

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.

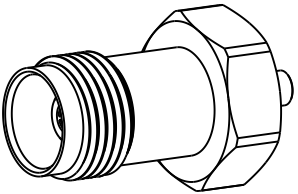
3. MECHANICAL:
A. DURABILITY: 500 CYCLES MIN.
B. TEMPERATURE RANGE: -65°C TO $+165^{\circ}\text{C}$

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

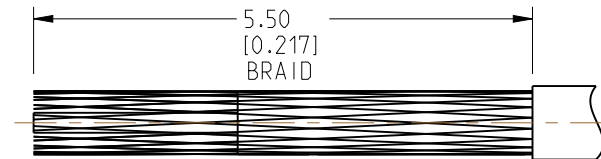
5. CABLE ASSEMBLY INSTRUCTIONS:
 - A. TRIM CABLE AS SHOWN (TWO STAGE TRIM).
 - B. INSERT CABLE THROUGH INNER FERRULE AND PEEL BRAID BACK, OVER INNER FERRULE.
 - C. INSTALL SLEEVE AND INSULATOR DISC OVER CABLE, BOTTOMING ON INNER FERRULE.
 - D. SOLDER BULLET CONTACT TO CABLE CENTER CONDUCTOR, BOTTOMING 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.

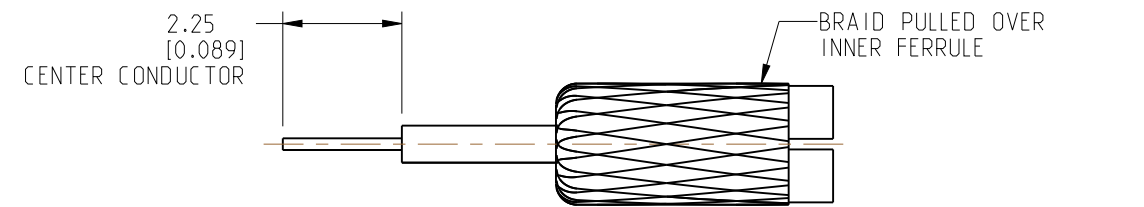
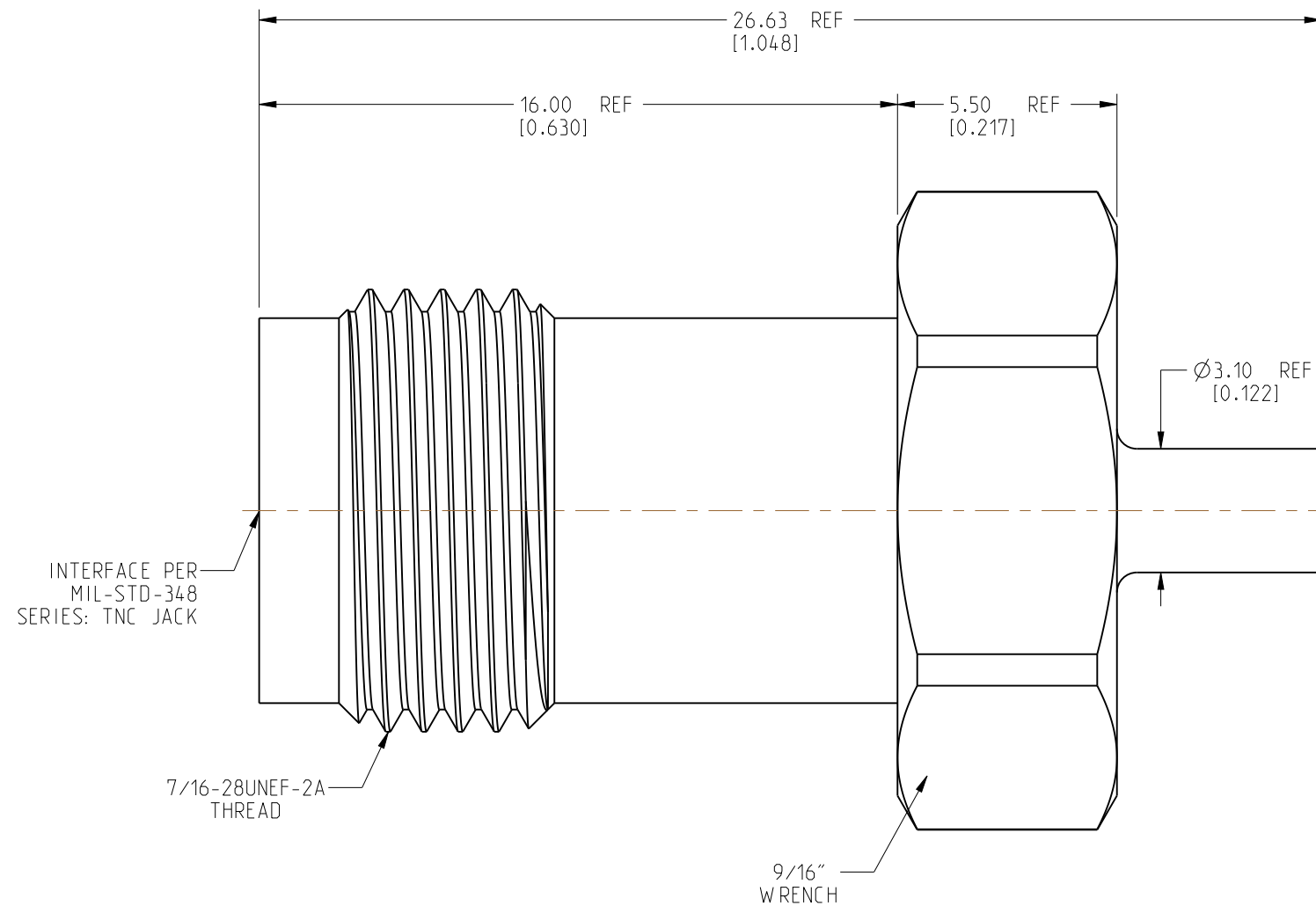
REVISIONS				
REV	DESCRIPTION	DATE	ECN	BY
A	RELEASE TO MFG.	07-JUN-24	17060	SH



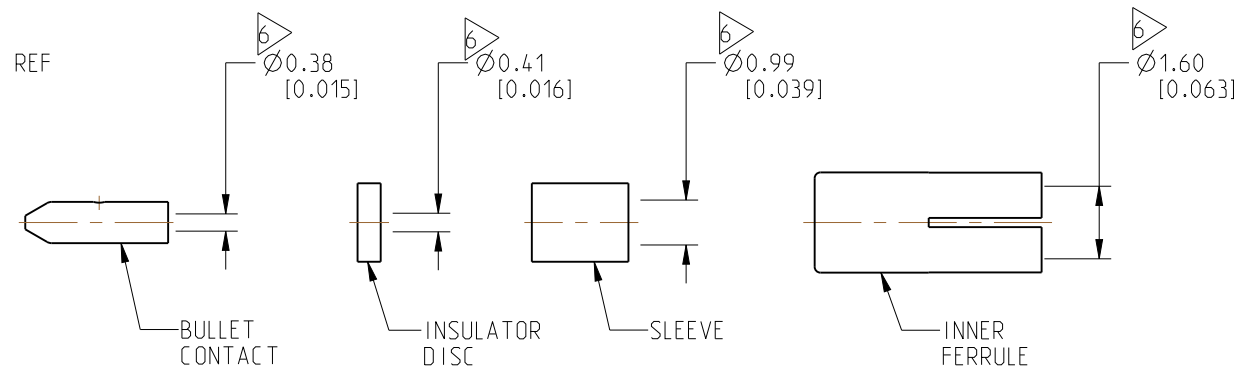
SCALE 1.500



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]

MATERIAL

SEE NOTES

ENGR.1
BRANDON

ENGR.2

DATE	01-FEB-21
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TITLE

TNC STR JACK FOR
1.37 MM CABLE

SHEET NO. 2 OF 2

SCALE: 6.0:1.0

SIZE

DRAWING NO.	31-6971
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ITEM NO.	31-6971
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PART NO.	31-6971
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REV

A

THIRD ANGLE PROJ.



REFERENCE

EAR#	10196
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