



SMC Jack Connector Crimp/Solder Attachment
for RG188-DS, RG316-DS

TECHNICAL DATA SHEET

PE45156

Configuration

| | |
|------------------------------------|--------------------|
| Connector | SMC Jack |
| Connector Specification | MIL-C-39012 |
| Connector Interface Type | RG188-DS, RG316-DS |
| Attachment Method (Shield/Contact) | Crimp/Solder |
| Body Style | Straight |

Electrical Specifications

| | |
|---------------------------|--------------|
| Frequency Range | DC to 10 GHz |
| Impedance | 50 Ohms |
| Maximum Operating Voltage | 335 Volts |

Mechanical Specifications

Size

| | |
|------------|--------------------|
| Length | 0.95 in [24.13 mm] |
| Width/Dia. | 0.235 in [5.97 mm] |
| Weight | 0.005 lbs [2.27 g] |

Connector

| | |
|-------------------------------|------------------|
| Type | SMC Jack |
| Contact Material and Plating | Brass, Gold |
| Contact Plating Specification | 30µ in. minimum |
| Body Material and Plating | Brass, Nickel |
| Body Plating Specification | 100µ in. minimum |
| Dielectric Type | Teflon |

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

| | |
|-----------------|------------|
| RoHS Compliant | |
| REACH Compliant | 06/18/2012 |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMC Jack Connector Crimp/Solder Attachment for RG188-DS, RG316-DS PE45156](#)



SMC Jack Connector Crimp/Solder Attachment for RG188-DS, RG316-DS

TECHNICAL DATA SHEET

PE45156

Plotted and Other Data

Notes:

- Values at +25 °C, sea level

SMC Jack 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.

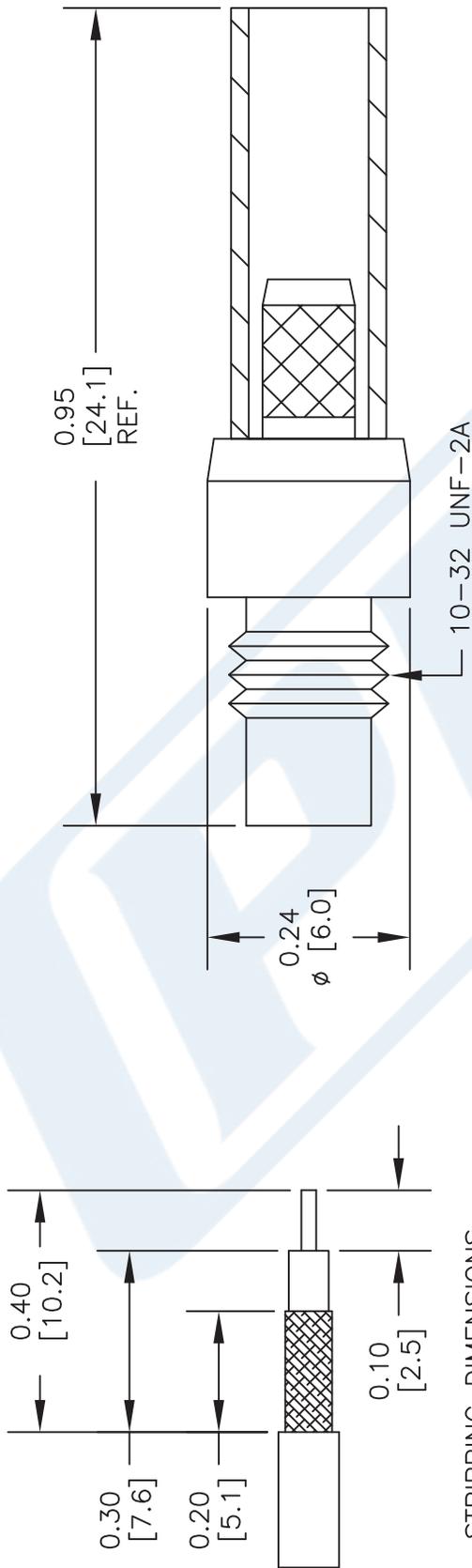
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URL: <http://www.pasternack.com/smc-jack-rg188-ds-rg316-ds-connector-pe45156-p.aspx>

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PE45156 CAD Drawing

SMC Jack Connector Crimp/Solder Attachment for RG188-DS, RG316-DS



STRIPPING DIMENSIONS

CRIMP SIZE REQUIRED

CONTACT: SOLDER
 FERRULE: .128" HEX CRIMP TOOL



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

DWG TITLE

PE45156

FSCM NO. 53919

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.

CAD FILE 031615

SCALE N/A

SIZE A

2233



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

TECHNICAL DATA SHEET

PE44874

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

Configuration

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

Electrical Specifications

| | |
|---------------------------------------|---------|
| Frequency Range, GHz | DC to 6 |
| Impedance, Ohms | 50 |
| Maximum VSWR | 1.22:1 |
| Maximum Operating Voltage, Volts | 250 |
| Dielectric Withstanding Voltage, Vrms | 500 |

Mechanical Specifications

Temperature

| | |
|------------------------|-------------|
| Operating Range, deg C | -55 to +155 |
|------------------------|-------------|

Size

| | |
|---------------------|--------------|
| Length, in [mm] | 0.64 [16.26] |
| Width/Dia., in [mm] | 0.18 [4.57] |
| Weight, lbs [g] | 0.003 [1.36] |

Connector

| | |
|-------------------------------|-----------------|
| Type | MMCX Plug |
| Contact Material and Plating | Brass, Gold |
| Contact Plating Specification | 30µ in. minimum |
| Body Material and Plating | Brass, Gold |
| Body Plating Specification | 3µ in. minimum |
| Dielectric Type | Teflon |

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

| | |
|----------------|-----|
| RoHS Compliant | Yes |
|----------------|-----|

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [MMCX Plug Connector Crimp/Solder Attachment For RG188-DS, RG316-DS PE44874](#)

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

TECHNICAL DATA SHEET

PE44874

Plotted and Other Data

Notes:

Values at 25 °C, sea level

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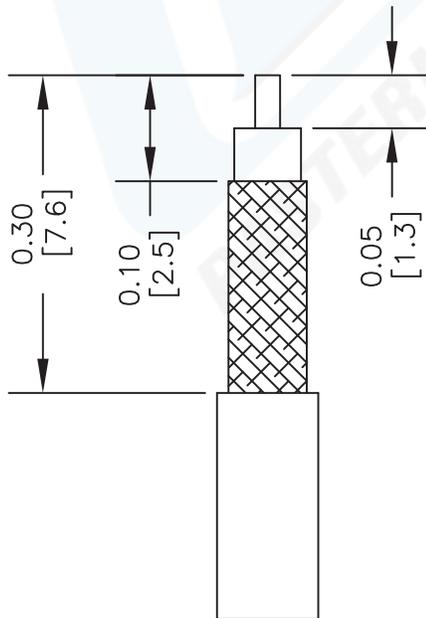
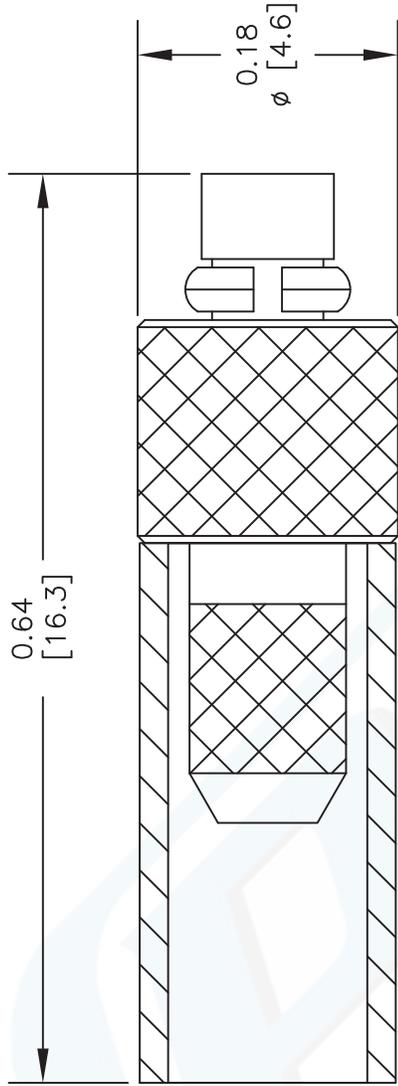
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PE44874 CAD Drawing

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



STRIPPING DIMENSIONS

CRIMP SIZE REQUIRED

CONTACT: SOLDER

FERRULE: .128" HEX CRIMP TOOL

DWG TITLE

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FSCM NO. 53919

CAD FILE

111413

SCALE N/A

SIZE A

2233



PASTERNAK[®]
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Website: www.pasternack.com | E-Mail: sales@pasternack.com

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:

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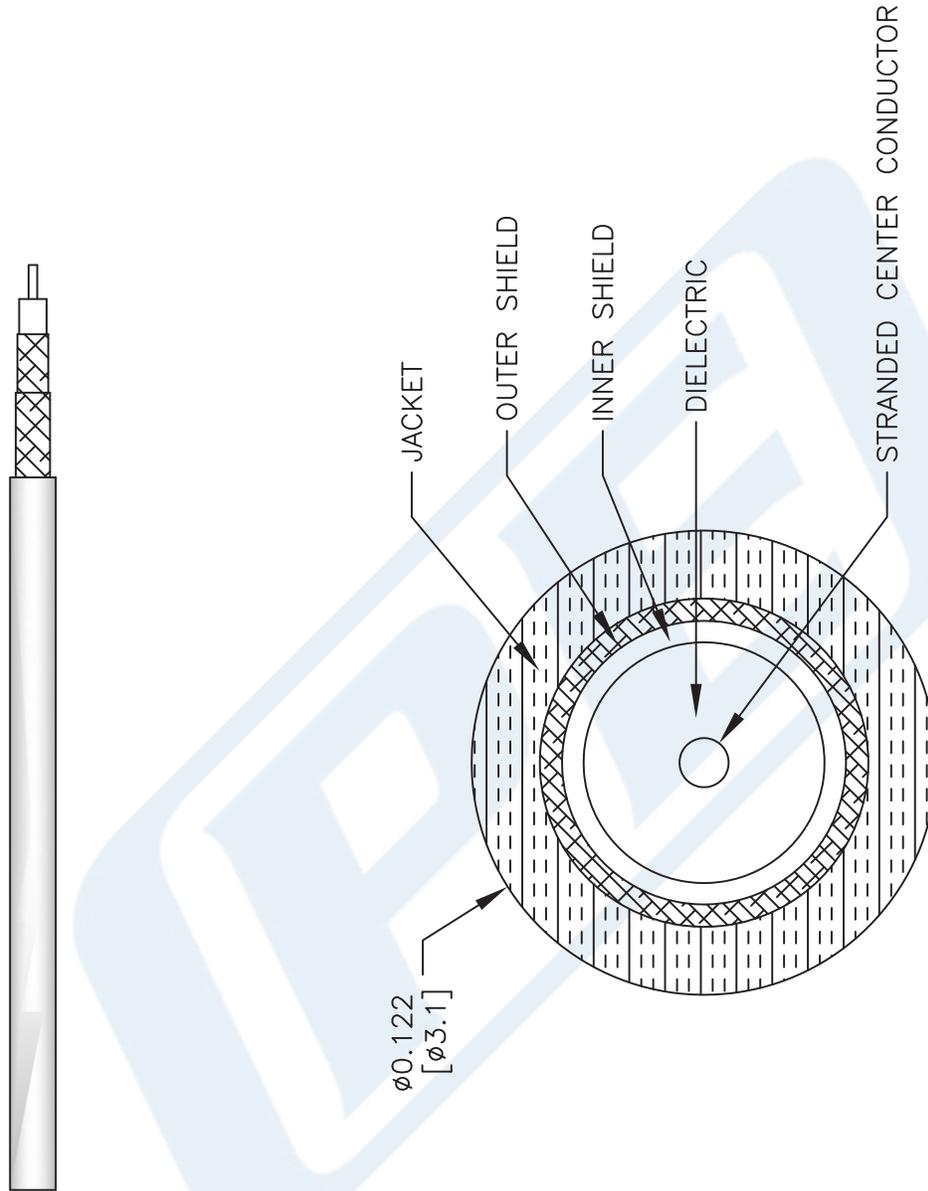
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URL: <https://www.pasternack.com/flexible-0.122-rg188-ds-50-ohm-coax-cable-ptfe-jacket-rg188-ds-p.aspx>

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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

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