## 90224-AS

## SOLDERTAIL SPRING LOADED CONTACT

Visit us at <u>WWW.PRECI-DIP.COM</u>

## **Temperature rise** [°C]



-Temp. rise

WWW.DIGIKEY.COM



## **Engineered for Success**

Assembly: Soldertail Overall Length:

9.9mm (.390")

Above Board Height:

7.9mm (.311")

Stroke: 2mm (.079")

**ORDER AS:** 

90224-AS



#### PRODUCT DESCRIPTION:

Preci-Dip Spring Loaded contact soldertail termination for wave or hand soldering. Every Preci-Dip spring contact is Swiss precision machined and assembled for highest quality, performance and long product life.

#### **PRODUCT PACKAGING:**

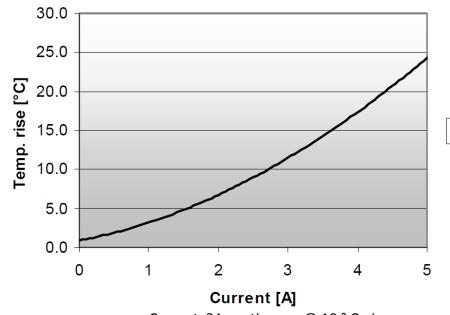
This product is sold in bulk but is also available but can be provided assembled in an insulator. Let us help you with your custom packaging request.

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

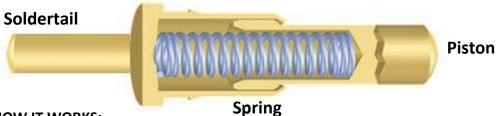
This product is ideal for PCB applications on 2.54mm (.100") grid. With solid one-piece body construction, These spring loaded contacts are typically used in docking stations, recharging stations, module stacking and pluggable SLC requirements.

### **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



**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.



## **SOLDERTAIL SPRING LOADED CONTACT**

Visit us at WWW.PRECI-DIP.COM

## Engineered for Success

# SPECIFICATIONS: MATERIAL:

Piston: Brass Alloy, plated 0.25um ( $10\mu$ ") Gold Barrel: Brass Alloy, plated 0.25um ( $10\mu$ ") Gold

Spring: Stainless Steel

#### **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  $1\mu s$ .

## **SPRING CONTACT FEATURES:**

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

# Ø 0.65 1.6 0.8 <u>~</u> 5.8 9.9

#### **MECHANICAL**

Durability: Minimum 40,000 cycles.

Stroke: 2mm (.079")

Working Travel: 7.9-5.95mm

(.311-.234")

Force: Initial .25N Half-Stroke .9N

# 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





preci-dip

This product can be assembled in SIP or STRIP, and provided on Tape and Reel. Please inquire if interested.