



MCX Jack Bulkhead Mount Connector Crimp/Solder Attachment for RG178, RG196, .177 inch D Hole

RF Connectors Technical Data Sheet

PE4886

Configuration

- MCX Jack Connector
- MIL-C-39012
- 50 Ohms
- Straight Body Geometry
- RG178, RG196 Interface Type
- Crimp/Solder Attachment
- Bulkhead

Features

- Max. Operating Frequency 6 GHz
- Good VSWR of 1.41:1
- Gold over Nickel Plated Beryllium Copper Contact
- 30 μ m minimum contact plating

Applications

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

Description

Pasternack's PE4886 MCX jack bulkhead connector with crimp/solder attachment for RG178 and RG196 (.177 inch D hole) 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 good VSWR of 1.41:1. 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 PE4886 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			1.41:1	
Operating Voltage (AC)			250	Vrms
Dielectric Withstanding Voltage (AC)			750	Vrms
High Potential Voltage at 4 and 7 MHz			500	Vrms
Corona Discharge at 70,000 feet			190	Vrms
Insulation Resistance	10,000			MOhms

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 RG178, RG196, .177 inch D Hole PE4886](#)



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Performance by Frequency

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

Electrical Specification Notes:
RF leakage: 55 dB at 2.5 GHz.

Mechanical Specifications

Size

Length	0.655 in [16.64 mm]
Width/Dia.	0.25 in [6.35 mm]
Weight	0.006 lbs [2.72 g]
Mating Cycles	500 Cycles

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold over Nickel 30 µin minimum
Insulation	PTFE	
Body	Brass	Nickel 100 µin minimum

Environmental Specifications

Temperature

Operating Range	-65 to +165 deg C
Humidity	MIL-STD-202, Method 106
Shock	MIL-STD-202, Method 213, Condition B
Vibration	MIL-STD-202, Method 204, Condition B
Thermal Shock	MIL-STD-202, Method 107, Condition F
Salt Spray	MIL-STD-202, Method 101, Condition B

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

Plotted and Other Data

Notes:

MCX Jack Bulkhead Mount Connector Crimp/Solder Attachment for RG178, RG196, .177 inch D Hole from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

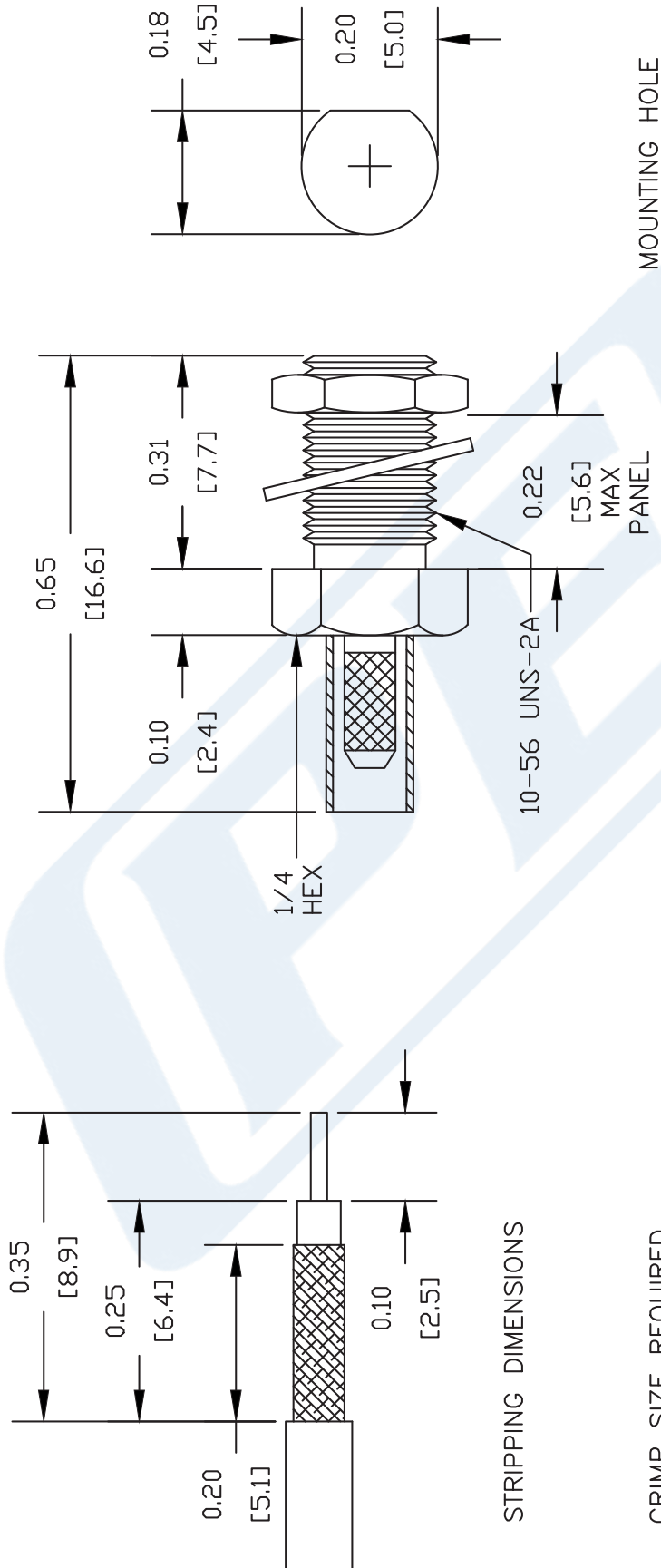
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URL: <https://www.pasternack.com/mcx-jack-standard-rg178-rg196-connector-pe4886-p.aspx>

The information contained in 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 reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

PE4886 CAD Drawing

MCX Jack Bulkhead Mount Connector Crimp/Solder
Attachment for RG178, RG196, .177 inch D Hole



- NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
 3. DIMENSIONS ARE IN INCHES [mm].
 4. FITS MIL-C-17 AND EQUIVALENT CABLES.

DWG TITLE

PE4886

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CAD FILE 061202

SCALE N/A

SIZE A

127