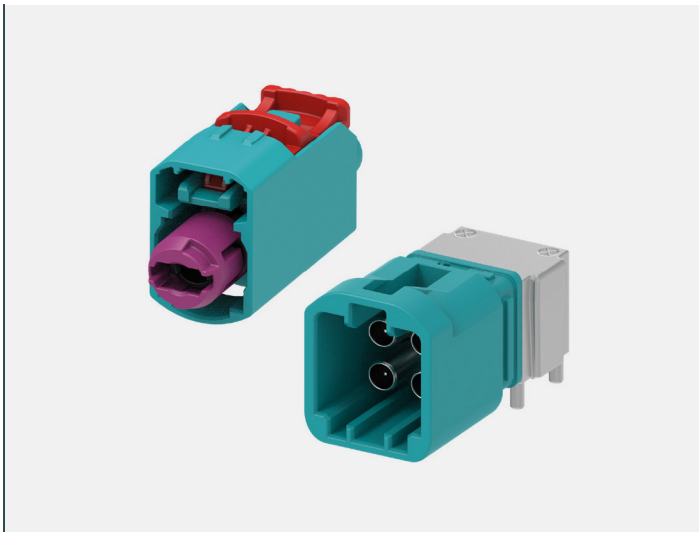
INTRODUCING

# MATE-AX Miniaturized Coaxial Connectors

- **Providing advanced data transmission performance, supporting up to 9GHz for transportation applications**
- **Supports up to 75% PCB footprint reduction that allows for additional space in the installation area compared to standard FAKRA solutions**



The rise in ADAS technologies and wireless connectivity applications is driving an increase in the number of sensors, cameras, and antennas in vehicles. These components rely on coaxial cables to transmit and receive large volumes of high-frequency data. TE Connectivity's MATE-AX miniaturized coaxial connector system addresses these demands by delivering advanced automotive data transmission performance, supporting bandwidths of up to 9 GHz, and reducing PCB footprint by up to 75%. Designed for reliability and high performance in challenging environments, the MATE-AX connector system is ideal for safety-critical applications such as cameras and antennas. With a comprehensive portfolio of connector types and sizes, the MATE-AX system is versatile enough to support a wide range of RF-based applications. Furthermore, its compatibility with existing wire types ensures seamless integration into current coaxial architectures, offering flexibility and ease of implementation.

## TARGET MARKETS

- Automotive
- Transportation
- Industrial Commercial Transportations

## KEY FEATURES AND BENEFITS

- **Automotive-grade robustness**
  - Fully compliant with LV214 & USCAR49 requirements*
  - Anti-stubbing features prevent improper connections and pin damage
  - Fully protected terminals with inward-facing contact points
- **Space Reduction**
  - One of the shortest terminal on the market provides additional space in the installation area
  - Up to 75% PCB footprint reduction compared to standard FAKRA solutions
- **Manufacturing Efficiency**
  - Terminal design optimized for automated manufacturing
  - Support of existing wire types ensures integration into existing architectures
  - Global manufacturing footprint

*Note: Industry standards used to define the quality and performance requirements for automotive connectors

## APPLICATIONS

- **Cameras**
  - Surround View, Lane Assist, High Beam Assist, Blind Spot Detection, Traffic Sign Recognition, Rear View, Driver Monitoring, Gesture Control, Night Vision, Mirror Replacement
- **Antennas**
  - 4G, LTE, Smart 5G, Keyless Entry, Remote Parking, BT, WLAN, V2X, DSRC, C-V2X

## LEARN MORE

- MATE-AX Connector System Landing Page
- MATE-AX Connector Sytem Video
- MATE-AX Connector System Brochure
- MATE-AX Connector System Whitepaper

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