



7/16 DIN Male Connector Clamp/Solder Attachment for RG17, RG218, RG219

RF Connectors Technical Data Sheet

PE44277

Configuration

- 7/16 DIN Male Connector
- MIL-C-39012
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: RG17, RG218, RG219
- 1 1/4 inch Hex

Features

- Max. Operating Frequency 7.5 GHz
- Silver over Copper Plated Brass Contact
- Contact plating according to QQ-S-365

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE44277 7/16 DIN male connector with clamp/solder attachment for RG17, RG218 and RG219 is part of our full line of RF components available for same-day shipping. Our 7/16 DIN male connector operates up to a maximum frequency of 7.5 GHz.

Our 7/16 DIN male connector PE44277 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		7.5	GHz

Mechanical Specifications

Size	
Length	2.675 in [67.95 mm]
Width/Dia.	1.312 in [33.32 mm]
Weight	0.523 lbs [237.23 g]

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 Male Connector Clamp/Solder Attachment for RG17, RG218, RG219 PE44277](#)



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Material Specifications

Description	Material	Plating
Contact	Brass	Silver over Copper QQ-S-365
Insulation	PTFE	
Body	Brass	Nickel QQ-N-290
Coupling Nut	Brass	Nickel QQ-N-290

Environmental Specifications

Temperature

Operating Range

-62 to +200 deg C

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

Plotted and Other Data

Notes:

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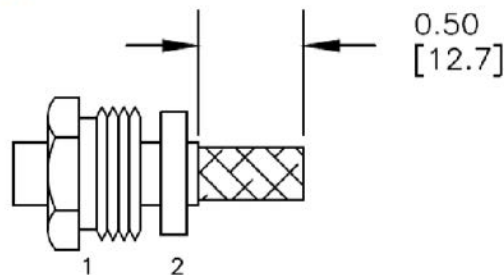
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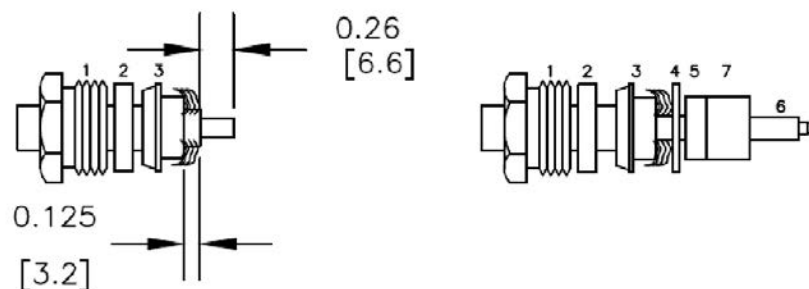
Assembly Instruction

ASSEMBLY PROCEDURES

1. SLIDE CLAMP NUT (1) & GASKET (2) OVER CABLE. STRIP CABLE AS SHOWN. DO NOT NICK BRAID WHILE CUTTING JACKET. COMB OUT BRAID. TAPER END OF BRAID TO PERMIT ASSEMBLY OF THE BRAID CLAMP (3). SLIDE BRAID CLAMP (3) OVER BRAID & AGAINST CABLE



2. FORM BRAID OVER CLAMP NUT (3). CUT DIELECTRIC & CENTER CONDUCTOR TO DIMENSION SHOWN. SLIDE WASHER (4) & REAR INSULATOR (5) OVER DIELECTRIC. SOLDER CONTACT (6) TO CENTER CONDUCTOR. SLIDE FRONT INSULATOR (7) OVER CONTACT. INSERT CABLE ASSEMBLY INTO BODY & TIGHTEN.



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7/16 DIN Male Connector Clamp/Solder Attachment for RG17, RG218, RG219 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: [7/16 DIN Male Connector Clamp/Solder Attachment for RG17, RG218, RG219 PE44277](https://www.pasternack.com/7-16-male-standard-rg218-connector-pe44277-p.aspx)

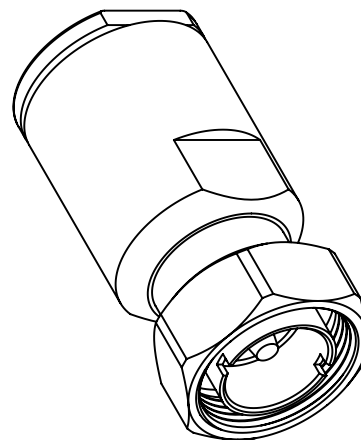
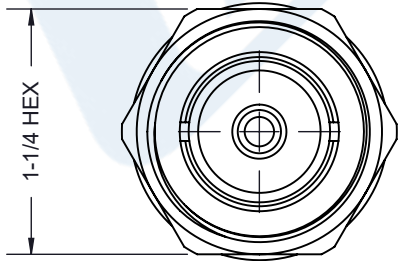
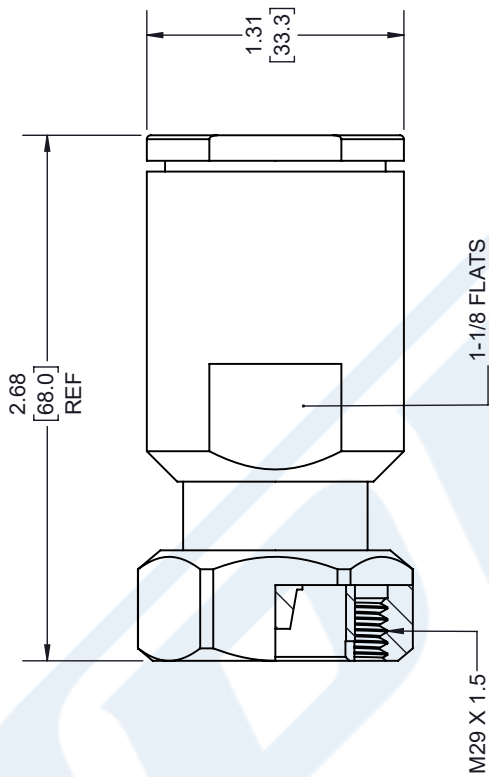
URL: <https://www.pasternack.com/7-16-male-standard-rg218-connector-pe44277-p.aspx>

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.

PE44277 CAD Drawing

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	PCR PE44277	10/23/2020	S. ELLIS



UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:

.X = ±.2 [508] FRACTIONS
 .XX = ±.02 [51] ±1/32
 .XXX = ±.005 [13] ANGLES ± 1°

CABLE LENGTH (L), TOLERANCES:

L ≤ 12 [305] = +1 [25] / -0
 12 [305] < L ≤ 60 [1524] = +2 [51] / -0
 60 [1524] < L ≤ 120 [3048] = +4 [102] / -0
 120 [3048] < L ≤ 300 [7620] = +6 [152] / -0
 300 [7620] < L = +5% / -0

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

PE PASTERNAK
 an INFINITE brand

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SIZE A CAGE CODE 53919 DRAWN BY K.DANG ITEM NO. PE44277

THIRD-ANGLE PROJECTION

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SHEET 1 OF 2

SCALE N/A

REV A