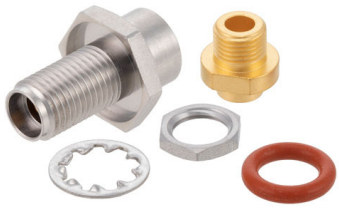
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3.5mm Female Bulkhead Mount Connector Clamp/Solder Attachment for PE-SR402AL, PE-SR402FL, RG402, .235 inch D Hole



RF Connectors
Technical Data Sheet

PE4985

Configuration

- 3.5mm Female Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: PE-SR402AL, PE-SR402FL, RG402
- Bulkhead

Features

- Gold Plated Contact

Applications

- General Purpose Test
- Rack and Panel Mount Applications
- Custom Cable Assemblies

Description

Pasternack's PE4985 3.5mm female bulkhead connector with clamp/solder attachment for PE-SR402AL, PE-SR402FL and RG402 (.235 inch D hole) is part of our full line of RF components available for same-day shipping. This 3.5mm bulkhead connector allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications.

Our 3.5mm female bulkhead connector PE4985 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	0.865 in [21.97 mm]
Width/Dia.	0.438 in [11.13 mm]
Weight	0.013 lbs [5.9 g]

Material Specifications

Description	Material	Plating
Contact		Gold
Insulation	PTFE	
Body	Passivated Stainless Steel	

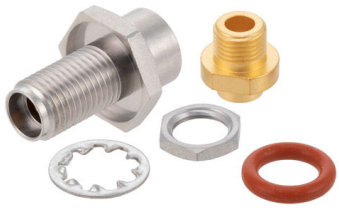
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 3.5mm Female Bulkhead Mount Connector Clamp/Solder Attachment for PE-SR402AL, PE-SR402FL, RG402, .235 inch D Hole PE4985

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3.5mm Female Bulkhead Mount Connector Clamp/Solder Attachment for PE-SR402AL, PE-SR402FL, RG402, .235 inch D Hole



RF Connectors
Technical Data Sheet

PE4985

Environmental Specifications

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

3.5mm Female Bulkhead Mount Connector Clamp/Solder Attachment for PE-SR402AL, PE-SR402FL, RG402, .235 inch D Hole 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: 3.5mm Female Bulkhead Mount Connector Clamp/Solder Attachment for PE-SR402AL, PE-SR402FL, RG402, .235 inch D Hole PE4985

URL: https://www.pasternack.com/3.5mm-female-pe-sr402al-pe-sr402fl-rg402-connector-pe4985-p.aspx

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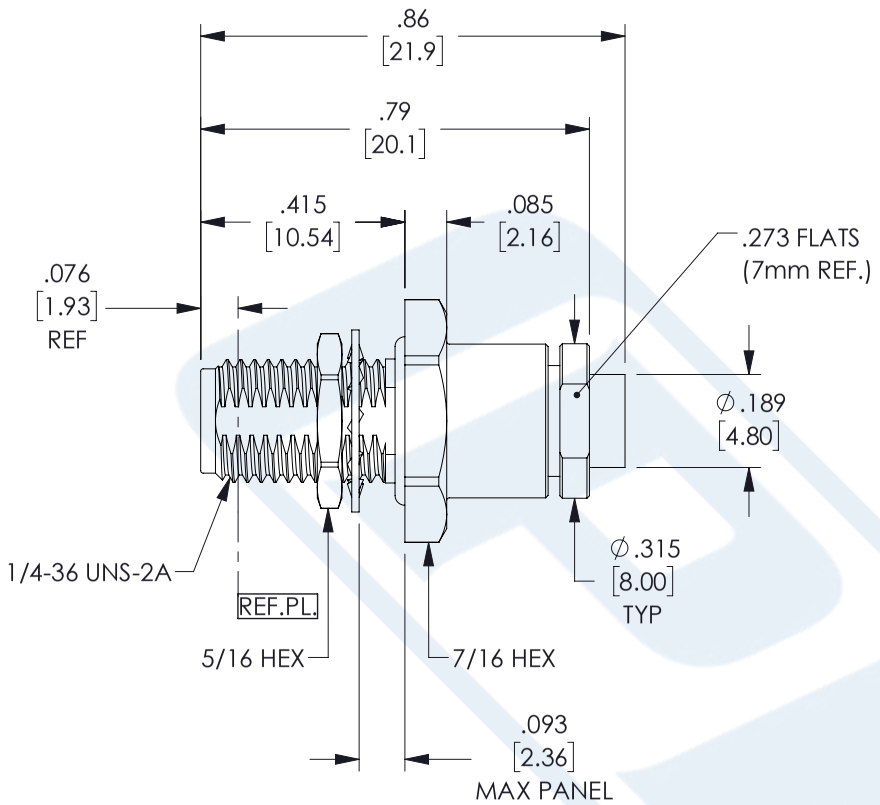
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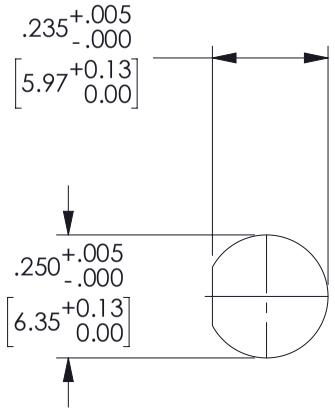
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PE4985 CAD Drawing

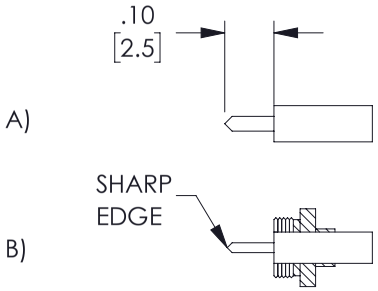
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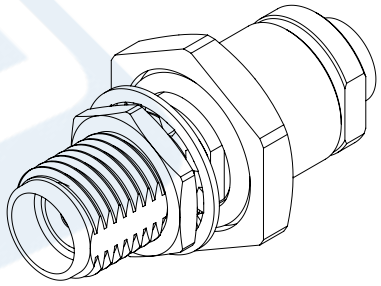
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
B	PCR PE4985 20220627	07/06/2022	AGANWANI





MOUNTING HOLE





ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN IN (A). DO NOT NICK CENTER CONDUCTOR.
2. INSERT CABLE THROUGH CLAMP NUT AS SHOWN IN (B). SOLDER OUTER CONDUCTOR TO CLAMP NUT.
3. SCREW ASSEMBLY INTO BODY UNTIL SEATED AND TORQUE 25-30 IN-LBS.

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UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:

.X = ± .2 [5.08] | FRACTIONS ± 1/32
.XX = ± .02 [.51] | ANGLES ± 1°
.XXX = ± .005 [.13]

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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THIRD-ANGLE PROJECTION

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SHEET 1 OF 1

SCALE N/A

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	53919	KGLEBOVA	PE4985	B

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BMA Plug Bulkhead Mount Slide-On Connector Solder/ Non-Solder Contact Attachment for RG402, PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN

RF Connectors
Technical Data Sheet

PE45314

Configuration

- Slide-On BMA Plug Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: RG402, PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN
- Bulkhead
- 8 mm Hex

Features

- Max. Operating Frequency 12 GHz
- Good VSWR of 1.28:1
- Gold Plated Bronze Contact
- 51.18µ in. minimum contact plating
- Blind Mate Connector
- Low-Engagement Force

Applications

- General Purpose Test
- Rack and Panel Mount Applications
- Custom Cable Assemblies
- Blind Mating
- Rack and Panel
- Phased Array Systems
- Base Stations
- RF Backplanes
- Test I/O

Description

Pasternack's PE45314 BMA plug slide-on bulkhead connector with solder/non-solder contact attachment for RG402, PE-SR402AL, PE-SR402FL, PE-SR402FLJ and PE-SR402TN is part of our full line of RF components available for same-day shipping. Our BMA plug connector operates up to a maximum frequency of 12 GHz and offers good VSWR of 1.28:1. The Pasternack blind mate connector is ideal for applications where direct visual or tactile access to the connection point is not possible, for example, when two circuit boards need to be mated. This BMA bulkhead connector allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications.

Our BMA plug bulkhead connector PE45314 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	GHz
VSWR			1.28:1	
Insertion Loss			0.14	dB
Operating Voltage (AC)			350	Vrms
Dielectric Withstanding Voltage (AC)			1,000	Vrms
Insulation Resistance	5,000			MOhms

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: BMA Plug Bulkhead Mount Slide-On Connector Solder/Non-Solder Contact Attachment for RG402, PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN PE45314

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BMA Plug Bulkhead Mount Slide-On Connector Solder/ Non-Solder Contact Attachment for RG402, PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN

RF Connectors
Technical Data Sheet

PE45314

Mechanical Specifications

Size

Length	0.7 in [17.78 mm]
Width/Dia.	0.315 in [8.00 mm]
Weight	0.006 lbs [2.72 g]
Mating Cycles	500 Cycles

Material Specifications

Description	Material	Plating
Contact	Bronze	Gold 51.18µ in. minimum
Insulation	PTFE	
Outer Conductor	Brass	Tri-Metal 78.74µ in. minimum
Body	Brass	Tri-Metal 78.74µ in. minimum
Washer	Brass	Tri-Metal

Environmental Specifications

Temperature

Operating Range	-65 to +125 deg C

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: BMA Plug Bulkhead Mount Slide-On Connector Solder/Non-Solder Contact Attachment for RG402, PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN PE45314

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BMA Plug Bulkhead Mount Slide-On Connector Solder/ Non-Solder Contact Attachment for RG402, PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN

RF Connectors
Technical Data Sheet

PE45314

BMA Plug Bulkhead Mount Slide-On Connector Solder/Non-Solder Contact Attachment for RG402, PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN 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.

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URL: https://www.pasternack.com/bma-plug-slide-on-rg402-pe-sr402al-pe-sr402fl-pe-sr402flj-connector-pe45314-p.aspx

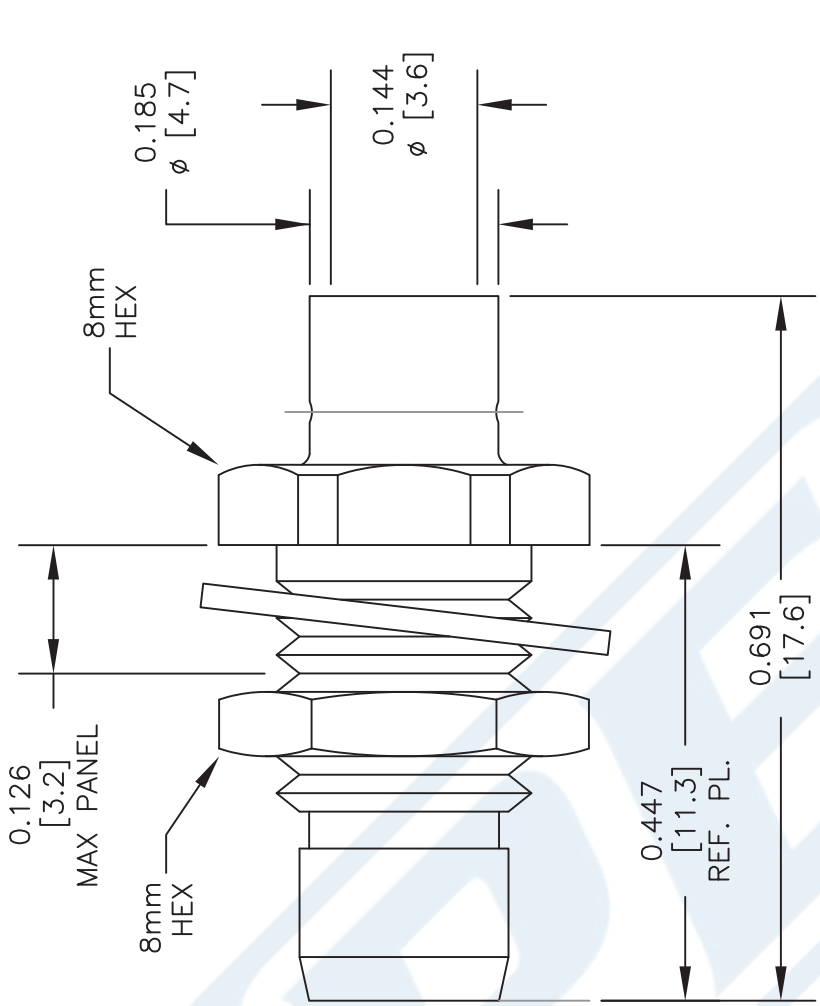
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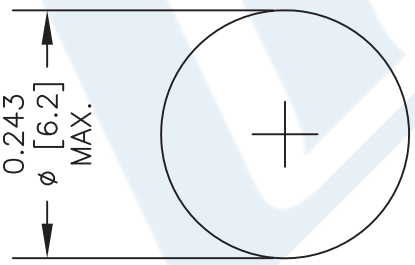
PE45314 CAD Drawing

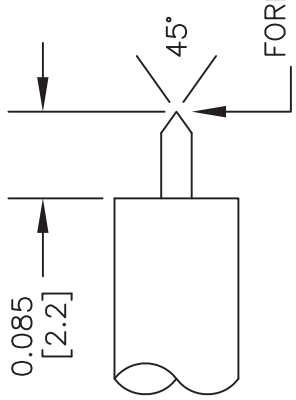
BMA Plug Bulkhead Mount Slide-On Connector Solder/Non-Solder Contact
Attachment for RG402, PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN



STANDARD TOLERANCES
.X ±0.2
.XX ±0.1
.XXX ±0.05

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES





STRIPPING DIMENSIONS

ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN. DO NOT NICK CENTER CONDUCTOR.
2. SLIDE CABLE INTO CONNECTOR INSURING CENTER CONDUCTOR MATES WITH CENTER PIN.
3. OUTER CONDUCTOR BOTTOMS OUT WITH BODY SHOULDER. SOLDER OUTER CONDUCTOR TO BODY.

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].

DWG TITLE **PE45314**

CAGE CODE 53919 | CAD FILE 022217 | SCALE N/A | SIZE A | 2233

PASTERNACK® THE ENGINEER'S RF SOURCE
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RG402 Coax Cable with Copper Outer Conductor



RG402/U

Configuration

- Semi-Rigid Cable
- M17/130-RG402
- 1 Shield(s)

Features

- Frequency range of 34 GHz
- Can be bent and formed into shape
- Low Loss
- Phase Stable

Applications

- Military & Defense
- Cable Assemblies
- Precise cable routing

Description

RG402/U part number from Pasternack is a RG402 coax cable that is semi-rigid. Pasternack RG402 semi-rigid coax cable is 50 Ohm and has a PTFE dielectric.RG402 coax has a shield count of 1 and the maximum frequency for this Pasternack cable is 34 GHz. RG402 coax cable has an attenuation at 1 GHz of 11.1 dB and a maximum power of 450 watts at 1 GHz.

Pasternack RG402 coax cables are part of over 40,000 RF, microwave and millimeter wave components. RG402 cables and our other RF parts are available for same day shipping worldwide. Custom RF cable assemblies using RG402 or other coax can be built and shipped same day as well.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		34	GHz
Impedance		50		Ohms
Velocity of Propagation		69.5		%
Dielectric Withstanding Voltage (AC)			5,000	Vrms
Corona Discharge at 60 Hz			1,900	Vrms
Power@ 1GHz			450	Watts

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	0.5	1	10	18	26.5	GHz
Attenuation, Typ	7.6	11.1	43.4	63.6	82.8	dB/100ft
	24.93	36.42	142.39	208.66	271.65	dB/100m
Input Power (CW), Max	600	450	120	73	70	Watts

Mechanical Specifications

Weight	0.032 lbs/ft [0.05 kg/m]
Min. Bend Radius (Repeated)	0.25 in [6.35 mm]

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RG402 Coax Cable with Copper Outer Conductor



RG402/U

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper Clad Steel, Silver, 1 Strand	0.036 in [0.91 mm]
Conductor Type	Solid	
Dielectric	PTFE	0.118 in [3 mm]
Outer Conductor	Copper	0.141 in [3.5 mm]
Jacket	Tan	

Environmental Specifications

Temperature

Operating Range	-55 to 125 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

RG402 Coax Cable with Copper Outer Conductor 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: RG402 Coax Cable with Copper Outer Conductor RG402/U

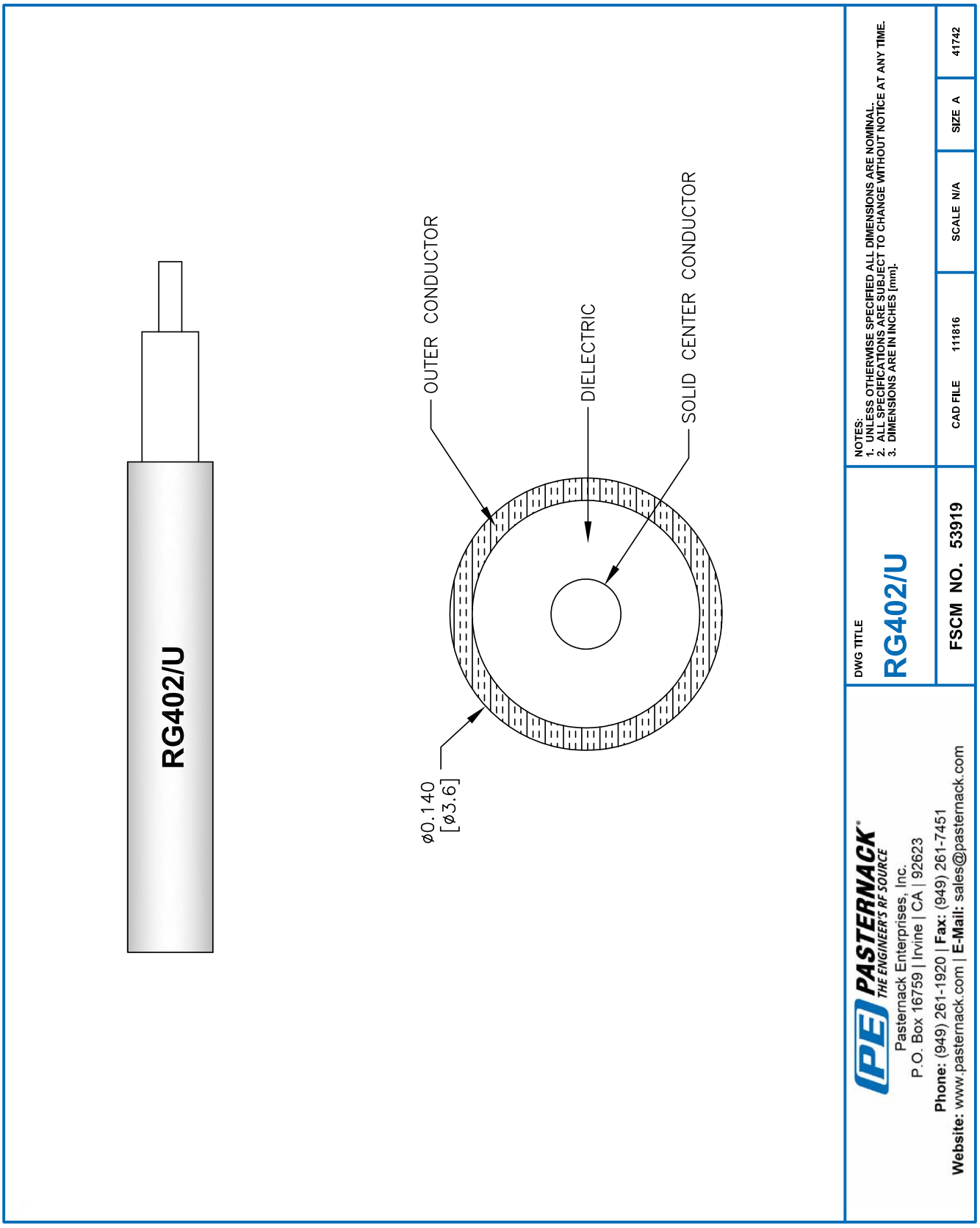
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RG402/U CAD Drawing

RG402 Coax Cable with Copper Outer Conductor



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