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1.0/2.3 Jack Bulkhead Connector Crimp/Solder Attachment For RG174, RG316, RG188, .217 inch DD Hole

TECHNICAL DATA SHEET PE44254

1.0/2.3 Jack Bulkhead Connector Crimp/Solder Attachment For RG174, RG316, RG188, .217 inch DD Hole

Configuration

Connector	1.0/2.3 Jack
Connector Interface Type	RG174,RG316,RG188
Cable Attachment Method (Shield/Contact)	Crimp/Solder
Body Style	Straight
Mount Method	Bulkhead

Electrical Specifications

Impedance, Ohms	50

Mechanical Specifications

Size

Length, in [mm]	0.955 [24.26]
Width/Dia., in [mm]	0.275 [6.99]
Weight, lbs [g]	0.006 [2.72]

Connector

Type	1.0/2.3 Jack
Contact Material and Plating	Gold
Body Material and Plating	Brass, Gold
Dielectric Type	PTFE

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

RoHS Compliant	Yes

Plotted and Other Data

Notes:	Values at 25 °C, sea level

1.0/2.3 Jack Bulkhead Connector Crimp/Solder Attachment For RG174, RG316, RG188, .217 inch DD Hole 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: 1.0/2.3 Jack Bulkhead Connector Crimp/Solder Attachment For RG174, RG316, RG188, .217 inch DD Hole PE44254

URL: http://www.pasternack.com/1.0-2.3-jack-standard-rg174-rg316-rg188-connector-pe44254-p.aspx

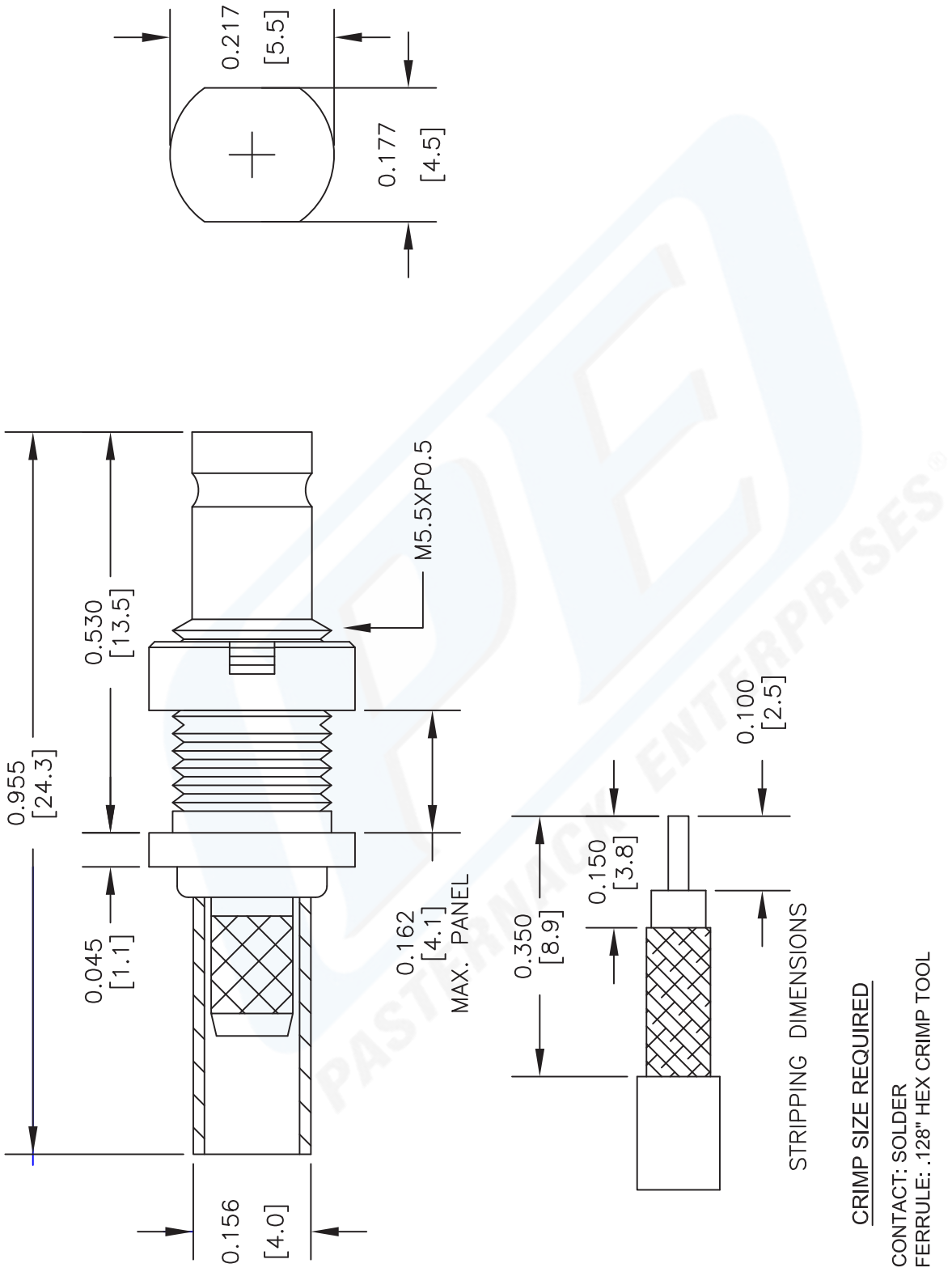
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PE44254 CAD Drawing

1.0/2.3 Jack Bulkhead Connector Crimp/Solder Attachment
For RG174, RG316, RG188, .217 inch DD Hole



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.

CAD FILE	080102	SCALE N/A	SIZE A	2233

DWG TITLE **PE44254**

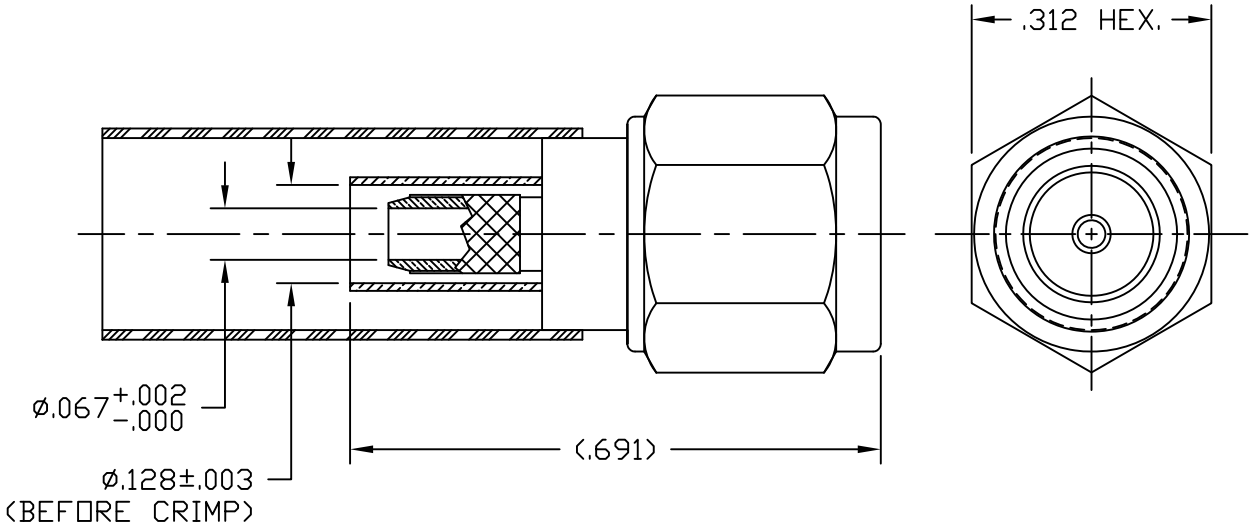
FSCM NO. 53919

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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	D.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

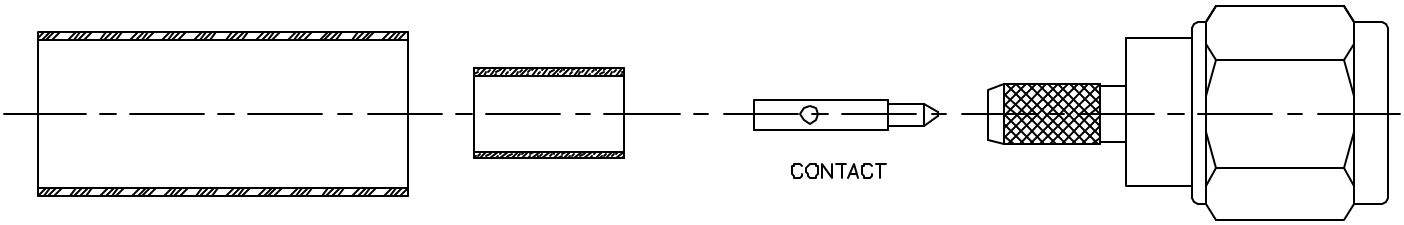
4. CONTACT PIN IS SOLDERED.

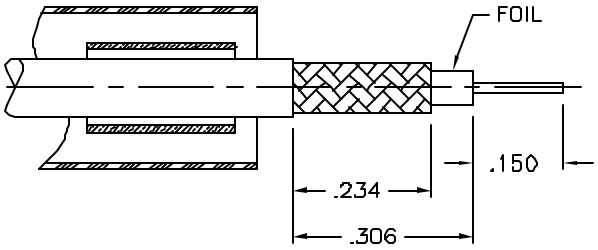
5. CRIMP THE FERRULE TO .128" HEX.

MATL:	UNLESS OTHERWISE SPECIFIED	DFTM. J. C. L.	TIMES 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	DATE 8/20/03 CHKD. J. C. L. DATE 8/20/03 APPD. J. C. L.	**TC-100-SM** SMA MALE FOR LMR100 CABLE
USED ON: A			
SCALE: N/A DWG. SIZE A	DO NOT SCALE DRAWING CODE IDENT 68999	DATE 8/20/03	SHT 1 of 1 SD3190-1551 REV B

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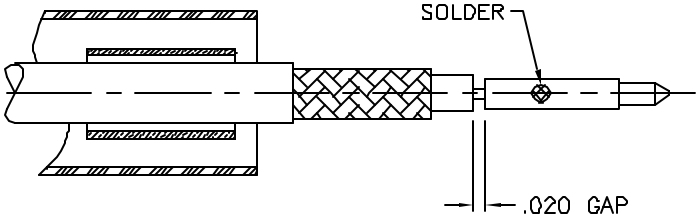
INSTALLATION INSTRUCTIONS
TC-100-SM (TIMES 3190-1551)
(Cable Types: LMR-100)



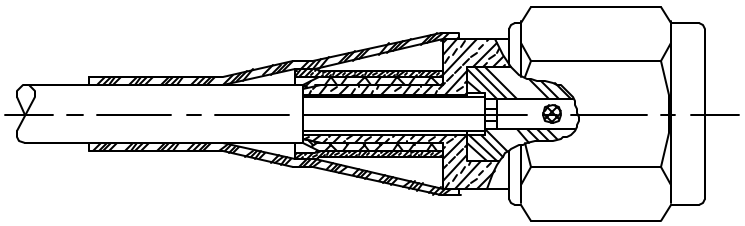


1) A. Trim cable to dimensions shown. Slide shrink sleeve & crimp sleeve back onto cable.

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 connnector 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.

PASTERNACK®
THE ENGINEER'S RF SOURCE

Flexible RG188 Coax Cable Single Shielded with White PTFE Jacket

RF Cables
Technical Data Sheet

RG188A/U

Configuration

- Flexible Cable
- 1 Shield(s)

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
Impedance		50		Ohms
Dielectric Withstanding Voltage (AC)			2,000	Vrms

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	400					MHz
Attenuation, Typ	20					dB/100ft
	65.62					dB/100m

Mechanical Specifications

Diameter	0.11 in [2.79 mm]
Weight	0.011 lbs/ft [0.02 Kg/m]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper Clad Steel, Silver, 7 Strands	0.02 in [0.51 mm]
Conductor Type	Stranded	
Dielectric	PTFE	0.06 in [1.52 mm]
First Shield	Silver Plated Copper Braid 95.2% coverage	0.081 in [2.06 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Flexible RG188 Coax Cable Single Shielded with White PTFE Jacket RG188A/U

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Flexible RG188 Coax Cable Single Shielded with White PTFE Jacket

RF Cables
Technical Data Sheet

RG188A/U

Jacket	PTFE, White	0.11 in [2.79 mm]

Environmental Specifications

Temperature

Operating Range	-55 to +250 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

Flexible RG188 Coax Cable Single Shielded with White PTFE Jacket 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: Flexible RG188 Coax Cable Single Shielded with White PTFE Jacket RG188A/U

URL: https://www.pasternack.com/50-ohm-flexible-rg188au-ptfe-jacket-silver-plated-copper-braid-outer-conductor-single-shielded-white-rg188a-u-p.aspx

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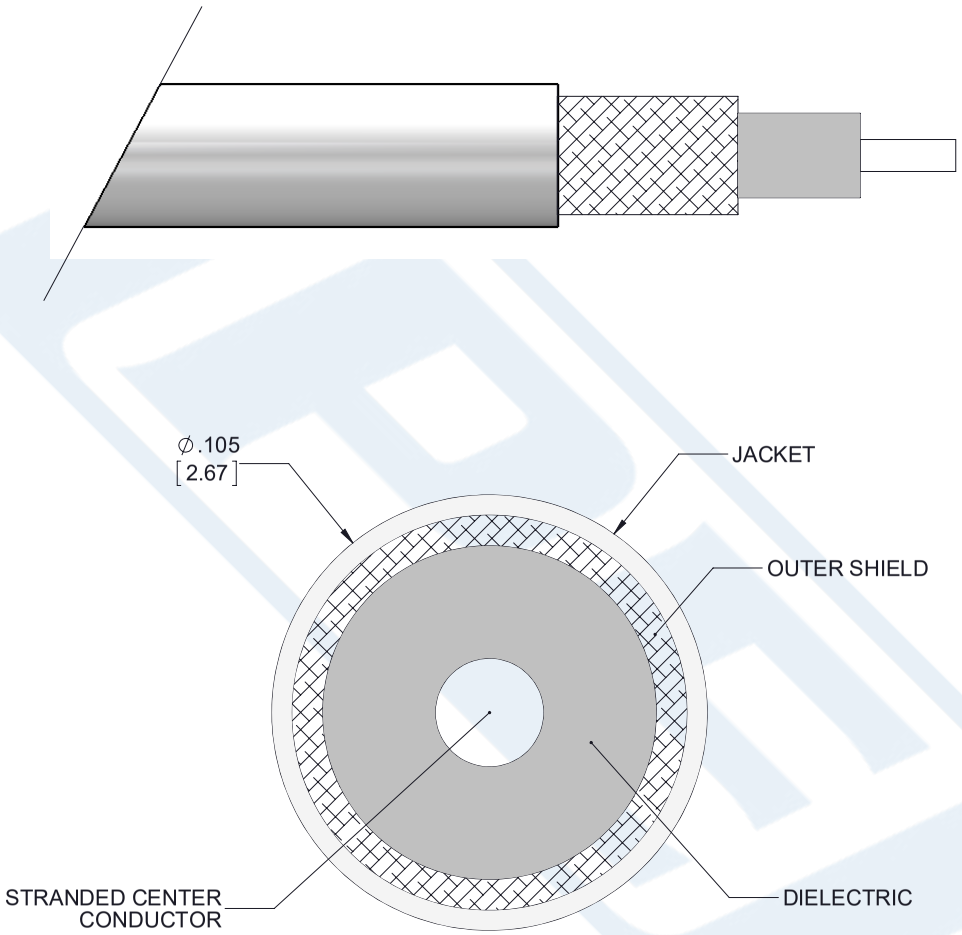
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RG188A/U CAD Drawing

Flexible RG188 Coax Cable Single Shielded with White PTFE Jacket



SECTION VIEW

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

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

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DWG TITLE: RG188A/U

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CAGE CODE 53919	CAD FILE 091817	SCALE N/A	SIZE A	7361