

DATA CONNECTIVITY SOLUTIONS FOR AUTONOMOUS DRIVING



LiDAR

Link requirements*

- Differential
- Up to 5 Gbps

Typical protocol

Ethernet

CLICK ON SECTION!

LiDAR

Radar

Autonomous Driving Camera

Interior Camera

Satellite Camera



GEMnet

Multi-Gigabit Differential Connector System

Enabling 15 GHz and up to 56 Gbps



MATEnet

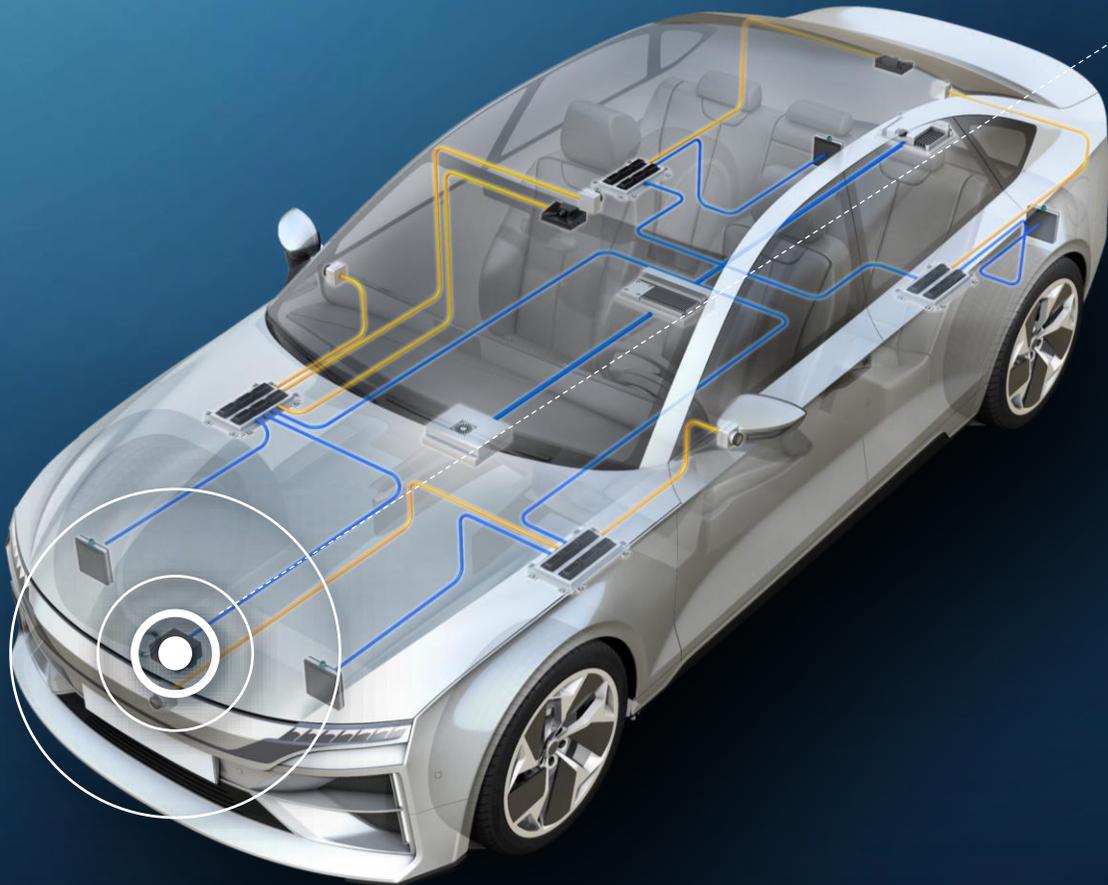
Miniaturized Automotive Ethernet Connector System

Enabling up to 1 Gbps (100BASE-T1 and 1000BASE-T1) and 4 Gbps with alternative technologies)

Coaxial link

Differential link

*Based on 2028 requirements



DATA CONNECTIVITY SOLUTIONS FOR AUTONOMOUS DRIVING



Radar

Link requirements*

- Differential
- 1 Gbps

Typical protocol

Ethernet



GEMnet

Multi-Gigabit Differential Connector System

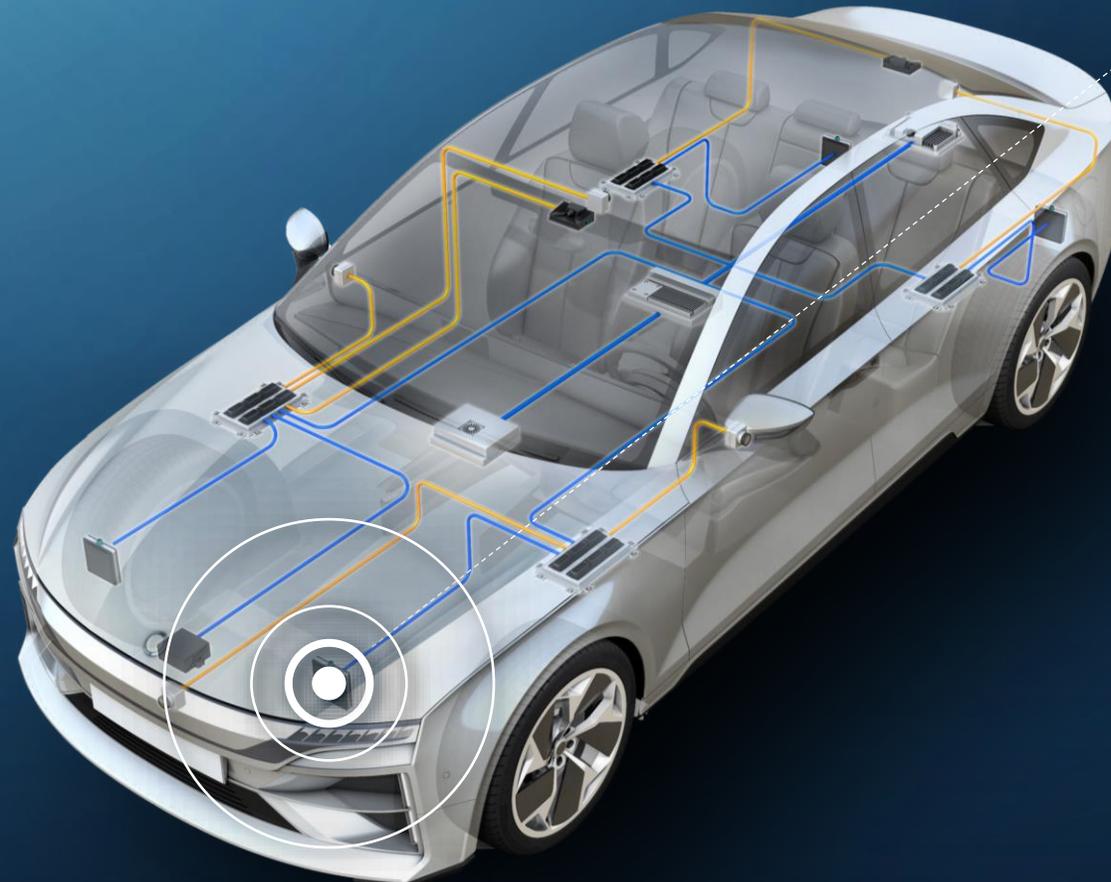
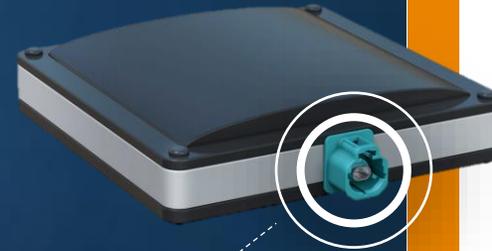
Enabling 15 GHz and up to 56 Gbps



MATEnet

Miniaturized Automotive Ethernet Connector System

Enabling up to 1 Gbps (100BASE-T1 and 1000BASE-T1) and 4 Gbps with alternative technologies)



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Autonomous Driving Camera

Interior Camera

Satellite Camera

Coaxial link

Differential link

*Based on 2028 requirements



DATA CONNECTIVITY SOLUTIONS FOR AUTONOMOUS DRIVING



Autonomous Driving Camera

Link requirements*

- Coaxial
- Up to 12 Gbps+

Typical protocol

SerDes



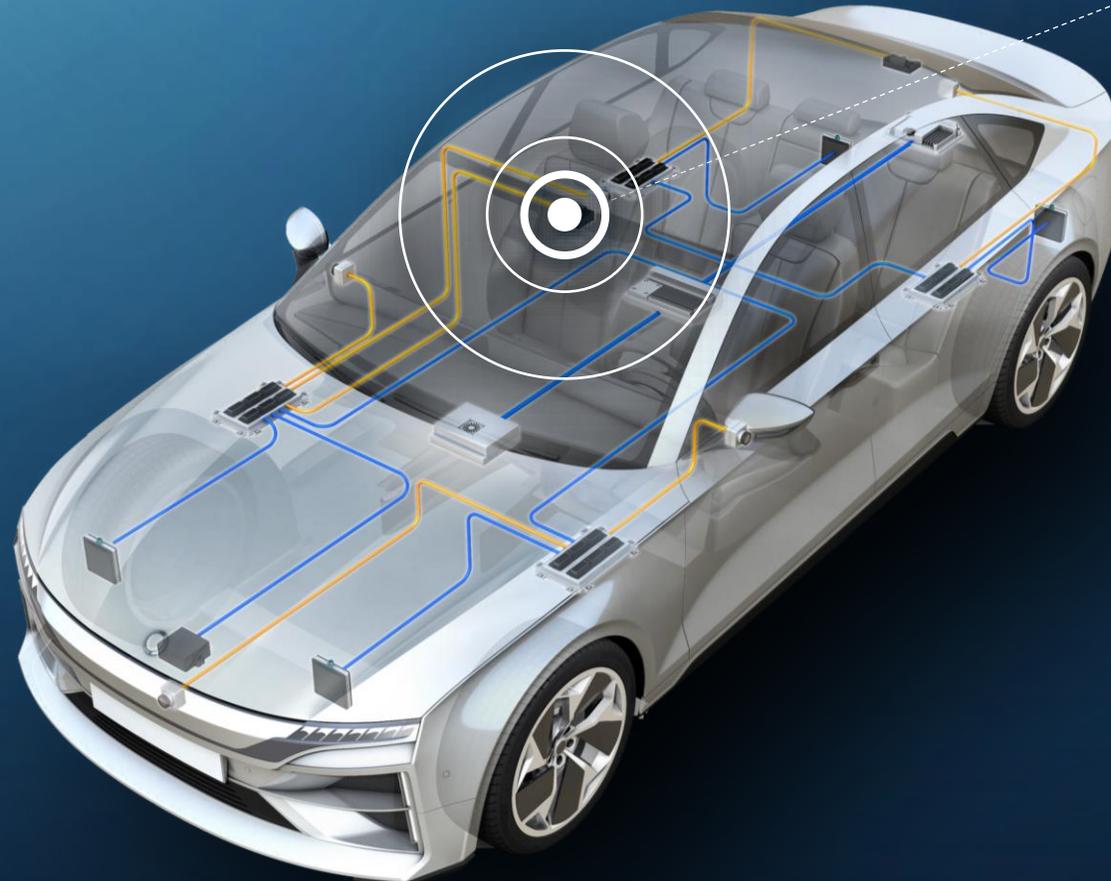
Camera Connection
Fixed and floating coaxial connector solutions
Supports cameras with 12 megapixels / 60+ fps



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



FAKRA
Coaxial Connector System
Enabling RF performance up to 6 GHz



CLICK ON SECTION!

LiDAR

Radar

Autonomous Driving Camera

Interior Camera

Satellite Camera

Coaxial link

Differential link

*Based on 2028 requirements



DATA CONNECTIVITY SOLUTIONS FOR AUTONOMOUS DRIVING



Interior Camera

Link requirements*

- Coaxial
- 3 Gbps

Typical protocol

SerDes



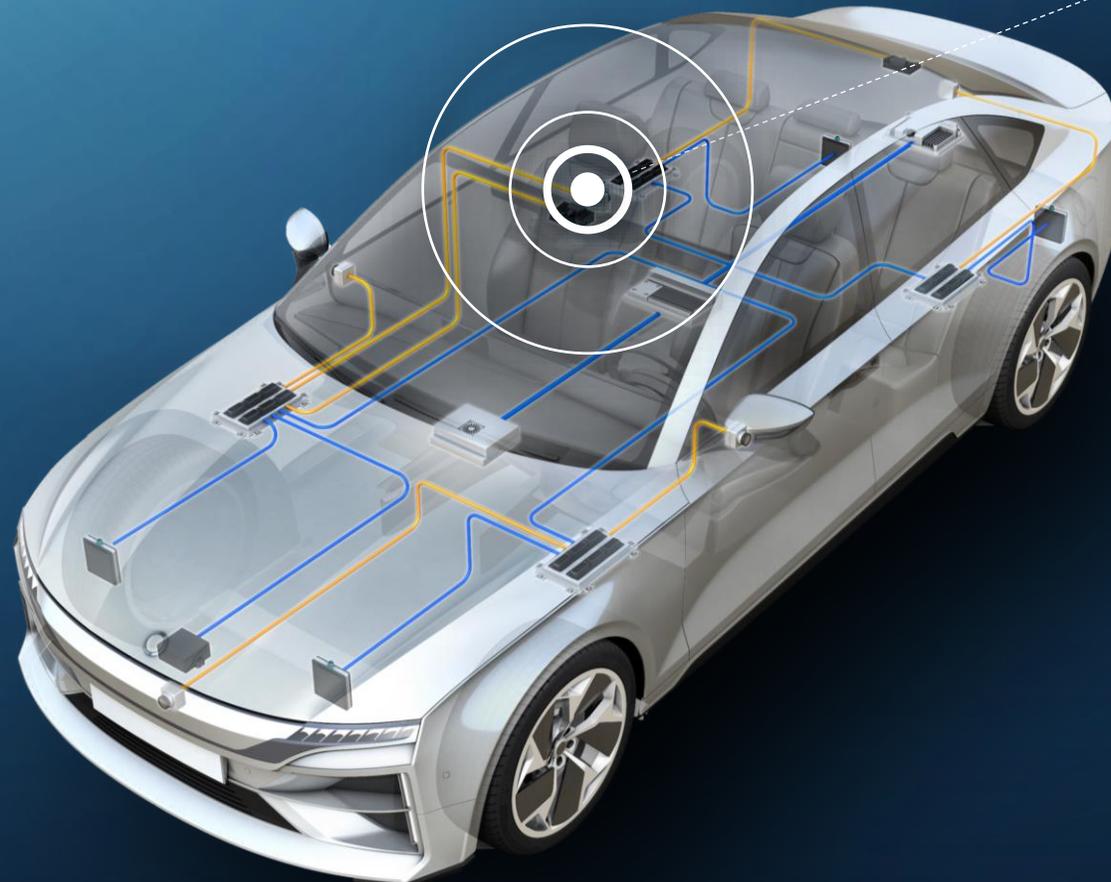
Camera Connection
Fixed and floating coaxial connector solutions
Supports cameras with 12 megapixels / 60+ fps



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



FAKRA
Coaxial Connector System
Enabling RF performance up to 6 GHz



CLICK ON SECTION!

LiDAR

Radar

Autonomous Driving Camera

Interior Camera

Satellite Camera

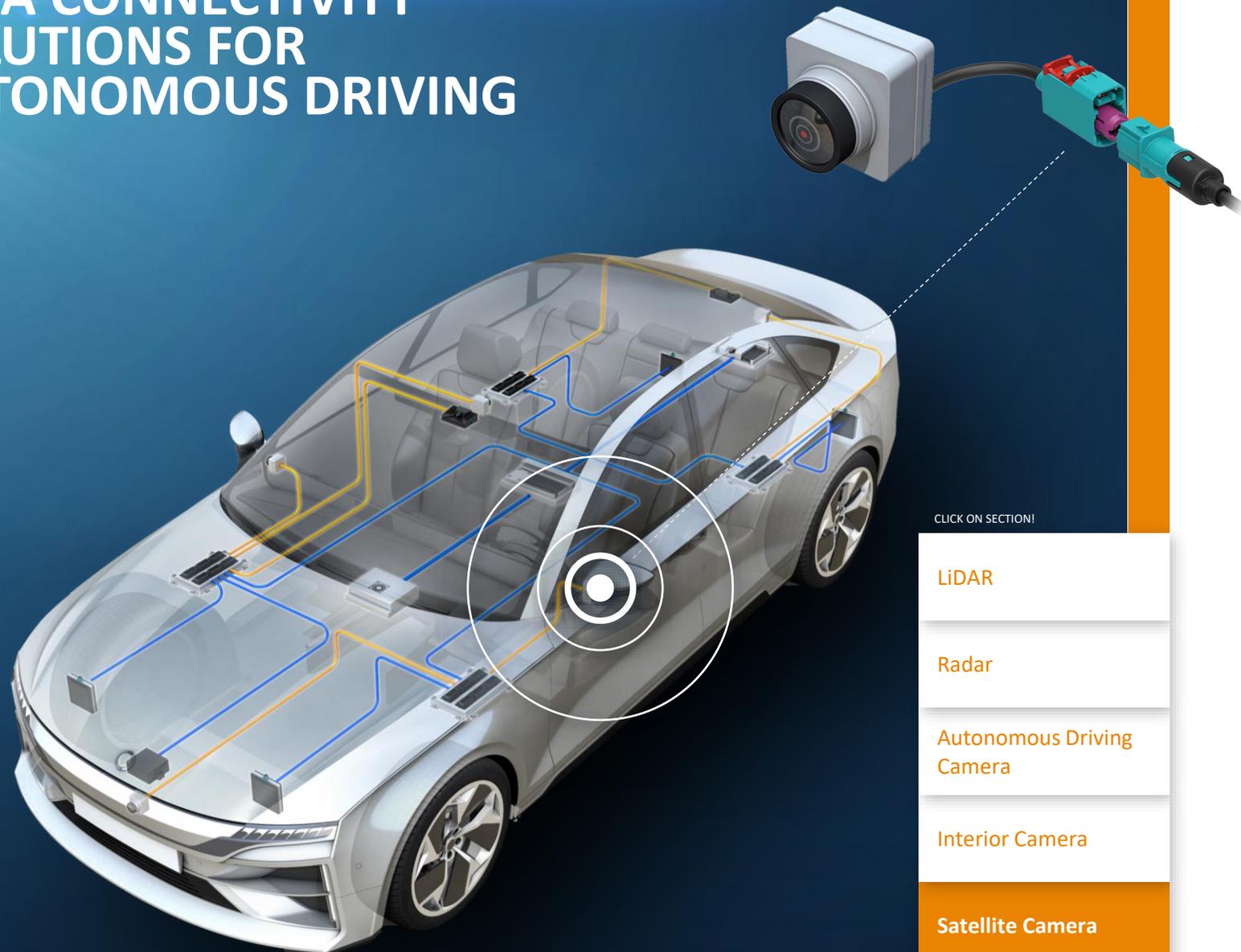


Coaxial link

Differential link

*Based on 2028 requirements

DATA CONNECTIVITY SOLUTIONS FOR AUTONOMOUS DRIVING



CLICK ON SECTION!

LiDAR

Radar

Autonomous Driving Camera

Interior Camera

Satellite Camera

Satellite Camera

Link requirements*

- Coaxial
- 8.5 Gbps

Typical protocol

SerDes



Camera Connection

Fixed and floating coaxial connector solutions

Supports cameras with 12 megapixels / 60+ fps



MATE-AX

Miniaturized Automotive Coax Connector System

Enabling up to 9 GHz RF performance



FAKRA

Coaxial Connector System

Enabling RF performance up to 6 GHz

— Coaxial link

— Differential link

*Based on 2028 requirements



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

EVERY CONNECTION COUNTS



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