



SMA Male Connector Clamp/Solder Attachment for RG58, RG303, LMR-195, PE-P195

RF Connectors Technical Data Sheet

PE45140

Configuration

- SMA Male Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: RG58, RG303, LMR-195, PE-P195
- 5/16 Inch Hex

Features

- Max. Operating Frequency 12.4 GHz
- Good VSWR of 1.28:1
- Gold Plated Brass Contact
- 50μ in. minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE45140 SMA male connector with clamp/solder attachment for RG58, RG303, LMR-195 and PE-P195 is part of our full line of RF components available for same-day shipping. Our SMA male connector operates up to a maximum frequency of 12.4 GHz and offers good VSWR of 1.27:1.

Our SMA male connector PE45140 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		12.4	GHz
VSWR			1.28:1	
Operating Voltage (AC)			500	Vrms

Mechanical Specifications

Size

Length	0.88 in [22.35 mm]
Width/Dia.	0.49 in [12.45 mm]
Weight	0.034 lbs [15.42 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male Connector Clamp/Solder Attachment for RG58, RG303, LMR-195, PE-P195 PE45140](#)



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Material Specifications

Description	Material	Plating
Contact	Brass	Gold 50μ in. minimum
Insulation	Teflon	
Body	Brass	Gold 3μ in. minimum
Coupling Nut	Brass	Gold 3μ in. minimum

Mechanical Specification Notes:

When attaching the connector to the cable use a clamp torque value of 26 to 30 in-lbs [2.94 to 3.39 Nm]

Environmental Specifications

Temperature

Operating Range -65 to +165 deg C

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

Plotted and Other Data

Notes:

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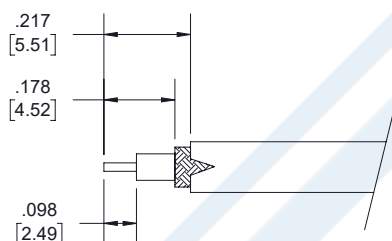


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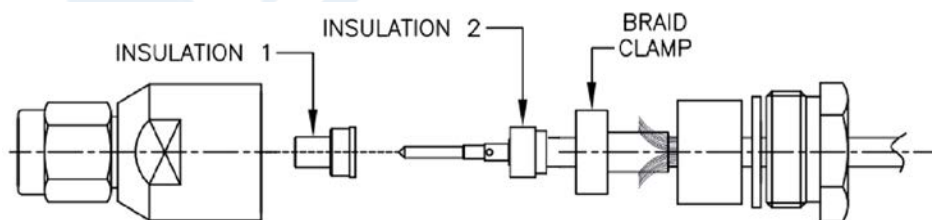
PE45140

Assembly Instruction



STRIPPING DIMENSIONS

1. STRIPPING CABLE TO DIMENSIONS SHOWN, DO NOT NICK CENTER CONDUCTOR OR BRAID.
2. SLIDE NUT, WASHER, GASKET OVER THE CABLE.
3. FLARE BRAID (UNTIL FLAT) AND INSTALL BRAID CLAMP AS SHOWN AND SLIDE ' INSULATION 2 '.
4. PUSH CENTER CONDUCTOR FULLY INTO THE CONTACT AND SOLDER, REMOVE ANY EXCESS SOLDER.
5. INSERT ' INSULATION 1 ' INTO THE BODY
6. INSERT THE CONTACT INTO THE BODY UNTIL IT SEATS.
7. ASSEMBLE THE BRAID CLAMP, GASKET, WASHER AND NUT, CLAMPING THE BRAID AS SHOWN, THEN TIGHTEN. RECOMMENDED TORQUE 3-6 IN-LBS.



Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male Connector Clamp/Solder Attachment for RG58, RG303, LMR-195, PE-P195 PE45140](#)



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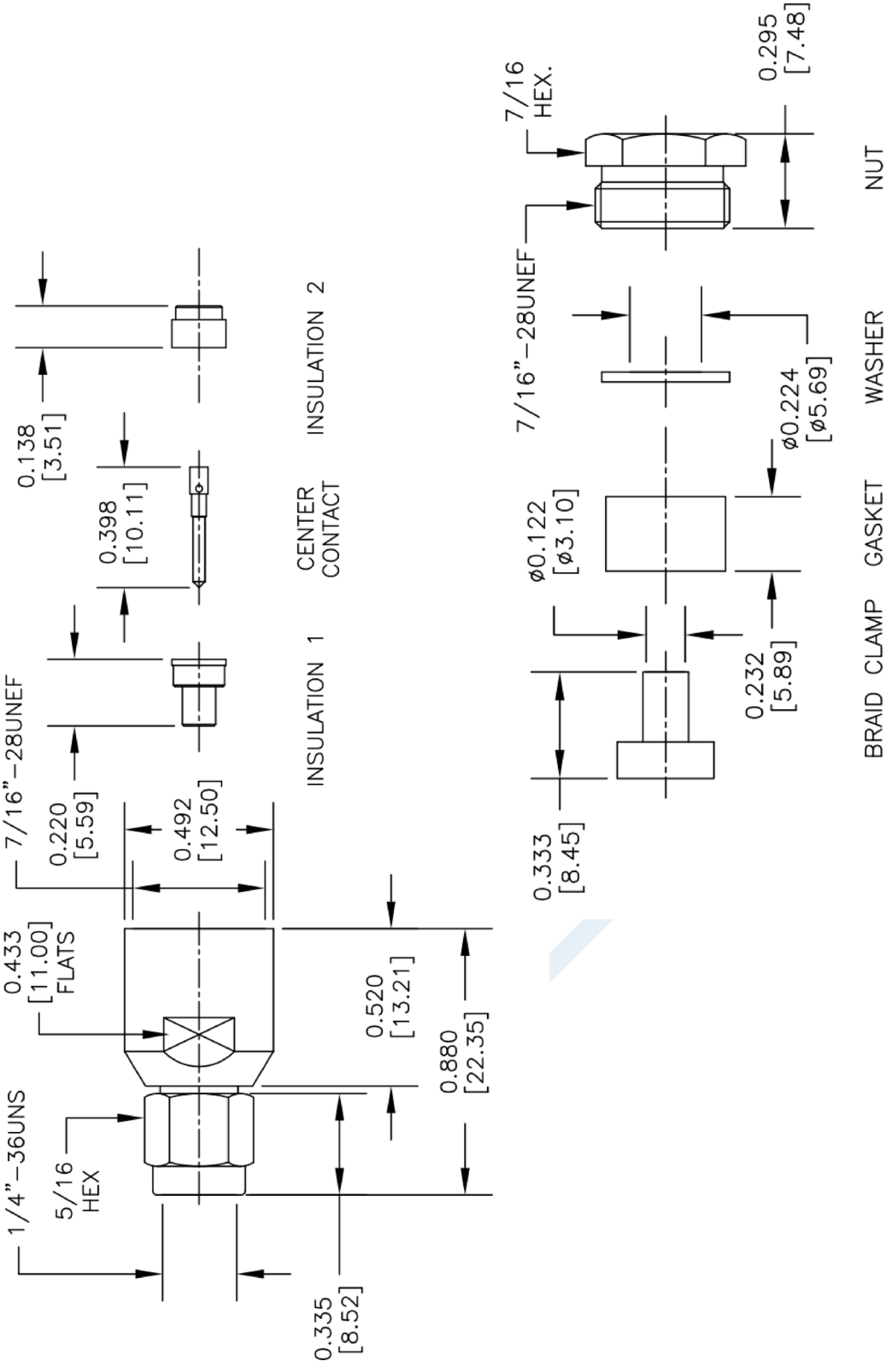
PE45140

SMA Male Connector Clamp/Solder Attachment for RG58, RG303, LMR-195, PE-P195 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 Male Connector Clamp/Solder Attachment for RG58, RG303, LMR-195, PE-P195 PE45140](https://www.pasternack.com/sma-male-rg58-rg303-lmr-195-pe-p195-connector-pe45140-p.aspx)

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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.



STANDARD TOLERANCES	
.X	±0.2
.XX	±0.01
.XXX	±0.005

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES



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DWG TITLE	
PE45140	
CAGE CODE	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].			
CAD FILE	05/09/18	SCALE	N/A
SIZE	A		7361