

CO-LIDS™

SURON'S Solder Preform Lids for Hermetic Packaging



Our cutting-edge Co-Lid™ enhances package sealing efficiency and eliminates seal failures caused by lid and preform misalignment. By leveraging our pre-eutectic, semi-automated process, we guarantee consistently high-quality solder preform lids with every application.



SURON
Precision Solutions



SURON's Co-Lids™ provide an optimal solution for hermetically sealed electronic packages. Our semi automated, in-house fusing technology can easily scale to a wide range of volume needs, from prototypes to mass production.

We Offer:

Turnkey, Made-To-Order Solutions:

Co-Lid™

Lid+Attached Preform

Co-Lid™ + Getter

Lid+Attached Preform+Getter



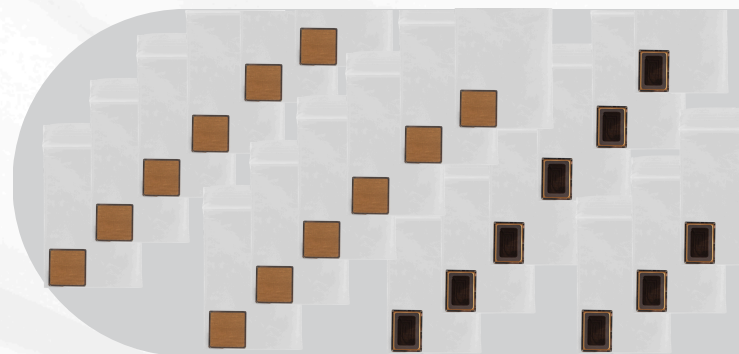
Suron's Co-Lid™ & Co-Lid™ + Getter

Our New In-House Preform Attachment Technology Yields Superior Fuse Characteristics:

- No raised material in the attachment area
- High concentricity tolerances achieved by Suron's controlled Vision System

Key Benefits:

- All Materials sourced from qualified suppliers (DFARs compliant)
- Semi automated, in-house preform fusing technology
- Lids fully manufactured and plated in-house, for quick delivery of both low and high volume orders
- Preform fuse to the lid is achieved with exceptional accuracy and consistency



SURON's Co-Lids™ in Individual, Sealed Bags

Suron's Co-Lids™ are supplied in individual, sealed bags for optimal protection. Additionally, we offer customizable packaging options, including trays and reels, to meet your specific needs. Our flexibility extends to both design and packaging solutions.

Contact our Innovation Center Representatives to discover how we can turn your vision into a tailor-made solution.

Lids

Materials:

Kovar, Alloy 42, Copper, Aluminum Alloys, Titanium Alloys, Stainless Steel.

Plating:

Gold Plate per MIL-DTL-45204D, Type III, Grade A & ASTM B-488-18-III-A over Electrolytic Nickel plating per SAE QQ-N-290-C

High-reliability, 4-layer plating is also available.

General tolerance:

Length & width: $\pm 0.003''$

Flatness:

$< 0.001''$ for lids $< 0.500''$ or $\leq 0.002''$ for lids $\geq 0.500''$

Burrs:

Burrs free

Custom sizes, alloys and plating schemes are also available.

Preforms

Alloy:

Au/Sn, Au/Ge, Sn-based
Common type: Au80Sn20 Solder Preforms

Linear Tolerance:

Length & width: $\pm 0.003''$

Thickness tolerance:

$\pm 0.0003''$

In-House Manufacturing Processes

Our in-house manufacturing allows us to swiftly move from quote to production, ensuring a seamless transition. We can easily handle production volumes ranging from 10 to 1 million pieces.

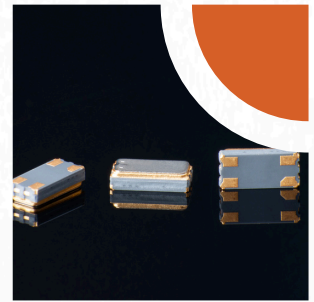
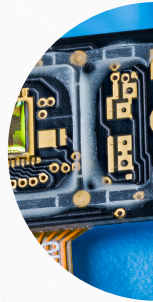
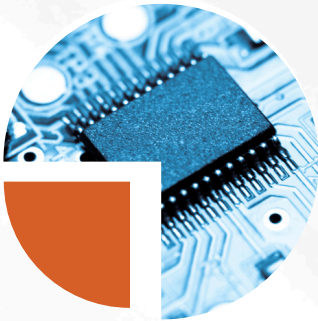
Flexible and Integrated Design

Reach out to SURON's Innovation Center to discuss your alternative design challenges. Our engineers are ready to help you create customized designs for lids, preforms, and related tooling.



SURON at a Glance

SURON is a global expert and innovative partner in the development and manufacturing of high precision components for the world's most advanced microelectronics, aerospace, military, telecom, and medical industries, where **high reliability** and **performance** is essential.



Suron's major advantage is the unique ability to manufacture with a wide array of metal types, with engineering flexibility and extreme precision.



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Contact Us

Need a high precision component?
Let's talk about your next project, by simply scanning
the QR code and shooting us an email.

