

1. MATERIALS AND FINISHES:
BODY, REAR BODY, COUPLING NUT,
CAP & INNER FERRULE- BRASS, NICKEL PLATING
CONTACT - BeCu, 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, 31-6984 AND DATE CODE"
 - C. CAP AND INNER FERRULE ARE PACKAGED LOOSE.
5. CABLE ASSEMBLY INSTRUCTIONS:
 - A. TRIM CABLE AS SHOWN (TWO STAGE TRIM).
 - B. INSERT CABLE THROUGH INNER FERRULE AND PEEL Braid 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.

1.90
[0.075]
TO BRAID

7.25
[0.285]

This diagram shows a cross-section of a cable. It features a central core with a diameter of 1.90 [0.075] inches, labeled "TO BRAID". This core is surrounded by a braided shield. The total diameter of the cable, including the braid, is 7.25 [0.285] inches. The braid is depicted with a series of overlapping diamond shapes representing the braiding pattern.

Diagram illustrating the assembly of a cable with a center conductor and a braided shield. The center conductor is labeled "CENTRE CONDUCTOR" and has a diameter of 3.00 [0.118]. The braided shield is labeled "BRAID PULLED BACK OVER INNER FERRULE".

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ANGLES = $\pm 1^\circ$

SEE NOTES

ENGR.2
JACK LIANG

DATE	22-FEB-21
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RP TNC RA PLUG
FOR 1.37 MM CABLE

SHEET NO. 2 OF 2

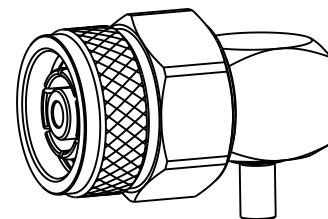
SCALE: 6.5:1.0

Amphenol RF

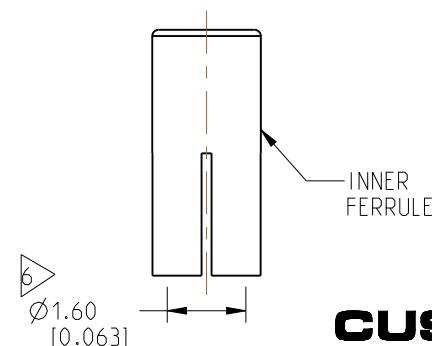
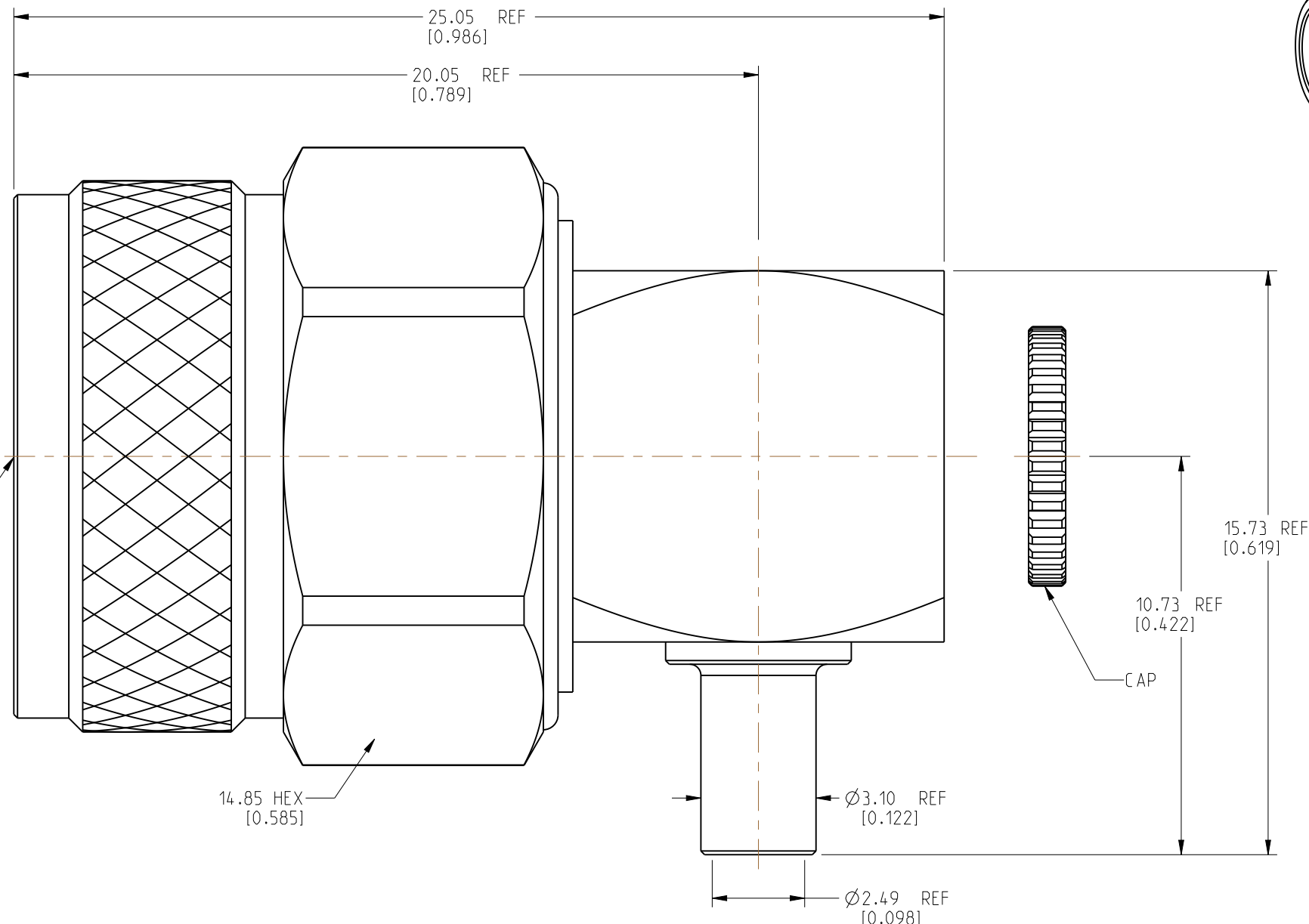
SIZE B	DRAWING NO.	31-6984
	ITEM NO.	31-6984
	PART NO.	31-6984

REV
A

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



SCALE 1.500



CUSTOMER OUTLINE DRAWING

THIRD ANGLE PROJ. 

REFERENCE

EAR#	10195
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5

4

3

2

1

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