

ENABLING AUTOMOTIVE TECHNOLOGY WITH HIGH FREQUENCY RF INTERCONNECT

The automotive industry has been revolutionized with more technology being designed into vehicles than ever before. This has resulted in a drastic increase in the number of devices that transmit and collect data. Along with traditional automotive solutions, this is driving a need for higher bandwidth requirements and higher density RF interconnect to support these expanding systems.



APPLICATIONS

- 360° Cameras
- ECU/Compute Modules
- Antennas
- Roadside V2X
- Radar
- LiDAR
- GPS
- Infotainment System
- Remote Entry/Start
- Tire Pressure Monitoring

OUR CORE COMPETENCIES

- Custom camera interconnect available
- Robust blindmate and highly reliable multi-port board-to-board configuration
- Waterproof IP67/68 sealed and ruggedized solutions
- Color coded and mechanically keyed automotive connectors
- Quick mating and quick disconnect RF connectors
- Customized hybrid solutions supporting RF, signal and power
- Custom cable assemblies and sub-systems

PRODUCTS

CONNECTORS



AUTOMATE Mini-FAKRA Type A

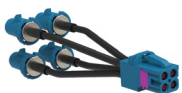
- High frequency, high bandwidth design
- Low Engagement Forces
- Impact Resistant
- Ideal for compact spaces



FAKRA

- 14 different mechanical and color key codes
- Robust plastic housing with secure locking feature
- Tape and reel packaging
- Sealed options available

FIXED LENGTH CABLE ASSEMBLIES



AUTOMATE to FAKRA



AUTOMATE to SMA



FAKRA to FAKRA



FAKRA to AMC



FAKRA to AMC4



HSD to HSD

AUTOMOTIVE APPLICATIONS

SERIES	IMPEDANCE										
		ECU/COMPUTE MODULES	ANTENNAS	CAMERAS	ROADSIDE V2X	RADAR	LIDAR	GPS	INFOTAINMENT SYSTEM	REMOTE ENTRY & START	TIRE PRESSURE MONITORING
AMC	50 Ohm	●	●	●	●	●	●	●	●	●	●
AMC4	50 Ohm	●	●	●	●	●	●	●	●	●	●
AMMC	50 Ohm	●	●	●	●	●	●	●	●	●	●
AUTOMATE	50 Ohm	●	●	●	●	●	●	●	●	●	●
BNC	50 & 75 Ohm			●	●				●		
FAKRA	50 Ohm	●	●	●	●	●	●	●	●	●	●
HD-BNC	50 Ohm			●					●		
HD-EFI	50 Ohm	●	●	●	●						
HSD	100 Ohm	●		●					●		
MCX	50 & 75 Ohm	●	●	●	●	●	●	●	●	●	●
MMCX	50 Ohm	●	●	●	●	●	●	●	●	●	●
N-TYPE	50 Ohm				●						
SMA	50 Ohm		●		●	●	●	●	●	●	●
SMB	50 Ohm	●	●	●	●	●	●	●	●	●	●
SMP	50 Ohm	●	●	●	●						
SMPM	50 Ohm	●	●	●	●	●					
TNC	50 Ohm				●						

Note: IP67 options available. Contact factory for ordering information.

Q-FLEX

www.q-flex.fi info@q-flex.fi
+358 2 4894 500

ALSO OFFERING

CAMERA INTERCONNECT



Sealed automotive camera interconnect are designed with overmolding of cable and connectors for a fully integrated, clean solution. Sealed interconnect prevent ingress of fluids and dust while high float solutions allow for blind mating of camera back.

SMART ANTENNA SOLUTIONS



RF interconnect that enable the consolidation of all radio functions into a single module create effective and efficient communication between automotive systems.