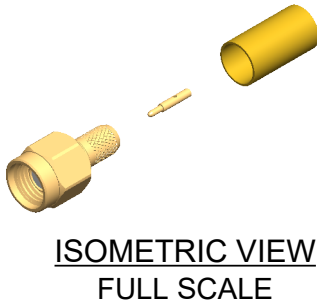
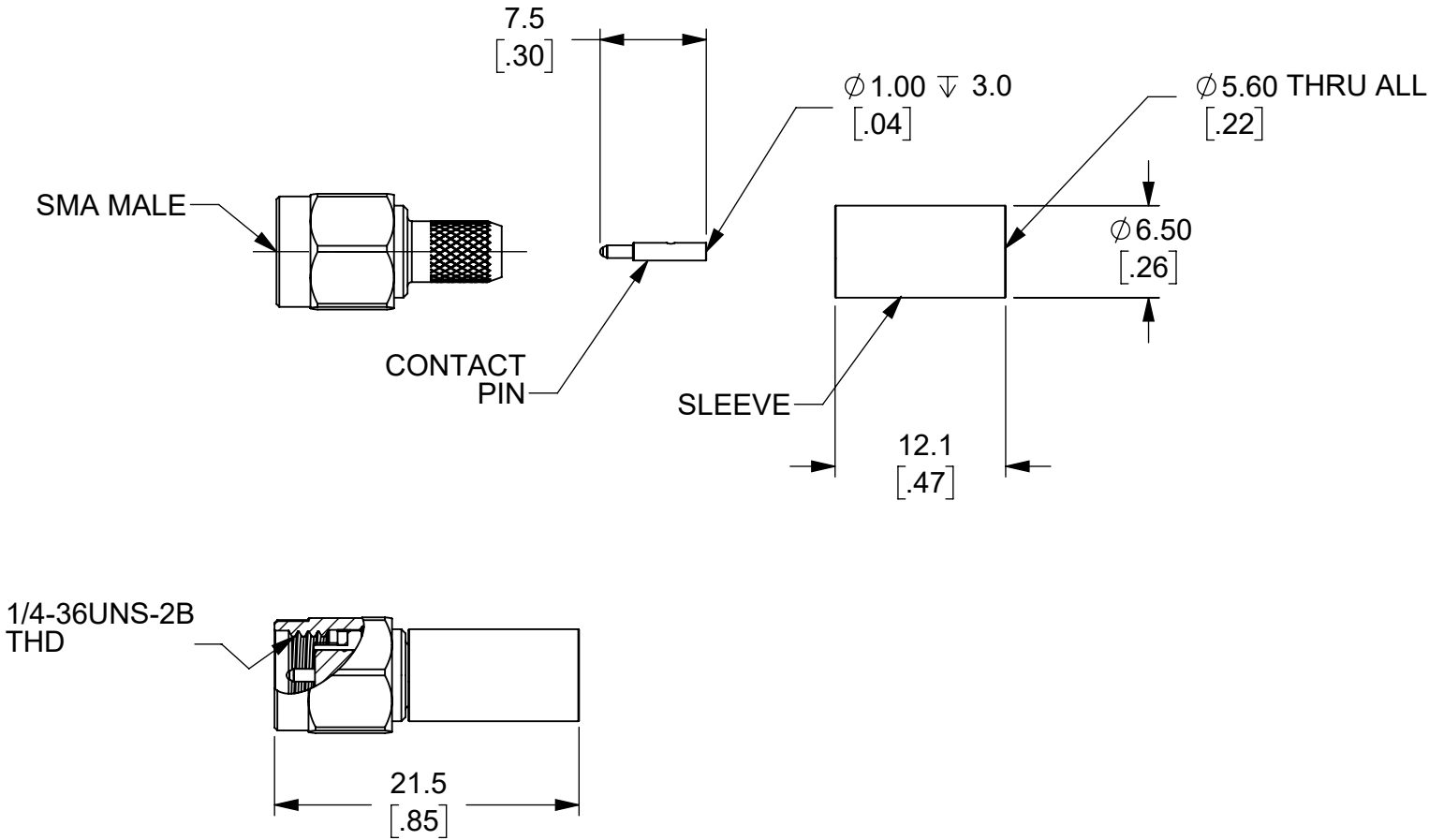
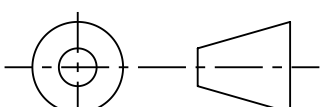


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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	11/15/2023	B. Hansen


- NOTES:
- ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.
 - ADAPTER TO MEET OR EXCEED ALL SPECIFICATIONS PER MIL-PRF-39012.
 - MATING DIMENSIONS IN ACCORDANCE WITH MIL-STD-348.
 - VSWR AND FREQUENCY RANGE SPECIFICATIONS ARE FOR REFERENCE AND ARE DEPENDENT ON CABLE TYPE AND OTHER APPLICATION SPECIFIC CONDITIONS.
 - MATERIAL:
 - BODY AND COUPLING NUT: BRASS, GOLD PLATED
 - CENTER CONTACT: BRASS, GOLD PLATED
 - FERRULE: BRASS, GOLD PLATED
 - DIELECTRIC: PTFE
 - ELECTRICAL:
 - IMPEDANCE: 50 Ω
 - FREQUENCY: DC - 12 GHz
 - INSERTION LOSS: $\leq 0.05 \times \sqrt{f(\text{GHz})}$ dB
 - CONTACT CURRENT: DC 2.0 A MAX
 - RF LEAKAGE: $\leq -60\text{dB}$ (BETWEEN 2 - 3 GHz)
 - CONTACT RESISTANCE:
 - CENTER: 3.0 m Ω
 - OUTER: 2.5 m Ω
 - WORKING VOLTAGE: 335 Vrms
 - INSULATION RESISTANCE: 5,000 M Ω MIN
 - VSWR:
 - 1.15:1 (-23dB) @ DC - 12 GHz
 - CABLE TYPE:
 - THE CT4498 IS INTENDED TO BE USED WITH THE FOLLOWING TYPES OF CABLE:
 - RG-142
 - RG-223
 - RG-400
 - ASSEMBLY INSTRUCTIONS ON SHEET 2 OF 2.
 - MECHANICAL:
 - RECOMMENDED TORQUE: 0.3 Nm TO 0.6 Nm
 - TEMPERATURE RANGE: -65°C TO +125°C
 - CENTER CONTACT CAPTIVATED: ≥ 27 N
 - RoHS AND REACH COMPLIANT

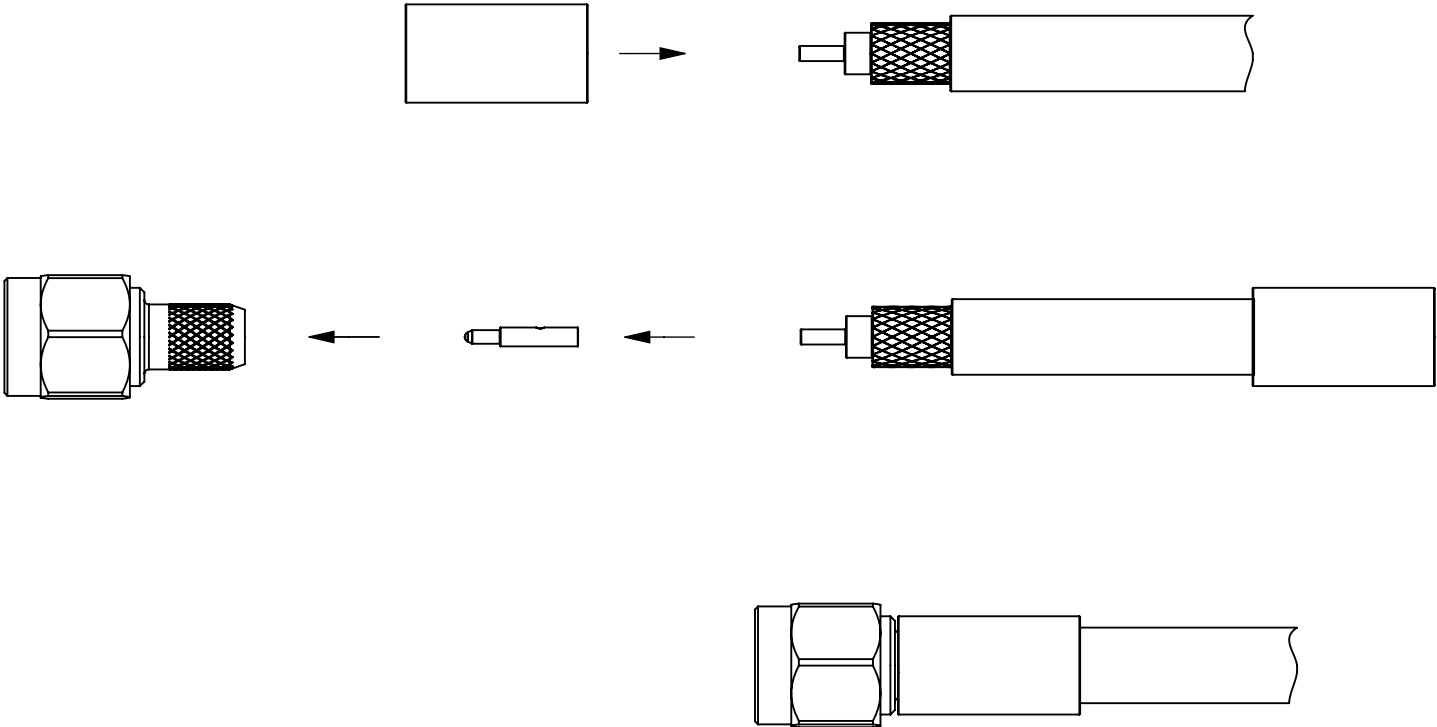
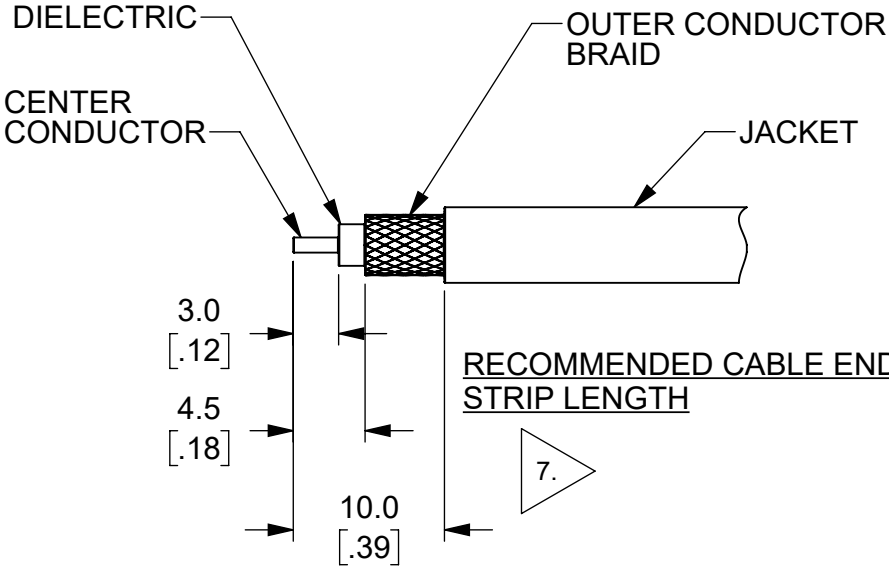


THIRD ANGLE PROJECTION		PROJECT NO.		METRIC		<div>Cal TestELECTRONICS</div>		22820 Savi Ranch Prky. Yorba Linda, CA 92887 USA					
				APPROVALS		DATE		TITLE CONNECTOR, SMA MALE, DIY CRIMP					
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ARE: X.X = ±0.5 X.X* = ±0.5* X.XX = ±0.25 X.XXX = ±0.125 DO NOT SCALE DRAWING		DRAWN GSG		9/14/2023									
		CHECKER B. HANSEN		9/14/2023									
		ENGR. B. HANSEN		9/14/2023									
MATERIAL SEE NOTES		DESIGN ACTIVITY				SIZE B		CAGE CODE 43F45		DWG. NO. CT4498		REV. A	
REFERENCE		TREATMENT NONE				SCALE 2:1				SHEET 1 OF 2			
FINISH SEE NOTES													

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ASSEMBLY INSTRUCTIONS:

1. SLIDE CRIMP SLEEVE ONTO CABLE JACKET.
2. STRIP COAXIAL CABLE END 
3. INSERT CENTER CONDUCTOR INTO PIN HOLE DIAMETER.
4. CRIMP OR SOLDER PIN TO CENTER CONDUCTOR
5. FLARE THE OUTER CONDUCTOR BRAID.
6. INSERT CONTACT PIN FIRMLY INTO POSITION IN SMA CONNECTOR
7. ENSURE THE OUTER CONDUCTOR BRAID SEATS PROPERLY AND UNIFORMLY AROUND THE OUTER SURFACE OF THE SMA CRIMP POST.
8. SLIDE SLEEVE OVER BRAID AND POST
9. CRIMP SLEEVE TO THE SMA CRIMP POST USING THE RECOMMENDED CRIMPING TOOL



METRIC	APPROVALS		DATE	SIZE	CAGE CODE	DWG. NO.	CT4498	REV.
	DRAWN	GSG	9/14/2023	B	43F45			A
	CHECKER	B. HANSEN	9/14/2023	SCALE	2:1		SHEET 2 OF 2	

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