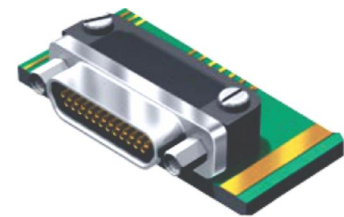
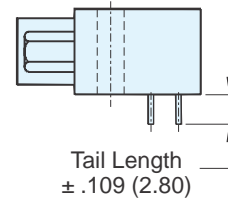
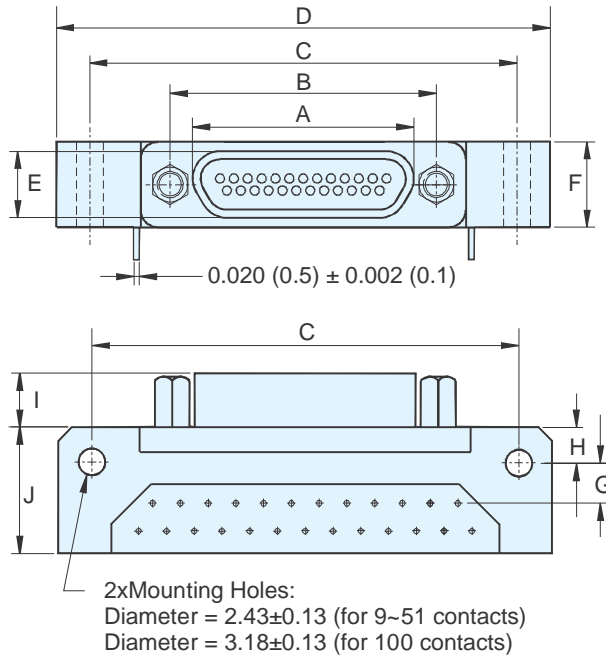


MIL-83513 PCB Right Angle 'Regular' Micro-D Connectors

Metal shell, nickel finish, mounted with jackpost and screw, 2.8mm pins length



Mechanical Details for PCB Right Connectors, Regular Profile



Unit: Inch(mm)

DIMENSIONS

Layout	A Max.		B		C		D Max.		E Max.		F Max.		G		H		I		J Max.	
	In.	mm.	In. ±.003	mm. ±0.08	In. ±.007	mm. ±0.18	In.	mm.	In.	mm.	In.	mm.	In. ±.010	mm. ±0.25	In. ±.015	mm. ±0.38	In. ±.003	mm. ±0.08	In.	mm.
9P	.333	8.46	0.565	14.35	1.150	29.21	1.390	35.31	.184	4.67	.310	7.87	.150	3.81	.125	3.18	.183	4.65	.465	11.81
9S	.400	10.16	0.565	14.35	1.150	29.21	1.390	35.31	.250	6.35	.310	7.87	.150	3.81	.125	3.18	.195	4.95	.465	11.81
15P	.483	12.27	0.715	18.16	1.300	33.02	1.540	39.12	.184	4.67	.310	7.87	.150	3.81	.125	3.18	.183	4.65	.465	11.81
15S	.551	14.00	0.715	18.16	1.300	33.02	1.540	39.12	.250	6.35	.310	7.87	.150	3.81	.125	3.18	.195	4.95	.465	11.81
21P	.633	16.08	0.865	21.97	1.450	36.83	1.690	42.93	.184	4.67	.310	7.87	.150	3.81	.125	3.18	.183	4.65	.465	11.81
21S	.701	17.81	0.865	21.97	1.450	36.83	1.690	42.93	.250	6.35	.310	7.87	.150	3.81	.125	3.18	.195	4.95	.465	11.81
25P	.733	18.62	0.965	24.51	1.550	39.37	1.790	45.47	.184	4.67	.310	7.87	.150	3.81	.125	3.18	.183	4.65	.465	11.81
25S	.801	20.35	0.965	24.51	1.550	39.37	1.790	45.47	.250	6.35	.310	7.87	.150	3.81	.125	3.18	.195	4.95	.465	11.81
31P	.883	22.43	1.115	28.32	1.800	45.72	2.040	51.82	.184	4.67	.310	7.87	.150	3.81	.125	3.18	.183	4.65	.465	11.81
31S	.951	24.16	1.115	28.32	1.800	45.72	2.040	51.82	.250	6.35	.310	7.87	.150	3.81	.125	3.18	.195	4.95	.465	11.81
37P	1.033	26.24	1.265	32.13	2.100	53.34	2.340	59.44	.184	4.67	.310	7.87	.150	3.81	.125	3.18	.183	4.65	.465	11.81
37S	1.101	27.96	1.265	32.13	2.100	53.34	2.340	59.44	.250	6.35	.310	7.87	.150	3.81	.125	3.18	.195	4.95	.465	11.81
51P	.983	24.97	1.215	30.86	1.600	40.64	1.875	47.63	.228	5.79	.351	8.92	.150	3.81	.125	3.18	.183	4.65	.565	14.35
51S	1.051	26.70	1.215	30.86	1.600	40.64	1.875	47.63	.296	7.52	.351	8.92	.150	3.81	.125	3.18	.195	4.95	.565	14.35
100P	1.383	35.13	1.8	45.72	2.500	63.50	2.780	70.6	.270	6.86	.394	10.01	.150	3.81	.225	5.72	.183	4.65	.765	19.43
100S	1.451	36.86	1.8	45.72	2.500	63.50	2.780	70.6	.333	8.46	.394	10.01	.150	3.81	.225	5.72	.195	4.95	.765	19.43

Our P/N	Contacts	Pin/Socket
MDSO16-A01NW	9	Pin
MDSO16-B01NW	15	Pin
MDSO16-C01NW	21	Pin
MDSO16-D01NW	25	Pin
MDSO16-E01NW	31	Pin
MDSO16-F01NW	37	Pin
MDSO17-G01NW	51	Pin
MDSO18-H01NW	100	Pin

Our P/N	Contacts	Pin/Socket
MDSO19-A01NW	9	socket
MDSO19-B01NW	15	socket
MDSO19-C01NW	21	socket
MDSO19-D01NW	25	socket
MDSO19-E01NW	31	socket
MDSO19-F01NW	37	socket
MDSO20-G01NW	51	socket
MDSO21-H01NW	100	socket

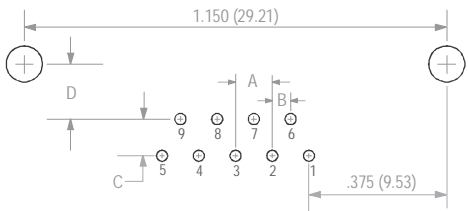
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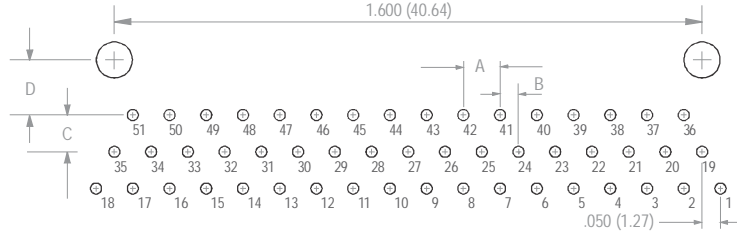
MIL-83513 PCB Right Angle 'Regular' Micro-D Connectors

Metal shell, nickel finish, mounted with jackpost and screw, 2.8mm pins length

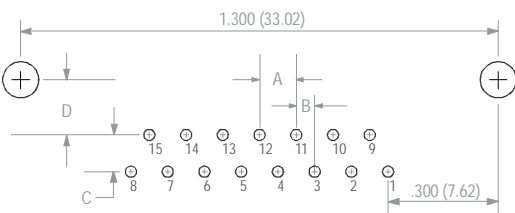
PCB Right Connectors, Regular Profile, PCB Layout for Pin Connectors



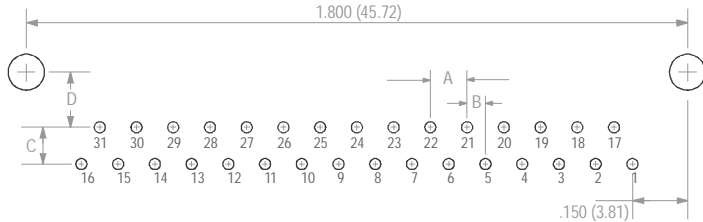
9 Pin



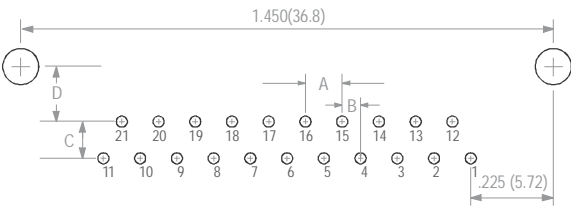
51 Pin



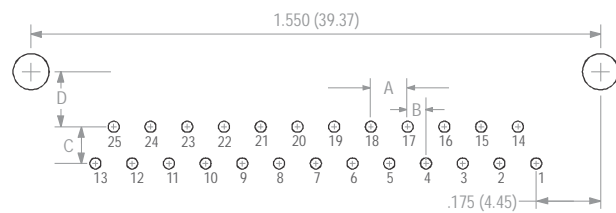
15 Pin



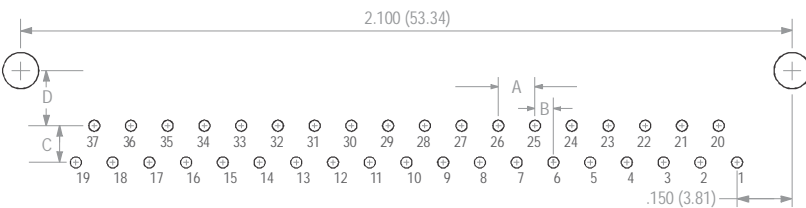
31 Pin



21 Pin



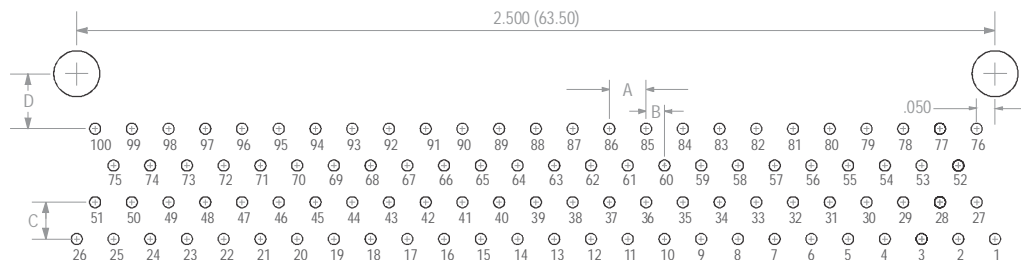
25 Pin



37 Pin

Dimensions:

- A = 0.100 (2.54)
- B = 0.050 (1.27)
- C = 0.100 (2.54)
- D = 0.150 (3.81)



100 Pin

Unit: Inch(mm)

View shown is for connector mounting side of PCB.

Mounting Holes = 2.44 mm diameter (for 9~51 contacts connectors)

Mounting Holes = 3.18 mm diameter (for 100 contacts connectors)

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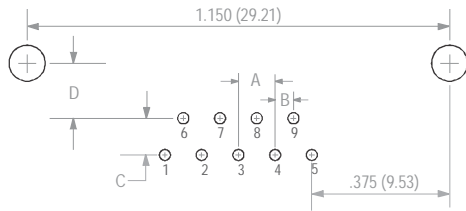
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MIL-83513 PCB Right Angle 'Regular' Micro-D Connectors

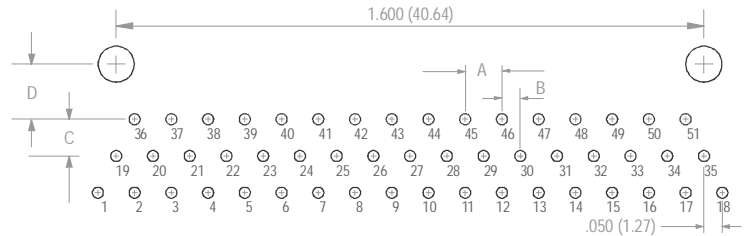
Metal shell, nickel finish, mounted with jackpost and screw, 2.8mm pins length



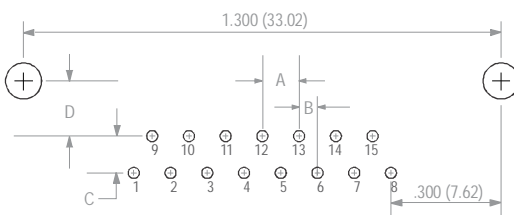
PCB Right Connectors, Regular Profile, PCB Layout for Socket Connectors



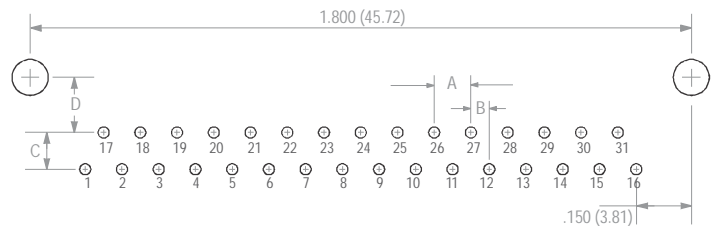
9 Socket



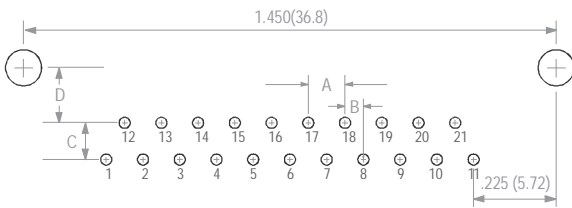
51 Socket



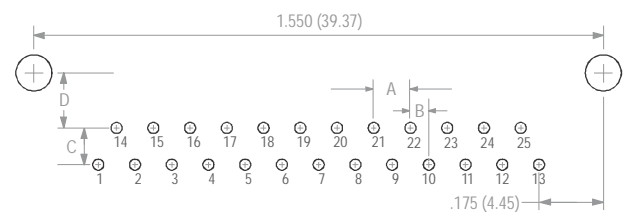
15 Socket



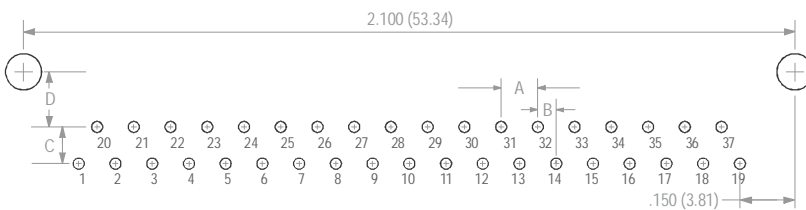
31 Socket



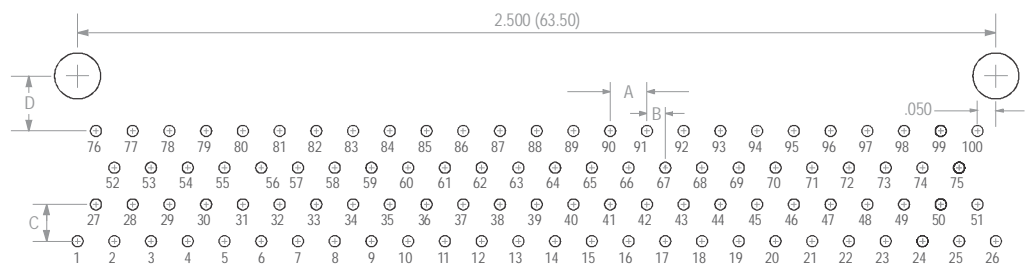
21 Socket



25 Socket



37 Socket



100 Socket

Dimensions:

- A = 0.100 (2.54)
- B = 0.050 (1.27)
- C = 0.100 (2.54)
- D = 0.150 (3.81)

Unit: Inch(mm)

View shown is for connector mounting side of PCB.

Mounting Holes = 2.44 mm diameter (for 9~51 contacts connectors)

Mounting Holes = 3.18 mm diameter (for 100 contacts connectors)

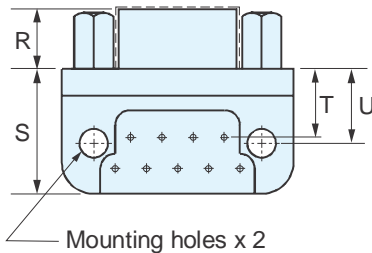
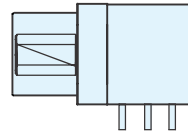
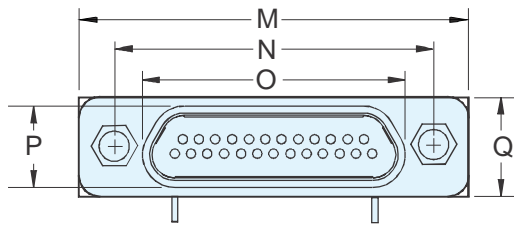
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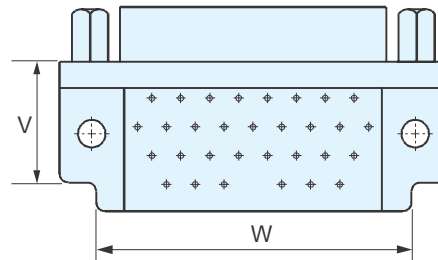
MIL-83513 PCB Right Angle 'Narrow' Micro-D Connectors

Metal shell, nickel finish, mounted with jackpost and screw, 2.8mm pins length

Mechanical Details for PCB Right Connectors, Narrow Profile



Dimensions for 9~25 contacts



Dimensions for 31~100 contacts

DIMENSIONS

Layout	M Max.		N		O Max.		P Max.		Q Max.		R		S Max.		T		U		V Max.		W Max.	
	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.
			±.003	±.008							±.003	±.008			±.010	±.025	±.010	±.025				
9P	.787	19.94	.565	14.35	.333	8.46	.184	4.67	.310	7.87	.183	4.65	.425	10.80	.230	5.84	.250	6.35	--	--	--	--
9S	.787	19.94	.565	14.35	.400	10.16	.250	6.35	.310	7.87	.195	4.95	.425	10.80	.230	5.84	.250	6.35	--	--	--	--
15P	.937	23.75	.715	18.16	.483	12.27	.184	4.67	.310	7.87	.183	4.65	.425	10.80	.130	3.30	.250	6.35	--	--	--	--
15S	.937	23.75	.715	18.16	.551	14.00	.250	6.35	.310	7.87	.195	4.95	.425	10.80	.130	3.30	.250	6.35	--	--	--	--
21P	1.087	27.56	.865	21.97	.633	16.08	.184	4.67	.310	7.87	.183	4.65	.425	10.80	.130	3.30	.250	6.35	--	--	--	--
21S	1.087	27.56	.865	21.97	.701	17.81	.250	6.35	.310	7.87	.195	4.95	.425	10.80	.130	3.30	.250	6.35	--	--	--	--
25P	1.187	30.01	.965	24.51	.733	18.62	.184	4.67	.310	7.87	.183	4.65	.425	10.80	.130	3.30	.250	6.35	--	--	--	--
25S	1.187	30.01	.965	24.51	.801	20.35	.250	6.35	.310	7.87	.195	4.95	.425	10.80	.130	3.30	.250	6.35	--	--	--	--
31P	1.337	33.91	1.115	28.32	.883	22.43	.184	4.67	.310	7.87	.183	4.65	.525	13.34	.130	3.30	.250	6.35	.450	11.43	1.085	27.56
31S	1.337	33.91	1.115	28.32	.951	24.16	.250	6.35	.310	7.87	.195	4.95	.525	13.34	.130	3.30	.250	6.35	.450	11.43	1.085	27.56
37P	1.487	37.72	1.265	32.13	1.033	26.24	.184	4.67	.310	7.87	.183	4.65	.525	13.34	.130	3.30	.250	6.35	.450	11.43	1.185	30.10
37S	1.487	37.72	1.265	32.13	1.101	27.96	.250	6.35	.310	7.87	.195	4.95	.525	13.34	.130	3.30	.250	6.35	.450	11.43	1.185	30.10
51P	1.435	36.45	1.215	30.86	.983	24.97	.228	5.79	.351	8.92	.183	4.65	.660	16.76	.150	3.81	.300	7.62	.450	11.43	1.225	31.12
51S	1.435	36.45	1.215	30.86	1.051	26.70	.296	7.52	.351	8.92	.195	4.95	.660	16.76	.150	3.81	.300	7.62	.450	11.43	1.225	31.12
69P	1.740	44.20	1.515	38.48	1.283	32.59	.228	5.79	.351	8.92	.183	4.65	.750	19.05	.150	3.81	.300	7.62	.450	11.43	1.530	38.86
69S	1.740	44.20	1.515	38.58	1.351	34.32	.296	7.52	.351	8.92	.195	4.95	.750	19.05	.150	3.81	.300	7.62	.450	11.43	1.530	38.86
100P	2.175	55.12	1.800	45.72	1.383	35.13	.270	6.86	.394	10.01	.183	4.65	1.010	25.65	.200	5.08	.490	12.45	.490	12.45	1.820	46.23
100S	2.175	55.12	1.800	45.72	1.451	36.86	.333	8.46	.394	10.01	.195	4.95	1.010	25.65	.200	5.08	.490	12.45	.490	12.45	1.820	46.23

Our P/N	Contacts	Pin/Socket
MDSO10-A01NW	9	Pin
MDSO10-B01NW	15	Pin
MDSO10-C01NW	21	Pin
MDSO10-D01NW	25	Pin
MDSO10-E01NW	31	Pin
MDSO10-F01NW	37	Pin
MDSO11-G01NW	51	Pin
MDSO12-H01NW	100	Pin

Our P/N	Contacts	Pin/Socket
MDSO13-A01NW	9	socket
MDSO13-B01NW	15	socket
MDSO13-C01NW	21	socket
MDSO13-D01NW	25	socket
MDSO13-E01NW	31	socket
MDSO13-F01NW	37	socket
MDSO14-G01NW	51	socket
MDSO15-H01NW	100	socket

Connectors are metal shell, nickel finish, mounted with jackpost and screw, 2.8mm pins length

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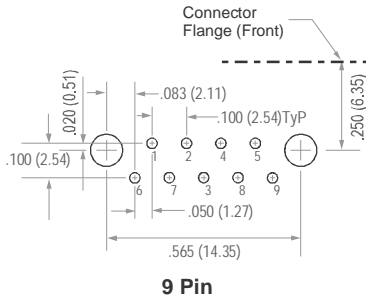
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MIL-83513 PCB Right Angle 'Narrow' Micro-D Connectors

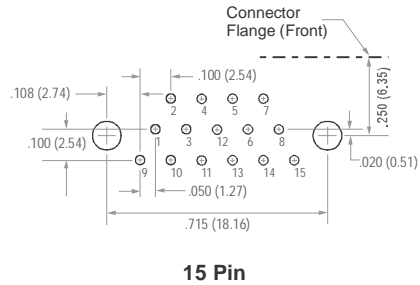
Metal shell, nickel finish, mounted with jackpost and screw, 2.8mm pins length



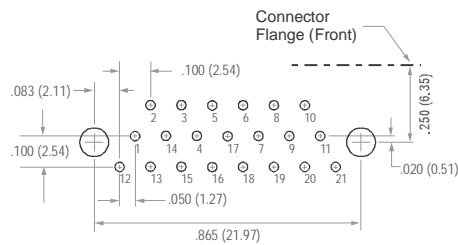
PCB Right Connectors, Narrow Profile, PCB Layout for Pin Connectors



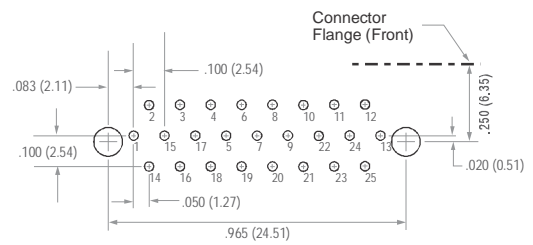
9 Pin



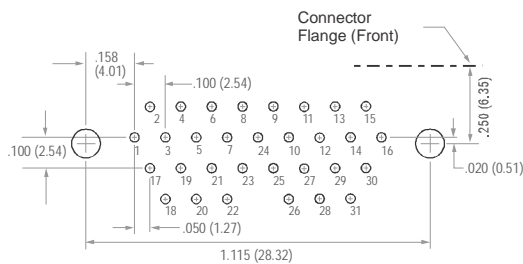
15 Pin



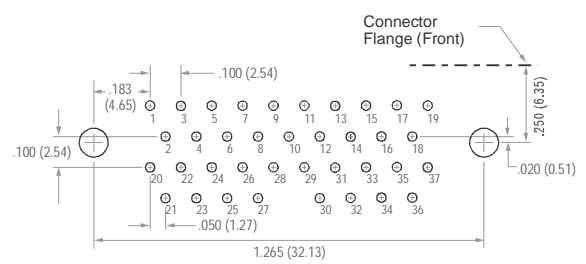
21 Pin



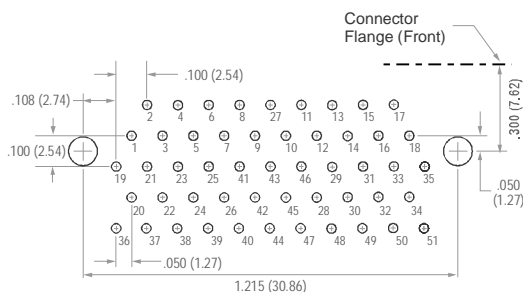
25 Pin



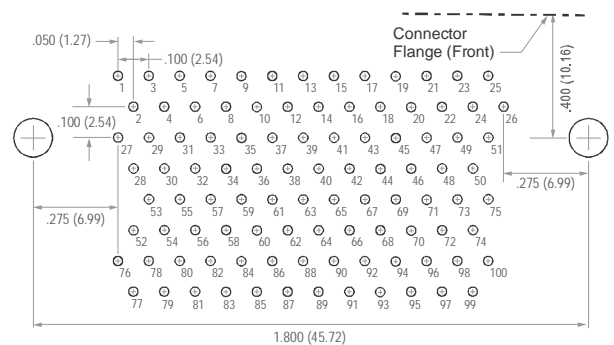
31 Pin



37 Pin



51 Pin



100 Pin

Unit: Inch(mm)

View shown is for connector mounting side of PCB.
 Mounting Holes = 2.44 mm diameter (for 9~51 contacts connectors)
 Mounting Holes = 3.18 mm diameter (for 100 contacts connectors)

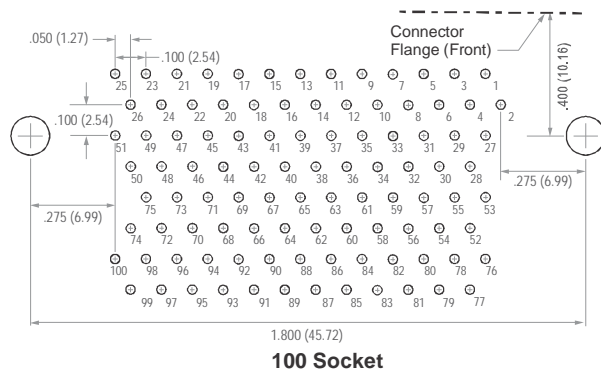
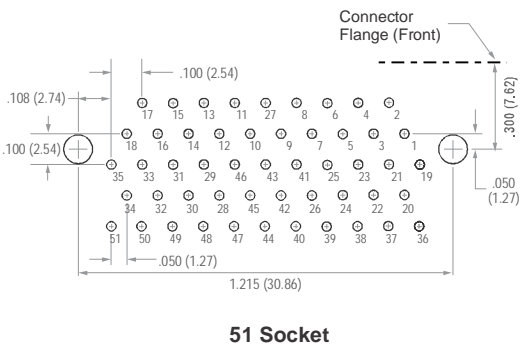
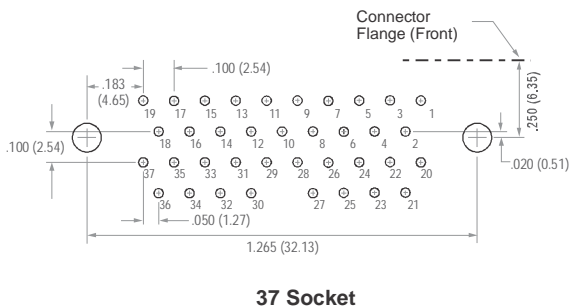
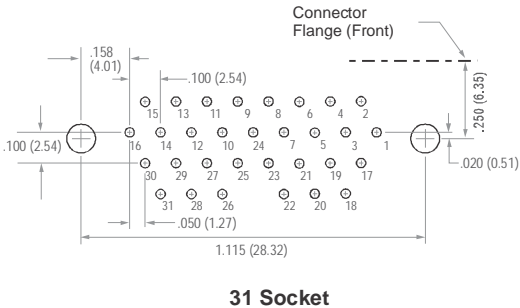
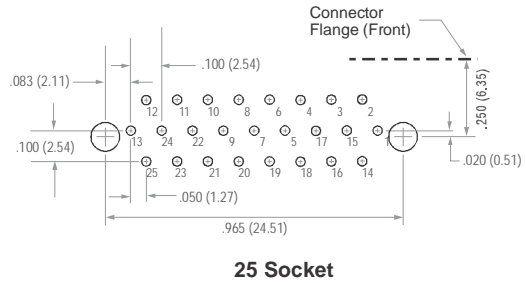
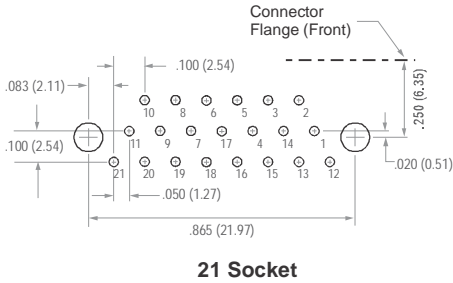
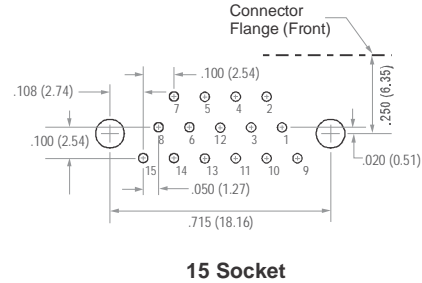
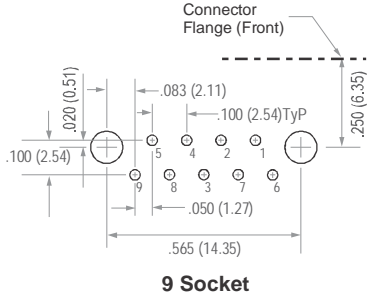
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MIL-83513 PCB Right Angle 'Narrow' Micro-D Connectors

Metal shell, nickel finish, mounted with jackpost and screw, 2.8mm pins length

PCB Right Connectors, Narrow Profile, PCB Layout for Socket Connectors



Unit: Inch(mm)

View shown is for connector mounting side of PCB.
 Mounting Holes = 2.44 mm diameter (for 9~51 contacts connectors)
 Mounting Holes = 3.18 mm diameter (for 100 contacts connectors)

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