

Amphenol® RF



Micro- Miniature Cable Assembly

Solutions Guide



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ABOUT AMPHENOL RF

Amphenol RF, a division of Amphenol Corporation, is the largest manufacturer of radio frequency connectors, coaxial adapters and RF cable assemblies in the world.

With a global team of experienced engineers, Amphenol RF is able to offer the broadest portfolio of standard RF products on the market today.

As a leader in design and manufacturing of RF interconnect products, our dedicated team of engineers specialize in custom product development to meet the challenges of design-specific constraints.

GLOBAL PRESENCE



With a global presence, Amphenol RF has experienced engineers and production capabilities in multiple regions across the globe. Our experienced cross-functional teams oversee the entire process from the initial design through delivery, and beyond.

Amphenol RF has a global footprint of operations in North America, Europe and Asia.

MICRO-MINIATURE CABLE ASSEMBLIES OVERVIEW

Amphenol RF offers a variety of micro-miniature cable assemblies in pre-configured and custom lengths. Micro-miniature cable assemblies are designed with micro-coaxial cable types (1.13, 1.32 DS and 1.37 mm and RG-178) and feature an extremely small footprint and low profile. These 50 ohm assemblies offer reliable electrical performance up to a minimum of 6 GHz and are compatible with Hirose's U.FL and IPEX's MHF and MHF4 interface for additional mating options.

Micro-miniature cable assemblies are available in both waterproof IP67-rated and non-IP67 configurations. IP67 options are designed to offer an extra layer of protection from external elements. IP67 and non-IP67 options that are designed with an SMA connector on one end can accommodate panels of variable thicknesses.



FEATURES AND BENEFITS

- Reliable electrical performance up to a minimum of 6 GHz
- AMC/AMC4 connectors offer quick and secure push-on locking mechanism
- Vibration-resistant designs utilizing IPEX MHF I locking connectors
- Waterproof IP67 sealed and tamper-resistant options available
- Wide variety of configurations and standard cable types (1.13, 1.32 DS, 1.37 mm and RG-178)
- Mounting hardware included with bulkhead connectors
- Available in in-series (AMC/AMC jumpers) and between-series (SMA, FAKRA) interfaces

APPLICATIONS

- Connections for External Antennas and Vehicle Cabins
- Base Stations and Control Systems
- Drone and Remote Control Vehicles
- Industrial Automation and Inspection
- Bluetooth and Cellular Technology
- WLAN/Wi-Fi 6E

ORDERING INFORMATION

MICRO-MINIATURE CABLE ASSEMBLIES

AMC CABLE ASSEMBLIES

AMC to AMC



AMC Right-Angle Plug to AMC Right-Angle Plug

Cable Type	Part Number
0.81 mm	A-1PA-081-XXXB2
1.13 mm	A-1PA-113-XXXB2
1.32 mm	A-1PA-132-XXXB2
1.37 mm	A-1PA-137-XXXB2
RG-178	A-1PA-178-XXXB2

AMC to SMA



AMC Right-Angle Plug to SMA Straight Bulkhead Jack, Rear Mount

Cable Type	Part Number
1.13 mm	336313-12-XXXX
1.32 mm DS	336313-13-XXXX
1.37 mm	336313-14-XXXX



AMC Right-Angle Plug to SMA Straight Bulkhead Jack, Rear Mount w/ O-Ring

Cable Type	Part Number
RG-178	095-902-567-XXX



AMC Right-Angle Plug to SMA Straight Bulkhead Jack, Rear Mount, IP67

Cable Type	Part Number
1.13 mm	336319-12-XXXX
1.32 mm DS	336309-13-0050
RG-178	095-902-568-XXX



AMC Right-Angle Plug to SMA Straight Bulkhead Jack, Front Mount, IP67

Cable Type	Part Number
1.13 mm	095-902-545-XXX



AMC Right-Angle Plug to SMA Straight Jack

Cable Type	Part Number
1.13 mm	095-902-572-XXX



AMC Right-Angle Plug to SMA Right-Angle Bulkhead Jack

Cable Type	Part Number
1.32 mm DS	095-902-517-XXX

ORDERING INFORMATION

MICRO-MINIATURE CABLE ASSEMBLIES

AMC CABLE ASSEMBLIES

AMC to SMA



AMC Right-Angle Plug to SMA Right-Angle Plug

Cable Type	Part Number
1.13 mm	095-902-575-XXX
RG-178	095-902-513-XXX



AMC Right-Angle Plug to SMA Straight Plug

Cable Type	Part Number
1.13 mm	095-902-544-XXX
RG-178	095-902-516-XXX



AMC Right-Angle Plug to SMA Through-Hole PCB Jack

Cable Type	Part Number
1.13 mm	095-902-492-XXX

AMC to RP-SMA



AMC Right-Angle Plug to RP-SMA Straight Bulkhead Jack

Cable Type	Part Number
1.13 mm	336314-12-XXXX
1.32 mm DS	336314-13-XXXX
1.37 mm	336314-14-XXXX



AMC Right-Angle Plug to RP-SMA Straight Bulkhead Jack w/ O-Ring

Cable Type	Part Number
RG-178	095-902-578-XXX



AMC Right-Angle Plug to RP-SMA Bulkhead Jack, Front Mount, IP67

Cable Type	Part Number
1.13 mm	095-902-573-XXX



AMC Right-Angle Plug to RP-SMA Straight Jack

Cable Type	Part Number
1.32 mm DS	095-902-574-XXX

ORDERING INFORMATION

MICRO-MINIATURE CABLE ASSEMBLIES

AMC CABLE ASSEMBLIES

AMC to FAKRA



AMC Right-Angle Plug to FAKRA Straight Bulkhead Plug

Cable Type	Part Number
1.37 mm	095-820-109-XXZ
1.37 mm	095-820-109-XXA
1.37 mm	095-820-109-XXB
1.37 mm	095-820-109-XXC
1.37 mm	095-820-109-XXD

AMC to TNC



AMC Right-Angle Plug to TNC Straight Bulkhead Jack, Rear Mount, IP67

Cable Type	Part Number
1.13 mm	336209-12-XXXX
1.32 mm DS	336209-13-XXXX
RG-178	095-850-284-XXXX



AMC Right-Angle Plug to TNC Straight Bulkhead Jack, Front Mount, IP67

Cable Type	Part Number
1.13 mm	095-850-264-XXX



AMC Right-Angle Plug to TNC Straight Bulkhead Jack

Cable Type	Part Number
1.13 mm	336203-12-XXXX
RG-178	095-850-283-XXX

AMC to RP-TNC



AMC Right-Angle Plug to RP-TNC Straight Bulkhead Jack, Rear Mount, IP67

Cable Type	Part Number
1.13 mm	336212-12-XXXX



AMC Right-Angle Plug to RP-TNC Straight Bulkhead Jack, Front Mount, IP67

Cable Type	Part Number
1.13 mm	095-850-263-XXX

ORDERING INFORMATION

MICRO-MINIATURE CABLE ASSEMBLIES

AMC CABLE ASSEMBLIES

AMC to RP-TNC



AMC Right-Angle Plug to RP-TNC Straight Bulkhead Jack

Cable Type	Part Number
1.13 mm	336206-12-XXXX
1.37 mm	336206-14-XXXX
RG-178	095-850-285-XXX

AMC to N-Type



AMC Right-Angle Plug to N-Type Straight Bulkhead Jack

Cable Type	Part Number
RG-178	095-909-155-XXX

MHF I LK CABLE ASSEMBLIES

MHF I LK to SMA



MHF I LK Right-Angle Plug to SMA Straight Bulkhead Jack, Front Mount

Cable Type	Part Number
1.13 mm	095-902-583-XXX



MHF I LK Right-Angle Plug to SMA Straight Bulkhead Jack, Front Mount, IP67

Cable Type	Part Number
1.13 mm	095-902-584-XXX



MHF I LK Right-Angle Plug to SMA Straight Bulkhead Jack, Rear Mount

Cable Type	Part Number
1.13 mm	095-902-582-XXX



MHF I LK Right-Angle Plug to SMA Straight Bulkhead Jack, Rear Mount, IP67

Cable Type	Part Number
1.13 mm	095-902-585-XXX

ORDERING INFORMATION

MICRO-MINIATURE CABLE ASSEMBLIES

MHF I LK CABLE ASSEMBLIES



MHF I LK to RP-SMA

MHF I LK Right-Angle Plug to RP-SMA Straight Bulkhead Jack, Front Mount, IP67

Cable Type
1.13 mm

Part Number
095-902-586-XXX



MHF I LK Right-Angle Plug to RP-SMA Straight Bulkhead Jack, Rear Mount

Cable Type
1.13 mm

Part Number
095-902-588-XXX



MHF I LK Right-Angle Plug to RP-SMA Straight Bulkhead Jack, Rear Mount, IP67

Cable Type
1.13 mm

Part Number
095-902-587-XXX

MHF I LK to TNC



MHF I LK Right-Angle Plug to TNC Straight Bulkhead Jack, Front Mount, IP67

Cable Type
1.13 mm

Part Number
095-850-311-XXX



MHF I LK Right-Angle Plug to TNC Straight Bulkhead Jack, Rear Mount

Cable Type
1.13 mm

Part Number
095-850-309-XXX



MHF I LK Right-Angle Plug to TNC Straight Bulkhead Jack, Rear Mount, IP67

Cable Type
1.13 mm

Part Number
095-850-310-XXX

MHF I LK to RP-TNC



MHF I LK Right-Angle Plug to RP-TNC Straight Bulkhead Jack, Front Mount, IP67

Cable Type
1.13 mm

Part Number
095-850-314-XXX

ORDERING INFORMATION

MICRO-MINIATURE CABLE ASSEMBLIES

MHF I LK CABLE ASSEMBLIES

MHF I LK to RP-TNC



MHF I LK Right-Angle Plug to RP-TNC Straight Bulkhead Jack, Front Mount

Cable Type
1.13 mm

Part Number
095-850-313-XXX



MHF I LK Right-Angle Plug to RP-TNC Straight Bulkhead Jack, Rear Mount, IP67

Cable Type
1.13 mm

Part Number
095-850-315-XXX

AMC4 CABLE ASSEMBLIES

AMC4 to SMA



AMC4 Right-Angle Plug to SMA Straight Bulkhead Jack

Cable Type
1.13 mm

Part Number
095-902-488-XXX



AMC4 Right-Angle Plug to SMA Straight Bulkhead Jack, IP67

Cable Type
1.13 mm

Part Number
095-902-502-XXX

AMC4 to RP-SMA



AMC4 Right-Angle Plug to RP-SMA Straight Bulkhead Jack

Cable Type
1.13 mm

Part Number
095-902-501-XXX



AMC4 Right-Angle Plug to RP-SMA Straight Bulkhead Jack, IP67

Cable Type
1.13 mm

Part Number
095-902-503-XXX

ORDERING INFORMATION

MICRO-MINIATURE CABLE ASSEMBLIES

AMC4 CABLE ASSEMBLIES



AMC4 to FAKRA

AMC4 Right-Angle Plug to FAKRA Straight Plug

Cable Type
1.13 mm

Part Number
095-820-124-XXZ



AMC4 to TNC

AMC4 Right-Angle Plug to TNC Straight Bulkhead Jack, Front Mount, IP67

Cable Type
1.13 mm

Part Number
095-850-281-XXX



AMC4 Right-Angle Plug to TNC Straight Bulkhead Jack, Rear Mount, IP67

Cable Type
1.13 mm

Part Number
095-850-286-XXX



AMC4 Right-Angle Plug to TNC Straight Bulkhead Jack, Rear Mount

Cable Type
1.13 mm

Part Number
095-850-287-XXX



AMC4 to RP-TNC

AMC4 Right-Angle Plug to RP-TNC Straight Bulkhead Jack, Rear Mount, IP67

Cable Type
1.13 mm

Part Number
095-850-288-XXX



AMC4 Right-Angle Plug to RP-TNC Straight Bulkhead Jack, Front Mount, IP67

Cable Type
1.13 mm

Part Number
095-850-282-XXX



AMC4 Right-Angle Plug to RP-TNC Straight Bulkhead Jack

Cable Type
1.13 mm

Part Number
095-850-289-XXX

Note: 'XX,' 'XXX,' and 'XXXX' denotes length code. See component drawing for available lengths.



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