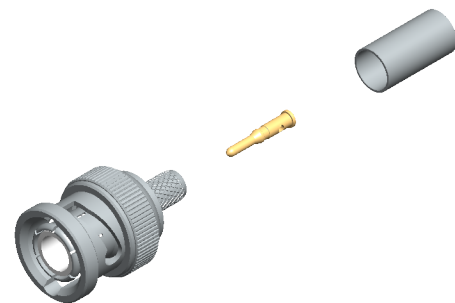
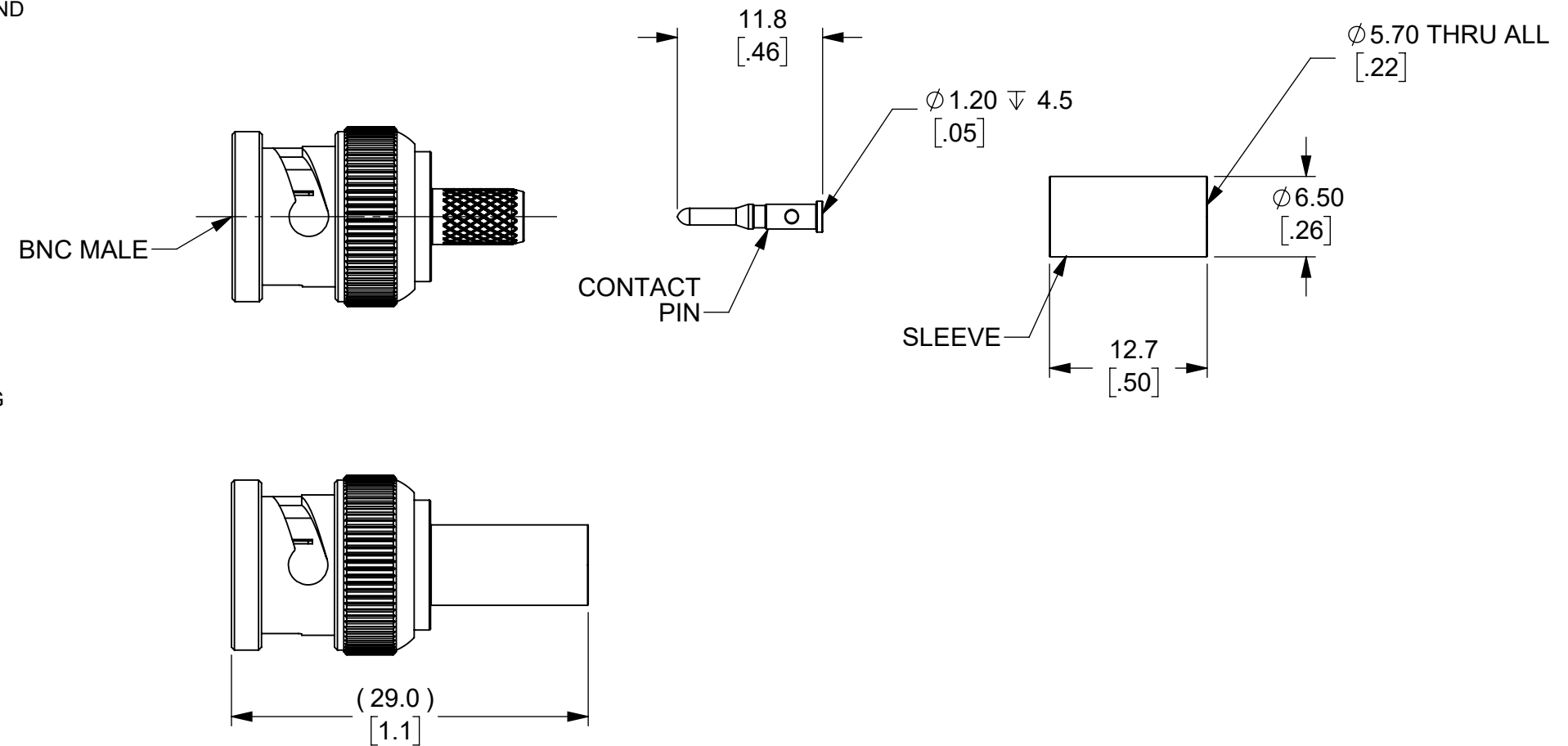




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| REVISIONS |                 |            |           |
|-----------|-----------------|------------|-----------|
| REV.      | DESCRIPTION     | DATE       | APPROVED  |
| A         | INITIAL RELEASE | 11/15/2023 | B. Hansen |

- 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.
  - FREQUENCY RANGE SPECIFICATIONS ARE FOR REFERENCE AND ARE DEPENDENT ON CABLE TYPE AND OTHER APPLICATION SPECIFIC CONDITIONS.
  - MATERIAL:
    - BODY: BRASS, NICKEL PLATED
    - CENTER CONTACT: BRASS, GOLD PLATED
    - SLEEVE: BRASS, NICKEL PLATED
    - DIELECTRIC: DELRIN
  - ELECTRICAL:
    - IMPEDANCE: 50Ω
    - FREQUENCY: DC - 2 GHz
    - WORKING VOLTAGE: 500 Vrms
  - CABLE TYPE:
    - THE CT4507 IS INTENDED TO BE USED WITH THE FOLLOWING TYPES OF CABLE:
      - RG-142
  - ASSEMBLY INSTRUCTIONS ON SHEET 2 OF 2.
  - MECHANICAL:
    - TEMPERATURE RANGE: -20°C TO +80°C
  - RoHS AND REACH COMPLIANT



ISOMETRIC VIEW  
FULL SCALE

| CT4507                 | CONNECTOR, CRIMP                                                                                                                                                    | IN-SERIES CONNECTOR |                                                                                                                                                                                                                                    |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MODEL NUMBER           | CONFIGURATION                                                                                                                                                       | NOTES / REFERENCE   |                                                                                                                                                                                                                                    |
| MODEL NUMBER TABLE     |                                                                                                                                                                     |                     |                                                                                                                                                                                                                                    |
| THIRD ANGLE PROJECTION | UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS<br>TOLERANCES ARE:<br>X.X = ±0.5    X.X* = ±0.5*<br>X.XX = ±0.25<br>X.XXX = ±0.125<br>DO NOT SCALE DRAWING | PROJECT NO.         |   22820 Savi Ranch Prky.<br>Yorba Linda, CA 92887<br>USA |
|                        |                                                                                                                                                                     | APPROVALS           |                                                                                                                                                                                                                                    |
| REFERENCE              | MATERIAL<br>SEE NOTES                                                                                                                                               | DRAWN               | <b>TITLE</b><br>CONNECTOR, BNC MALE DIY CRIMP                                                                                                                                                                                      |
|                        |                                                                                                                                                                     | CHECKER             |                                                                                                                                                                                                                                    |
|                        | TREATMENT<br>NONE                                                                                                                                                   | ENGR.               | B. HANSEN    10/26/2023                                                                                                                                                                                                            |
|                        | FINISH<br>SEE NOTES                                                                                                                                                 | DESIGN ACTIVITY     |                                                                                                                                                                                                                                    |
|                        |                                                                                                                                                                     | SIZE                | CAGE CODE                                                                                                                                                                                                                          |
|                        |                                                                                                                                                                     | <b>B</b>            | <b>43F45</b>                                                                                                                                                                                                                       |
|                        |                                                                                                                                                                     | SCALE               | DWG. NO.                                                                                                                                                                                                                           |
|                        |                                                                                                                                                                     | 2:1                 | <b>CT4507</b>                                                                                                                                                                                                                      |
|                        |                                                                                                                                                                     |                     | REV. <b>A</b>                                                                                                                                                                                                                      |
|                        |                                                                                                                                                                     |                     | SHEET 1 OF 2                                                                                                                                                                                                                       |

4


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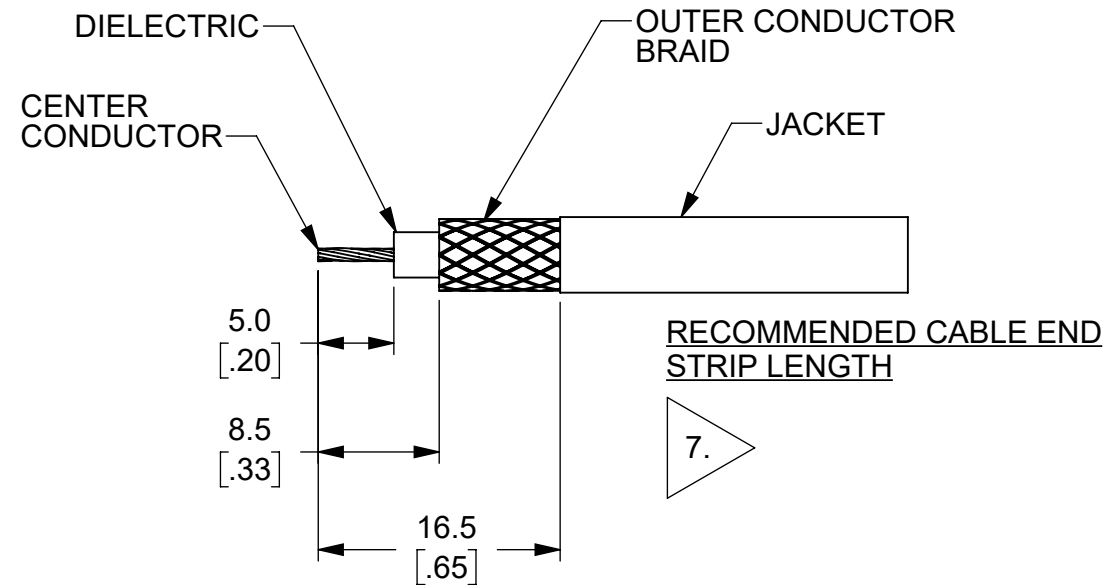
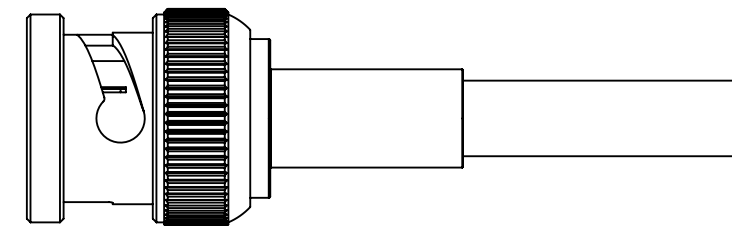
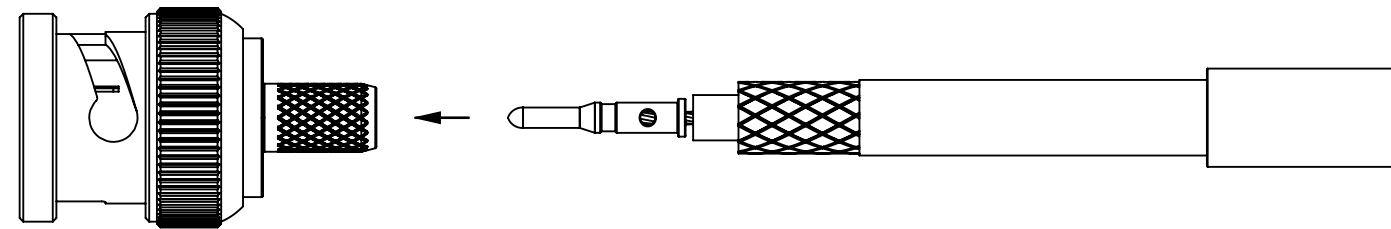
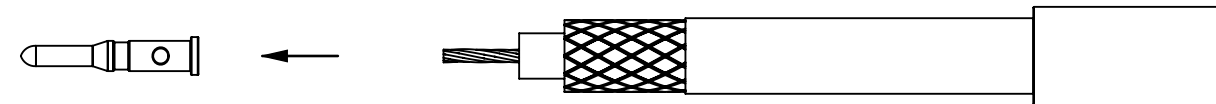
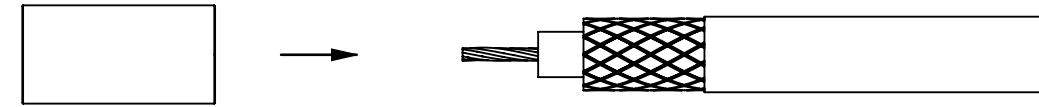
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**ASSEMBLY INSTRUCTIONS:**

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 THE BNC CONNECTOR
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



D

D

C

C

B

B

A

A

|               |                   |            |           |              |          |      |
|---------------|-------------------|------------|-----------|--------------|----------|------|
| <b>METRIC</b> | APPROVALS         | DATE       | SIZE      | CAGE CODE    | DWG. NO. | REV. |
|               | DRAWN GSG         | 10/26/2023 | <b>B</b>  | <b>43F45</b> | CT4507   | A    |
|               | CHECKER B. HANSEN | 10/26/2023 | SCALE 2:1 | SHEET 2 OF 2 |          |      |

4

3

2

1

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