

**CHAMP .050 Series I Free Height (FH) Connectors,  
Board-to-Board Applications (Continued)**

**Vertical Receptacles,  
11mm to 18mm Stack**

**Materials and Finish**

**Housing, Standard Temperature** — Glass-filled nylon 6/6, rated UL 94V-0, black

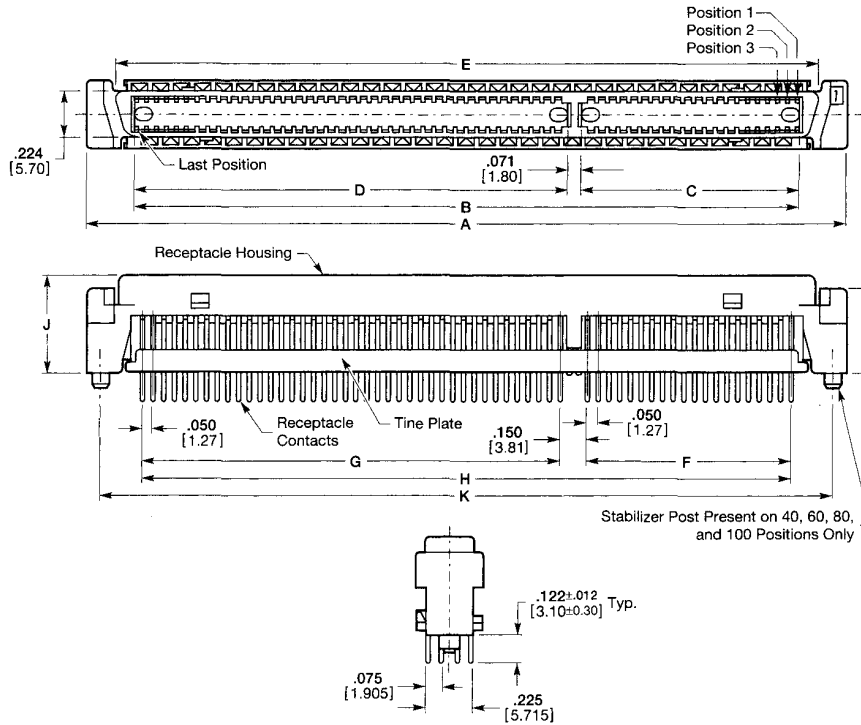
**Contacts** — Phosphor bronze, selectively plated with minimum of .000012 [0.00030] gold in mating area and tin-lead in solder tail area

**Performance Specifications** — Page 49

**PC Board Accommodation** — .031 [0.79] to .093 [2.36] nominal thickness

**Mating Plug Connectors** — Right Angle — Page 57  
Vertical — Page 55

**Mating Configurations** — Page 58



Pos.	Part Numbers—Standard Temp.							
	Stack Height							
	11mm	12mm	13mm	14mm	15mm	16mm	17mm	18mm
40	176371-1	176372-1	176373-1	176374-1	N/A	176376-1	176377-1	176378-1
60	176371-2	176372-2	176373-2	176374-2	176375-2	176376-2	N/A	176378-2
80	176371-3	176372-3	176373-3	176374-3	176375-3	176376-3	176377-3	176378-3
100	176371-4	176372-4	176373-4	176374-4	N/A	176376-4	176377-4	176378-4
120	176371-5	176372-5	N/A	176374-5	N/A	176376-5	176377-5	176378-5
140	176371-6	176372-6	N/A	176374-6	N/A	176376-6	N/A	176378-6
160	N/A	N/A	N/A	176374-7	N/A	N/A	N/A	176378-7
180	N/A	N/A	N/A	N/A	N/A	N/A	176377-8	176378-8
I	.280 7.10	.319 8.10	.358 9.10	.398 10.10	.437 11.10	.476 12.10	.516 13.10	.555 14.10
J	.335 8.50	.374 9.50	.413 10.50	.453 11.50	.492 12.50	.531 13.50	.571 14.50	.610 15.50