

Micro-Strip Vertical Plugs (Board-to-Board)

**18.75 [.738]
Stacking Height**

Material and Finish

Housing — High-temperature thermo-plastic, flame retardant, natural color

Bus Bar — Phosphor bronze; duplex plated 0.00076 [.000030] gold in mating area, 0.00254 [.000100] tin-lead in terminating area, with entire bus underplated 0.00127 [.000050] nickel

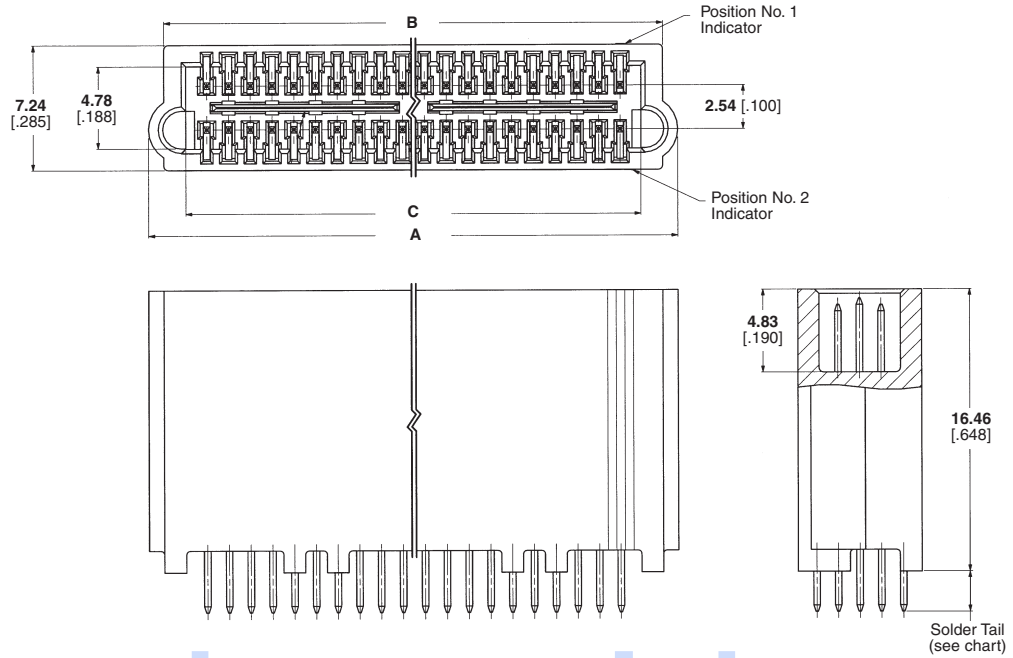
Signal Pin — Phosphor bronze; duplex plated 0.00076 [.000030] gold in mating area, 0.00254 [.000100] tin-lead in terminating area, with entire contact underplated 0.00127 [.000050] nickel

Related Product Data

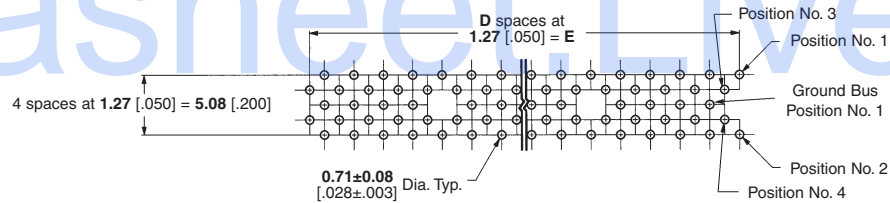
Performance Characteristics — page 67

Mating Receptacles — pages 73, 74 and 76

Technical Documents — page 81



Datasheet Live



**Recommended PC Board Layout
(Component Side of Board)**

| No. of Positions | Dimensions | | | | | Part Numbers | | |
|------------------|-----------------|-----------------|-----------------|----|-----------------|-------------------------|-------------------------|-------------------------|
| | A | B | C | D | E | 2.41 [.095] Solder Tail | 3.18 [.125] Solder Tail | 4.70 [.185] Solder Tail |
| 40 | 30.84 1.214 | 29.21 1.150 | 26.62 1.048 | 19 | 24.13 .950 | 149009-1◆ | 149011-1◆ | 149012-1◆ |
| 60 | 43.54 1.714 | 41.91 1.650 | 39.32 1.548 | 29 | 36.83 1.450 | 149009-2◆ | 149011-2◆ | 149012-2◆ |
| 80 | 56.24 2.214 | 54.61 2.150 | 52.02 2.048 | 39 | 49.53 1.950 | 149009-3◆ | 149011-3◆ | 149012-3◆ |
| 100 | 68.94 2.714 | 67.31 2.650 | 64.72 2.548 | 49 | 62.23 2.450 | 149009-4◆ | 149011-4◆ | — |
| 120 | 81.64 3.214 | 80.01 3.150 | 77.42 3.048 | 59 | 74.93 2.950 | 149009-5◆ | 149011-5◆ | — |
| 140 | 94.34 3.714 | 92.71 3.650 | 90.12 3.548 | 69 | 87.63 3.450 | 149009-6◆ | 149011-6◆ | — |
| 160 | 107.04 4.214 | 105.41 4.150 | 102.82 4.048 | 79 | 100.33 3.950 | 149009-7◆ | 149011-7◆ | — |
| 180 | 119.74 4.714 | 118.11 4.650 | 115.52 4.548 | 89 | 113.03 4.450 | 149009-8◆ | 149011-8◆ | — |
| 200 | 132.44 5.214 | 130.81 5.150 | 128.22 5.048 | 99 | 125.73 4.950 | 149009-9◆ | 149011-9◆ | — |

Note: Part Numbers are RoHS compliant except: ◆ Indicates non-RoHS compliant;
● Indicates "5 of 6 compliant" (lead in solderable interface only).