

Amphenol® RF

Global RF Solutions

FEATURES & BENEFITS

Easy Snap-On/Off Mating
Ultra Low Profile (2.5mm Mating Height)
Small Footprint (3mm x 3mm)
Custom Lengths to Meet any Requirement

APPLICATIONS

Wireless Internet (WiFi, WiMax, EvDO/EvDV)
RFID
Bluetooth
Inventory/Barcode Scanners
Handheld Devices



AMC Solutions

AMC Connectors

Amphenol manufactures a family of Amphenol Micro Coaxial (AMC) Connectors for use in applications with 50 Ohm impedance requirements. AMC connectors are low profile (2.5 mm of the board) and offer an extremely small board footprint (3mm x 3mm). This series is 100% compatible with the U.FL interface.

Specification

Electrical

Impedance	50 Ω
Frequency Range	0-6 GHz
VSWR	1.3 max. DC to 3 GHz 1.4 max. 3-6 GHz
Insulation resistance	500 MΩ min

Mechanical

Mating	Female contact holding force 0.15 N min Measured with a Ø 0.475 pin gauge
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Environmental

Temperature Range	- 40°C to +90°C
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AMC Plug Right Angle Jumpers

Cable Group	Part Number	Plating			Cable Length (mm)	Color	Cable Diameter (mm)
		Body	Contact	Insulator			
P2	A-1PA-113-300B2	Silver	Gold	PBT	300	Black	1.13mm
P2	A-1PA-113-100G2	Silver	Gold	PBT	100	Gray	1.13mm
P2	A-1PA-113-125W2	Silver	Gold	PBT	125	White	1.13mm
P2	A-1PA-113-150B2	Silver	Gold	PBT	150	Black	1.13mm
P2	A-1PA-113-180B2	Silver	Gold	PBT	180	Black	1.13mm
P3	A-1PA-132-100B2	Silver	Gold	PBT	100	Black	1.32mm
P3	A-1PA-132-125G2	Silver	Gold	PBT	125	Gray	1.32mm
P3	A-1PA-132-150W2	Silver	Gold	PBT	150	White	1.32mm
P3	A-1PA-132-180B2	Silver	Gold	PBT	180	Black	1.32mm
P3	A-1PA-132-300G2	Silver	Gold	PBT	300	Gray	1.32mm
P4	A-1PA-137-100W2	Silver	Gold	PBT	100	White	1.37mm
P4	A-1PA-137-125B2	Silver	Gold	PBT	125	Black	1.37mm
P4	A-1PA-137-150G2	Silver	Gold	PBT	150	Gray	1.37mm
P4	A-1PA-137-180W2	Silver	Gold	PBT	180	White	1.37mm
P4	A-1PA-137-300B2	Silver	Gold	PBT	300	Black	1.37mm

Custom Right Angle Plug Jumpers also available! For your convenience, please use the numbering system below to create your own part number:

A-1PAVWWW-XXXYZ

A: Series Name (A=AMC)

1PA: Plug

V: Connector Orientation

- (dash) – Both the Same Direction
- C – 90 deg. Clockwise Offset
- F – 180 deg. Offset
- R – 270 deg. Offset

WWW: Cable diameter (OD)

- 113 – 1.13mm
- 132 – 1.32mm (double shielded)
- 137 – 1.37mm

XXX: Cable length in mm

Y: Cable color:

- G – gray
- B – black
- W – white

Z: Number of terminated ends:

- 1
- 2



Also available are a wide variety of parts that fit on 1.13mm standard cables to include SMA, TNC, BNC, MMCX and 1.0/2.3.

AMC Jack Between Series Adapters

Part Number	Plating		Insulator	Interface #1	Interface #2	Mounting Style
	Body	Contact				
031-6101	Nickel	Gold	PTFE	TNC Jack R/P	AMC Jack	Panel Mount 2-Hole
031-6109	Nickel	Gold	PTFE	BNC Jack R/P	AMC Jack	Bulkhead Front Mount
031-6112	Nickel	Gold	PTFE	TNC Jack R/P	AMC Jack	Bulkhead Front Mount
901-10097	Gold	Gold	PTFE	SMA Jack R/P	AMC Jack	Bulkhead

AMC PCB Solutions

Part Number	Plating		Insulator
	Body	Contact	
A-1JB	Silver	Gold	LCB

Rev. C

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