



## FME Jack Connector Crimp/Solder Attachment For RG174, RG316, RG188

### TECHNICAL DATA SHEET

PE44148

#### FME Jack Connector Crimp/Solder Attachment For RG174, RG316, RG188

##### Configuration

Connector	FME Jack
Connector Interface Type	RG174, RG316, RG188
Cable Attachment Method (Shield/Contact)	Crimp/Solder
Body Style	Straight

##### Electrical Specifications

Impedance, Ohms	50
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##### Mechanical Specifications

Size	
Length, in [mm]	1.28 [32.51]
Width/Dia., in [mm]	0.312 [7.92]
Weight, lbs [g]	0.013 [5.9]

##### Connector

Type	FME Jack
Contact Material and Plating	Brass, Gold
Body Material and Plating	Brass, Nickel
Dielectric Type	PTFE

##### Compliance Certifications

RoHS Compliant	Yes
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##### Plotted and Other Data

Notes:	Values at 25 °C, sea level
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FME Jack Connector Crimp/Solder Attachment For RG174, RG316, RG188 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.

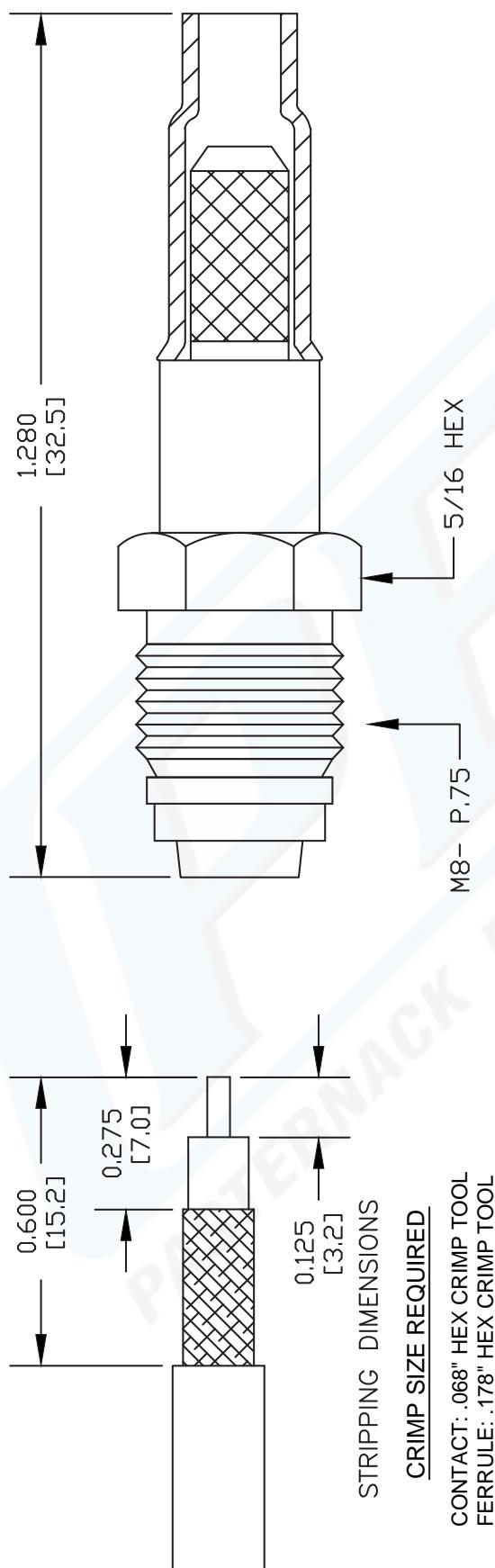
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [FME Jack Connector Crimp/Solder Attachment For RG174, RG316, RG188 PE44148](#)

URL: <http://www.pasternack.com/fme-jack-standard-rg174-rg316-rg188-connector-pe44148-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.

# PE44148 CAD Drawing

FME Jack Connector Crimp/Solder Attachment For RG174, RG316, RG188



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.

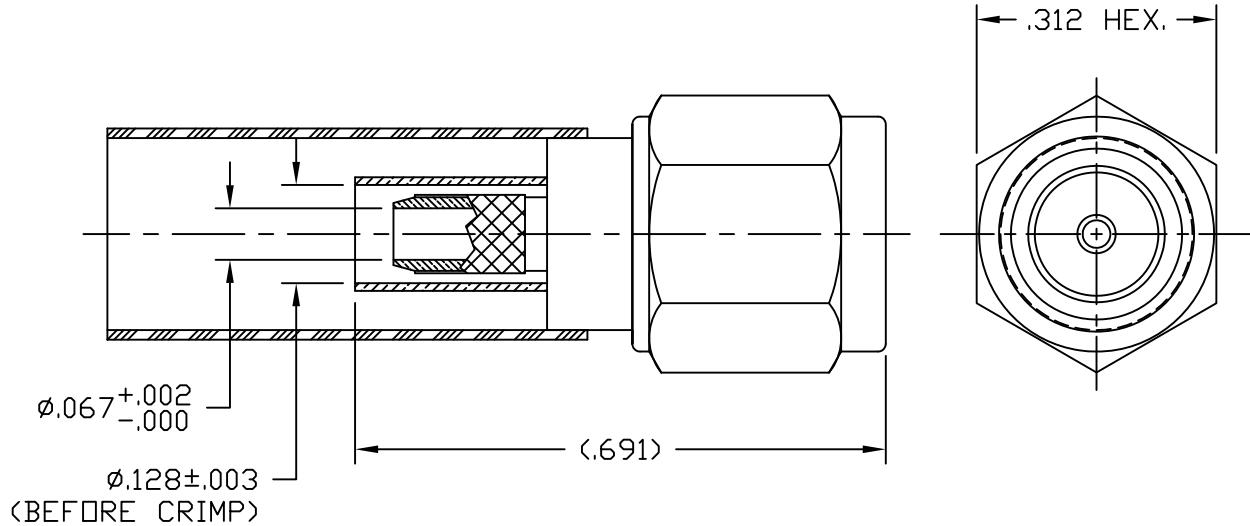
DWG TITLE  
**PE44148**

**PE PASTERNAK**  
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FSCM NO.	CAD FILE	SCALE	SIZE	A
53919	062702	N/A	A	xxxx

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SYM	REVISION DESCRIPTION	DFTM	DATE	APPD	DATE
-	RELEASED FOR PRODUCTION	J. C. L.	8/20/03	J. C. L.	8/20/03
A	CHANGED PER CDC #36704	J. J. H.	1/14/13	J. D. B.	1/15/13
B	CHANGED PER CDC #37206	J. D. B.	3/226/13	J. D. B.	3/26/13



NOTES:

1. ASSEMBLED CONNECTOR INTERFACE IS DESIGNED IN ACCORDANCE WITH MIL-STD-348.
2. MATERIAL: BODY & HEX COUPLING NUT - CORROSION RESISTANT STEEL PER ASTM A582.  
CONTACT - BERYLLIUM COPPER PER ASTM B196.  
INSULATOR - TEFLON PER ASTM D1710  
GASKET - SILICONE RUBBER PER ZZ-R-765  
SHRINK SLEEVE - SHRINKABLE POLYOLEFIN PER MIL-I-23053/5  
FERRULE - D.H.P. COPPER CDA ALLOY 122
3. FINISHES: BODY & HEX COUPLING NUT - PASSIVATE PER QQ-P-35  
CONTACT - GOLD PLATE PER MIL-G-45204  
FERRULE - SULFAMATE NICKEL PLATE
4. CONTACT PIN IS SOLDERED.
5. CRIMP THE FERRULE TO .128" HEX.

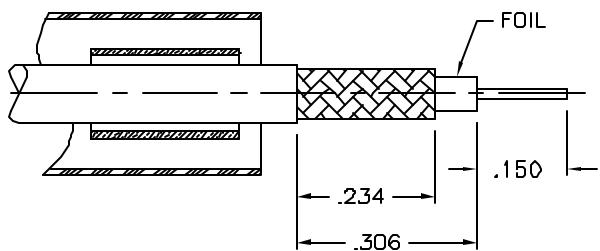
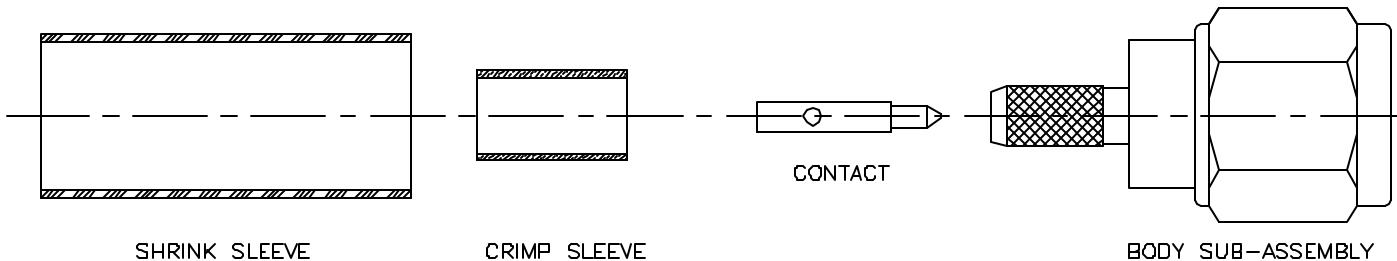
MATERIAL	UNLESS OTHERWISE SPECIFIED		DFTM, J. C. L.	DATE 8/20/03	TIME'S MICROWAVE SYSTEMS
	ALL DIMENSIONS ARE IN INCHES MACHINED SURFACES FINISH N/A RMS MAX. REMOVE ALL BURRS .005 MAX. BREAK MACHINE CORNERS .005 MAX. FILLET R. TOLERANCES ON DECIMALS .XX ± .03 .XXX ± .005 ANGLES ± 1° FRACTIONS ± 1/32				
USED ON: A	CHKD, J. C. L.	DATE 8/20/03	TC-100-SM	APPD, J. C. L.	SMA MALE FOR LMR100 CABLE
SCALE: N/A	DWG SIZE A	DO NOT SCALE DRAWING	CODE IDENT 68999	DATE 8/20/03	SH 1 of 1 SD3190-1551 REV B



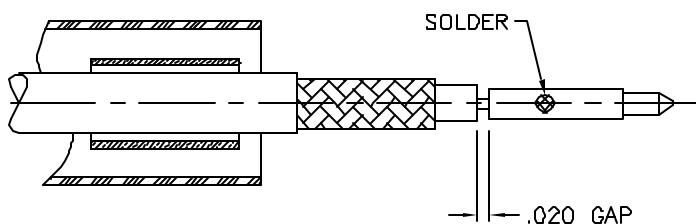
MICROWAVE SYSTEMS

358 Hall Avenue/P.O. Box 5039  
Wallingford, CT 06492-5039  
Tel: 203-949-8400  
FAX: 203-949-8423  
1-800-TMS-COAX  
[www.timesmicrowave.com](http://www.timesmicrowave.com)

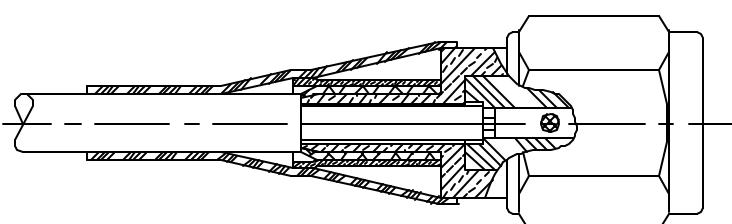
INSTALLATION INSTRUCTIONS  
TC-100-SM (TIMES 3190-1551)  
(Cable Types: LMR-100)



- 1) A. Trim cable to dimensions shown. Slide shrink sleeve & crimp sleeve back onto cable.  
B. Remove any residual plastic from the center conductor and deburr center conductor using a fine file.



- 2) A. Slide contact onto center conductor leaving a .020 gap as shown and solder to center conductor. Use minimal heat to minimize melting of foam dielectric. Inspect to be sure aluminum foil is not touching center contact.



- 3) A. Insert cable into connector until fully seated, with all braid wires on the outside of connector body and aluminum tape inside connector body.  
B. Slide crimp sleeve forward and crimp as close as possible to body using a .128" hex die. Use Times HX-4 crimp tool or equivalent. Do not crimp rear of crimp sleeve.  
C. Heat shrink weather seal over rear of connector body and down onto cable jacket using hot air gun.

## Flexible RG174 Coax Cable Single Shielded with Black PVC Jacket

### RF Cables Technical Data Sheet

#### Times Microwave Systems Coax Cable Specification

##### Configuration

- Flexible Cable
- 1 Shield(s)

##### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		1,000	MHz
Impedance		50		Ohms
Velocity of Propagation		66		%
Nominal Capacitance		31.08 [101.97]		pF/ft [pF/m]

##### Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	100	400	1,000			MHz
Attenuation, Typ	8.4 27.56	19 62.34	32 104.99			dB/100ft dB/100m

##### Mechanical Specifications

Diameter	0.11 in [2.79 mm]
Weight	0.009 lbs/ft [0.01 Kg/m]

##### Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper Clad Steel, 7 Strands	0.019 in [0.48 mm]
Conductor Type	Stranded	
Dielectric	PE	0.06 in [1.52 mm]
First Shield	Tinned Copper Braid	0.078 in [1.98 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG174 Coax Cable Single Shielded with Black PVC Jacket RG174A/U](#)

## Flexible RG174 Coax Cable Single Shielded with Black PVC Jacket

### RF Cables Technical Data Sheet

Jacket	PVC, Black	0.11 in [2.79 mm]
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#### Environmental Specifications

##### Temperature

Operating Range

-40 to +80 deg C

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

#### Plotted and Other Data

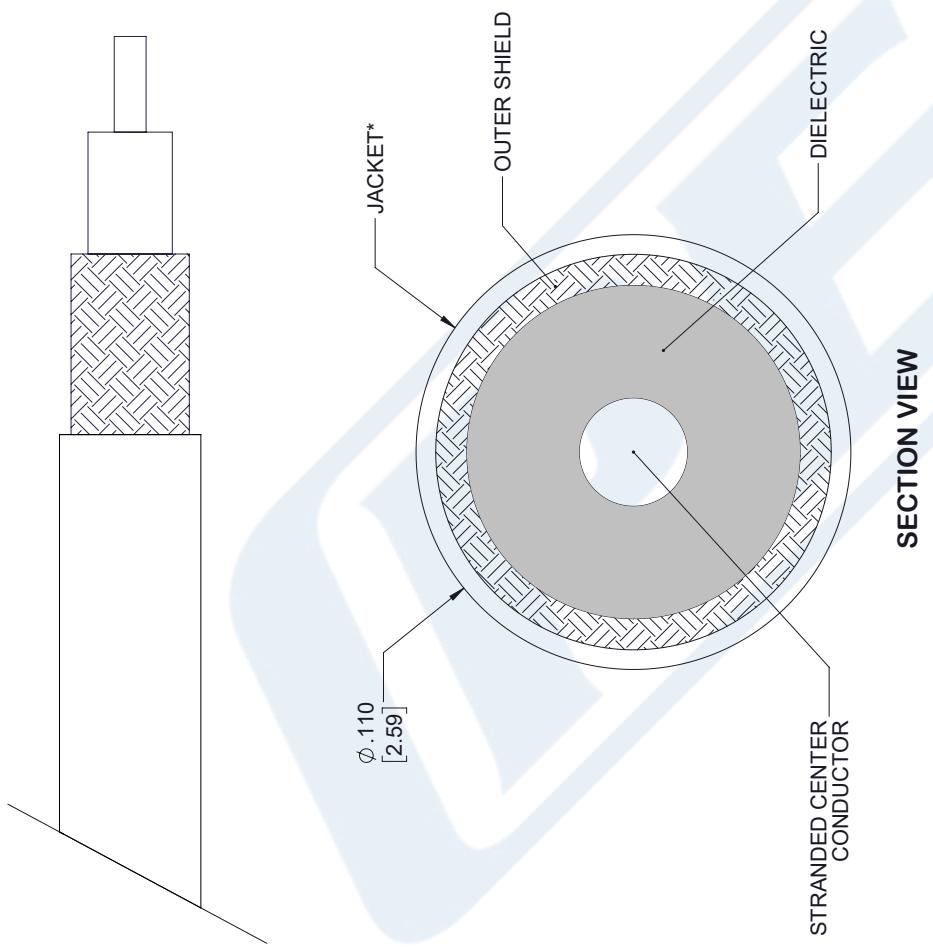
Notes:

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Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG174 Coax Cable Single Shielded with Black PVC Jacket RG174A/U](#)

URL: <https://www.pasternack.com/flexible-0.100-rg174-50-ohm-coax-cable-pvc-jacket-rg174a-u-p.aspx>

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STANDARD TOLERANCES	
.X	±0.2
.XX	±0.01
.XXX	±0.005

NOTE:  
\*STANDARD TOLERANCES APPLY  
ONLY TO DIMENSIONS IN INCHES

**PASTERACK**  
THE ENGINEER'S RESOURCE

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DWG TITLE	CAGE CODE	CAD FILE	SCALE N/A	SIZE A
RG174A/U	53919	05/25/18		7361