90168-AS

SOLDER CUP SPRING LOADED CONTACT

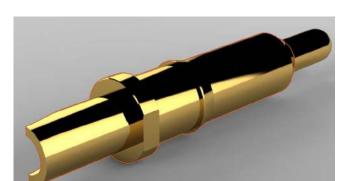
Visit us at <u>WWW.PRECI-DIP.COM</u>

Temperature rise [°C]



-Temp. rise

WWW.DIGIKEY.COM



Engineered for Success

Assembly: Solder Cup Overall Length: 10.5mm (.413")

Stroke: 1.6mm (.063")

ORDER AS:

90168-AS

PRODUCT DESCRIPTION:

APPLICATION NOTES:

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:

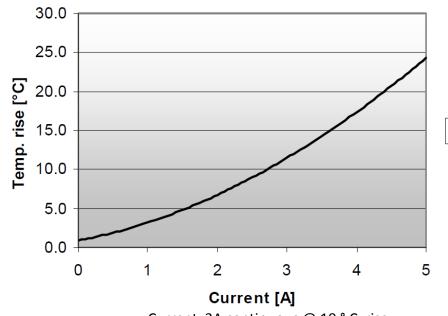
This product is sold in bulk. It can be provided assembled in an insulator. Let us help you with your custom packaging request.

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.



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SPECIFICATIONS: MATERIAL:

Piston: Brass Alloy, plated 0.38um (15 μ ") Gold Barrel: Brass Alloy, plated 0.38um (15 μ ") Gold

Spring: Stainless Steel

ELECTRICAL:

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

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

ENVIRONMENTAL

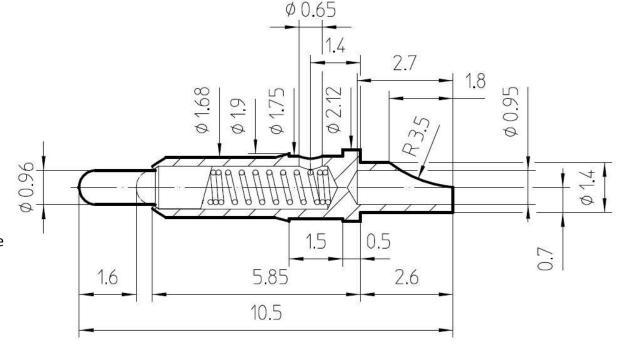
Operating Temperature: -55 to 125° C Passed Vibration Test Sinusoidal per

IEC 512.6d / IEC 68-2-6

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



MECHANICAL

Durability: Minimum 40,000 cycles.

Stroke: 1.6mm (.063")

Force: Initial .35N

Half-Stroke 1.1N

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