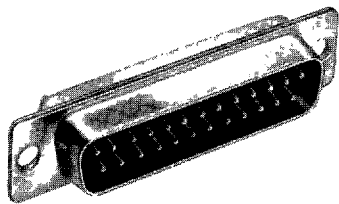
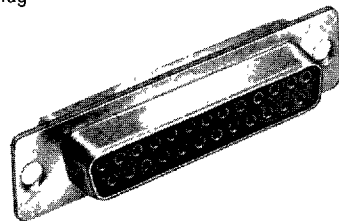


**D-Subminiature
Military (MIL-C-24308)
Metal Shell**

**.109" (2.77mm) Density
Crimp and Poke
Series 3**



Plug



Socket

Features

- Ideal for high temperature applications
- Available in 5 connector sizes: 9, 15, 25, 37, and 50, with crimp and poke terminations, both plug and socket styles
- Available with standard cadmium plated shells or non-magnetic brass shells
- Monoblock insulator for improved electrical performance
- Intermateable with all D-Subminiature connectors of comparable pin count and complying dimensionally with MIL-C-24308
- UL Recognized file no. E19071

Performance Data

Materials

Insulation Material: Diallyl phthalate per MIL-M-14, Type SDG-F, monoblock construction, med. green

Contact Material:

Plug Contacts: Brass (machined)
Socket Contacts: Phosphor bronze (machined)

Contact Plating: 50 μ inches min. gold over 100 μ inches copper

Shell Material: Steel or brass

Shell Plating: Cadmium with yellow chromate coating

Electrical Characteristics

Withstanding Voltage: 1250 VAC rms (@ sea level)

Current Rating: 5 Amps

Contact Resistance: 2.7 Milliohms maximum

Insulation Resistance: 5000 Megohms minimum

Mechanical Characteristics

Individual Contact Insertion and

Separation Force: 0.7 oz. (20g) minimum, 12 oz. (341g) maximum

Environmental Characteristics

Shock: Exceeds test requirements of MIL-STD-1344, Method 2004, Condition E

Operating Temperature: - 65°C to + 125°C

Vibration: Exceeds test requirements of MIL-STD-1344, Method 2005, Condition IV

Humidity: Exceeds test requirements of MIL-STD-1344, Method 1002, Condition II

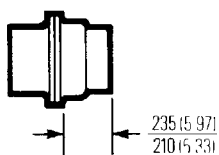
Accessories

For metal shell D-Subminiature Connector accessories see pages 34 through 45.

Tools

For termination tools, see pages 46-49.

Dimensions



For standard shell dimensions and panel cutouts, see pages 5 and 6

Ordering Information

Contacts

Description	Part No.
Plug	M39029/64-369
Socket	M39029/63-368

Cadmium Plated Shells With Yellow Chromate Coating

No. of Contacts	Shell Size	.120" (3.05mm) Through Hole		Float Bushings		Reverse Float Bushings w/ Contacts
		w/ Contacts Part No.	w/o Contacts Part No.	w/ Contacts Part No.	w/o Contacts Part No.	
9 Plug	E	M24308/4-1F	M24308/4-259F	M24308/4-302F	M24308/4-324F	—
9 Socket	E	M24308/2-1F	M24308/2-281F	M24308/2-23F	M24308/2-292F	—
15 Plug	A	M24308/4-2F	M24308/4-260F	M24308/4-303F	M24308/4-325F	—
15 Socket	A	M24308/2-2F	M24308/2-282F	M24308/2-24F	M24308/2-293F	—
25 Plug	B	M24308/4-3F	M24308/4-261F	M24308/4-304F	M24308/4-326F	—
25 Socket	B	M24308/2-3F	M24308/2-283F	M24308/2-25F	M24308/2-294F	M24308/2-335F
37 Plug	C	M24308/4-4F	M24308/4-262F	M24308/4-305F	M24308/4-327F	—
37 Socket	C	M24308/2-4F	M24308/2-284F	M24308/2-26F	M24308/2-295F	M24308/2-336F
50 Plug	D	M24308/4-5F	M24308/4-263F	M24308/4-306F	M24308/4-328F	—
50 Socket	D	M24308/2-5F	M24308/2-285F	M24308/2-27F	M24308/2-296F	—

Brass Non-Magnetic Shells

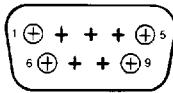
No. of Contacts	Shell Size	.120" (3.05mm) Through Hole		Float Bushings	
		With Contacts Part No.	Without Contacts Part No.	With Contacts Part No.	Without Contacts Part No.
9 Plug	E	M24308/8-1F	M24308/8-259F	M24308/8-302F	M24308/8-324F
9 Socket	E	M24308/6-1F	M24308/6-281F	M24308/6-259F	M24308/6-324F
15 Plug	A	M24308/8-2F	M24308/8-260F	M24308/8-303F	M24308/8-325F
15 Socket	A	M24308/6-2F	M24308/6-282F	M24308/6-260F	M24308/6-325F
25 Plug	B	M24308/8-3F	M24308/8-261F	M24308/8-304F	M24308/8-326F
25 Socket	B	M24308/6-3F	M24308/6-283F	M24308/6-261F	M24308/6-326F
37 Plug	C	M24308/8-4F	M24308/8-262F	M24308/8-305F	M24308/8-327F
37 Socket	C	M24308/6-4F	M24308/6-284F	M24308/6-262F	M24308/6-327F
50 Plug	D	M24308/8-5F	M24308/8-263F	M24308/8-306F	M24308/8-328F
50 Socket	D	M24308/6-5F	M24308/6-285F	M24308/6-263F	M24308/6-328F

Contact Insertion/Extraction Tool

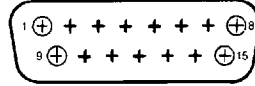
Part No.:	C1ET-20-HD
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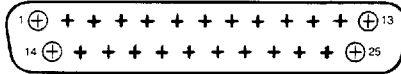
Standard Density Plug Inserts



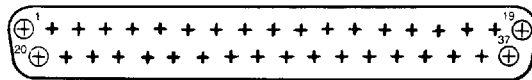
Shell Size E
(9 Position)



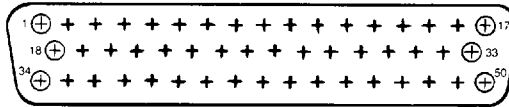
Shell Size A
(15 Position)



Shell Size B
(25 Position)

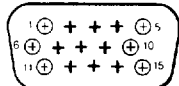


Shell Size C
(37 Position)



Shell Size D
(50 Position)

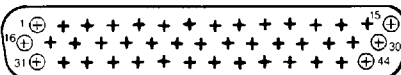
HTD 1.5 Density Plug Inserts



Shell Size E
(15 Position)



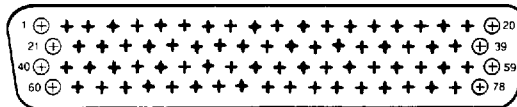
Shell Size A
(26 Position)



Shell Size B
(44 Position)

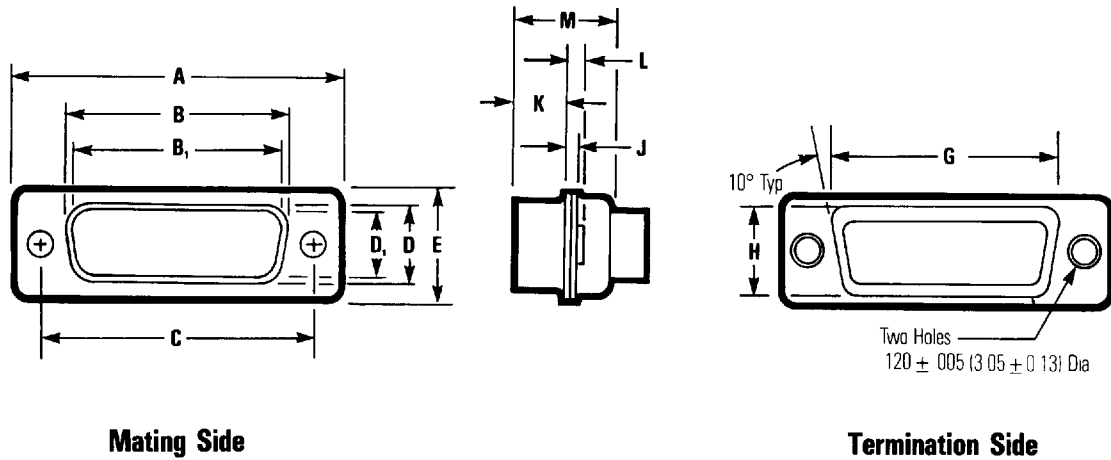


Shell Size C
(62 Position)



Shell Size D
(78 Position)

NOTE: Mating face of plug is shown, receptacle is mirror image.



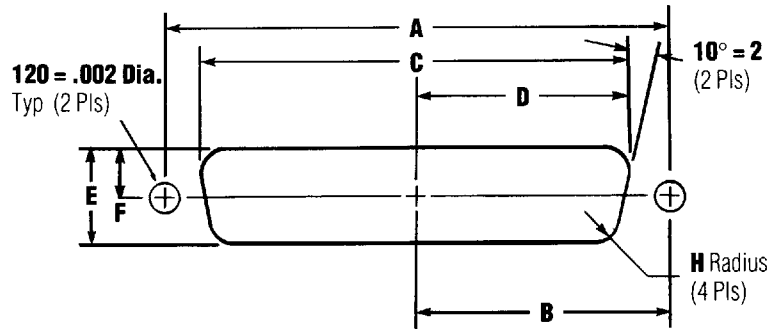
Dimensions

Shell Size	Connector Type	A ± .015" (0.38mm)		B ± .010" (0.25mm)		B ₁ ± .005" (0.13mm)		C ± .005" (0.13mm)		D ± .010" (0.25mm)		D ₁ ± .010" (0.25mm)		E ± .015" (0.38mm)	
		in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
E	Plug	1.213	30.81	—	—	.666	16.90	.0984	24.99	—	8.40	.329	—	.494	12.55
	Socket	1.213	30.81	.640	16.26	—	—	.0984	24.99	.308	—	—	.782	.494	12.55
A	Plug	1.541	39.14	—	—	.994	25.30	1.312	33.32	—	8.40	.329	—	.494	12.55
	Socket	1.541	39.14	.968	24.59	—	—	1.312	33.32	.308	—	—	.782	.494	12.55
B	Plug	2.088	53.04	—	—	1.534	39.00	1.852	47.04	—	8.40	.329	—	.494	12.55
	Socket	2.088	53.04	1.508	38.30	—	—	1.852	47.04	.308	—	—	.782	.494	12.55
C	Plug	2.729	69.32	—	—	2.182	55.40	2.500	63.50	—	8.40	.329	—	.494	12.55
	Socket	2.729	69.32	2.156	54.76	—	—	2.500	63.50	.308	—	—	.782	.494	12.55
D	Plug	2.635	66.93	—	—	2.079	52.80	2.406	61.11	—	11.07	.436	—	.605	15.37
	Socket	2.635	66.93	2.062	52.34	—	—	2.406	61.11	.420	—	—	1.067	.605	15.37

Shell Size	Connector Type	G ± .010" (0.25mm)		H ± .010" (0.25mm)		J ± .010" (0.25mm)		K ± .010" (0.25mm)		L ± .010" (0.25mm)		M ± .010" (0.25mm)	
		in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
E	Plug	.759	19.28	.422	10.72	.030	0.76	.236	5.99	.045	1.14	.422	10.72
	Socket	.759	19.28	.422	10.72	.030	0.76	.243	6.17	.045	1.14	.429	10.92
A	Plug	1.083	27.51	.422	10.72	.030	0.76	.236	5.99	.045	1.14	.422	10.72
	Socket	1.083	27.51	.422	10.72	.030	0.76	.243	6.17	.045	1.14	.429	10.92
B	Plug	1.625	41.27	.422	10.72	.039	0.99	.231	5.87	.060	1.52	.426	10.82
	Socket	1.625	41.27	.422	10.72	.030	0.76	.243	6.17	.045	1.14	.429	10.92
C	Plug	2.272	57.71	.422	10.72	.039	0.99	.231	5.87	.060	1.52	.426	10.82
	Socket	2.272	57.71	.422	10.72	.030	0.76	.243	6.17	.045	1.14	.429	10.92
D	Plug	2.178	55.32	.534	13.56	.039	0.99	.231	5.87	.060	1.52	.426	10.82
	Socket	2.178	55.32	.534	13.56	.030	0.76	.243	6.17	.045	1.14	.429	10.92

B and D are outside dimensions for socket. B₁ and D₁ are inside dimensions for plug

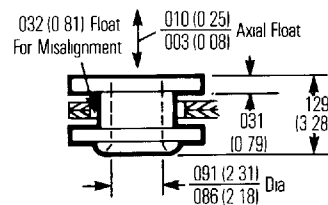
Panel Mounting Specifications



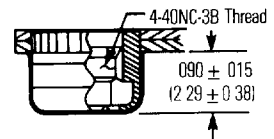
Dimensions

Shell Size	Mounting Method Front/Rear Panel	Dimensions (inches)						
		A	B	C	D	E	F	H
E	Front	0.98	0.49	0.87	0.44	0.51	0.26	0.08
	Rear	0.98	0.49	0.81	0.40	0.45	0.23	0.13
A	Front	1.31	0.66	1.10	0.60	0.51	0.26	0.08
	Rear	1.31	0.66	1.13	0.57	0.45	0.23	0.13
B	Front	1.85	0.93	1.74	0.87	0.51	0.26	0.08
	Rear	1.85	0.93	1.67	0.84	0.45	0.23	0.13
C	Front	2.50	1.25	2.39	1.20	0.51	0.26	0.08
	Rear	2.50	1.25	2.33	1.16	0.45	0.23	0.13
D	Front	2.41	1.20	2.30	1.15	0.62	0.31	0.08
	Rear	2.41	1.20	2.22	1.11	0.56	0.28	0.13

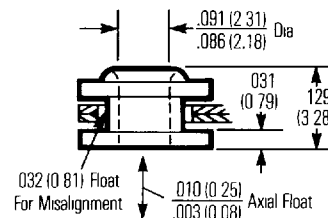
Float Bushing



4-40 Clinch Nut



Reverse Float Bushing



Floating Dual Bushing

