



Reverse Polarity SMA Plug to Reverse Polarity TNC Jack Bulkhead Cable Using RG178 Coax

RF Cable Assemblies Technical Data Sheet

PE3W07339

Configuration

- Connector 1: SMA Plug Reverse Polarity
- Connector 2: TNC Jack Reverse Polarity Bulkhead
- Cable Type: RG178

Features

- 70% Phase Velocity
- FEP Jacket

Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W07339 reverse polarity SMA plug to reverse polarity TNC jack bulkhead cable using RG178 coax is part of our full line of RF components available for same-day shipping. Pasternack's flexible RF cable assemblies are ideal for applications where tight bends and flexure are required. This Pasternack reverse polarity SMA to reverse polarity TNC cable assembly has a plug to jack gender configuration with 50 ohm flexible RG178 coax. Our RF cable assembly with TNC bulkhead interface 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.

Custom versions of most RF cable assemblies can be built and shipped same day. Custom cable assembly lengths can be obtained by specifying the desired length on the web site at time of order or by contacting a sales representative. Other available RF cable assembly value added services include connector orientation or clocking, heat shrink booting and custom labeling. RF testing can also be performed to document the electrical performance of your cable assembly.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Velocity of Propagation		70		%
Capacitance		29.4 [96.46]		pF/ft [pF/m]

Mechanical Specifications

Cable Assembly

Weight 0.072 lbs [32.66 g]

Cable

Cable Type RG178
Impedance 50 Ohms
Inner Conductor Type Stranded
Inner Conductor Material and Plating Copper Clad Steel, Silver
Dielectric Type PTFE

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Reverse Polarity SMA Plug to Reverse Polarity TNC Jack Bulkhead Cable Using RG178 Coax PE3W07339](#)



Reverse Polarity SMA Plug to Reverse Polarity TNC Jack Bulkhead Cable Using RG178 Coax

RF Cable Assemblies Technical Data Sheet

PE3W07339

Number of Shields	1
Shield Layer 1	Silver Plated Copper Braid
Jacket Material	FEP, Tan
Jacket Diameter	0.072 in [1.83 mm]
Repeated Minimum Bend Radius	0.4 in [10.16 mm]

Connectors

Description	Connector 1	Connector 2
Type	SMA Plug Reverse Polarity	TNC Jack Reverse Polarity Bulkhead
Impedance	50 Ohms	50 Ohms
Contact Material and Plating		Brass, Gold
Contact Plating Specification		30μ in. minimum
Dielectric Type		PTFE
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification		100μ in. minimum

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

Plotted and Other Data

Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Reverse Polarity SMA Plug to Reverse Polarity TNC Jack Bulkhead Cable Using RG178 Coax PE3W07339](#)



Reverse Polarity SMA Plug to Reverse Polarity TNC Jack Bulkhead Cable Using RG178 Coax

RF Cable Assemblies Technical Data Sheet

PE3W07339

How to Order

Part Number Configuration:

PE3W07339

- **xx**

uu

Unit of Measure:
cm = Centimeters
<blank> = Inches
Length
Base Number

Example: PE3W07339-12 = 12 inches long cable
PE3W07339-100cm = 100 cm long cable

Reverse Polarity SMA Plug to Reverse Polarity TNC Jack Bulkhead Cable Using RG178 Coax 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.

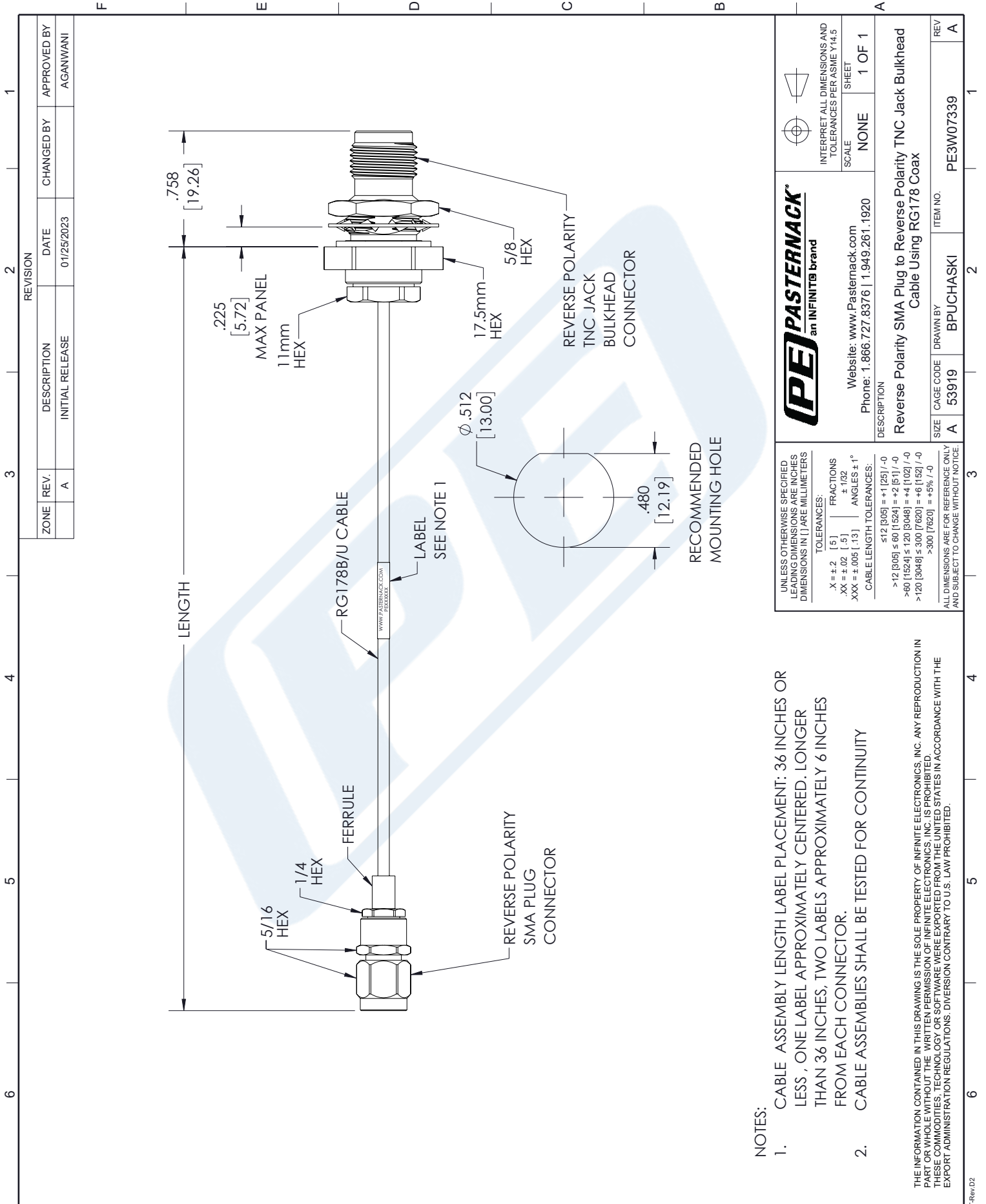
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Reverse Polarity SMA Plug to Reverse Polarity TNC Jack Bulkhead Cable Using RG178 Coax PE3W07339](https://www.pasternack.com/reverse-polarity-sma-plug-to-reverse-polarity-tnc-jack-bulkhead-cable-using-rg178-pe3w07339)

URL: <https://www.pasternack.com/reverse-polarity-sma-plug-to-reverse-polarity-tnc-jack-bulkhead-cable-using-rg178-pe3w07339-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.

PE3W07339 CAD Drawing

Reverse Polarity SMA Plug to Reverse Polarity TNC
Jack Bulkhead Cable Using RG178 Coax



NOTES:

- CABLE ASSEMBLY LENGTH LABEL PLACEMENT: 36 INCHES OR LESS, ONE LABEL APPROXIMATELY CENTERED. LONGER THAN 36 INCHES, TWO LABELS APPROXIMATELY 6 INCHES FROM EACH CONNECTOR.
- CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INFINITE ELECTRONICS, INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF INFINITE ELECTRONICS, INC. IS PROHIBITED. THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS	
TOLERANCES:	
X = ±.2 [5]	FRACTIONS XX = ±.02 [.5] ± 1/32
XXX = ±.005 [.13]	ANGLES ± 1°
CABLE LENGTH TOLERANCES:	
≤ 12 [305] = ±1 [25] / -0	
> 12 [305] ≤ 60 [1524] = +2 [51] / -0	
> 60 [1524] ≤ 120 [3048] = +4 [102] / -0	
> 120 [3048] ≤ 300 [7620] = +6 [152] / -0	
> 300 [7620] = +5% / -0	
ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE.	

PE PASTERNAK an INFINITO brand	
Website: www.Pasternack.com Phone: 1.866.727.8376 1.949.261.1920	
INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	SCALE NONE
SHEET 1 OF 1	
DESCRIPTION Reverse Polarity SMA Plug to Reverse Polarity TNC Jack Bulkhead Cable Using RG178 Coax	
SIZE A	CAGE CODE 53919
REV A	ITEM NO. PE3W07339