DELTA
ELECTRONICS MFG. CORP.
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N Connectors

ONLINE CATALOG

Contents

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P.O. Box 53 • 416 Cabot St. • Beverly, MA 01915

DELTA ELECTRONICS MANUFACTURING

Online Catalog Navigation Guide

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.

DELTA ELECTRONICS MANUFACTURING

BNC Cable Jacks

Panel Jack—Military Clamp for Flexible Cable

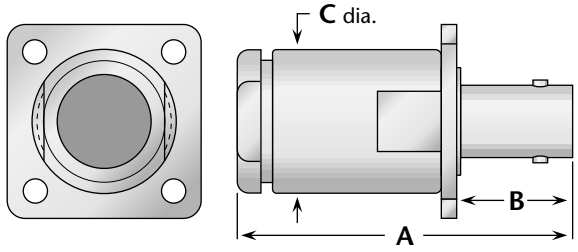


Figure 1

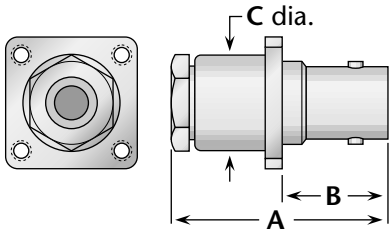


Figure 2

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 information on alternate body plating.

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 type N connectors are medium size, 50Ω impedance connectors with 5/8"-24 threaded coupling.

They are best suited for use with cables in the range of .350" to .450" diameter, but are available for other cables with diameters from .100" to over 1". M39012 QPL N connectors and M55339 QPL N adapters are also included in this catalog. Our extensive line of type N receptacles includes configurations for virtually any packaging requirement, and we can supply any adapter or accessory you need to complete your system design.

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

- *Heli-Grip* cable connectors for fast, reliable assembly to flexible cable without special tooling.
- *One-Step* cable connectors for quick, accurate assembly to semi-rigid cable.
- *PressMount* receptacles (page 25) mount securely in a single round hole, saving space on your components and reducing your housing fabrication costs.
- Panel receptacles with flange sizes to match the same hole pattern as standard SMA or BNC/TNC connectors, letting you drill one hole pattern and mount BNC, N, SMA, TNC, or 7/16 series connectors as needed.
- 70Ω impedance N connectors (see page 29) for matched-impedance applications.

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

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

N Specifications*

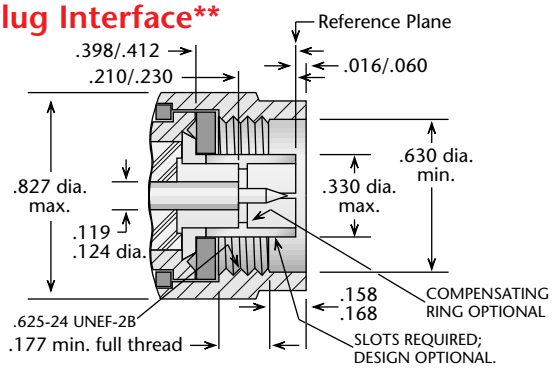
Electrical:
Nominal Impedance: 50 ohms.
Frequency Range: DC–11 GHz.
Voltage Rating: 1,000 volts RMS.
Dielectric Withstanding Voltage: 2,500 volts RMS.
Insulation Resistance: 5,000 megohms.

Materials/Finishes:
Insulators: Teflon per ASTM D1710.
Male Contacts: Brass per ASTM B16.
Female Contacts: Beryllium Copper per ASTM B196.

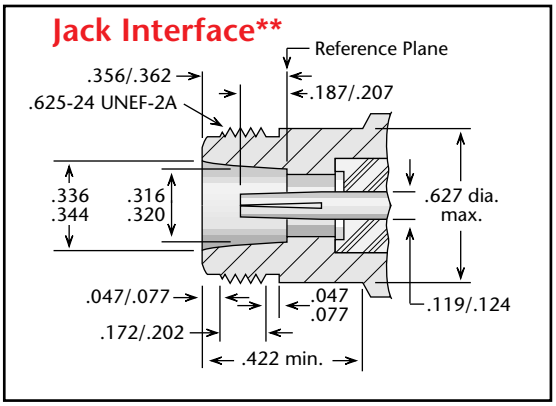
Contact Plating: Silver per QQ-S-365, or Gold per MIL-G-45204.
Gaskets: Silicone rubber per ZZ-R-765, Class II, Grade 50.
Other Metal Parts: Brass per ASTM B16, plated: Silver per QQ-S-365, or Nickel per QQ-N-290.

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.

Plug Interface**



Jack Interface**



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

**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

Plating Options for Economy and Performance

(Albaloy or nickel—available for all connector series except SMA)

Silver plating has long been standard on RF connectors with brass bodies, but its high cost and low corrosion resistance make it less than ideal in most applications. Nickel plating is less expensive and more durable than silver, and is standard on many of our connectors.

However, in some applications, nickel plating can introduce unwanted intermodulation distortion, particularly on large size connectors. For these applications, we offer optional Albaloy plating, a tin/zinc/copper composite with a bright white finish, the corrosion resistance of nickel, and the low intermodulation distortion of silver plating.

Albaloy plating has the same composition as, and is fully compatible with, other commercial platings designated Sucoplate®, IP-23, White Bronze, and Tri-Alloy.

To order a Delta connector with plating other than the listed finish, substitute **A**, **N**, or **Q** in the Delta part number as below:

For **silver** plating: 1111-111-**A**111.
For **nickel** plating: 1111-111-**N**111.
For **Albaloy** plating: 1111-111-**Q**111.

Note: M39012 and M55339 QPL connectors can only be supplied with the specified plating. SMA connectors with stainless-steel bodies are available with gold plating or passivated finish.

Common Flange Sizes Simplify Your Production

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

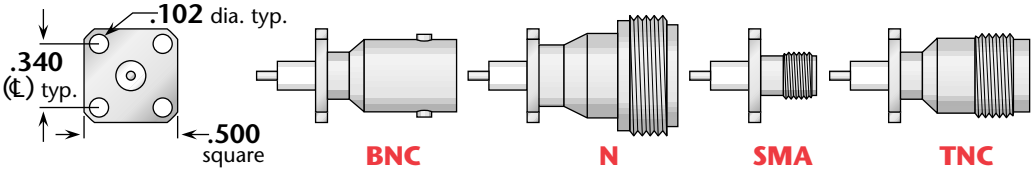
Does it make sense that you have to drill your components with different mounting hole patterns whenever you need to ship them with a different connector series attached?

We didn't think so, either.

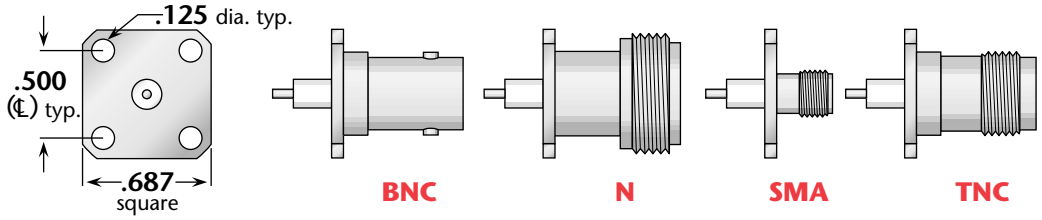
That's why we offer a wide range of connectors in different series with common flange sizes and contact/insulator configurations. Now you can streamline your production process and shorten your delivery cycle—just predrill your components with one mounting hole pattern, and ship them with the connectors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

Flange Sizes and Available Interfaces

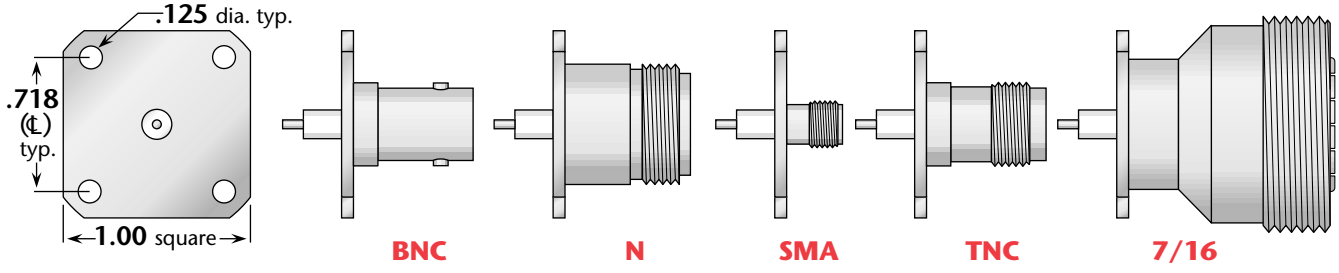
½" square flange (Delta mounting figure 05)—standard flange size for SMA



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



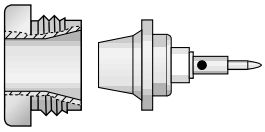
These connectors are available with a wide variety of post, tab, solder pot, or slotted contacts.

N Panel Receptacles With One-Piece Bodies

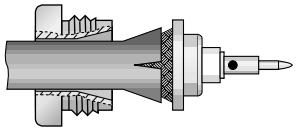
(Available for most type N 4-hole flange receptacles—contact factory for exact types)

Our **in-house** machining capability now includes production of type N flange receptacles with one-piece bodies, replacing the old machined body/stamped flange method. With no unsightly solder joints, these connectors have enhanced appearance and strength compared with two-piece designs. The machined flanges are flatter than stamped flanges, and our high-speed turning centers can produce any volume required to fill your production quantity needs.

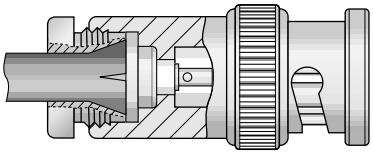
Heli-Grip® Cable Attachment—for Flexible Cable



Backnut; cone/contact/ insulator subassembly



Cable assembled to hardware subassembly



(Proportions altered to illustrate detail)

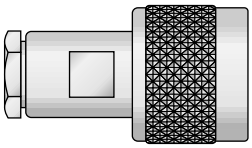
As assembled in connector

With their reduced parts count and rapid assembly, Delta's Heli-Grip connectors offer significant time savings in your cable assembly operation, without the need for dedicated crimp tools.

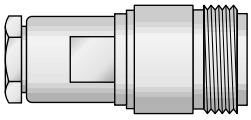
Heli-Grip connectors have captivated contacts, and assembly is easy—simply trim the cable, slide the trimmed cable into the cone/insulator/contact assembly (left), solder the center conductor to the contact, and screw the body assembly (right) onto the backend assembly.

Heli-Grip connectors have cable retention strength greater than the force required to tear the cable braid.

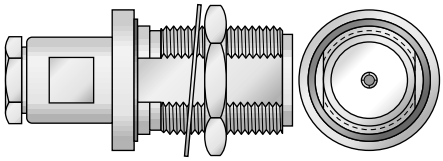
Standard N Heli-Grip Configurations



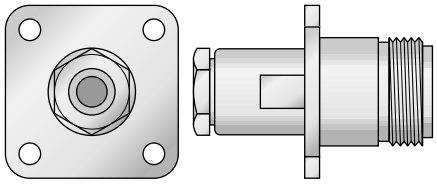
Straight plug—page 9j



Straight jack—page 13



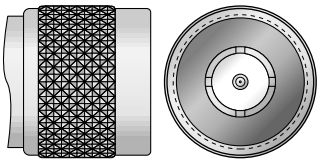
Bulkhead jack—page 15



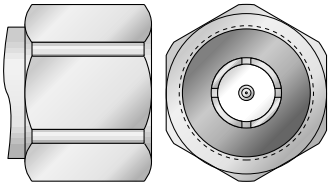
Panel jack—page 17

Coupling Nut Options

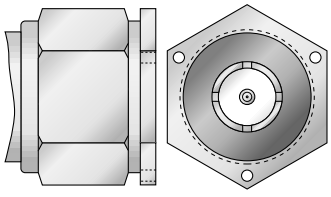
N plugs can be supplied with a hex coupling nut for applications requiring plugs to be torqued to a specific value. Please call for part numbers of specific connectors with hex coupling nuts, which can be supplied with or without safety-wire holes.



Standard coupling nut



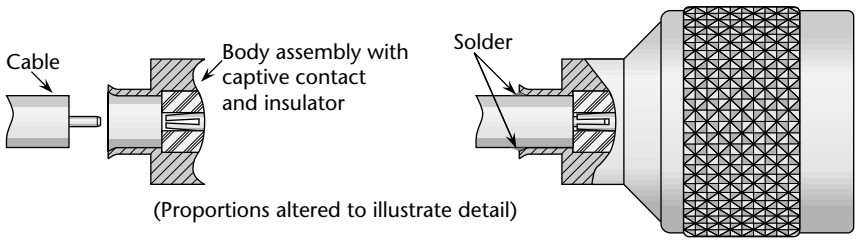
Hex coupling nut



Hex coupling nut with lockwire holes

One-Step Cable Attachment—for Semi-Rigid Cable

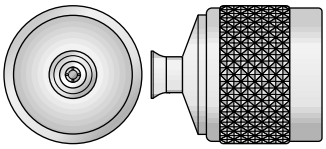
(Available for N and SMA connector series as noted in product pages)



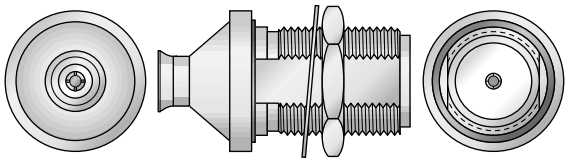
Delta One-Step connectors for semi-rigid cable have captivated contacts and insulators preassembled in the body assembly. With no loose parts to handle, assembly is as simple as trimming the cable (and chamfering the cable center conductor), inserting the cable into the body assembly, and soldering the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

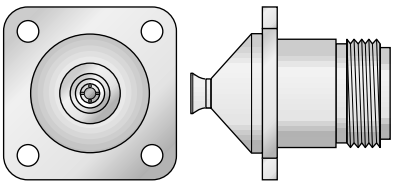
Standard N One-Step Configurations



Straight plug—page 10



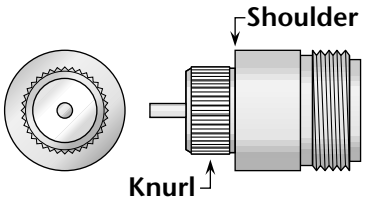
Bulkhead jack—page 16



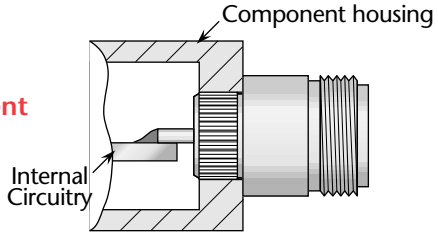
Panel jack—page 18

Delta PressMount Receptacles

Connector design



As mounted on component

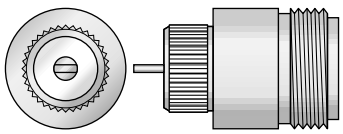


Delta PressMount receptacles eliminate the need for complicated mounting hole patterns and mounting hardware. They are simply pressed into a single through hole, and can be used in component housings as small as the outer diameter of the connector. An integral shoulder provides a positive depth stop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

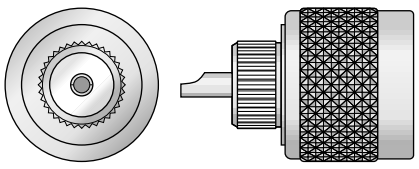
Besides the standard types shown below, PressMount receptacles are available with a wide variety of contact and insulator configurations—please call if you don't see what you need.

Standard N PressMount Receptacles

N jack
(Solder pot, tab, or post contact—page 25)



N plug
(Solder pot, tab, or post contact—page 25)



Straight Plug—Military Clamp for Flexible Cable

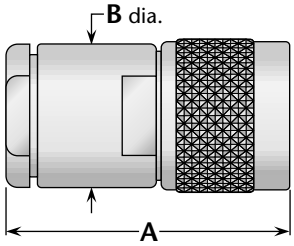


Figure 1

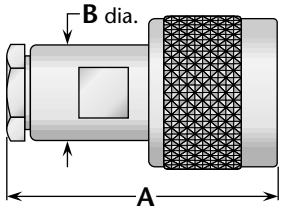


Figure 2

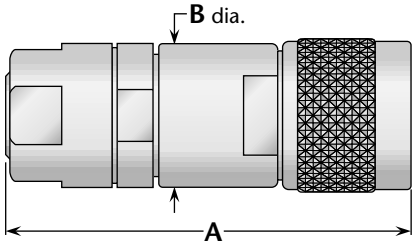
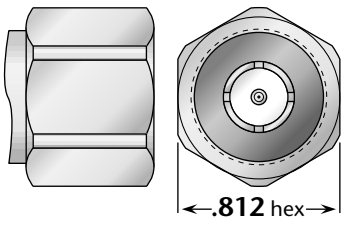


Figure 3
(Includes armor clamp)

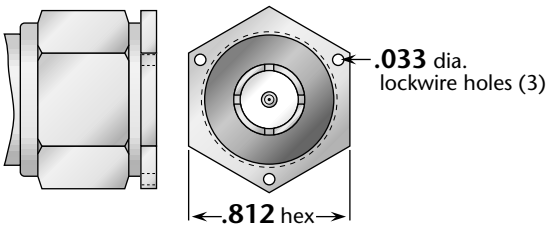
Cable Group	Figure	Dimensions		Plating		Delta P/N	Assembly Procedure/ Trim Code
		A	B	Body	Contact		
1	1	1.50	.75	Nickel	Silver	UG-18E/U	A/01
1	1	1.50	.75	Nickel	Silver (C)	1101-001-N001	A/01
2, 3	1	1.80	.68	Nickel	Silver	UG-21B/U	C/01
2, 3	1	1.50	.75	Nickel	Gold	UG-21D/U	A/01
2, 3	1	1.50	.75	Nickel	Gold	UG-21E/U	A/01
2, 3	1	1.50	.75	Nickel	Gold	UG-21G/U	A/01
2, 3	1	1.50	.75	Nickel	Silver (C)	UG-1185/U	A/01
2, 3	1	1.50	.75	Nickel	Gold (C)	UG-1185A/U	A/01
2, 3	1	1.50	.75	Silver	Gold (C)	M39012/01-0005*	A/01
5, 6	2	1.41	.50	Nickel	Silver	UG-536B/U	A/02
5, 6	2	1.41	.50	Nickel	Gold	UG-536C/U	A/02
5, 6	2	1.41	.50	Nickel	Gold (C)	1101-015-N001	A/02
7	2	1.38	.50	Nickel	Silver	UG-603A/U	A/02
7	2	1.38	.50	Nickel	Silver (C)	1101-021-N001	A/02
8	2	1.41	.50	Nickel	Silver (C)	1101-043-N001	A/02
9	2	1.38	.50	Nickel	Silver	1101-036-N000	A/02
9	2	1.38	.50	Nickel	Silver (C)	1101-036-N001	A/02
15	3	2.42	.75	Nickel	Silver	UG-941B/U	D/01
15	3	2.42	.75	Silver	Gold (C)	M39012/01-0125*	D/03
16	1	1.80	.88	Nickel	Silver	UG-204A/U	C/02
16	1	1.80	.88	Silver	Gold (C)	M39012/01-0015*	A/01
20	3	3.09	1.31	Nickel	Silver	UG-557A/U	D/02
25	2	1.38	.50	Nickel	Silver	1101-132-N000	A/03

* Lockwire holes in coupling nut.

Optional Type N Coupling Nut Examples



$^{13}/_{16}$" hex coupling nut



$^{13}/_{16}$" hex coupling nut with lockwire holes

These designs allow the connectors to be tightened with a wrench for precise torquing of mated parts, and can be supplied on any Delta type N plug. Please call for details of these options or any other special requirements you may have.

(C) in contact plating column indicates captive contact.

Straight Plug—Crimp Type for Flexible Cable

Figure 1

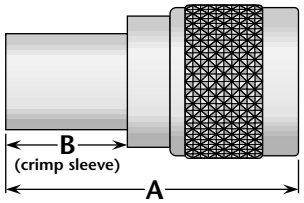
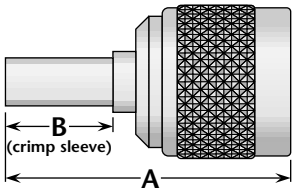


Figure 2



Cable Group	Figure	Dimensions		Plating		Delta P/N	Assembly Procedure/ Trim Code
		A	B	Body	Contact		
2	1	1.51	.63	Nickel	Silver	1103-002-N000	B/01
2	1	1.55	.63	Nickel	Gold (C)	1103-002-N001-9	B/03
2	1	1.55	.60	Silver	Gold (C)	M39012/01B0007*	B/03
2	1	1.55	.60	Silver	Gold (C)	M39012/01-0502*	B/03
2B	1	1.55	.63	Nickel	Silver	1103-070-N000	B/01
3A, 4	1	1.55	.63	Nickel	Gold (C)	1103-004-N001-1	B/03
3A, 4	1	1.51	.63	Nickel	Silver	1103-005-N000	B/01
3A, 3C, 4	1	1.55	.60	Silver	Gold (C)	M39012/01B0008*	B/03
3A, 3C, 4	1	1.55	.60	Silver	Gold (C)	M39012/01-0501*	B/03
4	1	1.50	.63	Nickel	Silver	1103-079-N000	B/01
5	2	1.43	.50	Nickel	Silver	1103-017-N000	B/04
5	1	1.48	.50	Nickel	Gold (C)	1103-017-N001	B/05
6	2	1.43	.50	Nickel	Silver	1103-013-N000	B/04
6	1	1.45	.50	Nickel	Gold (C)	1103-018-N001	B/03
6	1	1.45	.50	Silver	Gold (C)	M39012/01-0503*	B/03
7	2	1.43	.50	Nickel	Silver	1103-020-N000	B/06
7	1	1.38	.50	Nickel	Gold (C)	1103-020-N001	B/03

* Lockwire holes in coupling nut.

Straight Plug—Heli-Grip® for Flexible Cable

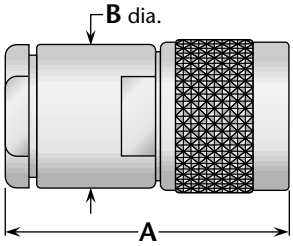


Figure 1

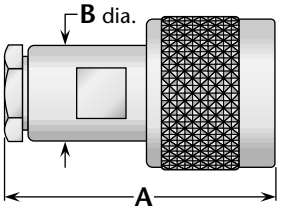
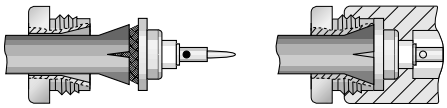


Figure 2

Heli-Grip® Cable Attachment



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

Cable Group	Figure	Dimensions		Plating		Delta P/N	Assembly Procedure/ Trim Code
		A	B	Body	Contact		
2, 3	1	1.50	.75	Nickel	Gold (C)	1101-004-N005	E/01
5, 6§	2	1.41	.50	Nickel	Gold (C)	1101-015-N005	E/02
RG-223	2	1.41	.50	Nickel	Gold (C)	1101-015-N005-1	E/02
7	2	1.38	.50	Nickel	Gold (C)	1101-021-N005	E/02
24	1	1.50	.75	Nickel	Gold (C)	1101-052-N005	E/01
26	1	1.50	.75	Nickel	Gold (C)	1101-108-N005	E/01

§Except RG-223/U.

(C) in contact plating column indicates captive contact.

Straight Plug—For Semi-Rigid Cable

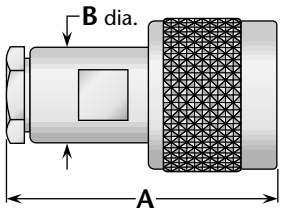


Figure 1
(Solder-clamp; gold-plated ferrule, nickel-plated body)

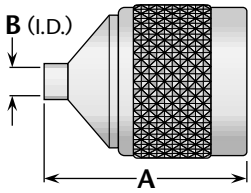
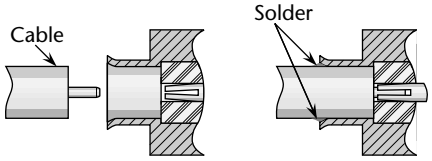


Figure 2
(Direct solder; gold-plated body, nickel[1] or passivated[2] coupling nut)

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.

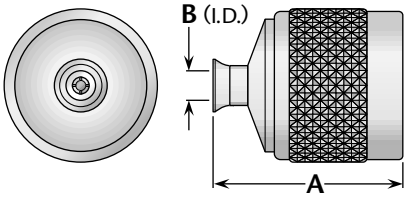


Figure 3
(One-Step cable attachment, standard coupling nut)

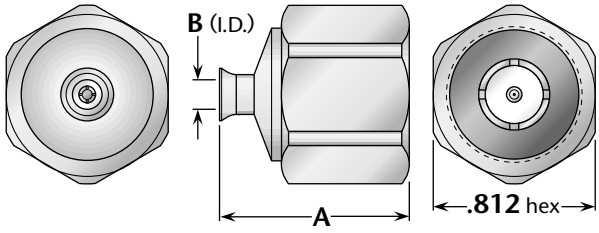


Figure 4
(One-Step cable attachment, hex coupling nut)

Cable Group	Figure	Dimensions		Plating		Delta P/N	Assembly Procedure/ Trim Code
		A	B	Body	Contact		
12	1	1.50	.50	Nickel	Silver	1101-050-N000	F/03
12	2	.96	.254	Mixed[1]	Silver	1101-050-N003	***
12	4	1.44	.254	Silver	Gold (C)	1101-050-A003-7	I/01
13	1	1.41	.50	Nickel	Silver	1101-031-N003	F/01
13	2	.96	.143	Mixed[1]	Gold	1101-031-N003-1	***
13	2	.96	.143	Mixed[2]	Gold	1101-031-K00M	***
13	3	.96	.143	Silver	Gold (C)	1101-031-A003-8	I/01
13	4	.96	.143	Silver	Gold (C)	1101-031-A003-12	I/01
14	1	1.41	.50	Nickel	Silver	1101-025-N003	F/02

[1] Brass body and coupling nut.
[2] Stainless steel body and coupling nut.

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

Right Angle Plug—Military Clamp for Flexible Cable

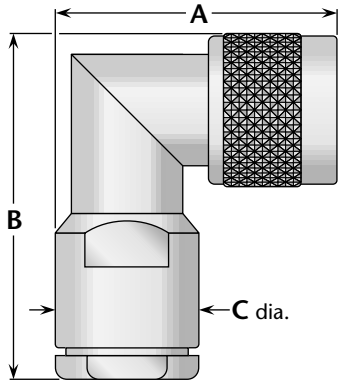


Figure 1
(Mitered body)

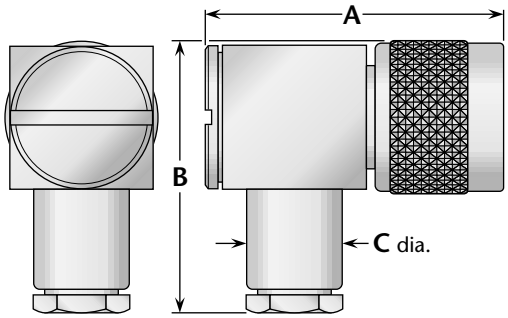


Figure 2
(Cube body with access cap)

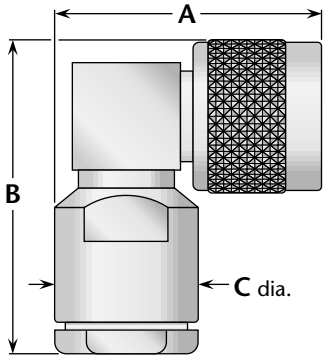


Figure 3
(Cube body)

Cable Group	Figure	Dimensions			Plating		Delta P/N	Assembly Procedure/ Trim Code
		A	B	C	Body	Contact		
2, 3	1	1.47	1.88	.75	Nickel	Silver (C)	UG-594B/U	A/01
2, 3	3	1.36	1.66	.75	Silver	Gold (C)	M39012/05-0101	A/07
2, 3	3	1.39	1.66	.75	Nickel	Gold	1105-004-N000	A/04
5	3	1.39	2.00	.75	Nickel	Gold (C)	1104-032-N001	A/08
5, 6	2	1.55	1.28	.50	Nickel	Silver (C)	1105-015-N000	A/11
5, 6	3	1.35	1.55	.56	Nickel	Silver (C)	1105-015-N001	A/09
7	2	1.55	1.28	.50	Nickel	Silver (C)	1105-021-N000	A/11
9	2	1.55	1.28	.50	Nickel	Silver (C)	1105-036-N001	A/11
19	3	1.36	1.66	.75	Nickel	Silver (C)	1104-027-N001	A/07

Right Angle Plug—Crimp Type for Flexible Cable

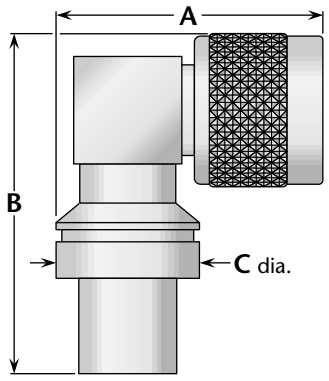


Figure 1
(Cube body)

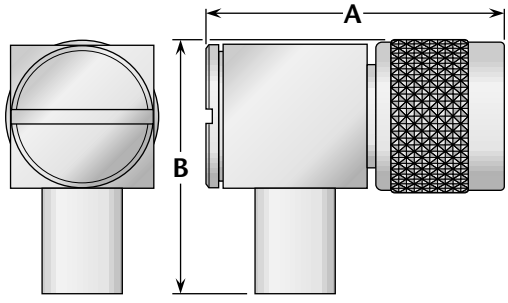


Figure 2
(Cube body with access cap)

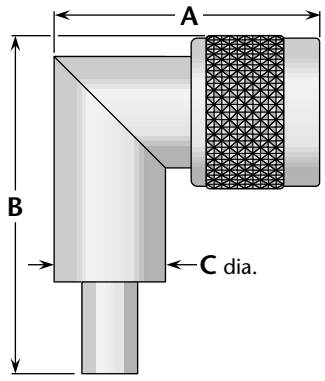


Figure 3
(Mitered body)

Cable Group	Figure	Dimensions			Plating		Delta P/N	Assembly Procedure/ Trim Code
		A	B	C	Body	Contact		
2	1	1.39	1.77	.75	Nickel	Silver	1107-002-N000	B/07
2	2	1.39	1.25	—	Nickel	Silver (C)	1107-002-N000-1	B/09
3	1	1.39	1.77	.75	Nickel	Silver	1107-005-N000	B/07
2	3	1.41	2.30	.687	Nickel	Gold (C)	1107-002-N001-2	B/30
3	3	1.41	2.30	.687	Nickel	Gold (C)	1107-004-N001-2	B/30
6	3	1.41	2.25	.687	Nickel	Gold (C)	1107-034-N001-1	B/08

(C) in contact plating column indicates captive contact.

Tee Plug—For Flexible and Semi-Rigid Cable

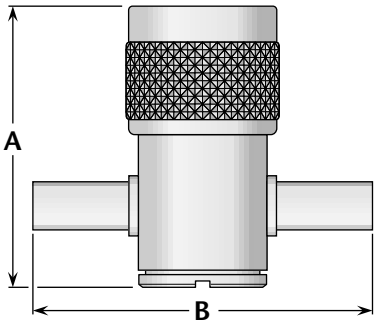


Figure 1
(Crimp type for flexible cable)

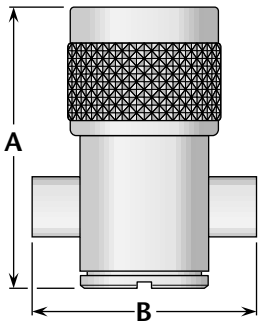


Figure 2
(Direct solder for semi-rigid cable)

Cable Group	Figure	Dimensions		Plating		Delta P/N	Assembly Procedure/ Trim Code
		A	B	Body	Contact		
2	1	1.39	2.00	Silver	Silver (C)	1185-002-A000	B/16
3	1	1.39	2.00	Silver	Silver (C)	1185-004-A000-2	B/16
6	1	1.39	1.82	Silver	Silver (C)	1185-013-A001	B/17
7	1	1.39	1.82	Silver	Silver (C)	1185-019-A000	B/17
9	1	1.39	1.82	Silver	Silver (C)	1185-036-A000	B/17
13	2	1.39	.90	Silver	Silver (C)	1185-031-A000	***

Straight Jack—Military Clamp for Flexible Cable

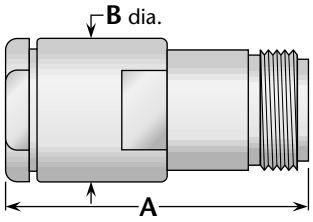


Figure 1

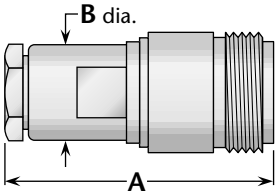


Figure 2

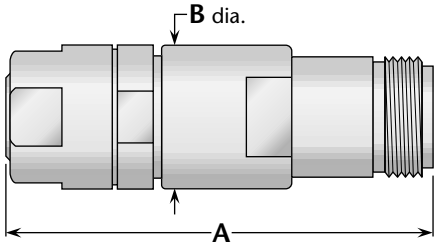


Figure 3
(Includes armor clamp)

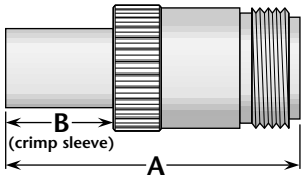
Cable Group	Figure	Dimensions		Plating		Delta P/N	Assembly Procedure/ Trim Code
		A	B	Body	Contact		
1	1	1.56	.75	Nickel	Silver	UG-20E/U	A/01
1	1	1.67	.75	Silver	Gold (C)	M39012/02-0101	A/01
2, 3	1	1.56	.75	Nickel	Silver	UG-23D/U	A/01
2, 3	1	1.56	.75	Nickel	Gold	UG-23F/U	A/01
2, 3	1	1.56	.75	Nickel	Silver (C)	UG-1186/U	A/01
2, 3	1	1.56	.75	Nickel	Silver (C)	UG-1186A/U	A/01
2, 3	1	1.67	.75	Silver	Gold (C)	M39012/02-0003	A/01
5, 6	2	1.41	.50	Nickel	Silver	1108-015-N000	A/05
5, 6	2	1.47	.50	Nickel	Silver (C)	1108-015-N001	A/02
7	2	1.41	.50	Nickel	Silver	UG-602A/U	A/02
7	2	1.27	.50	Nickel	Silver	1108-000-N000-3*	—
7	2	1.47	.50	Nickel	Silver (C)	1108-021-N001	A/02
15	3	2.25	.75	Nickel	Silver	UG-940B/U	D/03
19	1	1.56	.75	Nickel	Gold (C)	1108-027-N001	A/12
22	1	1.87	.69	Nickel	Gold	1108-123-N000	C/03

*UG-602A/U less clamping hardware.

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

Straight Jack—Crimp Type for Flexible Cable

Figure 1



Cable Group	Figure	Dimensions		Plating		Delta P/N	Assembly Procedure/ Trim Code
		A	B	Body	Contact		
2	1	1.64	.60	Silver	Gold (C)	M39012/02B0008	B/10
2	1	1.64	.60	Silver	Gold (C)	M39012/02-0502	B/03
2	1	1.47	.50	Nickel	Gold	1110-002-N000	B/10
2	1	1.60	.63	Nickel	Gold (C)	1110-002-N001	B/11
3	1	1.64	.60	Silver	Gold (C)	M39012/02B0009	B/10
3	1	1.64	.60	Silver	Gold (C)	M39012/02-0501	B/03
3	1	1.47	.50	Nickel	Gold	1110-005-N000	B/10
3	1	1.60	.63	Nickel	Gold (C)	1110-005-N001	B/10
6	1	1.56	.50	Nickel	Gold	1110-013-N000-1	B/12
6	1	1.54	.50	Silver	Gold (C)	M39012/02-0503	B/03

Straight Jack—Heli-Grip® for Flexible Cable

Figure 1

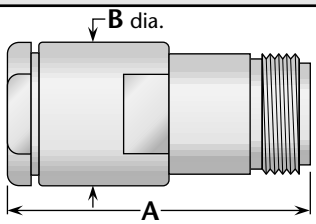
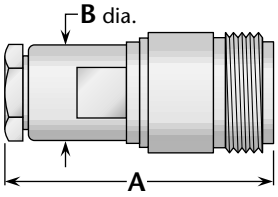


Figure 2



Cable Group	Figure	Dimensions		Plating		Delta P/N	Assembly Procedure/ Trim Code
		A	B	Body	Contact		
2, 3	1	1.63	.75	Nickel	Gold (C)	1108-004-N005-2	E/01
5, 6§	2	1.41	.50	Nickel	Gold (C)	1108-018-N005-2	E/02
RG-223	2	1.41	.50	Nickel	Gold (C)	1108-015-N005	E/02
7	2	1.41	.50	Nickel	Gold (C)	1108-019-N005-2	E/02
8	2	1.41	.50	Nickel	Gold (C)	1108-029-N005-1	E/02
9	2	1.41	.50	Nickel	Gold (C)	1108-037-N005-2	E/02

§Except RG-223/U.

Straight Jack—For Semi-Rigid Cable

Figure 1

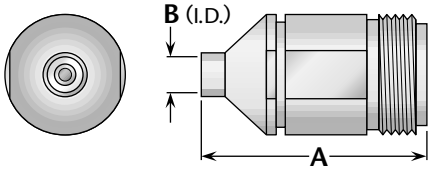
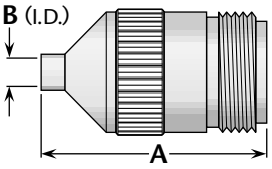


Figure 2



Cable Group	Figure	Dimensions		Plating		Delta P/N	Assembly Procedure/ Trim Code
		A	B	Body	Contact		
12	1	1.07	.254	Silver	Gold	1108-050-A003-3	***
13	2	1.00	.143	Silver	Gold	1108-031-A003	***

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

Bulkhead Jack—Military Clamp for Flexible Cable

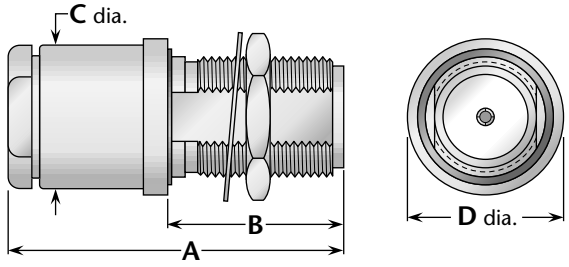


Figure 1
(Rear mount)

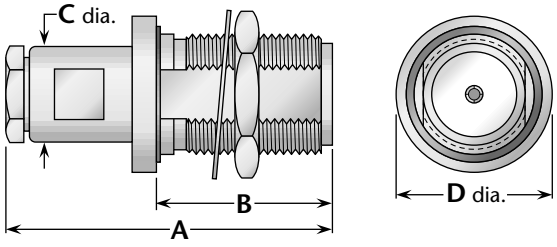
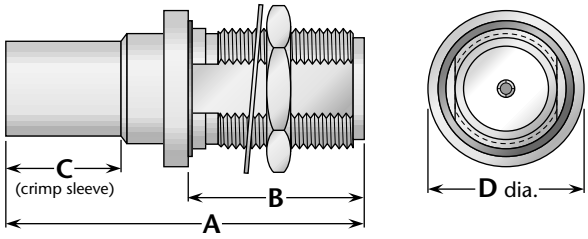


Figure 2
(Rear mount)

Cable Group	Fig.	Dimensions				Mounting Figure	Max. Panel	Plating		Delta P/N	Assembly Procedure/ Trim Code
		A	B	C	D			Body	Contact		
1	1	1.75	.92	.75	.900	72	.25	Silver	Gold (C)	M39012/03-0101	A/01
2, 3	1	1.75	.92	.75	.875	72	.25	Nickel	Silver	UG-160D/U	A/01
2, 3	1	1.84	.92	.75	.812	72	.25	Nickel	Silver (C)	1116-003-N721	***
2, 3	1	1.75	.92	.75	.875	72	.25	Nickel	Gold	1116-004-N720-1	A/01
5, 6	2	1.67	.92	.50	.812	72	.25	Nickel	Silver	UG-556B/U	A/06
5, 6	2	1.67	.92	.50	.875	72	.25	Nickel	Gold (C)	1116-015-N721	A/02
7	2	1.47	.92	.50	.875	72	.25	Nickel	Silver	1116-021-N720	A/14
7	2	1.47	.92	.50	.875	72	.25	Nickel	Gold (C)	1116-021-N721	A/14
9	2	1.48	.92	.50	.875	72	.25	Nickel	Silver (C)	1116-036-N721	A/10
10	2	1.48	.92	.50	.875	72	.25	Nickel	Silver (C)	1116-100-N721	A/10
11	2	1.48	.92	.50	.875	72	.25	Nickel	Silver (C)	1116-038-N721	A/10
16	1	1.90	.92	.88	.875	72	.25	Silver	Gold (C)	M39012/03-0102	A/01

Bulkhead Jack—Crimp Type for Flexible Cable

Figure 1
(Rear mount)



Cable Group	Fig.	Dimensions				Mounting Figure	Max. Panel	Plating		Delta P/N	Assembly Procedure/ Trim Code
		A	B	C	D			Body	Contact		
2	1	1.84	.92	.60	.875	72	.25	Silver	Gold (C)	M39012/03B0004	B/03
2	1	1.84	.92	.60	.875	72	.25	Silver	Gold (C)	M39012/03-0502	B/03
3	1	1.84	.92	.60	.875	72	.25	Silver	Gold (C)	M39012/03B0005	B/03
3	1	1.84	.92	.60	.875	72	.25	Silver	Gold (C)	M39012/03-0501	B/03
6	1	1.74	.95	.50	.875	72	.25	Nickel	Gold (C)	1119-013-N721	B/13
6	1	1.74	.92	.50	.875	72	.25	Silver	Gold (C)	M39012/03-0503	B/03
7	1	1.59	.92	.50	.812	72	.25	Nickel	Silver	1119-020-N720	B/14
9	1	1.45	.88	.44	.812	72	.25	Nickel	Silver (C)	1119-036-N721	B/15
10	1	1.45	.88	.44	.812	72	.25	Nickel	Gold (C)	1119-100-N721	B/15

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

Bulkhead Jack—Heli-Grip® for Flexible Cable

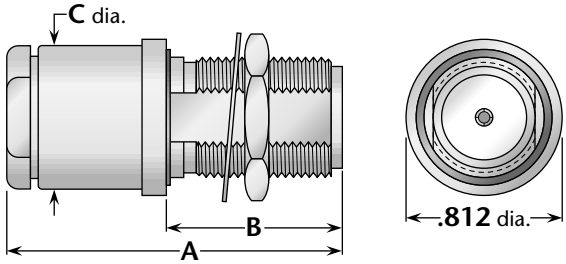


Figure 1

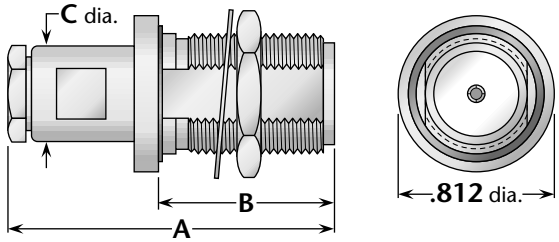
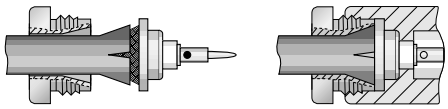


Figure 2

Heli-Grip® Cable Attachment



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

Cable Group	Fig.	Dimensions			Mounting Figure	Max. Panel	Plating		Delta P/N	Assembly Procedure/ Trim Code
		A	B	C			Body	Contact		
2, 3	1	1.84	.92	.75	72	.25	Nickel	Gold (C)	1116-004-N725	E/01
5, 6§	2	1.69	.92	.50	72	.25	Nickel	Gold (C)	1116-015-N725	E/03
RG-223	2	1.69	.92	.50	72	.25	Nickel	Gold (C)	1116-015-N725-1	E/03
7	2	1.69	.92	.50	72	.25	Nickel	Gold (C)	1116-021-N725	E/03
10	2	1.69	.92	.50	72	.25	Nickel	Gold (C)	1116-100-N725	E/03

§Except RG-223/U.

Tee Bulkhead Jack—For Flexible and Semi-Rigid Cable

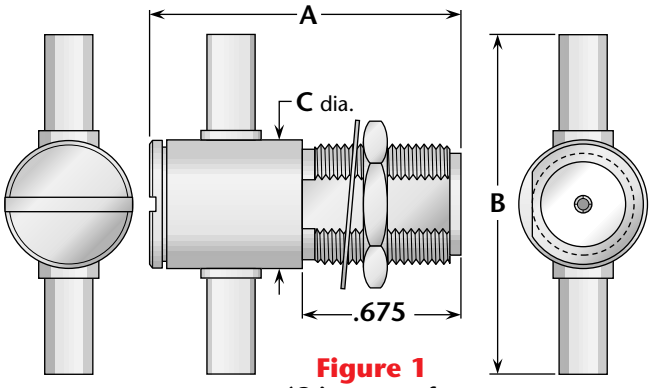


Figure 1
(Crimp type for flexible cable)

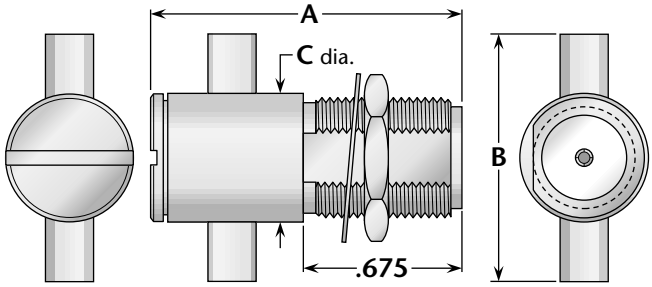


Figure 2
(Direct solder for semi-rigid cable)

Cable Group	Fig.	Dimensions			Mounting Figure	Max. Panel	Plating		Delta P/N	Assembly Procedure/ Trim Code
		A	B	C			Body	Contact		
2	1	1.40	2.00	.75	55	.10	Silver	Silver (C)	1185-002-A551	B/16
3	1	1.40	2.00	.75	55	.10	Silver	Silver (C)	1185-004-A551	B/16
6	1	1.38	1.89	.75	55	.10	Silver	Silver (C)	1185-013-A551	B/17
7	1	1.38	1.89	.75	55	.10	Silver	Silver (C)	1185-019-A551	B/17
9	1	1.38	1.89	.75	55	.10	Silver	Silver (C)	1185-036-A551	B/17
13	2	1.38	.90	.75	55	.10	Silver	Silver (C)	1185-031-A551	***

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

Bulkhead Jack—For Semi-Rigid Cable

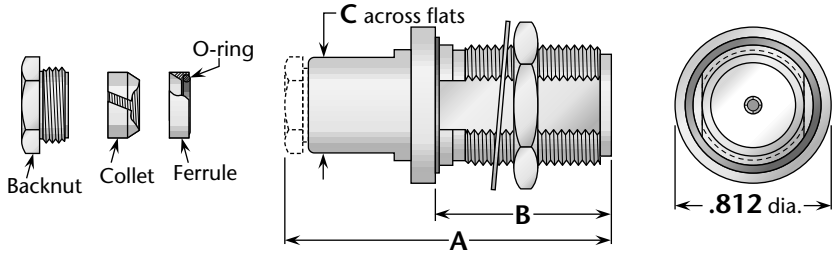


Figure 1
(Collet clamp [solderless] cable attachment, captive contact in body)

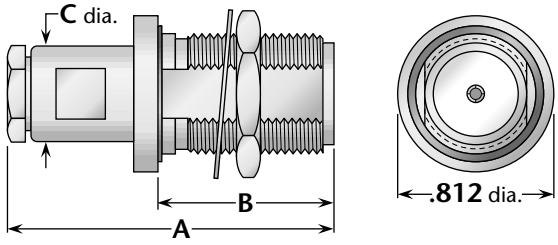


Figure 2
(Solder-clamp; gold-plated ferrule, nickel-plated body)

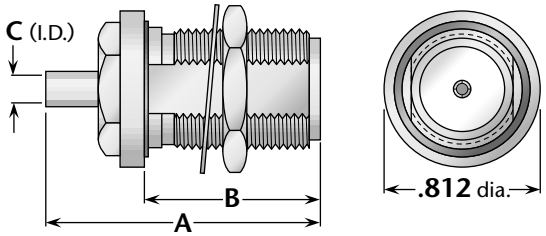
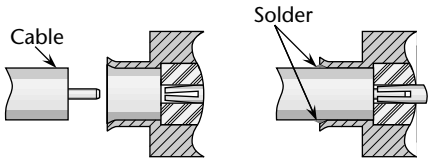


Figure 3
(Direct solder)

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.

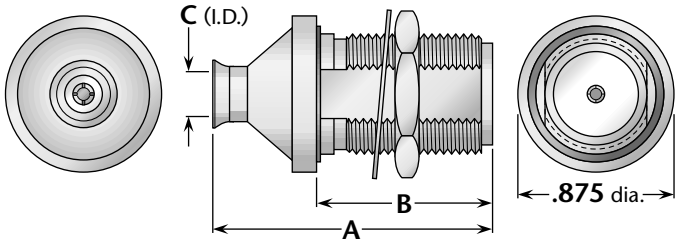


Figure 4
(One-Step cable attachment)

Cable Group	Fig.	Dimensions			Mounting Figure	Max. Panel	Plating		Delta P/N	Assembly Procedure/ Trim Code
		A	B	C			Body	Contact		
12	1	1.55	.889	.50	72	.25	Nickel	Gold (C)	1116-163-N721	***
13	2	1.67	.922	.50	72	.25	Nickel	Gold	1116-031-N720	F/04
13	3	1.33	.884	.145	72	.25	Nickel	Gold	1116-031-N723-1	***
13	4	1.38	.922	.143	72	.25	Silver	Gold (C)	1116-031-A723-3	I/01
14	2	1.67	.922	.50	72	.25	Nickel	Gold	1116-025-N723	F/04
14	3	1.33	.884	.090	72	.25	Nickel	Gold	1116-025-N723-1	***
14	4	1.38	.922	.088	72	.25	Silver	Gold (C)	1116-025-A723-2	I/01

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

Panel Jack—For Flexible Cable

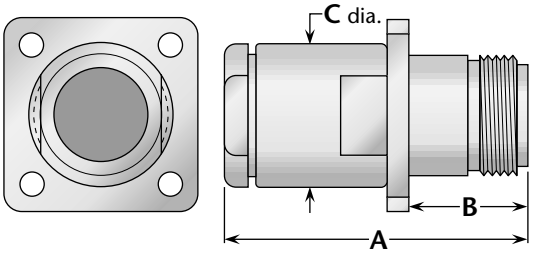


Figure 1

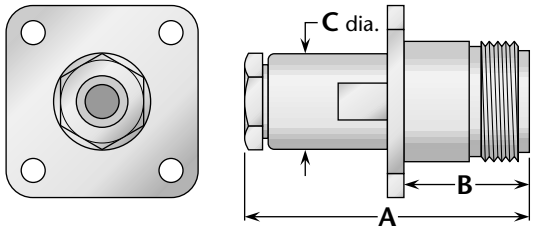
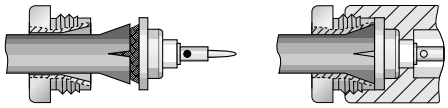


Figure 2

Heli-Grip® Cable Attachment (where noted)



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

Military Clamp for Flexible Cable

Cable Group	Fig.	Dimensions			Mounting Figure	Plating		Delta P/N	Assembly Procedure/ Trim Code
		A	B	C		Body	Contact		
1	1	1.67	.66	.75	33	Silver	Gold (C)	M39012/02-0104	A/01
2, 3	1	1.58	.66	.75	33	Nickel	Silver	UG-22D/U	A/01
2, 3	1	1.58	.66	.75	33	Nickel	Gold	UG-22F/U	A/01
2, 3	1	1.58	.66	.75	33	Nickel	Silver (C)	UG-1187/U	A/01
2, 3	1	1.58	.66	.75	33	Nickel	Silver (C)	UG-1187A/U	A/01
2, 3	1	1.67	.66	.75	33	Silver	Gold (C)	M39012/02-0006	A/01
5, 6	2	1.41	.66	.50	33	Nickel	Silver	UG-1095B/U	A/13
5, 6	2	1.41	.66	.50	33	Nickel	Gold	UG-1095C/U	A/13
5, 6	2	1.41	.66	.50	27	Nickel	Silver	1111-015-N270	A/13
5, 6	2	1.48	.66	.50	27	Nickel	Gold (C)	1111-015-N271	A/02
5, 6	2	1.41	.66	.50	33	Nickel	Silver (C)	1111-015-N331	A/02
7	2	1.41	.66	.50	33	Nickel	Silver	UG-593A/U	A/14
9	2	1.44	.66	.50	33	Nickel	Silver	1111-036-N330	A/16
9	2	1.48	.66	.50	33	Nickel	Silver (C)	1111-036-N331	A/15
19	1	1.56	.66	.75	33	Nickel	Gold (C)	1111-027-N331	A/12
22	1	1.87	.66	.69	30	Nickel	Gold	1111-123-N300	C/03

Heli-Grip for Flexible Cable

Cable Group	Fig.	Dimensions			Mounting Figure	Plating		Delta P/N	Assembly Procedure/ Trim Code
		A	B	C		Body	Contact		
2, 3	1	1.58	.66	.75	33	Nickel	Gold (C)	1111-004-N335	E/01
5, 6§	2	1.41	.66	.50	33	Nickel	Gold (C)	1111-015-N335	E/03
RG-223	2	1.41	.92	.50	33	Nickel	Gold (C)	1111-015-N335-1	E/03
7	2	1.41	.66	.50	33	Nickel	Gold (C)	1111-021-N335	E/03
9	2	1.41	.66	.50	33	Nickel	Gold (C)	1111-037-N335-1	E/03
10	2	1.41	.66	.50	33	Nickel	Gold (C)	1111-100-N335-1	E/03

§Except RG-223/U.

(C) in contact plating column indicates captive contact.

Panel Jack—Crimp Type for Flexible Cable

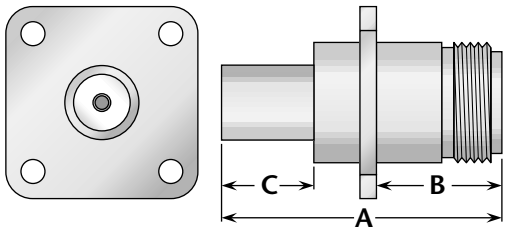


Figure 1 (Standard crimp type)

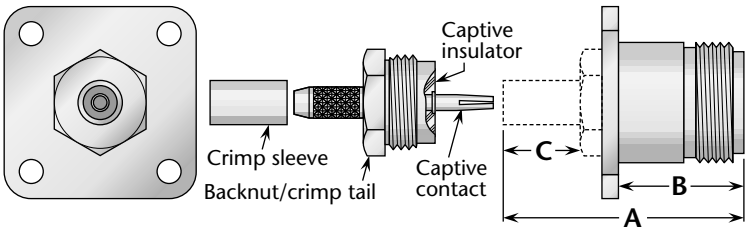
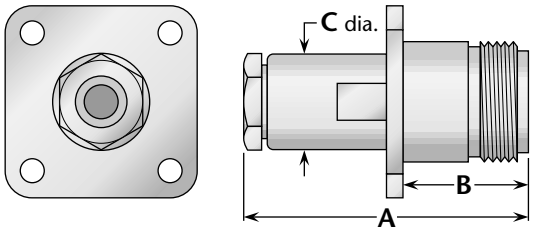


Figure 2 (Contact and insulator captive in backnut)

Cable Group	Fig.	Dimensions			Mounting Figure	Plating		Delta P/N	Assembly Procedure/ Trim Code
		A	B	C		Body	Contact		
2	1	1.64	.66	.60	33	Silver	Gold (C)	M39012/02-0512	B/03
3	1	1.64	.66	.60	33	Silver	Gold (C)	M39012/02-0511	B/03
5	2	1.19	.595	.50	33	Nickel	Silver (C)	1155-017-N331	***
6	2	1.19	.595	.50	33	Nickel	Silver (C)	1155-013-N331	***
6	1	1.54	.66	.50	33	Silver	Gold (C)	M39012/02-0513	B/03
9	2	1.16	.595	.38	33	Nickel	Silver (C)	1155-037-N331	***

Panel Jack—For Semi-Rigid Cable

Figure 1
(Solder-clamp; gold-plated ferrule, nickel-plated body)



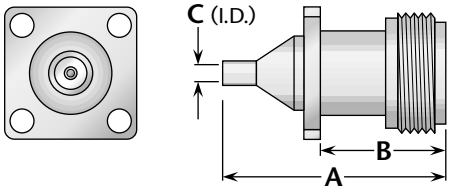


Figure 2 (One-Step cable attachment—see page 74 for details)

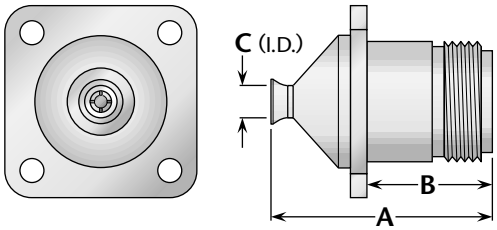


Figure 3 (One-Step cable attachment—see page 74 for details)

Cable Group	Fig.	Dimensions			Mounting Figure	Plating		Delta P/N	Assembly Procedure/ Trim Code
		A	B	C		Body	Contact		
13	1	1.41	.66	.50	33	Nickel	Gold	1111-031-N333-1	F/05
13	2	1.11	.66	.143	09	Silver	Gold (C)	1111-031-A091-1	I/01
13	3	1.07	.64	.143	33	Silver	Gold (C)	1111-031-A333-4	I/01
14	1	1.41	.66	.50	33	Nickel	Gold	1111-025-N333	F/05
14	2	1.11	.66	.088	09	Silver	Gold (C)	1111-025-A091-1	I/01
14	3	1.07	.64	.088	33	Silver	Gold (C)	1111-025-A333-2	I/01

(C) in contact plating column indicates captive contact.

Panel Jack Receptacle—Solder Pot Contact

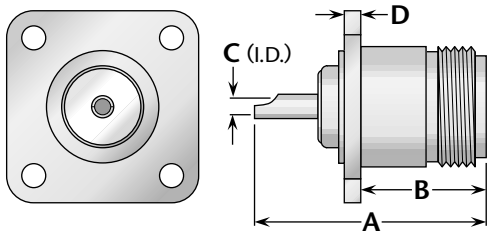


Figure 1

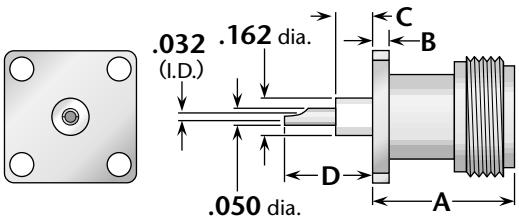


Figure 2
(11/16" square flange, interchangeable with BNC and TNC standard flange size)

Figure 3

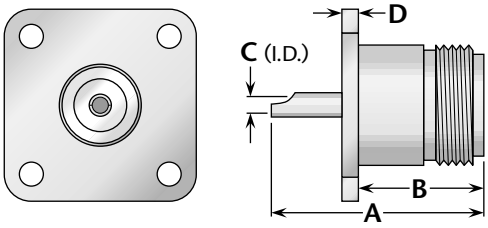


Figure	Dimensions				Mounting Figure	Plating		Delta P/N
	A	B	C	D		Body	Contact	
1	1.13	.66	.100	.080	33	Nickel	Silver (C)	UG-58A/U
1	1.13	.66	.100	.080	33	Silver	Gold (C)	M39012/04-0002
1	1.13	.66	.100	.080	18	Nickel	Silver (C)	1113-000-N181
1	1.13	.66	.100	.080	32A	Nickel	Silver (C)	1113-000-N321-2
1	1.13	.66	.100	.080	32	Nickel	Gold (C)	1113-000-N321-3
1	1.13	.66	.100	.080	33	Silver	Gold (C)	1113-000-A331-11
1	1.13	.66	.100	.080	33	Nickel	Gold (C)	1113-000-N331-11
1	1.13	.66	.100	.080	95	Nickel	Silver (C)	1113-000-N951
2	.735	.075	.125	.25	09	Nickel	Silver (C)	1113-000-N091-2
3	1.13	.66	.100	.080	33	Nickel	Gold (C)	1113-000-N331-9

Panel Jack Receptacle—Solder Pot Contact

Round flange (for solder or setscrew mounting)

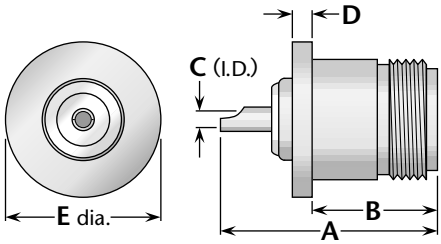


Figure 1

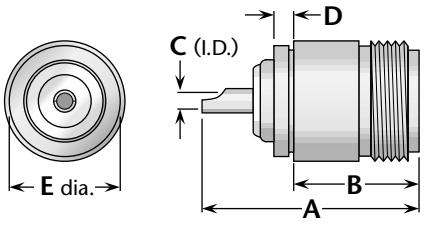


Figure 2

Figure	Dimensions					Plating		Delta P/N
	A	B	C	D	E	Body	Contact	
1	1.25	.66	.100	.175	1.50	Nickel	Silver (C)	1113-000-N911-2
1	1.25	.66	.100	.125	1.25	Nickel	Gold (C)	1113-000-N911-5
2	1.13	.66	.100	.11	.575	Nickel	Silver (C)	1120-000-N831

(C) in contact plating column indicates captive contact.

Panel Jack Receptacle—Slotted Contact

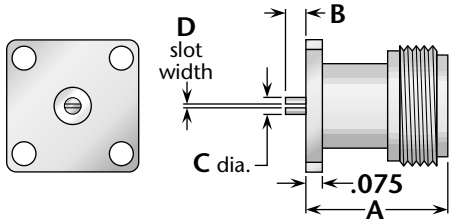


Figure 1
(11/16" square flange, interchangeable with BNC and TNC standard flange size)

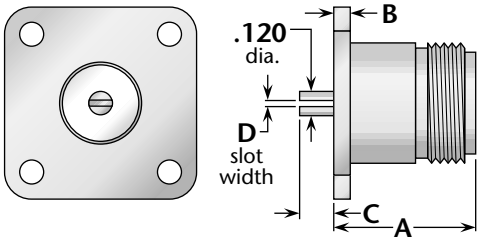


Figure 2

Figure	Dimensions				Mounting Figure	Plating		Delta P/N
	A	B	C	D		Body	Contact	
1	.735	.050	.086	.012/.017	09	Nickel	Gold (C)*	1143-000-N091-2
1	.735	.050	.086	.036	09	Nickel	Gold (C)*	1143-000-N091-3
1	.735	.050	.086	.007/.012	09	Nickel	Gold (C)*	1143-000-N091-4
1	.735	.050	.050	.012/.017	09	Nickel	Gold (C)*	1143-000-N091-9
2	.736	.080	.050	.012/.017	33	Nickel	Gold (C)*	1143-000-N330-10
2	.736	.080	.050	.026/.030	33	Nickel	Gold (C)*	1143-000-N331-17
2	.736	.080	.050	.020/.025	33	Nickel	Gold (C)	1143-000-N331-23
2	.735	.080	.050	.026/.030	33	Nickel	Gold (C)	1143-000-N331-54
2	.736	.080	.050	.012/.017	33	Nickel	Gold (C)	1143-000-N331-55

*Epoxy-captivated contact.

Panel Jack Receptacle—Tab Contact

Figure 1

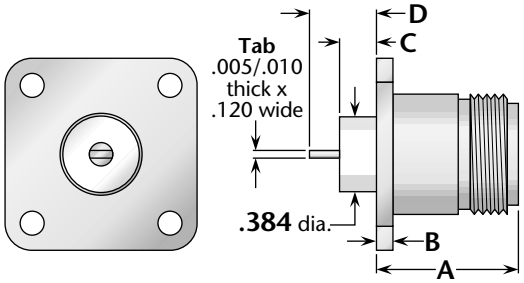


Figure 2

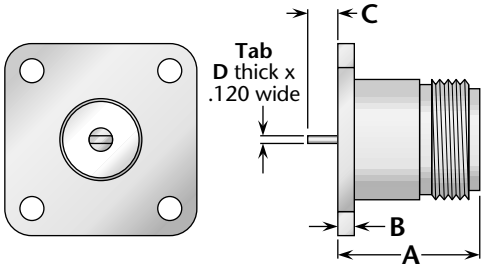


Figure 3
(11/16" square flange, interchangeable with BNC and TNC standard flange size)

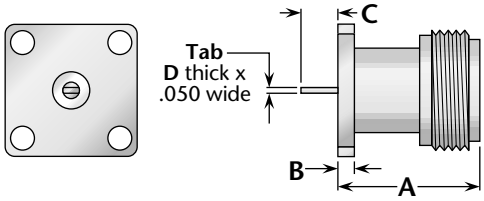


Figure	Dimensions				Mounting Figure	Plating		Delta P/N
	A	B	C	D		Body	Contact	
1	.736	.080	.195	.35	33	Nickel	Gold (C)*	1143-000-N330-12
2	.736	.080	.100	.005/.008	33	Silver	Gold (C)*	1158-000-A331-12
3	.735	.075	.050	.004/.006	09	Silver	Gold (C)*	1158-000-A091-23

*Epoxy-captivated contact.

(C) in contact plating column indicates captive contact.

Panel Jack Receptacle—Post Contact

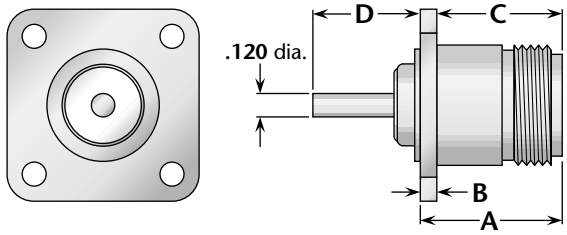


Figure 1

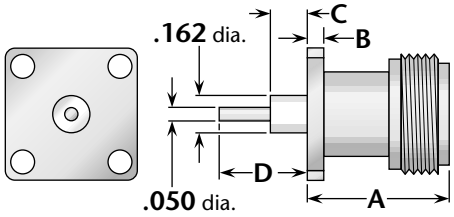


Figure 2
(11/16" square flange, interchangeable with BNC and TNC standard flange size)

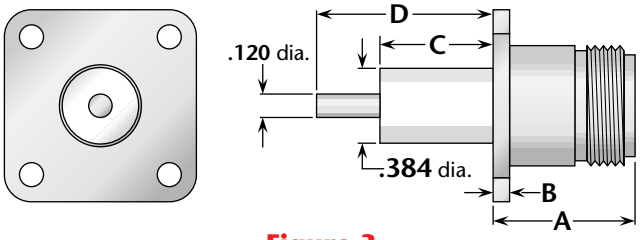


Figure 3

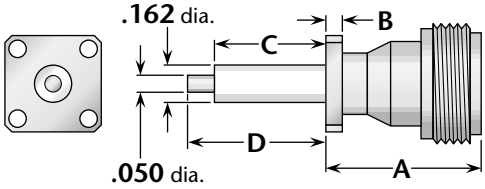


Figure 4
(1/2" square flange, interchangeable with SMA standard flange size)

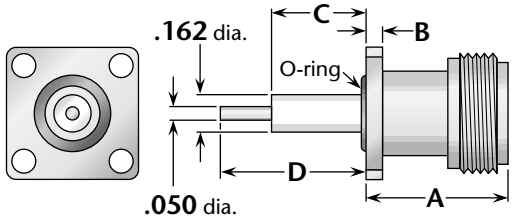


Figure 5
(O-ring seal on flange, 11/16" square flange, interchangeable with BNC and TNC standard flange size)

Figure	Dimensions				Mounting Figure	Plating		Delta P/N
	A	B	C	D		Body	Contact	
1	.736	.080	.66	.56	33	Nickel	Gold (C)	1113-000-N331-28
2	.735	.075	.125	.25	09	Nickel	Silver (C)	1143-000-N091-18
2	.735	.075	.125	.25	09	Nickel	Gold (C)	1143-000-N091-30
2	.735	.075	.590	.705	09	Nickel	Gold (C)*	1143-000-N091-69
3	.736	.080	.590	.705	33	Nickel	Gold	1143-000-N330-18
3	.736	.080	.590	.705	33	Nickel	Gold (C)*	1158-000-N331-15
4	.814	.080	.590	.705	05	Nickel	Gold (C)	1143-000-N051-2
5	.735	.075	.200	.450	09	Nickel	Gold (C)	1143-000-N091-59
5	.735	.075	.750	.875	09	Nickel	Gold (C)	1143-000-N091-73
5	.735	.075	.375	.425	09	Nickel	Gold (C)*	1143-000-N091-75

*Epoxy-captivated contact.

(C) in contact plating column indicates captive contact.

Right Angle Panel Jack Receptacle

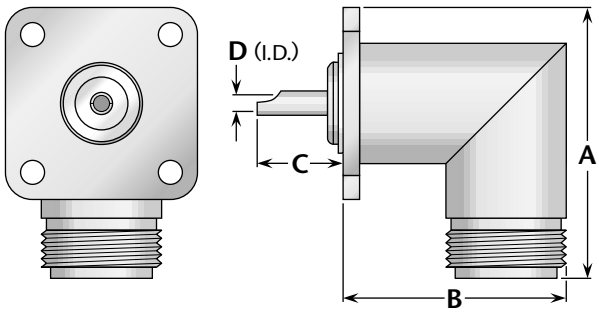


Figure 1

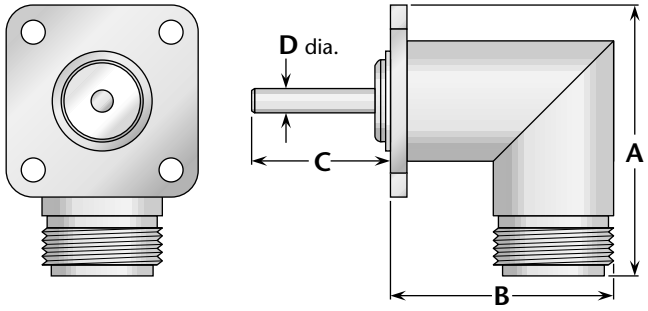


Figure 2

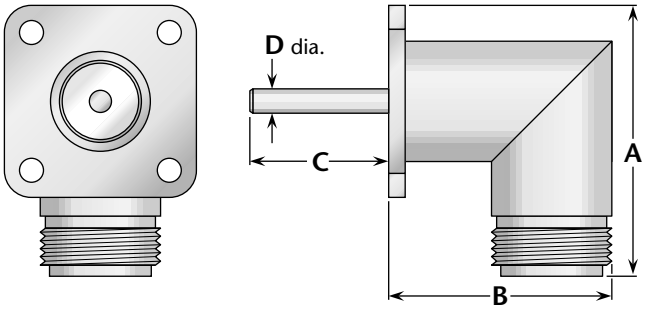


Figure 3

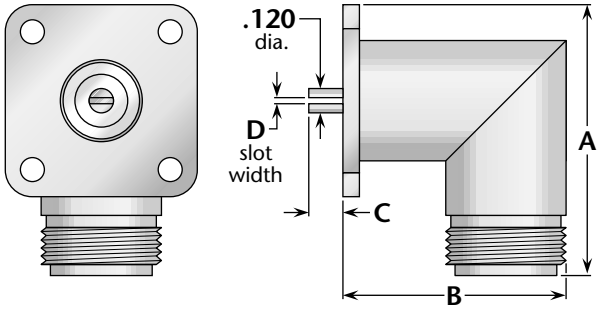
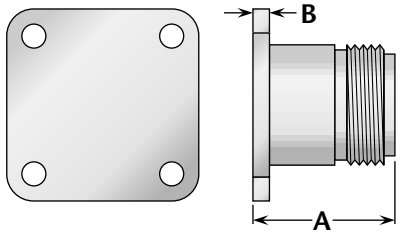


Figure 4

Figure	Dimensions				Mounting Figure	Plating		Delta P/N
	A	B	C	D		Body	Contact	
1	1.41	1.16	.30	.101	33	Nickel	Silver (C)	UG-997A/U
1	1.41	1.16	.30	.101	33	Nickel	Gold (C)	1115-000-N330-5
2	1.41	1.16	.75	.120	33	Nickel	Silver (C)	1115-000-N330-9
3	1.41	.830	.56	.120	33	Nickel	Gold (C)	1115-000-N330-12
4	1.41	1.17	.050	.020/.025	33	Nickel	Silver (C)	1115-000-N330-11

Dummy Receptacle



Dimensions		Mounting Figure	Plating		Delta P/N
A	B		Body	Contact	
.740	.080	33	Nickel	—	1163-000-N330

(C) in contact plating column indicates captive contact.

Panel Plug Receptacles

Figure 1 (Solder pot contact)

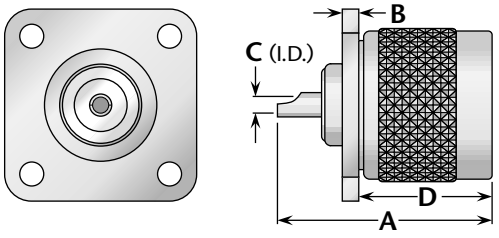


Figure 2 (Slotted contact)

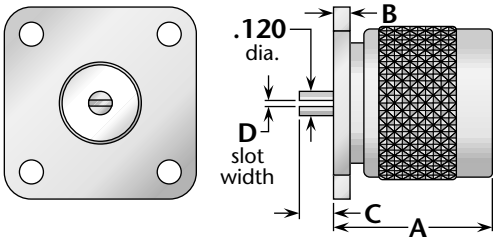


Figure 3 (Slotted contact)

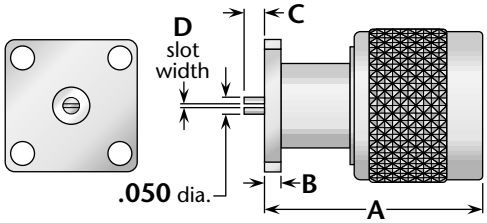


Figure 4 (Tab contact)

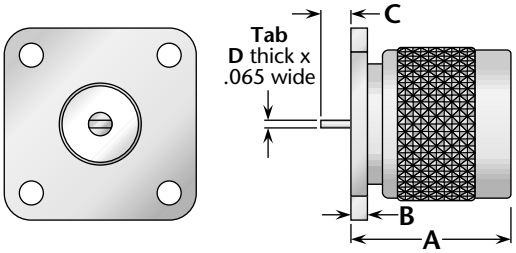


Figure 5 (Post contact)

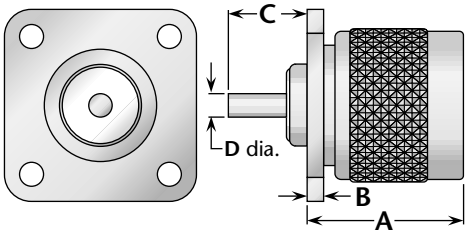


Figure 6 (Post contact)

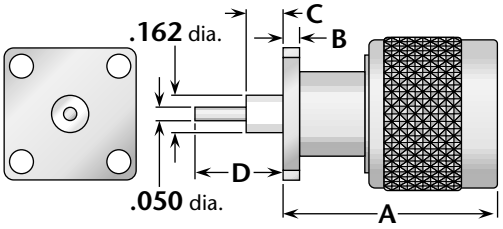


Figure 7 (Post contact)

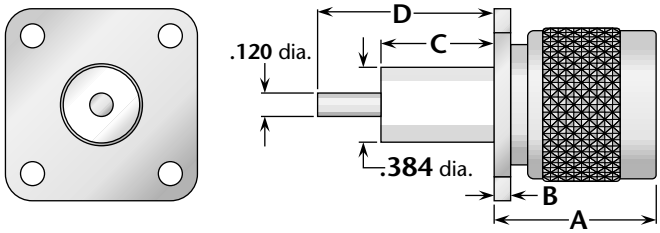


Figure	Dimensions				Mounting Figure	Plating		Delta P/N
	A	B	C	D		Body	Contact	
1	1.10	.080	.101	.72	33	Nickel	Silver (C)	1123-000-N330
1	1.10	.080	.101	.72	33	Nickel	Gold (C)	1123-000-N330-4
2	.78	.080	.050	.012/.017	33	Nickel	Gold (C)	1159-000-N330-1
2	.81	.080	.050	.012/.017	33	Nickel	Gold (C)	1159-000-N330-13
2	.81	.080	.050	.026/.030	33	Nickel	Gold (C)*	1159-000-N331-26
3	1.17	.075	.050	.020	09	Nickel	Gold (C)*	1159-000-N091-4
4	.81	.080	.100	.005/.008	33	Nickel	Gold (C)*	1159-000-N331-9
5	.81	.080	.36	.120	33	Nickel	Gold (C)	1123-000-N330-2
6	1.17	.075	.125	.250	09	Nickel	Gold (C)	1159-000-N091-10
7	.81	.080	.590	1.10	33	Nickel	Gold (C)*	1159-000-N331-6
7	.81	.080	.330	.488	33	Nickel	Gold	1159-000-N330-11
7	.81	.080	.330	.488	33	Nickel	Gold (C)*	1159-000-N331

*Epoxy-captivated contact.

(C) in contact plating column indicates captive contact.

Bulkhead Jack Receptacles

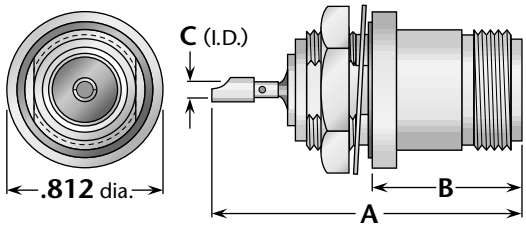


Figure 1
(Front mount, hermetically sealed, with mounting gasket)

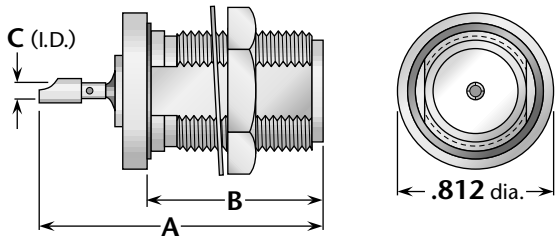


Figure 2
(Rear mount, hermetically sealed, with mounting gasket)

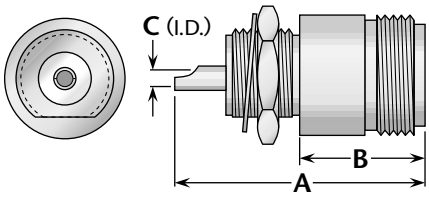


Figure 3
(Front mount, no gasket)

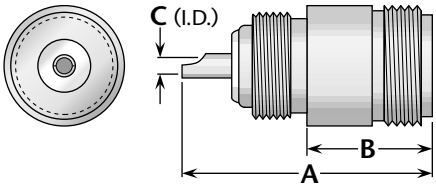


Figure 4
(Front mount, no gasket, screw-in type for 9/16–24 tapped hole)

Figure	Dimensions			Max. Panel	Mounting Figure	Plating		Delta P/N
	A	B	C			Body	Contact	
1	1.62	.707	.099	.100	72	Nickel	Silver (C)	UG-680/U
1	1.62	.707	.099	.100	72	Nickel	Silver (C)	UG-680A/U
1	1.62	.707	.099	.100	72	Silver	Gold (C)	M39012/04-0001
2	1.53	.919	.099	.250	72	Nickel	Silver (C)	1121-000-N728-5
3	1.25	.606	.099	.100	59	Nickel	Silver (C)	1120-000-N590
3	1.25	.606	.099	.100	59	Nickel	Gold (C)	1120-000-N590-4
4	1.25	.562	.099	.100	**	Nickel	Silver (C)	1120-000-N591

Stripline Receptacles

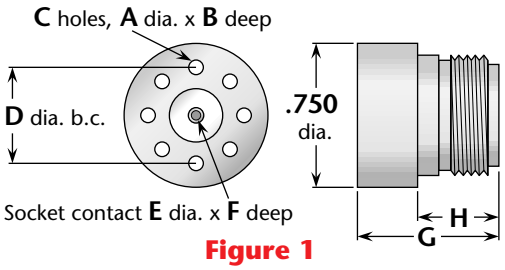


Figure 1

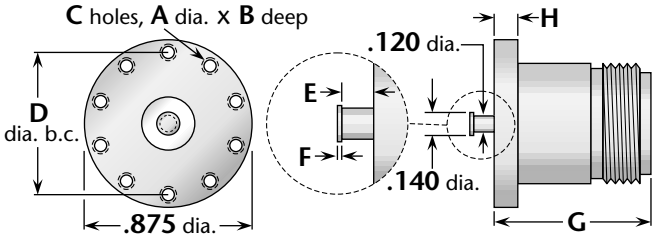


Figure 2

Figure	Dimensions								Plating		Delta P/N
	A	B	C	D	E	F	G	H	Body	Contact	
1	#2-56	.250	7	.560	#0-80	.125	.734	.422	Nickel	Silver	1156-000-N000
1	.078	.313	7	.500	.063	.156	.734	.656	Nickel	Silver	1156-000-N000-2
1	#2-56	.250	7	.560	#2-56	.125	.734	.422	Nickel	Silver	1156-000-N000-3
2	#2-56	.125	10	.734	.125	.010	.816	.125	Nickel	Silver	1157-000-N000-3

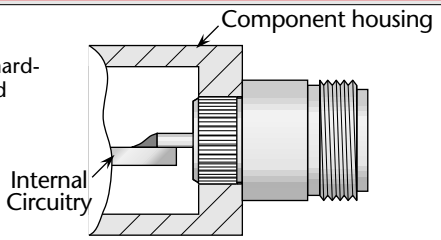
(C) in contact plating column indicates captive contact.

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 can be used in packages as small as the outer diameter of the connector body.



PressMount Receptacles—Jack Type

Figure 1
(Post contact)

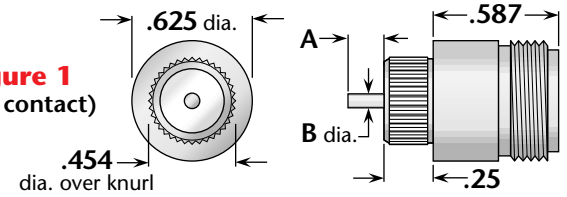


Figure 2
(Tab contact)

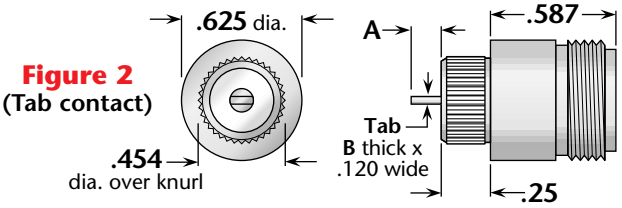


Figure 3
(Solder pot contact)

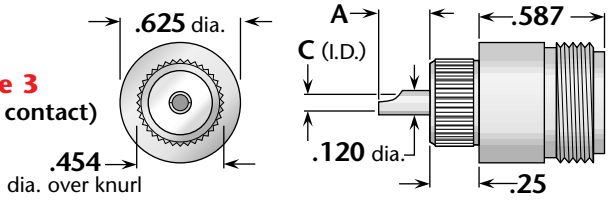


Figure	Dimensions		Min. Panel	Mounting Hole	Plating		Delta P/N
	A	B			Body	Contact	
1	.110	.050	.200	.450 ±.001 dia.	Nickel	Gold (C)	1120-000-N911-2
2	.100	.005/.008	.200	.450 ±.001 dia.	Nickel	Gold (C)	1120-000-N911-3
3	.285	.100	.200	.450 ±.001 dia.	Nickel	Gold (C)	1120-000-N911-4

PressMount Receptacles—Plug Type

Figure 1
(Post contact)

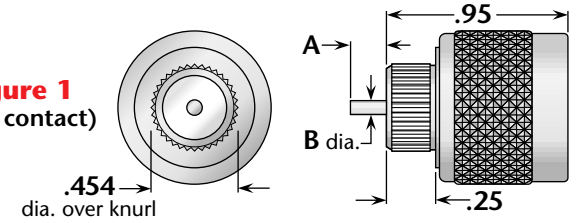


Figure 2
(Tab contact)

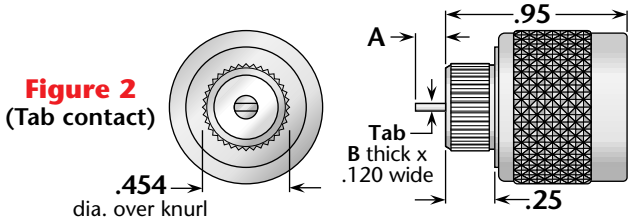


Figure 3
(Solder pot contact)

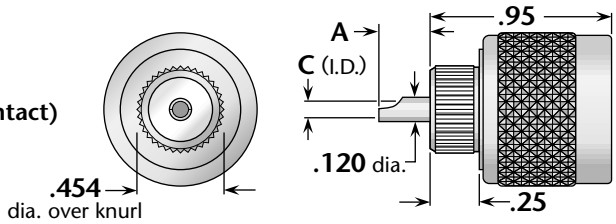
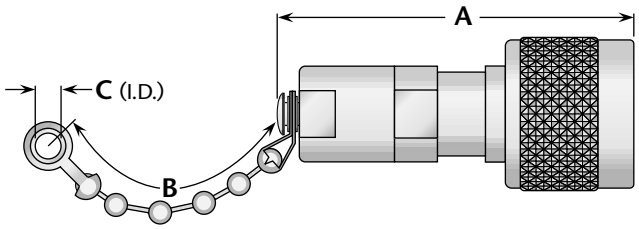


Figure	Dimensions		Min. Panel	Mounting Hole	Plating		Delta P/N
	A	B			Body	Contact	
1	.110	.050	.200	.450 ±.001 dia.	Nickel	Gold (C)	1124-000-N911-1
2	.100	.005/.008	.200	.450 ±.001 dia.	Nickel	Gold (C)	1124-000-N911-2
3	.285	.100	.200	.450 ±.001 dia.	Nickel	Gold (C)	1124-000-N911

(C) in contact plating column indicates captive contact.

Resistive Termination (Plug Type)



Resistor	Dimensions			Features	Plating		Delta P/N
	A	B	C		Body	Contact	
50Ω ±1%, 1 Watt	1.78	—	—	No chain	Nickel	Silver (C)	1151-000-N000-3
50Ω ±1%, 1 Watt	1.87	5.00	.144		Nickel	Gold (C)	1151-000-N000-10
51Ω ±5%, 1/2 Watt	1.61	3.50	.144		Nickel	Silver (C)	1131-000-N000
51Ω ±5%, 1/2 Watt	1.67	—	—	No chain	Nickel	Silver (C)	1131-000-N00A
51Ω ±5%, 1 Watt	1.87	3.75	.144		Nickel	Silver (C)	1151-000-N000
75Ω ±1%, 1 Watt	1.87	5.00	.144		Nickel	Gold (C)	1151-000-N000-11

Dust Caps

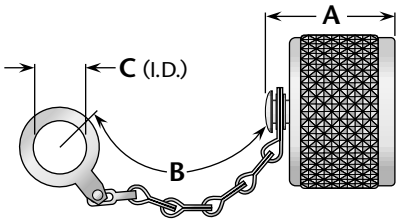


Figure 1
(Shown with safety chain)

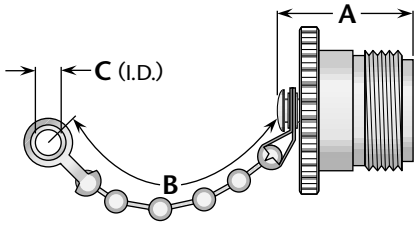
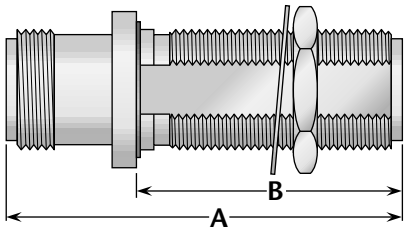


Figure 2
(Shown with bead chain)

Figure	Dimensions			Features	Plating		Delta P/N
	A	B	C		Body	Contact	
1	.56	2.25	.144	Bead chain	Nickel	—	MX-913/U
1	.56	2.25	.144	Bead chain	Silver	—	M39012/25-0011
1	.56	3.75	.635	Safety chain	Silver	—	M39012/25-0012
1	.84	2.50	.170	Bead chain / shorting type	Nickel	Silver (C)	1132-000-N00C-2
2	.72	3.50	.500	Bead chain	Nickel	—	1133-000-N000
2	.91	2.50	.170	Bead chain / shorting type	Nickel	Silver (C)	1133-000-N00C

(C) in contact plating column indicates captive contact.
Caps and terminations are available with other chain styles and/or resistances.

Bulkhead and Panel Mounted Jack–Jack Adapters
(Connect two plugs)



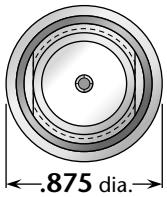
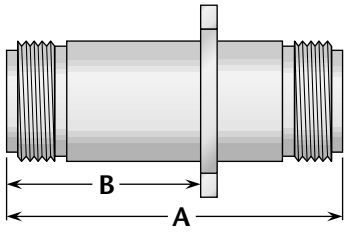


Figure 1
(Bulkhead mount, hermetically sealed)



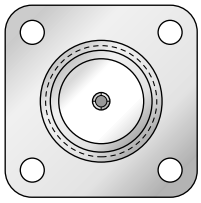


Figure 2
(Panel mount)

Figure	Dimensions		Max. Panel	Mounting Figure	Plating		Delta P/N
	A	B			Body	Contact	
1	1.54	.863	.25	72	Nickel	Silver (C)	UG-30D/U
1	1.54	.863	.25	72	Nickel	Silver (C)	UG-30E/U
1	1.54	.863	.25	72	Silver	Gold (C)	M55339/04-00030
1	2.06	1.375	.75	72	Nickel	Silver (C)	1126-000-N728
2	1.75	1.00	—	33	Nickel	Silver (C)	1125-000-N330

Straight Adapters

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

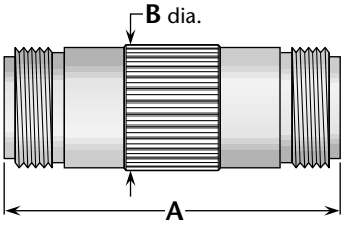


Figure 2
(Straight plug–plug; connects two jacks)

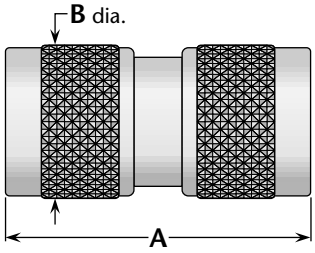


Figure 3
(Straight jack–plug; connects one plug and one jack)

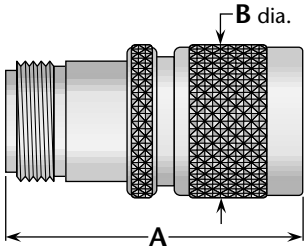


Figure	Dimensions		Plating		Delta P/N
	A	B	Body	Contact	
1	1.75	.66	Nickel	Silver (C)	UG-29B/U
1	1.75	.66	Silver	Gold (C)	M55339/07-00029
2	1.59	.78	Nickel	Silver (C)	UG-57B/U
2	1.59	.78	Silver	Gold (C)	M55339/05-00057*
3	1.56	.78	Nickel	Silver (C)	1134-000-N000

* Lockwire holes in coupling nut.

(C) in contact plating column indicates captive contact.

Right Angle Adapters

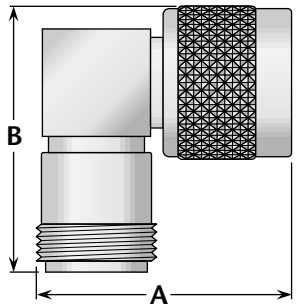


Figure 1
(Right angle plug–jack; connects one plug and one jack)

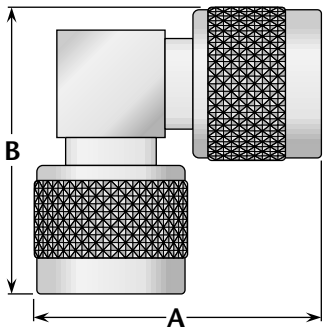


Figure 2
(Right angle plug–plug; connects two jacks)

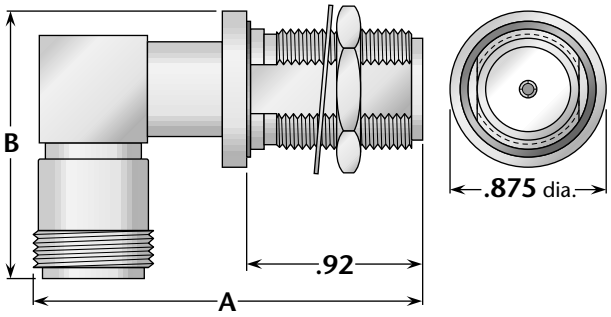


Figure 3
(Bulkhead mounted right angle jack–jack; connects two plugs)

Figure	Dimensions		Max. Panel	Mounting Figure	Plating		Delta P/N
	A	B			Body	Contact	
1	1.30	1.38	—	—	Nickel	Silver (C)	UG-27C/U
1	1.38	1.30	—	—	Nickel	Gold (C)	UG-27D/U
1	1.38	1.30	—	—	Silver	Gold (C)	M55339/03-00027*
2	1.39	1.39	—	—	Nickel	Silver (C)	1137-000-N000
3	2.13	1.36	.25	72	Nickel	Gold (C)	UG-202A/U

* Lockwire holes in coupling nut.

Tee Adapters

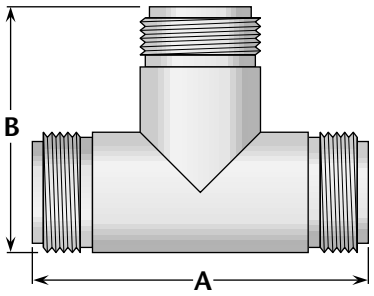


Figure 1
(Tee jack–jack–jack; connects three plugs)

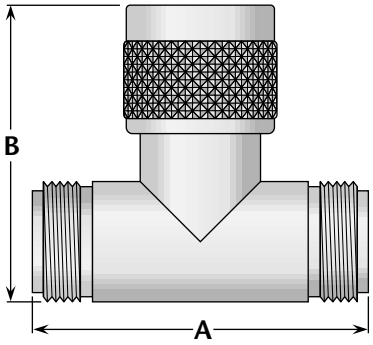


Figure 2
(Tee jack–plug–jack; connects two plugs and one jack)

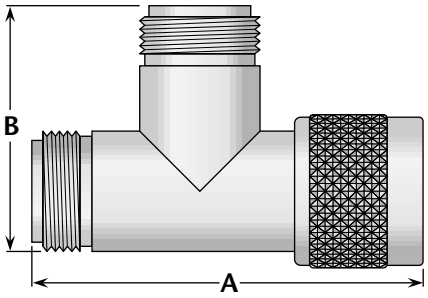


Figure 3
(Tee jack–jack–plug; connects two plugs and one jack)

Figure	Dimensions		Plating		Delta P/N
	A	B	Body	Contact	
1	1.75	1.22	Nickel	Silver (C)	UG-28A/U
1	1.75	1.22	Silver	Gold (C)	M55339/06-00028
2	1.75	1.47	Nickel	Silver (C)	UG-107B/U
2	1.75	1.47	Silver	Gold (C)	M55339/06-00001
3	2.03	1.22	Nickel	Gold (C)	1149-000-N001-1

(C) in contact plating column indicates captive contact.

Straight Plug—Military Clamp for Flexible Cable

Figure 1

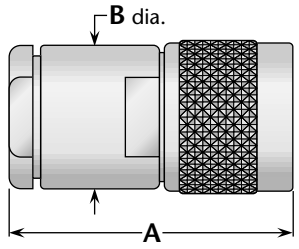
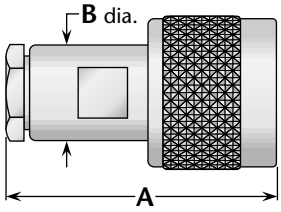


Figure 2



Cable Group	Figure	Dimensions		Plating		Delta P/N	Assembly Procedure/ Trim Code
		A	B	Body	Contact		
2B, 3B	1	1.80	.69	Nickel	Silver	UG-94A/U	C/01
7	2	1.38	.50	Nickel	Silver	1801-021-N000	A/02

Straight Jack—Military Clamp for Flexible Cable

Figure 1

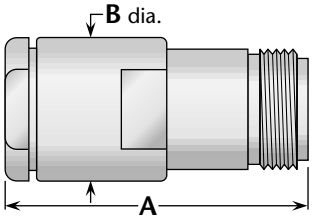
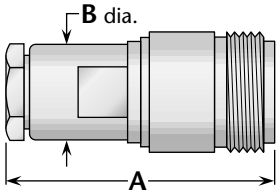


Figure 2



Cable Group	Figure	Dimensions		Plating		Delta P/N	Assembly Procedure/ Trim Code
		A	B	Body	Contact		
2B, 3B	1	1.88	.69	Nickel	Gold	UG-95A/U	C/08
7	2	1.41	.50	Nickel	Silver	1808-021-N000	A/02

Bulkhead Jacks—for Flexible Cable

Figure 1
(Military clamp)

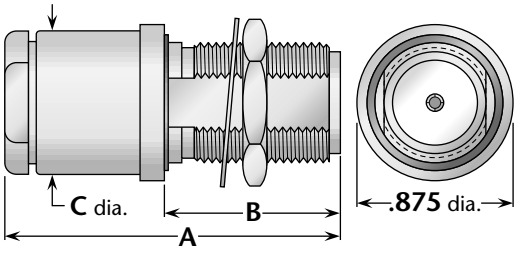
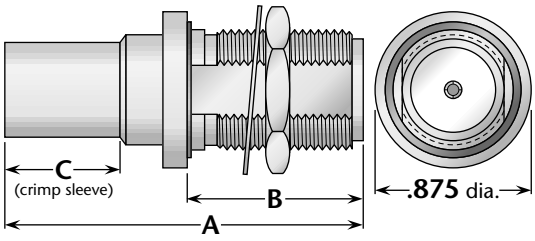


Figure 2
(Crimp)



Cable Group	Fig.	Dimensions			Mounting Figure	Max. Panel	Plating		Delta P/N	Assembly Procedure/ Trim Code
		A	B	C			Body	Contact		
2B, 3B	1	1.84	.92	.69	72	.25	Nickel	Gold	1816-003-N720	C/08
7	1	1.47	.92	.50	72	.25	Nickel	Silver (C)	1816-021-N721	A/14
2B, 3B	2	1.84	.92	.60	72	.25	Nickel	Gold	1819-003-N720	B/03
7	2	1.59	.92	.50	72	.25	Nickel	Silver	1819-020-N720	B/14

(C) in contact plating column indicates captive contact.

Panel Receptacle—Solder Pot Contact

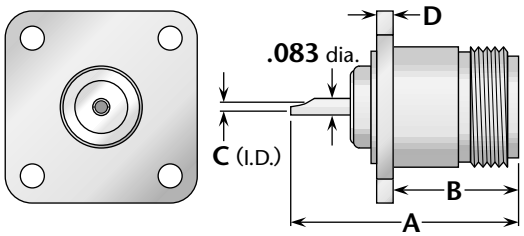


Figure 1
(Straight jack receptacle)

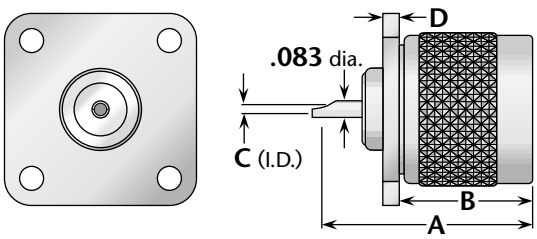


Figure 2
(Straight plug receptacle)

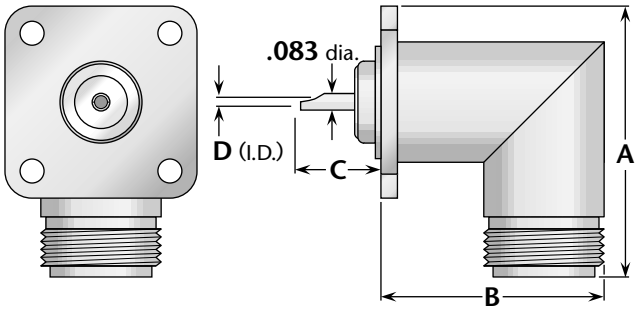


Figure 3
(Right angle jack receptacle)

Figure	Dimensions				Mounting Figure	Plating		Delta P/N
	A	B	C	D		Body	Contact	
1	1.13	.66	.062	.080	33	Nickel	Gold (C)	1813-000-N331
2	1.10	.72	.062	.080	33	Nickel	Silver (C)	1823-000-N331-1
3	1.41	1.16	.30	.050	33	Nickel	Gold (C)	1815-000-N330

Bulkhead Receptacle—Solder Pot Contact

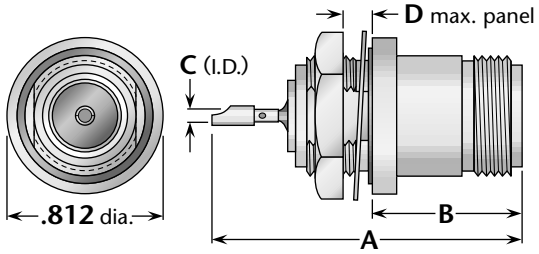


Figure 1
(Front mount, hermetically sealed)

Figure	Dimensions				Mounting Figure	Plating		Delta P/N
	A	B	C	D		Body	Contact	
1	1.62	.707	.099	.250	72	Nickel	Silver (C)	1820-000-N728

(C) in contact plating column indicates captive contact.

Straight Adapters

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

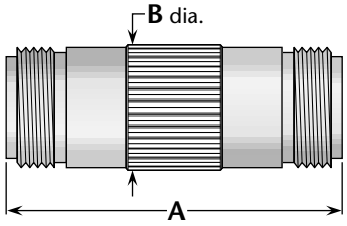


Figure 2
(Straight plug–plug;
connects two jacks)

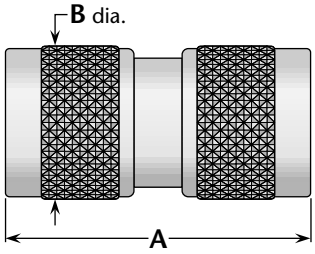
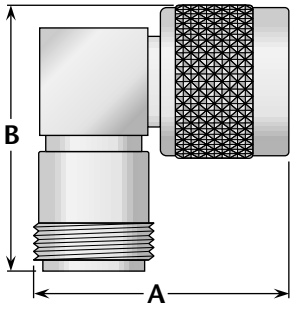


Figure	Dimensions		Plating		Delta P/N
	A	B	Body	Contact	
1	1.75	.66	Nickel	Gold (C)	1828-000-N000
2	1.59	.78	Nickel	Gold (C)	1827-000-N000

Right Angle and Tee Adapters

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



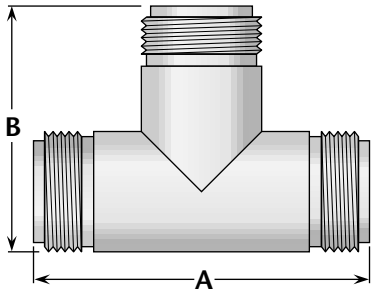


Figure 2
(Tee jack–jack–jack;
connects three plugs)

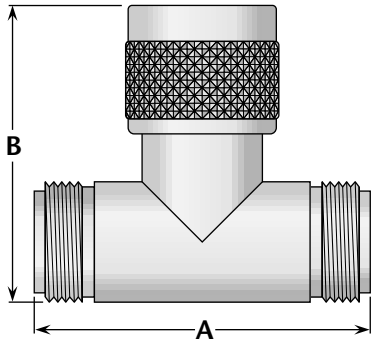


Figure 3
(Tee jack–plug–jack;
connects two plugs and one jack)

Figure	Dimensions		Plating		Delta P/N
	A	B	Body	Contact	
1	1.30	1.38	Nickel	Gold (C)	1829-000-N000
2	1.75	1.22	Nickel	Gold (C)	1838-000-N000
3	1.75	1.47	Nickel	Gold (C)	1830-000-N000

(C) in contact plating column indicates captive contact.

Cable Group Finder

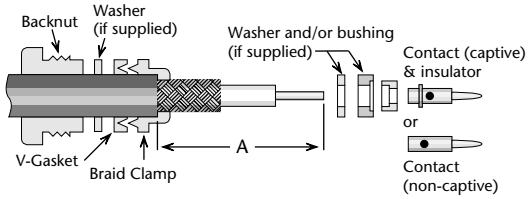
Cable	Group	Cable	Group
RG-5, 5A, B	1A	RG-225	3C
RG-6, 6A	1B	RG-228A	20
RG-8, 8A	2A	RG-302	22
RG-9, 9A, B	3A	RG-303	23
RG-10	15	RG-304	24
RG-11, 11A	2B	RG-316	9A
RG-12	15	RG-316DS	10
RG-13A	3B	RG-393	4
RG-14A	16	RG-400	6A
RG-17A	17	RG-401	12
RG-18A	18	RG-402	13
RG-21, 21A	1A	RG-405	14
RG-22, 22A, B	28	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

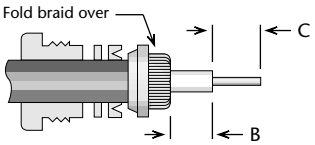
Group		Cables
1	1A	RG-5, 5A, 5B, 21, 21A; M17/73, /162
	1B	RG-6, 6A; M17/2
	1C	RG-143, 143A, 212, 222; M17/73, /112, /162
2	2A	RG-8, 8A, 213; M17/74
	2B	RG-11, 11A; M17/6
3	3A	RG-9, 9A, 9B, 214; M17/75
	3B	RG-13A, 216; M17/77
	3C	RG-225; M17/127
4		RG-393; M17/127
5		RG-58, 58A, 58C, 141, 141A; M17/28, /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 A

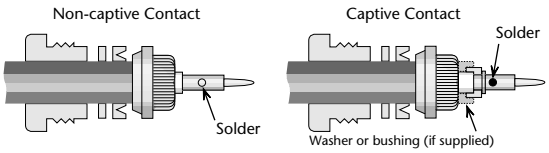
1) Trim cable jacket to dimension A. Slide backnut, washer, V-gasket, and braid clamp onto cable as shown. Cable jacket should bottom on step in braid clamp.



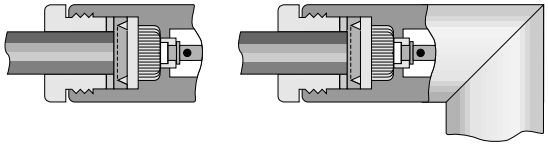
2) Comb braid wires out straight and fold back over front shoulder of braid clamp (braid wires should not overlap one another after folding). Trim braid wires flush with step of braid clamp. Trim cable dielectric and center conductor to dimensions B and C.



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



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

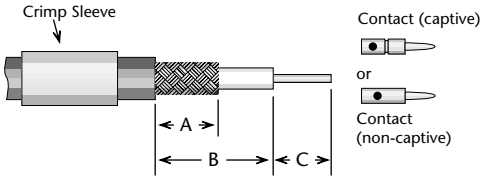


Trim Codes For Assembly Procedure A

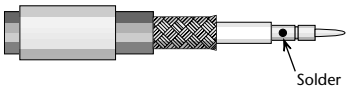
Code	A	B	C	Code	A	B	C
A/01	.375 (3/8)	.047 (3/64)	.203 (13/64)	A/20	.375 (3/8)	.047 (3/64)	.172 (11/64)
A/02	.375 (3/8)	.109 (7/64)	.203 (13/64)	A/21	.500 (1/2)	.313 (5/16)	.172 (11/64)
A/03	.438 (7/16)	.250 (1/4)	.188 (3/16)	A/22	.375 (3/8)	.188 (3/16)	.141 (9/64)
A/04	.281 (9/32)	.047 (3/64)	.125 (1/8)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

Assembly Procedure B

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



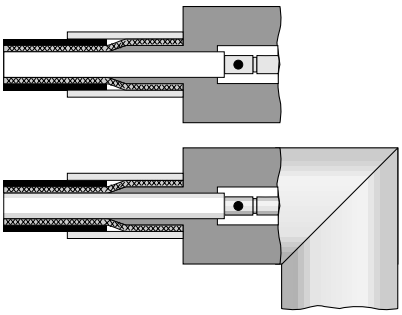
2) If support insulator is provided for RG-62 or 71 cable, insert into hollow in dielectric. Solder contact onto center conductor; back of contact flush with trimmed end of cable dielectric (omit this step for right angle connectors with access caps). Flare cut end of braid slightly by rotating dielectric.



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

Trim excess braid wires even with shoulder of body. Slide crimp sleeve forward until flush with body and crimp (see page 176 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.

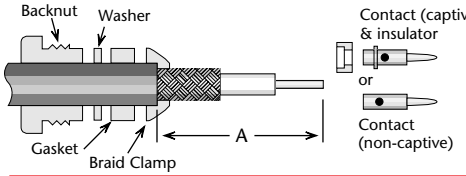


Trim Codes For Assembly Procedure B

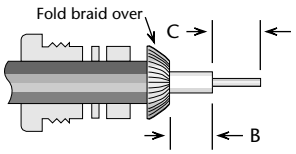
Code	A	B	C	Code	A	B	C
B/01	.320	.470	.140	B/20	.250	.375	.156
B/02	.422	.578	.172	B/21	.425	.550	.156
B/03	.406	.500	.187	B/22	.375	.500	.156
B/04	.285	.505	.140	B/23	.281	.469	.125
B/05	.335	.460	.140	B/24	.250	.700	.109
B/06	.187	.437	.219	B/25	.343	.775	.125
B/07	.422	.610	.156	B/26	.343	.437	.109
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

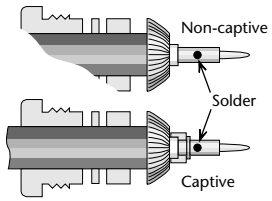
Trim Codes			
Code	A	B	C
C/01	.656 (21/32)	.141 (9/64)	.250 (1/4)
C/02	.500 (1/2)	.125 (1/8)	.250 (1/4)
C/03	.450	.136	.187
C/04	.375 (3/8)	.109 (7/64)	.125 (1/8)
C/05	.375 (3/8)	.062 (1/16)	.250 (1/4)
C/06	.500 (1/2)	.188 (3/16)	.125 (1/8)
C/07	.575	.438	.094
C/08	.625 (5/8)	.141 (9/64)	.219 (7/32)



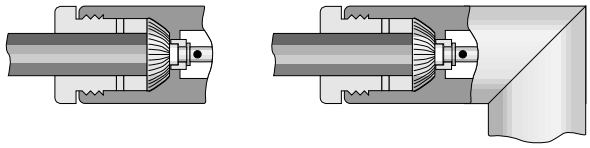
1) Trim cable jacket to dimension A. Slide backnut, washer, gasket, and braid clamp onto cable as shown. Cable jacket should bottom on step in braid clamp.



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.

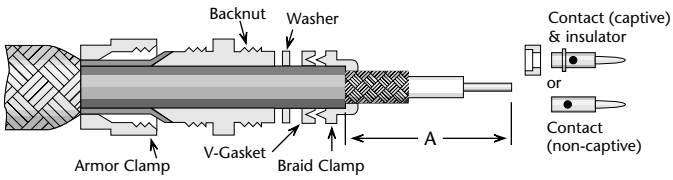


3) If support insulator is provided for RG-62 or 71 cable, insert into hollow in dielectric. Assemble rear insulator (if captive contact) and contact, and solder contact to center conductor. Rear of contact should be flush with cable dielectric end.

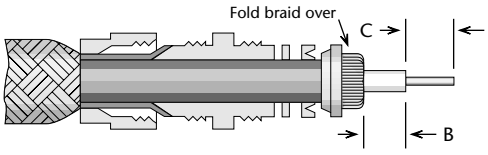


4) Insert prepared cable and hardware into body and tighten backnut. For right angle connectors with access cap, solder cable center conductor to slot in contact and tighten access cap.

Assembly Procedure D

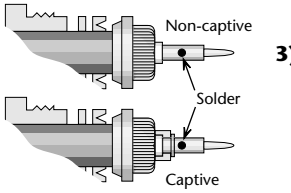


1) Slide armor clamp over cable. Push armor back to expose cable end. Slide backnut, washer (if supplied), gasket, and braid clamp onto cable as shown. Cable jacket should bottom on step in braid clamp. Trim cable jacket to dimension A.

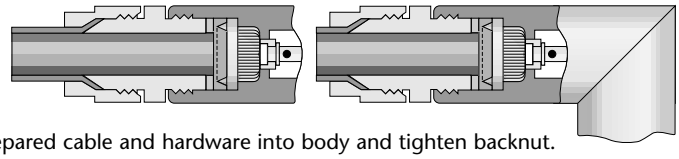


2) Comb braid wires out straight and fold back over front shoulder of braid clamp (braid wires should not overlap one another after folding). Trim braid wires flush with edge of braid clamp. Trim cable dielectric and center conductor to dimensions B and C.

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)



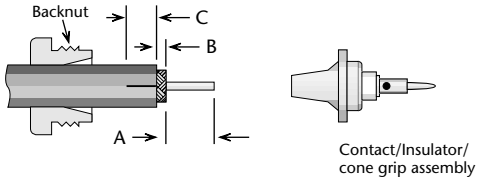
3) Assemble rear insulator (if captive contact) and contact, and solder contact to center conductor. Rear of contact should be flush with cable dielectric end.



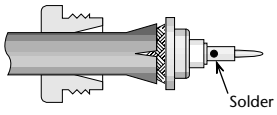
4) Insert prepared cable and hardware into body and tighten backnut. Trim armor to fit between armor clamp and braid clamp. Tighten armor clamp.

Assembly Procedure E

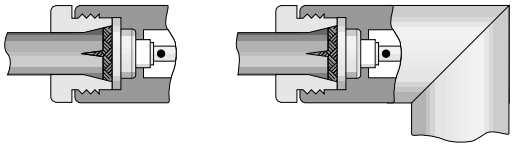
Trim Codes			
Code	A	B	C
E/01	.250 (1/4)	.141 (9/64)	.313 (5/16)
E/02	.219 (7/32)	.063 (1/16)	.250 (1/4)
E/03	.250 (1/4)	.031 (1/32)	.250 (1/4)



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.



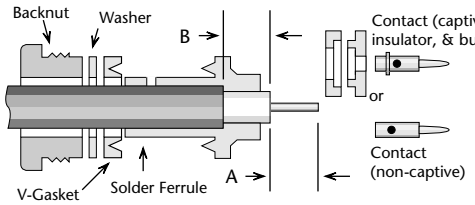
2) Slide cone/insulator/contact assembly under braid until braid is flush with shoulder. Solder contact to center conductor.



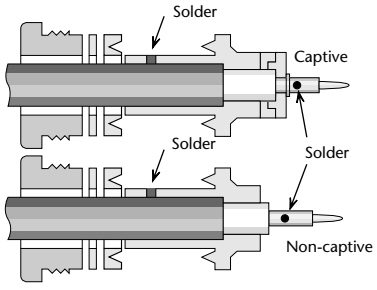
3) Insert prepared cable and hardware into body; tighten assembly by holding nut stationary and turning body.

Assembly Procedure F

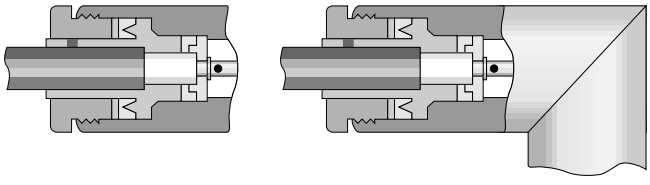
Trim Codes		
Code	A	B
F/01	.250 (1/4)	.219 (7/32)
F/02	.250 (1/4)	.172 (11/64)
F/03	.188 (3/16)	.188 (3/16)
F/04	.109 (7/64)	.265 (17/64)
F/05	.156 (5/32)	.250 (1/4)
F/06	.219 (7/32)	.250 (1/4)
F/07	.156 (5/32)	.172 (11/64)
F/08	.109 (7/64)	.219 (7/32)



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.

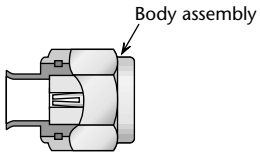


2) Solder ferrule to cable jacket as shown. Retrim cable dielectric to proper length if it has extruded from soldering heat. Slide bushing and rear insulator over cable dielectric if captive contact. Solder contact onto center conductor; back of contact flush with trimmed end of cable dielectric.

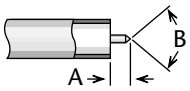


3) Insert prepared cable and hardware into body and tighten backnut.

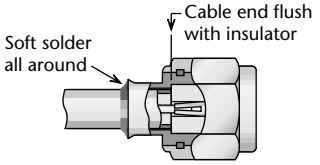
Assembly Procedure I



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



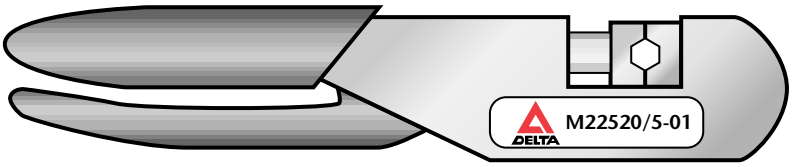
1) Trim cable as shown. Remove any burrs from jacket and center conductor.



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

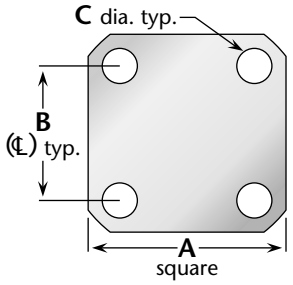
Plug body assembly and contact shown; procedure is identical for jack connectors.

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

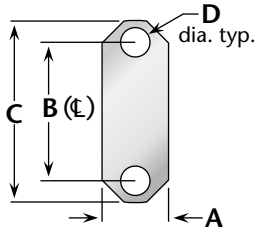
Connector Flanges
(Panel mounted connectors)



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

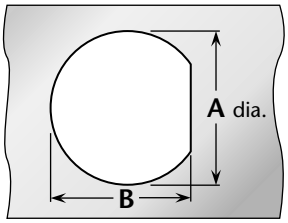
* Countersunk to .245 dia.



2-hole flanges

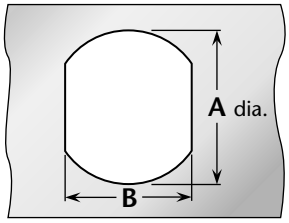
Figure	A	B	C	D
92	.223	.481	.625	.102
92A	.260	.481	.625	.102
95	.640	1.015	1.30	.125

Panel Cutouts
(Bulkhead mounted connectors)



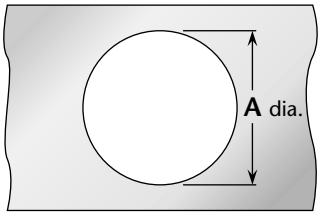
D-Hole

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

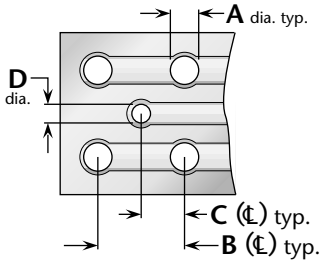
Figure	A	B
69	.755	.692
72	.630	.536
75	.380	.341
84	.319	.278



Round Hole

Figure	A
82	.255
89	.380

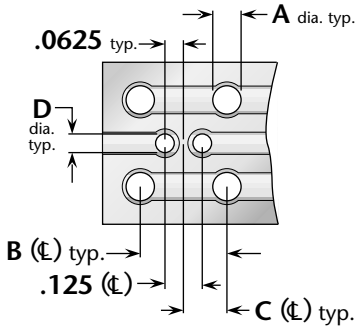
P.C. Board Drilling



(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

Warranty

We warrant our parts to be free from defects in materials and workmanship for one year from date of purchase. During that time, we will repair or replace (at our option) any parts found to be defective.

This warranty does not apply to parts which have been modified, used in conditions exceeding Delta or military specifications, or disassembled. We will not, under any circumstances, be responsible for consequential or incidental damages or installation costs.

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