NOTES:

1. MATERIALS AND FINISHES:
   BODY, REAR BODY, COUPLING NUT, CAP
   & INNER FERRULE - BRASS, NICKEL PLATING
   CONTACT - BRASS, GOLD PLATING
   INSULATOR - PTFE, NATURAL
   RETAINING RING - PHOSPHOR BRONZE, NICKEL PLATING
   GASKET - SILICONE RUBBER, RED

2. ELECTRICAL:
   A. IMPEDANCE: 50 OHM
   B. FREQUENCY RANGE: DC - 7.1 GHz
   C. VSWR: 1.30 MAX. @ DC - 3 GHz
   1.40 MAX. @ 3 - 6 GHz
   D. DIELECTRIC WITHSTANDING VOLTAGE: 500 VRMS, MIN.

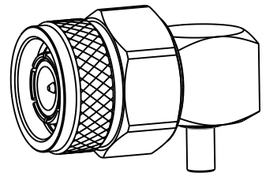
3. MECHANICAL:
   A. DURABILITY: 500 CYCLES MIN.
   B. TEMPERATURE RANGE: -65°C TO +165°C

4. PACKAGING:
   A. QUANTITY: SINGLE PACK
   B. MARKING: PACKAGING TO BE MARKED
   "AMPHENOL RF, 31-6966 AND DATE CODE"

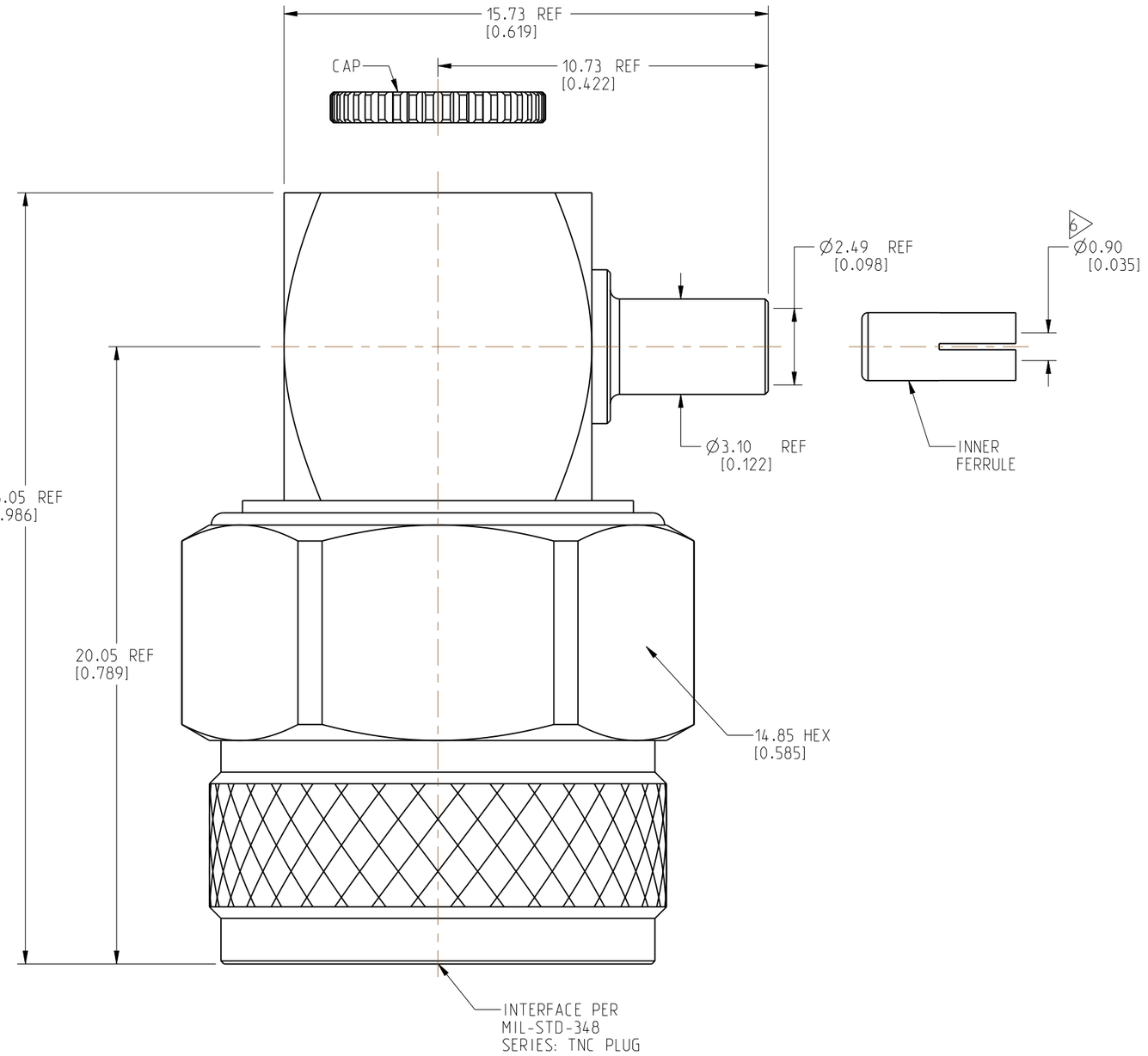
5. CABLE ASSEMBLY INSTRUCTIONS:
   A. TRIM CABLE AS SHOWN (TWO STAGE TRIM).
   B. INSERT CABLE THROUGH INNER FERRULE AND PEEL BRAID BACK, OVER INNER FERRULE.
   C. INSERT CABLE INTO THE CONNECTOR.
   D. SOLDER CONTACT TO CABLE CENTER CONDUCTOR.
   E. CRIMP BODY OVER INNER FERRULE USING 0.105" HEX.
   F. PRESS CAP FLUSH.

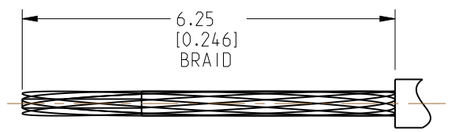
6 SHOWS CABLE ENTRY DIMENSIONS.

REVISIONS				
REV	DESCRIPTION	DATE	ECN	BY
A	RELEASE TO MFG.	24-SEP-24	17177	SH

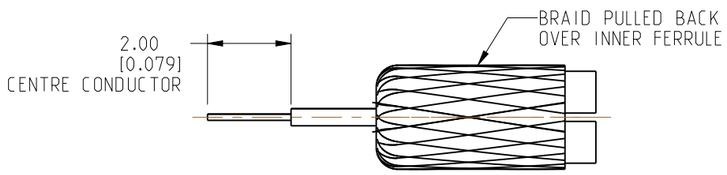


SCALE 1.500





RECOMMENDED CABLE STRIPPING DIMENSIONS (TRIM 1)



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#
	10195

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			TNC RA PLUG FOR 0.81 MM CABLE	
ENGR.1	ENGR.2	DATE	SHEET NO. 2 OF 2	SCALE: 6.0:1.0
R KARTHIK		31-MAY-24		

Amphenol RF

SIZE	DRAWING NO.	REV
B	31-6966	A
	ITEM NO. 31-6966	
	PART NO. 31-6966	