



## Overview

Amphenol Micro Miniature Coaxial (AMMC) connectors are low profile (1.4 mm mated height) with an extremely small footprint (2 mm x 2 mm). Their space-saving design makes these connectors an optimal solution for portable and mobile devices. AMMC connectors are fully compatible with the Hirose W.FL and IPEX MHF III series.

Standard AMMC Jumper Cables are available and in stock at many of the most common distributors. These jumpers offer an AMMC right angle plug to AMMC right angle plug on industry standard black 0.81mm and 1.13mm Micro-Coaxial Cable. Custom solutions available upon request.

## Features and Benefits

- Supports high frequency transmission from DC to 6GHz
- Ideal for applications where space and weight are a concern
- Easy snap on/off mating
- Surface mount allows for higher PC board densities and automated pcb placement

## Applications

- Antennas
- Bluetooth
- GPS
- WLAN
- Cellular and Mobile Devices
- Tablets and Notebook Computers


## Amphenol RF

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For more information visit [www.amphenolrf.com](http://www.amphenolrf.com)  
or call 800.627.7100

## Ordering Information

### AMMC PCB Connectors

	Part Number	Part Description
	A-2JA	AMMC Straight PCB Jack, Surface Mount, 3000 Piece Reel, 50 Ohms

### AMMC Adapters

	Part Number	Part Description
	242290	AMMC Jack to SMA Plug
	242291	AMMC Jack to SMA Jack

### AMMC Jumper Assemblies



	A-2PA-	113-	100	B	2
<b>Series:</b>	AMC Jumper				
<b>Cable Type</b>	081* = 0.81mm 113* = 1.13mm				
<b>Assembly Length in mm (Dim L)</b>					
<b>Cable Color:</b>	B* = Black      W = White G = Gray        U = Blue R = Red         E = Green				
<b>No. of Terminated Ends (1 or 2*)</b>					

\* standard configuration options

## Technical Specifications

### Electrical

	AMMC PCB Mount Connectors	AMMC Jumpers
Impedance	50Ω, nominal	
Frequency Range	DC - 6 GHz	
Contact Resistance	Center Contact: 20 mΩ Max.	
	Outer Contact: 10 mΩ Max.	
Insulation Resistance	500 mΩ Min.	
Operating Voltage	500 VRMS	
DWV	No line or insulation breakdown: 200 VAC for 1 Min	
VSWR	1.3 Max. at DC - 3 GHz, 1.35 Max. at 3 - 6 GHz	1.300 Max. at DC - 3 GHz, 1.400 Max. at 3 - 6 GHz

### Mechanical

Durability	20 cycles
Temperature Range	-40° to +90°C
Mating	Withdrawl Force 4N Min. (initial) 2N Min. (after cycling)

### Materials and Finishes

Connector Body	Phosphor bronze, silver plated (0.76u Min.) over copper (1-2u)	
Connector Center Contact	Phosphor bronze, gold plated (0.2u min.) over nickel (2-3u)	Phosphor bronze, gold plated (0.07u min.) over nickel (1.3-2.5u)
Connector Insulator	PBT	
Cable Jacket	FEP	
Cable Dielectric	FEP	
Cable Center Conductor	Annealed copper wire stranded, silver plated	
Cable Outer Conductor	Annealed copper wire braid, silver plated	

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