

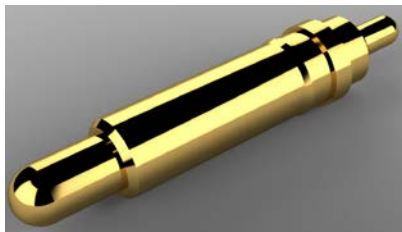
preci-dip

swiss world connects

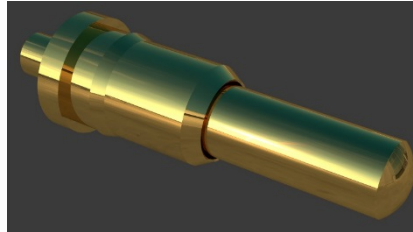


PRECI-DIP Understanding SLC Terminology

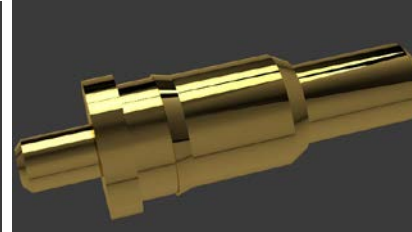
PIN-IN-PASTE (AKA INTRUSIVE REFLOW) SOLDERING IS **REFLOW SOLDERING** OF THROUGH-HOLE COMPONENTS ONTO A PRINTED CIRCUIT BOARD.



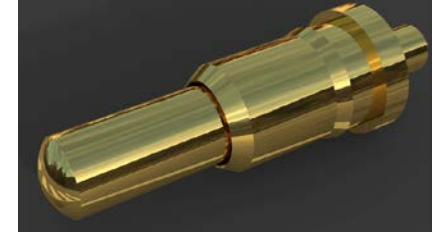
90055-AS



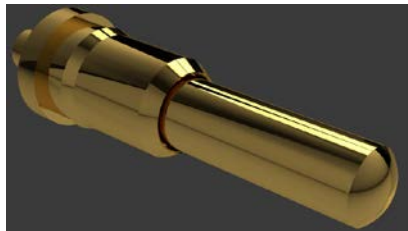
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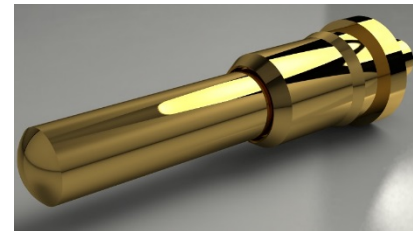
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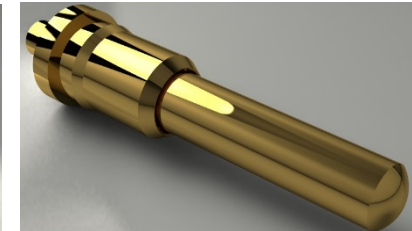
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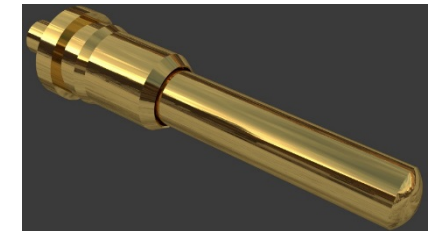
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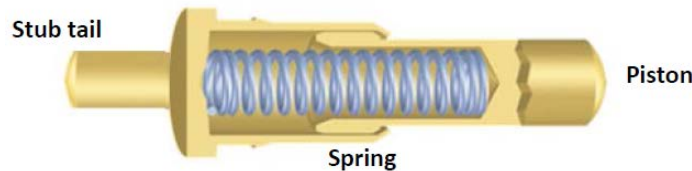
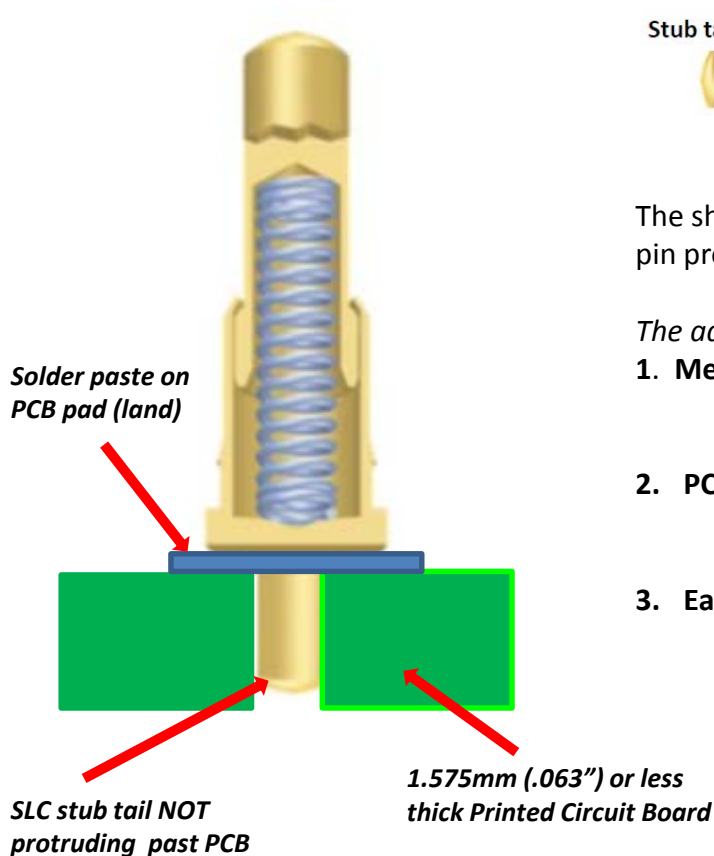
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“Long Live Through-Hole SLCs...”

A brief explanation of Pin-in-Paste / Intrusive Reflow SLCs



PRECI-DIP Understanding SLC Terminology



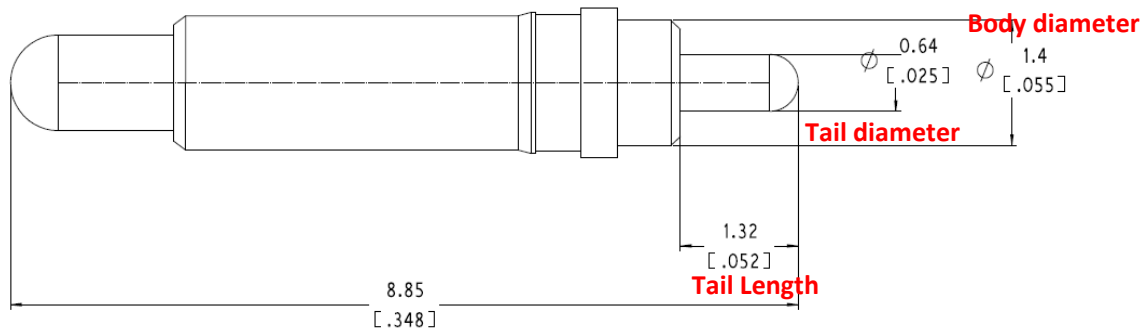
The short (<1.5mm (<.060"), stub tail is ideal for customer applications requiring no pin protrusion beneath a standard 1.575mm (.063") thick PCB.

The advantages for customer's using Preci-Dip Pin-in-Paste SLCs:

- 1. Mechanical Strength:** A solder joint made inside a PCB PTH will always be stronger than an a solder joint made solely to the external PCB surface.
- 2. PCB Location Accuracy:** When the SLC tail is seated inside the PCB hole it cannot drift or float out of position during reflow soldering operations.
- 3. Ease of use:** Preci-Dip Pin-in-Paste SLCs are ideal for SMT assembly, and when packaged on tape and reel, can be treated like other SMT components on the customer's assembly line.



PRECI-DIP Understanding SLC Terminology



90055 Pin-in-Paste SLC

Tail length = 1.32mm (.052")
 Tail diameter = 0.64mm (.025")
 Body diameter = 1.4mm (.055")

Since the tail length is less than 1.5mm and the tail diameter is less than the body diameter. This SLC has a tail length suitable for intrusive reflow method (aka Pin-in-Paste) soldering.

ADDITIONAL benefits and tips for using Preci-Dip Pin-in-Paste Spring Loaded Components:

1. **As locating/alignment pins on a large SMT SLC assembly:** to prevent connector drift and misalignment during soldering reflow. Typically placed on each end of the connector. Each alignment pin location will require a small through-hole/blind hole in the PCB.
2. **Perfect for flex or thin PCBs :** the short and stubby tails do not require post-soldering lead trimming.



The Preci-Dip Advantage

We realize our customer's are not impressed by marketing rhetoric and flashy advertisements.

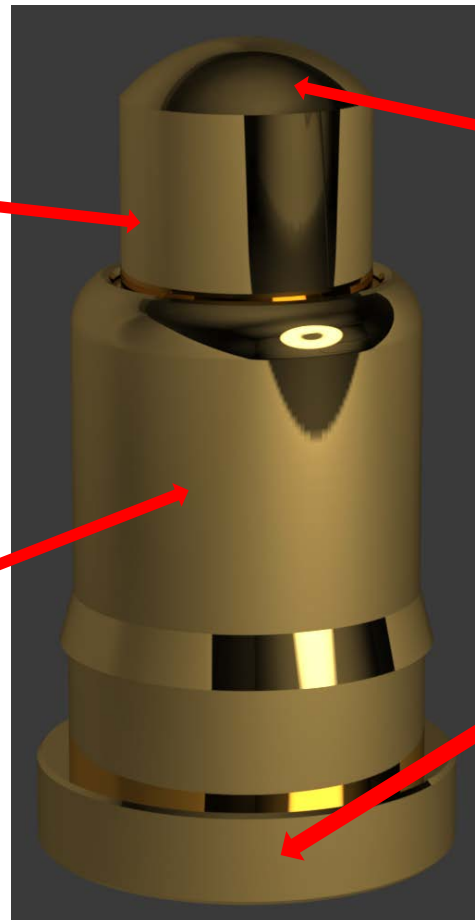
Engineers want and need quality products in their critical applications. The most powerful Preci-Dip advertisement is our product . It speaks for itself.

Look at our product vs. the competition under a microscope and see the difference in workmanship and detail.

Applied Advanced SLC technology: Preci-Dip has several biasing piston designs to offer our customers. Biased pistons keep the signal from passing through the spring.

Superior machined surface inside the barrel, creates SLCs with smooth and quiet piston travel. It's all about the applied experience that results in the quality and performance of our products.

That's why our customer's benefit from the Preci-Dip Advantage.



Superior smooth machined surfaces result in less wear and tear on mating surfaces, resulting in longer product life.

Preci-Dip SMT Spring Loaded Contacts are seamless, one-piece barrel construction. The base of our SLCs are not capped. If you inspect the bottom of our SLCs, you will not find a seam.

Are you planning a project design and need quality manufactured SLCs?
Look no further. Preci-Dip is one of the largest SLC manufacturers in the world.



preci-dip

Preci-Dip is vertically integrated and all manufacturing is performed at our Swiss factory.



Stamping



Secondary operations



Plating



Injection



Screw-machining



Unique production site in Switzerland



Final assembly



From raw material



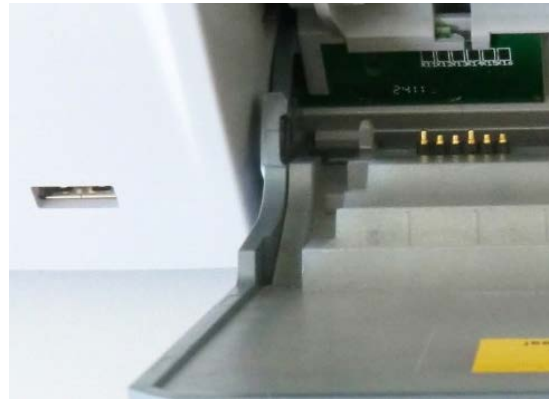
Finished product



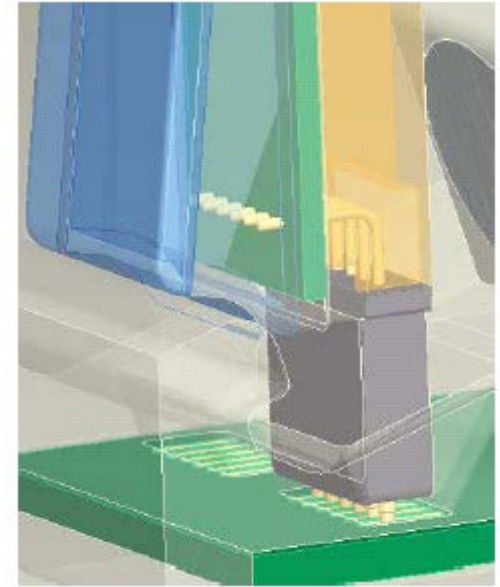
Example SLC Applications:



Docking Stations



Printer Modules



Industrial Motor Interface



Recharging Stations



Metering Devices



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Summary and Conclusion

This brief presentation outlined the primary advantages of Preci-Dip Surface Mount Spring Loaded Contacts. It also gave some insights into the engineering features built into our products.

Preci-Dip has is a world leader in the engineering and design of advanced spring loaded contacts and connectors. Since 1996, Preci-Dip has supplied innovative SLC packaging to the world's largest leading-edge technology manufacturers.

Our customer's are big and small. Spring Loaded Contacts (SLCs) are now used in every industry: from aerospace, medical, LED lighting, industrial, military, etc...

Swiss precision machining is known for its inherent attention to detail and quality.

We look forward to helping you with your spring loaded contact requirements.

Thank you for your valuable time.