



Ordering Information

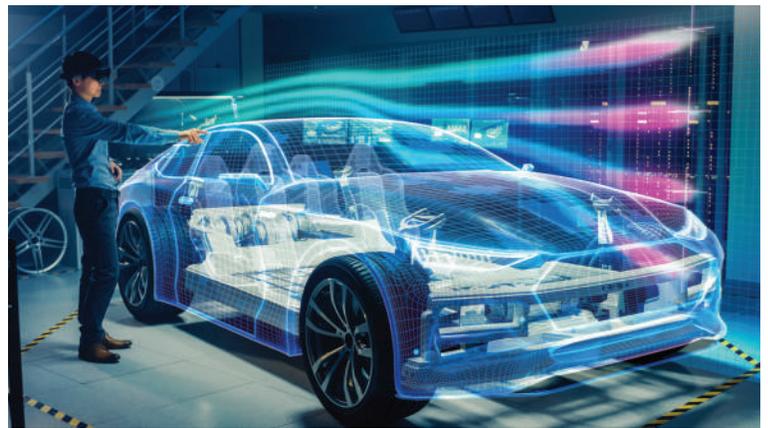
Part Number	Description
901-10734	SMA Straight Plug, Nickel Plating
901-10735	SMA Straight Jack, Gold Plating
901-10736	SMA Straight Bulkhead Jack, Gold Plating
901-10737	SMA Right-Angle Plug, Nickel Plating

Overview

Amphenol RF offers an expanded line of 50 ohm SMA connectors optimized for low loss TFC-302LL cable. This compact, light-weight interface is available in bulkhead jack, straight plug and right-angle plug configurations. These connectors are ideal for applications where low return loss and vibration resistance is necessary such as IoT or antenna solutions.

The SMA interface supports frequencies up to 18 GHz ensuring optimal performance through 6 GHz, the cut off frequency of the cable, and utilizes the popular threaded coupling mechanism. All designs feature a cable crimp termination, which allows for quick and secure assembly using standard hex crimp tooling, and a soldered center contact.

TFC-302LL cable, manufactured by Times Fiber Communications, a division of Amphenol, is designed to offer reliable electrical and mechanical performance. This cable features a stranded center and complements the low loss capabilities of the SMA connectors. Similarly, these connectors can be used with comparable cables such as RTK301 and DACAR-302. All supported cables are highly flexible, and offer stable impedance and low signal attenuation.



Features and Benefits

- Compact and light-weight design
- Vibration resistant
- Extremely low loss through 6 GHz
- Available in various configurations

Applications

- Automotive Testing
- Antennas
- GPS
- IoT
- Wireless Systems
- Broadband
- V2V Communications

Amphenol RF

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For more information visit www.amphenolrf.com
or call 800.627.7100

Amphenol® RF

Technical Specifications (Connectors)

Electrical	Plug	Jack
Impedance		50 Ω
Frequency Range		DC - 20 GHz
Return Loss		1.2:1 Max. DC - 6 GHz
Dielectric..		1000 VRMS Min.
Insulation..		5000 M Ω Min.
Center Contact		1.5 m Ω
Outer Contact		0.2 m Ω

Mechanical	
Mating	Threaded
Mating Cycles	500 Cycles Min.

Environmental	
Temp Range	-65°C to +165°C
RoHS	Compliant with exemption 6C

Materials		
Body	Brass, Nickel Plating	Brass, Gold Plating
Male	Brass, Gold Plating	-
Female	-	BeCu, Gold Plating
Ferrule		Brass, Nickel Plating
Insulator		PTFE, Natural

Note: Technical specifications are typical and may vary based on specific part number. Consult component drawing.

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