

SHV Jack Bulkhead Mount Connector Clamp/
 Solder Attachment for RG213, RG214, RG8, RG9,
 RG225, RG393, RG215, .480 inch D Hole



RF Connectors Technical Data Sheet

PE44049

Configuration

- SHV Jack Connector
- MIL-STD-348
- 50 Ohms
- Straight Body Geometry

- RG213, RG214, RG8, RG9, RG225, RG393, RG215
- Interface Type
- Clamp/Solder Attachment
- Bulkhead

Features

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

Applications

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

Description

Pasternack's PE44049 SHV jack bulkhead connector with clamp/solder attachment for RG213, RG214, RG8, RG9, RG225, RG393 and RG215 (.480 inch D hole) is part of our full line of RF components available for same-day shipping. This SHV 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 SHV jack bulkhead connector PE44049 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	2.15 in [54.61 mm]
Width/Dia.	0.75 in [19.05 mm]
Weight	0.11 lbs [49.9 g]

Material Specifications

Description	Material	Plating
Contact		Silver QQ-S-365
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: [SHV Jack Bulkhead Mount Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG225, RG393, RG215, .480 inch D Hole PE44049](#)

SHV Jack Bulkhead Mount Connector Clamp/
Solder Attachment for RG213, RG214, RG8, RG9,
RG225, RG393, RG215, .480 inch D Hole



RF Connectors Technical Data Sheet

PE44049

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

Plotted and Other Data

Notes:

SHV Jack Bulkhead Mount Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG225, RG393, RG215, .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: [SHV Jack Bulkhead Mount Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG225, RG393, RG215, .480 inch D Hole PE44049](#)

URL: <https://www.pasternack.com/shv-jack-standard-rg213-rg214-rg8-rg9-rg225-rg393-connector-pe44049-p.aspx>

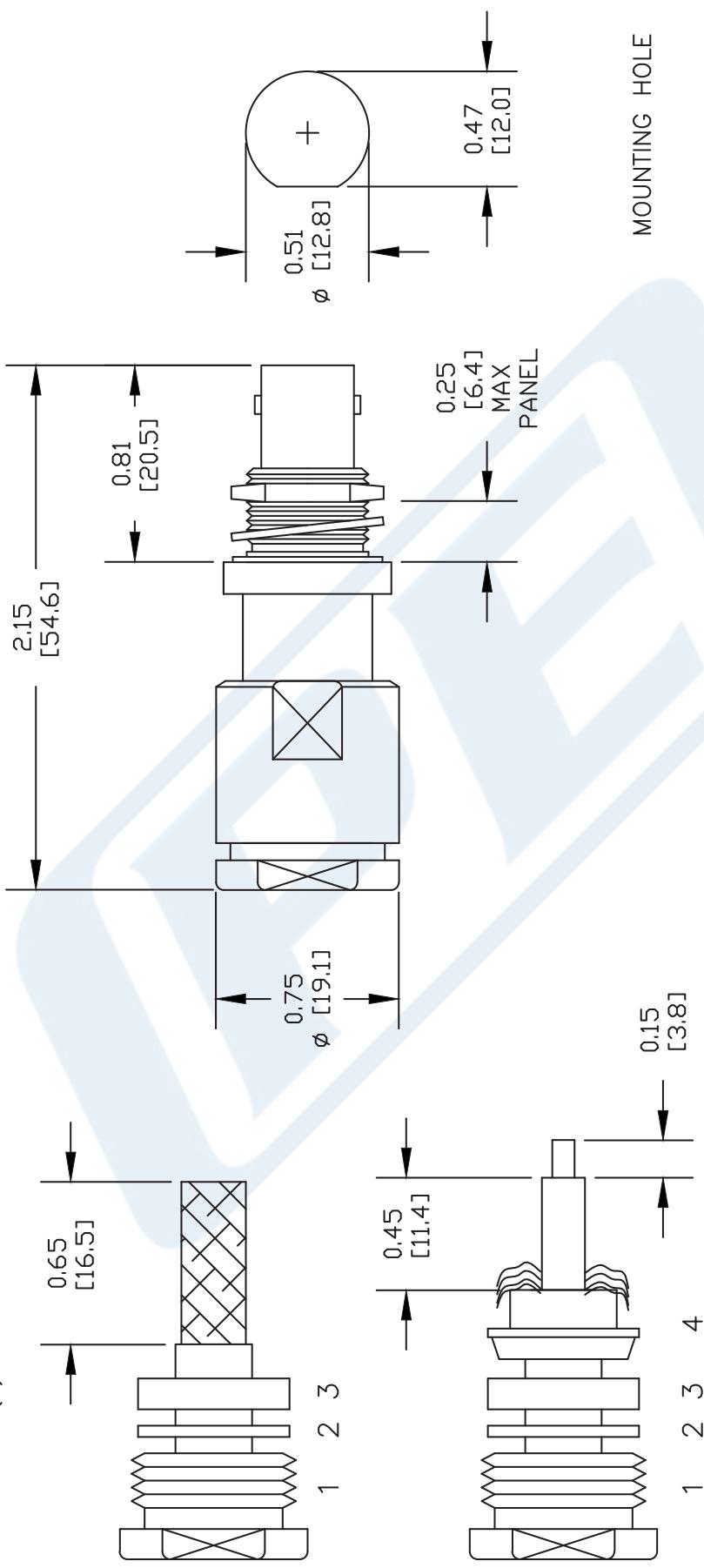
The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such 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.

PE44049 CAD Drawing

SHV Jack Bulkhead Mount Connector Clamp/Solder Attachment for RG213,
RG214, RG8, RG9, RG225, RG393, RG215, .480 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.

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DWG TITLE

PE44049

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.

CAD FILE 020713-B SCALE N/A SIZE A 2231



GR874 Sexless Connector Crimp/Solder Attachment For RG214, RG9, RG225, RG393

TECHNICAL DATA SHEET

PE4352

GR874 Sexless Connector Crimp/Solder Attachment For RG214, RG9, RG225, RG393

Configuration

Connector	GR874 Sexless
Connector Specification	MIL-C-39012
Connector Interface Type	RG214, RG9, RG225, RG393
Cable Attachment Method (Shield/Contact)	Crimp/Solder
Body Style	Straight

Electrical Specifications

Impedance, Ohms	50
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Mechanical Specifications

Temperature	
Operating Range, deg C	-65 to +165
Size	
Length, in [mm]	1.95 [49.53]
Width/Dia., in [mm]	0.81 [20.57]
Weight, lbs [g]	0.068 [30.84]

Connector

Type	GR874 Sexless
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)	Yes
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Plotted and Other Data

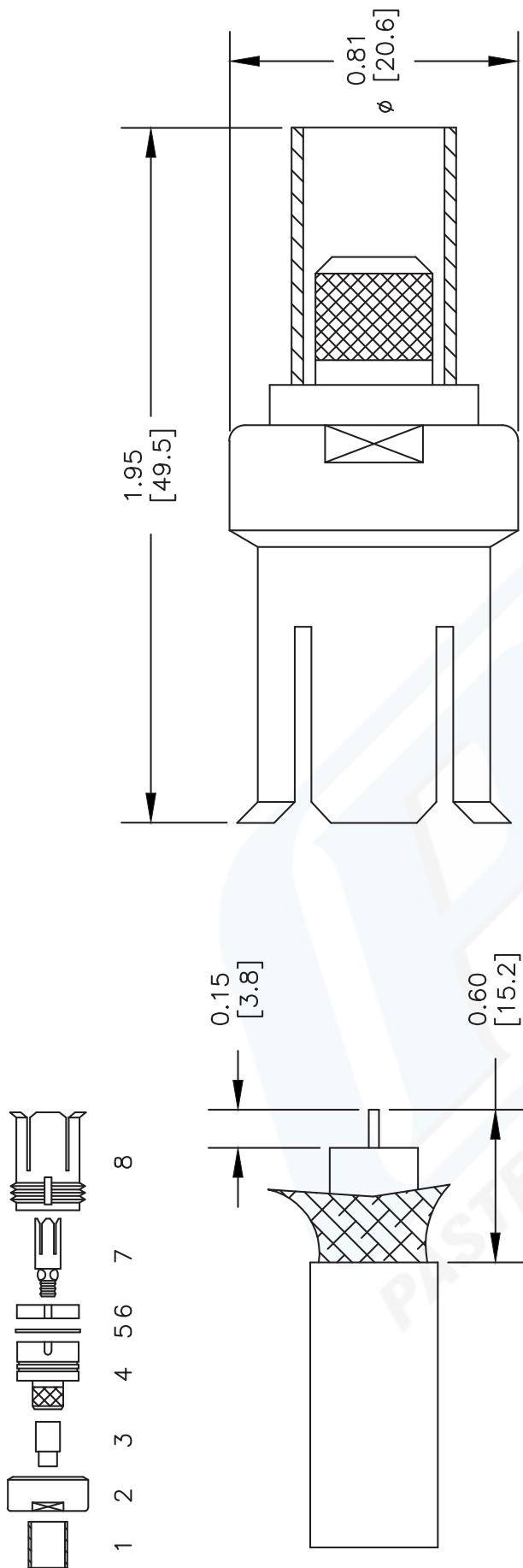
Notes:	Values at 25 °C, sea level
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GR874 Sexless Connector Crimp/Solder Attachment For RG214, RG9, RG225, RG393 from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain 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: [GR874 Sexless Connector Crimp/Solder Attachment For RG214, RG9, RG225, RG393 PE4352](http://www.pasternack.com/gr874-sexless-standard-rg214-rg9-rg225-rg393-connector-pe4352-p.aspx)

URL: <http://www.pasternack.com/gr874-sexless-standard-rg214-rg9-rg225-rg393-connector-pe4352-p.aspx>

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STRIPPING DIMENSIONS

ASSEMBLY PROCEDURES

1. STRIP CABLE TO DIMENSION SHOWN SLIDE FERRULE (1) & NUT (2) OVER CABLE.
2. SOLDER CONTACT (3) TO CENTER CONDUCTOR. FLAIR BRAID BACK, INSERT EXTENSION (4) OVER CONTACT (3) & DIELECTRIC SLIDE FERRULE (1) OVER BRAID AGAINST EXTENSION (4).
3. INSTALL RING (5) ON EXTENSION (4) INSERT CONTACT (7) THRU PTFE (6) TOGETHER SCREW IN TO CONTACT (3) ALIGN SLOTTED, PUSH BODY (8) OVER ASSEMBLY UNTIL PTFE (6) BOTTOMS ON TO BODY SHOULDER, SCREW NUT (2) SECURELY THEN CRIMP FERRULE (1).

CRIMP SIZE REQUIRED

CONTACT: SOLDER
FERRULE: 429" HEX CRIMP TOOL

NOTES:
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3. DIMENSIONS ARE IN INCHES [mm].
4. FITS MIL-C-17 AND EQUIVALENT CABLES.

DWG TITLE
PE4352



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REV. -	FSCM NO.	53919	CAD FILE	050802	SCALE N/A	SIZE A	2233
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Flexible RG214 Coax Cable Double Shielded with Black PVC Jacket

RF Cables Technical Data Sheet

RG214/U

Configuration

- Flexible Cable
- 2 Shield(s)

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		11	GHz
Impedance		50		Ohms
Velocity of Propagation		66		%
Operating Voltage (AC)			5,000	Vrms
Nominal Capacitance	30.8 [101.05]			pF/ft [pF/m]

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	0.01	0.1	1	5	10	GHz
Attenuation, Typ	0.64	2.07	7.68	20.68	36.51	dB/100ft
	2.1	6.79	25.2	67.85	119.78	dB/100m

Mechanical Specifications

Diameter 0.425 in [10.8 mm]
 Weight 0.122 lbs/ft [0.18 Kg/m]

Min. Bend Radius (Repeated) 1.6 in [40.64 mm]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper, Silver, 7 Strands (7 X 0.02961)	0.089 in [2.26 mm]
Conductor Type	Stranded	
Dielectric	PE	0.285 in [7.24 mm]
First Shield	Silver Plated Copper Braid	

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG214 Coax Cable Double Shielded with Black PVC Jacket RG214/U](#)



Flexible RG214 Coax Cable Double Shielded with Black PVC Jacket

RF Cables Technical Data Sheet

RG214/U

90% coverage

Second Shield	Silver Plated Copper Braid 90% coverage	0.331 in [8.41 mm]
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Jacket	PVC, Black	0.425 in [10.8 mm]
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Environmental Specifications

Temperature

Operating Range

-20 to +80 deg C

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

Plotted and Other Data

Notes:

Flexible RG214 Coax Cable Double Shielded with Black PVC 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.

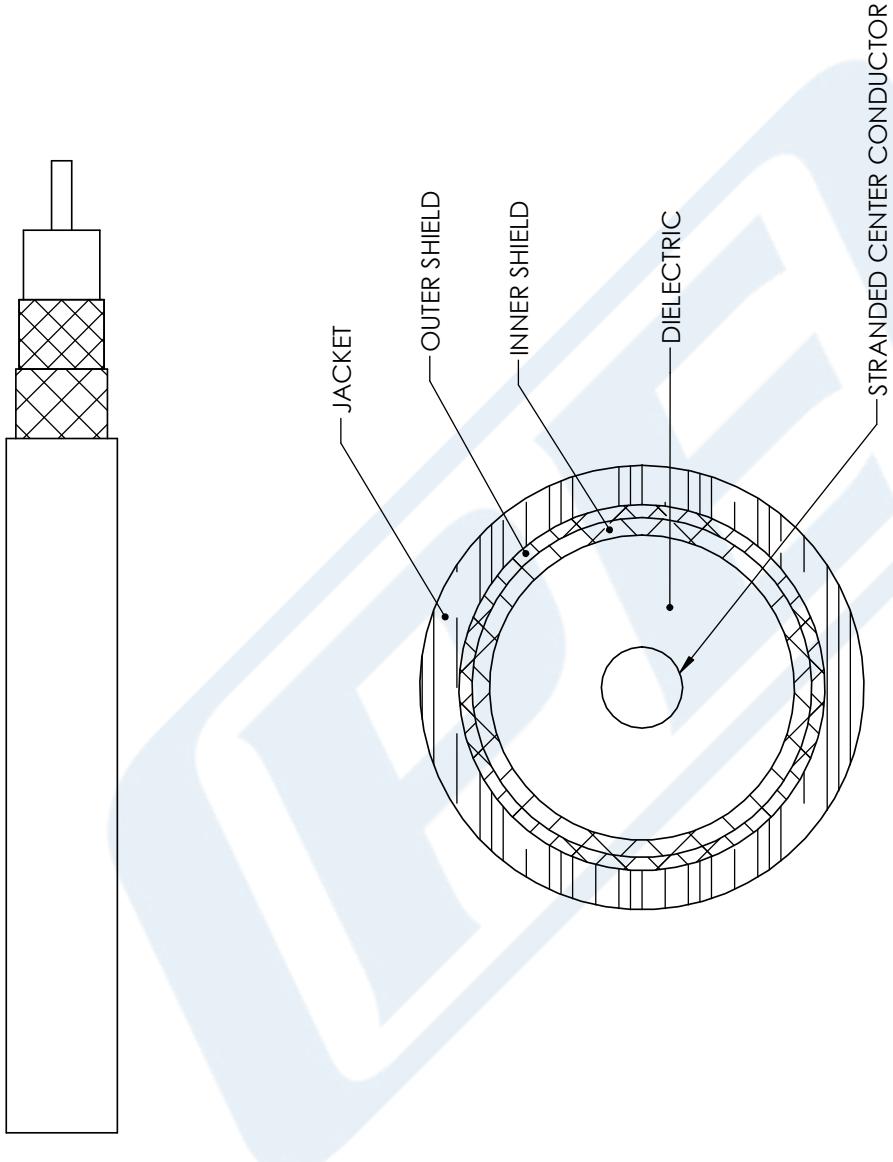
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG214 Coax Cable Double Shielded with Black PVC Jacket RG214/U](#)

URL: <https://www.pasternack.com/flexible-0.425-rg214-50-ohm-coax-cable-pvc-jacket-rg214-u-p.aspx>

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RG214/U CAD Drawing

Flexible RG214 Coax Cable Double Shielded with Black PVC Jacket



STANDARD TOLERANCES		
X	± 0.2	
.XX	± 0.01	
.XXX	± 0.005	

*STANDARD TOLERANCES APPLY
ONLY TO DIMENSIONS IN INCHES

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CAGE CODE	DWG TITLE	CAD FILE	SCALE	SIZE	A
53919	RG214-U	11/29/17	N/A		CN2245