



## Banana Plug to Reverse Polarity SMA Plug Cable Using RG188-DS Coax

### RF Cable Assemblies Technical Data Sheet

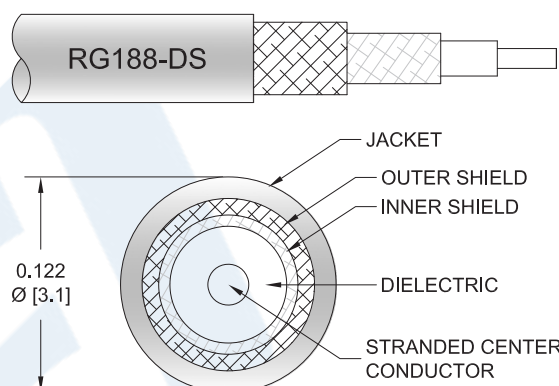
**PE3W10674**

#### Configuration

- Connector 1: Banana Plug
- Connector 2: SMA Plug Reverse Polarity
- Cable Type: RG188-DS

#### Features

- Double Shielded
- PTFE Jacket



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3W10674 Banana plug to 50 ohm reverse polarity SMA plug cable using RG188-DS 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 Banana to reverse polarity SMA cable assembly has a plug to plug gender configuration with 50 ohm flexible RG188-DS coax. The double shielding of this Pasternack cable assembly provides excellent shielding effectiveness.

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        |
|-------------|---------|-------------|---------|--------------|
| Capacitance |         | 32 [104.99] |         | pF/ft [pF/m] |

#### Mechanical Specifications

##### Cable Assembly

Weight 0.063 lbs [28.58 g]

##### Cable

Cable Type RG188-DS

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Banana Plug to Reverse Polarity SMA Plug Cable Using RG188-DS Coax PE3W10674](#)



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|                                      |                            |
|--------------------------------------|----------------------------|
| Impedance                            | 50 Ohms                    |
| Inner Conductor Type                 | Stranded                   |
| Inner Conductor Material and Plating | Copper Clad Steel, Silver  |
| Dielectric Type                      | PTFE                       |
| Number of Shields                    | 2                          |
| Shield Layer 1                       | Silver Plated Copper Braid |
| Shield Layer 2                       | Silver Plated Copper Braid |
| Jacket Material                      | PTFE, White                |
| Jacket Diameter                      | 0.118 in [3 mm]            |

#### Connectors

| Description                       | Connector 1   | Connector 2               |
|-----------------------------------|---------------|---------------------------|
| Type                              | Banana Plug   | SMA Plug Reverse Polarity |
| Impedance                         | 0 Ohms        | 50 Ohms                   |
| Contact Material and Plating      | Brass, Nickel | Gold                      |
| Dielectric Type                   | ABS           | PTFE                      |
| Body Material and Plating         | Brass, Nickel | Brass, Nickel             |
| Coupling Nut Material and Plating |               | Brass, Nickel             |
| Hex Size                          |               | 5/16 in                   |
| Torque                            |               | 5 in-lbs [0.57 Nm]        |

**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: [Banana Plug to Reverse Polarity SMA Plug Cable Using RG188-DS Coax PE3W10674](#)



## Banana Plug to Reverse Polarity SMA Plug Cable Using RG188-DS Coax

### RF Cable Assemblies Technical Data Sheet

**PE3W10674**

#### How to Order

Part Number Configuration:

**PE3W10674**

- **xx**

**uu**

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

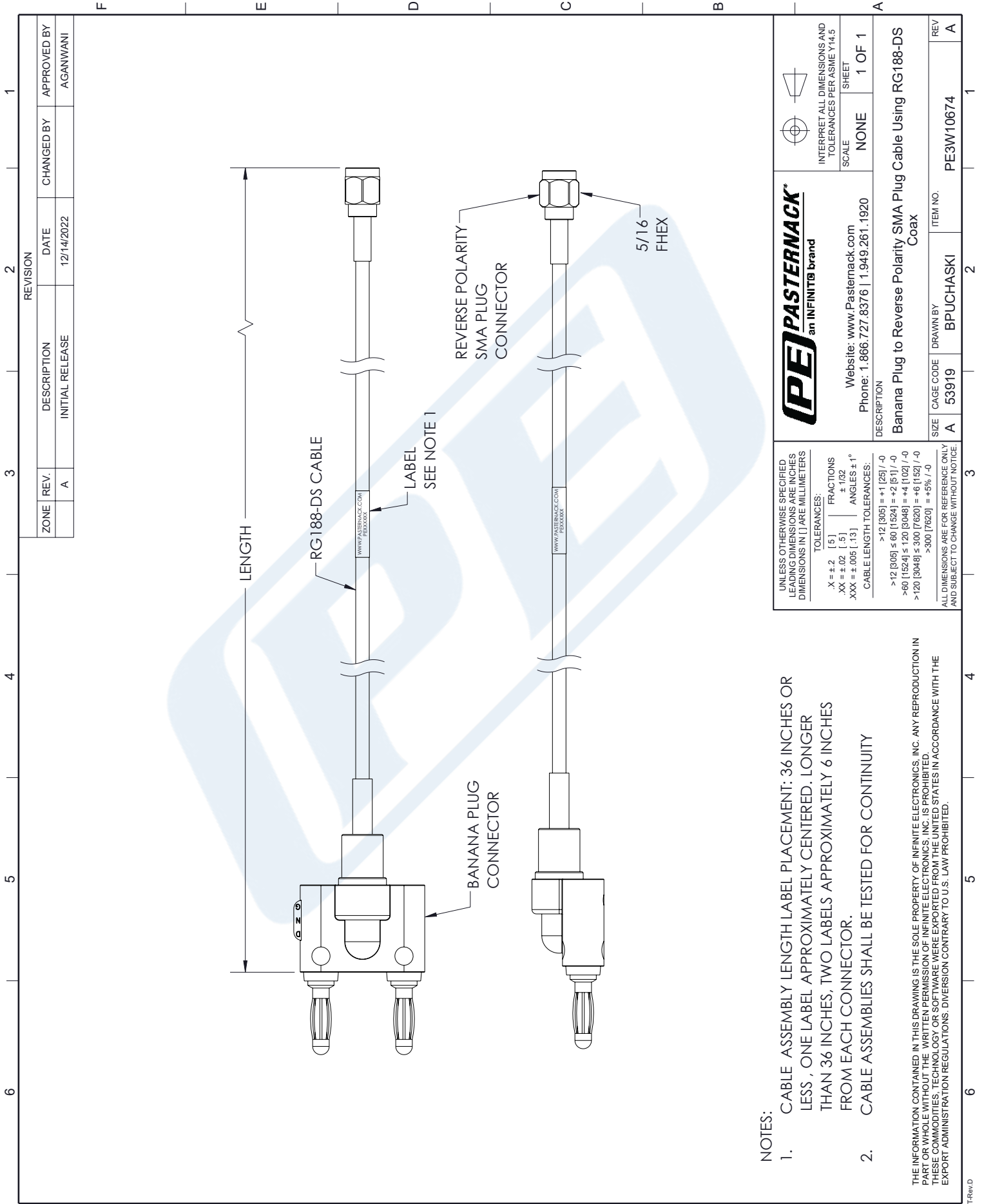
Example: PE3W10674-12 = 12 inches long cable  
PE3W10674-100cm = 100 cm long cable

Banana Plug to Reverse Polarity SMA Plug Cable Using RG188-DS 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: [Banana Plug to Reverse Polarity SMA Plug Cable Using RG188-DS Coax PE3W10674](https://www.pasternack.com/banana-plug-to-reverse-polarity-sma-plug-cable-using-rg188-ds-pe3w10674-p.aspx)

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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.



### NOTES:

1. 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.
2. CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY

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|                                                                                                                                        |                    |                                                                                                                                               |                       |
|----------------------------------------------------------------------------------------------------------------------------------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
|  <b>PASTERNAK</b><br>an INFINITI <sup>®</sup> brand |                    | <br>INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 |                       |
| Website: <a href="http://www.Pasternack.com">www.Pasternack.com</a><br>Phone: 1.866.727.8376   1.949.261.1920                          |                    | SCALE<br>NONE                                                                                                                                 | SHEET<br>1 OF 1       |
| DESCRIPTION<br>Banana Plug to Reverse Polarity SMA Plug Cable Using RG188-DS Coax                                                      |                    |                                                                                                                                               |                       |
| SIZE<br>A                                                                                                                              | CAGE CODE<br>53919 | DRAWN BY<br>BPUCHASKI                                                                                                                         | ITEM NO.<br>PE3W10674 |
|                                                                                                                                        |                    | REV<br>A                                                                                                                                      |                       |

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

TOLERANCES:

|             |       |             |
|-------------|-------|-------------|
| X = ±.2     | [.5]  | FRACTIONS   |
| .XX = ±.02  | [.13] | ± 1/32      |
| XXX = ±.005 | [.13] | ANGLES ± 1° |

CABLE LENGTH TOLERANCES:

|             |              |                 |
|-------------|--------------|-----------------|
| >12 [305]   | ±.1 [25]     | / -0            |
| >12 [305]   | ±.06 [1.524] | ±.2 [5.1] / -0  |
| >60 [1524]  | ±.12 [3.048] | ±.4 [10.2] / -0 |
| >120 [3048] | ±.30 [7.62]  | ±.6 [15.2] / -0 |
| >300 [7620] | ±.5%         | / -0            |

ALL DIMENSIONS ARE FOR REFERENCE ONLY  
AND SUBJECT TO CHANGE WITHOUT NOTICE.