



GR874 Connector Crimp/Solder Attachment for RG55, RG58, RG141, RG142, RG223, RG400

RF Connectors Technical Data Sheet

PE4233

Configuration

- GR874 Sexless Connector
- MIL-C-39012
- 50 Ohms
- Straight Body Geometry
- RG55, RG58, RG141, RG142, RG223, RG400 Interface Type
- Crimp/Solder Attachment

Features

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

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4233 GR874 connector with crimp/solder attachment for RG55, RG58, RG141, RG142, RG223 and RG400 is part of our full line of RF components available for same-day shipping.

Our GR874 connector PE4233 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	2.205 in [56.01 mm]
Width/Dia.	0.81 in [20.57 mm]
Weight	0.082 lbs [37.19 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: [GR874 Connector Crimp/Solder Attachment for RG55, RG58, RG141, RG142, RG223, RG400 PE4233](#)



GR874 Connector Crimp/Solder Attachment for RG55, RG58, RG141, RG142, RG223, RG400

RF Connectors Technical Data Sheet

PE4233

Environmental Specifications

Temperature

Operating Range

-65 to +165 deg C

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

Plotted and Other Data

Notes:

GR874 Connector Crimp/Solder Attachment for RG55, RG58, 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.

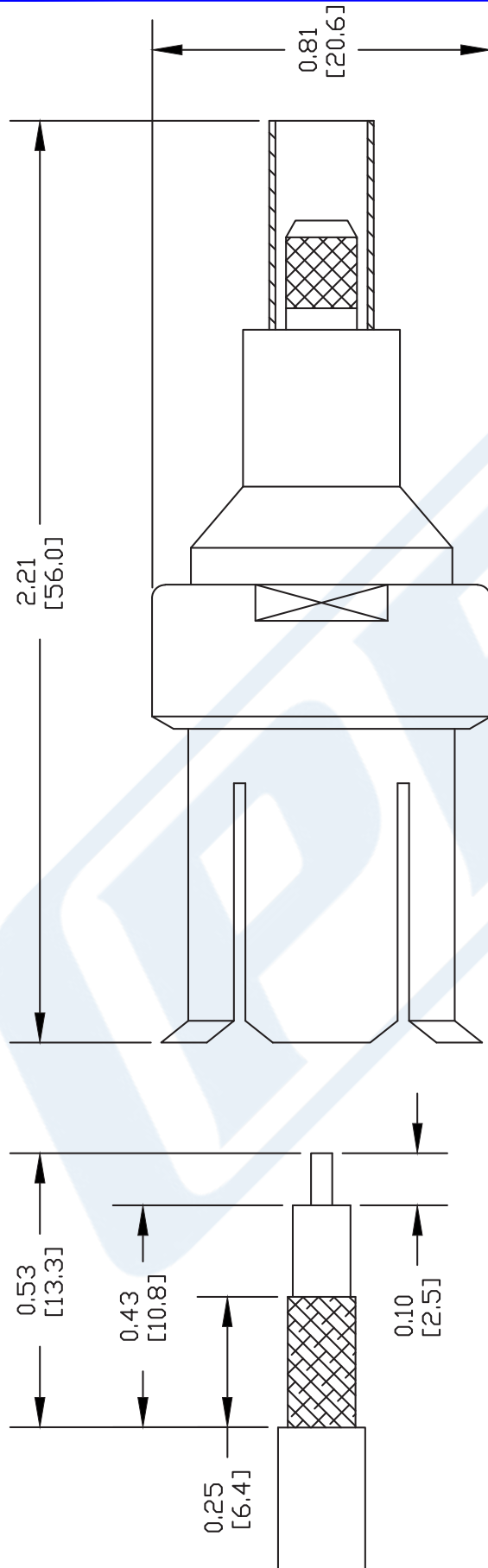
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URL: <https://www.pasternack.com/gr874-sexless-standard-rg55-rg58-rg141-rg142-rg223-rg400-connector-pe4233-p.aspx>

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.

PE4233 CAD Drawing

GR874 Connector Crimp/Solder Attachment for RG55,
RG58, RG141, RG142, RG223, RG400



STRIPPING DIMENSIONS

CRIMP SIZE REQUIRED

CONTACT: SOLDER

FERRULE: .213" HEX CRIMP TOOL



Pasternack Enterprises, Inc.
P.O. Box 16759 | Irvine | CA | 92623
Phone: (949) 261-1920 | Fax: (949) 261-7451
Website: www.pasternack.com | E-Mail: sales@pasternack.com

DWG TITLE

PE4233

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. -

FSCM NO. 53919

CAD FILE 042309

SCALE N/A

SIZE A

147



C Female Bulkhead Connector Clamp/Solder Attachment For RG58, RG55, RG141, RG142, RG223, RG400, .720 inch D Hole

TECHNICAL DATA SHEET

PE4965

C Female Bulkhead Connector Clamp/Solder Attachment For RG58, RG55, RG141, RG142, RG223, RG400, .720 inch D Hole

Configuration

Connector	C Female
Connector Specification	MIL-C-39012
Connector Interface Type	RG58, RG55, RG141, RG142, RG223, RG400
Cable Attachment Method (Shield/Contact)	Clamp/Solder
Body Style	Straight
Mount Method	Bulkhead

Electrical Specifications

Impedance, Ohms	50
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Mechanical Specifications

Temperature

Operating Range, deg C	-65 to +165
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Size

Length, in [mm]	1.28 [32.51]
Width/Dia., in [mm]	1 [25.40]
Weight, lbs [g]	0.123 [55.79]

Connector

Type	C Female
Contact Material and Plating	Silver
Contact Plating Specification	QQ-S-365
Body Material and Plating	Brass, Nickel
Dielectric Type	Teflon

Compliance Certifications (visit www.Pasternack.com for current document)

RoHS Compliant	Yes
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C Female Bulkhead Connector Clamp/Solder Attachment For
RG58, RG55, RG141, RG142, RG223, RG400, .720 inch D Hole

TECHNICAL DATA SHEET

PE4965

Plotted and Other Data

Notes:

Values at 25 °C, sea level

C Female Bulkhead Connector Clamp/Solder Attachment For RG58, RG55, RG141, RG142, RG223, RG400, .720 inch D Hole 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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URL: <http://www.pasternack.com/c-female-standard-rg58-rg55-rg141-rg142-rg223-rg400-connector-pe4965-p.aspx>

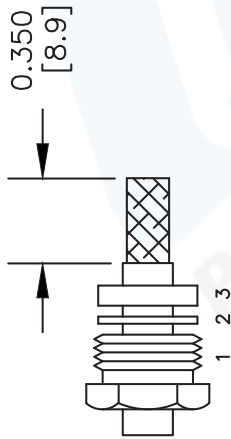
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PE4965 CAD Drawing

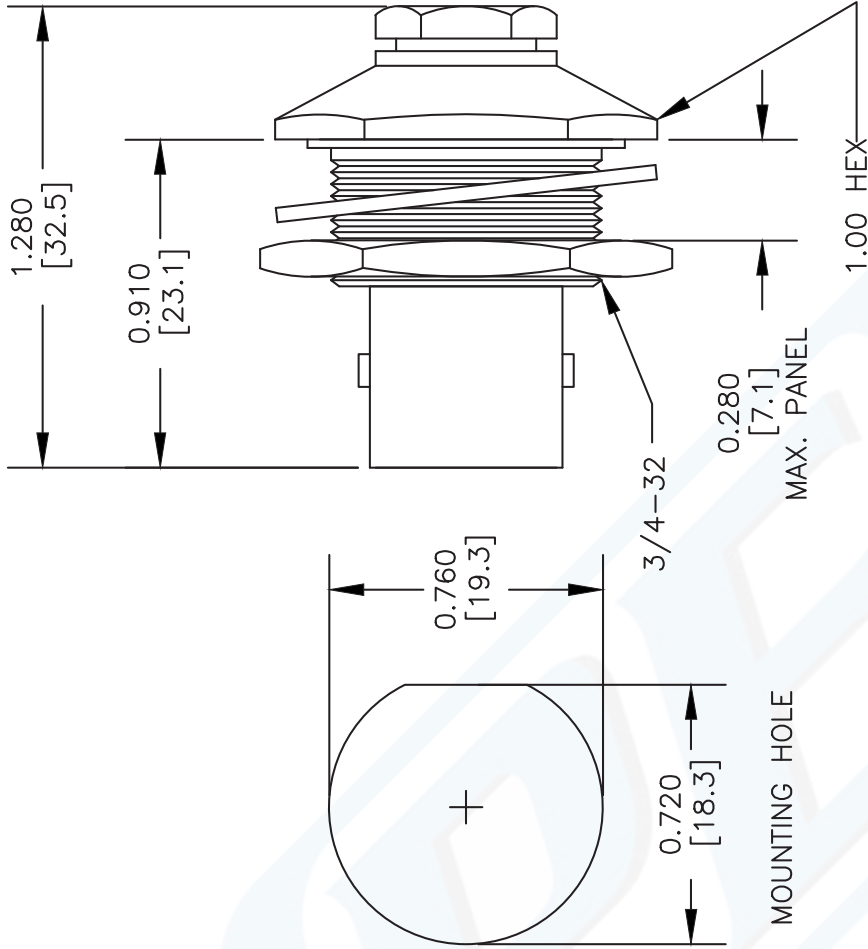
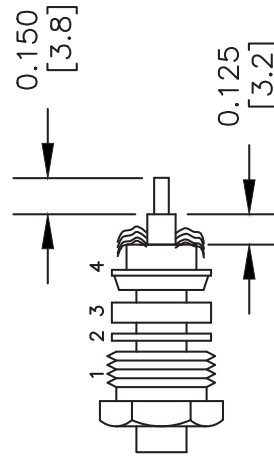
C Female Bulkhead Connector Clamp/Solder Attachment For RG58, RG55, RG141, RG142, RG223, RG400, .720 inch D Hole

ASSEMBLY PROCEDURES

1. SLIDE CLAMP NUT (1), WASHER (2) & GASKET (3) OVER CABLE. STRIP CABLE AS SHOWN. DO NOT NICK BRAID WHILE CUTTING JACKET. TAPER END OF BRAID TO PERMIT ASSEMBLY OF BRAID CLAMP (4). SLIDE BRAID CLAMP (4) OVER BRAID & SEAT AGAINST CABLE.



2. FORM BRAID OVER CLAMP NUT (4). TRIM BRAID BACK TO SHOULDER. CUT DIELECTRIC & CENTER CONDUCTOR TO DIMENSION SHOWN. DO NOT NICK CENTER CONDUCTOR. SOLDER CONTACT TO CENTER CONDUCTOR. REMOVE EXCESS SOLDER. DO NOT OVER HEAT DIELECTRIC. INSERT CABLE ASSEMBLY INTO BODY & TIGHTEN.



DWG TITLE

PE4965

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

PASTERNACK
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FSCM NO. 53919

CAD FILE 061402

SCALE N/A

SIZE A

XXX



Flexible RG400 Coax Cable Double Shielded with Tan FEP Jacket

TECHNICAL DATA SHEET

RG400/U

Flexible RG400 Coax Cable Double Shielded with Tan FEP Jacket

Configuration

Inner Conductor Material and Plating	Copper, 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, %	69.5
Maximum Operating Frequency, GHz	12.4
Capacitance, pF/ft [pF/m]	32 [104.99]
Maximum Operating Voltage, Volts	1,900

Electrical Specifications by Frequency

Frequency 1

Frequency, MHz	100
Attenuation, dB/100ft [dB/100m]	4.4 [14.44]

Frequency 2

Frequency, MHz	1000
Attenuation, dB/100ft [dB/100m]	14.7 [48.23]

Frequency 3

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

Frequency 4

Frequency, GHz	11
Attenuation, dB/100ft [dB/100m]	57.9 [189.96]

Mechanical Specifications

Temperature

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

Number of Strands	19
Material	Copper
Plating	Silver
Diameter, in [mm]	0.039 [0.99]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG400 Coax Cable Double Shielded with Tan FEP Jacket RG400/U](#)

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TECHNICAL DATA SHEET

RG400/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]	1 [25.4]
Weight, lbs/ft [Kg/m]	0.046 [0.07]

Compliance Certifications (visit www.Pasternack.com for current document)

RoHS Compliant	Yes
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Plotted and Other Data

Notes:	Values at 25 °C, sea level
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Flexible RG400 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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG400 Coax Cable Double Shielded with Tan FEP Jacket RG400/U](#)

URL: <http://www.pasternack.com/flexible-0.195-rg400-stranded-center-conductor-50-ohm-coax-cable-fep-jacket-rg400-u-p.aspx>

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RG400/U CAD Drawing

Flexible RG400 Coax Cable Double Shielded with Tan FEP Jacket



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DWG TITLE
RG400/U

FSCM NO. 53919

2233

SIZE A

SCALE N/A

CAD FILE 022908-A

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