

# BIP

## Battery Interconnect Probes



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ECT has a full service battery probe product line with over 40 different standard designs in-stock to reduce lead times for our customers. All standard probes have proven reliability to meet our customers needs.

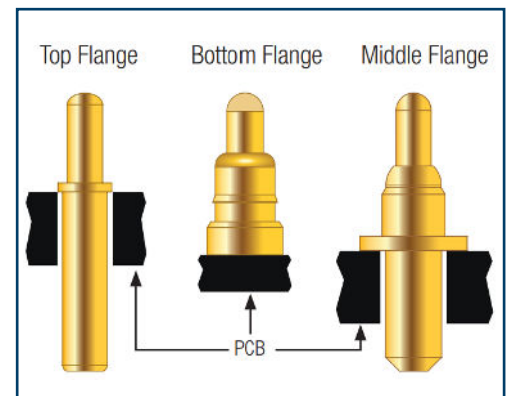
Mounted directly to a PCBA by means of surface mount or through hole, alone or in a non replaceable housing, battery probes must be consistent, endure long life, provide low resistance and offer electrical and mechanical compliance. ECT battery probes offer all of these advantages in both our catalog probes and our custom designed probes.

With thousands of design options, ECT battery probes offer the flexibility to match project costs, performance, and assembly requirements. Design options include: multiple end configuration, high to low spring force, durability for long cycle life, and bias design for reliable contact.

### Benefits

- 100,000 cycle life ratings
- Up to 10 Amp current ratings
- As low as 16mOhms resistance ratings
- Design flexibility to match your performance, cost and assembly requirements.
- Superior durability in harsh environment
- ECT battery probes can be molded into a housing and soldered either to mating PCB or terminal.
- Limitless customization

### Mounting Options



*ECT is the recognized global leader in Battery Interconnect Probing  
Technology for the functional test industry.*

## CP-2



CP-2SB-X



CP-2TB-X



CP-2LB-X



### Mechanical

Spring Force in oz. (grams):  
Recommended Travel:  
Operational Temperature:

0.66 (18.7) - 0.95 (26.9)  
0.030 (0.75) - 0.118 (3.00)  
-55°C to +150°C

### Electrical

Current Rating DC: 5 amps  
Average Probe Resistance: 50 mOhms  
Mechanical Life: >100K cycles

## CP-4



CP-4S



CP-4T



CP-4C



CP-4L



### Mechanical

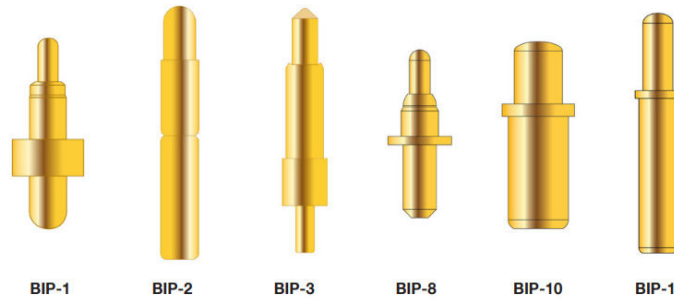
Spring Force in oz. (grams):  
Recommended Travel:  
Operational Temperature:

2.50 (70.87)  
0.60 (1.52)  
-55°C to +150°C

### Electrical

Current Rating DC: 10 amps  
Average Probe Resistance: < 25 mOhms  
Mechanical Life: > 100K cycles

## BIP



### Mechanical

Spring Force in oz. (grams): .30 (8.5) - 2.40 (68.0)  
 Recommended Travel: 0.50 (1.27) - .394 (10.00)  
 Operational Temperature: -55°C to + 150°C

### Electrical

Current Rating DC: 5 amps  
 Average Probe Resistance: < 16 mOhms - <30 mOhms  
 < 100 mOhms, Stainless Steel  
 Mechanical Life: > 100K cycles

## CCA



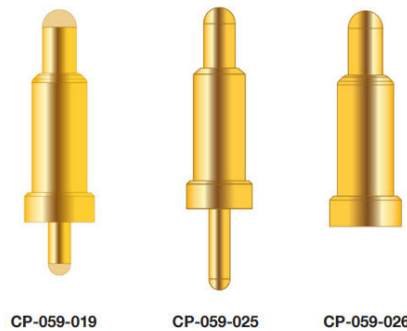
### Mechanical

Spring Force in oz. (grams): 0.83 (24.0) - 1.27 (36.0)  
 Recommended Travel: 0.040 (1.02)  
 Operational Temperature: -35°C to + 150°C

### Electrical

Current Rating DC: 10 amps  
 Average Probe Resistance: < 25 mOhms  
 Mechanical Life: > 100K cycles

## CP-059



### Mechanical

Spring Force in oz. (grams): 0.81 (23.0) - 1.63 (46.0)  
 Recommended Travel: 0.040 (1.02)  
 Operational Temperature: -55°C to + 150°C

### Electrical

Current Rating DC: 10 amps  
 Average Probe Resistance: < 25 mOhms  
 Mechanical Life: > 100K cycles