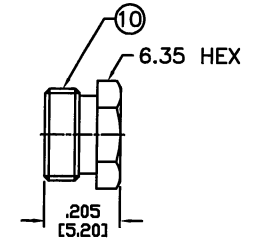
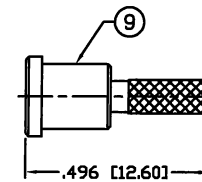
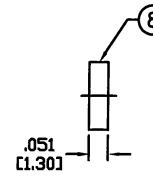
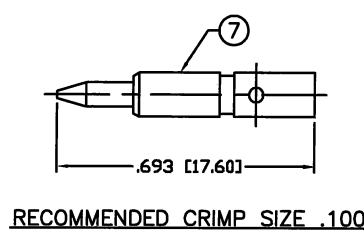
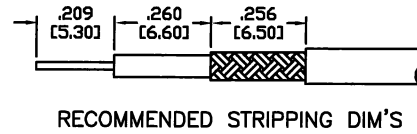
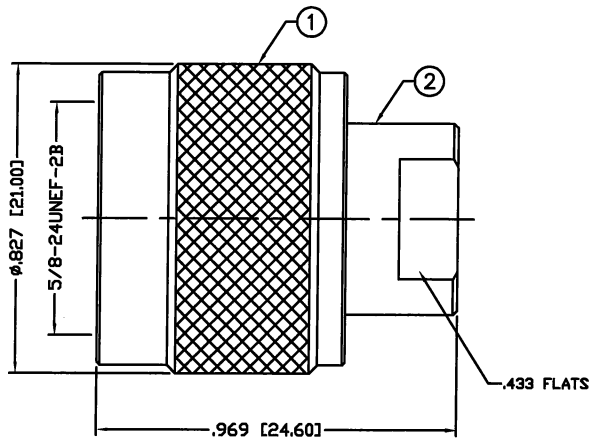


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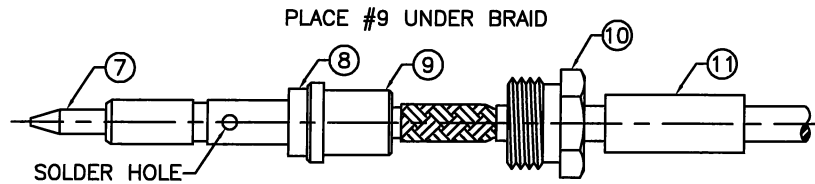
ALL DIMENSIONS ARE REFERENCE ONLY

|          |   |                       |         |          |
|----------|---|-----------------------|---------|----------|
| PART NO. |   | <b>RFN-1005-B1-03</b> |         |          |
| REV      | DESCRIPTION                               | DWN                   | DATE    | APPROVED |
| A        | ENGINEERING RELEASE                       | CZS                   | 3/16/99 | R. RICE  |
| B        | CHANGE DRAWING NUMBER / UPDATE DWG FORMAT | CZS                   | 6/14/01 | JDMc     |
|          |   |                       |         |          |

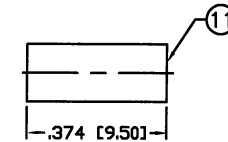


**SPECIFICATIONS:**

IMPEDANCE: 50 OHMS  
 FREQUENCY RANGE: 0-11 GHz  
 VSWR: 1.3 Max.  
 INSERTION LOSS: .06 dB Max.  $X\sqrt{f}$ GHZ  
 WORKING VOLTAGE: 1k V rms @ sea level  
 TEMPERATURE RANGE: -65°C TO 165°C  
 INSULATION RESISTANCE: 5k M Ohms min.  
 FOR RG-316/U DOUBLE SHIELD CABLE



NOTE COMPONENTS THAT MUST BE IN PLACE BEFORE INSERTING PIN INTO CONNECTOR



RECOMMENDED CRIMP SIZE .130

|    |                |     |          |               |
|----|----------------|-----|----------|---------------|
| 1  | COUPLING NUT   | 1   | BRASS    | NICKEL, 100μ" |
| 2  | BODY           | 1   | BRASS    | NICKEL, 100μ" |
| 3  | INSULATOR      | 1   | PTFE     | ----          |
| 4  | GROUND RING    | 1   | BRASS    | NICKEL, 100μ" |
| 5  | GASKET         | 1   | SILICONE | RED           |
| 6  | RETAINING RING | 1   | SUS 304  | ----          |
| 7  | PIN            | 1   | BRASS    | GOLD, 3μ"     |
| 8  | INSULATOR      | 1   | PTFE     | ----          |
| 9  | FERRULE STUD   | 1   | BRASS    | NICKEL, 100μ" |
| 10 | HEX NUT        | 1   | BRASS    | NICKEL, 100μ" |
| 11 | FERRULE        | 1   | BRASS    | NICKEL, 100μ" |
| 12 |                |     |          |               |
| 13 |                |     |          |               |
| 14 |                |     |          |               |
| #  | DESCRIPTION    | QTY | MATERIAL | FINISH        |

|           |         |
|-----------|---------|
| 008974    |         |
| DRAWN     |         |
| C. ZUNIGA | 6/14/01 |
| CHECKED   |         |
| ORJ DRAWN |         |
| C. ZUNIGA | 3/16/99 |
| 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]

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 (858) 549-6345 FAX

**RF connectors**  
 DIVISION OF RF INDUSTRIES, LTD.

## N CRIMP MALE

|            |             |                  |              |
|------------|-------------|------------------|--------------|
| SIZE       | CABLE GROUP | DWG NO.          | REV          |
| A          | B1          | RFN-1005-B1-03   | B            |
| SCALE: NTS |             | CAD FILE OUTLINE | SHEET 1 OF 1 |