

**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

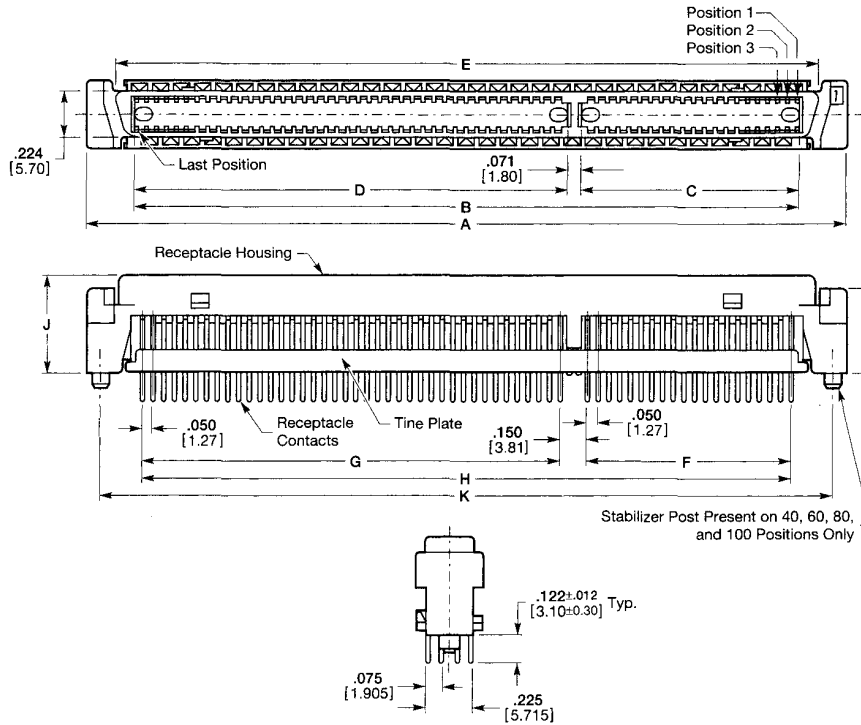
Contacts — Phosphor bronze, selectively plated with minimum of .000012 [0.00030] gold in mating area and tin-lead in solder tail area

Performance Specifications — Page 49

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

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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 |