



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

RF Connectors Technical Data Sheet

PE4234

**Configuration**

- BNC Twinax Plug Connector
- MIL-STD-348A
- 78 Ohms
- Straight Body Geometry
- RG108, 78 Ohm Twinax Interface Type
- Crimp/Solder Attachment

**Features**

- Max. Operating Frequency 500 MHz
- Gold Plated Brass/Beryllium Copper Contact
- 30 µm minimum contact plating

**Applications**

- General Purpose Test
- Custom Cable Assemblies

**Description**

Pasternack's PE4234 78 ohm BNC Twinax plug connector with crimp/solder attachment for RG108 and 78 Ohm Twinax is part of our full line of RF components available for same-day shipping. Our BNC Twinax plug connector operates up to a maximum frequency of 500 MHz.

Our 78 ohm BNC Twinax plug connector PE4234 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		500	MHz
Operating Voltage (AC)			500	Vrms

**Mechanical Specifications**

Size	
Length	1.522 in [38.66 mm]
Width/Dia.	0.571 in [14.50 mm]
Weight	0.045 lbs [20.41 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 Crimp/Solder Attachment for RG108, 78 Ohm Twinax PE4234](#)



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

### RF Connectors Technical Data Sheet

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#### Material Specifications

Description	Material	Plating
Contact	Brass/Beryllium Copper	Gold 30 µin minimum
Insulation	PTFE	
Body	Brass	Nickel 100 µin minimum
Coupling Nut	Brass	Nickel 100 µin minimum
Gasket	Silicone	
Crimp Sleeve	Brass	Nickel
Washer	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:

#### Assembly Instruction

BNC Twinax Plug Connector Crimp/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 99.4% availability and are part of the broadest selection in the industry.

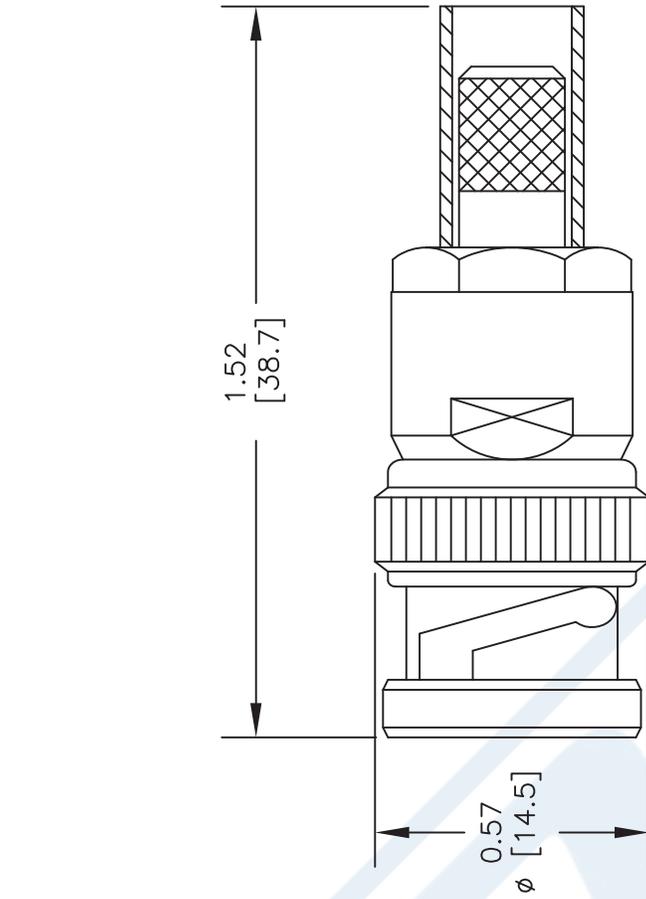
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URL: <https://www.pasternack.com/bnc-twinax-plug-standard-rg108-78-ohm-twinax-connector-pe4234-p.aspx>

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# PE4234 CAD Drawing

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



## STRIPPING DIMENSIONS

## ASSEMBLY PROCEDURES

1. SLIDE FERRULE (1) ONTO CABLE. STRIP CABLE TO DIMENSIONS SHOWN. SLIDE EXTENSION (2) BETWEEN BRAID & DIELECTRIC. SLIDE FERRULE OVER BRAID. SLIDE REAR INSULATOR (3) OVER CENTER CONDUCTORS & DIELECTRICS RESTING AGAINST EXTENSION (2).
2. SOLDER CONTACTS (4) TO CENTER CONDUCTOR THROUGH HOLE IN CONTACT. CONTACTS TO COMPLETELY REST ON DIELECTRIC (3) FOR PROPER HEIGHT. SLIDE FRONT INSULATOR (5) OVER CONTACTS.
3. SLIDE ASSEMBLY FORWARD INTO BODY & TIGHTEN. CRIMP FERRULE.

## CRIMP SIZE REQUIRED

FERRULE: .255" HEX CRIMP TOOL

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



**THE ENGINEER'S RF SOURCE**  
 Pasternack Enterprises, Inc.  
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**Website:** www.pasternack.com | **E-Mail:** sales@pasternack.com

DWG TITLE

**PE4234**

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.

FSCM NO. 53919

CAD FILE 092115

SCALE N/A

SIZE A

2233



BNC Twinax Jack Connector Crimp/Solder Attachment for RG108, 78 Ohm Twinax

RF Connectors Technical Data Sheet

PE4235

**Configuration**

- BNC Twinax Jack Connector
- MIL-STD-348
- 78 Ohms
- Straight Body Geometry
- RG108, 78 Ohm Twinax Interface Type
- Crimp/Solder Attachment

**Features**

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

**Applications**

- General Purpose Test
- Custom Cable Assemblies

**Description**

Pasternack's PE4235 78 ohm BNC Twinax jack connector with crimp/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 jack connector PE4235 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	1.6 in [40.64 mm]
Width/Dia.	0.57 in [14.48 mm]
Weight	0.041 lbs [18.6 g]

**Material Specifications**

Description	Material	Plating
Contact		Silver QQ-S-365
Insulation	PTFE	
Body	Brass	Nickel QQ-N-290

**Environmental Specifications**

**Temperature**

Operating Range	-65 to +165 deg C
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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 Connector Crimp/Solder Attachment for RG108, 78 Ohm Twinax PE4235](#)



## BNC Twinax Jack Connector Crimp/Solder Attachment for RG108, 78 Ohm Twinax

### RF Connectors Technical Data Sheet

PE4235

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

#### Plotted and Other Data

Notes:

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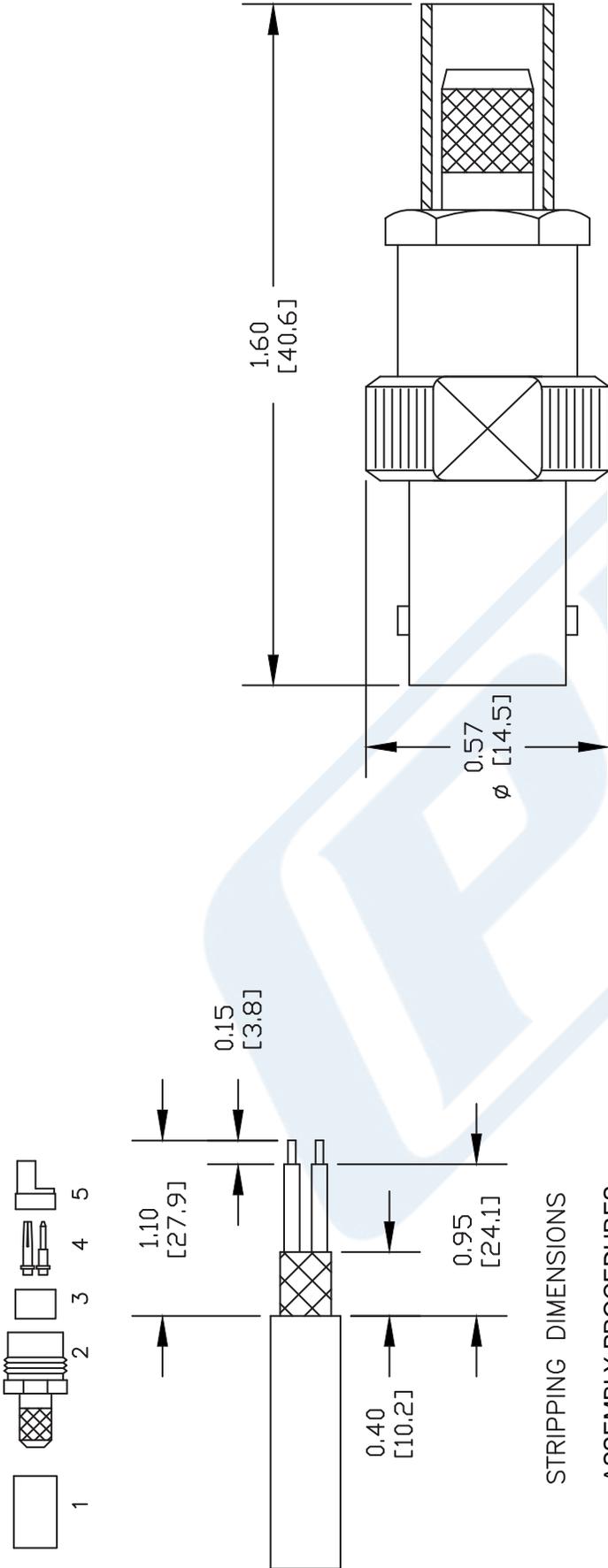
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URL: <https://www.pasternack.com/bnc-twinax-jack-standard-rg108-78-ohm-twinax-connector-pe4235-p.aspx>

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# PE4235 CAD Drawing

BNC Twinax Jack Connector Crimp/Solder Attachment for RG108, 78 Ohm Twinax



## STRIPPING DIMENSIONS

## ASSEMBLY PROCEDURES

1. SLIDE FERRULE (1) ONTO CABLE. STRIP CABLE TO DIMENSIONS SHOWN. SLIDE EXTENSION (2) BETWEEN BRAID & DIELECTRIC. SLIDE FERRULE OVER BRAID. SLIDE REAR INSULATOR (3) OVER CENTER CONDUCTORS & DIELECTRICS RESTING AGAINST EXTENSION (2).
2. SOLDER CONTACTS (4) TO CENTER CONDUCTOR THROUGH HOLE IN CONTACT. SLIDE FRONT INSULATOR (5) OVER CONTACTS.
3. SLIDE ASSEMBLY FORWARD INTO BODY & TIGHTEN. CRIMP FERRULE.

## CRIMP SIZE REQUIRED

FERRULE: .255" HEX CRIMP TOOL

\* 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

**PE4235**

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  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



# 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 dB/100m
	7.55	24.61	37.07	53.15	72.18	

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

### 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](#)



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

RF Cables Technical Data Sheet

RG108A/U

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:

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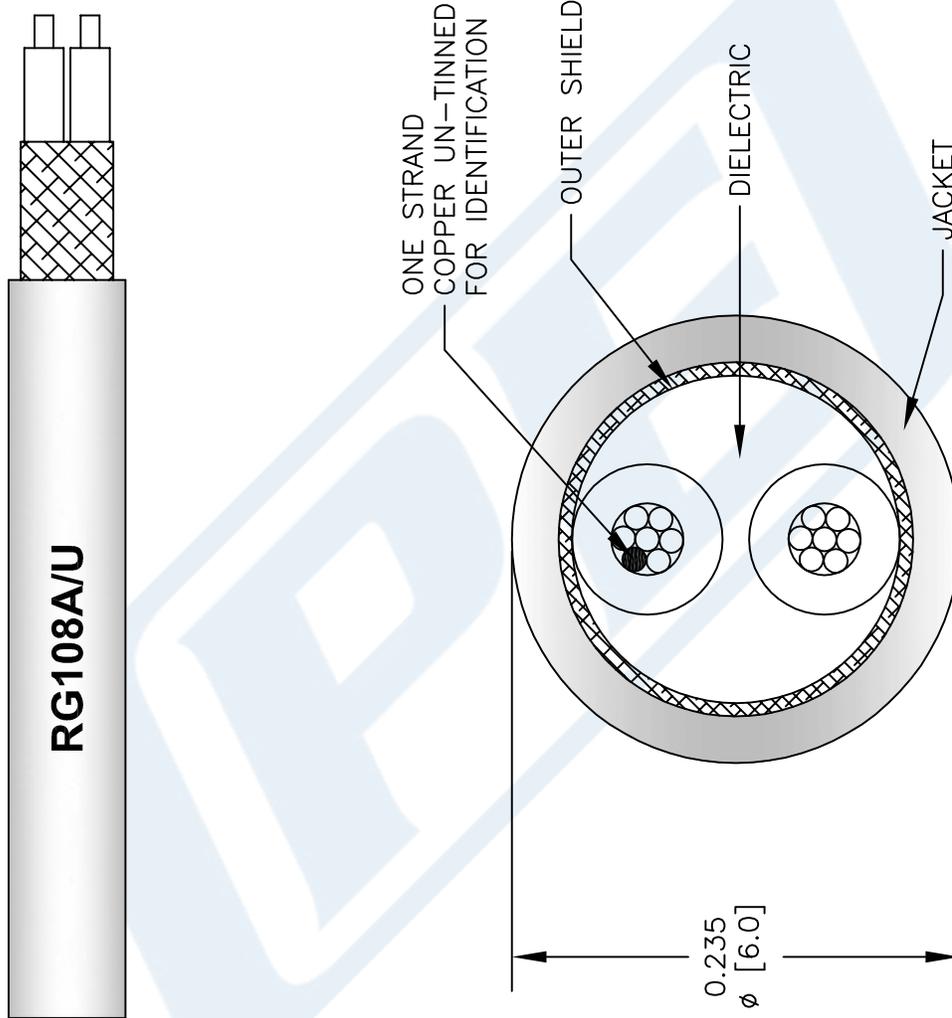
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [78 Ohm Flexible RG108 Twinax Cable Single Shielded with Black PVC Jacket RG108A/U](#)

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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DWG TITLE  
**RG108A/U**

REV. C FSCM NO. 53919

SCALE N/A

SIZE A

CAD FILE 100312-C

2233



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