



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

### RF Connectors Technical Data Sheet

**PE4376**

#### Configuration

- N Male Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- PE-SR401AL, PE-SR401FL, RG401 Interface Type
- Solder/Solder Attachment

#### Features

- Max. Operating Frequency 11 GHz
- Good VSWR of 1.5:1
- Gold Plated Brass Contact
- 30 µin minimum contact plating

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

Pasternack's PE4376 type N male connector with solder/solder attachment for PE-SR401AL, PE-SR401FL and RG401 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 11 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      |         | 11      | GHz   |
| VSWR                   |         |         | 1.5:1   |       |
| Operating Voltage (AC) |         |         | 1,000   | Vrms  |

#### Mechanical Specifications

##### Size

|            |                     |
|------------|---------------------|
| Length     | 0.965 in [24.51 mm] |
| Width/Dia. | 0.787 in [19.99 mm] |
| Weight     | 0.068 lbs [30.84 g] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Connector Solder Attachment for PE-SR401AL, PE-SR401FL, RG401 PE4376](#)



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

RF Connectors  
Technical Data Sheet

PE4376

**Material Specifications**

| Description  | Material | Plating                   |
|--------------|----------|---------------------------|
| Contact      | Brass    | Gold<br>30 µin minimum    |
| Insulation   | PTFE     |                           |
| Body         | Brass    | Gold<br>3 µin minimum     |
| Coupling Nut | Brass    | Nickel<br>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:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Connector Solder Attachment for PE-SR401AL, PE-SR401FL, RG401 PE4376](#)

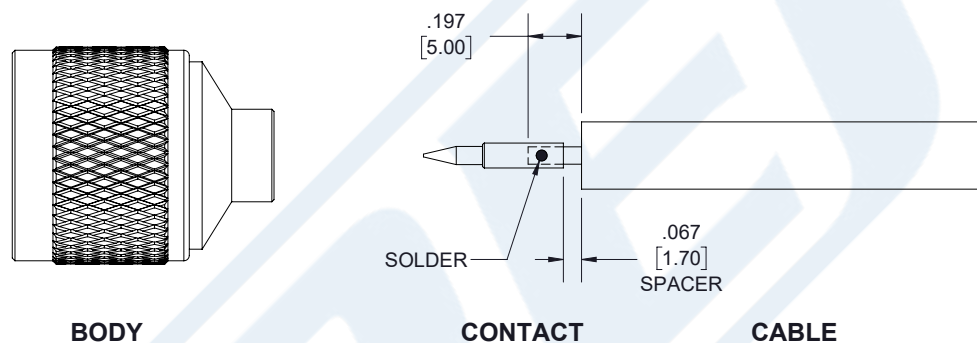


N Male Connector Solder Attachment for PE-SR401AL, PE-SR401FL, RG401

RF Connectors  
Technical Data Sheet

PE4376

**Assembly Instruction**



**ASSEMBLY PROCEDURES**

1. STRIP CABLE TO THE DIMENSIONS SHOWN. DO NOT NICK CENTER CONDUCTOR.
2. PUSH CENTER CONDUCTOR INTO CONTACT WITH LEAVE SPACER. AND SOFT SOLDER CENTER CONDUCTOR IN PLACE.
3. INSERT CABLE INTO BODY UNTIL OUTER CONDUCTOR IS FLUSH WITH BODY SHOULDER. SOLDER OUTER CONDUCTOR TO BODY.

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

### RF Connectors Technical Data Sheet

PE4376

N 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 millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

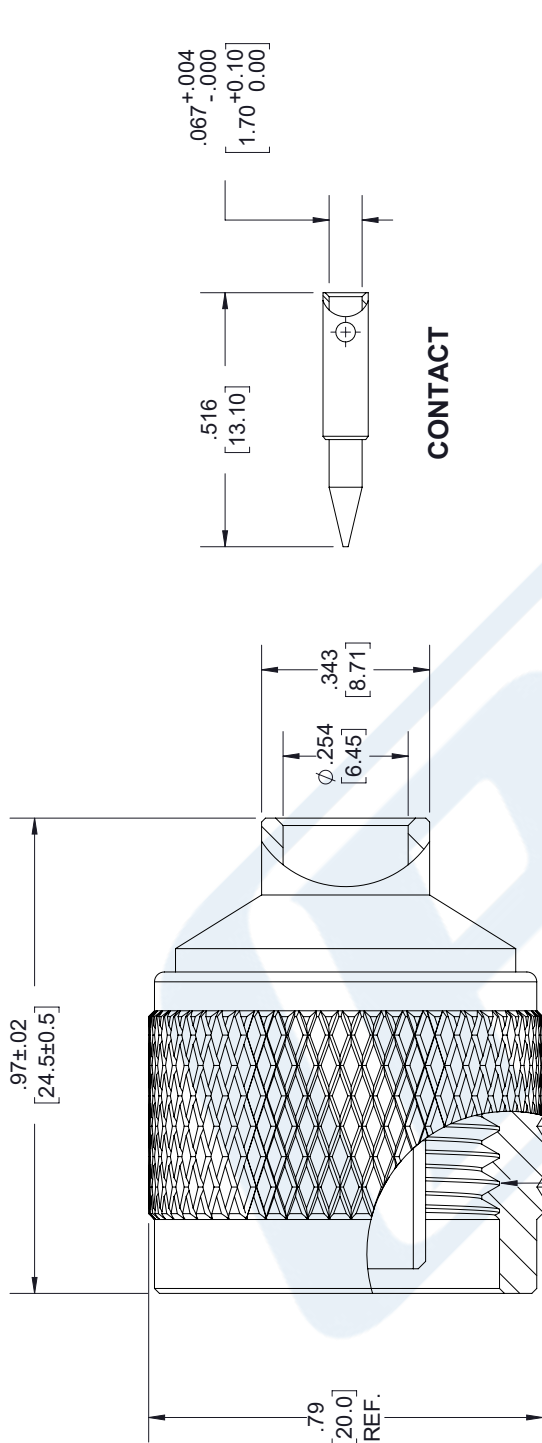
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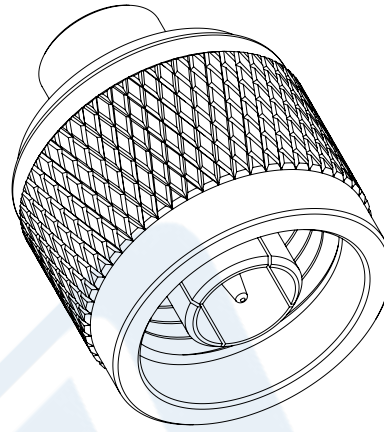
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# PE4376 CAD Drawing

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



5/8-24 UNEF  
N MALE



| STANDARD TOLERANCES |
|---------------------|
| .X ±0.2             |
| .XX ±0.01           |
| .XXX ±0.005         |

\*STANDARD TOLERANCES APPLY  
ONLY TO DIMENSIONS IN INCHES



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DWG TITLE

PE4376

NOTES:  
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2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.  
3. DIMENSIONS ARE IN INCHES [mm].

CAGE CODE 53919

CAD FILE 08/27/18

SCALE N/A

SIZE A

7361



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### RF Connectors Technical Data Sheet

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- 50 Ohms
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#### Electrical Specifications

| Description            | Minimum | Typical | Maximum | Units |
|------------------------|---------|---------|---------|-------|
| Frequency Range        | DC      |         | 11      | GHz   |
| VSWR                   |         |         | 1.5:1   |       |
| Operating Voltage (AC) |         |         | 1,000   | Vrms  |

#### Mechanical Specifications

##### Size

|            |                     |
|------------|---------------------|
| Length     | 0.965 in [24.51 mm] |
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N Male Connector Solder Attachment for PE-SR401AL, PE-SR401FL, RG401

RF Connectors  
Technical Data Sheet

PE4376

**Material Specifications**

| Description  | Material | Plating                   |
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**Environmental Specifications**

**Temperature**

Operating Range

-65 to +165 deg C

**Compliance Certifications** (see [product page](#) for current document)

**Plotted and Other Data**

Notes:

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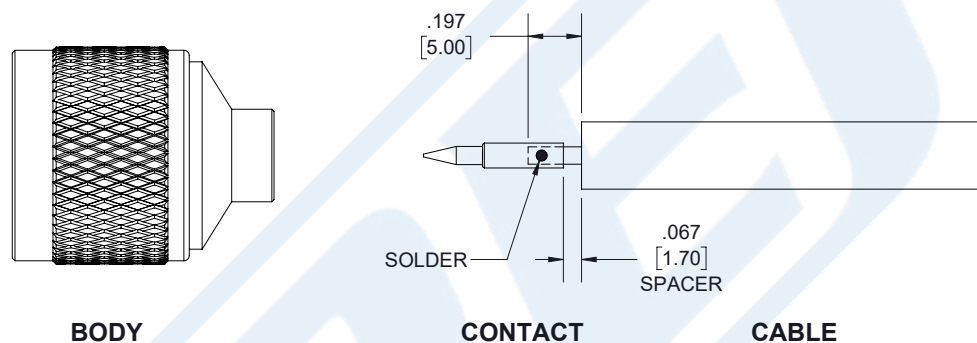


N Male Connector Solder Attachment for PE-SR401AL, PE-SR401FL, RG401

RF Connectors  
Technical Data Sheet

PE4376

**Assembly Instruction**



**ASSEMBLY PROCEDURES**

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

### RF Connectors Technical Data Sheet

PE4376

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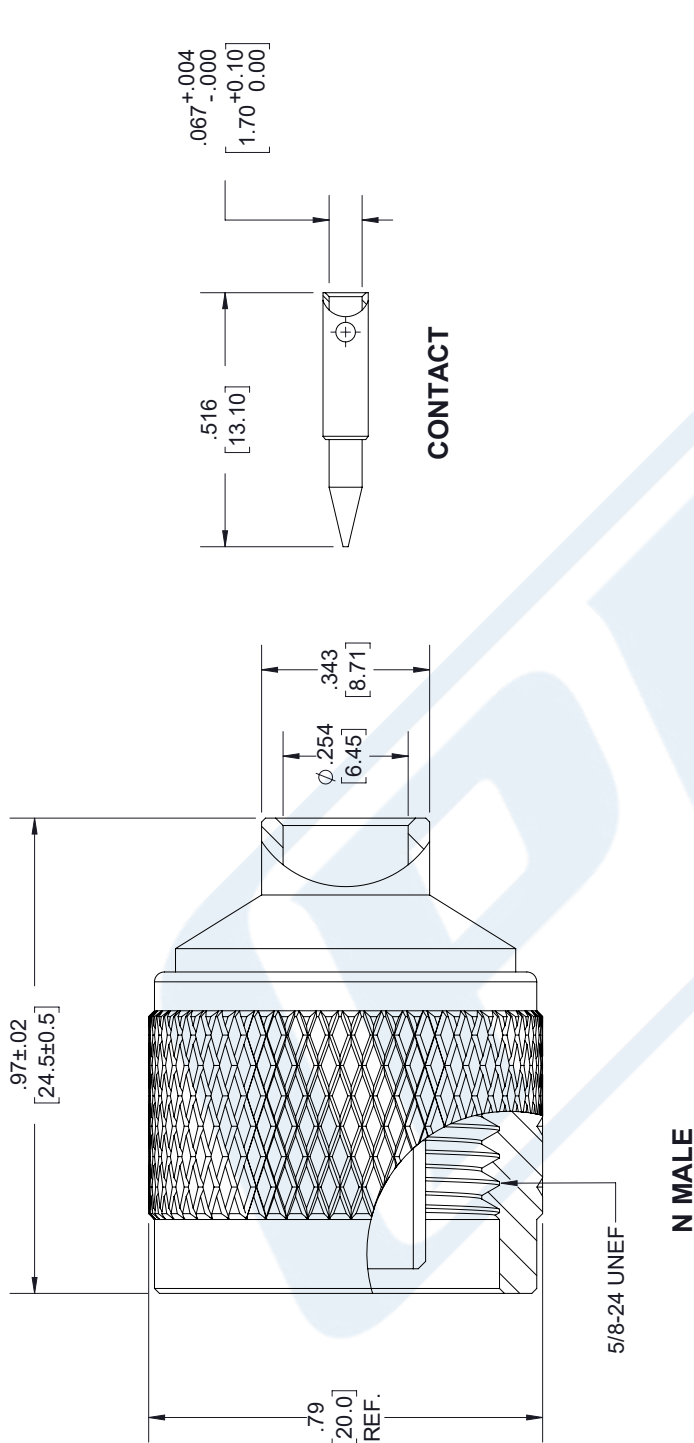
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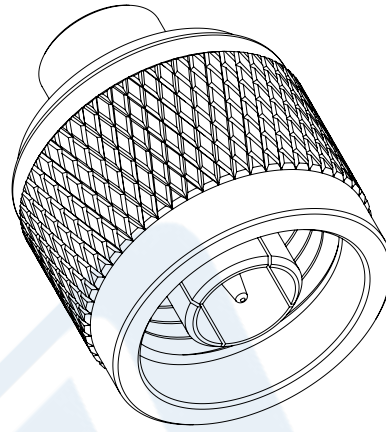
# PE4376 CAD Drawing

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



| STANDARD TOLERANCES |
|---------------------|
| .X ±0.2             |
| .XX ±0.01           |
| .XXX ±0.005         |

\*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES



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DWG TITLE  
PE4376

CAGE CODE 53919

SIZE A

SCALE N/A

CAD FILE 08/27/18

7361

**PE PASTERNAK®**  
THE ENGINEER'S RF SOURCE

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Website: [www.pasternack.com](http://www.pasternack.com) | E-Mail: [sales@pasternack.com](mailto:sales@pasternack.com)

## 250 Semi-rigid Coax Cable with Tinned Aluminum Outer Conductor

### RF Cables Technical Data Sheet

PE-SR401AL-STRAIGHT

#### Configuration

- Semi-Rigid Cable
- 1 Shield(s)

#### Features

- Supplied in 5 foot maximum straight lengths

#### Electrical Specifications

| Description                          | Minimum | Typical | Maximum | Units |
|--------------------------------------|---------|---------|---------|-------|
| Frequency Range                      | DC      |         | 18      | GHz   |
| Impedance                            |         | 50      |         | Ohms  |
| Velocity of Propagation              |         | 69.5    |         | %     |
| Dielectric Withstanding Voltage (AC) |         |         | 7,500   | Vrms  |
| Corona Discharge<br>at 60 Hz         |         |         | 3,000   | Vrms  |

#### Performance by Frequency Band

| Description           | F1    | F2    | F3    | F4     | F5     | Units    |
|-----------------------|-------|-------|-------|--------|--------|----------|
| Frequency             | 0.4   | 1     | 5     | 10     | 18     | GHz      |
| Attenuation, Typ      | 4.5   | 7.5   | 22    | 33     | 48     | dB/100ft |
|                       | 14.76 | 24.61 | 72.18 | 108.27 | 157.48 | dB/100m  |
| Input Power (CW), Max | 962   | 661   | 265   | 174    | 100    | Watts    |

#### Mechanical Specifications

Min. Bend Radius (Repeated) 0.75 in [19.05 mm]

#### Construction Specifications

| Description     | Material and Plating | Diameter         |
|-----------------|----------------------|------------------|
| Inner Conductor | Copper, Silver       | 0.064 in 1.63 mm |
| Conductor Type  | Solid                |                  |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [250 Semi-rigid Coax Cable with Tinned Aluminum Outer Conductor PE-SR401AL-STRAIGHT](#)



## 250 Semi-rigid Coax Cable with Tinned Aluminum Outer Conductor

### RF Cables Technical Data Sheet

PE-SR401AL-STRAIGHT

|                 |                              |                  |
|-----------------|------------------------------|------------------|
| Dielectric      | PTFE                         | 0.209 in 5.31 mm |
| Outer Conductor | Aluminum, Tin<br>MIL-T-10727 | 0.25 in 6.35 mm  |

#### Environmental Specifications

##### Temperature

Operating Range

-40 to +100 deg C

**Compliance Certifications** (see [product page](#) for current document)

#### Plotted and Other Data

Notes:

250 Semi-rigid Coax Cable with Tinned Aluminum 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: [250 Semi-rigid Coax Cable with Tinned Aluminum Outer Conductor PE-SR401AL-STRAIGHT](#)

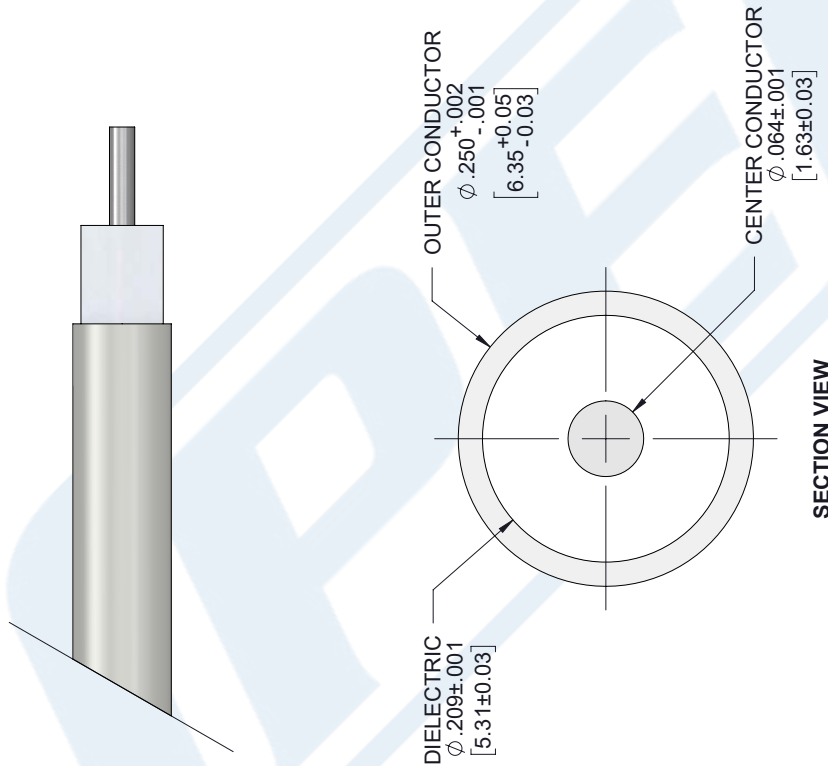
URL: <https://www.pasternack.com/semirigid-pe-sr401al-coax-cable-tin-plated-aluminum-straight-pe-sr401al-straight-p.aspx>

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# PE-SR401AL-STRAIGHT CAD Drawing

250 Semi-rigid Coax Cable with Tinned Aluminum Outer Conductor

| REVISIONS |                 |          |          |
|-----------|-----------------|----------|----------|
| REV.      | DESCRIPTION     | DATE     | APPROVED |
| A         | INITIAL RELEASE | 08/27/19 | SELLIS   |



|  |             |
|--|-------------|
| UNLESS OTHERWISE SPECIFIED<br>LEADING DIMENSIONS ARE INCHES<br>DIMENSIONS IN [ ] ARE MILLIMETERS |             |
| TOLERANCES:  | FRACTIONS   |
| X±.2 [5.08]  | ±.132       |
| .XX±.01 [.25]  | ±.13        |
| .XXX±.005 [.13]  | ANGLES ± 1° |
| ALL DIMENSIONS SHOWN<br>ARE FOR REFERENCE ONLY.  |             |
| THIRD-ANGLE PROJECTION   |             |
|  |             |

|   |                     |
|---|---------------------|
| <b>PE PASTERNAK</b><br>an INFINITO brand<br>Pasternack Enterprises, Inc.<br>P.O. Box 16759, Irvine, CA 92623.<br>Phone: 1.949.261.1920   1.866.727.8376<br>Fax: 1.949.261.7451<br>www.pasternack.com   e-mail: sales@pasternack.com |                     |
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| SCALE   | N/A                 |
| SIZE  | CAGE                |
| A   | 53919               |
| DRAWN BY  | K.DANG              |
| PART NUMBER   | PE-SR401AL-STRAIGHT |
| REV   | A                   |

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