

**Vertical Surface Mount PCB Nano Connectors**

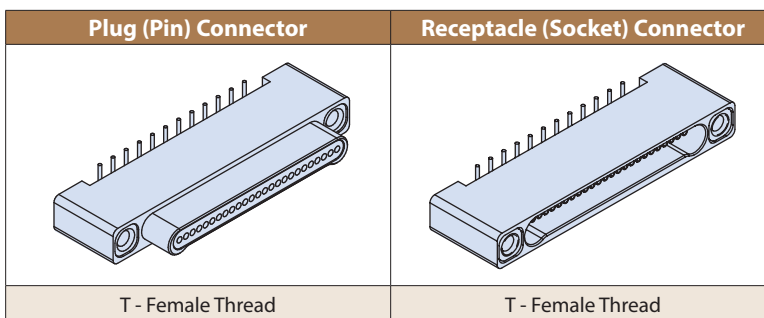
feature gold alloy TwistPin contacts. These nanomimature connectors offer premium performance and reliability for demanding applications. Available with #0-80 female threads.

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

**Choose Aluminum, Titanium or Stainless Steel Shells** in eight layouts from 5 to 51 contacts. Complies to the requirements of MIL-DTL-32139. These connectors are intermateable with any corresponding Glenair Series 890 single row metal shell nanomimature connector.

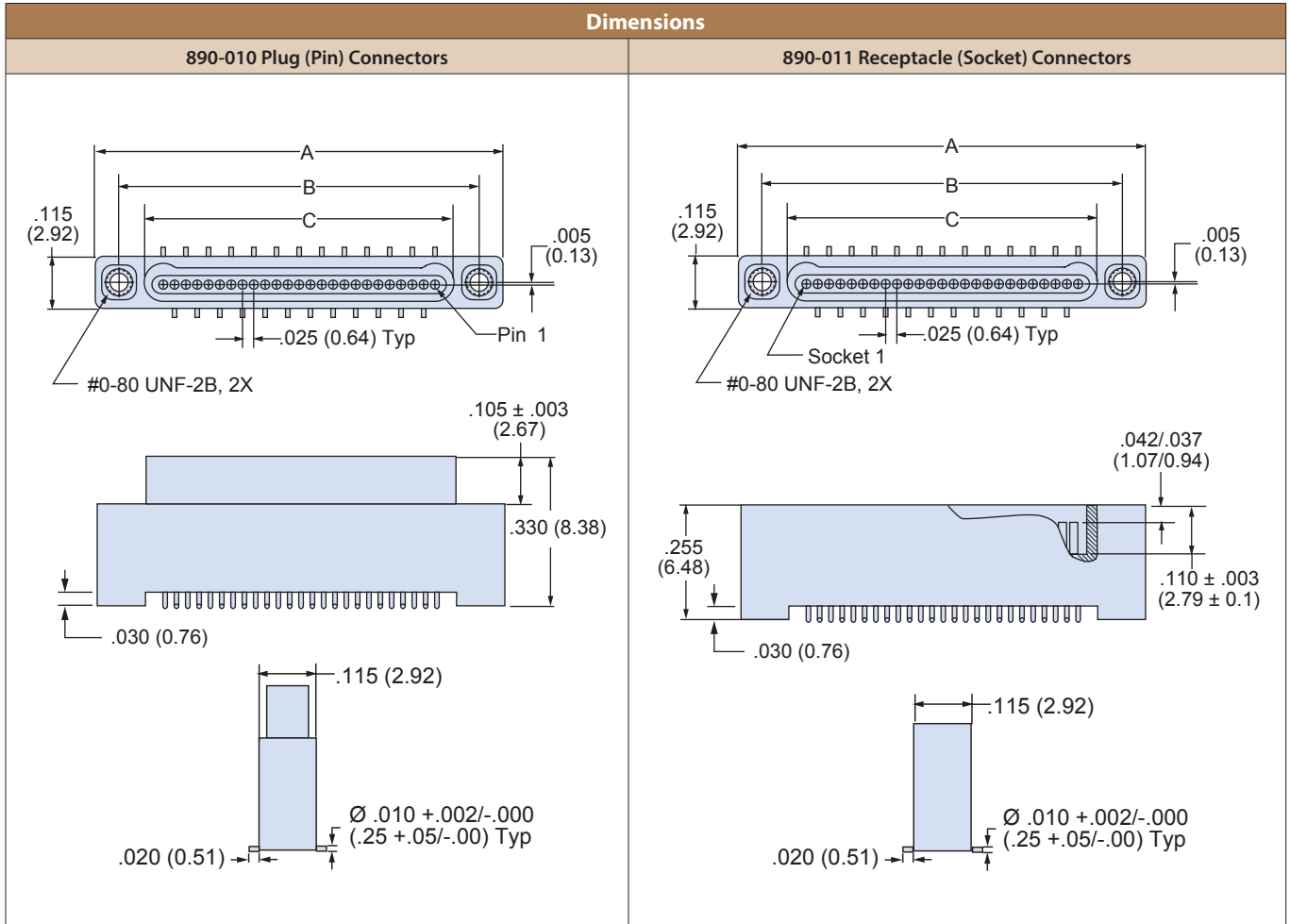
How To Order

Sample Part Number	890-010	-37P	A1	-BSS	T
Series	890-010 = Plug, Pin Contacts, Single Row, Vertical SMT Nanomimature 890-011 = Receptacle, Socket Contacts, Single Row, Vertical SMT Nanomimature				
Insert Arrangement/ Contact Type	Plugs (890-010): <b>5P, 9P, 15P, 21P, 25P, 31P, 37P, 51P</b> Receptacles (890-011): <b>5S, 9S, 15S, 21S, 25S, 31S, 37S, 51S</b>				
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	BSS = Board Straight Surface Mount				
Hardware	T = Female Thread, #0-80				



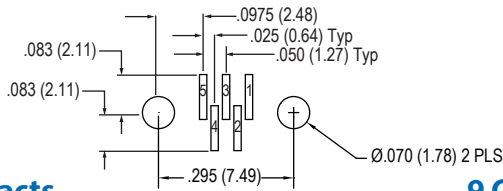
**NOTES**

- 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-32139/1 and MIL-DTL-32139/2

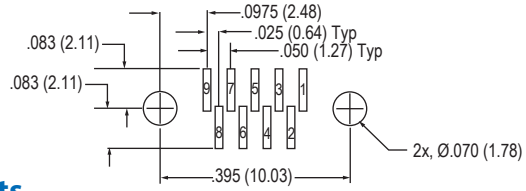


Layout	A		B BSC.		C BSC.	
	In. ± .005	mm. ± 0.13	In.	mm.	In.	mm.
5P	.400	10.16	.295	7.49	.184	4.67
5S	.400	10.16	.295	7.49	.185	4.70
9P	.500	12.70	.395	10.03	.284	7.21
9S	.500	12.70	.395	10.03	.285	7.24
15P	.650	16.51	.545	13.84	.434	11.02
15S	.650	16.51	.545	13.84	.435	11.05
21P	.800	20.32	.695	17.65	.584	14.83
21S	.800	20.32	.695	17.65	.585	14.86
25P	.900	22.86	.795	20.19	.684	17.37
25S	.900	22.86	.795	20.19	.685	17.40
31P	1.050	26.67	.945	24.00	.834	21.18
31S	1.050	26.67	.945	24.00	.835	21.21
37P	1.200	30.48	1.095	27.81	.984	24.99
37S	1.200	30.48	1.095	27.81	.985	25.02
51P	1.550	39.37	1.445	36.70	1.334	33.88
51S	1.550	39.37	1.445	36.70	1.335	33.91

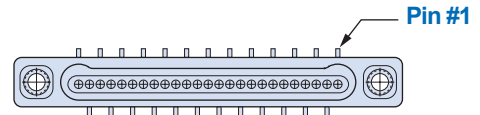
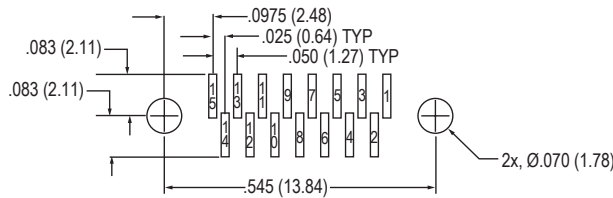
**5 Contacts**



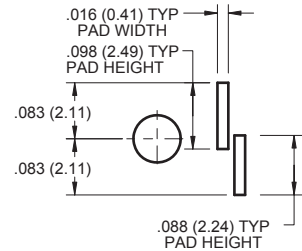
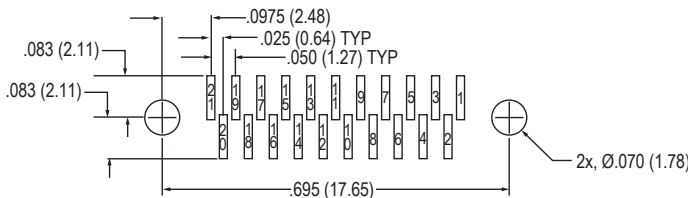
**9 Contacts**



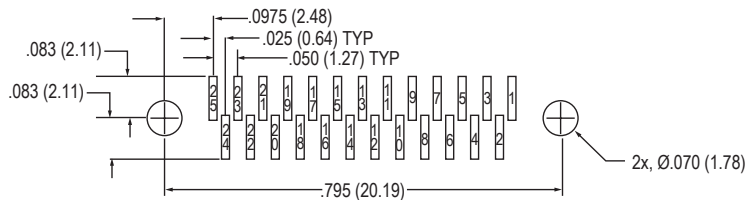
**15 Contacts**



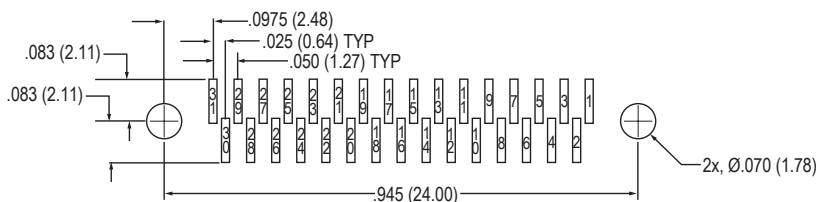
**21 Contacts**



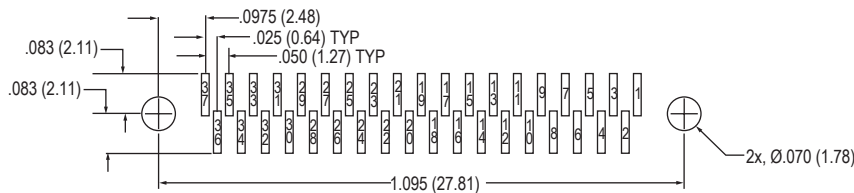
**25 Contacts**



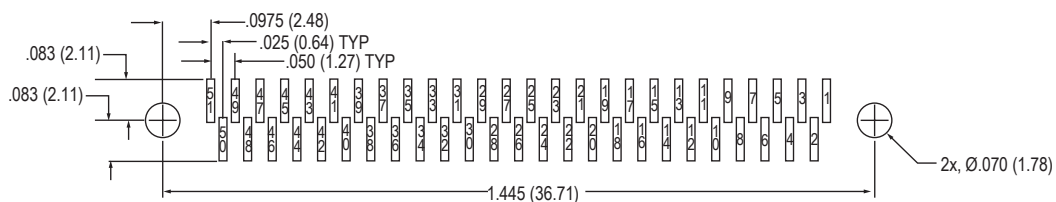
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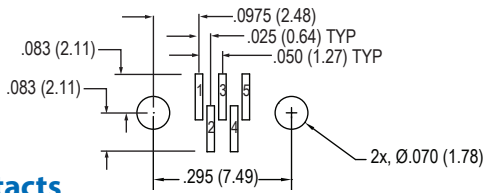
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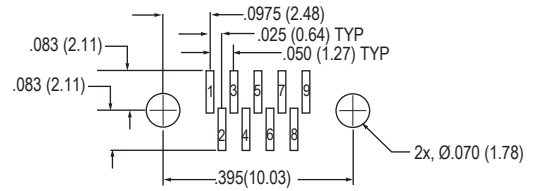
**51 Contacts**



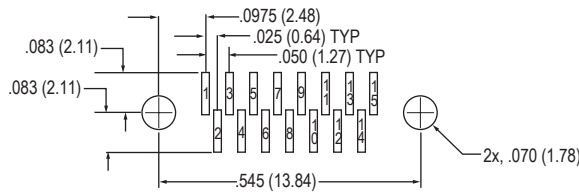
Layouts shown are for connector mounting side of PC Board.



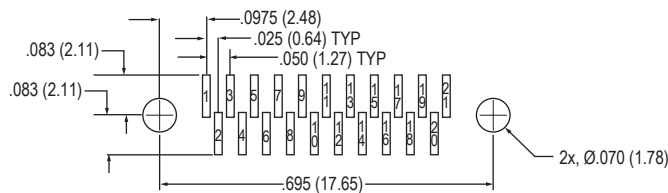
**5 Contacts**



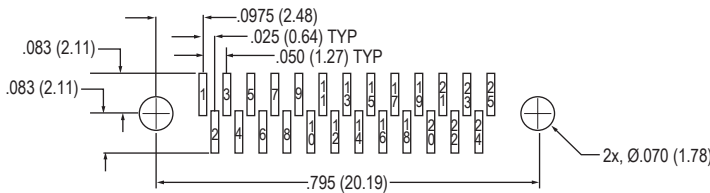
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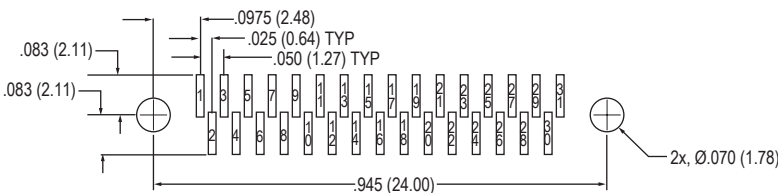
**15 Contacts**



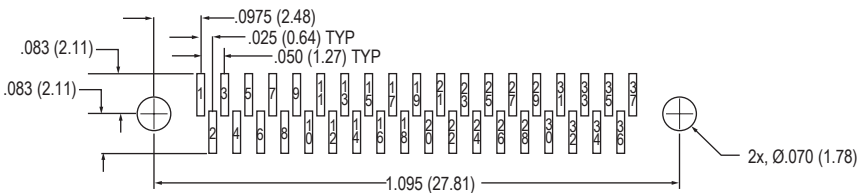
**21 Contacts**



**25 Contacts**



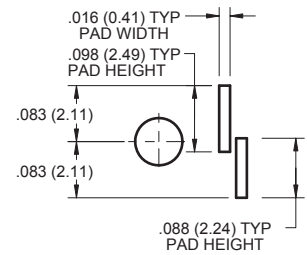
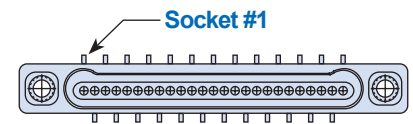
**31 Contacts**



**37 Contacts**



**51 Contacts**



**Pad Footprint Detail**

Layouts shown are for connector mounting side of PC Board.