

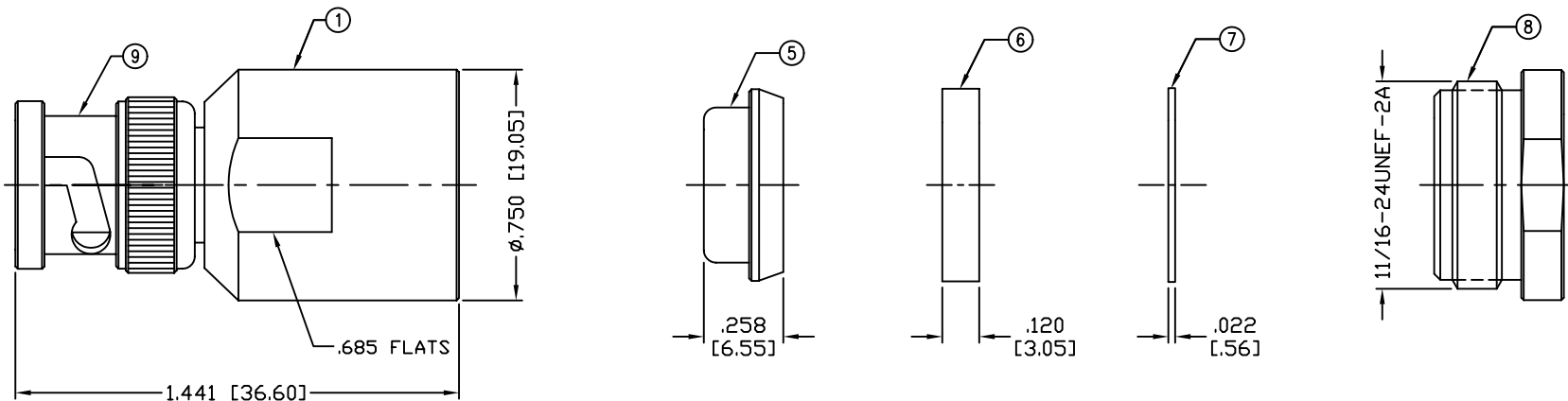
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ALL DIMENSIONS ARE REFERENCE ONLY

PART NO.

# RFB-1101-1SI

REV	DESCRIPTION	DWN	DATE	APPROVED
D	CHANGE SHELL, BODY, PIN & DIE DIMENSIONS	CZS	4/7/99	R. RICE
E	LENGTHEN DIE, PIN, & BODY / ADD DIM TO CLAMP	CZS	6/23/99	R. RICE
F	CHANGE OVERALL DIMENSIONS, STRIPING & FORMAT	CZS	8/20/01	JDMc
G	ADDED SOLDER ONLY NOTE & UPDATED ELECTRICAL SPECS	CZS	8/8/06	JDMc



2  
  
 RECOMMENDED CRIMP DIE: .128"  
 "SOLDER ONLY" FOR RG-8/U TYPE CABLE

7  
  
 RECOMMENDED STRIPPING DIMENSIONS

## SPECIFICATIONS:

IMPEDANCE: 50 Ohms  
 FREQUENCY RANGE: 0-4 GHz  
 VSWR: 1.3 Max.  
 WORKING VOLTAGE: 500 V rms @ sea level  
 TEMPERATURE RANGE: -65°C TO 85°C  
 INSULATION RESISTANCE: 5k M Ohms min.  
 FOR BELDEN 8214, 9913, 9913F, 9914, RG-8/U TYPE,  
 CAROL C1180, TIMES AA-5886 & LMR-400 CABLE

1	BODY	1	BRASS	SILVER, 80 μ"	000486	
2	PIN	1	BRASS	GOLD, 3 μ"		
3	DIELECTRIC	1	TEFLON	---		
4	PRESS FIT	1	BRASS	SILVER, 80 μ"		
5	CLAMP	1	BRASS	SILVER, 80 μ"		
6	GASKET	1	RUBBER	----		
7	WASHER	1	BRASS	SILVER, 80 μ"		
8	BACK NUT	1	BRASS	SILVER, 80 μ"		
9	SHELL	1	BRASS	SILVER, 80 μ"		
10	WASHER	1	BRASS	SILVER, 80 μ"		
11	SPRING	1	SK-5	SILVER, 80 μ"		
12	LOCK WASHER	1	BRASS	SILVER, 80 μ"		
13	GASKET	1	RUBBER	----		
14						
#	DESCRIPTION	QTY	MATERIAL	FINISH	APPROVALS	DATE

### UNLESS OTHERWISE SPECIFIED:

- REMOVE ALL BURRS
- BREAK ALL CORNERS & EDGES .005 R. MAX.
- CHAMFER 1ST & LAST THREADS 45°
- SURFACE ROUGHNESS 63 FINISH MIL-STD-10
- DIAMETERS ON COMMON CENTERS TO BE CONCENTRIC WITHIN .002 T.I.R.
- 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.

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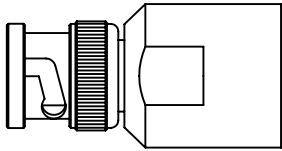
## BNC MALE, CLAMP

SIZE A	CABLE GROUP I	DWG NO. RFB-1101-1SI	REV G
SCALE: NTS		CAD FILE OUTLINE	SHEET 1 OF 1

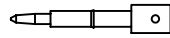
# CABLE ASSEMBLY INSTRUCTIONS

RFB-1101-1SI

BODY



PIN



CLAMP



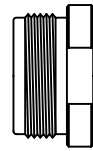
GASKET



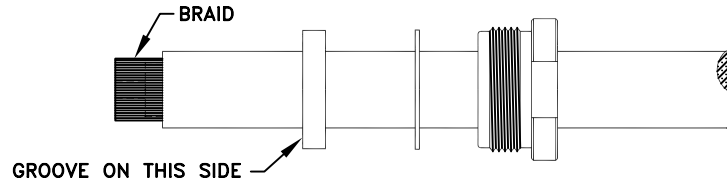
WASHER



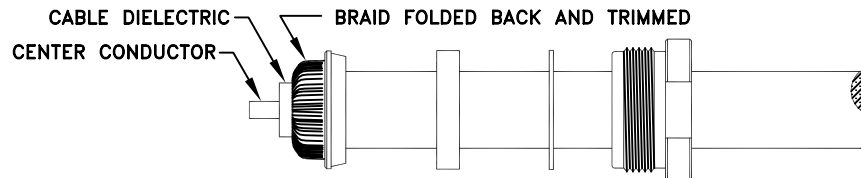
BACK NUT



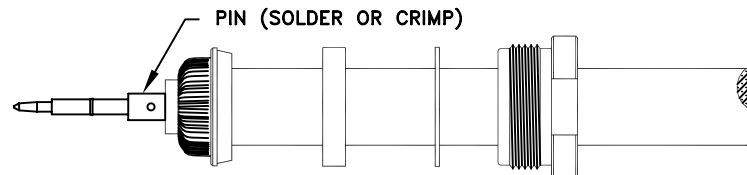
STEP 1



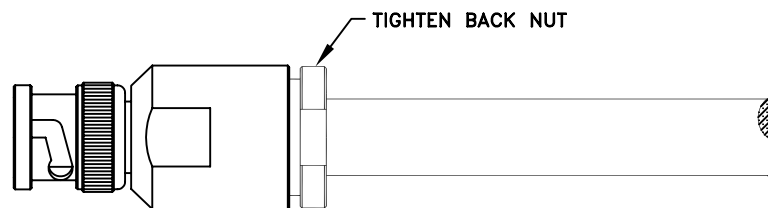
STEP 2



STEP 3



STEP 4



- Step 1: Cut end of cable evenly. Strip cable to dimensions shown on envelope/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 extra braid if needed.
- 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. If soldering use minimum amount of heat.
- Step 4: Properly seat groove of gasket onto clamp. Insert pin, cable and hardware into the body. Tighten back nut while holding body stationary.

RFB-1101-1SI AP.DWG

*RF CONNECTORS*

1/17/06

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CZ