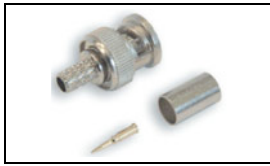


## 5-1634500-2 Product Details

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**5-1634500-2**

TE Internal Number: 5-1634500-2

Active

### BNC RF Connectors

Always EU RoHS/ELV Compliant (Statement of Compliance)

#### Product Highlights:

- Connector - RF
- Plug
- Connector Style = Plug
- Applies To Coaxial Cable
- Coaxial Cable Termination Type = Crimp

[View all Features](#)

### Quick Links

- ▶ [Pricing & Availability](#)
- ▶ [Search for Tooling](#)
- ▶ [Product Feature Selector](#)
- ▶ [Contact Us About This Product](#)

[Add to My Part List](#) [Request Sample](#) [Find Similar Products](#) [Buy Product](#)

### Documentation & Additional Information

#### Product Drawings:

- [BNC STRAIGHT PLUG HEX CRIMP 50 OHM \(PDF, English\)](#)

#### Catalog Pages/Data Sheets:

- [ZDC\\_RF\\_COAX\\_CONNECTOR\\_SERIES\\_50&75\\_OHM \(PDF, English\)](#)

#### Product Specifications:

- None Available

#### Application Specifications:

- None Available

#### Instruction Sheets:

- None Available

#### CAD Files:

- None Available

#### Related Products:

- [Tooling](#)

[List all Documents](#)

### Product Features (Please use the Product Drawing for all design activity)

#### Product Type Features:

- [Product Type](#) = Connector - RF
- [Gender](#) = Plug
- [Grade](#) = Commercial
- [Sealed](#) = No
- [Isolated](#) = No
- [Dielectric Material](#) = Polymethylpentene
- [Coupling Nut Material](#) = Zinc

#### Mechanical Attachment:

- [Surface Mountable](#) = No
- [Hardware Included](#) = No
- [Panel Mount Retention](#) = Without

#### Electrical Characteristics:

- [Connector Impedance \(Ω\)](#) = 50

#### Termination Features:

- [Coaxial Cable Termination Type](#) = Crimp
- [Crimp Type](#) = Hex

#### Body Features:

- [Body Style](#) = Straight
- [Body Material](#) = Zinc
- [Body Plating](#) = Nickel
- [Polarized](#) = No

#### Contact Features:

- [Center Contact Material](#) = Brass
- [Center Contact Plating](#) = Gold

#### Housing Features:

- [Connector Style](#) = Plug

#### Configuration Features:

- [Coaxial Cable Type \(RG/U or Mfg.\)](#) = 141A, 58C, Belden 9907, KX 15, URM 43, URM 76
- [Number of Ports](#) = 1

#### Industry Standards:

- [Government/Industry Qualification](#) = No
- [RoHS/ELV Compliance](#) = RoHS compliant, ELV compliant
- [Lead Free Solder Processes](#) = Not relevant for lead free process
- [RoHS/ELV Compliance History](#) = Always was RoHS compliant

#### Environmental:

- [Operating Temperature \(Max.\) \(°C\)](#) = 85

#### Conditions for Usage:

- [Applies To](#) = Coaxial Cable
- [For Use With](#) = ZDC/BNC Connector

#### Packaging Features:

- [Packaging Method](#) = Individual

#### Other:

- [Brand](#) = TE Connectivity

4

3

2

1

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| LOC | DIST | REVISIONS |     |                           |           |     |      |
|-----|------|-----------|-----|---------------------------|-----------|-----|------|
| E   | B    | P         | LTR | DESCRIPTION               | DATE      | DWN | APVD |
|     |      | G1        |     | REVISED PER ECO-13-012960 | 13NOV2013 | RZ  | MY   |

NOTES

1 SINGLE PACK IN ACCORDANCE WITH AMP SPEC 107-3275  
 2 100 BODIES IN A HEAT SEALED BAG; 100 CONTACTS IN SEPARATE HEAT SEALED BAG; 100 CRIMP SLEEVES IN A SEPARATE HEAT SEALED BAG. ALL THREE BAGS WOULD BE PLACED IN A LABELED UNIT CONTAINER TO MAKE A PACKAGE OF 100 COMPLETE KITS.  
 3 GOLD PLATING  
 4 NICKEL PLATING  
 5 HAND TOOL: 9-1478240-0  
 6 DIE SET: SEE TABLE  
 7 FOR TECHNICAL DATA REFER TO YOUR LOCAL TE CONNECTIVITY SALES OFFICE  
 8 ALL DIMENSIONS ARE NOMINAL FOR REFERENCE ONLY UNLESS OTHERWISE STATED

| QTY        | LOC | DIST | DESCRIPTION  | PART NO.    |
|------------|-----|------|--|-------------|
| 1.1        |     |      | UTP CAROL CABLE #06348A or EQUIVALENT                | 5-1634500-5 |
| 1.1        |     |      | UTP CAROL CABLE #06348A or EQUIVALENT                | 5-1634500-4 |
| 1.1        |     |      | RG58C/U, 141A/U, 303/U, URM43, 76, BELDEN 9907, KX15 | 5-1634500-3 |
| 1.1        |     |      | RG58C/U, 141A/U, 303/U, URM43, 76, BELDEN 9907, KX15 | 5-1634500-2 |
| 0.57       |     |      | RG174A/U, 188A/U, 316/U, URM95, KX3B, KX22A          | 5-1634500-1 |
| 0.57       |     |      | RG174A/U, 188A/U, 316/U, URM95, KX3B, KX22A          | 5-1634500-0 |
|            | A   |      | DIE SET  |             |
| DIMENSIONS |     |      | CABLE GROUPS   | PART NO.    |

OBSOLETE

| QTY | LOC | DIST | DESCRIPTION       | PART NO.         |
|-----|-----|------|-------------------|------------------|
| 1   |     |      | BRASS             | CRIMP SLEEVE 10  |
| 1   |     |      | NYLON             | PUSHER SLEEVE 9  |
| 1   |     |      | ZINC ALLOY        | BARREL 8         |
| 1   |     |      | SILICON RUBBER    | GASKET 7         |
| 1   |     |      | SPRING STEEL      | SPRING 6         |
| 1   |     |      | BRASS             | CRIMP SLEEVE 5   |
| 1   |     |      | BRASS             | WASHER 4         |
| 1   |     |      | POLYMETHYLPENTENE | INSULATOR 3      |
| 1   |     |      | BRASS             | CONTACT 2        |
| 1   |     |      | ZINC ALLOY        | BODY 1           |
| 5   |     |      | MATERIAL          | DESCRIPTION ITEM |

QUANTITY PER ASSY PARTS LIST

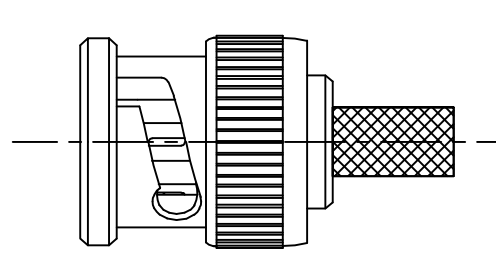
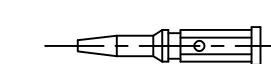
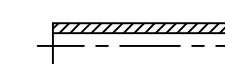
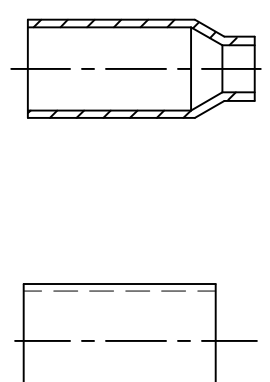
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| DIMENSIONS: MM                         |  | CHK S.PARLOW 23FEB04        |                             |               |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: |  | APVD F.WHEELER-KING 23FEB04 | NAME                        |               |
| 0 PLC ± 0.5                            |  | PRODUCT SPEC                | BNC STRAIGHT PLUG HEX CRIMP |               |
| 1 PLC ± 0.3                            |  | APPLICATION SPEC            | 50 OHM                      |               |
| 2 PLC ± 0.2                            |  | 108-112000                  | SIZE                        | RESTRICTED TO |
| 3 PLC ± -                              |  | SEE SHEET 2                 | CAGE CODE                   |               |
| 4 PLC ± -                              |  | WEIGHT                      | DRAWING NO                  |               |
| ANGLES ± -                             |  | -                           | C=1634500                   |               |
| FINISH                                 |  | CUSTOMER DRAWING            | SCALE                       | SHEET         |
| SEE TABLE                              |  |                             | NTS                         | 1 of 2        |
|  |  |                             | REV                         | G1            |

1471-9 (3/11)

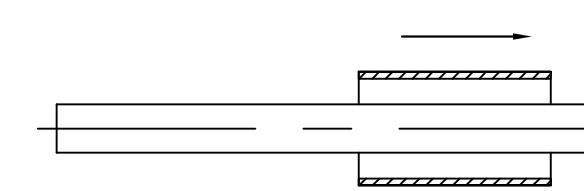
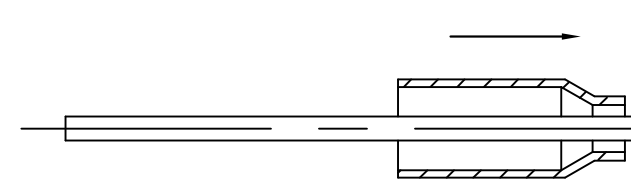
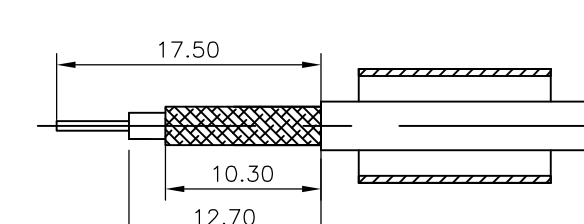
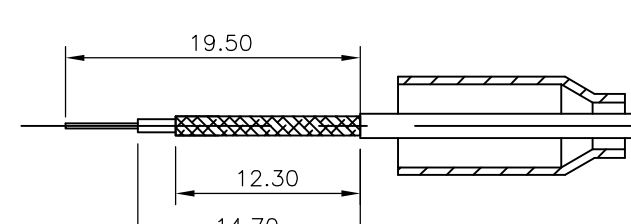
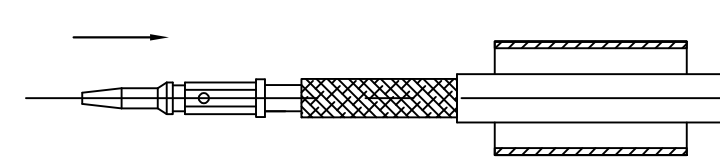
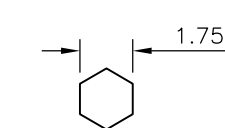
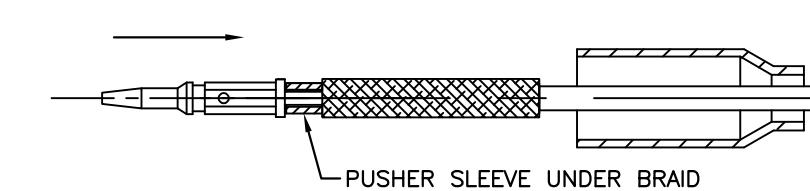
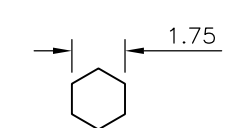
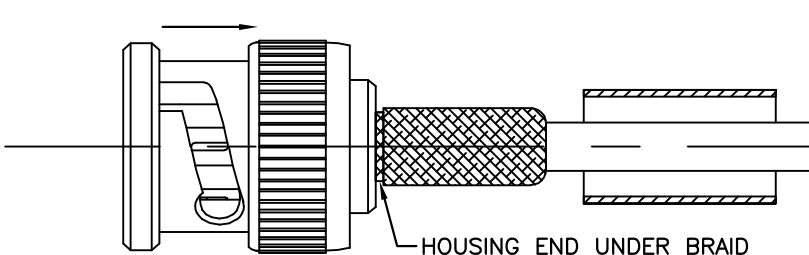
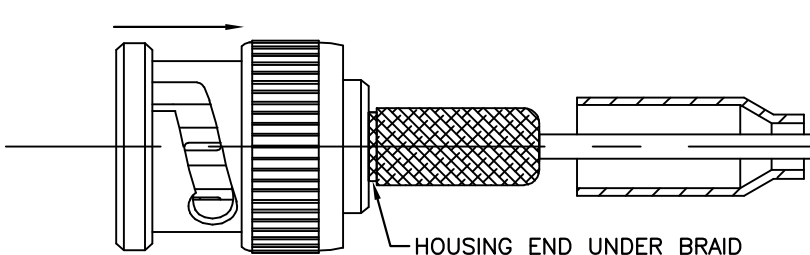
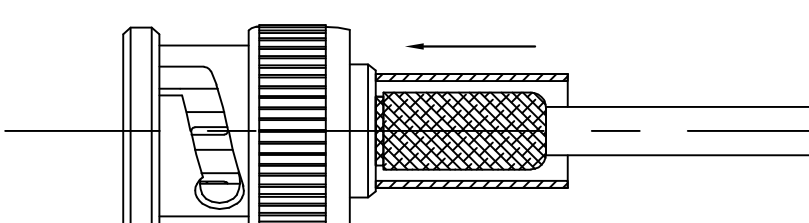
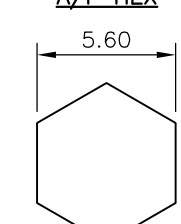
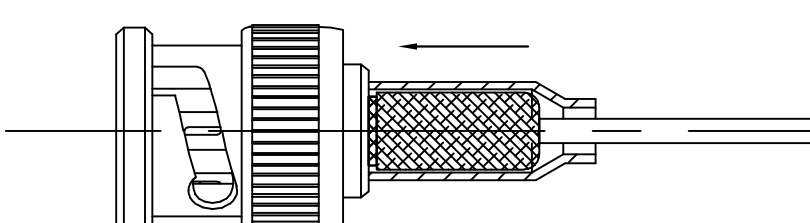
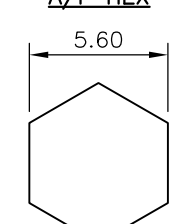
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| LOC | DIST | REVISIONS |     |             |      |     |      |
|-----|------|-----------|-----|-------------|------|-----|------|
| E   | B    | P         | LTR | DESCRIPTION | DATE | DWN | APVD |
|     |      | -         |     | SEE SHEET 1 | -    | -   | -    |

COMPONENTS

|  | MAIN BODY<br>(ITEM 1,3,4,6,7 & 8)   | CENTRE CONTACT<br>(ITEM 2)  | PUSHER SLEEVE<br>(ITEM 9)   | CRIMP FERRULES<br>(ITEM 5 & 10)   |
|--|---|---|---|---|
|  |  |  |  |  |

ASSEMBLY INSTRUCTION

| CABLES: RG58C/U, 141A/U, 303/U, URM43, 76, BELDEN 9907, KX15  | CABLES: RG174A/U, 188A/U, 316/U, URM95, KX3B, KX22A, UTP CAROL CABLE #C6348A  |
|---|---|
| <p><b>STEP 1</b></p> <p>1. SLIDE METAL CRIMP FERRULE OVER CABLE</p>   | <p><b>STEP 1</b></p> <p>1. SLIDE METAL CRIMP FERRULE OVER CABLE</p>    |
| <p><b>STEP 2</b></p> <p>1. STRIP CABLE TO DIMENSIONS AS SHOWN</p>   | <p><b>STEP 2</b></p> <p>1. STRIP CABLE TO DIMENSIONS AS SHOWN</p>    |
| <p><b>STEP 3</b></p> <p>1. FIT CONTACT OVER CENTRE CONDUCTOR TO BUTT AGAINST DIELECTRIC.<br/>2. CRIMP USING TOOL AS NOTES ON PAGE 1.</p>  <p>RECOMMENDED CENTRE CONTACT A/F HEX</p>    | <p><b>STEP 3</b></p> <p>1. SLIDE ITEM 9 PUSHER SLEEVE OVER DIELECTRIC BEFORE FITTING THE CONTACT. NO PUSHER SLEEVE IS NEEDED FOR 5-1634500-4 &amp; 5-1634500-5.<br/>2. FIT CONTACT OVER CENTRE CONDUCTOR TO BUTT AGAINST DIELECTRIC.<br/>3. CRIMP USING TOOL AS NOTES ON PAGE 1.</p>  <p>PUSHER SLEEVE UNDER BRAID</p> <p>RECOMMENDED CENTRE CONTACT A/F HEX</p>  |
| <p><b>STEP 4</b></p> <p>1. PRESS SUB-ASSEMBLY INTO BODY, UNTIL CONTACT IS FULLY LOCATED BY AN AUDIBLE CLICK.<br/>2. ENSURE THAT KNURLED HOUSING INSERTS BETWEEN THE DIELECTRIC AND CABLE BRAID.</p>  <p>HOUSING END UNDER BRAID</p>   | <p><b>STEP 4</b></p> <p>1. PRESS SUB-ASSEMBLY INTO BODY, UNTIL CONTACT IS FULLY LOCATED BY AN AUDIBLE CLICK.<br/>2. ENSURE THAT KNURLED HOUSING INSERTS BETWEEN THE PUSHER SLEEVE AND CABLE BRAID.</p>  <p>HOUSING END UNDER BRAID</p>   |
| <p><b>STEP 5</b></p> <p>1. SLIDE CRIMP FERRULE ALONG THE CABLE UNTIL IT BUTTS AGAINST THE HOUSING BODY.<br/>2. CRIMP USING TOOL AS NOTED ON PAGE 1.<br/>3. CRIMP DIMENSION AS SHOWN.</p>  <p>RECOMMENDED CRIMP SLEEVE A/F HEX</p>  | <p><b>STEP 5</b></p> <p>1. SLIDE CRIMP FERRULE ALONG THE CABLE UNTIL IT BUTTS AGAINST THE BODY HOUSING.<br/>2. CRIMP USING TOOL AS NOTED ON PAGE 1.<br/>3. CRIMP DIMENSION AS SHOWN.</p>  <p>RECOMMENDED CRIMP SLEEVE A/F HEX</p>   |

|   |  |                             |   |           |
|---|--|-----------------------------|---|-----------|
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|  |  | APVD F.WHEELER-KING 23FEB04 | NAME  |           |
| TOLERANCES UNLESS OTHERWISE SPECIFIED   |  | PRODUCT SPEC                | BNC STRAIGHT PLUG HEX CRIMP   |           |
| 0 PLC ±   |  | APPLICATION SPEC            | 50 OHM  |           |
| 1 PLC ±   |  | 108-112000                  | SIZE  | CAGE CODE |
| 2 PLC ±   |  | SHEET 2                     | A2  | 00779     |
| 3 PLC ±   |  | WEIGHT                      | DRAWING NO  |           |
| 4 PLC ±   |  | CUSTOMER DRAWING            | C=1634500   |           |
| ANGLES ±  |  | SCALE                       | RESTRICTED TO   |           |
| FINISH  |  | NTS                         | -   |           |
| SEE TABLE   |  | SHEET                       | REV   |           |
|   |  | 2 OF 2                      | G1  |           |

1634500

A