

**Rear Panel Mount PCB Connectors** feature gold alloy TwistPin contacts, titanium or stainless steel shells offering premium performance and reliability for demanding applications.

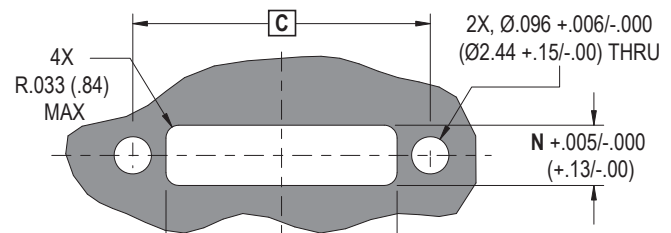
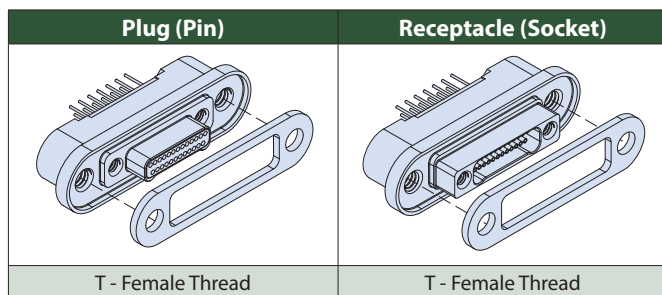
**Gasket Seals** fuorosilicone, Cho-Seal 1298 and Cho-Seal 6503 available. For replacement gaskets see 899-015.

**Eleven Layouts From 9 To 85 Contacts.** MIL-DTL-32139 type connectors are intermateable with any M32139 compliant connector or Glenair Series 891 dual row metal shell nanominiature connector.

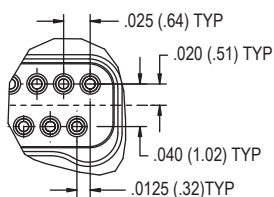
**Pre-Tinned PC Tails** are coated with Sn63Pb37 or Sn60Pb40 tin-lead for excellent solderability.

How to Order	
<b>Sample Part Number</b>	891-030 -25S S -BST 1 T -01 M
<b>Series</b>	891-029 = Rear Panel Mount Plug, Vertical Thru Hole 891-030 = Rear Panel Mount Receptacle, Vertical Thru Hole
<b>Insert Arrangement/ Contact Type</b>	Pins (891-029 Plugs): <b>9P, 15P, 21P, 25P, 31P, 37P, 41P, 51P, 65P, 69P, 85P</b> Sockets (891-030 Receptacles): <b>9S, 15S, 21S, 25S, 31S, 37S, 41S, 51S, 65S, 69S, 85P</b>
<b>Shell Material and Finish</b>	T = Titanium Shell, Unplated S = Stainless Steel Shell, Passivated
<b>Termination Type</b>	BST = Board Straight Thru Hole
<b>PC Tail Length</b>	1 = .110 (2.79) 2 = .172 (4.37) 3 = .140 (3.56)
<b>Hardware Option</b>	T = Female Threads (#0-80 for size 9-69, #2-56 for size 85)
<b>Gasket Material</b>	Omit for No Gasket 01 = Fluorosilicone IAW MIL-DTL25988 Type II, Class I, Grade 70 02 = Passivated Silver Plated Aluminum Filled Fluorosilicone IAW MIL-DTL-83528, Type D (Cho-Seal 1298 or Equivalent) 03 = Nickel Plated Aluminum Filled Fluorosilicone, (Cho-Seal 6503 or Equivalent)
<b>Mounting Thread Option</b>	Omit for #2-56 UNC-2B M = M2X0.4 6H

D



### DETAIL A

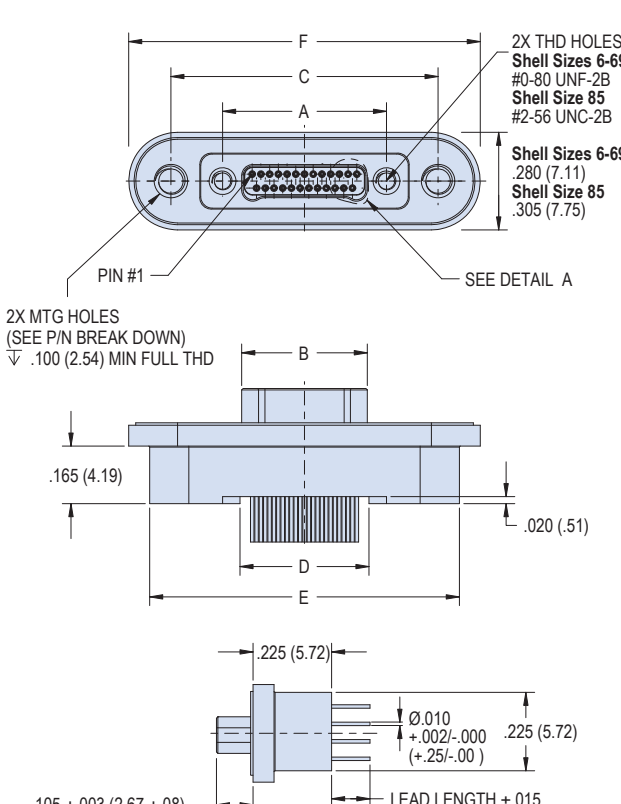
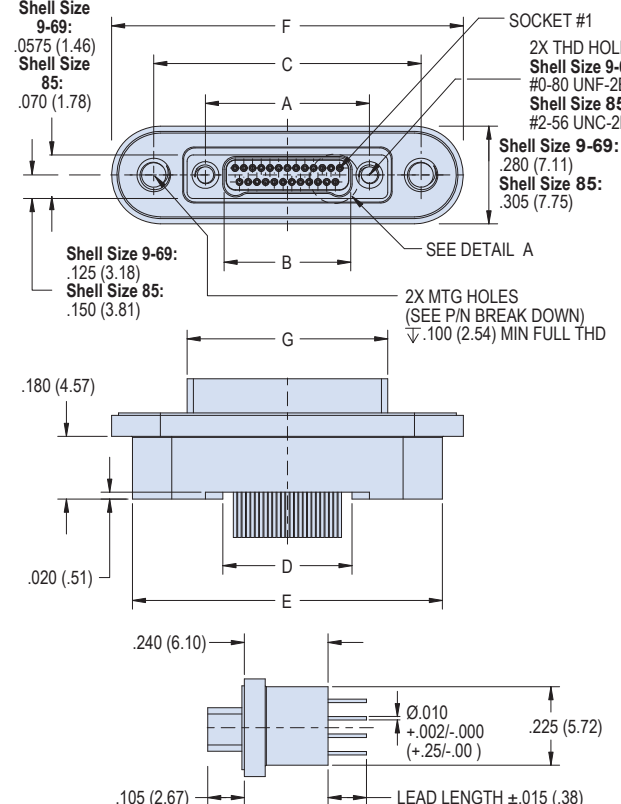


### NOTES

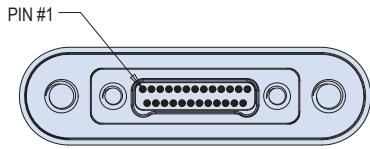
1. Inspect and test IAW MIL-DTL-32139
2. Interface dimensions per MIL-DTL-32139, plug (/3) Receptacle (/4)
3. Panel cutout sized to allow lobe up or lobe down mounting orientation
4. Recommended Panel thickness .100 (2.54) max

### Panel Cut-out Dimensions

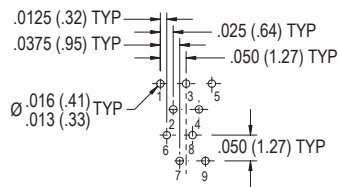
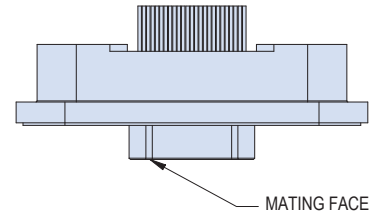
Shell Size	C	M	N
9	.566 (14.38)	.395 (10.03)	.155 (3.93)
15	.641 (16.28)	.470 (11.94)	.155 (3.93)
21	.716 (18.19)	.545 (13.84)	.155 (3.93)
25	.766 (19.46)	.595 (15.11)	.155 (3.93)
31	.841 (21.36)	.670 (17.02)	.155 (3.93)
37	.916 (23.27)	.745 (18.92)	.155 (3.93)
41	.966 (24.54)	.795 (20.19)	.155 (3.93)
51	1.091 (27.71)	.920 (23.37)	.155 (3.93)
65	1.266 (32.16)	1.095 (27.81)	.155 (3.93)
69	1.316 (33.43)	1.145 (29.08)	.155 (3.93)
85	1.568 (39.83)	1.397 (34.48)	.180 (4.57)

Dimensions														
891-029 Plug (Pin) Connectors							891-030 Receptacle (Socket) Connectors							
 <p>2X THD HOLES Shell Sizes 6-69 #0-80 UNF-2B Shell Size 85 #2-56 UNC-2B</p> <p>Shell Sizes 6-69 .280 (7.11) Shell Size 85 .305 (7.75)</p> <p>PIN #1</p> <p>SEE DETAIL A</p> <p>2X MTG HOLES (SEE P/N BREAK DOWN) ∇ .100 (2.54) MIN FULL THD</p> <p>.165 (4.19)</p> <p>.020 (.51)</p> <p>.225 (5.72)</p> <p>∅.010 +.002/-0.000 (+.25/-0.00)</p> <p>.225 (5.72)</p> <p>.105 ±.003 (2.67 ±.08)</p> <p>LEAD LENGTH ±.015</p>							 <p>SOCKET #1</p> <p>2X THD HOLES Shell Size 9-69: #0-80 UNF-2B Shell Size 85: #2-56 UNC-2B</p> <p>Shell Size 9-69: .280 (7.11) Shell Size 85: .305 (7.75)</p> <p>SEE DETAIL A</p> <p>2X MTG HOLES (SEE P/N BREAK DOWN) ∇ .100 (2.54) MIN FULL THD</p> <p>.180 (4.57)</p> <p>.020 (.51)</p> <p>.240 (6.10)</p> <p>∅.010 +.002/-0.000 (+.25/-0.00)</p> <p>.225 (5.72)</p> <p>.105 (2.67)</p> <p>LEAD LENGTH ±.015 (.38)</p>							
Layout	A BSC.		B BSC.		C BSC.		D		E		F		G	
	In	mm	In	mm	In	mm	In	mm	In	mm	In	mm	In	mm
9P	.270	6.86	.160	4.06	.566	14.38	.170	4.32	.688	17.48	.808	20.52	--	--
9S	.270	6.86	.163	4.14	.566	14.38	.170	4.32	.688	17.48	.808	20.52	.375	9.53
15P	.345	8.76	.235	5.97	.641	16.28	.245	6.22	.763	19.38	.883	22.43	--	--
15S	.345	8.76	.238	6.05	.641	16.28	.245	6.22	.763	19.38	.883	22.43	.450	11.43
21P	.420	10.67	.310	7.87	.716	18.19	.320	8.13	.838	21.29	.958	24.33	--	--
21S	.420	10.67	.313	7.95	.716	18.19	.320	8.13	.838	21.29	.958	24.33	.525	13.34
25P	.470	11.94	.360	9.14	.766	19.46	.370	9.40	.888	22.56	1.008	25.60	--	--
25S	.470	11.94	.363	9.22	.766	19.46	.370	9.40	.888	22.56	1.008	25.60	.575	14.61
31P	.545	13.84	.435	11.05	.841	21.36	.445	11.30	.963	24.46	1.083	27.51	--	--
31S	.545	13.84	.438	11.13	.841	21.36	.445	11.30	.963	24.46	1.083	27.51	.650	16.51
37P	.620	15.75	.510	12.95	.916	23.27	.520	13.21	1.038	26.37	1.158	29.41	--	--
37S	.620	15.75	.513	13.03	.916	23.27	.520	13.21	1.038	26.37	1.158	29.41	.725	18.42
41P	.670	17.02	.560	14.22	.966	24.54	.570	14.48	1.088	27.64	1.208	30.68	--	--
41S	.670	17.02	.563	14.30	.966	24.54	.570	14.48	1.088	27.64	1.208	30.68	.775	19.69
51P	.795	20.19	.685	17.40	1.091	27.71	.695	17.65	1.213	30.81	1.333	33.86	--	--
51S	.795	20.19	.688	17.48	1.091	27.71	.695	17.65	1.213	30.81	1.333	33.86	.900	22.86
65P	.970	24.64	.860	21.84	1.266	32.16	.870	22.10	1.388	35.26	1.508	38.30	--	--
65S	.970	24.64	.863	21.92	1.266	32.16	.870	22.10	1.388	35.26	1.508	38.30	1.075	27.31
69P	1.020	25.91	.910	23.11	1.316	33.43	.920	23.37	1.438	36.53	1.558	39.57	--	--
69S	1.020	25.91	.913	23.19	1.316	33.43	.920	23.37	1.438	36.53	1.558	39.57	1.125	28.58
85P	1.246	31.65	1.110	28.19	1.568	39.83	1.120	28.45	1.690	42.93	1.810	45.97	--	--
85S	1.246	31.65	1.113	28.27	1.568	39.83	1.120	28.45	1.690	42.93	1.810	45.97	1.377	34.98

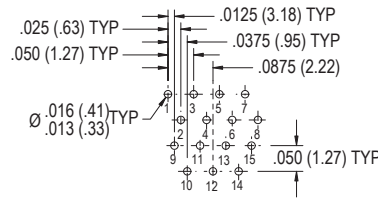
D



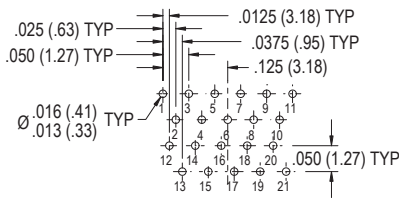
Patterns shown are for the connector mounting side of PC board



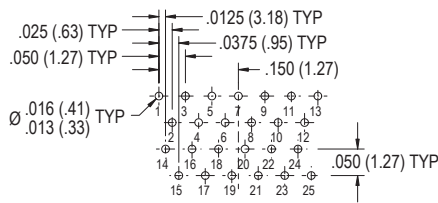
**9 Contacts**



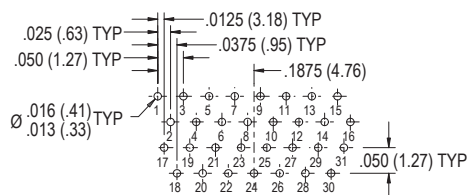
**15 Contacts**



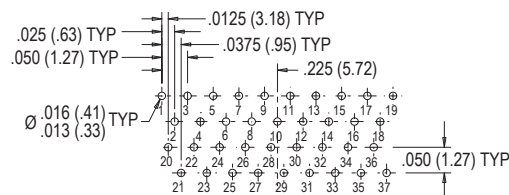
**21 Contacts**



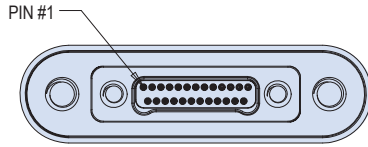
**25 Contacts**



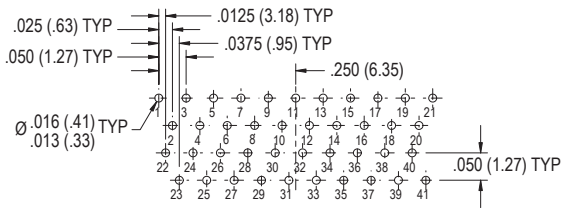
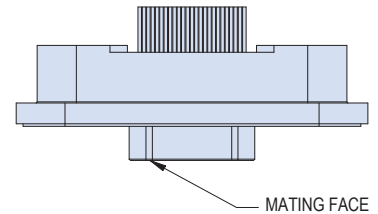
**31 Contacts**



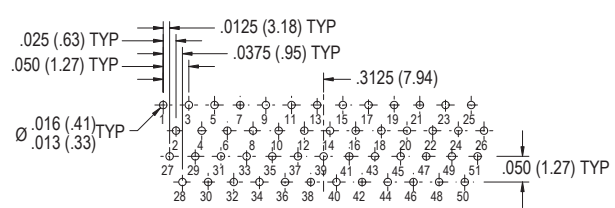
**37 Contacts**



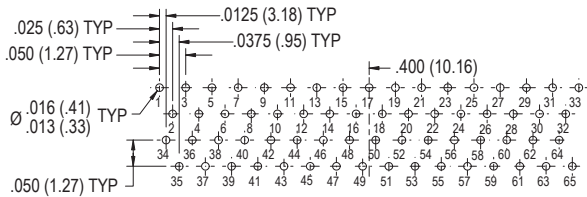
Patterns shown are for the connector mounting side of PC board



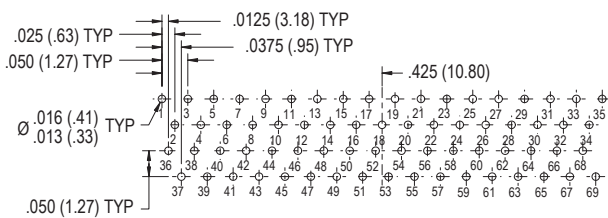
**41 Contacts**



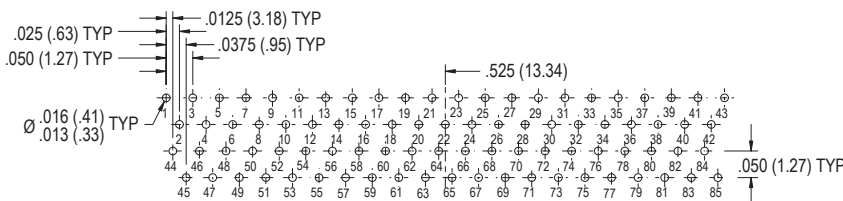
**51 Contacts**



**65 Contacts**

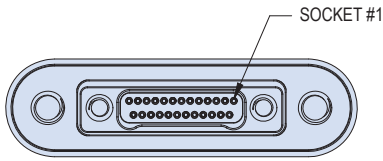


**69 Contacts**

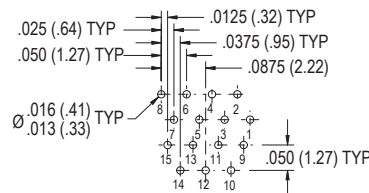
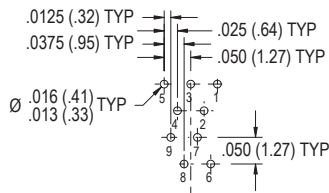
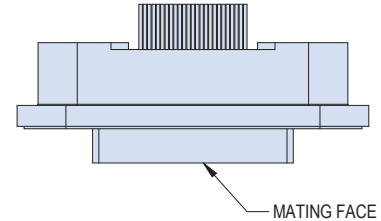


**85 Contacts**



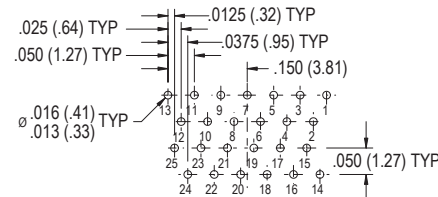
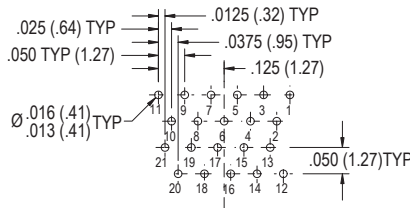


Patterns shown are for the connector mounting side of PC board



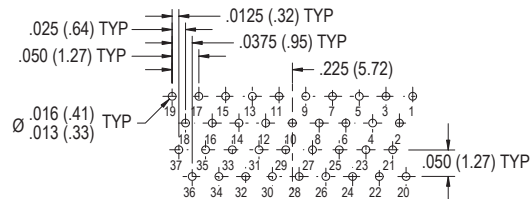
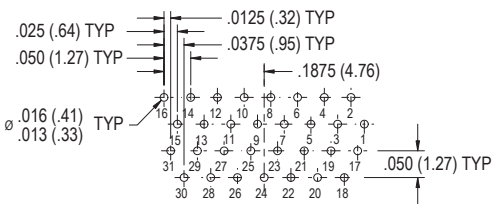
**9 Contacts**

**15 Contacts**



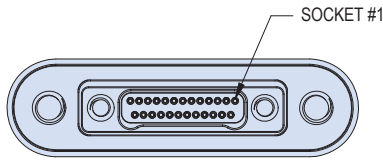
**21 Contacts**

**25 Contacts**

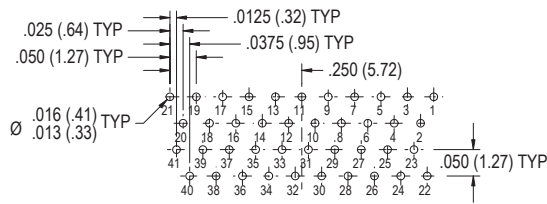
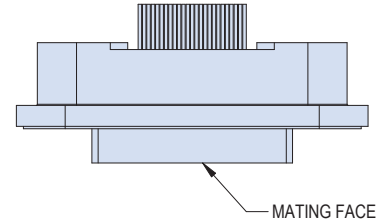


**31 Contacts**

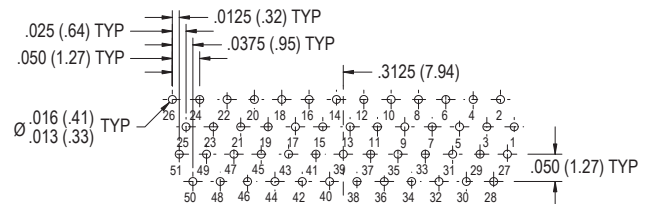
**37 Contacts**



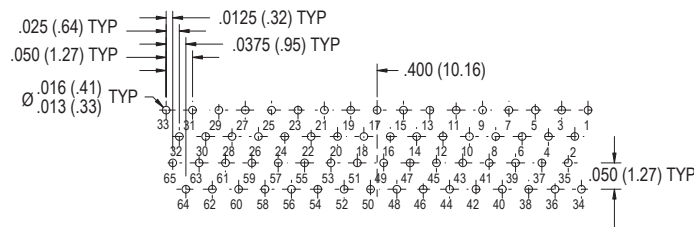
Patterns shown are for the connector mounting side of PC board



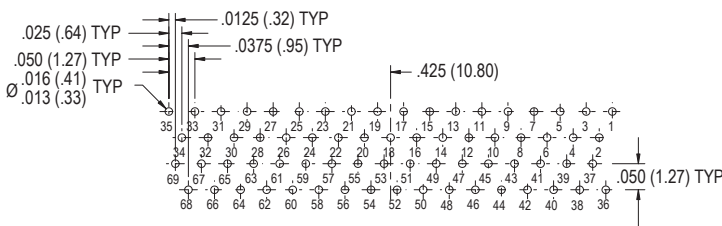
**41 Contacts**



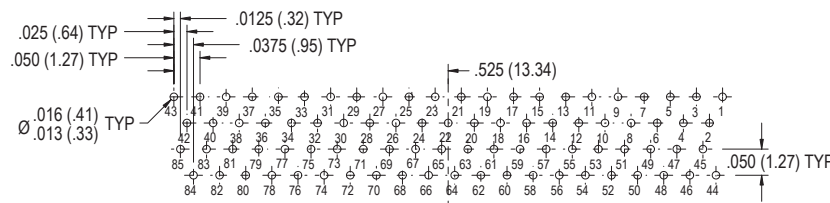
**51 Contacts**



**65 Contacts**



**69 Contacts**



**85 Contacts**

