PASTERNACK®
THE ENGINEER'S RF SOURCE



SMA Female Bulkhead Mount Connector Crimp/Solder Attachment for RG178, RG196, .235 inch D Hole

Configuration

- SMA Female Connector
- MIL-STD-348
- 50 Ohms
- Straight Body Geometry
- RG178, RG196 Interface Type
- Crimp/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 PE4422 SMA female bulkhead connector with crimp/solder attachment for RG178 and RG196 (.235 inch D hole) is part of our full line of RF components available for same-day shipping. 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 PE4422 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	1.25 in [31.75 mm]
Width/Dia.	0.312 in [7.92 mm]
Weight	0.013 lbs [5.9 g]

Material Specifications

Description	Material	Plating
Contact		Gold MIL-G-45204
Insulation	PTFE	
Body	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 Female Bulkhead Mount Connector Crimp/Solder Attachment for RG178, RG196, .235 inch D Hole PE4422

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SMA Female Bulkhead Mount Connector Crimp/Solder Attachment for RG178, RG196, .235 inch D Hole

RF Connectors Technical Data Sheet PE4422

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

SMA Female Bulkhead Mount Connector Crimp/Solder Attachment for RG178, RG196, .235 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: SMA Female Bulkhead Mount Connector Crimp/Solder Attachment for RG178, RG196, .235 inch D Hole PE4422

URL: https://www.pasternack.com/sma-female-standard-rg178-rg196-connector-pe4422-p.aspx

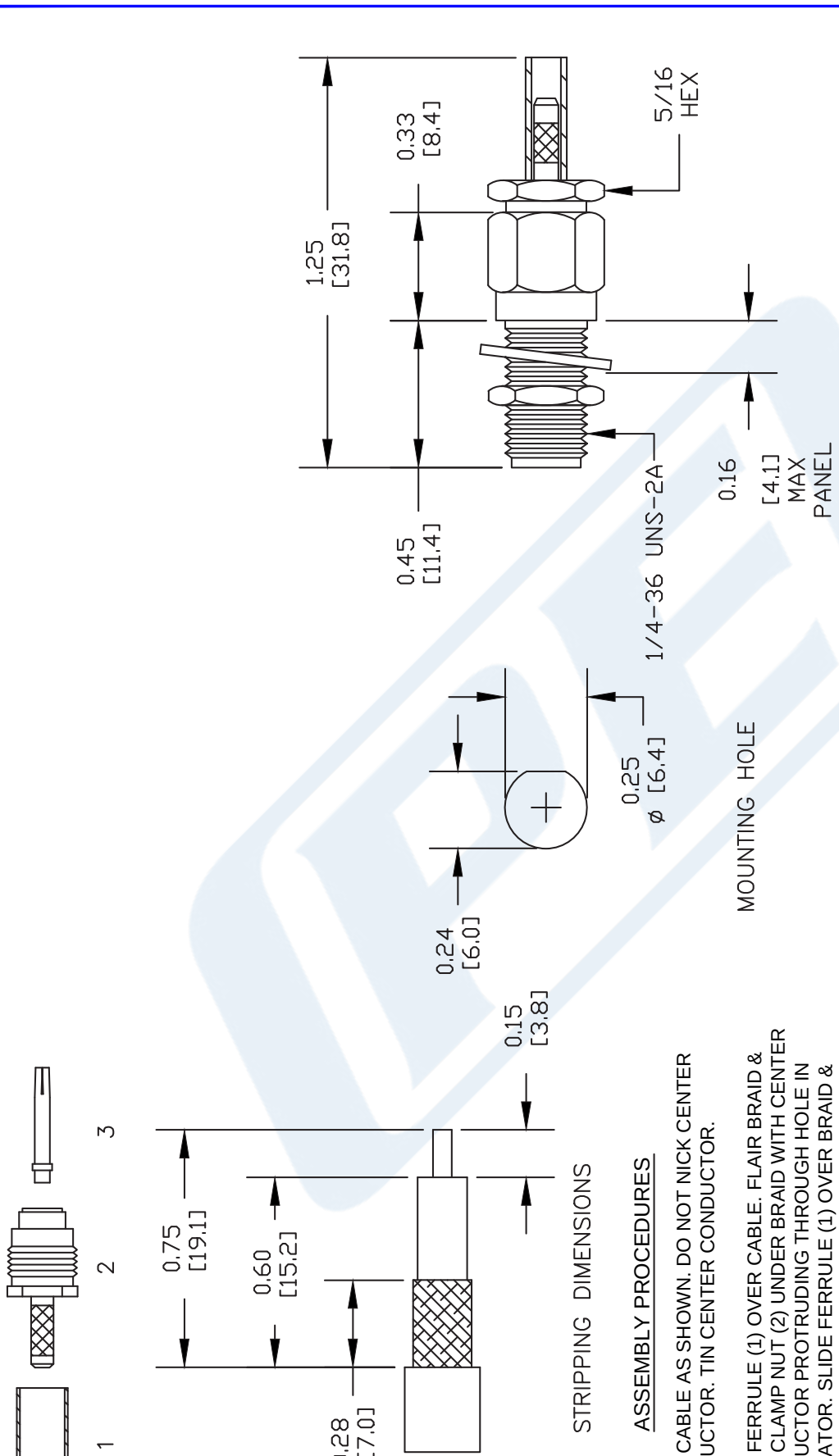
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PE4422 CAD Drawing

SMA Female Bulkhead Mount Connector Crimp/Solder Attachment for RG178, RG196, .235 inch D Hole



STRIPPING DIMENSIONS

ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN. DO NOT NICK CENTER CONDUCTOR. TIN CENTER CONDUCTOR.
2. SLIDE FERRULE (1) OVER CABLE. FLAIR BRAID & SLIDE CLAMP NUT (2) UNDER BRAID WITH CENTER CONDUCTOR PROTRUDING THROUGH HOLE IN INSULATOR. SLIDE FERRULE (1) OVER BRAID & AGAINST CLAMP NUT (2). CRIMP FERRULE.
3. SOLDER CONTACT TO CENTER CONDUCTOR. CLEAN, INSERT CABLE ASSEMBLY INTO BODY & TIGHTEN.

CRIMP SIZE REQUIRED

CONTACT: SOLDER
FERRULE: .100" HEX CRIMP TOOL

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	REV. A	FSCM NO. 53919	CAD FILE 082908	SCALE N/A	SIZE A	127
PE4422						

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N Male Connector Crimp/Solder Attachment for RG178, RG196, .480 inch D Hole



RF Connectors Technical Data Sheet PE4647

Configuration

- N Male Connector
- MIL-STD-348
- 50 Ohms
- Straight Body Geometry
- RG178, RG196 Interface Type
- Crimp/Solder Attachment

Features

- Max. Operating Frequency 6 GHz
- Gold Plated Brass Contact
- Contact plating according to ASTM-B488

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4647 type N male connector with crimp/solder attachment for RG178 and RG196 (.480 inch D hole) 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 6 GHz.

Our type N male connector PE4647 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
Operating Voltage (AC)			500	Vrms
Dielectric Withstanding Voltage (AC)			1,000	Vrms

Mechanical Specifications

Size

Length	1.275 in [32.39 mm]
Width/Dia.	0.8 in [20.32 mm]
Weight	0.071 lbs [32.21 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 Crimp/Solder Attachment for RG178, RG196, .480 inch D Hole PE4647

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N Male Connector Crimp/Solder Attachment for RG178, RG196, .480 inch D Hole



RF Connectors Technical Data Sheet PE4647

Material Specifications

Description	Material	Plating
Contact	Brass	Gold ASTM-B488
Insulation	PTFE	
Body	Brass	Nickel ASTM-B689
Coupling Nut	Brass	Nickel ASTM-B689

Environmental Specifications

Temperature

Operating Range -65 to +165 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

N Male Connector Crimp/Solder Attachment for RG178, RG196, .480 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: N Male Connector Crimp/Solder Attachment for RG178, RG196, .480 inch D Hole PE4647

URL: https://www.pasternack.com/n-male-standard-rg178-rg196-connector-pe4647-p.aspx

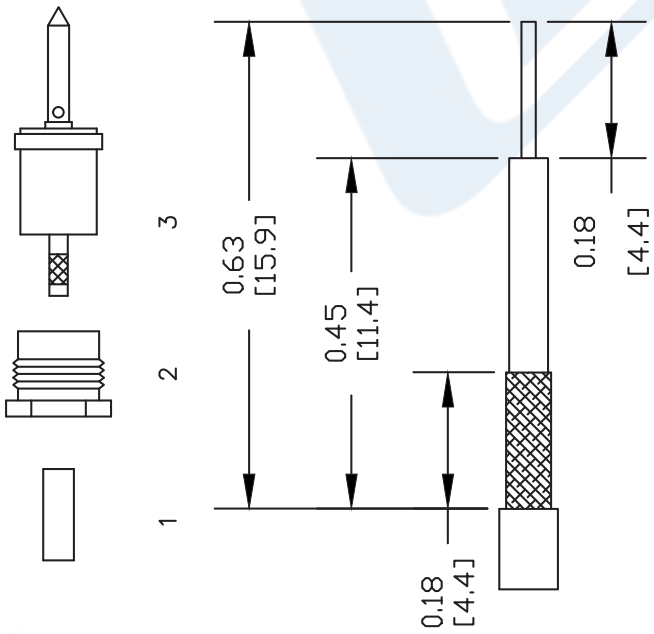
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PE4647 CAD Drawing

N Male Connector Crimp/Solder Attachment for RG178, RG196, .480 inch D Hole



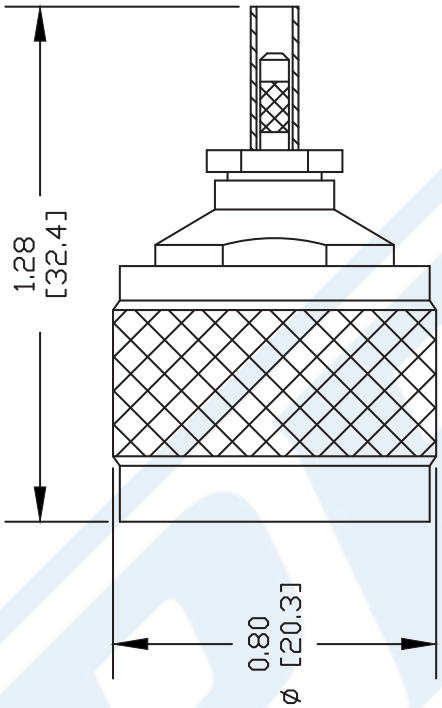
STRIPPING DIMENSIONS

ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN. TIN CENTER CONDUCTOR.
2. SLIDE FERRULE (1) & CLAMP NUT (2) ONTO THE CABLE.
3. SLIDE CENTER PIN ASSEMBLY (3) BETWEEN BRAID & DIELECTRIC. SOLDER CENTER CONDUCTOR THROUGH HOLE IN CONTACT.
4. SLIDE ASSEMBLY INTO BODY AND TIGHTEN. SLIDE FERRULE (1) OVER BRAID & CRIMP.

CRIMP SIZE REQUIRED

FERRULE: .100" HEX CRIMP TOOL



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 **PE4647**

REV. A	FSCM NO. 53919	CAD FILE 072009	SCALE N/A	SIZE A	147

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Flexible RG178 Coax Cable Single Shielded with Tan FEP Jacket

RF Cables Technical Data Sheet RG178B/U

Configuration

- Flexible Cable
- 1 Shield(s)

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
Impedance		50		Ohms
Velocity of Propagation		70		%
Operating Voltage (AC)			1,000	Vrms
Nominal Capacitance		29.4 [96.46]		pF/ft [pF/m]

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	0.1	0.4	1	3		GHz
Attenuation, Typ	13.81	27.8	44.41	78.4		dB/100ft
	45.31	91.21	145.7	257.22		dB/100m

Mechanical Specifications

Diameter	0.072 in [1.83 mm]
Weight	0.005 lbs/ft [0.01 Kg/m]
Min. Bend Radius (Repeated)	0.4 in [10.16 mm]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper Clad Steel, Silver, 7 Strands	0.012 in [0.3 mm]
Conductor Type	Stranded	
Dielectric	PTFE	0.034 in [0.86 mm]
First Shield	Silver Plated Copper Braid	0.051 in [1.3 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Flexible RG178 Coax Cable Single Shielded with Tan FEP Jacket RG178B/U

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Flexible RG178 Coax Cable Single Shielded with Tan FEP Jacket

RF Cables Technical Data Sheet RG178B/U

Jacket	FEP, Tan	0.072 in [1.83 mm]

Environmental Specifications

Temperature

Operating Range	-55 to +200 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

Flexible RG178 Coax Cable Single Shielded with Tan FEP Jacket 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: Flexible RG178 Coax Cable Single Shielded with Tan FEP Jacket RG178B/U

URL: https://www.pasternack.com/flexible-0.075-rg178-50-ohm-coax-cable-fep-jacket-rg178b-u-p.aspx

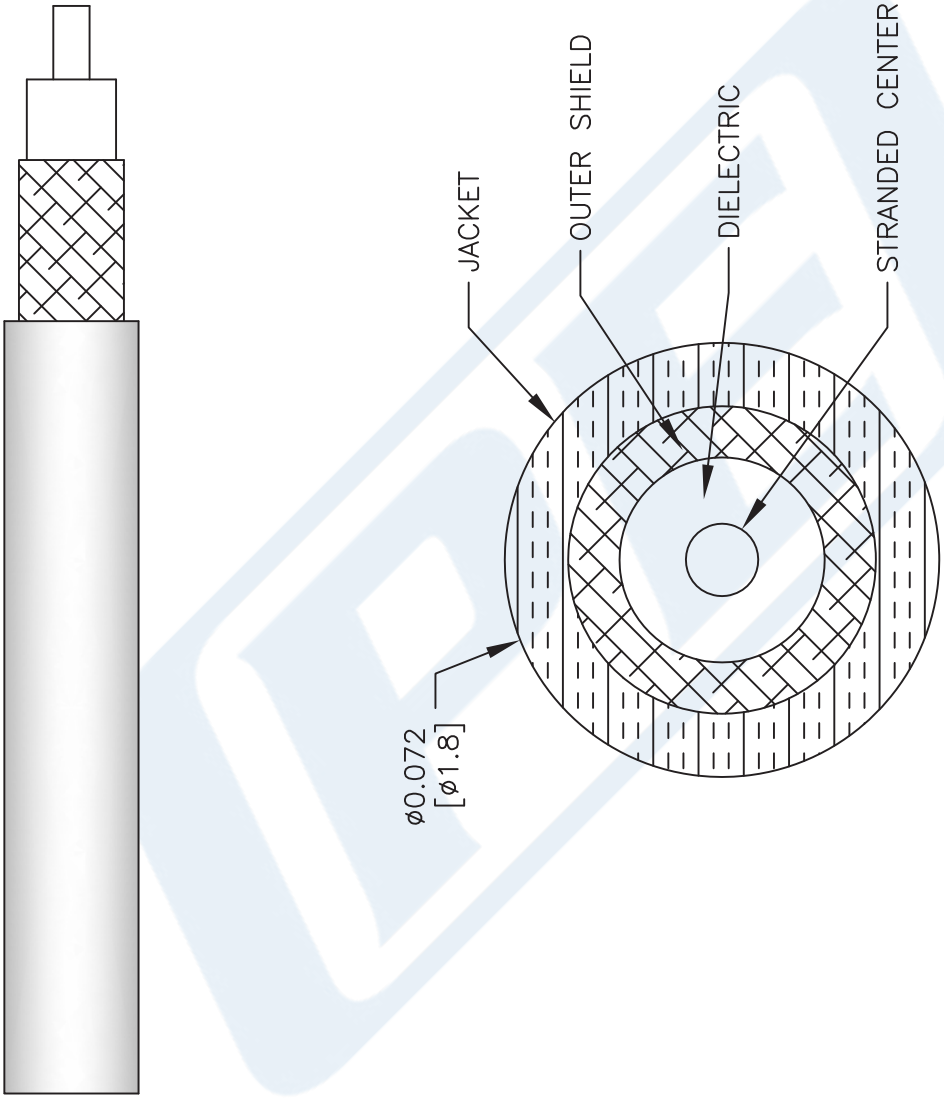
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RG178B/U CAD Drawing

Flexible RG178 Coax Cable Single Shielded with Tan FEP Jacket



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: RG178B/U

CAD FILE 062117 | SCALE N/A | SIZE A | 2233

CAGE CODE 53919

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