

## General Description

Delta TNC connectors are compact, 50Ω impedance connectors with 7/16-28 threaded coupling, similar in size to BNC connectors but with better electrical characteristics. They are best suited for use with cables in the range of .150" to .250" diameter, but are available for other cables from .090" to over .75" diameter. Many of our TNC connectors are available as MIL-PRF-39012 QPL versions. These types are listed starting on page 198. Our extensive line of TNC receptacles includes configurations for virtually any packaging requirement, and we can supply any adapter or accessory you need to complete your system design. Adapters between TNC and other series are shown starting on page 176.

As with our other connector series, Delta's customer-driven design results in TNC series connectors with practical and unique features that make your design and assembly process easier. Some of these include:

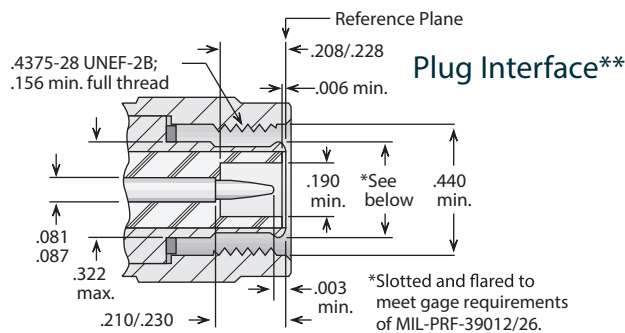
- Heli-Grip cable connectors for fast, reliable assembly to flexible cable without special tooling.
- PressMount receptacles (page 147) mount securely in a single round hole, saving space on your components and reducing your housing fabrication costs.
- Panel receptacles with flange sizes to match the same hole pattern as standard SMA or type N connectors, letting you drill one hole pattern and mount BNC, N, SMA, TNC, or 7/16 series connectors as needed.
- TNC connectors with polarized interfaces (page 152) prevent mismatching and meet FCC Part 15.203 requirements.
- Keying baskets and keyed plugs (page 149) provide numerous polarizations in applications incorporating multiple connector pairs.

Our TNC series product line is still growing, so please call if you don't see what you need.

## TNC Configurations

|  |     |                                 |     |
|--|-----|---------------------------------|-----|
| Straight Cable Plugs .....                   | 137 | Bulkhead Jack Receptacles ..... | 146 |
| Right Angle Cable Plugs .....                | 139 | PressMount Receptacles.....     | 147 |
| Straight Cable Jacks .....                   | 141 | Stripline Receptacles .....     | 147 |
| Bulkhead Cable Jacks .....                   | 142 | Resistive Terminations .....    | 148 |
| Panel Cable Jacks .....                      | 143 | Dust Caps.....                  | 148 |
| Panel Jack Receptacles (square flange) ..... | 144 | Keying Baskets.....             | 149 |
| Right Angle Panel Jack Receptacles .....     | 145 | In-Series Adapters .....        | 150 |
| Panel Plug Receptacles.....                  | 145 | Polarized Plugs and Jacks ..... | 152 |

## TNC Specifications\*



\*\*Some proportions altered to illustrate detail.

### Electrical:

Nominal Impedance: 50 ohms.  
 Frequency Range: DC-11 GHz.  
 Voltage Rating: 500 volts RMS.  
 Dielectric Withstanding Voltage : 1,500 VRMS.  
 Insulation Resistance: 5,000 megohms.

### Materials/Finishes:

Insulators: Teflon per ASTM D1710.  
 Male Contacts: Brass per ASTM B16.  
 Female Contacts: Beryllium Copper per ASTM B196.  
 Contact Plating : Silver per ASTM B700, or Gold per MIL-DTL-45204.  
 Gaskets: Silicone rubber per ZZ-R-765, Class II, Grade 50.  
 Other Metal Parts: Brass per ASTM B16, plated: Silver per ASTM B700, or Nickel per AMS-QQ-N-290.

All other specifications are in accordance with the latest issues of MIL-PRF-39012, or MIL-A-55339, or other applicable MIL specifications, and interfaces are in accordance with MIL-STD-348.

\*These specifications are typical and may not apply to all connectors. Detailed specifications for individual connectors are available on request.

## Straight Plug - Military Clamp For Flexible Cable



Figure 1  
(Standard coupling nut)



Figure 2  
(Safety-wire holes in coupling nut)

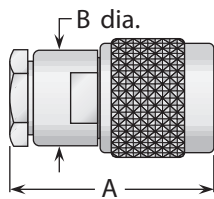


Figure 3  
(Standard coupling nut)

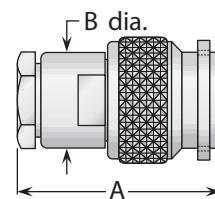
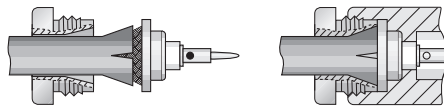


Figure 4  
(Safety-wire holes in coupling nut)

| Cable Group | Figure | Dimensions |      | Plating |          | Delta P/N       | Assembly Procedure/<br>Trim Code |
|-------------|--------|------------|------|---------|----------|-----------------|----------------------------------|
|             |        | A          | B    | Body    | Contact  |                 |                                  |
| 1           | 1      | 1.66       | .750 | Nickel  | Gold     | 1201001N000-000 | A/01                             |
| 2, 3        | 1      | 1.66       | .750 | Nickel  | Gold     | 1201004N000-000 | A/01                             |
| 2, 3        | 1      | 1.66       | .750 | Nickel  | Gold (C) | 1201004N001-004 | A/01                             |
| 2, 3        | 2      | 1.66       | .750 | Nickel  | Gold     | 1240004N000-000 | A/01                             |
| 2, 3        | 2      | 1.66       | .750 | Nickel  | Gold (C) | 1240004N001-000 | A/01                             |
| 5, 6        | 3      | 1.09       | .500 | Nickel  | Gold     | 1201015N000-000 | A/17                             |
| 5, 6        | 3      | 1.09       | .500 | Nickel  | Gold (C) | 1201015N001-000 | A/17                             |
| 5, 6        | 4      | 1.09       | .500 | Nickel  | Gold     | 1240015N000-000 | A/17                             |
| 5, 6        | 4      | 1.09       | .500 | Nickel  | Gold (C) | 1240015N001-000 | A/17                             |
| 7           | 3      | 1.09       | .500 | Nickel  | Gold     | 1201021N000-000 | A/17                             |
| 7           | 3      | 1.09       | .500 | Nickel  | Gold (C) | 1201021N001-000 | A/17                             |
| 7           | 4      | 1.09       | .500 | Nickel  | Gold     | 1240021N000-000 | A/17                             |
| 7           | 4      | 1.09       | .500 | Nickel  | Gold (C) | 1240021N001-000 | A/17                             |
| 8A          | 3      | 1.09       | .500 | Nickel  | Gold     | 1201029N000-000 | A/17                             |
| 8A          | 3      | 1.09       | .500 | Nickel  | Gold (C) | 1201029N001-000 | A/17                             |
| 8B          | 3      | 1.09       | .500 | Nickel  | Gold     | 1201043N000-000 | A/17                             |
| 8B          | 3      | 1.09       | .500 | Nickel  | Gold (C) | 1201043N001-000 | A/17                             |
| 9           | 3      | 1.09       | .500 | Nickel  | Gold     | 1201036N000-000 | A/18                             |
| 9           | 3      | 1.09       | .500 | Nickel  | Gold (C) | 1201036N001-002 | A/18                             |
| 9           | 4      | 1.09       | .500 | Nickel  | Gold     | 1240036N000-000 | A/18                             |
| 9           | 4      | 1.09       | .500 | Nickel  | Gold (C) | 1240036N001-000 | A/18                             |
| 11          | 3      | 1.09       | .500 | Nickel  | Gold     | 1201038N000-000 | A/18                             |
| 11          | 3      | 1.09       | .500 | Nickel  | Gold (C) | 1201038N001-000 | A/18                             |

• See page 209 for cable groups. • Assembly procedures start on page 210.  
 • (C) in contact plating column indicates captive contact. • See page 6 for alternate body plating information.

## Straight Plug - Heli-Grip® For Flexible Cable



### Heli-Grip® Cable Attachment

These connectors have captivated contacts and allow rapid, easy assembly—simply trim the cable, slide into the cone/insulator/contact assembly (left), solder the center conductor to the contact, and screw body assembly (right) onto the cable assembly.

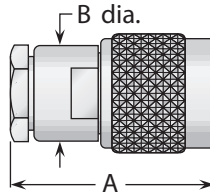


Figure 1

| Cable Group       | Figure | Dimensions |      | Plating |            | Delta P/N       | Assembly Procedure/<br>Trim Code |
|-------------------|--------|------------|------|---------|------------|-----------------|----------------------------------|
|                   |        | A          | B    | Body    | Contact    |                 |                                  |
| 5, 6 <sup>§</sup> | 1      | 1.09       | .500 | Nickel  | Silver (C) | 1201018N005-000 | E/03                             |
| RG-223            | 1      | 1.09       | .500 | Nickel  | Silver (C) | 1201015N005-000 | E/03                             |
| 7                 | 1      | 1.09       | .500 | Nickel  | Silver (C) | 1201019N005-000 | E/03                             |
| 8A                | 1      | 1.09       | .500 | Nickel  | Silver (C) | 1201029N005-000 | E/03                             |
| 8B                | 1      | 1.09       | .500 | Nickel  | Silver (C) | 1201043N005-000 | E/03                             |
| 9                 | 1      | 1.09       | .500 | Nickel  | Silver (C) | 1201037N005-000 | E/03                             |
| 10                | 1      | 1.09       | .500 | Nickel  | Silver (C) | 1201100N005-000 | E/03                             |
| 11                | 1      | 1.09       | .500 | Nickel  | Silver (C) | 1201038N005-000 | E/03                             |

<sup>§</sup>Except RG-223/U.

## Straight Plug - Crimp Type For Flexible Cable

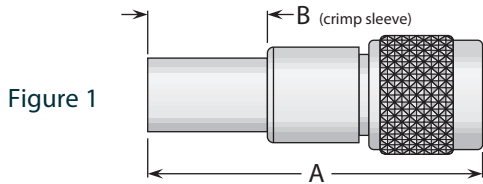


Figure 1

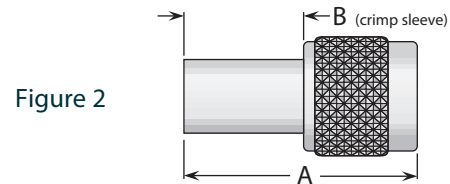


Figure 2

See page 198 for MIL-PRF-39012 QPL version.

| Cable Group | Figure | Dimensions |      | Plating |          | Delta P/N         | Assembly Procedure/<br>Trim Code |
|-------------|--------|------------|------|---------|----------|-------------------|----------------------------------|
|             |        | A          | B    | Body    | Contact  |                   |                                  |
| 3A, 4       | 1      | 1.75       | .630 | Nickel  | Gold     | 1203005N000-000   | B/11                             |
| 5           | 2      | 1.06       | .500 | Nickel  | Gold     | 1203017N000-000   | B/23                             |
| 6           | 2      | 1.06       | .500 | Nickel  | Gold     | 1203013N000-000   | B/23                             |
| 7           | 2      | 1.06       | .500 | Nickel  | Gold     | 1203020N000-000   | B/23                             |
| 7           | 2      | 1.04       | .500 | Nickel  | Silver   | 1203020N000-003 * | ***                              |
| 7           | 2      | 1.04       | .500 | Nickel  | Gold     | 1203020N000-005 * | ***                              |
| 7           | 2      | 1.06       | .500 | Nickel  | Gold (C) | 1203020N001-003 * | ***                              |

\* Crimp center contact.

- See page 209 for cable groups.
- Assembly procedures start on page 210.
- (C) in contact plating column indicates captive contact.
- See page 6 for alternate body plating information.
- \*\*\*Contact factory for cable assembly instructions.

## Straight Plug - Solder Clamp For Semi-Rigid Cable

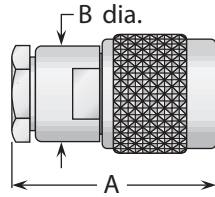


Figure 1  
(Standard coupling nut)

See page 198 for  
MIL-PRF-39012  
QPL version.

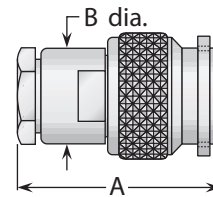


Figure 2  
(Safety-wire holes in coupling nut)

| Cable Group | Figure | Dimensions |      | Plating |         | Delta P/N       | Assembly Procedure/<br>Trim Code |
|-------------|--------|------------|------|---------|---------|-----------------|----------------------------------|
|             |        | A          | B    | Body    | Contact |                 |                                  |
| 13          | 1      | 1.09       | .500 | Nickel* | Gold    | 1201031N003-000 | F/08                             |
| 13          | 2      | 1.09       | .500 | Nickel* | Gold    | 1240031N003-000 | F/08                             |
| 14          | 1      | 1.09       | .500 | Nickel* | Gold    | 1201025N003-000 | F/07                             |
| 14          | 2      | 1.09       | .500 | Nickel* | Gold    | 1240025N003-000 | F/07                             |

\* Solder ferrule is gold plated.

## Right Angle Plug - Military Clamp For Flexible Cable

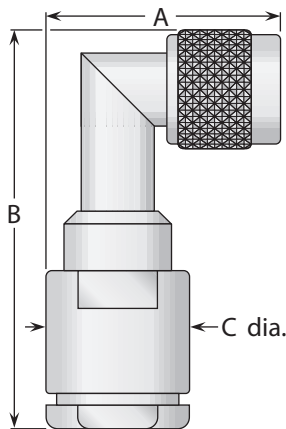


Figure 1

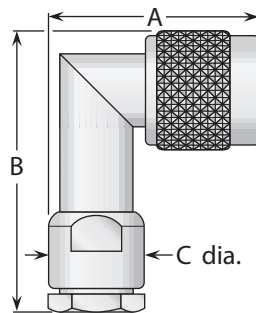


Figure 2

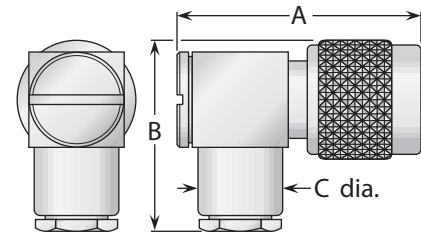


Figure 3

| Cable Group | Figure | Dimensions |      |      | Plating |          | Delta P/N       | Assembly Procedure/<br>Trim Code |
|-------------|--------|------------|------|------|---------|----------|-----------------|----------------------------------|
|             |        | A          | B    | C    | Body    | Contact  |                 |                                  |
| 1           | 1      | 1.19       | 1.94 | .750 | Nickel  | Gold     | 1204001N000-000 | A/07                             |
| 2, 3        | 1      | 1.19       | 1.94 | .750 | Nickel  | Gold     | 1204004N000-000 | A/07                             |
| 2, 3        | 1      | 1.19       | 1.94 | .750 | Nickel  | Gold (C) | 1204004N001-000 | A/07                             |
| 5, 6        | 2      | 1.06       | 1.65 | .500 | Nickel  | Gold     | 1204015N000-000 | A/17                             |
| 5, 6        | 2      | 1.06       | 1.65 | .500 | Nickel  | Gold (C) | 1204015N001-000 | A/17                             |
| 5, 6        | 3      | 1.20       | 1.11 | .500 | Nickel  | Gold (C) | 1205018N000-000 | A/19                             |
| 7           | 2      | 1.06       | 1.65 | .500 | Nickel  | Gold     | 1204021N000-000 | A/17                             |
| 7           | 2      | 1.06       | 1.65 | .500 | Nickel  | Gold (C) | 1204021N001-000 | A/17                             |
| 7           | 3      | 1.20       | 1.11 | .500 | Nickel  | Gold (C) | 1205021N000-000 | A/19                             |
| 8A          | 3      | 1.20       | 1.11 | .500 | Nickel  | Gold (C) | 1205029N000-000 | A/19                             |
| 9           | 2      | 1.06       | 1.65 | .500 | Nickel  | Gold     | 1204036N000-000 | A/18                             |
| 9           | 3      | 1.20       | 1.11 | .500 | Nickel  | Gold (C) | 1205036N000-001 | A/19                             |

- See page 209 for cable groups.
- Assembly procedures start on page 210.
- (C) in contact plating column indicates captive contact.
- See page 6 for alternate body plating information.

## Right Angle Plug - Heli-Grip® For Flexible Cable

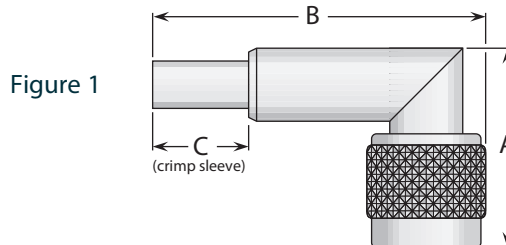


These connectors have captivated contacts and allow rapid, easy assembly—simply trim the cable, slide into the cone/insulator/contact assembly (left), solder the center conductor to the contact, and screw body assembly (right) onto cable assembly.

| Cable Group       | Figure | Dimensions |      |      | Plating |            | Delta P/N       | Assembly Procedure/Trim Code |
|-------------------|--------|------------|------|------|---------|------------|-----------------|------------------------------|
|                   |        | A          | B    | C    | Body    | Contact    |                 |                              |
| 5, 6 <sup>§</sup> | 1      | 1.06       | 1.65 | .500 | Nickel  | Silver (C) | 1204018N005-000 | E/03                         |
| RG-223            | 1      | 1.06       | 1.65 | .500 | Nickel  | Silver (C) | 1204015N005-000 | E/03                         |
| 7                 | 1      | 1.06       | 1.65 | .500 | Nickel  | Silver (C) | 1204019N005-000 | E/03                         |
| 8A                | 1      | 1.06       | 1.65 | .500 | Nickel  | Silver (C) | 1204029N005-000 | E/03                         |
| 8B                | 1      | 1.06       | 1.65 | .500 | Nickel  | Silver (C) | 1204043N005-000 | E/03                         |
| 9                 | 1      | 1.06       | 1.65 | .500 | Nickel  | Silver (C) | 1204037N005-000 | E/03                         |
| 10                | 1      | 1.06       | 1.65 | .500 | Nickel  | Silver (C) | 1204100N005-000 | E/03                         |
| 11                | 1      | 1.06       | 1.65 | .500 | Nickel  | Silver (C) | 1204038N005-000 | E/03                         |

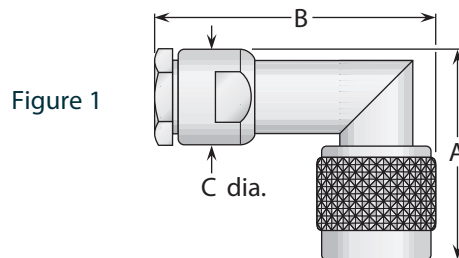
<sup>§</sup>Except RG-223/U.

## Right Angle Plug - Crimp Type For Flexible Cable



| Cable Group | Figure | Dimensions |      |      | Plating |         | Delta P/N       | Assembly Procedure/Trim Code |
|-------------|--------|------------|------|------|---------|---------|-----------------|------------------------------|
|             |        | A          | B    | C    | Body    | Contact |                 |                              |
| 5           | 1      | 1.03       | 1.72 | .500 | Nickel  | Gold    | 1207017N000-000 | B/02                         |
| 6           | 1      | 1.03       | 1.72 | .500 | Nickel  | Gold    | 1207015N000-000 | B/02                         |
| 7           | 1      | 1.03       | 1.72 | .500 | Nickel  | Gold    | 1207020N000-000 | B/02                         |

## Right Angle Plug - Solder-Clamp For Semi-Rigid Cable



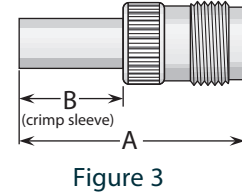
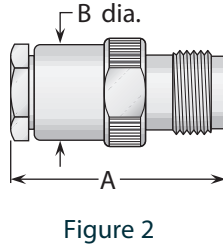
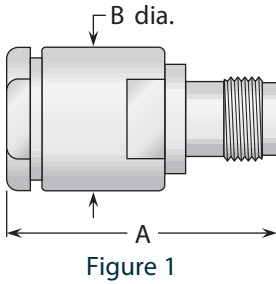
\* Solder ferrule is gold plated.

| Cable Group | Figure | Dimensions |      |      | Plating |         | Delta P/N       | Assembly Procedure/Trim Code |
|-------------|--------|------------|------|------|---------|---------|-----------------|------------------------------|
|             |        | A          | B    | C    | Body    | Contact |                 |                              |
| 13          | 1      | 1.06       | 1.65 | .500 | Nickel* | Gold    | 1204031N003-000 | F/08                         |
| 14          | 1      | 1.06       | 1.65 | .500 | Nickel* | Gold    | 1204025N003-000 | F/07                         |

\* Solder Ferrule Is Gold Plated

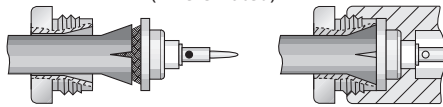
- See page 209 for cable groups.
- Assembly procedures start on page 210.
- (C) in contact plating column indicates captive contact.
- See page 6 for alternate body plating information.

## Straight Jacks - For Flexible & Semi-Rigid Cable



See page 199 for MIL-PRF-39012 QPL versions.

### Heli-Grip® Cable Attachment (where noted)



These connectors have captivated contacts and allow rapid, easy assembly—simply trim the cable, slide into the cone/insulator/contact assembly (left), solder the center conductor to the contact, and screw body assembly (right) onto the cable assembly.

### Military Clamp for Flexible Cable

| Cable Group | Figure | Dimensions |      | Plating |          | Delta P/N       | Assembly Procedure/<br>Trim Code |
|-------------|--------|------------|------|---------|----------|-----------------|----------------------------------|
|             |        | A          | B    | Body    | Contact  |                 |                                  |
| 1           | 1      | 1.75       | .750 | Nickel  | Gold     | 1208001N000-000 | A/20                             |
| 2, 3        | 1      | 1.75       | .750 | Nickel  | Gold     | 1208004N000-000 | A/20                             |
| 5, 6        | 2      | 1.16       | .500 | Nickel  | Gold     | 1208015N000-000 | A/17                             |
| 5, 6        | 2      | 1.16       | .500 | Nickel  | Gold (C) | 1208015N001-000 | A/17                             |
| 7           | 2      | 1.16       | .500 | Nickel  | Gold     | 1208021N000-000 | A/17                             |
| 7           | 2      | 1.16       | .500 | Nickel  | Gold (C) | 1208021N001-000 | A/17                             |
| 9           | 2      | 1.16       | .500 | Nickel  | Gold     | 1208036N000-000 | A/18                             |
| 9           | 2      | 1.16       | .500 | Nickel  | Gold (C) | 1208036N001-000 | A/18                             |
| 11          | 2      | 1.16       | .500 | Nickel  | Gold     | 1208038N000-000 | A/18                             |

### Heli-Grip for Flexible Cable

|                   |   |      |      |        |            |                 |      |
|-------------------|---|------|------|--------|------------|-----------------|------|
| 5, 6 <sup>§</sup> | 2 | 1.16 | .500 | Nickel | Silver (C) | 1208018N005-001 | E/03 |
| RG-223            | 2 | 1.16 | .500 | Nickel | Silver (C) | 1208015N005-000 | E/03 |
| 7                 | 2 | 1.16 | .500 | Nickel | Silver (C) | 1208019N005-000 | E/03 |
| 8A                | 2 | 1.16 | .500 | Nickel | Silver (C) | 1208029N005-000 | E/03 |
| 8B                | 2 | 1.16 | .500 | Nickel | Silver (C) | 1208043N005-000 | E/03 |
| 9                 | 2 | 1.16 | .500 | Nickel | Silver (C) | 1208037N005-000 | E/03 |
| 10                | 2 | 1.16 | .500 | Nickel | Silver (C) | 1208100N005-000 | E/03 |
| 11                | 2 | 1.16 | .500 | Nickel | Silver (C) | 1208038N005-000 | E/03 |

### Crimp Type for Flexible Cable

|   |   |      |      |        |        |                   |      |
|---|---|------|------|--------|--------|-------------------|------|
| 5 | 3 | 1.16 | .500 | Nickel | Gold   | 1210017N000-000   | B/05 |
| 6 | 3 | 1.16 | .500 | Nickel | Gold   | 1210013N000-000   | B/05 |
| 7 | 3 | 1.16 | .500 | Nickel | Gold   | 1210020N000-000   | B/05 |
| 7 | 3 | 1.06 | .410 | Nickel | Silver | 1210020N001-000** | ***  |

### Solder-Clamp for Semi-Rigid Cable

|    |   |      |      |         |      |                 |      |
|----|---|------|------|---------|------|-----------------|------|
| 13 | 2 | 1.16 | .500 | Nickel* | Gold | 1208031N003-000 | F/08 |
| 14 | 2 | 1.16 | .500 | Nickel* | Gold | 1208025N003-000 | F/07 |

<sup>§</sup>Except RG-223/U.

\*Solder ferrule is gold plated.

- See page 209 for cable groups.
- Assembly procedures start on page 210.
- (C) in contact plating column indicates captive contact.
- See page 6 for alternate body plating information.
- \*\*Indicates crimp center contact.
- \*\*\*Contact factory for cable assembly instructions.

## Bulkhead Jacks - For Flexible & Semi-Rigid Cable

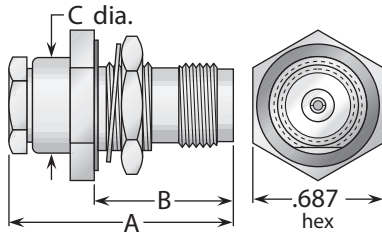


Figure 1  
(Rear mount)

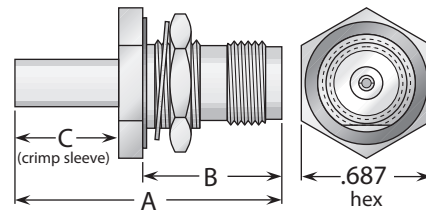
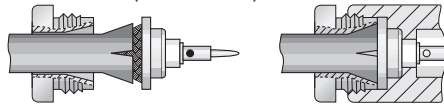


Figure 2  
(Rear mount)

See page 199 for MIL-PRF-39012 QPL versions.

### Heli-Grip® Cable Attachment (where noted)



These connectors have captivated contacts and allow rapid, easy assembly—simply trim the cable, slide into the cone/insulator/contact assembly (left), solder the center conductor to the contact, and screw body assembly (right) onto the cable assembly.

### Military Clamp for Flexible Cable

| Cable Group | Fig. | Dimensions |      |      | Mounting Figure | Max. Panel | Plating |          | Delta P/N       | Assembly Procedure/Trim Code |
|-------------|------|------------|------|------|-----------------|------------|---------|----------|-----------------|------------------------------|
|             |      | A          | B    | C    |                 |            | Body    | Contact  |                 |                              |
| 5, 6        | 1    | 1.16       | .680 | .500 | 59              | .110       | Nickel  | Gold     | 1216015N590-000 | A/17                         |
| 5, 6        | 1    | 1.16       | .680 | .500 | 59              | .110       | Nickel  | Gold (C) | 1216015N591-000 | A/17                         |
| 5, 6        | 1    | 1.16       | .810 | .500 | 59              | .240       | Nickel  | Gold (C) | 1216015N59E-000 | A/17                         |
| 7           | 1    | 1.16       | .680 | .500 | 59              | .110       | Nickel  | Gold     | 1216021N590-002 | A/17                         |
| 7           | 1    | 1.16       | .680 | .500 | 59              | .110       | Nickel  | Gold (C) | 1216021N591-000 | A/17                         |
| 7           | 1    | 1.16       | .810 | .500 | 59              | .240       | Nickel  | Gold (C) | 1216021N59E-000 | A/17                         |
| 9           | 1    | 1.16       | .680 | .500 | 59              | .110       | Nickel  | Gold     | 1216036N590-000 | A/17                         |
| 9           | 1    | 1.16       | .680 | .500 | 59              | .110       | Nickel  | Gold (C) | 1216036N591-005 | A/18                         |
| 11          | 1    | 1.16       | .680 | .500 | 59              | .110       | Nickel  | Gold     | 1216038N590-002 | A/18                         |
| 11          | 1    | 1.16       | .680 | .500 | 59              | .110       | Nickel  | Gold (C) | 1216038N591-001 | A/18                         |

### Heli-Grip for Flexible Cable

|                   |   |      |      |      |    |      |        |            |                 |      |
|-------------------|---|------|------|------|----|------|--------|------------|-----------------|------|
| 5, 6 <sup>§</sup> | 1 | 1.16 | .810 | .500 | 59 | .240 | Nickel | Silver (C) | 1216018N595-000 | E/03 |
| RG-223            | 1 | 1.16 | .810 | .500 | 59 | .240 | Nickel | Silver (C) | 1216015N595-001 | E/03 |
| 7                 | 1 | 1.16 | .810 | .500 | 59 | .240 | Nickel | Silver (C) | 1216019N595-000 | E/03 |
| 8A                | 1 | 1.16 | .810 | .500 | 59 | .240 | Nickel | Silver (C) | 1216029N595-000 | E/03 |
| 8B                | 1 | 1.16 | .810 | .500 | 59 | .240 | Nickel | Silver (C) | 1216043N595-000 | E/03 |
| 9                 | 1 | 1.16 | .810 | .500 | 59 | .240 | Nickel | Silver (C) | 1216037N595-000 | E/03 |
| 10                | 1 | 1.16 | .810 | .500 | 59 | .240 | Nickel | Silver (C) | 1216100N595-002 | E/03 |
| 11                | 1 | 1.16 | .810 | .500 | 59 | .240 | Nickel | Silver (C) | 1216038N595-000 | E/03 |

### Crimp Type for Flexible Cable

|   |   |      |      |      |    |      |        |      |                 |      |
|---|---|------|------|------|----|------|--------|------|-----------------|------|
| 5 | 2 | 1.31 | .680 | .500 | 59 | .110 | Nickel | Gold | 1219017N590-000 | B/13 |
| 6 | 2 | 1.31 | .680 | .500 | 59 | .110 | Nickel | Gold | 1219013N590-002 | B/13 |
| 7 | 2 | 1.31 | .680 | .500 | 59 | .110 | Nickel | Gold | 1219020N590-000 | B/13 |

### Solder-Clamp for Semi-Rigid Cable

|    |   |      |      |      |    |      |         |      |                 |      |
|----|---|------|------|------|----|------|---------|------|-----------------|------|
| 13 | 1 | 1.16 | .680 | .500 | 59 | .110 | Nickel* | Gold | 1216031N593-000 | F/08 |
| 14 | 1 | 1.16 | .680 | .500 | 59 | .110 | Nickel* | Gold | 1216025N593-000 | F/07 |

<sup>§</sup>Except RG-223/U.

\* Solder ferrule is gold plated.

- See page 209 for cable groups.
- Assembly procedures start on page 210.
- See page 208 for mounting dimensions.
- (C) in contact plating column indicates captive contact.
- See page 6 for alternate body plating information.

## Bulkhead Jacks - For Flexible & Semi-Rigid Cable

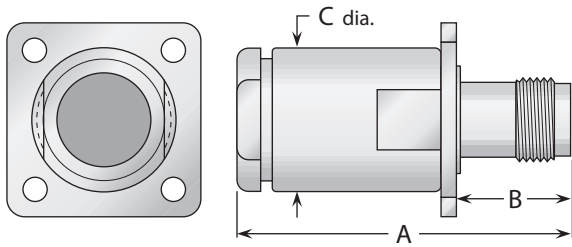


Figure 1

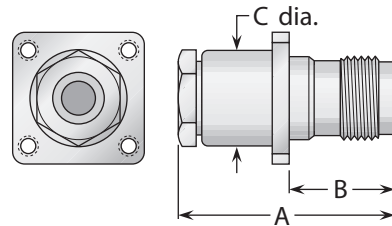
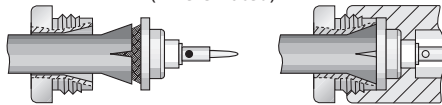


Figure 2

See page 200 for MIL-PRF-39012 QPL version.

### Heli-Grip® Cable Attachment (where noted)



These connectors have captivated contacts and allow rapid, easy assembly—simply trim the cable, slide into the cone/insulator/contact assembly (left), solder the center conductor to the contact, and screw body assembly (right) onto the cable assembly.

| Cable Group                              | Fig. | Dimensions |      |      | Mounting Figure | Plating |            | Delta P/N       | Assembly Procedure/Trim Code |
|--|------|------------|------|------|-----------------|---------|------------|-----------------|------------------------------|
|  |      | A          | B    | C    |                 | Body    | Contact    |                 |                              |
| <b>Military Clamp for Flexible Cable</b> |      |            |      |      |                 |         |            |                 |                              |
| 1  | 1    | 1.75       | .630 | .750 | 33              | Nickel  | Gold       | 1211001N330-000 | A/20                         |
| 2, 3                                     | 1    | 1.75       | .630 | .750 | 33              | Nickel  | Gold       | 1211004N330-000 | A/20                         |
| 5, 6                                     | 2    | 1.16       | .550 | .500 | 07              | Nickel  | Gold       | 1211015N070-000 | A/17                         |
| 5, 6                                     | 2    | 1.16       | .550 | .500 | 07              | Nickel  | Gold (C)   | 1211015N071-000 | A/17                         |
| 7  | 2    | 1.16       | .550 | .500 | 07              | Nickel  | Gold       | 1211021N070-000 | A/17                         |
| 7  | 2    | 1.16       | .550 | .500 | 07              | Nickel  | Gold (C)   | 1211021N071-000 | A/17                         |
| 9  | 2    | 1.16       | .550 | .500 | 07              | Nickel  | Gold       | 1211036N070-000 | A/18                         |
| 9  | 2    | 1.16       | .550 | .500 | 07              | Nickel  | Gold (C)   | 1211036N071-000 | A/18                         |
| 11                                       | 2    | 1.16       | .550 | .500 | 07              | Nickel  | Gold       | 1211038N070-000 | A/18                         |
| <b>Heli-Grip for Flexible Cable</b>      |      |            |      |      |                 |         |            |                 |                              |
| 5, 6 <sup>§</sup>                        | 1    | 1.16       | .550 | .500 | 07              | Nickel  | Silver (C) | 1211018N075-001 | E/03                         |
| RG-223                                   | 1    | 1.16       | .550 | .500 | 07              | Nickel  | Silver (C) | 1211015N075-000 | E/03                         |
| 7  | 1    | 1.16       | .550 | .500 | 07              | Nickel  | Silver (C) | 1211019N075-000 | E/03                         |
| 8A                                       | 1    | 1.16       | .550 | .500 | 07              | Nickel  | Silver (C) | 1211029N075-000 | E/03                         |
| 8B                                       | 1    | 1.16       | .550 | .500 | 07              | Nickel  | Silver (C) | 1211043N075-000 | E/03                         |
| 9  | 1    | 1.16       | .550 | .500 | 07              | Nickel  | Silver (C) | 1211037N075-000 | E/03                         |
| 10                                       | 1    | 1.16       | .550 | .500 | 07              | Nickel  | Silver (C) | 1211100N075-000 | E/03                         |
| 11                                       | 1    | 1.16       | .550 | .500 | 07              | Nickel  | Silver (C) | 1211038N075-000 | E/03                         |
| <b>Solder-Clamp for Semi-Rigid Cable</b> |      |            |      |      |                 |         |            |                 |                              |
| 13                                       | 1    | 1.16       | .550 | .500 | 07              | Nickel* | Gold       | 1211031N073-000 | F/08                         |
| 14                                       | 1    | 1.16       | .550 | .500 | 07              | Nickel* | Gold       | 1211025N073-000 | F/07                         |

<sup>§</sup>Except RG-223/U.

\* Solder ferrule is gold plated.

- See page 209 for cable groups.
- Assembly procedures start on page 210.
- See page 208 for mounting dimensions.
- (C) in contact plating column indicates captive contact.
- See page 6 for alternate body plating information.



## Panel Jack Receptacles - Square Flange

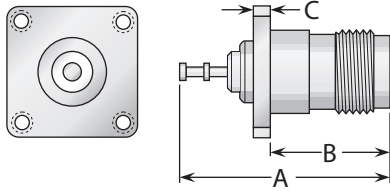


Figure 1  
(Turret contact)

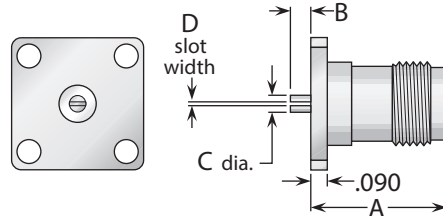


Figure 2  
(Slotted contact)

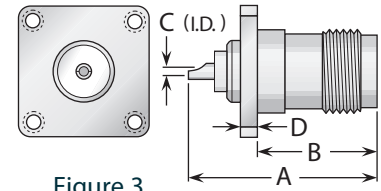


Figure 3  
(Solder pot contact)

See page 201 for  
MIL-PRF-39012 QPL version.

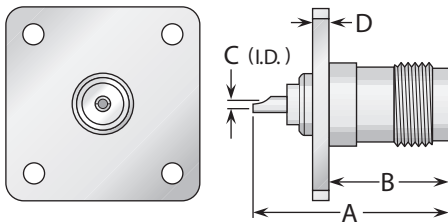


Figure 4  
(Solder pot contact, 1" square flange,  
interchangeable with type N standard flange size)

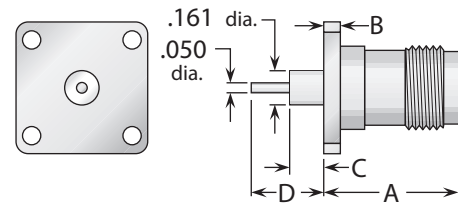


Figure 5  
(Post contact)

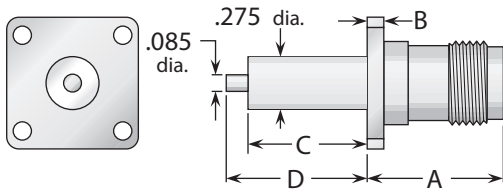


Figure 6  
(Post contact)

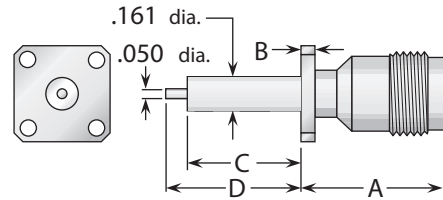


Figure 7  
(Post contact, 1/2" square flange,  
interchangeable with SMA standard flange size)

| Figure | Dimensions |      |      |           | Mounting Figure | Plating |            | Delta P/N       |
|--------|------------|------|------|-----------|-----------------|---------|------------|-----------------|
|        | A          | B    | C    | D         |                 | Body    | Contact    |                 |
| 1      | 1.06       | .630 | .090 | —         | 07              | Nickel  | Silver (C) | 1212000N070-000 |
| 2      | .715       | .050 | .085 | .012/.017 | 09              | Nickel  | Gold (C)*  | 1243000F09E-001 |
| 2      | .715       | .050 | .085 | .036/.040 | 09              | Nickel  | Gold (C)*  | 1243000F09E-002 |
| 3      | 1.06       | .630 | .062 | .090      | 07              | Nickel  | Gold (C)   | 1213000N071-000 |
| 3      | 1.06       | .630 | .062 | .090      | 08              | Nickel  | Gold (C)   | 1213000N080-000 |
| 3      | 1.06       | .630 | .062 | .090      | 09              | Nickel  | Gold (C)   | 1213000N090-000 |
| 3      | 1.06       | .630 | .062 | .090      | 18              | Nickel  | Gold (C)   | 1213000N180-000 |
| 4      | 1.06       | .630 | .062 | .080      | 33              | Nickel  | Gold (C)   | 1213000N330-000 |
| 5      | .715       | .090 | .175 | .375      | 09              | Nickel  | Gold (C)   | 1258000N091-009 |
| 6      | .750       | .080 | .000 | 1.25      | 18              | Nickel  | Gold (C)   | 1258000N181-000 |
| 6      | .750       | .080 | .590 | .705      | 18 <sup>s</sup> | Nickel  | Gold (C)*  | 1258000N181-009 |
| 7      | .750       | .080 | .590 | .705      | 05              | Nickel  | Gold (C)   | 1258000N051-000 |

- (C) in contact plating column indicates captive contact. • \*Indicates epoxy-captivated contact.
- <sup>s</sup>Flange #18 except with .125 dia. mounting holes. • See page 6 for alternate body plating information.
- See page 208 for mounting dimensions. • All items are available with other flange sizes and contact configurations.

## Right Angle & Panel Jack Receptacles - Square Flange



Figure 1  
(Solder pot contact)

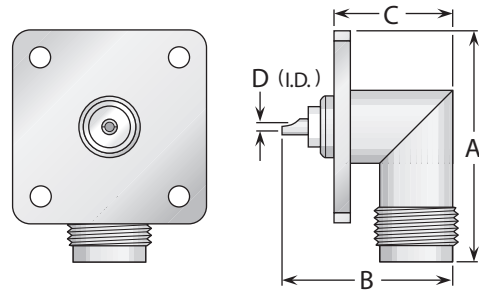


Figure 2  
(Solder pot contact, 1" square flange, interchangeable with type N standard flange size)

| Figure | Dimensions |      |      |      | Mounting Figure | Plating |          | Delta P/N       |
|--------|------------|------|------|------|-----------------|---------|----------|-----------------|
|        | A          | B    | C    | D    |                 | Body    | Contact  |                 |
| 1      | 1.06       | .910 | .650 | .062 | 07              | Nickel  | Gold (C) | 1215000N070-000 |
| 1      | 1.06       | .910 | .650 | .062 | 08              | Nickel  | Gold (C) | 1215000N080-000 |
| 1      | 1.09       | .910 | .610 | .062 | 18              | Nickel  | Gold (C) | 1215000N180-000 |
| 2      | 1.22       | .910 | .650 | .062 | 33              | Nickel  | Gold (C) | 1215000N330-000 |

## Panel Plug Receptacles - Square Flange



Figure 1  
(Solder pot contact, 3/4" square flange)

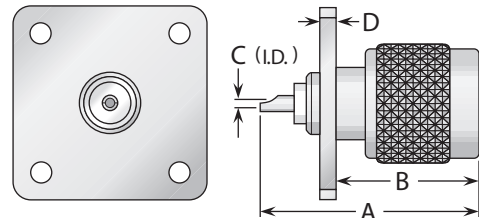
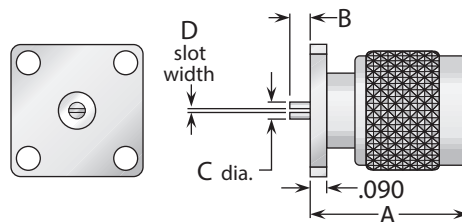


Figure 2  
(Solder pot contact, 1" square flange, interchangeable with type N standard flange size)

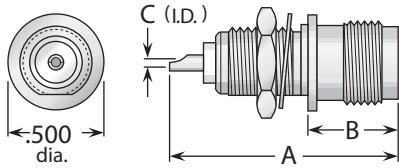
Figure 3  
(Slotted contact, 11/16" square flange)



| Figure | Dimensions |      |      |           | Mounting Figure | Plating |          | Delta P/N       |
|--------|------------|------|------|-----------|-----------------|---------|----------|-----------------|
|        | A          | B    | C    | D         |                 | Body    | Contact  |                 |
| 1      | 1.16       | .740 | .062 | .090      | 18              | Nickel  | Gold (C) | 1223000N180-000 |
| 2      | 1.16       | .740 | .062 | .080      | 33              | Nickel  | Gold (C) | 1223000N330-000 |
| 3      | .830       | .050 | .083 | .012/.017 | 09              | Nickel  | Gold (C) | 1259000N091-001 |
| 3      | .830       | .050 | .083 | .030      | 09              | Nickel  | Gold (C) | 1259000N091-002 |
| 3      | .830       | .050 | .083 | .040      | 09              | Nickel  | Gold (C) | 1259000N091-003 |

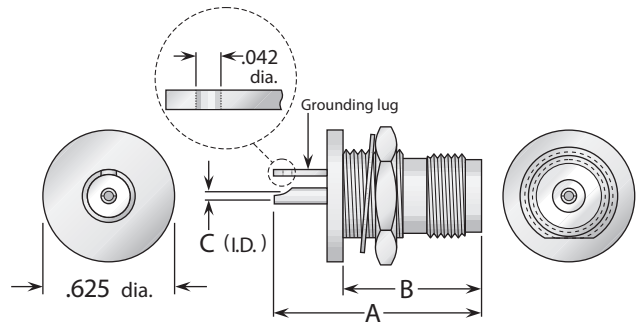
- (C) in contact plating column indicates captive contact.
- See page 6 for alternate body plating information.
- See page 208 for mounting dimensions.
- All items are available with other flange sizes and contact configurations.

## Bulkhead Jack Receptacles

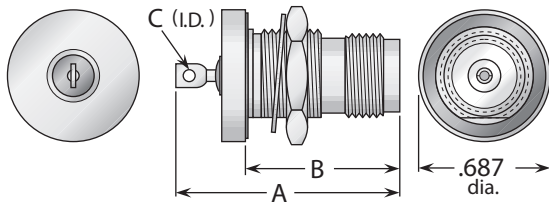


**Figure 1**  
(Front mount)

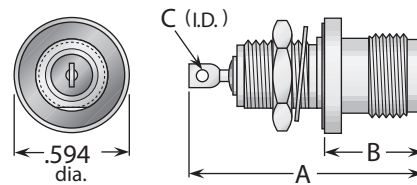
See page 200 for MIL-PRF-39012 QPL version.



**Figure 2**  
(Rear mount, with grounding lug)

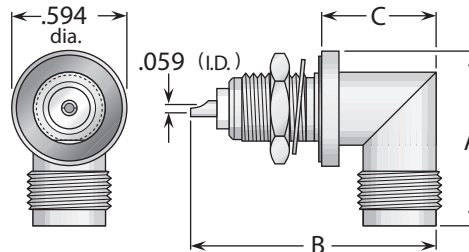


**Figure 3**  
(Rear mount, hermetically sealed,  
with mounting gasket)



**Figure 4**  
(Front mount, hermetically sealed,  
with mounting gasket)

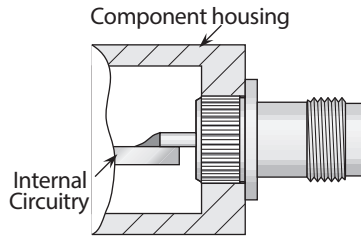
**Figure 5**  
(Right angle, with mounting gasket)



| Figure | Dimensions |      |      | Max. Panel | Mounting Figure | Plating |            | Delta P/N       |
|--------|------------|------|------|------------|-----------------|---------|------------|-----------------|
|        | A          | B    | C    |            |                 | Body    | Contact    |                 |
| 1      | 1.06       | .470 | .062 | .130       | 62              | Nickel  | Gold (C)   | 1220000N620-000 |
| 1      | 1.19       | .470 | .062 | .260       | 62              | Nickel  | Gold (C)   | 1220000N62E-001 |
| 1      | 1.06       | .470 | .062 | .130       | 65              | Nickel  | Gold (C)   | 1220000N650-000 |
| 1      | 1.06       | .470 | .062 | .190       | 65              | Nickel  | Silver (C) | 1220000N656-000 |
| 1      | 1.06       | .470 | .062 | .190       | 65              | Nickel  | Gold (C)   | 1220000N65E-000 |
| 1      | 1.19       | .470 | .062 | .260       | 65              | Nickel  | Gold (C)   | 1220000N65G-000 |
| 2      | 1.06       | .750 | .062 | .160       | 59              | Nickel  | Gold (C)   | 1221000N591-003 |
| 3      | 1.20       | .830 | .062 | .260       | 59              | Nickel  | Gold (C)   | 1221000N598-000 |
| 4      | 1.20       | .520 | .062 | .260       | 65              | Nickel  | Gold (C)   | 1220000N638-000 |
| 5      | .970       | 1.22 | .590 | .130       | 65              | Nickel  | Gold (C)   | 1222000N630-001 |
| 5      | .970       | 1.34 | .590 | .250       | 65              | Nickel  | Gold (C)   | 1222000N630-002 |

(C) in contact plating column indicates captive contact. • See page 208 for mounting dimensions.  
See page 6 for alternate body plating information. • All items are available with other flange sizes and contact configurations.

## Press Mount Receptacles



### Delta Press Mount Receptacles

These connectors eliminate the need for complicated mounting hole patterns and mounting hardware.

They are simply pressed into a single through hole, and the precisely-engineered knurled mounting section provides retention strength far greater than normal mating and unmating forces. An integral shoulder provides a positive stop when mounting.

PressMounts are available for a wide variety of Delta connector series, and can be used in packages as small as the outer diameter of the connector body.

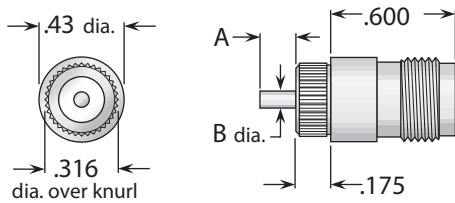


Figure 1  
(Post contact)

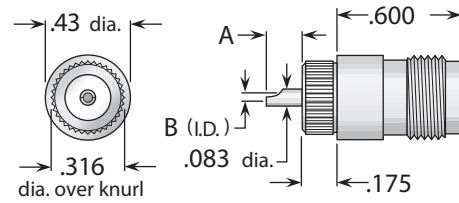


Figure 2  
(Solder pot contact)

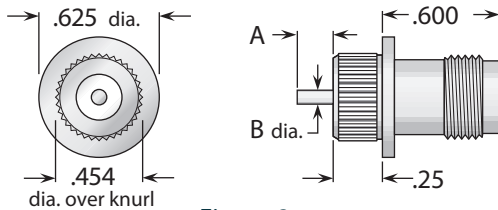


Figure 3  
(Post contact)

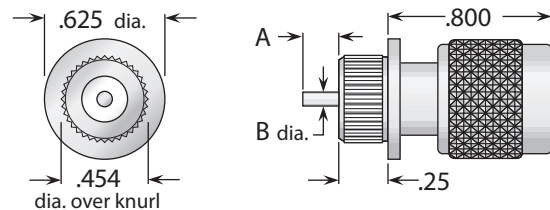


Figure 4  
(Plug type, post contact)

| Figure | Dimensions |      | Min. Panel | Mounting Hole   | Plating |          | Delta P/N       |
|--------|------------|------|------------|-----------------|---------|----------|-----------------|
|        | A          | B    |            |                 | Body    | Contact  |                 |
| 1      | .062       | .050 | .150       | .312 ±.001 dia. | Nickel  | Gold (C) | 1220000N911-002 |
| 2      | .285       | .062 | .150       | .312 ±.001 dia. | Nickel  | Gold (C) | 1220000N911-003 |
| 3      | .060       | .050 | .200       | .450 ±.001 dia. | Nickel  | Gold (C) | 1220000N911-005 |
| 4      | .060       | .050 | .200       | .450 ±.001 dia. | Nickel  | Gold (C) | 1224000N911-002 |

## Stripline Receptacles



Figure 1

| Figure | Dimensions |      |      |      |      |      |      |      | Plating |          | Delta P/N       |
|--------|------------|------|------|------|------|------|------|------|---------|----------|-----------------|
|        | A          | B    | C    | D    | E    | F    | G    | H    | Body    | Contact  |                 |
| 1      | .078       | .310 | .500 | .063 | .063 | .220 | .828 | .375 | Nickel  | Gold (C) | 1256000N000-002 |
| 1      | #2-56      | .250 | .500 | .063 | .063 | .220 | .828 | .375 | Nickel  | Gold (C) | 1256000N000-003 |

- (C) in contact plating column indicates captive contact.
- See page 6 for alternate body plating information.
- All items are available with other flange sizes and contact configurations.

## Resistive Termination (Plug Type)

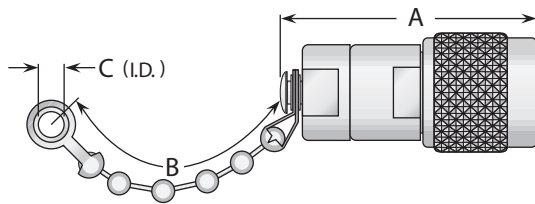


Figure 1

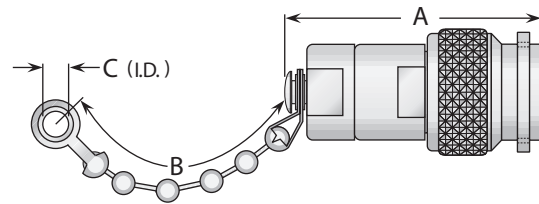


Figure 2

(Safety-wire holes in coupling nut)

| Resistor           | Fig. | Dimensions |      |      | Features   | Plating |          | Delta P/N       |
|--------------------|------|------------|------|------|------------|---------|----------|-----------------|
|                    |      | A          | B    | C    |            | Body    | Contact  |                 |
| 51 Ω ±5%, 1/2 Watt | 1    | 1.25       | 3.50 | .144 | Bead chain | Nickel  | Gold (C) | 1231000N000-000 |
| 51 Ω ±5%, 1/2 Watt | 1    | 1.25       | —    | —    | No chain   | Nickel  | Gold (C) | 1231000N00A-000 |
| 75 Ω ±1%, 1/2 Watt | 2    | 1.25       | 3.50 | .144 | Bead chain | Nickel  | Gold (C) | 1231000N000-005 |
| 75 Ω ±1%, 1/2 Watt | 1    | 1.25       | —    | —    | No chain   | Nickel  | Gold (C) | 1231000N00A-002 |

## Dust Caps

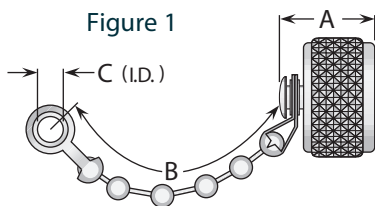


Figure 1

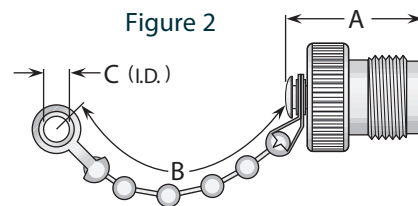
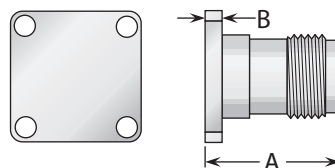


Figure 2

| Figure | Dimensions |      |      | Features                   | Plating |          | Delta P/N       |
|--------|------------|------|------|----------------------------|---------|----------|-----------------|
|        | A          | B    | C    |                            | Body    | Contact  |                 |
| 1      | .530       | 2.25 | .144 | Bead chain                 | Nickel  | —        | 1232000N000-000 |
| 1      | .370       | —    | —    | No chain                   | Nickel  | —        | 1232000N00A-000 |
| 1      | .690       | 2.25 | .144 | Bead chain / shorting type | Nickel  | Gold (C) | 1232000N00C-000 |
| 2      | .580       | 3.50 | .144 | Bead chain                 | Nickel  | —        | 1233000N000-002 |
| 2      | .580       | —    | —    | No chain                   | Nickel  | —        | 1233000N00A-000 |
| 2      | .690       | 2.50 | .144 | Bead chain / shorting type | Nickel  | Gold (C) | 1233000N00C-000 |

## Dummy Receptacle



| Dimensions |      | Mounting Figure | Plating |         | Delta P/N       |
|------------|------|-----------------|---------|---------|-----------------|
| A          | B    |                 | Body    | Contact |                 |
| .715       | .080 | 09              | Nickel  | —       | 1263000N090-000 |

- (C) in contact plating column indicates captive contact.
- See page 6 for alternate body plating information.
- See page 203 for mounting dimensions.
- Caps and terminations are available with other chain styles and/or resistances.

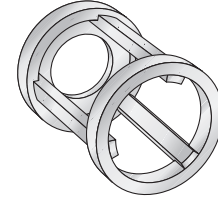
## Keying Baskets - For Polarization Of Mated Pairs

### Multiple Polarizations in a Single Installation

In applications with multiple connector pairs, these keying baskets polarize individual jacks so they can only be mated with plugs that have coupling nuts modified with the correct groove orientation.

The grooves in the plug coupling nuts engage the keying bars in the basket, making it impossible to mismate pairs, even by force.

The keying baskets can be used with any TNC jack—they slide over the jack's mating threads and are secured with a Truarc retaining ring. Any Delta TNC plug can be supplied with a grooved coupling nut to match any keying basket.



### Application Example

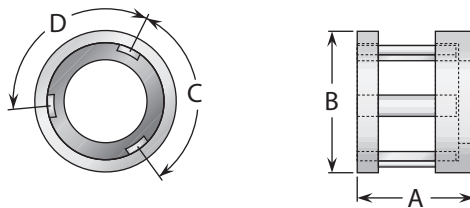
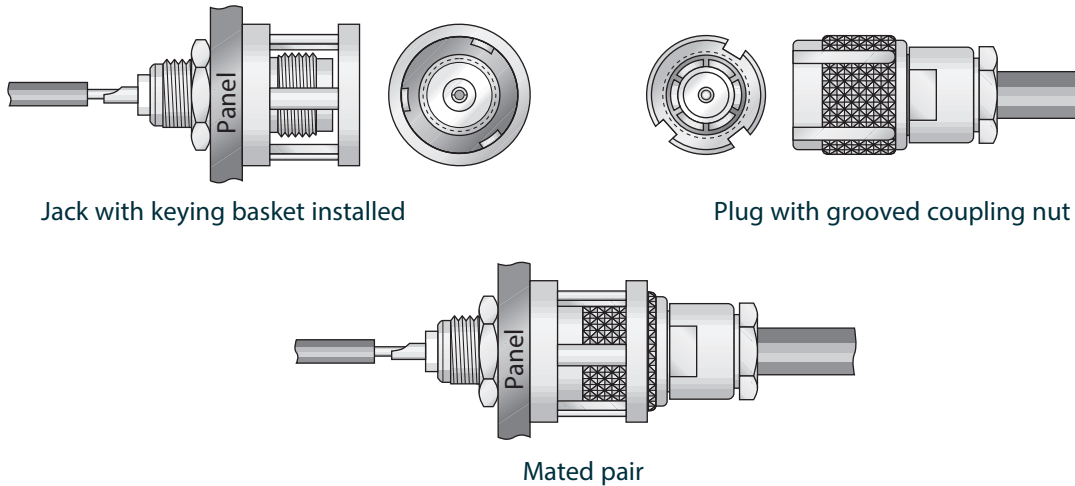


Figure 1

| Figure | Dimensions |      |      |      | Plating | Delta P/N       |
|--------|------------|------|------|------|---------|-----------------|
|        | A          | B    | C    | D    |         |                 |
| 1      | .430       | .730 | 72°  | 120° | Silver  | 1261000A00M-001 |
| 1      | .430       | .730 | 96°  | 96°  | Silver  | 1261000A00M-002 |
| 1      | .430       | .730 | 120° | 144° | Silver  | 1261000A00M-003 |
| 1      | .430       | .730 | 72°  | 144° | Silver  | 1261000A00M-004 |
| 1      | .430       | .730 | 120° | 120° | Silver  | 1261000A00M-005 |
| 1      | .430       | .730 | 120° | 72°  | Silver  | 1261000A00M-006 |

See page 6 for alternate body plating information.

## Bulkhead & Panel Mounted Jack-Jack Adapters (Connect Two Plugs)

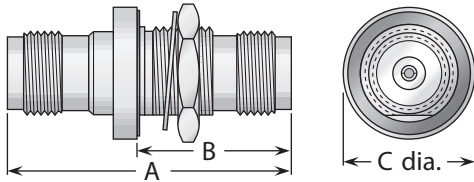


Figure 1  
(Bulkhead mount)

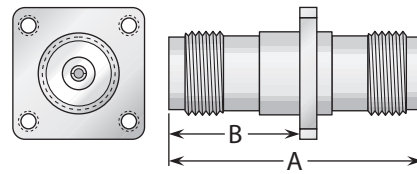


Figure 2  
(Panel mount)

| Figure | Dimensions |      |      | Max. Panel | Mounting Figure | Plating |            | Delta P/N         |
|--------|------------|------|------|------------|-----------------|---------|------------|-------------------|
|        | A          | B    | C    |            |                 | Body    | Contact    |                   |
| 1      | 1.28       | .800 | .625 | .160       | 59              | Nickel  | Gold (C)   | 1226000N591-001   |
| 1      | 1.39       | .760 | .690 | .190       | 59              | Nickel  | Gold (C)   | 1226000N598-002 * |
| 2      | 1.28       | .690 | —    | —          | 07              | Nickel  | Silver (C) | 1225000N070-001   |

\* Hermetically sealed, with mounting gasket.

## Straight Adapters

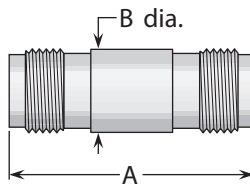


Figure 1  
(Straight jack-jack;  
connects two plugs)



Figure 2  
(Straight plug-plug;  
connects two jacks)

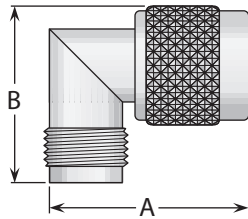


Figure 3  
(Straight jack-plug;  
connects one plug and one jack)

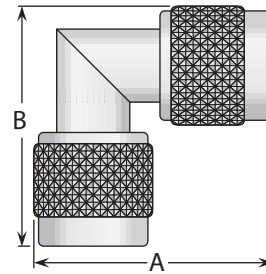
| Figure | Dimensions |      | Plating |            | Delta P/N       |
|--------|------------|------|---------|------------|-----------------|
|        | A          | B    | Body    | Contact    |                 |
| 1      | 1.28       | .440 | Nickel  | Silver (C) | 1228000N000-000 |
| 2      | 1.25       | —    | Nickel  | Gold (C)   | 1227000N000-000 |
| 3      | 1.22       | —    | Nickel  | Gold (C)   | 1234000N000-000 |

(C) in contact plating column indicates captive contact. • See page 6 for alternate body plating information.  
See page 208 for mounting dimensions.

## Right Angle Adapters



**Figure 1**  
 (Right angle plug-jack;  
 connects one plug and one jack)

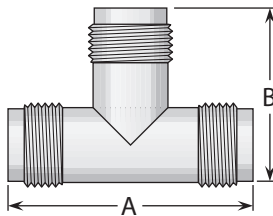


**Figure 2**  
 (Right angle plug-plug;  
 connects two jacks)

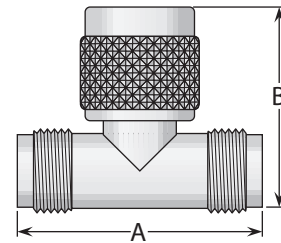
| Figure | Dimensions |      | Plating |          | Delta P/N       |
|--------|------------|------|---------|----------|-----------------|
|        | A          | B    | Body    | Contact  |                 |
| 1      | 1.03       | .950 | Nickel  | Gold (C) | 1229000N000-000 |
| 2      | 1.25       | 1.25 | Nickel  | Gold (C) | 1241000N000-000 |

## Tee Adapters

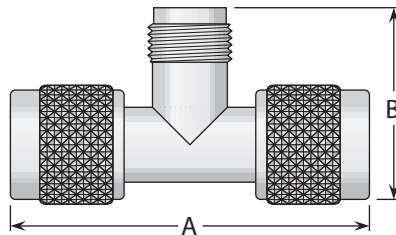
**Figure 1**  
 (Tee jack-jack-jack;  
 connects three plugs)



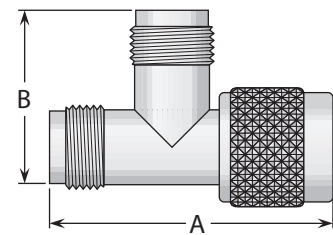
**Figure 2**  
 (Tee jack-plug-jack;  
 connects two plugs  
 and one jack)



**Figure 3**  
 (Tee plug-jack-plug;  
 connects two jacks  
 and one plug)



**Figure 4**  
 (Tee jack-jack-plug;  
 connects two plugs  
 and one jack)



| Figure | Dimensions |      | Plating |            | Delta P/N       |
|--------|------------|------|---------|------------|-----------------|
|        | A          | B    | Body    | Contact    |                 |
| 1      | 1.28       | .880 | Nickel  | Gold (C)   | 1238000N000-000 |
| 2      | 1.28       | 1.03 | Nickel  | Gold (C)   | 1230000N000-000 |
| 3      | 1.88       | .950 | Nickel  | Gold (C)   | 1242000N000-000 |
| 4      | 1.48       | 1.06 | Nickel  | Silver (C) | 1249000N000-000 |

• (C) in contact plating column indicates captive contact.

• See page 6 for alternate body plating information.



## Cable Plugs & Jacks

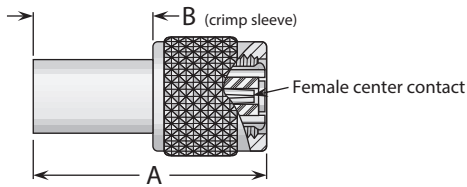


Figure 1  
(Crimp type plug)

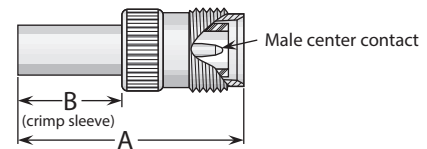


Figure 2  
(Crimp type jack)

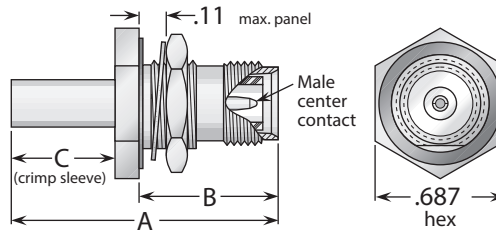


Figure 3  
(Crimp type bulkhead jack)

| Cable Group | Fig. | Dimensions |      |      | Mounting Figure | Plating |         | Delta P/N       | Assembly Procedure/Trim Code |
|-------------|------|------------|------|------|-----------------|---------|---------|-----------------|------------------------------|
|             |      | A          | B    | C    |                 | Body    | Contact |                 |                              |
| 5           | 1    | 1.06       | .500 | —    | —               | Nickel  | Gold    | 1203017N002-000 | B/23                         |
| 5           | 2    | 1.16       | .500 | —    | —               | Nickel  | Gold    | 1210017N002-000 | B/05                         |
| 5           | 3    | 1.31       | .680 | .500 | 59              | Nickel  | Gold    | 1219017N592-000 | B/13                         |
| 6           | 1    | 1.06       | .500 | —    | —               | Nickel  | Gold    | 1203013N002-000 | B/23                         |
| 6           | 2    | 1.16       | .500 | —    | —               | Nickel  | Gold    | 1210013N002-000 | B/05                         |
| 6           | 3    | 1.31       | .680 | .500 | 59              | Nickel  | Gold    | 1219013N592-000 | B/13                         |

## Jack Receptacles

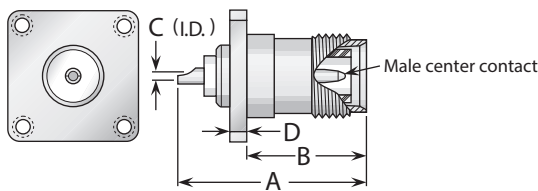


Figure 1  
(Panel jack receptacle)

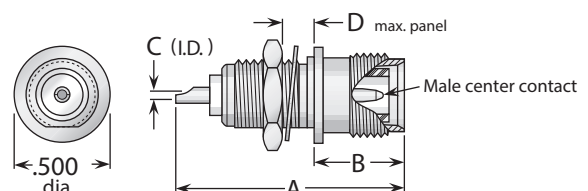


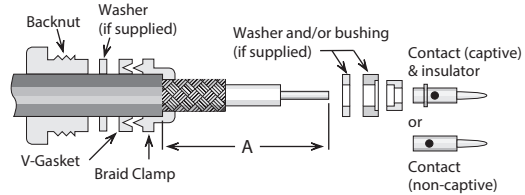
Figure 2  
(Bulkhead jack receptacle)

| Figure | Dimensions |      |      |      | Mounting Figure | Plating |          | Delta P/N       |
|--------|------------|------|------|------|-----------------|---------|----------|-----------------|
|        | A          | B    | C    | D    |                 | Body    | Contact  |                 |
| 1      | 1.06       | .630 | .062 | .090 | 07              | Nickel  | Gold (C) | 1213000N072-005 |
| 1      | 1.16       | .630 | .062 | .090 | 09              | Nickel  | Gold (C) | 1213000N092-000 |
| 2      | 1.06       | .470 | .062 | .130 | 62              | Nickel  | Gold (C) | 1220000N622-000 |
| 2      | 1.06       | .470 | .062 | .190 | 65              | Nickel  | Gold (C) | 1220000N652-001 |

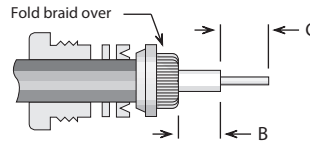
- See page 209 for cable groups.
- Assembly procedures start on page 210.
- See page 208 for mounting dimensions.
- (C) in contact plating column indicates captive contact.
- See page 6 for alternate body plating information.

## Assembly Procedure A

- 1) Trim cable jacket to dimension A. Slide backnut, washer, V-gasket, and braid clamp onto cable as shown. Cable jacket should bottom on step in braid clamp.



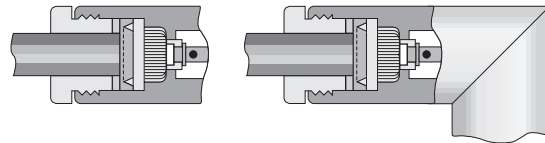
- 2) Comb braid wires out straight and fold back over front shoulder of braid clamp (braid wires should not overlap one another after folding). Trim braid wires flush with step of braid clamp. Trim cable dielectric and center conductor to dimensions B and C.



- 3) If support insulator is provided for RG-62 or 71 cable, insert into hollow in dielectric. Assemble rear bushing or washer (if supplied), rear insulator (if captive contact) and contact, and solder contact to center conductor. Rear of contact should be flush with cable dielectric end. For right angle connectors with access cap, omit this step entirely.



- 4) Insert prepared cable and hardware into body and tighten backnut. For right angle connectors with access cap, solder center conductor into slot in contact and tighten access cap.



### Trim Codes For Assembly Procedure A

| Code | A            | B            | C            | Code | A            | B            | C            |
|------|--------------|--------------|--------------|------|--------------|--------------|--------------|
| A/01 | .375 (3/8)   | .047 (3/64)  | .203 (13/64) | A/20 | .375 (3/8)   | .047 (3/64)  | .172 (11/64) |
| A/02 | .375 (3/8)   | .109 (7/64)  | .203 (13/64) | A/21 | .500 (1/2)   | .313 (5/16)  | .172 (11/64) |
| A/03 | .438 (7/16)  | .250 (1/4)   | .188 (3/16)  | A/22 | .375 (3/8)   | .188 (3/16)  | .141 (9/64)  |
| A/04 | .281 (9/32)  | .047 (3/64)  | .125 (1/8)   | A/23 | .438 (7/16)  | .078 (5/64)  | .172 (11/64) |
| A/05 | .313 (5/16)  | .125 (1/8)   | .109 (7/64)  | A/24 | .500 (1/2)   | .094 (3/32)  | .141 (9/64)  |
| A/06 | .594 (19/32) | .391 (25/64) | .156 (5/32)  | A/25 | .438 (7/16)  | .141 (9/64)  | .172 (11/64) |
| A/07 | .375 (3/8)   | .047 (3/64)  | .125 (1/8)   | A/26 | .625 (5/8)   | .281 (9/32)  | .250 (1/4)   |
| A/08 | .281 (9/32)  | .109 (7/64)  | .094 (3/32)  | A/27 | .688 (11/16) | .281 (9/32)  | .125 (1/8)   |
| A/09 | .344 (11/32) | .109 (7/64)  | .094 (3/32)  | A/28 | .656 (21/32) | .297 (19/64) | .250 (1/4)   |
| A/10 | .406 (13/32) | .109 (7/64)  | .203 (13/64) | A/29 | .688 (11/16) | .125 (1/8)   | .313 (5/16)  |
| A/11 | .500 (1/2)   | .281 (9/32)  | .156 (5/32)  | A/30 | .688 (11/16) | .469 (15/32) | .156 (5/32)  |
| A/12 | .343         | .040         | .219         | A/31 | .700 (21/32) | .453 (29/64) | .250 (1/4)   |
| A/13 | .375 (3/8)   | .125 (1/8)   | .156 (5/32)  | A/32 | .313 (5/16)  | .078 (5/64)  | .188 (3/16)  |
| A/14 | .355         | .090         | .188 (3/16)  | A/33 | .250 (1/4)   | .078 (5/64)  | .094 (3/32)  |
| A/15 | .425         | .094 (3/32)  | .259         | A/34 | .250 (1/4)   | .062 (1/16)  | .109 (7/64)  |
| A/16 | .328 (21/64) | .094 (3/32)  | .188 (3/16)  | A/35 | .837         | .575         | .150         |
| A/17 | .375 (3/8)   | .109 (7/64)  | .125 (1/8)   | A/36 | .450         | .250         | .150         |
| A/18 | .375 (3/8)   | .062 (1/16)  | .172 (11/64) | A/37 | .281         | .038         | .188         |
| A/19 | .375 (3/8)   | .188 (3/16)  | .094 (3/32)  | A/38 | .281         | .069         | .156         |

## Assembly Procedure B

- 1) Trim cable per chart. Slide crimp sleeve back onto cable.



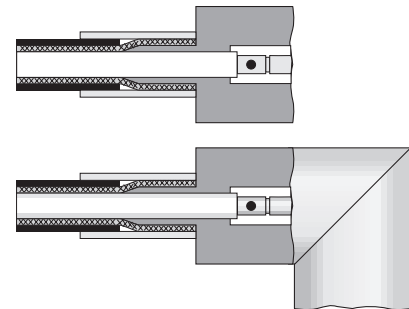
- 2) If support insulator is provided for RG-62 or 71 cable, insert into hollow in dielectric. Solder contact onto center conductor; back of contact flush with trimmed end of cable dielectric (omit this step for right angle connectors with access caps). Flare cut end of braid slightly by rotating dielectric.



- 3) Insert cable/contact into rear of body, with all braid wires on outside of crimp tail.
  - a) For captive contact connectors, push cable in until contact snaps into insulator.
  - b) For noncaptive contact connectors, push cable in until cable dielectric bottoms in connector.
  - c) For right angle or tee connectors with access caps, push cable in until end of braid touches connector body shoulder, and cable center conductor rests in contact slot.

Trim excess braid wires even with shoulder of body. Slide crimp sleeve forward until flush with body and crimp (see page 211 for hex die sizes).

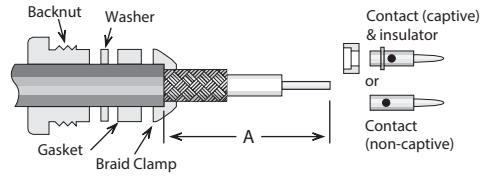
For right angle or tee connectors with access caps: Solder center conductor into contact slot, assemble insulator disc (if supplied), then press cap into body until seated or screw into place.



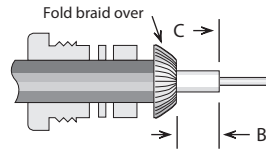
### Trim Codes For Assembly Procedure B

| Code | A    | B    | C    | Code | A    | B    | C    |
|------|------|------|------|------|------|------|------|
| B/01 | .320 | .470 | .140 | B/20 | .250 | .375 | .156 |
| B/02 | .422 | .578 | .172 | B/21 | .425 | .550 | .156 |
| B/03 | .406 | .500 | .187 | B/22 | .375 | .500 | .156 |
| B/04 | .285 | .505 | .140 | B/23 | .281 | .469 | .125 |
| B/05 | .335 | .460 | .140 | B/24 | .250 | .700 | .109 |
| B/06 | .187 | .437 | .219 | B/25 | .343 | .775 | .125 |
| B/07 | .422 | .610 | .156 | B/26 | .343 | .437 | .109 |
| B/08 | .422 | .562 | .219 | B/27 | .313 | .437 | .187 |
| B/09 | .313 | .610 | .203 | B/28 | .219 | .271 | .078 |
| B/10 | .280 | .436 | .187 | B/29 | .200 | .320 | .060 |
| B/11 | .430 | .542 | .156 | B/30 | .500 | .650 | .219 |
| B/12 | .300 | .434 | .156 | B/31 | .350 | .840 | .150 |
| B/13 | .300 | .447 | .156 | B/32 | .175 | .260 | .095 |
| B/14 | .420 | .645 | .187 | B/33 | .195 | .270 | .045 |
| B/15 | .300 | .420 | .120 | B/34 | .150 | .250 | .105 |
| B/16 | .312 | .609 | .125 | B/35 | .195 | .280 | .170 |
| B/17 | .250 | .500 | .156 | B/36 | .150 | .325 | .090 |
| B/18 | .437 | .562 | .109 | B/37 | .195 | .295 | .075 |
| B/19 | .343 | .437 | .156 | B/38 | .150 | .225 | .095 |
|      |      |      |      | B/39 | .250 | .300 | .135 |

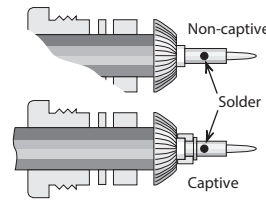
## Assembly Procedure C



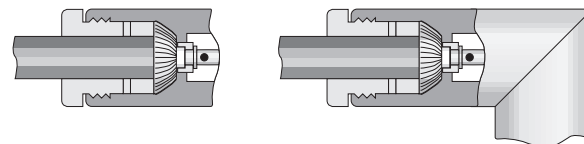
- 1) Trim cable jacket to dimension A. Slide backnut, washer, gasket, and braid clamp onto cable as shown. Cable jacket should bottom on step in braid clamp.



- 2) Comb braid wires out straight and fold back over front shoulder of braid clamp (braid wires should not overlap one another after folding). Trim braid wires flush with edge of braid clamp. Trim cable dielectric and center conductor to dimensions B and C.



- 3) If support insulator is provided for RG-62 or 71 cable, insert into hollow in dielectric. Assemble rear insulator (if captive contact) and contact, and solder contact to center conductor. Rear of contact should be flush with cable dielectric end.

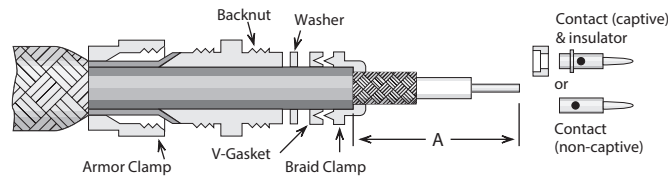


- 4) Insert prepared cable and hardware into body and tighten backnut. For right angle connectors with access cap, solder cable center conductor to slot in contact and tighten access cap.

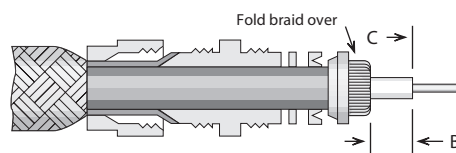
### Trim Codes

| Code | A            | B           | C           |
|------|--------------|-------------|-------------|
| C/01 | .656 (21/32) | .141 (9/64) | .250 (1/4)  |
| C/02 | .500 (1/2)   | .125 (1/8)  | .250 (1/4)  |
| C/03 | .450         | .136        | .187        |
| C/04 | .375 (3/8)   | .109 (7/64) | .125 (1/8)  |
| C/05 | .375 (3/8)   | .062 (1/16) | .250 (1/4)  |
| C/06 | .500 (1/2)   | .188 (3/16) | .125 (1/8)  |
| C/07 | .575         | .438        | .094        |
| C/08 | .625 (5/8)   | .141 (9/64) | .219 (7/32) |

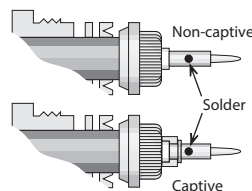
## Assembly Procedure D



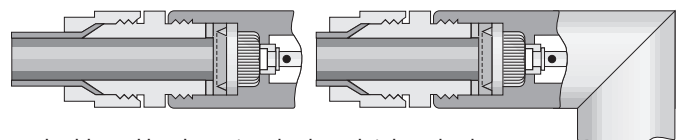
- 1) Slide armor clamp over cable. Push armor back to expose cable end. Slide backnut, washer (if supplied), gasket, and braid clamp onto cable as shown. Cable jacket should bottom on step in braid clamp. Trim cable jacket to dimension A.



- 2) Comb braid wires out straight and fold back over front shoulder of braid clamp (braid wires should not overlap one another after folding). Trim braid wires flush with edge of braid clamp. Trim cable dielectric and center conductor to dimensions B and C.



- 3) Assemble rear insulator (if captive contact) and contact, and solder contact to center conductor. Rear of contact should be flush with cable dielectric end.

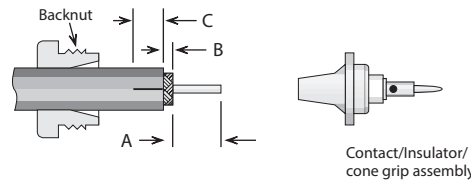


- 4) Insert prepared cable and hardware into body and tighten backnut. Trim armor to fit between armor clamp and braid clamp. Tighten armor clamp.

### Trim Codes

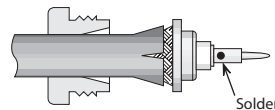
| Code | A            | B           | C            |
|------|--------------|-------------|--------------|
| D/01 | .375 (3/8)   | .047 (3/64) | .250 (1/4)   |
| D/02 | .500 (1/2)   | .188 (3/16) | .219 (7/32)  |
| D/03 | .344 (11/32) | .047 (3/64) | .219 (7/32)  |
| D/04 | .313 (5/16)  | .047 (3/64) | .172 (11/64) |
| D/05 | .625 (5/8)   | .281 (9/32) | .250 (1/4)   |
| D/06 | .313 (5/16)  | .062 (1/16) | .109 (7/64)  |

## Assembly Procedure E

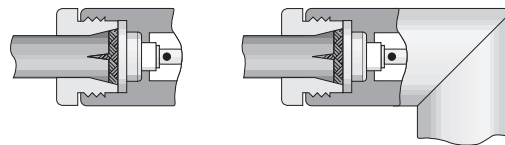


- 1) Slide backnut onto cable as shown. Trim cable to dimensions A and B as shown. Slit jacket to dimension C in two places, 180° apart.

| Trim Codes |             |             |             |
|------------|-------------|-------------|-------------|
| Code       | A           | B           | C           |
| E/01       | .250 (1/4)  | .141 (9/64) | .313 (5/16) |
| E/02       | .219 (7/32) | .063 (1/16) | .250 (1/4)  |
| E/03       | .250 (1/4)  | .031 (1/32) | .250 (1/4)  |



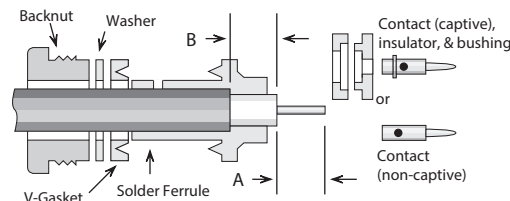
- 2) Slide cone/insulator/contact assembly under braid until braid is flush with shoulder. Solder contact to center conductor.



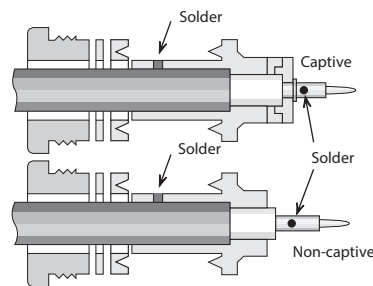
- 3) Insert prepared cable and hardware into body; tighten assembly by holding nut stationary and turning body.

## Assembly Procedure F

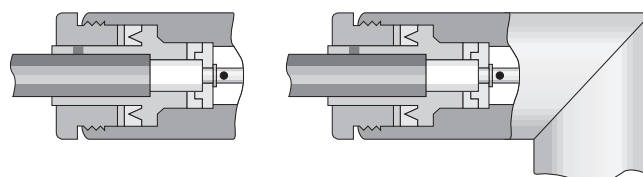
| Trim Codes |             |              |
|------------|-------------|--------------|
| Code       | A           | B            |
| F/01       | .250 (1/4)  | .219 (7/32)  |
| F/02       | .250 (1/4)  | .172 (11/64) |
| F/03       | .188 (3/16) | .188 (3/16)  |
| F/04       | .109 (7/64) | .265 (17/64) |
| F/05       | .156 (5/32) | .250 (1/4)   |
| F/06       | .219 (7/32) | .250 (1/4)   |
| F/07       | .156 (5/32) | .172 (11/64) |
| F/08       | .109 (7/64) | .219 (7/32)  |



- 1) Trim cable per chart. Slide backnut, washer, v-gasket, and solder ferrule onto cable. Trimmed end of cable jacket should bottom on step in solder ferrule.

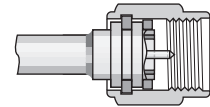
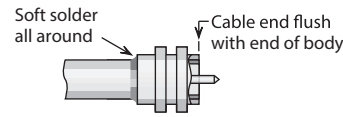
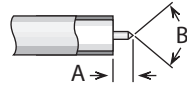


- 2) Solder ferrule to cable jacket as shown. Retrim cable dielectric to proper length if it has extruded from soldering heat. Slide bushing and rear insulator over cable dielectric if captive contact. Solder contact onto center conductor; back of contact flush with trimmed end of cable dielectric.



- 3) Insert prepared cable and hardware into body and tighten backnut.

## Assembly Procedure G



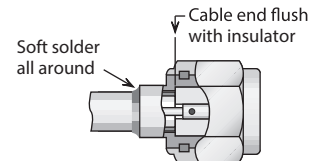
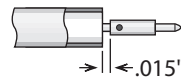
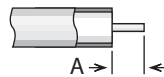
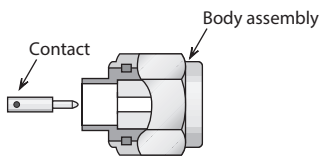
| Trim Codes |      |        |
|------------|------|--------|
| Code       | A    | B      |
| G/01       | .090 | 70-90° |

1) Trim cable as shown. Remove any burrs from jacket and center conductor.

2) Soft solder cable jacket to body, making sure that end of cable is flush with end of body. After solder joint has cooled, retrim any protruding dielectric flush with end of body.

3) Assemble 'C' ring and gasket to body. Compress 'C' ring and slide body assembly into coupling nut until ring is seated in groove.

## Assembly Procedure H



| Trim Codes |      |
|------------|------|
| Code       | A    |
| H/01       | .090 |
| H/02       | .060 |
| H/03       | .115 |
| H/04       | .150 |

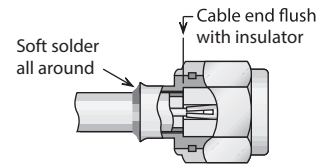
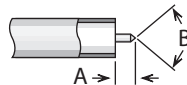
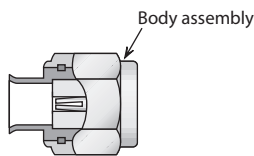
1) Trim cable as shown. Remove any burrs from jacket and center conductor.

2) Solder contact to center conductor, fixturing to maintain gap as shown. Remove any excess solder from outside of contact.

3) Insert cable into body and solder cable jacket to body, keeping end of cable flush with insulator as shown.

Plug body assembly and contact shown; procedure is identical for jack connectors.

## Assembly Procedure I



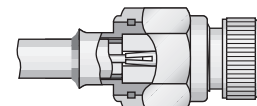
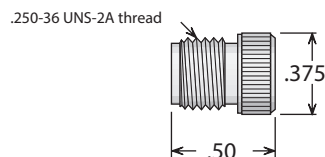
| Trim Codes |      |        |
|------------|------|--------|
| Code       | A    | B      |
| I/01       | .090 | 70-90° |

1) Trim cable as shown. Remove any burrs from jacket and center conductor.

2) Insert cable into body and solder cable jacket to body, keeping end of cable flush with insulator as shown.

Plug body assembly and contact shown; procedure is identical for jack connectors.

### Cable Positioner



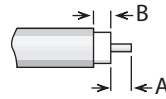
For .085" Cable:  
P/N 63-10072-2

For .141" Cable:  
P/N 63-10072-1

Using this positioner in the final step of assembly procedure H or I (for plugs only) will ensure that the contact and insulator are retained in the proper position to meet MIL-C-39012 requirements. The positioner should be screwed finger-tight into the mating end of the connector (as shown at right) before the cable jacket is soldered to the body assembly.

## Assembly Procedure J

| Trim Codes |      |      |
|------------|------|------|
| Code       | A    | B    |
| J/01       | .109 | .047 |
| J/02       | .059 | .039 |
| J/03       | .059 | .079 |
| J/04       | .050 | .059 |

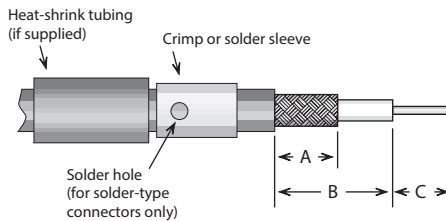


1) Trim cable as shown. Remove any burrs from jacket and center conductor.



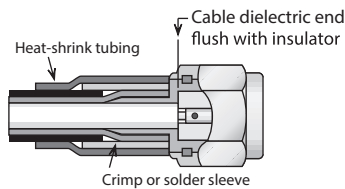
2) Soft solder cable jacket to body, making sure that end of cable is flush with step in body. Solder center conductor into contact slot, assemble insulator disc (if supplied), then press cap into body until seated or screw into place.

## Assembly Procedure K



1) Trim cable per chart. Slide crimp (or solder) sleeve and heat-shrink tubing (if supplied) back onto cable.

2) Solder contact onto center conductor, fixturing to maintain gap as shown. Flare cut end of braid slightly by rotating dielectric.



3) Insert cable/contact into rear of body, with all braid wires on outside of crimp tail. Push cable in until cable dielectric bottoms in connector. Trim excess braid wires even with shoulder of body. Slide crimp sleeve forward until flush with body and crimp (see page 211 for hex die sizes). (For solder-type connectors, solder braid to body and sleeve through hole in sleeve.) Slide heat-shrink tubing into place and shrink with hot-air gun.

Plug body assembly and contact shown; procedure is identical for jack connectors.

| Trim Codes |      |      |      |      |      |      |      |
|------------|------|------|------|------|------|------|------|
| Code       | A    | B    | C    | Code | A    | B    | C    |
| K/01       | .250 | .270 | .110 | K/07 | .220 | .290 | .135 |
| K/02       | .200 | .270 | .140 | K/08 | .420 | .620 | .090 |
| K/03       | .225 | .290 | .110 | K/09 | .090 | .135 | .160 |
| K/04       | .225 | .330 | .110 | K/10 | .250 | .415 | .115 |
| K/05       | .250 | .330 | .110 | K/11 | .250 | .400 | .150 |
| K/06       | .250 | .315 | .095 | K/12 | .282 | .390 | .140 |

## Assembly Procedure L

### Trim Codes

| Code | A    | B    | C    |
|------|------|------|------|
| L/01 | .250 | .438 | .109 |
| L/02 | .125 | .219 | .109 |
| L/03 | .234 | .344 | .109 |
| L/04 | .195 | .270 | .050 |
| L/05 | .095 | .155 | .050 |
| L/06 | .281 | .390 | .070 |

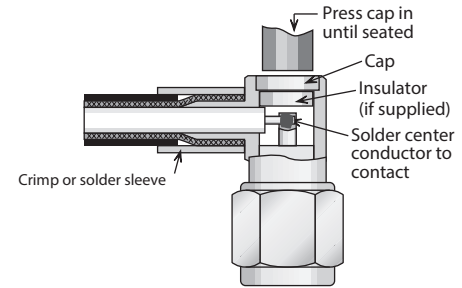
- 1) Trim cable per chart. Slide crimp (or solder) sleeve onto cable.



- 2) Insert cable into rear of body, with all braid wires on outside of crimp tail. Push cable in until end of braid touches connector body shoulder and center conductor rests in contact slot.

Slide crimp sleeve forward until flush with body and crimp (see page 211 for hex die sizes). (For solder-type connectors, solder braid to body and sleeve through hole in sleeve.)

Solder center conductor into contact slot, assemble insulator disc (if supplied), then press cap into body until seated or screw into place.



## Assembly Procedure M

### Cable Trim Codes

| Code | A    | B    | C    |
|------|------|------|------|
| M/01 | .281 | .390 | .140 |

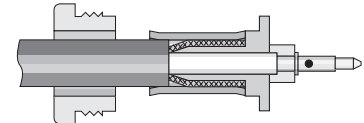
- 1) Trim cable per chart. Slide crimp (or solder) sleeve and backnut onto cable.



- 2) Flare cut end of braid slightly by rotating dielectric. Insert cable into rear of clamp, with all braid wires on outside of crimp tail. Slide insulator over cable dielectric until it is flush with front of clamp, and cable insulation bottoms inside insulator. Slide contact onto center conductor, with contact shoulder flush with front of insulator. Solder contact to center conductor.



- 3) Slide crimp sleeve forward until flush with clamp shoulder; crimp as close to shoulder as possible. (see page 211 for hex die sizes). (For solder-type connectors, solder braid to body and sleeve through hole in sleeve.)



- 4) Insert prepared cable into back of body. Slide nut forward and tighten to 12–15 inch-pounds.



## Crimp Tools For Flexible Cable



Frame only—P/N M22520/5-01 —Use with interchangeable dies listed below.

| Cable Group* | Hex Die Size        | Die Set P/N | Closure |
|--------------|---------------------|-------------|---------|
| 2, 3, 4      | .429 hex, .400 wide | M22520/5-61 | A       |
| 5, 6         | .213 hex, .400 wide | M22520/5-19 | B       |
| 7            | .255 hex, .400 wide | M22520/5-19 | A       |
| 9            | .128 hex, .400 wide | M22520/5-35 | B       |
| 10           | .151 hex, .400 wide | M22520/5-37 | B       |
| 11           | .105 hex, .400 wide | M22520/5-33 | B       |

\* For Delta cable groups. See MIL-PRF-39012 specifications for dies sizes used with M39012 cable groups.

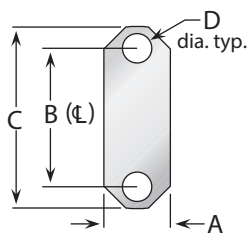


## Connector Flanges (Panel Mounted Connectors)



| 4-hole flanges |        |       |           |
|----------------|--------|-------|-----------|
| Figure         | A      | B     | C         |
| 04             | 1/2    | .360  | .089      |
| 05             | 1/2    | .340  | .102      |
| 07             | 11/16  | .500  | #3-56 tap |
| 08             | 11/16  | .500  | .136      |
| 09             | 11/16  | .500  | .125      |
| 10             | 11/16  | .500  | .120      |
| 12             | 11/16  | .500  | .109      |
| 18             | 3/4    | .531  | .136      |
| 26             | 1      | .718  | #6-32 tap |
| 27             | 1      | .718  | #4-40 tap |
| 30             | 1      | .718  | .166      |
| 32             | 1      | .718  | .136      |
| 32A            | 1      | .718  | .136*     |
| 33             | 1      | .718  | .125      |
| 34             | 1 3/32 | .812  | .150      |
| 36             | 1 3/16 | .906  | #6-32 tap |
| 39             | 1 3/16 | .906  | .152      |
| 40             | 1 3/16 | .906  | .125      |
| 45             | 2      | 1.437 | .257      |
| 91             | .375   | .250  | .067      |
| 91A            | .375   | .232  | .093      |

\* Countersunk to .245 dia.

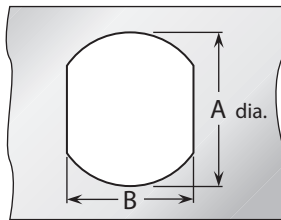


| 2-hole flanges |      |       |      |      |
|----------------|------|-------|------|------|
| Figure         | A    | B     | C    | D    |
| 92             | .223 | .481  | .625 | .102 |
| 92A            | .260 | .481  | .625 | .102 |
| 95             | .640 | 1.015 | 1.30 | .125 |

## Panel Cutouts (Bulkhead Mounted Connectors)



| D-Hole |      |      |
|--------|------|------|
| Figure | A    | B    |
| 51     | .755 | .723 |
| 54     | .630 | .598 |
| 55     | .630 | .583 |
| 57     | .557 | .531 |
| 59     | .505 | .473 |
| 62     | .442 | .410 |
| 63     | .407 | .362 |
| 65     | .380 | .348 |
| 66     | .319 | .292 |
| 67     | .255 | .236 |
| 68     | .195 | .176 |



| Double D-Hole |      |      |
|---------------|------|------|
| Figure        | A    | B    |
| 69            | .755 | .692 |
| 72            | .630 | .536 |
| 75            | .380 | .341 |
| 84            | .319 | .278 |



| Round Hole |      |
|------------|------|
| Figure     | A    |
| 82         | .255 |
| 89         | .380 |

## P.C. Board Drilling



(PCB traces are shown for illustrative purpose only, and are not representative of actual circuitry.)

| Coaxial connectors |      |      |      |      |
|--------------------|------|------|------|------|
| Figure             | A    | B    | C    | D    |
| PCB01              | .067 | .400 | .200 | .045 |
| PCB02              | .045 | .500 | .250 | .045 |
| PCB03              | .067 | .300 | .150 | .035 |
| PCB05              | .067 | .200 | .100 | .055 |
| PCB06              | .067 | .200 | .100 | .045 |
| PCB07              | .045 | .177 | .088 | .045 |
| PCB08              | .032 | .100 | .050 | .032 |



(PCB traces are shown for illustrative purpose only, and are not representative of actual circuitry.)

| Twinax Connectors |      |      |      |      |
|-------------------|------|------|------|------|
| Figure            | A    | B    | C    | D    |
| PCB04             | .045 | .500 | .250 | .045 |

## Delta Cable Groups

| Group | Cables   |
|-------|--|
| 1     | 1A RG-5, 5A, 5B, 21, 21A; M17/73, /162                       |
|       | 1B RG-6, 6A; M17/2   |
|       | 1C RG-143, 143A, 212, 222; M17/73, /112, /162                |
| 2     | 2A RG-8, 8A, 213; M17/74                                     |
|       | 2B RG-11, 11A; M17/6   |
| 3     | 3A RG-9, 9A, 9B, 214; M17/75                                 |
|       | 3B RG-13A, 216; M17/77                                       |
|       | 3C RG-225; M17/127   |
| 4     | RG-393; M17/127  |
| 5     | RG-58, 58A, 58C, 141, 141A; M17/28, /111                     |
| 6     | 6A RG-55A, 142, 142A, 223, 400; M17/60, /84, /128            |
|       | 6B RG-55, 55B, 142B; M17/60, /84                             |
| 7     | 7A RG-59, 59A, 59B, 62, 62A, 62B, 62C, 210; M17/29, /30, /97 |
|       | 7B RG-71, 71A, 71B; M17/90                                   |
| 8     | 8A RG-122; M17/54  |
|       | 8B RG-180, 180A, 180B, 195; M17/95, /137                     |
| 9     | 9A RG-174, 188, 188A, 316; M17/152                           |
|       | 9B RG-179A, 179B, 187, 187A; M17/94, /136                    |
| 10    | Double-Shielded RG-174, 316; M17/152                         |
| 11    | RG-178, 178A, 178B, 196, 196A; M17/93                        |
| 12    | .250" semi-rigid; RG-401; M17/129                            |
| 13    | .141" semi-rigid; RG-402; M17/130                            |
| 14    | .085" semi-rigid; RG-405; M17/133                            |
| 15    | RG-10, 12, 215; M17/6, /74                                   |
| 16    | RG-14A, 217; M17/78, /165                                    |
| 17    | RG-17A, 218  |
| 18    | RG-18A, 219  |
| 19    | RG-115A  |
| 20    | RG-118A, 228A  |
| 21    | RG-126   |
| 22    | RG-302   |
| 23    | RG-303   |
| 24    | RG-304   |
| 25    | Special 8X cable; contact factory for details.               |
| 26    | Belden 8281  |
| 27    | RG-108, 108A; M17/45   |
| 28    | RG-22, 22A, 22B; M17/15                                      |
| 29    | Belden 9207; Dearborn 6207; IBM 7362211                      |
| 30    | M17/176  |
| 31    | AT&T 735A  |

## Cable Group Finder

| Cable            | Group | Cable         | Group |
|------------------|-------|---------------|-------|
| RG-5, 5A, B      | 1A    | RG-225        | 3C    |
| RG-6, 6A         | 1B    | RG-228A       | 20    |
| RG-8, 8A         | 2A    | RG-302        | 22    |
| RG-9, 9A, B      | 3A    | RG-303        | 23    |
| RG-10            | 15    | RG-304        | 24    |
| RG-11, 11A       | 2B    | RG-316        | 9A    |
| RG-12            | 15    | RG-316DS      | 10    |
| RG-13A           | 3B    | RG-393        | 4     |
| RG-14A           | 16    | RG-400        | 6A    |
| RG-17A           | 17    | RG-401        | 12    |
| RG-18A           | 18    | RG-402        | 13    |
| RG-21, 21A       | 1A    | RG-405        | 14    |
| RG-22, 22A, B    | 28    | M17/2         | 1B    |
| RG-55, 55B       | 6B    | M17/6         | 2B    |
| RG-55A           | 6A    | M17/15        | 28    |
| RG-58, 58A, C    | 5     | M17/28        | 5     |
| RG-59, 59A, B    | 7A    | M17/29        | 7A    |
| RG-62, 62A, B, C | 7A    | M17/30        | 7A    |
| RG-71, 71A, B    | 7B    | M17/45        | 27    |
| RG-108, 108A     | 27    | M17/73        | 1A    |
| RG-115A          | 19    | M17/162       | 1A    |
| RG-118A          | 20    | M17/112       | 1C    |
| RG-122           | 8A    | M17/74        | 2A    |
| RG-126           | 21    | M17/75        | 3A    |
| RG-141, 141A     | 5     | M17/127       | 3C    |
| RG-142, 142A     | 6A    | M17/77        | 3B    |
| RG-142B          | 6B    | M17/60        | 6A    |
| RG-143, 143A     | 1C    | M18/84        | 6A    |
| RG-174           | 9A    | M17/128       | 6A    |
| RG-174DS         | 10    | M17/97        | 7A    |
| RG-178, 178A, B  | 11    | M17/54        | 8A    |
| RG-179A, 179B    | 9B    | M17/95        | 8B    |
| RG-180, 180A, B  | 8B    | M17/137       | 8B    |
| RG-187, 187A     | 9B    | M17/152       | 9A    |
| RG-188, 188A     | 9A    | M17/93        | 11    |
| RG-195           | 8B    | M17/129       | 12    |
| RG-196, 196A     | 11    | M17/130       | 13    |
| RG-210           | 7A    | M17/133       | 14    |
| RG-212           | 1C    | M17/78        | 16    |
| RG-213           | 2A    | M17/165       | 16    |
| RG-214           | 3A    | M17/176       | 30    |
| RG-215           | 15    | AT&T 735A     | 31    |
| RG-217           | 16    | Belden 8281   | 26    |
| RG-218           | 17    | Belden 9207   | 29    |
| RG-219           | 18    | Dearborn 6207 | 29    |
| RG-222           | 1C    | IBM 7362211   | 29    |
| RG-223           | 6A    |               |       |

Note: MIL-PRF-39012 QPL connectors have cable groups defined by the MIL specification, not the Delta cable groups shown here. See page 185 for M39012 cable groups.

## Warranty

We warrant our parts to be free of defects and workmanship for one year from purchase. During that time we will repair or replace (at our option) any parts found to be defective. The warranty does not apply to parts that have been modified, used in conditions exceeding Seller's, or military specifications, or disassembled. We will not, under any circumstances, be responsible for consequential or incidental damages or installation costs. No other warranties apply, and no other liability may be assumed or extended by representatives or distributors. The terms of the applicable warranty or warranties, as the case may be, as set forth herein are the sole and exclusive warranty terms that shall have any force or effect in the any product order, resulting from the quotation and such terms and in lieu of all other warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose, which are hereby expressly excluded.



## Returns

Returns will be accepted only with a Return Authorization number issued by Delta, and are subject to inspection and acceptance upon arrival. Restocking charges will be determined prior to issuance of Return Authorization. All claims for shortages must be made within 30 days of receipt by customer.

## Ordering Information

Orders are subject to the terms and conditions on our order acknowledgement, which may only be modified by written agreement prior to sale. Order changes, cancellation, or termination will be accepted only with written approval from Delta Electronics Manufacturing.

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