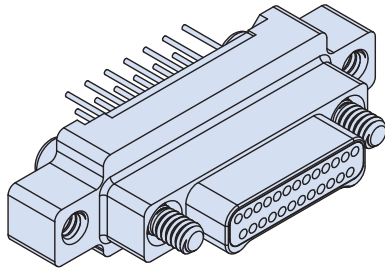


Vertical Mount Thru Hole PCB Connectors with Mounting Ears - How to Order



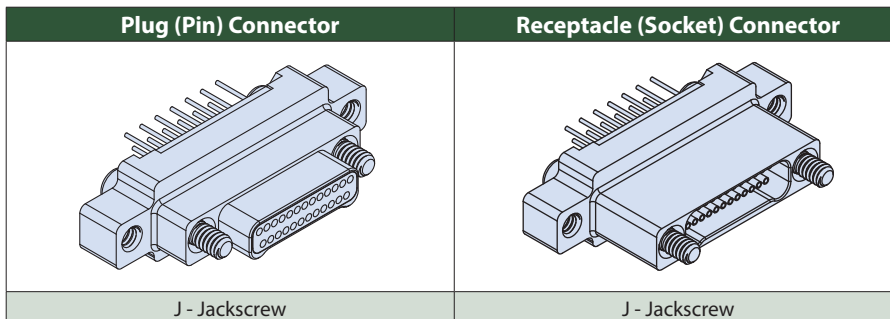
Vertical Mount PCB Nano Connectors feature gold alloy TwistPin contacts. These nanomimature connectors offer premium performance and reliability for demanding applications. Available with female mounting threads and jackscrews

Choose Aluminum, Titanium or Stainless Steel Shells in eleven layouts from 9 to 85 contacts. Complies to the requirements of MIL-DTL-32139. These connectors are intermateable with any corresponding Glenair Series 891 Dual row metal shell nanomimature connector.

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

How to Order	
Sample Part Number	891-040 -25S A2 -BST 1 J
Series	891-039 Plug, Vertical Mount Thru Hole PCB Connector with Mounting Ears 891-040 Receptacle, Vertical Mount Thru Hole PCB Connector with Mounting Ears
Insert Arrangement/ Contact Type	Pins (891-039 Plugs) 9P, 15P, 21P, 25P, 31P, 37P, 41P, 51P, 65P, 69P, 85P Sockets (891-040 Receptacles) 9S, 15S, 21S, 25S, 31S, 37S, 41S, 51S, 65S, 69S, 85S
Shell Material and Finish	A1 - Aluminum Shell, Cadmium Plating S - Stainless Steel Shell, Passivated A2 - Aluminum Shell, Electroless Nickel Plating T - Titanium Shell, Unplated
Termination Type	BST - Board Straight Thru Hole
PC Tail Length	1 - .110 (2.79) 2 - .172 (4.37) 3 - .140 (3.56)
Hardware	J - Jackscrew

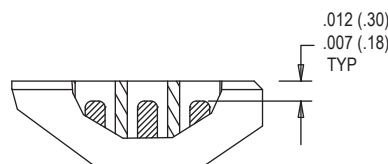
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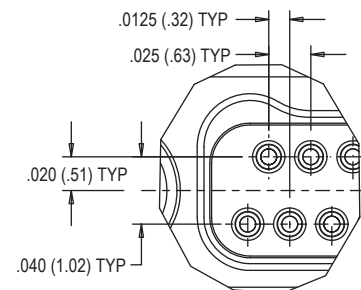
NOTES

1. Inspect and test IAW MIL-DTL-32139
2. Interface dimensions per MIL-DTL-32139/3 and /4
3. Materials/finishes
 - 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

DETAIL B

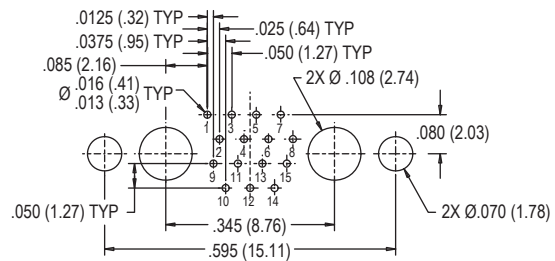
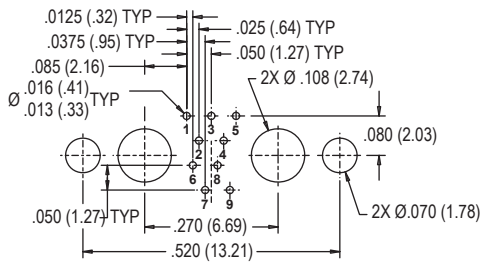
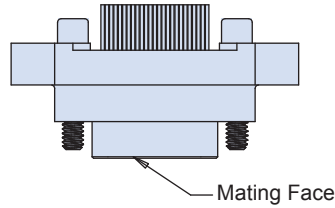
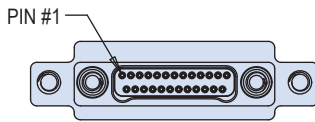


DETAIL A



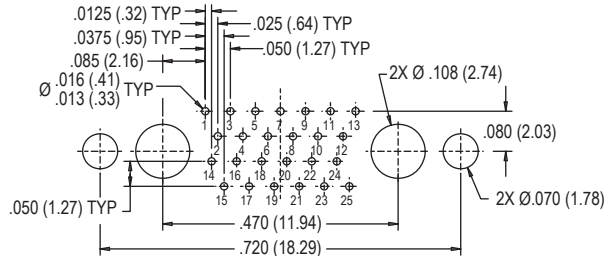
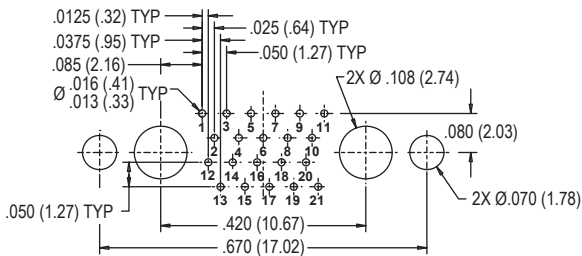
Dimensions																	
891-039 Plug (Pin) Connector									891-040 Receptacle (Socket) Connector								
Size	A		B BSC.		C BSC.		D		E		F		G Thrd	H		J	
	In	mm	In	mm	In	mm	In	mm	In	mm	In	mm		In	mm	In	mm
9P	.375	9.53	.270	6.86	.160	4.06	.170	4.32	.125	3.18	.0575	1.46	#0-80 UNF	.520	13.21	.625	15.88
9S	.375	9.53	.270	6.86	.163	4.14	.170	4.32	.125	3.18	.0575	1.46	#0-80 UNF	.520	13.21	.625	15.88
15P	.450	11.43	.345	8.76	.235	5.97	.245	6.22	.125	3.18	.0575	1.46	#0-80 UNF	.595	15.11	.700	17.78
15S	.450	11.43	.345	8.76	.238	6.05	.245	6.22	.125	3.18	.0575	1.46	#0-80 UNF	.595	15.11	.700	17.78
21P	.525	13.34	.420	10.67	.310	7.87	.320	8.13	.125	3.18	.0575	1.46	#0-80 UNF	.670	17.02	.775	19.69
21S	.525	13.34	.420	10.67	.313	7.95	.320	8.13	.125	3.18	.0575	1.46	#0-80 UNF	.670	17.02	.775	19.69
25P	.575	14.61	.470	11.94	.360	9.14	.370	9.40	.125	3.18	.0575	1.46	#0-80 UNF	.720	18.29	.825	20.96
25S	.575	14.61	.470	11.94	.363	9.22	.370	9.40	.125	3.18	.0575	1.46	#0-80 UNF	.720	18.29	.825	20.96
31P	.650	16.51	.545	13.84	.435	11.05	.445	11.30	.125	3.18	.0575	1.46	#0-80 UNF	.795	20.19	.900	22.86
31S	.650	16.51	.545	13.84	.438	11.13	.445	11.30	.125	3.18	.0575	1.46	#0-80 UNF	.795	20.19	.900	22.86
37P	.725	18.42	.620	15.75	.510	12.95	.520	13.21	.125	3.18	.0575	1.46	#0-80 UNF	.870	22.10	.975	24.77
37S	.725	18.42	.620	15.75	.513	13.03	.520	13.21	.125	3.18	.0575	1.46	#0-80 UNF	.870	22.10	.975	24.77
41P	.775	19.69	.670	17.02	.560	14.22	.570	14.48	.125	3.18	.0575	1.46	#0-80 UNF	.920	23.37	1.025	26.04
41S	.775	19.69	.670	17.02	.563	14.30	.570	14.48	.125	3.18	.0575	1.46	#0-80 UNF	.920	23.37	1.025	26.04
51P	.900	22.86	.975	24.77	.685	17.40	.695	17.65	.125	3.18	.0575	1.46	#0-80 UNF	1.045	26.54	1.150	29.21
51S	.900	22.86	.975	24.77	.688	17.48	.695	17.65	.125	3.18	.0575	1.46	#0-80 UNF	1.045	26.54	1.150	29.21
65P	1.075	27.31	.970	24.64	.860	21.84	.870	22.10	.125	3.18	.0575	1.46	#0-80 UNF	1.220	30.99	1.325	33.66
65S	1.075	27.31	.970	24.64	.863	21.92	.870	22.10	.125	3.18	.0575	1.46	#0-80 UNF	1.220	30.99	1.325	33.66
69P	1.125	28.58	1.020	25.91	.910	23.11	.920	23.37	.125	3.18	.0575	1.46	#0-80 UNF	1.270	32.26	1.375	34.93
69S	1.125	28.58	1.020	25.91	.913	23.19	.920	23.37	.125	3.18	.0575	1.46	#0-80 UNF	1.270	32.26	1.375	34.93
85P	1.377	34.98	1.246	31.65	1.110	28.19	1.120	28.45	.150	3.81	.0700	1.78	#2-56 UNC	1.546	39.27	1.679	42.65
85S	1.377	34.98	1.246	31.65	1.113	28.27	1.120	28.45	.150	3.81	.0700	1.78	#2-56 UNC	1.546	39.27	1.679	42.65

D



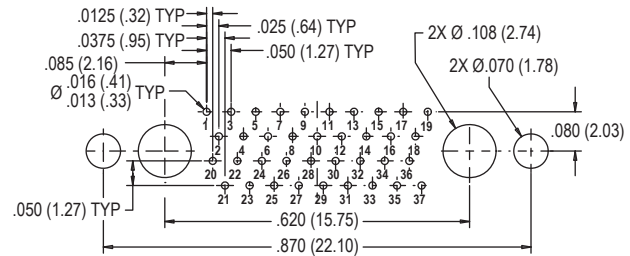
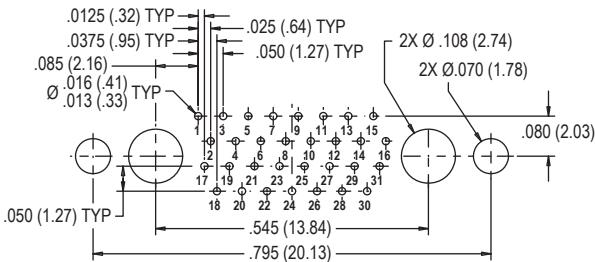
9 Contacts

15 Contacts



21 Contacts

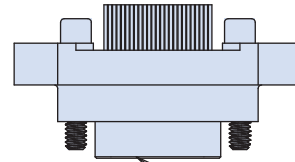
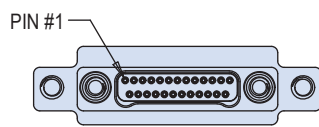
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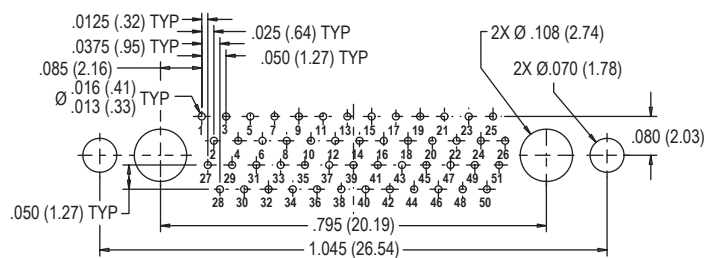
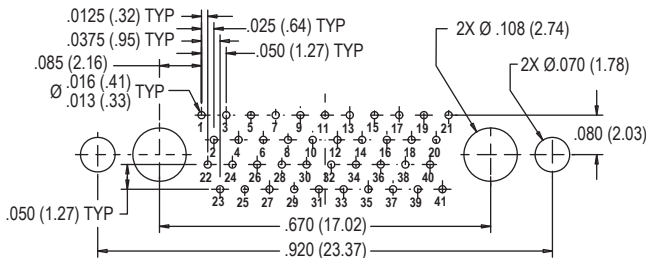
31 Contacts

37 Contacts

Layouts shown are for connector mounting side of PC Board.

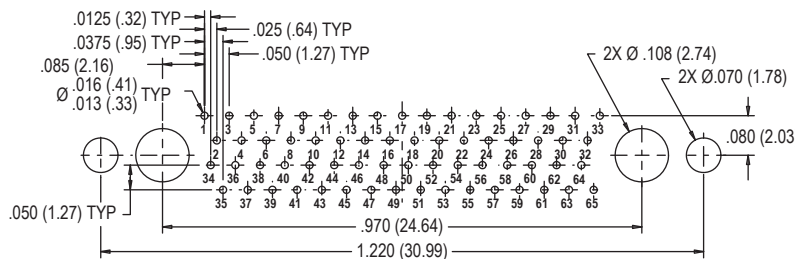


Mating Face

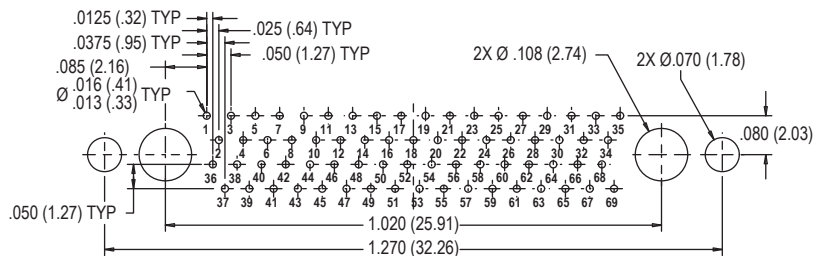


41 Contacts

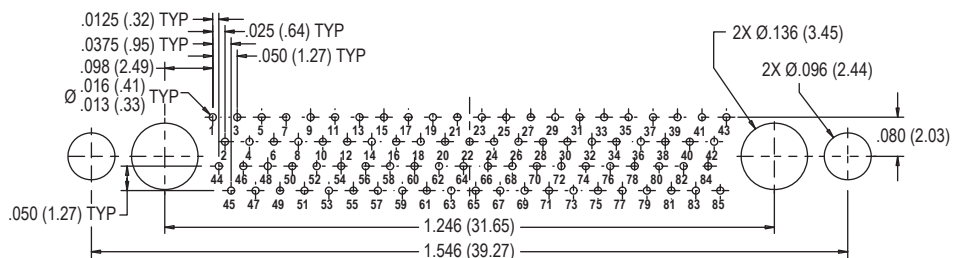
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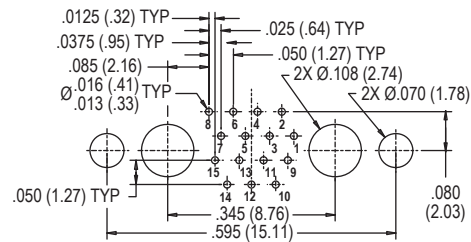
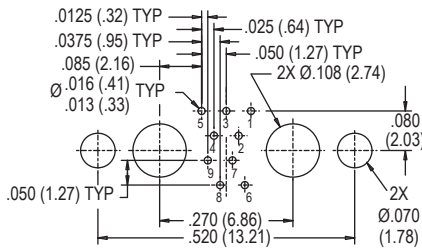
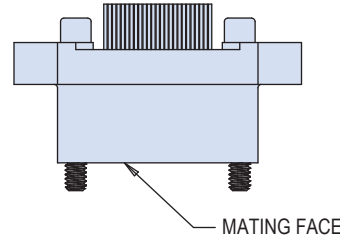
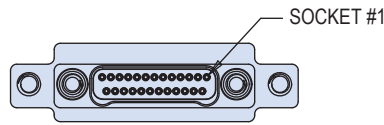


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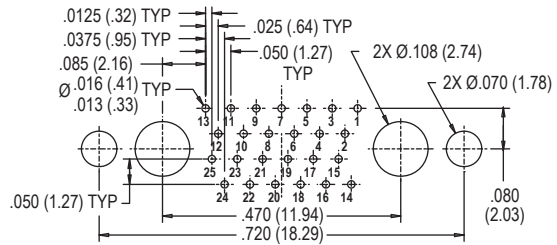
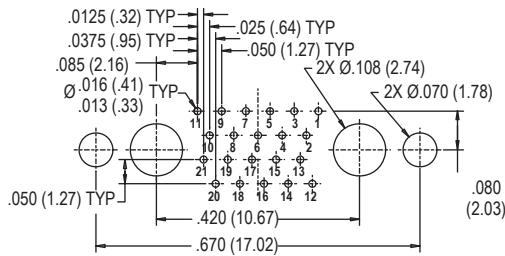
85 Contacts

Layouts shown are for connector mounting side of PC Board.



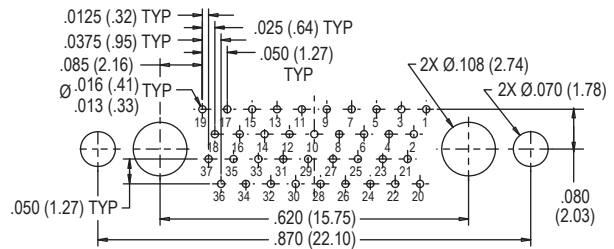
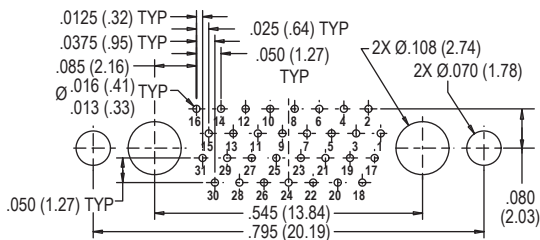
9 Contacts

15 Contacts



21 Contacts

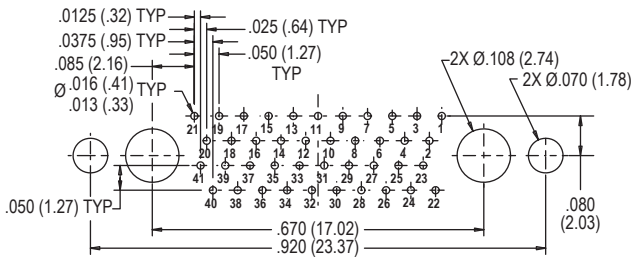
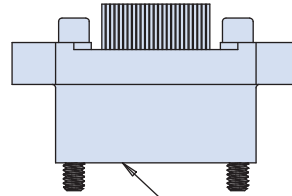
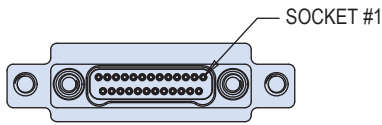
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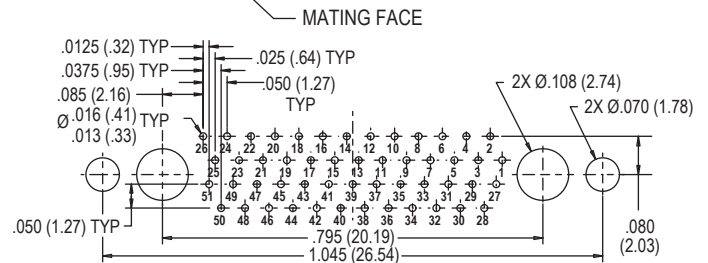
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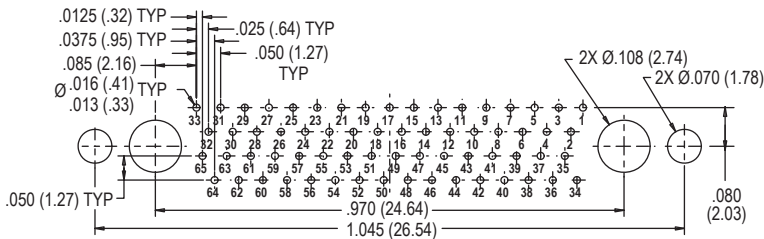
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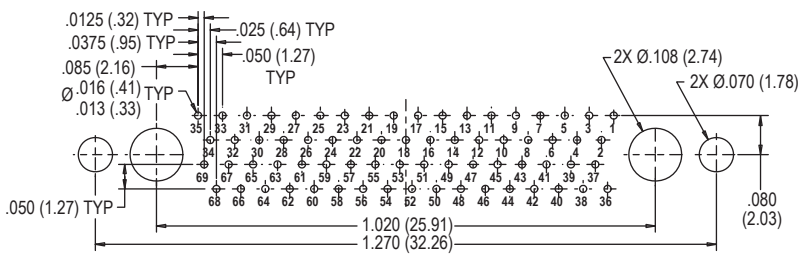
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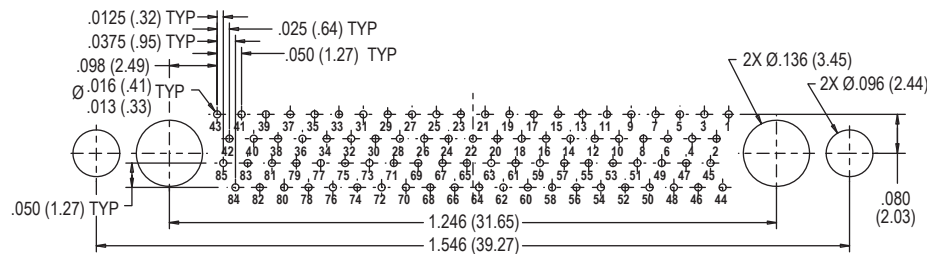
51 Contacts



65 Contacts



69 Contacts



85 Contacts

