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

NOTES:

1. ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

2. ADAPTER TO MEET OR EXCEED ALL SPECIFICATIONS PER MIL-PRF-39012.

3. MATING DIMENSIONS IN ACCORDANCE WITH MIL-STD-348.

4. FREQUENCY RANGE SPECIFICATIONS ARE FOR REFERENCE AND ARE DEPENDENT ON CABLE TYPE AND APPLICATION SPECIFIC CONDITIONS.

5. MATERIAL:
   - BODY: BRASS, NICKEL PLATED
   - CENTER CONTACT: BRASS, GOLD PLATED
   - SLEEVE: BRASS, NICKEL PLATED
   - DIELECTRIC: DELRIN

6. ELECTRICAL:
   - IMPEDANCE: 50Ω
   - FREQUENCY: DC - 2 GHz
   - WORKING VOLTAGE: 500 Vrms

7. CABLE TYPE:
   - THE CT4514 IS INTENDED TO BE USED WITH THE FOLLOWING TYPES OF CABLE:
     - RG-58

8. ASSEMBLY INSTRUCTIONS ON SHEET 2 OF 2.

9. MECHANICAL:
   - TEMPERATURE RANGE: -20°C TO +80°C
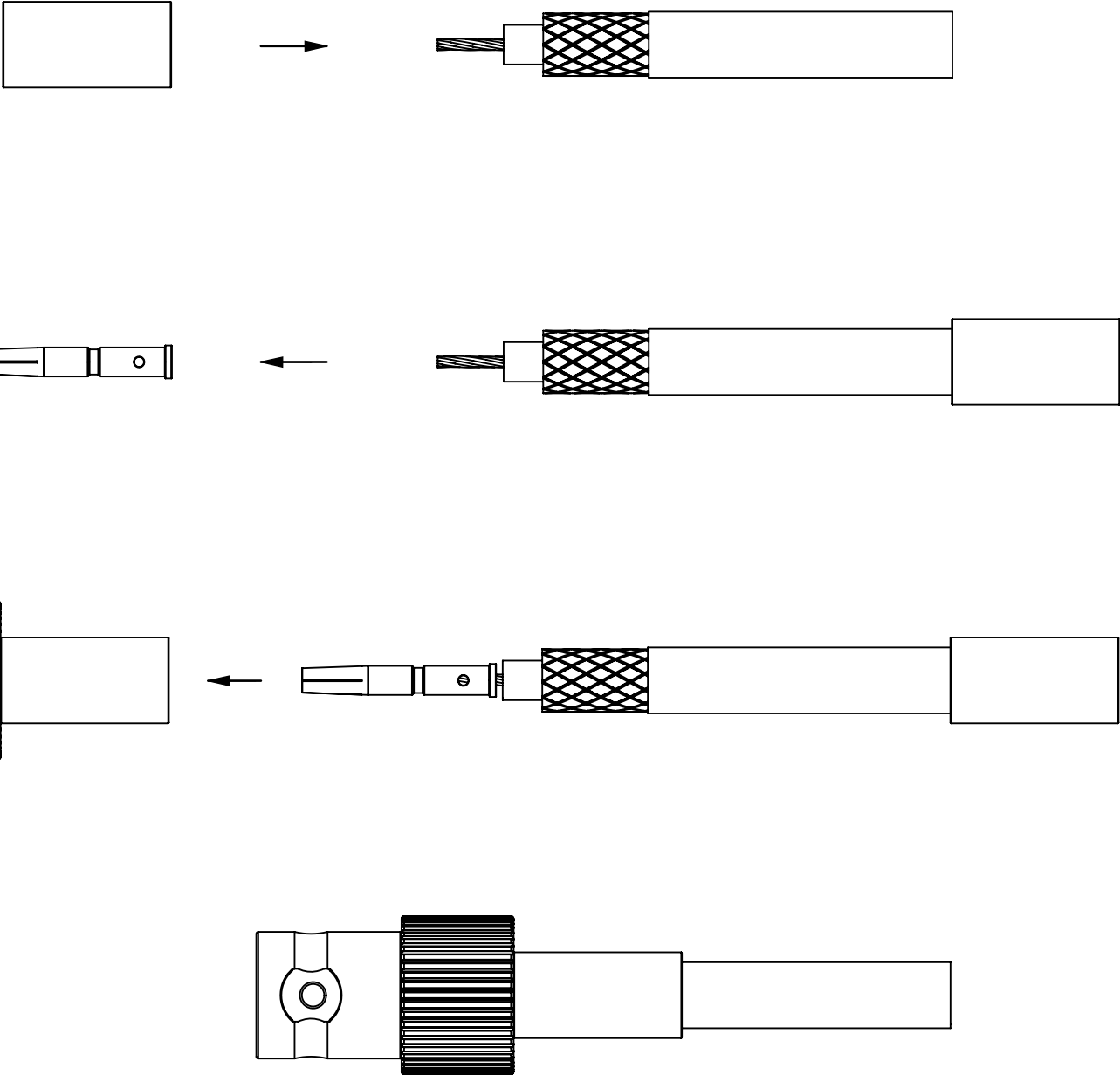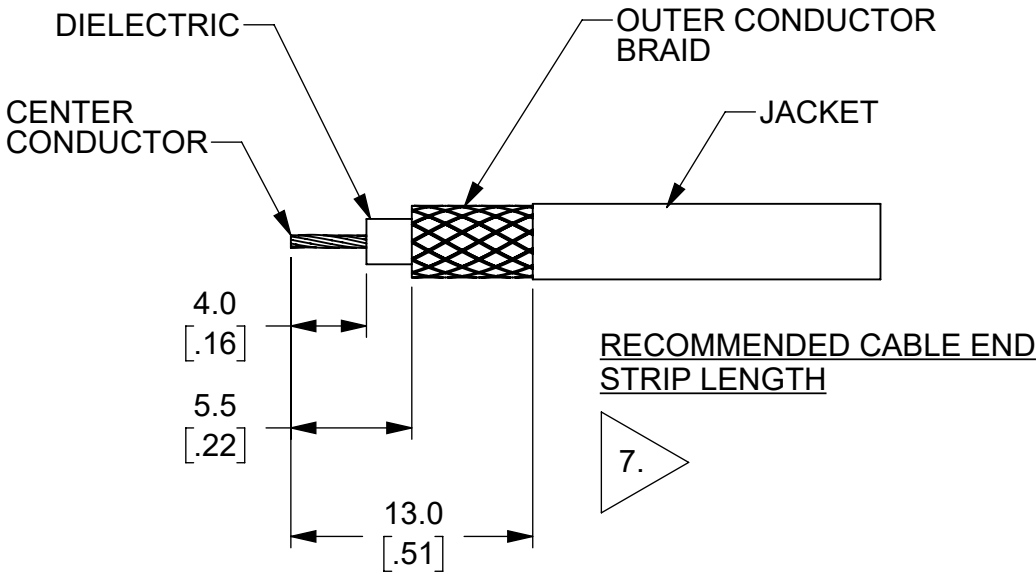
10. RoHS AND REACH COMPLIANT

8.5 [.33]

14.7 [.58]

⌀1.00 ▽ 4.0 [.04]

⌀5.50 THRU ALL [.22]

⌀12.0 [.47]

⌀6.50 [.26]

STRAIGHT KNURL

CENTER CONTACT

SLEEVE

12.7 [.50]

(32.3) [1.3]

BNC FEMALE
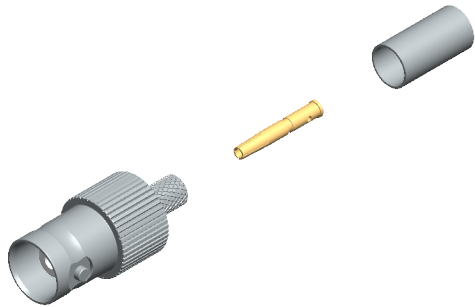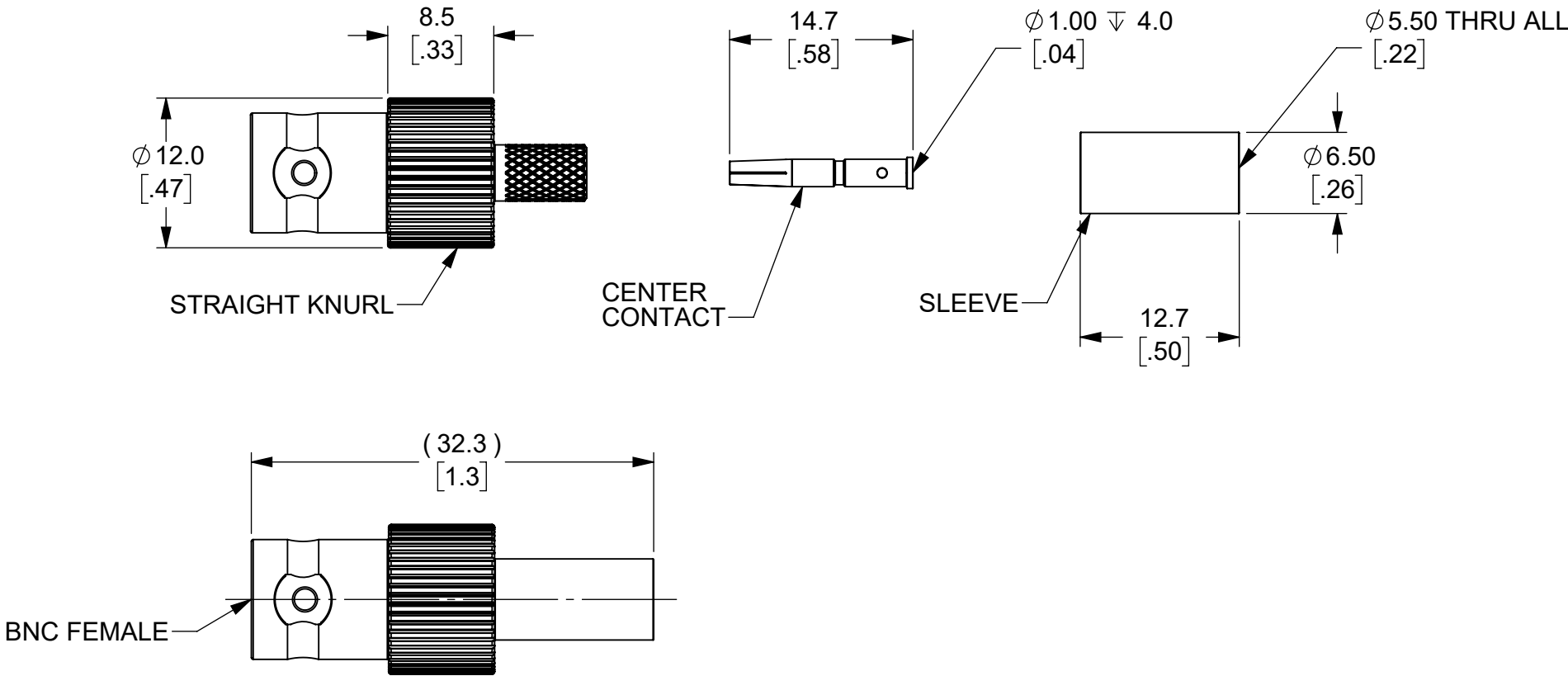
ISOMETRIC VIEW
FULL SCALE

THIRD ANGLE PROJECTION

	CT4514	CONNECTOR, CRIMP	IN-SERIES CONNECTOR
	MODEL NUMBER	CONFIGURATION	NOTES / REFERENCE
	MODEL NUMBER TABLE		

PROJECT NO.

METRIC

Cal Test ELECTRONICS
22820 Savi Ranch Prky.
Yorba Linda, CA 92887
USA

	APPROVALS	DATE
DRAWN	GSG	11/7/2023
CHECKER	B. HANSEN	11/7/2023
ENGR.	B. HANSEN	11/7/2023

MATERIAL
SEE NOTES

REFERENCE

TREATMENT
NONE

DESIGN ACTIVITY

FINISH
SEE NOTES

TITLE

CONNECTOR, BNC FEMALE, DIY

SIZE	CAGE CODE	DWG. NO.		REV.
B	43F45		CT4514	A

SCALE 2:1		SHEET 1 OF 2

ASSEMBLY INSTRUCTIONS:

1. SLIDE CRIMP SLEEVE ONTO CABLE JACKET

2. STRIP COAXIAL CABLE END ⟍7⟍

3. INSERT CENTER CONDUCTOR INTO CONTACT HOLE
    DIAMETER

4. SOLDER CONTACT TO CENTER CONDUCTOR FOR BETTER
    PERFORMANCE

5. FLARE THE OUTER CONDUCTOR BRAID

6. INSERT CONTACT PIN FIRMLY INTO THE BNC CONNECTOR
    UNTIL IT SNAPS INTO POSITION

7. ENSURE THE OUTER CONDUCTOR BRAID SEATS
    PROPERLY AND UNIFORMLY AROUND THE OUTER
    SURFACE OF THE BNC CRIMP POST

8. SLIDE SLEEVE OVER BRAID AND POST

9. CRIMP SLEEVE TO THE BNC CRIMP POST USING THE
    APPROPRIATE CRIMPING TOOL

DIELECTRIC

OUTER CONDUCTOR
BRAID

CENTER
CONDUCTOR

JACKET

4.0
[.16]

5.5
[.22]

13.0
[.51]

RECOMMENDED CABLE END
STRIP LENGTH

7.

	APPROVALS	DATE	SIZE	CAGE CODE	DWG. NO.		REV.
METRIC	DRAWN GSG	11/7/2023	B	43F45		CT4514	A
	CHECKER B. HANSEN	11/7/2023	SCALE 2:1			SHEET 2 OF 2	

Mouser Electronics

Authorized Distributor

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[CT4514](#)