



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  
Attachment For RG316-DS, RG188-DS

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.

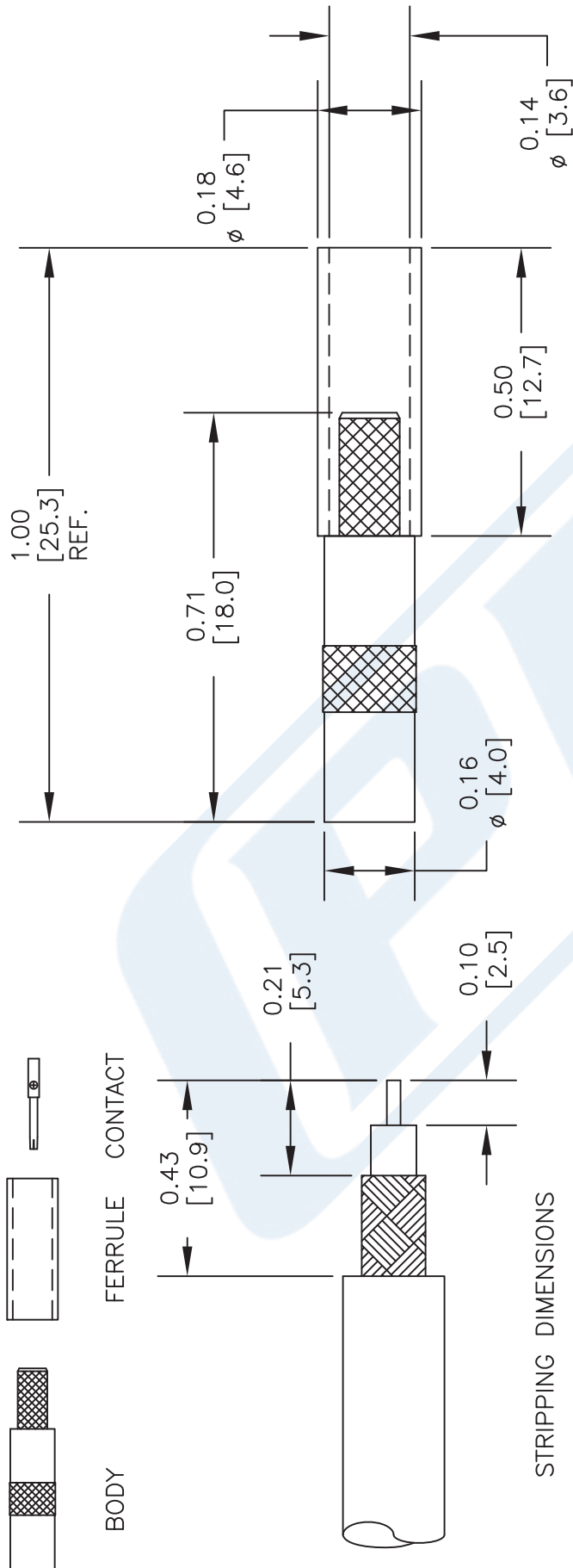
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [MMCX Jack Connector Crimp/Solder Attachment For RG316-DS, RG188-DS PE44852](#)

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



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

**PE PASTERNAK**  
 THE ENGINEER'S RF SOURCE

Pasternack Enterprises, Inc.  
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 Website: www.pasternack.com | E-Mail: sales@pasternack.com



## SMA Female Connector Crimp/Solder Attachment for RG188-DS, RG316-DS

### RF Connectors Technical Data Sheet

PE4416

#### Configuration

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

#### Features

- Max. Operating Frequency 18 GHz

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

Pasternack's PE4416 SMA female connector with crimp/solder attachment for RG188-DS and RG316-DS is part of our full line of RF components available for same-day shipping. Our SMA female connector operates up to a maximum frequency of 18 GHz.

Our SMA female connector PE4416 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		18	GHz
Dielectric Withstanding Voltage (AC)			750	Vrms

#### Mechanical Specifications

Weight 0.008 lbs [3.63 g]

#### Material Specifications

Description	Material	Plating
Body	Brass	Nickel

#### Environmental Specifications

##### Temperature

Operating Range -65 to +165 deg C

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Female Connector Crimp/Solder Attachment for RG188-DS, RG316-DS PE4416](#)



## SMA Female Connector Crimp/Solder Attachment for RG188-DS, RG316-DS

### RF Connectors Technical Data Sheet

PE4416

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

#### Plotted and Other Data

Notes:

SMA Female Connector Crimp/Solder Attachment for RG188-DS, RG316-DS 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: [SMA Female Connector Crimp/Solder Attachment for RG188-DS, RG316-DS PE4416](#)

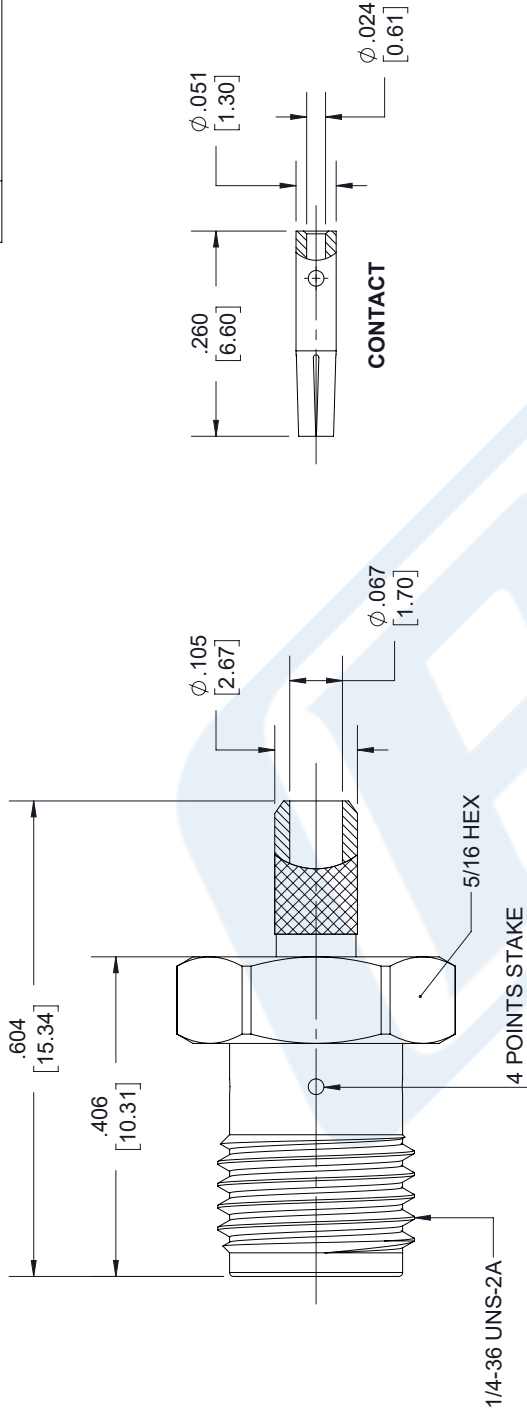
URL: <https://www.pasternack.com/sma-female-rg188-ds-rg316-ds-connector-pe4416-p.aspx>

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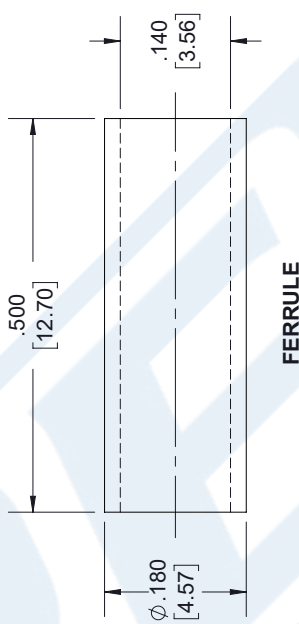
# PE4416 CAD Drawing

SMA Female Connector Crimp/Solder Attachment for RG188-DS, RG316-DS

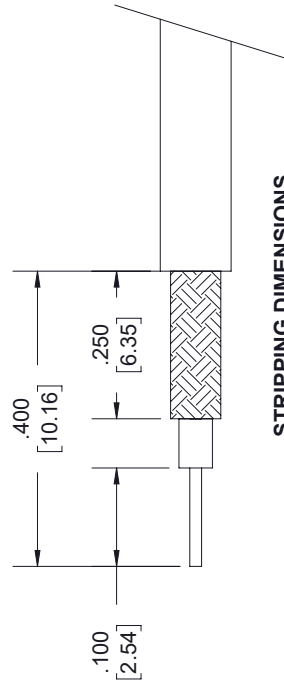
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
1.1	PCR PE4416 20190319	03/29/19	J.GARCIA



SMA FEMALE



FERRULE



STRIPPING DIMENSIONS

NOTES:

- CABLE ATTACHMENT:
  - OUTER: CRIMP.
  - INNER: SOLDER.
- CRIMP SIZE REQUIRED:
  - FERRULE: .151 [3.84] HEX. CRIMP TOOL
  - CONTACT: SOLDER.

UNLESS OTHERWISE SPECIFIED  
LEADING DIMENSIONS ARE INCHES  
DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:  
X $\pm$  2 [5.08] FRACTIONS  
XX $\pm$  .01 [ .25]  $\pm$  132  
XXX $\pm$  .005 [ .13] ANGLES  $\pm$  1°

ALL DIMENSIONS SHOWN  
ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION

**PE PASTERNAK**  
an INFINITO brand

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SIZE [CAGE] DRAWN BY PART NUMBER REV  
A 53919 K.DANG PE4416 A

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SHEET 1 OF 1  
SCALE N/A

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## Flexible RG188 Coax Cable Double Shielded with White PTFE Jacket

### RF Cables Technical Data Sheet

RG188-DS

#### Configuration

- Flexible Cable
- 2 Shield(s)

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		10	GHz
Impedance		50		Ohms
Dielectric Withstanding Voltage (AC)			2,000	Vrms
Nominal Capacitance		32 [104.99]		pF/ft [pF/m]

#### Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	0.01	0.1	1	5	10	GHz
Attenuation, Typ	3.8	11.5	30	79	133	dB/100ft
	12.47	37.73	98.43	259.19	436.35	dB/100m
Input Power (CW), Max	1,250	450	160	57		Watts

#### Mechanical Specifications

Diameter	0.118 in [3 mm]
Weight	0.016 lbs/ft [0.02 Kg/m]

#### 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 90% coverage	0.078 in [1.98 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG188 Coax Cable Double Shielded with White PTFE Jacket RG188-DS](#)

Flexible RG188 Coax Cable Double  
Shielded with White PTFE Jacket

RF Cables Technical Data Sheet

RG188-DS

Second Shield	Silver Plated Copper Braid 90% coverage	0.096 in [2.44 mm]
Jacket	PTFE, White	0.118 in [3 mm]

**Environmental Specifications**

**Temperature**

Operating Range

-55 to +200 deg C

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

**Plotted and Other Data**

Notes:

Flexible RG188 Coax Cable Double Shielded with White PTFE 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 RG188 Coax Cable Double Shielded with White PTFE Jacket RG188-DS](#)

URL: <https://www.pasternack.com/flexible-0.122-rg188-ds-50-ohm-coax-cable-ptfe-jacket-rg188-ds-p.aspx>

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# RG188-DS CAD Drawing

Flexible RG188 Coax Cable Double Shielded with White PTFE Jacket



DWG TITLE

**RG188-DS**

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CAD FILE 062817

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