DELTA ELECTRONICS MFG. CORP.
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7/16 Connectors

ONLINE CATALOG

Contents

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(978) 927-1060 • FAX (978) 922-6430 • www.DeltaRF.com
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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

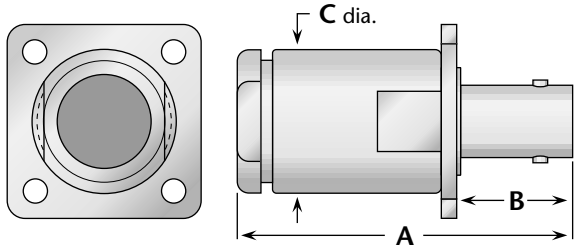


Figure 1

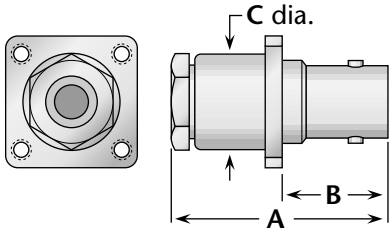


Figure 2

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 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 7/16 series connectors are medium size, 50Ω impedance connectors with M29 x 1.5 metric threaded coupling. These rugged connectors conform to DIN 47223, and feature good power-handling capability along with VSWR as low as 1.07:1 @ 2 GHz.

Because these connectors are designed to minimize signal distortion from intermodulation, silver plating is standard. The optional Albaloy plating provides greatly increased tarnish resistance while preserving the connectors' low intermodulation characteristics; optional nickel plating should only be specified when low intermodulation is not a concern in your system design.

As with our other connector series, Delta's *customer-driven design* results in 7/16 series connectors with practical and unique features that make your design and assembly process easier. Some of these include:

- *VersaCom* cable connectors (page 10) let you stock various body and cable attachment subassemblies, and assemble them into straight or right angle connectors as needed.
- *PressMount* receptacles (pages 11 and 13) 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 type N connectors, letting you drill one hole pattern and mount BNC, N, SMA, TNC, or 7/16 series connectors as needed.
- All Delta 7/16 series plugs feature a coupling nut with a knurled surface for secure grip when hand-tightening, *and* a hex for tightening with a wrench. All can be supplied with full-length hex coupling nuts as well.

Our 7/16 series product line is still growing, so please call if you don't see what you need.

7/16 Specifications*

Electrical:

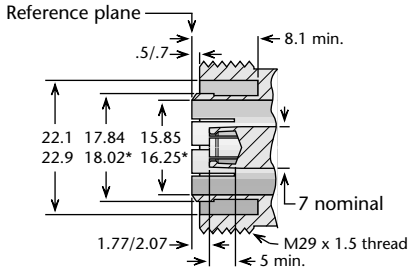
Nominal Impedance: 50 ohms.
Frequency Range: DC–7.5 GHz.
Voltage Rating: 2,700 volts RMS.
Dielectric Withstanding Voltage: 4,000 VRMS.
Insulation Resistance: 10,000 megohms.

Materials/Finishes:

Insulators: Teflon per ASTM-D-1710.
Male Contacts: Brass per ASTM-B-16.
Female Contacts: Spring Brass per ASTM-B-16, or phosphor bronze per ASTM-B-139
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-B-16, plated Silver per QQ-S-365.

Jack Interface**

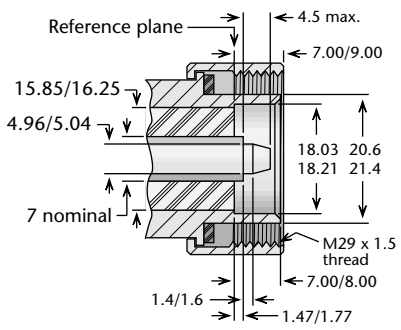
(All dimensions in millimeters.)



* Dimensions before slotting.
Inner and outer contacts slotted and flared to meet performance requirements.

Plug Interface**

(All dimensions in millimeters.)



All other specifications are in accordance with the latest issues of DIN 47223 or other applicable IEC, VG, or CECC specifications.

*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)

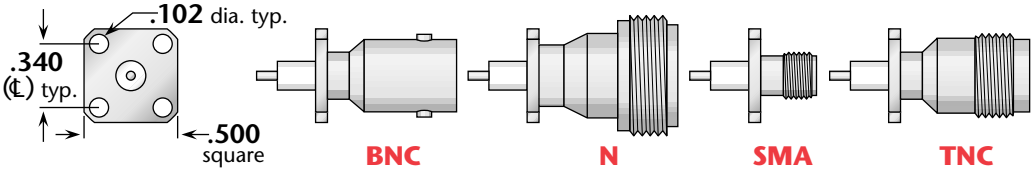
Does it make sense that you have to drill your components with different mounting hole patterns whenever you need to ship them with a different connector series attached?

We didn't think so, either.

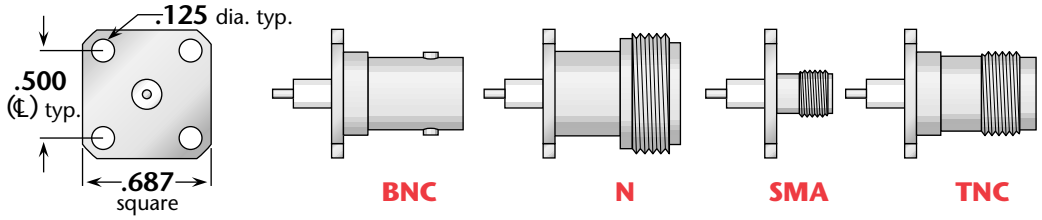
That's why we offer a wide range of connectors in different series with common flange sizes and contact/insulator configurations. Now you can streamline your production process and shorten your delivery cycle—just predrill your components with one mounting hole pattern, and ship them with the connectors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

Flange Sizes and Available Interfaces

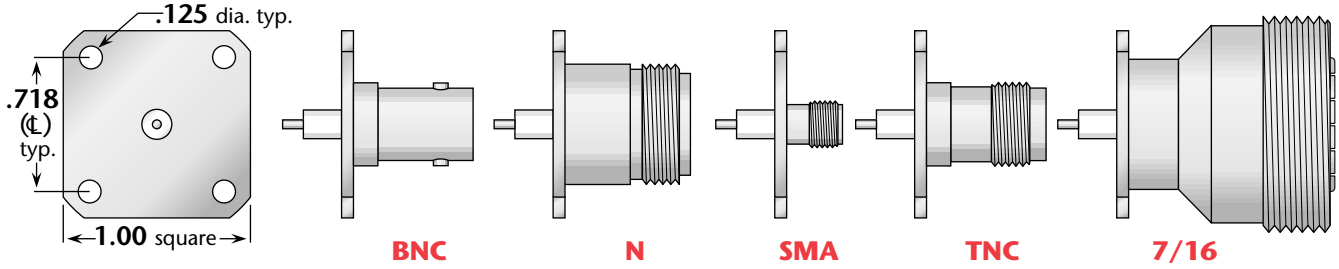
½" square flange (Delta mounting figure 05)—standard flange size for SMA



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



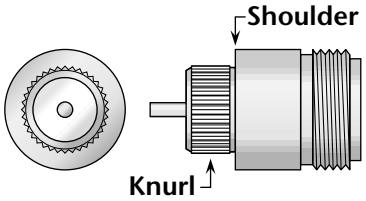
1" square flange (Delta mounting figure 33)—standard flange size for type N



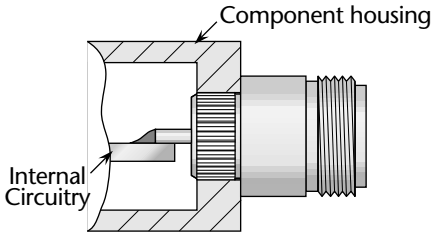
These connectors are available with a wide variety of post, tab, solder pot, or slotted contacts.

Delta PressMount Receptacles

Connector design



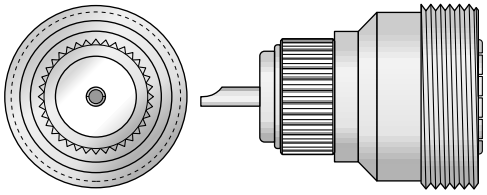
As mounted on component



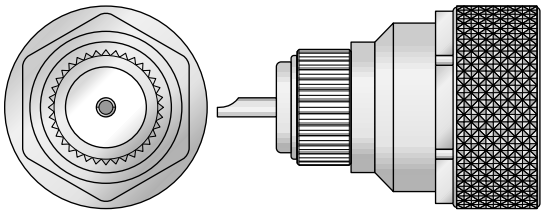
Delta PressMount receptacles eliminate the need for complicated mounting hole patterns and mounting hardware. They are simply pressed into a single through hole, and can be used in component housings as small as the outer diameter of the connector. An integral shoulder provides a positive depth stop 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 7/16 PressMount Receptacles



7/16 jack
(Solder pot or post contact—page 11)



7/16 plug
(Post contact—page 13)

Straight Plug—For Flexible and Semi-Rigid Cable

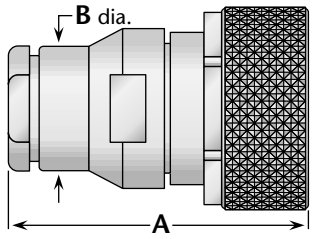


Figure 1
(Clamp type for flexible cable)

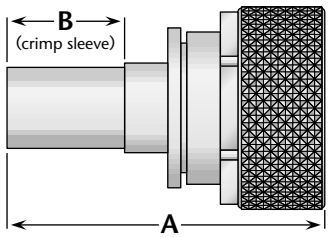


Figure 2
(Crimp type for flexible cable)

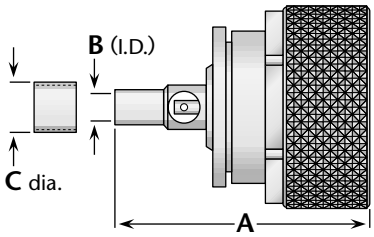


Figure 3
(Solder type for semi-rigid cable)

Cable Group	Figure	Dimensions			Plating		Delta P/N	Assembly Procedure/ Trim Code
		A	B	C	Body	Contact		
2, 3	1	1.85	.75	—	Silver	Gold (C)	9201-004-A001	A/01
4	1	1.85	.75	—	Silver	Gold (C)	9201-079-A001	A/01
3, 4	2	1.89	.63	—	Silver	Silver (C)	9203-005-A001	***
12	3	1.72	.254	.387	Silver	Silver (C)	9201-050-A003-2	***
13	3	1.59	.148	.319	Silver	Silver (C)	9201-031-A003	***

Right Angle Plug—For Flexible and Semi-Rigid Cable

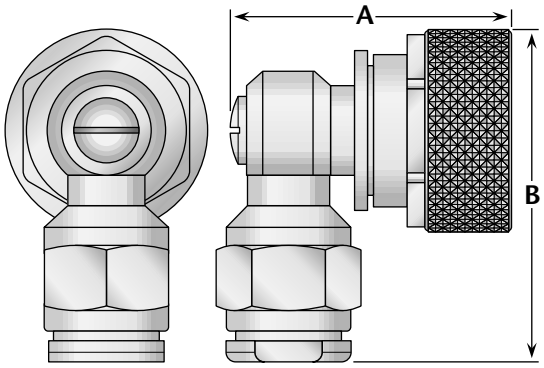


Figure 1
(Clamp type for flexible cable
or solder-clamp for semi-rigid cable)

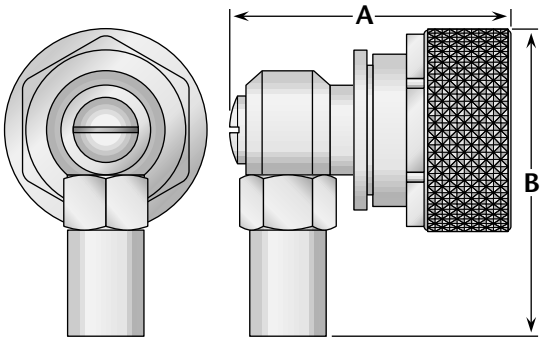


Figure 2
(Crimp type for flexible cable)

Cable Group	Figure	Dimensions		Plating		Delta P/N	Assembly Procedure/ Trim Code
		A	B	Body	Contact		
2, 3	1	1.68	2.04	Silver	Silver (C)	9205-005-A001-2	A/35
4	1	1.68	2.04	Silver	Silver (C)	9205-079-A001-1	A/35
5, 6	1	1.68	1.53	Silver	Silver (C)	9205-015-A001	A/36
12	1	1.68	2.04	Silver	Silver (C)	9205-050-A003-1	***
13	1	1.68	1.53	Silver	Silver (C)	9205-031-A003	***
3, 4	2	1.68	1.86	Silver	Silver (C)	9207-005-A001	B/31
5	2	1.68	1.73	Silver	Silver (C)	9207-017-A001	B/31
6	2	1.68	1.73	Silver	Silver (C)	9207-015-A001	B/31

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

Panel Mounted Jacks—For Flexible and Semi-Rigid Cable

Figure 1
(Crimp type for flexible cable, standard flange)

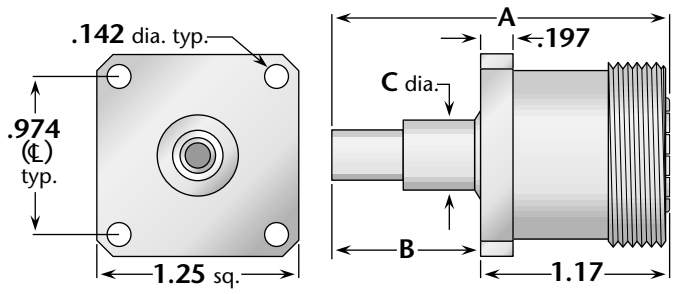


Figure 2
(Crimp type for flexible cable, 1" square flange; interchangeable with type N standard flange)

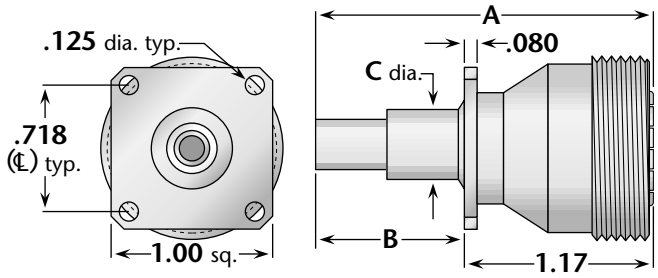


Figure 3
(Solder type for semi-rigid cable, standard flange, with 'O' ring seal)

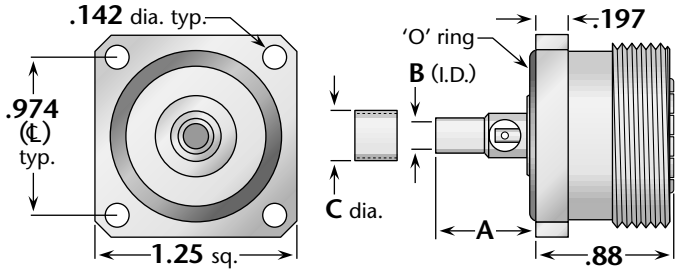
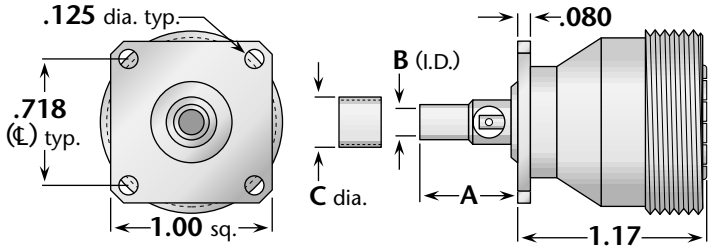


Figure 4
(Solder type for semi-rigid cable, 1" square flange; interchangeable with type N standard flange)



Cable Group	Figure	Dimensions			Plating		Delta P/N	Assembly Procedure/ Trim Code
		A	B	C	Body	Contact		
3, 4	1	2.34	1.17	.625	Silver	Silver	9255-005-A911	B/19
6	1	2.21	1.04	.625	Silver	Silver	9255-015-A911	B/19
3, 4	2	2.34	1.17	.625	Silver	Silver	9255-005-A331	B/19
6	2	2.21	1.04	.625	Silver	Silver	9255-015-A331	B/19
12	3	.60	.254	.387	Silver	Silver (C)	9211-050-A911-1	***
13	3	.60	.148	.319	Silver	Silver (C)	9211-031-A911-1	***
12	4	.60	.254	.387	Silver	Gold (C)	9211-050-A331	***
13	4	.60	.148	.319	Silver	Gold (C)	9211-031-A331	***

(C) in contact plating column indicates captive contact. • ***Contact factory for cable assembly instructions.
7/16 connectors with 1" square flanges have lower maximum power rating than standard-flange connectors—contact factory for details.

Bulkhead Mounted Jacks—For Flexible and Semi-Rigid Cable

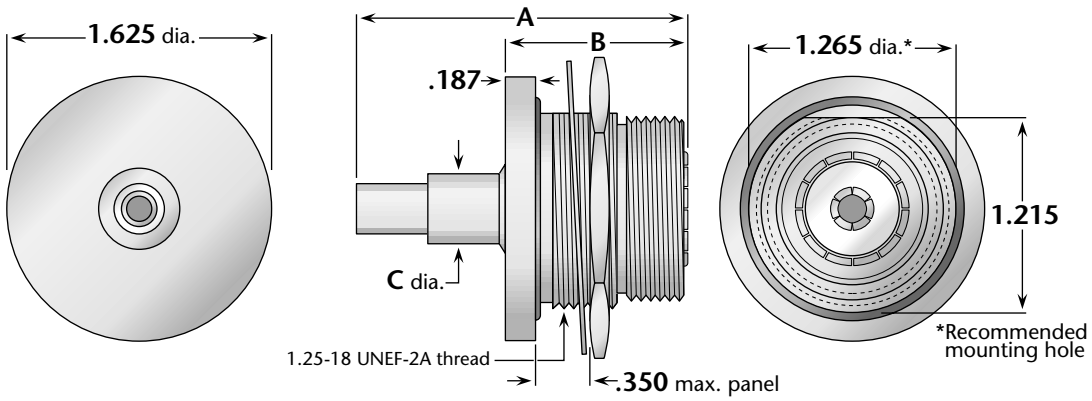


Figure 1
(Crimp type for flexible cable)

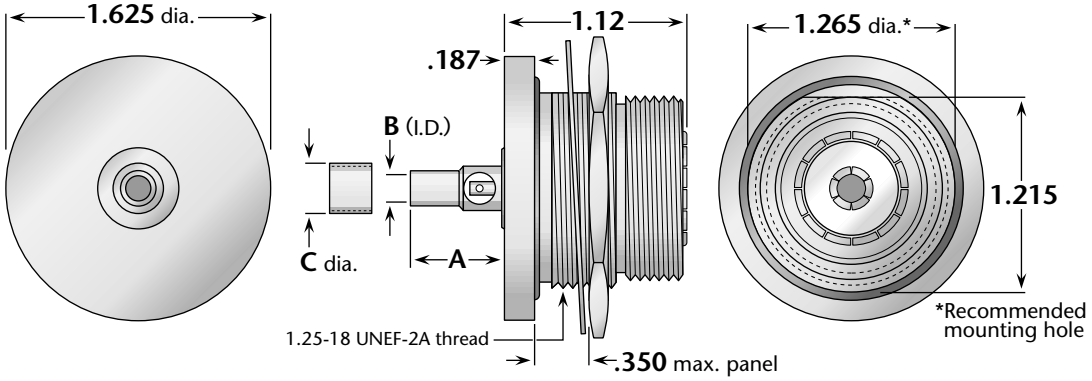


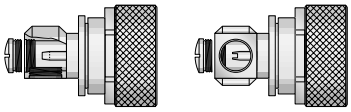
Figure 2
(Solder type for semi-rigid cable)

Cable Group	Figure	Dimensions			Plating		Delta P/N	Assembly Procedure/ Trim Code
		A	B	C	Body	Contact		
3, 4	1	2.34	1.17	.625	Silver	Silver (C)	9219-005-A911	B/19
12	2	.47	.254	.387	Silver	Silver (C)	9216-050-A911	***
13	2	.60	.148	.319	Silver	Silver (C)	9216-031-A911	***

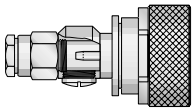
***Contact factory for cable assembly instructions. • (C) in contact plating column indicates captive contact.

The Delta Versatile Combination Connector System

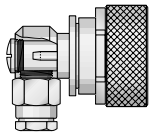
By purchasing VersaCom body assemblies and cable fittings, you can easily assemble straight or right angle connectors as needed—eliminating separate stocks of complete connectors with different body styles and cable attachments



Body assembly (plug type, side and bottom views)



Body assembly and clamp type cable fitting, combined in straight configuration



Same parts in right-angle configuration.

VersaCom Body Assemblies

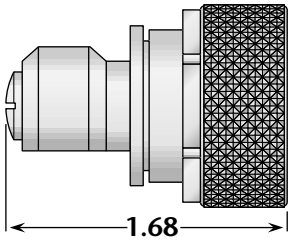


Figure 1

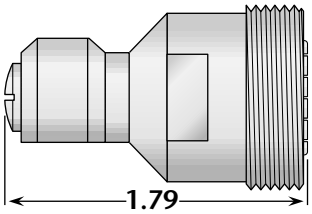
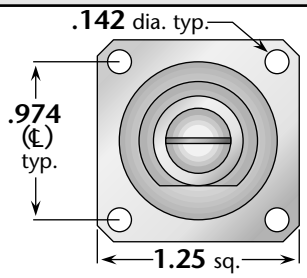


Figure 2



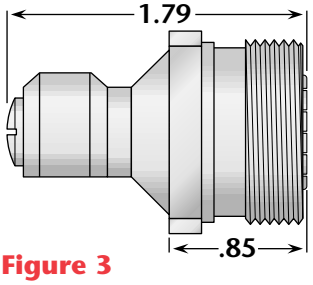


Figure 3

Body Style	Figure	Body Plating	Contact Plating	Delta P/N
Plug	1	Silver	Silver (C)	9203-000-A001
Jack	2	Silver	Silver (C)	9208-000-A001
Panel Jack	3	Silver	Silver (C)	9211-000-A911-1

Cable Fittings for VersaCom Connectors

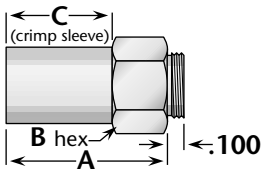


Figure 1
(Crimp type for flexible cable)

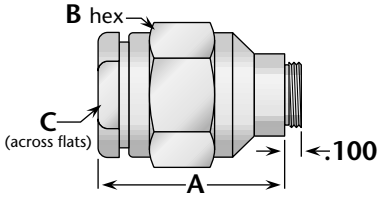


Figure 2
(Clamp type for flexible cable or solder-clamp for semi-rigid cable)

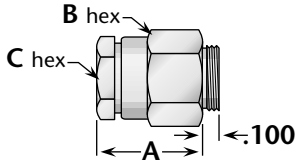


Figure 3
(Clamp type for flexible cable or solder-clamp for semi-rigid cable)

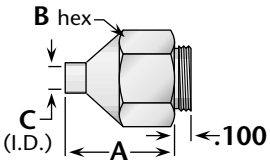


Figure 4
(Direct solder for semi-rigid cable)

Cable Group	Figure	Dimensions			Plating	Delta P/N	Assembly Procedure/ Trim Code
		A	B	C			
2	1	.96	.50	.63	Silver	10-10676-01-AG	B/31
2, 3	2	1.14	.75	.625	Silver	10-10681-01-AG	A/35
3, 4	1	.96	.50	.63	Silver	10-10677-01-AG	B/31
4	2	1.14	.75	.625	Silver	10-10682-01-AG	A/35
5, 6	3	.63	.50	.437	Silver	10-10683-01-AG	A/36
5	1	.83	.50	.50	Silver	10-10678-01-AG	B/31
6	1	.83	.50	.50	Silver	10-10679-01-AG	B/31
7	1	.83	.50	.50	Silver	10-10680-01-AG	B/31
7	3	.63	.50	.437	Silver	10-10684-01-AG	A/36
12	2	1.14	.75	.625	Silver	10-10685-01-AG	***
12	4	.63	.50	.254	Silver	10-10681-01-AG	***
13	3	.63	.50	.437	Silver	10-10686-01-AG	***
13	4	.63	.50	.143	Silver	10-10688-01-AG	***

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

Jack Receptacles—Solder Pot Contact

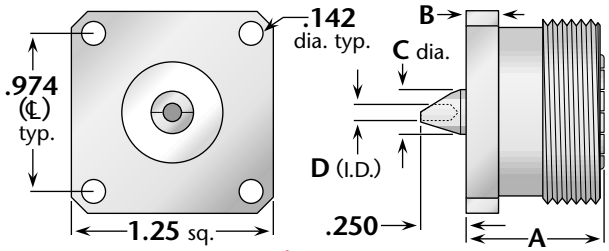


Figure 1
(Standard flange)

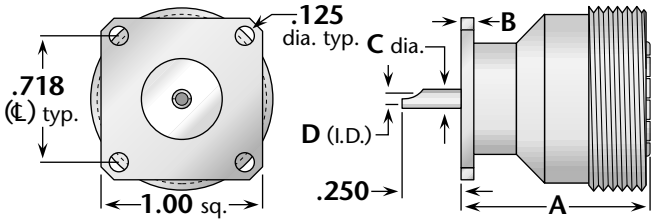
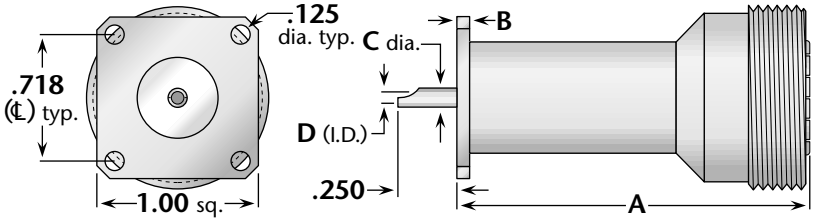
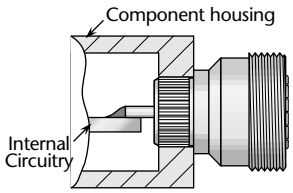


Figure 2
(1" square flange, interchangeable with type N standard flange size)

Figure 3
(1" square flange, interchangeable with type N standard flange size)



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 greater than normal mating and unmating forces. An integral shoulder provides a positive stop when mounting.

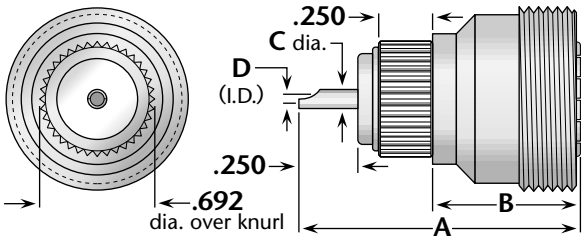


Figure 4
(PressMount)

Figure	Dimensions				Mounting Figure	Plating		Delta P/N
	A	B	C	D		Body	Contact	
1	.850	.197	.274	.100	See above	Silver	Silver (C)	9213-000-A911-3
2	1.17	.080	.120	.100	33	Silver	Gold (C)	9213-000-A911-4
3	2.17	.080	.120	.100	33	Silver	Gold (C)	9213-000-A911-10
4	1.42	.819	.120	.100	.688±.001 dia.	Silver	Gold (C)	9220-000-A911

Panel Jack Receptacle—Threaded Contact

Figure 1
(Standard flange)

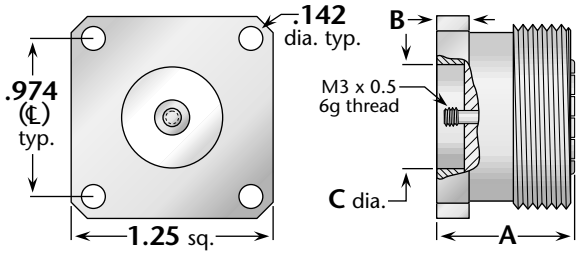


Figure	Dimensions			Mounting Figure	Plating		Delta P/N
	A	B	C		Body	Contact	
1	.850	.197	.630	See above	Silver	Silver (C)	9258-000-A911

(C) in contact plating column indicates captive contact.
7/16 connectors with 1" square flanges have lower maximum power rating than standard-flange connectors—contact factory for details.

Panel Jack Receptacle—Tab Contact

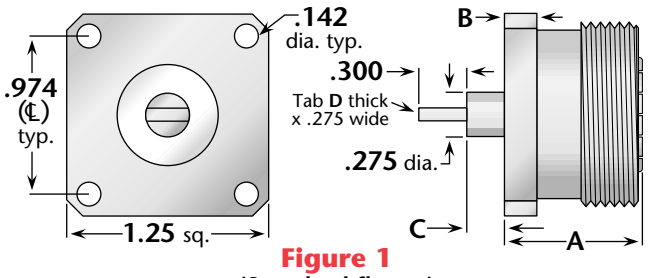


Figure 1
(Standard flange)

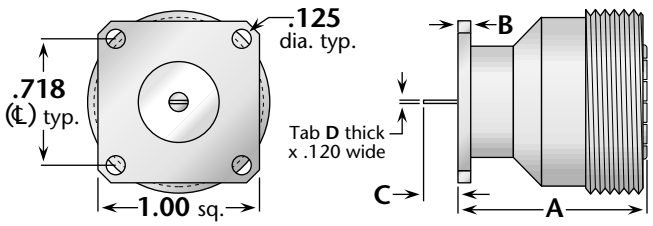


Figure 2
(1" square flange, interchangeable with type N standard flange size)

Figure	Dimensions				Mounting Figure	Plating		Delta P/N
	A	B	C	D		Body	Contact	
1	.850	.197	.200	.100	See above	Silver	Silver (C)	9258-000-A911-6
2	1.17	.080	.100	.005/.008	33	Silver	Gold (C)	9258-000-A331

Panel Jack Receptacle—Slotted Contact

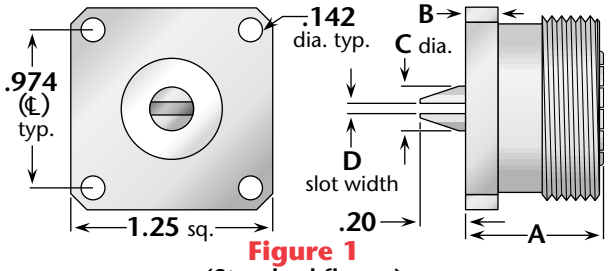


Figure 1
(Standard flange)

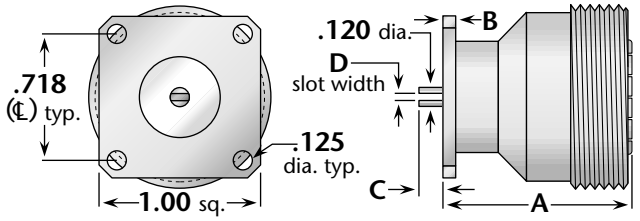


Figure 2
(1" square flange, interchangeable with type N standard flange size)

Figure	Dimensions				Mounting Figure	Plating		Delta P/N
	A	B	C	D		Body	Contact	
1	.850	.197	.276	.095	See above	Silver	Silver (C)	9258-000-A911-7
2	1.17	.080	.050	.013/.017	33	Silver	Gold (C)	9258-000-A331-10

Panel Jack Receptacle—Post Contact

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

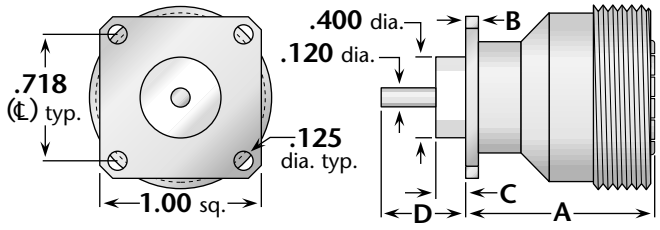


Figure	Dimensions				Mounting Figure	Plating		Delta P/N
	A	B	C	D		Body	Contact	
1	1.17	.080	.325	.500	33	Silver	Silver (C)	9258-000-A331-5
1	1.17	.080	.000	.750	33	Silver	Silver (C)	9258-000-A331-2
1	1.17	.080	.000	.562	33	Silver	Silver (C)	9258-000-A331-3

(C) in contact plating column indicates captive contact.
7/16 connectors with 1" square flanges have lower maximum power rating than standard-flange connectors—contact factory for details.

Plug Receptacles—Solder Pot Contact

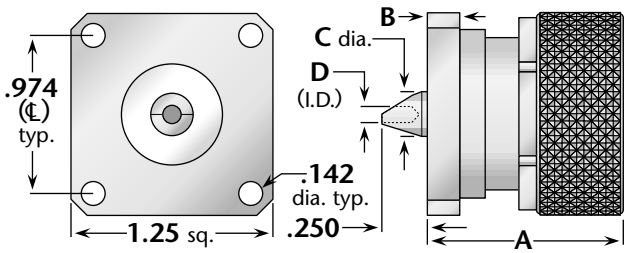


Figure 1
(Standard flange)

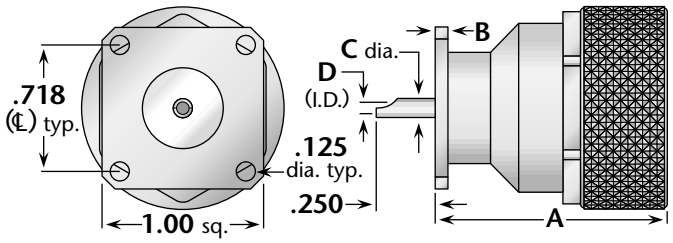
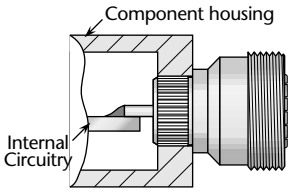


Figure 2
(1" square flange, interchangeable with type N standard flange size)



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 greater than normal mating and unmating forces. An integral shoulder provides a positive stop when mounting.

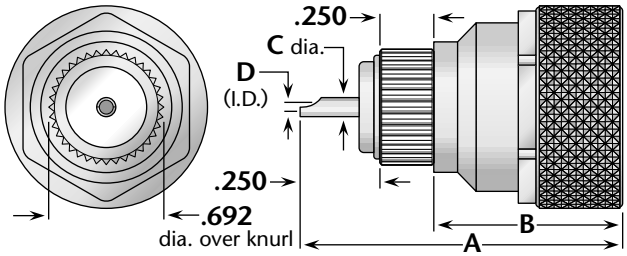


Figure 3
(PressMount)

Figure	Dimensions				Mounting Figure	Plating		Delta P/N
	A	B	C	D		Body	Contact	
1	1.21	.197	.274	.100	See above	Silver	Silver (C)	9223-000-A911
2	1.40	.080	.120	.100	33	Silver	Gold (C)	9223-000-A911-3
3	1.65	1.05	.120	.100	.688±.001 dia.	Silver	Gold (C)	9224-000-A911

Panel Plug Receptacle—Threaded Contact

Figure 1
(Standard flange)

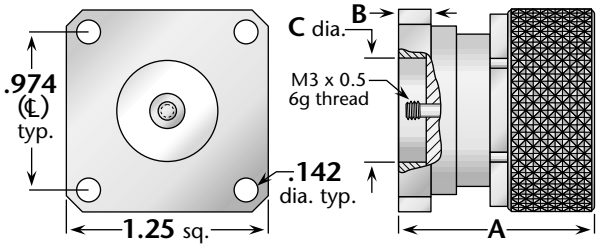


Figure	Dimensions			Mounting Figure	Plating		Delta P/N
	A	B	C		Body	Contact	
1	1.21	.197	.630	See above	Silver	Silver (C)	9223-000-A911-1

(C) in contact plating column indicates captive contact.
7/16 connectors with 1" square flanges have lower maximum power rating than standard-flange connectors—contact factory for details.

Panel Plug Receptacle—Tab Contact

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

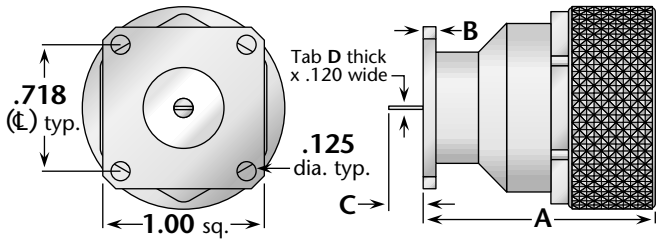


Figure	Dimensions				Mounting Figure	Plating		Delta P/N
	A	B	C	D		Body	Contact	
1	1.40	.080	.100	.005/.008	33	Silver	Gold (C)	9259-000-A331

Panel Plug Receptacle—Slotted Contact

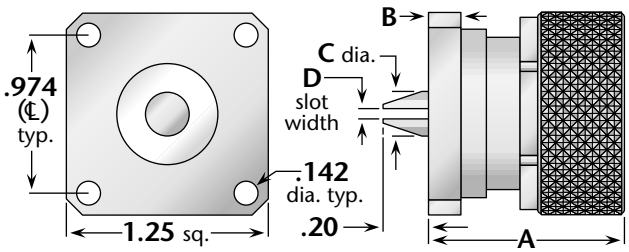


Figure 1
(Standard flange)

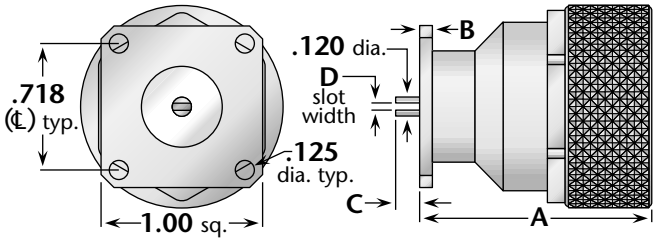


Figure 2
(1" square flange, interchangeable with type N standard flange size)

Figure	Dimensions				Mounting Figure	Plating		Delta P/N
	A	B	C	D		Body	Contact	
1	1.21	.197	.276	.095	See above	Silver	Silver (C)	9223-000-A911-2
2	1.40	.080	.050	.013/.017	33	Silver	Gold (C)	9259-000-A331-6

Panel Plug Receptacle—Post Contact

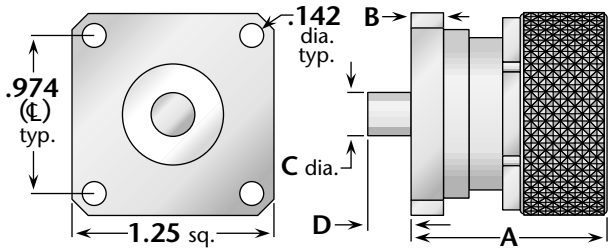


Figure 1
(Standard flange)

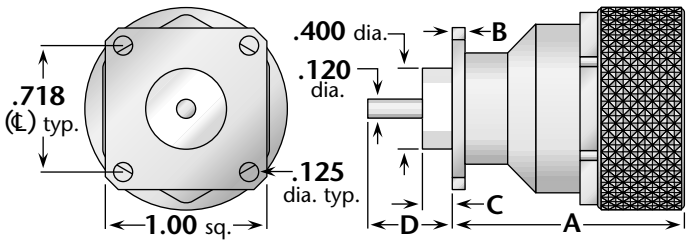


Figure 2
(1" square flange, interchangeable with type N standard flange size)

Figure	Dimensions				Mounting Figure	Plating		Delta P/N
	A	B	C	D		Body	Contact	
1	1.21	.197	.274	.250	See above	Silver	Silver (C)	9259-000-A911-4
2	1.40	.080	.325	.500	33	Silver	Silver (C)	9259-000-A331-7
2	1.40	.080	.000	.562	33	Silver	Gold (C)	9259-000-A331-1

(C) in contact plating column indicates captive contact.
7/16 connectors with 1" square flanges have lower maximum power rating than standard-flange connectors—contact factory for details.

Bulkhead Mounted Jack–Jack Adapter
(Connects two plugs)

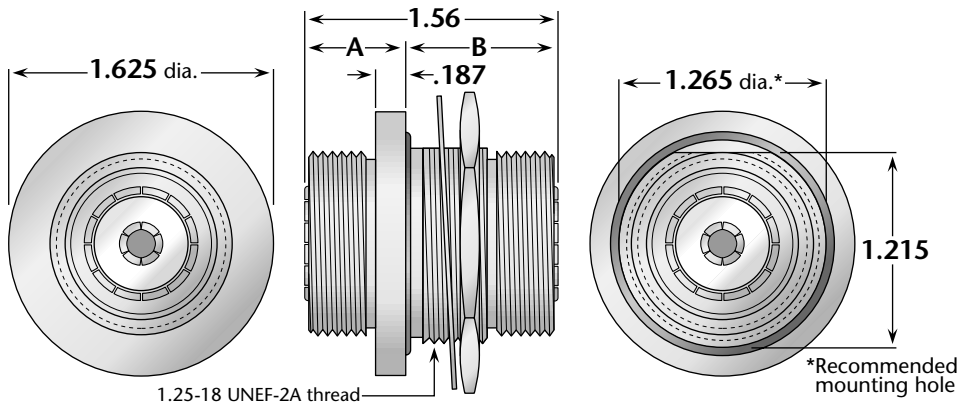


Figure 1

Figure	Dimensions		Max. Panel	Mounting Figure	Plating		Delta P/N
	A	B			Body	Contact	
1	.44	.933	.350	See above	Silver	Silver (C)	9226-000-A911-1

7/16 to N Adapters

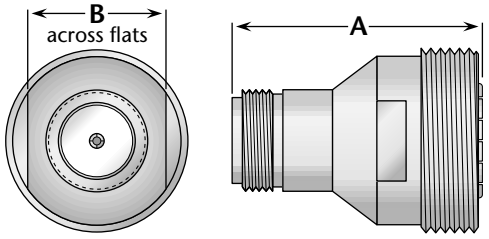


Figure 1
(7/16 jack–N jack)

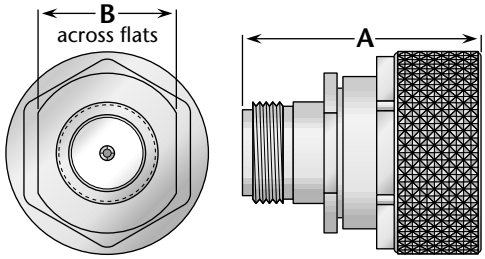


Figure 2
(7/16 plug–N jack)

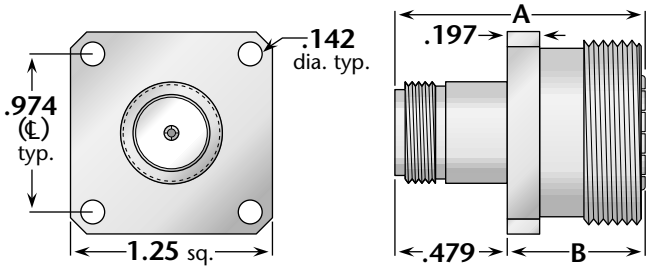


Figure 3
(7/16 jack–N jack, panel mounted)

Figure	Dimensions		Plating		Delta P/N
	A	B	Body	Contact	
1	1.33	.937	Silver	Gold (C)	2228-000-A001-29
2	1.41	.875	Silver	Gold (C)	2234-000-A001-122
3	1.33	.850	Silver	Silver (C)	2225-000-A911-9

(C) in contact plating column indicates captive contact.

Cable Group Finder

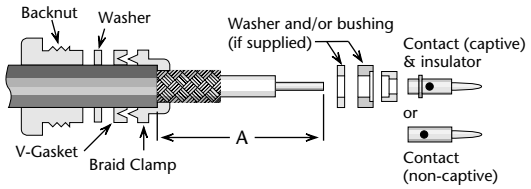
Cable	Group	Cable	Group
RG-5, 5A, B	1A	RG-225	3C
RG-6, 6A	1B	RG-228A	20
RG-8, 8A	2A	RG-302	22
RG-9, 9A, B	3A	RG-303	23
RG-10	15	RG-304	24
RG-11, 11A	2B	RG-316	9A
RG-12	15	RG-316DS	10
RG-13A	3B	RG-393	4
RG-14A	16	RG-400	6A
RG-17A	17	RG-401	12
RG-18A	18	RG-402	13
RG-21, 21A	1A	RG-405	14
RG-22, 22A, B	28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

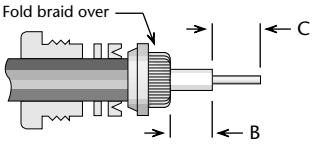
Group		Cables
1	1A	RG-5, 5A, 5B, 21, 21A; M17/73, /162
	1B	RG-6, 6A; M17/2
	1C	RG-143, 143A, 212, 222; M17/73, /112, /162
2	2A	RG-8, 8A, 213; M17/74
	2B	RG-11, 11A; M17/6
3	3A	RG-9, 9A, 9B, 214; M17/75
	3B	RG-13A, 216; M17/77
	3C	RG-225; M17/127
4		RG-393; M17/127
5		RG-58, 58A, 58C, 141, 141A; M17/28,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

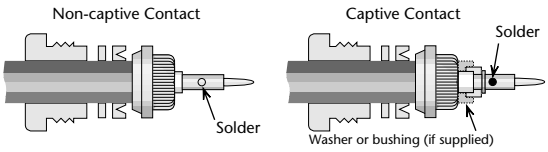
1) Trim cable jacket to dimension A. Slide backnut, washer, V-gasket, and braid clamp onto cable as shown. Cable jacket should bottom on step in braid clamp.



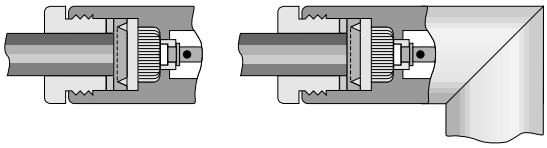
2) Comb braid wires out straight and fold back over front shoulder of braid clamp (braid wires should not overlap one another after folding). Trim braid wires flush with step of braid clamp. Trim cable dielectric and center conductor to dimensions B and C.



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.

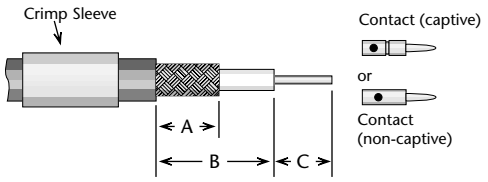


Trim Codes For Assembly Procedure A

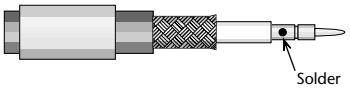
Code	A	B	C	Code	A	B	C
A/01	.375 (3/8)	.047 (3/64)	.203 (13/64)	A/19	.375 (3/8)	.188 (3/16)	.094 (3/32)
A/02	.375 (3/8)	.109 (7/64)	.203 (13/64)	A/20	.375 (3/8)	.047 (3/64)	.172 (11/64)
A/03	.438 (7/16)	.250 (1/4)	.188 (3/16)	A/21	.500 (1/2)	.313 (5/16)	.172 (11/64)
A/04	.281 (9/32)	.047 (3/64)	.125 (1/8)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

Assembly Procedure B

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



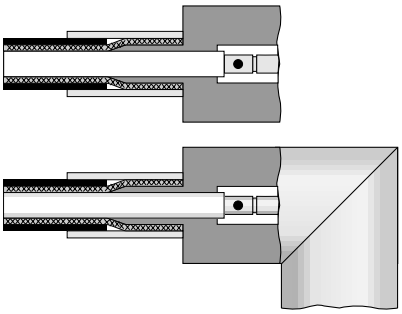
2) If support insulator is provided for RG-62 or 71 cable, insert into hollow in dielectric. Solder contact onto center conductor; back of contact flush with trimmed end of cable dielectric (omit this step for right angle connectors with access caps). Flare cut end of braid slightly by rotating dielectric.



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.

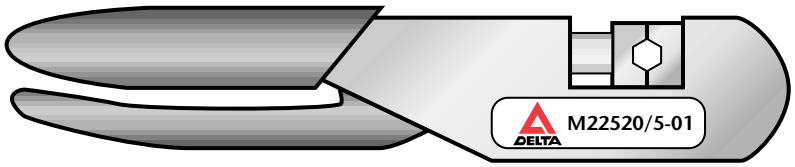
Trim excess braid wires even with shoulder of body. Slide crimp sleeve forward until flush with body and crimp (see page 176 for hex die sizes).

For right angle or tee connectors with access caps, solder center conductor into contact slot, then press cap into body until seated or screw into place.



Trim Codes For Assembly Procedure B			
Code	A	B	C
B/19	.343	.437	.156
B/31	.350	.840	.150

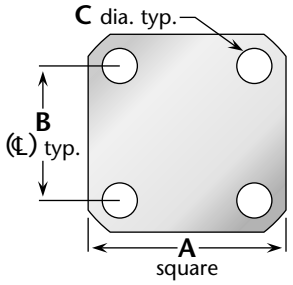
Crimp Tools for Flexible Cable



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

Mounting Figures

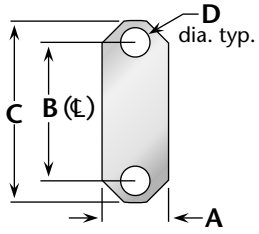
Connector Flanges
(Panel mounted connectors)



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

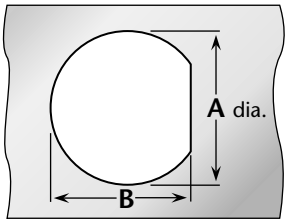
* Countersunk to .245 dia.



2-hole flanges

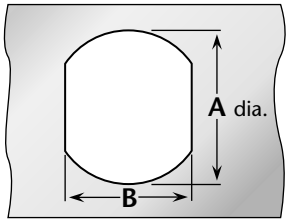
Figure	A	B	C	D
92	.223	.481	.625	.102
92A	.260	.481	.625	.102
95	.640	1.015	1.30	.125

Panel Cutouts
(Bulkhead mounted connectors)



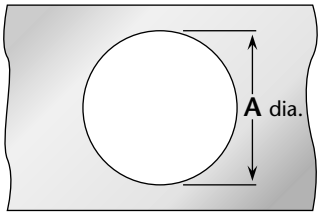
D-Hole

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

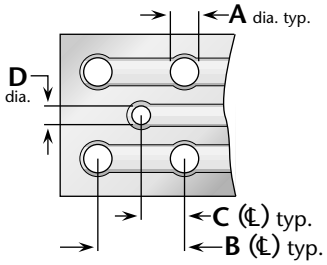
Figure	A	B
69	.755	.692
72	.630	.536
75	.380	.341
84	.319	.278



Round Hole

Figure	A
82	.255
89	.380

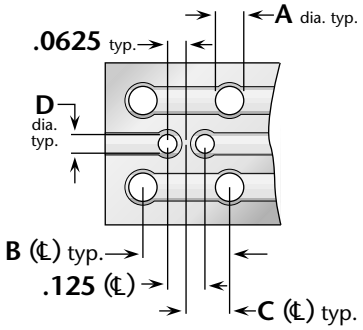
P.C. Board Drilling



(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



(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

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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.

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