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## SMT Z-Axis Compliant Pin



an innovative design to  
compensate for  
thermal expansion and  
contraction

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Feature Article

Industry News

## The SMT Z-Axis Compliant Pin integrates automation and reliability

Our new SMT Z-Axis Compliant Pin is designed to provide axial compliancy to compensate for thermal expansion and contraction.

In addition to superior flexibility, other benefits include geographical stability, high locational tolerances, and the ability to randomly place individual pins. Z-Axis Compliant Pins can be placed on .100" x .120" on-center applications, making them ideal for parallel PCB stacking. The unique design takes advantage of capillary action, providing superior solder joint strength and reliably perpendicular pins.

Z-Axis Compliant Pins are designed and manufactured to accommodate production in a continuous reel format, and can be used with existing pick and place equipment using Zierick's Surf Shooter SMT™ Feeder. Pins come in 0.025" square by 0.375" high Copper and feature a 95/5 Matt Tin/Lead over Copper finish. A Lead-free Matt Tin finish will be available in early 2005.

Come see our new Compliant Pin next Tuesday through Thursday at the ATE expo in Chicago, booth number 5017.

[learn more about the compliant pin](#)



## SMT

[Electronic Component Market Trends](#)

**Connector Specifier**  
[National Electronics Distributors Association \(NEDA\) releases lead-free position paper](#)

**Circuits Assembly**  
[ATEXpo Product Preview](#)

Upcoming Tradeshows



[Assembly Technology Expo Booth #5017](#)

September 28-30  
Donald E. Stephens  
Convention Center  
Rosemont (Chicago), IL

Brain Teaser

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