PASTERNACK®
THE ENGINEER'S RF SOURCE



BNC Male Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393

RF Connectors Technical Data Sheet PE4351

Configuration

- BNC Male Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- RG214, RG9, RG225, RG393 Interface Type
- Crimp/Solder Attachment

Features

- Max. Operating Frequency 4 GHz
- Good VSWR of 1.5:1
- Gold Plated Brass Contact
- 30 µin minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4351 BNC male connector with crimp/solder attachment for RG214, RG9, RG225 and RG393 is part of our full line of RF components available for same-day shipping. Our BNC male connector operates up to a maximum frequency of 4 GHz and offers good VSWR of 1.5:1.

Our BNC male connector PE4351 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)			500	Vrms
Dielectric Withstanding Voltage (AC)			1,500	Vrms

Mechanical Specifications

Size

Length	1.37 in [34.8 mm]
Width/Dia.	0.57 in [14.48 mm]
Weight	0.036 lbs [16.33 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: BNC Male Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393 PE4351

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BNC Male Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393

Material Specifications

Description	Material	Plating
Contact	Brass	Gold 30 µin minimum
Insulation	PTFE	
Body	Brass	Nickel 100 µin minimum
Coupling Nut	Brass	Nickel 100 µin minimum
Crimp Sleeve	Brass	Nickel

Environmental Specifications

Temperature

Operating Range	-65 to +165 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

BNC Male 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 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: BNC Male Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393 PE4351

URL: https://www.pasternack.com/bnc-male-standard-rg214-rg9-rg225-rg393-connector-pe4351-p.aspx

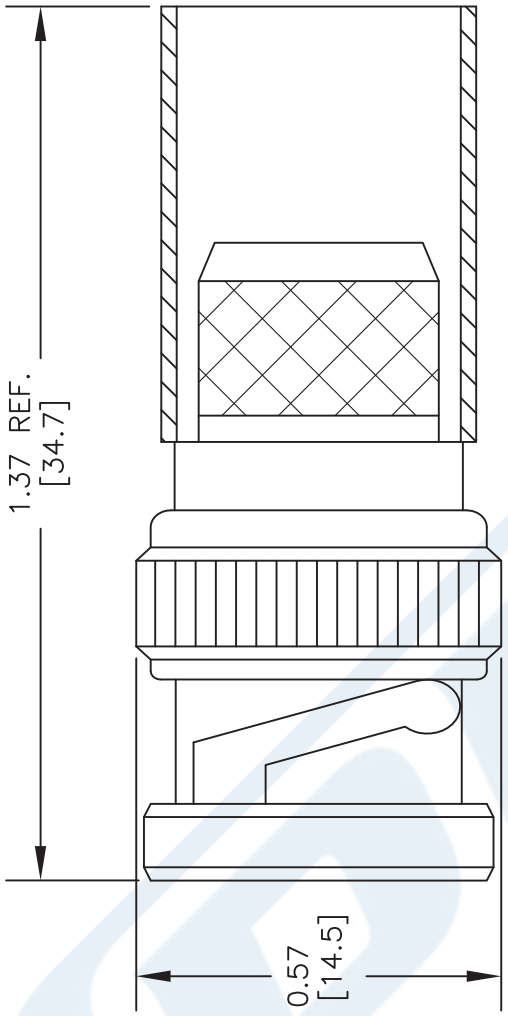
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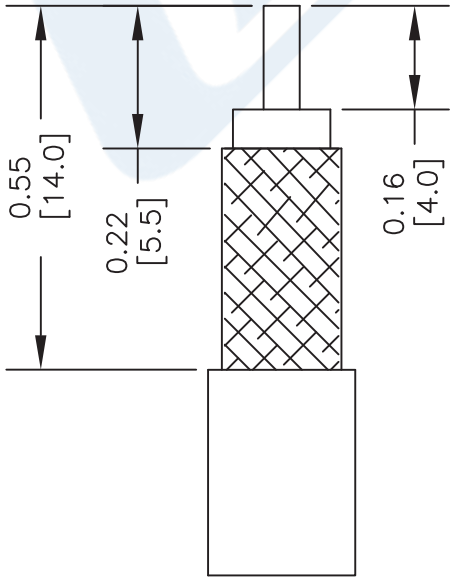
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PE4351 CAD Drawing

BNC Male Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393





STRIPPING DIMENSIONS

CRIMP SIZE REQUIRED

CONTACT: SOLDER
FERRULE: .429" 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 **PE4351**

REV. B	FSCM NO. 53919	CAD FILE 082712	SCALE N/A	SIZE A	2233

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PASTERNACK®
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C Female Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG11, RG225, RG393, RG144, RG216, RG215



RF Connectors Technical Data Sheet PE4960

Configuration

- C Female Connector
- MIL-STD-348
- 50 Ohms
- Straight Body Geometry
- RG213, RG214, RG8, RG9, RG11, RG225, RG393, RG144, RG216, RG215 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 PE4960 type C female connector with clamp/solder attachment for RG213, RG214, RG8, RG9, RG11, RG225, RG393, RG144, RG216 and RG215 is part of our full line of RF components available for same-day shipping.

Our type C female connector PE4960 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	1.4 in [35.56 mm]
Width/Dia.	0.75 in [19.05 mm]
Weight	0.089 lbs [40.37 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: C Female Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG11, RG225, RG393, RG144, RG216, RG215 PE4960

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C Female Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG11, RG225, RG393, RG144, RG216, RG215



Environmental Specifications

Temperature

Operating Range	-65 to +165 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

C Female Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG11, RG225, RG393, RG144, RG216, RG215 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: C Female Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG11, RG225, RG393, RG144, RG216, RG215 PE4960

URL: https://www.pasternack.com/c-female-standard-rg213-rg214-rg8-rg9-rg11-rg225-rg393-connector-pe4960-p.aspx

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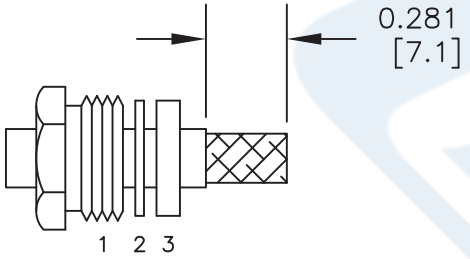
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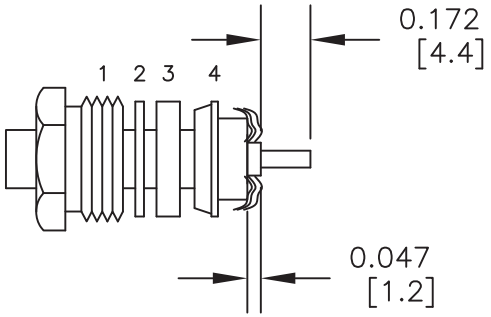
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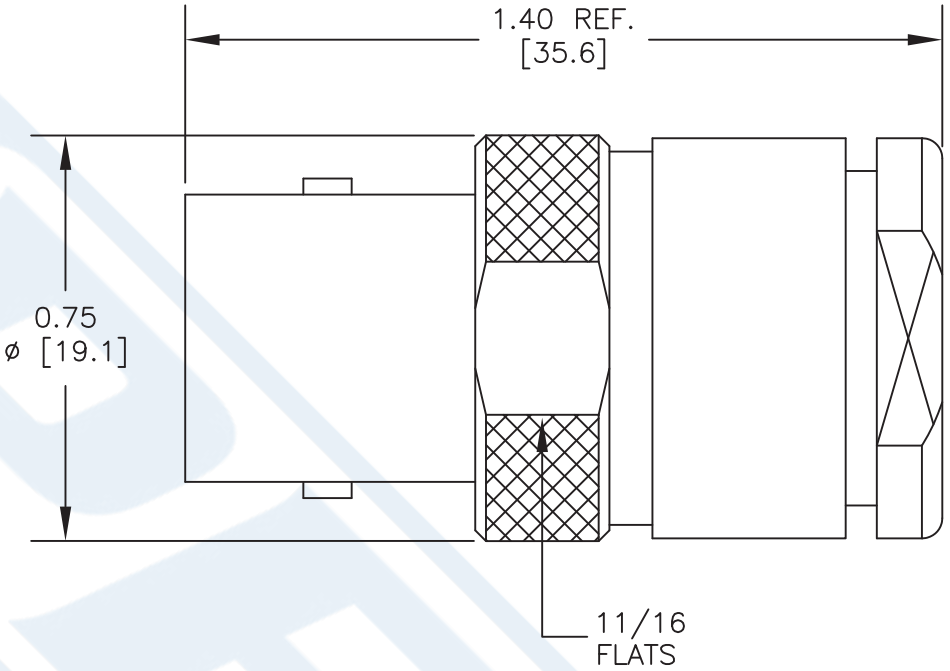
ASSEMBLY PROCEDURES

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 & TIGHTE





PE4960 CAD Drawing

C Female Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG11, RG225, RG393, RG144, RG216, RG215

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DWG TITLE

PE4960

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

FSCM NO. 53919	CAD FILE 092812-A	SCALE N/A	SIZE A	2233

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Flexible RG393 Coax Cable Double Shielded with Tan FEP Jacket

RF Cables
Technical Data Sheet

RG393/U

Configuration

- Flexible Cable
- 2 Shield(s)

Features

- 50 Ohm Impedance
- Stranded Silver Plated Copper center conductor
- PTFE dielectric
- Double Silver Plated Copper Braid
- FEP Jacket Material 0.390 in diameter

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		10	GHz
Impedance		50		Ohms
Velocity of Propagation		69.5		%
Nominal Capacitance		29.4 [96.46]		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	0.6	2.1	7.5	21	35	dB/100ft
	1.97	6.89	24.61	68.9	114.83	dB/100m
Input Power (CW), Max	25,000	6,300	1,700	620	350	Watts

Mechanical Specifications

Diameter	0.39 in [9.91 mm]
Weight	0.157 lbs/ft [0.23 Kg/m]
Min. Bend Radius (Repeated)	3.9 in [99.06 mm]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper, Silver7	0.094 in 2.39 mm
Conductor Type	Stranded	

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Flexible RG393 Coax Cable Double Shielded with Tan FEP Jacket RG393/U

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Flexible RG393 Coax Cable Double Shielded with Tan FEP Jacket

RF Cables
Technical Data Sheet

RG393/U

Dielectric	PTFE	0.285 in 7.24 mm
First Shield	Silver Plated Copper Braid 90% coverage	0.313 in 7.95 mm
Second Shield	Silver Plated Copper Braid 90% coverage	0.341 in 8.66 mm
Jacket	FEP, Tan	0.39 in [9.91 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 RG393 Coax Cable Double 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 RG393 Coax Cable Double Shielded with Tan FEP Jacket RG393/U

URL: https://www.pasternack.com/flexible-rg393u-fep-jacket-silver-plated-copper-braid-over-silver-plated-copper-braid-outer-conductor-double-shielded-rg393-u-p.aspx

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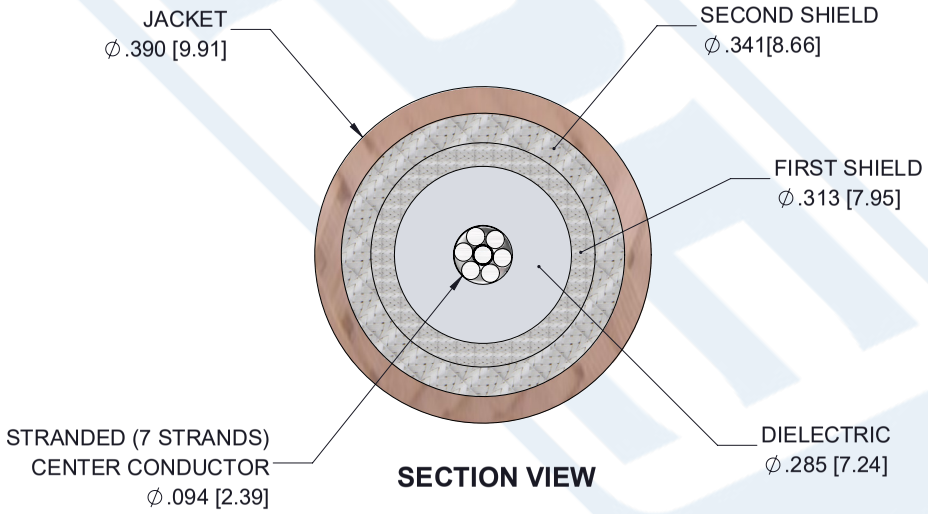
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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	PCR RG393/U	1/8/2020	S.ELLIS

RG393/U CAD Drawing

Flexible RG393 Coax Cable Double Shielded with Tan FEP Jacket





SECTION VIEW

UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:

.X = ± .2 [5.08]	FRACTIONS ± 1/32
.XX = ± .02 [.51]	ANGLES ± 1°
.XXX = ± .005 [.13]	

CABLE LENGTH (L) TOLERANCES:

L ≤ 12 [305] = +1 [25] / -0
12 [305] < L ≤ 60 [1524] = +2 [51] / -0
60 [1524] < L ≤ 120 [3048] = +4 [102] / -0
120 [3048] < L ≤ 300 [7620] = +6 [152] / -0
300 [7620] < L = +5%L / -0

ALL DIMENSIONS SHOWN
ARE FOR REFERENCE ONLY.

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THIRD-ANGLE PROJECTION

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SHEET 1 OF 1

SCALE N/A

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	53919	K.DANG	RG393/U	A

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