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# SMB Plug Right Angle Connector Crimp/ Solder Attachment For RG178, RG196



## TECHNICAL DATA SHEET PE4159

**SMB Plug Right Angle Connector Crimp/Solder Attachment For RG178, RG196**

### Configuration

| | |
|---|---|
| Connector | SMB Plug |
| Connector Specification | MIL-STD-348A |
| Connector Interface Type | RG178,RG196 |
| Cable Attachment Method (Shield/Contact) | Crimp/Solder |
| Body Style | Right Angle |

### Electrical Specifications

| | |
|---|---|
| Frequency Range, GHz | DC to 3 |
| Impedance, Ohms | 50 |
| Maximum Operating Voltage, Volts | 250 |
| Dielectric Withstanding Voltage, Vrms | 750 |

### Mechanical Specifications

**Temperature**

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

**Size**

| | |
|---|---|
| Length, in [mm] | 0.53 [13.46] |
| Width/Dia., in [mm] | 0.256 [7] |
| Height, in [mm] | 0.62 [15.75] |
| 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 |

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

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

### Plotted and Other Data

| | |
|---|---|
| Notes: | Values at 25 °C, sea level |

URL: http://www.pasternack.com/smb-plug-standard-rg178-rg196-connector-pe4159-p.aspx

SMB Plug Right Angle Connector Crimp/Solder Attachment For RG178, RG196 from Pasternack Enterprises has same day shipment for domestic and International orders. We maintain 99% availability of the industry's broadest selection of RF, microwave and fiber optic products.

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.

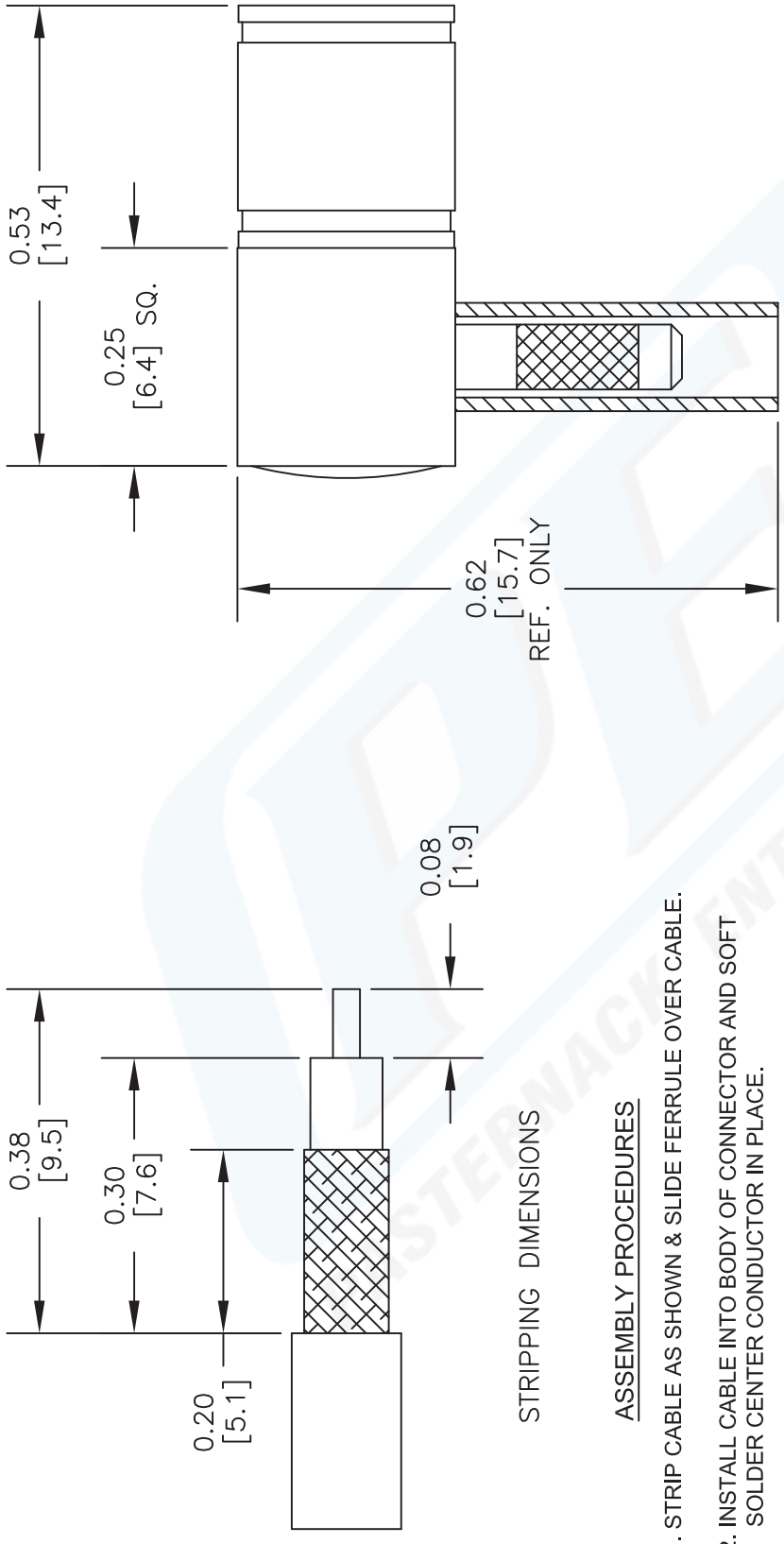
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# PE4159 CAD Drawing

SMB Plug Right Angle Connector Crimp/Solder Attachment For RG178, RG196




STRIPPING DIMENSIONS

ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN & SLIDE FERRULE OVER CABLE.
2. INSTALL CABLE INTO BODY OF CONNECTOR AND SOFT SOLDER CENTER CONDUCTOR IN PLACE.
3. CRIMP FERRULE & PRESS CAP DOWN.

CRIMP SIZE REQUIRED

FERRULE: .100" HEX CRIMP TOOL

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 | CAD FILE | SCALE | SIZE |
|---|---|---|---|
| PE4159 | 120111 | N/A | A |

| REV. | FSCM NO. | 2233 |
|---|---|---|
| A | 53919 | |

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