SMA Male Connector Crimp/Solder Attachment
for RG174, RG316, RG188 Gold Plated

RF Connectors Technical Data Sheet   PE45145

Configuration

- SMA Male Connector
- 50 Ohms
- Straight Body Geometry

- RG174, RG316, RG188 Interface Type
- Crimp/Solder Attachment
- 5/16 in Hex

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		12.4	GHz

Mechanical Specifications

Size
Length	0.654 in [16.61 mm]
Weight	0.01 lbs [4.54 g]
Mating Torque	5 in-lbs [0.57 Nm]

Material Specifications

Description	Material	Plating
Contact	Brass	Gold
Insulation	PTFE	
Body	Brass	Gold
Coupling Nut	Brass	Gold

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 RG174, RG316, RG188 Gold Plated PE45145

SMA Male Connector Crimp/Solder Attachment
for RG174, RG316, RG188 Gold Plated

RF Connectors Technical Data Sheet   PE45145

Compliance Certifications (see product page for current document)

Plotted and Other Data
   Notes:

SMA Male Connector Crimp/Solder Attachment for RG174, RG316, RG188 Gold Plated 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.
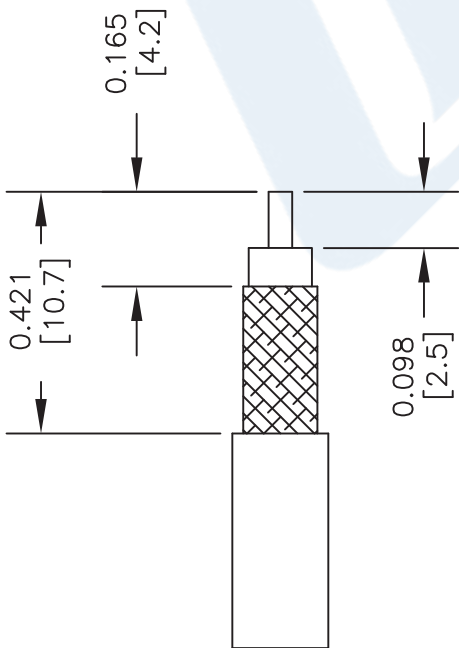
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: SMA Male Connector Crimp/Solder Attachment for RG174, RG316, RG188 Gold Plated PE45145

URL: https://www.pasternack.com/sma-male-rg174-rg316-rg188-connector-pe45145-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.

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PE45145 CAD Drawing
SMA Male Connector Crimp/Solder Attachment for RG174, RG316, RG188 Gold Plated

0.067 Ø [1.7]

0.106 Ø [2.7]

0.126 Ø [3.2]

0.154 Ø [3.9]

FERRULE

5/16 HEX

0.654 [16.6]
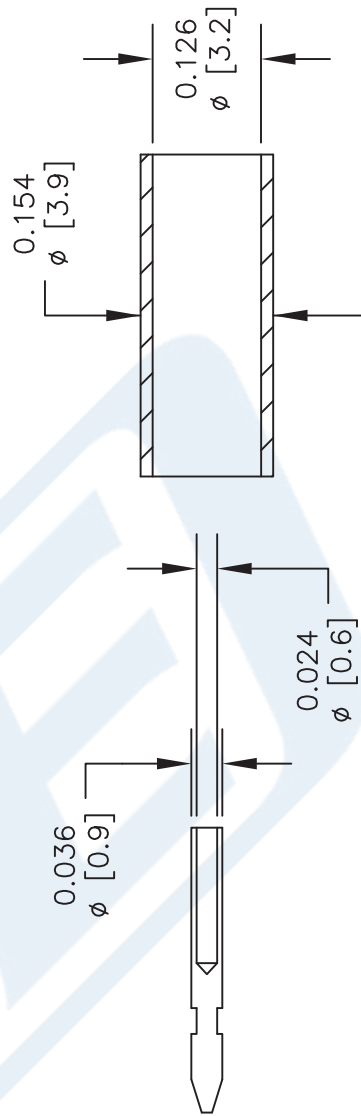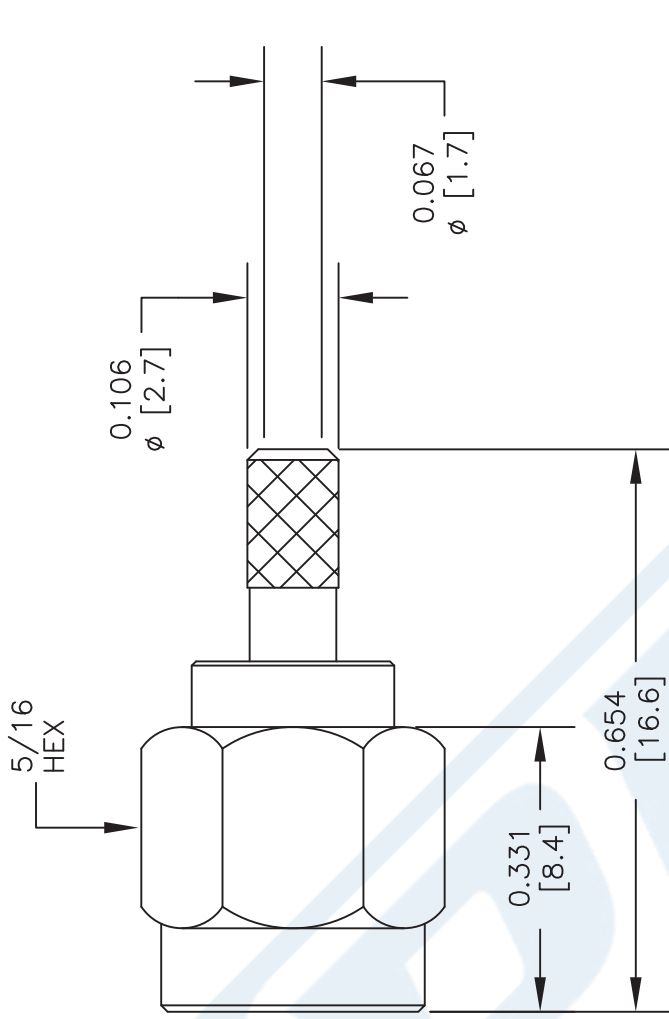
0.331 [8.4]

0.024 Ø [0.6]

0.036 Ø [0.9]

CONTACT

0.165 [4.2]

0.421 [10.7]

0.098 [2.5]

STRIPPING DIMENSIONS

CRIMP SIZE REQUIRED

CONTACT: SOLDER
FERRULE: .128" HEX CRIMP TOOL

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.

SIZE A	150
SCALE N/A	
CAD FILE	012815

DWG TITLE

PE45145

FSCM NO. 53919

PE45145 REV 1.0

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MCX Plug Connector Crimp/Solder Attachment for RG316, RG174, RG188

TECHNICAL DATA SHEET	PE4551

Configuration

Connector	MCX Plug
Connector Specification	CECC 22220
Connector Interface Type	RG316, RG174, RG188
Attachment Method (Shield/Contact)	Crimp/Solder
Body Style	Straight

Electrical Specifications

Frequency Range	DC to 3 GHz
Impedance	50 Ohms
Maximum VSWR	1.3:1
Maximum Operating Voltage	250 Volts

Mechanical Specifications

Temperature

Operating Range	-55 to +155 deg C

Size

Length	0.79 in [20.07 mm]
Width/Dia.	0.217 in [5.51 mm]
Weight	0.006 lbs [2.72 g]

Connector

Type	MCX Plug
Contact Material and Plating	Brass, Gold
Contact Plating Specification	30μ in. minimum
Body Material and Plating	Brass, Nickel
Body Plating Specification	100μ in. minimum
Dielectric Type	Teflon

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

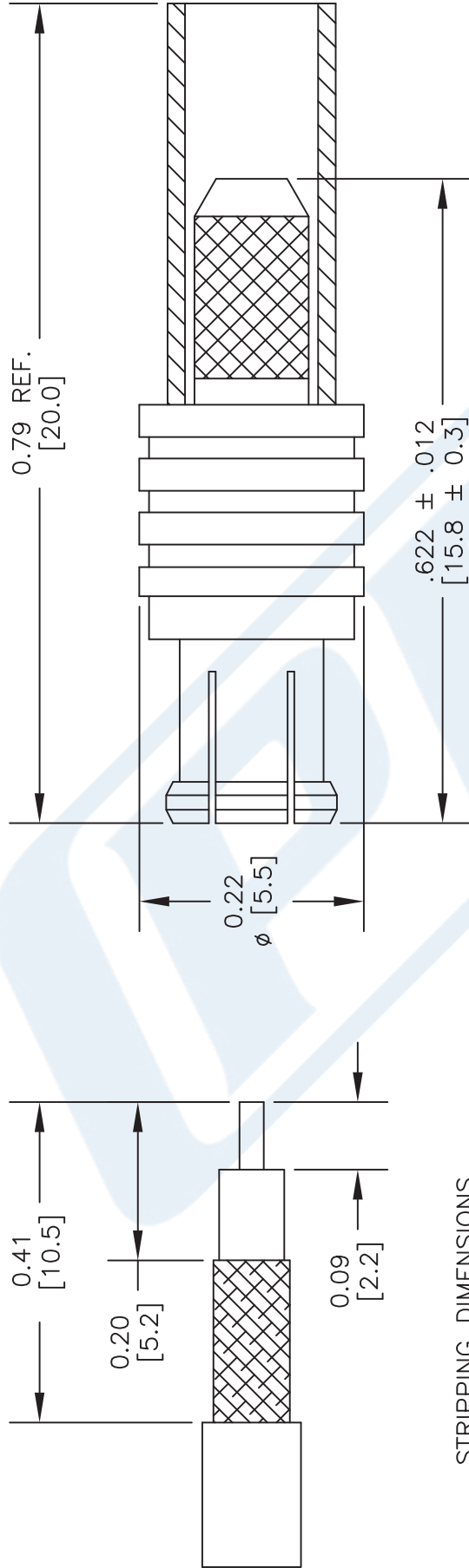|	
RoHS Compliant	
REACH Compliant	06/18/2012

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: MCX Plug Connector Crimp/Solder Attachment for RG316, RG174, RG188 PE4551

TECHNICAL DATA SHEET   PE4551

Plotted and Other Data

Notes:
- Values at +25 °C, sea level

MCX Plug Connector Crimp/Solder Attachment for RG316, RG174, RG188 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: MCX Plug Connector Crimp/Solder Attachment for RG316, RG174, RG188 PE4551

URL: http://www.pasternack.com/mcx-plug-standard-rg316-rg174-rg188-connector-pe4551-p.aspx

PE4551 CAD Drawing
MCX Plug Connector Crimp/Solder Attachment for RG316, RG174, RG188

0.79 REF. [20.0]

.622 ± .012 [15.8 ± 0.3]

0.22 ø [5.5]

0.41 [10.5]

0.20 [5.2]

0.09 [2.2]

STRIPPING DIMENSIONS

CRIMP SIZE REQUIRED

CONTACT: SOLDER
FERRULE: .128" HEX CRIMP TOOL

Flexible RG316 Coax Cable Single Shielded with Tan FEP Jacket

TECHNICAL DATA SHEET   RG316/U

Flexible RG316 Coax Cable Single Shielded with Tan FEP Jacket

Configuration

Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Shield Materials	Silver Plated Copper Braid
Jacket Material and Color	FEP, Tan

Electrical Specifications

Impedance, Ohms	50
Maximum Operating Frequency, GHz	3
Capacitance, pF/ft [pF/m]	32 [104.99]

Electrical Specifications by Frequency

Frequency 1

Frequency, MHz	50
Return Loss, dB	30
Attenuation, dB/100ft [dB/100m]	7.5 [24.61]

Frequency 2

Frequency, MHz	100
Return Loss, dB	30
Attenuation, dB/100ft [dB/100m]	11 [36.09]

Frequency 3

Frequency, MHz	400
Return Loss, dB	23
Attenuation, dB/100ft [dB/100m]	21 [68.9]

Frequency 4

Frequency, MHz	1000
Return Loss, dB	21
Attenuation, dB/100ft [dB/100m]	38 [124.67]

Frequency 5

Frequency, GHz	3
Return Loss, dB	17
Attenuation, dB/100ft [dB/100m]	58 [190.29]

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 Single Shielded with Tan FEP Jacket RG316/U

Flexible RG316 Coax Cable Single Shielded with Tan FEP Jacket

TECHNICAL DATA SHEET   RG316/U

Mechanical Specifications

Inner Conductor
Number of Strands	7
Material	Copper Clad Steel
Plating	Silver
Diameter, in [mm]	0.02 [0.51]

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

Shield:
Number of	1
Material 1	Silver Plated Copper Braid
Diameter, in [mm]	0.081 [2.06]

Jacket:
Material	FEP
Diameter, in [mm]	0.098 [2.49]
Color	Tan
Weight, lbs/ft [Kg/m]	0.011 [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 Single 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.
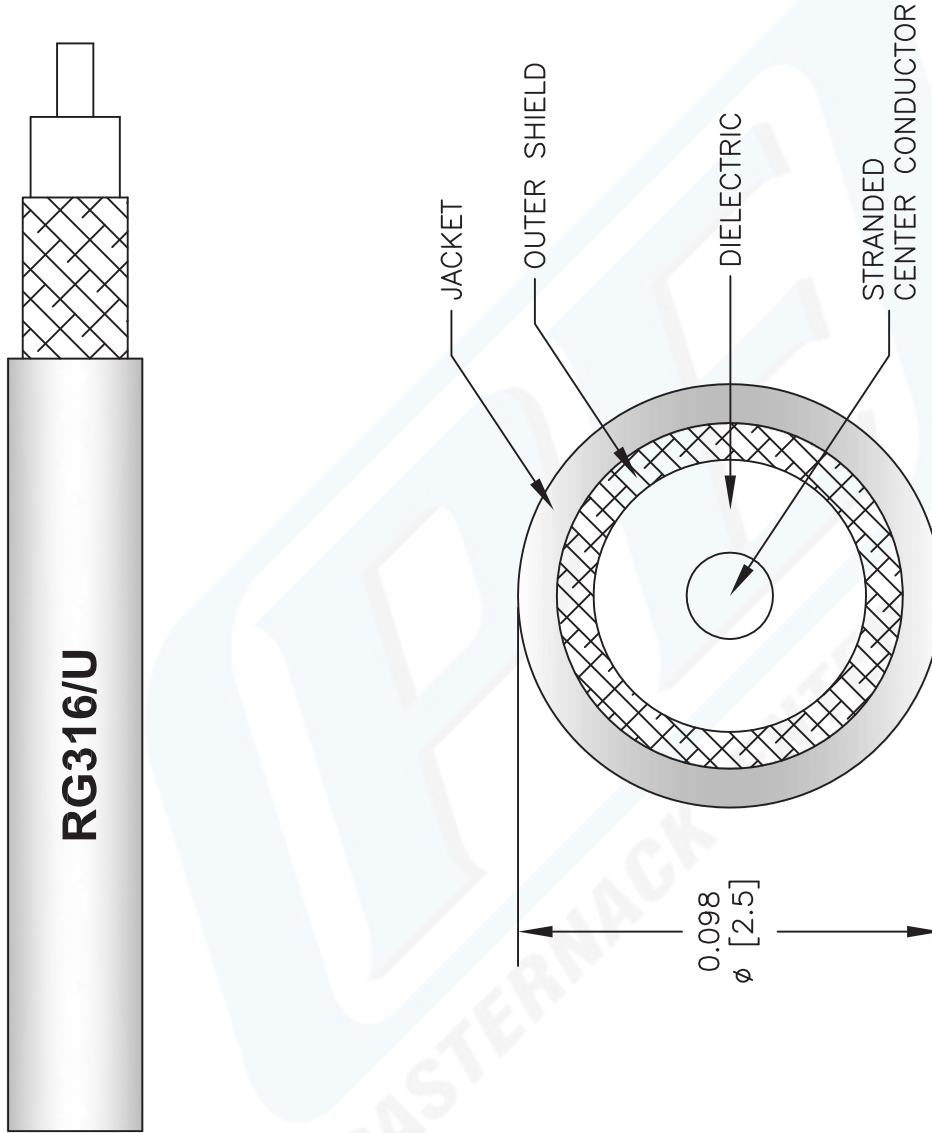
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Flexible RG316 Coax Cable Single Shielded with Tan FEP Jacket RG316/U

URL: http://www.pasternack.com/flexible-0.102-rg316-50-ohm-coax-cable-fep-jacket-rg316-u-p.aspx

RG316/U CAD Drawing
Flexible RG316 Coax Cable Single Shielded with Tan FEP Jacket

RG316/U

JACKET

OUTER SHIELD

DIELECTRIC

STRANDED CENTER CONDUCTOR

0.098 ⌀ [2.5]

NOTES:
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2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].

DWG TITLE			
RG316/U			

CAD FILE	SCALE N/A	SIZE A	2233
022908-A			

FSCM NO. 53919

RG316/U REV 01

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