



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 μ m 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](#)



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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:

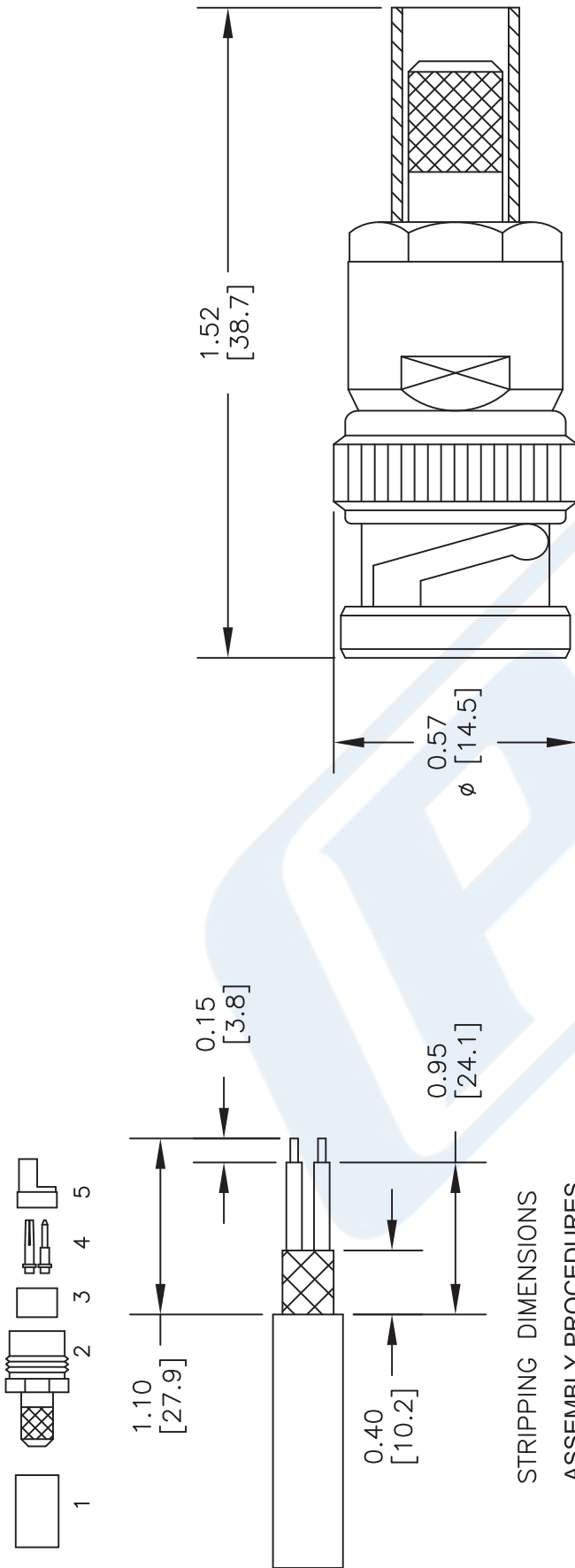
Assembly Instruction

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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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.

PE PASTERNAK
THE ENGINEER'S RF SOURCE

Pasternack Enterprises, Inc.
P.O. Box 16759 | Irvine | CA | 92623

Phone: (949) 261-1920 | Fax: (949) 261-7451

Website: www.pasternack.com | E-Mail: sales@pasternack.com

DWG TITLE

PE4234

FSCM NO. 53919

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

092115

SCALE N/A

SIZE A

2233



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Plotted and Other Data

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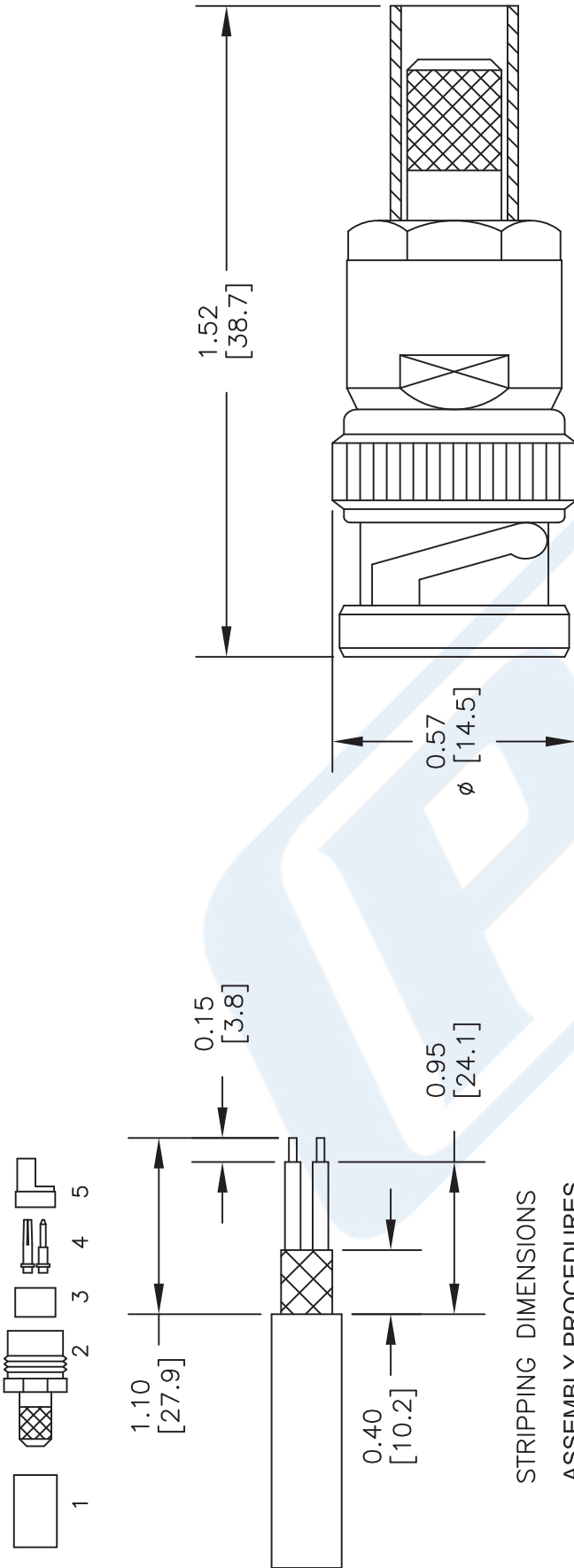
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DWG TITLE

PE4234

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FSCM NO. 53919

CAD FILE 092115

SCALE N/A

SIZE A

2233

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](#)



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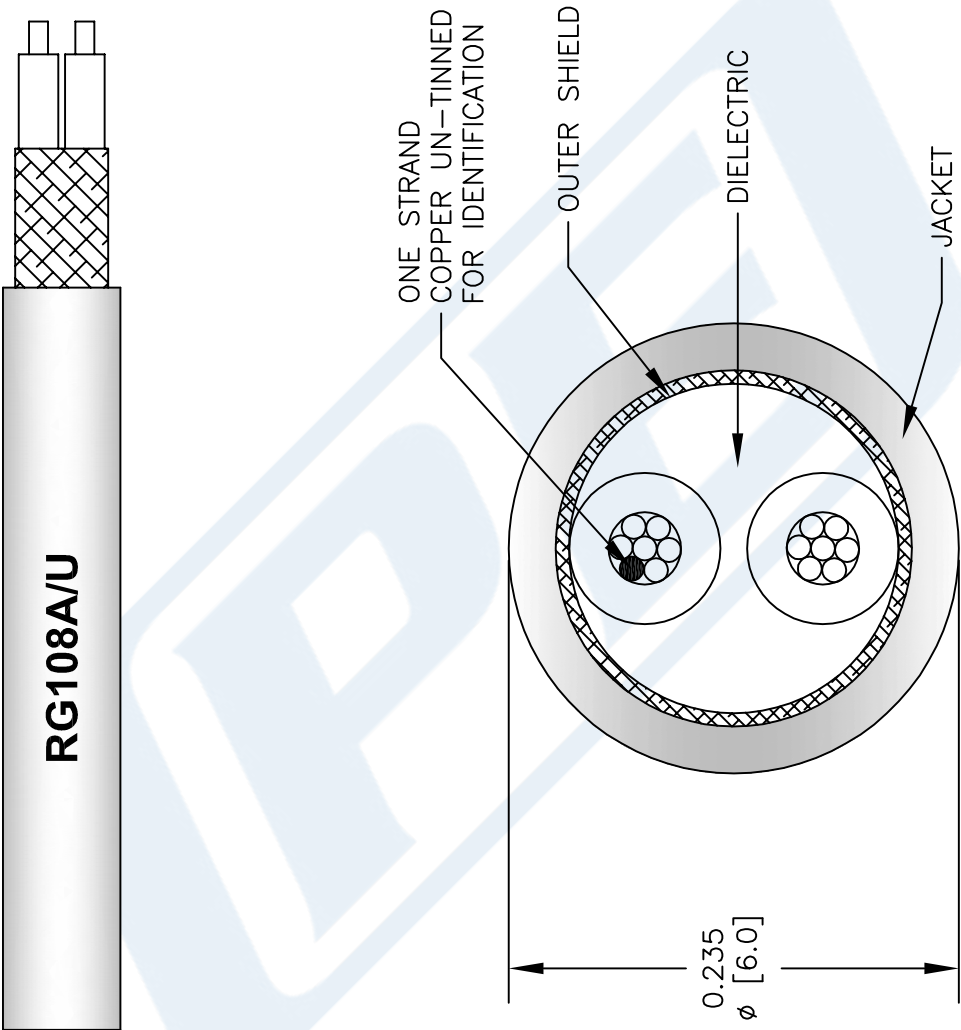
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URL: <https://www.pasternack.com/78-ohm-flexible-rg108au-pvc-jacket-tinned-copper-braid-outer-conductor-single-shielded-black-rg108a-u-p.aspx>

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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		CAD FILE		SCALE		SIZE	
RG108A/U		100312-C		N/A		A	
REV. C	FSCM NO. 53919					2233	



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