



Overview

Amphenol RF offers RP-SMA to AMC4 plug micro-miniature 1.13 mm fixed length cable assemblies engineered for use in space-constrained applications. The RP-SMA IP67-rated bulkhead jack ensures waterproof protection in the mated and unmated condition, and supports frequencies of up to 6 GHz. Available in standard lengths of 50 to 400 mm, the flexible 1.13 mm coaxial cable attached to the jack and plug is ultra-thin and lightweight, enabling easy routing in compact applications.

The body of the RP-SMA bulkhead jack is machined brass which is gold-plated to ensure corrosion resistance, and the beryllium copper contact is also gold-plated. AMC4 plugs are made from gold-plated phosphor bronze, while the insulator is molded from PBT. The versatile 1.13 mm micro coaxial cable meets the VW-1 flammability rating.

These assemblies are designed to meet the growing demand for RF interconnects that provide engineers with versatile solutions for unprecedented designs. Custom lengths are available upon request.

Features and Benefits

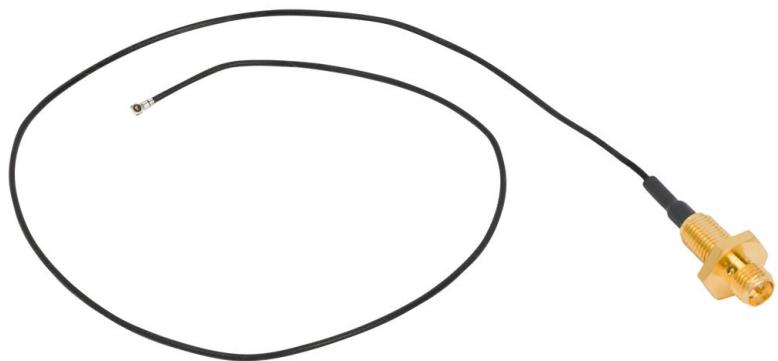
- Reliable electrical performance up to 6 GHz
- Compact micro-miniature design
- Durable and corrosion resistant materials
- Easily routable cable
- IP67-rated waterproof

Applications

- IoT & Smart Devices
- GPS
- Wireless Communication Modules
- Consumer Electronics
- Industrial & Outdoor Enclosures

Ordering Information

Part Number	Description
095-902-604M005	RP-SMA Bulkhead Jack to AMC4 Right-Angle Plug, 1.13 mm cable, 50 mm
095-902-604M010	RP-SMA Bulkhead Jack to AMC4 Right-Angle Plug, 1.13 mm cable, 100 mm
095-902-604M015	RP-SMA Bulkhead Jack to AMC4 Right-Angle Plug, 1.13 mm cable, 150 mm
095-902-604M020	RP-SMA Bulkhead Jack to AMC4 Right-Angle Plug, 1.13 mm cable, 200 mm
095-902-604M025	RP-SMA Bulkhead Jack to AMC4 Right-Angle Plug, 1.13 mm cable, 250 mm
095-902-604M030	RP-SMA Bulkhead Jack to AMC4 Right-Angle Plug, 1.13 mm cable, 300 mm
095-902-604M035	RP-SMA Bulkhead Jack to AMC4 Right-Angle Plug, 1.13 mm cable, 350 mm
095-902-604M040	RP-SMA Bulkhead Jack to AMC4 Right-Angle Plug, 1.13 mm cable, 400 mm



Amphenol RF

Four Old Newtown Road
Danbury, CT 06810

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

Amphenol® RF

Technical Specifications

Electrical

Impedance	50Ω
Frequency Range	DC - 6 GHz
Dielectric Withstanding Voltage	200 VRMS. Min.

Environmental

RoHS Compliance	Compliant with Exemption 6C
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Mechanical

	RP-SMA	AMC4
Mating Cycles	500 Min.	30 Min.
Temperature Range	-40°C to 90°C	-40°C to 90°C

Materials

	RP-SMA	AMC4
Body	Brass, Gold-Plated	Phosphor Bronze
Contact	Beryllium Copper, Gold-Plated	Phosphor Bronze, Gold-Plated
Insulator	PTFE Natural	PBT

Note: Technical specifications are typical and may vary by specific part number. Please see component drawing.

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