



TNC Male Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393

RF Connectors Technical Data Sheet

PE4447

Configuration

- TNC Male Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- RG214, RG9, RG225, RG393 Interface Type
- Crimp/Solder Attachment

Features

- Max. Operating Frequency 6 GHz
- Good VSWR of 1.4:1
- Gold Plated Brass Contact
- 30 µin minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4447 TNC male connector with crimp/solder attachment for RG214, RG9, RG225 and RG393 is part of our full line of RF components available for same-day shipping. Our TNC male connector operates up to a maximum frequency of 6 GHz and offers good VSWR of 1.4:1.

Our TNC male connector PE4447 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		6	GHz
VSWR			1.4:1	
Operating Voltage (AC)			500	Vrms

Mechanical Specifications

Size

Length	1.366 in [34.7 mm]
Width/Dia.	0.591 in [15.01 mm]
Weight	0.043 lbs [19.5 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Male Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393 PE4447](#)



TNC Male Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393

RF Connectors Technical Data Sheet

PE4447

Material Specifications

Description	Material	Plating
Contact	Brass	Gold 30 µin minimum
Insulation	PTFE	
Body	Brass	Nickel 100 µin minimum
Coupling Nut	Brass	Nickel 100 µin minimum

Environmental Specifications

Temperature

Operating Range

-65 to +165 deg C

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

Plotted and Other Data

Notes:

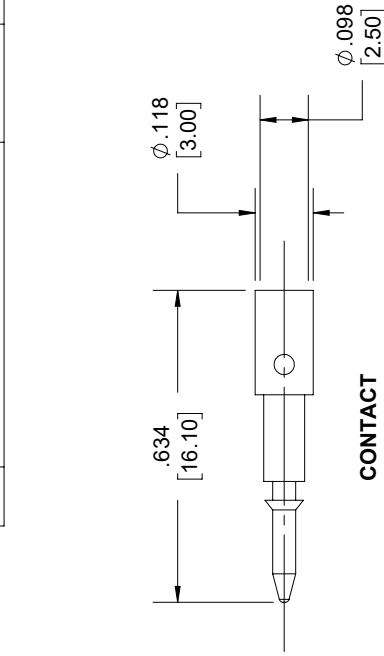
TNC Male Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393 from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Male Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393 PE4447](#)

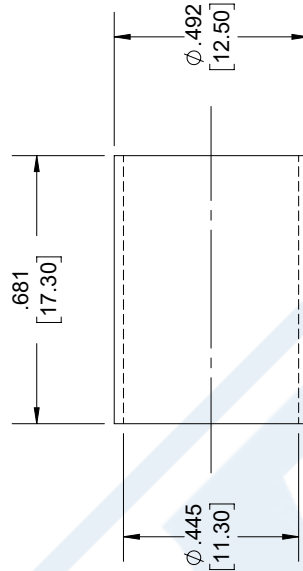
URL: <https://www.pasternack.com/tnc-male-standard-rg214-rg9-rg225-rg393-connector-pe4447-p.aspx>

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.

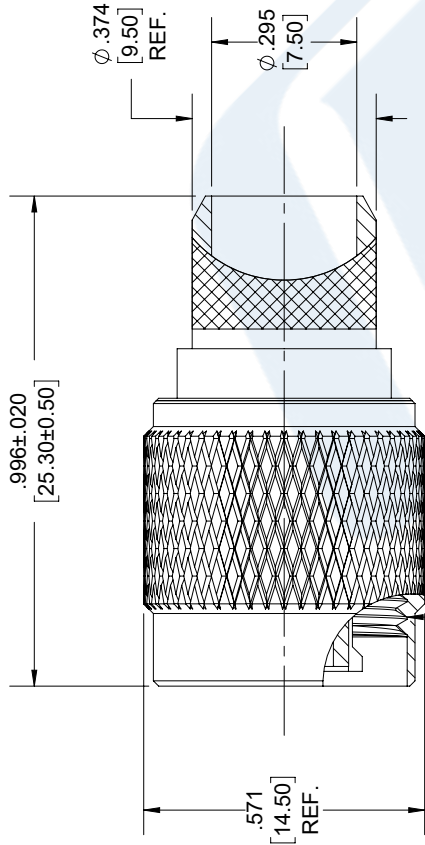
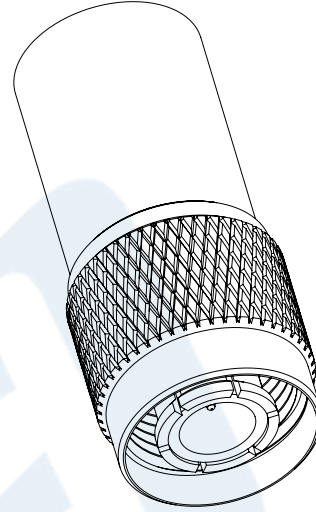
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
2.1	PCR PE4447 20190612	06/17/19	SELLIS



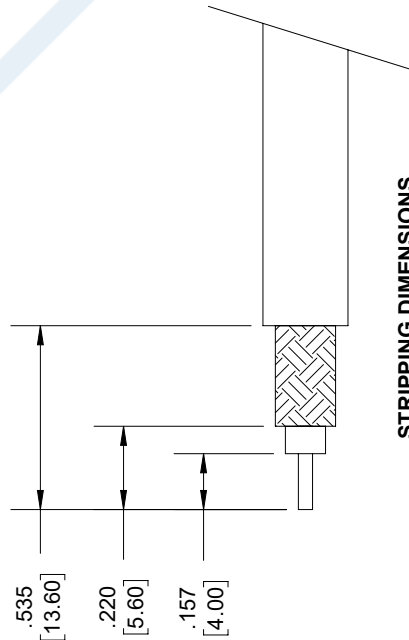
CONTACT



FERRULE



7/16-28 UNEF



STRIPPING DIMENSIONS

NOTES:

- CABLE ATTACHMENT:
 - OUTER: CRIMP.
 - INNER: SOLDER.
- CRIMP SIZE REQUIRED:
 - FERRULE: .429 [10.90] HEX. CRIMP TOOL

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE IN INCHES DIMENSIONS IN [] ARE MILLIMETERS	
TOLERANCES:	FRACTIONS
X±.2 [5.08]	±.132
XX±.01 [0.25]	±.005
XXX±.005 [0.13]	±.001
ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.	
THIRD-ANGLE PROJECTION	

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SCALE	N/A
REV	2.1
DRAWN BY	PE4447
CAGE	KDANG
SIZE	A
PART NUMBER	53919

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7/16 DIN Male Right Angle Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG225, RG393, RG215

RF Connectors Technical Data Sheet

PE44280

Configuration

- 7/16 DIN Male Connector
- MIL-C-39012
- 50 Ohms
- Right Angle Body Geometry
- RG213, RG214, RG8, RG9, RG225, RG393, RG215 Interface Type
- Clamp/Solder Attachment
- 1 1/4 inch Hex

Features

- Silver Plated Contact
- Contact plating according to QQ-S-365

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE44280 7/16 DIN male right angle connector with clamp/solder attachment for RG213, RG214, RG8, RG9, RG225, RG393 and RG215 is part of our full line of RF components available for same-day shipping. Its right angle body geometry allows for easier connections in tight spaces.

Our 7/16 DIN male right angle connector PE44280 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.

Mechanical Specifications

Size

Length	1.875 in [47.63 mm]
Width/Dia.	1.25 in [31.75 mm]
Height	1.84 in [46.74 mm]
Weight	0.351 lbs [159.21 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 Right Angle Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG225, RG393, RG215 PE44280](#)



7/16 DIN Male Right Angle Connector Clamp/Solder Attachment
for RG213, RG214, RG8, RG9, RG225, RG393, RG215

RF Connectors Technical Data Sheet

PE44280

Material Specifications

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

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

Plotted and Other Data

Notes:

7/16 DIN Male Right Angle Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG225, RG393, RG215 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.

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 Right Angle Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG225, RG393, RG215 PE44280](#)

URL: <https://www.pasternack.com/7-16-male-standard-rg213-rg214-rg8-rg9-rg225-rg393-connector-pe44280-p.aspx>

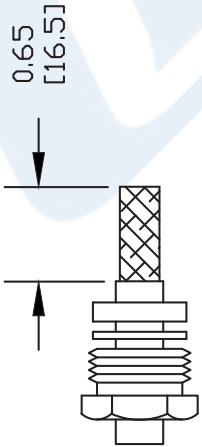
The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such 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.

PE44280 CAD Drawing

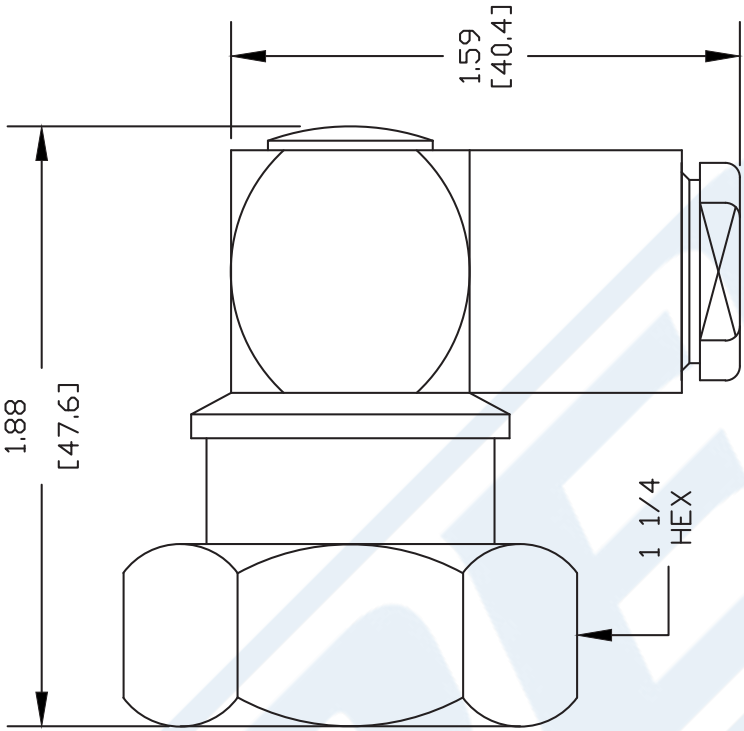
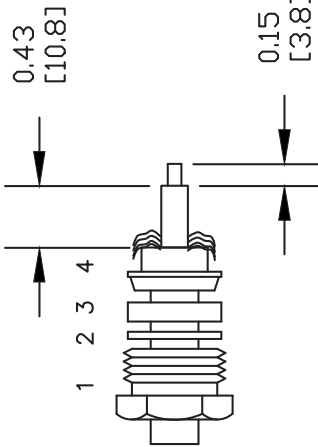
7/16 DIN Male Right Angle Connector Clamp/Solder Attachment
for RG213, RG214, RG8, RG9, RG225, RG393, RG215

ASSEMBLY PROCEDURES

1. SLIDE CLAMP NUT (1), WASHER (2) & GASKET (3) OVER CABLE. STRIP CABLE AS SHOWN IN A. DO NOT NICK BRAID WHILE CUTTING JACKET. TAPER END OF BRAID TO PERMIT ASSEMBLY OF BRAID CLAMP (4). SLIDE BRAID CLAMP (4) OVER BRAID & SEAT AGAINST CABLE. CUT BRAID TO DIMENSION SHOWN IN B.



2. FORM BRAID OVER CLAMP NUT (4). TRIM BRAID BACK TO SHOULDER. CUT DIELECTRIC & CENTER CONDUCTOR TO DIMENSION SHOWN. DO NOT NICK CENTER CONDUCTOR. TIN CENTER CONDUCTOR. SLIDE ASSEMBLY INTO BODY, SOLDER CENTER CONDUCTOR IN PLACE, TIGHTEN CLAMP NUT & SCREW CAP



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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

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
PE44280

REV. -	FSCM NO. 53919	CAD FILE 012004	SCALE N/A	SIZE A	127
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Flexible RG393 Coax Cable Double Shielded with Tan FEP Jacket

RF Cables Technical Data Sheet

RG393/U

Configuration

- Flexible Cable
- 2 Shield(s)

Features

- 50 Ohm Impedance
- Stranded Silver Plated Copper center conductor
- PTFE dielectric
- Double Silver Plated Copper Braid
- FEP Jacket Material 0.390 in diameter

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		10	GHz
Impedance		50		Ohms
Velocity of Propagation		69.5		%
Nominal Capacitance		29.4 [96.46]		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	0.6	2.1	7.5	21	35	dB/100ft
	1.97	6.89	24.61	68.9	114.83	dB/100m
Input Power (CW), Max	25,000	6,300	1,700	620	350	Watts

Mechanical Specifications

Diameter	0.39 in [9.91 mm]
Weight	0.157 lbs/ft [0.23 Kg/m]
Min. Bend Radius (Repeated)	3.9 in [99.06 mm]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper, Silver7	0.094 in 2.39 mm
Conductor Type	Stranded	

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG393 Coax Cable Double Shielded with Tan FEP Jacket RG393/U](#)



Flexible RG393 Coax Cable Double Shielded with Tan FEP Jacket

RF Cables Technical Data Sheet

RG393/U

Dielectric	PTFE	0.285 in 7.24 mm
First Shield	Silver Plated Copper Braid 90% coverage	0.313 in 7.95 mm
Second Shield	Silver Plated Copper Braid 90% coverage	0.341 in 8.66 mm
Jacket	FEP, Tan	0.39 in [9.91 mm]

Environmental Specifications

Temperature

Operating Range

-55 to +200 deg C

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

Plotted and Other Data

Notes:

Flexible RG393 Coax Cable Double Shielded with Tan FEP Jacket 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: [Flexible RG393 Coax Cable Double Shielded with Tan FEP Jacket RG393/U](#)

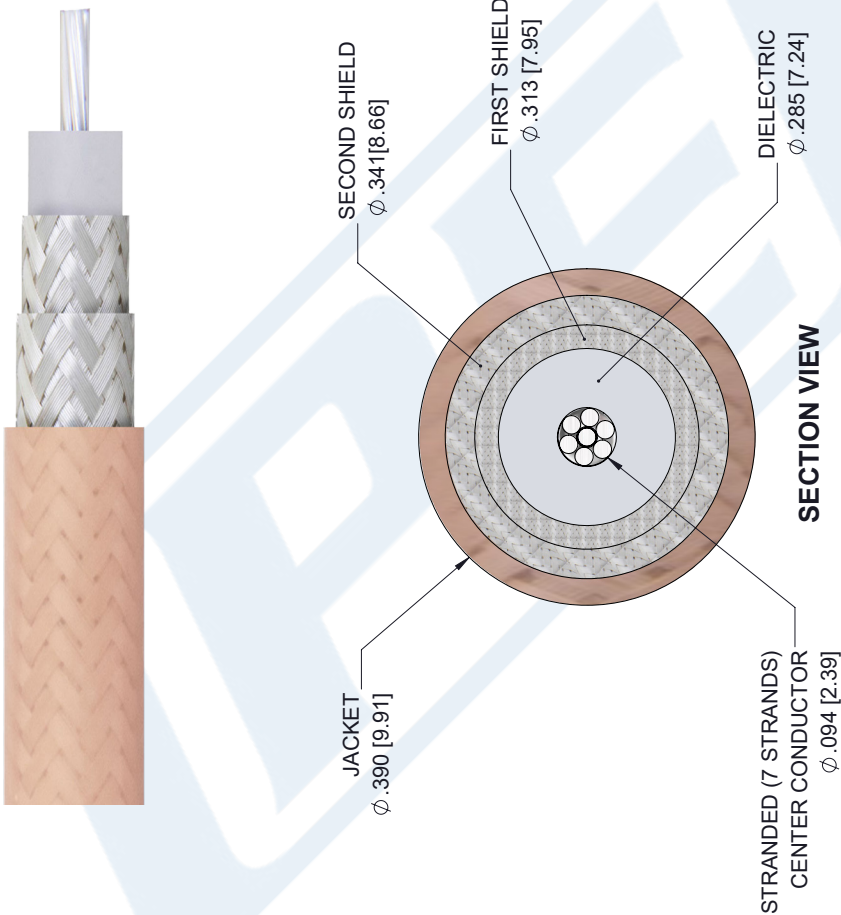
URL: <https://www.pasternack.com/flexible-rg393u-fep-jacket-silver-plated-copper-braid-over-silver-plated-copper-braid-outer-conductor-double-shielded-rg393-u-p.aspx>

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RG393/U CAD Drawing

Flexible RG393 Coax Cable Double Shielded with Tan FEP Jacket

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	POR RG393/U	1/8/2020	SELLIS



UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS	
TOLERANCES:	FRACTIONS
.X = ± .2	[.08]
.XX = ± .02	[.51]
.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%L / -0	
ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.	

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Pasternack Enterprises, Inc.
P.O. Box 16759, Irvine, CA 92623.
Phone: 1.949.261.1920 | 1.866.727.8376
Fax: 1.949.261.7451
Website: www.pasternack.com
E-mail: sales@pasternack.com

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	53919	K.DANG	RG393/U	A

THIRD-ANGLE PROJECTION



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SHEET	1	OF	1
SCALE	N/A		