

Board to Board Connectors

CHAMP 050 Series Connectors—Series I

For Board to Board Connection

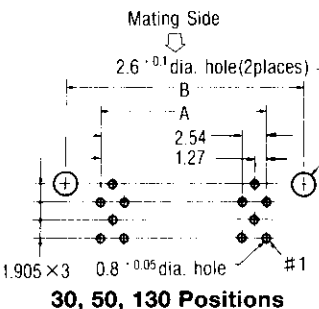
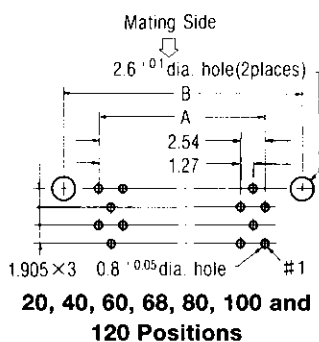
Receptacle Header for Horizontal Mount Type With Mount-Screw Hole

Material and Finish:

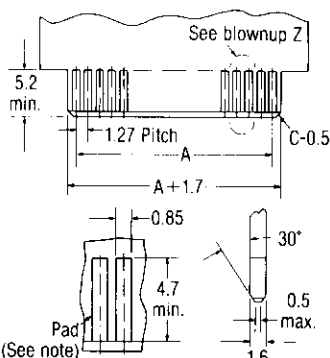
Contacts—Phosphor bronze, duplex plated gold (see table) on contact area, $1\mu\text{m}$ min. tin-lead or tin on post area, with entire contact underplated $1\mu\text{m}$ min. nickel
Housing—UL94V-0 rated, glass-filled 6/6 nylon, black

PC Board Layout

(Required for solder resist on surface of PC board)
(Connector mount side)

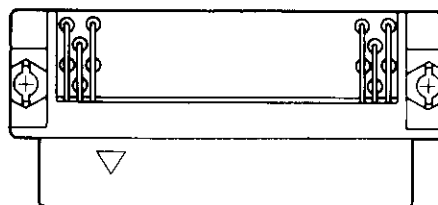


PC Board Edge Mounting Dimension

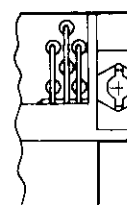


Blowup Z Side View

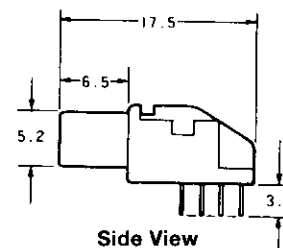
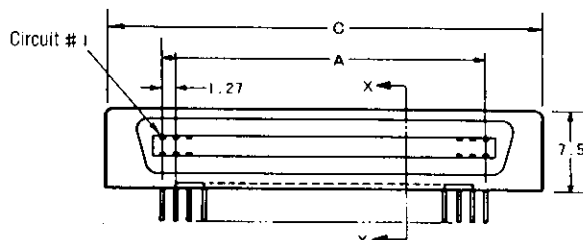
Note: Gold Pated $1.5\mu\text{m}$ min. with underplated nickel.



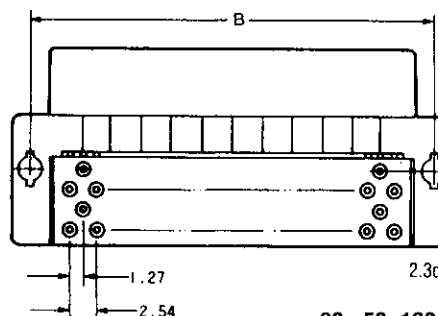
30, 50, 130 Pos.



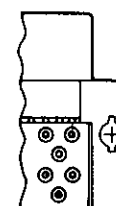
20, 40, 60, 68, 80
100, 120 Pos.



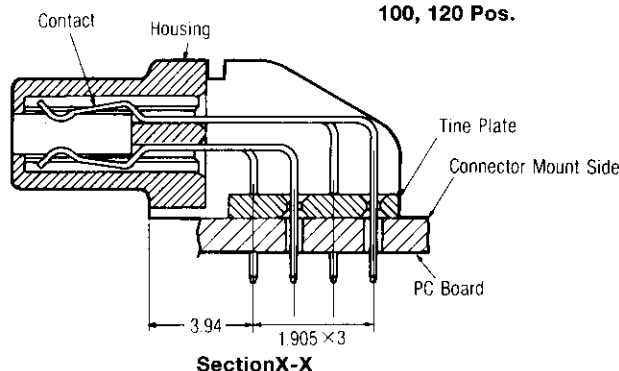
Side View



30, 50, 130 Pos.



20, 40, 60, 68, 80
100, 120 Pos.



Section X-X

No. of Pos.	Dimensions			Part Number		
	A	B	C	0.2 μm thk. gold plated	0.5 μm thk. gold plated	0.76 μm thk. gold plated
20	11.43	18.83	22.6	175612-1	3-175612-1	5-175612-1
30	17.78	25.18	29.0	175612-3	3-175612-3	5-175612-3
40	24.13	31.53	35.3	175612-5	3-175612-5	5-175612-5
50	30.48	37.88	41.7	175612-6	3-175612-6	5-175612-6
60	36.83	44.23	48.0	175612-7	3-175612-7	5-175612-7
68	41.91	49.31	53.1	175612-8	3-175612-8	5-175612-8
80	49.53	56.93	60.7	175612-9	3-175612-9	5-175612-9
100	62.23	69.63	73.4	1-175612-0	4-175612-0	6-175612-0
120	74.93	82.33	86.1	1-175612-1	4-175612-1	6-175612-1
130	81.28	88.68	92.5	1-175612-2	4-175612-2	6-175612-2