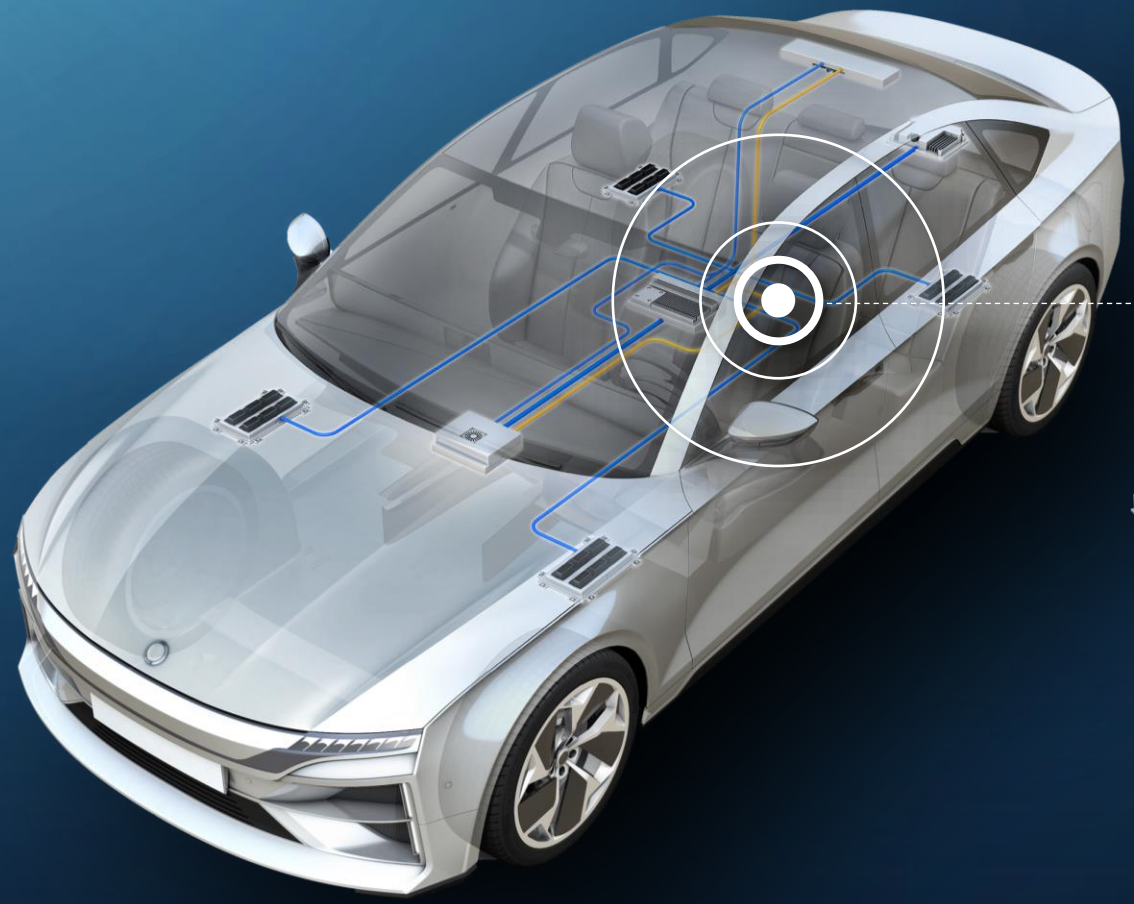
DATA CONNECTIVITY SOLUTIONS FOR CONNECTED VEHICLE



1.

2.

CLICK ON SECTION!

High Performance Computer (HPC)

Integrated Antennas

HPC

Link requirement*
- Differential / up to 10 Gbps
- Coaxial / up to 12 Gbps+

Typical protocol
Ethernet / SerDes

1. Discrete solution

GEMnet
Multi-Gigabit Differential Connector System
Enabling 15 GHz and up to 56 Gbps

MATEnet
Miniaturized Automotive Ethernet Connector System
Enabling up to 1 Gbps (100BASE-T1 and 1000BASE-T1) and 4 Gbps with alternative technologies)

MATE-AX
Miniaturized Automotive Coax Connector System
Enabling up to 9 GHz RF performance

2. Multi-Hybrid Solutions

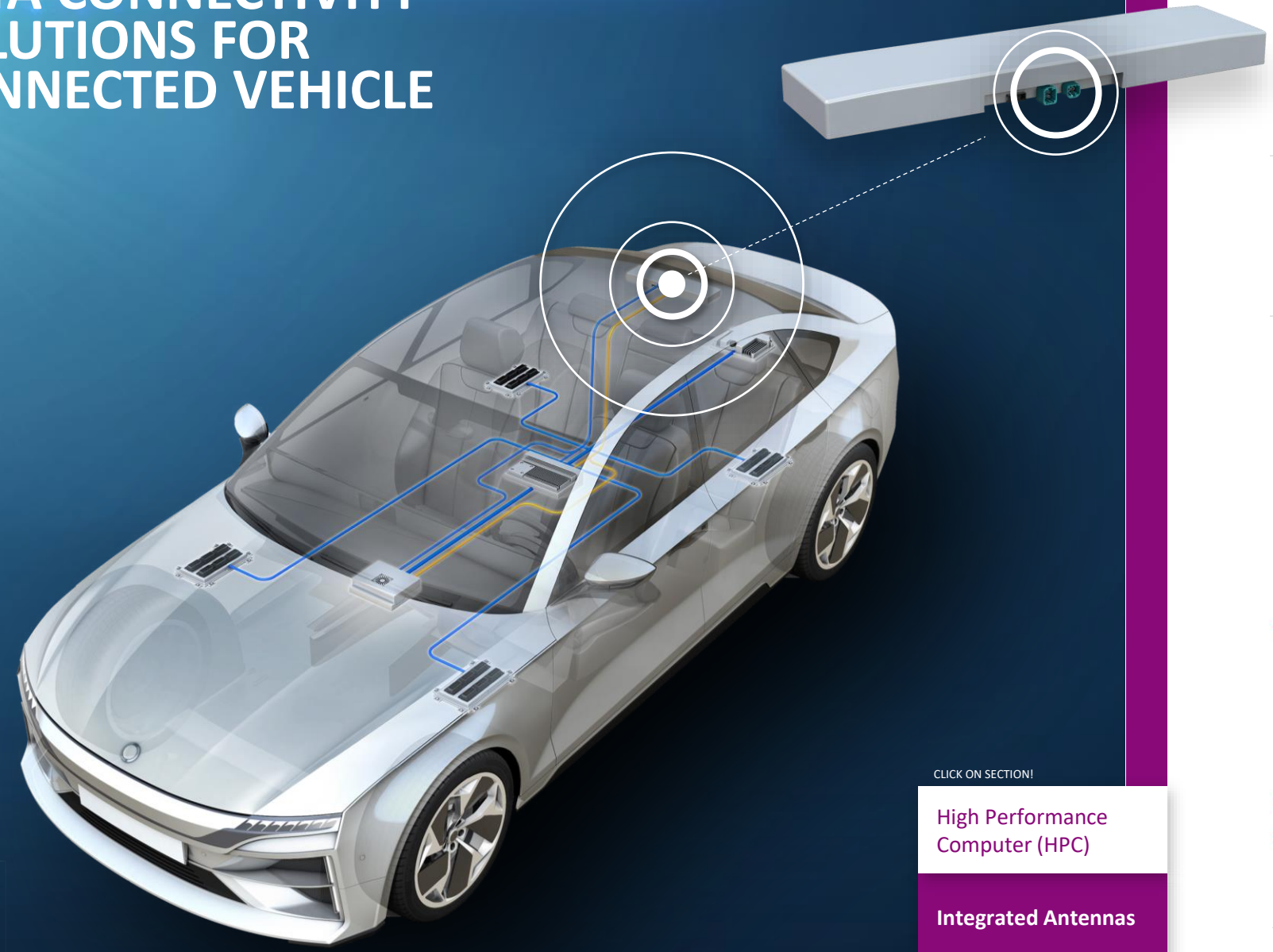
NET-AX+
Modular Hybrid Data Connector
Supports high-speed differential and coaxial data connectivity as well as signal and power connections within a single connector assembly.

Coaxial link

Differential link

*Based on 2028 requirements

DATA CONNECTIVITY SOLUTIONS FOR CONNECTED VEHICLE



CLICK ON SECTION!

High Performance Computer (HPC)

Integrated Antennas

Integrated Antennas

Link requirement*
- Coaxial / 12 Gbps+
- Differential / Up to 10 Gbps

Typical protocol
Ethernet, Analog

FAKRA
Coaxial Connector System
Enabling RF performance up to 6 GHz

MATE-AX
Miniaturized Automotive Coax Connector System
Enabling up to 9 GHz RF performance

GEMnet**
Multi-Gigabit Differential Connector System
Enabling 15 GHz and up to 56 Gbps

MATEnet**
Miniaturized Automotive Ethernet Connector System
Enabling up to 1 Gbps (100BASE-T1 and 1000BASE-T1) and 4 Gbps with alternative technologies)**

Coaxial link

Differential link

*Based on 2028 requirements

** only used for smart antennas

CONNECT LIKE THE WORLD DEPENDS ON IT. BECAUSE IT DOES.

EVERY CONNECTION COUNTS

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