

SMA Male Connector Crimp/Solder Attachment for RG188-DS, RG316-DS



RF Connectors Technical Data Sheet

PE4401

Configuration

- SMA Male Connector
- MIL-STD-348A
- •50 Ohms
- Straight Body Geometry

Features

- Max. Operating Frequency 12.4 GHz
- Excellent VSWR of 1.21:1

- RG188-DS, RG316-DS Interface Type
- Crimp/Solder Attachment

Gold Plated Brass Contact

• 30 µin minimum contact plating

• 5/16 inch Hex

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4401 SMA male connector with crimp/solder attachment for RG188-DS and RG316-DS is part of our full line of RF components available for same-day shipping. Our SMA male connector operates up to a maximum frequency of 12.4 GHz and offers excellent VSWR of 1.21:1.

Our SMA male connector PE4401 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		12.4	GHz
VSWR			1.21:1	
Operating Voltage (AC)			335	Vrms

Mechanical Specifications

Size

 Length
 0.874 in [22.2 mm]

 Width/Dia.
 0.315 in [8.00 mm]

 Weight
 0.013 lbs [5.9 g]

Mating Torque 3 to 5 in-lbs [0.34 to 0.57 Nm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SMA Male Connector Crimp/Solder Attachment for RG188-DS, RG316-DS PE4401

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623 **Phone:** (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451

Sales@Pasternack.com • Techsupport@Pasternack.com



SMA Male Connector Crimp/Solder Attachment for RG188-DS, RG316-DS



RF Connectors Technical Data Sheet

PE4401

Material Specifications

Material	Plating	
Brass	Gold 30 µin minimum	
PTFE		
Brass	Nickel 100 μin minimum	
Brass	Nickel 100 μin minimum	
Brass	Nickel	
	Brass PTFE Brass Brass	

Environmental Specifications

Temperature

Operating Range

-65 to +165 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

SMA Male Connector Crimp/Solder Attachment for RG188-DS, RG316-DS from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% 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: SMA Male Connector Crimp/Solder Attachment for RG188-DS, RG316-DS PE4401

URL: https://www.pasternack.com/sma-male-standard-rg188-ds-rg316-ds-connector-pe4401-p.aspx

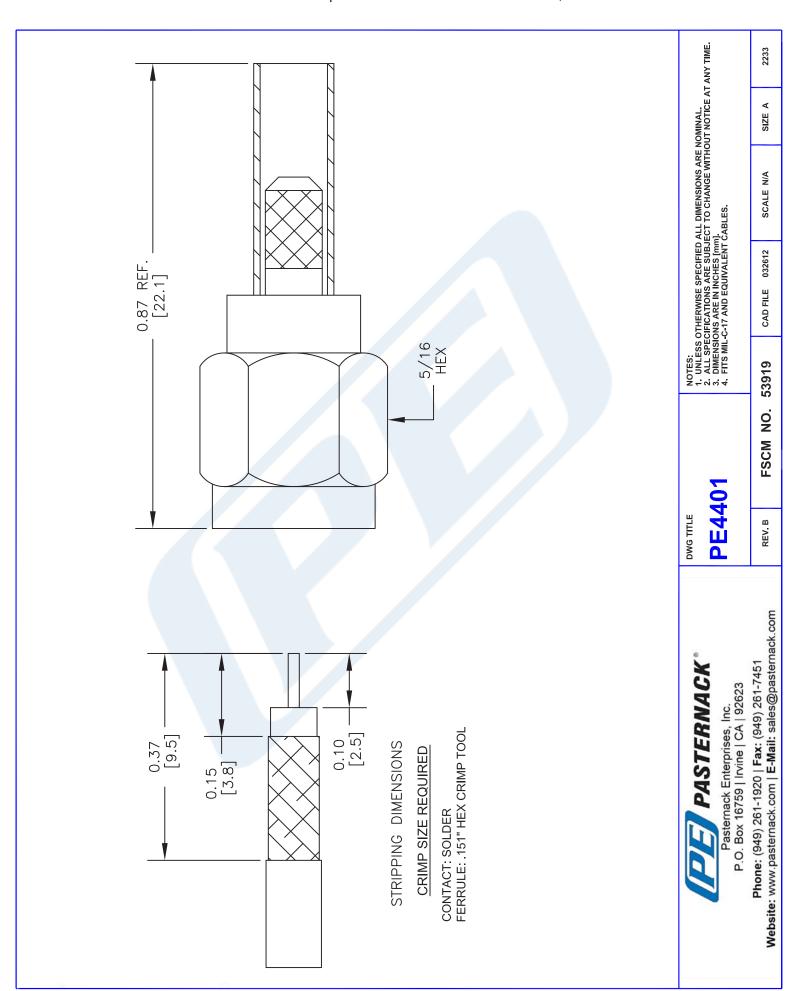
The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such 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.

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623 **Phone:** (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451

Sales@Pasternack.com • Techsupport@Pasternack.com

PE4401 CAD Drawing

SMA Male Connector Crimp/Solder Attachment for RG188-DS, RG316-DS





Banana Plug Connector Crimp/Solder Attachment for RG188-DS, RG316-DS

TECHNICAL DATA SHEET

PE45164

Configuration

Connector Connector Interface Type Attachment Method (Shield/Contact)

Body Style

Banana Plug RG188-DS, RG316-DS Crimp/Solder Straight

Electrical Specifications

Impedance

0 Ohms

Mechanical Specifications

Size

 Length
 2.54 in [64.52 mm]

 Width/Dia.
 1.175 in [29.85 mm]

 Height
 0.65 in [16.51 mm]

 Weight
 0.041 lbs [18.6 g]

Connector

Type Banana Plug
Contact Material and Plating Brass, Nickel
Body Material and Plating Brass, Nickel
Dielectric Type ABS

Compliance Certifications (visit www.Pasternack.com for current document) Not RoHS Compliant

Plotted and Other Data

Notes:

• Values at +25 °C, sea level

Banana Plug Connector Crimp/Solder Attachment for RG188-DS, RG316-DS from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% 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 Connector Crimp/Solder Attachment for RG188-DS, RG316-DS PE45164

URL: http://www.pasternack.com/banana-plug-rg188-ds-rg316-ds-connector-pe45164-p.aspx

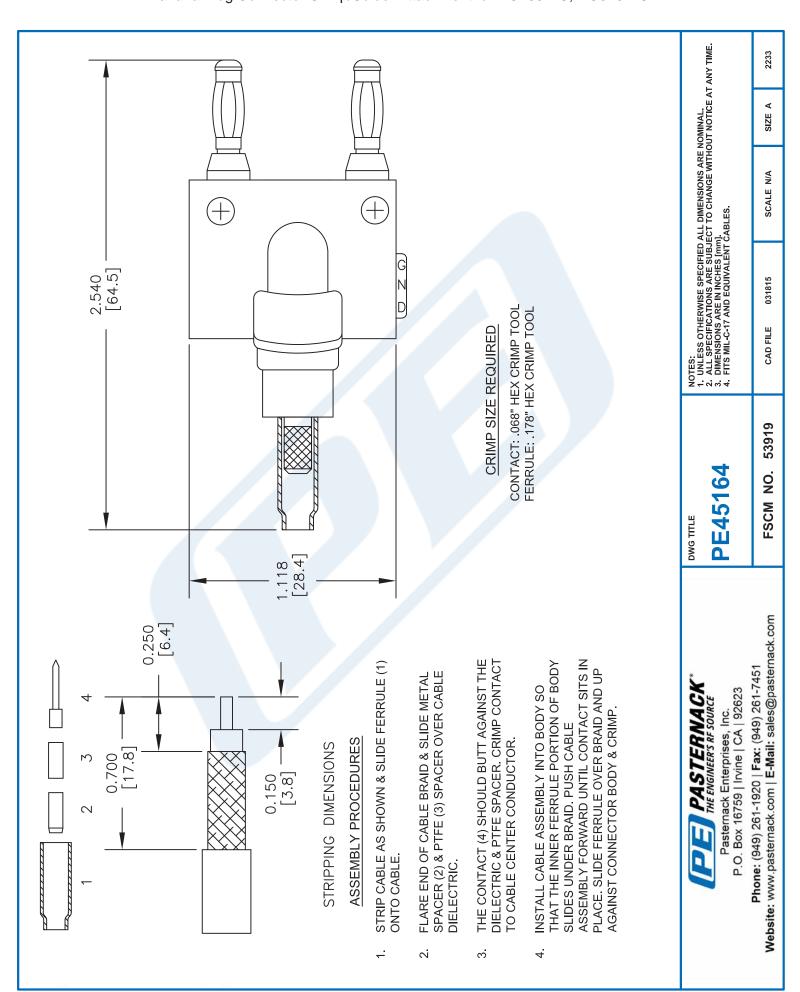
The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such 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.

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623 Phone: (866) 727-8376 or (949) 261-1920 • Fax: (949) 261-7451

Sales@Pasternack.com • Techsupport@Pasternack.com

PE45164 CAD Drawing

Banana Plug Connector Crimp/Solder Attachment for RG188-DS, RG316-DS







Flexible RG316 Coax Cable Double Shielded with Tan FEP Jacket

TECHNICAL DATA SHEET

RG316-DS

Flexible RG316 Coax Cable Double Shielded with Tan FEP Jacket

Configuration

Inner Conductor Material and Plating Copper Clad Steel, Silver

Dielectric Type PTFE

Shield Materials Silver Plated Copper Braid, Silver Plated Copper Braid

Jacket Material and Color FEP, Tan

Electrical Specifications

Impedance, Ohms 50
Velocity of Propagation, % 70

Maximum Operating Frequency, GHz 3
Capacitance, pF/ft [pF/m] 29.4 [96.46]

Capacitance, pF/π [pF/m] 29.4 [96.4t Maximum Operating Voltage, Volts 1,200

Electrical Specifications by Frequency

Frequency 1

Frequency, MHz 100 Attenuation, dB/100ft [dB/100m] 8 [26.25]

Frequency 2

Frequency, MHz 400

Attenuation, dB/100ft [dB/100m] 16.2 [53.15]

Frequency 3

Frequency, MHz 1000

Attenuation, dB/100ft [dB/100m] 26.1 [85.63]

Frequency 4

Frequency, GHz 3

Attenuation, dB/100ft [dB/100m] 46.7 [153.22]

Mechanical Specifications

Temperature

Operating Range, deg C -55 to +200

Inner Conductor

Number of Strands

Material Copper Clad Steel

Plating Silver Diameter, in [mm] 0.02 [0.51]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Flexible RG316 Coax Cable Double Shielded with Tan FEP Jacket RG316-DS

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 Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623 **Phone:** (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451 Sales@Pasternack.com • Techsupport@Pasternack.com





Flexible RG316 Coax Cable Double Shielded with Tan FEP Jacket

TECHNICAL DATA SHEET

RG316-DS

Dielectric:

Type PTFE
Diameter, in [mm] 0.06 [1.52]

Shield:

Number of 2

Material 1 Silver Plated Copper Braid Material 2 Silver Plated Copper Braid

Diameter, in [mm] 0.096 [2.44]

Jacket:

 Material
 FEP

 Diameter, in [mm]
 0.114 [2.9]

 Color
 Tan

 One Time Minimum Bend Radius, in [mm]
 0.59 [14.99]

 Weight, lbs/ft [Kg/m]
 0.016 [0.02]

Compliance Certifications (visit www.Pasternack.com for current document)

RoHS Compliant Yes

Plotted and Other Data

Notes: Values at 25 °C, sea level

Flexible RG316 Coax Cable Double Shielded with Tan FEP Jacket from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% 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: Flexible RG316 Coax Cable Double Shielded with Tan FEP Jacket RG316-DS

URL: http://www.pasternack.com/flexible-0.114-rg316-ds-50-ohm-coax-cable-fep-jacket-rg316-ds-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.

RG316-DS CAD Drawing
Flexible RG316 Coax Cable Double Shielded with Tan FEP Jacket

