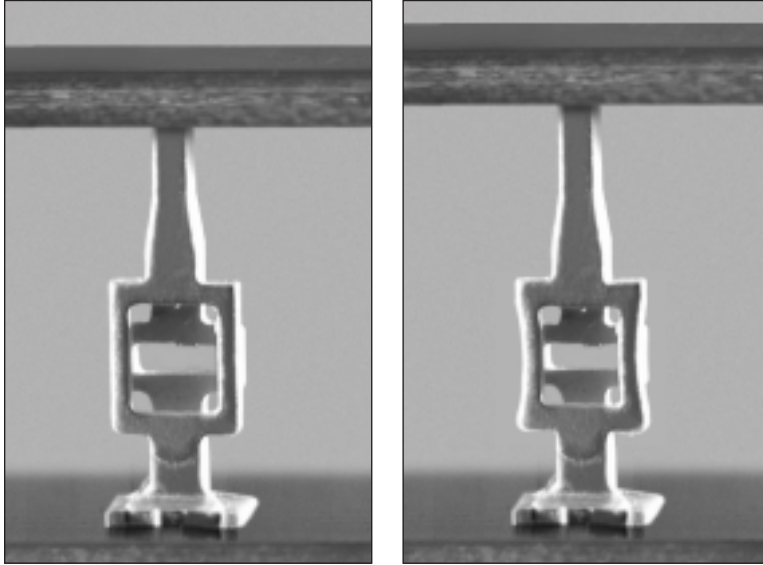


SMT Z-Axis Compliant Pin



Note: Degree of physical change to pin has been enhanced and exaggerated for demonstration purposes.

A primary benefit of the SMT Z-Axis Compliant Pin is its ability to hold a strong, accurate connection under extreme temperature changes. Its Z-Axis (axial) compliancy is designed to compensate for thermal expansion and contraction.

As temperatures cause boards to shift, the pin compensates for separation, and holds a stronger, more dependable connection. The pin's unique, flexible center-frame design actually expands or contracts in response to changes in board orientation.

Zierick integrates the automated manufacturing process with the reliability and quality of precision placement in the SMT Z-Axis Compliant Pin.

Providing Z-Axis (axial) compliancy, the Z-Axis pins compensate for thermal expansion and contraction, creating a more consistently dependable connection.

Uniquely designed for production in a continuous reel format, the SMT Z-Axis Compliant Pin optimizes automation, and with the Surf-Shooter SMT™ Feeder System allows precision placement while using existing pick and place equipment. Z-Axis Compliant Pins can be placed on 0.100" x 0.120" on-center applications, making them ideal for parallel stacking applications.

Zierick designed the Z-Axis Pin to take advantage of capillary action, a process in which a more complete, more stable solder connection is established, providing superior joint strength and more reliably perpendicular pins.

The Z-Axis Pins are manufactured using of 0.012" (0.30mm) thick Copper, and feature a 95/5 Matt Tin/Lead over Copper finish (effective 1/1/05, finish will be Matt Tin over Copper.)

Benefits

Zierick's SMT Z-Axis Compliant Pin:

Increases PCB design flexibility.

- Compensates for thermal expansion and contraction through axial compliancy
- Consumes minimal real estate

Optimizes automation.

- Uses existing placement equipment with a Zierick Surf-Shooter SMT™ Feeder
- Enables the random placement of individual pins
- Allows for pin placement on 0.100" x 0.120" on-center applications

Allows for a better connection.

- Maximizes solder joint strength through utilization of capillary action
- Ensures that pins are reliably perpendicular
- Enhances geographical stability with high locational tolerances

SMT Z-Axis Compliant Pin

Taped Part No.	6264-6
Material Thickness/Type	0.012" (0.30mm) Copper
Standard Finish	95/5 Matt Tin/Lead over Copper (effective 1/1/05 finish will be Matt Tin over Copper)
Feeder System	Surf-Shooter™ Continuous Strip Feeder
Current Rating	

