NOTES:

1. MATERIALS AND FINISHES:
   BODY, INNER FERRULE, HEX NUT,
   SLEEVE & LOCK WASHER - BRASS, NICKEL PLATING
   CONTACT - BeCu, GOLD PLATING
   BULLET CONTACT - BRASS, GOLD PLATING
   INSULATOR & INSULATOR DISC - PTFE, NATURAL
   O-RING & GASKET - SILICONE RUBBER, RED

2. ELECTRICAL:
   A. IMPEDANCE: 50 OHM
   B. FREQUENCY RANGE: DC - 9 GHz
   C. VSWR: 1.30 MAX. @ DC - 3 GHz
   1.40 MAX. @ 3 - 6 GHz
   1.60 MAX. @ 6 - 9 GHz
   D. DIELECTRIC WITHSTANDING VOLTAGE: 500 VRMS, MIN.

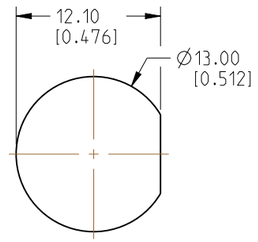
3. MECHANICAL:
   A. DURABILITY: 500 CYCLES MIN.
   B. TEMPERATURE RANGE: -65°C TO +165°C
   C. SEALING: MEETS IP-67 REQUIREMENTS IN UNMATED CONDITION

4. PACKAGING:
   A. QUANTITY: SINGLE PACK
   B. MARKING: PACKAGING TO BE MARKED
   "AMPHENOL RF, 31-7000 & DATE CODE"

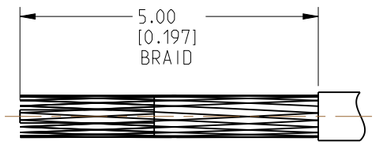
5. CABLE ASSEMBLY INSTRUCTIONS:
   A. TRIM CABLE AS SHOWN (TWO STAGE TRIM).
   B. INSERT CABLE THROUGH INNER FERRULE AND PEEL BRAID BACK, OVER INNER FERRULE.
   C. INSTALL SLEEVE AND INSULATOR DISC OVER CABLE, BOTTOMING ON INNER FERRULE.
   D. SOLDER BULLET CONTACT TO CABLE CENTER CONDUCTOR, BOTTOMING ON INSULATOR DISC.
   E. INSERT CABLE INTO CONNECTOR UNTIL IT BOTTOMS.
   F. CRIMP BODY OVER INNER FERRULE USING .105" HEX

6. SHOWS CABLE ENTRY DIMENSIONS.

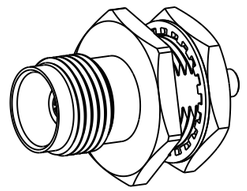
REVISIONS				
REV	DESCRIPTION	DATE	ECN	BY
A	RELEASE TO MFG.	02-FEB-23	16553	SH



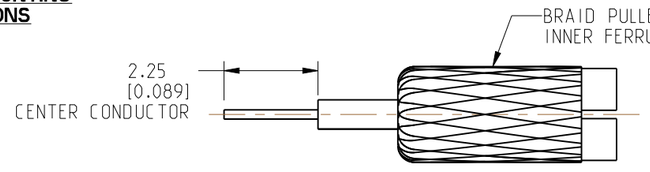
RECOMMENDED MOUNTING HOLE DIMENSIONS



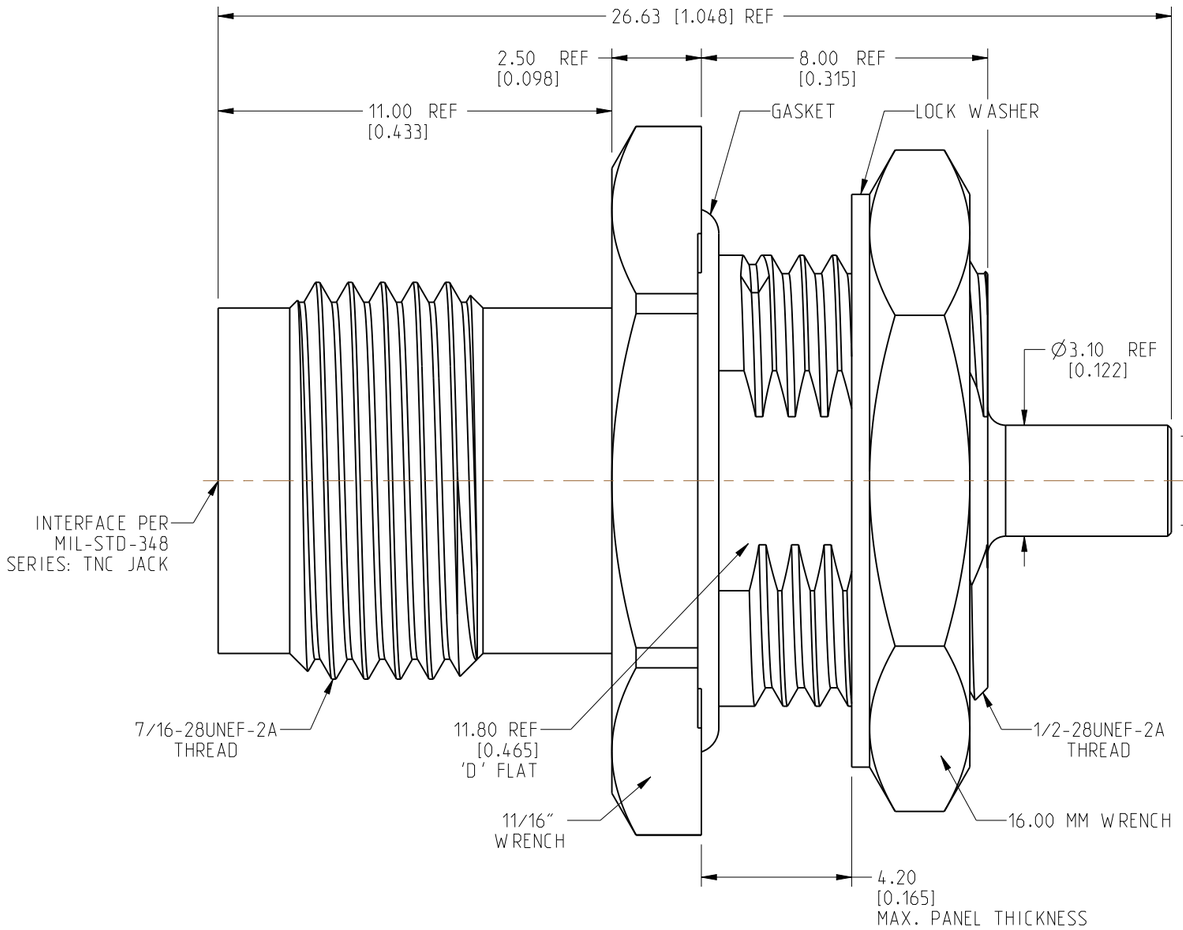
RECOMMENDED CABLE STRIPPING DIMENSIONS (TRIM 1)

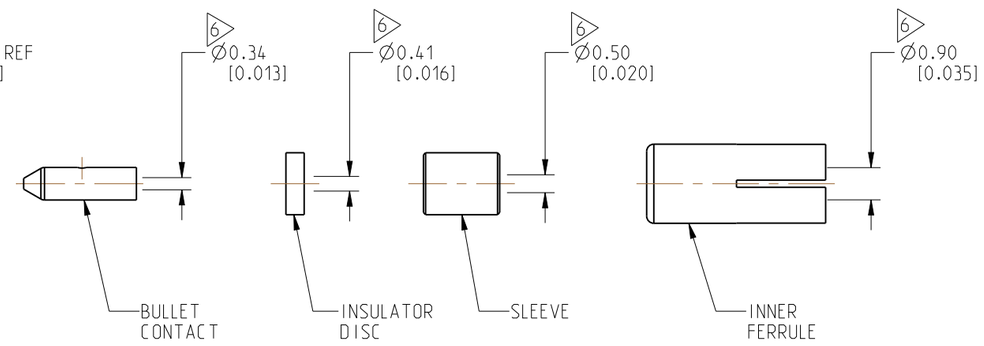


SCALE 1.500



RECOMMENDED CABLE STRIPPING DIMENSIONS (TRIM 2)





CUSTOMER OUTLINE DRAWING

ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

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THIRD ANGLE PROJ.

REFERENCE

EAR# 10560

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]
ANGLES = ±1°

MATERIAL: SEE NOTES

ENGR.1: KARTHIK R
ENGR.2: M.ZHANG
DATE: 22-DEC-22

TITLE: TNC STR BHD JACK FRONT MOUNT IP 67 FOR 0.81 MM CABLE

SHEET NO. 2 OF 2
SCALE: 6.0:1.0

Amphenol RF

SIZE B
DRAWING NO. 31-7000
ITEM NO. 31-7000
PART NO. 31-7000
REV A