



RP-TNC Male Right Angle Connector Crimp/Solder Attachment for RG55, RG141, RG142, RG223, RG400

RF Connectors Technical Data Sheet

PE4677

Configuration

- TNC Male Reverse Polarity Connector
- 50 Ohms
- Right Angle Body Geometry
- RG55, RG141, RG142, RG223, RG400 Interface Type
- Crimp/Solder Attachment

Features

- Max. Operating Frequency 3 GHz
- Gold Plated Brass Contact
- 30 µinch minimum contact plating
- Reverse Polarity

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4677 RP TNC male right angle connector with crimp/solder attachment for RG55, RG141, RG142, RG223 and RG400 is part of our full line of RF components available for same-day shipping. The male reverse polarity configuration uses a male connector body with a female inner contact receptacle. Our TNC male connector operates up to a maximum frequency of 3 GHz. Its right angle body geometry allows for easier connections in tight spaces.

Our reverse polarity TNC male right angle connector PE4677 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		3	GHz
Operating Voltage (AC)			500	Vrms

Mechanical Specifications

Size

Length	1.146 in [29.11 mm]
Width/Dia.	1.142 in [29.01 mm]
Height	0.571 in [14.5 mm]
Weight	0.061 lbs [27.67 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [RP-TNC Male Right Angle Connector Crimp/Solder Attachment for RG55, RG141, RG142, RG223, RG400 PE4677](#)



RP-TNC Male Right Angle Connector Crimp/Solder
Attachment for RG55, RG141, RG142, RG223, RG400

RF Connectors
Technical Data Sheet

PE4677

Material Specifications

Description	Material	Plating
Contact	Brass	Gold 30 pinch minimum
Insulation	PTFE	
Body	Brass	Nickel 100 pinch minimum

Environmental Specifications

Temperature

Operating Range

-65 to +165 deg C

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

Plotted and Other Data

Notes:

RP-TNC Male Right Angle Connector Crimp/Solder Attachment for RG55, RG141, RG142, RG223, RG400 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.

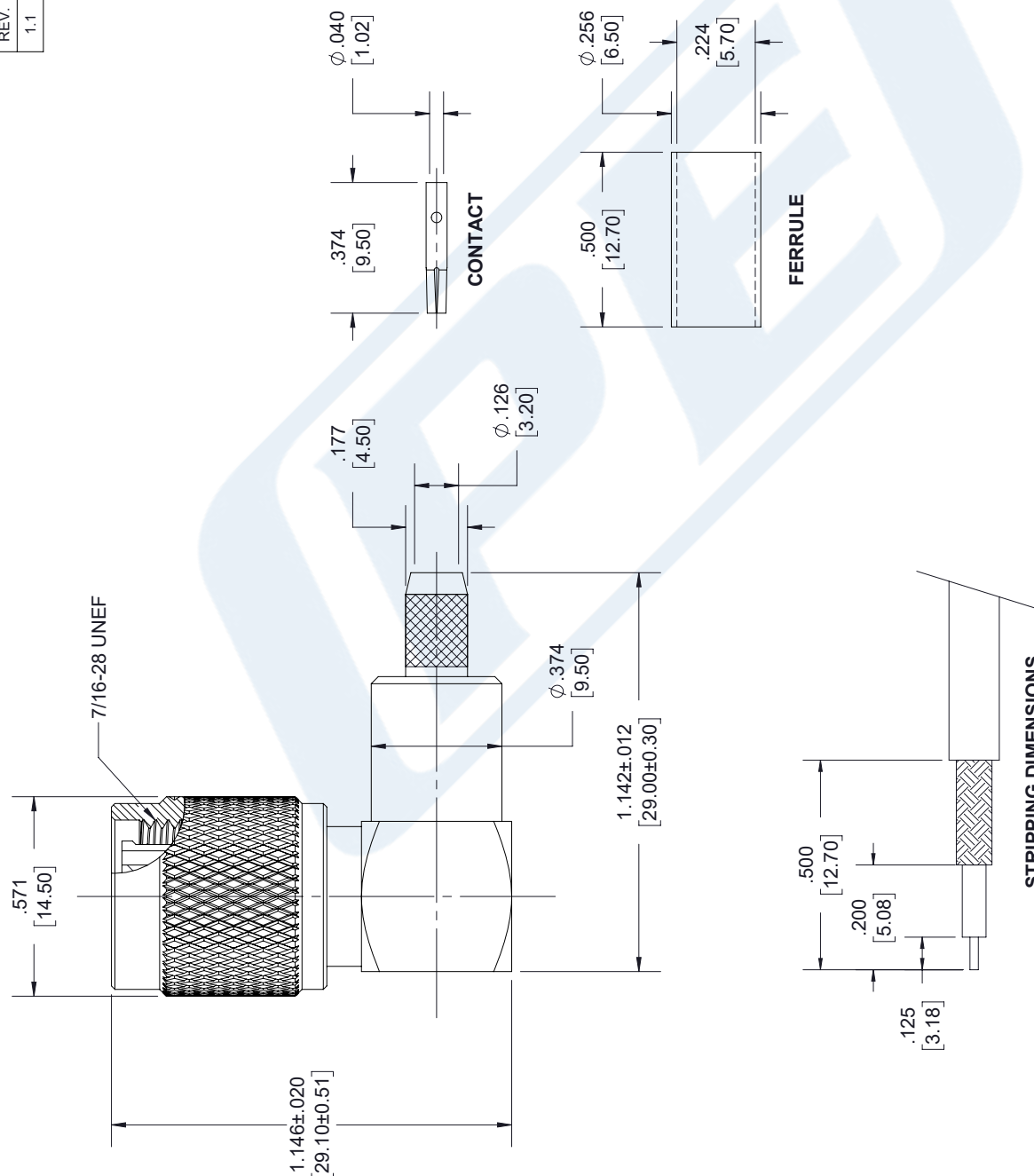
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [RP-TNC Male Right Angle Connector Crimp/Solder Attachment for RG55, RG141, RG142, RG223, RG400 PE4677](#)

URL: <https://www.pasternack.com/tnc-male-reverse-polarity-rg55-rg141-rg142-rg223-rg400-connector-pe4677-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.

RP-TNC Male Right Angle Connector Crimp/Solder Attachment for RG55, RG141, RG142, RG223, RG400

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
1.1	PCR PE4677 20190610	06/14/19	S.ELLIS



STRIPPING DIMENSIONS

NOTES:

1. CABLE ATTACHMENT:
 - OUTER: CRIMP.
 - INNER: SOLDER/CRIMP.
2. CRIMP SIZE REQUIRED:
 - FERRULE: .213 [5.41] HEX. CRIMP TOOL.
 - CONTACT: .088 [1.73] HEX. CRIMP TOOL.

UNLESS OTHERWISE SPECIFIED

TOLERANCES:

FRACTIONS	
X=± .2	[5.08]

Variable	Mean	Standard Deviation	Minimum	Maximum
Age	38.5	12.5	25	55
Gender	1.5	0.5	1	2
Education	16.5	1.5	12	20
Income	45000	15000	25000	75000
Health	2.5	0.5	1	3
Stress	3.5	0.5	2	4
Exercise	1.5	0.5	1	2
Diet	2.5	0.5	1	3
Sleep	7.5	1.5	5	9
Motivation	3.5	0.5	2	4
Confidence	3.5	0.5	2	4
Resilience	3.5	0.5	2	4
Optimism	3.5	0.5	2	4
Gratitude	3.5	0.5	2	4
Forgiveness	3.5	0.5	2	4
Compassion	3.5	0.5	2	4
Kindness	3.5	0.5	2	4
Generosity	3.5	0.5	2	4
Patience	3.5	0.5	2	4
Self-control	3.5	0.5	2	4
Emotional Stability	3.5	0.5	2	4
Neuroticism	3.5	0.5	2	4
Extraversion	3.5	0.5	2	4
Agreeableness	3.5	0.5	2	4
Conscientiousness	3.5	0.5	2	4
Openness	3.5	0.5	2	4
Intelligence	115	15	90	140
Personality	3.5	0.5	2	4
Values	3.5	0.5	2	4
Beliefs	3.5	0.5	2	4
Attitudes	3.5	0.5	2	4
Behaviors	3.5	0.5	2	4
Thoughts	3.5	0.5	2	4
Feelings	3.5	0.5	2	4
Actions	3.5	0.5	2	4
Relationships	3.5	0.5	2	4
Community	3.5	0.5	2	4
Society	3.5	0.5	2	4
World	3.5	0.5	2	4
Universe	3.5	0.5	2	4
Nature	3.5	0.5	2	4
Life	3.5	0.5	2	4
Death	3.5	0.5	2	4
Meaning	3.5	0.5	2	4
Purpose	3.5	0.5	2	4
Hope	3.5	0.5	2	4
Love	3.5	0.5	2	4
Peace	3.5	0.5	2	4
Harmony	3.5	0.5	2	4
Balance	3.5	0.5	2	4
Equilibrium	3.5	0.5	2	4
Stability	3.5	0.5	2	4
Consistency	3.5	0.5	2	4
Reliability	3.5	0.5	2	4
Trustworthiness	3.5	0.5	2	4
Integrity	3.5	0.5	2	4
Honesty	3.5	0.5	2	4
Truthfulness	3.5	0.5	2	4
Transparency	3.5	0.5	2	4
Accountability	3.5	0.5	2	4
Responsibility	3.5	0.5	2	4
Commitment	3.5	0.5	2	4
Dedication	3.5	0.5	2	4
Passion	3.5	0.5	2	4
Enthusiasm	3.5	0.5	2	4
Energy	3.5	0.5	2	4
Vitality	3.5	0.5	2	4
Strength	3.5	0.5	2	4
Power	3.5	0.5	2	4
Influence	3.5	0.5	2	4
Leadership	3.5	0.5	2	4
Management	3.5	0.5	2	4
Organization	3.5	0.5	2	4
Productivity	3.5	0.5	2	4
Efficiency	3.5	0.5	2	4
Effectiveness	3.5	0.5	2	4
Success	3.5	0.5	2	4
Achievement	3.5	0.5	2	4
Realization	3.5	0.5	2	4
Attainment	3.5	0.5	2	4
Completion	3.5	0.5	2	4
Finalization	3.5	0.5	2	4
Conclusion	3.5	0.5	2	4
End	3.5	0.5	2	4
Close	3.5	0.5	2	4
Finish	3.5	0.5	2	4</

ANGLES $\pm 1^\circ$

ALL DIMENSIONS SHOWN

ALL DIMENSIONS SHOWN
ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION

70

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an INFINITE brand

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SIZE	CAGE	DRAWN BY	PART NUMBER
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SIZE	CAGE	DRAWN BY	PART NUMBER
A	E3010	K DANC	DE 165

A	53919	K.DANG	PE467
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HEET OF

SCALE

N/A

REV A

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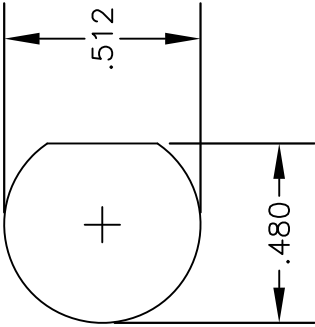
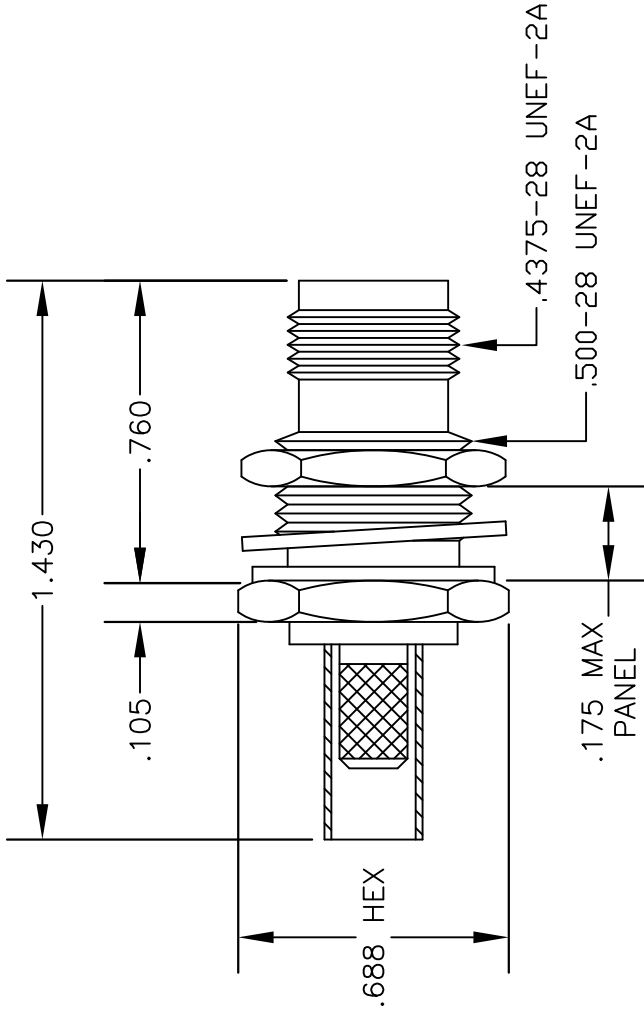
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PE4677 REV 1.1

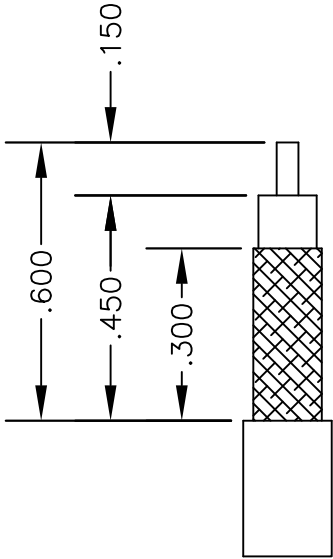
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3 T-Rev.B

MATERIALS	
BODY	BRASS NICKEL PLATED
CONTACT	GOLD PLATED
INSULATOR	PTFE



MOUNTING HOLE



STRIPPING DIMENSIONS



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DWG TITLE

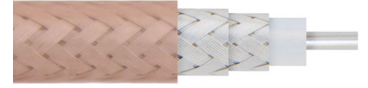
PE4695

DES. REVERSE POLARITY TNC FEMALE,
BULKHEAD, CRIMP ATTACHMENT FOR RG55,
RG142, RG223 & RG400

REV. A	FSCM NO. 53919	CAD FILE 042110	SCALE N/A	SIZE A	147
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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.



Flexible RG142 Coax Cable Double Shielded with Tan FEP Jacket

RF Cables Technical Data Sheet

RG142B/U

Configuration

- Flexible Cable
- 2 Shield(s)

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		8	GHz
Impedance		50		Ohms
Velocity of Propagation		70		%
Shielding Effectiveness	70			dB
Operating Voltage (AC)			1,900	Vrms
Dielectric Withstanding Voltage (DC)			5,000	Vdc
Inner Conductor DC Resistance			65	Ohms/1000ft
Outer Conductor DC Resistance			9	Ohms/1000ft
Nominal Capacitance		96.45 [316.44]		pF/ft [pF/m]
Insulation Resistance	5,000			MOhms/1000ft
Power@ 1GHz			395	Watts

Performance by Frequency Band

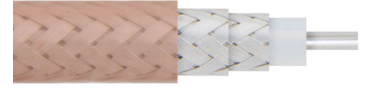
Description	F1	F2	F3	F4	F5	Units
Frequency	0.1	0.4	1	3	5	GHz
Attenuation, Typ	3.9	7.9	12.9	23.9	32.1	dB/100ft
	12.8	25.92	42.32	78.41	105.31	dB/100m

Description	F6	F7	F8	F9	F10	Units
Frequency	6	8				GHz
Attenuation, Typ	36.86	44.17				dB/100ft
	120.93	144.91				dB/100m

Mechanical Specifications

Diameter	0.195 in [4.95 mm]
Weight	0.042 lbs/ft [0.06 kg/m]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG142 Coax Cable Double Shielded with Tan FEP Jacket RG142B/U](#)



Flexible RG142 Coax Cable Double Shielded with Tan FEP Jacket

RF Cables Technical Data Sheet

RG142B/U

Min. Bend Radius (Installation)	0.98 in [24.89 mm]
Min. Bend Radius (Repeated)	1.97 in [50.04 mm]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper Clad Steel, Silver, 1 Strand	0.037 in [0.94 mm]
Conductor Type	Solid	
Dielectric	PTFE	0.116 in [2.95 mm]
First Shield	Silver Plated Copper Braid	[]
Second Shield	Silver Plated Copper Braid	0.156 in [3.96 mm]
Jacket	FEP, Tan	0.195 in [4.95 mm]

Environmental Specifications

Temperature

Operating Range	-55 to +200 deg C
Installation Range	-20 to +50 deg C
Storage Range	0 to +40 deg C
Humidity	0 - 80% Relative Humidity

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

Plotted and Other Data

Notes:

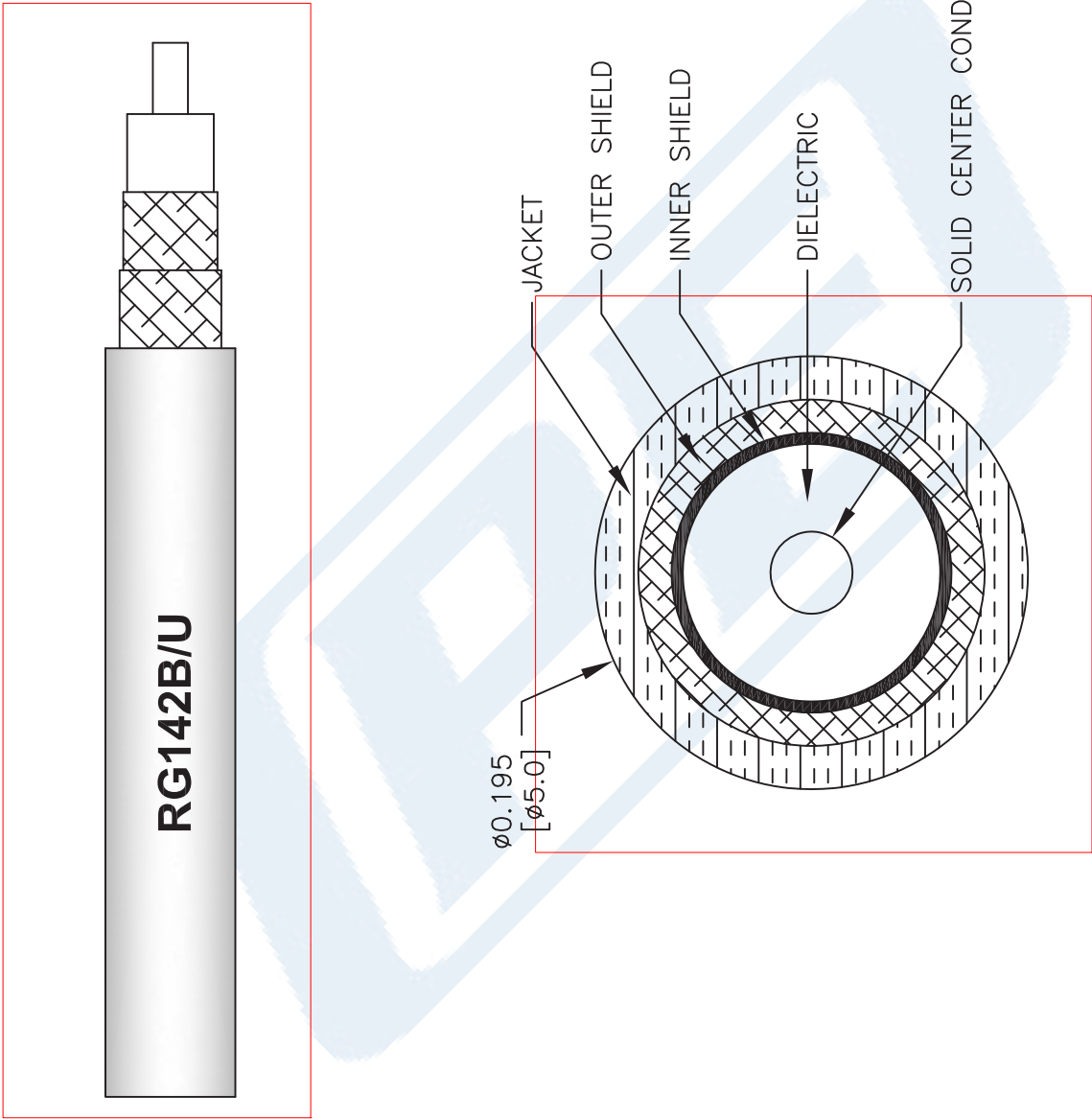
Flexible RG142 Coax Cable Double Shielded with Tan FEP Jacket from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG142 Coax Cable Double Shielded with Tan FEP Jacket RG142B/U](#)

URL: <https://www.pasternack.com/flexible-0.195-rg142-50-ohm-coax-cable-fep-jacket-rg142b-u-p.aspx>

RG142B/U CAD Drawing

Flexible RG142 Coax Cable Double Shielded with Tan FEP Jacket



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DWG TITLE
RG142B/U

FSCM NO. 53919

41742

SIZE A

SCALE N/A

111716

CAD FILE