

MCX Jack Bulkhead Mount Connector Crimp/Solder Attachment for LMR®-100A, PE-B100, PE-C100, RG174, RG174NM, RG316, RG188, PE-C100-LSZH



PE517878

Configuration

- MCX Jack Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: LMR®-100A, PE-B100, PE-C100, RG174, RG174NM, RG316, RG188, PE-C100-LSZH, LMR®-100-FR
- Bulkhead

Features

- Max. Operating Frequency 6 GHz
- Excellent VSWR of 1.2:1
- Gold over Nickel over Copper Plated Phosphor Bronze Contact

Applications

- General Purpose Test
- Rack and Panel Mount Applications
- Custom Cable Assemblies

Description

Pasternack's PE517878 MCX Jack Bulkhead Mount Connector Crimp/Solder Attachment for LMR®-100A, PE-B100, PE-C100, RG174, RG174NM, RG316, RG188, PE-C100-LSZH and LMR®-100-FR Cable is part of our full line of RF components available for same-day shipping. Our MCX jack connector operates up to a maximum frequency of 6 GHz and offers excellent VSWR of 1.2:1. This MCX bulkhead connector allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications.

Our MCX jack bulkhead connector PE517878 datasheet specifications and drawing with dimensions are shown below in this PDF. Pasternack's broad catalog of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. Whether the need is to provide an I/O for a board design, or simply create a custom cable assembly configuration, Pasternack has the right connector for the job. Pasternack can also expertly build your custom cable assemblies for you and ship same-day.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
VSWR			1.2:1	
Operating Voltage (AC)			250	Vrms
Dielectric Withstanding Voltage (AC)			750	Vrms
Inner Conductor DC Resistance			5	mOhms
Outer Conductor DC Resistance			2.5	mOhms
Insulation Resistance	10,000			MOhms
Impedance		50		Ohms

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 1	1 to 3				GHz
Insertion Loss, Max	0.1	0.15				dB

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Mechanical Specifications

Size	
Length	0.575 in [14.61 mm]
Width	0.315 in [8 mm]
Height	0.315 in [8 mm]
Weight	0.007 lbs [3.18 g]
Mating Cycles	500 Cycles
Engagement Force	5.6lbs [2.54kg]
Disengagement Force	1.8lbs [816.47g]

Material Specifications

Description	Material	Plating
Contact	Phosphor Bronze	Gold over Nickel over Copper
Insulation	PTFE	
Body	Brass	Gold over Nickel over Copper
Gasket	Silicone	
Crimp Sleeve	Brass	Gold over Nickel over Copper
Washer	Brass	Gold over Nickel over Copper

Environmental Specifications

Temperature	
Operating Range	-55 to +155 deg C
Humidity	MIL-STD-202, Method 106
Thermal Shock	MIL-STD-202, Method 107, Condition F
Salt Spray	MIL-STD-202, Method 101, Condition B

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

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MCX Jack Bulkhead Mount Connector Crimp/Solder Attachment for LMR®-100A, PE-B100, PE-C100, RG174, RG174NM, RG316, RG188, PE-C100-LSZH from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [MCX Jack Bulkhead Mount Connector Crimp/Solder Attachment for LMR®-100A, PE-B100, PE-C100, RG174, RG174NM, RG316, RG188, PE-C100-LSZH PE517878](https://www.pasternack.com/mcx-jack-lmr-100a-pe-b100-rg174-rg174nm-rg316-connector-pe517878.html)

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The information contained within this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part in order to implement improvements. Pasternack Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

PE517878 CAD Drawing

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