

RF INTERCONNECT SOLUTIONS

ENABLING IoT

Amphenol® **RF**

Global RF Solutions.



SMART CITIES

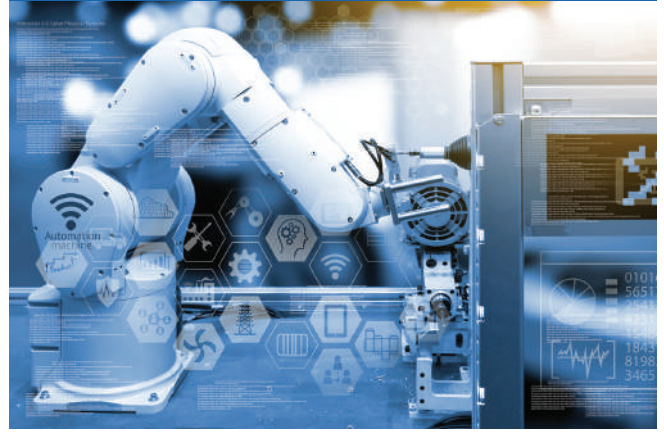


The world's cities are becoming smarter with devices that monitor everything from pollution levels to the efficiency of our energy production systems. Data is collected and used to make everyday life a little better for inhabitants.

APPLICATIONS:

- Smart Street Lighting
- Smart Parking
- Environmental Monitoring
- Information Beacons
- Active Safety
- Shared Transportation
- Waste Collection
- Energy Management and Monitoring

INDUSTRY 4.0



Factories connected to the cloud via an array of industrial sensors are becoming commonplace. Plant managers can view real time data which can be used to make critical decisions, dramatically increasing productivity and efficiency

ADVANTAGES:

- System-Wide Availability
- Product Automation
- Predictive Preventative Maintenance
- Global Supply Chain Integration
- Human-Machine Collaboration
- Mass Customization
- Business Model Execution

SMART AGRICULTURE



The farming industry has started to adopt a technology-savvy approach to managing all aspects of the agricultural ecosystem. These advances streamline the decision making process through the use of management information systems, precision agriculture, and agricultural automation and robotics.

APPLICATIONS:

- Connected Equipment
- Drones/Robotics
- Asset/Livestock Tracking
- Sensor Hardware
- Irrigation and Water Supply Management

CONNECTED CARS



Today's automobile comes equipped with wireless connectivity powered by the latest advances in RF technology. Connected cars utilize on-board sensors to communicate with other vehicles, devices and networks.

APPLICATIONS:

- LiDAR
- Cameras
- Global Positioning Systems (GPS) Radar
- Ultrasonic Sensors
- Advanced ECUs
- Artificial Intelligence (AI)
- Vehicle to Vehicle/Infrastructure (V2X) Communication

PRODUCTS

AMC



6 GHz

50 Ohm

Micro-coaxial connector with a low-profile (2.5mm) and small footprint (3mm x 3mm).

AMMC



6 GHz

50 Ohm

Micro-miniature coaxial connector with a super low-profile (1.4mm) and extremely small footprint (2mm x 2mm).

BNC



4 GHz

50 & 75 Ohm

Invented by Amphenol, the BNC series features a bayonet coupling system allowing for quick connect and disconnect.

FAKRA



4 GHz

50 Ohm

Designed for the automotive market, FAKRA connectors utilize SMB connectors in color/key coded housings to prevent mismatching.

MCX



6 GHz

50 & 75 Ohm

The MCX series features secure, fast and easy snap-on/snap-off coupling, with broadband capability.

SMA



26.5 GHz

50 Ohm

SMA connectors offer high performance in a threaded, compact design, excellent for antenna and base station applications.

TNC



11 GHz

50 Ohm

The TNC is a miniature, threaded series with a constant 50 ohm impedance and a frequency range of DC - 11 GHz.

N-TYPE



11 GHz

50 Ohm

N-Type connectors are durable, medium-size RF connectors used in many military and commercial wireless applications.

Cable assemblies and IP67/68 sealed solutions available.



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