



SMA Connectors

ONLINE CATALOG

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We have configured this online catalog to take advantage of Acrobat navigation shortcuts (links). However, these links are not visible on the pages—making them visible would compromise the page’s readability.

- Clicking on any entry in the Table of Contents will take you to the indicated page.
- Shown below are the “hot spots” on all of the product pages that will take you to background information on various connector characteristics.
- After you use a link to jump to another page, you can use the “back” arrow in Acrobat’s menu bar to return to the page you jumped from.
- Configure Acrobat Reader to show bookmarks for a table of contents by specific characteristic (for example, cable plugs broken out by cable attachment method).
- To find a specific part number, use Acrobat’s search feature.

In addition, the pages are formatted to fit within the margins of standard laser or inkjet printers—no need to use the “shrink to fit” option when printing pages from Acrobat.

Click [here](#) to go to the Table of Contents

Click on the Delta logo on any page to jump to the table of contents.

Click on the page title to jump to specifications and interface dimensions.

BNC Cable Jacks

Panel Jack—Military Clamp for Flexible Cable

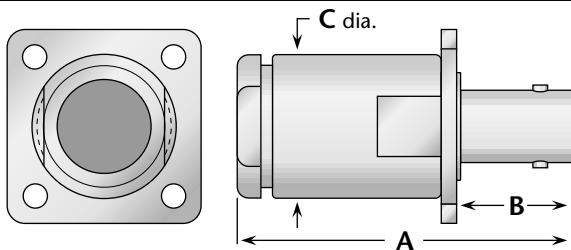


Figure 1

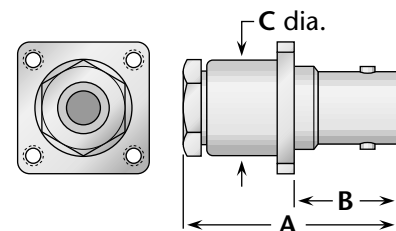


Figure 2

Cable Group	Fig.	Dimensions			Mounting Figure	Plating		Delta P/N	Assembly Procedure/Trim Code
		A	B	C		Body	Contact		
1	1	1.75	.63	.75	33	Nickel	Silver	1011-001-N330	A/20
2, 3	1	1.75	.63	.75	33	Nickel	Silver	1011-004-N330	A/20
5, 6	2	1.16	.55	.50	07	Nickel	Silver	UG-291C/U	A/17

Click here to jump to dimensions for Delta mounting figures.

Click here to jump to the cable assembly procedure for this connector.

Click here to jump to a guide to Delta cable groups.

Click here to go to Delta’s website if your computer is configured for Web connection via Acrobat.

General Description

Delta SMA connectors are subminiature, precision, 50Ω 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 with 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.

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:

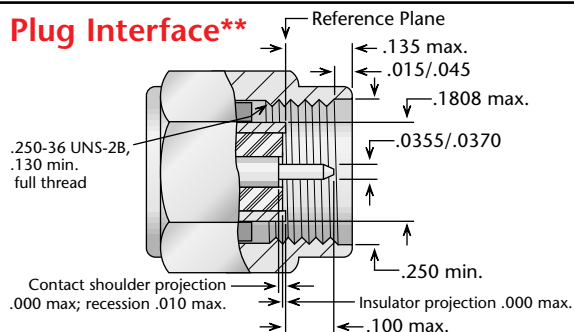
- *One-Step* cable connectors for quick, accurate assembly to semi-rigid cable.
- *PressMount* receptacles (page XX) mount securely in a single round hole, saving space on your components and reducing your housing fabrication costs.
- Panel receptacles with flange sizes to match the same hole pattern 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.

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

For adapters between BNC and other series, download the document *DeltaABS.pdf* from our website.

SMA Specifications*

Plug Interface**



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-G-45204.

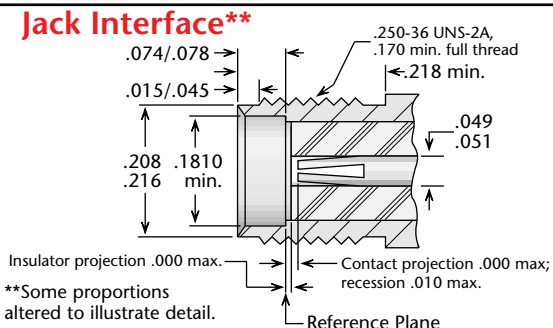
Gaskets: Silicone rubber per ZZ-R-765, Class II, Grade 50.

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

Jack Interface**



**Some proportions altered to illustrate detail.

About Delta's Customer-Driven Design

At Delta, *Customer-Driven Design* isn't just a catchy slogan. It means that we make RF connectors that help you build your products efficiently, quickly, and cost-effectively. Because we design for *your* needs, nobody else can offer you such a broad line of standard connectors, along with an ever-growing list of innovative, user-friendly design variations like those detailed on these pages.

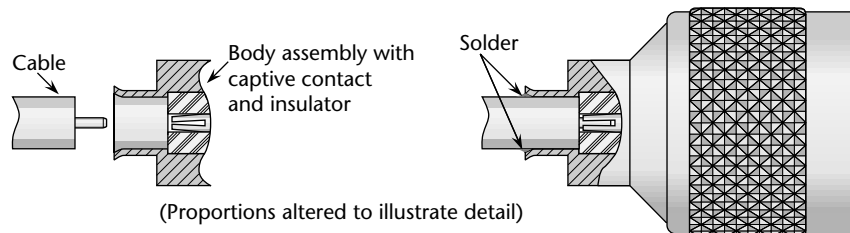
These featured connector technologies grew out of real-world requirements, and have saved our customers untold hours and dollars over the years. And there are thousands of other special connector designs we've produced that we don't have space to include in this catalog. So if you don't see the exact connector configuration you need, please call us—we may have already made it. If not, we'll work with you to provide the the connectors you need, with the best price/performance balance in the business, and with quality and delivery that will enhance your products and production schedules.

Design Features

OneStep connectors for semi-rigid cable.....	4
Panel receptacles with common flange sizes	5
PressMount receptacles.....	5

One-Step Cable Attachment—for Semi-Rigid Cable

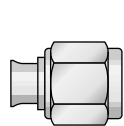
(Available for N and SMA connector series as noted in product pages)



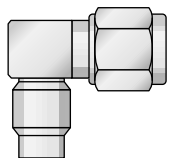
Delta One-Step connectors for semi-rigid cable have captivated contacts and insulators preassembled in the body assembly. With no loose parts to handle, assembly is as simple as trimming the cable (and chamfering the cable center conductor), inserting the cable into the body assembly, and soldering the cable jacket to the connector body.

The internal design of the body assembly automatically maintains the proper gap distance between the center contact and the cable dielectric, ensuring the best electrical performance and eliminating the shimming operation required by connectors with non-captive contacts.

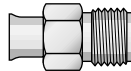
Standard SMA One-Step Configurations



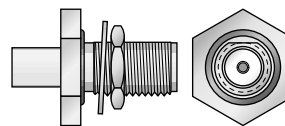
**Straight plug—
page 6**



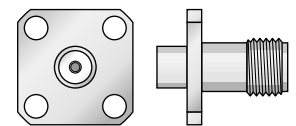
**Right angle plug—
page 6**



**Straight jack—
page 8**



**Bulkhead jack—
page 8**



**Panel jack—
page 8**

Common Flange Sizes Simplify Your Production

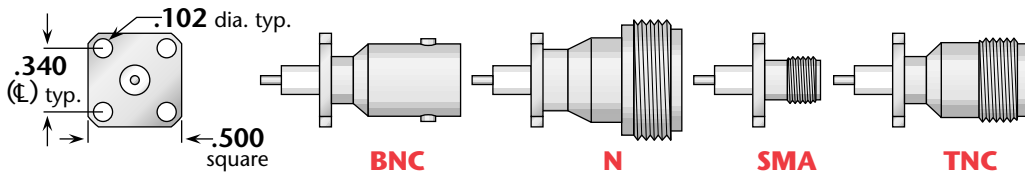
(Available on BNC, N, SMA, TNC, and 7/16 series connectors as noted in product pages)

Does it make sense that you have to drill your components with different mounting hole patterns whenever you need to ship them with a different connector series attached? We didn't think so, either.

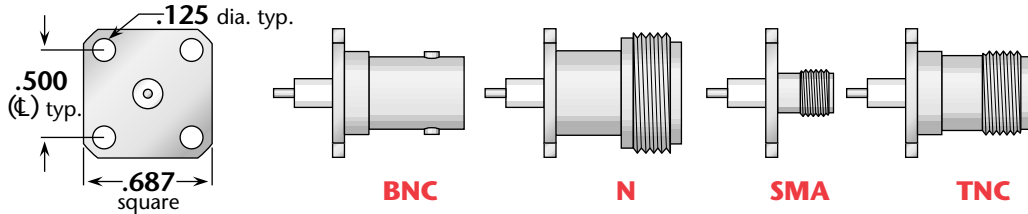
That's why we offer a wide range of connectors in different series with common flange sizes and contact/insulator configurations. Now you can streamline your production process and shorten your delivery cycle—just predrill your components with one mounting hole pattern, and ship them with the connectors your customers require.

Flange Sizes and Available Interfaces

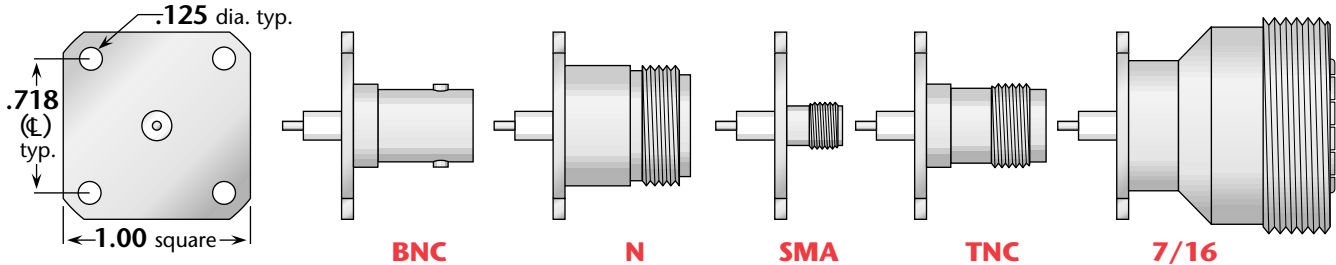
1/2" square flange (Delta mounting figure 05)—standard flange size for SMA



11/16" square flange (Delta mounting figure 09)—standard flange size for BNC, TNC

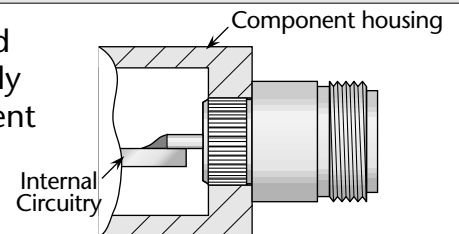


1" square flange (Delta mounting figure 33)—standard flange size for type N

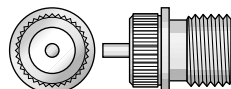


Delta PressMount Receptacles

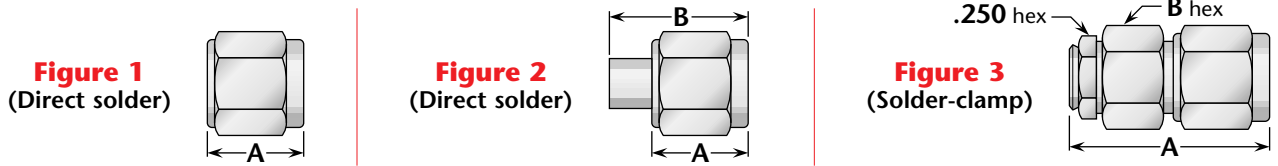
Delta PressMount receptacles eliminate the need for complicated mounting hole patterns and mounting hardware. They are simply pressed into a single through hole, and can be used in component housings as small as the outer diameter of the connector. An integral shoulder provides a positive depth stop during mounting.



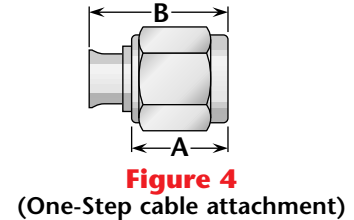
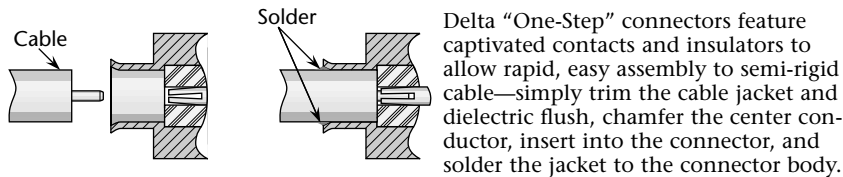
SMA jack
(Solder pot, tab, or post contact—page 17)



Straight Plug—For Semi-Rigid Cable



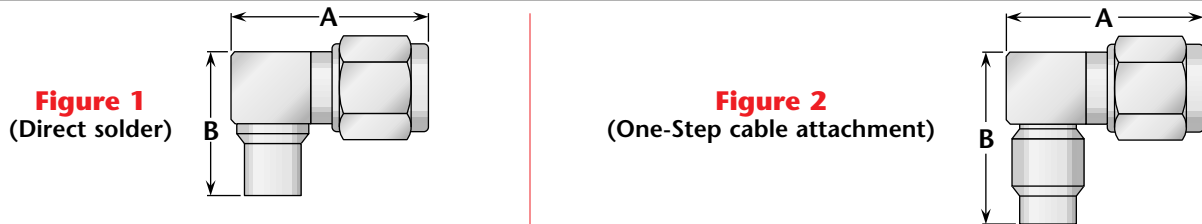
Delta One-Step Cable Attachment for Semi-Rigid Cable



Cable Group	Figure	Dimensions		Plating		Delta P/N	Assembly Procedure/ Trim Code
		A	B	Body	Contact		
13	1	.330	—	Gold	None ⁽²⁾	1301-031-G003	G/01
13	1	.330	—	Gold/PCN ⁽¹⁾	None ⁽²⁾	1301-031-K003	G/01
13	2	.330	.445	Gold	None ⁽²⁾	1301-031-G003-2	G/01
13	2	.330	.445	Gold/PCN ⁽¹⁾	None ⁽²⁾	1301-031-K003-2	G/01
13	2	.330	.445	Gold	Gold	1301-031-G003-3	H/01
13	2	.330	.445	Gold/PCN ⁽¹⁾	Gold	1301-031-K003-12	H/01
13	3	.68	.312	Gold	Gold (C)	1301-031-G007	***
13	4	.330	.430	Gold/PCN ⁽¹⁾	Gold (C)	1301-031-K003-8	I/01
14	2	.330	.445	Gold	Gold	1301-094-G003	H/01
14	2	.330	.445	Gold/PCN ⁽¹⁾	Gold	1301-094-K003	H/01
14	3	.68	.312	Gold	Gold (C)	1301-025-G007	***
14	4	.330	.430	Gold/PCN ⁽¹⁾	Gold (C)	1301-094-K003-1	I/01

(1) Gold-plated body and passivated coupling nut. (2) Cable center conductor used as contact.

Right Angle Plug—For Semi-Rigid Cable



Cable Group	Figure	Dimensions		Plating		Delta P/N	Assembly Procedure/ Trim Code
		A	B	Body	Contact		
13	1	.68	.43	Gold	Gold (C)	1305-031-G003	J/01
13	1	.68	.43	Gold/PCN ⁽¹⁾	Gold (C)	1305-031-K003	J/01
13	2	.57	.58	Gold	Gold (C)	1305-031-G003-2	I/01
13	2	.57	.58	Gold/PCN ⁽¹⁾	Gold (C)	1305-031-K003-4	I/01
14	1	.68	.43	Gold	Gold (C)	1305-025-G003	J/01
14	1	.68	.43	Gold/PCN ⁽¹⁾	Gold (C)	1305-025-K003	J/01
14	2	.57	.58	Gold	Gold (C)	1305-094-G003-3	I/01
14	2	.57	.58	Gold/PCN ⁽¹⁾	Gold (C)	1305-094-K003-5	I/01

(1) Gold-plated body and passivated coupling nut.

***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)

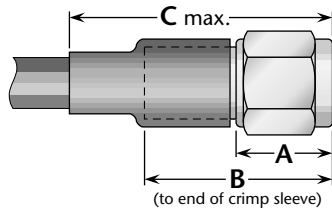
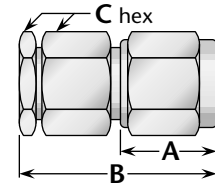


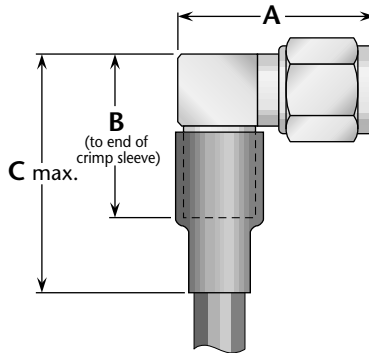
Figure 2
(Clamp type)



Cable Group	Figure	Dimensions			Plating		Delta P/N	Assembly Procedure/ Trim Code
		A	B	C	Body	Contact		
5	1	.330	.70	1.187	Gold	Gold	1303-017-G000	K/02
5	1	.330	.70	1.187	Passivated	Gold	1303-017-K000	K/02
6	1	.330	.70	1.187	Gold	Gold	1303-013-G000	K/02
6	1	.330	.70	1.187	Passivated	Gold	1303-013-K000-2	K/02
9	1	.330	.70	1.187	Gold	Gold	1303-036-G000	K/02
9	1	.330	.70	1.187	Passivated	Gold	1303-036-K000	K/02
10	1	.330	.70	1.187	Gold	Gold	1303-100-G000-2	K/02
10	1	.330	.70	1.187	Passivated	Gold	1303-100-K000-2	K/02
5, 6	2	.330	.75	.312	Gold	Gold (C)	1301-015-G005	***
5, 6	2	.330	.75	.312	Passivated	Gold (C)	1301-015-K005	***
9	2	.330	.75	.312	Gold	Gold (C)	1301-037-G005	***
9	2	.330	.75	.312	Passivated	Gold (C)	1301-037-K005	***

Right Angle Plug—For Flexible Cable

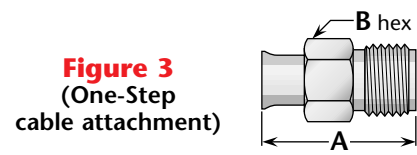
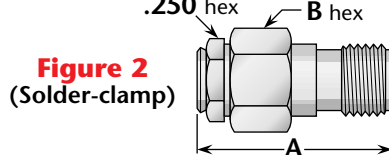
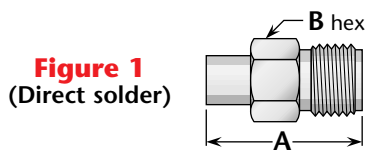
Figure 1
(Crimp type, shown with supplied heat-shrink tubing)



Cable Group	Figure	Dimensions			Plating		Delta P/N	Assembly Procedure/ Trim Code
		A	B	C	Body	Contact		
5	1	.68	.60	1.06	Gold	Gold (C)	1307-017-G001	L/03
5	1	.68	.60	1.06	Passivated	Gold (C)	1307-017-K001	L/03
6	1	.68	.60	1.06	Gold	Gold (C)	1307-013-G001	L/03
6	1	.68	.60	1.06	Passivated	Gold (C)	1307-013-K001	L/03
9	1	.68	.60	1.06	Gold	Gold (C)	1307-036-G001	L/03
9	1	.68	.60	1.06	Passivated	Gold (C)	1307-036-K001	L/03
10	1	.68	.60	1.06	Gold	Gold (C)	1307-100-G001	L/03
10	1	.68	.60	1.06	Passivated	Gold (C)	1307-100-K001	L/03
11	1	.68	.60	1.06	Gold	Gold (C)	1307-038-G001	L/03
11	1	.68	.60	1.06	Passivated	Gold (C)	1307-038-K001	L/03

***Contact factory for cable assembly instructions. • (C) in contact plating column indicates captive contact.

Straight Jack—For Semi-Rigid Cable



Cable Group	Figure	Dimensions			Plating		Delta P/N	Assembly Procedure/ Trim Code
		A	B	Body	Contact			
13	1	.500	.250	Gold	Gold	1308-031-G003-2	H/01	
13	2	.68	.312	Gold	Gold (C)	1308-031-G007	***	
13	3	.500	.250	Gold	Gold (C)	1308-031-G003-4	I/01	
14	1	.500	.250	Gold	Gold	1308-094-G003	H/01	
14	2	.68	.312	Gold	Gold (C)	1308-025-G007	***	
14	3	.500	.250	Gold	Gold (C)	1308-094-G003-1	I/01	

Panel and Bulkhead Jacks—For Semi-Rigid Cable

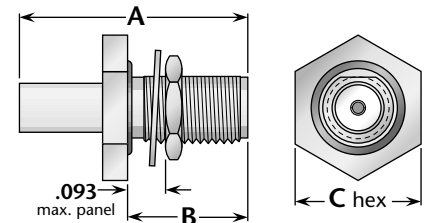
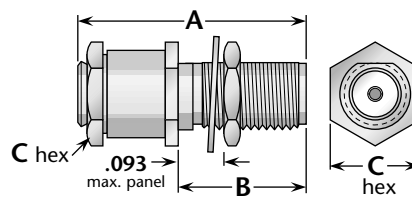
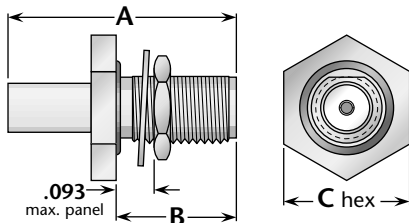
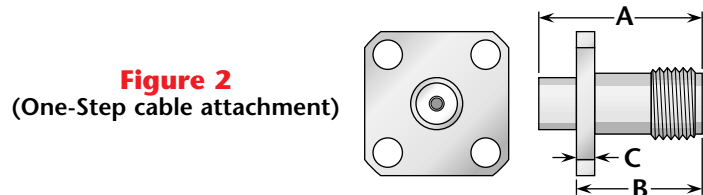
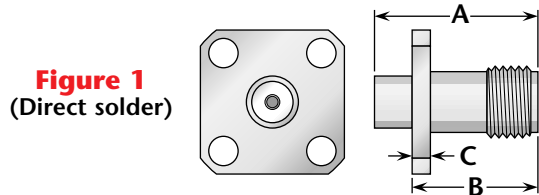
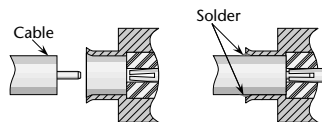


Figure 3
(Direct solder,
with mounting gasket)

Figure 4
(Solder-clamp,
no mounting gasket)

Figure 5
(One-Step cable attachment,
with mounting gasket)

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/ Trim Code
		A	B	C		Body	Contact		
13	1	.560	.375	.065	05	Gold	Gold	1311-031-G053	H/01
13	2	.500	.375	.065	05	Gold	Gold (C)	1311-031-G053-3	I/01
13	3	.75	.415	.437	67	Gold	Gold	1317-031-G673	H/02
13	4	.75	.440	.312	67	Gold	Gold (C)	1317-031-G677	***
13	5	.70	.415	.437	67	Gold	Gold (C)	1317-031-G673-3	I/01
14	1	.500	.375	.065	05	Gold	Gold	1311-025-G053	H/01
14	2	.500	.375	.065	05	Gold	Gold (C)	1311-025-G053-1	I/01
14	3	.75	.415	.437	67	Gold	Gold	1317-025-G673	H/02
14	4	.75	.440	.312	67	Gold	Gold (C)	1317-025-G677	***
14	5	.75	.415	.437	67	Gold	Gold (C)	1317-025-G673-1	I/01

***Contact factory for cable assembly instructions. • (C) in contact plating column indicates captive contact.

Straight Jack—For Flexible Cable

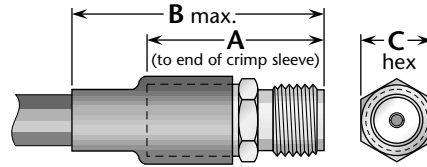


Figure 1
(Crimp type, shown with supplied heat-shrink tubing)

Cable Group	Figure	Dimensions			Plating		Delta P/N	Assembly Procedure/ Trim Code
		A	B	C	Body	Contact		
5	1	.80	1.125	.25	Gold	Gold	1308-017-G000	K/03
5	1	.80	1.125	.25	Passivated	Gold	1308-017-K000	K/03
6	1	.80	1.125	.25	Gold	Gold	1308-013-G000	K/03
6	1	.80	1.125	.25	Passivated	Gold	1308-013-K000	K/03
9	1	.80	1.125	.25	Gold	Gold	1308-037-G000	K/03
9	1	.80	1.125	.25	Passivated	Gold	1308-037-K000	K/03

Bulkhead Jack—For Flexible Cable

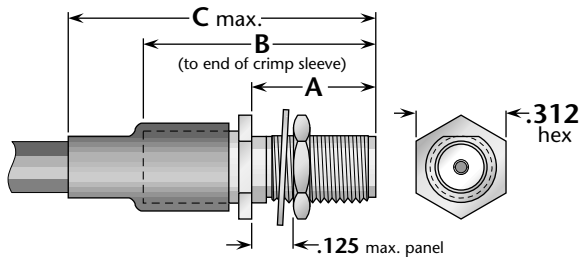


Figure 1
(Crimp type, shown with supplied heat-shrink tubing)

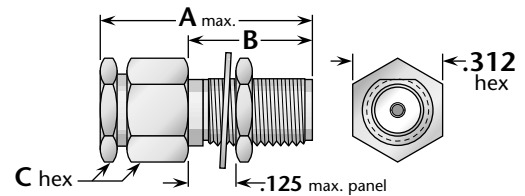


Figure 2
(Clamp type)

Cable Group	Fig.	Dimensions			Mounting Figure	Plating		Delta P/N	Assembly Procedure/ Trim Code
		A	B	C		Body	Contact		
5	1	.450	.94	1.25	67	Gold	Gold	1319-017-G670	K/04
5	1	.450	.94	1.25	67	Passivated	Gold	1319-017-K670	K/04
6	1	.450	.94	1.25	67	Gold	Gold	1319-013-G670	K/04
6	1	.450	.94	1.25	67	Passivated	Gold	1319-013-K670	K/04
9	1	.450	.94	1.25	67	Gold	Gold	1319-037-G670	K/04
9	1	.450	.94	1.25	67	Passivated	Gold	1319-037-K670	K/04
10	1	.450	.94	1.25	67	Gold	Gold	1319-100-G670	K/04
10	1	.450	.94	1.25	67	Passivated	Gold	1319-100-K670	K/04
5, 6	2	.850	.450	.312	67	Gold	Gold (C)	1316-015-G675	***
5, 6	2	.850	.450	.312	67	Passivated	Gold (C)	1316-015-K675	***
9	2	.850	.450	.312	67	Gold	Gold (C)	1316-037-G675	***
9	2	.850	.450	.312	67	Passivated	Gold (C)	1316-037-K675	***

***Contact factory for cable assembly instructions. • (C) in contact plating column indicates captive contact.

Panel Jack Receptacle—Solder Pot Contact

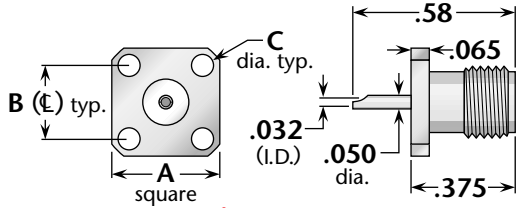


Figure 1
(3/8" square flange)

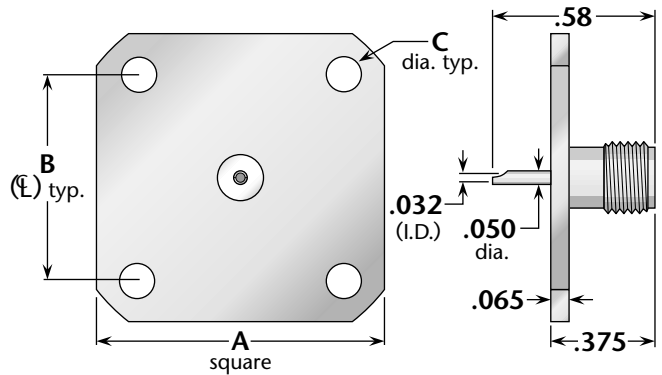


Figure 4
(1" square flange, interchangeable with type N standard flange size)

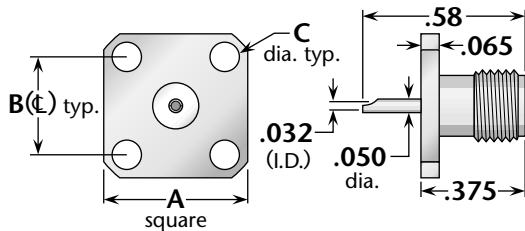


Figure 2
(1/2" square flange, SMA standard flange size)

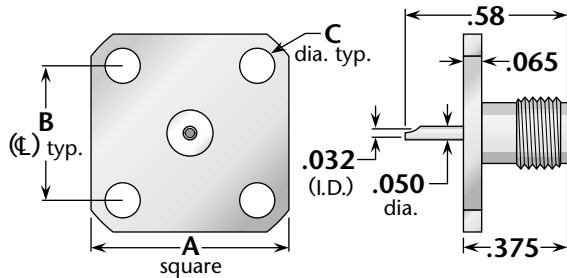


Figure 3
(11/16" square flange, interchangeable with BNC and TNC standard flange size)

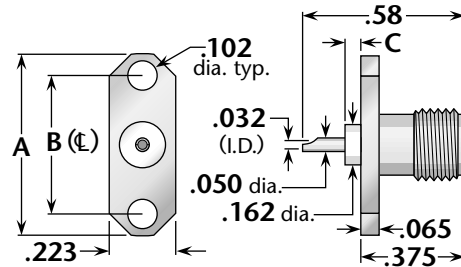


Figure 5
(2-hole flange)

Figure	Dimensions			Mounting Figure	Plating		Delta P/N
	A	B	C		Body	Contact	
1	.375	.250	.067	91	Gold	Gold (C)	1313-000-G911
1	.375	.250	.067	91	Passivated	Gold (C)	1313-000-K911
2	.500	.340	.102	05	Gold	Gold (C)	1313-000-G051
2	.500	.340	.102	05	Passivated	Gold (C)	1313-000-K051-2
3	.687	.500	.125	09	Gold	Gold (C)	1313-000-G091
3	.687	.500	.125	09	Passivated	Gold (C)	1313-000-K091
4	1.00	.718	.125	33	Gold	Gold (C)	1313-000-G331
4	1.00	.718	.125	33	Passivated	Gold (C)	1313-000-K331
5	.625	.481	.025	92	Gold	Gold (C)	1313-000-G921
5	.625	.481	.025	92	Passivated	Gold (C)	1313-000-K921
5	.625	.481	.000	92	Gold	Gold (C)	1313-000-G921-2
5	.625	.481	.000	92	Passivated	Gold (C)	1313-000-K921-2

(C) in contact plating column indicates captive contact (epoxy captivated).

Panel Jack Receptacle—Tab Contact

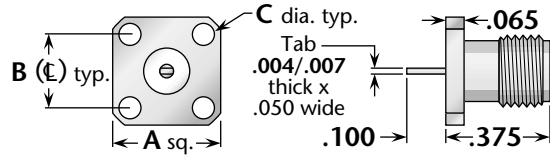


Figure 1
(3/8" square flange)

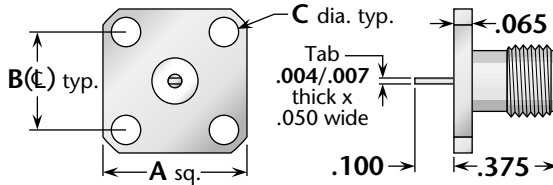


Figure 2
(1/2" square flange, SMA standard flange size)

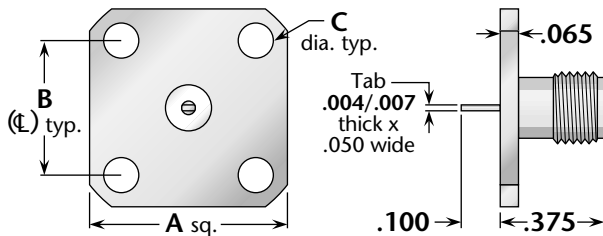


Figure 3
(11/16" square flange, interchangeable with BNC and TNC standard flange size)

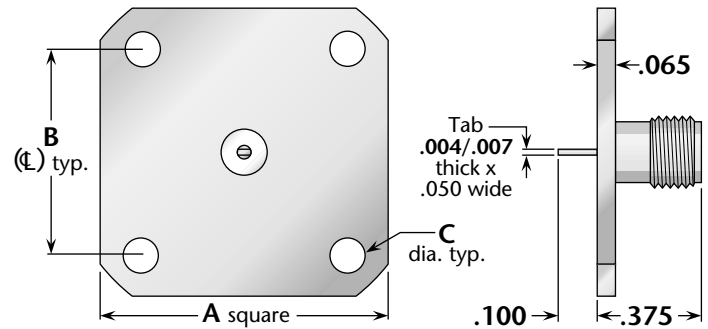


Figure 4
(1" square flange, interchangeable with type N standard flange size)

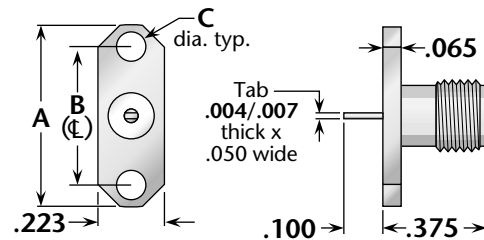


Figure 5
(2-hole flange)

Figure	Dimensions			Mounting Figure	Plating		Delta P/N
	A	B	C		Body	Contact	
1	.375	.250	.067	91	Gold	Gold	1358-000-G910-2
1	.375	.250	.067	91	Passivated	Gold	1358-000-K910-2
1	.375	.250	.067	91	Gold	Gold (C)	1358-000-G911-59
1	.375	.250	.067	91	Passivated	Gold (C)	1358-000-K911-59
2	.500	.340	.102	05	Gold	Gold	1358-000-G050-5
2	.500	.340	.102	05	Passivated	Gold	1358-000-K050-5
2	.500	.340	.102	05	Gold	Gold (C)	1358-000-G051-3
2	.500	.340	.102	05	Passivated	Gold (C)	1358-000-K051-3
3	.687	.500	.125	09	Gold	Gold	1358-000-G090-1
3	.687	.500	.125	09	Passivated	Gold	1358-000-K090-1
3	.687	.500	.125	09	Gold	Gold (C)	1358-000-G091-8
3	.687	.500	.125	09	Passivated	Gold (C)	1358-000-K091-8
4	1.00	.718	.125	33	Gold	Gold	1358-000-G330-1
4	1.00	.718	.125	33	Passivated	Gold	1358-000-K330-1
4	1.00	.718	.125	33	Gold	Gold (C)	1358-000-G331-2
4	1.00	.718	.125	33	Passivated	Gold (C)	1358-000-K331-2
5	.625	.481	.102	92	Gold	Gold	1358-000-G920-3
5	.625	.481	.102	92	Passivated	Gold	1358-000-K920-3
5	.625	.481	.102	92	Gold	Gold (C)	1358-000-G921-63
5	.625	.481	.102	92	Passivated	Gold (C)	1358-000-K921-63

(C) in contact plating column indicates captive contact (epoxy captivated).

Panel Jack Receptacle—Slotted Contact

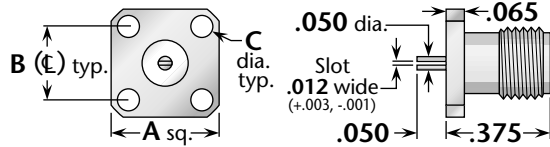


Figure 1
(3/8" square flange)

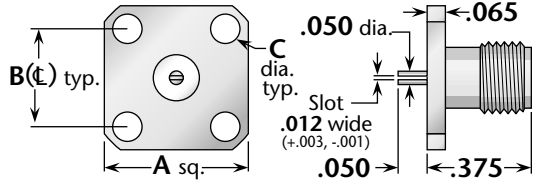


Figure 2
(1/2" square flange, SMA standard flange size)

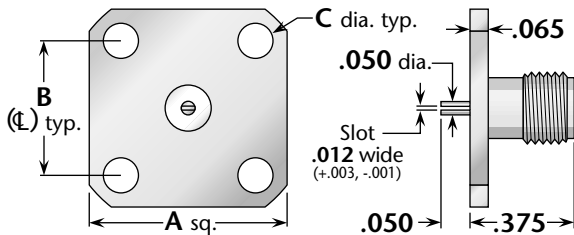


Figure 3
(11/16" square flange, interchangeable with BNC and TNC standard flange size)

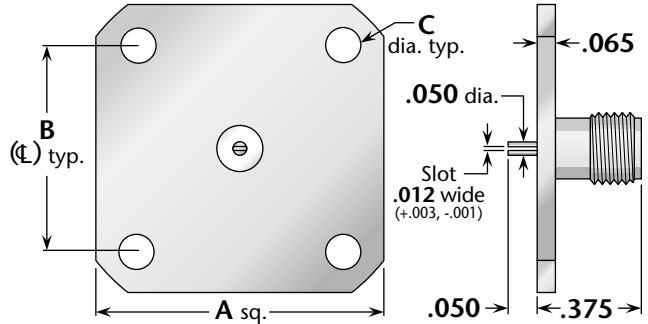


Figure 4
(1" square flange, interchangeable with type N standard flange size)

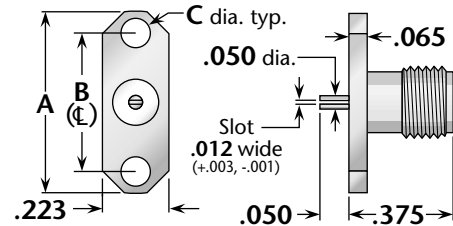


Figure 5
(2-hole flange)

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	1343-000-G910-3
1	.375	.250	.067	91	Passivated	Gold	1343-000-K910-3
1	.375	.250	.067	91	Gold	Gold (C)	1343-000-G911-6
1	.375	.250	.067	91	Passivated	Gold (C)	1343-000-K911-6
2	.500	.340	.102	05	Gold	Gold	1343-000-G050-6
2	.500	.340	.102	05	Passivated	Gold	1343-000-K050-6
2	.500	.340	.102	05	Gold	Gold (C)	1343-000-G051-21
2	.500	.340	.102	05	Passivated	Gold (C)	1343-000-K051-21
3	.687	.500	.125	09	Gold	Gold	1343-000-G090-1
3	.687	.500	.125	09	Passivated	Gold	1343-000-K090-1
3	.687	.500	.125	09	Gold	Gold (C)	1343-000-G091-6
3	.687	.500	.125	09	Passivated	Gold (C)	1343-000-K091-6
4	1.00	.718	.125	33	Gold	Gold	1343-000-G330-6
4	1.00	.718	.125	33	Passivated	Gold	1343-000-K330-6
4	1.00	.718	.125	33	Gold	Gold (C)	1343-000-G331-11
4	1.00	.718	.125	33	Passivated	Gold (C)	1343-000-K331-11
5	.625	.481	.102	92	Gold	Gold	1343-000-G920-4
5	.625	.481	.102	92	Passivated	Gold	1343-000-K920-4
5	.625	.481	.102	92	Gold	Gold (C)	1343-000-G921-6
5	.625	.481	.102	92	Passivated	Gold (C)	1343-000-K921-6

(C) in contact plating column indicates captive contact (epoxy captivated).

Panel Jack Receptacle—Post Contact

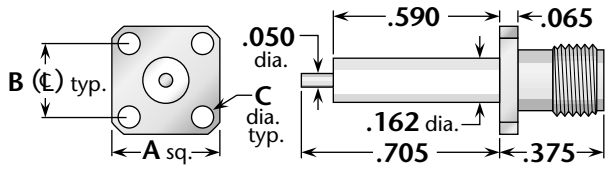


Figure 1
(3/8" square flange)

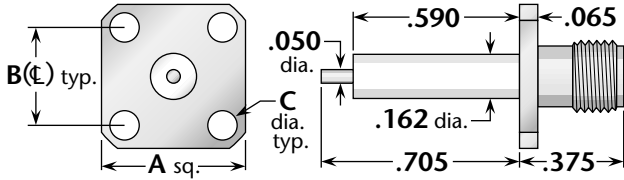


Figure 2
(1/2" square flange, SMA standard flange size)

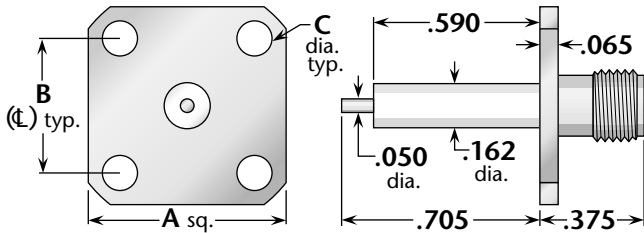


Figure 3
(11/16" square flange, interchangeable with BNC and TNC standard flange size)

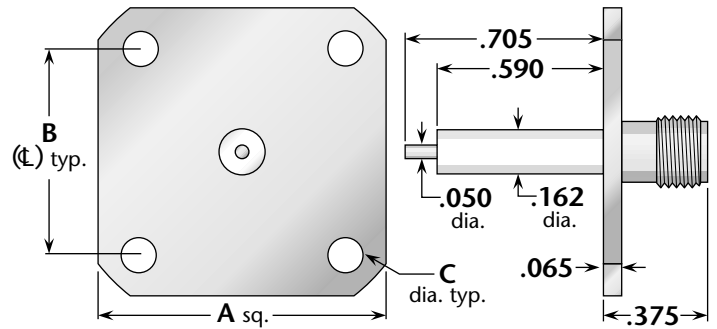


Figure 4
(1" square flange, interchangeable with type N standard flange size)

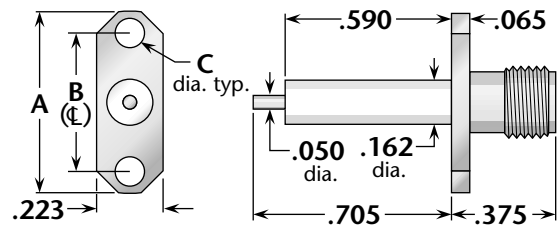


Figure 5
(2-hole flange)

Figure	Dimensions			Mounting Figure	Plating		Delta P/N
	A	B	C		Body	Contact	
1	.375	.250	.067	91	Gold	Gold	1358-000-G910-3
1	.375	.250	.067	91	Passivated	Gold	1358-000-K910-3
1	.375	.250	.067	91	Gold	Gold (C)	1358-000-G911-61
1	.375	.250	.067	91	Passivated	Gold (C)	1358-000-K911-61
2	.500	.340	.102	05	Gold	Gold	1358-000-G050
2	.500	.340	.102	05	Passivated	Gold	1358-000-K050-4
2	.500	.340	.102	05	Gold	Gold (C)	1358-000-G051
2	.500	.340	.102	05	Passivated	Gold (C)	1358-000-K051
3	.687	.500	.125	09	Gold	Gold	1358-000-G090
3	.687	.500	.125	09	Passivated	Gold	1358-000-K090
3	.687	.500	.125	09	Gold	Gold (C)	1358-000-G091-14
3	.687	.500	.125	09	Passivated	Gold (C)	1358-000-K091-14
4	1.00	.718	.125	33	Gold	Gold	1358-000-G330
4	1.00	.718	.125	33	Passivated	Gold	1358-000-K330
4	1.00	.718	.125	33	Gold	Gold (C)	1358-000-G331-3
4	1.00	.718	.125	33	Passivated	Gold (C)	1358-000-K331-3
5	.625	.481	.102	92	Gold	Gold	1358-000-G920
5	.625	.481	.102	92	Passivated	Gold	1358-000-K920
5	.625	.481	.102	92	Gold	Gold (C)	1358-000-G921-10
5	.625	.481	.102	92	Passivated	Gold (C)	1358-000-K921-10

(C) in contact plating column indicates captive contact (epoxy captivated).

Panel Jack Receptacle—Post Contact (For Microstrip)

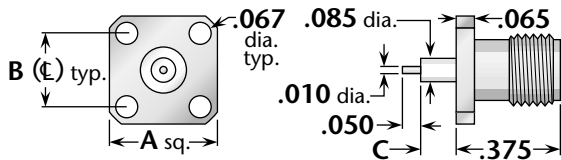


Figure 1
(3/8" square flange)

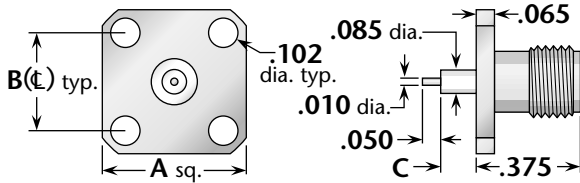


Figure 2
(1/2" square flange, SMA standard flange size)

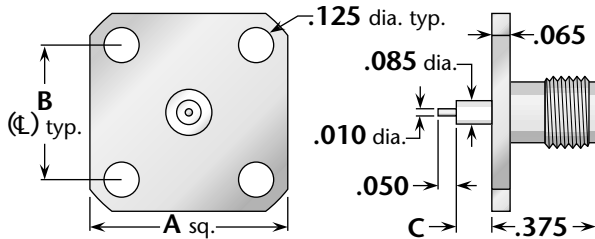


Figure 3
(11/16" square flange, interchangeable with BNC and TNC standard flange size)

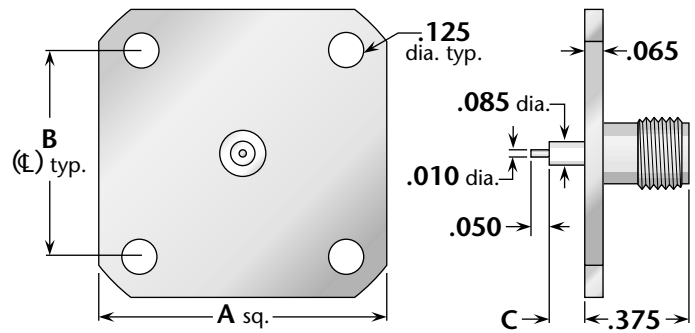


Figure 4
(1" square flange, interchangeable with type N standard flange size)

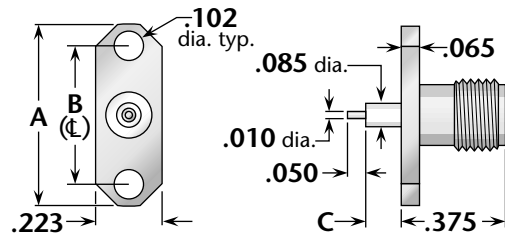


Figure 5
(2-hole flange)

Figure	Dimensions			Mounting Figure	Plating		Delta P/N
	A	B	C		Body	Contact	
1	.375	.250	.057	91	Gold	Gold (C)	1358-000-G911-14
1	.375	.250	.057	91	Passivated	Gold (C)	1358-000-K911-14
1	.375	.250	.125	91	Gold	Gold (C)	1358-000-G911-85
1	.375	.250	.125	91	Passivated	Gold (C)	1358-000-K911-85
2	.500	.340	.057	05	Gold	Gold (C)	1358-000-G051-19
2	.500	.340	.057	05	Passivated	Gold (C)	1358-000-K051-19
2	.500	.340	.125	05	Gold	Gold (C)	1358-000-G051-128
2	.500	.340	.125	05	Passivated	Gold (C)	1358-000-K051-128
3	.687	.500	.057	09	Gold	Gold (C)	1358-000-G091-15
3	.687	.500	.057	09	Passivated	Gold (C)	1358-000-K091-15
3	.687	.500	.125	09	Gold	Gold (C)	1358-000-G091-16
3	.687	.500	.125	09	Passivated	Gold (C)	1358-000-K091-16
4	1.00	.718	.057	33	Gold	Gold (C)	1358-000-G331-4
4	1.00	.718	.057	33	Passivated	Gold (C)	1358-000-K331-4
4	1.00	.718	.125	33	Gold	Gold (C)	1358-000-G331-5
4	1.00	.718	.125	33	Passivated	Gold (C)	1358-000-K331-5
5	.625	.481	.057	92	Gold	Gold (C)	1358-000-G051-35
5	.625	.481	.057	92	Passivated	Gold (C)	1358-000-K051-35
5	.625	.481	.125	92	Gold	Gold (C)	1358-000-G051-34
5	.625	.481	.125	92	Passivated	Gold (C)	1358-000-K051-34

(C) in contact plating column indicates captive contact (epoxy captivated).

Right Angle Panel Jack Receptacle

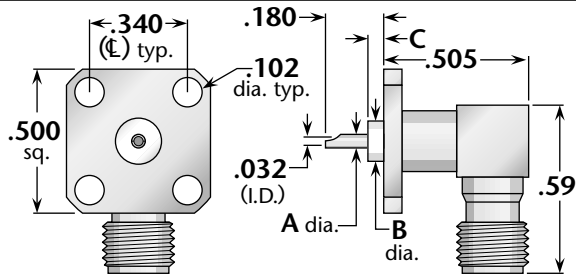


Figure 1 (Solder pot contact)

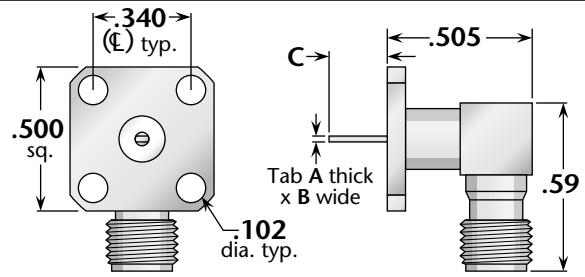


Figure 2 (Tab contact)

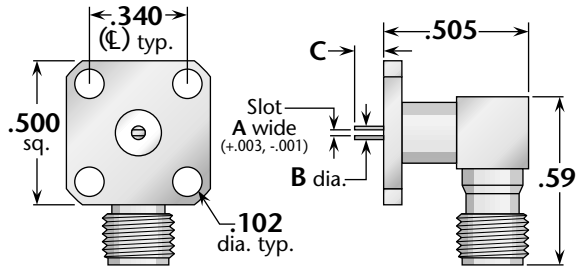


Figure 3 (Slotted contact)

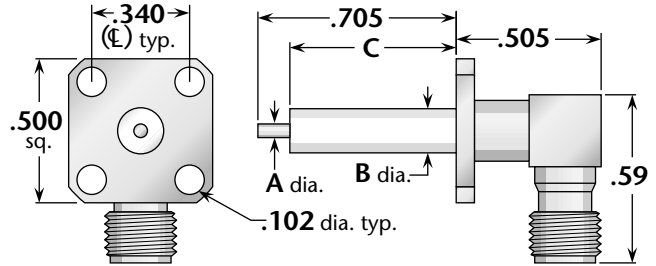


Figure 4 (Post contact)

Figure	Dimensions			Mounting Figure	Plating		Delta P/N
	A	B	C		Body	Contact	
1	.050	.162	.062	05	Gold	Gold (C)	1315-000-G050
1	.050	.162	.062	05	Passivated	Gold (C)	1315-000-K050
2	.004/.007	.050	.100	05	Gold	Gold (C)	1364-000-G051-15
2	.004/.007	.050	.100	05	Passivated	Gold (C)	1364-000-K051-15
3	.012	.050	.102	05	Gold	Gold (C)	1366-000-G051-17
3	.012	.050	.050	05	Passivated	Gold (C)	1366-000-K051-17
3	.018	.050	.050	05	Gold	Gold (C)	1366-000-G051-18
3	.018	.050	.050	05	Passivated	Gold (C)	1366-000-K051-18
3	.036	.050	.050	05	Gold	Gold (C)	1366-000-G051-19
3	.036	.050	.050	05	Passivated	Gold (C)	1366-000-K051-19
4	.050	.162	.590	05	Gold	Gold (C)	1364-000-G051-16
4	.050	.162	.590	05	Passivated	Gold (C)	1364-000-K051-16

Stripline Receptacle

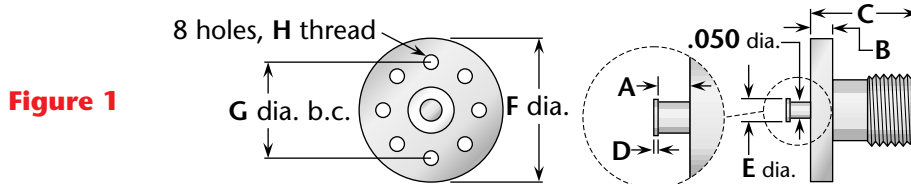
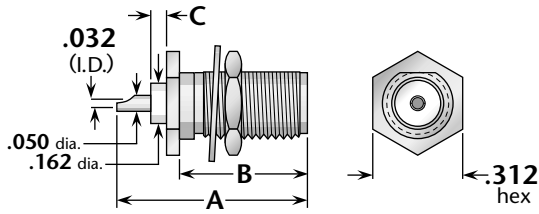


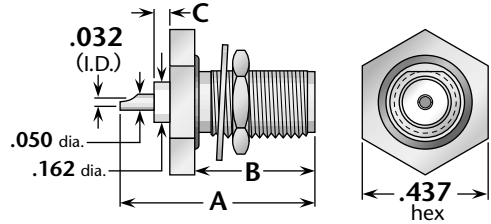
Figure	Dimensions								Plating		Delta P/N
	A	B	C	D	E	F	G	H	Body	Contact	
1	.031	.085	.375	.010	.072	.562	.438	#2-56	Gold	Gold	1357-000-G000-12
1	.031	.085	.375	.010	.072	.562	.438	#2-56	Passivated	Gold	1357-000-K000-12
1	.063	.085	.375	.010	.072	.562	.438	#2-56	Gold	Gold	1357-000-G000-2
1	.063	.085	.375	.010	.072	.562	.438	#2-56	Passivated	Gold	1357-000-K000-2
1	.125	.085	.375	.010	.072	.562	.438	#2-56	Gold	Gold	1357-000-G000-6
1	.125	.085	.375	.010	.072	.562	.438	#2-56	Passivated	Gold	1357-000-K000-6

(C) in contact plating column indicates captive contact (epoxy captivated).

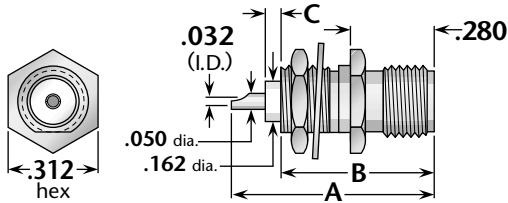
Bulkhead Jack Receptacles


Figure 1

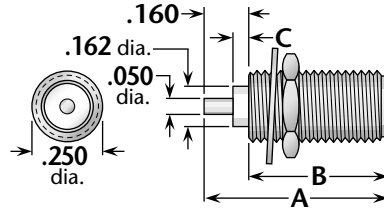
(Rear mount, solder pot contact, no mounting gasket)


Figure 2

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


Figure 3

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


Figure 4

(Round body, post contact)

Figure	Dimensions			Max. Panel	Mounting Figure	Plating		Delta P/N
	A	B	C			Body	Contact	
1	.67	.450	.000	.125	67	Gold	Gold (C)	1320-000-G671
1	.67	.450	.000	.125	67	Passivated	Gold (C)	1320-000-K671
1	.67	.450	.062	.125	67	Gold	Gold (C)	1320-000-G821-2
1	.67	.450	.062	.125	67	Passivated	Gold (C)	1320-000-K821
2	.67	.415	.062	.093	67	Gold	Gold (C)	1320-000-G821
2	.67	.415	.062	.093	67	Passivated	Gold (C)	1320-000-K821-11
3	.67	.500	.062	.125	67	Gold	Gold (C)	1320-000-G671-5
3	.67	.500	.062	.125	67	Passivated	Gold (C)	1320-000-K671-5
4	.66	.500	.076	.125	82	Gold	Gold	1321-000-G820-3
4	.66	.500	.076	.125	82	Passivated	Gold	1321-000-K820-3
4	.66	.500	.076	.125	82	Gold	Gold (C)	1321-000-G821
4	.66	.500	.076	.125	82	Passivated	Gold (C)	1321-000-K821-14
4	.66	.500	.000	.125	82	Gold	Gold (C)	1321-000-G821-65
4	.66	.500	.000	.125	82	Passivated	Gold (C)	1321-000-K821-65

Printed-Circuit Board Receptacles—Through-Hole Mount

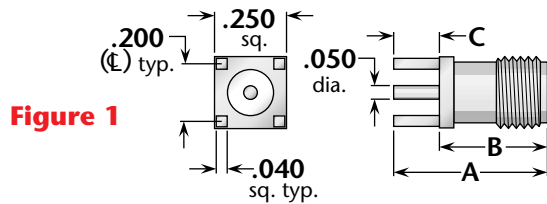
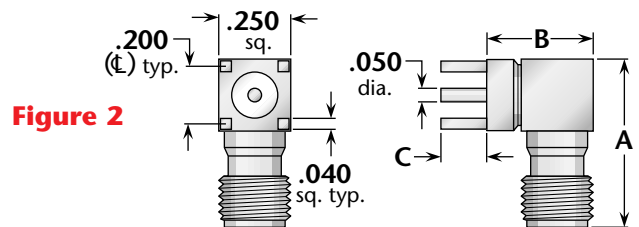

Figure 1

Figure 2

Figure	Dimensions			Max. Board	Mounting Figure	Plating		Delta P/N
	A	B	C			Body	Contact	
1	.53	.375	.155	.125	PCB05	Gold	Gold (C)	1367-000-G911
2	.583	.375	.155	.125	PCB05	Gold	Gold (C)	1369-000-G000

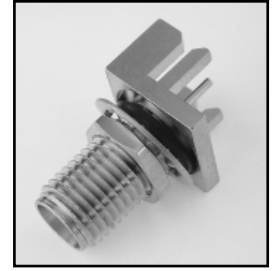
(C) in contact plating column indicates captive contact (epoxy captivated).

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.

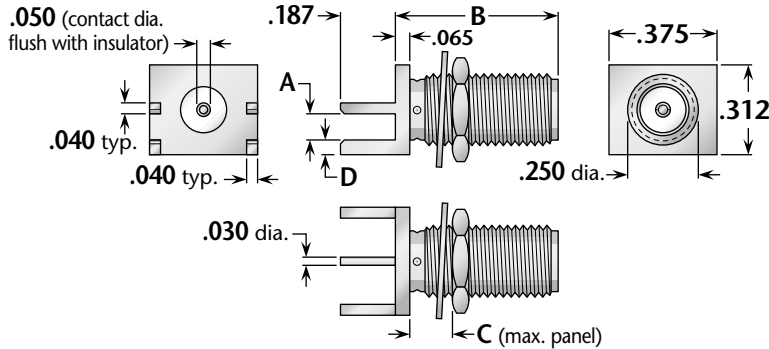
In addition, styles with bulkhead mounting allow P.C. boards to be attached directly to component housings or panels, eliminating the expense of adapters, cable assemblies, and/or additional board mounting hardware. Bulkhead mounted types are available with mounting gaskets as an option (see picture).

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)	1367-000-G91P-21
.047	.053	.500	.125	.088	Gold	Gold (C)	1367-000-G91P-22
.062	.068	.500	.125	.073	Gold	Gold (C)	1367-000-G91P-6
.062	.068	.820	.425	.073	Gold	Gold (C)	1367-000-G91P-23

Edge Mount P.C. Board Receptacles—Straight Jacks

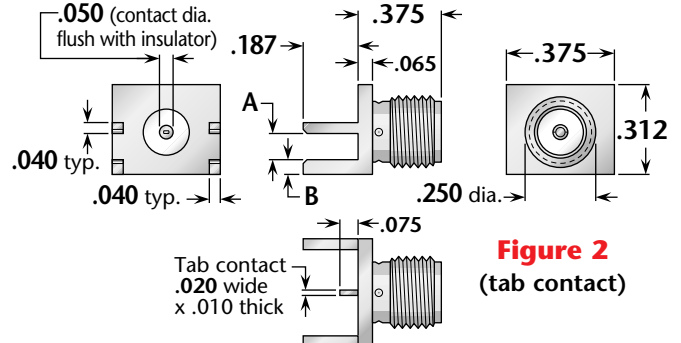
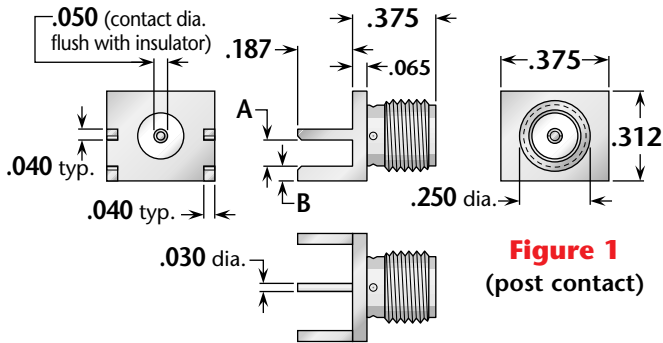
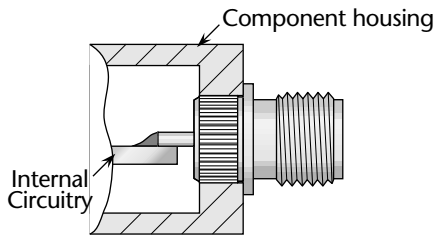


Figure	Board Thickness	Dimensions		Plating		Delta P/N
		A	B	Body	Contact	
1	.042	.048	.093	Gold	Gold (C)	1367-000-G91P-26
1	.047	.053	.088	Gold	Gold (C)	1367-000-G91P-27
1	.062	.068	.073	Gold	Gold (C)	1367-000-G91P
2	.042	.048	.103	Gold	Gold (C)	1367-000-G91P-24
2	.047	.053	.098	Gold	Gold (C)	1367-000-G91P-25
2	.062	.068	.083	Gold	Gold (C)	1367-000-G91P-20

PressMount 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.

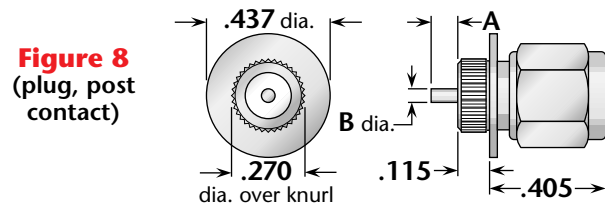
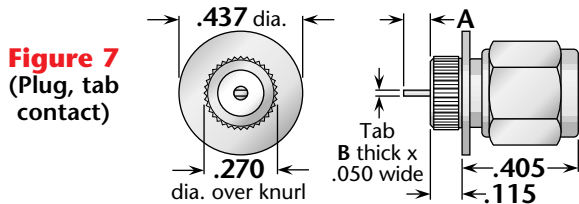
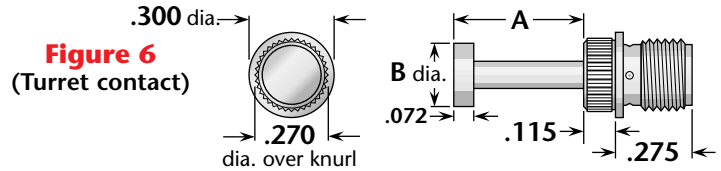
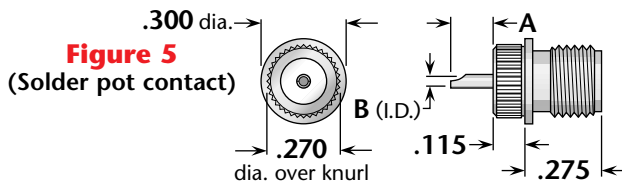
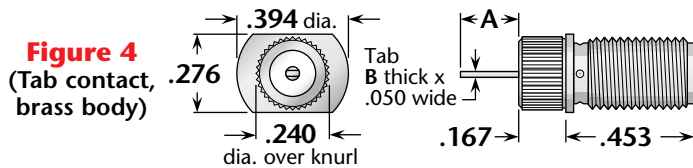
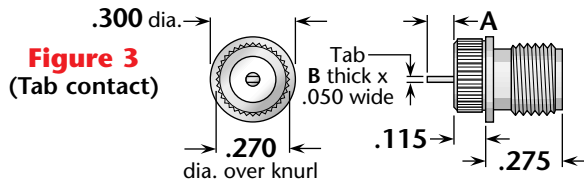
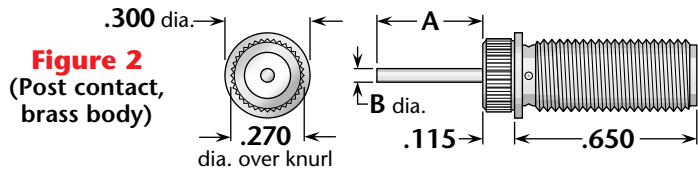
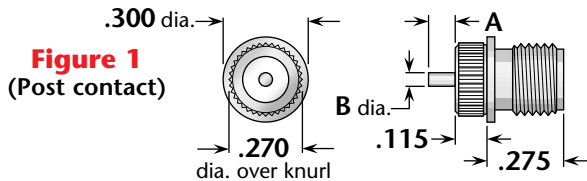


Figure	Dimensions		Min. Panel	Mounting Hole	Plating		Delta P/N
	A	B			Body	Contact	
1	.062	.050	.100	.267 ±.001 dia.	Passivated	Gold (C)	1320-000-K911-2
2	.390	.050	.100	.267 ±.001 dia.	Gold	Gold (C)	1320-000-G911-76
3	.100	.005/.008	.100	.267 ±.001 dia.	Passivated	Gold (C)	1320-000-K911-3
4	.120	.005/.008	.100	.237 ±.001 dia.	Gold	Gold (C)	1320-000-G911-84
5	.200	.032	.100	.267 ±.001 dia.	Passivated	Gold (C)	1320-000-K911-4
6	.465	.250	.100	.267 ±.001 dia.	Gold	Gold (C)	1320-000-G911-85
6	.425	.250	.100	.267 ±.001 dia.	Gold	Gold (C)	1320-000-G911-78
7	.100	.005/.008	.100	.267 ±.001 dia.	Passivated	Gold (C)	1324-000-K911-3
8	.062	.050	.100	.267 ±.001 dia.	Passivated	Gold (C)	1324-000-K911-2

(C) in contact plating column indicates captive contact (epoxy captivated).

Edge Mount P.C. Board Receptacles—Straight Plugs

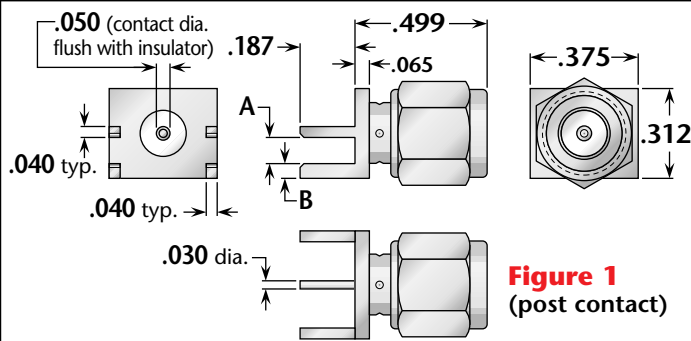


Figure 1
(post contact)

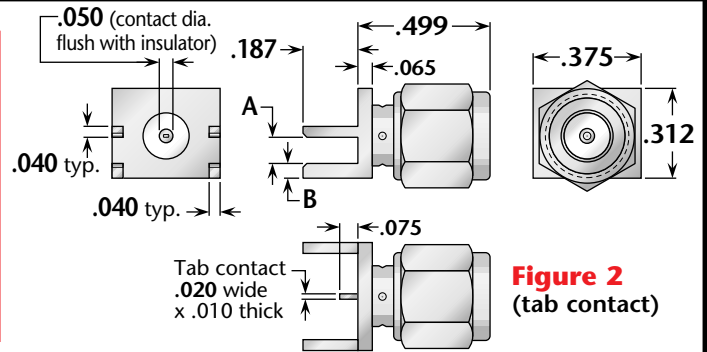


Figure 2
(tab contact)

Figure	Board Thickness	Dimensions		Plating		Delta P/N
		A	B	Body	Contact	
1	.042	.048	.093	Gold	Gold (C)	1368-000-G91P-4
1	.047	.053	.088	Gold	Gold (C)	1368-000-G91P-5
1	.062	.068	.073	Gold	Gold (C)	1368-000-G91P-6
2	.042	.048	.103	Gold	Gold (C)	1368-000-G91P-1
2	.047	.053	.098	Gold	Gold (C)	1368-000-G91P-2
2	.062	.068	.083	Gold	Gold (C)	1368-000-G91P-3

Panel Plug Receptacle—Solder Pot Contact

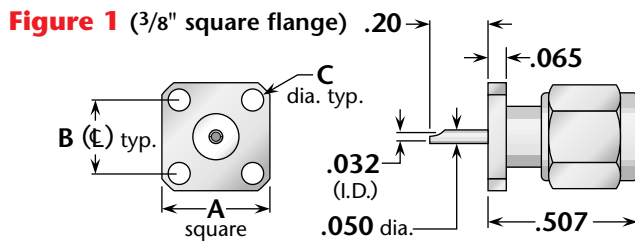


Figure 1 (3/8" square flange)

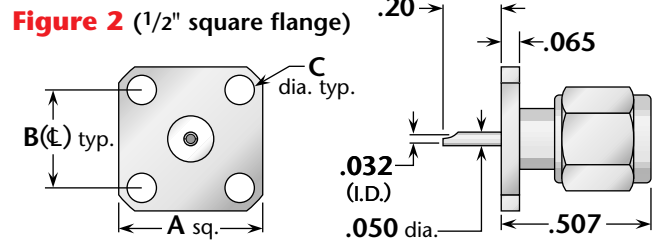


Figure 2 (1/2" square flange)

Figure 3 (2-hole flange)

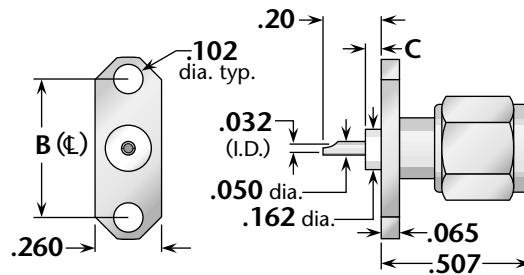


Figure	Dimensions			Mounting Figure	Plating		Delta P/N
	A	B	C		Body	Contact	
1	.375	.250	.067	91	Gold	Gold (C)	1359-000-G911-13
1	.375	.250	.067	91	Passivated	Gold (C)	1359-000-K911-13
2	.500	.340	.102	05	Gold	Gold (C)	1359-000-G051-10
2	.500	.340	.102	05	Passivated	Gold (C)	1359-000-K051-10
3	.625	.481	.000	92A	Gold	Gold (C)	1359-000-G921-17
3	.625	.481	.000	92A	Passivated	Gold (C)	1359-000-K921-17
3	.625	.481	.025	92A	Passivated	Gold (C)	1359-000-G921-18
3	.625	.481	.025	92A	Passivated	Gold (C)	1359-000-K921-18

(C) in contact plating column indicates captive contact (epoxy captivated).

Panel Plug Receptacle—Tab Contact

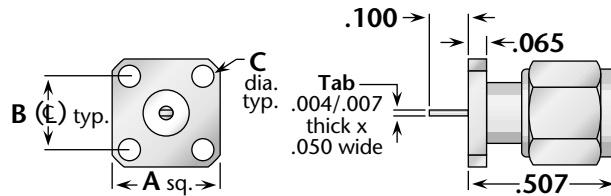


Figure 1
($3/8$ " square flange)

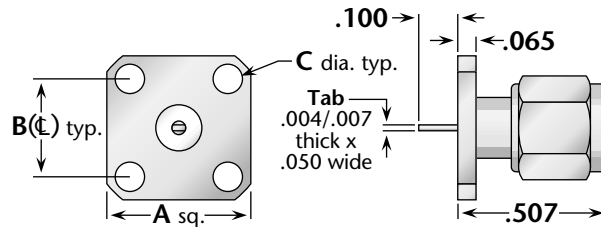


Figure 2
($1/2$ " square flange)

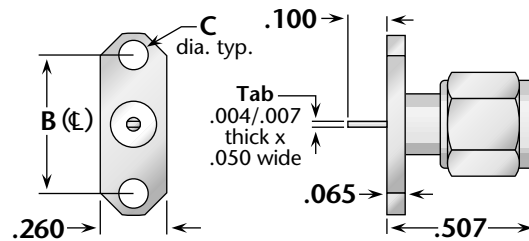


Figure 3
(2-hole flange)

Figure	Dimensions			Mounting Figure	Plating		Delta P/N
	A	B	C		Body	Contact	
1	.375	.250	.067	91	Gold	Gold	1359-000-G910-2
1	.375	.250	.067	91	Passivated	Gold	1359-000-K910-2
1	.375	.250	.067	91	Gold	Gold (C)	1359-000-G911-14
1	.375	.250	.067	91	Passivated	Gold (C)	1359-000-K911-14
2	.500	.340	.102	05	Gold	Gold	1359-000-G050-5
2	.500	.340	.102	05	Passivated	Gold	1359-000-K050-5
2	.500	.340	.102	05	Gold	Gold (C)	1359-000-G051-45
2	.500	.340	.102	05	Passivated	Gold (C)	1359-000-K051-45
3	.625	.481	.102	92A	Gold	Gold	1359-000-G920-1
3	.625	.481	.102	92A	Passivated	Gold	1359-000-K920-1
3	.625	.481	.102	92A	Gold	Gold (C)	1359-000-G921-19
3	.625	.481	.102	92A	Passivated	Gold (C)	1359-000-K921-19

(C) in contact plating column indicates captive contact (epoxy captivated).

Panel Plug Receptacle—Slotted Contact

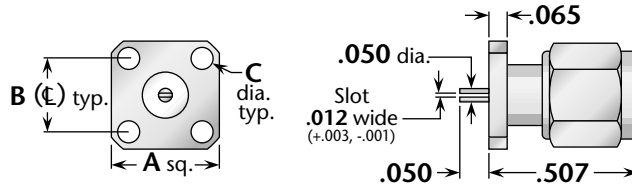


Figure 1
(3/8" square flange)

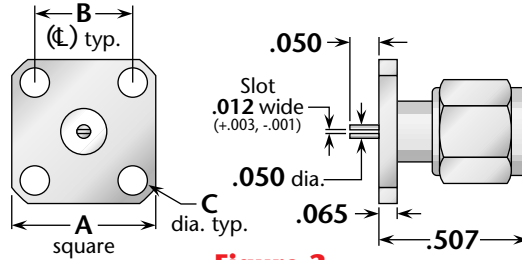


Figure 2
(1/2" square flange)

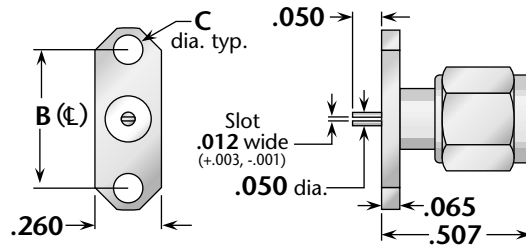


Figure 3
(2-hole flange)

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	1359-000-G910-4
1	.375	.250	.067	91	Passivated	Gold	1359-000-K910-4
1	.375	.250	.067	91	Gold	Gold (C)	1359-000-G911-23
1	.375	.250	.067	91	Passivated	Gold (C)	1359-000-K911-23
2	.500	.340	.102	05	Gold	Gold	1359-000-G050-7
2	.500	.340	.102	05	Passivated	Gold	1359-000-K050-7
2	.500	.340	.102	05	Gold	Gold (C)	1359-000-G051-38
2	.500	.340	.102	05	Passivated	Gold (C)	1359-000-K051-38
3	.625	.481	.102	92A	Gold	Gold	1359-000-G920-2
3	.625	.481	.102	92A	Passivated	Gold	1359-000-K920-2
3	.625	.481	.102	92A	Gold	Gold (C)	1359-000-G921-20
3	.625	.481	.102	92A	Passivated	Gold (C)	1359-000-K921-20

(C) in contact plating column indicates captive contact (epoxy captivated).

Panel Plug Receptacle—Post Contact

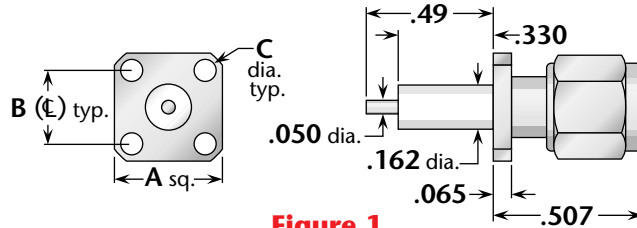


Figure 1
(3/8" square flange)

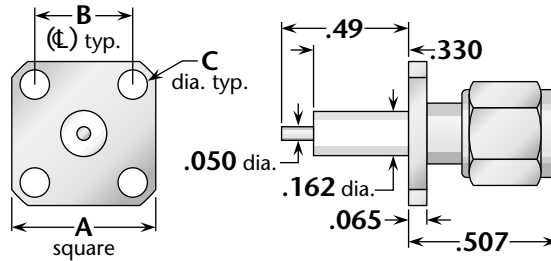


Figure 2
(1/2" square flange)

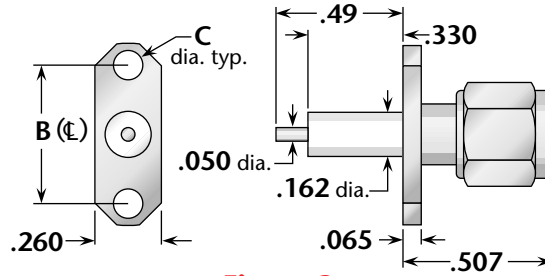


Figure 3
(2-hole flange)

Figure	Dimensions			Mounting Figure	Plating		Delta P/N
	A	B	C		Body	Contact	
1	.375	.250	.067	91	Gold	Gold	1359-000-G910-3
1	.375	.250	.067	91	Passivated	Gold	1359-000-K910-3
1	.375	.250	.067	91	Gold	Gold (C)	1359-000-G911-15
1	.375	.250	.067	91	Passivated	Gold (C)	1359-000-K911-15
2	.500	.340	.102	05	Gold	Gold	1359-000-G050
2	.500	.340	.102	05	Passivated	Gold	1359-000-K050-2
2	.500	.340	.102	05	Gold	Gold (C)	1359-000-G051-4
2	.500	.340	.102	05	Passivated	Gold (C)	1359-000-K051-4
3	.625	.481	.102	92A	Gold	Gold	1323-000-G920
3	.625	.481	.102	92A	Passivated	Gold	1323-000-K920
3	.625	.481	.102	92A	Gold	Gold (C)	1323-000-G921-1
3	.625	.481	.102	92A	Passivated	Gold (C)	1323-000-K921-1

(C) in contact plating column indicates captive contact (epoxy captivated).

Dummy Receptacle

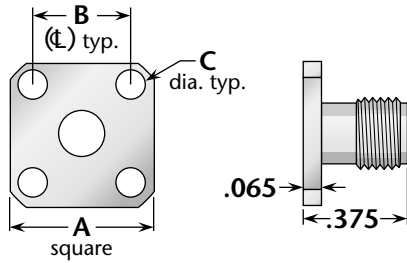


Figure 1
(1/2" square flange)

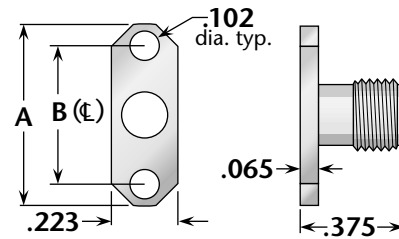


Figure 2
(2-hole flange)

Figure	Dimensions			Mounting Figure	Plating		Delta P/N
	A	B	C		Body	Contact	
1	.500	.340	.102	05	Gold	—	1363-000-G050-1
1	.500	.340	.102	05	Passivated	—	1363-000-K050-2
2	.625	.481	.102	92	Gold	—	1363-000-G920
2	.625	.481	.102	92	Passivated	—	1363-000-K920

Dust Caps

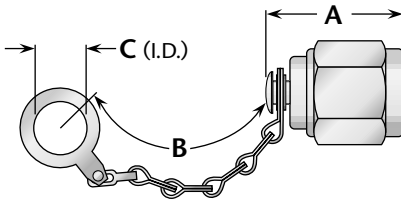


Figure 1
(Shown with safety chain)

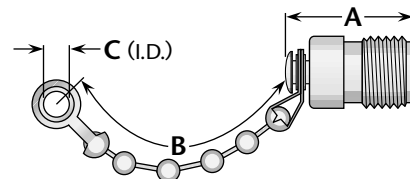


Figure 2
(Shown with bead chain)

Figure	Dimensions			Features	Plating		Delta P/N
	A	B	C		Body	Contact	
1	.50	2.25	.144	Bead chain	Gold	—	1332-000-G000
1	.50	2.25	.144	Bead chain	Passivated	—	1332-000-K000
1	.275	—	—	No chain	Passivated	—	1332-000-K00A-1
1	.50	3.25	.281	Safety chain	Passivated	—	1332-000-K00B
1	.330	—	—	No chain / shorting type	Passivated	Passivated	1332-000-K00C
2	.50	2.25	.144	Bead chain	Gold	—	1333-000-G000
2	.50	2.25	.144	Bead chain	Passivated	—	1333-000-K000
2	.390	—	—	No chain	Passivated	—	1333-000-K00A

Dust caps are available with other chain styles and lengths.

Bulkhead Mounted Jack-Jack Adapters (Connect two plugs)

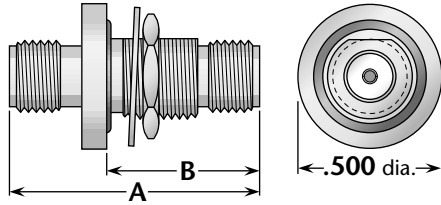


Figure 1
(Hermetically sealed, with mounting gasket)

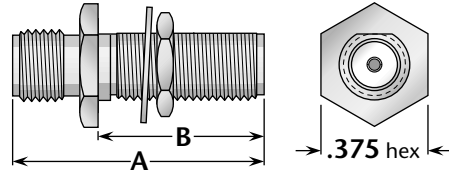


Figure 2
(Non-hermetic, no mounting gasket)

Figure	Dimensions		Max. Panel	Mounting Figure	Plating		Delta P/N
	A	B			Body	Contact	
1	.875	.555	.190	66	Gold	Gold (C)	1326-000-G678
2	.875	.575	.250	67	Gold	Gold (C)	1326-000-G821
2	.875	.575	.250	67	Passivated	Gold (C)	1326-000-K821-1

Straight Adapters

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

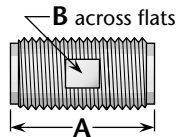


Figure 2
(Straight plug-plug;
connects two jacks)

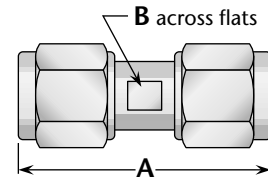


Figure 3
(Straight jack-plug;
connects one plug
and one jack)

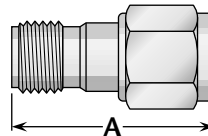


Figure	Dimensions		Plating		Delta P/N
	A	B	Body	Contact	
1	.500	.218	Gold	Gold (C)	1328-000-G000
1	.500	.218	Passivated	Gold (C)	1328-000-K000-1
2	.875	.218	Gold	Gold (C)	1327-000-G000
2	.875	.218	Passivated	Gold (C)	1327-000-K000-2
3	.72	—	Gold	Gold (C)	1334-000-G000
3	.72	—	Passivated	Gold (C)	1334-000-K000

(C) in contact plating column indicates captive contact (epoxy captivated).

Right Angle and Tee Adapters

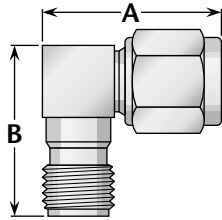


Figure 1
(Right angle plug-jack;
connects one plug and one jack)

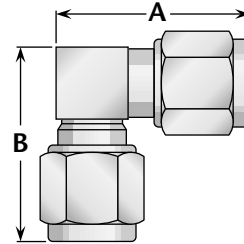


Figure 2
(Right angle plug-plug;
connects two jacks)

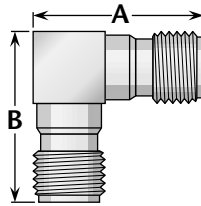


Figure 3
(Right angle jack-jack;
connects two plugs)

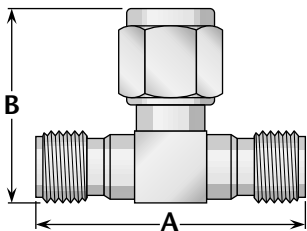


Figure 4
(Tee jack-plug-jack;
connects two plugs and one jack)

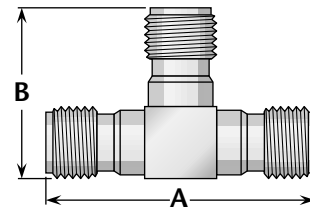
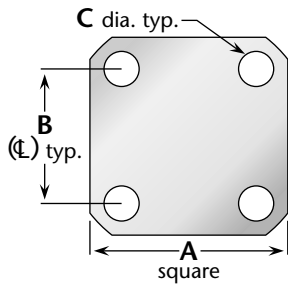


Figure 5
(Tee jack-jack-jack;
connects three plugs)

Figure	Dimensions		Plating		Delta P/N
	A	B	Body	Contact	
1	.625	.585	Gold	Gold (C)	1329-000-G000
1	.625	.585	Passivated	Gold (C)	1329-000-K000
2	.675	.675	Gold	Gold (C)	1337-000-G000-1
2	.675	.675	Passivated	Gold (C)	1337-000-K000-1
3	.585	.585	Gold	Gold (C)	1395-000-G000
3	.585	.585	Passivated	Gold (C)	1395-000-K000
4	.92	.63	Gold	Gold (C)	1330-000-G000
4	.92	.63	Passivated	Gold (C)	1330-000-K000
5	1.00	.59	Gold	Gold (C)	1349-000-G000
5	1.00	.59	Passivated	Gold (C)	1349-000-K000

(C) in contact plating column indicates captive contact.

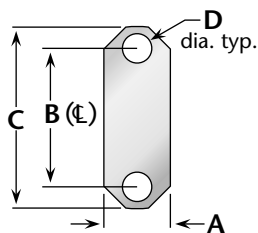
Connector Flanges (Panel mounted connectors)



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	13/32	.812	.150
36	13/16	.906	#6-32 tap
39	13/16	.906	.152
40	13/16	.906	.125
45	2	1.437	.257
91	.375	.250	.067
91A	.375	.232	.093

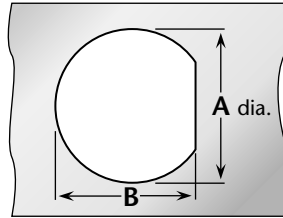
* Countersunk to .245 dia.



2-hole flanges

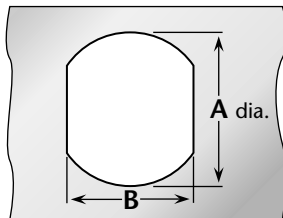
Figure	A	B	C	D
92	.223	.481	.625	.102
92A	.260	.481	.625	.102
95	.640	1.015	1.30	.125

Panel Cutouts (Bulkhead mounted connectors)



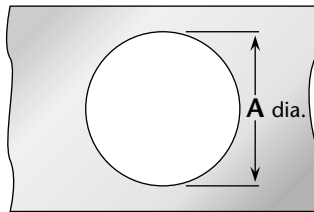
D-Hole

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

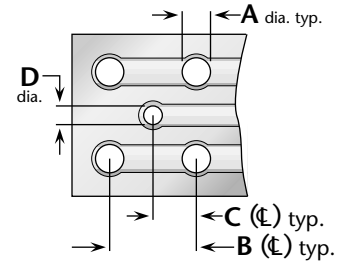
Figure	A	B
69	.755	.692
72	.630	.536
75	.380	.341
84	.319	.278



Round Hole

Figure	A
82	.255
89	.380

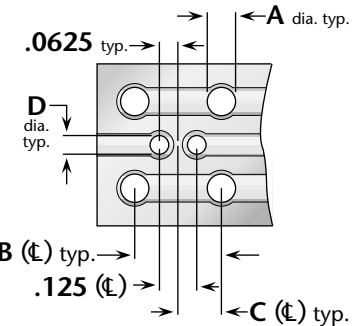
P.C. Board Drilling



(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



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

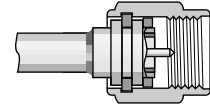
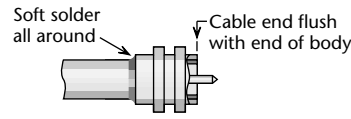
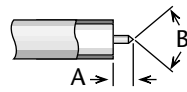
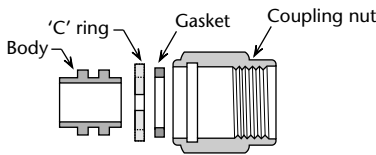
Twinax connectors

Figure	A	B	C	D
PCB04	.045	.500	.250	.045

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		

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

Assembly Procedure G



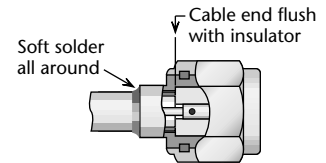
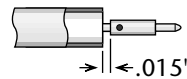
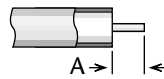
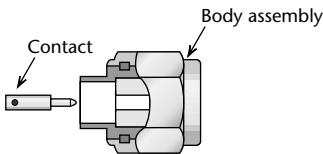
Trim Codes		
Code	A	B
G/01	.090	70-90°

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

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

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

Assembly Procedure H



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

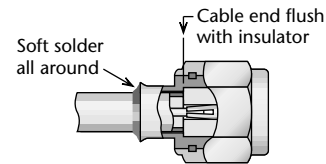
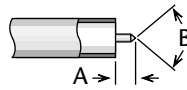
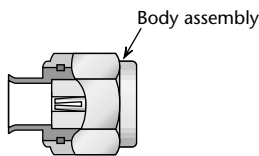
1) Trim cable as shown.
Remove any burrs from jacket and center conductor.

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

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

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

Assembly Procedure I



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

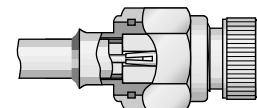
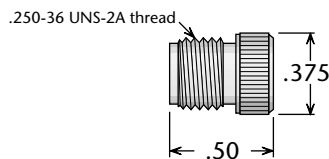
1) Trim cable as shown.
Remove any burrs from jacket and center conductor.

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

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

Cable Positioner

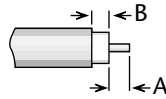
For .085" Cable: P/N 63-10072-2
For .141" Cable: P/N 63-10072-1



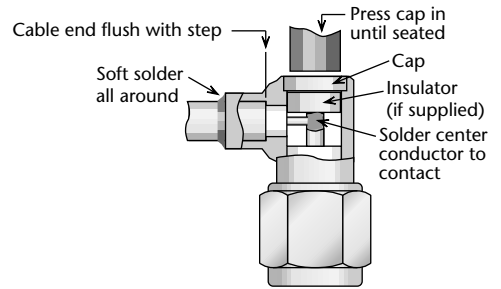
Using this positioner in the final step of assembly procedure H or I (for plugs only) will ensure that the contact and insulator are retained in the proper position to meet MIL-C-39012 requirements. The positioner should be screwed finger-tight into the mating end of the connector (as shown at right)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

Assembly Procedure J

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

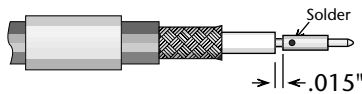
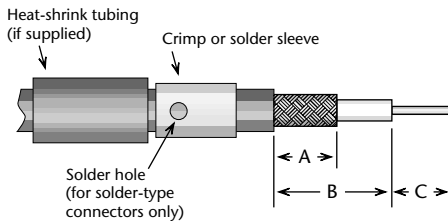


1) Trim cable as shown. Remove any burrs from jacket and center conductor.



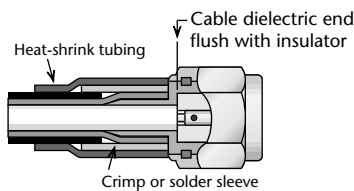
2) Soft solder cable jacket to body, making sure that end of cable is flush with step in body. Solder center conductor into contact slot, assemble insulator disc (if supplied), then press cap into body until seated or screw into place.

Assembly Procedure K



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

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

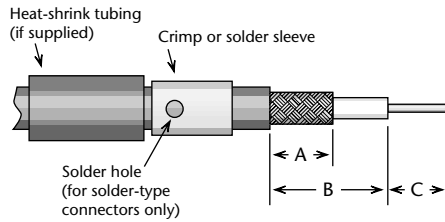


3) Insert cable/contact into rear of body, with all braid wires on outside of crimp tail. Push cable in until cable dielectric bottoms in connector. Trim excess braid wires even with shoulder of body. Slide crimp sleeve forward until flush with body and crimp (see page 190 for hex die sizes). (For solder-type connectors, solder braid to body and sleeve through hole in sleeve.) Slide heat-shrink tubing into place and shrink with hot-air gun.

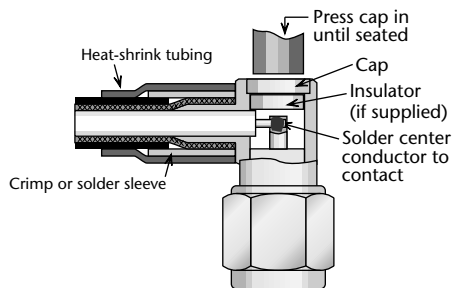
Plug body assembly and contact shown; procedure is identical for jack connectors.

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

Assembly Procedure L



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



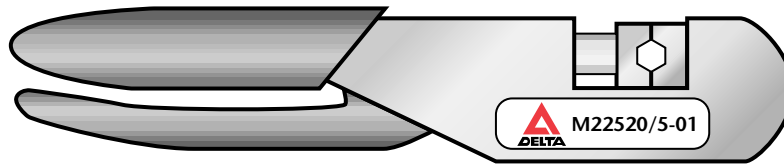
2) Insert cable into rear of body, with all braid wires on outside of crimp tail. Push cable in until end of braid touches connector body shoulder and center conductor rests in contact slot. Trim excess braid wires even with shoulder of body.

Slide crimp sleeve forward until flush with body and crimp (see page 176 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. Solder center conductor into contact slot, assemble insulator disc (if supplied), then press cap into body until seated or screw into place.

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

Crimp Tools for Flexible Cable



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

For Cable Group(s)	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



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