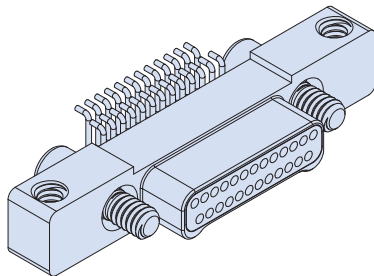


Right Angle Surface Mount PCB Connector with Jackscrews - How to Order



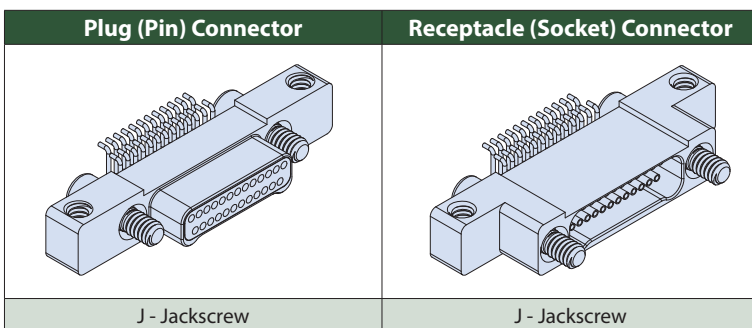
Right Angle Surface Mount PCB Nano Connectors feature gold alloy TwistPin contacts. These nanominiature connectors offer premium performance and reliability for demanding applications.

Choose Aluminum, Titanium or Stainless Steel Shells in eleven layouts from 9 to 85 contacts. Complies to the requirements of MIL-DTL-32139.

Pre-Tinned PC Tails are coated with Sn63Pb37 or Sn60Pb40 tin-lead for excellent solderability.

How to Order					
Sample Part Number	891-019 -25P A2 -BRS J				
Series	891-019 Plug, Right Angle Surface Mount Connector with Jackscrews 891-020 Receptacle, Right Angle Surface Mount Connector with Jackscrews				
Insert Arrangement/Contact Type	Pins (891-019 Plugs) - 9P, 15P, 21P, 25P, 31P, 37P, 41P, 51P, 65P, 69P, 85P Sockets (891-020 Receptacles) - 9S, 15S, 21S, 25S, 31S, 37S, 41S, 51S, 65S, 69S, 85S				
Shell Material and Finish	A1 - Aluminum Shell, Cadmium Plating A2 - Aluminum Shell, Electroless Nickel Plating		T - Titanium Shell, Unplated S - Stainless Steel Shell, Passivated		
Termination Type	BRS - Board Right Angle Surface Mount				
Hardware	J - Hex Head Jackscrew				

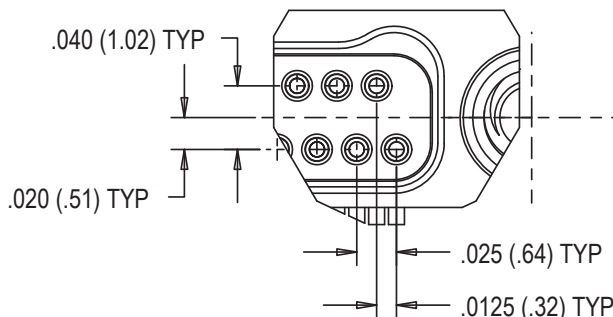
D



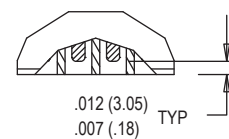
NOTES

- Material and Finish
 - Shell: see part number break down
 - Insulator: LCP/N/A
 - Contacts: gold alloy / unplated
 - Pre-tinned PC tails: coated with Sn63Pb37 or Sn60Pb40 tin-lead
 - Hardware: passivated stainless steel
- Inspect and Test IAW MIL-DTL-32139
- Interface dimensions per MIL-DTL-32139/3 and /4

DETAIL A

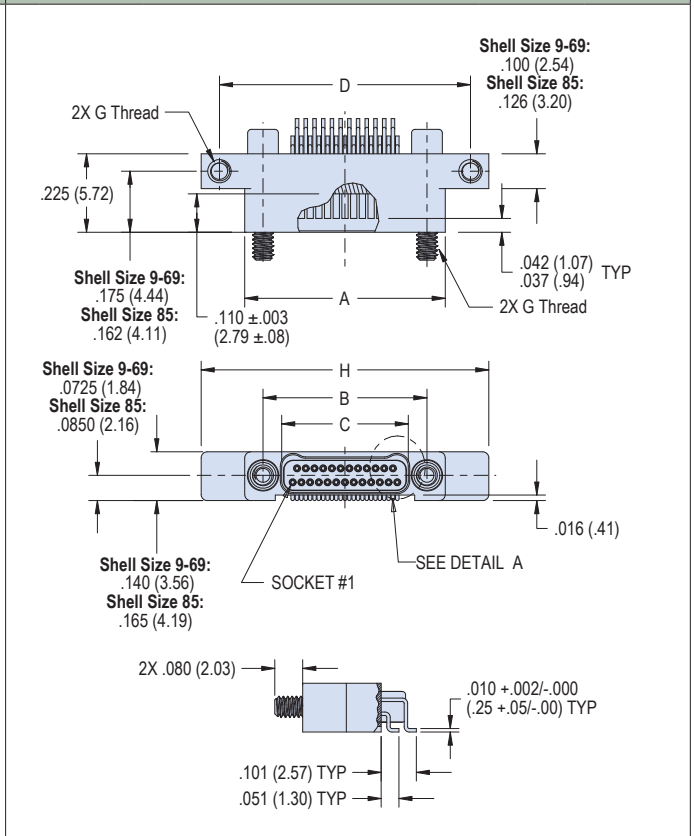
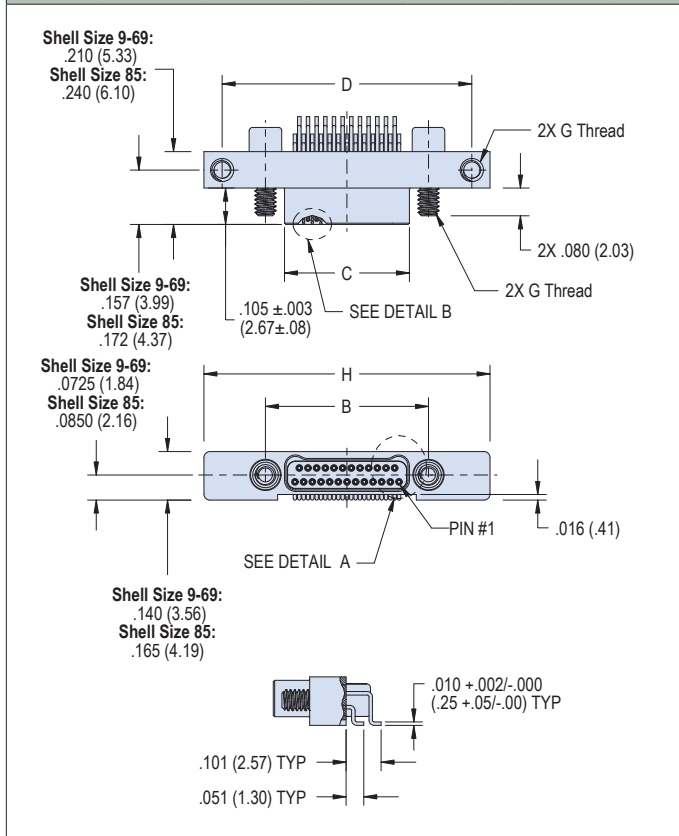


DETAIL B



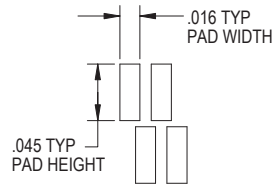
Dimensions

891-019 Plug (Pin) Connectors **891-020 Receptacle (Socket) Connectors**

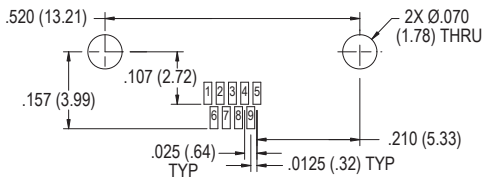
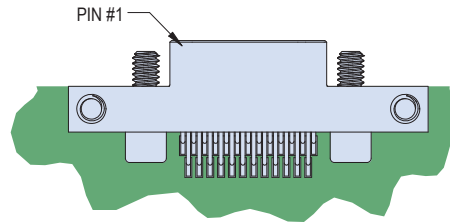


Layout	A		B BSC.		C BSC.		D		G Thread	H	
	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	In.	mm
9P	--	--	.270	6.86	.160	4.06	.520	13.21	#0-80 UNF	.625	15.88
9S	.375	9.53	.270	6.86	.163	4.14	.520	13.21	#0-80 UNF	.625	15.88
15P	--	--	.345	8.76	.235	5.97	.595	15.11	#0-80 UNF	.700	17.78
15S	.450	11.43	.345	8.76	.238	6.05	.595	15.11	#0-80 UNF	.700	17.78
21P	--	--	.420	10.67	.310	7.87	.670	17.02	#0-80 UNF	.775	19.69
21S	.525	13.34	.420	10.67	.313	7.95	.670	17.02	#0-80 UNF	.775	19.69
25P	--	--	.470	11.94	.360	9.14	.720	18.29	#0-80 UNF	.825	20.96
25S	.575	14.61	.470	11.94	.363	9.22	.720	18.29	#0-80 UNF	.825	20.96
31P	--	--	.545	13.84	.435	11.05	.795	20.19	#0-80 UNF	.900	22.86
31S	.650	16.51	.545	13.84	.438	11.13	.795	20.19	#0-80 UNF	.900	22.86
37P	--	--	.620	15.75	.510	12.95	.870	22.10	#0-80 UNF	.975	24.77
37S	.725	18.42	.620	15.75	.513	13.03	.870	22.10	#0-80 UNF	.975	24.77
41P	--	--	.670	17.02	.560	14.22	.920	23.37	#0-80 UNF	1.025	26.04
41S	.775	19.69	.670	17.02	.563	14.30	.920	23.37	#0-80 UNF	1.025	26.04
51P	--	--	.795	20.19	.685	17.40	1.045	26.54	#0-80 UNF	1.150	29.21
51S	.900	22.86	.795	20.19	.688	17.48	1.045	26.54	#0-80 UNF	1.150	29.21
65P	--	--	.970	24.64	.860	21.84	1.220	30.99	#0-80 UNF	1.325	33.66
65S	1.075	27.31	.970	24.64	.863	21.92	1.220	30.99	#0-80 UNF	1.325	33.66
69P	--	--	1.020	25.91	.910	23.11	1.270	32.26	#0-80 UNF	1.375	34.93
69S	1.125	28.58	1.020	25.91	.913	23.19	1.270	32.26	#0-80 UNF	1.375	34.93
85P	--	--	1.246	31.65	1.110	28.19	1.546	39.27	#2-56 UNC	1.679	42.65
85S	1.377	34.98	1.246	31.65	1.113	28.27	1.546	39.27	#2-56 UNC	1.679	42.65

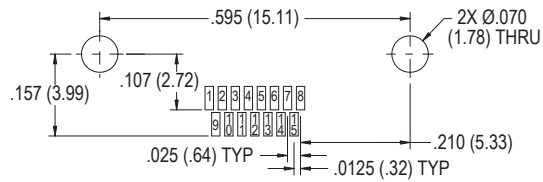
Right Angle Surface Mount PCB Connectors with Jackscrews - Plug Pad Footprint



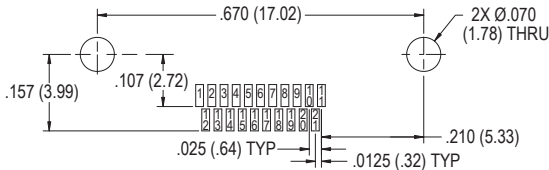
PAD FOOTPRINT DETAIL



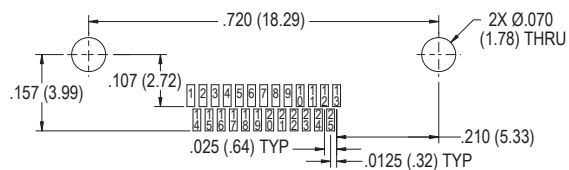
9 Contacts



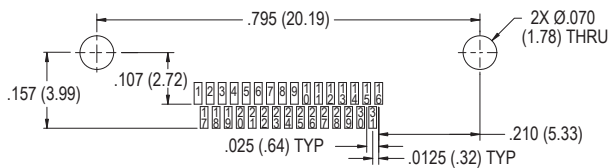
15 Contacts



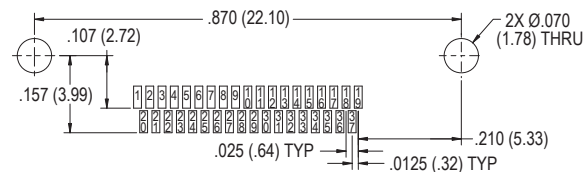
21 Contacts



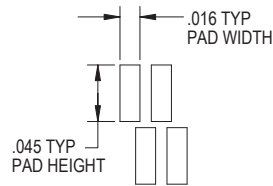
25 Contacts



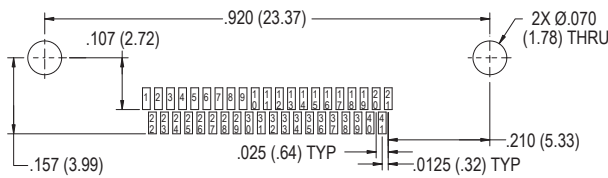
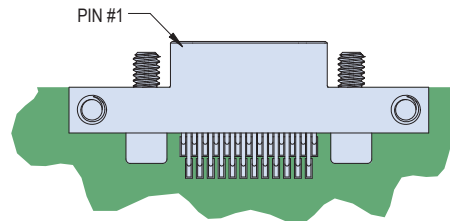
31 Contacts



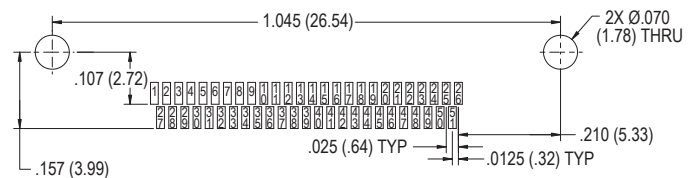
37 Contacts



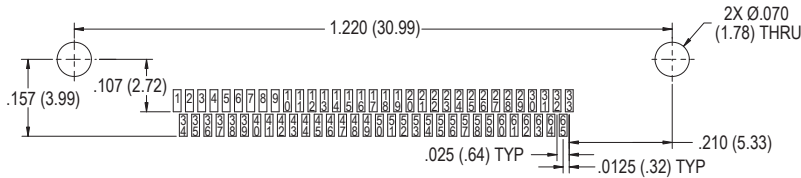
PAD FOOTPRINT DETAIL



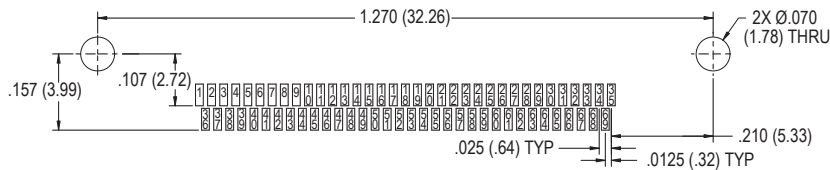
41 Contacts



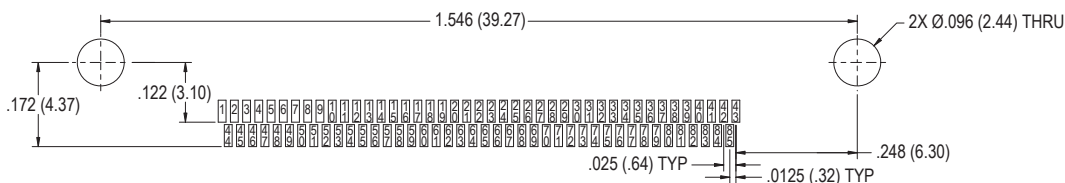
51 Contacts



65 Contacts

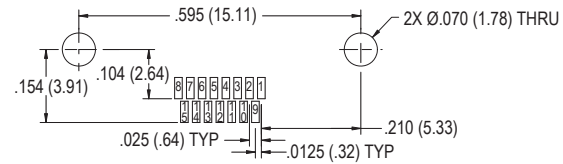
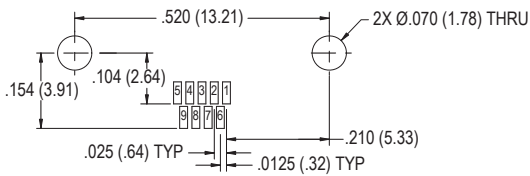
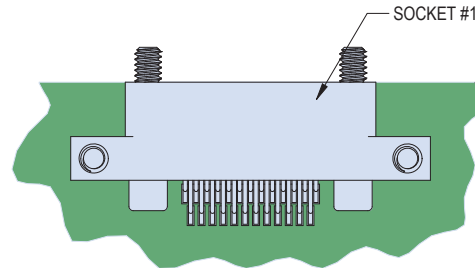
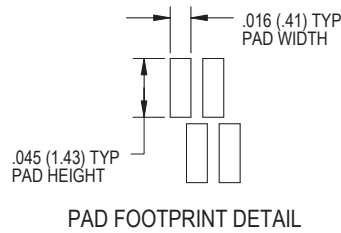


69 Contacts



85 Contacts

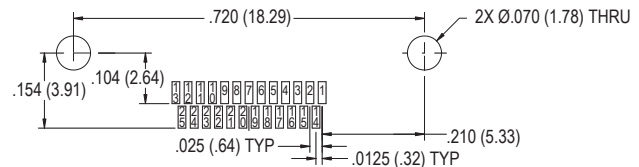
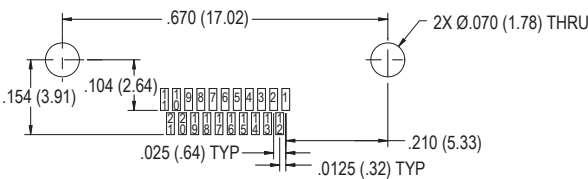
D



9 Contacts

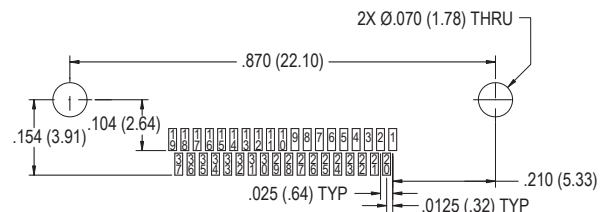
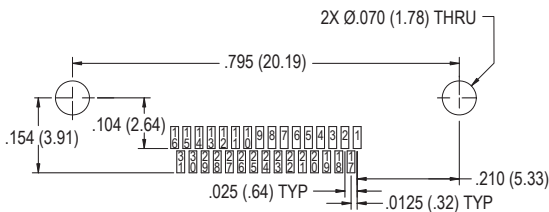
15 Contacts

D



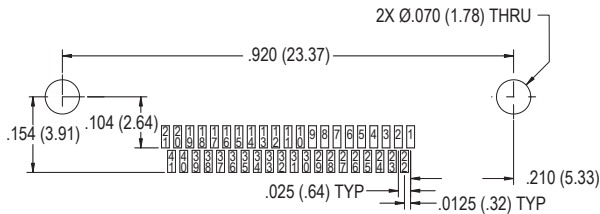
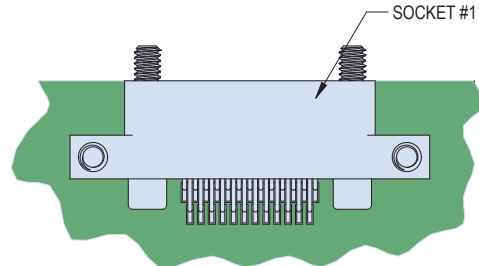
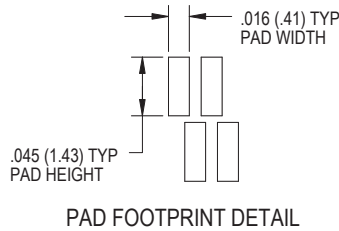
21 Contacts

25 Contacts

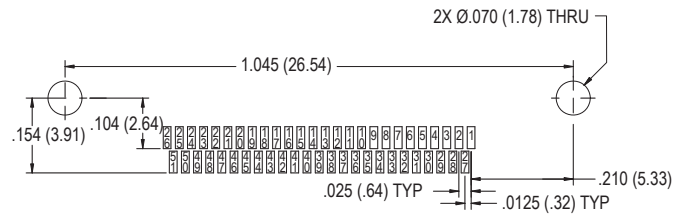


31 Contacts

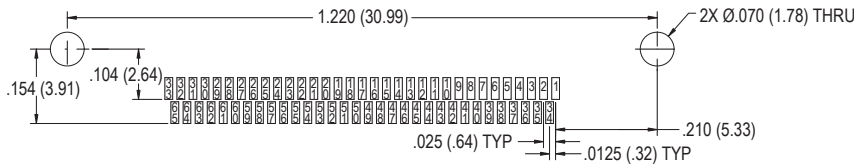
37 Contacts



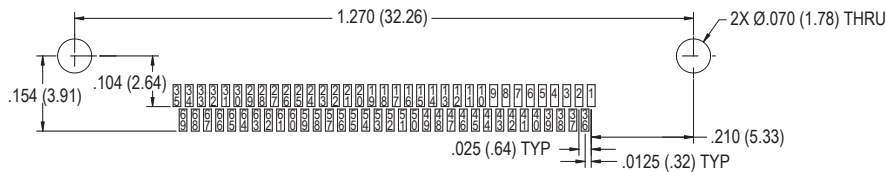
41 Contacts



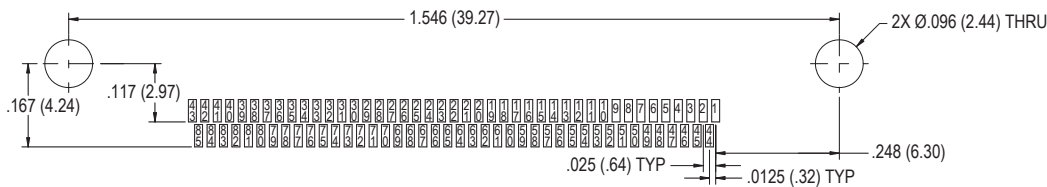
51 Contacts



65 Contacts



69 Contacts



85 Contacts

D