# 90146-AS



### **APPLICATION NOTES:**

#### **PRODUCT DESCRIPTION:**

Preci-Dip Spring Loaded contact with long tail termination for pass-through extension between circuit boards and pluggable tail applications..

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 also 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 extended PCB connection applications. 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.



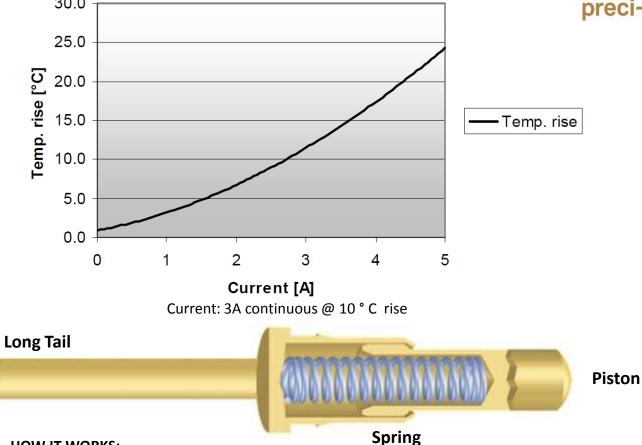
**Engineered** for Success

90146-AS

## LONG TAIL SPRING LOADED CONTACT Visit us at WWW.PRECI-DIP.COM

Temperature rise [°C]





#### 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.



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#### SPECIFICATIONS:

#### MATERIAL:

Piston: Brass Alloy, plated.4um (16μ") GoldBarrel: Brass Alloy, plated.25um (10μ") GoldSpring: Stainless Steel

# LONG TAIL SPRING LOADED CONTACT

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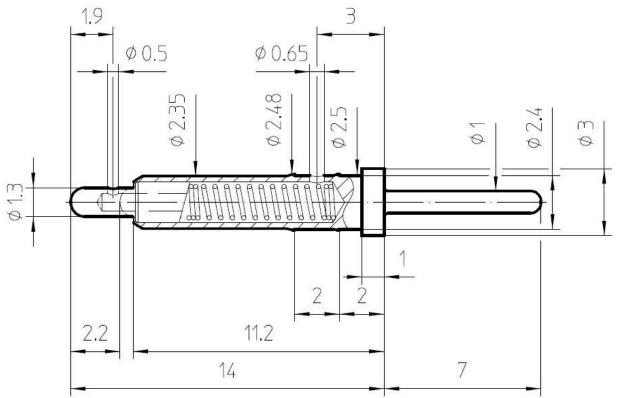
### ELECTRICAL:

Current: 3A continuous @ @ 10 ° C rise. 5A Peak. Rated Voltage: 100Vrms 150Vdc Contact Resistance:  $20m\Omega$  max..

### 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

This product can be assembled in SIP or STRIP, Please inquire if interested.



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



#### 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.

#### MECHANICAL

Durability: Minimum 40,000 cycles. Stroke: 2.2mm (.087") Working Travel: 14-11.85.05mm (.551-.467") Force: Initial .25N Half-Stroke 1.25N

# 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

