

NOTES:

## I. MATERIALS AND FINISHES:

- |                 |                                                     |
|-----------------|-----------------------------------------------------|
| BODY            | - BRASS, BLACK CHROME PLATED                        |
| CRIMP BODY      | - BRASS, NICKEL PLATED                              |
| CONTACT         | - PHOSPHOR BRONZE, GOLD PLATED (.000030" THICK MIN) |
| BULLET CONTACT  | - BRASS, GOLD PLATED                                |
| CRIMP FERRULE   | - ANNEALED COPPER, NICKEL PLATED                    |
| INSULATOR       | - PTFE                                              |
| O-RING & GASKET | - SILICONE                                          |

## 2. ELECTRICAL:

- A. FREQUENCY RANGE = DC TO 3.0 GHz  
B. V.S.W.R. (RETURN LOSS) = 1.250 MAX. (-19.1 dB)

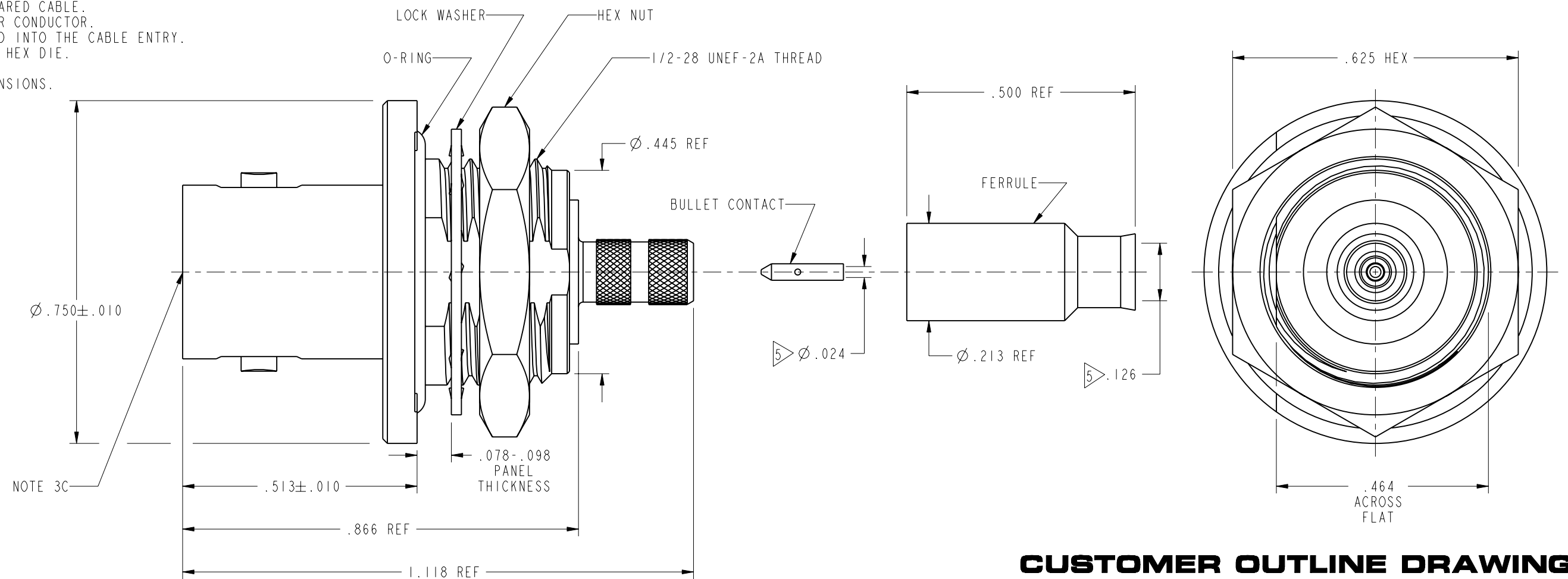
### 3. MECHANICAL:

- A. WATER PROTECTION IN UNMATED CONDITION PER IEC 529, IP67  
B. CONTINUOUS OPERATING TEMPERATURE: -40°C TO +85°C  
C. INTERFACE MEETS THE REQUIREMENTS OF MIL-STD-348, BNC SERIES

## 4. CABLE ASSEMBLY INSTRUCTIONS:

- A. TRIM CABLE AS SHOWN.
- B. SLIDE FERRULE OVER PREPARED CABLE.
- C. SOLDER CONTACT TO CENTER CONDUCTOR.
- D. SLIDE PREPARED CABLE END INTO THE CABLE ENTRY.
- E. CRIMP BODY USING A .178 HEX DIE.

5. INDICATES CABLE ENTRY DIMENSIONS.



# CUSTOMER OUTLINE DRAWING

ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                  |  |                            |  |                   |  |                                                                                      |               |                        |                                                                                            |  |          |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|--|----------------------------|--|-------------------|--|--------------------------------------------------------------------------------------|---------------|------------------------|--------------------------------------------------------------------------------------------|--|----------|--|
| UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES AND TOLERANCES ARE:<br>2 PLACE DECIMAL      3 PLACE DECIMAL      ANGLES<br>±.015 (0,381 mm)      ±.005 (0,127 mm)      ± 1°<br><br>NOTICE - These drawings, specifications, or other data (1) are, and remain the property of Amphenol Corp. (2) must be returned upon request; and (3) are confidential and not to be disclosed to any person other than those to whom they are given by Amphenol Corp. The furnishing of these drawings, specifications, or other data by Amphenol Corp., or to any other person to anyone for any purpose is not to be regarded by implication or otherwise in any manner licensing, granting rights or permitting such holder or any other person to manufacture, use or sell any product, process or design, patented or otherwise, that may in any way be related to or disclosed by said drawings, specifications, or other data. | MATERIAL                                         |  | DRAWN<br>M. HOYACK         |  | DATE<br>10-Oct-04 |  | TITLE<br>BNC JACK, BULKHEAD<br>FRONT MOUNT, SEALED<br>FOR RD-316 AND RG-316<br>CABLE |               |                        | Amphenol RF<br>Danbury, CT, USA<br>Tainan, Taiwan<br>Shenzhen, China<br>www.amphenolrf.com |  |          |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                  |  | ENGINEER<br>M. HOYACK      |  | DATE<br>19-Oct-04 |  |                                                                                      |               |                        |                                                                                            |  |          |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | REFERENCE                                        |  | APPROVED<br>B.C. GLEISSNER |  | DATE<br>11/8/04   |  |                                                                                      |               |                        |                                                                                            |  |          |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | EAR# 1380<br>GEN# 611X-4158-100<br>611X-4191-200 |  | CAD FILE<br>1:\TNC\31-6231 |  |                   |  | CODE ID<br>74868                                                                     | DWG SIZE<br>B | DRAWING NO.<br>31-6231 |                                                                                            |  | REV<br>B |  |