

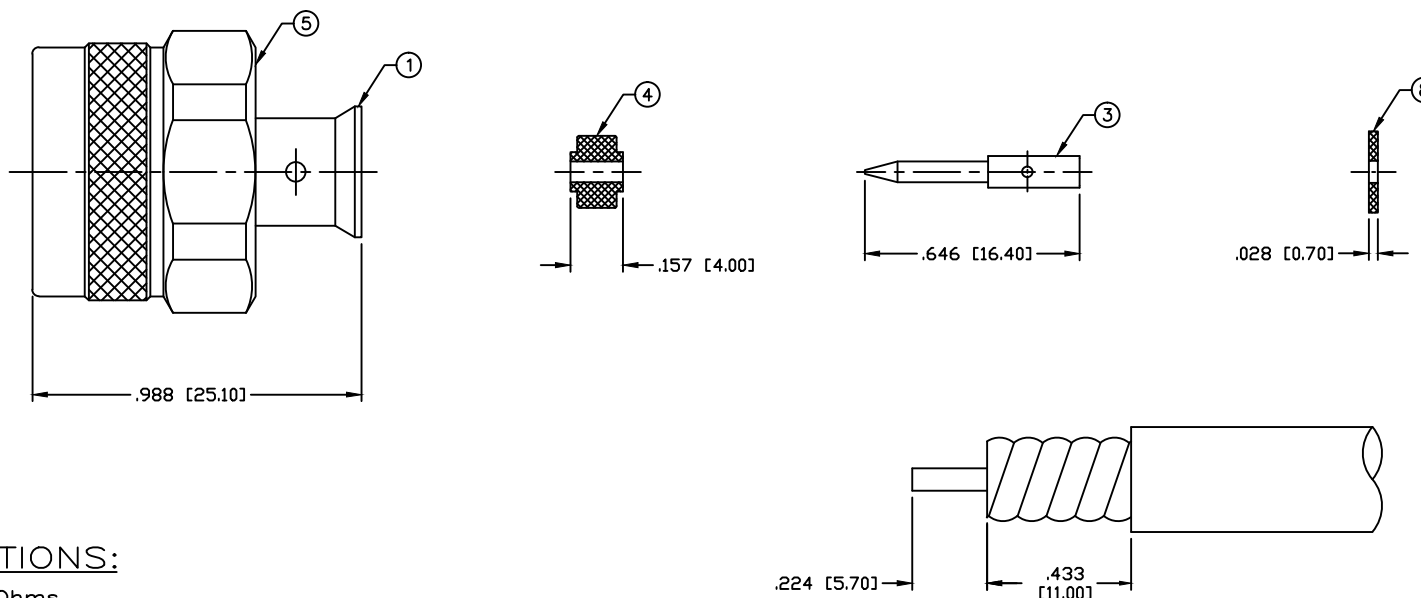
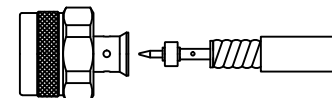
PART NO.

RFN-1002-HPL

| REV | DESCRIPTION | DWN | DATE | APPROVED |
|-----|---------------------|-----|----------|----------|
| - | ENGINEERING RELEASE | CZS | 08/18/14 | JDMc |

ASSEMBLY INSTRUCTIONS:

- Step 1: Cut end of cable evenly. Strip cable to dimensions as shown. All cuts are to be clean and square. Do not nick center conductor when cutting. If using heat shrink tubing slide onto cable first.
- Step 2: Slide spacer and pin onto cable center conductor until it yields against the cable dielectric. Solder pin in place.
- Step 3: Slide insert onto pin.
- Step 4: Insert the pin into the body until it yields against the back of the connector. Solder connector and cable outer conductor in place.



SPECIFICATIONS:

IMPEDANCE: 50 Ohms

FREQUENCY RANGE: 0–11 GHz

VSWR: <1.3:1 @ 9 GHz

INSERTION LOSS: $-0.06\text{dB} @ \sqrt{\text{GHz}}$ TEMPERATURE RANGE: -55°C TO 150°C

| # | DESCRIPTION | QTY | MATERIAL | FINISH |
|---|----------------|-----|----------|--------------|
| 8 | SPACER | 1 | PTFE | --- |
| 7 | RETAINING RING | 1 | BeCu | WHITE BRONZE |
| 6 | GASKET | 1 | RUBBER | --- |
| 5 | SHELL | 1 | BRASS | WHITE BRONZE |
| 4 | INSERT | 1 | PTFE | --- |
| 3 | PIN | 1 | BRASS | SILVER |
| 2 | INSULATOR | 1 | PTFE | --- |
| 1 | BODY | 1 | BRASS | WHITE BRONZE |

CUSTOMER
OUTLINE DRAWINGALL DIMENSIONS
ARE REFERENCE ONLYUNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
AND [MILLIMETERS]

| | | |
|-----------|-----------|----------|
| DRAWN | C. ZUNIGA | 08/18/14 |
| CHECKED | | |
| ORJ DRAWN | C. ZUNIGA | 08/18/14 |

**RoHS
COMPLIANT**

PROPRIETARY AND CONFIDENTIAL
THIS DRAWING CONTAINS
INFORMATION PROPRIETARY TO
RF INDUSTRIES. ANY
UNAUTHORIZED USE OF THIS
DRAWING IS EXPRESSLY
PROHIBITED WITHOUT WRITTEN
PERMISSION FROM RF
INDUSTRIES. ANY VIOLATION IS
PUNISHABLE UNDER U.S.
COPYRIGHT LAWS.

RFconnectors

DIVISION OF RF INDUSTRIES, LTD.

7610 MIRAMAR RD.
SAN DIEGO, CA 92126
(858) 549-6340
(858) 549-6345 FAX**N PLUG, SOLDER
FOR SPP-250**

| SIZE | CABLE GROUP | DWG NO. | REV |
|--------|-----------------|---------------------|-----|
| A | N/A | RFN-1002-HPL | --- |
| SCALE: | ENGINEERING ID: | SHEET 1 OF 1 | |
| NTS | 001787 | | |