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D-Sub Plug Right Angle Contact Solder Attachment for RG55, RG142, RG223, RG400

RF Connectors
Technical Data Sheet

PE44036

Configuration

- D-Subminiature Plug Connector
- 50 Ohms
- Right Angle Body Geometry
- RG55, RG142, RG223, RG400 Interface Type
- Solder/Solder Attachment

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE44036 D-Sub plug right angle contact with solder attachment for RG55, RG142, RG223 and RG400 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 D-Sub plug right angle connector PE44036 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

Weight 0.006 lbs [2.72 g]

Material Specifications

Description	Material	Plating
Body	Brass	Gold

Environmental Specifications

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: D-Sub Plug Right Angle Contact Solder Attachment for RG55, RG142, RG223, RG400 PE44036

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
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RF Connectors
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PE44036

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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: D-Sub Plug Right Angle Contact Solder Attachment for RG55, RG142, RG223, RG400 PE44036

URL: https://www.pasternack.com/d-sub-plug-standard-rg55-rg142-rg223-rg400-connector-pe44036-p.aspx

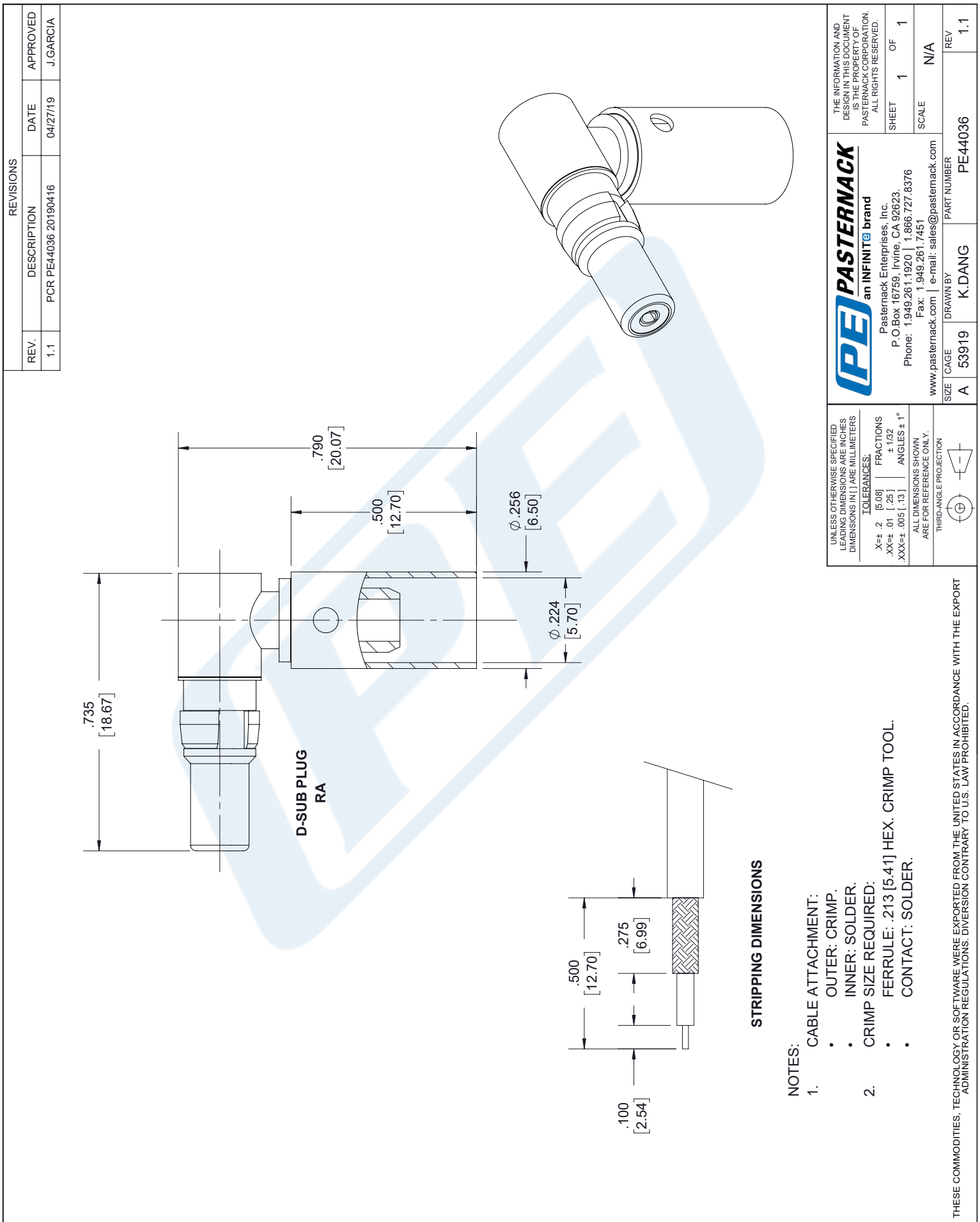
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PE44036 CAD Drawing

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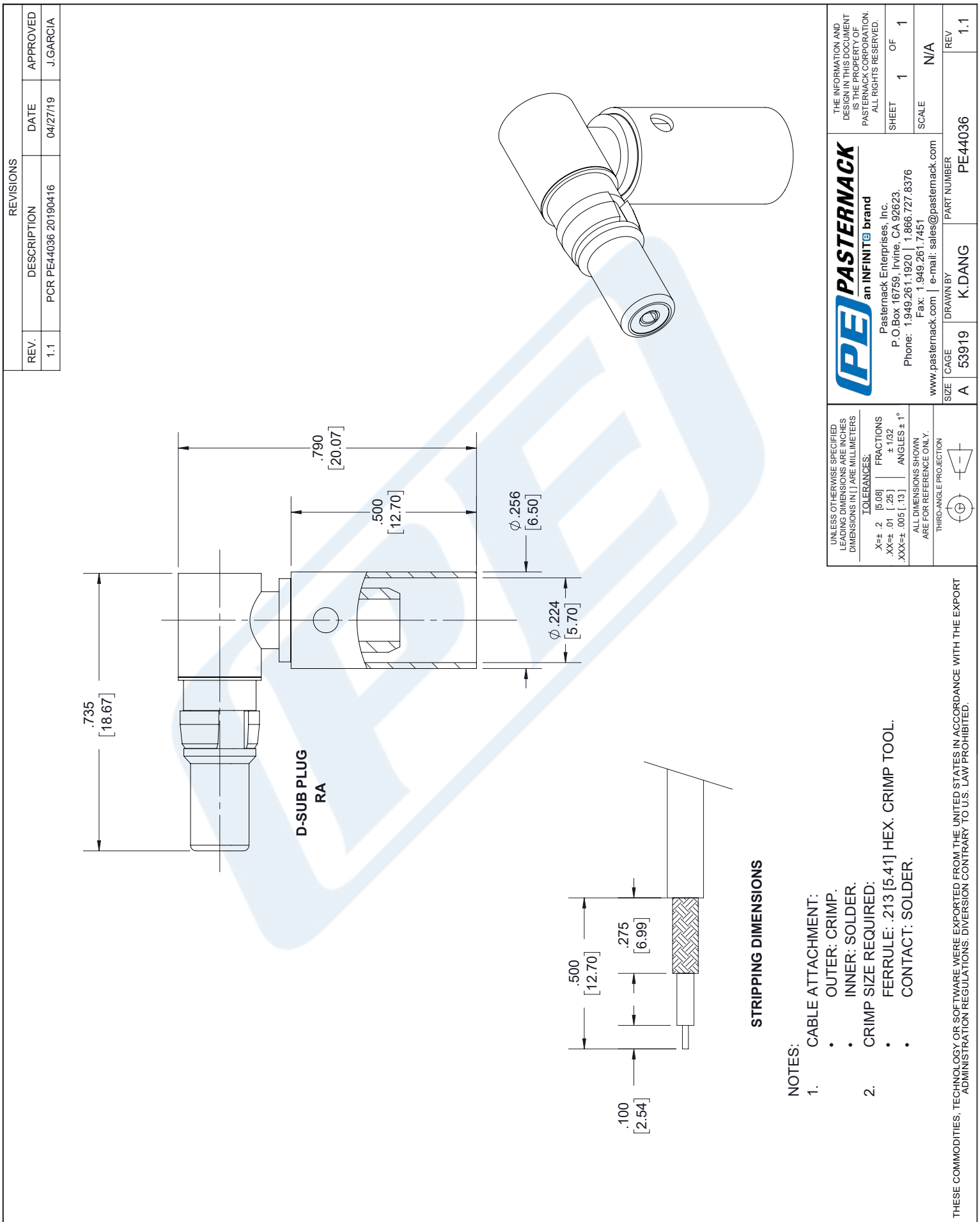
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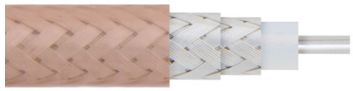
PE44036 CAD Drawing

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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

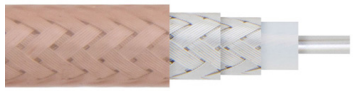
Mechanical Specifications

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

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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:

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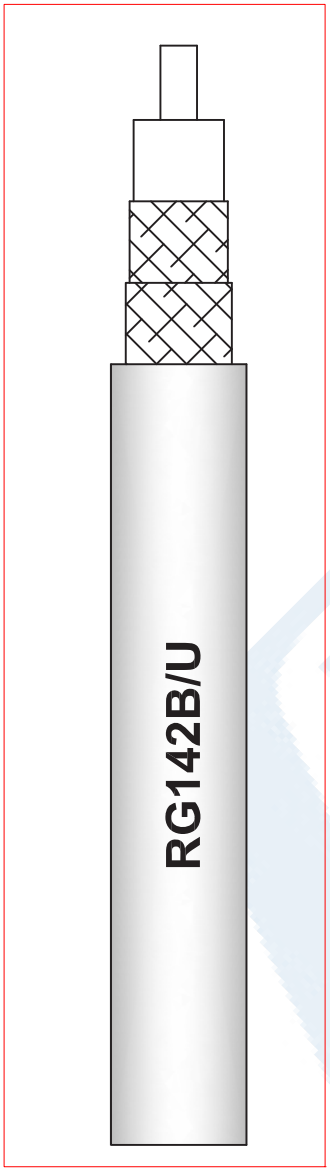
URL: https://www.pasternack.com/flexible-0.195-rg142-50-ohm-coax-cable-fep-jacket-rg142b-u-p.aspx

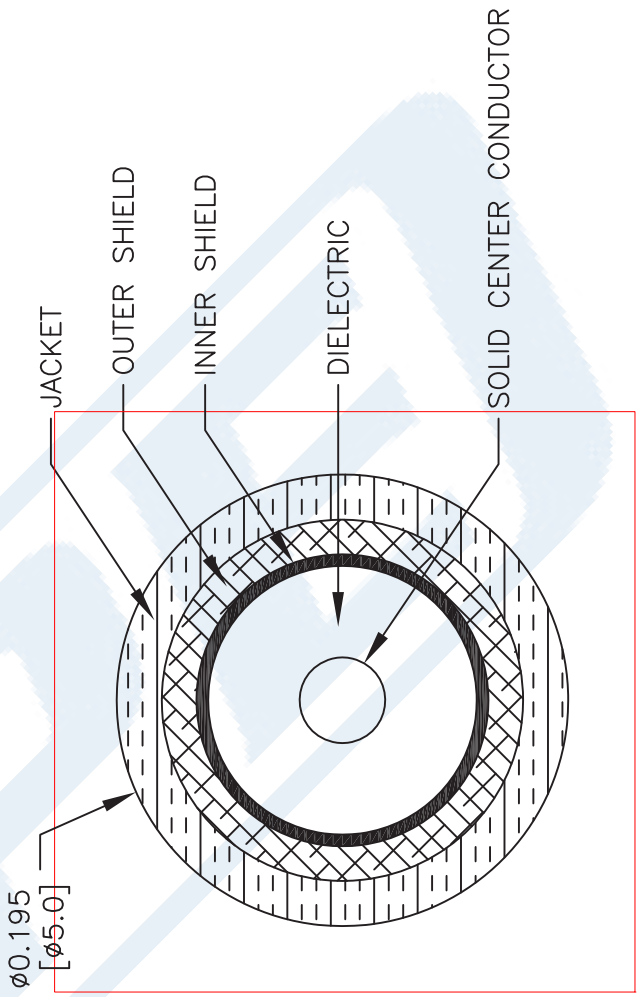
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RG142B/U CAD Drawing

Flexible RG142 Coax Cable Double Shielded with Tan FEP Jacket





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	SCALE	SIZE
111716	N/A	A

DWG TITLE: RG142B/U

FSCM NO. 53919

41742

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