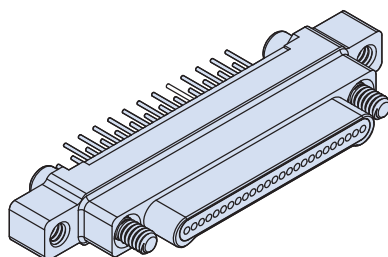




SERIES 89 PCB Single Row Connectors



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



Vertical Mount Thru Hole PCB Nano Connectors feature gold alloy TwistPin contacts. These nanominiature connectors offer premium performance and reliability for demanding applications. Available with #0-80 female threads and #0-80 jackscrew threads.

Choose Aluminum, Titanium or Stainless Steel Shells in eight layouts from 5 to 51 contacts. These connectors are intermateable with any corresponding Glenair Series 890 single row metal shell nanominiature connector.

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

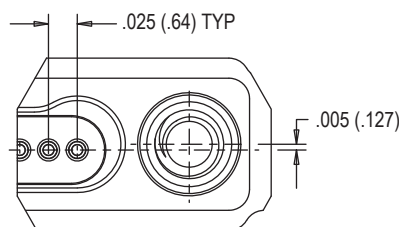
How to Order						
Sample Part Number	890-039	-25P	A2	-BST	1	J
Series	890-039 = Vertical Mount, Thru Hole PCB Plug 890-040 = Vertical Mount, Thru Hole PCB Receptacle					
Insert Arrangement/ Contact Type	Plugs (890-039): 5P, 9P, 15P, 21P, 25P, 31P, 37P, 51P Receptacles (890-040): 5S, 9S, 15S, 21S, 25S, 31S, 37S, 51S					
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 = Hex Head Jackscrew					

Plug (Pin) Connector	Receptacle (Socket) Connector
J - Jackscrew	J - Jackscrew

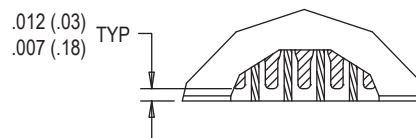
NOTES

- Material and finish:
 - Shell: see part number breakdown
 - Insulator: LCP N/A
 - Contacts: gold alloy/unplated
 - Pre-tinned PC tails: coated with Sn63Pb37 or Sn60Pb40 tin-lead
 - Hardware: stainless steel, passivated
- Inspect and Test IAW MIL-DTL-32139
- Interface dimensions per MIL-DTL-32139/5 and MIL-DTL-32139/6

DETAIL A



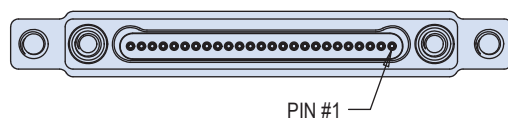
DETAIL B



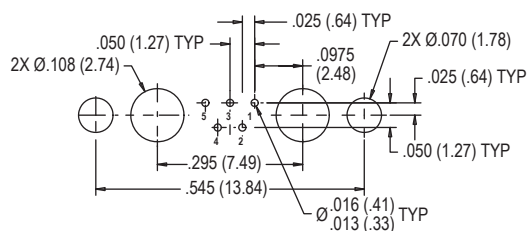
Dimensions												
890-039 Plug (Pin) Connectors							890-040 Receptacle (Socket) Connectors					
Lead Length $\pm .015$ (.38) D $2x .070$ (1.78) $.020$ (.51) $.105 \pm .003$ (2.67 $\pm$.08) $2x .080$ (2.03) See Detail B A B C $.150$ (3.81) Pin #1 F E See Detail A $.210$ (5.33) $.010 + .002/- .000$ Typ (.25 + .05/- .00) Typ $.330$ (8.38)							LEAD LENGTH $\pm .015$ (.38) D $2x .070$ (1.78) $.020$ (.51) $.110 \pm .003$ (2.79 $\pm$.08) $.042$ (1.07) $.037$ (.94) TYP $2x .080$ (2.03) A B C $.150$ (3.81) SOCKET #1 F E SEE DETAIL A $.225$ (5.72) $.010 + .002/- .000$ Typ (.25 + .05/- .00) Typ $.345$ (8.76)					
Layout	A		B BSC.		C BSC.		D BSC		E		F	
	In. $\pm .005$	mm. ± 0.13	In.	mm.	In.	mm.	In.	mm	In.	mm	In.	mm
5P	.400	10.16	.295	7.49	.184	4.67	.185	4.70	.650	16.51	.545	13.84
5S	.400	10.16	.295	7.49	.185	4.70	.185	4.70	.650	16.51	.545	13.84
9P	.500	12.70	.395	10.03	.284	7.21	.285	7.24	.750	19.05	.645	16.38
9S	.500	12.70	.395	10.03	.285	7.24	.285	7.24	.750	19.05	.645	16.38
15P	.650	16.51	.545	13.84	.434	11.02	.435	11.05	.900	22.86	.795	20.19
15S	.650	16.51	.545	13.84	.435	11.05	.435	11.05	.900	22.86	.795	20.19
21P	.800	20.32	.695	17.65	.584	14.83	.585	14.86	1.050	26.67	.945	24.00
21S	.800	20.32	.695	17.65	.585	14.86	.585	14.86	1.050	26.67	.945	24.00
25P	.900	22.86	.795	20.19	.684	17.37	.685	17.40	1.150	29.21	1.045	26.54
25S	.900	22.86	.795	20.19	.685	17.40	.685	17.40	1.150	29.21	1.045	26.54
31P	1.050	26.67	.945	24.00	.834	21.18	.835	21.21	1.300	33.02	1.195	30.35
31S	1.050	26.67	.945	24.00	.835	21.21	.835	21.21	1.300	33.02	1.195	30.35
37P	1.200	30.48	1.095	27.81	.984	24.99	.985	25.02	1.450	36.83	1.345	34.16
37S	1.200	30.48	1.095	27.81	.985	25.02	.985	25.02	1.450	36.83	1.345	34.16
51P	1.550	39.37	1.445	36.70	1.334	33.88	1.335	33.91	1.800	45.72	1.695	43.05
51S	1.550	39.37	1.445	36.70	1.335	33.91	1.335	33.91	1.800	45.72	1.695	43.05

Vertical Mount Thru Hole PCB Connectors with Mounting Ears - Plug Footprints

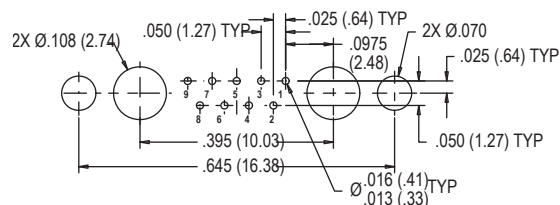
Vertical PCB plug (pin) connector layout patterns shown are for the connector mounting side of PC board



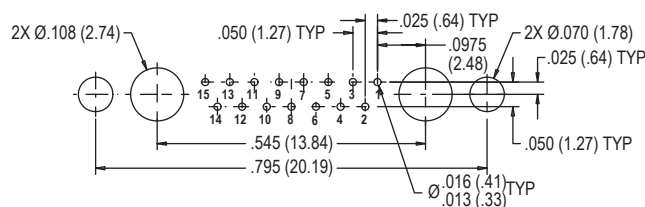
5 Contacts



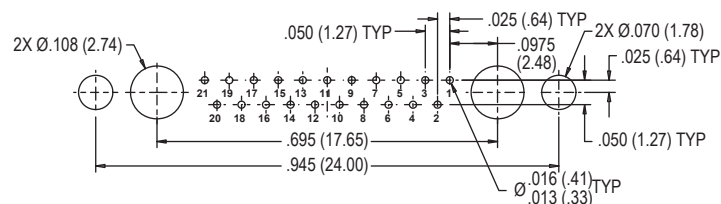
9 Contacts



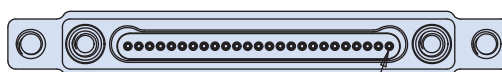
15 Contacts



21 Contacts

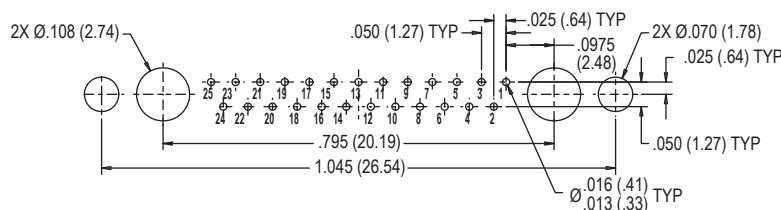


Vertical PCB plug (pin) connector layout patterns shown are for the connector mounting side of PC board

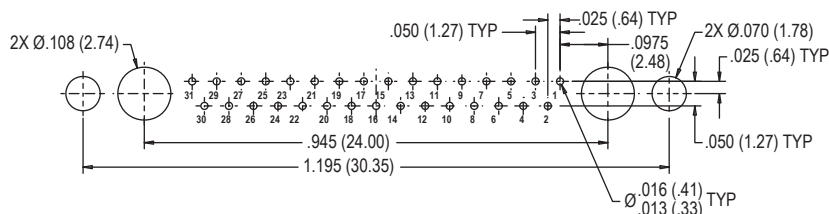


PIN #1

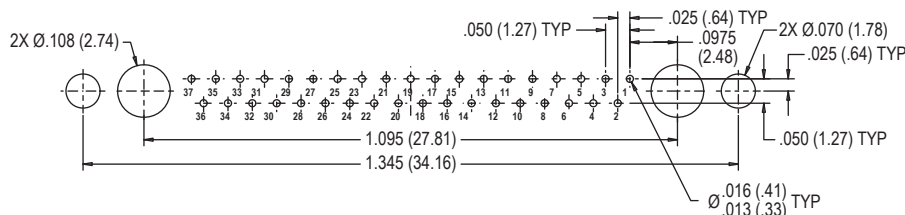
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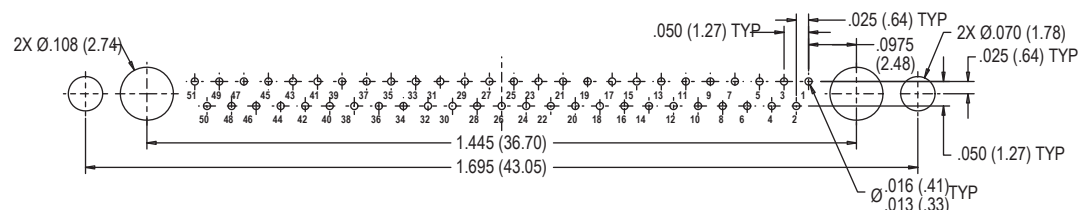
31 Contacts



37 Contacts

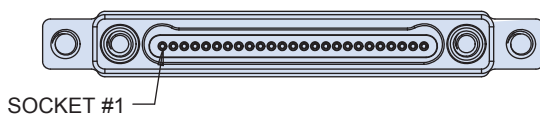


51 Contacts

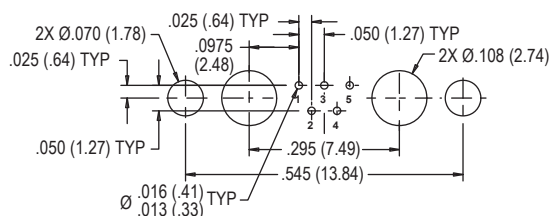


Vertical Mount Thru Hole PCB Connectors with Mounting Ears - Receptacle Footprints

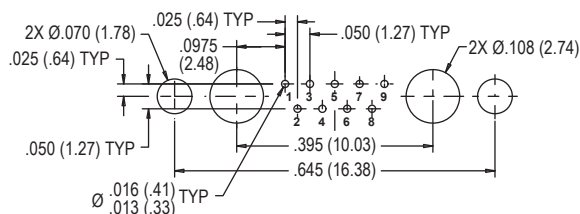
Vertical PCB Receptacle (socket) connector layout patterns shown are for the connector mounting side of PC board



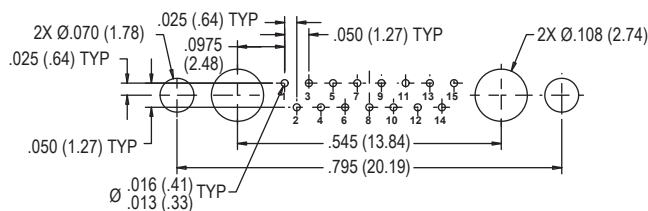
5 Contacts



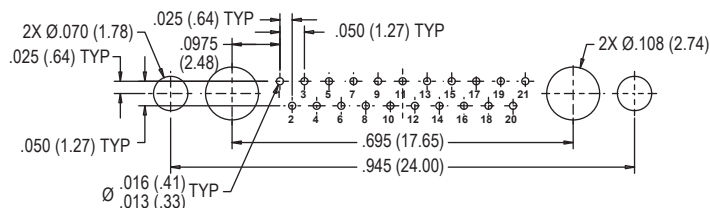
9 Contacts



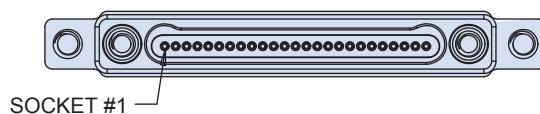
15 Contacts



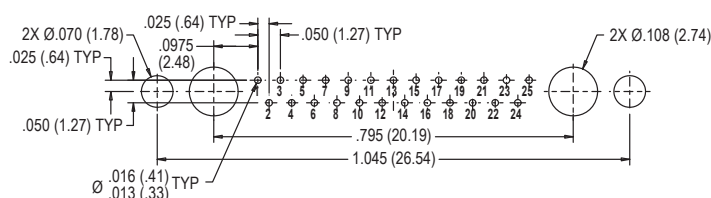
21 Contacts



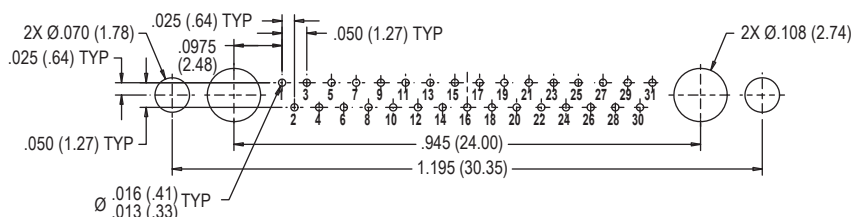
Vertical PCB Receptacle (socket) connector layout patterns shown are for the connector mounting side of PC board



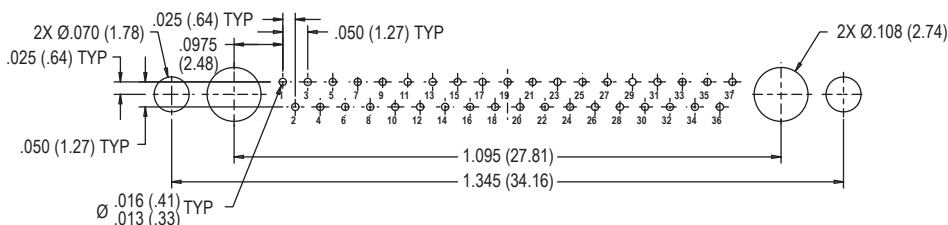
25 Contacts



31 Contacts



37 Contacts



51 Contacts

