



7/16 DIN Male Connector Crimp/Solder Attachment for RG55, RG141, RG142, RG223, RG400

RF Connectors Technical Data Sheet

PE4568

Configuration

- 7/16 DIN Male Connector
- MIL-C-39012
- 50 Ohms
- Straight Body Geometry
- RG55, RG141, RG142, RG223, RG400 Interface Type
- Crimp/Solder Attachment
- 1 1/4 inch Hex

Features

- Silver Plated Contact
- Contact plating according to QQ-S-365

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4568 7/16 DIN male connector with crimp/solder attachment for RG55, RG141, RG142, RG223 and RG400 is part of our full line of RF components available for same-day shipping.

Our 7/16 DIN male connector PE4568 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
Width/Dia.

1.792 in [45.52 mm]
1.25 in [31.75 mm]

Weight

0.21 lbs [95.25 g]

Mating Torque

221 to 265 in-lbs [24.97 to 29.95 Nm]

Material Specifications

Description	Material	Plating
Contact		Silver QQ-S-365
Insulation	PTFE	
Body	Brass	Nickel QQ-N-290
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: [7/16 DIN Male Connector Crimp/Solder Attachment for RG55, RG141, RG142, RG223, RG400 PE4568](#)



7/16 DIN Male Connector Crimp/Solder Attachment for RG55, RG141, RG142, RG223, RG400

RF Connectors Technical Data Sheet

PE4568

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

Plotted and Other Data

Notes:

7/16 DIN Male Connector Crimp/Solder Attachment for RG55, RG141, RG142, RG223, RG400 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.

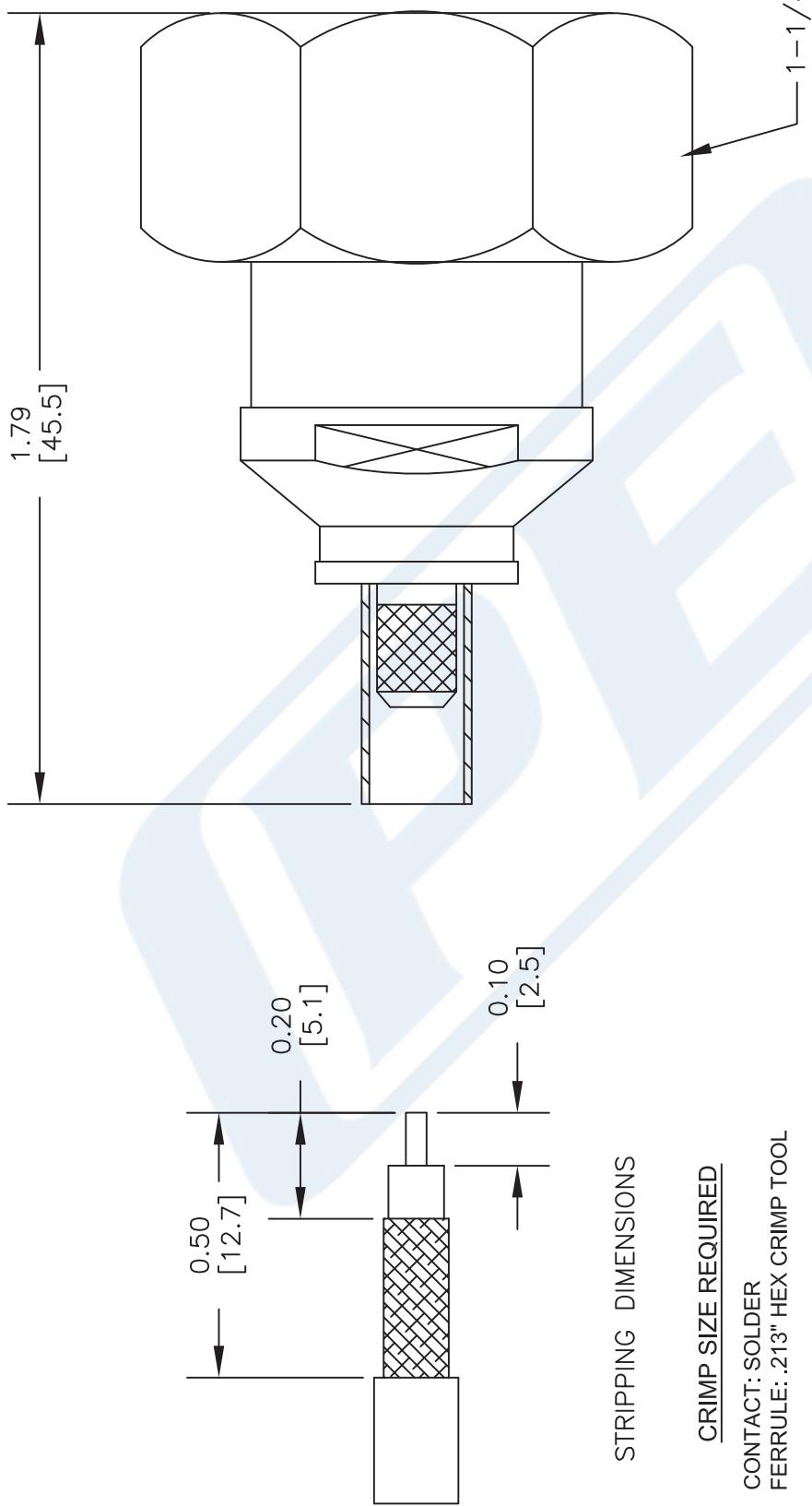
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [7/16 DIN Male Connector Crimp/Solder Attachment for RG55, RG141, RG142, RG223, RG400 PE4568](#)

URL: <https://www.pasternack.com/7-16-male-standard-rg55-rg142-rg223-rg400-connector-pe4568-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.

PE4568 CAD Drawing

7/16 DIN Male Connector Crimp/Solder Attachment for
RG55, RG141, RG142, RG223, RG400



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	PE4568	SCALE N/A	SIZE A	127
FSCM NO.	53919	CAD FILE	052302	

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SC Male Connector Crimp/Solder Attachment for RG55, RG141, RG142, RG223, RG400

RF Connectors Technical Data Sheet

PE4231

Configuration

- SC Male Connector
- MIL-STD-348
- 50 Ohms
- Straight Body Geometry
- RG55, RG141, RG142, RG223, RG400 Interface Type
- Crimp/Solder Attachment

Features

- Silver Plated Contact
- Contact plating according to QQ-S-365

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4231 SC male connector with crimp/solder attachment for RG55, RG141, RG142, RG223 and RG400 is part of our full line of RF components available for same-day shipping.

Our SC male connector PE4231 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

1.48 in [37.59 mm]

Width/Dia.

0.8 in [20.32 mm]

Weight

0.068 lbs [30.84 g]

Material Specifications

Description	Material	Plating
Contact		Silver QQ-S-365
Insulation	PTFE	
Body	Brass	Nickel QQ-N-290
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: [SC Male Connector Crimp/Solder Attachment for RG55, RG141, RG142, RG223, RG400 PE4231](#)



SC Male Connector Crimp/Solder Attachment for RG55, RG141, RG142, RG223, RG400

RF Connectors Technical Data Sheet

PE4231

Environmental Specifications

Temperature

Operating Range

-65 to +165 deg C

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

Plotted and Other Data

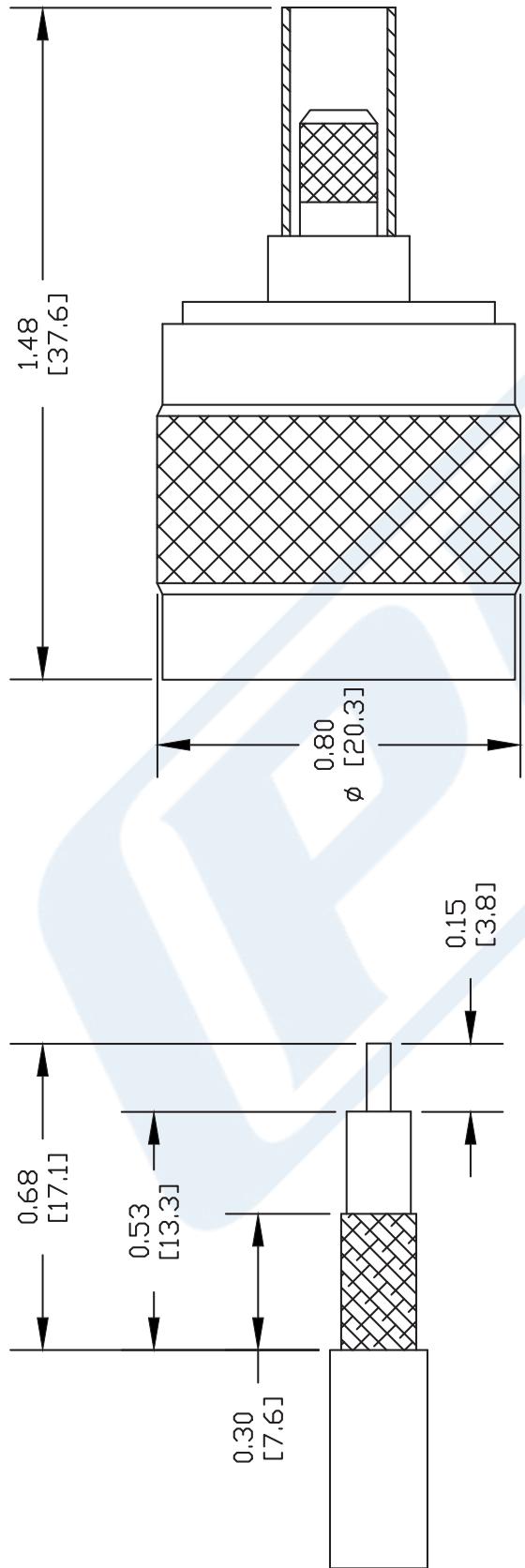
Notes:

SC Male Connector Crimp/Solder Attachment for RG55, RG141, RG142, RG223, RG400 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: [SC Male Connector Crimp/Solder Attachment for RG55, RG141, RG142, RG223, RG400 PE4231](#)

URL: <https://www.pasternack.com/sc-male-standard-rg55-rg141-rg142-rg223-rg400-connector-pe4231-p.aspx>

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 4. FITS MIL-C-17 AND EQUIVALENT CABLES.

DWG TITLE
PE4231

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Flexible RG142 Coax Cable Double Shielded with Tan FEP Jacket

TECHNICAL DATA SHEET

RG142B/U

Flexible RG142 Coax Cable Double Shielded with Tan FEP Jacket

Configuration

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

Electrical Specifications

Impedance, Ohms	50
Velocity of Propagation, %	69.2
Maximum Operating Frequency, GHz	8
RF Shielding, dB	90
Capacitance, pF/ft [pF/m]	29.4 [96.46]
Maximum Operating Voltage, Volts	1,900

Electrical Specifications by Frequency

Frequency 1

Frequency, MHz	100
Attenuation, dB/100ft [dB/100m]	3.9 [12.8]

Frequency 2

Frequency, MHz	1000
Attenuation, dB/100ft [dB/100m]	13 [42.65]

Frequency 3

Frequency, GHz	3
Attenuation, dB/100ft [dB/100m]	23.8 [78.08]

Frequency 4

Frequency, GHz	5
Attenuation, dB/100ft [dB/100m]	36 [118.11]

Mechanical Specifications

Temperature

Operating Range, deg C	-55 to +200
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Inner Conductor

Number of Strands	1
Material	Copper Clad Steel
Plating	Silver
Diameter, in [mm]	0.037 [0.94]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG142 Coax Cable Double Shielded with Tan FEP Jacket RG142B/U](#)

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Flexible RG142 Coax Cable Double Shielded with Tan FEP Jacket

TECHNICAL DATA SHEET

RG142B/U

Dielectric:

Type PTFE
Diameter, in [mm] 0.116 [2.95]

Shield:

Number of 2
Material 1 Silver Plated Copper Braid
Material 2 Silver Plated Copper Braid
Diameter, in [mm] 0.156 [3.96]

Jacket:

Material FEP
Diameter, in [mm] 0.195 [4.95]
Color Tan
One Time Minimum Bend Radius, in [mm] 0.984 [24.99]
Repeated Minimum Bend Radius, in [mm] 2 [50.8]
Weight, lbs/ft [Kg/m] 0.046 [0.07]

Compliance Certifications

(visit www.Pasternack.com for current document)
RoHS Compliant Yes

Plotted and Other Data

Notes: Values at 25 °C, sea level

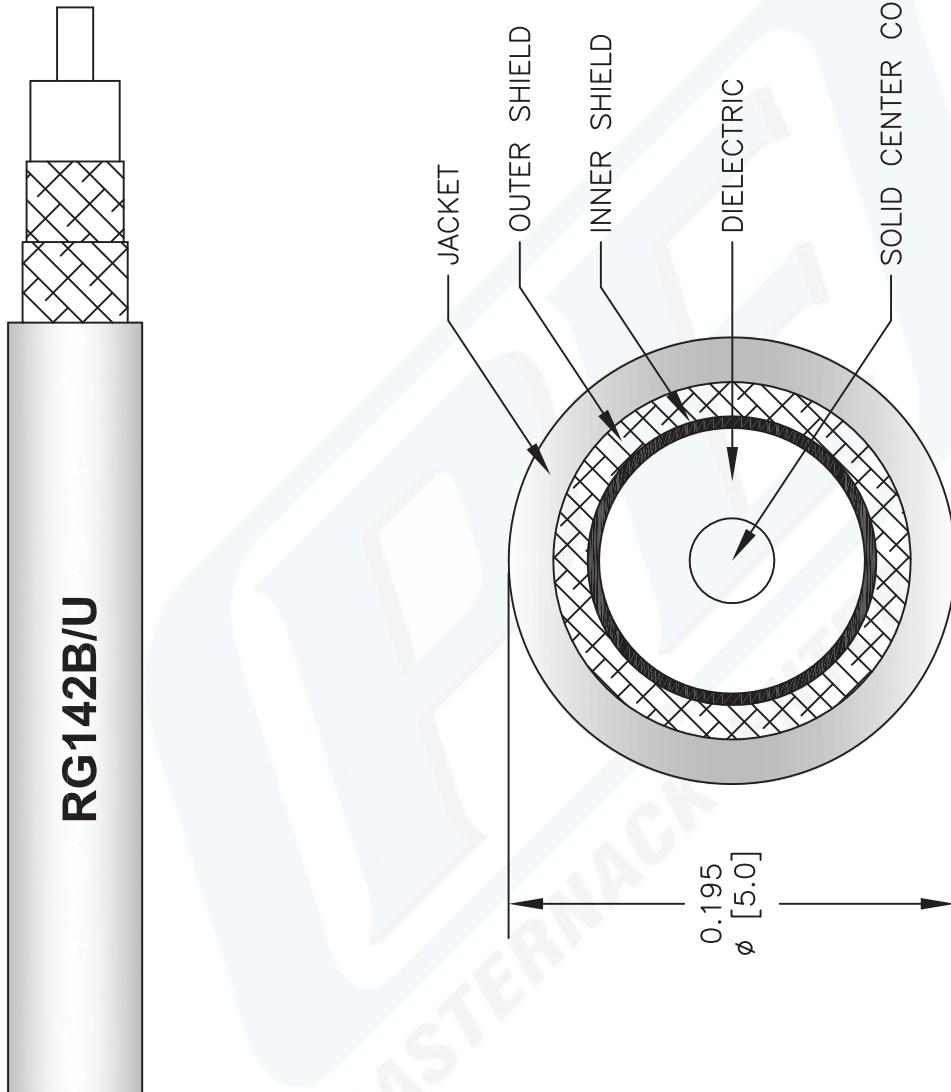
URL: <http://www.pasternack.com/flexible-0.195-rg142-50-ohm-coax-cable-fep-jacket-rg142b-u-p.aspx>

Flexible RG142 Coax Cable Double Shielded with Tan FEP Jacket 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.

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RG142B/U CAD Drawing

Flexible RG142 Coax Cable Double Shielded with Tan FEP Jacket



RG142B/U

DWG TITLE

RG142B/U

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