



## N Female Connector Crimp/Solder Attachment 4 Hole Flange Mount for RG316, RG174, LMR-100, IP67 Rated

### RF Connectors Technical Data Sheet

PE45133

#### Configuration

- N Female Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: RG316, RG174, LMR-100
- 4 Hole Flange

#### Features

- Max. Operating Frequency 3 GHz
- Good VSWR of 1.3:1
- Gold Plated Brass Contact

#### Applications

- General Purpose Test
- Rack and Panel Mount Applications
- Custom Cable Assemblies

#### Description

Pasternack's PE45133 type N female 4 hole flange mount connector with crimp/solder attachment for RG316, RG174 and LMR-100 is part of our full line of RF components available for same-day shipping. Our type N female connector operates up to a maximum frequency of 3 GHz and offers good VSWR of 1.3:1. This type N 4 hole flange 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 type N female 4 hole flange connector PE45133 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      |         | 3       | GHz   |
| VSWR                   |         |         | 1.3:1   |       |
| Operating Voltage (AC) |         |         | 335     | Vrms  |

#### Mechanical Specifications

|             |                     |
|-------------|---------------------|
| <b>Size</b> |                     |
| Length      | 1.05 in [26.67 mm]  |
| Width/Dia.  | 0.89 in [22.61 mm]  |
| Weight      | 0.047 lbs [21.32 g] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Female Connector Crimp/Solder Attachment 4 Hole Flange Mount for RG316, RG174, LMR-100, IP67 Rated PE45133](#)



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#### Material Specifications

| Description | Material | Plating                    |
|-------------|----------|----------------------------|
| Contact     | Brass    | Gold                       |
| Insulation  | Teflon   |                            |
| Body        | Brass    | Nickel<br>100μ in. minimum |

#### Environmental Specifications

##### Temperature

Operating Range

-20 to +80 deg C

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

#### Plotted and Other Data

Notes:

N Female Connector Crimp/Solder Attachment 4 Hole Flange Mount for RG316, RG174, LMR-100, IP67 Rated 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: [N Female Connector Crimp/Solder Attachment 4 Hole Flange Mount for RG316, RG174, LMR-100, IP67 Rated PE45133](#)

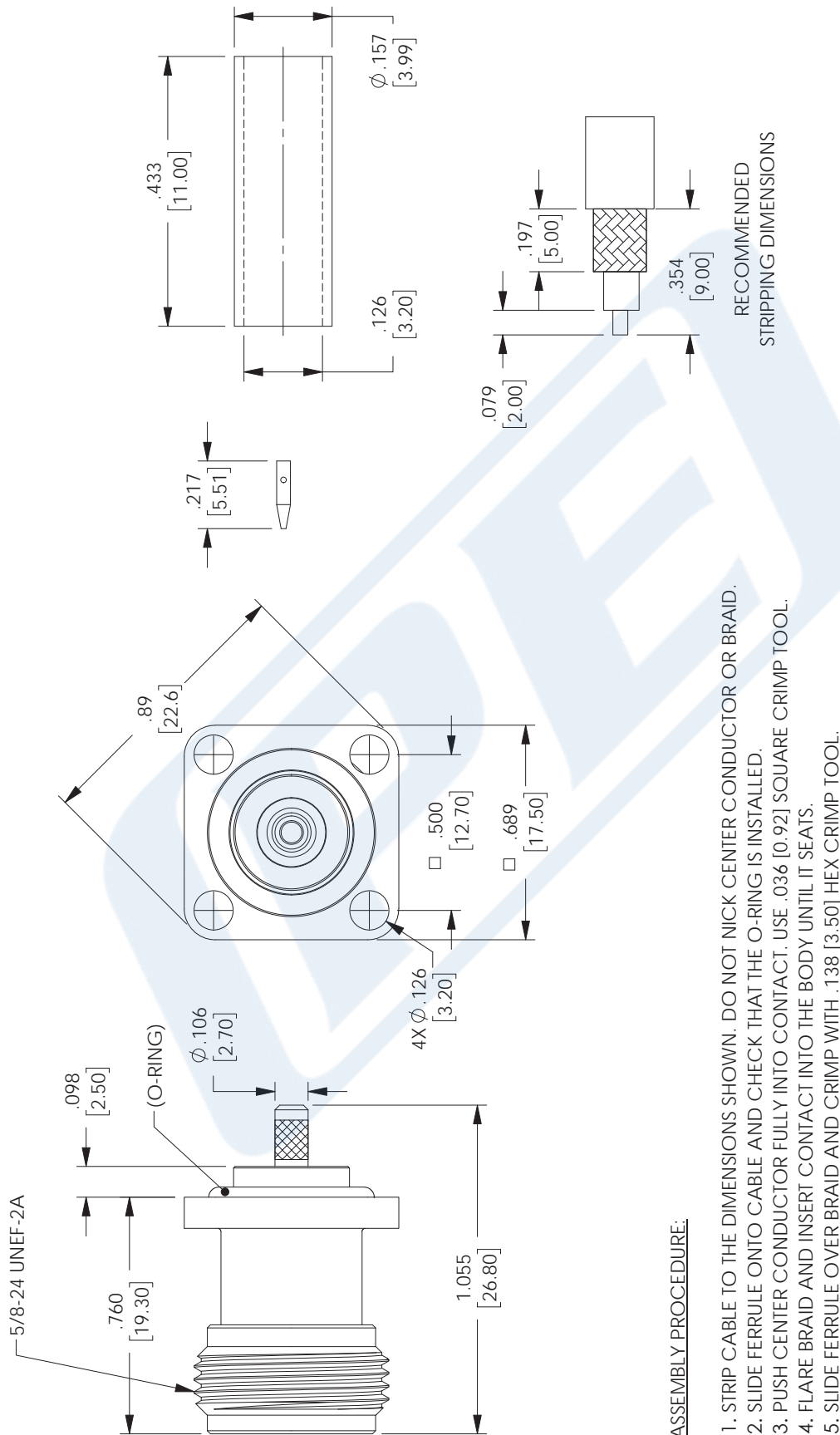
URL: <https://www.pasternack.com/n-female-rg316-rg174-lmr-100-connector-pe45133-p.aspx>

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.

# PE45133 CAD Drawing

N Female Connector Crimp/Solder Attachment 4 Hole Flange  
Mount for RG316, RG174, LMR-100, IP67 Rated

| REVISIONS |                 |            |          |
|-----------|-----------------|------------|----------|
| REV.      | DESCRIPTION     | DATE       | APPROVED |
| B         | INITIAL RELEASE | 06/01/2021 | SELLIS   |



## ASSEMBLY PROCEDURE:

1. STRIP CABLE TO THE DIMENSIONS SHOWN. DO NOT NICK CENTER CONDUCTOR OR BRAID.
2. SLIDE FERRULE ONTO CABLE AND CHECK THAT THE O-RING IS INSTALLED.
3. PUSH CENTER CONDUCTOR FULLY INTO CONTACT. USE .036 [0.92] SQUARE CRIMP TOOL.
4. FLARE BRAID AND INSERT CONTACT INTO THE BODY UNTIL IT SEATS.
5. SLIDE FERRULE OVER BRAID AND CRIMP WITH .138 [3.50] HEX CRIMP TOOL.

|  |                |
|--|----------------|
| UNLESS OTHERWISE SPECIFIED<br>LEADING DIMENSIONS ARE IN INCHES<br>DIMENSIONS IN [ ] ARE IN MILLIMETERS |                |
| TOLERANCES:  | FRACTIONS      |
| X = +.2  | [.008]         |
| XX = +.02  | [.51]          |
| XXX = ±.005  | [.13]          |
| CABLE LENGTH (L) TOLERANCES:   |                |
| L ≤ 12 [305]   | ±.1 [25] / -0  |
| 12 [305] < L ≤ 60 [1524]   | ±.2 [51] / -0  |
| 60 [1524] < L ≤ 120 [3048]   | ±.4 [102] / -0 |
| 120 [3048] < L ≤ 300 [7620]  | ±.6 [152] / -0 |
| 300 [7620] < L = +5% / -0  |                |
| ALL DIMENSIONS SHOWN<br>ARE FOR REFERENCE ONLY.  |                |

|   |            |
|---|------------|
| THIRD-ANGLE PROJECTION  |            |
| THE INFORMATION AND<br>DESIGN IN THIS DOCUMENT<br>IS THE PROPERTY OF<br>PASTERNAK CORPORATION<br>ALL RIGHTS RESERVED. |            |
| SHEET   | 1 OF 1     |
| SCALE   | N/A        |
| REV   | B          |
| SIZE  | A          |
| CAGE CODE   | 53919      |
| DRAWN BY  | DFRISIELLO |
| ITEM NO.  | PE45133    |

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