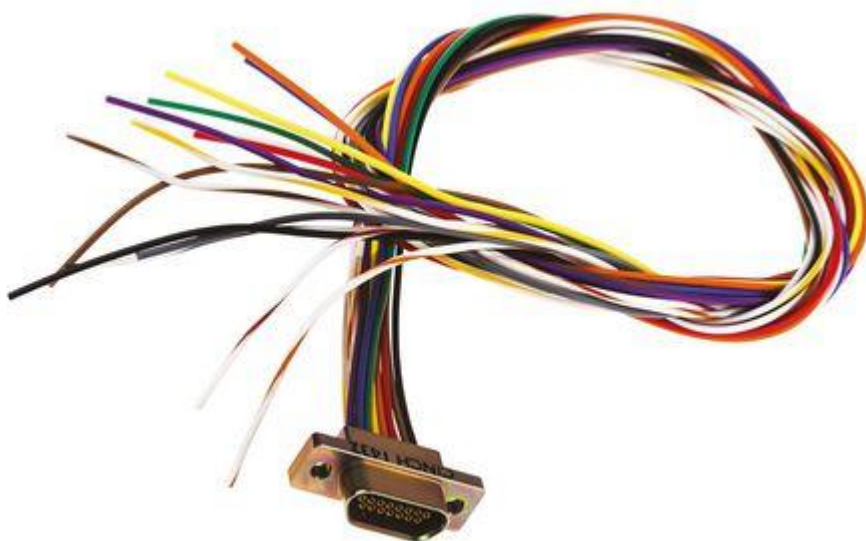


Datasheet

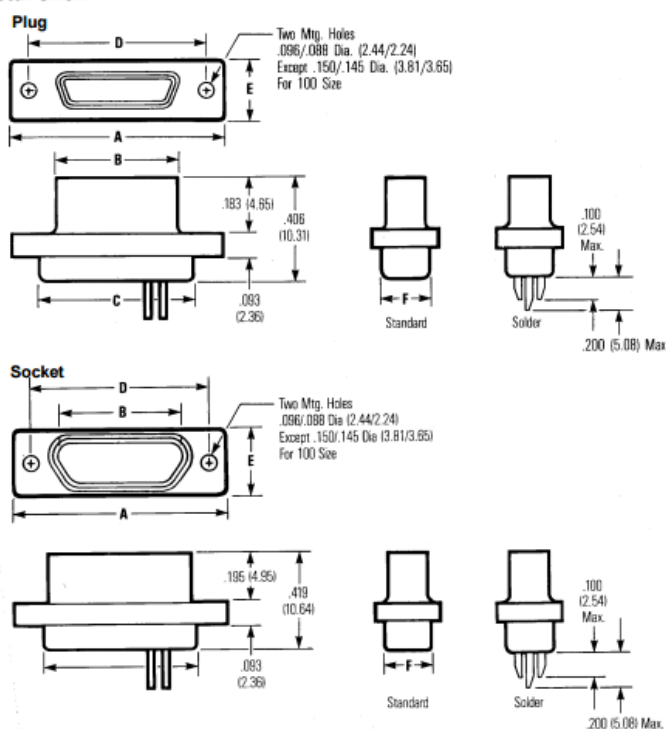
Straight Micro-D Solder Connector, Socket, 15 Way, 3A

RS Stock 453-909



Dimensions: (mm)

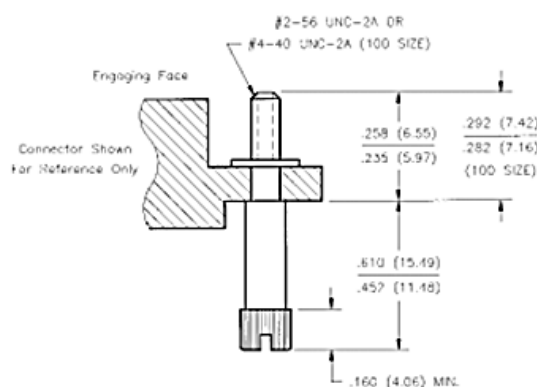
Connector Dimensions - Metal Shell



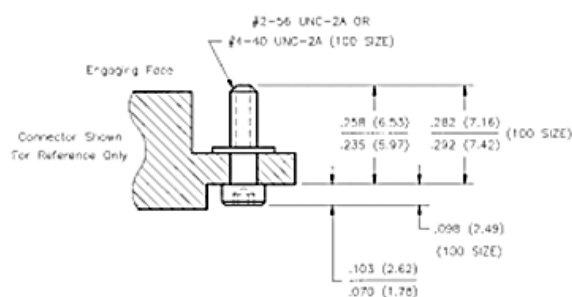
Specifications

No. of Contacts	A		B Max.		C		D		E		F Max.	
	± .010 (.254)				+.010 (.254) -.018 (.457)		± .005 (.127)		± .010 (.254)			
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
9 Plug	.775	19.68	.333	8.46	.390	9.91	.565	14.35	.298	7.57	.270	6.86
9 Socket	.775	19.68	.396	10.06	.390	9.91	.565	14.35	.298	7.57	.270	6.86
15 Plug	.925	23.50	.483	12.27	.540	13.72	.715	18.16	.298	7.57	.270	6.86
15 Socket	.925	23.50	.546	13.87	.540	13.72	.715	18.16	.298	7.57	.270	6.86
21 Plug	1.075	27.30	.633	16.08	.690	17.53	.865	21.97	.298	7.57	.270	6.86
21 Socket	1.075	27.30	.696	17.68	.690	17.53	.865	21.97	.298	7.57	.270	6.86
25 Plug	1.175	29.84	.733	18.62	.790	20.07	.965	24.51	.298	7.57	.270	6.86
25 Socket	1.175	29.84	.796	20.22	.790	20.07	.965	24.51	.298	7.57	.270	6.86
31 Plug	1.325	33.66	.883	21.16	.940	23.88	1.115	28.32	.298	7.57	.270	6.86
31 Socket	1.325	33.66	.946	24.03	.940	23.88	1.115	28.32	.298	7.57	.270	6.86
37 Plug	1.475	37.46	1.033	26.24	1.090	27.69	1.265	32.13	.298	7.57	.270	6.86
37 Socket	1.475	37.46	1.096	27.84	1.090	27.69	1.265	32.13	.298	7.57	.270	6.86
51 Plug	1.425	36.20	.983	24.97	1.040	26.42	1.215	30.86	.341	8.66	.310	7.87
51 Socket	1.425	36.20	1.046	26.57	1.040	26.42	1.215	30.86	.341	8.66	.310	7.87
100 Plug	2.160	54.86	1.383	35.13	1.432	36.38	1.800	45.71	.384	9.75	.360	9.15
100 Socket	2.160	54.86	1.446	36.73	1.432	36.38	1.800	45.71	.384	9.75	.360	9.15

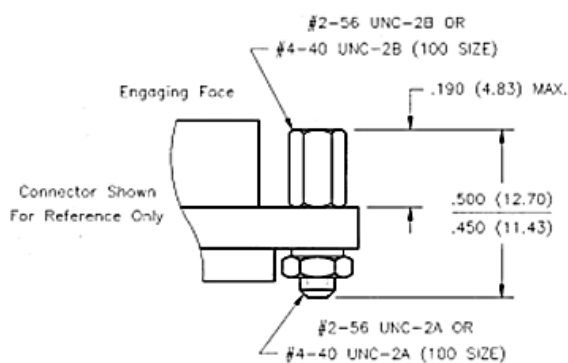
Mounting Hardware



High Profile Jackscrew

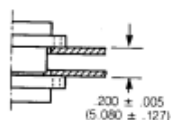
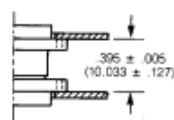
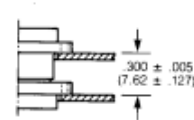
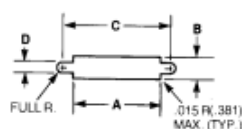


Low Profile Jackscrew

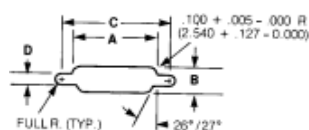


Removable Jackpost

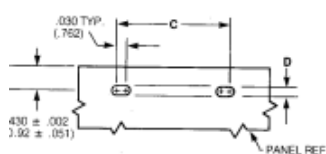
Panel Mounting Dimensions - Metal Shell
Panel Mounting Dimensions

 Pin and socket,
rear mounted

 Pin and socket,
front mounted

 Pin, front mounted
Socket, rear mounted

Panel Cutout Dimensions - Metal Shell

Front Mounting

No. of Contacts	A		B		C		D	
	+.004" (.101mm)		+.004" (.101mm)		+.005" (.127mm)		+.005" (.127mm)	
	-.000" (.000mm)		-.000" (.000mm)		-.000" (.000mm)		-.000" (.000mm)	
	in	mm	in	mm	in	mm	in	mm
9	.408	10.36	.270	6.86	.570	14.48	.089	2.26
15	.558	14.17	.270	6.86	.720	14.48	.089	2.26
21	.708	17.98	.270	6.86	.870	22.10	.089	2.26
25	.808	20.52	.270	6.86	.970	24.64	.089	2.26
31	.958	24.33	.270	6.86	1.120	28.45	.089	2.26
37	1.108	28.14	.270	6.86	1.270	32.26	.089	2.26
51	1.058	26.87	.315	8.00	1.220	30.99	.089	2.26
100	1.450	36.84	.361	9.17	1.805	45.86	.117	2.97


Rear Mounting

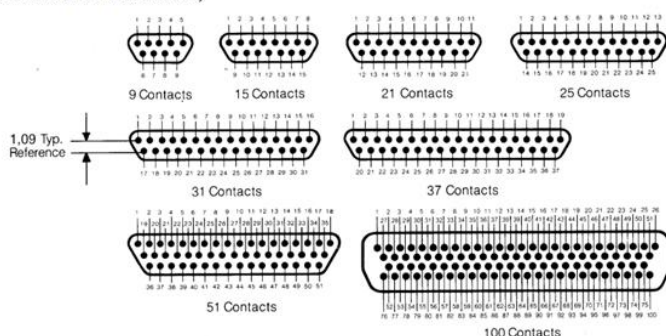
No. of Contacts	A		B		C		D	
	+.004" (.101mm)		+.004" (.101mm)		+.005" (.127mm)		+.005" (.127mm)	
	-.000" (.000mm)		-.000" (.000mm)		-.000" (.000mm)		-.000" (.000mm)	
	in	mm	in	mm	in	mm	in	mm
9	.408	10.36	.256	6.50	.570	14.48	.089	2.26
15	.558	14.17	.256	6.50	.720	18.29	.089	2.26
21	.708	17.98	.256	6.50	.870	22.10	.089	2.26
25	.808	20.52	.256	6.50	.970	24.64	.089	2.26
31	.958	24.33	.256	6.50	1.120	28.45	.089	2.26
37	1.108	28.14	.256	6.50	1.270	32.26	.089	2.26
51	1.058	26.87	.300	7.62	1.220	30.99	.089	2.26
100	1.450	36.84	.338	8.58	1.805	45.86	.117	2.97


Edgeboard Mounting

No. of Contacts	C		D	
	+.005" (.127mm)		+.005" (.127mm)	
	-.000" (.000mm)		-.000" (.000mm)	
	in	mm	in	mm
9	.570	14.48	.089	2.26
15	.720	18.29	.089	2.26
21	.870	22.10	.089	2.26
25	.970	24.64	.089	2.26
31	1.120	28.45	.089	2.26
37	1.270	32.26	.089	2.26
51	1.220	30.99	.089	2.26
100	1.805	45.86	.117	2.97

Contact Arrangements

(Face view of pin insert)
(Use reverse order for socket side)



No. of Contacts	Maximum Mating Force		Minimum Unmating Force	
	Lb.	Kg	Lb.	Kg
9	5.63	2.56	.28	.13
15	9.38	4.26	.47	.21
21	13.13	5.96	.66	.30
25	15.63	7.10	.78	.35
31	19.38	8.80	.97	.44
37	23.13	10.50	1.16	.53
51	31.88	14.47	1.59	.72
100	62.50	28.38	3.13	1.42

Features

- **Both plug and socket available in 9, 15, 21, 25, 31, 37, 51, and 100 positions.**
- **Several styles of mounting are available for cable-to-cable, cable-to-panel mount, and cable-to-board mount.**
- **Aluminum shell provides extra strength and EMI/RFI shielding capability. Plating options available.**
- **Silicone elastomer compression interfacial seal protects contacts from moisture and humidity and isolates contacts from each other and the metal shell.**
- **Meets requirements of MIL-PRF-83513-D except where noted.**
- **Rugged twist-pin contacts resistant to shock and vibration make metal shell Microminiature an excellent choice for harsh environments such as airborne or space applications.**

Insulator: UL94V-0 rated glass-filled polyester or diallyl phthalate

Contacts: Pins - Copper alloy, Sockets - Copper alloy (machined)

Contact Plating: .1,27 μ gold

Shell: Aluminum alloy

Shell Plating: Yellow chromate over cadmium or
electroless nickel

Operating Temperature: -55°C to +135°C

Current Rating: 3 Amps maximum

Withstanding Voltage: 600 VAC RMS @ sea level

Contact Resistance: 8 milliohms maximum

Individual Contact: 6 oz. (170.40 g) maximum insertion;
0.5 oz. (14.20 g) minimum withdrawal

Mating / Unmating Force: See table