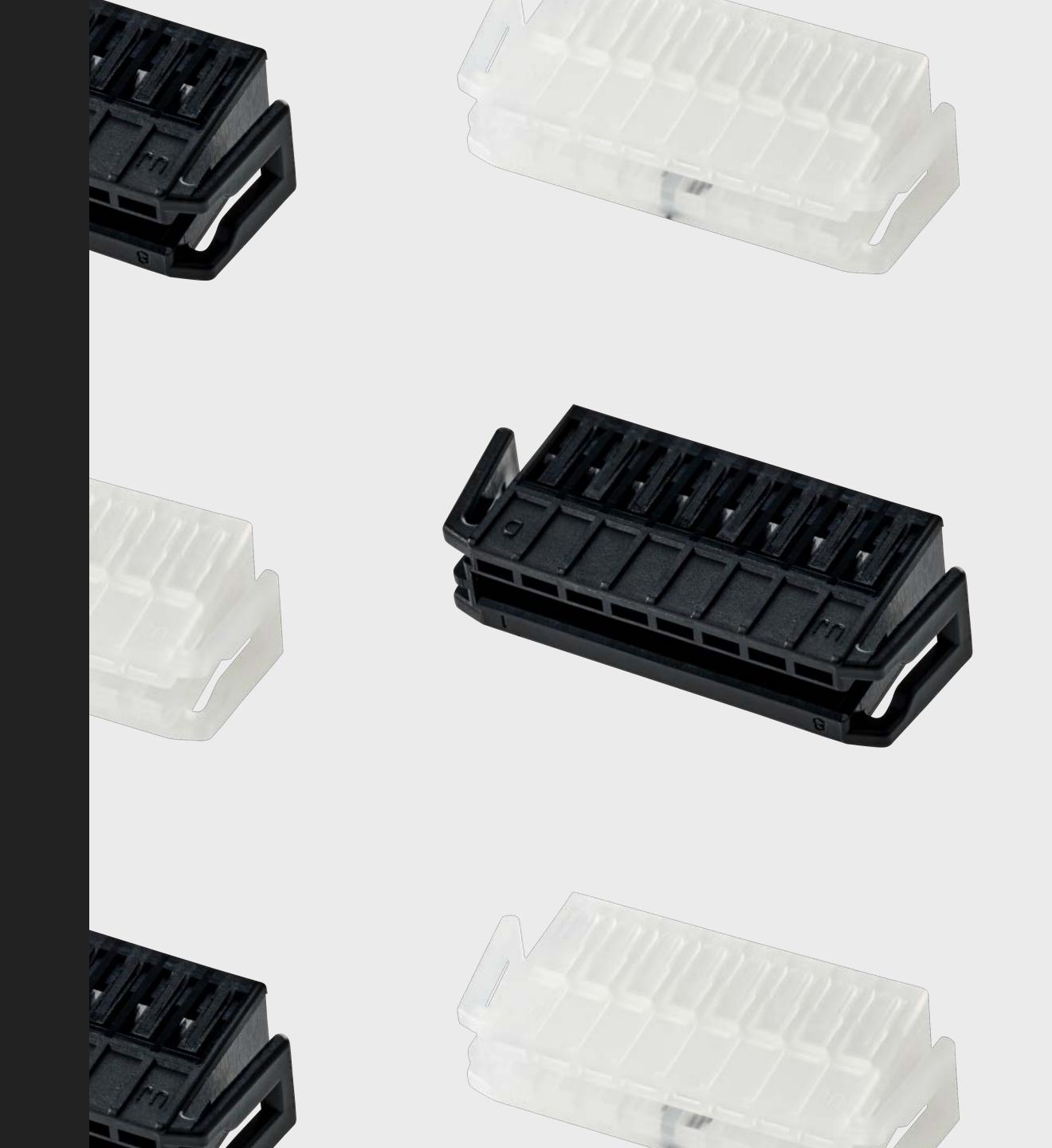


PCB DIRECT CONNECTORS

for Automotive Specifications

PCB SLOT



INTRODUCTION

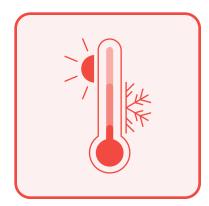
Traditional PCB direct connectors are valued for their costeffectiveness and convenience. However, feedback from customers has highlighted a key concern: stability.

No matter how affordable or user-friendly a product is, safety and reliability cannot be compromised. At UJU, we take these concerns seriously and are committed to delivering PCB connector solutions that ensure both stability and performance, meeting the highest standards of safety.



Electrical conductivity

Improved vibration-resistant conductivity



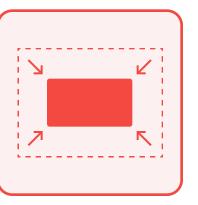
Temperature Resistance

Withstands extreme temperature conditions



PCB Slot

Direct Mating



Creating Space

Maximized space-saving design



Cost Effective

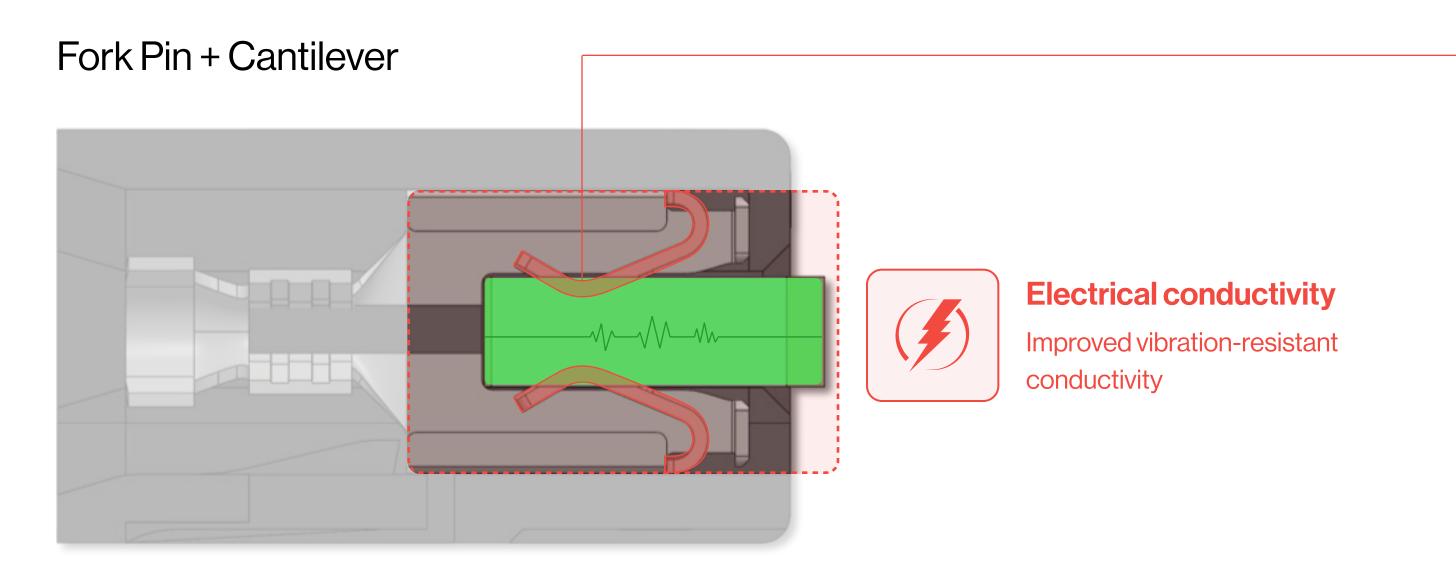
Reduced costs, simplified production



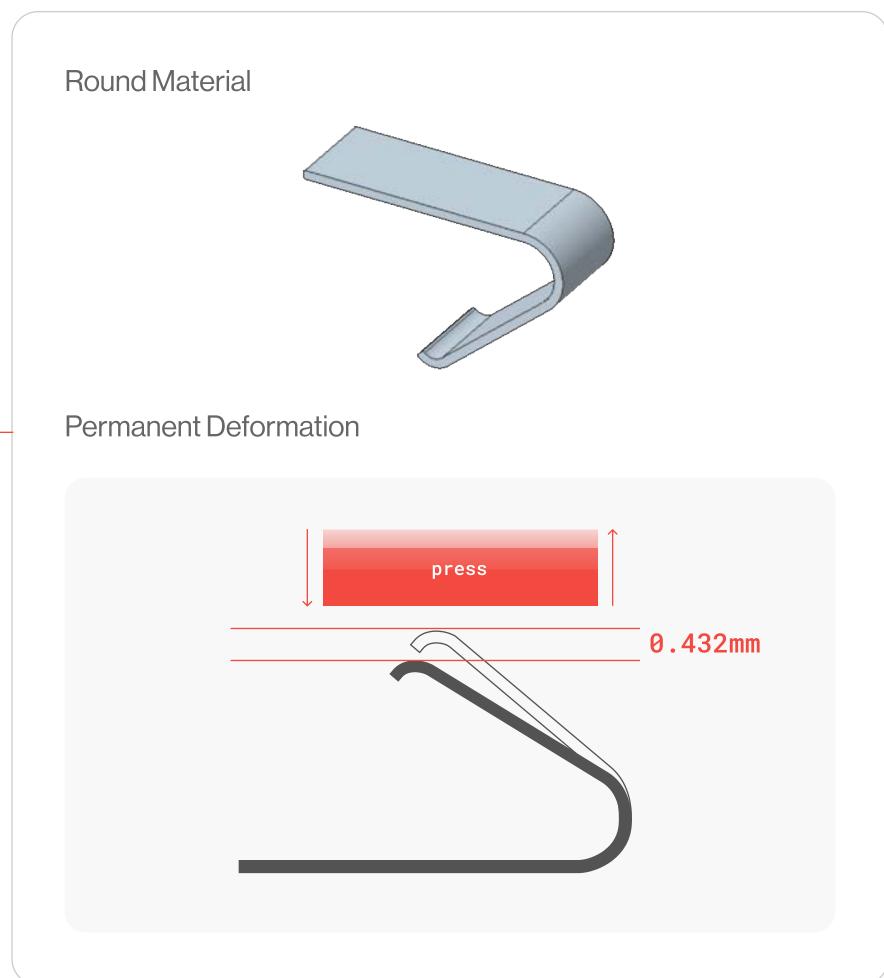
High electrical conductivity

Automobiles face constant vibrations during driving, which can disrupt the stable flow of electricity due to weakened conductivity. Recognizing this challenge, UJU has developed an advanced Fork Pin structure to prevent PCB movement.

This innovative design incorporates a Cantilever structure that maintains consistent tension at the contact points, ensuring minimal contact resistance and optimal electrical flow. UJU's solution delivers unparalleled reliability, even in the most demanding automotive environments



Stress-strain test



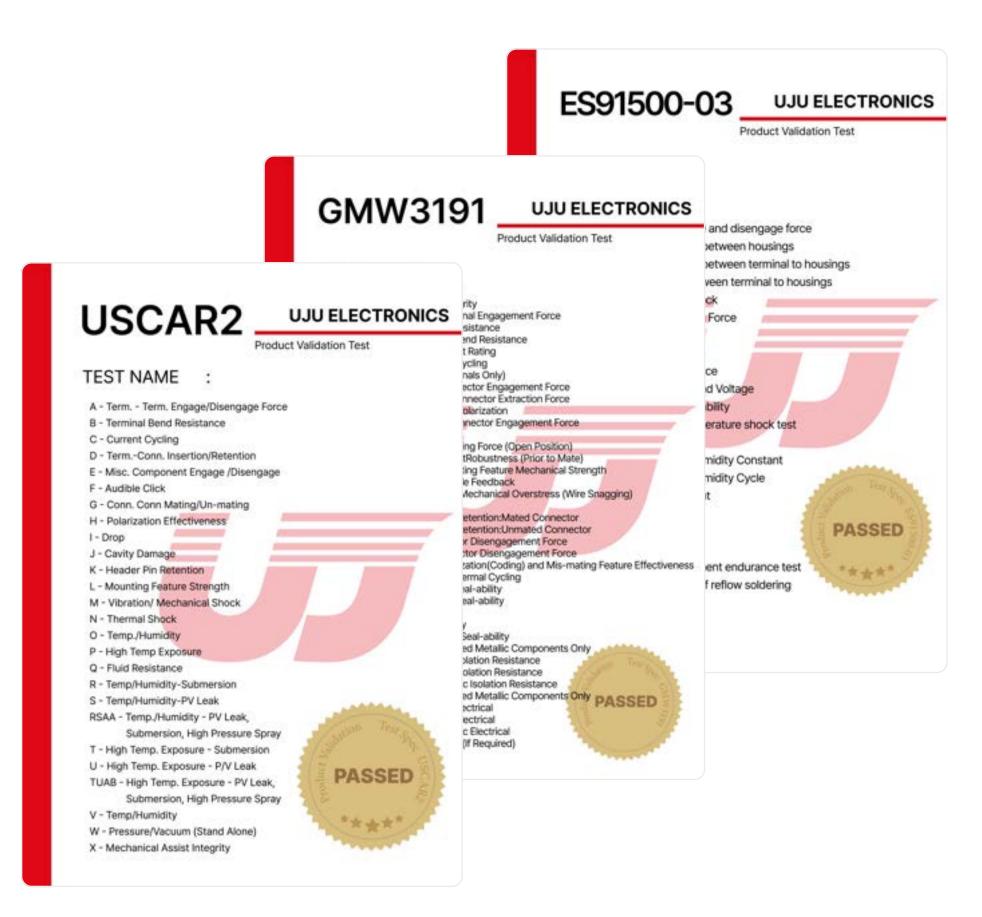
High Temperature Resistance

Vehicles not only endure constant vibrations but are also regularly exposed to extreme temperatures, ranging from -40°C to 125°C. To address these challenges, UJU has rigorously tested and developed PCB connectors capable of withstanding such harsh conditions.

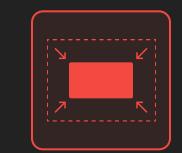
Our PCB Slot is engineered to perform reliably in the toughest automotive environments, meeting the stringent specifications and standards demanded by global automotive companies. With UJU, you get connectors designed for excellence and endurance in every condition.







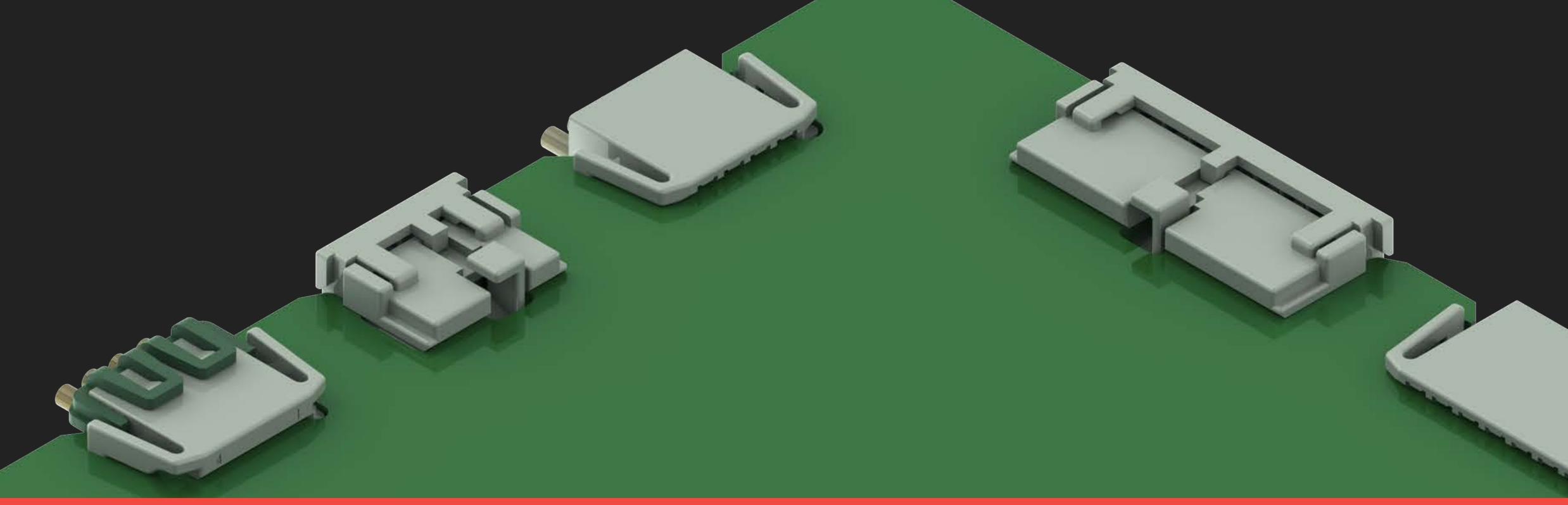
*USCAR2/GMW3191/ES91500-03





DIRECT MAITING

At UJU, we've significantly enhanced the stability of our PCB Slots while preserving their key advantages. By maintaining the ability to directly attach to the PCB, our connectors offer improved space efficiency and help reduce costs—delivering a reliable and economical solution without compromise.

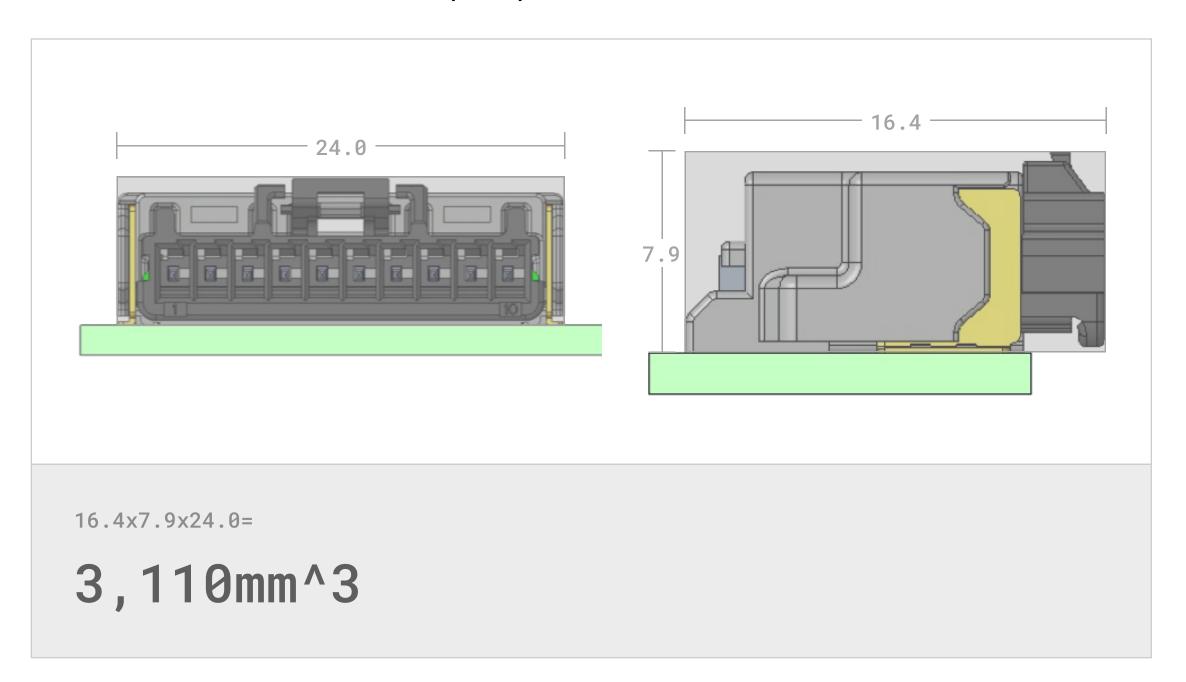


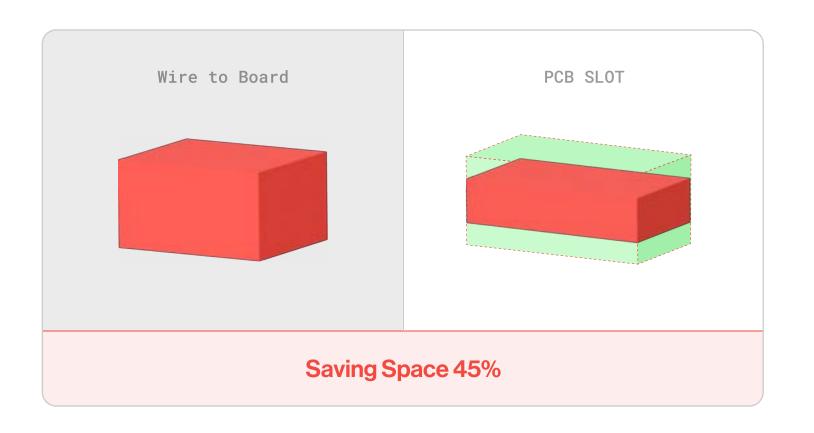
DIRECT MAITING

Creating Space

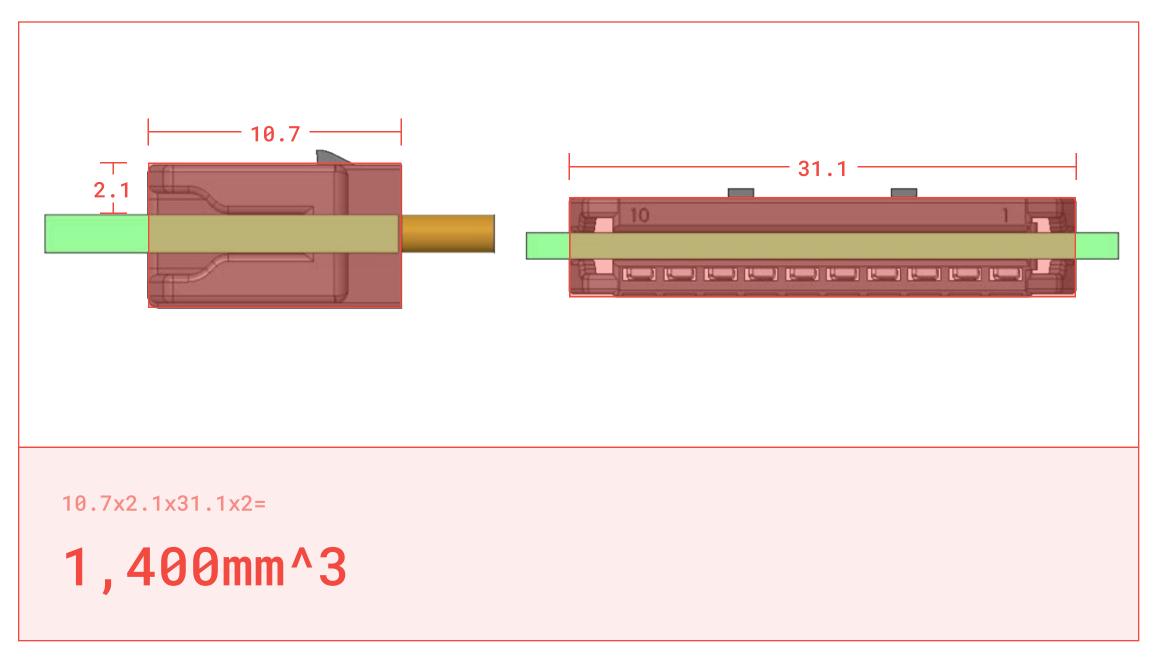
Designing for small-scale applications often involves integrating multiple functions into limited spaces, posing a significant challenge for engineers. Efficient space utilization is key in these scenarios. Unlike SMT connectors, which demand extra room for counterpart components, UJU PCB Slots connect directly to the PCB. This direct connection streamlines the design process and offers substantial space-saving advantages, making them an ideal choice for compact applications.

Wire to board connector (10P)





PCB Slot (10P)



Cost Effective

By eliminating the need for additional counterpart components, UJU PCB Slots provide a dual benefit: reduced connector costs and a simplified design process. The ability to connect directly to the PCB streamlines assembly, resulting in a significant boost in productivity. With UJU, you achieve a cost-efficient, high-performing solution tailored for modern design needs.

Wire to board connector



- Requires an SMT process.
- Involves the assembly of Product 1 and Product 2.
- A total of two products is necessary.

PCB Slot



- Does not require an SMT process.
- No assembly process is needed.
- Can function with just one product.

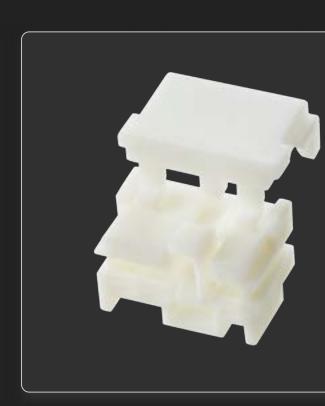
SCALABILITY

PCB Slots deliver unmatched flexibility in design, offering a variety of pin configuration options and vertical or horizontal types. This adaptability enhances scalability and provides engineers with greater freedom to implement solutions tailored to diverse environments.

With UJU PCB Slots, you can create designs that are both versatile and optimized for a wide range of applications.







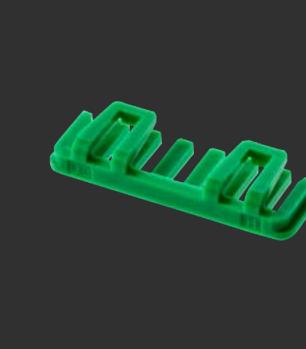








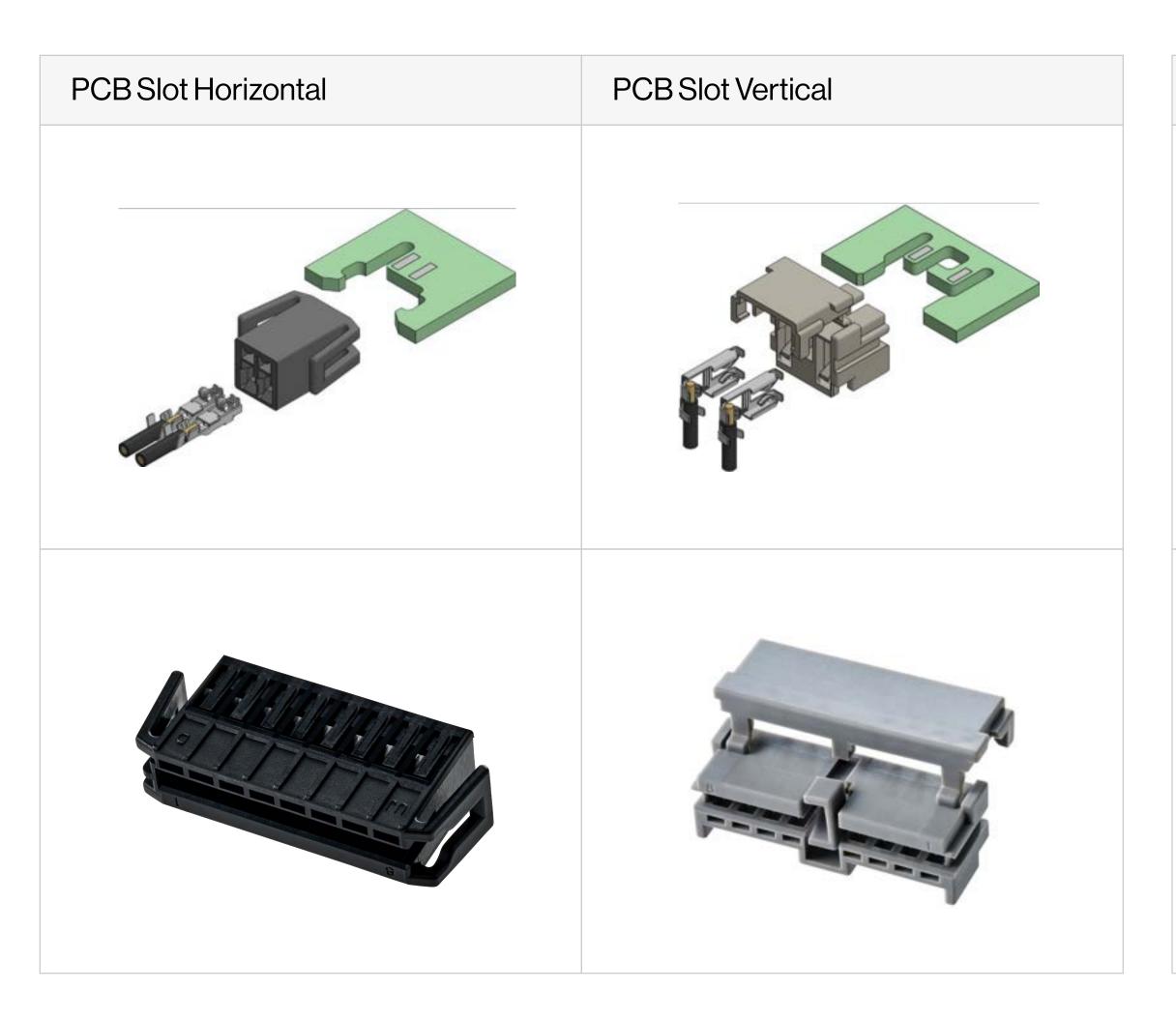




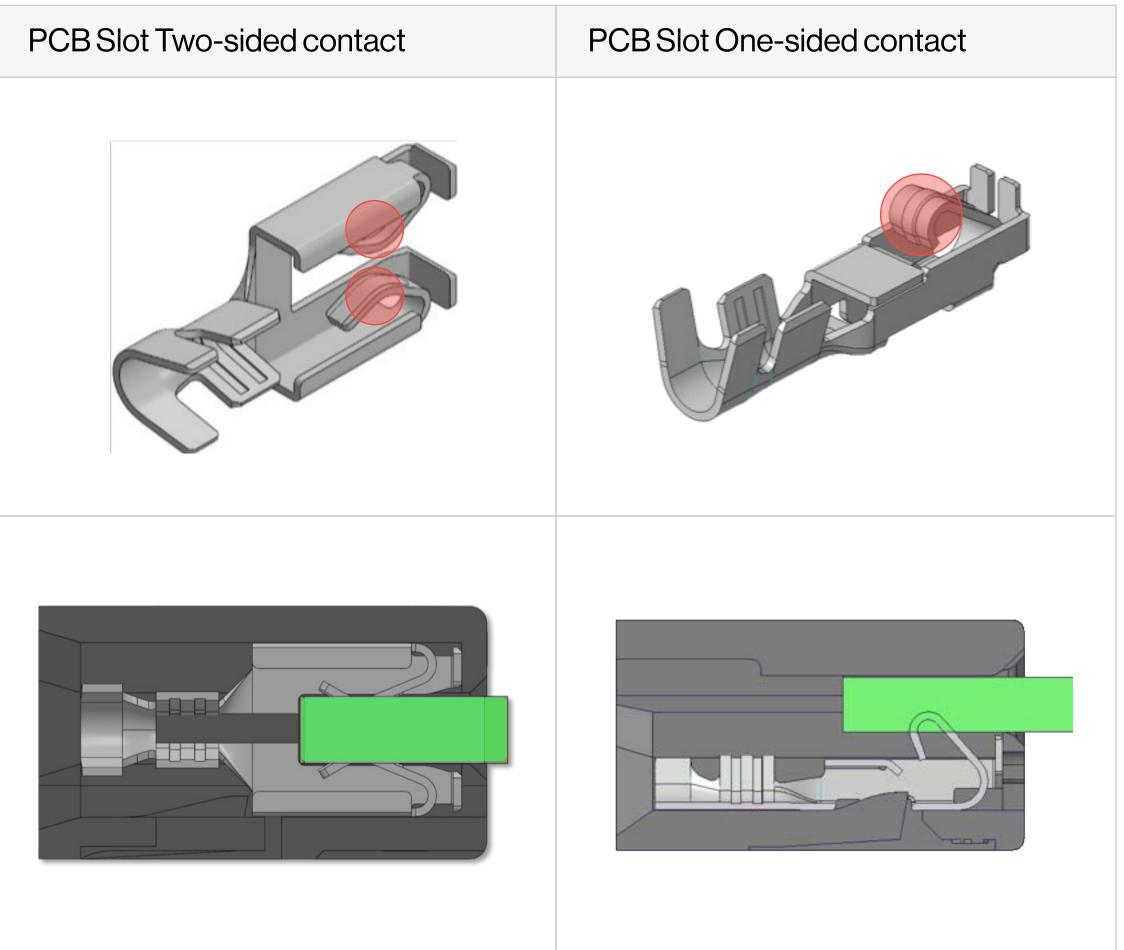
SCALABILITY

SCALABILITY

PCB Slot HZT & VTC



PCB Slot One & Two contact



MORE DETAILS

At UJU, we specialize in providing customized PCB connector solutions designed to meet your specific requirements.

Whether you're tackling complex design challenges or looking for enhanced reliability, our experts are here to help. Contact us today and let us craft the perfect solution for your needs!

