



N Male Right Angle Connector Clamp/Solder Attachment  
for PE-SR401AL, PE-SR401FL, RG401

TECHNICAL DATA SHEET

PE4935

**Configuration**

Connector	N Male
Connector Specification	MIL-STD-348A
Connector Interface Type	PE-SR401AL, PE-SR401FL, RG401
Attachment Method (Shield/Contact)	Clamp/Solder
Body Style	Right Angle

**Electrical Specifications**

Impedance	50 Ohms
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**Mechanical Specifications**

**Size**

Length	1.96 in [49.78 mm]
Width/Dia.	0.75 in [19.05 mm]
Height	1.29 in [32.77 mm]
Weight	0.22 lbs [99.79 g]

**Connector**

Type	N Male
Contact Material and Plating	Brass, Gold
Contact Plating Specification	30μ in. minimum
Coupling Nut Material and Plating	Brass, Nickel
Coupling Nut Plating Specification	100μ in. minimum
Body Material and Plating	Brass, Nickel
Body Plating Specification	100μ in. minimum
Dielectric Type	Teflon

**Compliance Certifications** (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)

RoHS Compliant

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Right Angle Connector Clamp/Solder Attachment for PE-SR401AL, PE-SR401FL, RG401 PE4935](#)



## N Male Right Angle Connector Clamp/Solder Attachment for PE-SR401AL, PE-SR401FL, RG401

### TECHNICAL DATA SHEET

PE4935

#### Plotted and Other Data

Notes:

- Values at +25 °C, sea level

N Male Right Angle Connector Clamp/Solder Attachment for PE-SR401AL, PE-SR401FL, RG401 from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

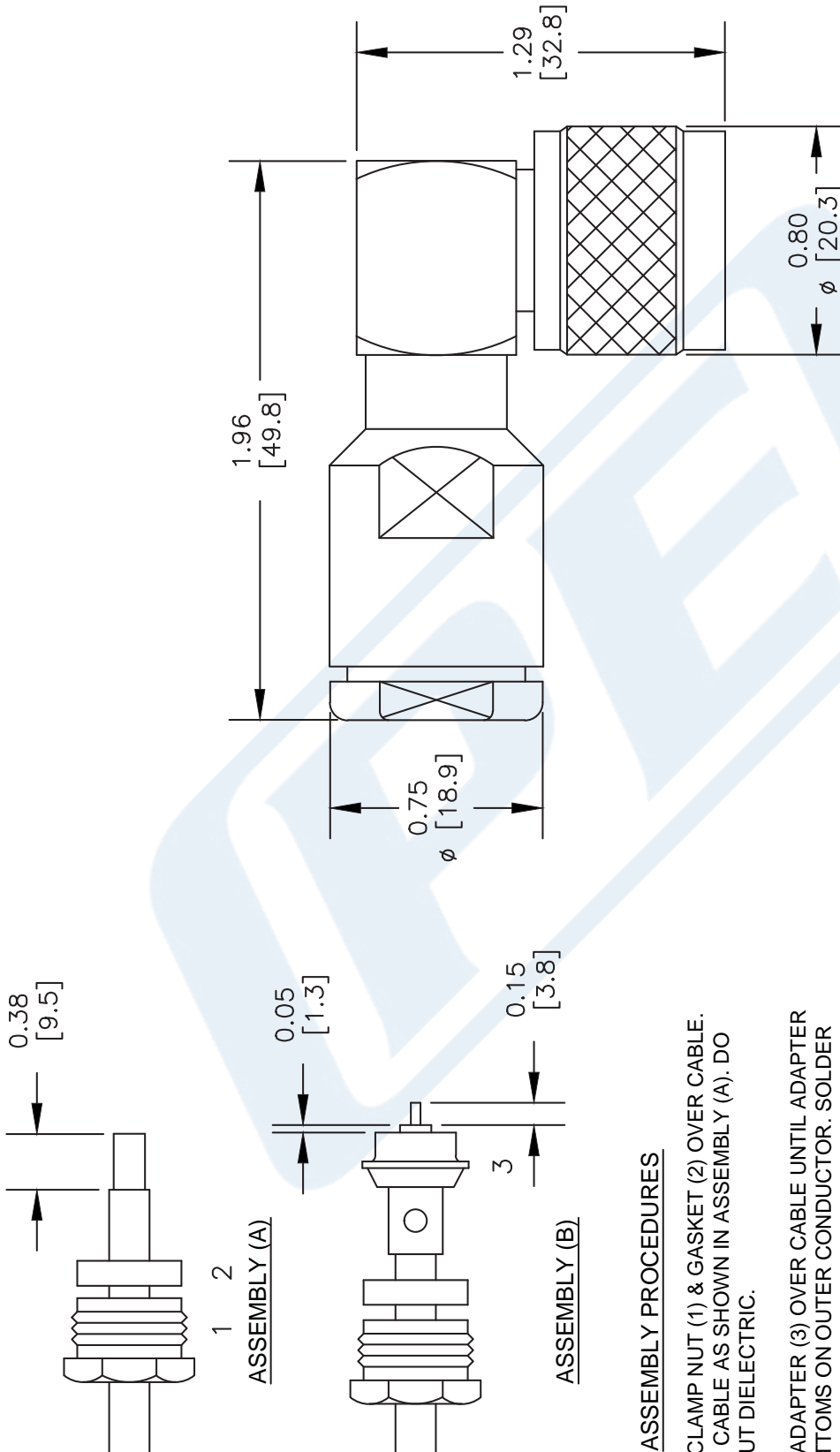
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Right Angle Connector Clamp/Solder Attachment for PE-SR401AL, PE-SR401FL, RG401 PE4935](#)

URL: <http://www.pasternack.com/n-male-standard-pe-sr401al-pe-sr401fl-rg401-connector-pe4935-p.aspx>

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# PE4935 CAD Drawing

N Male Right Angle Connector Clamp/Solder Attachment  
for PE-SR401AL, PE-SR401FL, RG401



## ASSEMBLY PROCEDURES

1. SLIDE CLAMP NUT (1) & GASKET (2) OVER CABLE. STRIP CABLE AS SHOWN IN ASSEMBLY (A). DO NOT CUT DIELECTRIC.
2. SLIDE ADAPTER (3) OVER CABLE UNTIL ADAPTER (3) BOTTOMS ON OUTER CONDUCTOR. SOLDER ADAPTER (3) TO OUTER CONDUCTOR USING MINIMUM HEAT.
3. STRIP CABLE AS SHOWN IN ASSEMBLY (B). SOLDER CONTACT TO CENTER CONDUCTOR. SLIDE ASSEMBLY FORWARD & TIGHTEN TO BODY.



**PASTERNAK®**

Pasternack Enterprises, Inc.  
P.O. Box 16759 | Irvine | CA | 92623  
Phone: (949) 261-1920 | Fax: (949) 261-7451  
Website: [www.pasternack.com](http://www.pasternack.com) | E-Mail: [sales@pasternack.com](mailto:sales@pasternack.com)

DWG TITLE

**PE4935**

FSCM NO. 53919

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.

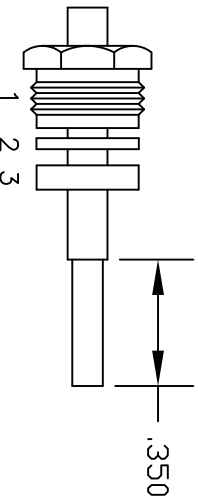
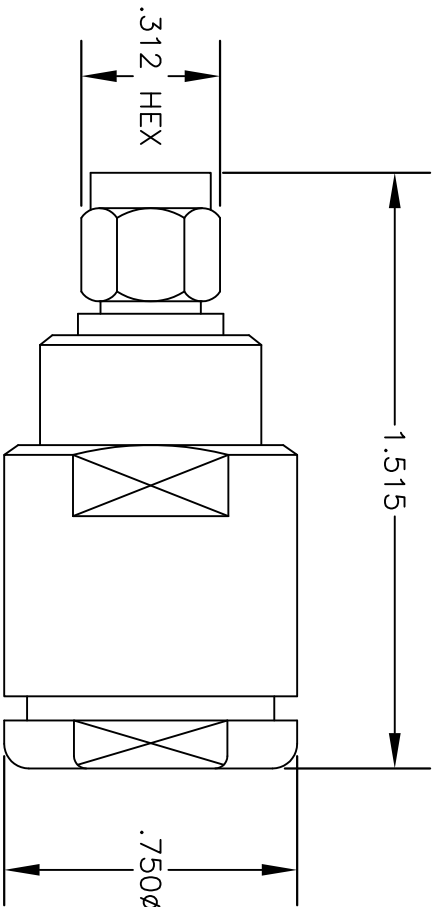
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SCALE N/A

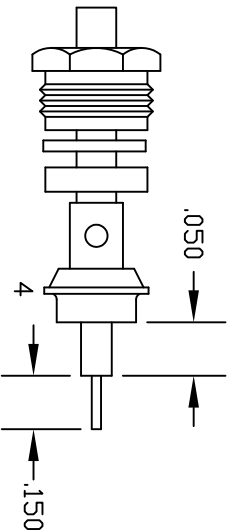
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MATERIALS			
BODY	BRASS NICKEL PLATED		
CONTACT	GOLD PLATED		
INSULATOR	PTFE		
SOLDER ADAPTER	GOLD PLATED		



ASSEMBLY (A)



ASSEMBLY (B)

#### ASSEMBLY PROCEDURES

1. SLIDE CLAMP NUT (1), WASHER (2) & GASKET (3) OVER CABLE. STRIP CABLE AS SHOWN IN ASSEMBLY (A). DO NOT CUT DIELECTRIC.
2. SLIDE ADAPTER (4) OVER CABLE UNTIL ADAPTER (4) BOTTOMS ON OUTER CONDUCTOR. SOLDER ADAPTER (4) TO OUTER CONDUCTOR USING MINIMUM HEAT.
3. STRIP CABLE AS SHOWN IN ASSEMBLY (B). SOLDER CONTACT TO CENTER CONDUCTOR. SLIDE ASSEMBLY FORWARD & TIGHTEN TO BODY.



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**PASTERNAK ENTERPRISES, INC.**  
P.O. BOX 16759, IRVINE, CA 92623  
PHONE (949) 261-1920 FAX (949) 261-7451  
WEB ADDRESS: [www.pasternack.com](http://www.pasternack.com)  
E-MAIL ADDRESS: [sales@pasternack.com](mailto:sales@pasternack.com)  
**COAXIAL & FIBER OPTICS**

DWG TITLE **PE4403** DES. SMA MALE, SOLDER/CLAMP FOR RG401, PE-SR401AL & PE-SR401FL

SIZE A	FSCM NO. 53919	CAD FILE	051302	SCALE	N/A		127
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## RG401 Coax Cable with Copper

## TECHNICAL DATA SHEET

RG401/U

## RG401 Coax Cable with Copper

**Configuration**

Inner Conductor Material and Plating	Copper, Silver
Dielectric Type	PTFE
Shield Materials	Copper
Jacket Material and Color	Tan

**Electrical Specifications**

Impedance, Ohms	50
Velocity of Propagation, %	69.5
Maximum Operating Frequency, GHz	20
Capacitance, pF/ft [pF/m]	29.6 [97.11]
Maximum Operating Voltage, Volts	3,000
Dielectric Withstanding Voltage, Vrms	7,500

**Electrical Specifications by Frequency****Frequency 1**

Frequency, MHz	1000
Attenuation, dB/100ft [dB/100m]	7.5 [24.61]
Power Handling, KWatts	1,400

**Frequency 2**

Frequency, GHz	10
Attenuation, dB/100ft [dB/100m]	33 [108.27]
Power Handling, Watts	350

**Frequency 3**

Frequency, GHz	20
Attenuation, dB/100ft [dB/100m]	48 [157.48]
Power Handling, Watts	200

**Mechanical Specifications****Temperature**

Operating Range, deg C	-55 to +125
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**Inner Conductor**

Number of Strands	1
Material	Copper
Plating	Silver
Diameter, in [mm]	0.064 [1.63]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [RG401 Coax Cable with Copper RG401/U](#)

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## RG401 Coax Cable with Copper

## TECHNICAL DATA SHEET

RG401/U

**Dielectric:**

Type	PTFE
Diameter, in [mm]	0.209 [5.31]

**Shield:**

Number of	1
Material 1	Copper
Diameter, in [mm]	0.25 [6.35]

**Jacket:**

Color	Tan
One Time Minimum Bend Radius, in [mm]	0.25 [6.35]
Weight, lbs/ft [Kg/m]	0.105 [0.16]

**Compliance Certifications** (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)

RoHS Compliant	Yes
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**Plotted and Other Data**

Notes:	Values at 25 °C, sea level
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RG401 Coax Cable with Copper 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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [RG401 Coax Cable with Copper RG401/U](#)

URL: <http://www.pasternack.com/semirigid-0.250-rg401-50-ohm-coax-cable-copper-rg401-u-p.aspx>

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IMPEDANCE: 50 OHMS  
INNER CONDUCTOR DIAMETER: .0641"  
INNER CONDUCTOR MATERIAL: SILVER COVERED COPPER  
DIELECTRIC DIAMETER: .209"  
DIELECTRIC MATERIAL: SOLID POLYTETRAFLUOROETHYLENE  
OUTER DIAMETER: .250"  
OUTER SHIELD: BARE COPPER TUBE  
OPERATING TEMPERATURE: - 55° TO + 150° C  
MAX OPERATING VOLTAGE (VOLTS RMS): 3,000

NOMINAL ATTENUATION ( PER 100 FEET )

1 GHz	7.5 dB
10 GHz	33.0 dB
20 GHz	48.00 dB

MAXIMUM POWER HANDLING ( AVERAGE POWER IN WATTS )

1 GHz	1,400
10 GHz	350
20 GHz	200



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REV. B

FSCM NO. 53919

CAD FILE 070512

SCALE N/A

SIZE A

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