



## SMA Male Connector Solder Attachment for PE-020SR

## RF Connectors Technical Data Sheet

PE4918

**Configuration**

- SMA Male Connector
- MIL-STD-348
- 50 Ohms
- Straight Body Geometry
- PE-020SR Interface Type
- Solder/Solder Attachment
- 5/16 inch Hex

**Features**

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

**Applications**

- General Purpose Test
- Custom Cable Assemblies

**Description**

Pasternack's PE4918 SMA male connector solder attachment for PE-020SR is part of our full line of RF components available for same-day shipping.

Our SMA male connector PE4918 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 connector assemblies for you and ship same-day.

**Mechanical Specifications****Size**

Length	0.488 in [12.4 mm]
Width/Dia.	0.312 in [7.92 mm]
Weight	0.006 lbs [2.72 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

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-020SR PE4918](#)



## SMA Male Connector Solder Attachment for PE-020SR

### RF Connectors Technical Data Sheet

PE4918

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

#### Plotted and Other Data

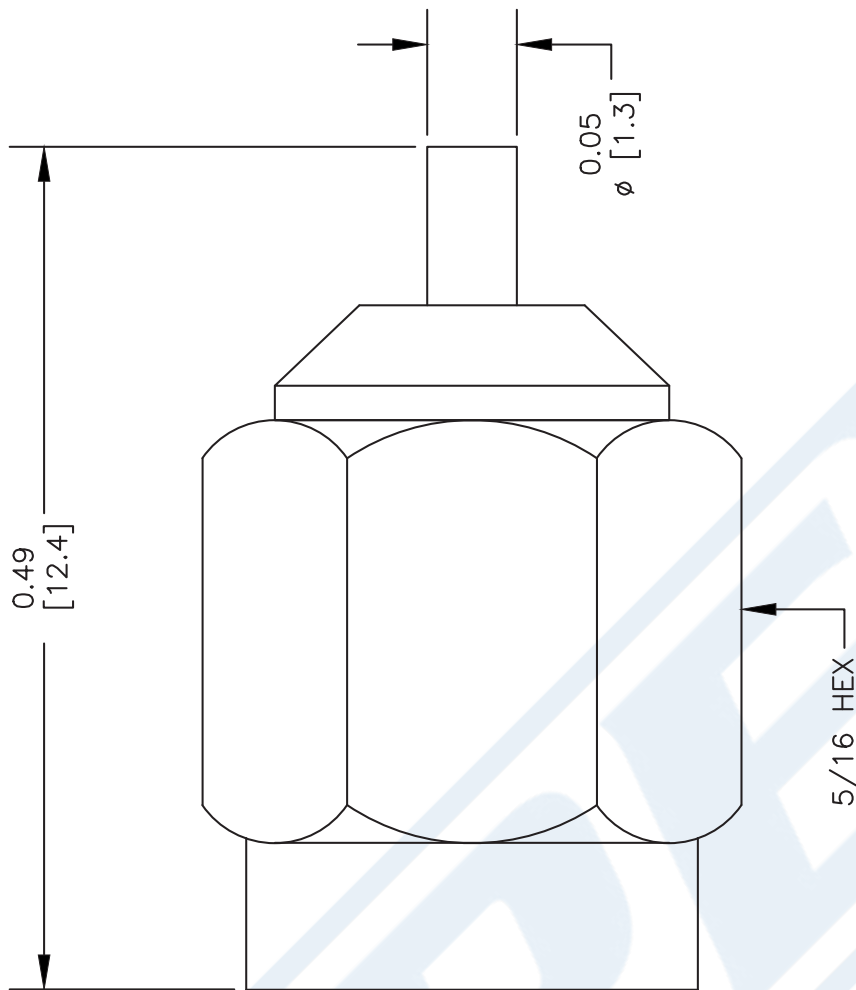
Notes:

SMA Male Connector Solder Attachment for PE-020SR 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: [SMA Male Connector Solder Attachment for PE-020SR PE4918](#)

URL: <https://www.pasternack.com/sma-male-standard-pe-020sr-connector-pe4918-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.



STRIPPING DIMENSIONS

ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN. DO NOT NICK CENTER CONDUCTOR. SLIDE CABLE THROUGH BODY.
2. INSERT CENTER CONDUCTOR INTO CONTACT UNTIL DIELECTRIC BOTTOMS INSIDE CONTACT. SOFT SOLDER CONTACT TO CENTER CONDUCTOR. DO NOT OVER HEAT DIELECTRIC.
3. USING ASSEMBLY TOOL, PRESS CONTACT FULLY INTO INSULATOR. 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  
**PE4918**

FSCM NO. 53919

CAD FILE 061302

SCALE N/A

SIZE A

127

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## SMA Male Right Angle Connector Solder Attachment for PE-020SR

### RF Connectors Technical Data Sheet

PE4920

#### Configuration

- SMA Male Connector
- MIL-STD-348
- 50 Ohms
- Right Angle Body Geometry
- PE-020SR Interface Type
- Solder/Solder Attachment
- 5/16 inch Hex

#### Features

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

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

Pasternack's PE4920 SMA male right angle connector with solder/solder attachment for PE-020SR is part of our full line of RF components available for same-day shipping. Its right angle body geometry allows for easier connections in tight spaces.

Our SMA male right angle connector PE4920 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

<b>Size</b>	
Length	0.615 in [15.62 mm]
Width/Dia.	0.438 in [11.13 mm]
Weight	0.013 lbs [5.9 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

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male Right Angle Connector Solder Attachment for PE-020SR PE4920](#)



## SMA Male Right Angle Connector Solder Attachment for PE-020SR

### RF Connectors Technical Data Sheet

PE4920

#### 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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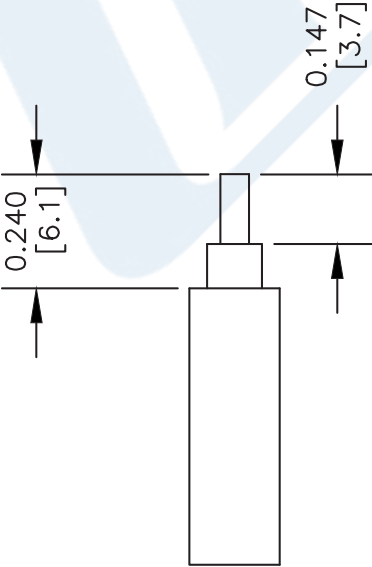
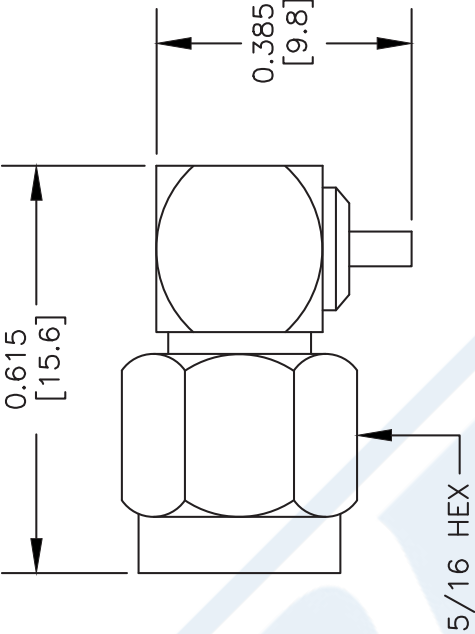
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URL: <https://www.pasternack.com/sma-male-standard-pe-020sr-connector-pe4920-p.aspx>

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PE4920 CAD Drawing

SMA Male Right Angle Connector Solder Attachment for PE-020SR



STRIPPING DIMENSIONS  
ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN. DO NOT NICK CENTER CONDUCTOR.
2. INSERT CABLE INTO BODY UNTIL DIELECTRIC BOTTOMS OUT WITH BODY SHOULDER. CENTER CONDUCTOR WILL PROTRUDE INTO CONTACT SLOT.
3. SOLDER CENTER CONDUCTOR IN PLACE. SOLDER OUTER CONDUCTOR TO BODY. PRESS DOWN CAP.

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  
**PE4920**

FSCM NO. 53919

CAD FILE 061302

SCALE N/A

SIZE A

XXX

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## 020 Semi-rigid Coax Cable with Copper

### TECHNICAL DATA SHEET

PE-020SR

#### 020 Semi-rigid Coax Cable with Copper

##### Configuration

Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Shield Materials	Copper
Jacket Material and Color	Tan

##### Electrical Specifications

Impedance, Ohms	50
Maximum Operating Frequency, GHz	27
Maximum Operating Voltage, Volts	750

##### Electrical Specifications by Frequency

###### Frequency 1

Frequency, MHz	1000
Attenuation, dB/100ft [dB/100m]	85 [278.87]
Power Handling, Watts	2.9

###### Frequency 2

Frequency, GHz	10
Attenuation, dB/100ft [dB/100m]	280 [918.64]
Power Handling, Watts	0.9

###### Frequency 3

Frequency, GHz	20
Attenuation, dB/100ft [dB/100m]	380 [1,246.72]
Power Handling, Watts	0.6

##### Mechanical Specifications

###### Temperature

Operating Range, deg C	-55 to +85
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###### Inner Conductor

Number of Strands	1
Material	Copper Clad Steel
Plating	Silver
Diameter, in [mm]	0.004 [0.1]

###### Dielectric:

Type	PTFE
Diameter, in [mm]	0.015 [0.38]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [020 Semi-rigid Coax Cable with Copper PE-020SR](#)

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## 020 Semi-rigid Coax Cable with Copper

## TECHNICAL DATA SHEET

PE-020SR

**Shield:**

Number of	1
Material 1	Copper
Diameter, in [mm]	0.02 [0.51]

**Jacket:**

Color	Tan
Weight, lbs/ft [Kg/m]	0.04 [0.06]

**Compliance Certifications** (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)  
RoHS Compliant Yes

**Plotted and Other Data**

Notes: Values at 25 °C, sea level

020 Semi-rigid Coax Cable with Copper 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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [020 Semi-rigid Coax Cable with Copper PE-020SR](#)

URL: <http://www.pasternack.com/semirigid-0.020-50-ohm-coax-cable-copper-pe-020sr-p.aspx>

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PASTERNAK ENTERPRISES PE-020SR

IMPEDANCE: 50 OHMS  
INNER CONDUCTOR DIAMETER: .0044"  
INNER CONDUCTOR MATERIAL: SILVER COVERED COPPER CLAD STEEL  
DIELECTRIC DIAMETER: .015"  
DIELECTRIC MATERIAL: SOLID POLYTETRAFLUOROETHYLENE  
OUTER DIAMETER: .020"  
OUTER SHIELD: BARE COPPER  
NOMINAL CAPACITANCE (p/ft): 29.0  
OPERATING TEMPERATURE: -55° TO +85° C  
MAX OPERATING VOLTAGE (VOLTS RMS): 750

NOMINAL ATTENUATION ( PER 100 FEET )

100 MHz	30.00 dB
1 GHz	85.00 dB
5 GHz	175.00 dB
10 GHz	280.00 dB

MAXIMUM POWER HANDLING ( AVERAGE POWER IN WATTS )

500 MHz	3.5
1 GHz	2.9
5 GHz	1.1
10 GHz	0.9



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COAXIAL & FIBER OPTICS

DWG TITLE

**PE-020SR**

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2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.  
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REV. B

FSCM NO. 53919

CAD FILE 080712

SCALE N/A

SIZE A

2233