PASTERNACK®
THE ENGINEER'S RF SOURCE

BNC Twinax Plug Connector Clamp/Solder Attachment for RG108, 78 Ohm Twinax

RF Connectors Technical Data Sheet PE4236

Configuration

- BNC Twinax Plug Connector
- MIL-STD-348
- 78 Ohms
- Straight Body Geometry
- RG108, 78 Ohm Twinax 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 PE4236 78 ohm BNC Twinax plug connector with clamp/solder attachment for RG108 and 78 Ohm Twinax is part of our full line of RF components available for same-day shipping.

Our 78 ohm BNC Twinax plug connector PE4236 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
Operating Voltage (AC)			500	Vrms
Insulation Resistance	5,000			MOhms

Mechanical Specifications

Size

Length	1.1 in [27.94 mm]
Width/Dia.	0.57 in [14.48 mm]
Weight	0.039 lbs [17.69 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: BNC Twinax Plug Connector Clamp/Solder Attachment for RG108, 78 Ohm Twinax PE4236

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BNC Twinax Plug Connector Clamp/Solder Attachment for RG108, 78 Ohm Twinax

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

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

BNC Twinax Plug Connector Clamp/Solder Attachment for RG108, 78 Ohm Twinax 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 Twinax Plug Connector Clamp/Solder Attachment for RG108, 78 Ohm Twinax PE4236

URL: https://www.pasternack.com/bnc-twinax-plug-standard-rg108-78-ohm-twinax-connector-pe4236-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.

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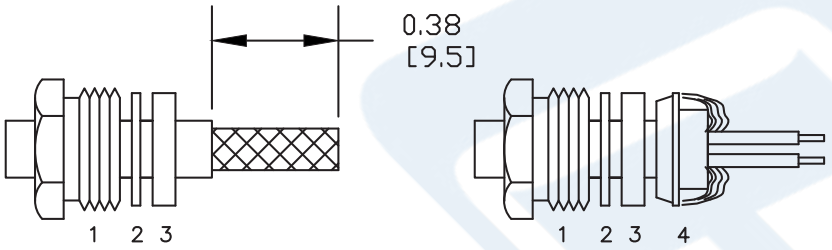
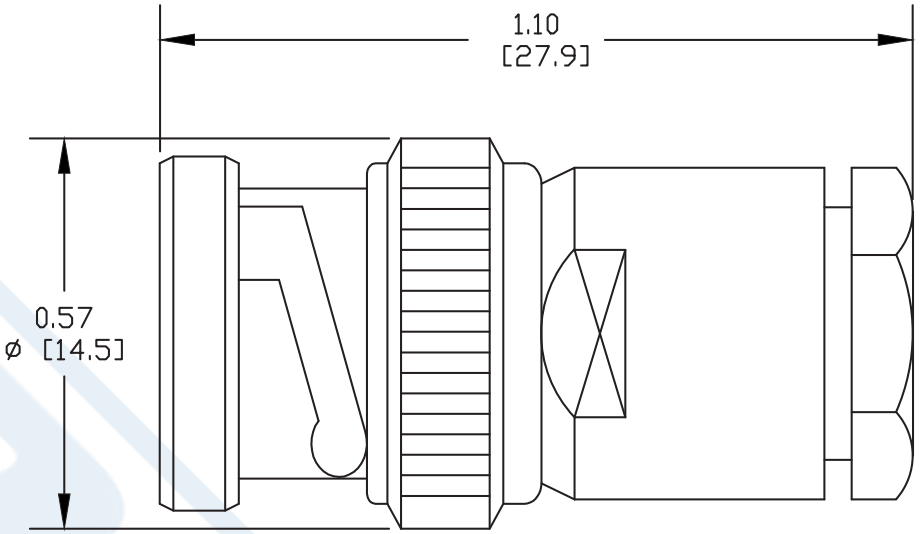
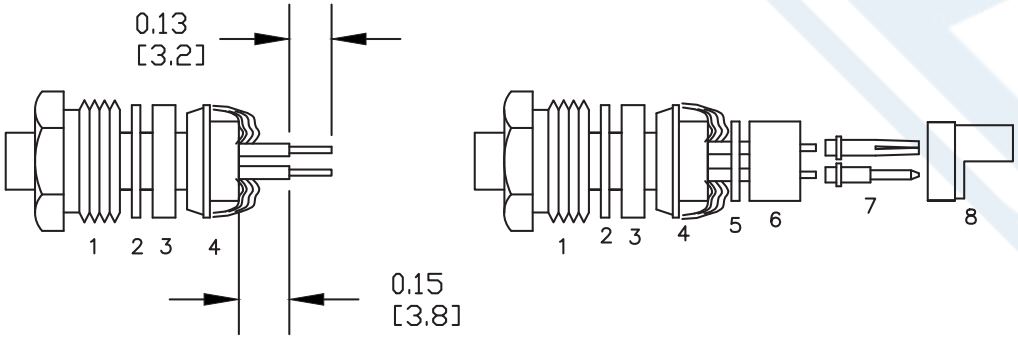
ASSEMBLY PROCEDURES

1. SLIDE CLAMP NUT (1), WASHER (2) & GASKET (3) OVER CABLE. STRIP CABLE TO DIMENSION SHOWN. DO NOT NICK BRAID & DIELECTRIC. COMB OUT BRAID. TAPER END OF BRAID TO PERMIT ASSEMBLY OF BRAID CLAMP (4) . SLIDE BRAID CLAMP (4) OVER BRAID & BUTT AGAINST JACKET. FORM BRAID OVER CLAMP NUT (4). TRIM BRAID FLUSH WITH SHOULDER OF BRAID CLAMP (4).





2. STRIP CABLE TO DIMENSION SHOWN. SLIDE SMALL WASHER (5) REAR INSULATOR (6) OVER DIELECTRICS. SOLDER CONTACTS (7) TO CENTER CONDUCTOR THROUGH HOLE IN CONTACT. CLEAN EXCESS SOLDER. SLIDE FRONT INSULATOR (8) OVER CONTACTS. SLIDE ASSEMBLY FORWARD INTO BODY & TIGHTEN.



* WHEN SOLDERING CONTACTS MAKE SURE SAME SEX IS ON BOTH ENDS OF WIRE IDENTIFIED BY THE BARE COPPER WIRE.

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DWG TITLE
PE4236

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 123005	SCALE N/A	SIZE A	127

PE4236 CAD Drawing
BNC Twinax Plug Connector Clamp/Solder Attachment for RG108, 78 Ohm Twinax

PASTERNACK
THE ENGINEER'S RF SOURCE

BNC Twinax Jack Bulkhead Mount Connector Clamp/Solder Attachment for RG108, 78 Ohm Twinax, .480 inch D Hole

RF Connectors Technical Data Sheet PE44114

Configuration

- BNC Twinax Jack Connector
- MIL-STD-348
- 78 Ohms
- Straight Body Geometry
- RG108, 78 Ohm Twinax 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 PE44114 78 ohm BNC Twinax jack bulkhead connector with clamp/solder attachment for RG108 and 78 Ohm Twinax (.480 inch D hole) is part of our full line of RF components available for same-day shipping. This BNC Twinax 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 78 ohm BNC Twinax jack bulkhead connector PE44114 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	1.25 in [31.75 mm]
Width/Dia.	0.688 in [17.48 mm]
Weight	0.047 lbs [21.32 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: BNC Twinax Jack Bulkhead Mount Connector Clamp/Solder Attachment for RG108, 78 Ohm Twinax, .480 inch D Hole PE44114

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BNC Twinax Jack Bulkhead Mount Connector Clamp/Solder Attachment for RG108, 78 Ohm Twinax, .480 inch D Hole

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

BNC Twinax Jack Bulkhead Mount Connector Clamp/Solder Attachment for RG108, 78 Ohm Twinax, .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: BNC Twinax Jack Bulkhead Mount Connector Clamp/Solder Attachment for RG108, 78 Ohm Twinax, .480 inch D Hole PE44114

URL: https://www.pasternack.com/bnc-twinax-jack-standard-rg108-78-ohm-twinax-connector-pe44114-p.aspx

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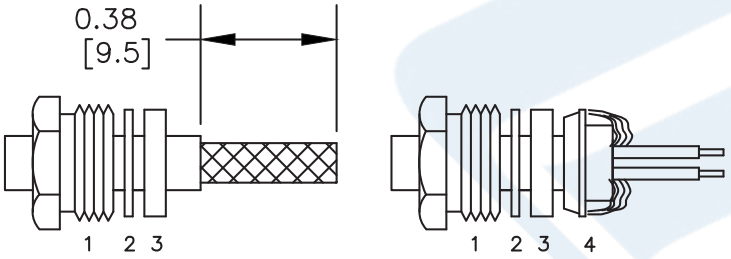
PE44114 CAD Drawing

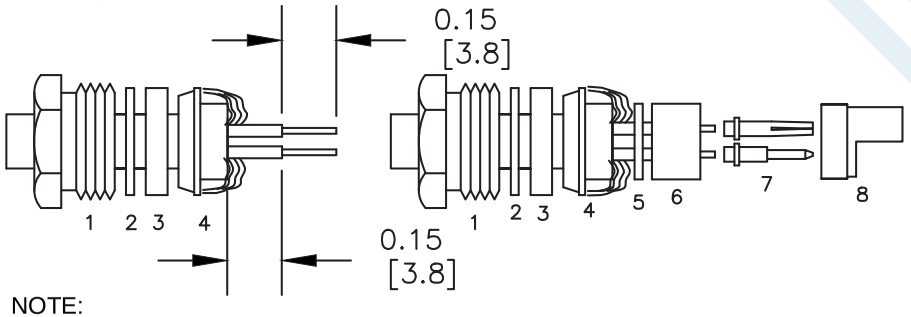
BNC Twinax Jack Bulkhead Mount Connector Clamp/Solder Attachment for RG108, 78 Ohm Twinax, .480 inch D Hole

ASSEMBLY PROCEDURES

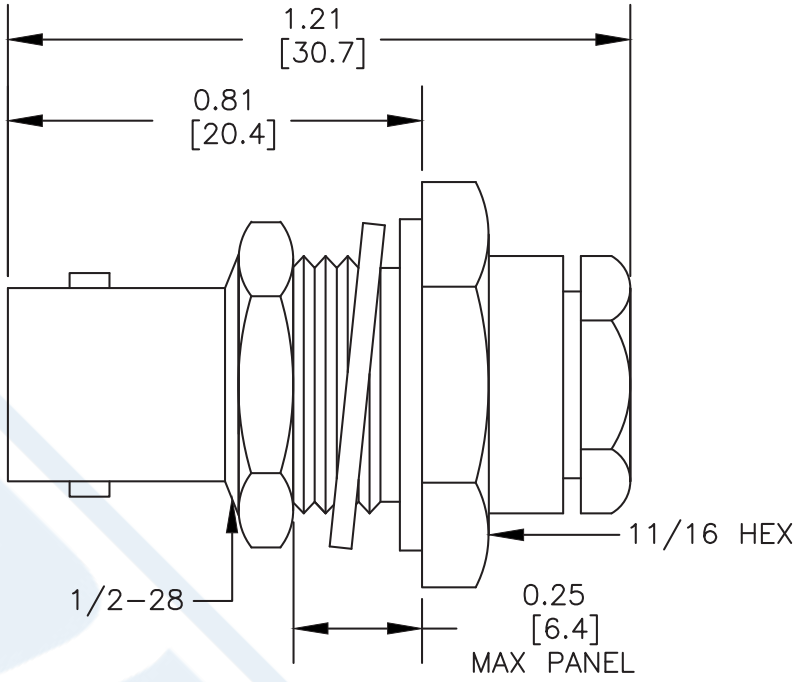
1. SLIDE CLAMP NUT (1), WASHER (2) & GASKET (3) OVER CABLE. STRIP CABLE TO DIMENSION SHOWN. DO NOT NICK BRAID & DIELECTRIC. COMB OUT BRAID. TAPER END OF BRAID TO PERMIT ASSEMBLY OF BRAID CLAMP (4) . SLIDE BRAID CLAMP (4) OVER BRAID & BUTT AGAINST JACKET. FORM BRAID OVER CLAMP NUT (4). TRIM BRAID FLUSH WITH SHOULDER OF BRAID CLAMP (4).

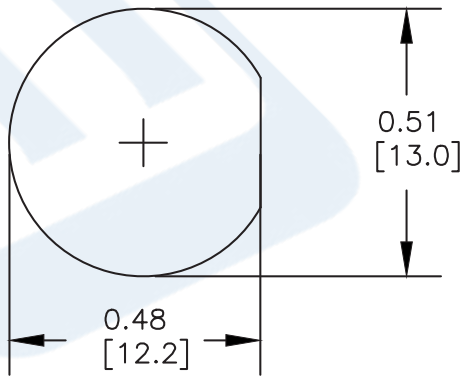


2. STRIP CABLE TO DIMENSION SHOWN. SLIDE SMALL WASHER (5) & REAR INSULATOR (6) OVER DIELECTRICS. SOLDER CONTACTS (7) TO CENTER CONDUCTOR THROUGH HOLE IN CONTACT. CLEAN EXCESS SOLDER. SLIDE FRONT INSULATOR (8) OVER CONTACTS. SLIDE ASSEMBLY FORWARD INTO BODY & TIGHTEN.



NOTE:
WHEN SOLDERING CONTACTS MAKE SURE SAME SEX IS ON BOTH ENDS OF WIRE IDENTIFIED BY THE BARE COPPER WIRE.





MOUNTING HOLE

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DWG TITLE
PE44114

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

FSCM NO. 53919	CAD FILE 042210-A	SCALE N/A	SIZE A	2233

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78 Ohm Flexible RG108 Twinax Cable Single Shielded with Black PVC Jacket

RF Cables Technical Data Sheet RG108A/U

Configuration

- Flexible Cable
- 1 Shield(s)

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		1,000	MHz
Impedance		78 ±7		Ohms
Velocity of Propagation		66		%
Nominal Capacitance		19.7 [64.63]		pF/ft [pF/m]

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	10	100	200	400	700	MHz
Attenuation, Typ	2.3	7.5	11.3	16.2	22	dB/100ft
	7.55	24.61	37.07	53.15	72.18	dB/100m

Description	F6	F7	F8	F9	F10	Units
Frequency	900	1,000				MHz
Attenuation, Typ	25.3	26.2				dB/100ft
	83.01	85.96				dB/100m

Mechanical Specifications

Diameter	0.235 in [5.97 mm]
Weight	0.038 lbs/ft [0.06 Kg/m]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper, Tin, 7 Strands	0.038 in [0.97 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: 78 Ohm Flexible RG108 Twinax Cable Single Shielded with Black PVC Jacket RG108A/U

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78 Ohm Flexible RG108 Twinax Cable Single Shielded with Black PVC Jacket

Dielectric	PE	0.079 in [2.01 mm]
First Shield	Tinned Copper Braid	0.185 in [4.7 mm]
Jacket	PVC, Black	0.235 in [5.97 mm]

Environmental Specifications

Temperature

Operating Range -40 to +80 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

78 Ohm Flexible RG108 Twinax Cable Single 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% 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: 78 Ohm Flexible RG108 Twinax Cable Single Shielded with Black PVC Jacket RG108A/U

URL: https://www.pasternack.com/78-ohm-flexible-rg108au-pvc-jacket-tinned-copper-braid-outer-conductor-single-shielded-black-rg108a-u-p.aspx

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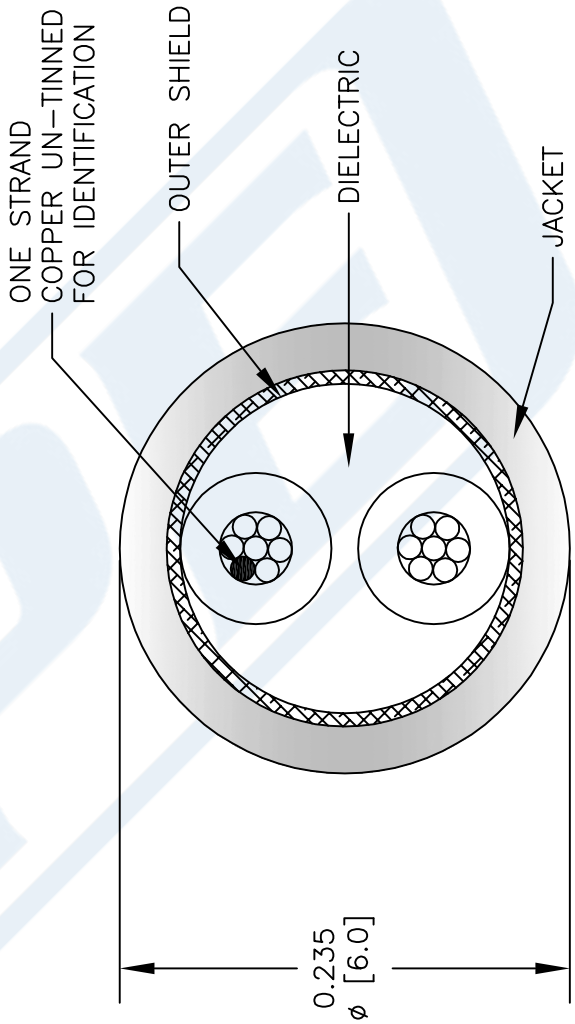
RG108A/U CAD Drawing

78 Ohm Flexible RG108 Twinax Cable Single Shielded with Black PVC Jacket



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CAD FILE	SCALE	SIZE	
100312-C	N/A	A	2233

DWG TITLE: RG108A/U

REV.	FSCM NO.
C	53919

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