

## QN Male Connector Solder Attachment For PE-SR402AL, PE-SR402FL, RG402



### PE44599

#### Configuration

- QN Male Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: PE-SR402AL, PE-SR402FL, RG402

#### Features

- Max. Operating Frequency 6 GHz
- PIM levels lower than -160 dBc
- Silver Plated Brass Copper Contact

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

Pasternack's PE44599 , QN, Standard, Connector is part of our full line of RF components available for same-day shipping. Our QN male connector operates up to a maximum frequency of 6 GHz. The QN male connector also has low passive intermodulation of -160 dBc.

Our QN male connector PE44599 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		6	GHz
Passive Intermodulation		-160		
Dielectric Withstanding Voltage (AC)			1,000	Vrms
Impedance		50		Ohms

#### Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 3	3 to 6				GHz
VSWR, Max	1.15:1	1.25:1				

#### Mechanical Specifications

##### Size

Length	0.992 in [25.2 mm]
Width	0.748 in [19.00 mm]
Weight	0.0375 lbs [17.01 g]

## QN Male Connector Solder Attachment For PE-SR402AL, PE-SR402FL, RG402

**PE44599**



### Material Specifications

Description	Material	Plating
Contact	Brass Copper	Silver
Insulation	PTFE	
Body	Brass	Tri-Metal

### Environmental Specifications

#### Temperature

Operating Range -40 to +155 deg C

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

### Plotted and Other Data

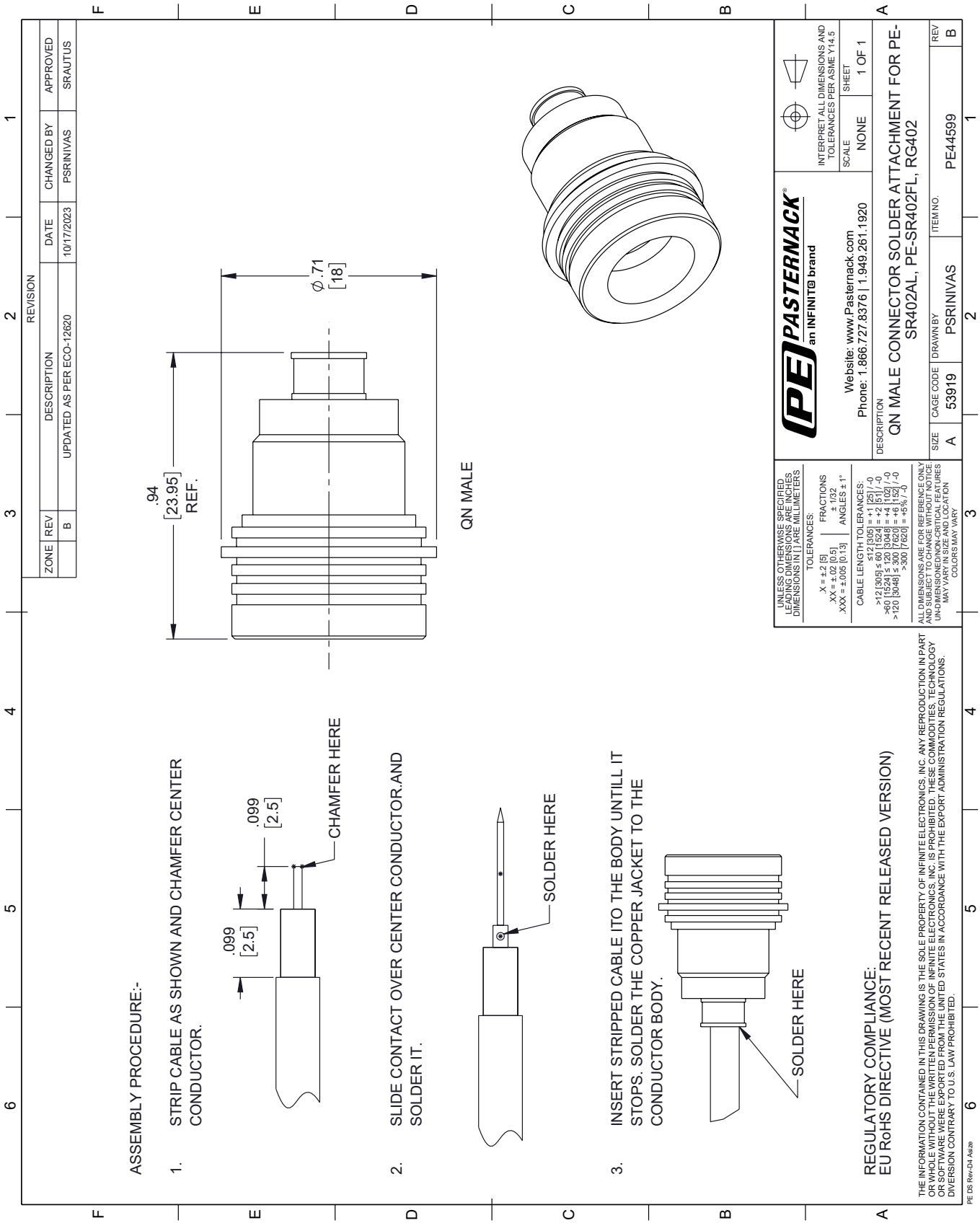
Notes:

QN Male Connector Solder Attachment For PE-SR402AL, PE-SR402FL, RG402 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: [QN Male Connector Solder Attachment For PE-SR402AL, PE-SR402FL, RG402 PE44599](#)

URL: <https://www.pasternack.com/qn-male-standard-pe-sr402al-pe-sr402fl-rg402-connector-pe44599-p.aspx>

The information contained within 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 Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.



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#### Electrical Specifications

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Frequency Range	DC		6	GHz
Passive Intermodulation		-160		
Dielectric Withstanding Voltage (AC)			1,000	Vrms
Impedance		50		Ohms

#### Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 3	3 to 6				GHz
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### Material Specifications

Description	Material	Plating
Contact	Brass Copper	Silver
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Body	Brass	Tri-Metal

### Environmental Specifications

#### Temperature

Operating Range -40 to +155 deg C

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### Plotted and Other Data

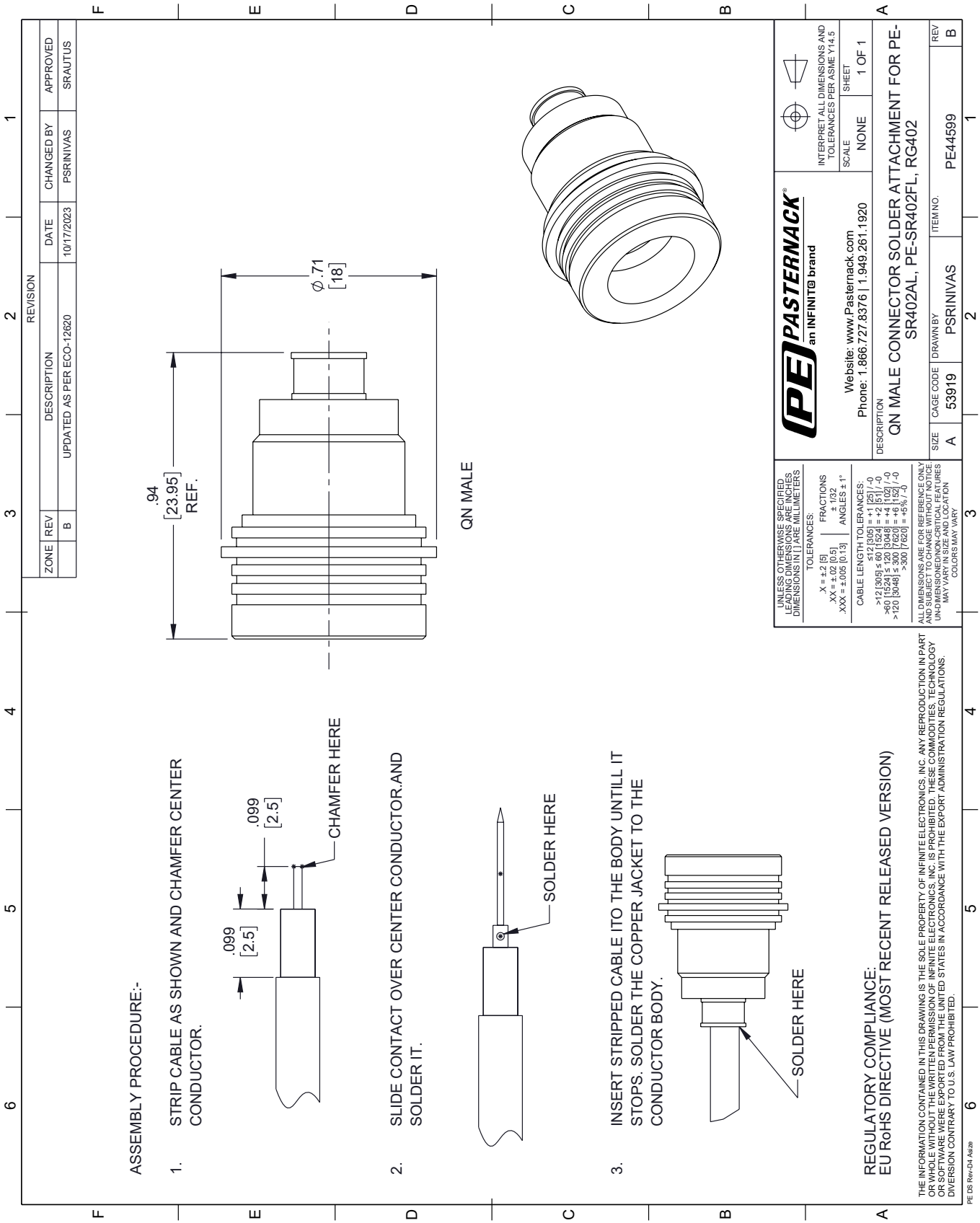
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# 141 Semi-rigid Coax Cable with Tinned Aluminum

## RF Cables Technical Data Sheet

PE-SR402AL

### Configuration

- Semi-Rigid Cable
- 1 Shield(s)

### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		36	GHz
Impedance		50		Ohms
Velocity of Propagation		69.5		%
Dielectric Withstanding Voltage (AC)			5,000	Vrms

### Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	1	10	20			GHz
Attenuation, Max	13	46	71			dB/100ft
	42.65	150.92	232.94			dB/100m
Input Power (CW), Max	450	120	70			Watts

### Mechanical Specifications

Min. Bend Radius (Repeated) 0.15 in [3.81 mm]

### 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	Tinned Aluminum	0.141 in 3.58 mm

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [141 Semi-rigid Coax Cable with Tinned Aluminum PE-SR402AL](#)

## 141 Semi-rigid Coax Cable with Tinned Aluminum

### RF Cables Technical Data Sheet

PE-SR402AL

#### Environmental Specifications

##### Temperature

Operating Range

-55 to +125 deg C

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

#### Plotted and Other Data

Notes:

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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: [141 Semi-rigid Coax Cable with Tinned Aluminum PE-SR402AL](#)

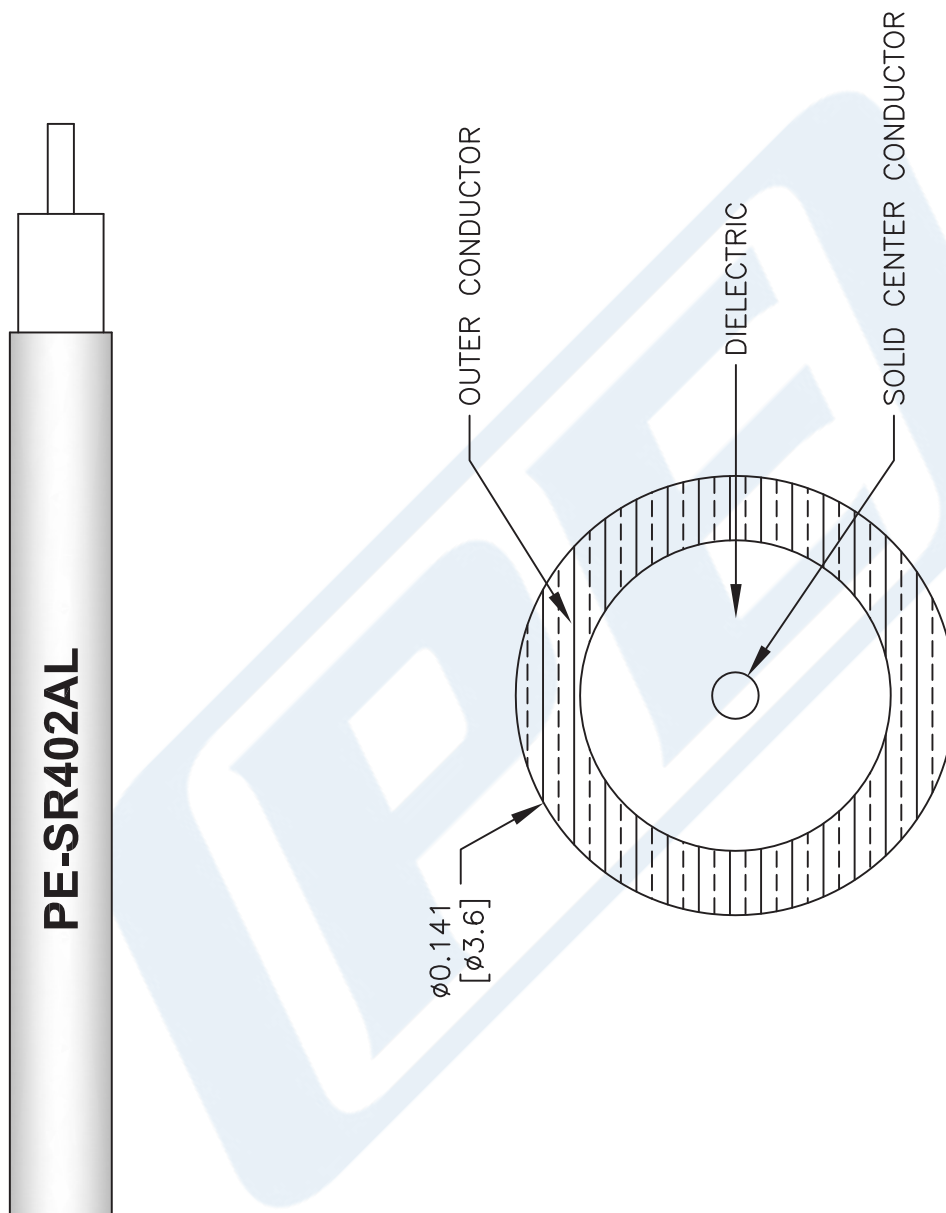
URL: <https://www.pasternack.com/semirigid-0.141-50-ohm-coax-cable-tinned-aluminum-pe-sr402al-p.aspx>

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# PE-SR402AL CAD Drawing

141 Semi-rigid Coax Cable with Tinned Aluminum



DWG TITLE

**PE-SR402AL**

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].

FSCM NO. 53919

CAD FILE 111716

SCALE N/A

SIZE A

41742

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

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