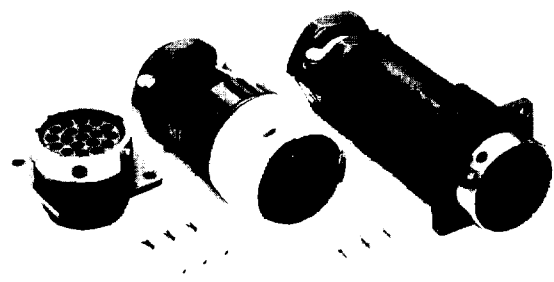


Features:

- Strong metal bayonet coupling & plastic body provide ruggedness and durability at a low installed cost
- 9 contact arrangements 4 to 48 positions
- UL, CSA and VDE recognized
- Standard and reversed formats available
- Moisture sealed option available
- Full range of accessories



Performance and Material Specifications

VOLTAGE RATING

Standard and reversed ringlock have been tested to 2000V a.c.r.m.s. The 7 position VDE version meets the dimensional requirements of VDE 0110 Group C 380V a.c.

MATERIAL SPECIFICATION

The bodies and clamp accessories are molded in a highly durable UL 94V0 thermoplastic. The locking rings are high strength nickel plated copper alloy. Available in nine sizes from 4 to 48 ways.

TECHNICAL PERFORMANCE

Characteristics	Performance
Operating temperature	55°C to + 105°C
Test potential	2000V a.c.r.m.s.
Insulation resistance	5000 MΩ at 500V dc.
Contact current rating	13 amps/circuit

Contact Arrangements

Contact Arrangements and Contact Identification.

Contact identification positions shown are mating face of plug and wiring face of receptacles for standard connectors. Reversed series housings have minor image identification.



4 Contacts



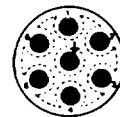
8 Contacts



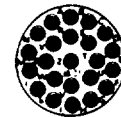
12 Contacts



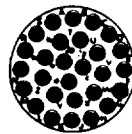
19 Contacts



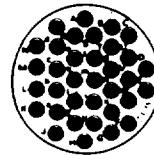
7 Contacts



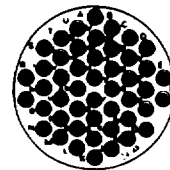
23 Contacts



28 Contacts



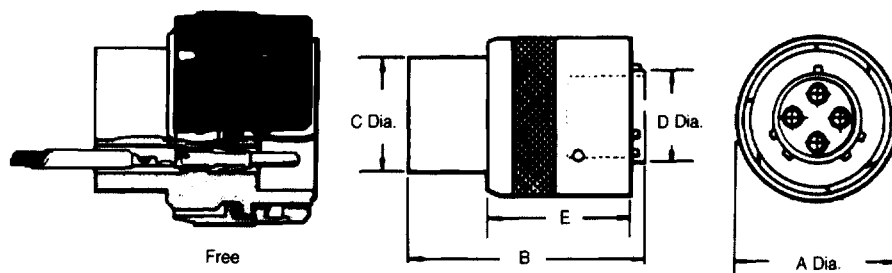
35 Contacts



48 Contacts

Standard Plugs

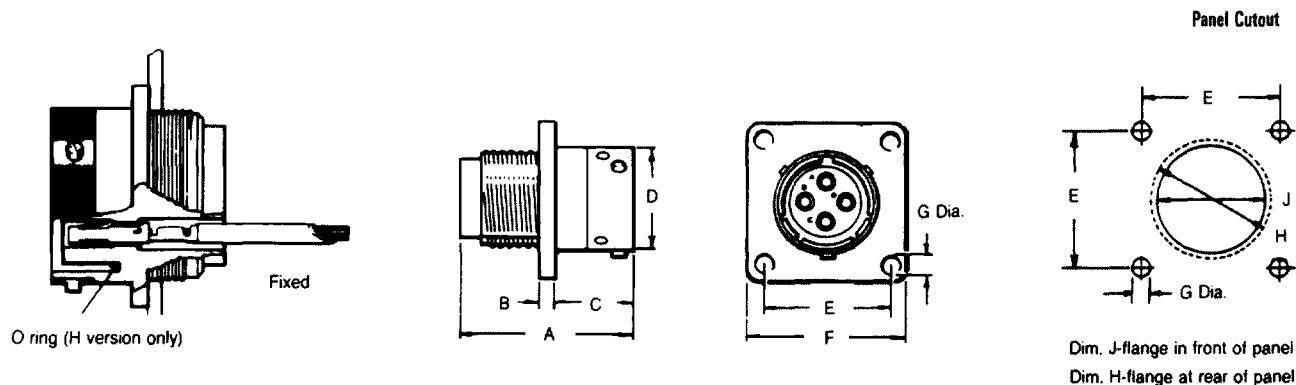
For pin contacts



No. of Positions	Shell Size	Part Numbers	A ±.008 (0.2)	B Max.	C ±.006 (0.15)	D ±.006 (0.15)	E ±.008 (0.2)
4	10	192922-1250	.850 (21.6)	1.252 (31.8)	.429 (10.9)	.480 (12.2)	.752 (19.1)
7	18	192922-1330	1.350 (34.3)	1.299 (33.0)	.886 (22.5)	.945 (24.0)	.752 (19.1)
8	12	192922-1260	.976 (24.8)	1.252 (31.8)	.543 (13.8)	.594 (15.1)	.752 (19.1)
12	14	192922-1270	1.102 (28.0)	1.252 (31.8)	.669 (17.0)	.720 (18.3)	.752 (19.1)
19	16	192922-1280	1.228 (31.2)	1.252 (31.8)	.783 (19.9)	.843 (21.4)	.752 (19.1)
23	18	192922-1320	1.350 (34.3)	1.252 (31.8)	.882 (22.4)	.945 (24.0)	.752 (19.1)
28	20	192922-1290	1.476 (37.5)	1.252 (31.8)	1.008 (25.6)	1.067 (27.1)	.752 (19.1)
35	22	192922-1300	1.602 (40.7)	1.252 (31.8)	1.122 (28.5)	1.197 (30.4)	.752 (19.1)
48	24	192920-1340	1.728 (43.9)	1.252 (31.8)	1.248 (31.7)	1.319 (33.5)	.752 (19.1)

Standard Receptacle

For socket contacts



No. of Contact Positions	Shell Size	Unsealed	Interfacial* Seal	A Max.	B ±0.15	C ±0.2	D ±0.15	E ±0.15	F ±0.25	G ±0.1	H ±0.1	J ±0.1
4	10	192922-1190	192990-1660	.957 (24.3)	.091 (2.3)	.445 (11.3)	.591 (15.0)	.717 (18.2)	.937 (23.8)	.126 (3.2)	.681 (17.3)	.594 (15.1)
7	18	192990-1300	192990-1700	1.197 (30.4)	.098 (2.5)	.705 (17.9)	1.122 (28.5)	1.063 (27.0)	1.311 (33.3)	.126 (3.2)	1.232 (31.3)	1.094 (27.8)
8	12	192922-1200	192990-1670	.957 (24.3)	.091 (2.3)	.445 (11.3)	.748 (19.0)	.807 (20.5)	1.031 (26.2)	.126 (3.2)	.858 (21.8)	.717 (18.2)
12	14	192922-1210	192990-1680	.957 (24.3)	.091 (2.3)	.445 (11.3)	.874 (22.2)	.902 (22.9)	1.122 (28.5)	.126 (3.2)	.984 (25.0)	.843 (21.4)
19	16	192922-1220	192990-1690	.957 (24.3)	.091 (2.3)	.445 (11.3)	.996 (25.3)	.965 (24.5)	1.213 (30.8)	.126 (3.2)	1.106 (28.1)	.969 (24.6)
23	18	192990-1290	192990-1710	.957 (24.3)	.098 (2.5)	.445 (11.3)	1.122 (28.5)	1.059 (26.9)	1.303 (33.1)	.126 (3.2)	1.232 (31.3)	1.094 (27.8)
28	20	192922-1230	192990-1720	1.063 (27.0)	.098 (2.5)	.571 (14.5)	1.248 (31.7)	1.150 (29.2)	1.429 (36.3)	.126 (3.2)	1.358 (34.5)	1.217 (30.9)
35	22	192922-1240	192990-1730	1.102 (28.0)	.138 (3.5)	.571 (14.5)	1.374 (34.9)	1.244 (31.6)	1.547 (39.3)	.126 (3.2)	1.484 (37.7)	1.343 (34.1)
48	24	192990-1310	192990-1740	1.197 (30.4)	.138 (3.5)	.598 (15.2)	1.496 (38.0)	1.366 (34.7)	1.677 (42.6)	.154 (3.9)	1.610 (40.9)	1.469 (37.3)

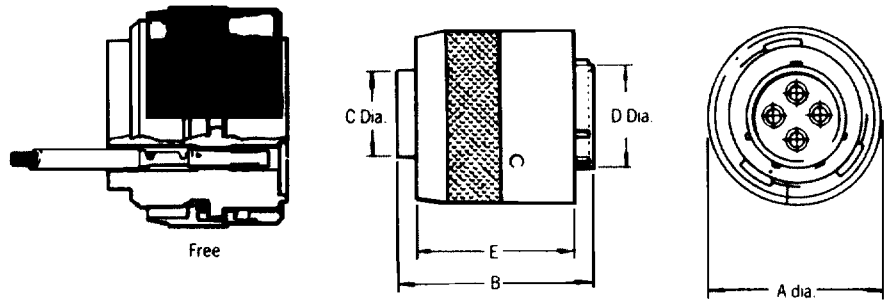
* Sealed receptacle used with "HC" cable clamp (see page 139). Provides splashproof sealing to IP65 standards.

NOTE: Contacts must be ordered separately (see page 144)

Highlighted part numbers indicate standard product; usually available with shorter lead times.

Reversed Plug

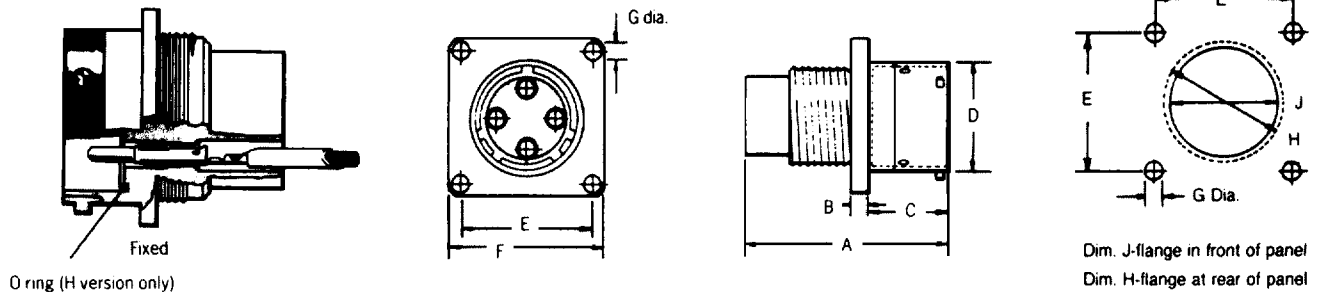
For socket contacts



No. of Positions	Shell Size	Part Numbers	A + .008 (0.2)	B Max.	C ± .006 (0.15)	D + .006 (0.15)	E ± .008 (0.2)
4	10	192926-0500	.850 (21.6)	.935 (23.75)	.433 (11.0)	.482 (12.25)	.756 (19.2)
7	18	192990-1390	1.350 (34.3)	1.142 (29.0)	.886 (22.5)	.945 (24.0)	.756 (19.2)
8	12	192926-0510	.976 (24.8)	.935 (23.75)	.547 (13.9)	.596 (15.13)	.756 (19.2)
12	14	192926-0520	1.102 (28.0)	.935 (23.75)	.673 (17.1)	.721 (18.31)	.756 (19.2)
19	16	192926-0530	1.228 (31.2)	.935 (23.75)	.787 (20.0)	.846 (21.48)	.756 (19.2)
23	18	192990-1380	1.350 (34.3)	.935 (23.75)	.886 (22.5)	.946 (24.02)	.756 (19.2)
28	20	192926-0540	1.476 (37.5)	.933 (23.7)	1.012 (25.7)	1.064 (27.02)	.756 (19.2)
35	22	192926-0550	1.602 (40.7)	.980 (24.9)	1.126 (28.6)	1.196 (30.37)	.756 (19.2)
48	24	192990-1400	1.728 (43.9)	1.031 (26.2)	1.252 (31.8)	1.321 (33.55)	.756 (19.2)

Reversed Receptacles—Unsealed and Sealed

For pin contacts



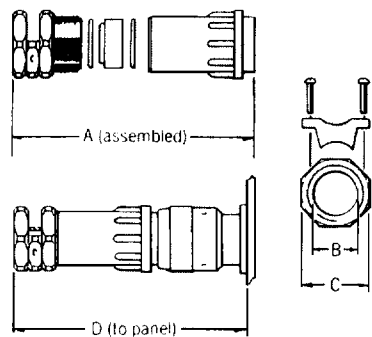
No. of Positions	Shell Size	Unsealed	Interfacial* Seal	A Max.	B ± .006 (0.15)	C ± .004 (0.1)	D ± .002 (0.06)	E ± .003 (0.08)	F ± .010 (0.25)	G ± .004 (0.1)	H ± .004 (0.1)	J ± .004 (0.1)
4	10	192926-0440	192990-1760	1.248 (31.7)	.091 (2.3)	.447 (11.35)	.591 (15.0)	.717 (18.2)	.913 (23.18)	.126 (3.2)	.681 (17.3)	.594 (15.1)
7	18	192990-1360	192990-1800	1.339 (34.0)	.098 (2.5)	.701 (17.8)	1.122 (28.5)	1.063 (27.0)	1.311 (33.3)	.126 (3.2)	1.232 (31.3)	1.098 (27.9)
8	12	192926-0450	192990-1770	1.248 (31.7)	.091 (2.3)	.447 (11.35)	.748 (19.0)	.807 (20.5)	1.031 (26.2)	.126 (3.2)	.858 (21.8)	.717 (18.2)
12	14	192926-0460	192990-1780	1.248 (31.7)	.091 (2.3)	.447 (11.35)	.874 (22.2)	.902 (22.9)	1.126 (28.6)	.126 (3.2)	.984 (25.0)	.843 (21.4)
19	16	192926-0470	192990-1790	1.246 (31.7)	.091 (2.3)	.447 (11.35)	.998 (25.35)	.965 (24.5)	1.220 (31.10)	.126 (3.2)	1.106 (28.1)	.969 (24.6)
23	18	192990-1350	192990-1810	1.248 (31.7)	.098 (2.5)	.447 (11.35)	1.123 (28.52)	1.059 (26.9)	1.311 (33.3)	.126 (3.2)	1.232 (31.3)	1.098 (27.9)
28	20	192926-0480	192990-1820	1.311 (33.3)	.098 (2.5)	.571 (14.55)	1.248 (31.7)	1.150 (29.2)	1.437 (36.5)	.126 (3.2)	1.358 (34.5)	1.217 (30.9)
35	22	192926-0490	192990-1830	1.311 (33.3)	.138 (3.5)	.571 (14.55)	1.374 (34.9)	1.244 (31.6)	1.563 (39.7)	.126 (3.2)	1.484 (37.7)	1.343 (34.1)
48	24	192990-1370	192990-1840	1.311 (33.3)	.138 (3.5)	.604 (15.35)	1.498 (38.05)	1.366 (34.7)	1.689 (42.9)	.154 (3.9)	1.610 (40.9)	1.469 (37.3)

* Sealed receptacle used with "HC" cable clamp (see page 139). Provides splashproof sealing to IP65 standards.

NOTE: Contacts must be ordered separately (see page 144)

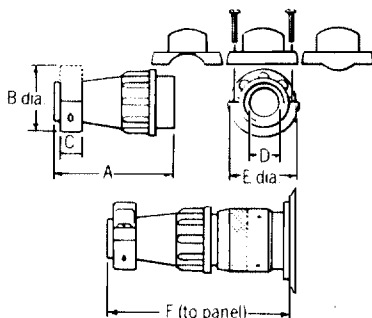
Highlighted part numbers indicate standard product; usually available with shorter lead times.

Cable Clamps With Seal (HC Version)



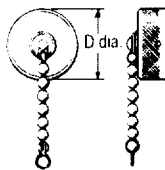
Shell Size	Part Number	A Max.	B Max.	C ±.008 (0.20)	D Max.
10	192990-1530	2.165 (55.0)	.437 (11.1)	.740 (18.8)	3.012 (76.5)
12	192990-1540	2.283 (58.0)	.535 (13.6)	.819 (20.8)	3.063 (77.8)
14	192990-1550	2.559 (65.0)	.575 (14.6)	.898 (22.8)	3.366 (85.5)
16	192990-1560	2.717 (69.0)	.654 (16.6)	.972 (24.7)	3.535 (89.8)
18	192990-1570	2.874 (73.0)	.654 (16.6)	.972 (24.7)	3.661 (93.0)
20	192990-1580	3.268 (83.0)	.870 (22.1)	1.252 (31.8)	4.232 (107.5)
22	192990-1590	3.543 (90.0)	.870 (22.1)	1.252 (31.8)	4.508 (114.5)
24	192990-1600	4.134 (105.0)	1.165 (29.6)	1.646 (41.8)	5.059 (128.5)

Cable Clamp Without Seal



Shell Size	Part Number	A ±.006 (0.15)	B Max.	C ±.006 (0.15)	D Max.	E ±.006 (0.15)	F Max.
10	192922-1310	1.571 (39.9)	.846 (21.5)	.252 (6.4)	.343 (8.7)	.827 (21.0)	2.413 (61.3)
12	192922-1320	1.575 (40.0)	.980 (24.9)	.252 (6.4)	.504 (12.8)	.945 (24.0)	2.413 (51.3)
14	192922-1330	1.811 (46.0)	1.063 (27.0)	.252 (6.4)	.543 (13.8)	1.063 (27.0)	2.642 (67.1)
16	192922-1340	1.811 (46.0)	1.185 (30.1)	.252 (6.4)	.669 (17.0)	1.183 (30.2)	2.642 (67.1)
18	192990-1510	1.969 (50.0)	1.260 (32.0)	.276 (7.0)	.783 (19.9)	1.307 (33.2)	2.787 (70.8)
20	192922-1350	2.165 (55.0)	1.350 (34.3)	.276 (7.0)	.827 (21.0)	1.433 (36.4)	3.122 (79.3)
22	192922-1360	2.362 (60.0)	1.461 (37.1)	.323 (8.2)	.906 (23.0)	1.559 (39.6)	3.358 (85.3)
24	192990-1520	2.559 (65.0)	1.646 (41.8)	.323 (8.2)	1.063 (27.0)	1.685 (42.8)	3.575 (90.8)

Receptacle Dust Caps



Shell Size	Part Number	D
10	192922-1480	.819 (20.8)
12	192922-1490	.980 (24.9)
14	192922-1500	1.106 (28.1)
16	192922-1510	1.232 (31.3)
18	192990-1410	1.354 (34.4)
20	192922-1520	1.480 (37.6)
22	192922-1530	1.606 (40.8)
24	192990-1420	1.728 (43.9)

NOTE: ● Plug dust caps also available, contact factory.
● Plastic version caps available, contact factory.

Highlighted part numbers indicate standard product; usually available with shorter lead times.