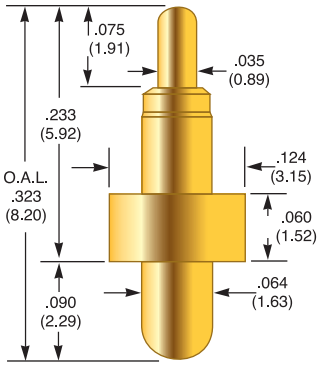
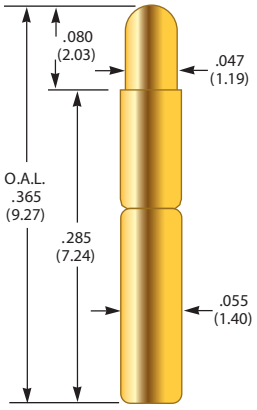
BIP-1/2/3

Test Center
.075 (1.91)
.125 (3.18)
.150 (3.81)

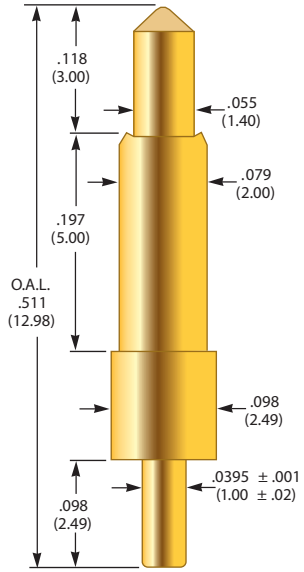
TO ORDER, CALL 909-625-9390



BIP-1



BIP-2



BIP-3

Applications for BIP Series

BIP Series probes are used in battery charger or electronic device applications such as:

1. Camcor ders
2. Circuit board to board docking stations
3. Cellular Phones
4. 2-way radios
5. Computer docking stations
6. Cordless phones
7. Chargers
8. InkJet Printers
9. Notebook and laptop computers
10. AC/DC power supplies

Benefits and Features:

1. Low r esistance (average 16 milliohms)
2. Better contact than nickel-plated strip contacts
3. Maintains high compliancy
4. Less susceptible to damage
5. Can accommodate up to .025" subsur face batter y mating contact
6. Longer life than conventional interconnects

Probe Specifications	BIP-1	BIP-2	BIP-3
Mechanical			
Full Travel:	.075 (1.91)	.050 (1.27)	.100 (2.54)
Recommended Travel:	.050 (1.27)	.050 (1.27)	.060 (1.52)
Mechanical Life Exceeds:	250 x10^3 cycles	1 x10^6 cycles	250 x10^3 cycles
Operating Temperature: Consult factory for other temperature requirements.	-55˚C to +150˚C	-55˚C to +150˚C	-55˚C to +105˚C
Electrical (Static Conditions) Maximum Current Rating (Non-inductive DC)	5 amps d.c. max	5 amps d.c. max	5 amps d.c. max
Average Probe Resistance	16 mΩ	30 mΩ	30 mΩ
Materials and Finishes			
Plunger:	Hard nickel over beryllium copper, gold plated	Hard nickel over beryllium copper, gold plated	Hard nickel over brass, gold plated
Barrel:	Hard nickel over brass, gold plated	Hard nickel over nickel silver, gold plated	Hard nickel over brass, gold plated
Spring:			
Standard:	Stainless steel, silver plated	Stainless steel, silver plated	Stainless Steel, silver plated
Alternate:	Consult factory	Consult factory	Music wire, silver plated
Mounting Hole Size:	.067 (1.70) min.	.053 (1.35)	.043 (1.09) min

Spring Force in oz. (grams) Spring Type	Preload	Recommended Travel
BIP-1 Standard	1.39 (39.44)	3.50 (99.31)
BIP-2 Standard	1.10 (31.2)	3.85 (109)
BIP-3 Standard	0.40 (11.35)	1.14 (32.35)
BIP-3 Alternate	1.0 (28.38)	3.0 (85.13)
Tip Styles	J	J	B

Termination

BIP-1: Soldered into PCB
BIP-2: Press Fit
BIP-3: Soldered into PCB

Note: Consult factor y for higher temperature applications.

Dimensions in inches (millimeters)