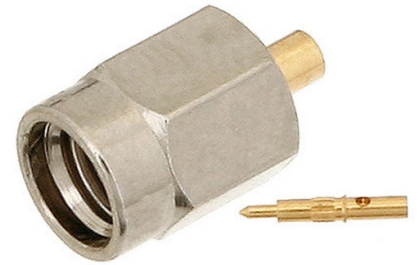


SSMA Male Connector Solder Attachment for PE-047SR, PE-SR047AL, PE-SR047FL

PE44441



Configuration

- SSMA Male Connector
- MIL-STD-348
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: PE-047SR, PE-SR047AL, PE-SR047FL
- 1/4 inch Hex

Features

- Gold Plated Contact
- Contact plating according to MIL-G-45204

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE44441, SSMA, Standard, Connector is part of our full line of RF components available for same-day shipping.

Our SSMA male connector PE44441 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
Impedance		50		Ohms

Mechanical Specifications

Size

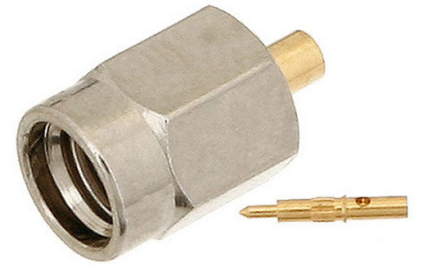
Length	0.445 in [11.3 mm]
Width	0.25 in [6.35 mm]
Weight	0.005 lbs [2.27 g]
Mating Torque	3 to 5 in-lbs [[0.34 to 0.57 Nm]]

Material Specifications

Description	Material	Plating
Contact		Gold MIL-G-45204
Insulation	PTFE	
Body	Brass	Gold MIL-G-45204
Coupling Nut	Brass	Nickel QQ-N-290

SSMA Male Connector Solder Attachment for PE-047SR, PE-SR047AL, PE-SR047FL

PE44441



Environmental Specifications

Temperature

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

Plotted and Other Data

Notes:

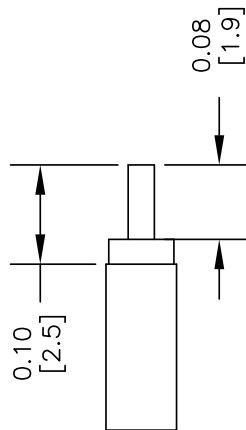
SSMA Male Connector Solder Attachment for PE-047SR, PE-SR047AL, PE-SR047FL from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SSMA Male Connector Solder Attachment for PE-047SR, PE-SR047AL, PE-SR047FL PE44441](#)

URL: <https://www.pasternack.com/ssma-male-standard-pe-047sr-pe-sr047al-pe-sr047fl-connector-pe44441-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.

SSMA Male Connector Solder Attachment for PE-047SR, PE-SR047AL, PE-SR047FL



STRIPPING DIMENSIONS

ASSEMBLY PROCEDURES

1. STRIP CABLE TO DIMENSION SHOWN, DO NOT NICK CENTER CONDUCTOR & DIELECTRIC.
2. SOLDER CONTACT TO CENTER CONDUCTOR, INSERT CABLE INTO BODY UNTIL CONTACT SETS IN PLACE. SOLDER OUTER CONDUCTOR TO BODY.

DWG TITLE

PE44441

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

030704

SIZE A

2233



SSMA Female Bulkhead Mount Connector Solder Attachment for PE-047SR, PE-SR047AL, PE-SR047FL, .177 inch D Hole

RF Connectors Technical Data Sheet

PE44429

Configuration

- SSMA Female Connector
- MIL-STD-348
- 50 Ohms
- Straight Body Geometry
- PE-047SR, PE-SR047AL, PE-SR047FL Interface Type
- Solder/Solder Attachment
- Bulkhead

Features

- Gold Plated Contact
- Contact plating according to MIL-G-45204

Applications

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

Description

Pasternack's PE44429 SSMA female bulkhead connector with solder/solder attachment for PE-047SR, PE-SR047AL and PE-SR047FL (.177 inch D hole) is part of our full line of RF components available for same-day shipping. This SSMA 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 SSMA female bulkhead connector PE44429 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.

Mechanical Specifications

Size

Length	0.685 in [17.4 mm]
Width/Dia.	0.375 in [9.53 mm]
Weight	0.007 lbs [3.18 g]

Material Specifications

Description	Material	Plating
Contact		Gold MIL-G-45204
Body	Brass	Gold MIL-G-45204

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SSMA Female Bulkhead Mount Connector Solder Attachment for PE-047SR, PE-SR047AL, PE-SR047FL, .177 inch D Hole PE44429](#)



SSMA Female Bulkhead Mount Connector Solder Attachment for PE-047SR, PE-SR047AL, PE-SR047FL, .177 inch D Hole

RF Connectors Technical Data Sheet

PE44429

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

Plotted and Other Data

Notes:

SSMA Female Bulkhead Mount Connector Solder Attachment for PE-047SR, PE-SR047AL, PE-SR047FL, .177 inch D Hole 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.

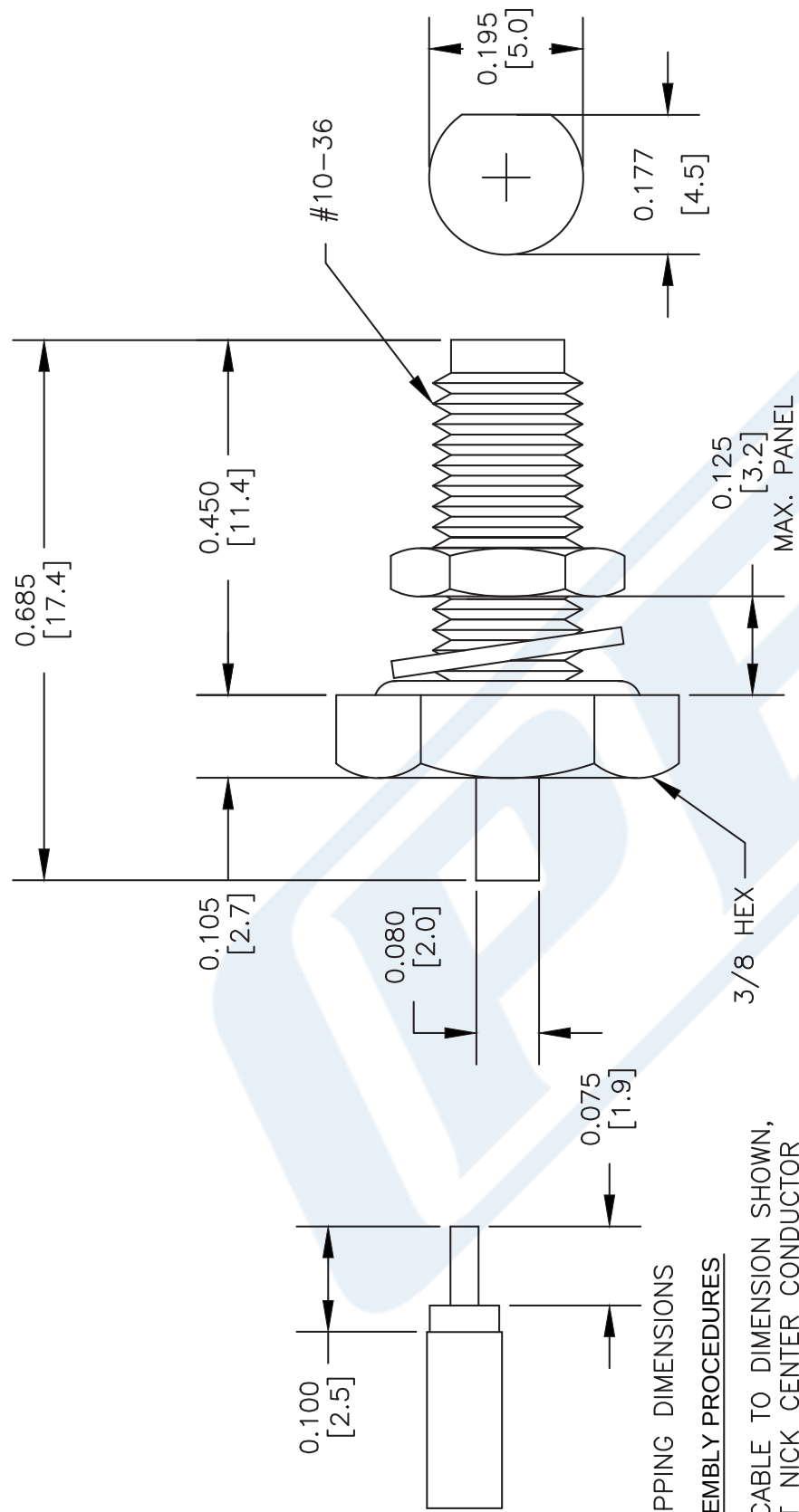
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SSMA Female Bulkhead Mount Connector Solder Attachment for PE-047SR, PE-SR047AL, PE-SR047FL, .177 inch D Hole PE44429](#)

URL: <https://www.pasternack.com/ssma-female-standard-pe-047sr-pe-sr047al-pe-sr047fl-connector-pe44429-p.aspx>

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PE44429 CAD Drawing

SSMA Female Bulkhead Mount Connector Solder Attachment for PE-047SR, PE-SR047AL, PE-SR047FL, .177 inch D Hole



STRIPPING DIMENSIONS
ASSEMBLY PROCEDURES

1. STRIP CABLE TO DIMENSION SHOWN, DO NOT NICK CENTER CONDUCTOR & DIELECTRIC.
2. SOLDER CONTACT TO CENTER CONDUCTOR, INSERT CABLE INTO BODY UNTIL CONTACT SETS IN PLACE. SOLDER OUTER CONDUCTOR TO BODY.

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.

DWG TITLE
PE44429

FSCM NO. 53919



PASTERNAK®
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Formable 047 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor

RF Cables Technical Data Sheet

PE-SR047FL

Configuration

- Formable Cable
- 1 Shield(s)

Features

- Dimensionally and electrically the same as standard, solid outer conductor semi-rigid coax
- May be formed by hand and does not require special tools to bend
- May be formed more than once without damaging the outer conductor
- Tinned Copper Braid Outer Conductor
- Max Frequency 20 GHz

Applications

- Test and Measurement
- Communication Systems
- Wireless Systems
- Medical Equipment
- RADAR
- Low Loss Applications

Description

Formable semi-rigid coaxial cable is a hand formable version of standard semi-rigid that does not require complicated and costly preformed cable assemblies. Because the dimensions and electrical characteristics are so closely matched to semi-rigid coax, standard semi-rigid connectors can be used. Pasternack's PE-SR047FL is a formable .047 semi-rigid coax cable with tinned copper braid outer conductor, providing low loss and excellent RF shielding effectiveness. This semi-flexible cable has an FEP jacket to reduce the chance of shorting exposed contacts or circuit conductors. Pasternack's formable cable can be used as an alternative to semi-rigid coaxial cable in applications where flexibility is required without giving up high electrical performance level. PE-SR047FL datasheet specifications and outline drawing for this .047 semi-flexible hand formable cable are shown in the PDF below.

Pasternack carries a wide range of cables ready to ship same day to fit your needs. They are available in corrugated, flexible, formable or semi-rigid versions with different constructions of conductor materials, dielectric materials, shielding configurations and jacket materials. Our cables are designed to fit a wide range of performance criteria including attenuation, operating temperature, environmental factor, and power capability.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		20	GHz
Impedance		50		Ohms
Velocity of Propagation		69.5		%
Inner Conductor DC Resistance			207	Ohms/1000ft
Outer Conductor DC Resistance			8	Ohms/1000ft
Nominal Capacitance		32 [104.99]		pF/ft [pF/m]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Formable 047 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor PE-SR047FL](#)

Formable 047 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor

RF Cables Technical Data Sheet

PE-SR047FL

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	0.5	1	3	5	10	GHz
Attenuation, Typ	25	36	65	86	128	dB/100ft
	82.02	118.11	213.25	282.15	419.95	dB/100m

Description	F6	F7	F8	F9	F10	Units
Frequency	15	20				GHz
Attenuation, Typ	162	192				dB/100ft
	531.5	629.92				dB/100m

Mechanical Specifications

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper Clad Steel, Silver1	0.011 in 0.28 mm
Conductor Type	Solid	
Dielectric	PTFE	0.034 in 0.86 mm
Outer Conductor	Tinned Copper Braid	0.047 in 1.19 mm

Environmental Specifications

Temperature

Operating Range -40 to +100 deg C

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Formable 047 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor PE-SR047FL](#)

Formable 047 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor

RF Cables Technical Data Sheet

PE-SR047FL

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

Plotted and Other Data

Notes:

Formable 047 Semi-rigid Coax Cable with Tinned Copper Braid 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.

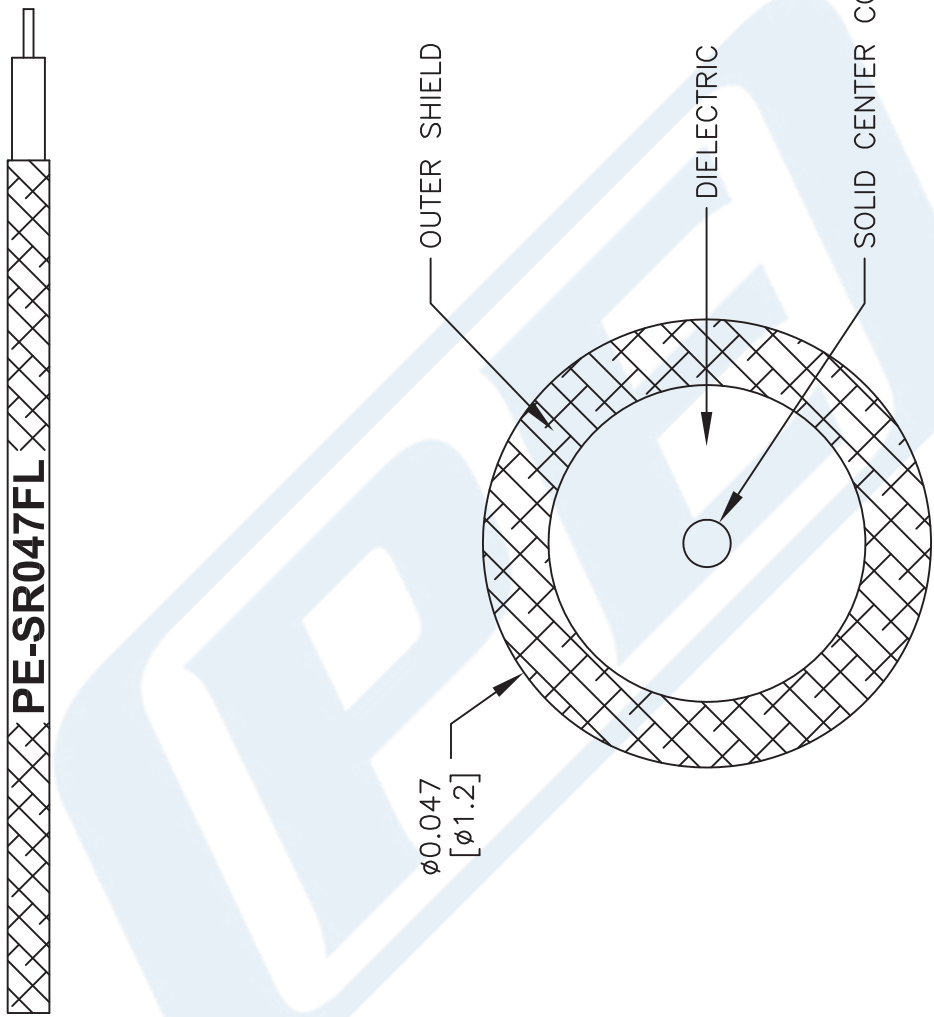
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Formable 047 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor PE-SR047FL](#)

URL: <https://www.pasternack.com/formable-0.047-semirigid-replacement-50-ohm-coax-cable-tinned-braid-pe-sr047fl-p.aspx>

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PE-SR047FL CAD Drawing

Formable 047 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor



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

DWG TITLE

PE-SR047FL

FSCM NO. 53919

CAD FILE 111716

SCALE N/A

SIZE A

41742

PE PASTERNAK
THE ENGINEER'S RF SOURCE

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