



7/16 DIN Female Connector Clamp/Solder
Attachment For 7/8 inch Helical

TECHNICAL DATA SHEET

PE44561

7/16 DIN Female Connector Clamp/Solder Attachment For 7/8 inch Helical

Configuration

Connector	7/16 DIN Female
Connector Specification	IEC60169-4
Connector Interface Type	7/8 inch Helical
Cable Attachment Method (Shield/Contact)	Clamp/Solder
Body Style	Straight

Electrical Specifications

Frequency Range, GHz	DC to 3
Impedance, Ohms	50
Maximum Return Loss, dB	28
Maximum Operating Voltage, Volts	2,700

Frequency 1

Frequency, GHz	DC to 2
Insertion Loss, dB	0.05
Power Handling, Watts	400

Mechanical Specifications

Temperature

Operating Range, deg C	-40 to +85
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Size

Length, in [mm]	2.55 [64.77]
Width/Dia., in [mm]	1.36 [34.54]
Weight, lbs [Kg]	7.9 [3.58]

Connector

Type	7/16 DIN Female
Contact Material and Plating	Beryllium Copper, Silver
Contact Plating Specification	5µ in. Minimum
Body Material and Plating	Brass, Tri-Metal
Body Plating Specification	2µ in. Minimum
Dielectric Type	TPX

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

RoHS Compliant	Yes
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Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [7/16 DIN Female Connector Clamp/Solder Attachment For 7/8 inch Helical PE44561](#)

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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Plotted and Other Data

Notes:

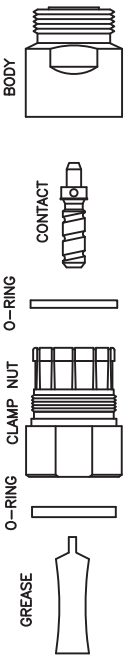
Values at 25 °C, sea level

7/16 DIN Female Connector Clamp/Solder Attachment For 7/8 inch Helical 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: [7/16 DIN Female Connector Clamp/Solder Attachment For 7/8 inch Helical PE44561](http://www.pasternack.com/7-16-female-standard-7-8-inch-helical-connector-pe44561-p.aspx)

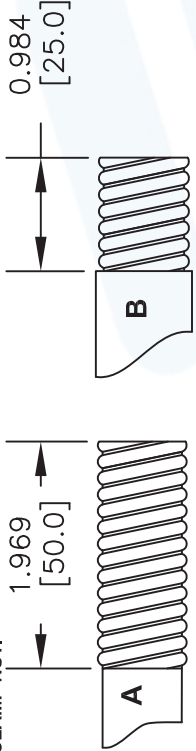
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ASSEMBLY PROCEDURES

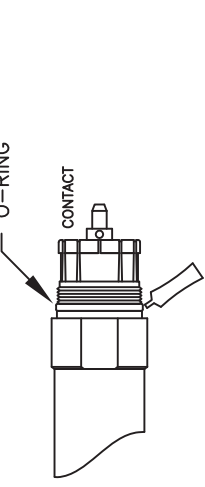
1. STRIP CABLE AS SHOWN IN A. CUT THE FOAM AND INNER & OUTER CONDUCTOR BACK 25mm IN B. GREASE O-RING INSIDE OF CLAMP NUT.



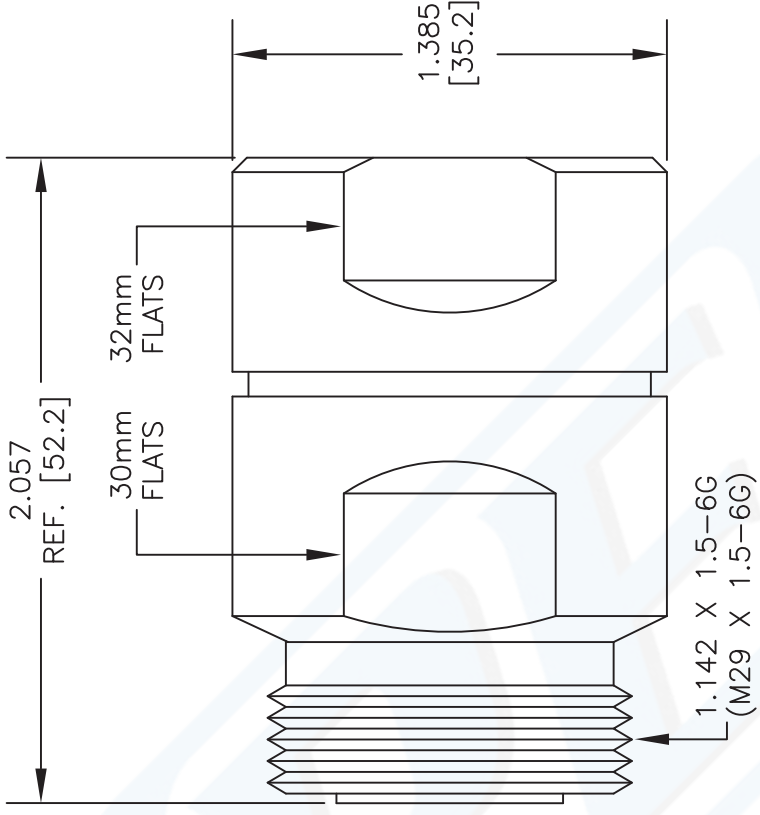
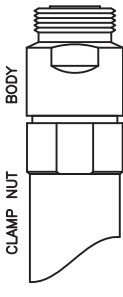
2. INSTALL CLAMP NUT ONTO CABLE. FLAIR OUT INNER & OUTER CONDUCTOR. DEBURR INNER & OUTER CONDUCTOR. SCREW CONTACT INTO THE INNER CONDUCTOR USING HOLE IN CONTACT.



3. KEEP THE CONTACT TIGHT BETWEEN INNER CONDUCTOR. SLIDE O-RING OVER THREAD AND SEAT INTO PLACE. GREASE O-RING.



4. HOLD CLAMP NUT STEADY & SCREW BODY TIGHTLY ONTO CABLE. CENTER CONDUCTOR WILL PROPERLY SEAT INSIDE THE BODY.



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DWG TITLE
PE44561
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 062013 SCALE N/A SIZE A XXXX