



LC Male Connector Clamp/Solder Attachment for RG14, RG217

RF Connectors Technical Data Sheet

PE4563

Configuration

- LC Male Connector
- MIL-STD-348
- 50 Ohms
- Straight Body Geometry
- RG14, RG217 Interface Type
- Clamp/Solder Attachment

Features

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

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4563 LC male connector with clamp/solder attachment for RG14 and RG217 is part of our full line of RF components available for same-day shipping.

Our LC male connector PE4563 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	2.81 in [71.37 mm]
Width/Dia.	1.5 in [38.10 mm]
Weight	0.529 lbs [239.95 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: [LC Male Connector Clamp/Solder Attachment for RG14, RG217 PE4563](#)



LC Male Connector Clamp/Solder Attachment for RG14, RG217

RF Connectors Technical Data Sheet

PE4563

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

Plotted and Other Data

Notes:

LC Male Connector Clamp/Solder Attachment for RG14, RG217 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: [LC Male Connector Clamp/Solder Attachment for RG14, RG217 PE4563](#)

URL: <https://www.pasternack.com/lc-male-standard-rg14-rg217-connector-pe4563-p.aspx>

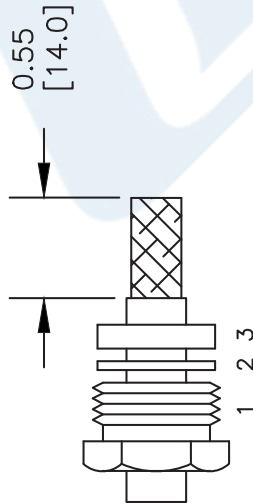
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PE4563 CAD Drawing

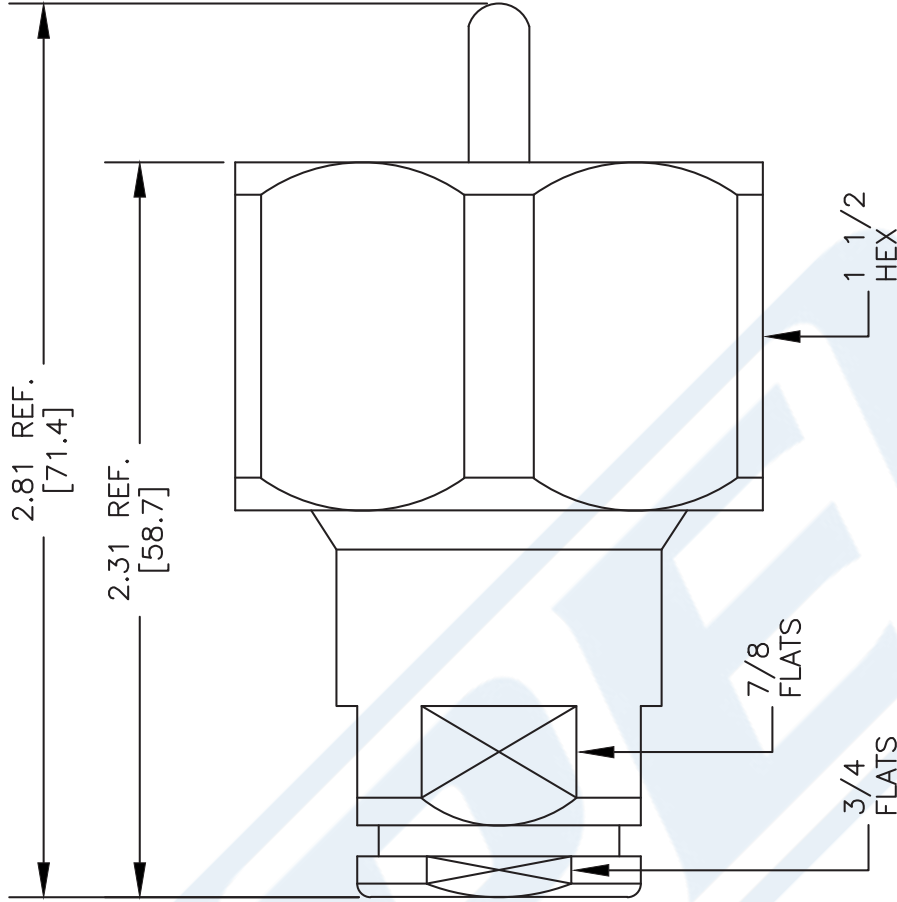
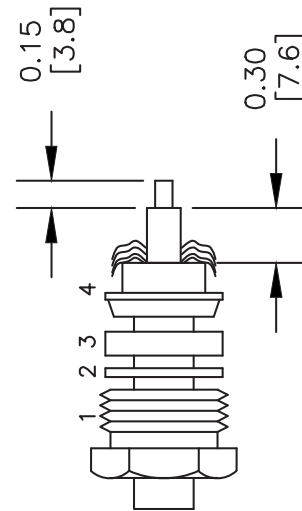
LC Male Connector Clamp/Solder Attachment for RG14, RG217

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 JACKET.



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

PE4563

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.

Pasternack Enterprises, Inc.
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FSCM NO. 53919

CAD FILE 082312

SCALE N/A

SIZE A

2233



HN Male Right Angle Connector Clamp/ Solder Attachment for RG14, RG217

RF Connectors Technical Data Sheet

PE45307

Configuration

- HN Male Connector
- MIL-STD-348A
- 50 Ohms
- Right Angle Body Geometry
- RG14, RG217 Interface Type
- Clamp/Solder Attachment

Features

- Max. Operating Frequency 4 GHz
- Good VSWR of 1.5:1
- Gold Plated Brass Contact
- Contact plating according to MIL-STD-45204

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE45307 HN male right angle connector with clamp/solder attachment for RG14 and RG217 is part of our full line of RF components available for same-day shipping. Our HN male connector operates up to a maximum frequency of 4 GHz and offers good VSWR of 1.5:1. Its right angle body geometry allows for easier connections in tight spaces.

Our HN male right angle connector PE45307 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		4	GHz
VSWR			1.5:1	
Operating Voltage (AC)			1,500	Vrms
Dielectric Withstanding Voltage (AC)			5,000	Vrms

Mechanical Specifications

Size	
Length	2 in [50.8 mm]
Width/Dia.	0.9 in [22.86 mm]
Height	1.46 in [37.08 mm]
Weight	0.244 lbs [110.68 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [HN Male Right Angle Connector Clamp/Solder Attachment for RG14, RG217 PE45307](#)



HN Male Right Angle Connector Clamp/ Solder Attachment for RG14, RG217

RF Connectors Technical Data Sheet

PE45307

Material Specifications

Description	Material	Plating
Contact	Brass	Gold MIL-STD-45204
Insulation	PTFE	
Body	Brass	Nickel QQ-N-290
Coupling Nut	Brass	Nickel QQ-N-290

Environmental Specifications

Temperature

Operating Range

-65 to +125 deg C

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

Plotted and Other Data

Notes:

HN Male Right Angle Connector Clamp/Solder Attachment for RG14, RG217 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.

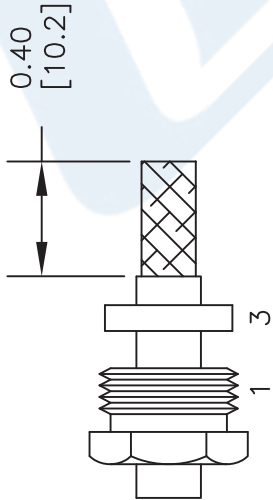
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [HN Male Right Angle Connector Clamp/Solder Attachment for RG14, RG217 PE45307](#)

URL: <https://www.pasternack.com/hn-male-rg14-rg217-connector-pe45307-p.aspx>

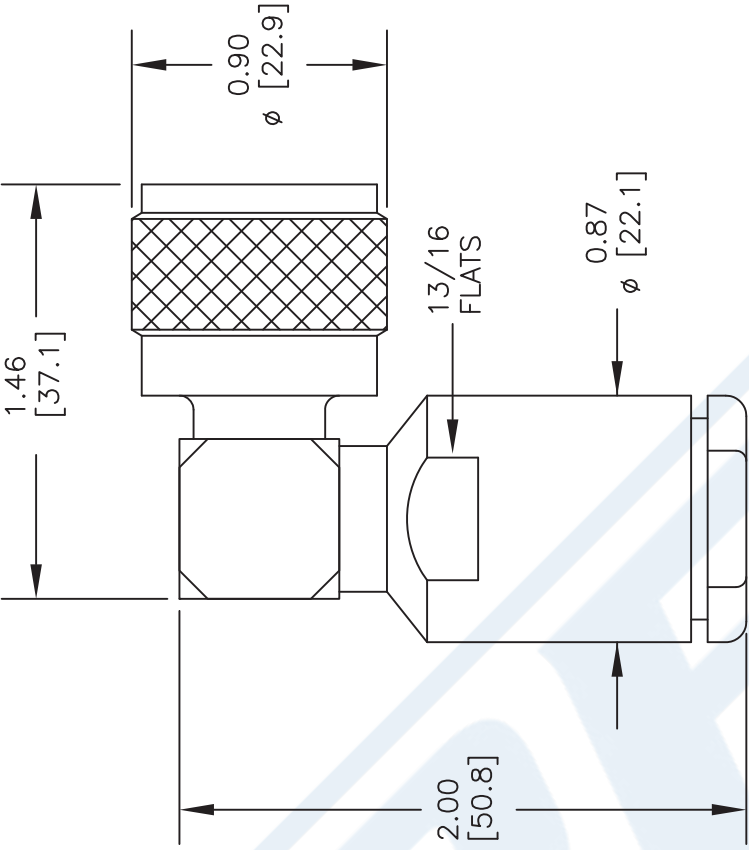
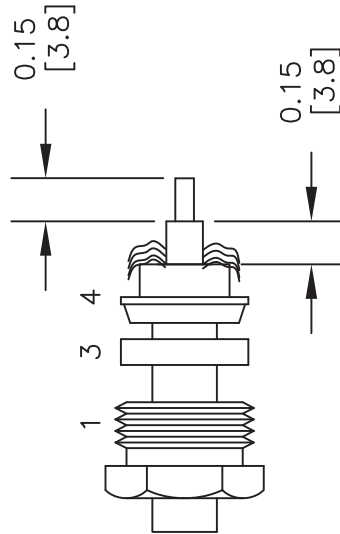
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ASSEMBLY PROCEDURES

1. SLIDE CLAMP NUT (1), & 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 JACKET.



2. FORM BRAID OVER BRAID CLAMP (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.



STANDARD TOLERANCES

.X ±0.2
.XX ±0.1
.XXX ±0.05

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

NOTES:

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3. DIMENSIONS ARE IN INCHES [mm].

DWG TITLE

PE45307

CAGE CODE 53919

CAD FILE 041917

SCALE N/A

SIZE A

2233

PE PASTERNAK®
THE ENGINEER'S RF SOURCE

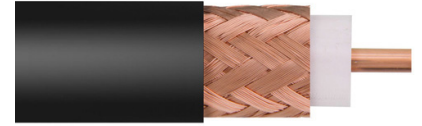
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Flexible RG217 Coax Cable Double Shielded with Black PVC Jacket



RG217/U

Configuration

- Flexible Cable
- 2 Shield(s)

Features

Applications

Description

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		1,000	MHz
Impedance		50		Ohms
Velocity of Propagation		66		%
Operating Voltage (AC)			5,200	Vrms
Nominal Capacitance		30.8 [101.05]		pF/ft [pF/m]
Power@ 1GHz			260	Watts

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	10	100	1,000			MHz
Attenuation, Typ	0.45	1.54	6.37			dB/100ft
	1.48	5.05	20.9			dB/100m
Input Power (CW), Max	6,000	1,200	260			Watts

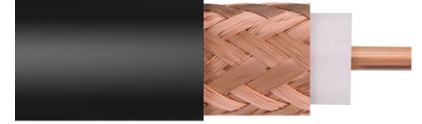
Mechanical Specifications

Diameter	0.545 in [13.84 mm]
Weight	0.205 lbs/ft [0.31 kg/m]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper, 1 Strand	0.106 in [2.69 mm]
Conductor Type	Solid	
Dielectric	PE	0.37 in [9.4 mm]
First Shield	Copper Braid	
Second Shield	Copper Braid	0.417 in [10.59 mm]
Jacket	PVC, Black	0.545 in [13.84 mm]

Flexible RG217 Coax Cable Double Shielded with Black PVC Jacket



RG217/U

Environmental Specifications

Temperature

Operating Range

-40 to +80 deg C

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

Plotted and Other Data

Notes:

Flexible RG217 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.

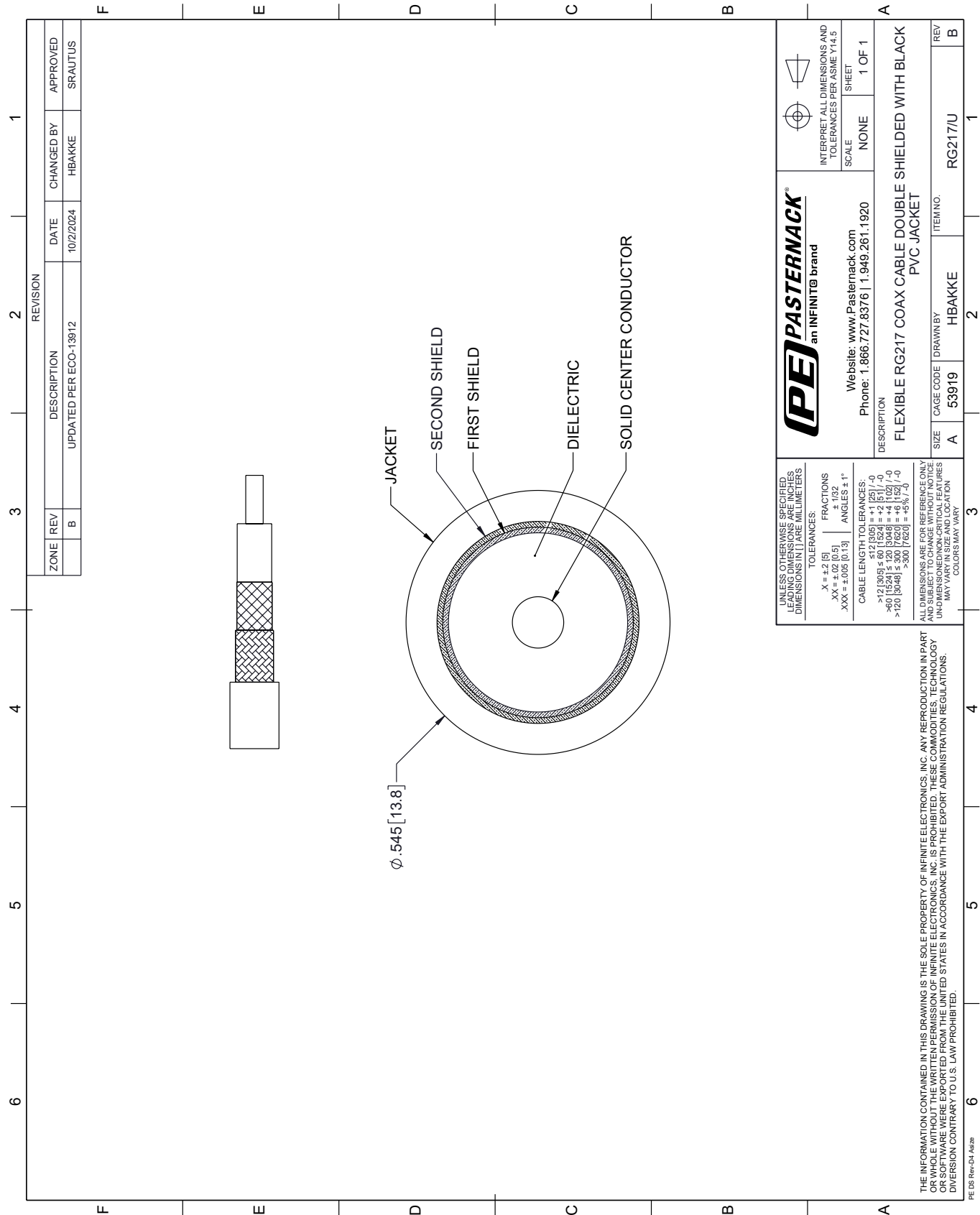
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG217 Coax Cable Double Shielded with Black PVC Jacket RG217/U](#)

URL: <https://www.pasternack.com/flexible-0.545-rg217-50-ohm-coax-cable-pvc-jacket-rg217-u-p.aspx>

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RG217/U CAD Drawing

Flexible RG217 Coax Cable Double Shielded with Black PVC Jacket



REVISION		DATE	CHANGED BY	APPROVED
ZONE	REV			
	B	10/2/2024	HBAKKE	SRAUTUS
DESCRIPTION		UPDATED PER ECO-13812		

PE PASTERNAK an INFINITE® brand		Website: www.Pasternack.com Phone: 1.866.727.8376 1.949.261.1920		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. DIMENSIONS IN [] ARE MILLIMETERS.		TOLERANCES:		SCALE: NONE	
.X = ±.2 [5]		FRACTIONS: ± 1/32		SHEET: 1 OF 1	
.XX = ±.02 [0.5]		ANGLES: ± 1°			
.XXX = ±.005 [0.13]					
CABLE LENGTH TOLERANCES:					
>12 [305] ≤ 60 [1524] = ±.125 [-0]					
>60 [1524] ≤ 120 [3048] = ±.125 [-0]					
>120 [3048] ≤ 300 [7620] = ±.125 [-0]					
>300 [7620] = ±.125 [-0]					
ALL DIMENSIONS ARE FOR REFERENCE ONLY. DIMENSIONS SHALL BE TO THE CENTER OF THE CABLE UNLESS OTHERWISE SPECIFIED. DIMENSIONS MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.					
DESCRIPTION		ITEM NO.			
FLEXIBLE RG217 COAX CABLE DOUBLE SHIELDED WITH BLACK PVC JACKET		53919		RG217/U	
SIZE		CAGE CODE		REV	
A		A		B	
DRAWN BY		HBAKKE			

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PE DS Rev-D4 Adda