

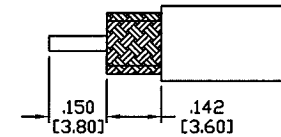
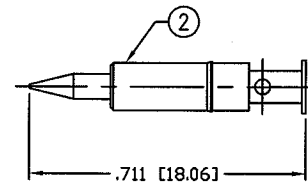
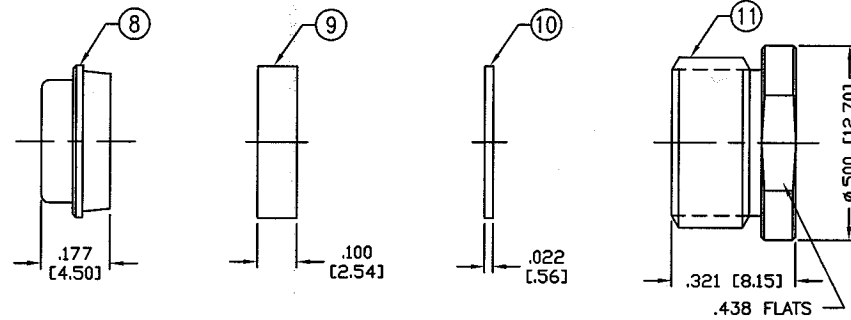
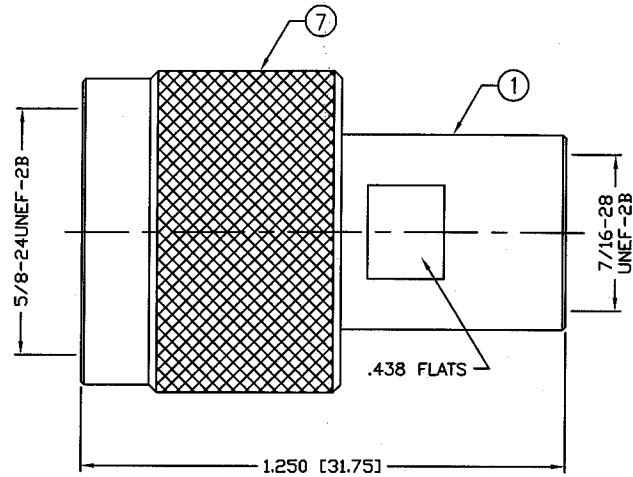
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ALL DIMENSIONS ARE REFERENCE ONLY

PART NO.

RFN-1000-1S

REV	DESCRIPTION	DWN	DATE	APPROVED
-	ENGINEERING RELEASE	CZS	05/15/00	JDMc



SPECIFICATIONS:

IMPEDANCE: 50 Ohms
 FREQUENCY RANGE: 0-11 GHz
 VSWR: 1.3 Max.
 INSERTION LOSS: .06 dB Max. x $\sqrt{f(\text{GHz})}$
 WORKING VOLTAGE: 1k V rms @ sea level
 TEMPERATURE RANGE: -65°C to 165°C
 INSULATION RESISTANCE: 5k M Ohms min.

(C) FOR RG-58, 58A, 58C, 141, 141A, BELDEN 8240,
 8259, 8262, 9201, 9203, 9310, 9311 & COMM/SCOPE 0268
 (C1) FOR RG-55, 55A, 55B, 142, 142A, 142B, 223 & 400/U,
 ALPHA 9055, 9055B, 9223, BELDEN 8219, 83242, 84142, 9907

1	BODY	1	BRASS	SILVER, 80μ"	000486	
2	PIN	1	BRASS	GOLD, 3μ"		
3	INSULATOR	1	PTFE	----		
4	GASKET	1	RUBBER	----		
5	RETAINING RING	1	BRASS	SILVER, 80μ"		
6	GROUND RING	1	BRASS	SILVER, 80μ"		
7	SHELL	1	BRASS	SILVER, 80μ"		
8	CLAMP	1	BRASS	SILVER, 80μ"		
9	GASKET	1	RUBBER	----		
10	WASHER	1	BRASS	SILVER, 80μ"		
11	BACK NUT	1	BRASS	SILVER, 80μ"		
12						
13						
14						
#	DESCRIPTION	QTY	MATERIAL	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 DIAMETER
 .XXX±.003 [.08] .XXX±.001 [.03]
 .XX±.005 [.13] .XX±.003 [.08]

RF connectors
 DIVISION OF RF INDUSTRIES, LTD.

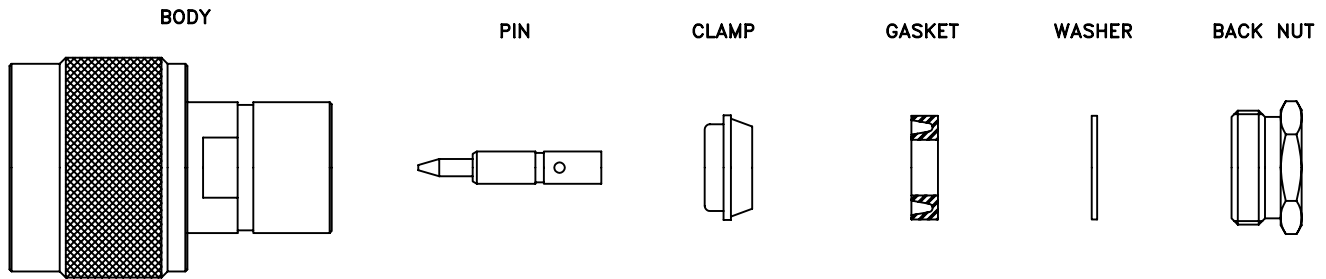
7610 MIRAMAR RD
 SAN DIEGO, CA 92126
 (858) 549-6340
 (858) 549-6345 FAX

N MALE CLAMP

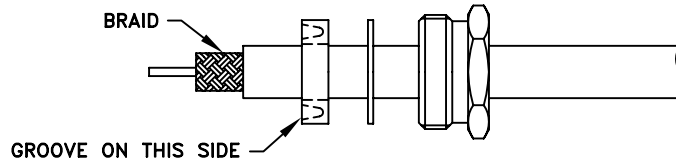
SIZE	CABLE GROUP	DWG NO.	REV
A	C & C1	RFN-1000-1S	-
SCALE:	NTS	CAD FILE OUTLINE	SHEET 1 OF 1

CABLE ASSEMBLY INSTRUCTIONS

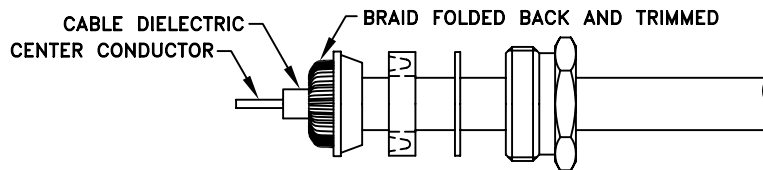
RFN-1000-1S



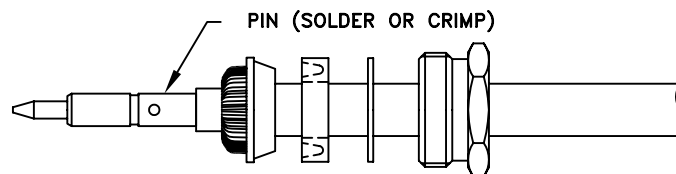
STEP 1



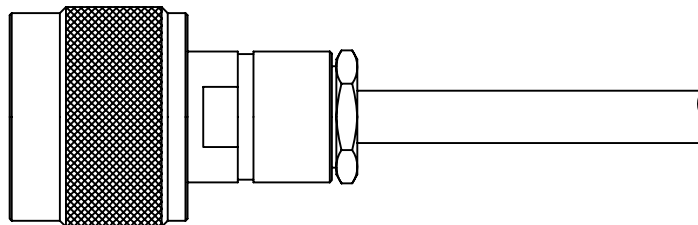
STEP 2



STEP 3



STEP 4



Step 1: Cut end of cable evenly. Strip cable to dimensions shown on outline drawing. All cuts are to be clean and square. Do not nick braid, dielectric or center conductor. Slide back nut, washer and gasket onto cable. Braid must be combed for assembly of clamp.

Step 2: Place the clamp over braid and push clamp back against cable jacket. Fold back braid wire and form over the clamp evenly. Trim any extra braid extending over clamp.

Step 3: Slide pin onto center conductor until it yields against the cable dielectric. Pre tin cable conductor if using stranded cable (if needed). Solder or crimp pin in place.

Step 4: Properly seat groove of gasket onto clamp. Insert pin, cable and hardware into the body. Tighten back nut while holding body stationary.

RFN-1000-1S AP.DWG

RF CONNECTORS

02/10/06

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CZ