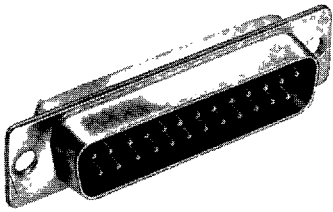
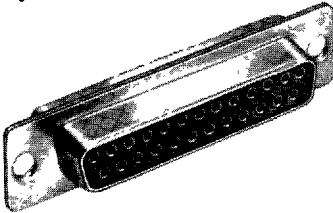


D-Subminiature Military (MIL-C-24308) Metal Shell

.109" (2.77mm) Density
Solder Cup



Plug



Socket

Features

- Ideal for high temperature applications
- Available in 5 connector sizes: 9, 15, 25, 37, and 50, with 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 microns min. gold over 100 microns copper

Shell Material: Steel

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

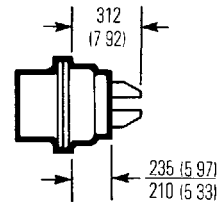
Vibration: Exceeds test requirements of MIL-STD-1344, Method 2005, Condition IV

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.

Dimensions



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

Ordering Information

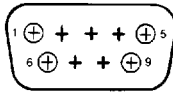
Cadmium Plated Shells With Yellow Chromate Coating

No. of Contacts	Shell Size	.120" (3.05mm) Through Hole	
		Part No.	Float Bushings Part No.
9 Plug	E	M24308/3-1F	M24308/3-12F
9 Socket	E	M24308/1-1F	M24308/1-12F
15 Plug	A	M24308/3-2F	M24308/3-13F
15 Socket	A	M24308/1-2F	M24308/1-13F
25 Plug	B	M24308/3-3F	M24308/3-14F
25 Socket	B	M24308/1-3F	M24308/1-14F
37 Plug	C	M24308/3-4F	M24308/3-15F
37 Socket	C	M24308/1-4F	M24308/1-15F
50 Plug	D	M24308/3-5F	M24308/3-16F
50 Socket	D	M24308/1-5F	M24308/1-16F

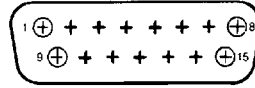
Brass Non-Magnetic Shells

No. of Contacts	Shell Size	.120" (3.05mm) Through Hole	
		Part No.	Float Bushings Part No.
9 Plug	E	M24308/7-1F	M24308/7-12F
9 Socket	E	M24308/5-1F	M24308/5-12F
15 Plug	A	M24308/7-2F	M24308/7-13F
15 Socket	A	M24308/5-2F	M24308/5-13F
25 Plug	B	M24308/7-3F	M24308/7-14F
25 Socket	B	M24308/5-3F	M24308/5-14F
37 Plug	C	M24308/7-4F	M24308/7-15F
37 Socket	C	M24308/5-4F	M24308/5-15F
50 Plug	D	M24308/7-5F	M24308/7-16F
50 Socket	D	M24308/5-5F	M24308/5-16F

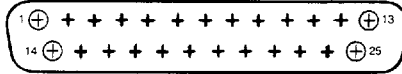
Standard Density Plug Inserts



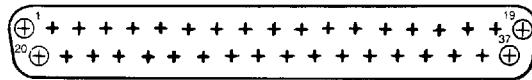
Shell Size E
(9 Position)



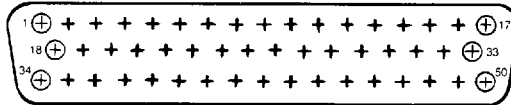
Shell Size A
(15 Position)



Shell Size B
(25 Position)

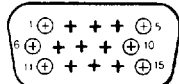


Shell Size C
(37 Position)



Shell Size D
(50 Position)

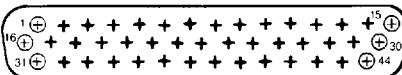
HTD 1.5 Density Plug Inserts



Shell Size E
(15 Position)



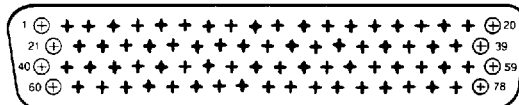
Shell Size A
(26 Position)



Shell Size B
(44 Position)

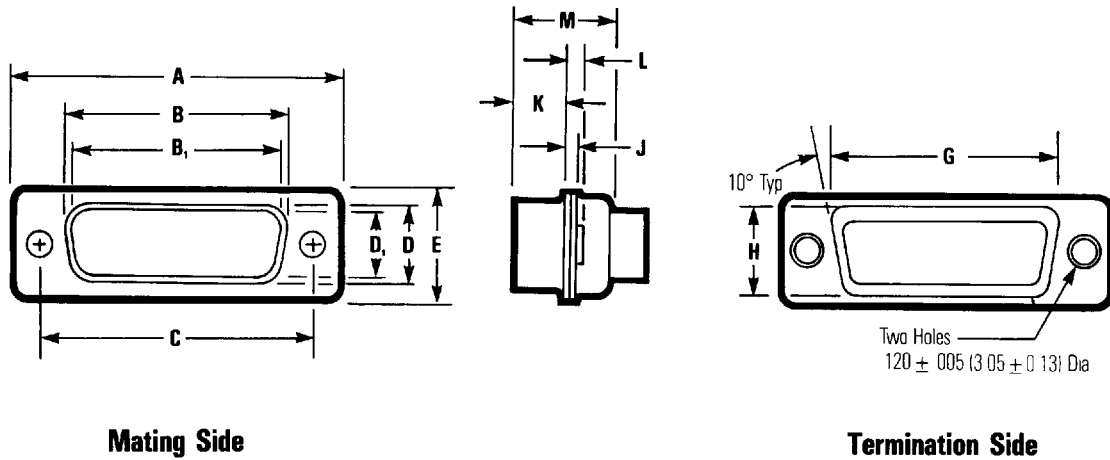


Shell Size C
(62 Position)



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	—	—	10.67	.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