

## General Description

Delta SMA connectors are subminiature, precision, 50  $\Omega$  impedance connectors with 1/4"-36 threaded coupling. They are best suited for use with high-frequency semi-rigid cables in demanding applications up to 18 GHz, or miniature flexible cables up to 12.4 GHz. Our extensive line of SMA receptacles includes configurations for virtually any packaging requirement, and we can supply any adapter or accessory you may need to complete your system design. Adapters between SMA and other series are shown starting on page 176. Many of our SMA connectors are available as MIL-PRF-39012 QPL versions. These types are listed starting on page 195.

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

- One-Step cable connectors for quick, accurate assembly to semi-rigid cable.
- PressMount receptacles (page 115) 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 BNC, TNC or N connectors, letting you drill one hole pattern and mount BNC, N, SMA, TNC, or 7/16 series connectors as needed.
- Edge-mount P.C. board receptacles (page 114).
- Our new E-Line brass SMA connectors provide a lower-cost alternative for commercial applications (page 123).

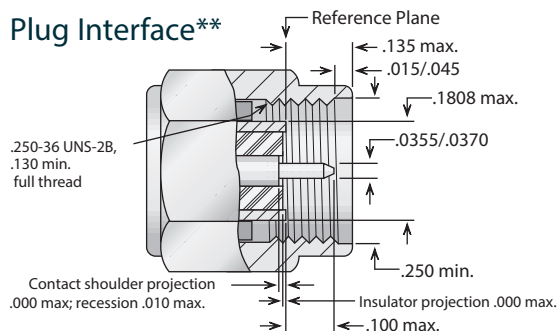
Our SMA series product line is still growing, so please call if you don't see what you need.

## SMA Configuration

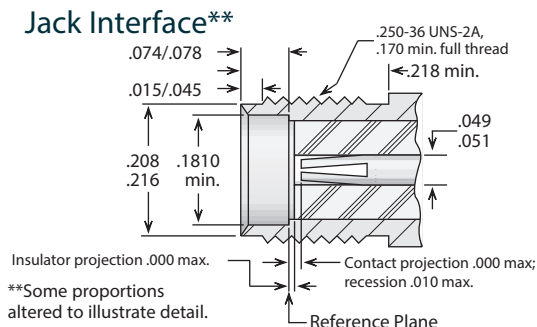
|                                                 |    |                                                   |    |
|-------------------------------------------------|----|---------------------------------------------------|----|
| Cable Plugs for Semi-Rigid Cable .....          | 2  | Right Angle Panel Jack Receptacles .....          | 11 |
| Cable Plugs for Flexible Cable .....            | 3  | Stripline Receptacles .....                       | 11 |
| Straight Cable Jacks for Semi-Rigid Cable ..... | 4  | Bulkhead Jack Receptacles .....                   | 12 |
| Bulkhead Cable Jacks for Semi-Rigid Cable ..... | 4  | P.C. Board Receptacles (Through-Hole Mount) ..... | 12 |
| Panel Cable Jacks for Semi-Rigid Cable .....    | 4  | P.C. Board Receptacles (Edge Mount) .....         | 13 |
| Straight Cable Jacks for Flexible Cable .....   | 5  | PressMount Receptacles .....                      | 14 |
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## SMA Specifications\*

### Plug Interface\*\*



### Jack Interface\*\*



\*\*Some proportions altered to illustrate detail.

### Electrical:

Nominal Impedance: 50 ohms.

Frequency Range: DC-18 GHz (with semi-rigid cable);  
DC-12.4 GHz (with flexible cable).

Voltage Rating: 335-500 volts RMS (dependent on cable).

Dielectric Withstanding

Voltage : 500-1500 volts RMS (dependent on cable).

Insulation Resistance: 5,000 megohms.

### Materials/Finishes:

Insulators: Teflon per ASTM D1710.

Male Contacts: Brass per ASTM B16, or

Beryllium Copper per ASTM B196.

Female Contacts: Beryllium Copper per ASTM B196.

Contact Plating : Gold per MIL-DTL-45204.

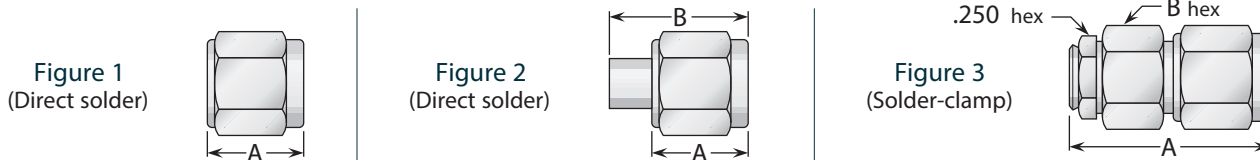
Gaskets: Silicone rubber per ZZ-R-765, Class II, Grade 50.

Other Metal Parts: Stainless steel per ASTM A582, plated gold per MIL-DTL-45204 or passivated to meet corrosion requirements of MIL-PRF-39012; or Brass per ASTM B16; plated gold per MIL-DTL-45204.

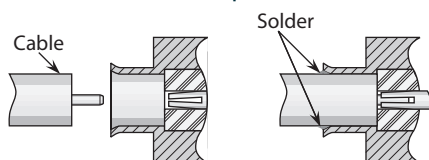
All other specifications are in accordance with the latest issues of MIL-PRF-39012, or MIL-A-55339, or other applicable MIL specifications, and interfaces are in accordance with MIL-STD-348.

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

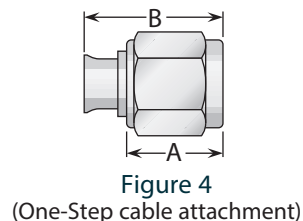
## Straight Plug - For Semi-Rigid Cable



### Delta One-Step Cable Attachment for Semi-Rigid Cable



Delta "One-Step" connectors feature captivated contacts and insulators to allow rapid, easy assembly to semi-rigid cable—simply trim the cable jacket and dielectric flush, chamfer the center conductor, insert into the connector, and solder the jacket to the connector body.

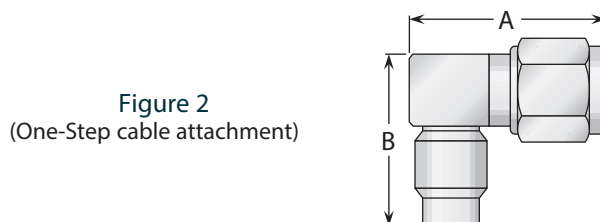
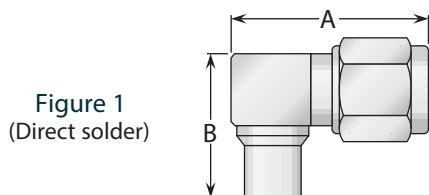


| Cable Group | Figure | Dimensions |      | Plating                 |                     | Delta P/N       | Assembly Procedure/<br>Trim Code |
|-------------|--------|------------|------|-------------------------|---------------------|-----------------|----------------------------------|
|             |        | A          | B    | Body                    | Contact             |                 |                                  |
| 13          | 1      | .330       | —    | Gold                    | None <sup>(2)</sup> | 1301031G003-000 | G/01                             |
| 13          | 1      | .330       | —    | Gold/PCN <sup>(1)</sup> | None <sup>(2)</sup> | 1301031K003-000 | G/01                             |
| 13          | 2      | .330       | .445 | Gold                    | None <sup>(2)</sup> | 1301031G003-002 | G/01                             |
| 13          | 2      | .330       | .445 | Gold/PCN <sup>(1)</sup> | None <sup>(2)</sup> | 1301031K003-002 | G/01                             |
| 13          | 2      | .330       | .445 | Gold                    | Gold                | 1301031G003-003 | H/01                             |
| 13          | 2      | .330       | .445 | Gold/PCN <sup>(1)</sup> | Gold                | 1301031K003-012 | H/01                             |
| 13          | 3      | .680       | .312 | Gold                    | Gold (C)            | 1301031G007-000 | ***                              |
| 13          | 4      | .330       | .430 | Gold/PCN <sup>(1)</sup> | Gold (C)            | 1301031K003-008 | I/01                             |
| 14          | 2      | .330       | .445 | Gold                    | Gold                | 1301094G003-000 | H/01                             |
| 14          | 2      | .330       | .445 | Gold/PCN <sup>(1)</sup> | Gold                | 1301094K003-000 | H/01                             |
| 14          | 3      | .680       | .312 | Gold                    | Gold (C)            | 1301025G007-000 | ***                              |
| 14          | 4      | .330       | .430 | Gold/PCN <sup>(1)</sup> | Gold (C)            | 1301094K003-001 | I/01                             |

<sup>(1)</sup> Gold-plated body and passivated coupling nut.

<sup>(2)</sup> Cable center conductor used as contact.

## Right Angle Plug - For Semi-Rigid Cable



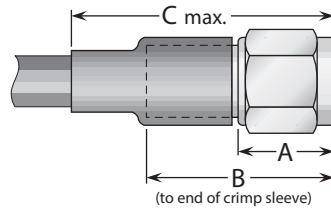
| Cable Group | Figure | Dimensions |      | Plating                 |          | Delta P/N       | Assembly Procedure/<br>Trim Code |
|-------------|--------|------------|------|-------------------------|----------|-----------------|----------------------------------|
|             |        | A          | B    | Body                    | Contact  |                 |                                  |
| 13          | 1      | .680       | .430 | Gold                    | Gold (C) | 1305031G003-000 | J/01                             |
| 13          | 1      | .680       | .430 | Gold/PCN <sup>(1)</sup> | Gold (C) | 1305031K003-000 | J/01                             |
| 13          | 2      | .570       | .580 | Gold                    | Gold (C) | 1305031G003-002 | I/01                             |
| 13          | 2      | .570       | .580 | Gold/PCN <sup>(1)</sup> | Gold (C) | 1305031K003-004 | I/01                             |
| 14          | 1      | .680       | .430 | Gold                    | Gold (C) | 1305025G003-000 | J/01                             |
| 14          | 1      | .680       | .430 | Gold/PCN <sup>(1)</sup> | Gold (C) | 1305025K003-000 | J/01                             |
| 14          | 2      | .570       | .580 | Gold                    | Gold (C) | 1305094G003-003 | I/01                             |
| 14          | 2      | .570       | .580 | Gold/PCN <sup>(1)</sup> | Gold (C) | 1305094K003-005 | I/01                             |

<sup>(1)</sup> Gold-plated body and passivated coupling nut.

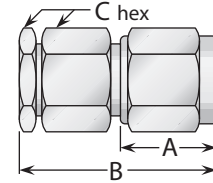
- See page 209 for cable groups.
- Assembly procedures start on page 210.
- \*\*\*Contact factory for cable assembly instructions.
- (C) in contact plating column indicates captive contact.

## Straight Plug - For Flexible Cable

**Figure 1**  
(Crimp type, shown with  
supplied heat-shrink tubing)



**Figure 2**  
(Clamp type)

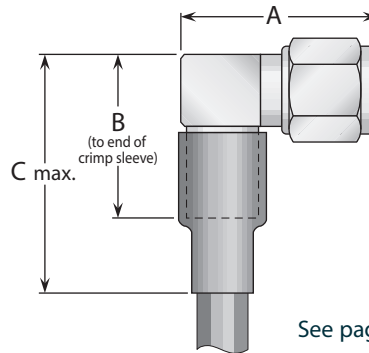


See page 194 for MIL-PRF-39012 QPL version.

| Cable Group | Figure | Dimensions |      |       | Plating    |          | Delta P/N       | Assembly Procedure/<br>Trim Code |
|-------------|--------|------------|------|-------|------------|----------|-----------------|----------------------------------|
|             |        | A          | B    | C     | Body       | Contact  |                 |                                  |
| 5           | 1      | .330       | .700 | 1.187 | Gold       | Gold     | 1303017G000-000 | K/02                             |
| 5           | 1      | .330       | .700 | 1.187 | Passivated | Gold     | 1303017K000-000 | K/02                             |
| 6           | 1      | .330       | .700 | 1.187 | Gold       | Gold     | 1303013G000-000 | K/02                             |
| 6           | 1      | .330       | .700 | 1.187 | Passivated | Gold     | 1303013K000-002 | K/02                             |
| 9           | 1      | .330       | .700 | 1.187 | Gold       | Gold     | 1303036G000-000 | K/02                             |
| 9           | 1      | .330       | .700 | 1.187 | Passivated | Gold     | 1303036K000-000 | K/02                             |
| 10          | 1      | .330       | .700 | 1.187 | Gold       | Gold     | 1303100G000-002 | K/02                             |
| 10          | 1      | .330       | .700 | 1.187 | Passivated | Gold     | 1303100K000-002 | K/02                             |
| 5, 6        | 2      | .330       | .750 | .312  | Gold       | Gold (C) | 1301015G005-000 | ***                              |
| 5, 6        | 2      | .330       | .750 | .312  | Passivated | Gold (C) | 1301015K005-000 | ***                              |
| 9           | 2      | .330       | .750 | .312  | Gold       | Gold (C) | 1301037G005-000 | ***                              |
| 9           | 2      | .330       | .750 | .312  | Passivated | Gold (C) | 1301037K005-000 | ***                              |

## Right Angle Plug - For Flexible Cable

**Figure 1**  
(Crimp type, shown with  
supplied heat-shrink tubing)



See page 195 for MIL-PRF-39012 QPL version.

| Cable Group | Figure | Dimensions |      |      | Plating    |          | Delta P/N       | Assembly Procedure/<br>Trim Code |
|-------------|--------|------------|------|------|------------|----------|-----------------|----------------------------------|
|             |        | A          | B    | C    | Body       | Contact  |                 |                                  |
| 5           | 1      | .680       | .600 | 1.06 | Gold       | Gold (C) | 1307017G001-000 | L/03                             |
| 5           | 1      | .680       | .600 | 1.06 | Passivated | Gold (C) | 1307017K001-000 | L/03                             |
| 6           | 1      | .680       | .600 | 1.06 | Gold       | Gold (C) | 1307013G001-000 | L/03                             |
| 6           | 1      | .680       | .600 | 1.06 | Passivated | Gold (C) | 1307013K001-000 | L/03                             |
| 9           | 1      | .680       | .600 | 1.06 | Gold       | Gold (C) | 1307036G001-000 | L/03                             |
| 9           | 1      | .680       | .600 | 1.06 | Passivated | Gold (C) | 1307036K001-000 | L/03                             |
| 10          | 1      | .680       | .600 | 1.06 | Gold       | Gold (C) | 1307100G001-000 | L/03                             |
| 10          | 1      | .680       | .600 | 1.06 | Passivated | Gold (C) | 1307100K001-000 | L/03                             |
| 11          | 1      | .680       | .600 | 1.06 | Gold       | Gold (C) | 1307038G001-000 | L/03                             |
| 11          | 1      | .680       | .600 | 1.06 | Passivated | Gold (C) | 1307038K001-000 | L/03                             |

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

## Straight Jack - For Semi-Rigid Cable

Figure 1  
(Direct solder)

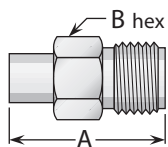


Figure 2  
(Solder-clamp)

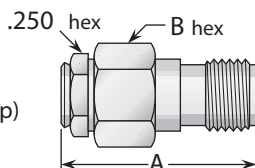
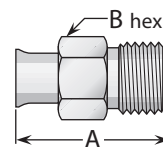


Figure 3  
(One-Step  
cable attachment)



| Cable Group | Figure | Dimensions |      | Plating |          | Delta P/N       | Assembly Procedure/<br>Trim Code |
|-------------|--------|------------|------|---------|----------|-----------------|----------------------------------|
|             |        | A          | B    | Body    | Contact  |                 |                                  |
| 13          | 1      | .500       | .250 | Gold    | Gold     | 1308031G003-002 | H/01                             |
| 13          | 2      | .680       | .312 | Gold    | Gold (C) | 1308031G007-000 | ***                              |
| 13          | 3      | .500       | .250 | Gold    | Gold (C) | 1308031G003-004 | I/01                             |
| 14          | 1      | .500       | .250 | Gold    | Gold     | 1308094G003-000 | H/01                             |
| 14          | 2      | .680       | .312 | Gold    | Gold (C) | 1308025G007-000 | ***                              |
| 14          | 3      | .500       | .250 | Gold    | Gold (C) | 1308094G003-001 | I/01                             |

## Panel Bulkhead Jacks - For Semi-Rigid Cable

Figure 1  
(Direct solder)

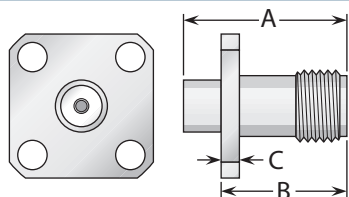
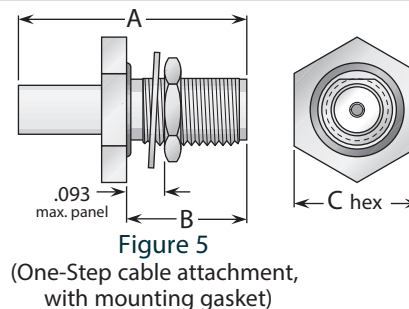
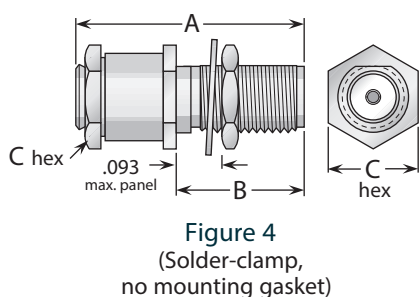
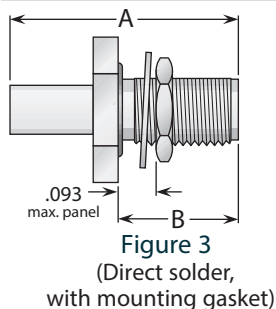
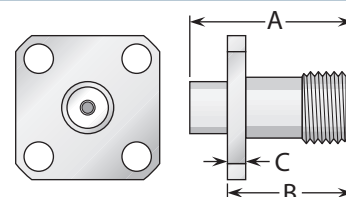
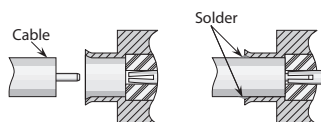


Figure 2  
(One-Step cable attachment)



### Delta One-Step Cable Attachment for Semi-Rigid Cable

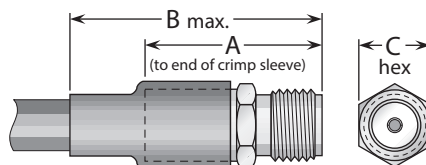


Delta "One-Step" connectors feature captivated contacts and insulators to allow rapid, easy assembly to semi-rigid cable—simply trim the cable jacket and dielectric flush, chamfer the center conductor, insert into the connector, and solder the jacket to the connector body.

| Cable Group | Fig. | Dimensions |      |      | Mounting Figure | Plating |          | Delta P/N       | Assembly Procedure/<br>Trim Code |
|-------------|------|------------|------|------|-----------------|---------|----------|-----------------|----------------------------------|
|             |      | A          | B    | C    |                 | Body    | Contact  |                 |                                  |
| 13          | 1    | .560       | .375 | .065 | 05              | Gold    | Gold     | 1311031G053-000 | H/01                             |
| 13          | 2    | .500       | .375 | .065 | 05              | Gold    | Gold (C) | 1311031G053-003 | I/01                             |
| 13          | 3    | .750       | .415 | .437 | 67              | Gold    | Gold     | 1317031G673-000 | H/02                             |
| 13          | 4    | .750       | .440 | .312 | 67              | Gold    | Gold (C) | 1317031G677-000 | ***                              |
| 13          | 5    | .700       | .415 | .437 | 67              | Gold    | Gold (C) | 1317031G673-003 | I/01                             |
| 14          | 1    | .500       | .375 | .065 | 05              | Gold    | Gold     | 1311025G053-000 | H/01                             |
| 14          | 2    | .500       | .375 | .065 | 05              | Gold    | Gold (C) | 1311025G053-001 | I/01                             |
| 14          | 3    | .750       | .415 | .437 | 67              | Gold    | Gold     | 1317025G673-000 | H/02                             |
| 14          | 4    | .750       | .440 | .312 | 67              | Gold    | Gold (C) | 1317025G677-000 | ***                              |
| 14          | 5    | .750       | .415 | .437 | 67              | Gold    | Gold (C) | 1317025G673-001 | I/01                             |

- See page 209 for cable groups.
- Assembly procedures start on page 210.
- \*\*\*Contact factory for cable assembly instructions.
- See page 208 for mounting dimensions.
- (C) in contact plating column indicates captive contact.

## Straight Jack - For Flexible Cable

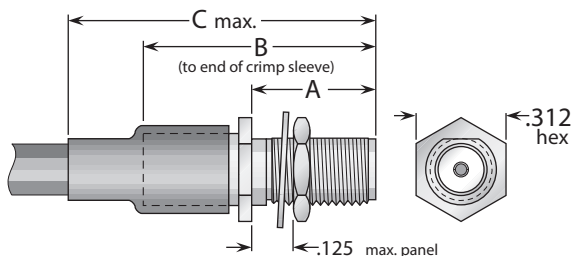


**Figure 1**  
(Crimp type, shown with supplied heat-shrink tubing)

See page 195 for MIL-PRF-39012 QPL version.

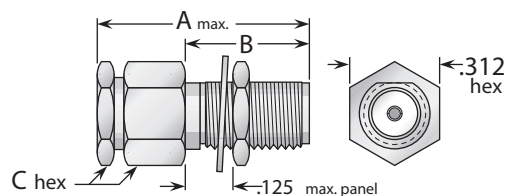
| Cable Group | Figure | Dimensions |       |      | Plating    |         | Delta P/N       | Assembly Procedure/<br>Trim Code |
|-------------|--------|------------|-------|------|------------|---------|-----------------|----------------------------------|
|             |        | A          | B     | C    | Body       | Contact |                 |                                  |
| 5           | 1      | .800       | 1.125 | .250 | Gold       | Gold    | 1308017G000-000 | K/03                             |
| 5           | 1      | .800       | 1.125 | .250 | Passivated | Gold    | 1308017K000-000 | K/03                             |
| 6           | 1      | .800       | 1.125 | .250 | Gold       | Gold    | 1308013G000-000 | K/03                             |
| 6           | 1      | .800       | 1.125 | .250 | Passivated | Gold    | 1308013K000-000 | K/03                             |
| 9           | 1      | .800       | 1.125 | .250 | Gold       | Gold    | 1308037G000-000 | K/03                             |
| 9           | 1      | .800       | 1.125 | .250 | Passivated | Gold    | 1308037K000-000 | K/03                             |

## Bulkhead Jack - For Flexible Cable



**Figure 1**  
(Crimp type, shown with supplied heat-shrink tubing)

See page 196 for MIL-PRF-39012 QPL version.

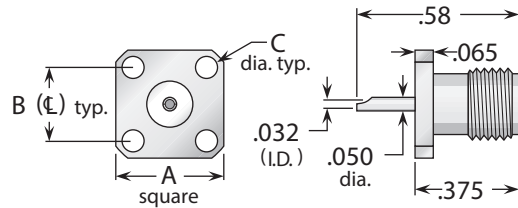


**Figure 2**  
(Clamp type)

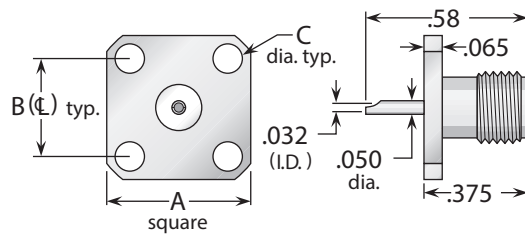
| Cable Group | Fig. | Dimensions |      |      | Mounting Figure | Plating    |          | Delta P/N       | Assembly Procedure/<br>Trim Code |
|-------------|------|------------|------|------|-----------------|------------|----------|-----------------|----------------------------------|
|             |      | A          | B    | C    |                 | Body       | Contact  |                 |                                  |
| 5           | 1    | .450       | .940 | 1.25 | 67              | Gold       | Gold     | 1319017G670-000 | K/04                             |
| 5           | 1    | .450       | .940 | 1.25 | 67              | Passivated | Gold     | 1319017K670-000 | K/04                             |
| 6           | 1    | .450       | .940 | 1.25 | 67              | Gold       | Gold     | 1319013G670-000 | K/04                             |
| 6           | 1    | .450       | .940 | 1.25 | 67              | Passivated | Gold     | 1319013K670-000 | K/04                             |
| 9           | 1    | .450       | .940 | 1.25 | 67              | Gold       | Gold     | 1319037G670-000 | K/04                             |
| 9           | 1    | .450       | .940 | 1.25 | 67              | Passivated | Gold     | 1319037K670-000 | K/04                             |
| 10          | 1    | .450       | .940 | 1.25 | 67              | Gold       | Gold     | 1319100G670-000 | K/04                             |
| 10          | 1    | .450       | .940 | 1.25 | 67              | Passivated | Gold     | 1319100K670-000 | K/04                             |
| 5, 6        | 2    | .850       | .450 | .312 | 67              | Gold       | Gold (C) | 1316015G675-000 | ***                              |
| 5, 6        | 2    | .850       | .450 | .312 | 67              | Passivated | Gold (C) | 1316015K675-000 | ***                              |
| 9           | 2    | .850       | .450 | .312 | 67              | Gold       | Gold (C) | 1316037G675-000 | ***                              |
| 9           | 2    | .850       | .450 | .312 | 67              | Passivated | Gold (C) | 1316037K675-000 | ***                              |

- See page 209 for cable groups.
- Assembly procedures start on page 210.
- \*\*\*Contact factory for cable assembly instructions.
- See page 208 for mounting dimensions.
- (C) in contact plating column indicates captive contact.

## Panel Jack Receptacle - Solder Pot Contact

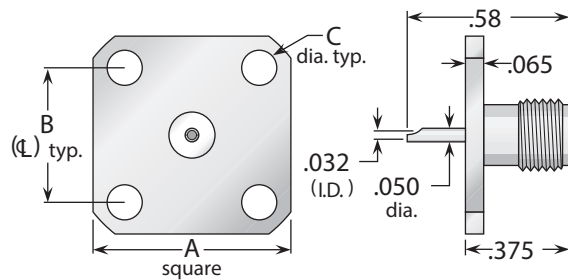


**Figure 1**  
( $\frac{3}{8}$ " square flange)

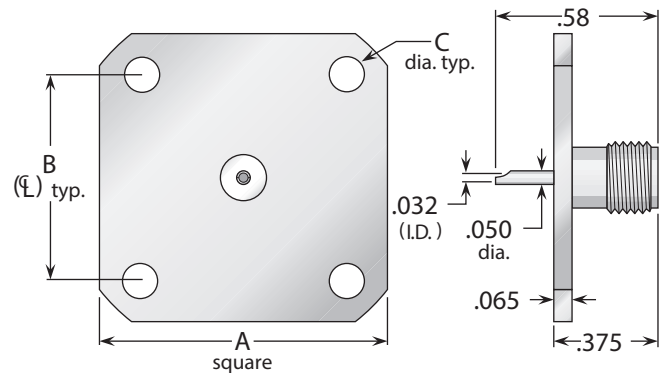


**Figure 2**  
( $\frac{1}{2}$ " square flange, SMA standard flange size)

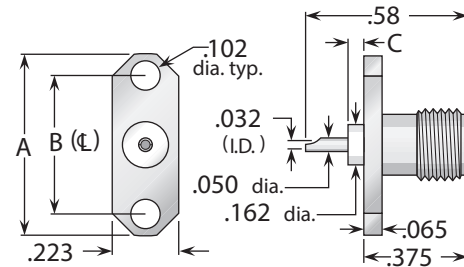
See page 197 for MIL-PRF-39012 QPL version.



**Figure 3**  
( $\frac{11}{16}$ " square flange, interchangeable with BNC and TNC standard flange size)



**Figure 4**  
(1" square flange, interchangeable with type N standard flange size)



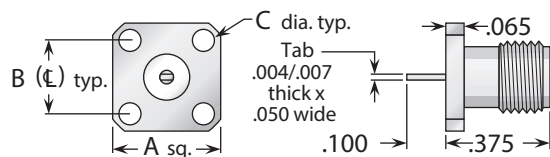
**Figure 5**  
(2-hole flange)

See page 197 for MIL-PRF-39012 QPL version.

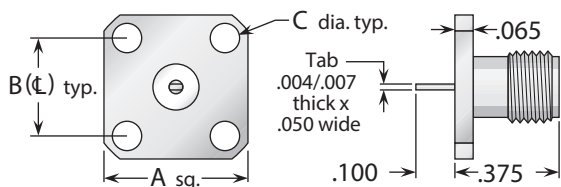
| Figure | Dimensions |      |      | Mounting Figure | Plating    |          | Delta P/N       |
|--------|------------|------|------|-----------------|------------|----------|-----------------|
|        | A          | B    | C    |                 | Body       | Contact  |                 |
| 1      | .375       | .250 | .067 | 91              | Gold       | Gold (C) | 1313000G911-000 |
| 1      | .375       | .250 | .067 | 91              | Passivated | Gold (C) | 1313000K911-000 |
| 2      | .500       | .340 | .102 | 05              | Gold       | Gold (C) | 1313000G051-000 |
| 2      | .500       | .340 | .102 | 05              | Passivated | Gold (C) | 1313000K051-002 |
| 3      | .687       | .500 | .125 | 09              | Gold       | Gold (C) | 1313000G091-000 |
| 3      | .687       | .500 | .125 | 09              | Passivated | Gold (C) | 1313000K091-000 |
| 4      | 1.00       | .718 | .125 | 33              | Gold       | Gold (C) | 1313000G331-000 |
| 4      | 1.00       | .718 | .125 | 33              | Passivated | Gold (C) | 1313000K331-000 |
| 5      | .625       | .481 | .025 | 92              | Gold       | Gold (C) | 1313000G921-000 |
| 5      | .625       | .481 | .025 | 92              | Passivated | Gold (C) | 1313000K921-000 |
| 5      | .625       | .481 | .000 | 92              | Gold       | Gold (C) | 1313000G921-002 |
| 5      | .625       | .481 | .000 | 92              | Passivated | Gold (C) | 1313000K921-002 |

- See page 208 for mounting dimensions.
- (C) in contact plating column indicates captive contact (epoxy captivated).
- All items available with other flange, contact, and insulator configurations.

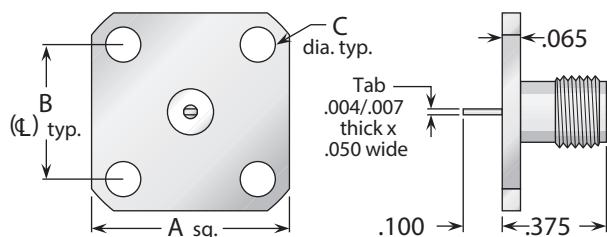
## Panel Jack Receptacle - Tab Contact



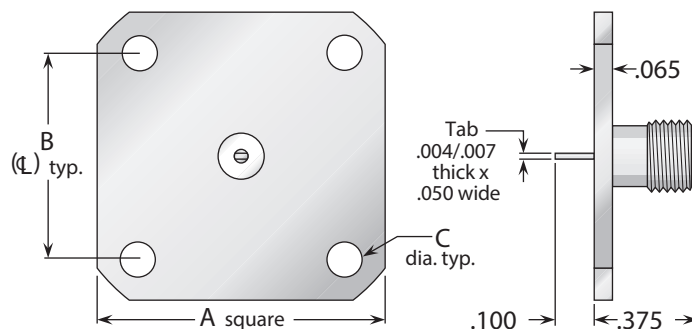
**Figure 1**  
(3/8" square flange)



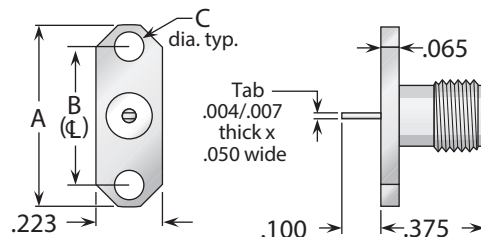
**Figure 2**  
(1/2" square flange, SMA standard flange size)



**Figure 3**  
(11/16" square flange, interchangeable with  
BNC and TNC standard flange size)



**Figure 4**  
(1" square flange, interchangeable  
with type N standard flange size)

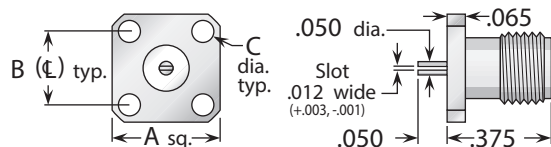


**Figure 5**  
(2-hole flange)

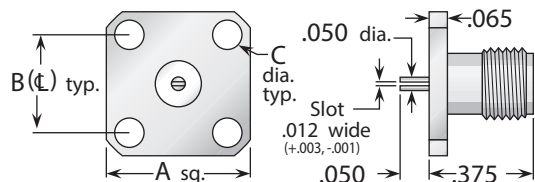
| Figure | Dimensions |      |      | Mounting<br>Figure | Plating    |          | Delta P/N       |
|--------|------------|------|------|--------------------|------------|----------|-----------------|
|        | A          | B    | C    |                    | Body       | Contact  |                 |
| 1      | .375       | .250 | .067 | 91                 | Gold       | Gold     | 1358000G910-002 |
| 1      | .375       | .250 | .067 | 91                 | Passivated | Gold     | 1358000K910-002 |
| 1      | .375       | .250 | .067 | 91                 | Gold       | Gold (C) | 1358000G911-059 |
| 1      | .375       | .250 | .067 | 91                 | Passivated | Gold (C) | 1358000K911-059 |
| 2      | .500       | .340 | .102 | 05                 | Gold       | Gold     | 1358000G050-005 |
| 2      | .500       | .340 | .102 | 05                 | Passivated | Gold     | 1358000K050-005 |
| 2      | .500       | .340 | .102 | 05                 | Gold       | Gold (C) | 1358000G051-003 |
| 2      | .500       | .340 | .102 | 05                 | Passivated | Gold (C) | 1358000K051-003 |
| 3      | .687       | .500 | .125 | 09                 | Gold       | Gold     | 1358000G090-001 |
| 3      | .687       | .500 | .125 | 09                 | Passivated | Gold     | 1358000K090-001 |
| 3      | .687       | .500 | .125 | 09                 | Gold       | Gold (C) | 1358000G091-008 |
| 3      | .687       | .500 | .125 | 09                 | Passivated | Gold (C) | 1358000K091-008 |
| 4      | 1.00       | .718 | .125 | 33                 | Gold       | Gold     | 1358000G330-001 |
| 4      | 1.00       | .718 | .125 | 33                 | Passivated | Gold     | 1358000K330-001 |
| 4      | 1.00       | .718 | .125 | 33                 | Gold       | Gold (C) | 1358000G331-002 |
| 4      | 1.00       | .718 | .125 | 33                 | Passivated | Gold (C) | 1358000K331-002 |
| 5      | .625       | .481 | .102 | 92                 | Gold       | Gold     | 1358000G920-003 |
| 5      | .625       | .481 | .102 | 92                 | Passivated | Gold     | 1358000K920-003 |
| 5      | .625       | .481 | .102 | 92                 | Gold       | Gold (C) | 1358000G921-063 |
| 5      | .625       | .481 | .102 | 92                 | Passivated | Gold (C) | 1358000K921-063 |

- See page 208 for mounting dimensions.
- (C) in contact plating column indicates captive contact (epoxy captivated).
- All items available with other flange, contact, and insulator configurations.

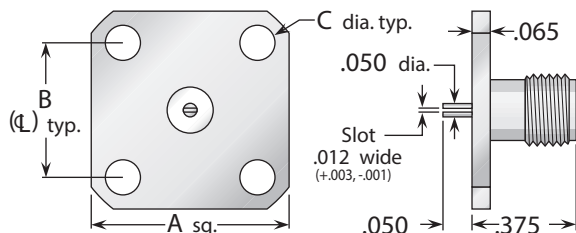
## Panel Jack Receptacle - Slotted Contact



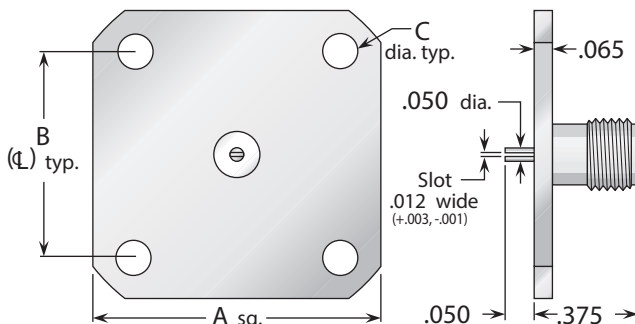
**Figure 1**  
(3/8" square flange)



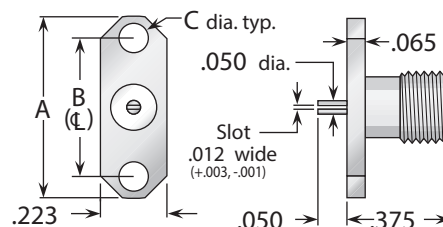
**Figure 2**  
(1/2" square flange, SMA standard flange size)



**Figure 3**  
(11/16" square flange, interchangeable with BNC and TNC standard flange size)



**Figure 4**  
(1" square flange, interchangeable with type N standard flange size)



**Figure 5**  
(2-hole flange)

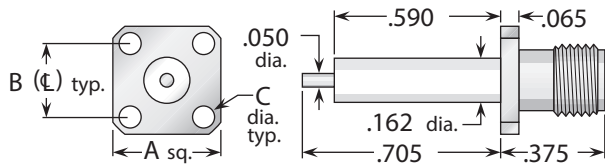
### Other Standard Slot Widths

Our other standard slot widths for these connectors (.018" and .036") are readily available—call for part numbers.

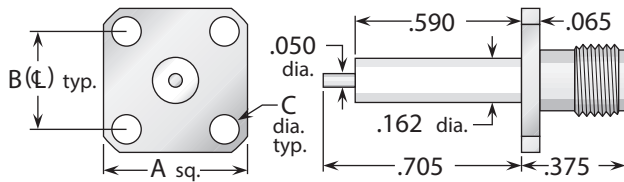
| Figure | Dimensions |      |      | Mounting Figure | Plating    |          | Delta P/N       |
|--------|------------|------|------|-----------------|------------|----------|-----------------|
|        | A          | B    | C    |                 | Body       | Contact  |                 |
| 1      | .375       | .250 | .067 | 91              | Gold       | Gold     | 1343000G910-003 |
| 1      | .375       | .250 | .067 | 91              | Passivated | Gold     | 1343000K910-003 |
| 1      | .375       | .250 | .067 | 91              | Gold       | Gold (C) | 1343000G911-006 |
| 1      | .375       | .250 | .067 | 91              | Passivated | Gold (C) | 1343000K911-006 |
| 2      | .500       | .340 | .102 | 05              | Gold       | Gold     | 1343000G050-006 |
| 2      | .500       | .340 | .102 | 05              | Passivated | Gold     | 1343000K050-006 |
| 2      | .500       | .340 | .102 | 05              | Gold       | Gold (C) | 1343000G051-021 |
| 2      | .500       | .340 | .102 | 05              | Passivated | Gold (C) | 1343000K051-021 |
| 3      | .687       | .500 | .125 | 09              | Gold       | Gold     | 1343000G090-001 |
| 3      | .687       | .500 | .125 | 09              | Passivated | Gold     | 1343000K090-001 |
| 3      | .687       | .500 | .125 | 09              | Gold       | Gold (C) | 1343000G091-006 |
| 3      | .687       | .500 | .125 | 09              | Passivated | Gold (C) | 1343000K091-006 |
| 4      | 1.00       | .718 | .125 | 33              | Gold       | Gold     | 1343000G330-006 |
| 4      | 1.00       | .718 | .125 | 33              | Passivated | Gold     | 1343000K330-006 |
| 4      | 1.00       | .718 | .125 | 33              | Gold       | Gold (C) | 1343000G331-011 |
| 4      | 1.00       | .718 | .125 | 33              | Passivated | Gold (C) | 1343000K331-011 |
| 5      | .625       | .481 | .102 | 92              | Gold       | Gold     | 1343000G920-004 |
| 5      | .625       | .481 | .102 | 92              | Passivated | Gold     | 1343000K920-004 |
| 5      | .625       | .481 | .102 | 92              | Gold       | Gold (C) | 1343000G921-006 |
| 5      | .625       | .481 | .102 | 92              | Passivated | Gold (C) | 1343000K921-006 |

- See page 208 for mounting dimensions.
- (C) in contact plating column indicates captive contact (epoxy captivated).
- All items available with other flange, contact, and insulator configurations.

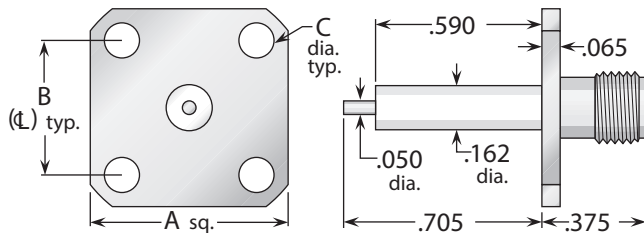
## Panel Jack Receptacle - Post Contact



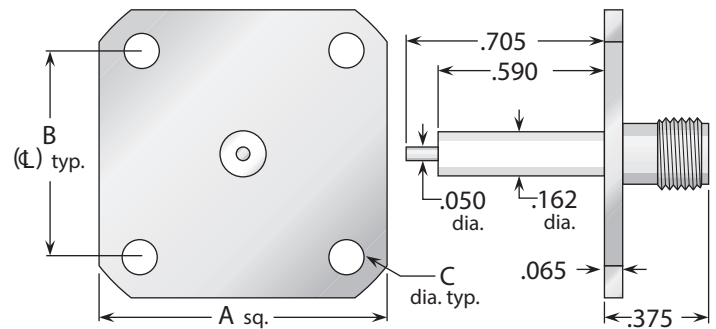
**Figure 1**  
(3/8" square flange)



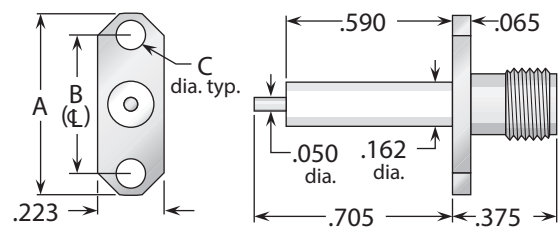
**Figure 2**  
(1/2" square flange, SMA standard flange size)



**Figure 3**  
(11/16" square flange, interchangeable with BNC and TNC standard flange size)



**Figure 4**  
(1" square flange, interchangeable with type N standard flange size)

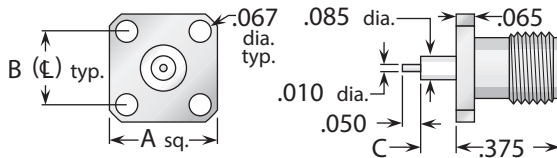


**Figure 5**  
(2-hole flange)

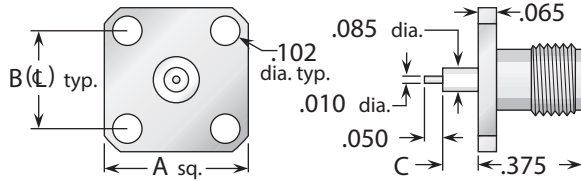
| Figure | Dimensions |      |      | Mounting Figure | Plating    |          | Delta P/N       |
|--------|------------|------|------|-----------------|------------|----------|-----------------|
|        | A          | B    | C    |                 | Body       | Contact  |                 |
| 1      | .375       | .250 | .067 | 91              | Gold       | Gold     | 1358000G910-003 |
| 1      | .375       | .250 | .067 | 91              | Passivated | Gold     | 1358000K910-003 |
| 1      | .375       | .250 | .067 | 91              | Gold       | Gold (C) | 1358000G911-061 |
| 1      | .375       | .250 | .067 | 91              | Passivated | Gold (C) | 1358000K911-061 |
| 2      | .500       | .340 | .102 | 05              | Gold       | Gold     | 1358000G050-000 |
| 2      | .500       | .340 | .102 | 05              | Passivated | Gold     | 1358000K050-004 |
| 2      | .500       | .340 | .102 | 05              | Gold       | Gold (C) | 1358000G051-000 |
| 2      | .500       | .340 | .102 | 05              | Passivated | Gold (C) | 1358000K051-000 |
| 3      | .687       | .500 | .125 | 09              | Gold       | Gold     | 1358000G090-000 |
| 3      | .687       | .500 | .125 | 09              | Passivated | Gold     | 1358000K090-000 |
| 3      | .687       | .500 | .125 | 09              | Gold       | Gold (C) | 1358000G091-014 |
| 3      | .687       | .500 | .125 | 09              | Passivated | Gold (C) | 1358000K091-014 |
| 4      | 1.00       | .718 | .125 | 33              | Gold       | Gold     | 1358000G330-000 |
| 4      | 1.00       | .718 | .125 | 33              | Passivated | Gold     | 1358000K330-000 |
| 4      | 1.00       | .718 | .125 | 33              | Gold       | Gold (C) | 1358000G331-003 |
| 4      | 1.00       | .718 | .125 | 33              | Passivated | Gold (C) | 1358000K331-003 |
| 5      | .625       | .481 | .102 | 92              | Gold       | Gold     | 1358000G920-000 |
| 5      | .625       | .481 | .102 | 92              | Passivated | Gold     | 1358000K920-000 |
| 5      | .625       | .481 | .102 | 92              | Gold       | Gold (C) | 1358000G921-010 |
| 5      | .625       | .481 | .102 | 92              | Passivated | Gold (C) | 1358000K921-010 |

- See page 208 for mounting dimensions.
- (C) in contact plating column indicates captive contact (epoxy captivated).
- All items available with other flange, contact, and insulator configurations.

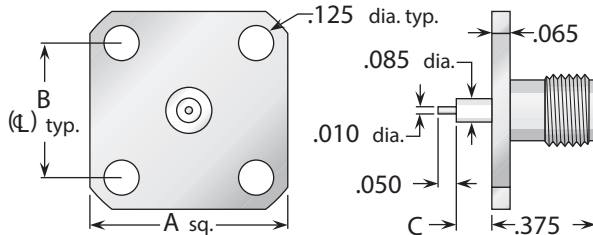
## Panel Jack Receptacle - Post Contact (For Microstrip)



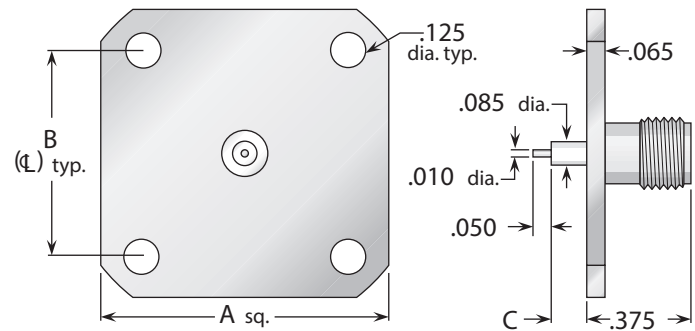
**Figure 1**  
(3/8" square flange)



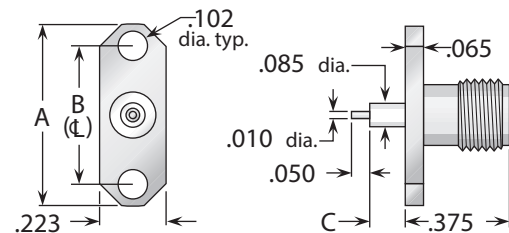
**Figure 2**  
(1/2" square flange, SMA standard flange size)



**Figure 3**  
(11/16" square flange, interchangeable with BNC and TNC standard flange size)



**Figure 4**  
(1" square flange, interchangeable with type N standard flange size)



**Figure 5**  
(2-hole flange)

| Figure | Dimensions |      |      | Mounting Figure | Plating    |          | Delta P/N       |
|--------|------------|------|------|-----------------|------------|----------|-----------------|
|        | A          | B    | C    |                 | Body       | Contact  |                 |
| 1      | .375       | .250 | .057 | 91              | Gold       | Gold (C) | 1358000G911-014 |
| 1      | .375       | .250 | .057 | 91              | Passivated | Gold (C) | 1358000K911-014 |
| 1      | .375       | .250 | .125 | 91              | Gold       | Gold (C) | 1358000G911-085 |
| 1      | .375       | .250 | .125 | 91              | Passivated | Gold (C) | 1358000K911-085 |
| 2      | .500       | .340 | .057 | 05              | Gold       | Gold (C) | 1358000G051-019 |
| 2      | .500       | .340 | .057 | 05              | Passivated | Gold (C) | 1358000K051-019 |
| 2      | .500       | .340 | .125 | 05              | Gold       | Gold (C) | 1358000G051-128 |
| 2      | .500       | .340 | .125 | 05              | Passivated | Gold (C) | 1358000K051-128 |
| 3      | .687       | .500 | .057 | 09              | Gold       | Gold (C) | 1358000G091-015 |
| 3      | .687       | .500 | .057 | 09              | Passivated | Gold (C) | 1358000K091-015 |
| 3      | .687       | .500 | .125 | 09              | Gold       | Gold (C) | 1358000G091-016 |
| 3      | .687       | .500 | .125 | 09              | Passivated | Gold (C) | 1358000K091-016 |
| 4      | 1.00       | .718 | .057 | 33              | Gold       | Gold (C) | 1358000G331-004 |
| 4      | 1.00       | .718 | .057 | 33              | Passivated | Gold (C) | 1358000K331-004 |
| 4      | 1.00       | .718 | .125 | 33              | Gold       | Gold (C) | 1358000G331-005 |
| 4      | 1.00       | .718 | .125 | 33              | Passivated | Gold (C) | 1358000K331-005 |
| 5      | .625       | .481 | .057 | 92              | Gold       | Gold (C) | 1358000G051-035 |
| 5      | .625       | .481 | .057 | 92              | Passivated | Gold (C) | 1358000K051-035 |
| 5      | .625       | .481 | .125 | 92              | Gold       | Gold (C) | 1358000G051-034 |
| 5      | .625       | .481 | .125 | 92              | Passivated | Gold (C) | 1358000K051-034 |

- See page 208 for mounting dimensions.
- (C) in contact plating column indicates captive contact (epoxy captivated).
- All items available with other flange, contact, and insulator configurations.

## Right Angle Panel Jack Receptacle

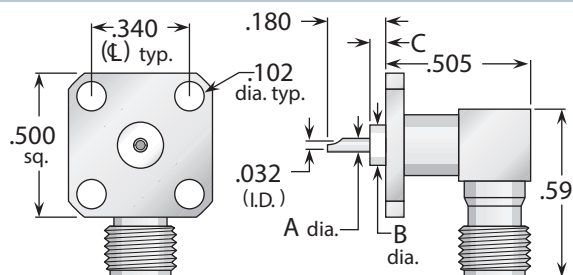


Figure 1 (Solder pot contact)

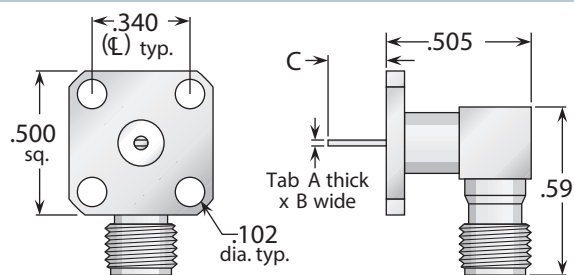


Figure 2 (Tab contact)

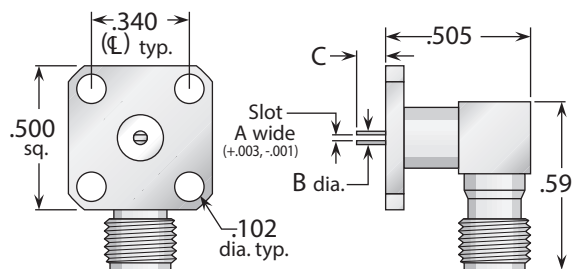


Figure 3 (Slotted contact)

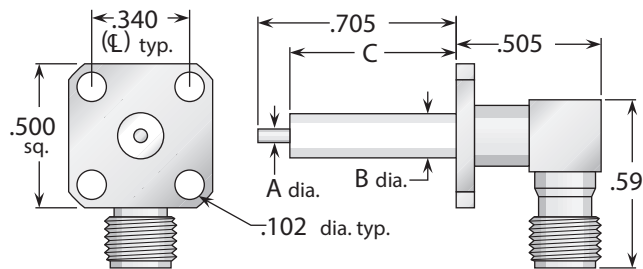
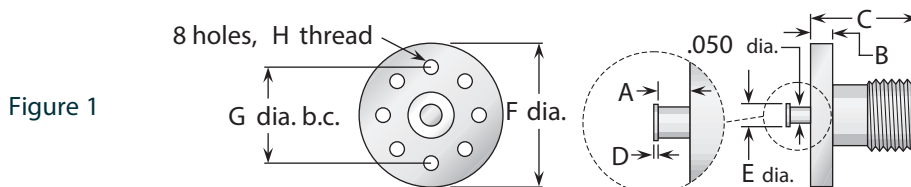


Figure 4 (Post contact)

| Figure | Dimensions |      |      | Mounting Figure | Plating    |          | Delta P/N       |
|--------|------------|------|------|-----------------|------------|----------|-----------------|
|        | A          | B    | C    |                 | Body       | Contact  |                 |
| 1      | .050       | .162 | .062 | 05              | Gold       | Gold (C) | 1315000G050-000 |
| 1      | .050       | .162 | .062 | 05              | Passivated | Gold (C) | 1315000K050-000 |
| 2      | .004/.007  | .050 | .100 | 05              | Gold       | Gold (C) | 1364000G051-015 |
| 2      | .004/.007  | .050 | .100 | 05              | Passivated | Gold (C) | 1364000K051-015 |
| 3      | .012       | .050 | .102 | 05              | Gold       | Gold (C) | 1366000G051-017 |
| 3      | .012       | .050 | .050 | 05              | Passivated | Gold (C) | 1366000K051-017 |
| 3      | .018       | .050 | .050 | 05              | Gold       | Gold (C) | 1366000G051-018 |
| 3      | .018       | .050 | .050 | 05              | Passivated | Gold (C) | 1366000K051-018 |
| 3      | .036       | .050 | .050 | 05              | Gold       | Gold (C) | 1366000G051-019 |
| 3      | .036       | .050 | .050 | 05              | Passivated | Gold (C) | 1366000K051-019 |
| 4      | .050       | .162 | .590 | 05              | Gold       | Gold (C) | 1364000G051-016 |
| 4      | .050       | .162 | .590 | 05              | Passivated | Gold (C) | 1364000K051-016 |

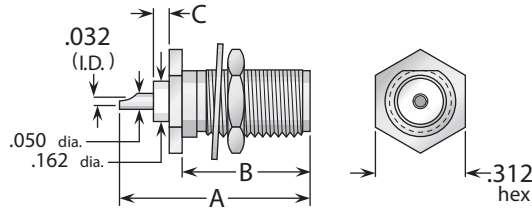
## Stripline Receptacle



| Figure | Dimensions |      |      |      |      |      |      |       | Plating    |         | Delta P/N       |
|--------|------------|------|------|------|------|------|------|-------|------------|---------|-----------------|
|        | A          | B    | C    | D    | E    | F    | G    | H     | Body       | Contact |                 |
| 1      | .031       | .085 | .375 | .010 | .072 | .562 | .438 | #2-56 | Gold       | Gold    | 1357000G000-012 |
| 1      | .031       | .085 | .375 | .010 | .072 | .562 | .438 | #2-56 | Passivated | Gold    | 1357000K000-012 |
| 1      | .063       | .085 | .375 | .010 | .072 | .562 | .438 | #2-56 | Gold       | Gold    | 1357000G000-002 |
| 1      | .063       | .085 | .375 | .010 | .072 | .562 | .438 | #2-56 | Passivated | Gold    | 1357000K000-002 |
| 1      | .125       | .085 | .375 | .010 | .072 | .562 | .438 | #2-56 | Gold       | Gold    | 1357000G000-006 |
| 1      | .125       | .085 | .375 | .010 | .072 | .562 | .438 | #2-56 | Passivated | Gold    | 1357000K000-006 |

- See page 208 for mounting dimensions.
- (C) in contact plating column indicates captive contact.
- All items available with other flange, contact, and insulator configurations.

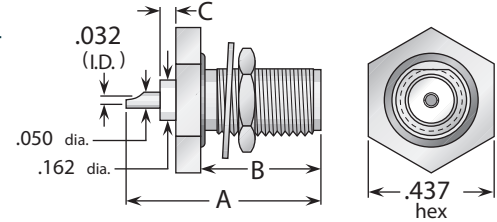
## Bulkhead Jack Receptacles



**Figure 1**

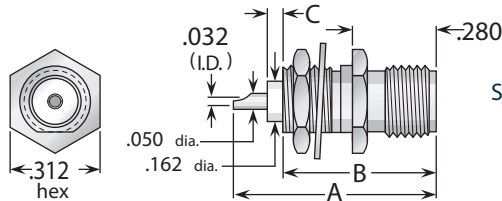
(Rear mount, solder pot contact, no mounting gasket)

See page 197 for MIL-PRF-39012 QPL version.



**Figure 2**

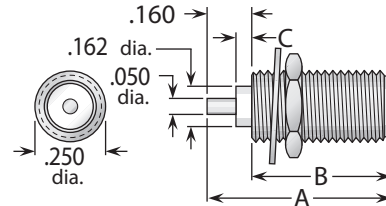
(Rear mount, solder pot contact, with mounting gasket)



**Figure 3**

(Front mount, solder pot contact, no mounting gasket)

See page 197 for MIL-PRF-39012 QPL version.

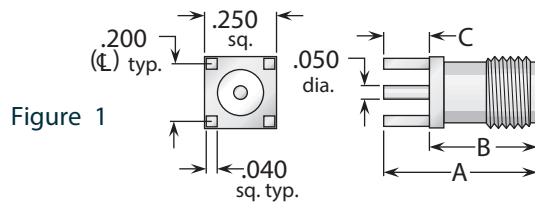


**Figure 4**

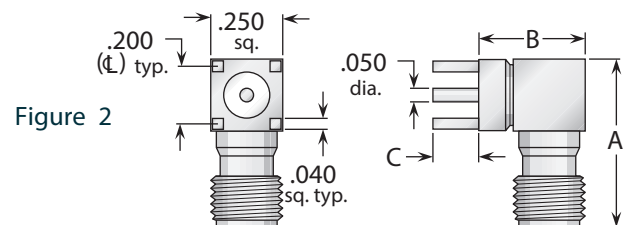
(Round body, post contact)

| Figure | Dimensions |      |      | Max. Panel | Mounting Figure | Plating    |          | Delta P/N       |
|--------|------------|------|------|------------|-----------------|------------|----------|-----------------|
|        | A          | B    | C    |            |                 | Body       | Contact  |                 |
| 1      | .670       | .450 | .000 | .125       | 67              | Gold       | Gold (C) | 1320000G671-000 |
| 1      | .670       | .450 | .000 | .125       | 67              | Passivated | Gold (C) | 1320000K671-000 |
| 1      | .670       | .450 | .062 | .125       | 67              | Gold       | Gold (C) | 1320000G821-002 |
| 1      | .670       | .450 | .062 | .125       | 67              | Passivated | Gold (C) | 1320000K821-000 |
| 2      | .670       | .415 | .062 | .093       | 67              | Gold       | Gold (C) | 1320000G821-000 |
| 2      | .670       | .415 | .062 | .093       | 67              | Passivated | Gold (C) | 1320000K821-011 |
| 3      | .670       | .500 | .062 | .125       | 67              | Gold       | Gold (C) | 1320000G671-005 |
| 3      | .670       | .500 | .062 | .125       | 67              | Passivated | Gold (C) | 1320000K671-005 |
| 4      | .660       | .500 | .076 | .125       | 82              | Gold       | Gold     | 1321000G820-003 |
| 4      | .660       | .500 | .076 | .125       | 82              | Passivated | Gold     | 1321000K820-003 |
| 4      | .660       | .500 | .076 | .125       | 82              | Gold       | Gold (C) | 1321000G821-000 |
| 4      | .660       | .500 | .076 | .125       | 82              | Passivated | Gold (C) | 1321000K821-014 |
| 4      | .660       | .500 | .000 | .125       | 82              | Gold       | Gold (C) | 1321000G821-065 |
| 4      | .660       | .500 | .000 | .125       | 82              | Passivated | Gold (C) | 1321000K821-065 |

## Printed-Circuit Board Receptacles - Through-Hole Mount



**Figure 1**



**Figure 2**

| Figure | Dimensions |      |      | Max. Board | Mounting Figure | Plating |          | Delta P/N       |
|--------|------------|------|------|------------|-----------------|---------|----------|-----------------|
|        | A          | B    | C    |            |                 | Body    | Contact  |                 |
| 1      | .530       | .375 | .155 | .125       | PCB05           | Gold    | Gold (C) | 1367000G911-000 |
| 2      | .583       | .375 | .155 | .125       | PCB05           | Gold    | Gold (C) | 1369000G000-000 |

See page 208 for mounting dimensions. • (C) in contact plating column indicates captive contact (epoxy captivated).  
 All items available with other contact and insulator configurations.

## Delta Edge Mount Receptacles

These connectors eliminate the need for drilling P.C. boards for mounting. Edge mounting provides design versatility, particularly in daughterboard configurations.

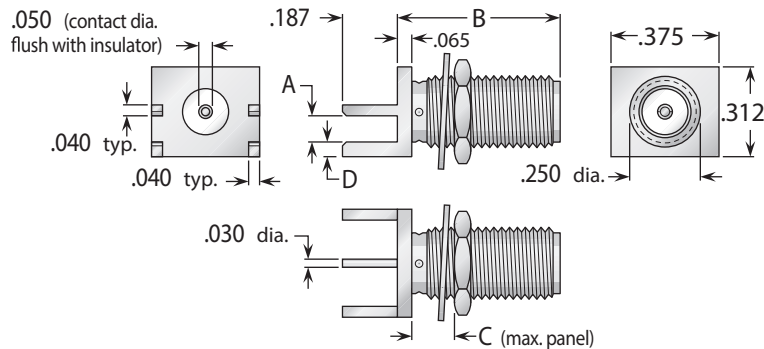
In addition, styles with bulkhead mounting allow P.C. boards to be attached directly to component housings or panels, eliminating the expense of adapters, cable assemblies, and/or additional board mounting hardware. Bulkhead mounted types are available with mounting gaskets as an option (see picture).

Delta SMA edge mount receptacles feature gold-plated brass bodies for low cost, with gold-plated beryllium copper center contacts. Insulators and contacts are mechanically captivated to meet MIL-PRF-39012 requirements. All are available with stainless-steel bodies.



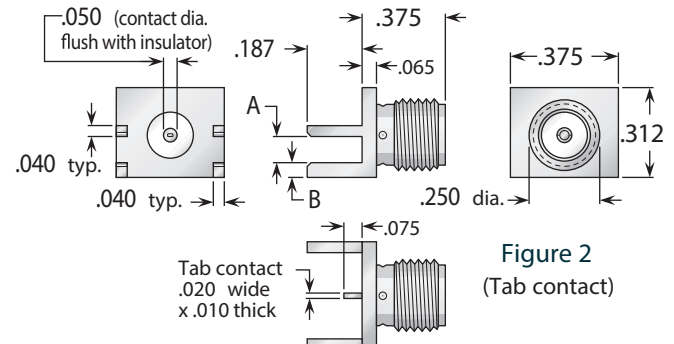
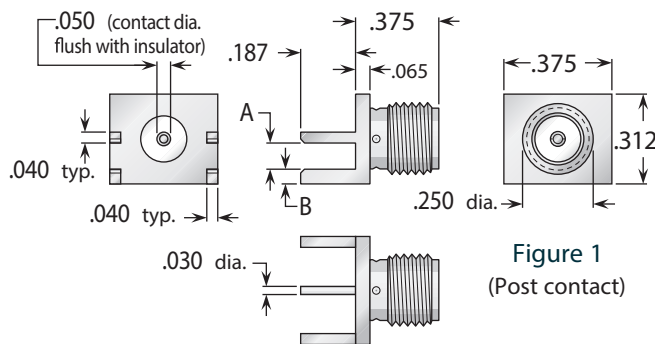
Bulkhead jack with mounting gasket

## Edge Mount P.C. Board Receptacles - Bulkhead Jack



| Board Thickness | Dimensions |      |      |      | Plating |          | Delta P/N       |
|-----------------|------------|------|------|------|---------|----------|-----------------|
|                 | A          | B    | C    | D    | Body    | Contact  |                 |
| .042            | .048       | .500 | .125 | .093 | Gold    | Gold (C) | 1367000G91P-021 |
| .047            | .053       | .500 | .125 | .088 | Gold    | Gold (C) | 1367000G91P-022 |
| .062            | .068       | .500 | .125 | .073 | Gold    | Gold (C) | 1367000G91P-006 |
| .062            | .068       | .820 | .425 | .073 | Gold    | Gold (C) | 1367000G91P-023 |

## Edge Mount P.C. Board Receptacles - Straight Jack

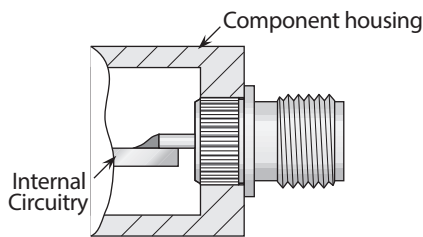


| Figure | Board Thickness | Dimensions |      | Plating |          | Delta P/N       |
|--------|-----------------|------------|------|---------|----------|-----------------|
|        |                 | A          | B    | Body    | Contact  |                 |
| 1      | .042            | .048       | .093 | Gold    | Gold (C) | 1367000G91P-026 |
| 1      | .047            | .053       | .088 | Gold    | Gold (C) | 1367000G91P-027 |
| 1      | .062            | .068       | .073 | Gold    | Gold (C) | 1367000G91P-000 |
| 2      | .042            | .048       | .103 | Gold    | Gold (C) | 1367000G91P-024 |
| 2      | .047            | .053       | .098 | Gold    | Gold (C) | 1367000G91P-025 |
| 2      | .062            | .068       | .083 | Gold    | Gold (C) | 1367000G91P-020 |

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

• See page 114 for plug types.

## Press Mount Receptacles

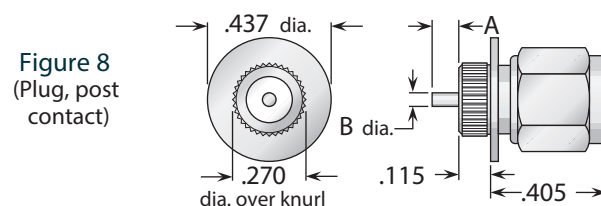
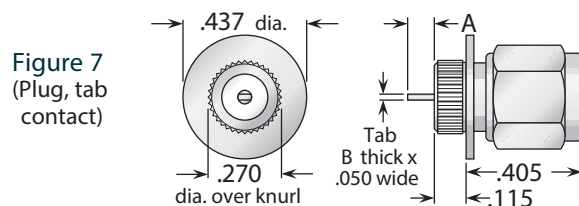
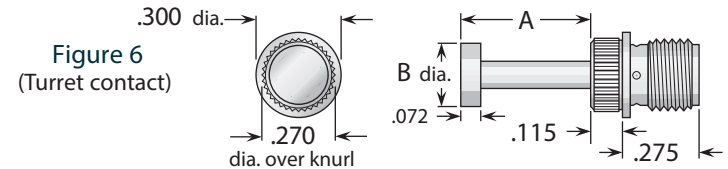
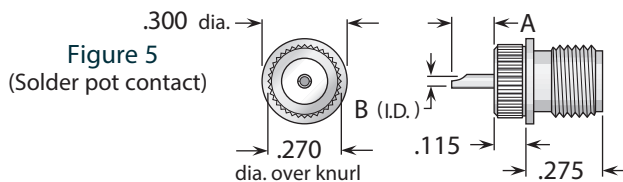
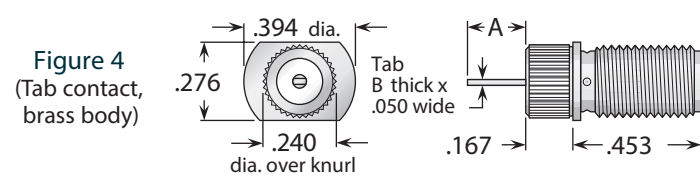
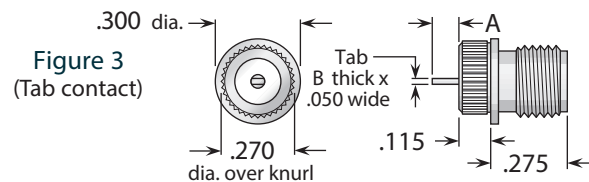
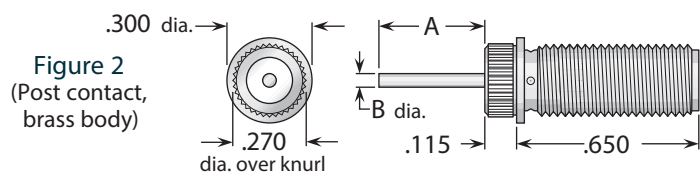
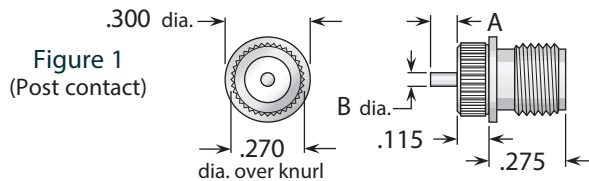


### Delta PressMount Receptacles

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.

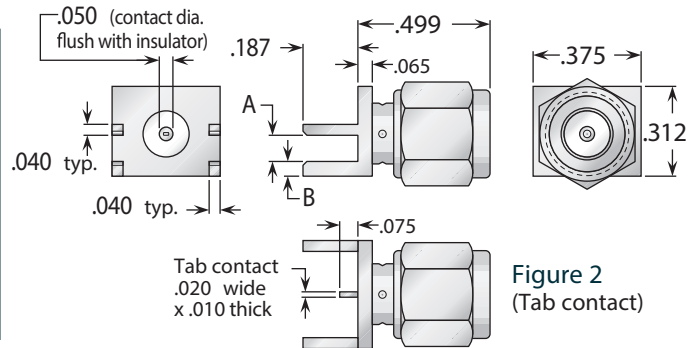
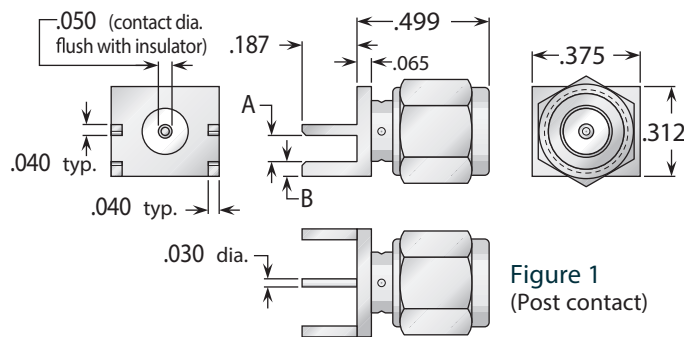
PressMounts are available for a wide variety of Delta connector series, and can be used in packages as small as the outer diameter of the connector body.



| Figure | Dimensions |           | Min. Panel | Mounting Hole   | Plating    |          | Delta P/N       |
|--------|------------|-----------|------------|-----------------|------------|----------|-----------------|
|        | A          | B         |            |                 | Body       | Contact  |                 |
| 1      | .062       | .050      | .100       | .267 ±.001 dia. | Passivated | Gold (C) | 1320000K911-002 |
| 2      | .390       | .050      | .100       | .267 ±.001 dia. | Gold       | Gold (C) | 1320000G911-076 |
| 3      | .100       | .005/.008 | .100       | .267 ±.001 dia. | Passivated | Gold (C) | 1320000K911-003 |
| 4      | .120       | .005/.008 | .100       | .237 ±.001 dia. | Gold       | Gold (C) | 1320000G911-084 |
| 5      | .200       | .032      | .100       | .267 ±.001 dia. | Passivated | Gold (C) | 1320000K911-004 |
| 6      | .465       | .250      | .100       | .267 ±.001 dia. | Gold       | Gold (C) | 1320000G911-085 |
| 6      | .425       | .250      | .100       | .267 ±.001 dia. | Gold       | Gold (C) | 1320000G911-078 |
| 7      | .100       | .005/.008 | .100       | .267 ±.001 dia. | Passivated | Gold (C) | 1324000K911-003 |
| 8      | .062       | .050      | .100       | .267 ±.001 dia. | Passivated | Gold (C) | 1324000K911-002 |

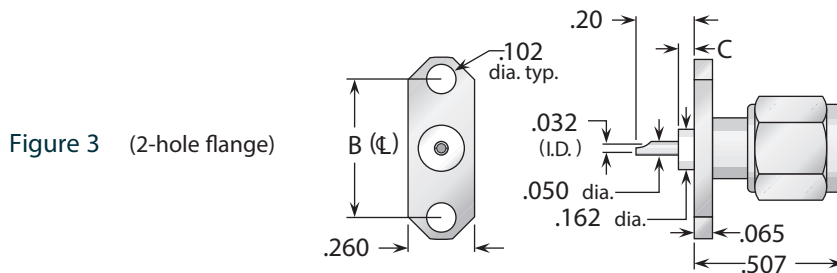
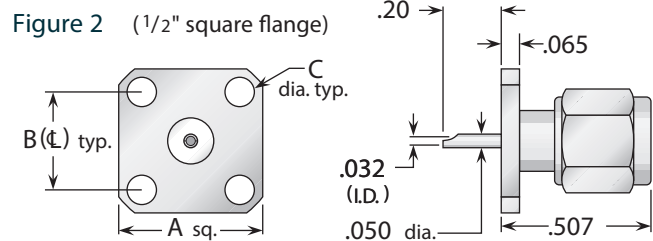
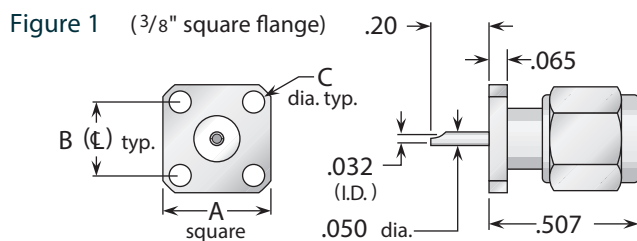
(C) in contact plating column indicates captive contact (mechanical captivation).

## Edge Mount P.C. Board Receptacles - Straight Plugs



| Figure | Board Thickness | Dimensions |      | Plating |          | Delta P/N       |
|--------|-----------------|------------|------|---------|----------|-----------------|
|        |                 | A          | B    | Body    | Contact  |                 |
| 1      | .042            | .048       | .093 | Gold    | Gold (C) | 1368000G91P-004 |
| 1      | .047            | .053       | .088 | Gold    | Gold (C) | 1368000G91P-005 |
| 1      | .062            | .068       | .073 | Gold    | Gold (C) | 1368000G91P-006 |
| 2      | .042            | .048       | .103 | Gold    | Gold (C) | 1368000G91P-001 |
| 2      | .047            | .053       | .098 | Gold    | Gold (C) | 1368000G91P-002 |
| 2      | .062            | .068       | .083 | Gold    | Gold (C) | 1368000G91P-003 |

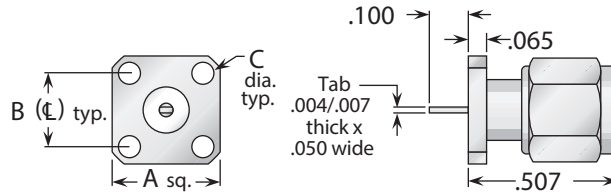
## Panel Plug Receptacles - Solder Pot Contact



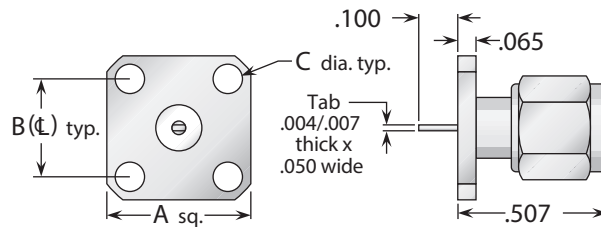
| Figure | Dimensions |      |      | Mounting Figure | Plating    |          | Delta P/N       |
|--------|------------|------|------|-----------------|------------|----------|-----------------|
|        | A          | B    | C    |                 | Body       | Contact  |                 |
| 1      | .375       | .250 | .067 | 91              | Gold       | Gold (C) | 1359000G911-013 |
| 1      | .375       | .250 | .067 | 91              | Passivated | Gold (C) | 1359000K911-013 |
| 2      | .500       | .340 | .102 | 05              | Gold       | Gold (C) | 1359000G051-010 |
| 2      | .500       | .340 | .102 | 05              | Passivated | Gold (C) | 1359000K051-010 |
| 3      | .625       | .481 | .000 | 92A             | Gold       | Gold (C) | 1359000G921-017 |
| 3      | .625       | .481 | .000 | 92A             | Passivated | Gold (C) | 1359000K921-017 |
| 3      | .625       | .481 | .025 | 92A             | Passivated | Gold (C) | 1359000G921-018 |
| 3      | .625       | .481 | .025 | 92A             | Passivated | Gold (C) | 1359000K921-018 |

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

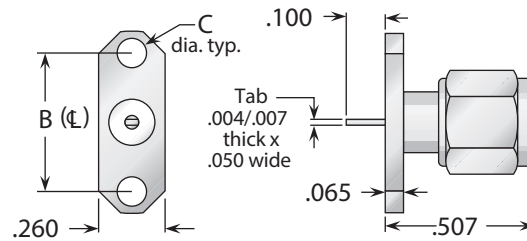
## Panel Plug Receptacles - Tab Contact



**Figure 1**  
( $\frac{3}{8}$ " square flange)



**Figure 2**  
( $\frac{1}{2}$ " square flange)

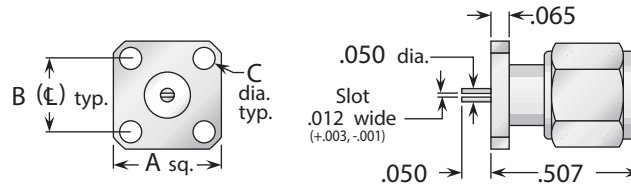


**Figure 3**  
(2-hole flange)

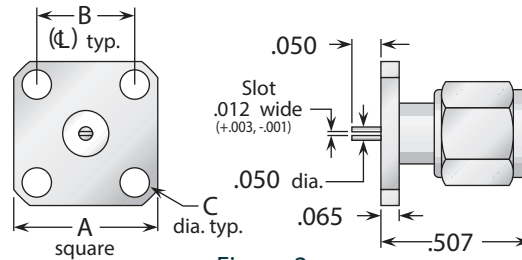
| Figure | Dimensions |      |      | Mounting Figure | Plating    |          | Delta P/N       |
|--------|------------|------|------|-----------------|------------|----------|-----------------|
|        | A          | B    | C    |                 | Body       | Contact  |                 |
| 1      | .375       | .250 | .067 | 91              | Gold       | Gold     | 1359000G910-002 |
| 1      | .375       | .250 | .067 | 91              | Passivated | Gold     | 1359000K910-002 |
| 1      | .375       | .250 | .067 | 91              | Gold       | Gold (C) | 1359000G911-014 |
| 1      | .375       | .250 | .067 | 91              | Passivated | Gold (C) | 1359000K911-014 |
| 2      | .500       | .340 | .102 | 05              | Gold       | Gold     | 1359000G050-005 |
| 2      | .500       | .340 | .102 | 05              | Passivated | Gold     | 1359000K050-005 |
| 2      | .500       | .340 | .102 | 05              | Gold       | Gold (C) | 1359000G051-045 |
| 2      | .500       | .340 | .102 | 05              | Passivated | Gold (C) | 1359000K051-045 |
| 3      | .625       | .481 | .102 | 92A             | Gold       | Gold     | 1359000G920-001 |
| 3      | .625       | .481 | .102 | 92A             | Passivated | Gold     | 1359000K920-001 |
| 3      | .625       | .481 | .102 | 92A             | Gold       | Gold (C) | 1359000G921-019 |
| 3      | .625       | .481 | .102 | 92A             | Passivated | Gold (C) | 1359000K921-019 |

- See page 208 for mounting dimensions.
- (C) in contact plating column indicates captive contact (epoxy captivated).
- All items available with other flange, contact, and insulator configurations.

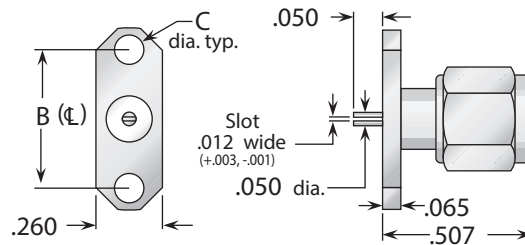
## Panel Plug Receptacles - Slotted Contact



**Figure 1**  
(3/8" square flange)



**Figure 2**  
(1/2" square flange)



**Figure 3**  
(2-hole flange)

### Other Standard Slot Widths

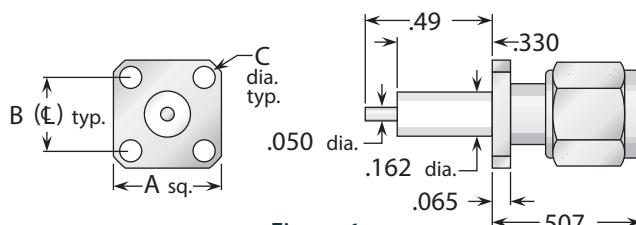
Our other standard slot widths for these connectors (.018" and .036") are readily available—call for part numbers.

| Figure | Dimensions |      |      | Mounting Figure | Plating    |          | Delta P/N       |
|--------|------------|------|------|-----------------|------------|----------|-----------------|
|        | A          | B    | C    |                 | Body       | Contact  |                 |
| 1      | .375       | .250 | .067 | 91              | Gold       | Gold     | 1359000G910-004 |
| 1      | .375       | .250 | .067 | 91              | Passivated | Gold     | 1359000K910-004 |
| 1      | .375       | .250 | .067 | 91              | Gold       | Gold (C) | 1359000G911-023 |
| 1      | .375       | .250 | .067 | 91              | Passivated | Gold (C) | 1359000K911-023 |
| 2      | .500       | .340 | .102 | 05              | Gold       | Gold     | 1359000G050-007 |
| 2      | .500       | .340 | .102 | 05              | Passivated | Gold     | 1359000K050-007 |
| 2      | .500       | .340 | .102 | 05              | Gold       | Gold (C) | 1359000G051-038 |
| 2      | .500       | .340 | .102 | 05              | Passivated | Gold (C) | 1359000K051-038 |
| 3      | .625       | .481 | .102 | 92A             | Gold       | Gold     | 1359000G920-002 |
| 3      | .625       | .481 | .102 | 92A             | Passivated | Gold     | 1359000K920-002 |
| 3      | .625       | .481 | .102 | 92A             | Gold       | Gold (C) | 1359000G921-020 |
| 3      | .625       | .481 | .102 | 92A             | Passivated | Gold (C) | 1359000K921-020 |

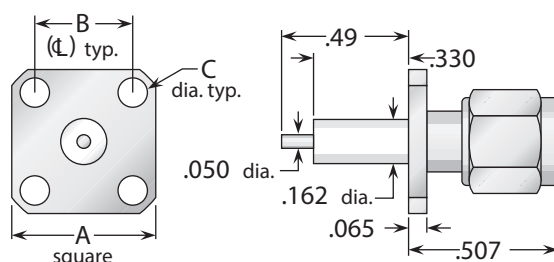
See page 208 for mounting dimensions. • (C) in contact plating column indicates captive contact (epoxy captivated).

All items available with other flange, contact, and insulator configurations.

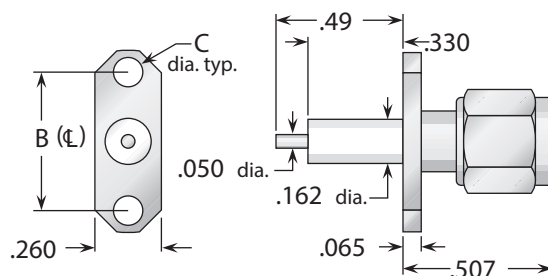
## Panel Plug Receptacle - Post Contact



**Figure 1**  
(3/8" square flange)



**Figure 2**  
(1/2" square flange)

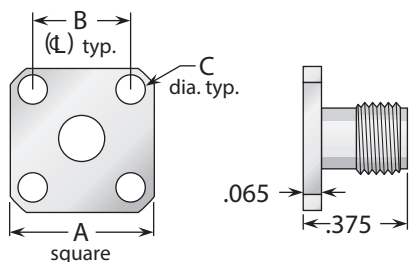


**Figure 3**  
(2-hole flange)

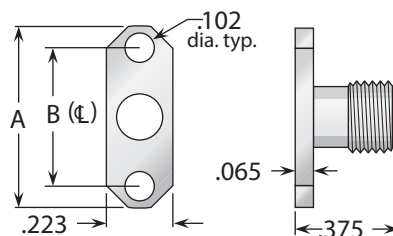
| Figure | Dimensions |      |      | Mounting Figure | Plating    |          | Delta P/N       |
|--------|------------|------|------|-----------------|------------|----------|-----------------|
|        | A          | B    | C    |                 | Body       | Contact  |                 |
| 1      | .375       | .250 | .067 | 91              | Gold       | Gold     | 1359000G910-003 |
| 1      | .375       | .250 | .067 | 91              | Passivated | Gold     | 1359000K910-003 |
| 1      | .375       | .250 | .067 | 91              | Gold       | Gold (C) | 1359000G911-015 |
| 1      | .375       | .250 | .067 | 91              | Passivated | Gold (C) | 1359000K911-015 |
| 2      | .500       | .340 | .102 | 05              | Gold       | Gold     | 1359000G050-000 |
| 2      | .500       | .340 | .102 | 05              | Passivated | Gold     | 1359000K050-002 |
| 2      | .500       | .340 | .102 | 05              | Gold       | Gold (C) | 1359000G051-004 |
| 2      | .500       | .340 | .102 | 05              | Passivated | Gold (C) | 1359000K051-004 |
| 3      | .625       | .481 | .102 | 92A             | Gold       | Gold     | 1323000G920-000 |
| 3      | .625       | .481 | .102 | 92A             | Passivated | Gold     | 1323000K920-000 |
| 3      | .625       | .481 | .102 | 92A             | Gold       | Gold (C) | 1323000G921-001 |
| 3      | .625       | .481 | .102 | 92A             | Passivated | Gold (C) | 1323000K921-001 |

- See page 208 for mounting dimensions.
- (C) in contact plating column indicates captive contact (epoxy captivated).
- All items available with other flange, contact, and insulator configurations.

## Dummy Receptacles



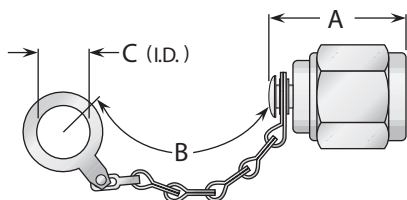
**Figure 1**  
(1/2" square flange)



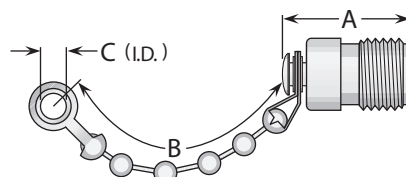
**Figure 2**  
(2-hole flange)

| Figure | Dimensions |      |      | Mounting Figure | Plating    |         | Delta P/N       |
|--------|------------|------|------|-----------------|------------|---------|-----------------|
|        | A          | B    | C    |                 | Body       | Contact |                 |
| 1      | .500       | .340 | .102 | 05              | Gold       | —       | 1363000G050-001 |
| 1      | .500       | .340 | .102 | 05              | Passivated | —       | 1363000K050-002 |
| 2      | .625       | .481 | .102 | 92              | Gold       | —       | 1363000G920-000 |
| 2      | .625       | .481 | .102 | 92              | Passivated | —       | 1363000K920-000 |

## Dust Caps



**Figure 1**  
(Shown with safety chain)



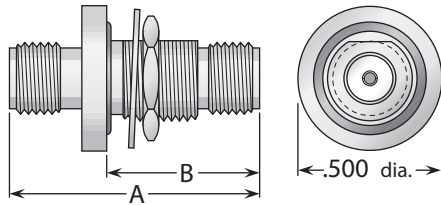
**Figure 2**  
(Shown with bead chain)

See page 195 for MIL-PRF-39012 QPL versions.

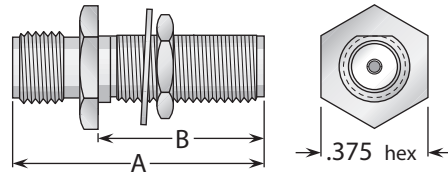
| Figure | Dimensions |      |      | Features                 | Plating    |            | Delta P/N       |
|--------|------------|------|------|--------------------------|------------|------------|-----------------|
|        | A          | B    | C    |                          | Body       | Contact    |                 |
| 1      | .500       | 2.25 | .144 | Bead chain               | Gold       | —          | 1332000G000-000 |
| 1      | .500       | 2.25 | .144 | Bead chain               | Passivated | —          | 1332000K000-000 |
| 1      | .275       | —    | —    | No chain                 | Passivated | —          | 1332000K00A-001 |
| 1      | .500       | 3.25 | .281 | Safety chain             | Passivated | —          | 1332000K00B-003 |
| 1      | .330       | —    | —    | No chain / shorting type | Passivated | Passivated | 1332000K00C-000 |
| 2      | .500       | 2.25 | .144 | Bead chain               | Gold       | —          | 1333000G000-000 |
| 2      | .500       | 2.25 | .144 | Bead chain               | Passivated | —          | 1333000K000-000 |
| 2      | .390       | —    | —    | No chain                 | Passivated | —          | 1333000K00A-000 |

- See page 208 for mounting dimensions.
- Dust caps are available with other chain styles and lengths.

## Bulkhead Mounted Jack-Jack Adapters (Connects Two Plugs)



**Figure 1**  
(Hermetically sealed, with mounting gasket)

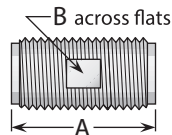


**Figure 2**  
(Non-hermetic, no mounting gasket)

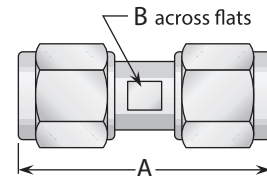
| Figure | Dimensions |      | Max. Panel | Mounting Figure | Plating    |          | Delta P/N       |
|--------|------------|------|------------|-----------------|------------|----------|-----------------|
|        | A          | B    |            |                 | Body       | Contact  |                 |
| 1      | .875       | .555 | .190       | 66              | Gold       | Gold (C) | 1326000G678-000 |
| 2      | .875       | .575 | .250       | 67              | Gold       | Gold (C) | 1326000G821-000 |
| 2      | .875       | .575 | .250       | 67              | Passivated | Gold (C) | 1326000K821-001 |

## Straight Adapters

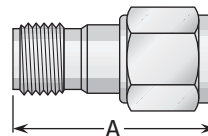
**Figure 1**  
(Straight jack-jack;  
connects two plugs)



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



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

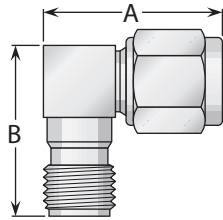


| Figure | Dimensions |      | Plating    |          | Delta P/N       |
|--------|------------|------|------------|----------|-----------------|
|        | A          | B    | Body       | Contact  |                 |
| 1      | .500       | .218 | Gold       | Gold (C) | 1328000G000-000 |
| 1      | .500       | .218 | Passivated | Gold (C) | 1328000K000-001 |
| 2      | .875       | .218 | Gold       | Gold (C) | 1327000G000-000 |
| 2      | .875       | .218 | Passivated | Gold (C) | 1327000K000-002 |
| 3      | .720       | —    | Gold       | Gold (C) | 1334000G000-000 |
| 3      | .720       | —    | Passivated | Gold (C) | 1334000K000-000 |

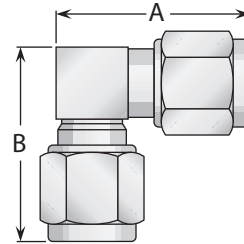
• (C) in contact plating column indicates captive contact.

• See page 208 for mounting dimensions.

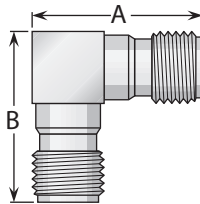
## Right Angle & Tee Adapters



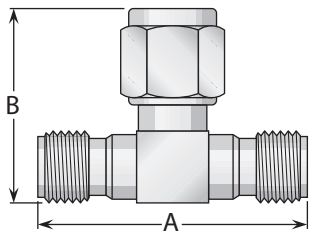
**Figure 1**  
 (Right angle plug-jack;  
 connects one plug and one jack)



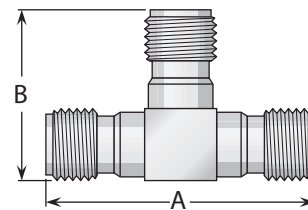
**Figure 2**  
 (Right angle plug-plug;  
 connects two jacks)



**Figure 3**  
 (Right angle jack-jack;  
 connects two plugs)



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



**Figure 5**  
 (Tee jack-jack-jack;  
 connects three plugs)

| Figure | Dimensions |      | Plating    |          | Delta P/N       |
|--------|------------|------|------------|----------|-----------------|
|        | A          | B    | Body       | Contact  |                 |
| 1      | .625       | .585 | Gold       | Gold (C) | 1329000G000-000 |
| 1      | .625       | .585 | Passivated | Gold (C) | 1329000K000-000 |
| 2      | .675       | .675 | Gold       | Gold (C) | 1337000G000-001 |
| 2      | .675       | .675 | Passivated | Gold (C) | 1337000K000-001 |
| 3      | .585       | .585 | Gold       | Gold (C) | 1395000G000-000 |
| 3      | .585       | .585 | Passivated | Gold (C) | 1395000K000-000 |
| 4      | .920       | .630 | Gold       | Gold (C) | 1330000G000-000 |
| 4      | .920       | .630 | Passivated | Gold (C) | 1330000K000-000 |
| 5      | 1.00       | .590 | Gold       | Gold (C) | 1349000G000-000 |
| 5      | 1.00       | .590 | Passivated | Gold (C) | 1349000K000-000 |

(C) in contact plating column indicates captive contact.

## General Description

Delta E-Line brass SMA connectors are subminiature, 50  $\Omega$  impedance connectors with 1/4"-36 threaded coupling. Their use of brass for body parts provides lower cost while retaining electrical performance similar to that of stainless steel SMA counterparts.

If your application does not require the 500 mating cycles of service life provided by stainless steel SMA connectors, E-Line SMAs can fulfill your needs at a reduced cost. For additional economy, nickel-plated bodies can be specified instead of gold plating.

E-Line brass SMA connectors can be used with semi-rigid cables in applications up to 18 GHz, or miniature flexible cables up to 12.4 GHz.

Our E-Line brass SMA product line is still growing, so please call if you don't see what you need.

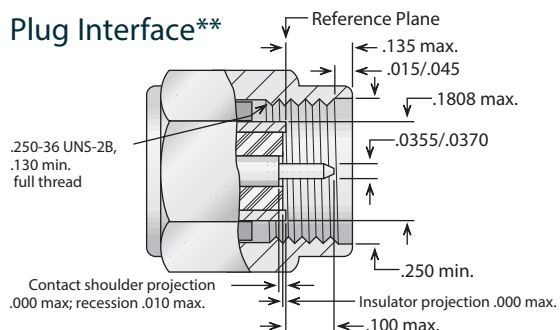
## E-Line Brass SMA Configurations

|                                                   |     |
|---------------------------------------------------|-----|
| Cable Plugs for Semi-Rigid Cable .....            | 124 |
| Straight Cable Jacks for Semi-Rigid Cable .....   | 124 |
| Bulkhead Cable Jacks for Semi-Rigid Cable .....   | 124 |
| Panel Cable Jacks for Semi-Rigid Cable .....      | 124 |
| Cable Plugs for Flexible Cable .....              | 125 |
| Straight Cable Jacks for Flexible Cable .....     | 125 |
| Bulkhead Cable Jacks for Flexible Cable .....     | 125 |
| Panel Jack Receptacles (Solder Pot Contact) ..... | 126 |

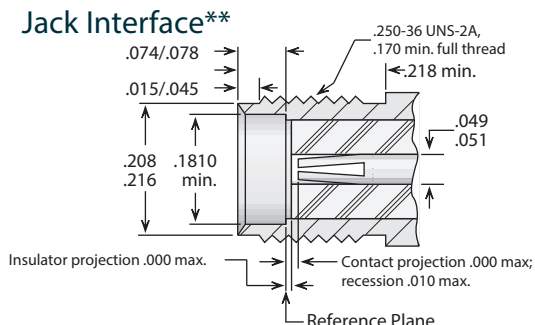
|                                                   |     |
|---------------------------------------------------|-----|
| Panel Jack Receptacles (Post Contact) .....       | 126 |
| Panel Jack Receptacles (Tab Contact) .....        | 126 |
| Bulkhead Jack Receptacles .....                   | 127 |
| Printed-Circuit Board Receptacles .....           | 127 |
| Panel Plug Receptacles (Solder Pot Contact) ..... | 128 |
| Panel Plug Receptacles (Post Contact) .....       | 128 |
| Panel Plug Receptacles (Tab Contact) .....        | 128 |
| In-Series Adapters .....                          | 129 |

## E-Line Brass SMA Specifications\*

### Plug Interface\*\*



### Jack Interface\*\*



\*\*Some proportions altered to illustrate detail.

### Electrical:

Nominal Impedance: 50 ohms.

Frequency Range: DC-18 GHz (with semi-rigid cable);  
DC-12.4 GHz (with flexible cable).

Voltage Rating: 335-500 volts RMS (dependent on cable).

Dielectric Withstanding

Voltage : 500-1500 volts RMS (dependent on cable).

Insulation Resistance: 5,000 megohms.

### Materials/Finishes:

Insulators: Teflon per ASTM D1710.

Male Contacts: Brass per ASTM B16, or

Beryllium Copper per ASTM B196.

Female Contacts: Beryllium Copper per ASTM B196.

Contact Plating : Gold per MIL-DTL-45204.

Gaskets: Silicone rubber per ZZ-R-765,

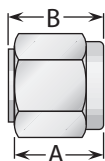
Class II, Grade 50.

Other Metal Parts: Brass per ASTM B16 or equivalent; gold plated per MIL-DTL-45204, or nickel plated per AMS-QQ-N-290.

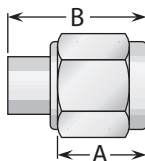
All other specifications are in accordance with the latest issues of MIL-PRF-39012, or MIL-A-55339, or other applicable MIL specifications, and interfaces are in accordance with MIL-STD-348.

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

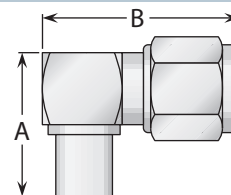
## Straight & Right Angle Plugs - For Semi-Rigid Cable



**Figure 1**  
(Straight plug—direct solder)



**Figure 2**  
(Straight plug—direct solder)

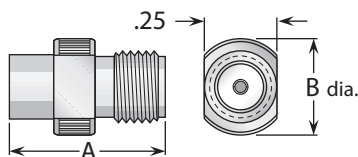


**Figure 3**  
(Right angle plug—direct solder)

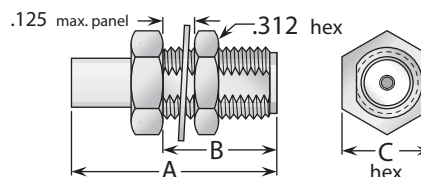
| Cable Group | Figure | Dimensions |      | Plating |                     | Delta P/N       | Assembly Procedure/Trim Code |
|-------------|--------|------------|------|---------|---------------------|-----------------|------------------------------|
|             |        | A          | B    | Body    | Contact             |                 |                              |
| 13          | 1      | .330       | .344 | Gold*   | None <sup>(1)</sup> | 1301031G003-502 | G/01                         |
| 13          | 2      | .459       | .330 | Gold*   | None <sup>(1)</sup> | 1301031G003-501 | G/01                         |
| 13          | 2      | .330       | .459 | Gold*   | Gold                | 1301031G003-500 | H/03                         |
| 13          | 3      | .460       | .630 | Gold*   | Gold (C)            | 1305031G003-500 | J/02                         |
| 14          | 2      | .330       | .459 | Gold*   | Gold                | 1301025G003-500 | H/03                         |
| 14          | 3      | .460       | .630 | Gold*   | Gold (C)            | 1305025G003-500 | J/02                         |

<sup>(1)</sup> Cable center conductor used as contact.

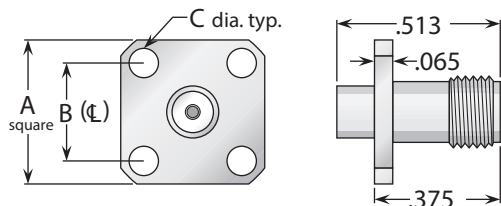
## Straight, Panel & Bulkhead Jacks - For Semi-Rigid Cable



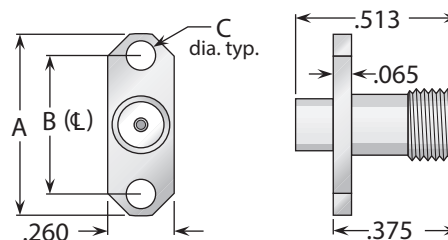
**Figure 1**  
(Straight jack, direct solder)



**Figure 2**  
(Bulkhead mount, direct solder)



**Figure 3**  
(4-hole flange, direct solder)



**Figure 4**  
(2-hole flange, direct solder)

| Cable Group | Fig. | Dimensions |      |      | Mounting Figure | Plating |         | Delta P/N       | Assembly Procedure/Trim Code |
|-------------|------|------------|------|------|-----------------|---------|---------|-----------------|------------------------------|
|             |      | A          | B    | C    |                 | Body    | Contact |                 |                              |
| 13          | 1    | .500       | .335 | —    | —               | Gold*   | Gold    | 1308031G003-500 | H/01                         |
| 13          | 2    | .850       | .500 | .312 | 67              | Gold*   | Gold    | 1317031G673-500 | H/04                         |
| 13          | 3    | .500       | .340 | .102 | 05              | Gold*   | Gold    | 1311031G053-500 | H/01                         |
| 13          | 4    | .625       | .481 | .102 | 92A             | Gold*   | Gold    | 1311031G923-500 | H/01                         |
| 14          | 1    | .500       | .335 | —    | —               | Gold*   | Gold    | 1308025G003-500 | H/01                         |
| 14          | 2    | .850       | .500 | .312 | 67              | Gold*   | Gold    | 1317025G673-500 | H/04                         |
| 14          | 3    | .500       | .340 | .102 | 05              | Gold*   | Gold    | 1311025G053-500 | H/01                         |
| 14          | 4    | .625       | .481 | .102 | 92A             | Gold*   | Gold    | 1311025G923-500 | H/01                         |

- \* Also available with nickel-plated body—change G in Delta part number to N.
- (C) in contact plating column indicates captive contact.
- See page 209 for cable groups.
- Assembly procedures start on page 210.
- See page 208 for mounting dimensions.

## Straight & Right Angle Plugs - Crimp Type For Flexible Cable

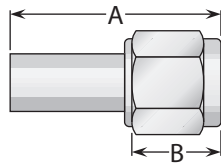


Figure 1  
(Straight plug)

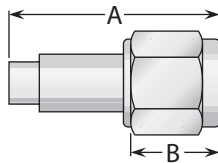


Figure 2  
(Straight plug)

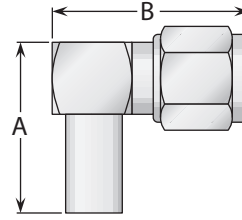


Figure 3  
(Right angle plug)

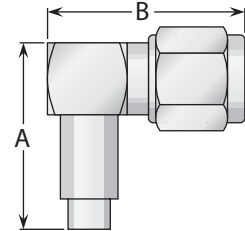


Figure 4  
(Right angle plug)

| Cable Group | Figure | Dimensions |      | Plating |          | Delta P/N       | Assembly Procedure/<br>Trim Code |
|-------------|--------|------------|------|---------|----------|-----------------|----------------------------------|
|             |        | A          | B    | Body    | Contact  |                 |                                  |
| 5           | 1      | .880       | .330 | Gold*   | Gold     | 1303017G000-500 | K/05                             |
| 5           | 3      | .650       | .630 | Gold*   | Gold (C) | 1307017G001-500 | L/03                             |
| 6           | 1      | .880       | .330 | Gold*   | Gold     | 1303013G000-500 | K/05                             |
| 6           | 3      | .650       | .630 | Gold*   | Gold (C) | 1307013G001-500 | L/03                             |
| 9           | 1      | .750       | .330 | Gold*   | Gold     | 1303037G000-500 | K/03                             |
| 9           | 3      | .650       | .630 | Gold*   | Gold (C) | 1307037G001-500 | L/03                             |
| 10          | 1      | .750       | .330 | Gold*   | Gold     | 1303100G000-500 | K/06                             |
| 10          | 3      | .650       | .630 | Gold*   | Gold (C) | 1307100G001-500 | L/03                             |
| 11          | 2      | .760       | .330 | Gold*   | Gold     | 1303038G000-500 | ***                              |
| 11          | 4      | .650       | .630 | Gold*   | Gold (C) | 1307038G001-500 | L/03                             |

## Straight & Bulkhead Jacks - Crimp Type For Flexible Cable

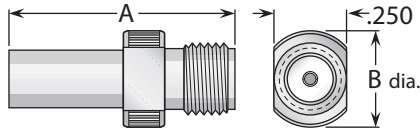


Figure 1 (Straight jack)

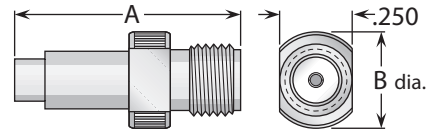


Figure 2 (Straight jack)

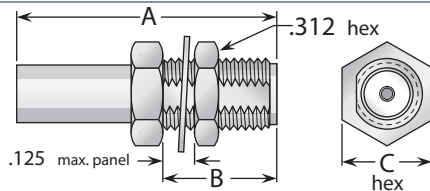


Figure 3 (Bulkhead jack)

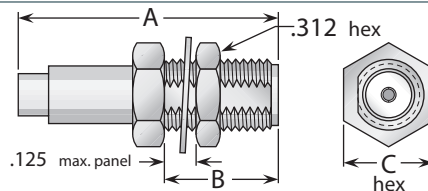
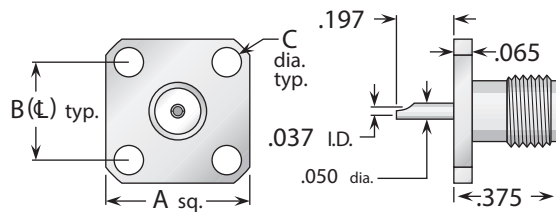


Figure 4 (Bulkhead jack)

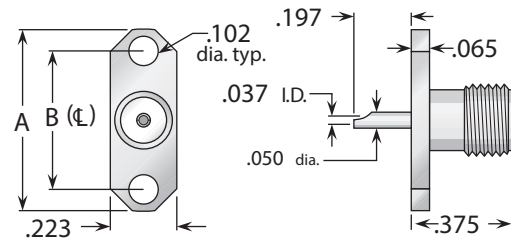
| Cable Group | Fig. | Dimensions |      |      | Mounting Figure | Plating |         | Delta P/N       | Assembly Procedure/<br>Trim Code |
|-------------|------|------------|------|------|-----------------|---------|---------|-----------------|----------------------------------|
|             |      | A          | B    | C    |                 | Body    | Contact |                 |                                  |
| 5           | 1    | .760       | .335 | —    | —               | Gold*   | Gold    | 1310017G000-500 | K/08                             |
| 5           | 3    | .990       | .500 | .312 | 67              | Gold*   | Gold    | 1319017G670-500 | K/10                             |
| 6           | 1    | .760       | .335 | —    | —               | Gold*   | Gold    | 1310013G000-500 | K/08                             |
| 6           | 3    | .990       | .500 | .312 | 67              | Gold*   | Gold    | 1319013G670-500 | K/10                             |
| 9           | 1    | .740       | .335 | —    | —               | Gold*   | Gold    | 1310037G000-500 | K/08                             |
| 9           | 3    | .990       | .500 | .312 | 67              | Gold*   | Gold    | 1319037G670-500 | K/10                             |
| 10          | 1    | .740       | .335 | —    | —               | Gold*   | Gold    | 1310100G000-500 | K/08                             |
| 10          | 3    | .990       | .500 | .312 | 67              | Gold*   | Gold    | 1319100G670-500 | K/10                             |
| 11          | 2    | .740       | .335 | —    | —               | Gold*   | Gold    | 1310038G000-500 | ***                              |
| 11          | 4    | .990       | .500 | .312 | 67              | Gold*   | Gold    | 1319038G670-500 | ***                              |

- \* Also available with nickel-plated body—change G in Delta part number to N.
- (C) in contact plating column indicates captive contact.
- See page 209 for cable groups.
- Assembly procedures start on page 210.
- See page 208 for mounting dimensions.

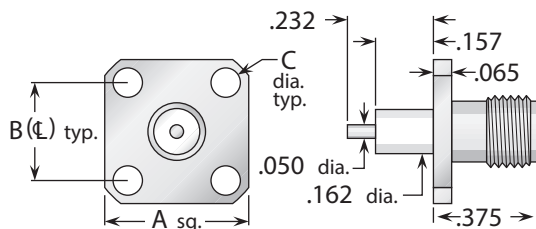
## Panel Jack Receptacles



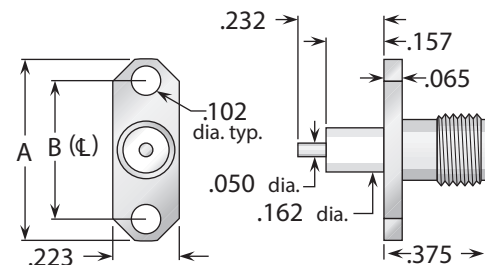
**Figure 1**  
(Solder pot contact—square flange)



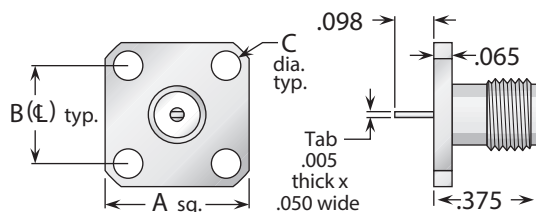
**Figure 2**  
(Solder pot contact—2-hole flange)



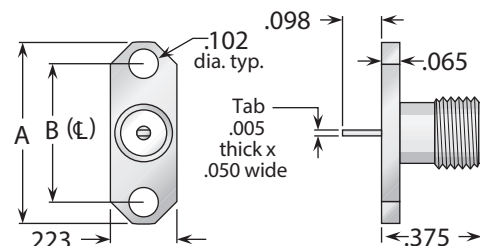
**Figure 3**  
(Post contact—square flange)



**Figure 4**  
(Post contact—2-hole flange)



**Figure 5**  
(Tab contact—square flange)



**Figure 6**  
(Tab contact—2-hole flange)

| Figure | Dimensions |      |      | Mounting Figure | Plating |          | Delta P/N       |
|--------|------------|------|------|-----------------|---------|----------|-----------------|
|        | A          | B    | C    |                 | Body    | Contact  |                 |
| 1      | .500       | .340 | .102 | 05              | Gold*   | Gold (C) | 1313000G051-500 |
| 2      | .625       | .481 | .102 | 92              | Gold*   | Gold (C) | 1313000G921-500 |
| 3      | .500       | .340 | .102 | 05              | Gold*   | Gold (C) | 1358000G051-500 |
| 4      | .625       | .481 | .102 | 92              | Gold*   | Gold (C) | 1358000G921-500 |
| 5      | .500       | .340 | .102 | 05              | Gold*   | Gold (C) | 1358000G051-501 |
| 6      | .625       | .481 | .102 | 92              | Gold*   | Gold (C) | 1358000G921-501 |

- \* Also available with nickel-plated body—change G in Delta part number to N.
- See page 208 for mounting dimensions.
- (C) in contact plating column indicates captive contact (mechanical captivation).
- All items available with other flange, contact, and insulator configurations.

## Bulkhead Jack Receptacles

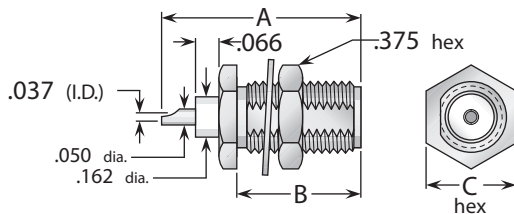


Figure 1 (Rear mount, solder pot contact, no mounting gasket)

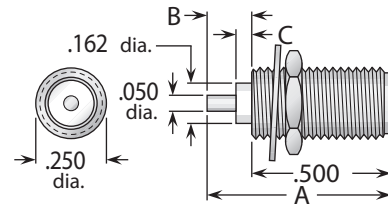


Figure 2 (Round body, post contact)

| Figure | Dimensions |      |      | Max. Panel | Mounting Figure | Plating |          | Delta P/N       |
|--------|------------|------|------|------------|-----------------|---------|----------|-----------------|
|        | A          | B    | C    |            |                 | Body    | Contact  |                 |
| 1      | .670       | .450 | .375 | .125       | 67              | Gold    | Gold (C) | 1321000G671-500 |
| 2      | .660       | .157 | .075 | .125       | 82              | Gold    | Gold (C) | 1321000G821-500 |
| 2      | .620       | .118 | .000 | .125       | 82              | Gold    | Gold (C) | 1321000G821-501 |

## Printed-Circuit Board Receptacles

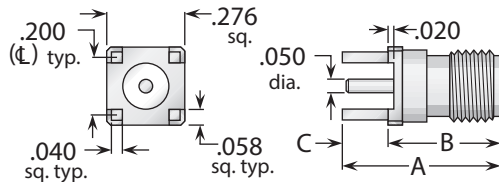


Figure 1 (Straight jack)

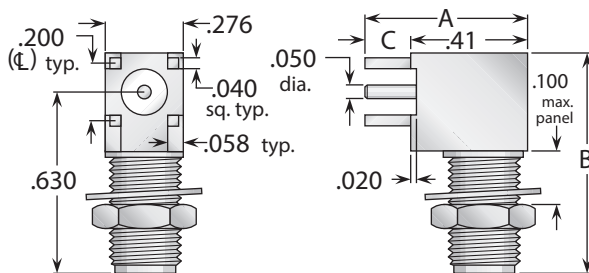


Figure 3 (Right angle bulkhead jack)

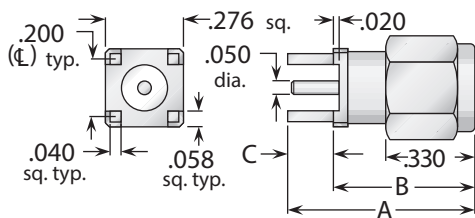


Figure 4 (Straight plug)

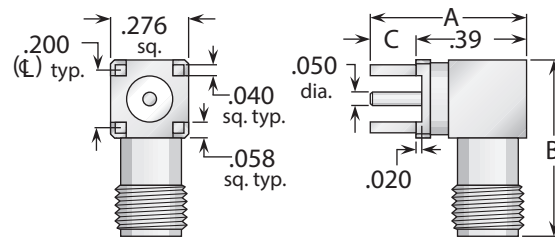


Figure 2 (Right angle jack)

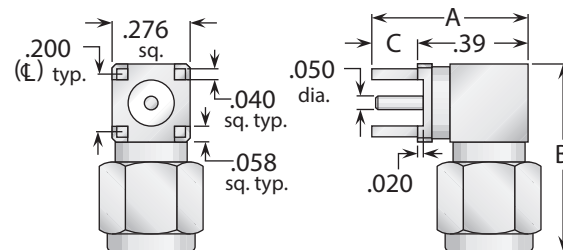


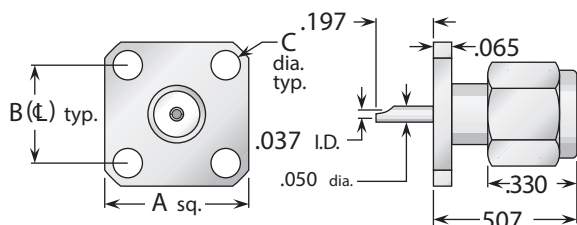
Figure 5 (Right angle plug)

| Figure | Dimensions |      |      | Max. Board | Mounting Figure | Plating |          | Delta P/N       |
|--------|------------|------|------|------------|-----------------|---------|----------|-----------------|
|        | A          | B    | C    |            |                 | Body    | Contact  |                 |
| 1      | .550       | .394 | .155 | .125       | PCB05           | Gold*   | Gold (C) | 1367000G001-500 |
| 2      | .540       | .594 | .155 | .125       | PCB05           | Gold*   | Gold (C) | 1369000G001-500 |
| 3      | .560       | .756 | .155 | .125       | PCB05/82        | Gold*   | Gold (C) | 1369000G821-500 |
| 4      | .650       | .494 | .155 | .125       | PCB05           | Gold*   | Gold (C) | 1368000G001-500 |
| 5      | .540       | .650 | .155 | .125       | PCB05           | Gold*   | Gold (C) | 1370000G001-500 |

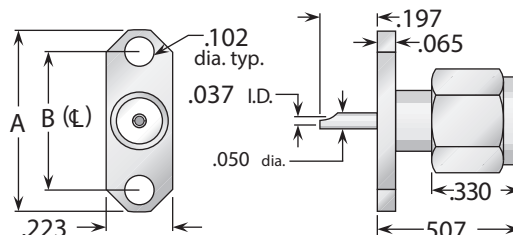
\* Also available with nickel-plated body—change G in Delta part number to N.

• See page 208 for mounting dimensions. • (C) in contact plating column indicates captive contact (mechanical captivation).

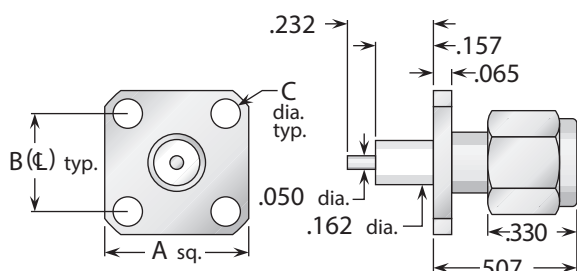
## Panel Plug Receptacles



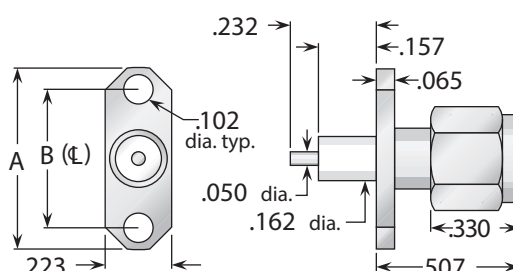
**Figure 1**  
(Solder pot contact—square flange)



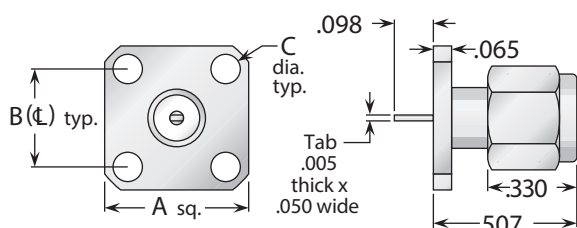
**Figure 2**  
(Solder pot contact—2-hole flange)



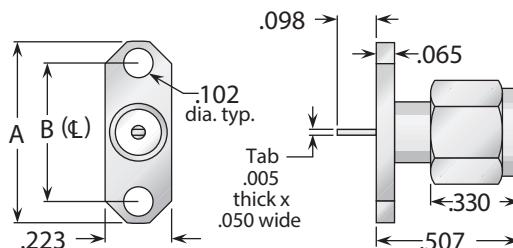
**Figure 3**  
(Post contact—square flange)



**Figure 4**  
(Post contact—2-hole flange)



**Figure 5**  
(Tab contact—square flange)

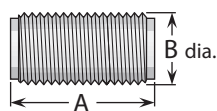


**Figure 6**  
(Tab contact—2-hole flange)

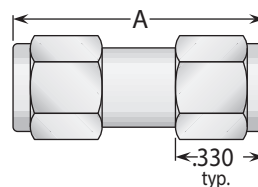
| Figure | Dimensions |      |      | Mounting Figure | Plating |          | Delta P/N       |
|--------|------------|------|------|-----------------|---------|----------|-----------------|
|        | A          | B    | C    |                 | Body    | Contact  |                 |
| 1      | .500       | .340 | .102 | 05              | Gold*   | Gold (C) | 1323000G051-500 |
| 2      | .625       | .481 | .102 | 92              | Gold*   | Gold (C) | 1323000G921-500 |
| 3      | .500       | .340 | .102 | 05              | Gold*   | Gold (C) | 1359000G051-500 |
| 4      | .625       | .481 | .102 | 92              | Gold*   | Gold (C) | 1359000G921-500 |
| 5      | .500       | .340 | .102 | 05              | Gold*   | Gold (C) | 1359000G051-501 |
| 6      | .625       | .481 | .102 | 92              | Gold*   | Gold (C) | 1359000G921-501 |

- \* Also available with nickel-plated body—change G in Delta part number to N.
- See page 208 for mounting dimensions.
- (C) in contact plating column indicates captive contact (mechanical captivation).
- All items available with other flange, contact, and insulator configurations.

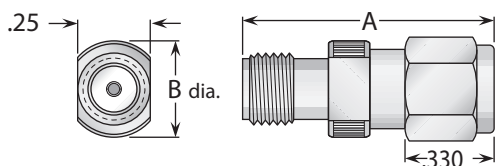
## Straight, Right Angle, & Tee Adapters



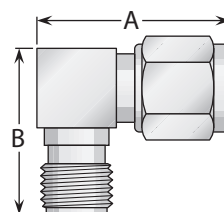
**Figure 1**  
(Straight jack-jack; connects two plugs)



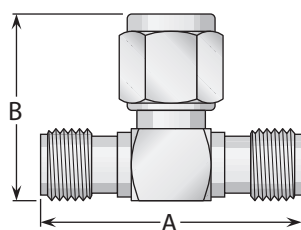
**Figure 2**  
(Straight plug-plug; connects two jacks)



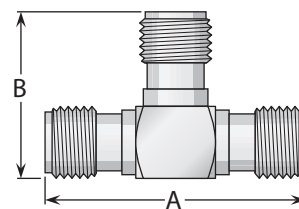
**Figure 3**  
(Straight jack-plug; connects one plug and one jack)



**Figure 4**  
(Right angle plug-jack; connects one plug and one jack)



**Figure 5**  
(Tee jack-plug-jack; connects two plugs and one jack)



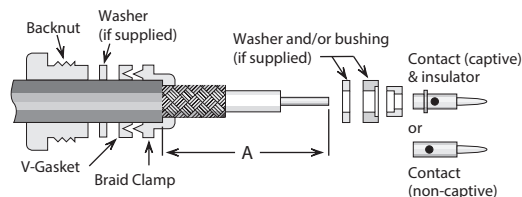
**Figure 6**  
(Tee jack-jack-jack; connects three plugs)

| Figure | Dimensions |      | Plating |          | Delta P/N       |
|--------|------------|------|---------|----------|-----------------|
|        | A          | B    | Body    | Contact  |                 |
| 1      | .500       | .250 | Gold*   | Gold (C) | 1328000G001-500 |
| 2      | .900       | —    | Gold*   | Gold (C) | 1327000G001-500 |
| 3      | .860       | .335 | Gold*   | Gold (C) | 1334000G001-500 |
| 4      | .654       | .594 | Gold*   | Gold (C) | 1329000G001-500 |
| 5      | .913       | .654 | Gold*   | Gold (C) | 1330000G001-500 |
| 6      | .913       | .594 | Gold*   | Gold (C) | 1338000G001-500 |

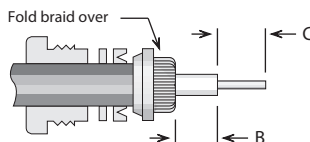
- \* Also available with nickel-plated body—change G in Delta part number to N.
- (C) in contact plating column indicates captive contact (mechanical captivation).

## Assembly Procedure A

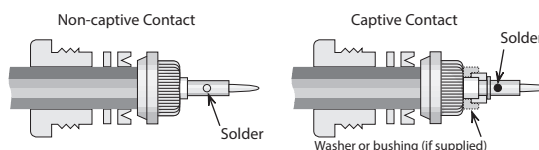
- 1) Trim cable jacket to dimension A.  
Slide backnut, washer, V-gasket, and braid clamp onto cable as shown.  
Cable jacket should bottom on step in braid clamp.



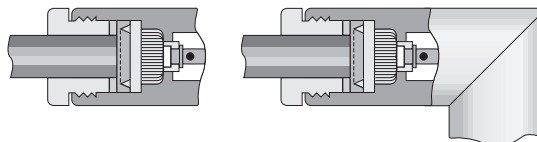
- 2) Comb braid wires out straight and fold back over front shoulder of braid clamp (braid wires should not overlap one another after folding). Trim braid wires flush with step of braid clamp. Trim cable dielectric and center conductor to dimensions B and C.



- 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.



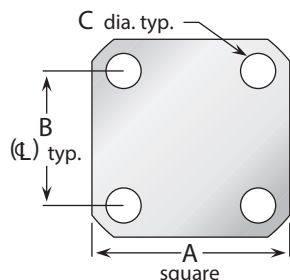
- 4) Insert prepared cable and hardware into body and tighten backnut. For right angle connectors with access cap, solder center conductor into slot in contact and tighten access cap.



## 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         |

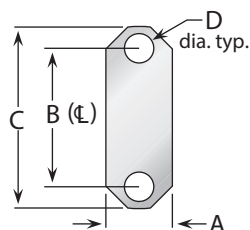
## Connector Flanges (Panel Mounted Connectors)



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      |

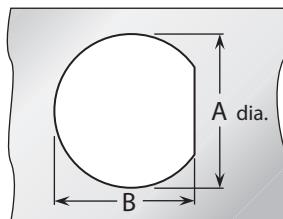
\* Countersunk to .245 dia.



2-hole flanges

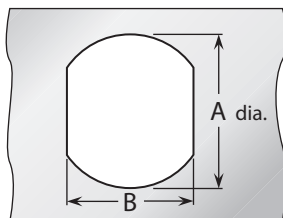
| Figure | A    | B     | C    | D    |
|--------|------|-------|------|------|
| 92     | .223 | .481  | .625 | .102 |
| 92A    | .260 | .481  | .625 | .102 |
| 95     | .640 | 1.015 | 1.30 | .125 |

## Panel Cutouts (Bulkhead Mounted Connectors)



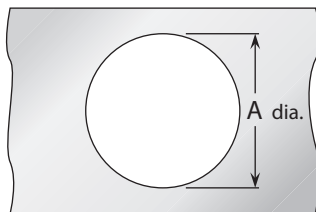
D-Hole

| 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

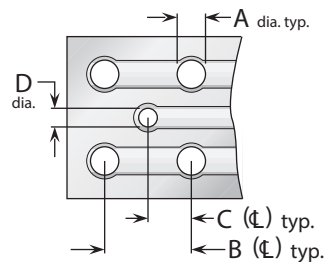
| Figure | A    | B    |
|--------|------|------|
| 69     | .755 | .692 |
| 72     | .630 | .536 |
| 75     | .380 | .341 |
| 84     | .319 | .278 |



Round Hole

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

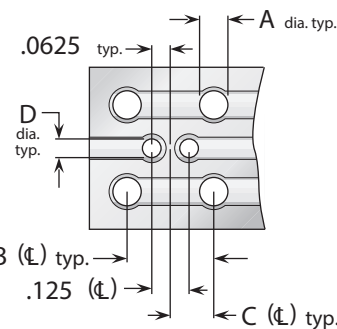
## P.C. Board Drilling



(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.



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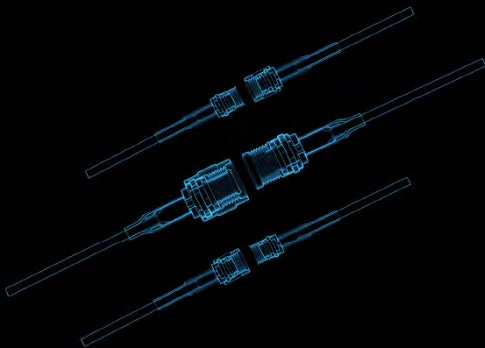
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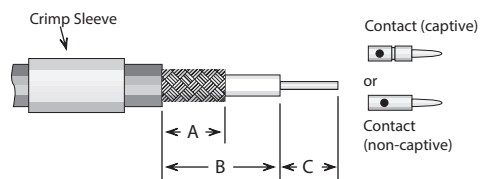
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## Assembly Procedure B

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



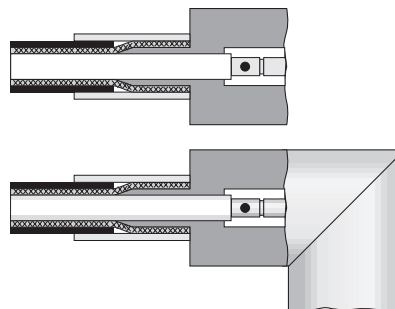
- 2) If support insulator is provided for RG-62 or 71 cable, insert into hollow in dielectric. Solder contact onto center conductor; back of contact flush with trimmed end of cable dielectric (omit this step for right angle connectors with access caps). Flare cut end of braid slightly by rotating dielectric.



- 3) Insert cable/contact into rear of body, with all braid wires on outside of crimp tail.
- For captive contact connectors, push cable in until contact snaps into insulator.
  - For noncaptive contact connectors, push cable in until cable dielectric bottoms in connector.
  - 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).

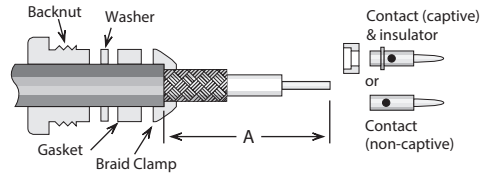
For right angle or tee connectors with access caps: Solder center conductor into contact slot, assemble insulator disc (if supplied), then press cap into body until seated or screw into place.



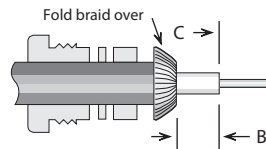
### Trim Codes For Assembly Procedure B

| 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 |

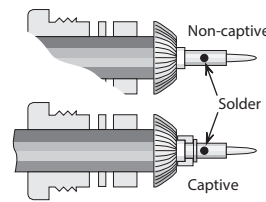
## Assembly Procedure C



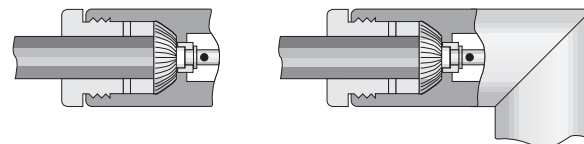
- 1) Trim cable jacket to dimension A. Slide backnut, washer, gasket, and braid clamp onto cable as shown. Cable jacket should bottom on step in braid clamp.



- 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.

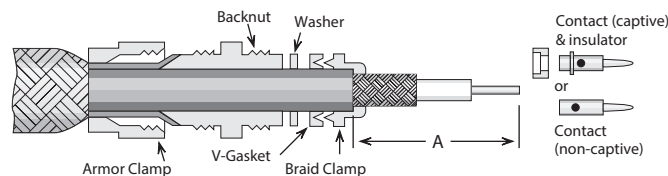


- 4) Insert prepared cable and hardware into body and tighten backnut. For right angle connectors with access cap, solder cable center conductor to slot in contact and tighten access cap.

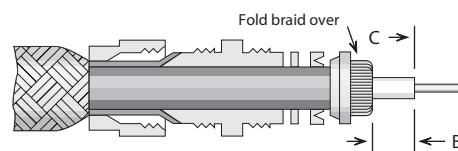
Trim Codes

| 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) |

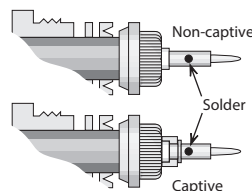
## Assembly Procedure D



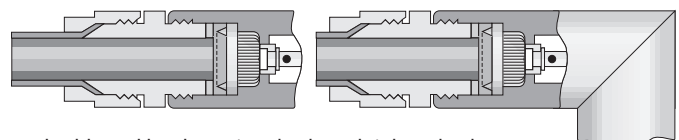
- 1) Slide armor clamp over cable. Push armor back to expose cable end. Slide backnut, washer (if supplied), gasket, and braid clamp onto cable as shown. Cable jacket should bottom on step in braid clamp. Trim cable jacket to dimension A.



- 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.

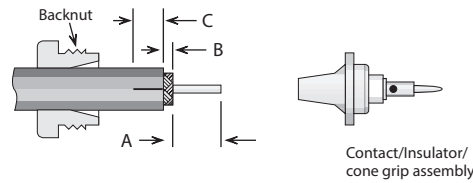


- 4) Insert prepared cable and hardware into body and tighten backnut. Trim armor to fit between armor clamp and braid clamp. Tighten armor clamp.

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)  |

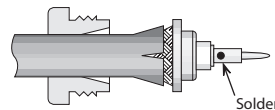
## Assembly Procedure E



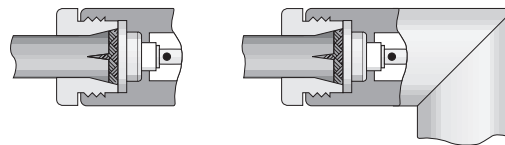
- 1) Slide backnut onto cable as shown. Trim cable to dimensions A and B as shown. Slit jacket to dimension C in two places, 180° apart.

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.

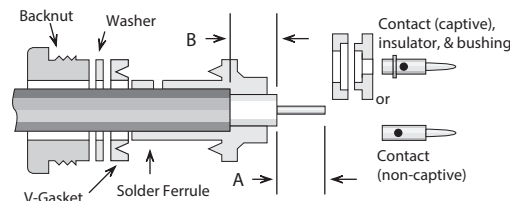


- 3) Insert prepared cable and hardware into body; tighten assembly by holding nut stationary and turning body.

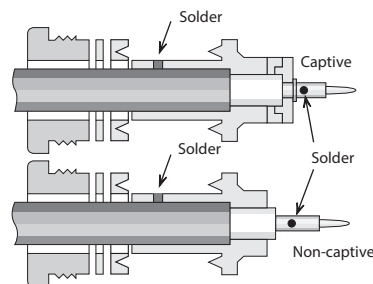
## Assembly Procedure F

Trim Codes

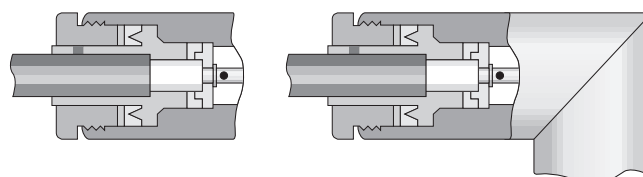
| Code | A           | B            |
|------|-------------|--------------|
| F/01 | .250 (1/4)  | .219 (7/32)  |
| F/02 | .250 (1/4)  | .172 (11/64) |
| F/03 | .188 (3/16) | .188 (3/16)  |
| F/04 | .109 (7/64) | .265 (17/64) |
| F/05 | .156 (5/32) | .250 (1/4)   |
| F/06 | .219 (7/32) | .250 (1/4) 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

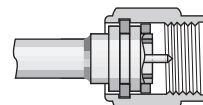
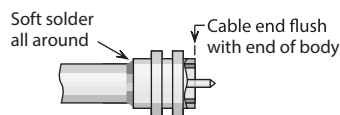
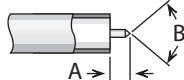
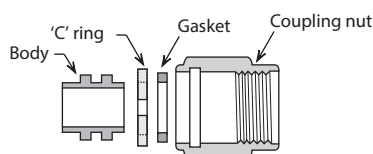


- 2) Solder ferrule to cable jacket as shown. Retrim cable dielectric to proper length if it has extruded from soldering heat. Slide bushing and rear insulator over cable dielectric if captive contact. Solder contact onto center conductor; back of contact flush with trimmed end of cable dielectric.



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

## Assembly Procedure G



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

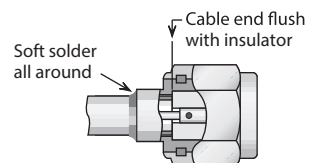
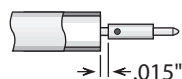
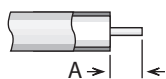
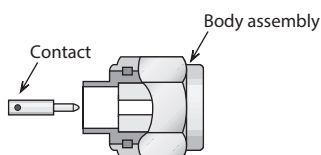
- 2) Soft solder cable jacket to body, making sure that end of cable is flush with end of body. After solder joint has cooled, retrim any protruding dielectric flush with end of body.

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

Trim Codes

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

## Assembly Procedure H



- 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.

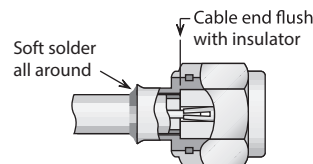
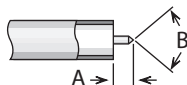
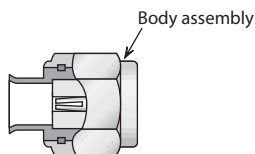
- 3) Insert cable into body and solder cable jacket to body, keeping end of cable flush with insulator as shown.

Trim Codes

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

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

## Assembly Procedure I



- 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.

Trim Codes

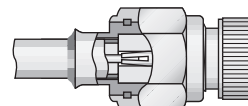
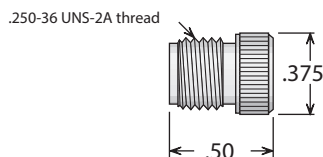
| Code | A    | B      |
|------|------|--------|
| I/01 | .090 | 70-90° |

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

### Cable Positioner

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

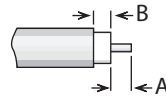
For .141" Cable:  
P/N 63-10072-1



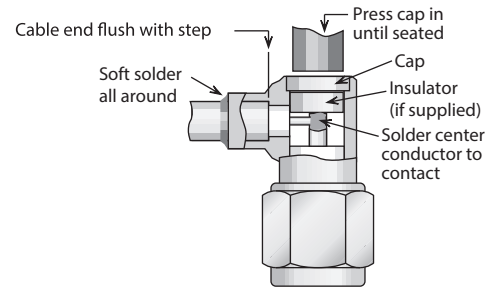
Using this positioner in the final step of assembly procedure H or I (for plugs only) will ensure that the contact and insulator are retained in the proper position to meet MIL-C-39012 requirements. The positioner should be screwed finger-tight into the mating end of the connector (as shown at right)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

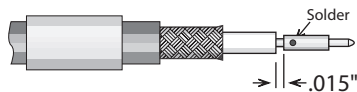
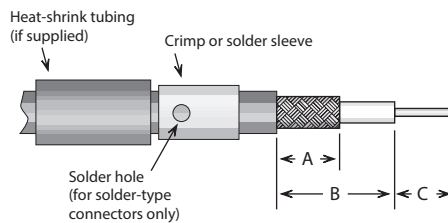


- 1) Trim cable as shown. Remove any burrs from jacket and center conductor.



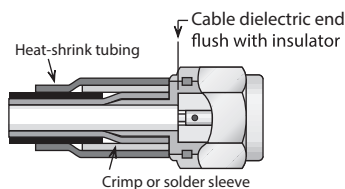
- 2) Soft solder cable jacket to body, making sure that end of cable is flush with step in body. Solder center conductor into contact slot, assemble insulator disc (if supplied), then press cap into body until seated or screw into place.

## 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.

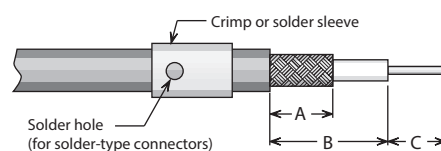
| Trim Codes |      |      |      |      |      |      |      |
|------------|------|------|------|------|------|------|------|
| Code       | A    | B    | C    | Code | A    | B    | C    |
| K/01       | .250 | .270 | .110 | K/07 | .220 | .290 | .135 |
| K/02       | .200 | .270 | .140 | K/08 | .420 | .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 |

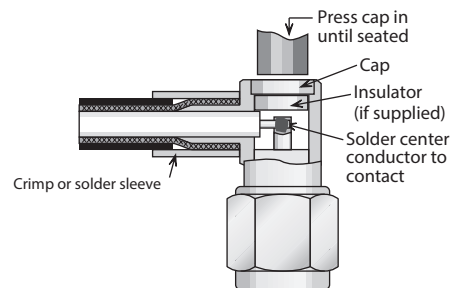
- 1) Trim cable per chart. Slide crimp (or solder) sleeve onto cable.



- 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.

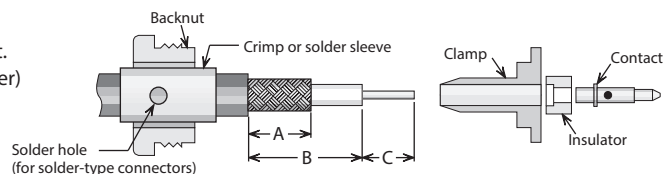


## Assembly Procedure M

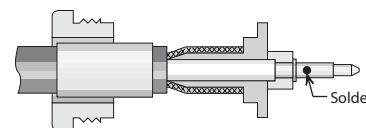
Cable Trim Codes

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

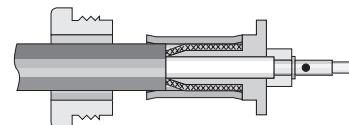
- 1) Trim cable per chart. Slide crimp (or solder) sleeve and backnut onto cable.



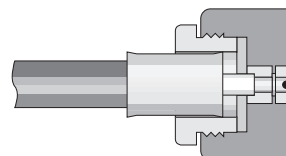
- 2) Flare cut end of braid slightly by rotating dielectric. Insert cable into rear of clamp, with all braid wires on outside of crimp tail. Slide insulator over cable dielectric until it is flush with front of clamp, and cable insulation bottoms inside insulator. Slide contact onto center conductor, 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 die sizes used with M39012 cable groups.

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