

Engineered Interconnection Solutions

Integrated Design for Manufacture and Assembly
from Zierick Manufacturing Corporation

Integrate



Your needs are *our* business. Zierick integrates the links that fabricate a chain of success — people working together, devising interconnection solutions, implementing them in your environment, and achieving production systems that are complete and commercially viable solutions.

Whether starting from a blank page or working with an existing part that needs to fit your process...whether designing for manufacture and assembly or expanding placement capabilities...you can be confident that our capabilities are driven by your needs. Zierick will fulfill your requirement with high quality yet affordable interconnection solutions — the measure of success.



Give us your

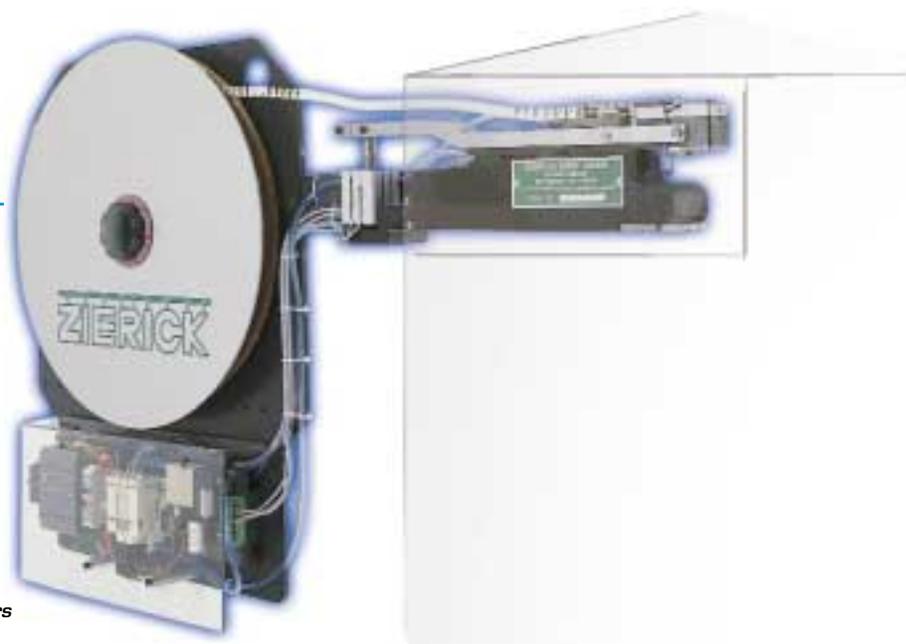
Integrated Design for Manufacture and Assembly

I-DFMA. We believe you are served better by a total quality solution that takes you from design concept to successful assembly. Our experience in understanding *all* of your product needs, not just some of them, means your product introduction will be smoother. Our goal is not merely to keep you satisfied, but your colleagues happy as well. That's why Zierick pays special attention to prototyping and beta testing.

A history
of
Innovation



Stable-Lok™
designed with stabilizing mounting to improve PCB-to-terminal retention; it has since become an industry standard.



SMT Feeders

& assembly excellence



Semi-Automated Systems

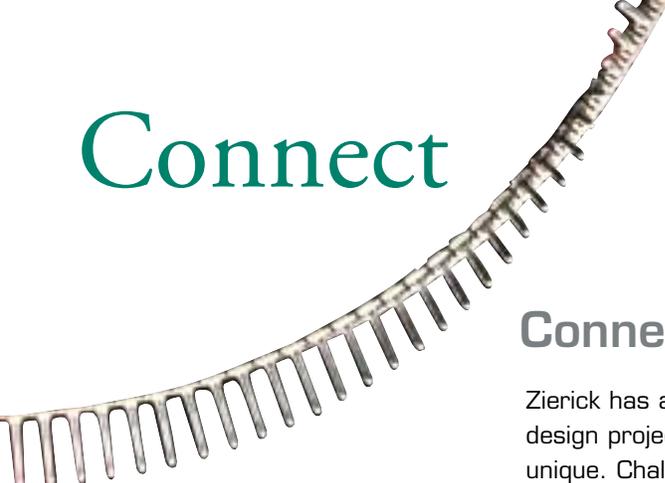
A Company at Work

Since 1919, Zierick has manufactured a full line of standard and custom engineered electronic receptacles, electrical hardware, and automated assembly equipment. As a QS 9000 and ISO 9001 company, we put a premium on the quality of our connectors and assembly systems, and on our service to you. Vertical integration of our many capabilities allows us to respond to your needs quickly and efficiently. Progressive technology permits us to continually add to our product line.

Our products are in use all over the world, supported by an extensive North American sales team and by representatives in Europe, Australia, and Asia. Around the corner, around the world, Zierick is your partner of choice for integrated design for manufacture and assembly.

Let
the next
Innovation
be yours

Connect



Connectors

Zierick has a remarkable record of success in design projects that are frequently challenging and unique. Challenges posed by assembly, connection reliability, miniaturization, and higher current-handling requirements are Zierick's specialty. We offer standard and custom products as well as entirely new solutions if your application requires it.

Our comprehensive line includes pins, headers, quick disconnect terminals, receptacles, IDCs, test point terminals, jumpers, fuse clips, and screw terminals.



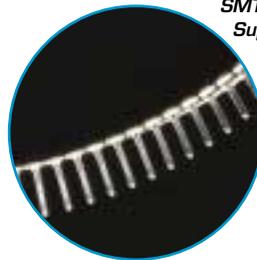
SMT Mountable Quick Disconnect Terminal



High Reliability SMT Pin Header



come away with



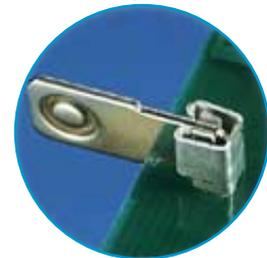
SMT Power Supply Pin



Accu-Lok™ mounting design provides mechanical retention for increased mounting integrity while protecting the solder joint and the hole from stress and deformation.



*Rugged Automotive
Receptacle*



electronic performance...

Innovation is everywhere

The Zierick connector you see here was developed specifically for DC-to-DC converters. A primary challenge facing power supply manufacturers is to assure the reliability of the connections from board to board, board to device, and from the device to the "outside world." Since power supplies may be subjected to extreme temperature swings — e.g., from -65°C to 125°C in eight minutes, eight times in succession — achieving highly dependable connections is no mean achievement.

Our two-piece SMT pin uses the capillary action of reflowing solder to improve the connection. The result is a thinner solder layer that ensures a better connection (fewer voids), stronger connections (higher retention force), more accurate placement, and longer service life. These benefits are confirmed by our many satisfied customers who use these SMT pins.



Accu-Pak™ contact spring technology brings added repeatability and resistance to deformation.



Tape Resist™ solder mask prevents solder from wicking onto internal contacts and eliminates the labor associated with masking.

Succeed

New challenges · New solutions

Board density, process variables, and odd-form placement in an increasingly SMT world are the biggest challenges facing designers of electronic products today. Zierick has been addressing these challenges with terminal design and superior assembly systems for decades. We embrace the challenges our customers present. Finding the best integrated solution for your requirement is our mission.

...achieve manufacturing

Assembly Equipment

Whatever your surface mount or through hole assembly requirements, Zierick has equipment to meet your needs — whether it's an intelligent feeder that integrates into your flexible placement system, or a high-volume, fully-automated insertion system. We incorporate the most progressive technology to achieve reliability, speed, and accuracy.

Our versatile through hole systems feature modular tooling to accommodate a full range of product. Most importantly, when you choose Zierick assembly equipment, you are assured of production economies as well as a seamless fit into your production environment either as in-line or stand-alone units.

*Stand-alone and
Pass-through Systems*



Accu-Post™ Pins

eliminate the need for tight mounting-hole tolerance and reduce instances of fractured, loose, or misaligned posts.

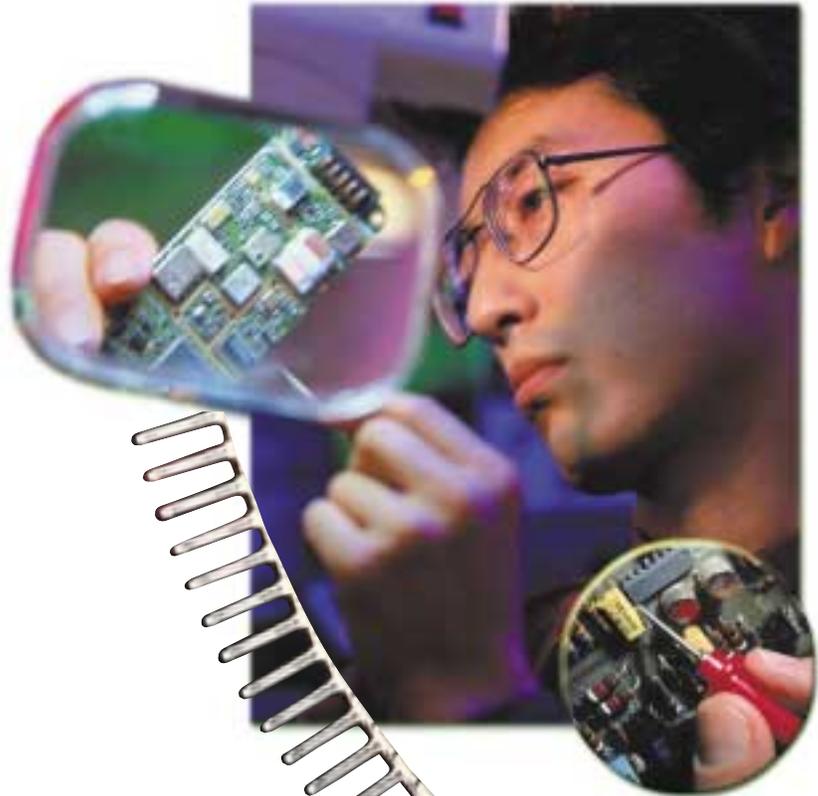


Accu-Pak™ Fuse Clips

exhibit increased retention, strength, and durability when attached to a PCB.

R&D · Test

With every interconnection product, Zierick engineers have advanced the electronic production process. Whether it's providing an IDC that allows repeated mating or a miniature socket that enables a three-dimensional circuit, our research and development team has set many industry standards. Today, with so many of your products driving the trend toward miniaturization, Zierick has been a leader in such areas as solder joint reliability in SMT applications and in automating odd-form connector placement.



design challenges...



**Protective guard removed for clarity.*

Tooling

For decades Zierick has created unique tooling solutions for the manufacture of interconnection components. This experience prepares us to satisfy both your interconnection and board assembly needs, from tooling design and manufacture right through to component placement or insertion, as an integrated solution.



The **Pro-Wave™** socket provides a solderless connection while allowing the parallel stacking of several dozen multi-layer circuit boards.

