NOTES:

1. MATERIALS AND FINISHES:
   BODY, SLEEVE, INNER FERRULE &
   COUPLING NUT - BRASS, NICKEL PLATING
   CONTACT - BeCu, GOLD PLATING
   BULLET CONTACT - BRASS, GOLD PLATING
   RETAINING RING - PHOSPHOR BRONZE, NICKEL PLATING
   INSULATOR & INSULATOR DISC - PTFE, NATURAL
   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
            1.50 MAX. @ 6 - 7.1 GHz
   D. DIELECTRIC WITHSTANDING VOLTAGE: 500 VRMS, MIN.

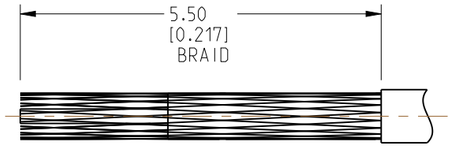
3. MECHANICAL:
   A. DURABILITY: 500 CYCLES MIN.
   B. TEMPERATURE RANGE: -65°C TO +165°C

4. PACKAGING:
   A. QUANTITY: SINGLE PACK
   B. MARKING: PACKAGING TO BE MARKED
      "AMPHENOL RF, 31-6980 AND DATE CODE"

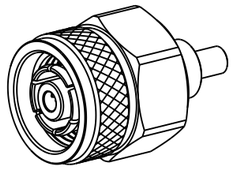
5. CABLE ASSEMBLY INSTRUCTIONS:
   A. TRIM CABLE AS SHOWN (TWO STAGE TRIM).
   B. INSERT CABLE THROUGH INNER FERRULE AND PEEL BRAID BACK, OVER INNER FERRULE.
   C. INSTALL SLEEVE AND INSULATOR DISC OVER CABLE, BOTTOMING ON INNER FERRULE.
   D. SOLDER BULLET CONTACT TO CABLE CENTER CONDUCTOR, BOTTOMING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

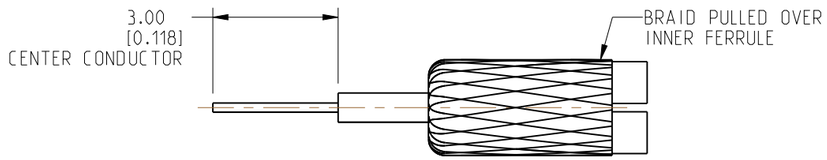
REVISIONS				
REV	DESCRIPTION	DATE	ECN	BY
A	RELEASE TO MFG.	07-JUN-24	17058	SH



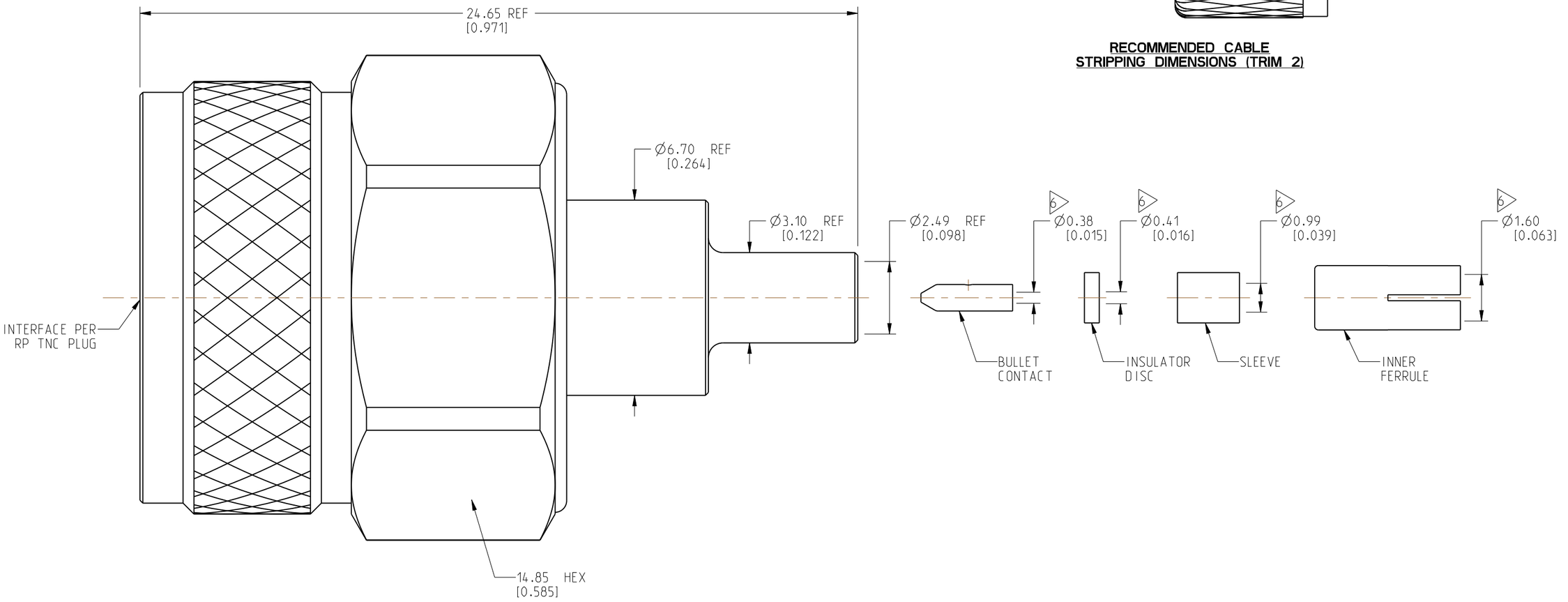
RECOMMENDED CABLE
STRIPPING DIMENSIONS (TRIM 1)



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#
	10194

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			TITLE	
SEE NOTES			RP TNC STR PLUG FOR 1.37 MM CABLE	
ENGR.1 VIJI K	ENGR.2 L.QIN	DATE 22-FEB-21	SHEET NO. 2 OF 2	SCALE: 7.0:1.0

Amphenol RF

SIZE	DRAWING NO.	REV
B	31-6980	A
	ITEM NO. 31-6980	
	PART NO. 31-6980	