



TNC Male Connector Solder Attachment For
PE-SR401AL, PE-SR401FL, RG401

TECHNICAL DATA SHEET

PE4909

TNC Male Connector Solder Attachment For PE-SR401AL, PE-SR401FL, RG401

Configuration

Connector	TNC Male
Connector Specification	MIL-C-39012
Connector Interface Type	PE-SR401AL,PE-SR401FL,RG401
Cable Attachment Method (Shield/Contact)	Solder/Solder
Body Style	Straight

Electrical Specifications

Impedance, Ohms	50
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Mechanical Specifications

Temperature

Operating Range, deg C	-65 to +165
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Size

Length, in [mm]	0.9 [22.86]
Width/Dia., in [mm]	0.59 [14.99]
Weight, lbs [g]	0.034 [15.42]

Connector

Type	TNC Male
Contact Material and Plating	Gold
Contact Plating Specification	MIL-G-45204
Coupling Nut Material and Plating	Brass, Nickel
Body Material and Plating	Brass, Gold
Body Plating Specification	MIL-G-45204
Dielectric Type	Teflon

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

RoHS Compliant	Yes
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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: [TNC Male Connector Solder Attachment For PE-SR401AL, PE-SR401FL, RG401 PE4909](#)

The information contained in 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 implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal.



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Plotted and Other Data

Notes:

Values at 25 °C, sea level

TNC Male Connector Solder Attachment For PE-SR401AL, PE-SR401FL, RG401 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.

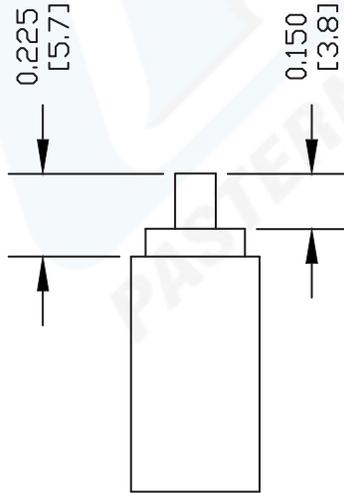
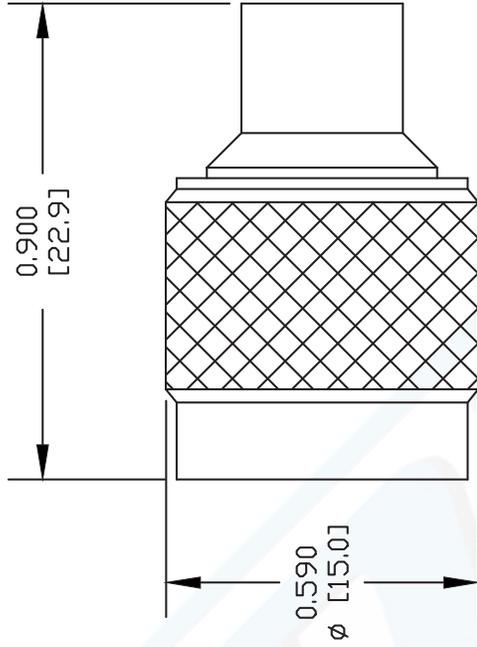
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URL: <http://www.pasternack.com/tnc-male-standard-pe-sr401al-pe-sr401fl-rg401-connector-pe4909-p.aspx>

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PE4909 CAD Drawing

TNC Male Connector Solder Attachment For PE-SR401AL, PE-SR401FL, RG401



STRIPPING DIMENSIONS

ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN DO NOT NICK CENTER CONDUCTOR.
2. SOLDER CONTACT TO CENTER CONDUCTOR.
3. INSERT CABLE INTO BODY UNTIL OUTER CONDUCTOR BOTTOMS OUT WITH BODY SHOULDER. SOLDER OUTER CONDUCTOR TO BODY.

DWG TITLE

PE4909

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 062402

SCALE N/A

SIZE A

XXXX



PASTERNAK[®]
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N Male Connector Solder Attachment for PE-SR401AL, PE-SR401FL, RG401



PE4376

Configuration

- N Male Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: PE-SR401AL, PE-SR401FL, RG401

Features

- Max. Operating Frequency 8 GHz
- Good VSWR of 1.5:1
- Gold Plated Brass Contact
- 30 μ m minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4376 type N , N, Standard, Connector is part of our full line of RF components available for same-day shipping. Our type N male connector operates up to a maximum frequency of 8 GHz and offers good VSWR of 1.5:1.

Our type N male connector PE4376 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		8	GHz
VSWR			1.5:1	
Operating Voltage (AC)			1,000	Vrms
Impedance		50		Ohms

Mechanical Specifications

Size

Length	0.965 in [24.51 mm]
Width	0.787 in [19.99 mm]
Height	0.787 in [19.99 mm]
Weight	0.068 lbs [30.84 g]

N Male Connector Solder Attachment for PE-SR401AL, PE-SR401FL, RG401



PE4376

Material Specifications

Description	Material	Plating
Contact	Brass	Gold 30 µin minimum
Insulation	PTFE	
Body	Brass	Gold 3 µin minimum
Coupling Nut	Brass	Nickel 100 µin minimum

Environmental Specifications

Temperature Operating Range	-65 to +165 deg C
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Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

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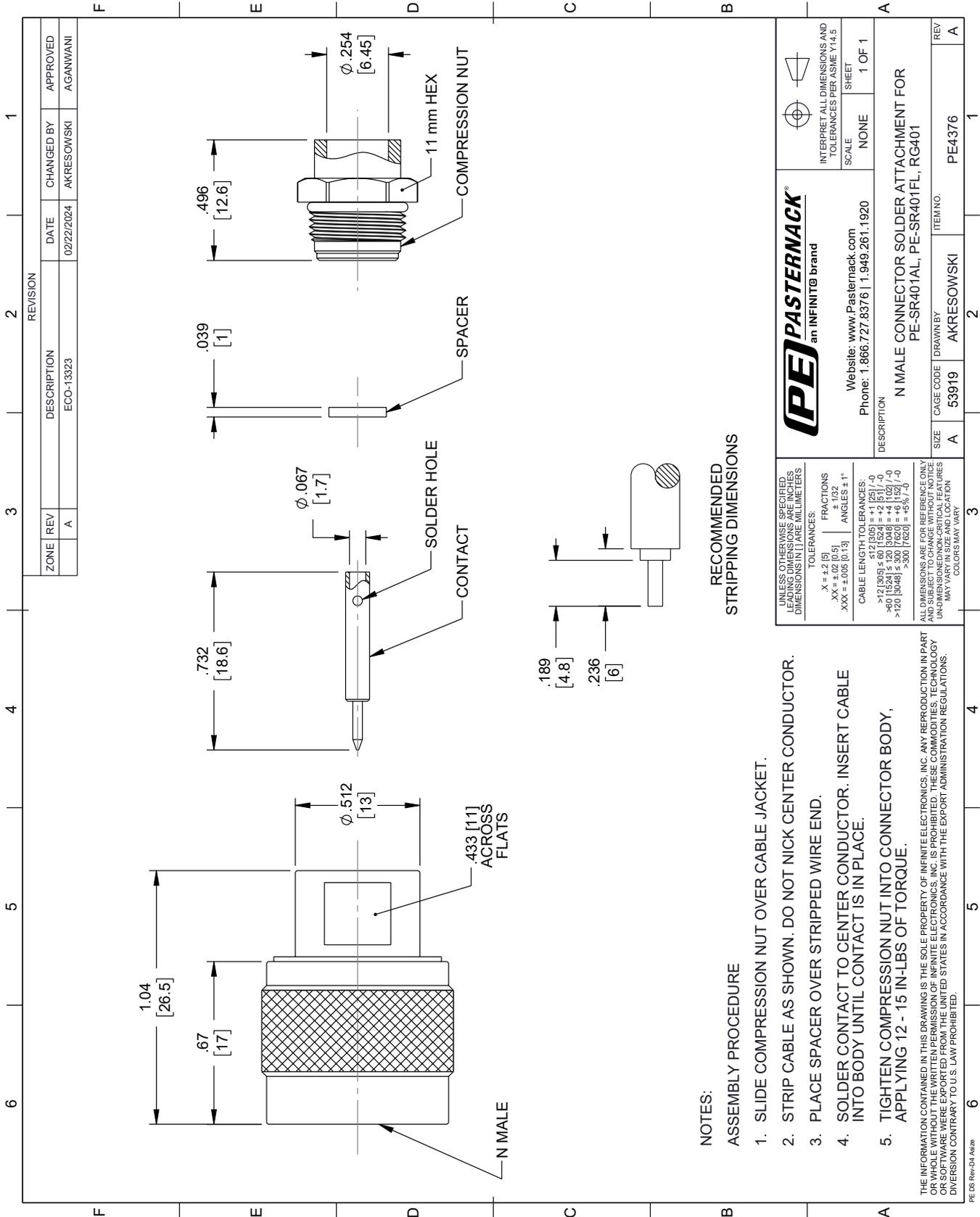
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URL: <https://www.pasternack.com/n-male-standard-pe-sr401al-pe-sr401fl-rg401-connector-pe4376-p.aspx>

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PE4376 CAD Drawing

N Male Connector Solder Attachment for PE-SR401AL, PE-SR401FL, RG401





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 for current document)

RoHS Compliant Yes

Plotted and Other Data

Notes: Values at 25 °C, sea level

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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: [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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PASTERNAK ENTERPRISES RG401/U

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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DWG TITLE

RG401/U

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REV. B

FSCM NO. 53919

CAD FILE 070512

SCALE N/A

SIZE A

2233