

1. MATERIALS AND FINISHES:
BODY - PHOSPHOR BRONZE, NICKEL PLATING
SHELL, WASHER & FERRULE - BRASS, NICKEL PLATING
CONTACT - BRASS, GOLD PLATING
INSULATOR - PTFE
GASKET - RUBBER, RED
RETAINING RING - BRASS, NICKEL PLATING
SPRING - BeCu, NICKEL PLATING

2. ELECTRICAL:

- A. IMPEDANCE: 50 OHM
- B. FREQUENCY RANGE: DC - 12.4 GHz
- C. RETURN LOSS (VSWR): 1.20 MAX. @ DC - 4 GHz
1.30 MAX. @ 4 - 12.4 GHz
- D. DIELECTRIC WITHSTANDING VOLTAGE: 1500 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: BAG TO BE MARKED
"AMPHENOL, 31-6861, AND DATE CODE"

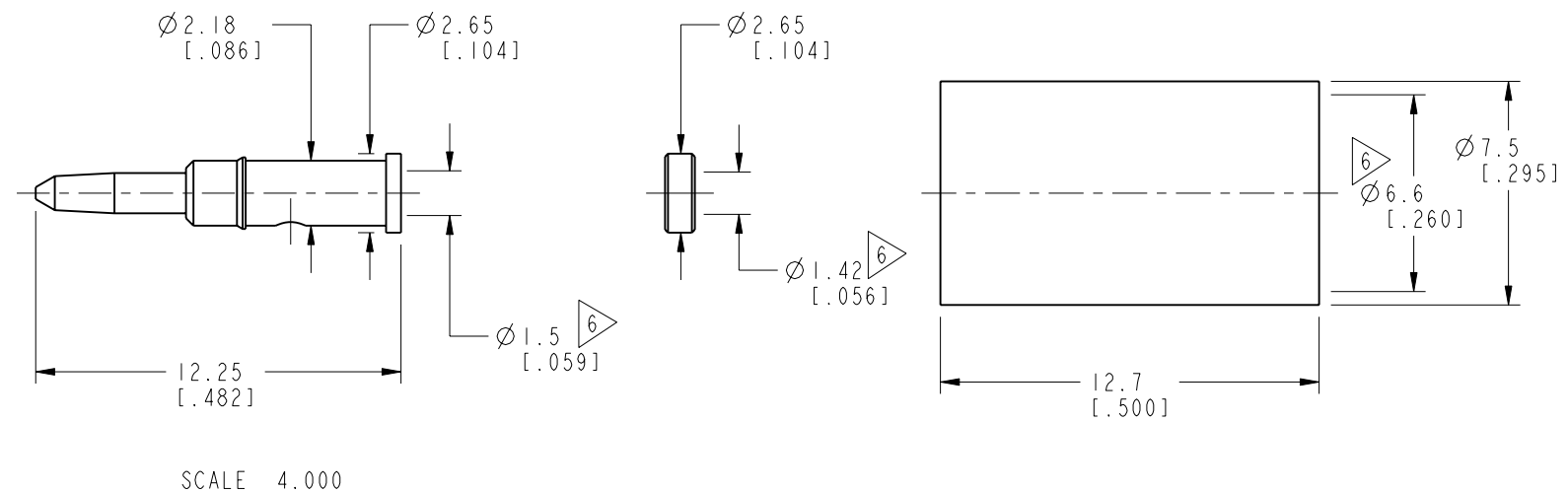
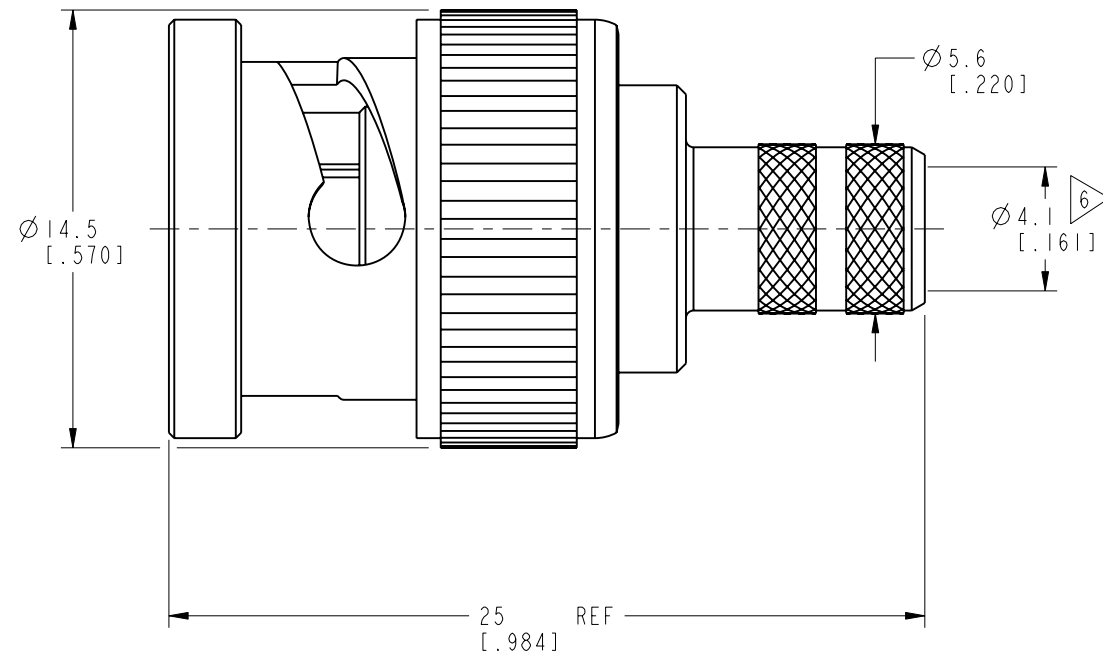
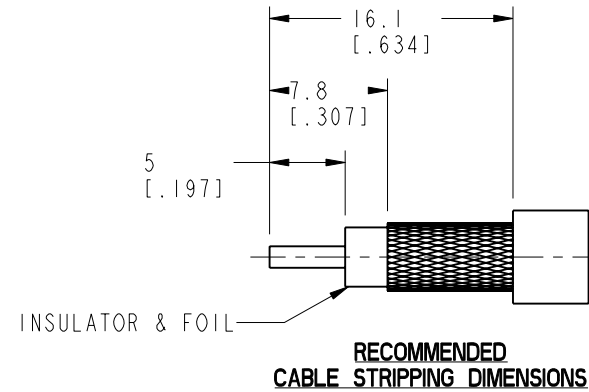
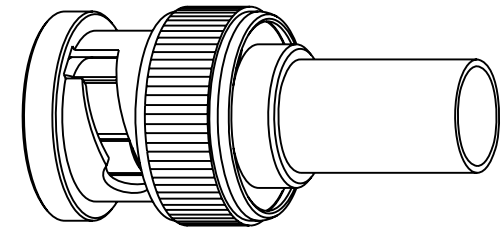
5. CABLE ASSEMBLY INSTRUCTIONS:

- A. TRIM CABLE AS SHOWN.
- B. SLIDE FERRULE AND INSULATOR DISC ONTO CABLE.
- C. SOLDER CABLE CENTER CONDUCTOR TO CONTACT.
- D. INSERT CABLE WITH FOIL ENTERING CONNECTOR AND BRAID OVER KNURL.
- E. CRIMP FERRULE OVER BRAID WITH .255" HEX DIE.

6. SHOWS CABLE ENTRY DIMENSIONS.

REVISIONS

REV	DESCRIPTION	DATE	ECN	APPR
A	PRELIMINARY RELEASE	29-May-19	11722	SV



ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN METRIC AND TOLERANCES ARE: <0.5mm 0.5 - 6mm 6 - 30mm 30 - 120mm ANGLES ± 0.05mm ±0.1mm ±0.2mm ± 0.3mm ±1°	MATERIAL SEE NOTES	DRAWN W. ZENG	DATE 10-Jun-19	TITLE BNC CRIMP PLUG FOR LMR-240 CABLE		Amphenol RF www.amphenolrf.com	
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	EAR# 8558	APPROVED S. HSIEH	DATE 13-Jun-19	ITEM NO. 31-6861			
	REF: 112533	CAD FILE	SCALE: 2.0:1.0		SHEET 2 OF 2	PART NO. 31-6861	
	CONFIGURATION LEVEL: In Work		DWG SIZE B		REV A		
FINISH							