

CHAMP .050 Series I Connectors, Printed Circuit Board Connectors (Continued)

Right Angle Plugs

Materials and Finish

Housing and Tine Plate—Glass filled nylon, rated 94V-0, black for standard. LCP, rated 94V-0, black for High Temp.

Contacts—Phosphor bronze selectively plated with minimum of .000030 [0.00076] gold in mating area and tin-lead in solder tail area.

Retention Leg (Board Lock)—Brass, tin-lead plated.

Performance Specifications—Page 19

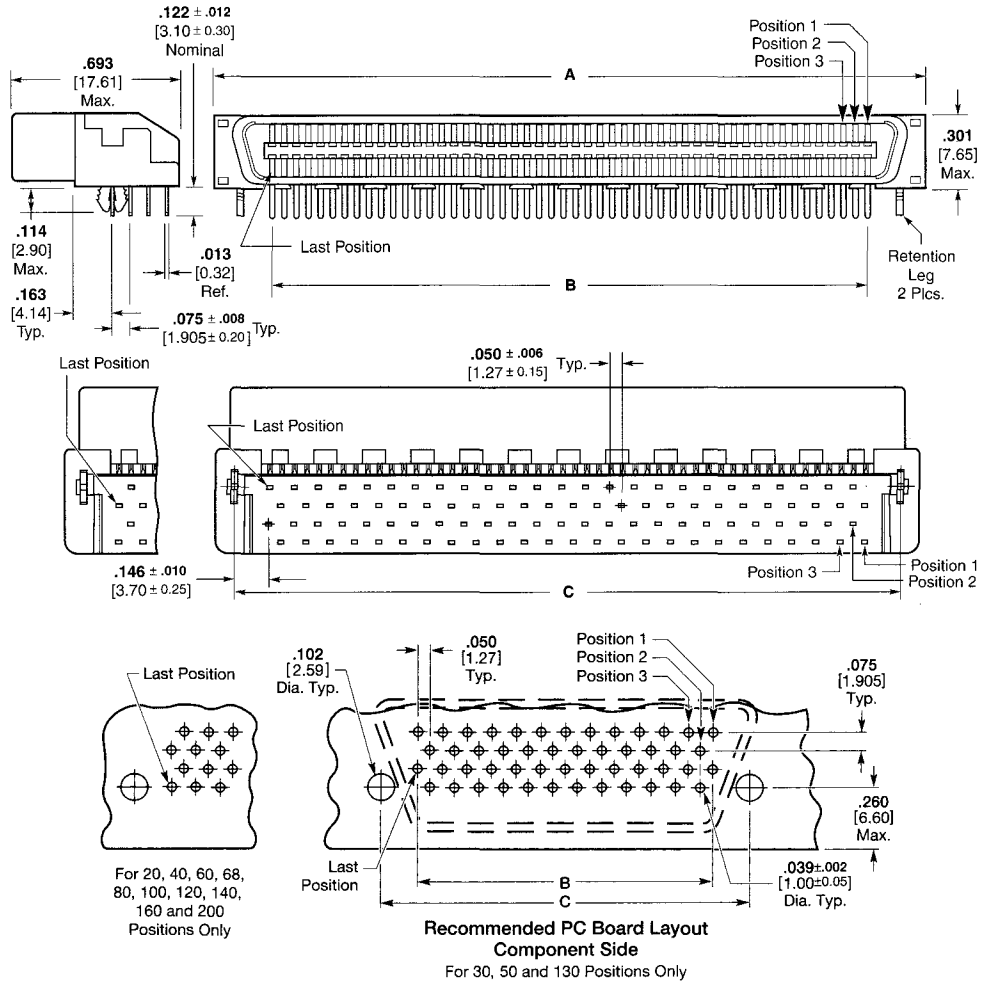
PC Board Accommodation—.031 [0.79] to .063 [1.60] nominal thickness

Mating Receptacle Connectors—Right Angle—Page 21

Vertical—Page 24

Ribbon Cable—Page 26

Mating Configurations—Page 28



For 20, 40, 60, 68, 80, 100, 120, 140, 160 and 200 Positions Only

Recommended PC Board Layout
Component Side
For 30, 50 and 130 Positions Only

Pos.	Dimensions			Part Number High Temp.	Part Number Standard Temp.
	A	B	C		
20	.891 22.63	.450 11.43	.741 18.82	N/A	5-175472-1
30	1.141 28.98	.700 17.78	.991 25.17	N/A	5-175472-3
40	1.391 35.33	.950 24.13	1.241 31.52	557100-5	5-175472-5
50	1.641 41.68	1.200 30.48	1.491 37.87	557100-9	5-175472-6
60	1.891 48.03	1.450 36.83	1.741 44.22	1-557100-3	*3-175472-7
68	2.091 53.11	1.650 41.91	1.941 49.30	1-557100-7	5-175472-8
80	2.391 60.73	1.950 49.53	2.241 56.92	2-557100-1	5-175472-9
100	2.891 73.43	2.450 62.23	2.741 69.62	2-557100-5	6-175472-0
120	3.391 86.13	2.950 74.93	3.241 82.32	2-557100-9	6-175472-1
130	3.641 92.48	3.200 81.28	3.491 88.67	N/A	6-175472-2
140	3.891 98.83	3.450 87.63	3.741 95.02	4-557100-9	N/A
160	4.391 111.53	3.950 100.33	4.241 107.72	3-557100-7 ¹	N/A
200	5.391 136.93	4.950 125.73	5.241 133.12	4-557100-1 ¹	N/A

*Plating—.000020 [0.00050] Minimum Gold.
¹ Contact Tyco Electronics for RoHS Part Number information.