



SMB Plug Connector Crimp/Solder Attachment
For RG316-DS, RG188-DS

TECHNICAL DATA SHEET

PE44792

SMB Plug Connector Crimp/Solder Attachment For RG316-DS, RG188-DS

Configuration

| | |
|--|--------------------|
| Connector | SMB Plug |
| Connector Specification | MIL-STD-348A |
| Connector Interface Type | RG316-DS, RG188-DS |
| Cable Attachment Method (Shield/Contact) | Crimp/Solder |
| Body Style | Straight |

Electrical Specifications

| | |
|---------------------------------------|---------|
| Frequency Range, GHz | DC to 4 |
| Impedance, Ohms | 50 |
| Maximum Operating Voltage, Volts | 335 |
| Dielectric Withstanding Voltage, Vrms | 1,000 |

Frequency 1

| | |
|----------------|---------|
| Frequency, GHz | DC to 3 |
| VSWR | 1.37:1 |

Mechanical Specifications

Temperature

| | |
|------------------------|-------------|
| Operating Range, deg C | -65 to +165 |
|------------------------|-------------|

Size

| | |
|---------------------|--------------|
| Length, in [mm] | 0.91 [23.11] |
| Width/Dia., in [mm] | 0.256 [6.50] |
| Weight, lbs [g] | 0.006 [2.72] |

Connector

| | |
|-------------------------------|------------------------|
| Type | SMB Plug |
| Contact Material and Plating | Beryllium Copper, Gold |
| Contact Plating Specification | 30µ in. minimum |
| Body Material and Plating | Brass, Nickel |
| Body Plating Specification | 100µ in. minimum |
| 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: [SMB Plug Connector Crimp/Solder Attachment For RG316-DS, RG188-DS PE44792](#)

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.



SMB Plug Connector Crimp/Solder Attachment
For RG316-DS, RG188-DS

TECHNICAL DATA SHEET

PE44792

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

Plotted and Other Data

Notes:

Values at 25 °C, sea level

SMB Plug 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 fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

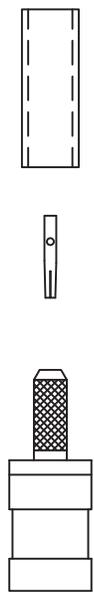
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMB Plug Connector Crimp/Solder Attachment For RG316-DS, RG188-DS PE44792](#)

URL: <http://www.pasternack.com/smb-plug-standard-rg316-ds-rg188-ds-connector-pe44792-p.aspx>

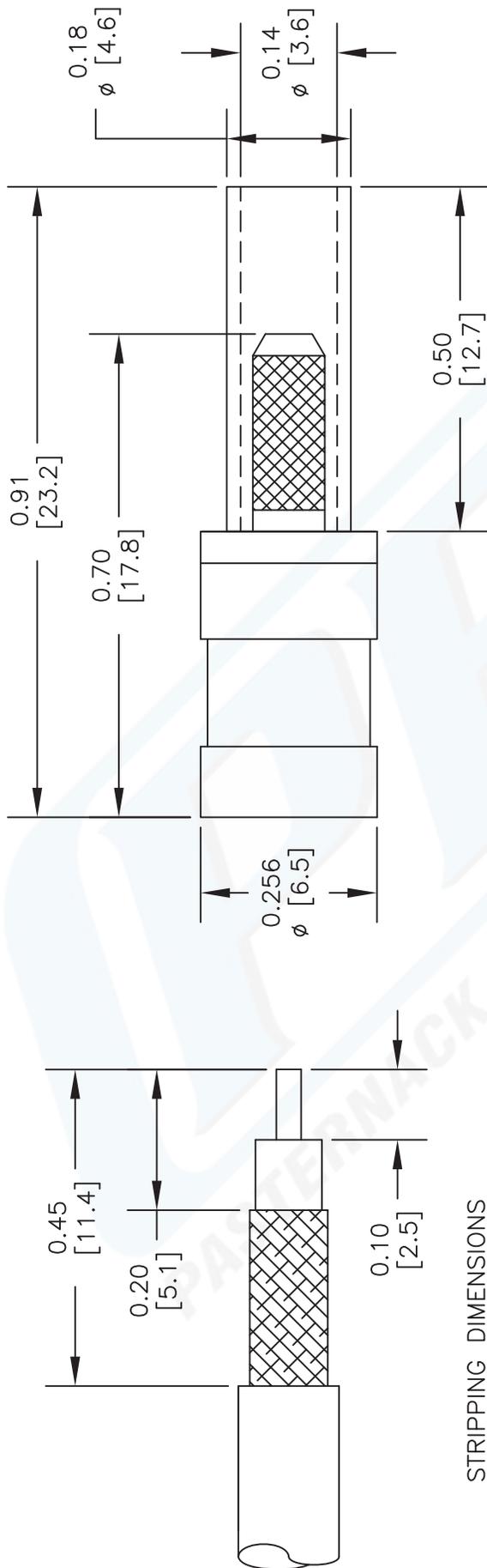
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PE44792 CAD Drawing

SMB Plug Connector Crimp/Solder Attachment For RG316-DS, RG188-DS



BODY CONTACT FERRULE



STRIPPING DIMENSIONS

CRIMP SIZE REQUIRED

CONTACT: SOLDER

FERRULE: .128" HEX CRIMP TOOL

DWG TITLE

PE44792

- 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.

FSCM NO. 53919

CAD FILE 100813

SCALE N/A

SIZE A

150



PASTERNAK®
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Banana Plug Connector Crimp/Solder Attachment for RG188-DS, RG316-DS

TECHNICAL DATA SHEET

PE45164

Configuration

| | |
|------------------------------------|--------------------|
| Connector | Banana Plug |
| Connector Interface Type | RG188-DS, RG316-DS |
| Attachment Method (Shield/Contact) | Crimp/Solder |
| Body Style | Straight |

Electrical Specifications

| | |
|-----------|--------|
| Impedance | 0 Ohms |
|-----------|--------|

Mechanical Specifications

Size

| | |
|------------|---------------------|
| Length | 2.54 in [64.52 mm] |
| Width/Dia. | 1.175 in [29.85 mm] |
| Height | 0.65 in [16.51 mm] |
| Weight | 0.041 lbs [18.6 g] |

Connector

| | |
|------------------------------|---------------|
| Type | Banana Plug |
| Contact Material and Plating | Brass, Nickel |
| Body Material and Plating | Brass, Nickel |
| Dielectric Type | ABS |

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

Not RoHS Compliant

Plotted and Other Data

Notes:

- Values at +25 °C, sea level

Banana Plug 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% availability and are part of the broadest selection in the industry.

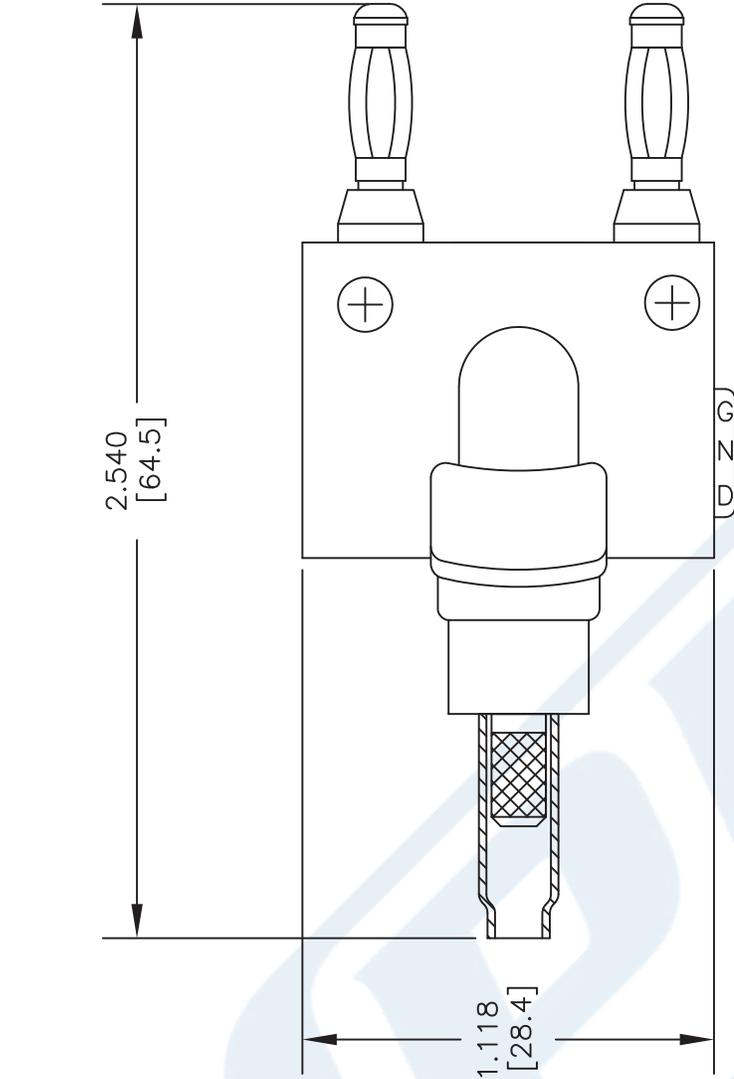
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Banana Plug Connector Crimp/Solder Attachment for RG188-DS, RG316-DS PE45164](http://www.pasternack.com/banana-plug-rg188-ds-rg316-ds-connector-pe45164-p.aspx)

URL: <http://www.pasternack.com/banana-plug-rg188-ds-rg316-ds-connector-pe45164-p.aspx>

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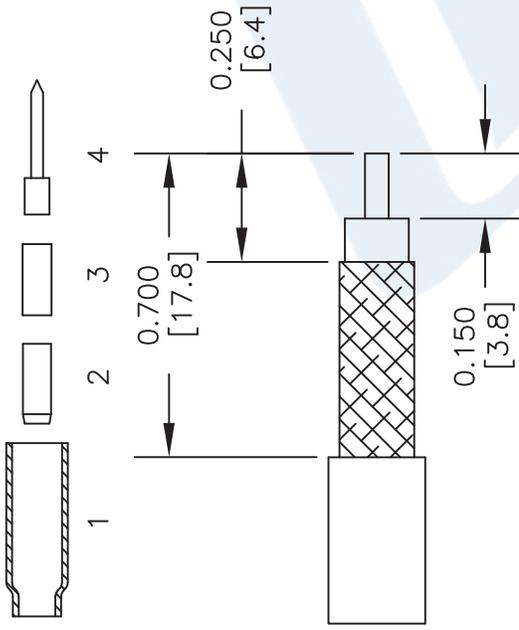
PE45164 CAD Drawing

Banana Plug Connector Crimp/Solder Attachment for RG188-DS, RG316-DS



CRIMP SIZE REQUIRED

CONTACT: .068" HEX CRIMP TOOL
 FERRULE: .178" HEX CRIMP TOOL



STRIPPING DIMENSIONS
ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN & SLIDE FERRULE (1) ONTO CABLE.
2. FLARE END OF CABLE BRAID & SLIDE METAL SPACER (2) & PTFE (3) SPACER OVER CABLE DIELECTRIC.
3. THE CONTACT (4) SHOULD BUTT AGAINST THE DIELECTRIC & PTFE SPACER. CRIMP CONTACT TO CABLE CENTER CONDUCTOR.
4. INSTALL CABLE ASSEMBLY INTO BODY SO THAT THE INNER FERRULE PORTION OF BODY SLIDES UNDER BRAID. PUSH CABLE ASSEMBLY FORWARD UNTIL CONTACT SITS IN PLACE. SLIDE FERRULE OVER BRAID AND UP AGAINST CONNECTOR BODY & CRIMP.

DWG TITLE

PE45164

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 4. FITS MIL-C-17 AND EQUIVALENT CABLES.

FSCM NO. 53919

CAD FILE 031815

SCALE N/A

SIZE A

2233



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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.

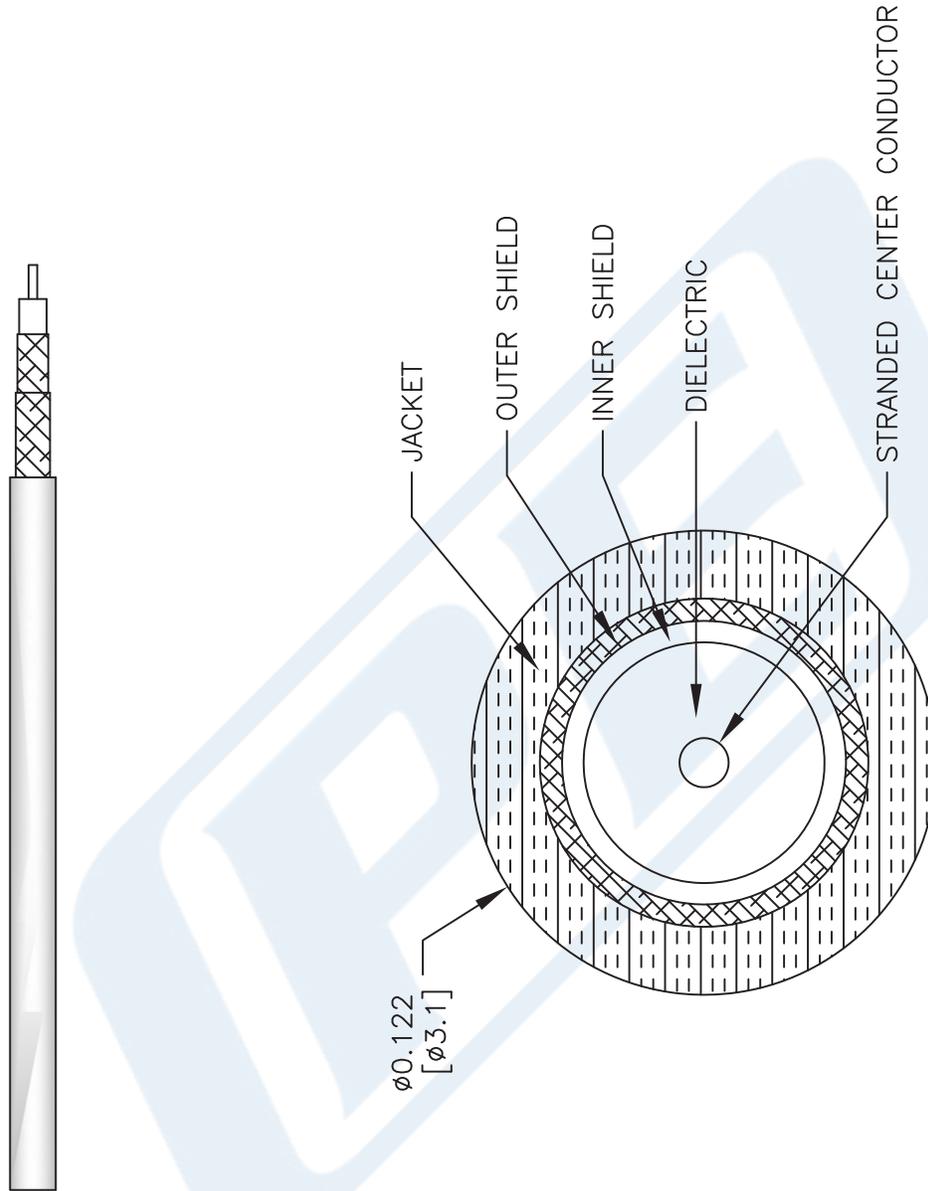
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG188 Coax Cable Double Shielded with White PTFE Jacket RG188-DS](#)

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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CAGE CODE 53919

CAD FILE 062817

SCALE N/A

SIZE A

2233



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