NOTES:

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

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

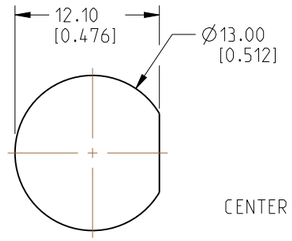
3. MECHANICAL:
   A. DURABILITY: 500 CYCLES MIN.
   B. TEMPERATURE RANGE: -65°C TO +165°C
   C. SEALING: MEETS IP-67 REQUIREMENTS IN UNMATED CONDITION

4. PACKAGING:
   A. QUANTITY: SINGLE PACK
   B. MARKING: PACKAGING TO BE MARKED
      "AMPHENOL RF, 31-7003 DATE CODE"

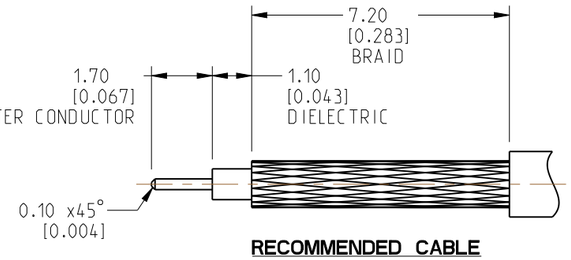
5. CABLE ASSEMBLY INSTRUCTIONS:
   A. TRIM CABLE AS SHOWN.
   B. SLIDE FERRULE ONTO CABLE.
   C. SOLDER CABLE CENTER CONDUCTOR TO BULLET CONTACT.
   D. INSERT CABLE WITH FOIL ENTERING CONNECTOR AND BRAID OVER KNURL.
   E. CRIMP FERRULE OVER BRAID WITH 0.105" HEX.

6 SHOWS CABLE ENTRY DIMENSIONS.

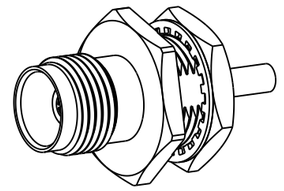
REVISIONS				
REV	DESCRIPTION	DATE	ECN	BY
A	RELEASE TO MFG.	02-FEB-23	16554	SH
B	0.105" HEX WAS 0.110" HEX	11-DEC-23	16848	SH



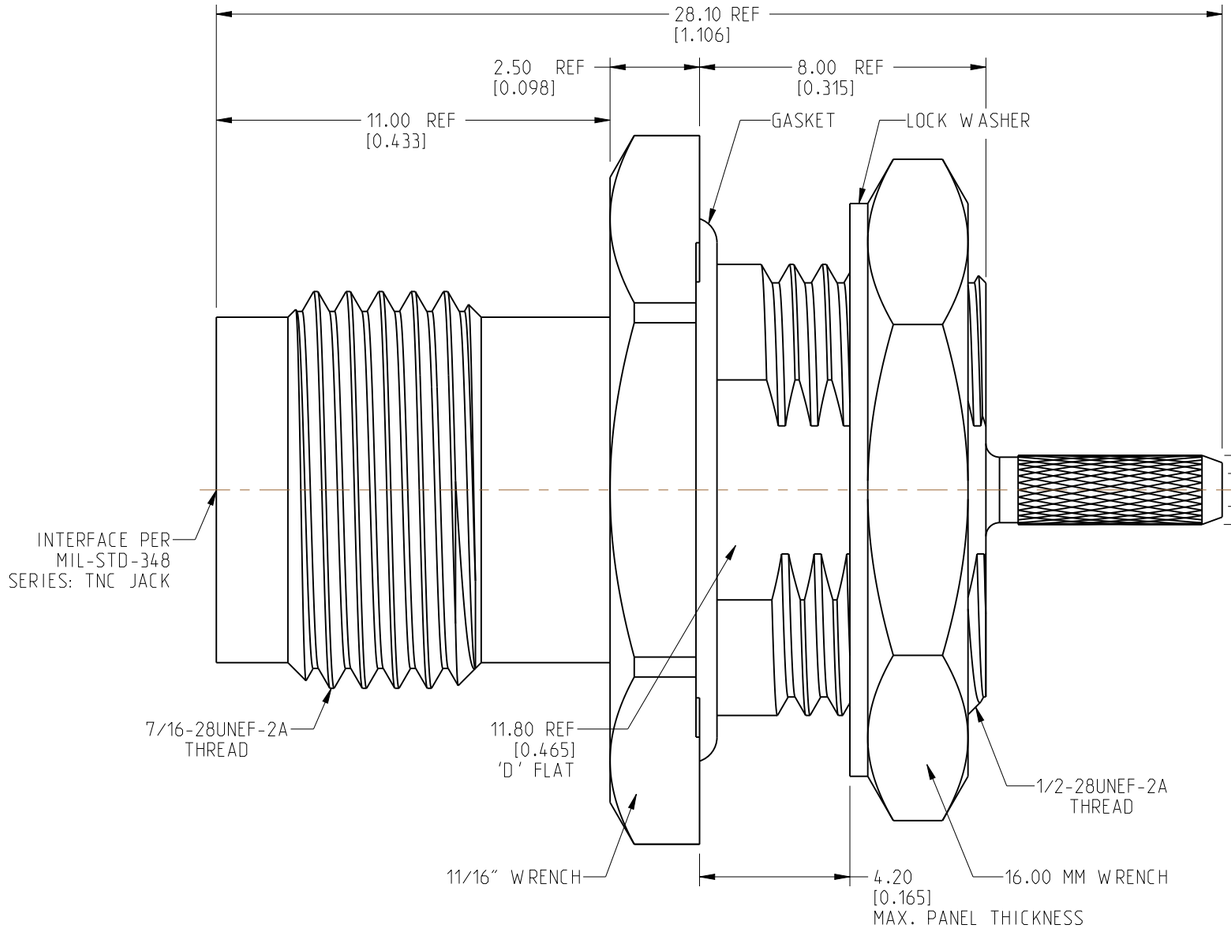
RECOMMENDED MOUNTING HOLE DIMENSIONS

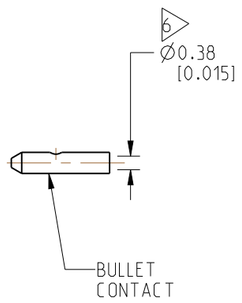


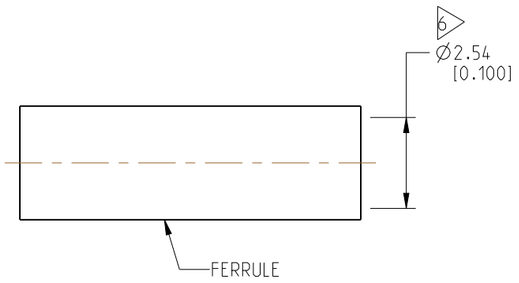
RECOMMENDED CABLE STRIPPING DIMENSIONS



SCALE 1.500







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	ENGR.2	DATE
KAVI S	M.ZHANG	19-Oct-23

TITLE: TNC STR BHD JACK FRONT MOUNT IP 67 FOR RG 178 CABLE

SHEET NO. 2 OF 2 | SCALE: 6.0:1.0

Amphenol RF

SIZE	DRAWING NO.	REV
B	31-7003	B
	ITEM NO. 31-7003	
	PART NO. 31-7003	