



MMCX Jack Connector Crimp/Solder Attachment For RG316-DS, RG188-DS

RF Connectors Technical Data Sheet

PE44852

Configuration

- MMCX Jack Connector
- 50 Ohms
- Straight Body Geometry
- RG316-DS, RG188-DS Interface Type
- Crimp/Solder Attachment

Features

- Gold Plated Beryllium Copper Contact

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE44852 MMCX jack connector with crimp/solder attachment for RG316-DS and RG188-DS is part of our full line of RF components available for same-day shipping.

Our MMCX jack connector PE44852 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.

Mechanical Specifications

Size

| | |
|------------|--------------------|
| Length | 1 in [25.4 mm] |
| Width/Dia. | 0.157 in [3.99 mm] |
| Weight | 0.006 lbs [2.72 g] |

Material Specifications

| Description | Material | Plating |
|-------------|------------------|---------|
| Contact | Beryllium Copper | Gold |
| Insulation | PTFE | |
| Body | Brass | Gold |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [MMCX Jack Connector Crimp/Solder Attachment For RG316-DS, RG188-DS PE44852](#)



MMCX Jack Connector Crimp/Solder
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RF Connectors Technical Data Sheet

PE44852

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

Plotted and Other Data

Notes:

MMCX Jack Connector Crimp/Solder Attachment For RG316-DS, RG188-DS 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.

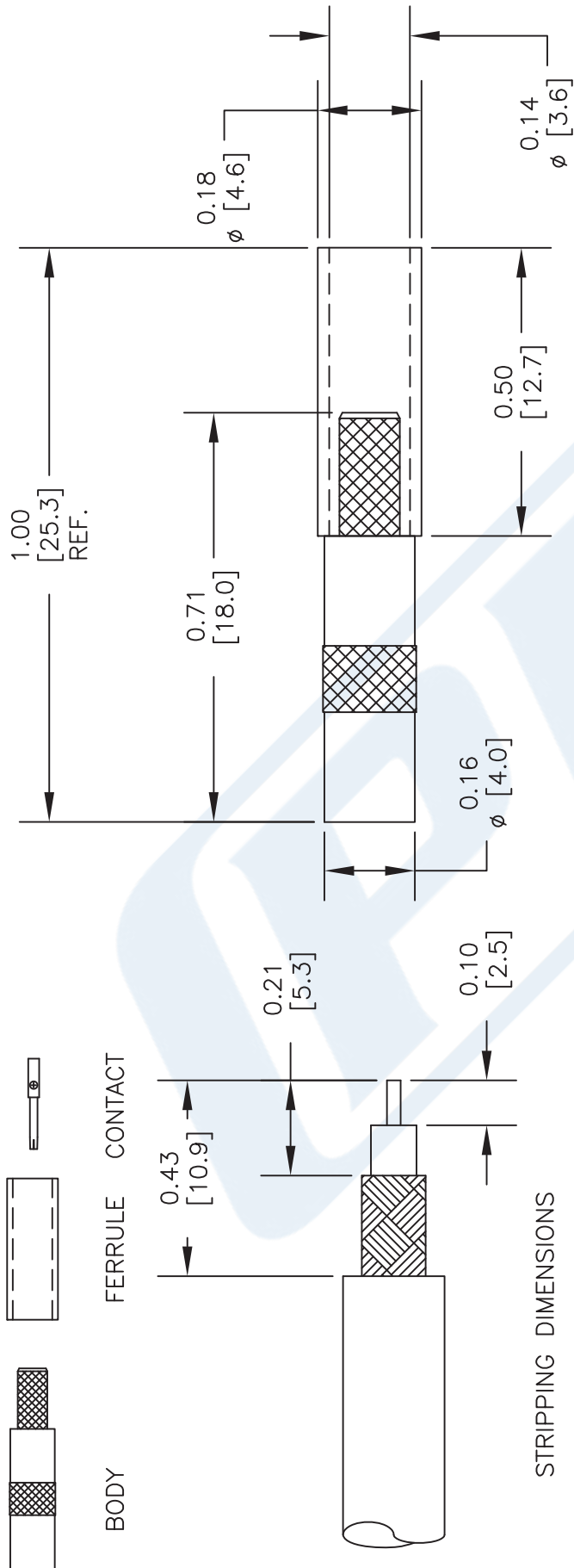
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URL: <https://www.pasternack.com/mmcx-jack-standard-rg316-ds-rg188-ds-connector-pe44852-p.aspx>

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.

PE44852 CAD Drawing

MMCX Jack Connector Crimp/Solder Attachment For RG316-DS, RG188-DS



BODY
FERRULE CONTACT

STRIPPING DIMENSIONS

CRIMP SIZE REQUIRED

CONTACT: SOLDER
FERRULE: 0.151" HEX CRIMP TOOL

STANDARD TOLERANCES

.X ±0.2
.XX ±0.1
.XXX ±0.05

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

DWG TITLE

PE44852

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].

CAGE CODE 53919

CAD FILE 011017

SCALE N/A

SIZE A

2233



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P.O. Box 16759 | Irvine | CA | 92623
Phone: (949) 261-1920 | Fax: (949) 261-7451
Website: www.pasternack.com | E-Mail: sales@pasternack.com



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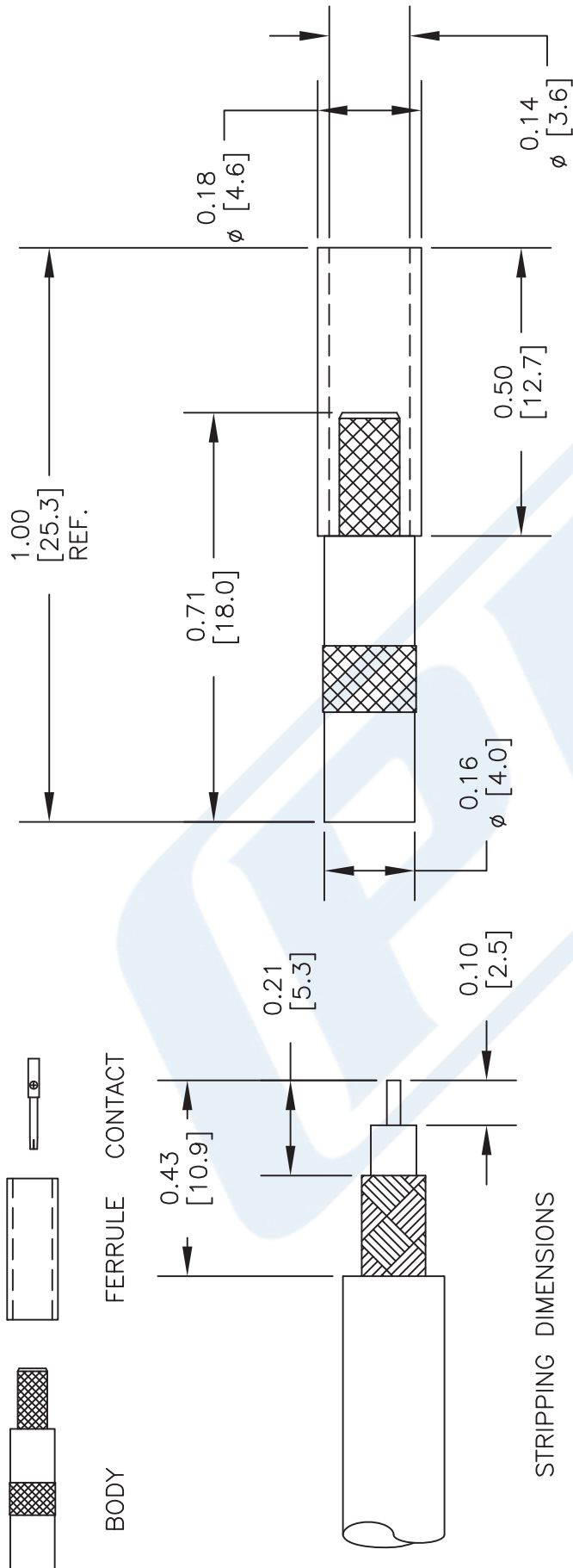
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PASTERNAK
THE ENGINEER'S RF SOURCE
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Website: www.pasternack.com | E-Mail: sales@pasternack.com

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:

Flexible RG316-DS Coax Cable Double Shielded with Tan FEP Jacket 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: [Flexible RG316-DS Coax Cable Double Shielded with Tan FEP Jacket RG316-DS](#)

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

| REVISIONS | | | |
|-----------|-----------------------|----------|----------|
| REV. | DESCRIPTION | DATE | APPROVED |
| 1.1 | PCR RG316-DS 20190701 | 07/15/19 | S.ELLIS |



| | | | |
|--|---------------|---|-------------------------|
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| TOLERANCES: X±.2 [5.08] .XX±.01 [.25] .XXX±.005 [.13] | | SHEET 1 OF 1 | |
| FRACTIONS ±.132 ANGLES ± 1° | | SCALE N/A | |
| ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY. | | www.pasternack.com e-mail: sales@pasternack.com | |
| THIRD-ANGLE PROJECTION | | PASTERNACK an INFINITO brand Pasternack Enterprises, Inc. P.O. Box 16759, Irvine, CA 92623. Phone: 1.949.261.1920 1.866.727.8376 Fax: 1.949.261.7451 | |
| SIZE A | CAGE 53919 | DRAWN BY K.Dang | PART NUMBER RG316-DS |
| | | | REV A |

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