

1. MATERIALS AND FINISHES:  
 BODY - BRASS, WHITE BRONZE PLATING  
 CONTACT - BeCu & BRASS, SILVER PLATING  
 INSULATOR - PTFE, NATURAL  
 INSULATOR BEAD - PTFE, NATURAL  
 GASKET - SILICONE RUBBER, RED  
 LOCKWASHER - BRASS, WHITE BRONZE PLATING  
 HEX NUT - BRASS, WHITE BRONZE PLATING

2. ELECTRICAL:  
 A. IMPEDANCE: 50 OHM  
 B. FREQUENCY RANGE: DC - 18 GHz  
 C. VSWR(RETURN LOSS): 1.15 MAX. @ DC - 6 GHz  
                                   1.20 MAX. @ 6 - 12 GHz  
                                   1.25 MAX. @ 12 - 18 GHz  
 D. DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS, MIN.  
 E. INTERMODULATION 3rd ORDER: -150dBc @2X20W

3. MECHANICAL:

- A. DURABILITY: 500 CYCLES MIN.
- B. TEMPERATURE RANGE: -65° C TO +165° C
- C. RECOMMENDED PANEL TORQUE: 30 IN-LBS

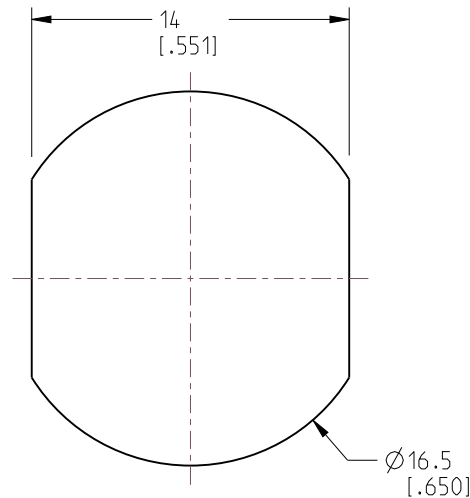
|4> INDICATES CABLE ENTRY DIMENSIONS

### 5. ASSEMBLY INSTRUCTIONS:

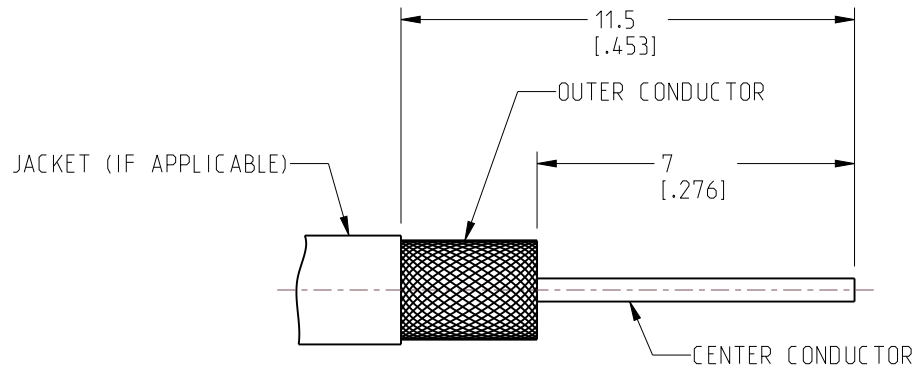
- A. FOR SEMI-RIGID CABLE, THERMALLY CYCLE ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
- B. STRIP CABLE AND INSERT THROUGH SHRINK TUBE.
- C. INSERT INSULATOR BEAD OVER CENTER CONDUCTOR AND SOLDER BULLET CONTACT.
- D. INSERT CABLE AND BULLET CONTACT INTO BODY ASSEMBLY UNTIL CABLE BOTTOMS. APPROX. 2.5 MM OF CABLE OUTER CONDUCTOR SHOULD BE INSERTED.
- E. SOLDER BODY ONTO CABLE. 250 WATT SOLDERING IRON RECOMMENDED. USE OF FLUX RECOMMENDED.

6. PACKAGING:

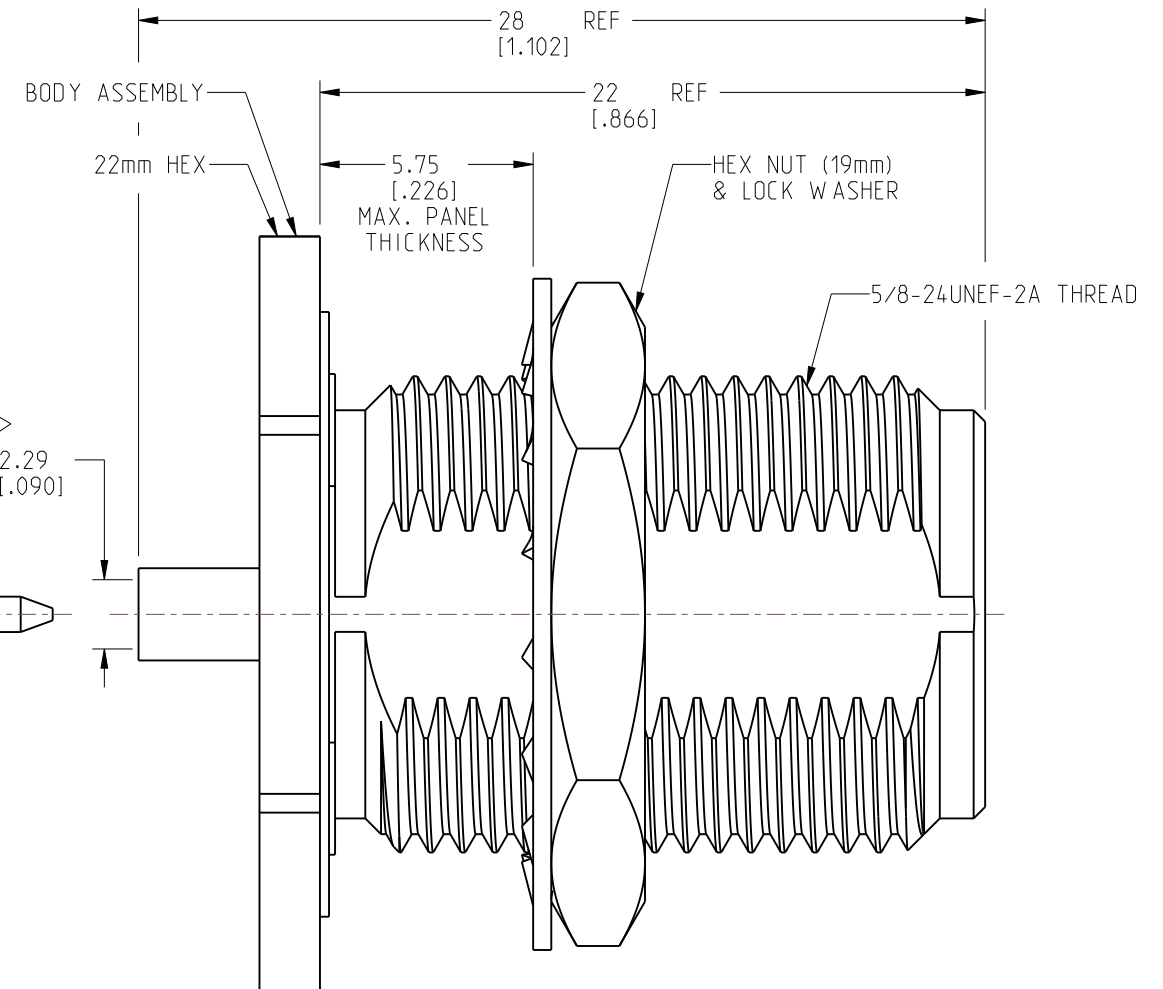
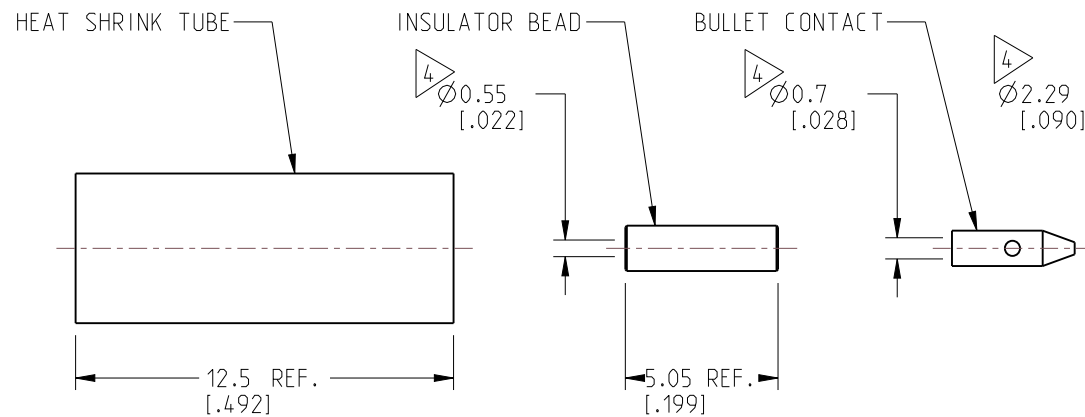
A. QUANTITY: SINGLE PACK  
B. MARKING: BAG TO BE MARKED  
"AMPHENOL, 82-6766, AND DATE CODE"



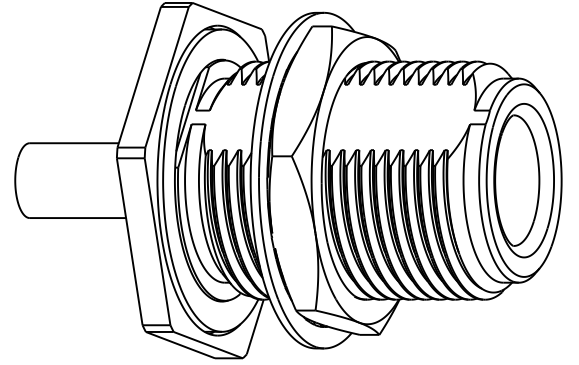
## RECOMMENDED MOUNTING HOLE



## RECOMMENDED CABLE STRIPPING DIMENSIONS



REVISIONS				
REV	DESCRIPTION	DATE	ECN	APPR
A	RELEASE TO MFG.	12-JUL-21	15804	SH



## CUSTOMER OUTLINE DRAWING

ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

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UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE METRIC [INCHES] AND TOLERANCES ARE:

<0.5mm = ±0.05mm	[<0.020 = ±0.002]
>0.5 - 6mm = ±0.1mm	[>0.020 - 0.236 = ±0.004]
>6.00 - 30mm = ±0.2mm	[>0.236 - 1.181 = ±0.008]
>30.00 - 120mm = ±0.3mm	[>1.181 - 4.725 = ±0.012]

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 ANGLES =  $\pm 1^\circ$

MATERIAL	SEE NOTES
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ENGINEER  
E.W.U

DATE	28-JUN-21
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TITLE
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18 GHz TYPE N BHD JACK  
IP67 FOR .085"  
SEMI-RIGID & CONFORMABLE

SHEET NO. 2 OF 2

SCALE: 4.0:1.0

# Amphenol RF

SIZE	DRAWING NO. 82-6766
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ITEM NO.	82-6766
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B	PART NO. 82-6766
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EV

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