

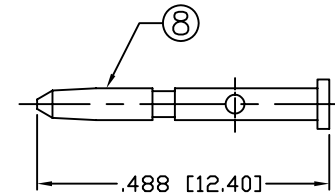
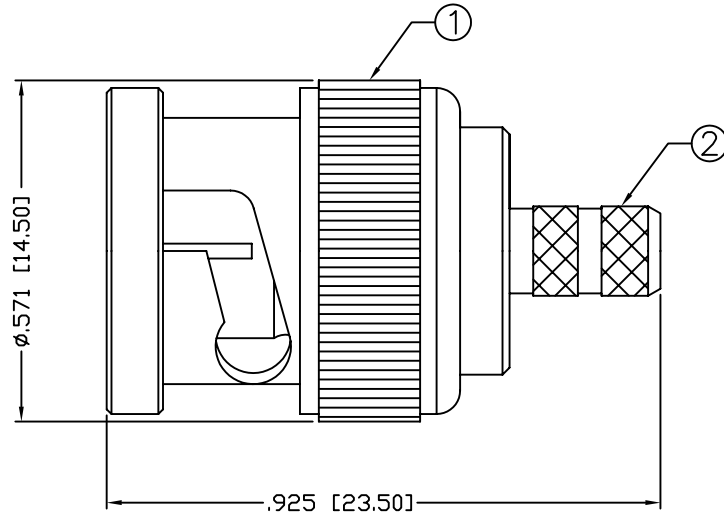
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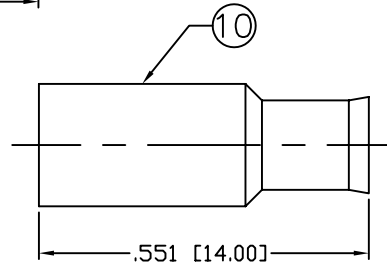
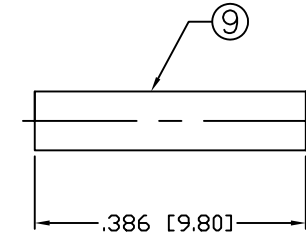
PART NO.

RFB-1707-S

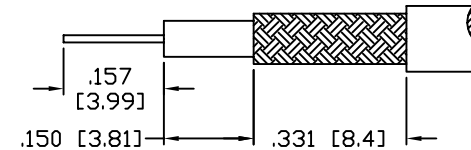
REV	DESCRIPTION	DWN	DATE	APPROVED
-	ENGINEERING RELEASE	CZS	09/08/00	JDMc
A	CHANGED STRIP DIMENSIONS FOR CABLE	JDM	5/1/08	JDMc



SOLDER OR USE CRIMP DIE .042



RECOMMENDED CRIMP DIE .178



RECOMMENDED STRIPPING DIMENSIONS

SPECIFICATIONS:

IMPEDANCE: 75 Ohms
 FREQUENCY RANGE: 0-4 GHz
 WORKING VOLTAGE: 500 V rms @ sea level
 TEMPERATURE RANGE: -65°C TO 85°C
 INSULATION RESISTANCE: 5k M Ohms min.
 FOR RG-161, 179, 179A, 187 & 187A/U CABLE

1	SHELL	1	BRASS	NICKEL, 100μ"	008974	DRAWN JDM 5/1/08
2	BODY	1	BRASS	NICKEL, 100μ"		
3	INSULATOR	1	PTFE	----		
4	GASKET	1	RUBBER	RED		
5	RETAINING RING	1	BRASS	NICKEL, 100μ"		
6	SPRING	1	SK5	NICKEL, 100μ"		
7	WASHER	1	BRASS	NICKEL, 100μ"		
8	PIN	1	BRASS	GOLD, 3μ"		
9	SLEEVE	1	DELTRIN	----		
10	FERRULE	1	BRASS	NICKEL, 100μ"		
11					CHECKED	
12						
13					ORJ DRAWN	
14					C. ZUNIGA	10/16/01
#	DESCRIPTION	QTY	MATRL	FINISH	APPROVALS	DATE

UNLESS OTHERWISE SPECIFIED:
 1. REMOVE ALL BURRS
 2. BREAK ALL CORNERS & EDGES .005 R. MAX.
 3. CHAMFER 1ST & LAST THREADS 45°
 4. SURFACE ROUGHNESS 63 FINISH MIL-STD-10
 5. DIAMETERS ON COMMON CENTERS TO BE CONCENTRIC WITHIN .002 T.I.R.
 6. ALL DIMENSIONS ARE AFTER PLATING.

DIMENSIONS ARE IN INCHES AND [MILLIMETERS]
 UNLESS OTHERWISE NOTED TOLERANCES ARE:
 DECIMALS .xxx±.003 [.08]
 .xx±.005 [.13]
 DIAMETER .xxx±.001 [.03]
 .xx±.003 [.08]

RF connectors
 DIVISION OF RF INDUSTRIES, LTD.

7610 MIRAMAR RD
 SAN DIEGO, CA 92126
 (858) 549-6340
 (858) 549-6345 FAX

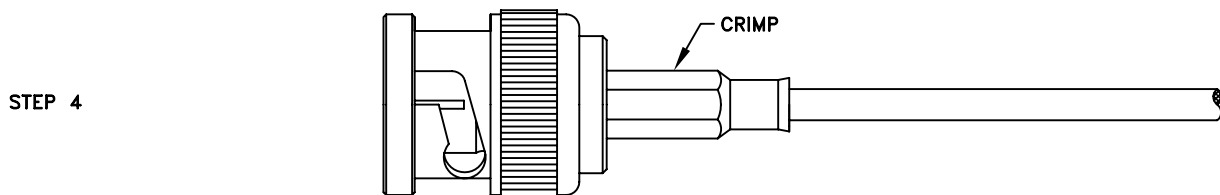
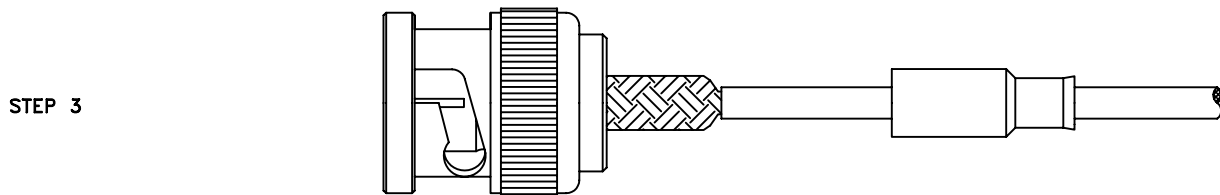
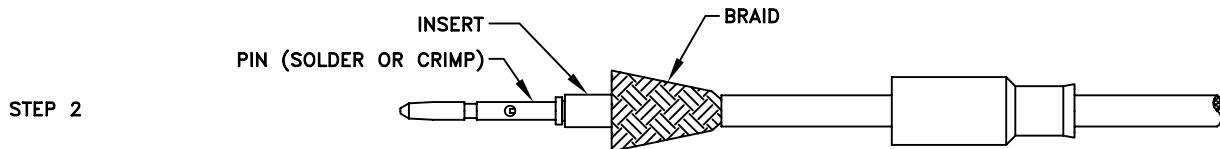
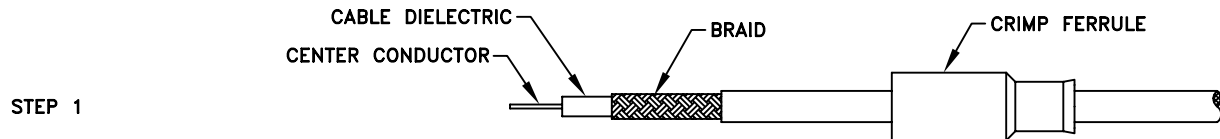
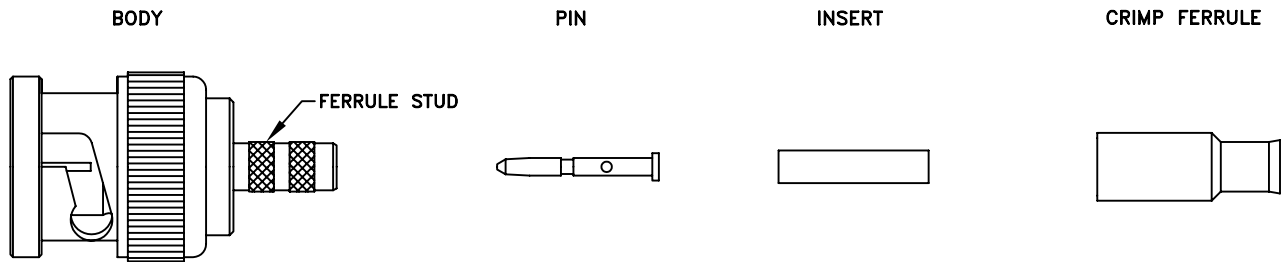
BNC PLUG, CRIMP

75 OHM

SIZE	CABLE GROUP	DWG NO.	REV
A	S	RFB-1707-S	A
SCALE: NTS		CAD FILE OUTLINE	SHEET 1 OF 1

CABLE ASSEMBLY INSTRUCTIONS

RFB-1707-S



Step 1: Cut end of cable evenly. Strip cable to dimensions shown in catalog or on outline drawing. All cuts are to be clean and square. Do not nick braid or center conductor when cutting. Slide ferrule over cable. If using strain relief or heat shrink tubing slide onto cable first.

Step 2: Pre tin cable conductor if using stranded cable (if needed). Place insert over cable dielectric and under braid. Slide pin onto center conductor until it yields against the cable dielectric. Solder or crimp pin in place. If soldering use minimum amount of heat to avoid damage to the cable insulator.

Step 3: Slide ferrule stud under braid, while inserting the pin into the body.

Step 4: Slide the ferrule over the braid until it yields against the back of the connector. Crimp the ferrule with crimp tool as specified on connector drawing. Trim any extra braid extending out of ferrule end.

RFB-1707-S AP.DWG

RF CONNECTORS

10/4/10

7610 Miramar Road, San Diego, CA 92126-4202 - (858) 549-6340
(800) 233-1728 - Fax (858) 549-6345 E-mail: rfi@rfindustries.com - www.rfindustries.com

JDM