

FAKRA Connector and Cable Assembly Solutions



Reliable RF Connectivity for Automotive and Industrial Applications

ATTEND's FAKRA connectors and cable assemblies provide reliable, high-performance RF connectivity solutions tailored for demanding automotive and industrial environments. Engineered to withstand harsh conditions such as vibration, temperature extremes, moisture, and dust, FAKRA products ensure secure, consistent signal transmission for critical communication systems.

APPLICATION SCENARIOS

Commercial Vehicle

- Rear View Camera Display
- Lane Departure Warning
- Forward Collision Warning
- Driving Video Recorder
- Driver Monitoring System
- V2X Antenna
- WiFi/GPS/GSM Antenna
- Telematics Control Unit

Autonomous Mobile Robot

- Blind Spot Detection
- Navigation
- Collision Avoidance
- Emergency Braking
- AI Computing System
- Collision Warning
- Object Detection

Agricultural Vehicles

- Visual monitoring and perception
- Autonomous driving
- Precision operations
- 3D Vision Edge AI Computing BOX



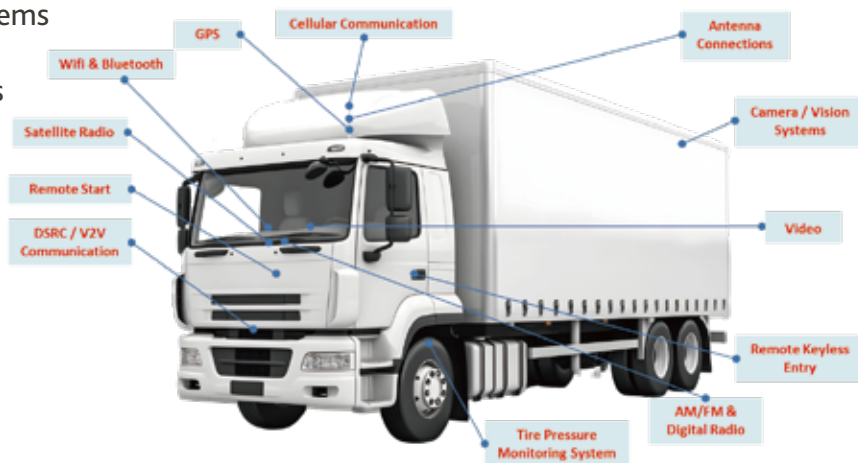


FEATURES

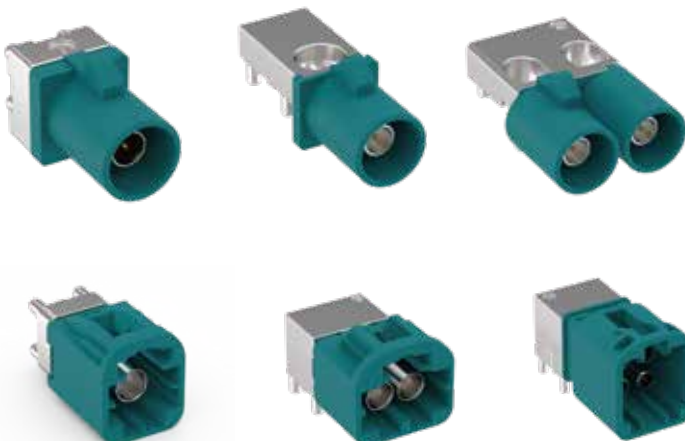
- Frequency Range DC to 6 GHz (standard FAKRA), up to 9 GHz for Mini-FAKRA.
- Meets ISO 20860-1/2, SAE/USCAR-2, and USCAR-17 standards.
- Robust plastic housings provide high resistance to harsh automotive environments.
- 13 color and mechanical coding options plus 1 neutral variant to prevent mismatching.
- Mini FAKRA connectors are Up to 80% smaller than standard FAKRA connectors, ideal for compact, high-density automotive electronics.
- Mini FAKRA supports single, dual, and quad connector configurations for maximizing PCB real estate and installation flexibility.
- FAKRA and Mini FAKRA cable Assemblies can be customized for different applications to meet specific customer requirements.
- Operating Temperature Range: -40°C to +105°C

APPLICATION

- Automotive Telematics and Infotainment Systems
- Advanced Driver Assistance Systems (ADAS)
- GPS, Satellite Radio, and Antenna Connections
- Industrial Wireless Communication Networks
- IIoT Devices in Harsh Environments
- V2X Communication Systems
- Industrial Automation
- Unmanned Transport Systems (AGVs/AMRs)
- Intelligent Transportation Systems
- Agricultural Machinery



CONNECTORS SUMMARY



228 Series FAKRA Plug

- Mounting Type: Vertical, R/A
- R/A Key Direction: 12, 3, 6, 9 O'clock
- Port Number: 1x1, 1x2

230 Series Mini FAKRA Plug

- Type A and Type B
- Mounting Type: Vertical, R/A
- R/A Key Direction: 12, 3, 6, 9 O'clock
- Port Number: 1x1, 1x2, 2x2

