

MCX Plug Right Angle Connector Crimp/Solder Attachment for RG188-DS, RG316-DS



RF Connectors Technical Data Sheet

PE4879

Configuration

- MCX Plug Connector
- 50 Ohms

- Right Angle Body Geometry
- Connector Interface Types: RG188-DS, RG316-DS

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4879 Right Angle, MCX, Standard, Connector is part of our full line of RF components available for same-day shipping. Its right angle body geometry allows for easier connections in tight spaces.

Our MCX plug right angle connector PE4879 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.

| | | |
|-----------|----|------|
| Impedance | 50 | Ohms |
|-----------|----|------|

Mechanical Specifications

| | |
|--------|-------------------|
| Size | |
| Weight | 0.01 lbs [2.72 g] |

Material Specifications

| Description | Material | Plating |
|-------------|----------|---------|
| Body | Brass | Nickel |

Environmental Specifications

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

Plotted and Other Data

Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [MCX Plug Right Angle Connector Crimp/Solder Attachment for RG188-DS, RG316-DS PE4879](#)



MCX Plug Right Angle Connector Crimp/Solder Attachment for RG188-DS, RG316-DS

RF Connectors Technical Data Sheet

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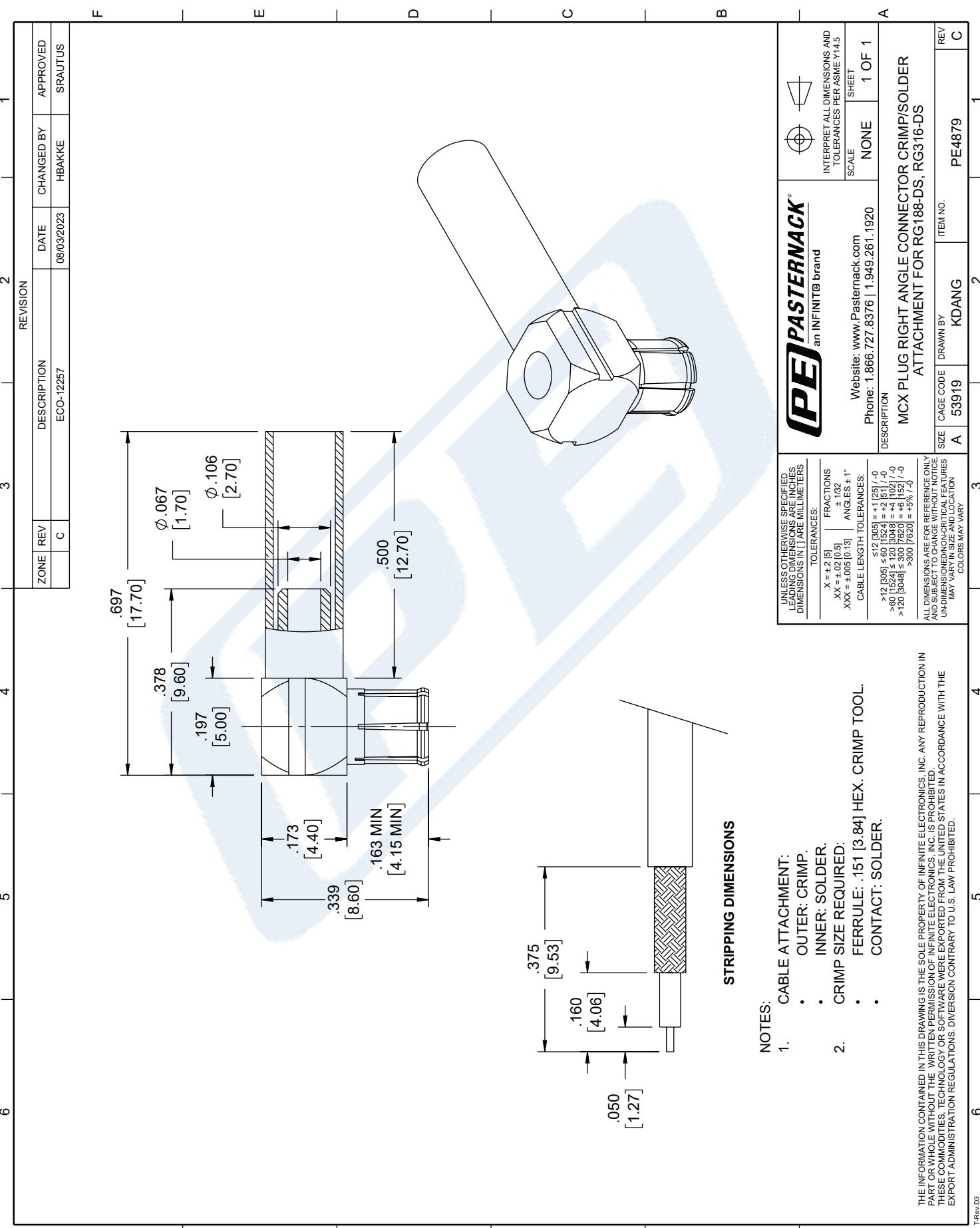
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URL: <https://www.pasternack.com/mcx-plug-rg188-ds-rg316-ds-connector-pe4879-p.aspx>

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.

PE4879 CAD Drawing

MCX Plug Right Angle Connector Crimp/Solder Attachment for RG188-DS, RG316-DS





SMA Male Right Angle Connector Clamp/Solder Attachment For RG188-DS, RG316-DS

TECHNICAL DATA SHEET

PE4407

SMA Male Right Angle Connector Clamp/Solder Attachment For RG188-DS, RG316-DS

Configuration

| | |
|--|--------------------|
| Connector | SMA Male |
| Connector Specification | MIL-C-39012 |
| Connector Interface Type | RG188-DS, RG316-DS |
| Cable Attachment Method (Shield/Contact) | Clamp/Solder |
| Body Style | Right Angle |

Electrical Specifications

| | |
|-----------------|----|
| Impedance, Ohms | 50 |
|-----------------|----|

Mechanical Specifications

| | |
|------------------------|---------------|
| Temperature | |
| Operating Range, deg C | -65 to +165 |
| Size | |
| Length, in [mm] | 0.715 [18.16] |
| Width/Dia., in [mm] | 0.312 [7.92] |
| Height, in [mm] | 0.615 [15.62] |
| Weight, lbs [g] | 0.013 [5.9] |

Connector

| | |
|-----------------------------------|---------------|
| Type | SMA Male |
| Contact Material and Plating | Gold |
| Contact Plating Specification | MIL-G-45204 |
| Coupling Nut Material and Plating | Brass, Nickel |
| Hex Size, in. | 5/16 |
| Torque, in-lbs [Nm] | 5 [0.57] |
| Body Material and Plating | Brass, Nickel |
| Dielectric Type | Teflon |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male Right Angle Connector Clamp/Solder Attachment For RG188-DS, RG316-DS PE4407](#)

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SMA Male Right Angle Connector Clamp/Solder Attachment For RG188-DS, RG316-DS

TECHNICAL DATA SHEET

PE4407

Compliance Certifications (visit www.Pasternack.com for current document)

Plotted and Other Data

Notes:

Values at 25 °C, sea level

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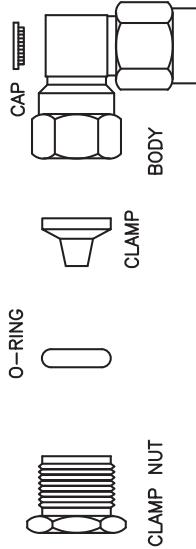
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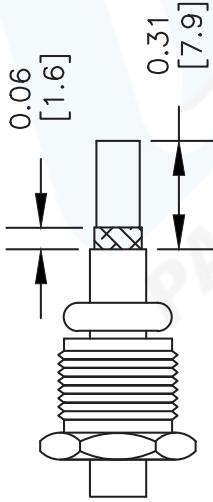
PE4407 CAD Drawing

SMA Male Right Angle Connector Clamp/Solder Attachment For RG188-DS, RG316-DS

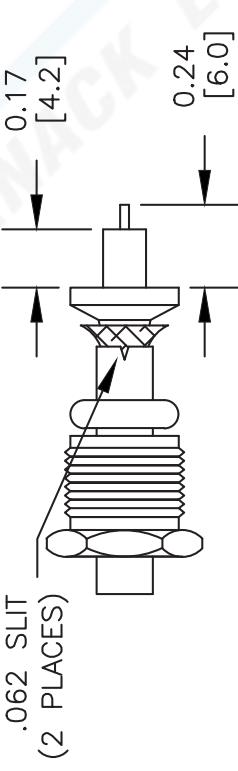


ASSEMBLY PROCEDURES

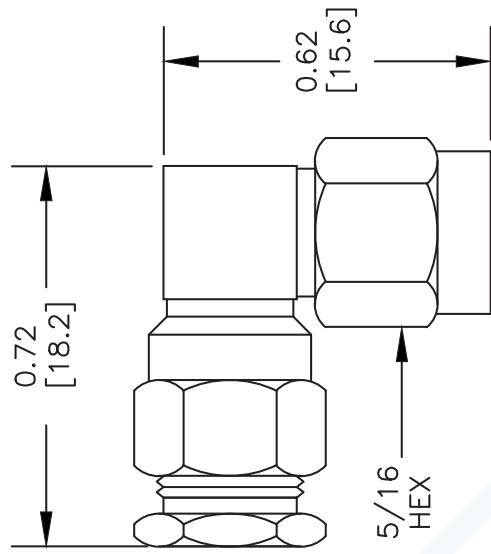
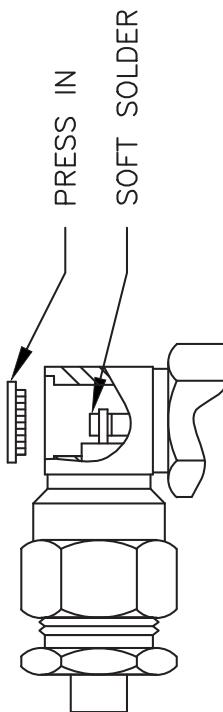
1. SLIDE CLAMP NUT AND O-RING ONTO CABLE. STRIP CABLE TO DIMENSIONS SHOWN. DO NOT NICK BRAID.



2. FLARE BRAID, SLIDE CLAMP OVER AND UNDER BRAID UNTIL THE CLAMP STOPS. TRIM EXCESS BRAID TO THE DIAMETER OF CLAMP SHOULDER. TRIM CABLE TO DIMENSIONS SHOWN. DO NOT NICK CENTER CONDUCTOR.



3. SLIDE ASSEMBLY INTO BODY, WITH CENTER CONDUCTOR STARTING INTO SLOT OF CONTACT. TIGHTEN NUT SECURELY. SOLDER CENTER CONDUCTOR TO CONTACT & PRESS CAP INTO BODY.



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
PE4407

FSCM NO. **53919**

CAD FILE

SCALE N/A

SIZE A

2233

PE PASTERNACK®

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Flexible RG316-DS Coax Cable Double Shielded with Tan FEP Jacket

RF Cables Technical Data Sheet

RG316-DS

Configuration

- Flexible Cable
- 2 Shield(s)

Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|-------------------------------|---------|---------------|---------|--------------|
| Frequency Range | DC | | 3 | GHz |
| Impedance | | 50 | | Ohms |
| Velocity of Propagation | | 69.5 | | % |
| Shielding Effectiveness | 85 | | | dB |
| Operating Voltage (AC) | | | 1,200 | Vrms |
| Inner Conductor DC Resistance | | | 83.82 | Ohms/1000ft |
| Outer Conductor DC Resistance | | | 5.33 | Ohms/1000ft |
| Nominal Capacitance | | 28.96 [95.01] | | pF/ft [pF/m] |
| Insulation Resistance | 304.8 | | | MOhms/1000ft |

Performance by Frequency Band

| Description | F1 | F2 | F3 | F4 | F5 | Units |
|-----------------------|-------|-------|--------|-------|--------|----------|
| Frequency | 0.1 | 0.4 | 1 | 2 | 3 | GHz |
| Attenuation, Max | 10.97 | 20.97 | 37.95 | 45.05 | 57.94 | dB/100ft |
| | 35.99 | 68.8 | 124.51 | 147.8 | 190.09 | dB/100m |
| Attenuation, Typ | 8.29 | 17.5 | 29 | 39.41 | 53.55 | dB/100ft |
| | 27.2 | 57.41 | 95.14 | 129.3 | 175.69 | dB/100m |
| Input Power (CW), Max | 375 | 185 | 120 | 85 | 65 | Watts |

Mechanical Specifications

| | |
|---------------------------------|--------------------------|
| Diameter | 0.114 in [2.9 mm] |
| Weight | 0.015 lbs/ft [0.02 Kg/m] |
| Min. Bend Radius (Installation) | 0.59 in [14.99 mm] |
| Min. Bend Radius (Repeated) | 1.57 in [39.88 mm] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG316-DS Coax Cable Double Shielded with Tan FEP Jacket RG316-DS](#)

Flexible RG316-DS Coax Cable Double Shielded with Tan FEP Jacket

RF Cables Technical Data Sheet

RG316-DS

Construction Specifications

| Description | Material and Plating | Diameter |
|-----------------|--------------------------------------|-------------------|
| Inner Conductor | Copper Clad Steel, Silver, 7 Strands | 0.02 in 0.51 mm |
| Conductor Type | Stranded | |
| Dielectric | PTFE | 0.06 in [1.52 mm] |
| First Shield | Silver Plated Copper Braid | |
| Second Shield | Silver Plated Copper Braid | 0.094 in 2.39 mm |
| Jacket | FEP, Tan | 0.114 in [2.9 mm] |

Environmental Specifications

Temperature

Operating Range

-55 to +200 deg C

Storage Range

0 to +40 deg C

Compliance Certifications

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

Plotted and Other Data

Notes:

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URL: <https://www.pasternack.com/flexible-0.114-rg316-ds-50-ohm-coax-cable-fep-jacket-rg316-ds-p.aspx>

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RG316-DS CAD Drawing

Flexible RG316-DS Coax Cable Double Shielded with Tan FEP Jacket

