

1. MATERIALS AND FINISHES:
BODY, REAR BODY, RETAINER RING, COVER, WASHER &
INNER FERRULE - BRASS, NICKEL PLATING
CONTACT - BRASS, GOLD PLATING
SPRING - BeCu, NICKEL PLATING
INSULATOR - PTFE, NATURAL
COUPLING NUT - ZINC ALLOY, 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, 31-6997 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.

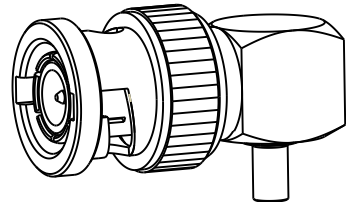
6.25
[0.246]
BRAID

RECOMMENDED CABLE STRIPPING DIMENSIONS (TRIM 1)

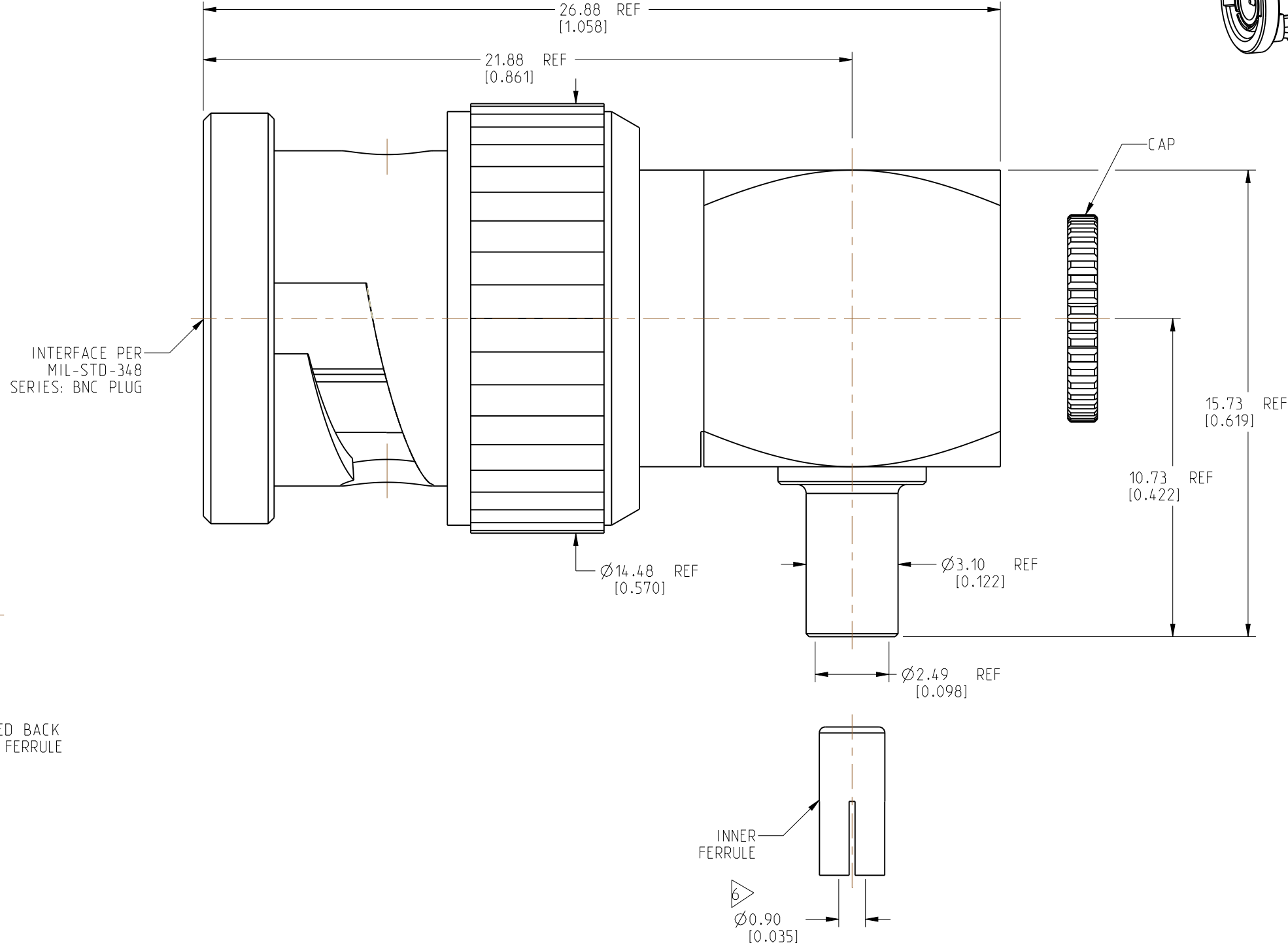
2.80
[0.110]
CENTER CONDUCTOR

BRAID PULLED BACK
OVER INNER FERRULE

RECOMMENDED CABLE STRIPPING DIMENSIONS (TRIM 2)



SCALE 1.500



CUSTOMER OUTLINE DRAWING

ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

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UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE METRIC (INCHES) AND TOLERANCES ARE:

<0.5mm = $\pm 0.05\text{mm}$	[<0.020 = ± 0.002]
>0.5 - 6mm = $\pm 0.1\text{mm}$	[>0.020 - 0.236 = ± 0.004]
>6.00 - 30mm = $\pm 0.2\text{mm}$	[>0.236 - 1.181 = ± 0.008]
>30.00 - 120mm = $\pm 0.3\text{mm}$	[>1.181 - 4.725 = ± 0.012]

MATERIAL

SEE NOTES

DATE _____

TITLE

BNC RA PLUG
FOR 0.81 MM CABLE

SIZE

DRAWING NO. 31 6997

ITEM NO. 31-6997

PART NO. 31-6997

REV

A

THIRD ANGLE PROJ.

REFERENCE

EAR#	
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ANGLES = $\pm 1^\circ$

ENGR.1

ENGR.2

DATE _____

SHEET NO. 2 OF 2

SCALE: 6 0-1 0

B

DRAWING NO. 31 6997

ITEM NO. 31-6997

PART NO. 31-6997

REV

A