

1. MATERIALS AND FINISHES:  
BODY, INNER FERRULE &  
SLEEVE - BRASS, NICKEL PLATING  
CONTACT - BeCu, GOLD PLATING  
BULLET CONTACT - BRASS, GOLD PLATING  
INSULATOR & INSULATOR DISC - PTFE, NATURAL

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  
1.50 MAX. @ 6 - 7.1 GHz  
D. DIELECTRIC WITHSTANDING VOLTAGE: 500 VRMS, MIN.

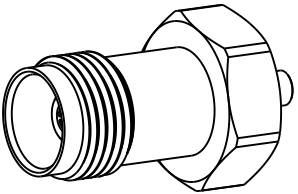
3. MECHANICAL:  
A. DURABILITY: 500 CYCLES MIN.  
B. TEMPERATURE RANGE: -65°C TO +165°C

4. PACKAGING:  
A. QUANTITY: SINGLE PACK  
B. MARKING: PACKAGING TO BE MARKED  
"AMPHENOL RF, 31-6971 AND DATE CODE"

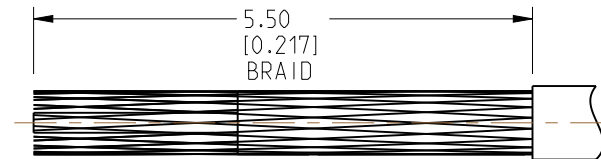
5. CABLE ASSEMBLY INSTRUCTIONS:
  - A. TRIM CABLE AS SHOWN (TWO STAGE TRIM).
  - B. INSERT CABLE THROUGH INNER FERRULE AND PEEL BRAID BACK, OVER INNER FERRULE.
  - C. INSTALL SLEEVE AND INSULATOR DISC OVER CABLE, BOTTOMING ON INNER FERRULE.
  - D. SOLDER BULLET CONTACT TO CABLE CENTER CONDUCTOR, BOTTOMING ON INSULATOR DISC.
  - E. INSERT CABLE INTO CONNECTOR UNTIL IT BOTTOMS.
  - F. CRIMP BODY OVER INNER FERRULE USING 0.105" HEX.

6. SHOWS CABLE ENTRY DIMENSIONS.

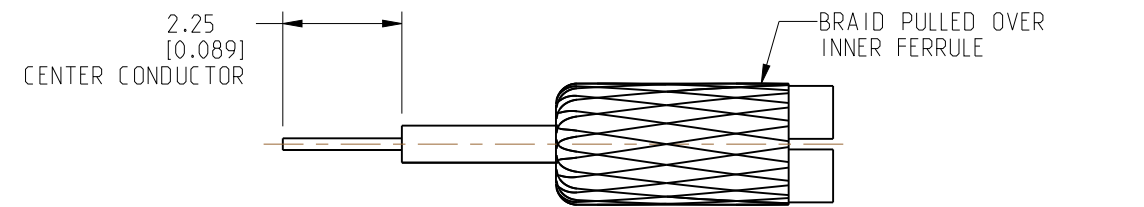
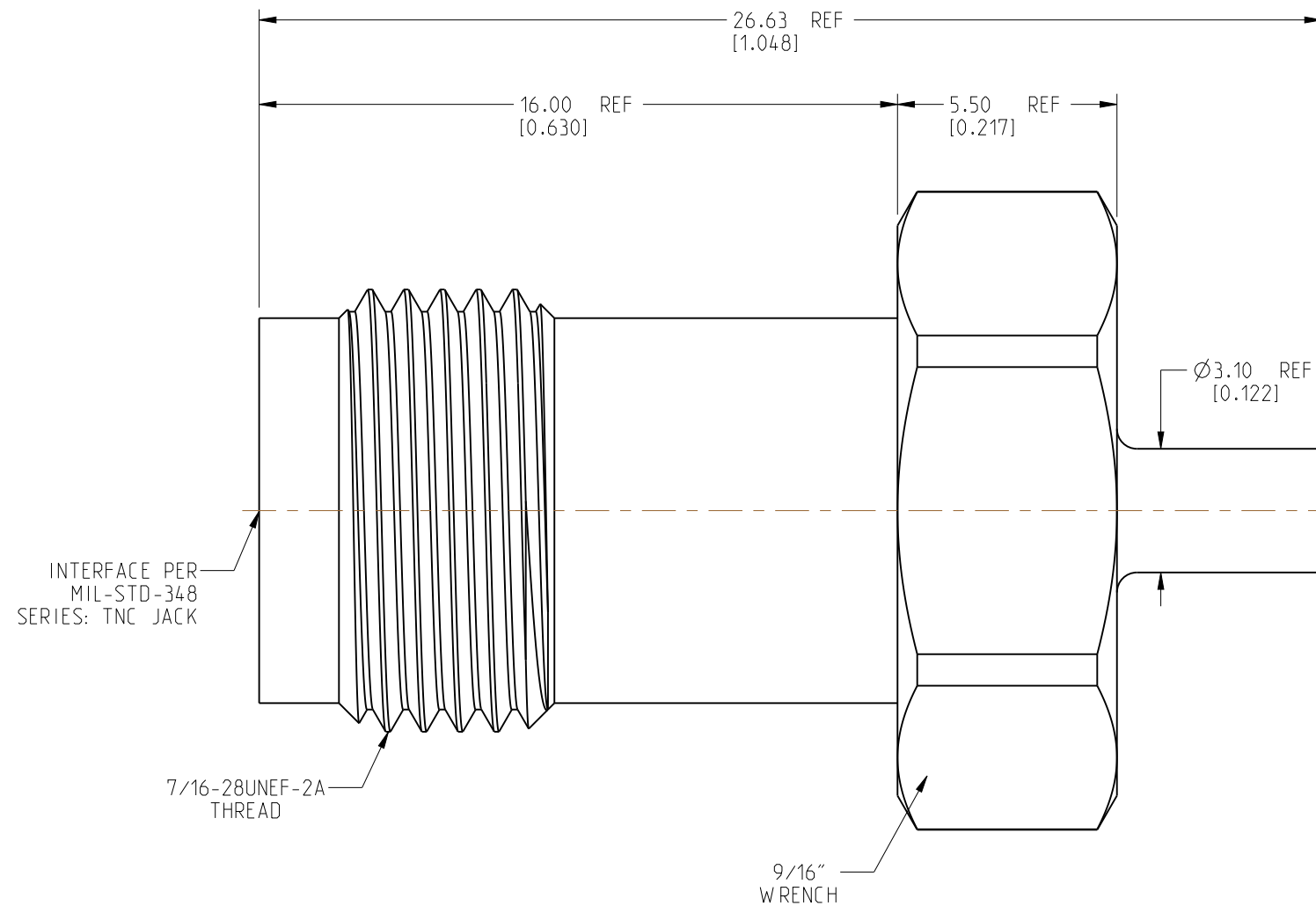
REVISIONS				
REV	DESCRIPTION	DATE	ECN	BY
A	RELEASE TO MFG.	07-JUN-24	17060	SH



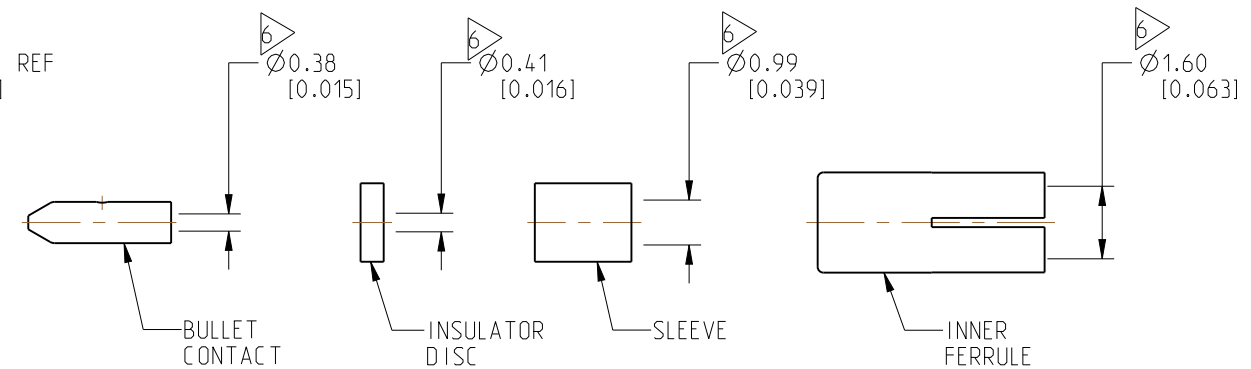
SCALE 1.500



### RECOMMENDED CABLE STRIPPING DIMENSIONS (TRIM 1)



### RECOMMENDED CABLE STRIPPING DIMENSIONS (TRIM 2)



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
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SEE NOTES

ENGR.1  
BRANDON

ENGR.2

DATE \_\_\_\_\_

01-FEB-21

TITLE
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TNC STR JACK FOR  
1.37 MM CABLE

SHEET NO. 2 OF 2

SCALE: 6.0:1.0

SIZE
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SIZE	DRAWING NO. 31-6971
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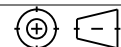
ITEM NO.	31-6971
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B	31-6971
	PART NO. 31-6971

REV

# Amphenol RF

THIRD ANGLE PROJ.



REFERENCE
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EAR#	10196
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