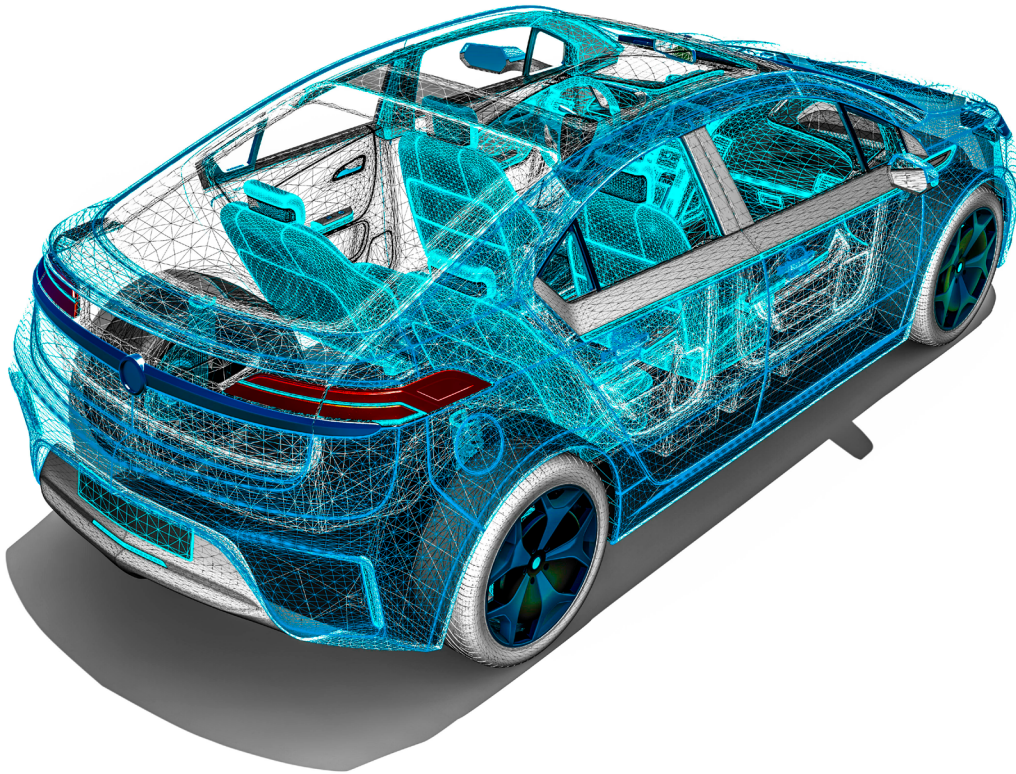
- 2 x GEMnet, 4 pos. Header
- 2 x MATE-AX, 4 pos. Header
- 1 Module with 12 x 1.5mm/4 x MCP 2.8 Tabs
- 1 x 32 pos. NanoMQS

TE NET-AX + Multi Hybrid Connector

- 4 x Differential modular inserts
- 4 x MATE-AX Coax modular inserts
- 12 x MCON 1.2 + 4 x 2.8 Power Tabs
- 36 NanoMQS pins

37%
Length Reduction

22%
PCB Space Reduction



FOR FURTHER INFORMATION PLEASE CONTACT US:

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