# 90206-AS

# **SOLDER CUP SPRING LOADED PIN**

# Visit us at <u>WWW.PRECI-DIP.COM</u> Temperature rise [°C]



-Temp. rise

WWW.DIGIKEY.COM

Engineered for Success

Assembly: Solder Cup Overall Length: 9mm (.354") Stroke: 1.4mm (.055")

ORDER AS:

90206-AS

# APPLICATION NOTES: PRODUCT DESCRIPTION:

Preci-Dip Spring Loaded contact with solder cup for wire attachment. Every Preci-Dip spring contact is Swiss precision machined and assembled for highest quality, performance and long product life.

### **PRODUCT PACKAGING:**

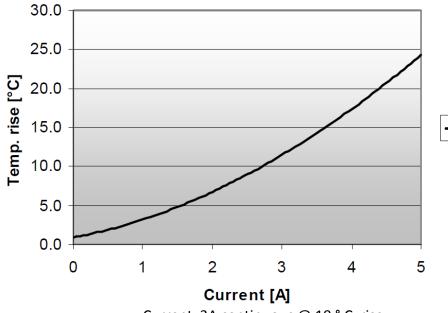
This product is sold in bulk. It can be provided assembled in an insulator. Let us help you with your custom packaging request.

## **HOW TO USE THIS PRODUCT:**

This product is ideal for attaching wire. With solid one-piece body construction, These spring loaded contact are typically used in docking stations, recharging stations, module stacking and pluggable SLC requirements.

### **CAN I CUSTOMIZE THIS PRODUCT?**

Preci-Dip welcomes custom design requests. Please provide us your spring force and packaging requirements. Call today to discuss your application.



Current: 3A continuous @ 10 ° C rise

Wire termination Piston
Spring

#### **HOW IT WORKS:**

Strong, secure and featuring one piece solid body construction, there are no capped components at the bottom of this spring contact. No seams for solder to wick inside the shell.



**SPECIFICATIONS:** 

# SOLDER CUP SPRING LOADED PIN

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### MATERIAL:

Piston: Brass Alloy, plated 0.5um (20µ") Gold Barrel: Brass Alloy, plated 0.25um (10μ") Gold

Spring: Music wire, Gold Flash

#### **ELECTRICAL:**

Current: 3A continuous @ @ 10 ° C rise. 5A Peak.

Rated Voltage: 100Vrms 150Vdc Contact Resistance:  $20m\Omega$  max..

### **ENVIRONMENTAL**

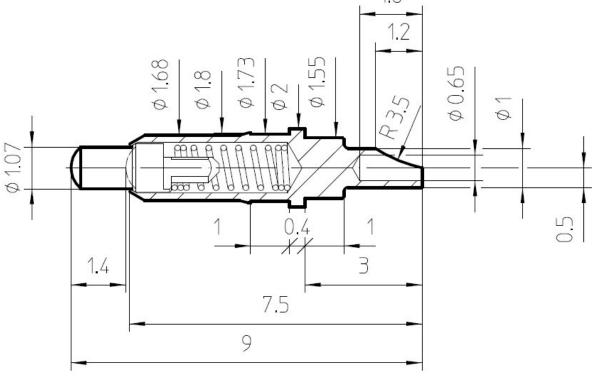
Operating Temperature: -55 to 125° C Passed Vibration Test Sinusoidal per

IEC 512.6d / IEC 68-2-6

Passed Shock Test per IEC 512.6d / IEC 68-2-27 No electrical discontinuity greater than 1µs.

# **SPRING CONTACT FEATURES:**

- \* Swiss Experience
- \* Swiss Quality
- \* Swiss precision machined components
- \* Seamless shell construction
- \* Press-fit barb on barrel for packaging
- resistance.
- \* Smooth piston travel
- \* High quality, smooth surface finish on tip of piston.
- construction
- \* RoHs



\* Gold plating for corrosion

\* Strong and durable

# Durability: Minimum 40,000 cycles.

Stroke: 1.4mm (.055")

Force: Initial .25N

**MECHANICAL** 

Half-Stroke .85N

# **HOW TO CUSTOMIZE A SPRING CONTACT:** Specify:

- 1. Stacking distance between boards
- 2. Desired piston stroke
- 3. Desired spring force
- 4. Desired current rating.
- 5. Termination style SMT, Solder tail, Wire
- 6. Desired Cycle life

This product can be assembled in a custom insulator. Please inquire if interested.





preci-dip