1.0/2.3 Male Right Angle Connector Crimp Attachment for LMR-195-FR, RG303, RG58, RG141, PE-C195, PE-P195, LMR-195, RG142, RG55, RG223



PE51767

Configuration

- 1.0/2.3 Male Connector
- 50 Ohms
- Right Angle Body Geometry
- Connector Interface Types: LMR-195-FR, RG303, RG58, RG141, PE-C195, PE-P195, LMR-195, RG142, RG55, RG223

Features

- Max. Operating Frequency 2 GHz
- Excellent VSWR of 1.2:1
- Gold over Nickel over Copper Plated Brass Contact

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE51767 Right Angle 1.0/2.3 Male Connector Crimp Attachment for LMR-195-FR, RG303, RG58, RG141, PE-C195, PE-P195, LMR-195, RG142, RG55 and RG223 Cable is part of our full line of RF components available for same-day shipping. Our 1.0/2.3 male connector operates up to a maximum frequency of 2 GHz and offers excellent VSWR of 1.2:1. Its right angle body geometry allows for easier connections in tight spaces.

Our 1.0/2.3 male right angle connector PE51767 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		2	GHz
VSWR			1.2:1	
Insertion Loss			0.141	dB
Inner Conductor DC Resistance			10	mOhms
Outer Conductor DC Resistance			3	mOhms
Insulation Resistance	200			MOhms
Impedance		50		Ohms

Mechanical Specifications

Size

Length	0.85 in [21.59 mm]
Width	0.3 in [7.62 mm]
Height	0.815 in [20.7 mm]
Weight	0.01 lbs [4.54 g]
Mating Cycles	500 Cycles
Engagement Force	2.25lbs [1.02kg]
Disengagement Force	2.25lbs [1.02kg]

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1.0/2.3 Male Right Angle Connector Crimp Attachment for LMR-195-FR, RG303, RG58, RG141, PE-C195, PE-P195, LMR-195, RG142, RG55, RG223



PE51767

Material Specifications

Description	Material	Plating
Contact	Brass	Gold over Nickel over Copper
Insulation	Teflon	
Outer Conductor	Brass	Copper-Tin-Zinc Alloy
Body	Brass	Copper-Tin-Zinc Alloy

Environmental Specifications

Temperature

Operating Range	-55 to +125 deg C
Humidity	MIL-STD-202, Method 106
Thermal Shock	MIL-STD-202, Method 107, Condition B
Salt Spray	MIL-STD-202, Method 101, Condition B

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

1.0/2.3 Male Right Angle Connector Crimp Attachment for LMR-195-FR, RG303, RG58, RG141, PE-C195, PE-P195, LMR-195, RG142, RG55, RG223 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: 1.0/2.3 Male Right Angle Connector Crimp Attachment for LMR-195-FR, RG303, RG58, RG141, PE-C195, PE-P195, LMR-195, RG142, RG55, RG223 PE51767

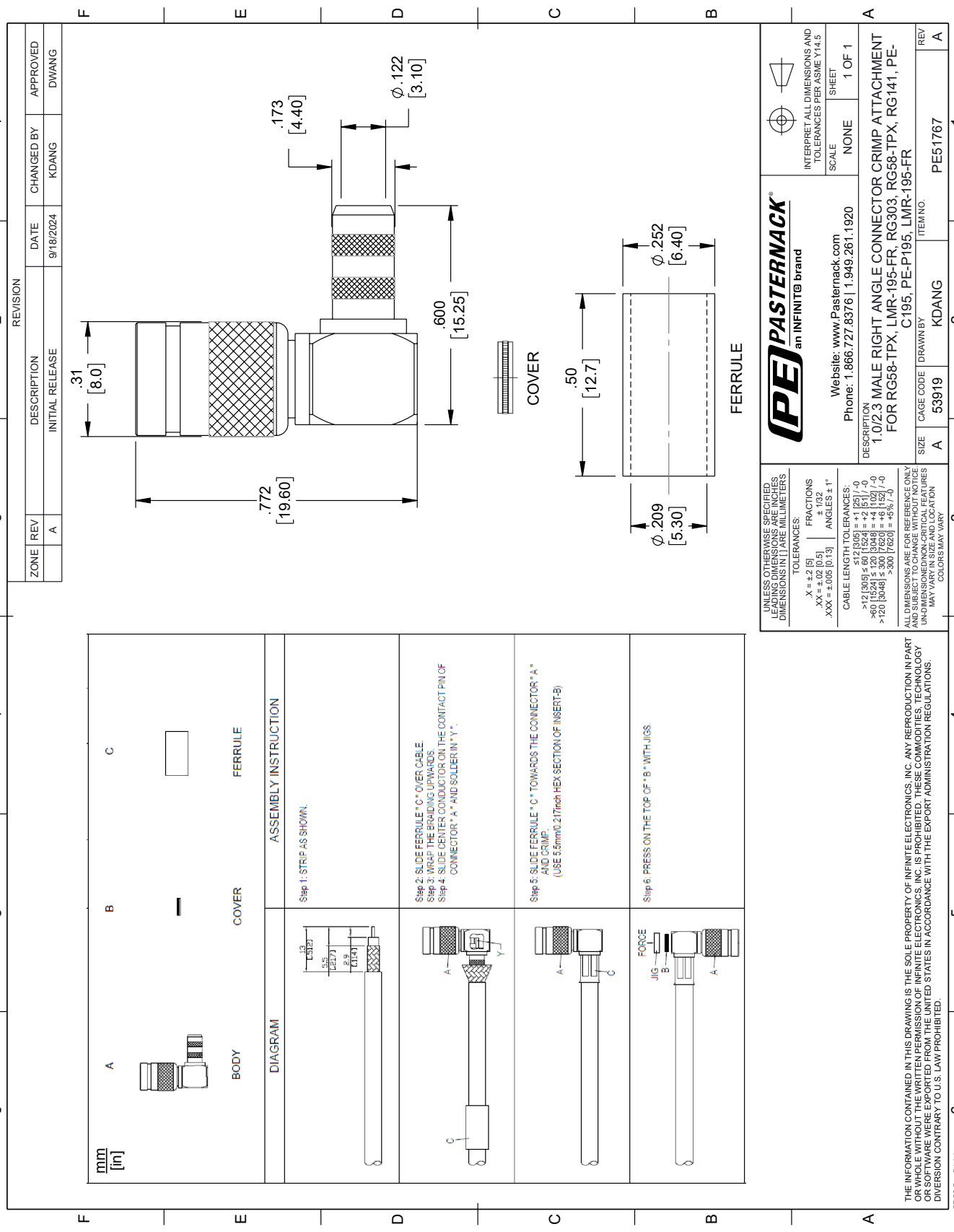
URL: https://www.pasternack.com/1.0-2.3-male-fr-rg303-rg141-pe-c195-pe-p195-connector-pe51767.html

The information contained within 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 impliment improvements. Pasternack Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

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PE51767 CAD Drawing

1.0/2.3 Male Right Angle Connector Crimp Attachment for LMR-195-FR, RG303, RG58, RG141, PE-C195, PE-P195, LMR-195, RG142, RG55, RG223



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SMA Female Connector Crimp/Solder Attachment for RG55, RG142, RG223



RF Connectors
Technical Data Sheet

PE4412

Configuration

- SMA Female Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: RG55, RG142, RG223

Features

- Max. Operating Frequency 12.4 GHz
- Good VSWR of 1.28:1
- Gold Plated Beryllium Copper Contact
- 50 µin minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4412 SMA female connector with crimp/solder attachment for RG55, RG142 and RG223 is part of our full line of RF components available for same-day shipping. Our SMA female connector operates up to a maximum frequency of 12.4 GHz and offers good VSWR of 1.28:1.

Our SMA female connector PE4412 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		12.4	GHz
VSWR			1.28:1	
Operating Voltage (AC)			500	Vrms

Mechanical Specifications

Size

Length	0.893 in [22.68 mm]
Width/Dia.	0.25 in [6.35 mm]
Weight	0.012 lbs [5.44 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SMA Female Connector Crimp/Solder Attachment for RG55, RG142, RG223 PE4412

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SMA Female Connector Crimp/Solder Attachment for RG55, RG142, RG223

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold 50 µin minimum
Insulation	PTFE	
Body	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:

SMA Female Connector Crimp/Solder Attachment for RG55, RG142, RG223 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: SMA Female Connector Crimp/Solder Attachment for RG55, RG142, RG223 PE4412

URL: https://www.pasternack.com/sma-female-rg55-rg142-rg223-connector-pe4412-p.aspx

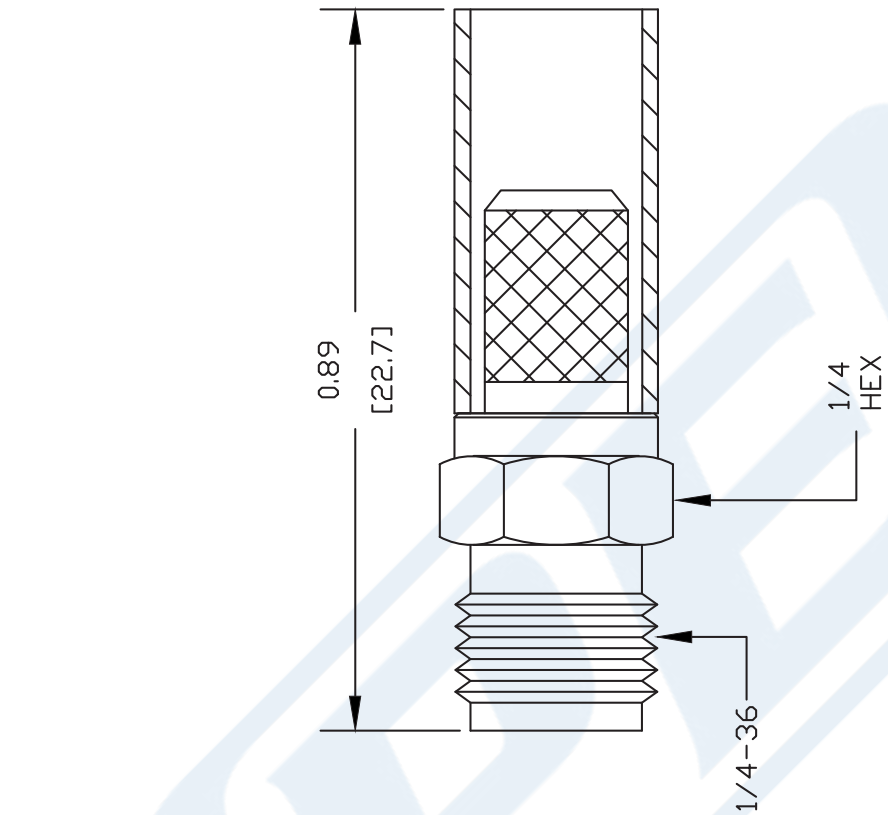
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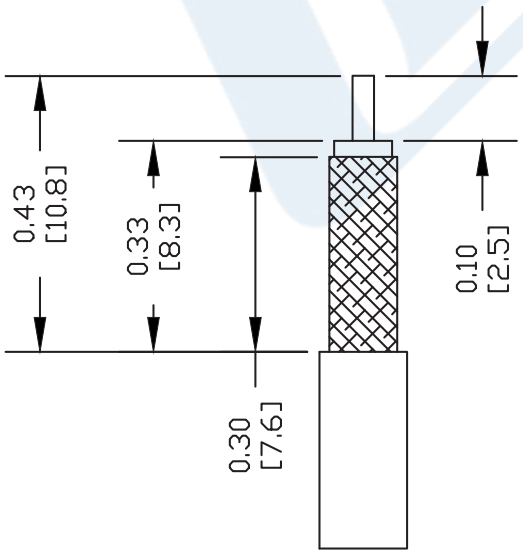
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PE4412 CAD Drawing

SMA Female Connector Crimp/Solder Attachment for RG55, RG142, RG223





STRIPPING DIMENSIONS

CRIMP SIZE REQUIRED

CONTACT: SOLDER
FERRULE: .213" HEX CRIMP TOOL

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.

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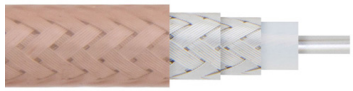
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FSCM NO. 53919

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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

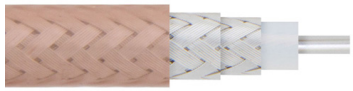
Mechanical Specifications

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:

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

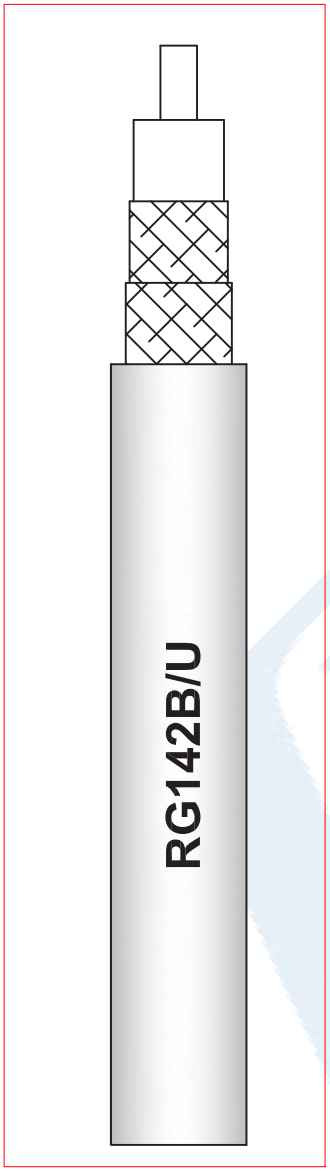
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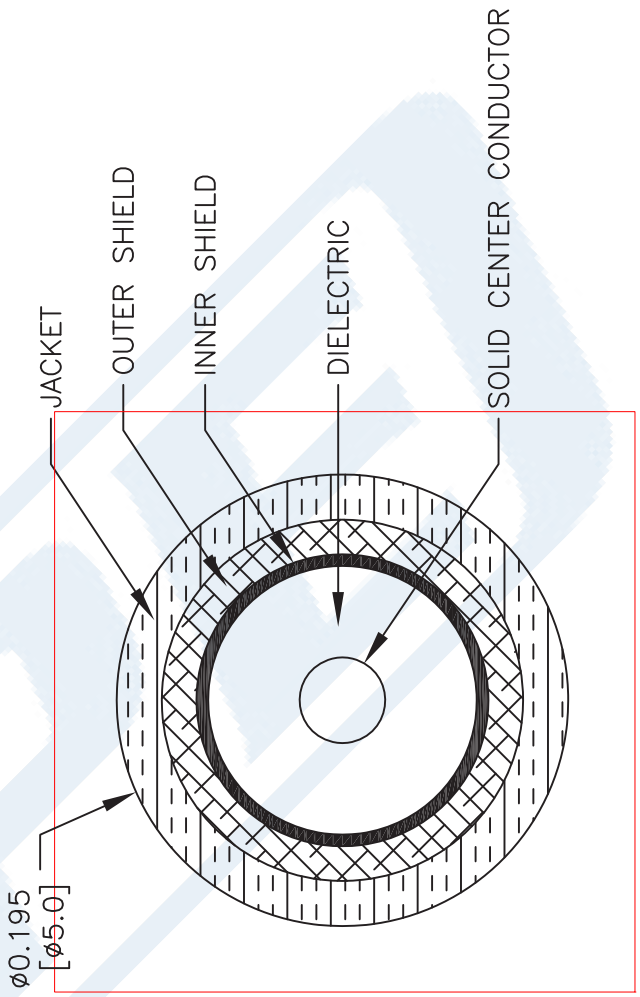
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RG142B/U CAD Drawing

Flexible RG142 Coax Cable Double Shielded with Tan FEP Jacket





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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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