



SMA Female Bulkhead Mount Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402

RF Connectors
Technical Data Sheet

PE44697

Configuration

- SMA Female Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: PE-SR402AL, PE-SR-402FL, PE-SR402FLJ, PE-SR402TN, RG402
- Bulkhead

Features

- Max. Operating Frequency 18 GHz
- Gold over Nickel Plated Beryllium Copper Contact

Applications

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

Description

Pasternack's PE44697 SMA female bulkhead connector with solder/solder attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN and RG402 is part of our full line of RF components available for same-day shipping. Our SMA female connector operates up to a maximum frequency of 18 GHz. This SMA 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 SMA female bulkhead connector PE44697 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		18	GHz

Mechanical Specifications

Size	
Length	0.579 in [14.71 mm]
Width/Dia.	0.433 in [11.00 mm]
Weight	0.007 lbs [3.18 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Female Bulkhead Mount Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402 PE44697](#)



SMA Female Bulkhead Mount Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402

RF Connectors
Technical Data Sheet

PE44697

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold over Nickel
Insulation	PTFE	
Body	Brass	Gold over Nickel

Environmental Specifications

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

Plotted and Other Data

Notes:

SMA Female Bulkhead Mount Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, 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: [SMA Female Bulkhead Mount Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402 PE44697](#)

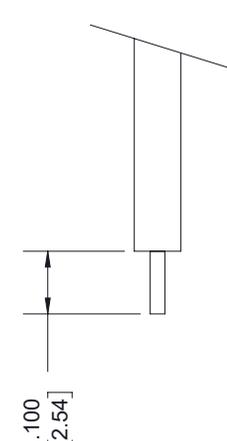
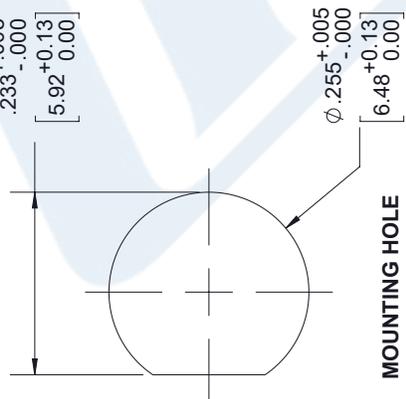
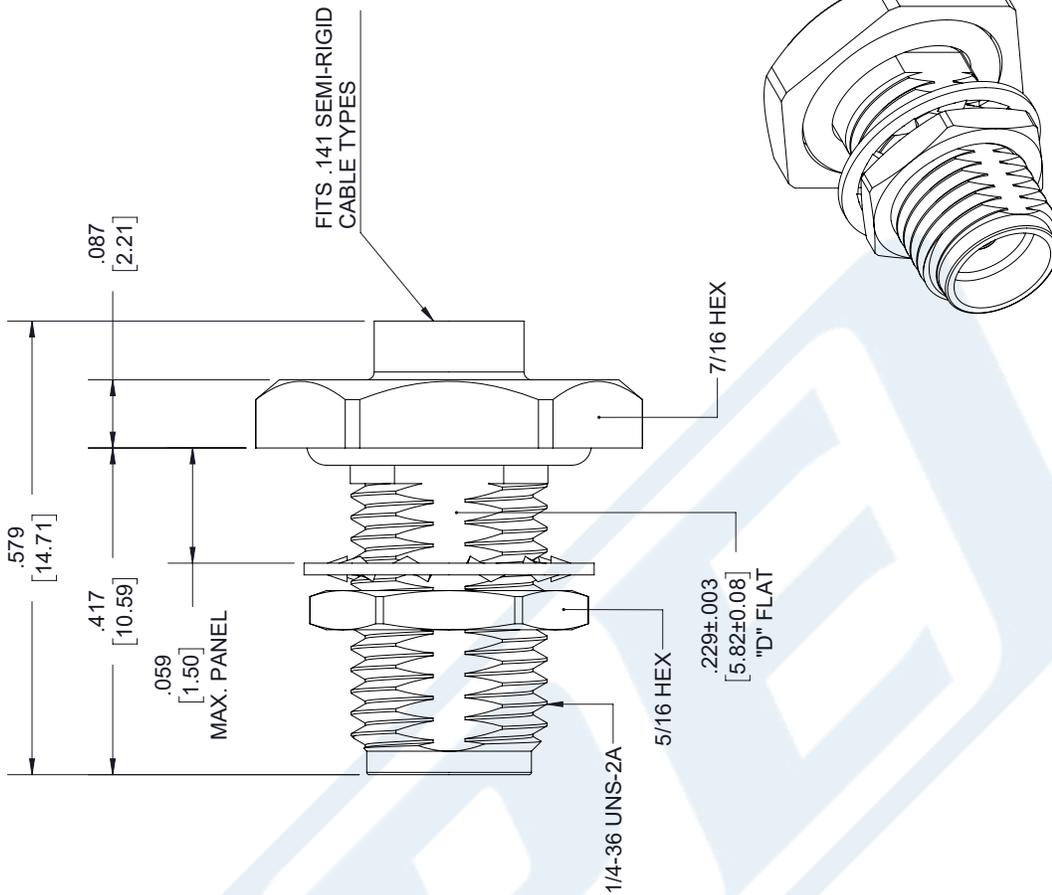
URL: <https://www.pasternack.com/sma-female-standard-pe-sr402al-pe-sr402fl-pe-sr402flj-connector-pe44697-p.aspx>

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. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

PE44697 CAD Drawing

SMA Female Bulkhead Mount Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402

REV.	DESCRIPTION	DATE	APPROVED
A	PCR PE44690	12/31/2019	S. ELLIS



STRIPPING DIMENSIONS

- NOTES:
- CABLE ATTACHMENT:
 - OUTER: SOLDER.
 - INNER: SOLDER.

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.

PE PASTERNAK
 an INFINIT brand

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THIRD-ANGLE PROJECTION

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SHEET 1 OF 1

SCALE N/A

REV A

ITEM NO. PE44697

DRAWN BY K. DANG

CAGE CODE A 53919

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SMA Male Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402

RF Connectors Technical Data Sheet

PE44691

Configuration

- SMA Male Connector
- 50 Ohms
- Straight Body Geometry
- PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402 Interface Type
- Solder Attachment
- 5/16 inch Hex

Features

- Max. Operating Frequency 18 GHz

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE44691 SMA male connector with solder attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN and RG402 is part of our full line of RF components available for same-day shipping. Our SMA male connector operates up to a maximum frequency of 18 GHz.

Our SMA male connector PE44691 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		18	GHz

Mechanical Specifications

Size	
Length	0.441 in [11.2 mm]
Width/Dia.	0.315 in [8.00 mm]
Weight	0.005 lbs [2.27 g]
Mating Torque	8 to 10 in-lbs [0.90 to 1.13 Nm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402 PE44691](#)



SMA Male Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402

RF Connectors Technical Data Sheet

PE44691

Material Specifications

Description	Material	Plating
Body	Brass	Gold over Nickel
Coupling Nut	Passivated Stainless Steel	

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

Plotted and Other Data

Notes:

SMA Male Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, 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: [SMA Male Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402 PE44691](#)

URL: <https://www.pasternack.com/sma-male-standard-pe-sr402al-pe-sr402fl-pe-sr402flj-connector-pe44691-p.aspx>

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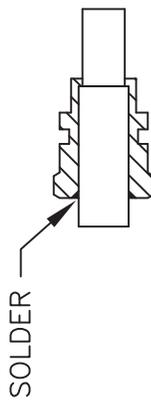
PE44691 CAD Drawing

SMA Male Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402

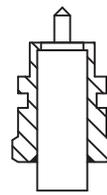
ASSEMBLY PROCEDURES



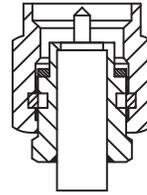
1. STRIP CABLE AS SHOWN.



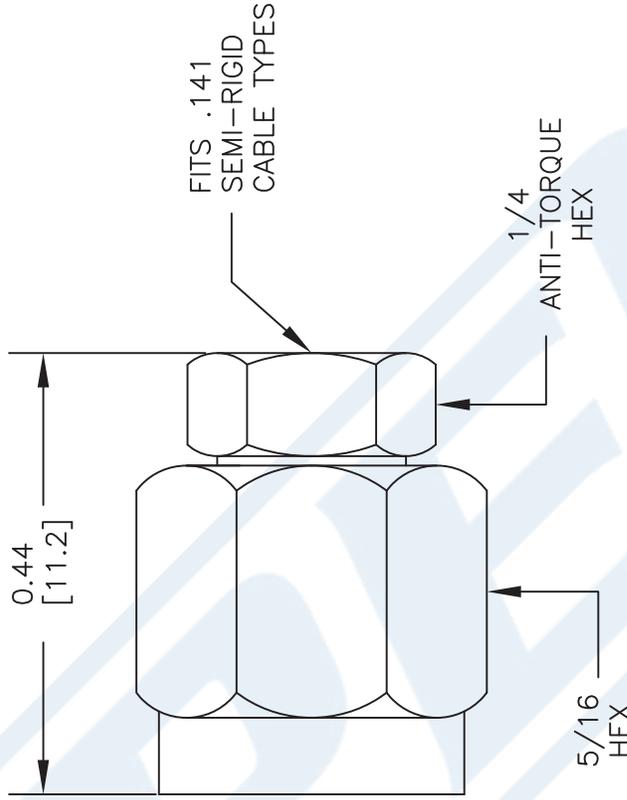
2. SOLDER CONNECTOR BODY.



3. TRIM DIELECTRIC, DO NOT NICK CENTER CONDUCTOR AND POINT THE CENTER CONTACT OF CABLE.



4. INSTALL THE COUPLING NUT.



DWG TITLE

PE44691

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.

REV. A

FSCM NO. 53919

CAD FILE 050412

SCALE N/A

SIZE A

2233

PE PASTERNAK®
THE ENGINEER'S RF SOURCE

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0.141 Semi Rigid Non-Magnetic Cable with Silver Plated Copper Conductor

RF Cables Technical Data Sheet

PE-SR141-NM

Configuration

- Non-Magnetic Semi-Rigid Cable
- 1 Shield(s)

Features

- Max Frequency 34 GHz
- Magnetic Susceptibility 10^{-5}

Applications

- General Purpose Test
- Medical
- Quantum Computing
- Custom Cable Assemblies
- Military and Aerospace

Description

Pasternack's 0.141 semi-rigid non-magnetic cable uses series coaxial is available for same-day shipping from our facility. PE-SR141-NM cables from Pasternack are great choices for solutions requiring high quality and rapid shipping. Our non-magnetic RF cable has a 50 Ohm impedance and is rated for a 34 GHz maximum operating frequency. This high-quality cable is part of a large selection of in-stock, commercial-off-the-shelf, and custom-built coaxial cable assemblies for RF and microwave that all ship the same business day as they are ordered.

These semi-rigid RF cable assemblies are built with RF shielding of 165 dB and have a cable weight of 0.0183 lbs/ft. Our RF coaxial cable has a 0.036-inch SPC (silver-plated copper) conductor and a bending moment of 0.250 lbs-ft. The coaxial RF cable has a maximum attenuation of 82.8 dB/100ft and a maximum power of 70 Watts at a frequency of 26.5 GHz.

The technical performance specifications of this 34 GHz cable are located on the PE-SR141-NM datasheet PDF, along with a CAD drawing and dimensions. Our non-magnetic RF cable has a PTFE dielectric type. This RF non-magnetic cable has a copper outer conductor and a maximum operating temperature of 125 deg C. The Pasternack 0.141 semi-rigid RF cable assembly data sheet with specs and drawing dimensions can be found on this product page just above.

0.141 semi-rigid non-magnetic cable is one of a large selection of in-stock RF products available. Pasternack not only has this off-the-shelf but also custom versions of our cable assemblies are available for same-day shipping, we have thousands of other products that have same day shipping. Our expert technical support and knowledgeable sales teams are ready to help and answer your RF coaxial cable assembly questions.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		34	GHz
Impedance		50		Ohms
Velocity of Propagation		69.5		%
Shielding Effectiveness	165			dB
Operating Voltage (AC)			5,000	Vrms

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [0.141 Semi Rigid Non-magnetic Cable with Silver Plated Copper Conductor PE-SR141-NM](#)



0.141 Semi Rigid Non-Magnetic Cable with Silver Plated Copper Conductor

RF Cables Technical Data Sheet

PE-SR141-NM

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	0.5	1	5	10	18	GHz
Attenuation, Typ	7.6	11.1	28.1	43.4	63.6	dB/100ft
	24.93	36.42	92.19	142.39	208.66	dB/100m
Input Power (CW), Max	600	450	180	120	73	Watts

Description	F6	F7	F8	F9	F10	Units
Frequency	26.5					GHz
Attenuation, Typ	82.8					dB/100ft
	271.65					dB/100m
Input Power (CW), Max	70					Watts

Mechanical Specifications

Min. Bend Radius (Repeated) 0.25 in [6.35 mm]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Silver Plated Copper, 1 Strand	0.036 in [0.91 mm]
Conductor Type	Solid	
Dielectric	PTFE	0.118 in [3 mm]
	PTFE	
Outer Conductor	Copper 100% coverage	0 in [0 mm]
Jacket	Copper	[]

Environmental Specifications

Temperature

Operating Range -55 to +125 deg C
Storage Range -55 to +125 deg C

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [0.141 Semi Rigid Non-magnetic Cable with Silver Plated Copper Conductor PE-SR141-NM](#)



0.141 Semi Rigid Non-Magnetic Cable with Silver Plated Copper Conductor

RF Cables Technical Data Sheet

PE-SR141-NM

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

Plotted and Other Data

Notes:

0.141 Semi Rigid Non-Magnetic Cable with Silver Plated Copper 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.

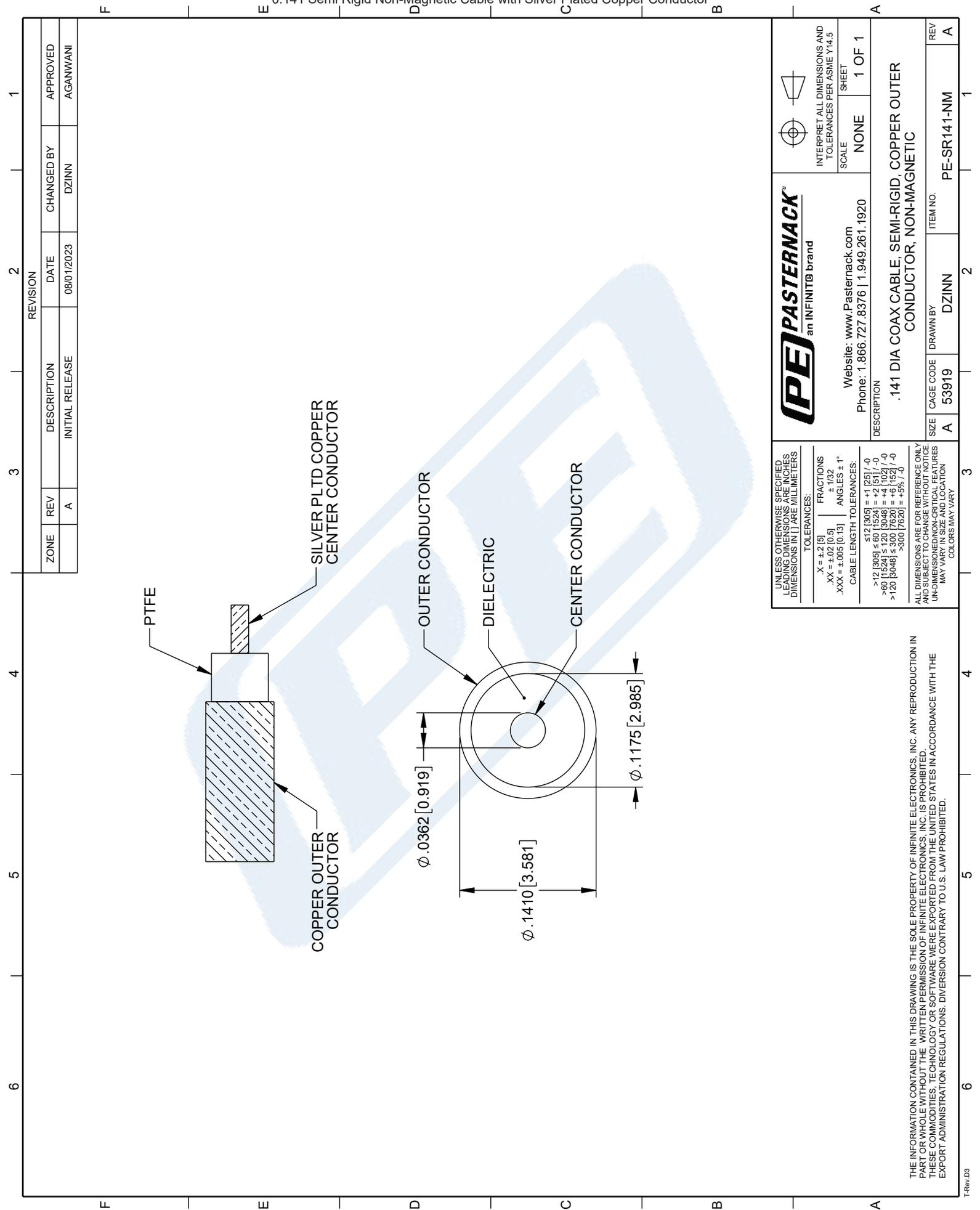
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [0.141 Semi Rigid Non-magnetic Cable with Silver Plated Copper Conductor PE-SR141-NM](#)

URL: <https://www.pasternack.com/non-magnetic-semirigid-pe-sr141-nm-coax-cable-copper-pe-sr141-nm-p.aspx>

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PE-SR141-NM CAD Drawing

0.141 Semi Rigid Non-Magnetic Cable with Silver Plated Copper Conductor



ZONE		REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
		A	INITIAL RELEASE	08/01/2023	DZINN	AGANWANI

REVISION	
1	
2	
3	
4	
5	
6	

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

TOLERANCES:

.X = ±2 [5]	FRACTIONS ± 1/32
.XX = ±02 [0.5]	ANGLES ± 1°
.XXX = ±.005 [0.13]	

CABLE LENGTH TOLERANCES:

≤12 [305]	±.1 [25]
>12 [305] ≤ 60 [1524]	±.2 [51]
>60 [1524] ≤ 120 [3048]	±.4 [102]
>120 [3048]	±.8 [20]

ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE UNDIMENSIONED NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION COLORS MAY VARY

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Website: www.Pasternack.com
Phone: 1.866.727.8376 | 1.949.261.1920

DESCRIPTION
.141 DIA COAX CABLE, SEMI-RIGID, COPPER OUTER CONDUCTOR, NON-MAGNETIC

SCALE: NONE
SHEET: 1 OF 1

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SIZE	CABLE CODE	DRAWN BY	ITEM NO.
A	53919	DZINN	PE-SR141-NM

REV A

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