



SMA Male Connector Crimp/Solder (Captive Contact)
Attachment for RG174, RG316, RG188

TECHNICAL DATA SHEET

PE4589

Configuration

Connector	SMA Male
Connector Specification	MIL-STD-348A
Connector Interface Type	RG174, RG316, RG188
Attachment Method (Shield/Contact)	Crimp/Solder (Captive Contact)
Body Style	Straight

Electrical Specifications

Frequency Range	DC to 3 GHz
Impedance	50 Ohms
Maximum VSWR	1.3:1
Maximum Operating Voltage	335 Volts

Mechanical Specifications

Temperature	
Operating Range	-65 to +165 deg C

Size

Length	1.06 in [26.92 mm]
Width/Dia.	0.312 in [7.92 mm]
Weight	0.013 lbs [5.9 g]

Connector

Type	SMA Male
Contact Material and Plating	Brass, Gold
Contact Plating Specification	50μ in. minimum
Coupling Nut Material and Plating	Brass, Nickel
Coupling Nut Plating Specification	100μ in. minimum
Hex Size	5/16 in.
Torque	5 in-lbs [0.57 Nm]
Body Material and Plating	Brass, Nickel
Body Plating Specification	100μ in. minimum
Dielectric Type	Teflon

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

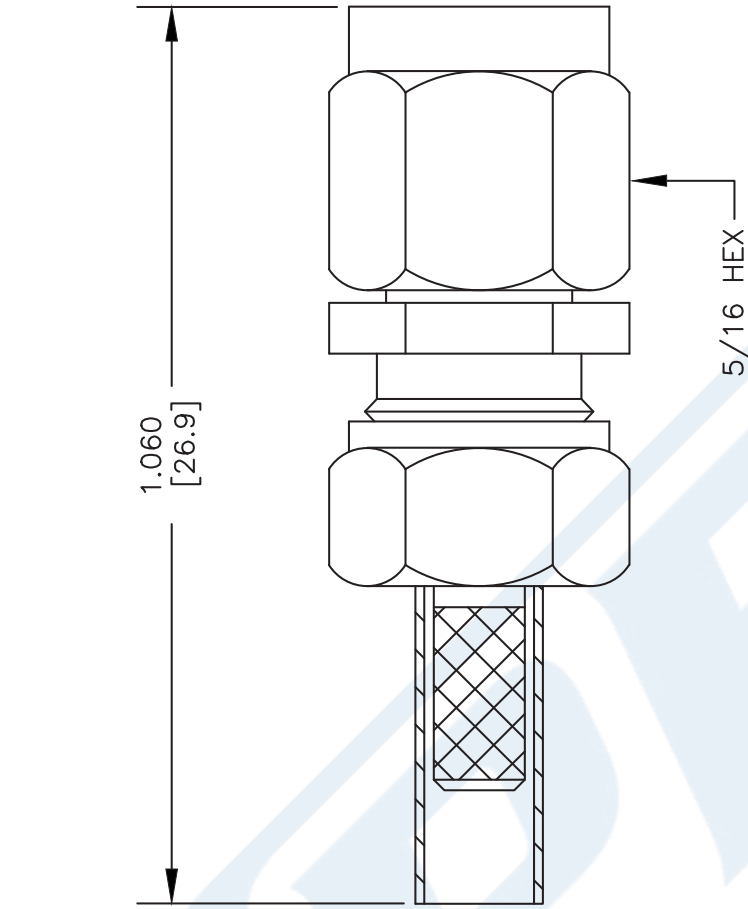
RoHS Compliant	
REACH Compliant	06/18/2012

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male Connector Crimp/Solder \(Captive Contact\) Attachment for RG174, RG316, RG188 PE4589](#)

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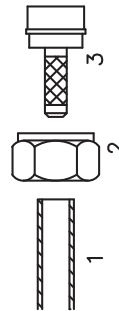
PE4589 CAD Drawing

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STRIPPING DIMENSIONS ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN. SO NOT NICK THE CENTER CONDUCTOR. TIN CENTER CONDUCTOR.
2. SLIDE FERRULE (1) & CLAMP NUT (2) OVER CABLE. FLAIR BRAID & SLIDE WEDGE ASSEMBLY (3) UNDER BRAID WITH CENTER CONDUCTOR PROTRUDING THROUGH HOLE IN INSULATOR. SLIDE FERRULE (1) OVER BRAID & AGAINST CLAMP NUT. CRIMP FERRULE (1)
3. SOLDER CONTACT TO CENTER CONDUCTOR. CLEAN. INSERT CABLE ASSEMBLY INTO BODY & TIGHTEN.



CRIMP SIZE REQUIRED

CONTACT: SOLDER
FERRULE: .128" HEX CRIMP TOOL



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DWG TITLE

PE4589

FSCM NO. 53919

CAD FILE 120804

SCALE N/A

SIZE A

XXXX

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.