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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

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RF Connectors
Technical Data Sheet

PE44036

D-Sub Plug Right Angle Contact Solder Attachment for RG55, 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: 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

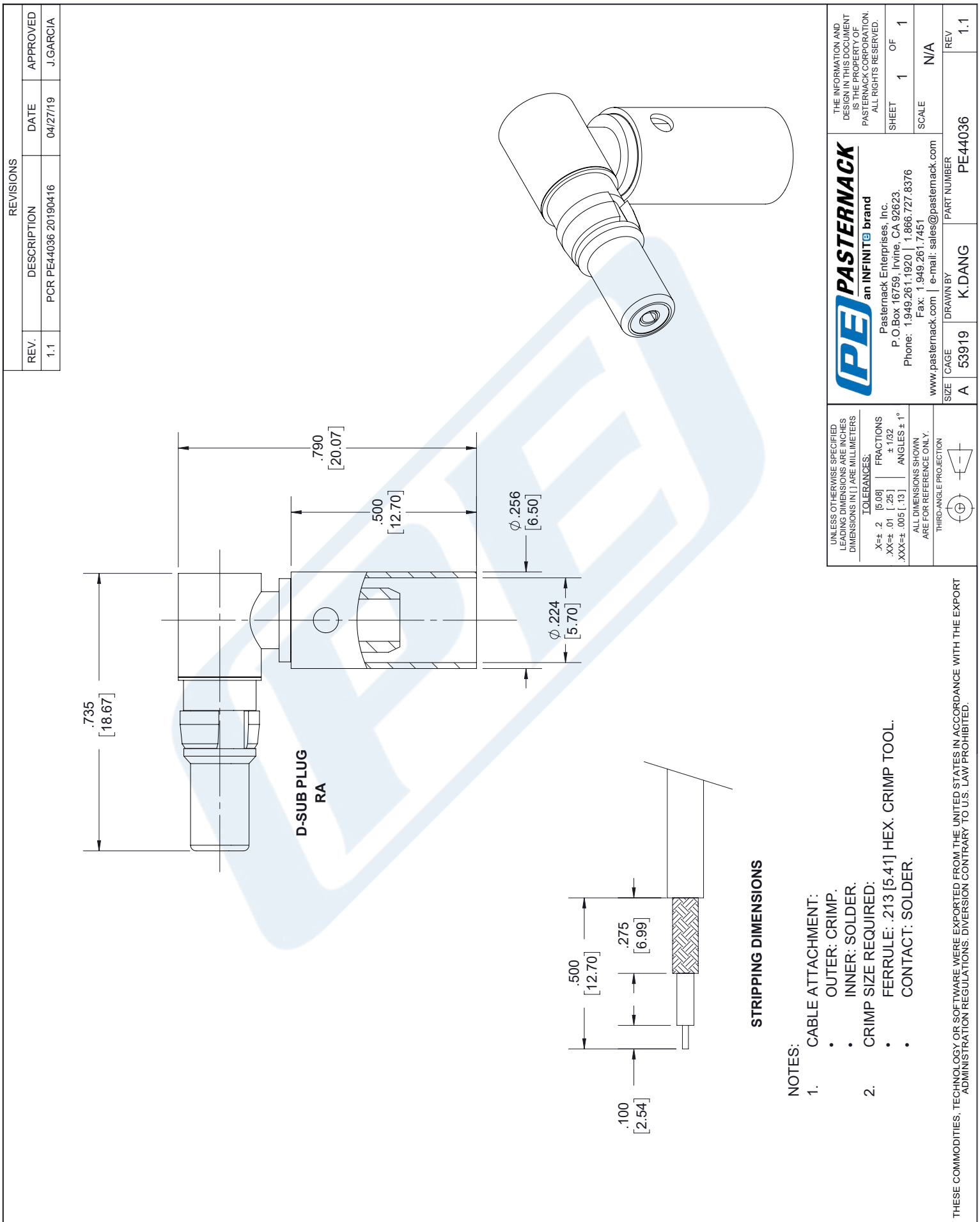
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PE44036 CAD Drawing

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



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MHV Female Connector Clamp/Solder Attachment 4 Hole Flange For RG55, RG58, RG141, RG142, RG223, RG400, .500 inch Threaded Hole Spacing

TECHNICAL DATA SHEET PE4313

MHV Female Connector Clamp/Solder Attachment 4 Hole Flange For RG55, RG58, RG141, RG142, RG223, RG400, .500 inch Threaded Hole Spacing

Configuration

Connector	MHV Female
Connector Interface Type	RG55,RG58,RG141,RG142,RG223,RG400
Cable Attachment Method (Shield/Contact)	Clamp/Solder
Body Style	Straight
Mount Method	4 Hole Flange

Electrical Specifications

Impedance, Ohms	50

Mechanical Specifications

Size

Length, in [mm]	1.5 [38.1]
Width/Dia., in [mm]	0.687 [17.45]
Height, in [mm]	0.687 [17.45]
Weight, lbs [g]	0.055 [24.95]

Connector

Type	MHV Female
Contact Material and Plating	Brass, Gold
Body Material and Plating	Brass, Nickel
Dielectric Type	Teflon

Compliance Certifications (visit www.Pasternack.com for current document)

RoHS Compliant	Yes

Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications: MHV Female Connector Clamp/Solder Attachment 4 Hole Flange For RG55, RG58, RG141, RG142, RG223, RG400, .500 inch Threaded Hole Spacing PE4313

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MHV Female Connector Clamp/Solder Attachment 4 Hole Flange For RG55, RG58, RG141, RG142, RG223, RG400, .500 inch Threaded Hole Spacing

TECHNICAL DATA SHEET PE4313

Plotted and Other Data

Notes: Values at 25 °C, sea level

MHV Female Connector Clamp/Solder Attachment 4 Hole Flange For RG55, RG58, RG141, RG142, RG223, RG400, .500 inch Threaded Hole Spacing from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

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URL: http://www.pasternack.com/mhv-female-standard-rg55-rg58-rg141-rg142-rg223-rg400-connector-pe4313-p.aspx

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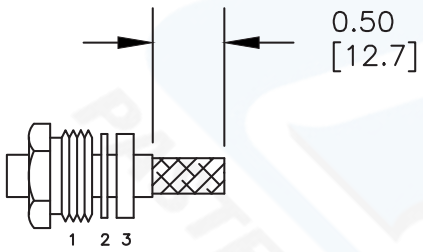
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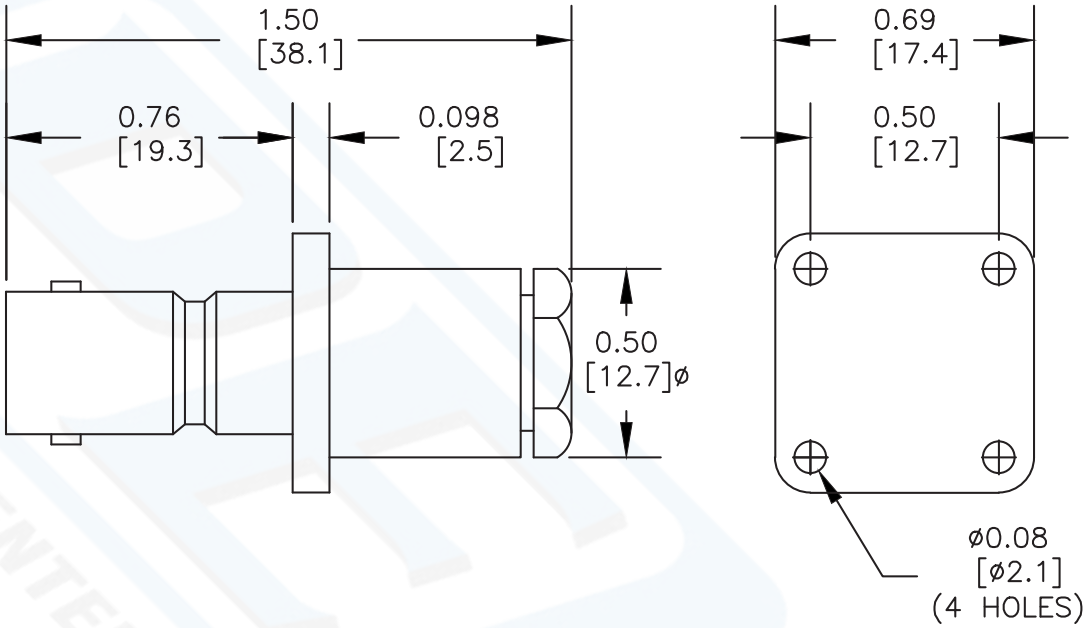
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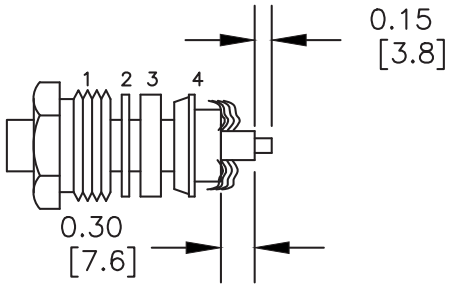
ASSEMBLY PROCEDURES

1. SLIDE CLAMP NUT (1), WASHER (2) & GASKET (3) OVER CABLE. STRIP CABLE AS SHOWN. 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.





2. FORM BRAID OVER CLAMP NUT (4). TRIM BRAID BACK TO SHOULDER. CUT DIELECTRIC & CENTER CONDUCTOR TO DIMENSION SHOWN. DO NOT NICK CENTER CONDUCTOR. SOLDER CONTACT TO CENTER CONDUCTOR. REMOVE EXCESS SOLDER. DO NOT OVER HEAT DIELECTRIC. INSERT CABLE ASSEMBLY INTO BODY & TIGHTEN.



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DWG TITLE

PE4313

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.

FSCM NO. 53919	CAD FILE 050702	SCALE N/A	SIZE A	XXXX

PE4313 CAD Drawing

MHV Female Connector Clamp/Solder Attachment 4 Hole Flange For RG55, RG58, RG141, RG142, RG223, RG400, .500 inch Threaded Hole Spacing

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Flexible RG142 Coax Cable Double Shielded with Tan FEP Jacket



TECHNICAL DATA SHEET RG142B/U

Flexible RG142 Coax Cable Double Shielded with Tan FEP Jacket

Configuration

Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Shield Materials	Silver Plated Copper Braid, Silver Plated Copper Braid
Jacket Material and Color	FEP, Tan

Electrical Specifications

Impedance, Ohms	50
Velocity of Propagation, %	69.2
Maximum Operating Frequency, GHz	8
RF Shielding, dB	90
Capacitance, pF/ft [pF/m]	29.4 [96.46]
Maximum Operating Voltage, Volts	1,900

Electrical Specifications by Frequency

Frequency 1

Frequency, MHz	100
Attenuation, dB/100ft [dB/100m]	3.9 [12.8]

Frequency 2

Frequency, MHz	1000
Attenuation, dB/100ft [dB/100m]	13 [42.65]

Frequency 3

Frequency, GHz	3
Attenuation, dB/100ft [dB/100m]	23.8 [78.08]

Frequency 4

Frequency, GHz	5
Attenuation, dB/100ft [dB/100m]	36 [118.11]

Mechanical Specifications

Temperature

Operating Range, deg C	-55 to +200

Inner Conductor

Number of Strands	1
Material	Copper Clad Steel
Plating	Silver
Diameter, in [mm]	0.037 [0.94]

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



TECHNICAL DATA SHEET RG142B/U

Dielectric:

Type	PTFE
Diameter, in [mm]	0.116 [2.95]

Shield:

Number of	2
Material 1	Silver Plated Copper Braid
Material 2	Silver Plated Copper Braid
Diameter, in [mm]	0.156 [3.96]

Jacket:

Material	FEP
Diameter, in [mm]	0.195 [4.95]
Color	Tan
One Time Minimum Bend Radius, in [mm]	0.984 [24.99]
Repeated Minimum Bend Radius, in [mm]	2 [50.8]
Weight, lbs/ft [Kg/m]	0.046 [0.07]

Compliance Certifications (visit www.Pasternack.com for current document)

RoHS Compliant	Yes

Plotted and Other Data

Notes:	Values at 25 °C, sea level

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

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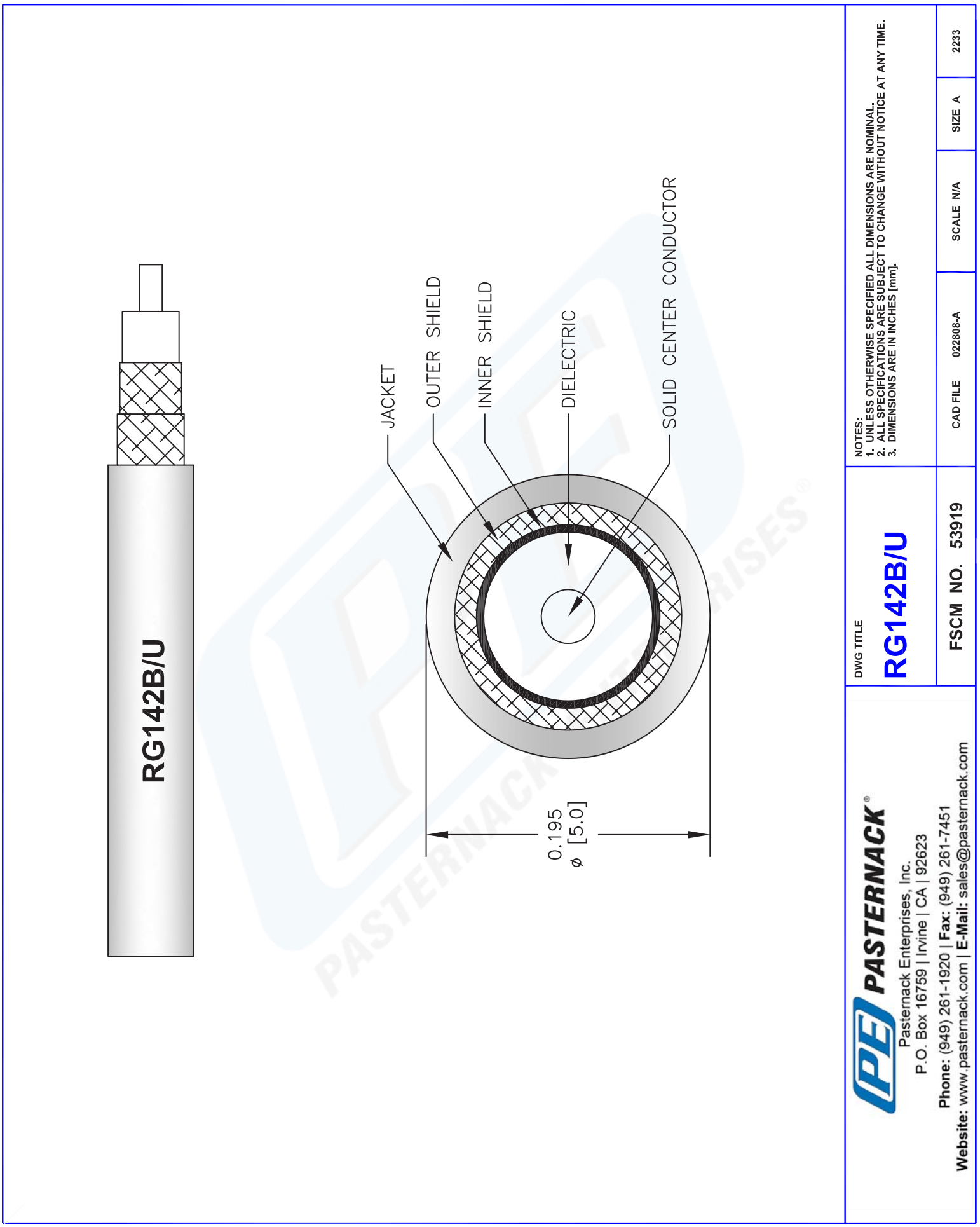
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RG142B/U CAD Drawing

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