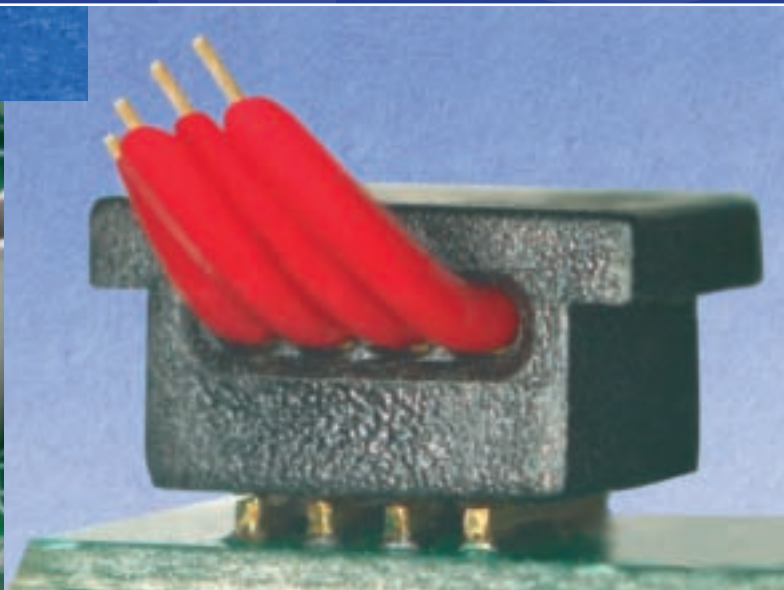


CATALOG

Surface Mount & Through-Hole
Interconnection & Assembly Solutions



www.zierick.com

ZIERICK
ENGINEERED INTERCONNECTION SOLUTIONS



My grandfather, Frederick R. Zierick, founded the company in 1919 and we grew with the electronics industry. For three generations Zierick Manufacturing has been focused on the development and manufacturing of precision connectors that others have trouble matching.

The scope of our industry has broadened over the years. We began with radio components but today there is hardly a product manufactured that doesn't include a printed circuit board. It's exciting - there is always something new for us to work on!

We are proud to manufacture and electroplate our quality parts in New York State, USA.

Zierick continues to focus on engineering and processes. Our R&D engineers are here to work with you, our customer, to select or design a connector that meets your requirements. Our skilled toolmakers build and maintain our tools.

We use vision systems to perform 100% inspection on key characteristics, and our in-house plating process is carefully monitored. We design and build much of our application equipment and have staff available to provide telephone and on-site support.

Our Quality Policy is clear: Deliver on time, conform to specs.

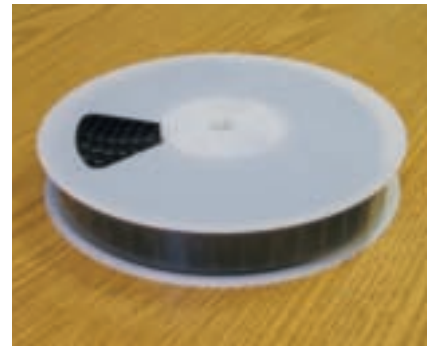
Many of our standard products are in inventory and can be shipped same day. Others are made to order and ship dates depend on availability of raw materials and our current lead time. We'll advise you of our best date and will work to improve it.

You - our customers - have helped make Zierick successful for over 90 years. Make our components a part of your successful products.

Gretchen Zierick
President

Zierick Prototype Reels

Zierick's Surface Mount taped parts are now available on 7" Small Prototype Reels which hold 100 terminals. These inexpensive reels are a quick and easy way to evaluate Zierick components with your equipment and your boards before making a large order commitment. Look for terminals which have a part number ending with -SR (small reel), or call Customer Service.



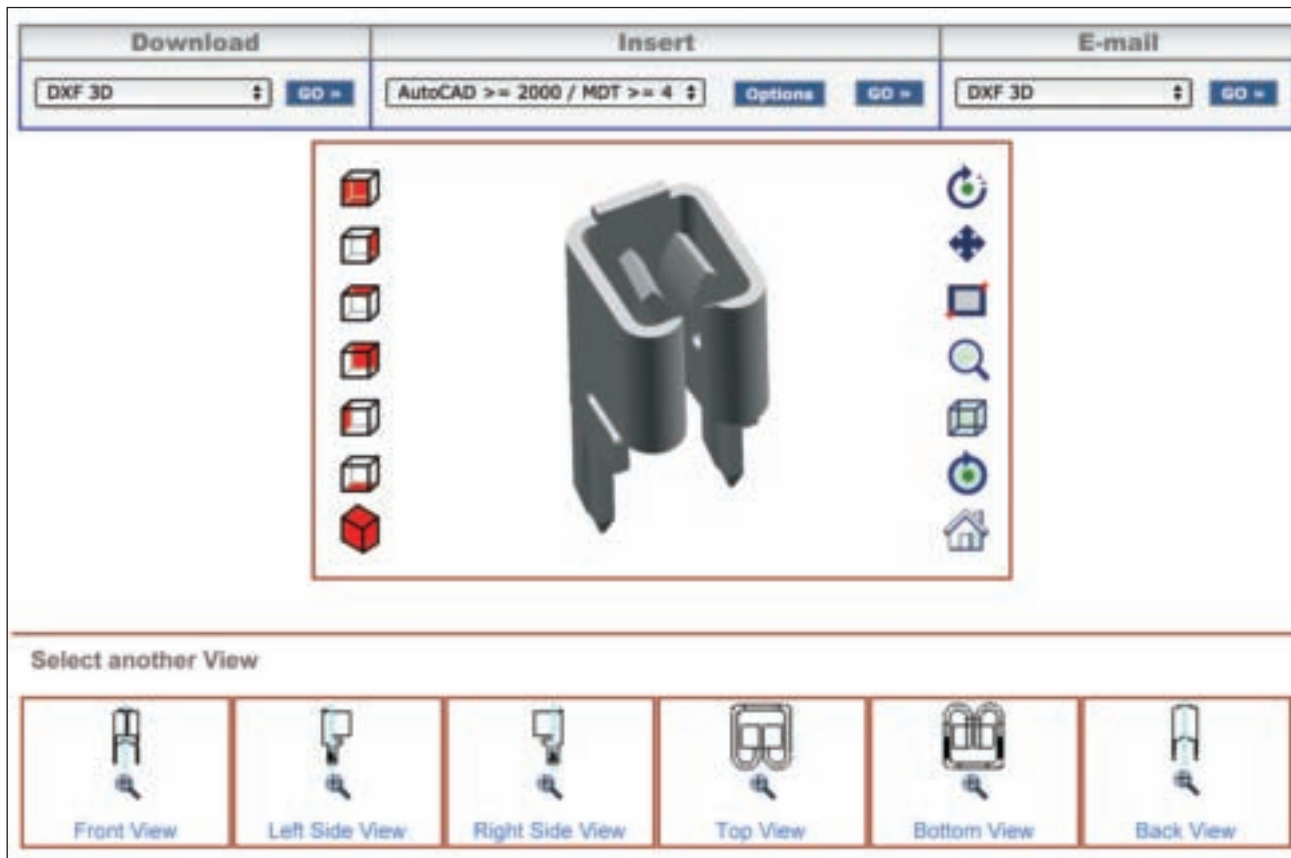
Visit www.zierick.com for the most up-to-date and comprehensive information about the company and its products. The website offers downloadable CADs of our parts, order tracking, videos, and the ability to find the part you need by description, or the perfect mates for the parts you now use.

Zierick Manufacturing Corp. is an engineering-based manufacturer of connectors and the leading source of solutions to complex electronic and printed circuit board interconnection requirements and problems, ranging from standard products to custom-made goods. We also provide our customers with assembly equipment for our parts, interconnection hardware, and taped terminals. Since 1919, Zierick has set the standard in both design leadership and quality tooling and stamping.



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| | |
|-----|--|
| 2 | Online CAD Drawings |
| 3 | Surface Mount Connectors |
| 4 | SMT Pins and Posts |
| 8 | SMT Tabs / Quick Disconnect Terminals |
| 11 | SMT Pin Headers |
| 16 | SMT Board Stacking Connectors |
| 18 | SMT Fine Wire Connectors |
| 20 | SMT Insulation Displacement Connectors |
| 22 | SMT Insulation Piercing Connectors |
| 25 | SMT Zip Cord Connectors |
| 27 | SMT Wire Grippers |
| 28 | SMT Jumpers |
| 29 | SMT Receptacles |
| 31 | SMT Box Receptacles |
| 34 | SMT Clips |
| 35 | SMT Fuse Receptacles |
| 36 | SMT Sockets |
| 39 | Terminals for High Temp Applications |
| 41 | Board Stuffing Service |
| 43 | Through-Hole Connectors |
| 44 | Tabs / Quick Disconnect Terminals |
| 60 | Test Point Terminals |
| 63 | Pro Wave Connectors |
| 64 | Box Receptacles |
| 68 | Tab Receptacles |
| 72 | Universal Tab Receptacles |
| 76 | Snap-In & Standard Fuse Clips |
| 79 | Insulation Displacement Connectors |
| 84 | IDC Wire Insertion Tools |
| 85 | Wire Grippers |
| 86 | Crimp-On Wire Strain Relief Terminals |
| 87 | Screw Terminals / Binding Posts |
| 92 | Screws and Wire Clamps |
| 93 | <i>Accu-Post™</i> Terminals |
| 97 | Through-Hole and Surface Mount Equipment |
| 98 | Model 9700 XY |
| 99 | Model 9700 |
| 101 | <i>Surf-Shooter SMT™</i> Feeder for Continuous Strip Terminals |
| 102 | <i>Surf-Shooter SMT™</i> Feeder for Loose Piece Terminals |
| 103 | Wire Crimping Equipment |
| 105 | Product Guarantee and Plating / Finish Table |
| 107 | Part Number Cross Reference |



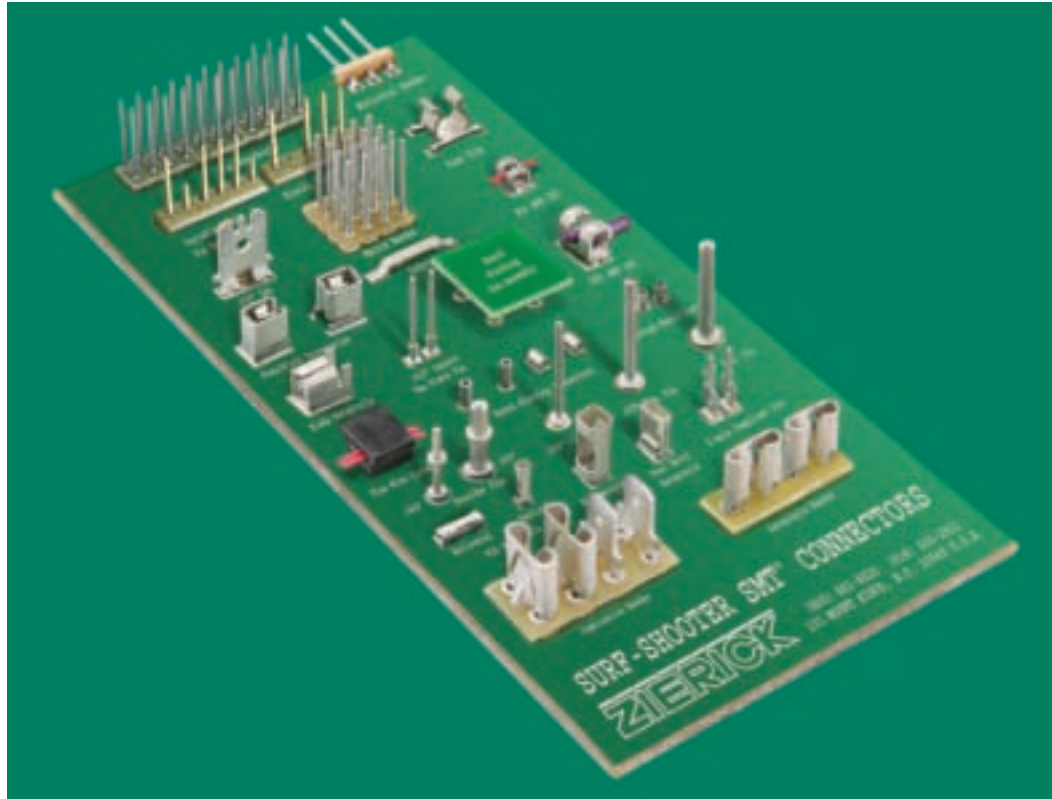
To help electronic designers and engineers improve efficiency, significantly shorten design cycles, and reduce design and engineering costs, Zierick Manufacturing Corporation has been providing online access to much of its extensive library of CAD drawings at www.zierick.com.

Zierick is the leading source of custom and standard solutions for printed circuit board connection requirements and problems. Zierick's new online offerings provide visitors with access to hundreds of CAD models from its popular Surface Mount and Through Hole product lines.

The Zierick website homepage announces this opportunity for visitors with a link to a full listing of the part numbers that can be downloaded or viewed in 3D format. The web pages for those part numbers now feature links connecting visitors to the CAD drawings.

Thanks to this easy access, engineers can quickly download pre-drawn CAD models of Zierick's components and insert them into their own designs using any major CAD software system, eliminating the need to obtain dimensions and painstakingly redraw the parts.

This functionality makes it possible for our customers' engineers to focus on the bigger picture when creating new designs. We want to make it easy for our customers to integrate our parts into their designs.

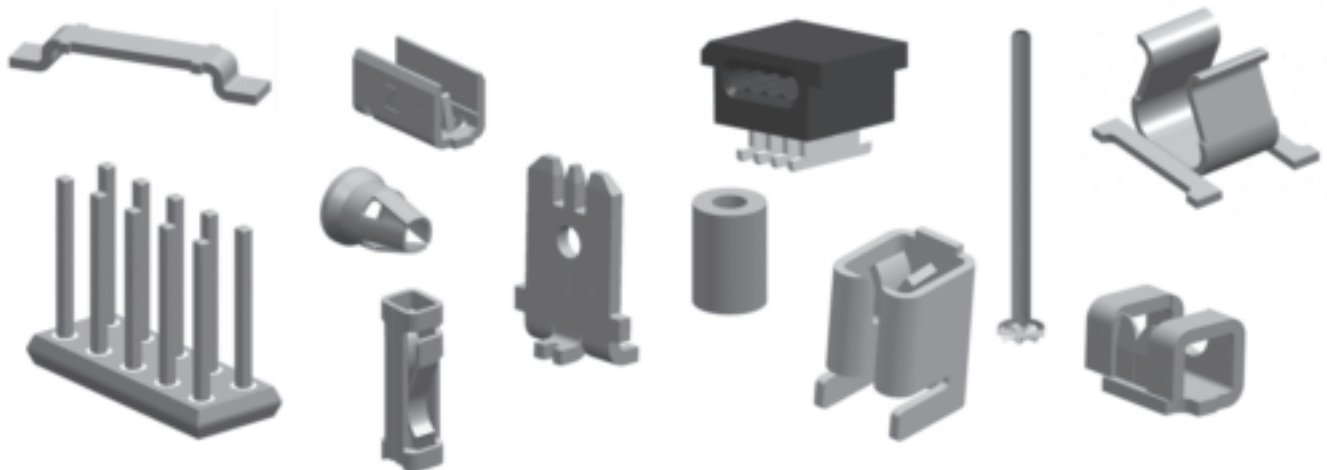


As the industry's first surface-mountable connectors to be supplied on a continuous reel, our surface mount connectors are designed to be used as part of Zierick's Surf-Shooter SMT™ (Surface Mount Technology) assembly system to simplify and reduce the cost of surface mount assembly. The complete Surf-Shooter SMT™ system (consisting of connectors supplied on a continuous reel and a special feeder) feeds, separates, and

presents the continuous format, surface-mountable connectors to the pick-up head of the customer's existing placement system.

The continuous format design of the stamped SMT connectors eliminates the need for hand placement or prepackaging that is typically used for surface mount connectors. It eliminates the need for putting the Zierick component in tape and reel, which costs

more than the price of the component itself. Even odd-form components can be fed to the customer's placement system on continuous reels, eliminating hand assembly.



Features and Benefits

- Individual pins can be randomly placed.
- Pins don't float during reflow.
- Pins are reliably perpendicular.
- Zierick offers pins that are designed for .100° on-center applications.
- Certain pins can be selectively plated.
- Many can be produced in different lengths or with different materials for higher conductivity.
- Others provide Z-Axis (axial) compliancy and/or can be used in parallel PCB stacking applications.
- All are designed for automation using the customer's existing pick and place equipment and a special feeder.
- No time-consuming hand placement or costly fixturing is required.

Zierick's SMT pins and posts are specially designed for high-reliability PCB interconnection applications. They are available in many lengths and diameters.

To reduce the applied cost and increase interconnection reliability, Zierick utilizes the capillary action of reflowing solder to prevent the



component from floating and moving on top of the melted solder, and to improve solder joint strength. Pull-force tests reveal that a post with proper capillary action has much higher retention to the printed circuit board than a post without the capillary action feature.

The higher retention force is attributable to two conditions:

- ◆ The first is the very thin layer of solder between the base of the pin and the solder pad. Solder is a weak alloy with a low yield stress. A thicker layer of solder will fail before a thinner layer.

- ◆ As the solder paste reflows, flux and other active ingredients in the solder cause out-gassing. These gases get trapped under a relatively large surface like the base of the pin. The trapped gasses create voids in the solder that are clearly visible when the pin is pulled off or the solder joint is cross-sectioned. Pins that employ capillary action have fewer and smaller voids because the capillary tube provides a way for gasses to escape.

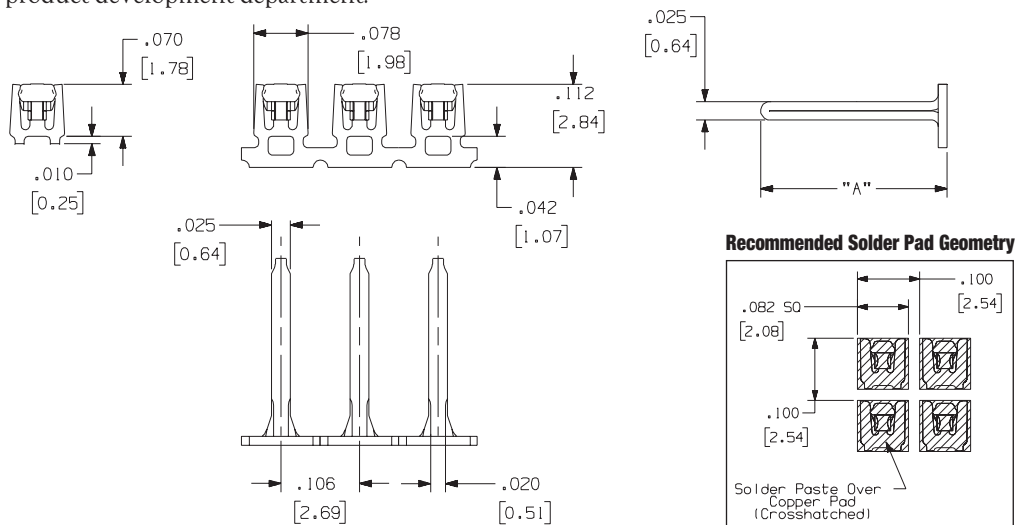


Part Numbers 1216, 6216, 1222, 6222, 6246

U.S. Patent Nos. 5,632,629, 5,695,348,
5,730,608, 5,816,868 and other
U.S. and international patents

Zierick recommends .006" stencil thickness for most applications. For other stencil thicknesses, call Zierick's product development department.

| | | | |
|----------------------------------|---|-----------------|-----------------------------------|
| Loose Part No. | 1216 | 1222 | |
| Reeled Part No. | 6216 | 6222 | 6246 |
| Pin Length (L) | 0.375" (9.53mm) | 0.250" (6.35mm) | 0.375" (9.53mm) |
| Material Thickness / Type | 0.012" (0.30mm) Brass | | 0.012" (0.30mm) CDA 155 Copper |
| Standard Finish | 100% Tin over Copper | | |
| Current Rating | 8 Amperes | | |
| Feeder System | Surf-Shooter SMT™ Continuous Strip Feeder | | |

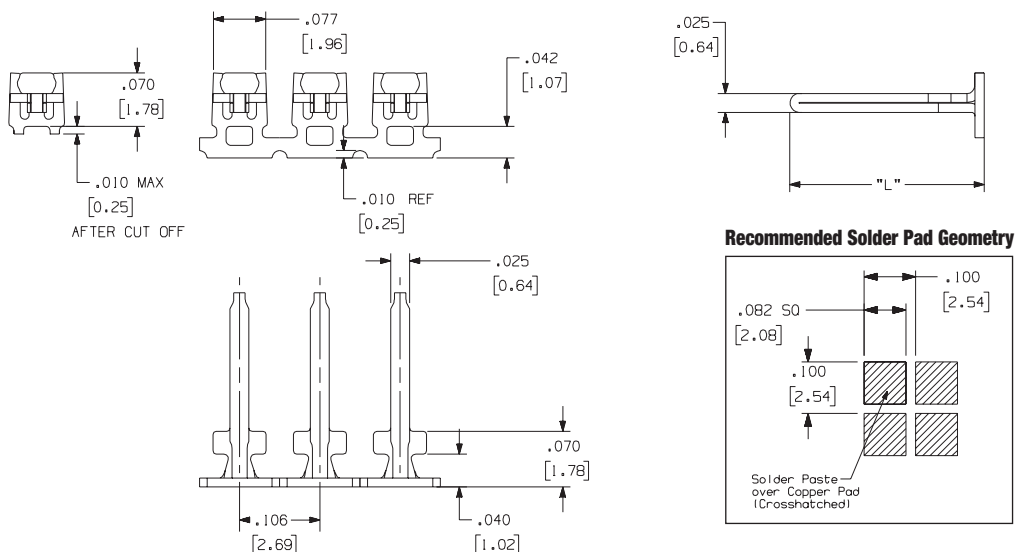


Part Numbers 6239, 6240

U.S. Patent Nos. 5,632,629, 5,695,348,
5,730,608, 5,816,868 and other
U.S. and international patents

Zierick recommends .006" stencil thickness for most applications. For other stencil thicknesses, call Zierick's product development department.

| | | |
|----------------------------------|---|-----------------|
| Reeled Part No. | 6239 | 6240 |
| Pin Length (L) | 0.250" (6.35mm) | 0.375" (9.53mm) |
| Material Thickness / Type | 0.012" (0.30mm) Brass | |
| Standard Finish | 100% Tin over Copper | |
| Current Rating | 8 Amperes | |
| Feeder System | Surf-Shooter SMT™ Continuous Strip Feeder | |

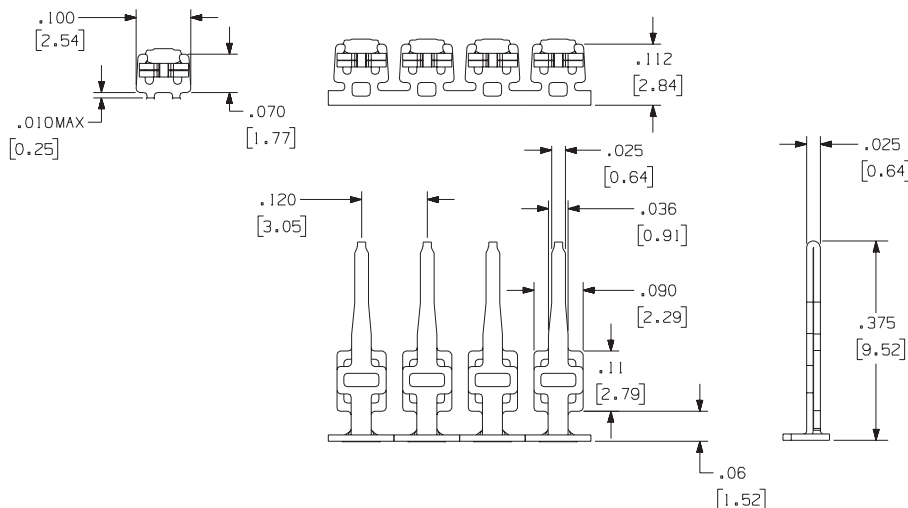


Part Numbers 1264, 6264

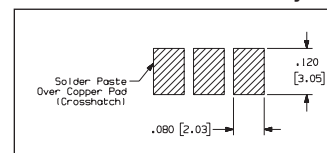
U.S. Patent Nos. 6,997,727 B1, 5,730,608, 5,632,629, 5,695,348, 5,816,868 and other U.S. and international patents

Zierick recommends .006" stencil thickness for most applications. For other stencil thicknesses, call Zierick's product development department.

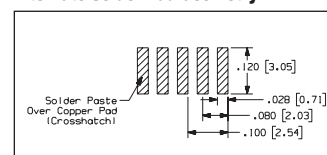
| | |
|----------------------------------|---|
| Loose Part No. | 1264 |
| Reeled Part No. | 6264 |
| Total Length (Height) | 0.375" (9.52mm) |
| Material Thickness / Type | 0.012" (0.30mm) C15500 Copper & Silver |
| Standard Finish | 100% Tin over Copper |
| Current Rating | 8 Amperes |
| Feeder System | Surf-Shooter SMT™ Continuous Strip Feeder |



Recommended Solder Pad Geometry



Alternate Solder Pad Geometry



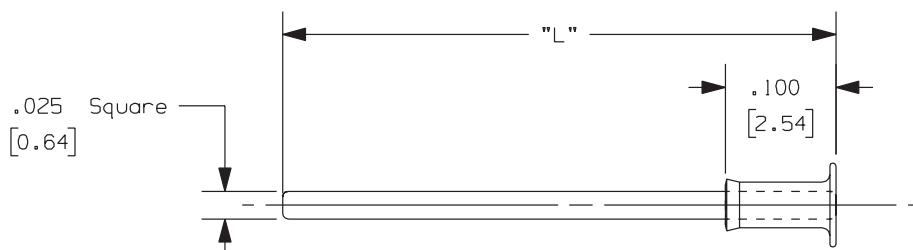
Surface Mount Solid Pins

Part Numbers A1-250, A1-375, A1-421, A1-500, A1-625, A1-750

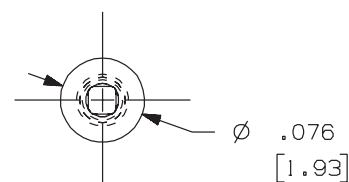
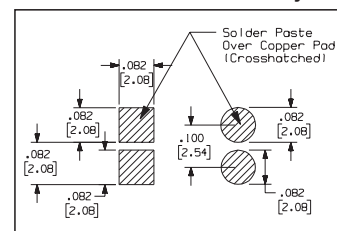
U.S. Patent Nos. 5,632,629, 5,816,868 and other U.S. and international patents

Zierick recommends .006" stencil thickness for most applications. For other stencil thicknesses, call Zierick's product development department.

| | | | | | | |
|------------------------|--|-----------------|------------------|------------------|------------------|------------------|
| Loose Part No. | A1-250 | A1-375 | A1-421 | A1-500 | A1-625 | A1-750 |
| Dim 'L' | 0.250" (6.35mm) | 0.375" (9.53mm) | 0.421" (10.69mm) | 0.500" (12.70mm) | 0.625" (15.88mm) | 0.750" (19.05mm) |
| Pin Width | 0.025" (0.64mm) Square | | | | | |
| Standard Finish | 100% Tin over Copper | | | | | |
| Current Rating | 8/Pin | | | | | |
| Feeder System | Pin-Shooter SMT Loose Piece Feeder (Pin Shooter) | | | | | |



Recommended Solder Pad Geometry

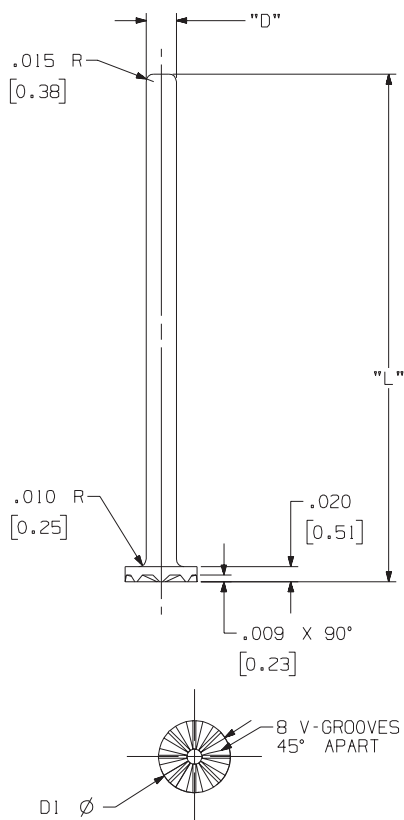


Part Numbers

**A2-375-0, A2-495-0,
A2-532-0, A2-670-0,
A2-680-0, A3-595-0,
A3-625-0, A3-680-0,
A3-800-0, A4-375-0,
A4-625-0, A4-680-0**

U.S. Patent Nos. 5,632,629,
5,695,348, 5,730,608, 5,816,868
and other U.S. and international
patents

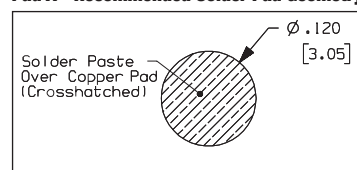
Zierick recommends .006" stencil
thickness for most applications.
For other stencil thicknesses, call
Zierick's product development
department.



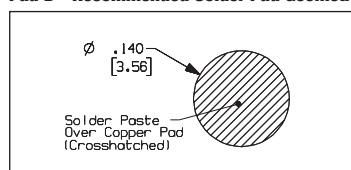
| Part No. | DESCRIPTION | L* | D | D1 | PAD | CURRENT RATING |
|----------|--|------------------|-----------------|----------------------------------|-----|----------------|
| A2-375-0 | 0.040" (1.02mm) Dia x 0.375" (9.53mm) long Solid Copper SMT Post; 100% Tin over CDA 11000 | 0.375" (9.53mm) | 0.040" (1.02mm) | 0.095" ±0.005" (2.41mm ±0.127mm) | A | 15 Amperes |
| A2-495-0 | 0.040" (1.02mm) Dia x 0.495" (12.57mm) long Solid Copper SMT Post; 100% Tin over CDA 11000 | 0.495" (12.57mm) | 0.040" (1.02mm) | 0.095" ±0.005" (2.41mm ±0.127mm) | A | 15 Amperes |
| A2-532-0 | 0.040" (1.02mm) Dia x 0.532" (13.51mm) long Solid Copper SMT Post; 100% Tin over CDA 11000 | 0.532" (13.51mm) | 0.040" (1.02mm) | 0.095" ±0.005" (2.41mm ±0.127mm) | A | 15 Amperes |
| A2-670-0 | 0.040" (1.02mm) Dia x 0.670" (17.02mm) long Solid Copper SMT Post; 100% Tin over CDA 11000 | 0.670" (17.02mm) | 0.040" (1.02mm) | 0.095" ±0.005" (2.41mm ±0.127mm) | A | 15 Amperes |
| A2-680-0 | 0.040" (1.02mm) Dia x 0.680" (17.27mm) long Solid Copper SMT Post; 100% Tin over CDA 11000 | 0.680" (17.27mm) | 0.040" (1.02mm) | 0.095" ±0.005" (2.41mm ±0.127mm) | A | 15 Amperes |
| A3-595-0 | 0.060" (1.52mm) Dia x 0.595" (15.11mm) long Solid Copper SMT Post; 100% Tin over CDA 11000 | 0.595" (15.11mm) | 0.060" (1.52mm) | 0.120" ±0.005" (3.05mm ±0.127mm) | B | 20 Amperes |
| A3-625-0 | 0.060" (1.52mm) Dia x 0.625" (15.88mm) long Solid Copper SMT Post; 100% Tin over CDA 11000 | 0.625" (15.88mm) | 0.060" (1.52mm) | 0.120" ±0.005" (3.05mm ±0.127mm) | B | 20 Amperes |
| A3-680-0 | 0.060" (1.52mm) Dia x 0.680" (17.27mm) long Solid Copper SMT Post; 100% Tin over CDA 11000 | 0.680" (17.27mm) | 0.060" (1.52mm) | 0.120" ±0.005" (3.05mm ±0.127mm) | B | 20 Amperes |
| A3-800-0 | 0.060" (1.52mm) Dia x 0.800" (20.32mm) long Solid Copper SMT Post; 100% Tin over CDA 11000 | 0.800" (20.32mm) | 0.060" (1.52mm) | 0.120" ±0.005" (3.05mm ±0.127mm) | B | 20 Amperes |
| A4-375-0 | 0.080" (2.03mm) Dia x 0.375" (9.53mm) long Solid Copper SMT Post; 100% Tin over CDA 11000 | 0.375" (9.53mm) | 0.080" (2.03mm) | 0.140" ±0.010" (3.56mm ±0.254mm) | C | 25 Amperes |
| A4-625-0 | 0.080" (2.03mm) Dia x 0.625" (15.88mm) long Solid Copper SMT Post; 100% Tin over CDA 11000 | 0.625" (15.88mm) | 0.080" (2.03mm) | 0.140" ±0.010" (3.56mm ±0.254mm) | C | 25 Amperes |
| A4-680-0 | 0.080" (2.03mm) Dia x 0.680" (17.27mm) long Solid Copper SMT Post; 100% Tin over CDA 11000 | 0.680" (17.27mm) | 0.080" (2.03mm) | 0.140" ±0.010" (3.56mm ±0.254mm) | C | 25 Amperes |

Feeder System: Pin-Shooter SMT Loose Piece Feeder (Pin Shooter)

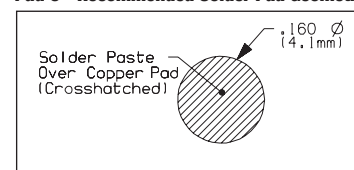
Pad A - Recommended Solder Pad Geometry



Pad B - Recommended Solder Pad Geometry



Pad C - Recommended Solder Pad Geometry



* Additional Pin
Lengths available
upon request.
Please consult
factory.

Features and Benefits

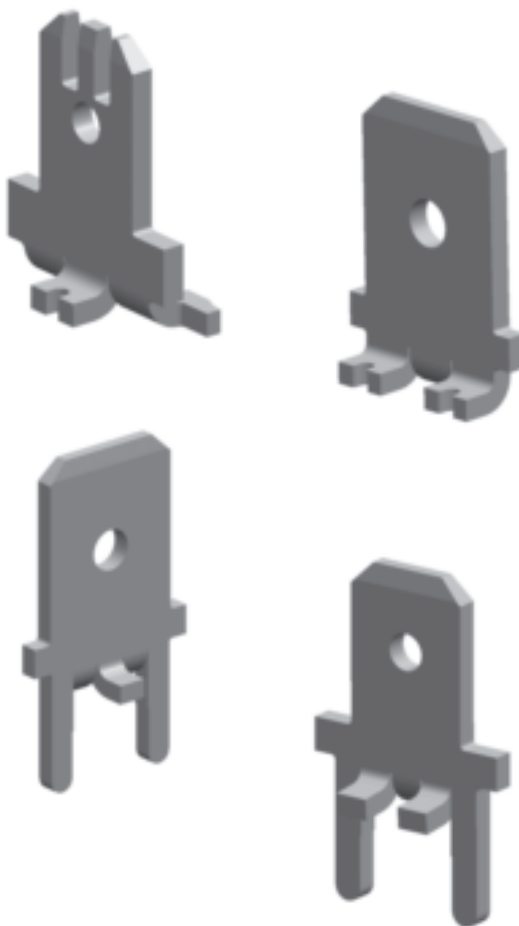
- Zierick Tabs / Quick Disconnects have high retention forces.
- The shoulder provides a stand-off for the mating part from the PCB.
- They retain typical through-hole Tab / Quick Disconnect features.
- They don't float during reflow.
- All are designed for automation using the customer's existing pick and place equipment and a special feeder, and require no time consuming hand placement or costly fixturing.
- Most Tabs can be automated using standard tape feeders.



Zierick's family of Surface Mount Tabs / Quick Disconnects is now easier than ever to use. They are supplied on reels for easy application by our Surf-Shooter SMT™ Continuous Strip Feeders, in loose piece for lower volumes, or in Surface Mount Tape Pockets. Any Tab which is available in Tape can be purchased in Small Reels for prototyping.

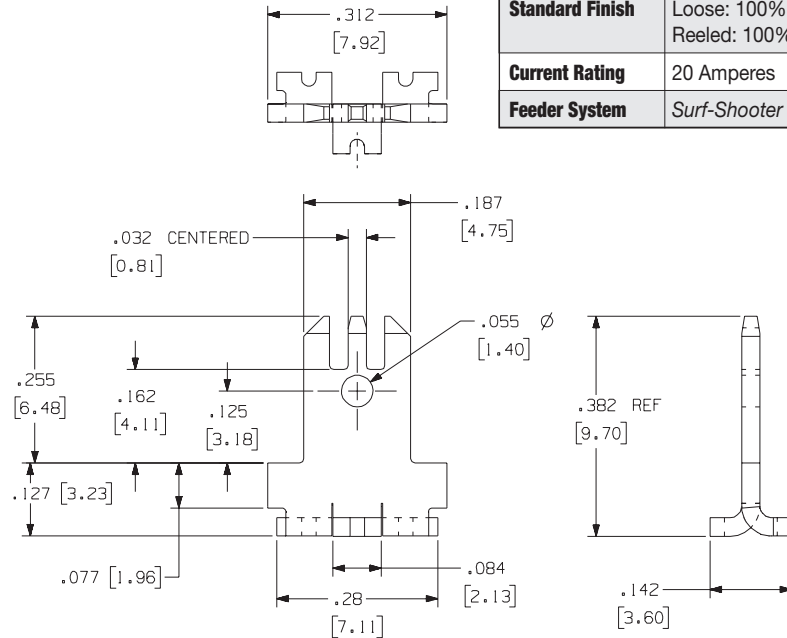
Many of our Surface Mount Tabs / Quick Disconnects have been designed for easy "gripper" pick-up from Tape Pockets, and can be placed by the customer's existing placement systems.

For other requirements, please consult Zierick.

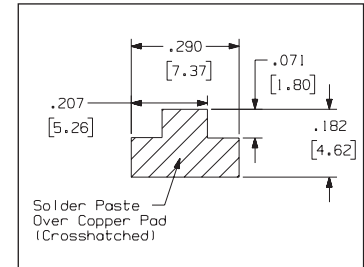


Part Number 1278

Zierick recommends .006" stencil thickness for most applications. For other stencil thicknesses, call Zierick's product development department.



| | |
|----------------------------------|---|
| Loose Part No. | 1278 |
| Hole Dimension | 0.055" (1.40mm) |
| Material Thickness / Type | 0.032" (0.81mm) Brass |
| Standard Finish | Loose: 100% Tin over Copper Reeled: 100% Tin over Copper |
| Current Rating | 20 Amperes |
| Feeder System | Surf-Shooter SMT™ Continuous Strip Feeder |

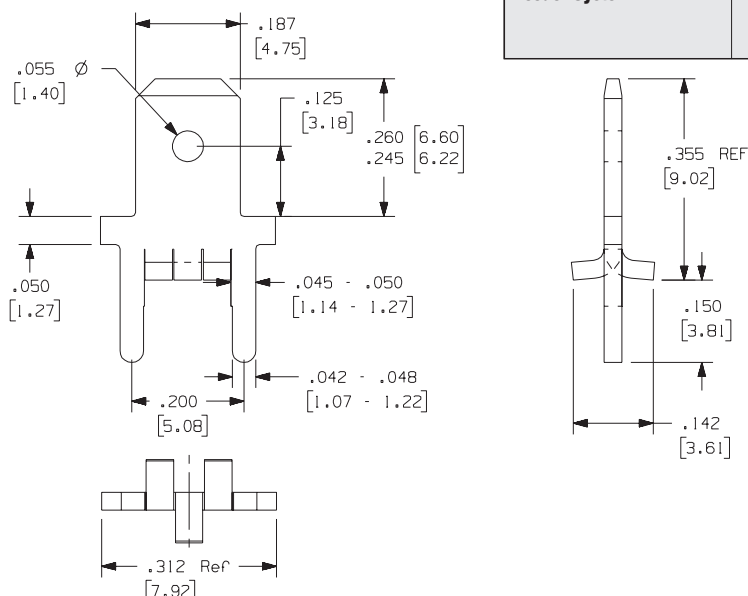
Recommended Solder Pad Geometry

Mating receptacle first withdrawal force may not exceed the UL310 spec. of 18 lbs. max.

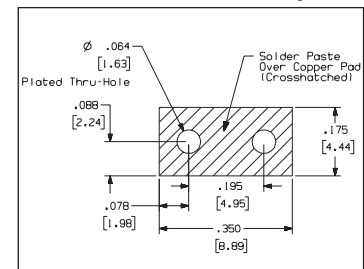
A 2oz. PCB Copper trace recommended.

Part Number 6291

Zierick recommends .006" stencil thickness for most applications. For other stencil thicknesses, call Zierick's product development department.

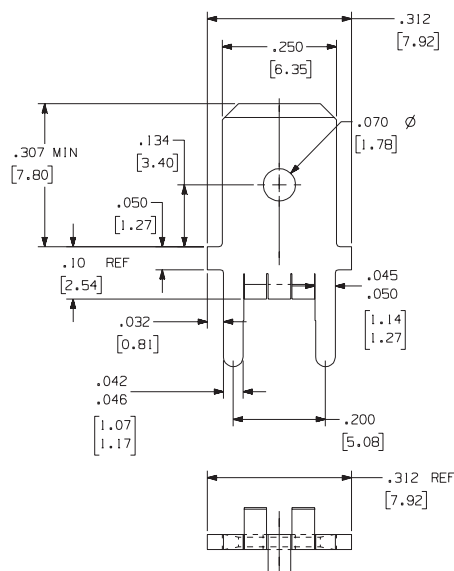


| | |
|----------------------------------|--|
| Loose Part No. | N/A |
| Reeled | 6291 |
| Hole Dimension | 0.055" (1.408mm) hole |
| Material Thickness / Type | 0.032" (0.81mm) Brass |
| Standard Finish | 100% Tin over Copper |
| Current Rating | 25 Amperes |
| Feeder System | Surf-Shooter SMT™ Continuous Strip Feeder Model 9700 Model 9700 XY |

Recommended Solder Pad Geometry

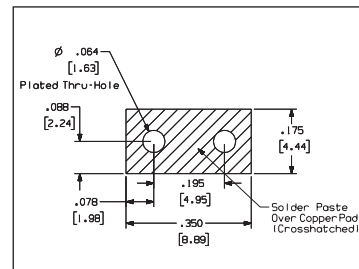
Part Number 6284

Zierick recommends .006" stencil thickness for most applications. For other stencil thicknesses, call Zierick's product development department.



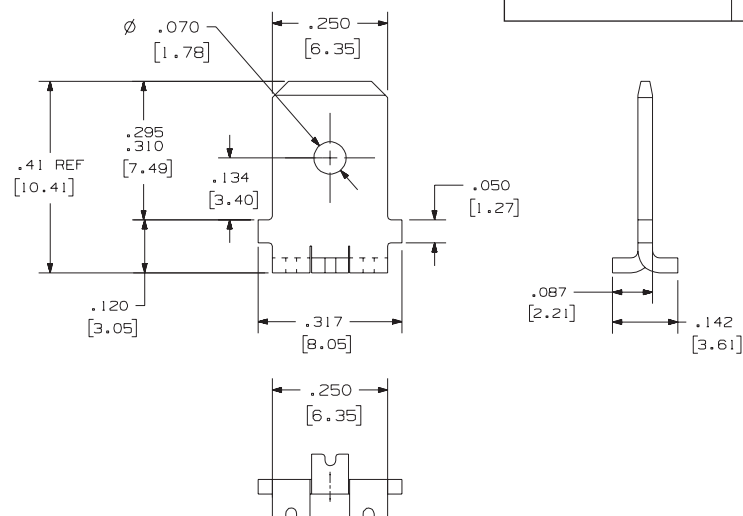
| | |
|----------------------------------|--|
| Loose Part No. | N/A |
| Reeled | 6284 |
| Hole Dimension | 0.070" (1.78mm) hole |
| Material Thickness / Type | 0.032" (0.81mm) Brass |
| Standard Finish | 100% Tin over Copper |
| Current Rating | 25 Amperes |
| Feeder System | Surf-Shooter SMT™ Continuous Strip Feeder Model 9700 Model 9700 XY |

Recommended Solder Pad Geometry



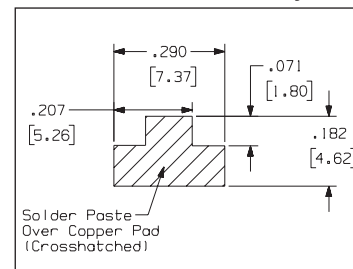
Part Numbers 1285, 6285, 1285TG, 1285TG-SR

Zierick recommends .006" stencil thickness for most applications. For other stencil thicknesses, call Zierick's product development department.



| | | |
|---------------------------|--|-----------|
| Loose Part No. | 1285 | |
| Strip | 6285 | |
| Taped | 1285TG | 1285TG-SR |
| Hole Dimension | 0.070" (1.78mm) hole | |
| Material Thickness / Type | 0.032" (0.81mm) Brass | |
| Standard Finish | 100% Tin over Copper | |
| Current Rating | 25 Amperes | |
| Feeder System | Surf-Shooter SMT™ Continuous Strip Feeder for PN 6285 Standard 24mm Tape Feeder for PN 1285TG | |

Recommended Solder Pad Geometry



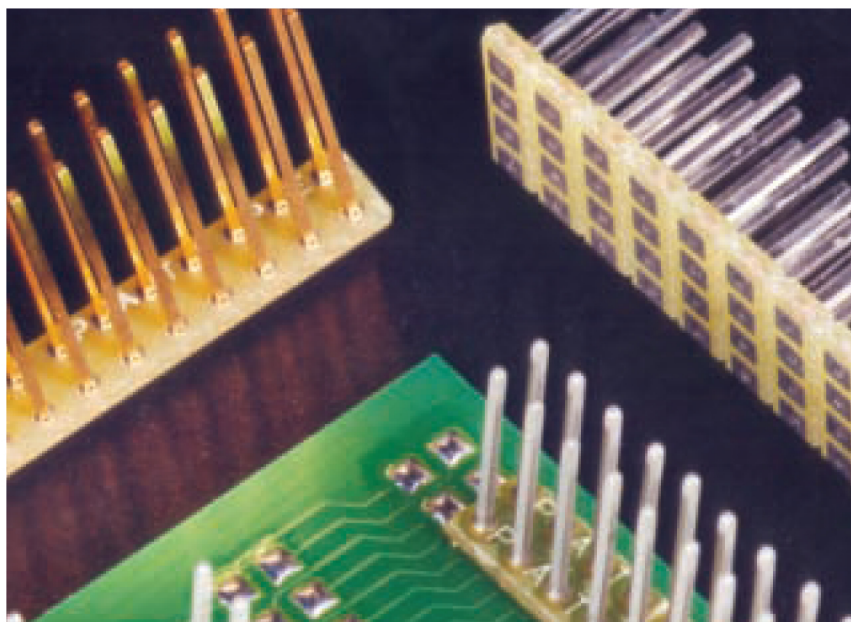
Mating receptacle first withdrawal force may not exceed the UL310 spec. of 18 lbs. max.

A 2oz. PCB Copper trace recommended.

Features and Benefits

- Co-planarity problems are eliminated.
- Minimal real estate is required on the board.
- They have 50% higher pin retention force.
- Optional configurations are available.
- Single Row, Double Row, Horizontal, and Matrix versions are available.
- They allow more forgiving board placement tolerances.
- A visual indicator assures quality processing.
- They are resistant to thermal shock and thermal cycling due to similarity of materials.

Zierick's unique header assembly features capillary action to improve solder joint strength and to reduce the component footprint on the PCB. As a result, pin retention forces are 50% higher than that of J-Lead type headers. As the capillary action draws the solder, it pulls the header assembly tightly to the PCB. At the same time, co-planarity problems are eliminated because the force generated by the capillary action also pulls the header into proper position over

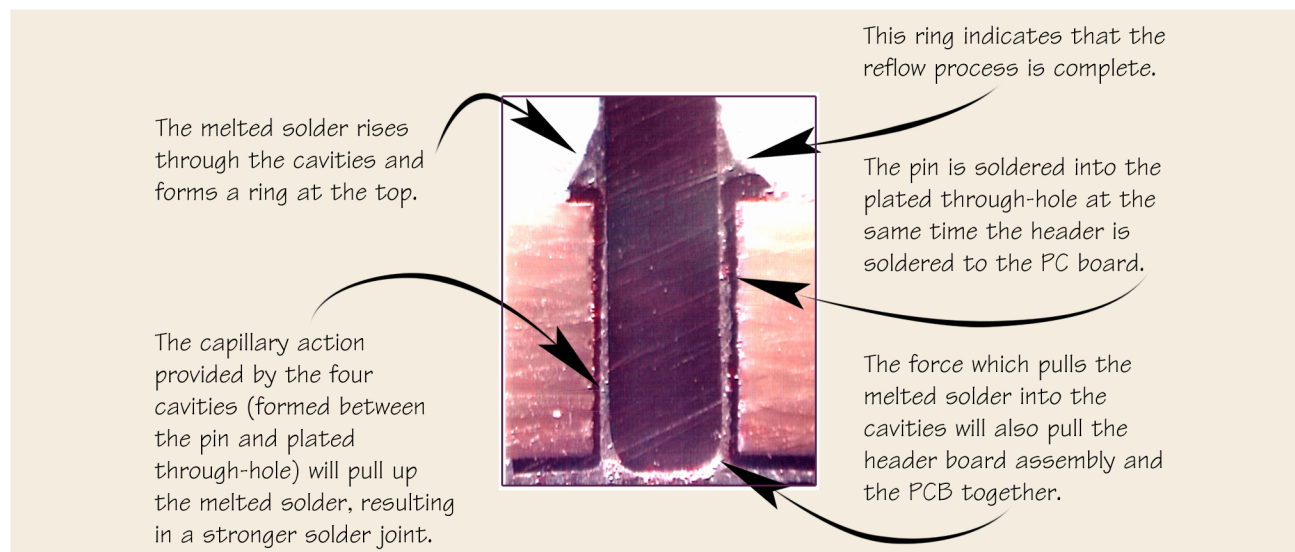


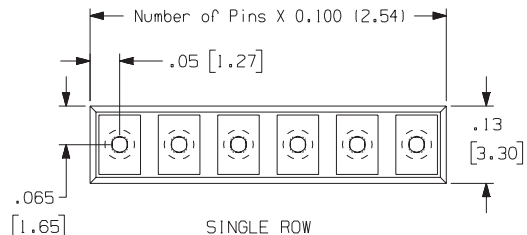
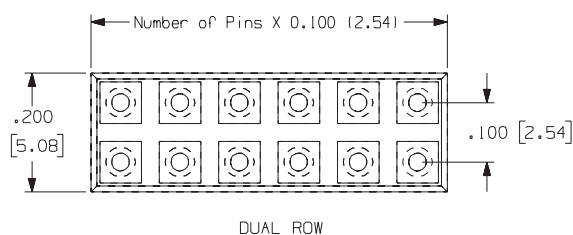
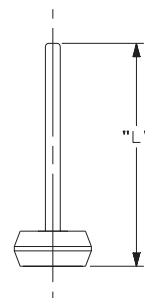
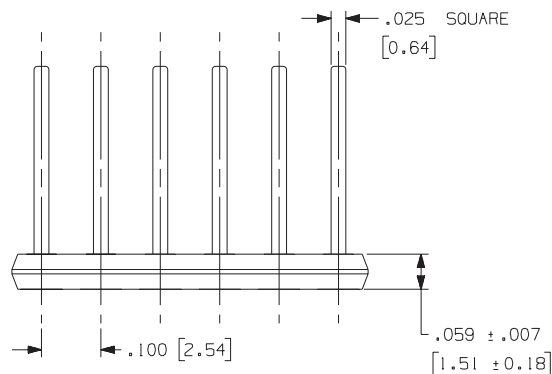
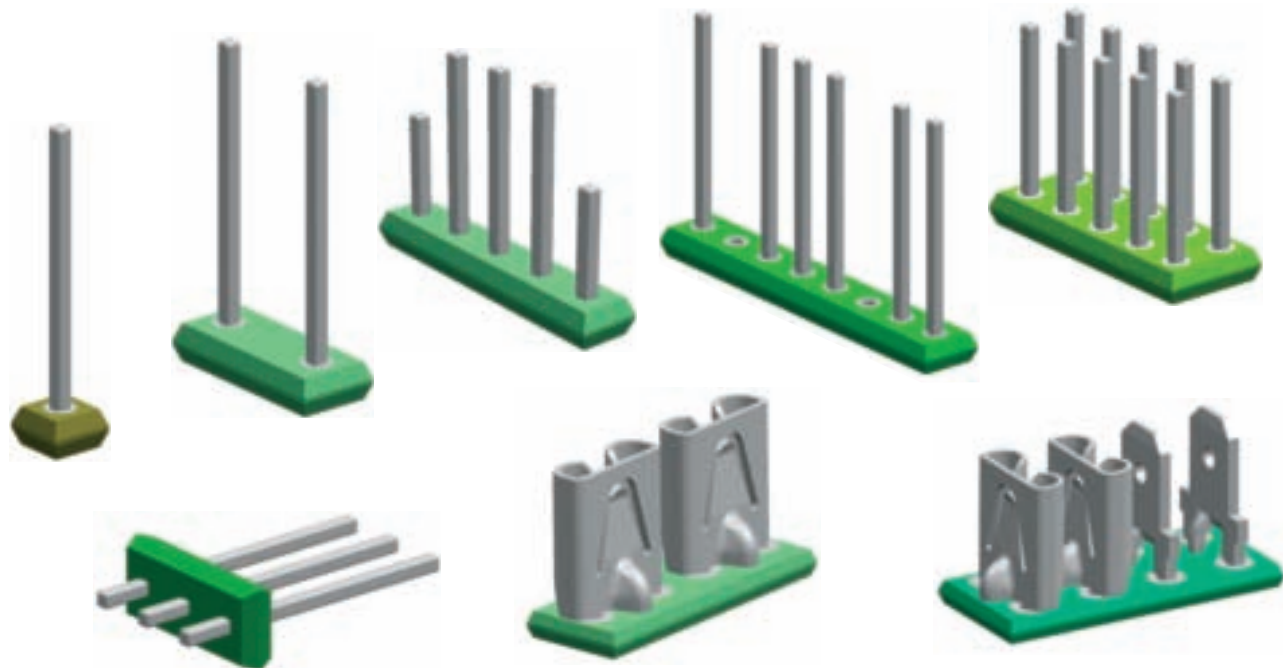
the solder pad, even if the part has been placed off-center.

A circular solder pad on top of the board and a square solder pad on the bottom are connected to the conductive wall of the plated through-hole. The size of the hole is such that it holds the square pin in place, yet leaves four cavities defined by the flat sides of the pin and the curved wall of the hole. These cavities promote capillary action by drawing most of the melted solder up through the cavities where it forms a ring at

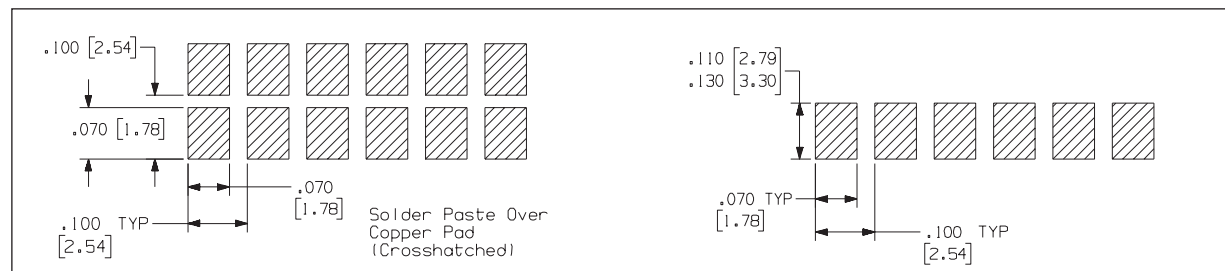
the top side of the header assembly board. This solder ring is a visual indication that the reflow process is perfect and complete.

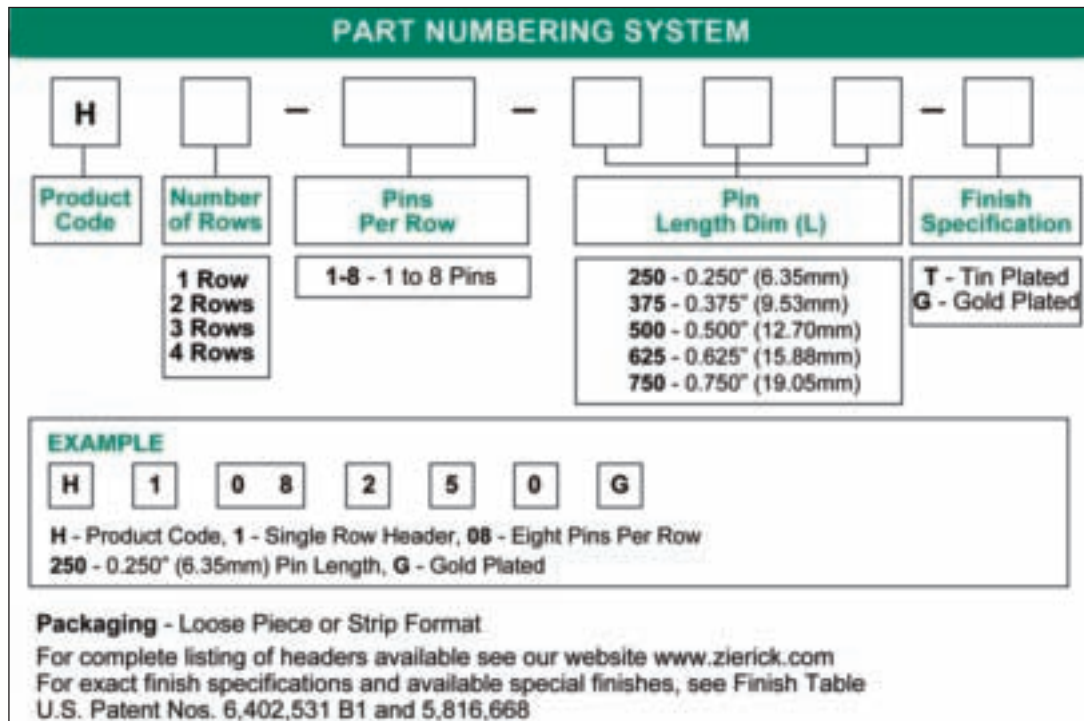
Further, because the header base is made of the same material as the PCB, there are no thermally induced stresses on the solder joint. Long-term reliability is assured. In addition, deep score lines run across both sides of the header base. The assembly is very flexible and can accommodate board warpage without weakening connections.





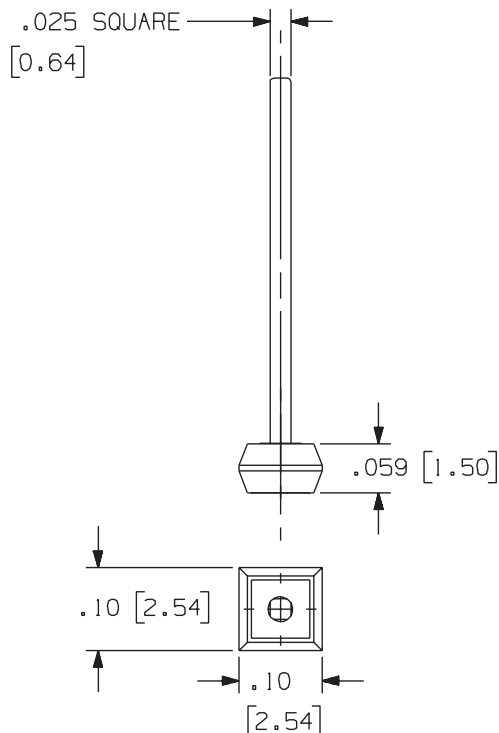
Recommended Solder Pad Geometry



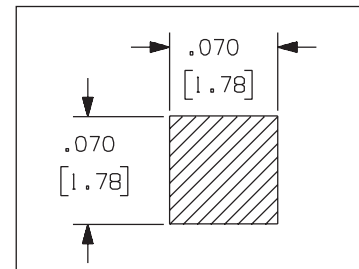


See available Part Numbers at www.zierick.com

SMT One Pin Headers

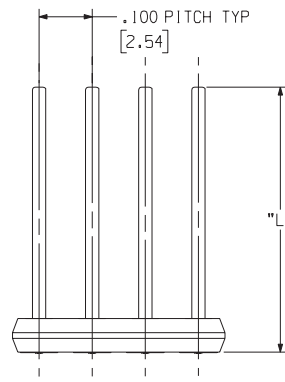
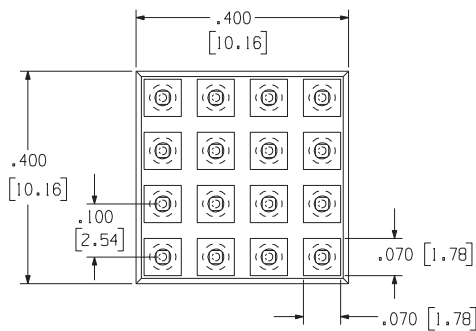
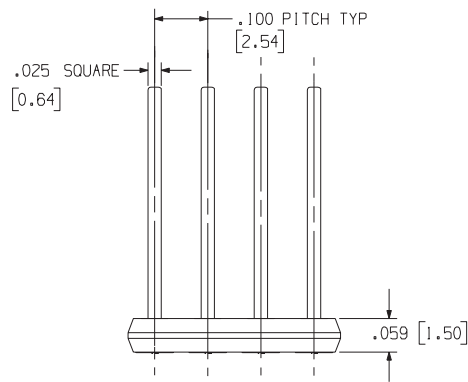


Recommended Solder Pad Geometry

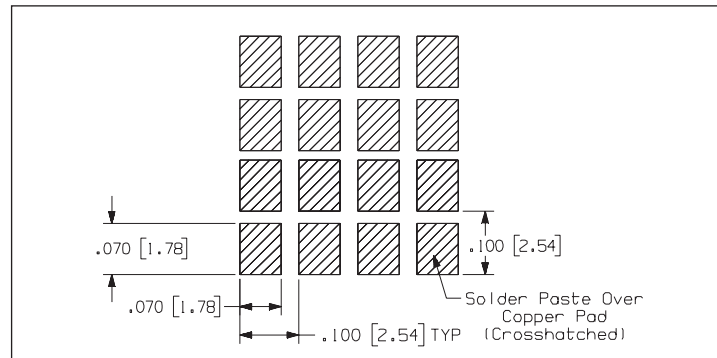


See available Part Numbers at www.zierick.com

14 SMT Matrix Pin Headers

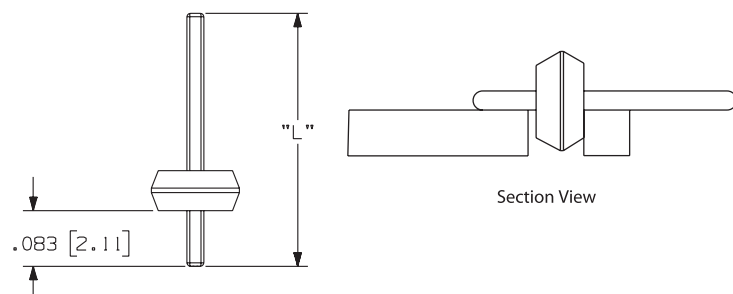
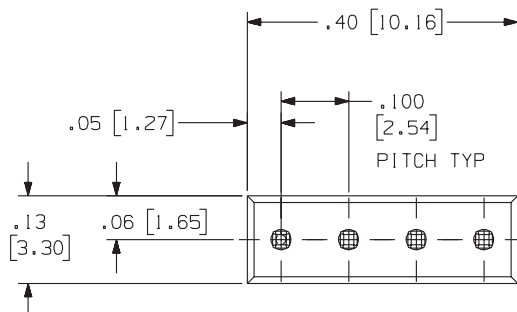
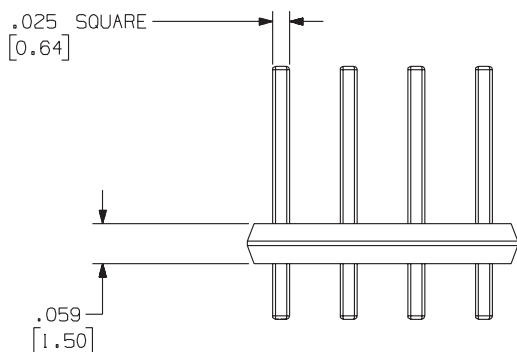


Recommended Solder Pad Geometry

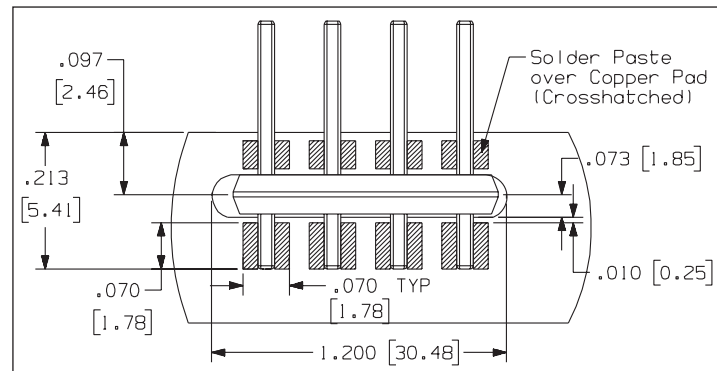


See available Part Numbers at www.zierick.com

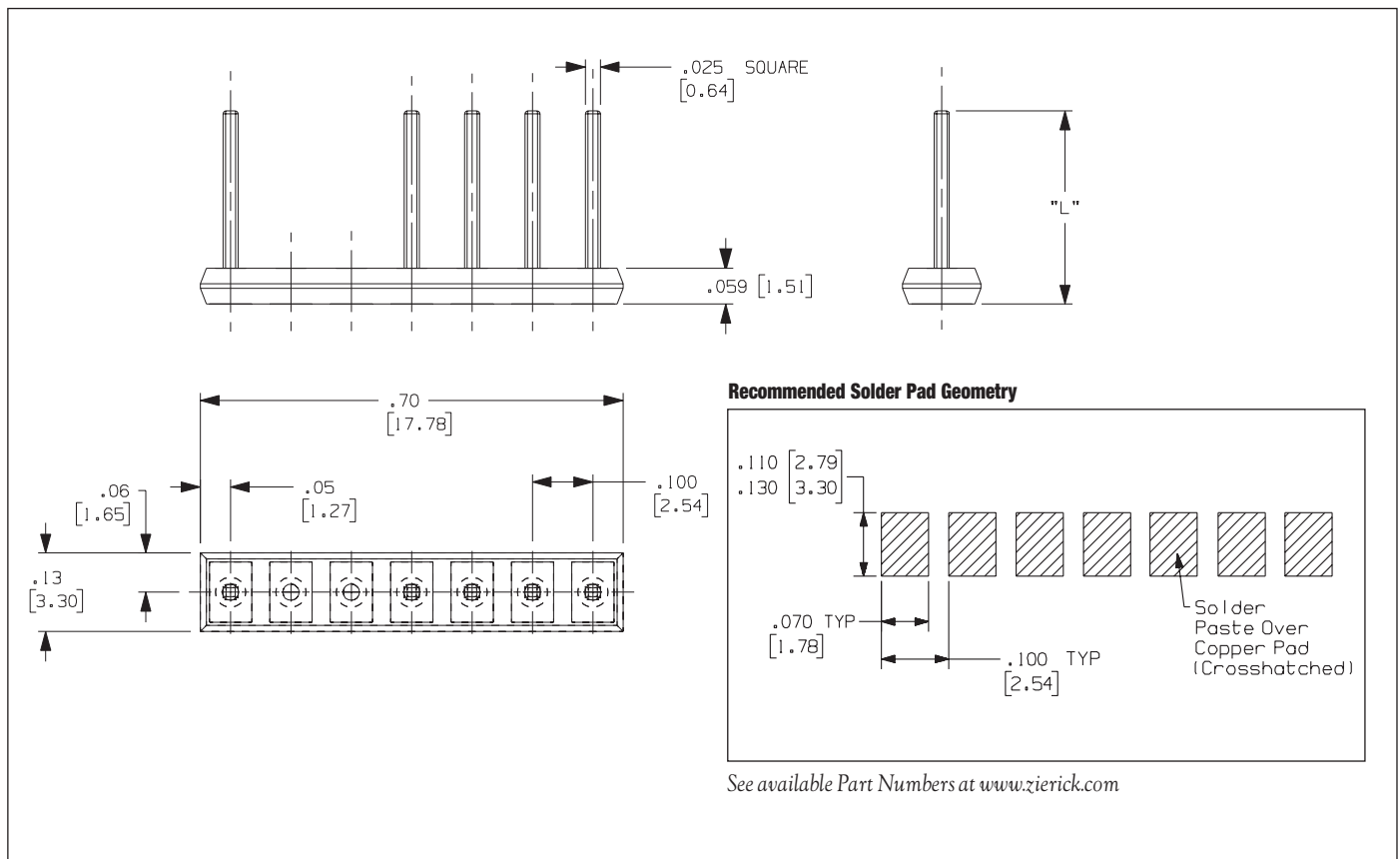
SMT Horizontal Pin Headers



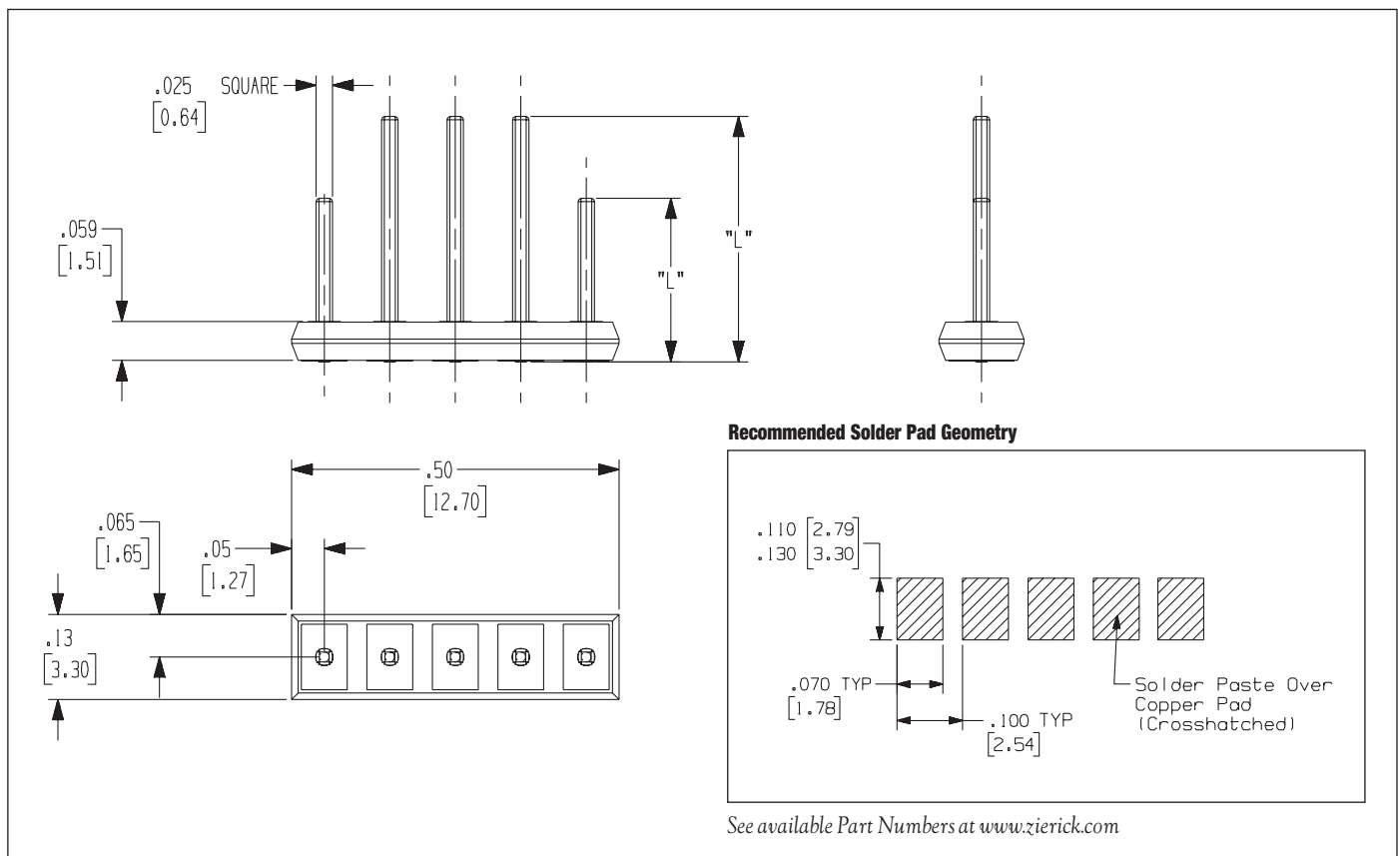
Recommended Solder Pad Geometry



See available Part Numbers at www.zierick.com

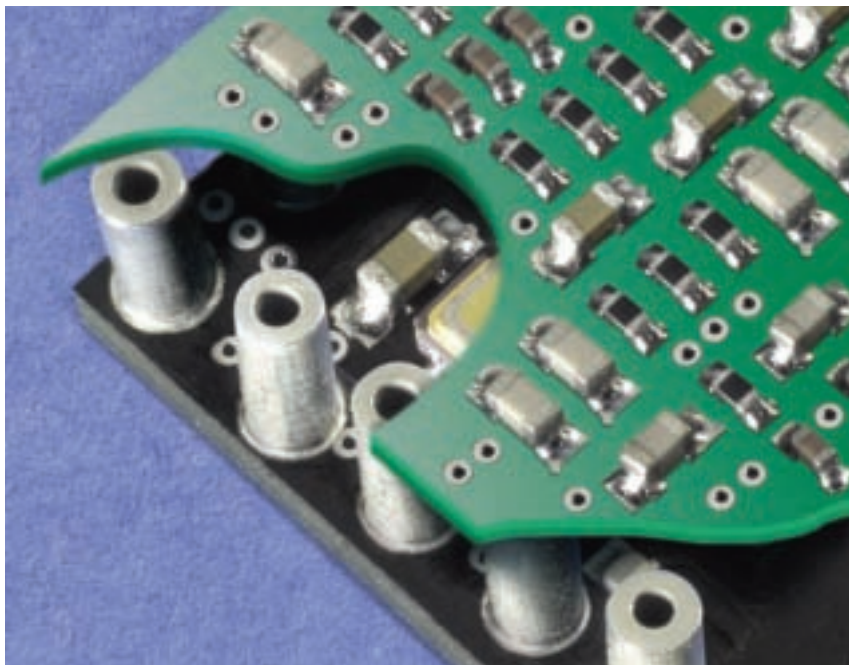


SMT Variable Length Headers



Features and Benefits

- Connectors can be made to different lengths and diameters.
- Self-centering and alignment problems are eliminated.
- Co-planarity is within .001 inch.
- The solder connection and joint strength is superior.
- Parts are available in bulk, pallets or SMT tape.
- The parts are designed for automation using the customer's existing pick and place equipment and a special feeder – no time consuming hand placement or costly fixturing is required.

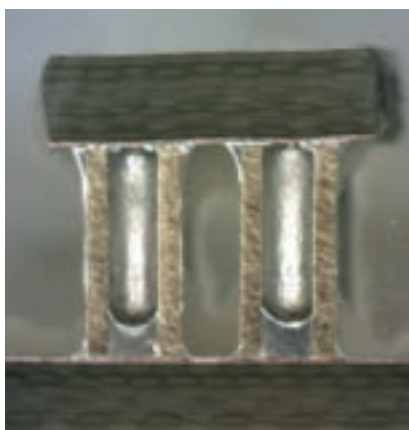


Zierick's Board Stacking Connector allows for more PCB design flexibility and more room for additional components.

Zierick has applied the benefits of capillary action to our Board Stacking Connector. This unique connector surface mounts to both the bottom and the top of a PCB, allowing for the connection of a mother and daughter board without through-hole pins. The result is greater PCB design flexibility, more cost-efficiency and a higher quality connection.

Available in bulk or on SMT tape, the Board Stacking Connectors use minimal real estate, allowing additional components to be placed on the PCB. They are self-centering and offer co-planarity within 0.001", virtually eliminating any alignment problems. Plus, they have low contact resistance and a high current rating to meet today's modular power requirements.

The Board Stacking Connector uses capillary action to provide superior solder joint strength for a more reliable connection. The connectors are first surface-mounted to the mother board. After reflow the PCB with the connectors are surface-mounted to the daughter board.

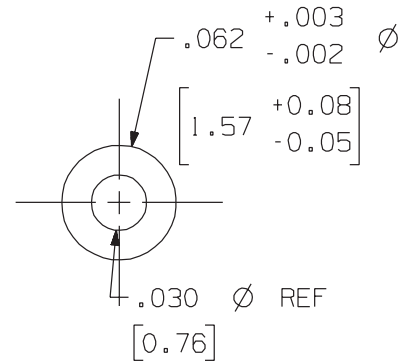
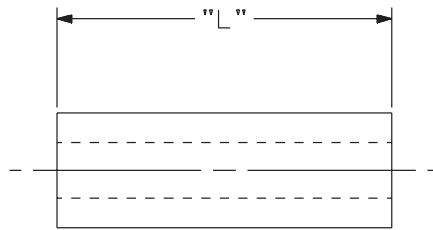
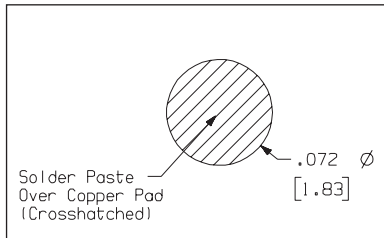
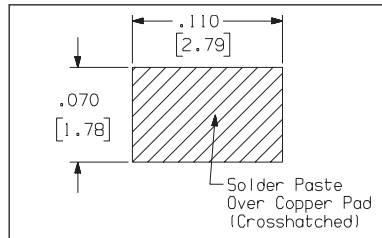
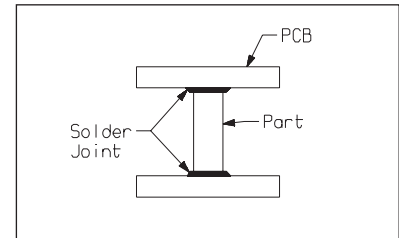


The Board Stacking Connector joins the mother and daughter board with surface mount technology on both boards.

Part Numbers

1258-090-0, 1258-090-0-TH
1258-090-0-TH-SR,
1258-100-0, 1258-118-0,
1258-118-0-T, 1258-140-0,
1258-157-0, 1258-181-0
1258-197-0, 1258-236-0

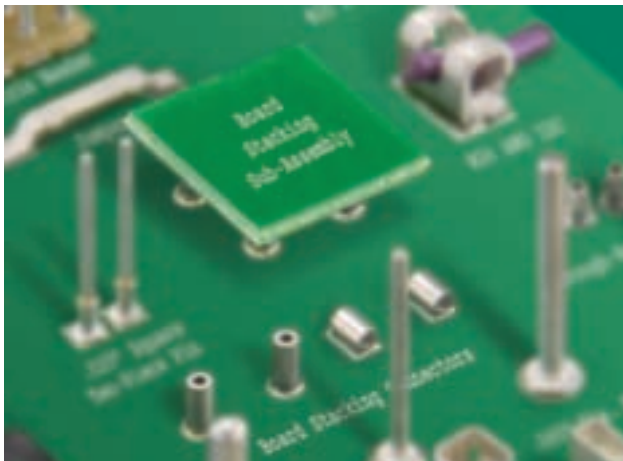
Zierick recommends .006" stencil thickness for most applications. For other stencil thicknesses, call Zierick's product development department.

**Recommended Solder Pad Geometry for Vertical Placement****Recommended Solder Pad Geometry for Horizontal Placement****SMT Application**

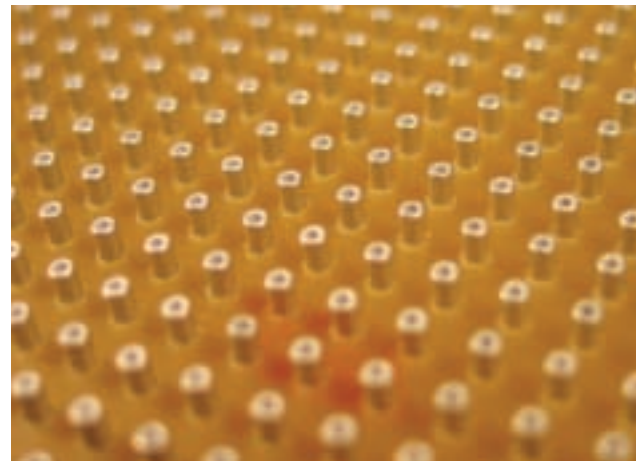
| Loose Part No. | 1258-090-0 | 1258-100-0 | 1258-118-0 | 1258-140-0 | 1258-157-0 | 1258-181-0 | 1258-197-0 | 1258-236-0 |
|-----------------------------|--|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| Taped Part No. | 1258-090-0-TH 1258-090-0-TH-SR | n/a | 1258-118-0-T | n/a | n/a | n/a | n/a | n/a |
| Dimensions | .062 x .090 long cylinder | .062 x .100 long cylinder | .062 x .118 long cylinder | .062 x .140 long cylinder | .062 x .157 long cylinder | .062 x .181 long cylinder | .062 x .197 long cylinder | .062 x .236 long cylinder |
| Finish Material | .000150" Min 100% Tin over .000100" Copper | | | | | | | |
| Contact Material | C36000 Brass Cylinder Consult factory for optional materials. | | | | | | | |
| Termination Retention Force | 3.5 lbs per terminal | | | | | | | |
| Current Rating | 10 Amperes | | | | | | | |

Other lengths may be available. Please consult factory.

Sample Board

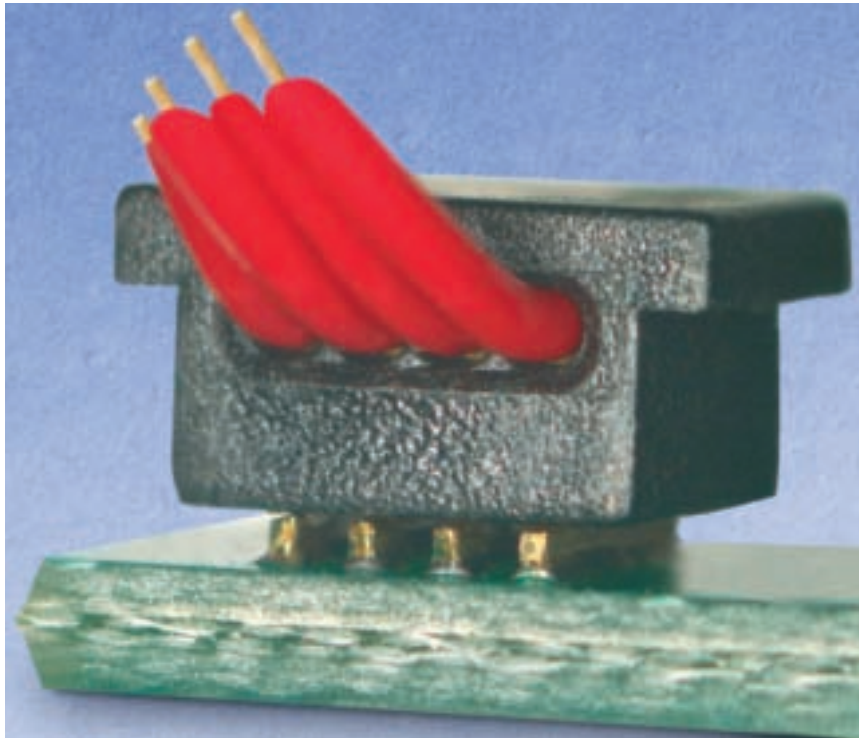


Board Stacking Connectors in Trays



Features and Benefits

- This product features four wire housing holes and four individual piercing blades that can accommodate from 32 to 26 AWG solid, stranded, or tinsel wire.
- It eliminates the need to solder wires to the PCB.
- Four wires can be terminated simultaneously without being stripped first.
- A more durable wire connection is assured.
- The Fine Wire Connector uses minimal PCB real estate.
- The plastic housing resists high reflow temperatures and provides excellent wire protection.
- It can be automatically fed using standard tape and reel.



Another product in Zierick's growing line of insulation piercing connectors is the Surface Mount Fine Wire Connector. This connector offers a cost-efficient, reliable solution for solid, stranded or tinsel wire terminations. By allowing reliable one-step multiple wire termination within a plastic housing, the connector reduces assembly costs and provides a more durable wire connection.

Design

Zierick's Fine Wire Connector design builds on Insulation Piercing Connector (IPC) technology, which is the ideal method for wire termination. IPC technology allows multiple wires to be terminated simultaneously without being stripped first. This fine wire IPC connector features

a unique design of four wire housing holes and four individual piercing blades that can accommodate solid, stranded or tinsel wire. The piercing blades are made to go in one direction only and maintain a continuous force on each wire. Its durable plastic housing provides excellent wire retention.

Assembly Process

First, these IPC connectors are surface mounted to the PCB. After reflow, the insulated wires are inserted into the holes of the housing. Force is then applied to the top of the plastic housing and the piercing blades cut through the insulation and penetrate into the wire core—completing the wire connection process.

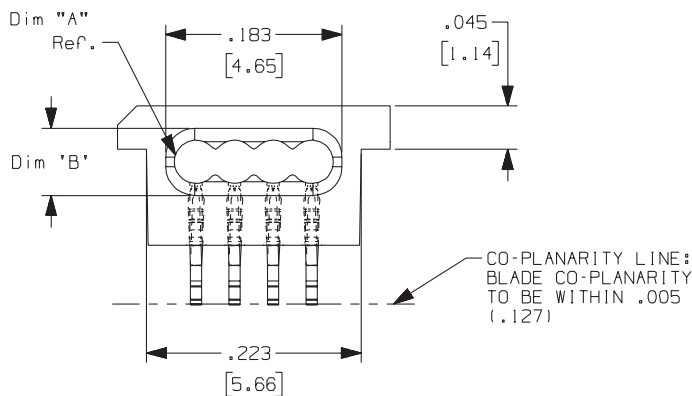
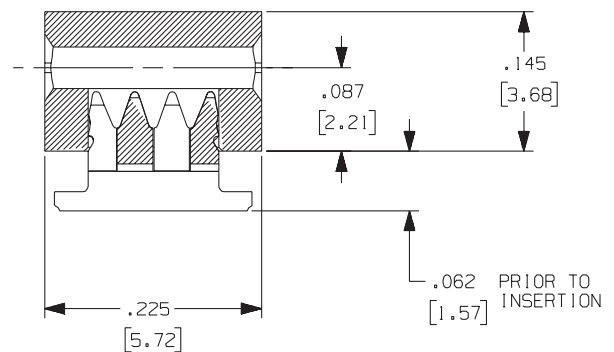
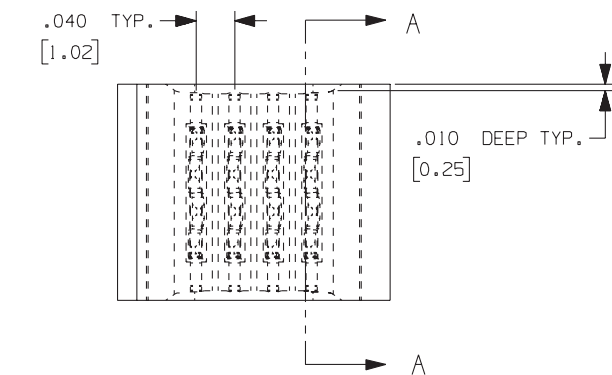


Zierick's Fine Wire Connectors can efficiently terminate a number of wires all at once. The reliability of the connector assures wire retention and eliminates the need to solder wires directly to the PCB. The piercing blades accommodate solid, stranded or tinsel wire, and are designed to maintain a continuous force on each wire.

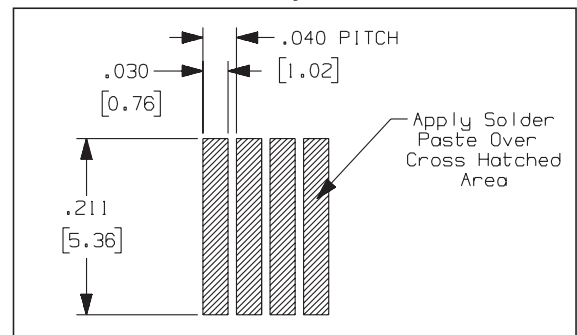
Part Numbers
IPC-4-35, IPC-4-35-T,
IPC-4-35-T-SR,
IPC-4-45, IPC-4-45-T,
IPC-4-45-T-SR

Zierick recommends .006" stencil thickness for most applications. For other stencil thicknesses, call Zierick's product development department.

| | Physical | |
|---------------------------------|---|---|
| Loose Part No. | IPC-4-35 | IPC-4-45 |
| Taped Part No. | IPC-4-35-T | IPC-4-45-T |
| Small Reel Part No. | IPC-4-35-T-SR | IPC-4-45-T-SR |
| Wire Accommodation | From 32 AWG to 28 AWG solid, stranded or tinsel wire; with insulation diameter of 0.025" - 0.032" | From 32 AWG to 26 AWG solid, stranded or tinsel wire; with insulation diameter of 0.033" - 0.043" IPC-4-45 has an ID chamfer in the plastic housing. |
| Contact Plating | 0.000150" Min 100% Tin over .000100 Min Copper | |
| Termination Force | Approx. 80 lbs (for 4 wire) | |
| Insulation Material | PPS GS-40 40% glass filled | |
| Contact Material | CDA 260 Brass | |
| UL Flammability Rating | 94V-0 | |
| | Electrical | |
| Current Rating/Wire Size | 28 AWG 2 Amp., 30-32 AWG 2 Amp. | |
| Insulation Resistance | > 1 x 10 ⁹ Ω @ 500 VDC | |
| Contact Resistance | < 20 mΩ | |
| Withstanding Voltage | 500 VRMS @ Sea Level | |
| | Environmental | |
| Reflow Temperature | 500°F Max, 260°C Max | |
| Operating Temperature | -67°F to 221°F, (-55°C to 105°C) | |
| | U.S. Patent No. 7,320,616 | |



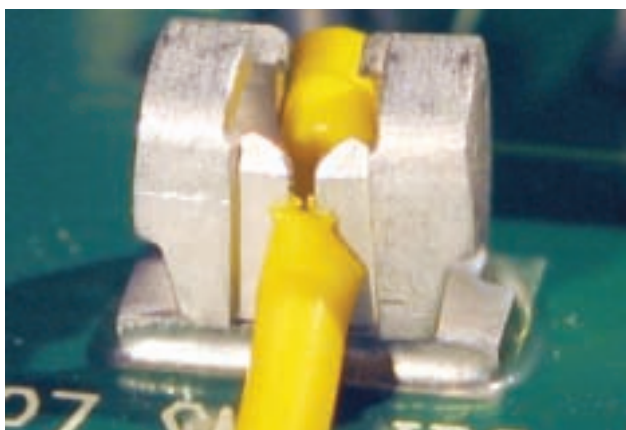
Recommended Solder Pad Geometry



Features and Benefits

- IDCs are designed for demanding applications with shock, vibration, and elevated temperatures.
- The need for hand soldering wires to the board is eliminated.
- They are a surface mount version of a proven through-hole IDC.
- They have a low profile.
- They terminate a large range of wire gauges.
- IDCs don't float during reflow.
- Zierick's IDCs are designed for automation using the customer's existing pick and place equipment and a standard tape feeder.

Zierick's Surface Mount IDC was designed to be a more cost effective way to terminate a wire because it eliminates the need for hand



soldering wires to the PCB. It was also designed to be automated by the customer's existing pick and place equipment using standard taping methods. This is a surface mount version of a proven through-hole connector. It is re-usable, has a low profile, and is geographically stable. Our family of SMT IDCs can terminate a large range of stranded or solid wire gauges.

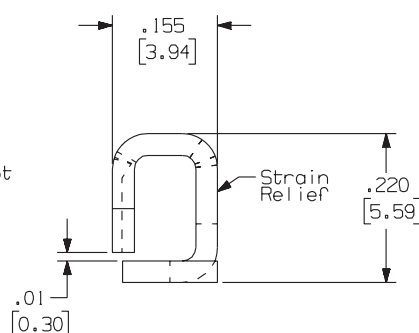
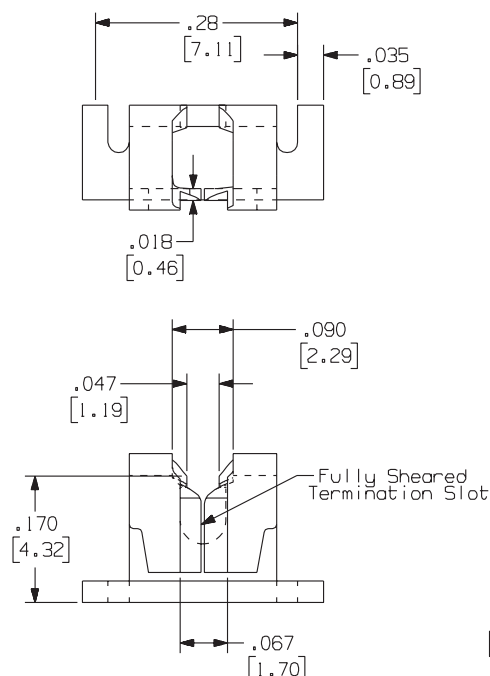
It has a proven track record for withstanding shock and vibrations associated with automotive applications.

The Reverse Mount IDC was designed for through-board applications where the wires must be connected on the side opposite the other components on the PCB.

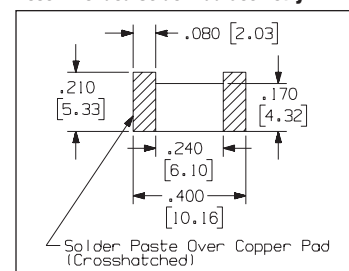
Part Numbers 1227, 6227

Zierick recommends .006" stencil thickness for most applications. For other stencil thicknesses, call Zierick's product development department.

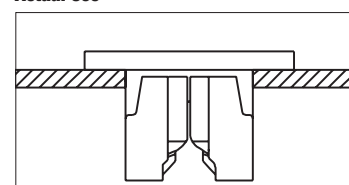
| | |
|----------------------------------|---|
| Loose Part No. | 1227 |
| Reeled Part No. | 6227 |
| Material Thickness / Type | 0.032" (0.81mm) Brass |
| Standard Finish | 100% Tin over Copper |
| Current Rating | 20 Amperes |
| Feeder System | Surf-Shooter SMT™ Continuous Strip Feeder |
| Wire Gauge Range | #26-18 AWG Wire insertion tool required. Consult factory. |
| | U.S. Patent No. 5,695,348 and other international patents |



Recommended Solder Pad Geometry

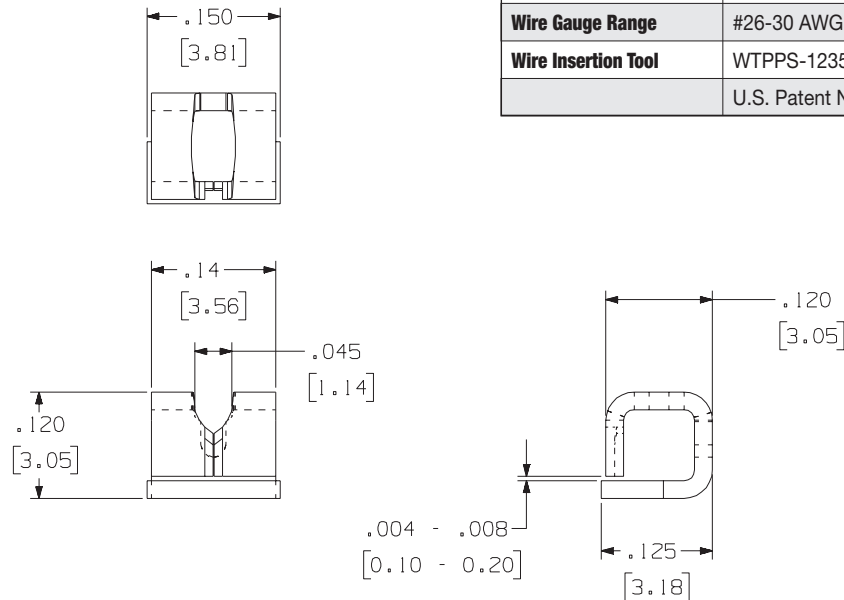


Actual Use



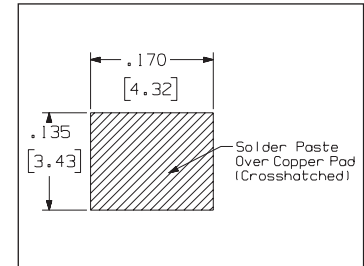
Part Numbers 1235, 1235T, 1235T-SR

Zierick recommends .006" stencil thickness for most applications. For other stencil thicknesses, call Zierick's product development department.



| | | |
|----------------------------------|---|---------------------------|
| Loose Part No. | 1235 | |
| Taped Part No. | 1235T | 1235T-SR |
| Material Thickness / Type | 0.020" (0.51mm) Brass | |
| Standard Finish | 100% Tin over Copper | |
| Current Rating | 20 Amperes | |
| Feeder System | N/A | Standard 12mm Tape Feeder |
| Wire Gauge Range | #26-30 AWG | |
| Wire Insertion Tool | WTPPS-1235-1: Pneumatic Production Tool | |
| | U.S. Patent No. 5,695,348 and other international patents | |

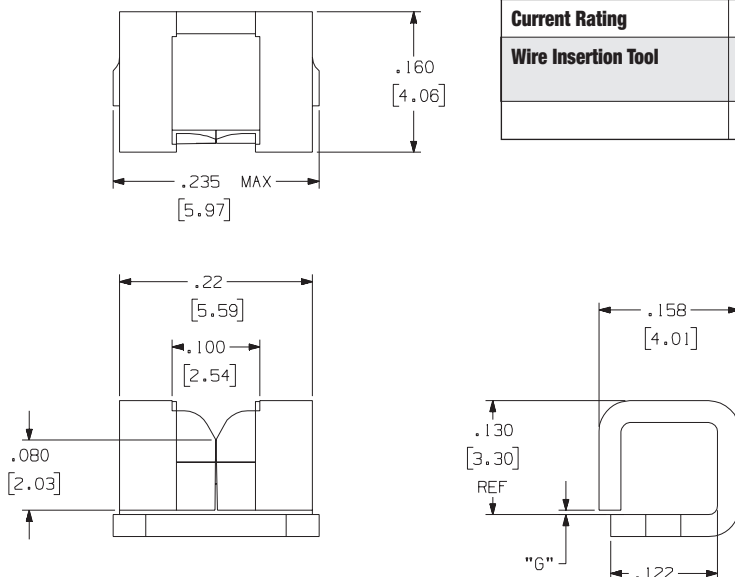
Recommended Solder Pad Geometry



For drawings of our taped parts, please search for this part number on our website, www.zierick.com.

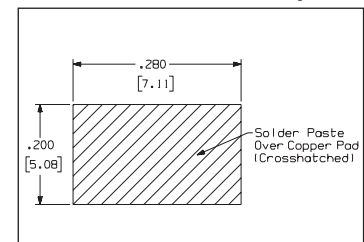
Part Numbers 1245, 1245T, 1245T-SR, 1296, 1296T

Zierick recommends .006" stencil thickness for most applications. For other stencil thicknesses, call Zierick's product development department.



| | | |
|----------------------------------|---|--------------------------------|
| Loose Part No. | 1245 | 1296 |
| Taped Part No. | 1245T | 1245T-SR |
| Gap Dimension "G" | 0.005" (0.13mm) | 0.005 - 0.013" (0.13 - 0.33mm) |
| Material Thickness / Type | 0.025" (0.64mm) Brass | |
| Standard Finish | 100% Tin over Copper | |
| Feeder System | Standard 12mm Tape Feeder | |
| Wire Gauge Range | #26-18 AWG | |
| Current Rating | 10 Amperes | |
| Wire Insertion Tool | WTP-4ALL: Prototype Tool WTPPS-1208-1: Pneumatic Production Tool | |
| | U.S. Patent No. 5,695,348 and other international patents | |

Recommended Solder Pad Geometry



For drawings of our taped parts, please search for this part number on our website, www.zierick.com.

Features and Benefits

- This Zierick product is the most economical way to terminate wire to a surface mount board.
- It has a very small footprint.
- It is capable of carrying high current.
- No separate strain relief is required.
- It has a high resistance to wire flexing and axial and radial pull forces.
- It lends itself to high speed automated termination.
- Designed to be bulk fed with a special feeder, thus eliminating the need for costly taping.
- It is also available in taped format for low volume users.



This method of termination combines the advantages of crimping, insulation piercing, and surface mount technology into a highly reliable and economical way to terminate wires. The system consists of a surface mount terminal and a crimping machine which makes the termination.

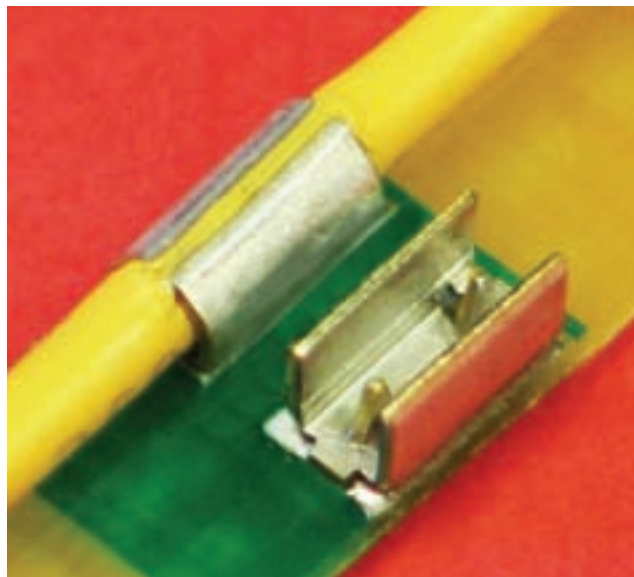
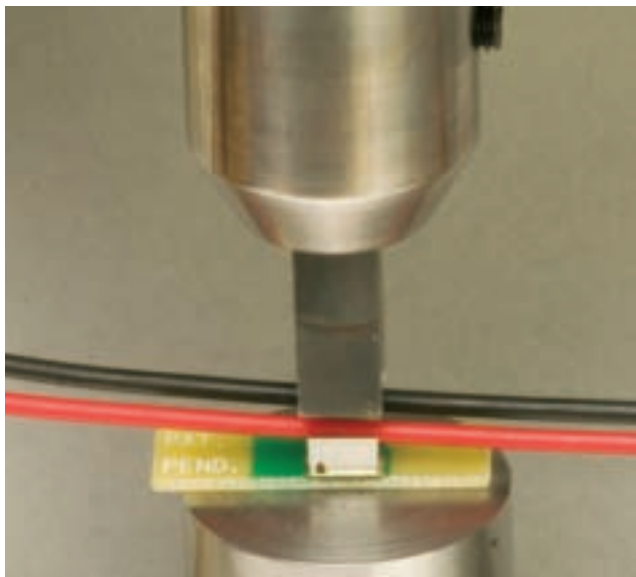
The terminal has a flat base and two side walls perpendicular to the base. Two insulation piercing

contact spikes protrude from the flat base. Between the contact spikes there is a flat area to facilitate vacuum pick-up and terminal placement. There are two deep score lines near the transition area between the side wall and the base of the terminal.

Compared to conventional methods, this system is less expensive than a two piece pin/socket connection or an IDC (*insulation displacement*

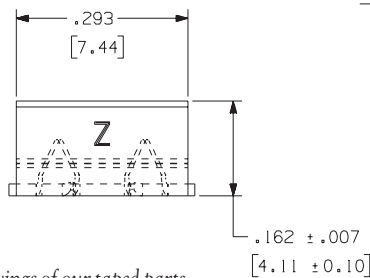
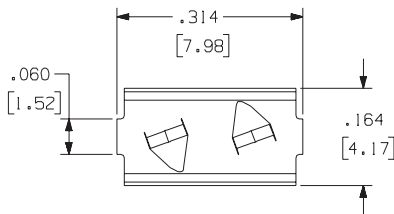
connector) type of connection which provides strain relief. It is also more cost effective than soldering wires to a board by hand. In comparison, it also takes up very little area on the pcb.

The utilization of well proven crimping and insulation piercing technology guarantees the long term reliability of this connection.



Part Numbers 1293, 1293T, 1293T-SR

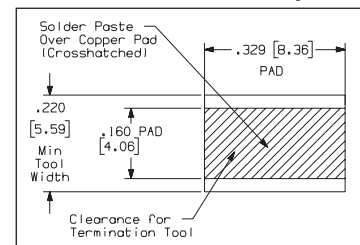
Zierick recommends .006" stencil thickness for most applications. For other stencil thicknesses, call Zierick's product development department.



For drawings of our taped parts, please search for this part number on our website, www.zierick.com.

| | | | |
|---------------------------------------|---|----------|----------|
| Loose Part No. | 1293 | | |
| Taped Part No. | 1293T | | |
| Small Reel Part No. | 1293T-SR | | |
| Wire Sizes (For Stranded Wire) | 12 AWG | 14 AWG | 16 AWG |
| (Insulation Outside Diameter) | .125 in. | .111 in. | .130 in. |
| Material Thickness / Type | 0.020" (0.51mm) Pre-Plated Brass | | |
| Standard Finish | Pre-finished 100% Matte Tin over Copper. Edges will be bare. | | |
| Feeder System | Standard 16mm Tape Feeder for PN 1293T | | |
| Crimping System | Mini Press (for high volume applications) Versa-Crimp (for low volume applications) WTC-1293-1 (for low volume and/or field terminations) | | |
| | U.S. Patent No. 7,591,666 B2 and other U.S. and international patents | | |

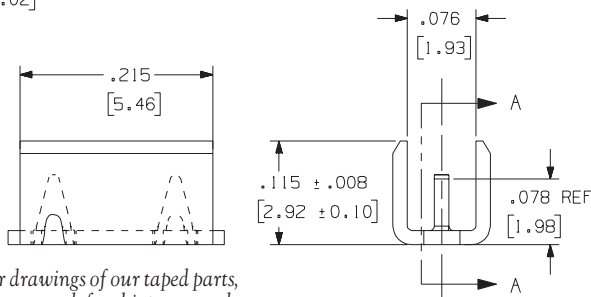
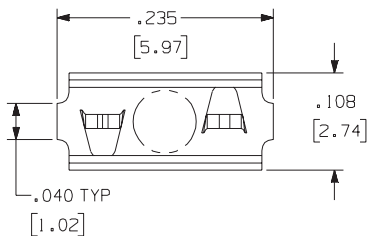
Recommended Solder Pad Geometry



Note: For side by side placement consult factory for center-to-center spacing.

Part Numbers 1286, 1286T, 1286T-SR

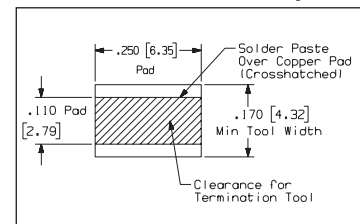
Zierick recommends .006" stencil thickness for most applications. For other stencil thicknesses, call Zierick's product development department.



For drawings of our taped parts, please search for this part number on our website, www.zierick.com.

| | | | | | | |
|---------------------------------------|---|----------|----------|----------|----------|----------|
| Loose Part No. | 1286 | | | | | |
| Taped Part No. | 1286T | | | | | |
| Small Reel Part No. | 1286T-SR | | | | | |
| Wire Sizes (For Stranded Wire) | 16 AWG | 18 AWG | 20 AWG | | | |
| (Insulation Outside Diameter) | .077 in. | .068 in. | .078 in. | .080 in. | .068 in. | .073 in. |
| Material Thickness / Type | 0.016" (0.41mm) CDA 260 Brass | | | | | |
| Standard Finish | Pre-finished 100% Matte Tin over Copper. Edges will be bare. | | | | | |
| Feeder System | Standard 12mm Tape Feeder for PN 1286T | | | | | |
| Crimping System | Mini Press (for high volume applications) Versa-Crimp (for low volume applications) WTC-1286-1 (for low volume and/or field terminations) | | | | | |
| | U.S. Patent No. 7,591,666 B2 and other U.S. and international patents | | | | | |

Recommended Solder Pad Geometry



Note: For side by side placement consult factory for center-to-center spacing.

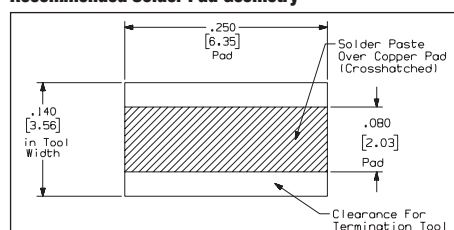
Part Numbers 1295, 1295T, 1295T-SR

Zierick recommends .006" stencil thickness for most applications. For other stencil thicknesses, call Zierick's product development department.

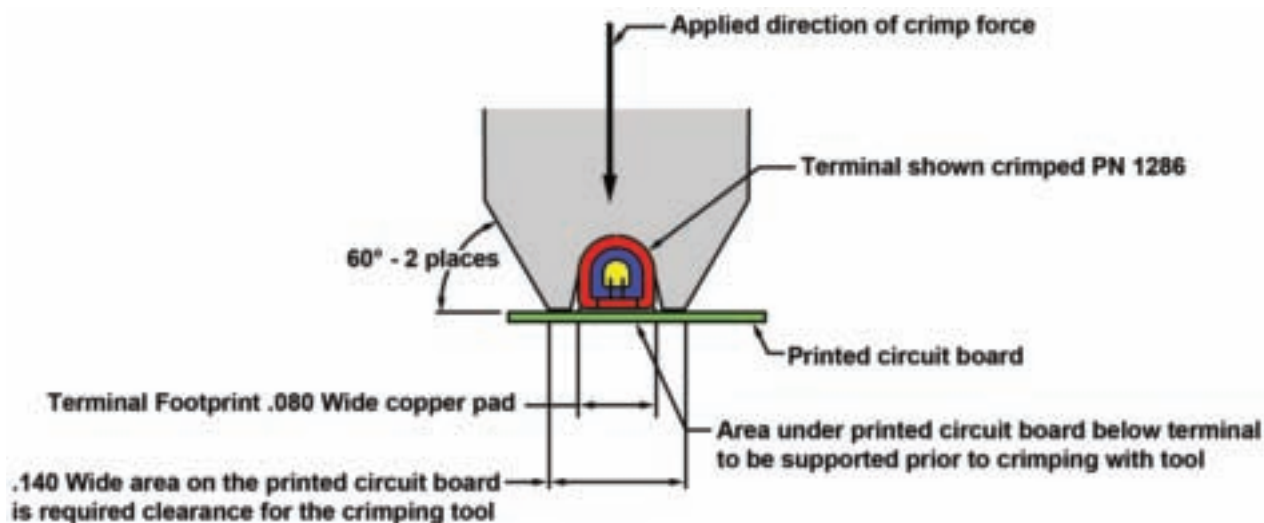
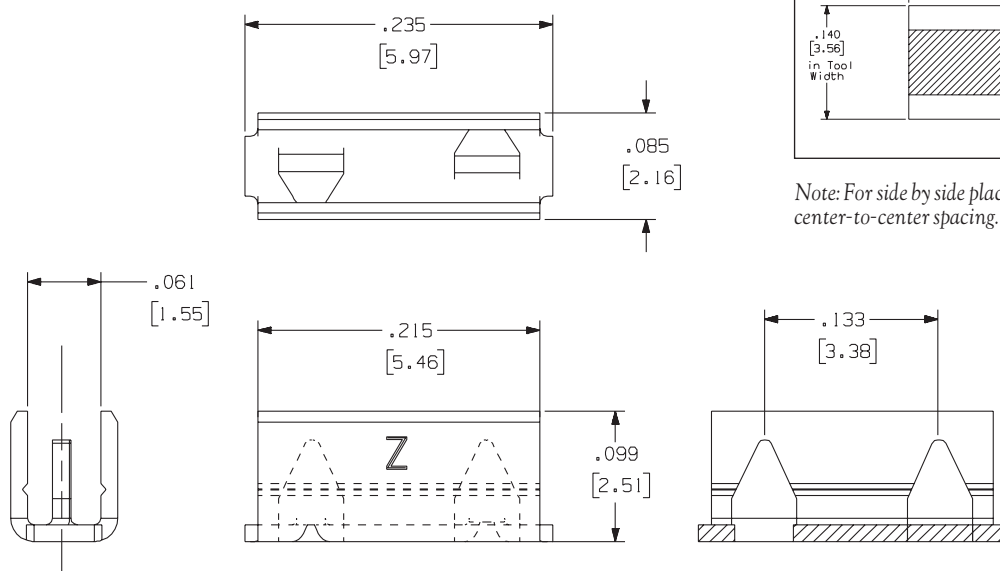
For drawings of our taped parts, please search for this part number on our website, www.zierick.com.

| | | | | | |
|-----------------------------------|---|----------|----------|----------|----------|
| Loose Part No. | 1295 | | | | |
| Taped Part No. | 1295T | | | | |
| Small Reel Part No. | 1295T-SR | | | | |
| Wire Sizes (For Stranded Wire) | 20 AWG | | | 22 AWG | |
| (Insulation Outside Diameter) | .045 in. | .050 in. | .061 in. | .053 in. | .058 in. |
| Material Thickness / Type | 0.012" (0.30mm) Pre-Plated Brass | | | | |
| Standard Finish | Pre-finished 100% Matte Tin over Copper. Edges will be bare. | | | | |
| Feeder System | Standard 16mm Tape Feeder | | | | |
| Crimping System | Mini Press (for high volume applications) Versa-Crimp (for low volume applications) WTC-1295-1 (for low volume and/or field terminations) | | | | |
| | U.S. Patent No. 7,591,666 B2 and other U.S. and international patents | | | | |

Recommended Solder Pad Geometry



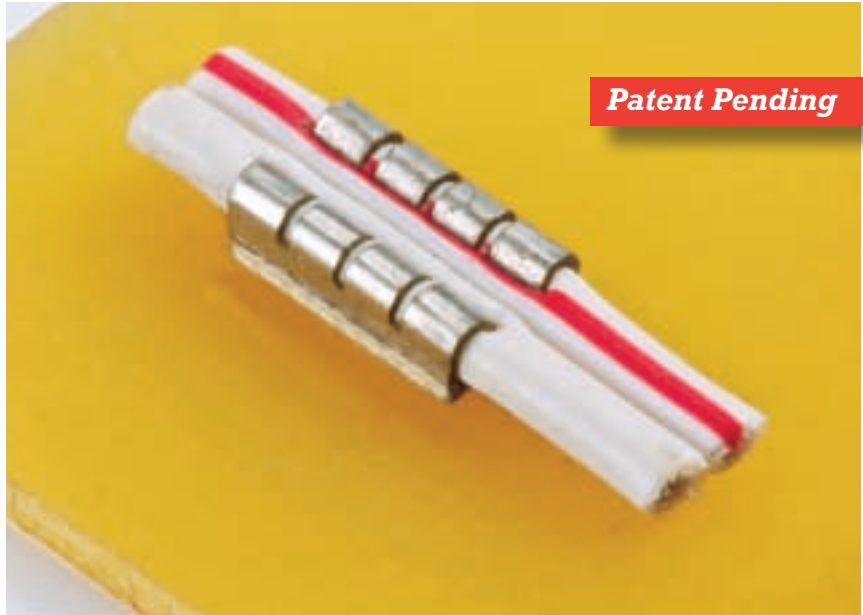
Note: For side by side placement consult factory for center-to-center spacing.



Part Number 1300-T

Features and Benefits

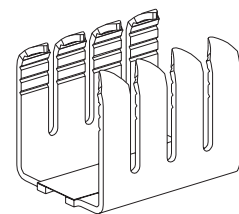
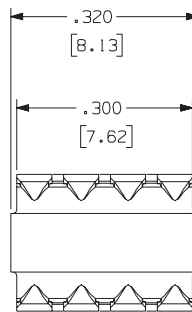
- This Zierick product is one of the most economical ways to terminate wire to a surface mount board.
- Part placement can be automated.
- It has high resistance to shock and vibration.
- There is no need to strip the cord.
- The wire is terminated by using a Zierick crimping press.
- The part is available in taped format.



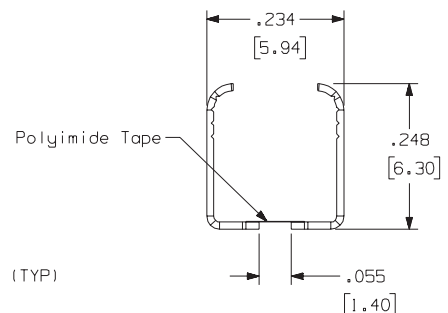
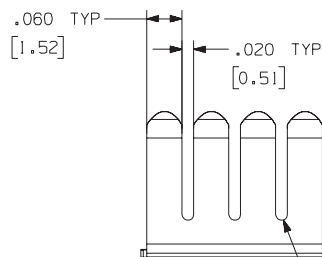
This Surface Mount Zip Cord connector is comprised of two identical parts, turned so the connector spikes face each other. The parts are held in the correct configuration for the AWG of the Zip Cord, and placed in Tape Pockets for easy nozzle pick-up.

| | |
|----------------------------------|--|
| Taped Part No. | 1300-T |
| Wire Size | Approximately .100"x.200" 18 AWG paired conductor wire |
| Material Thickness / Type | .012 CDA-260 Brass |
| Standard Finish | Pre-finished 100% Matte Tin over Copper. Edges will be bare. |
| Crimping System | MP-1000 Crimping Machine (for high volume applications) Versa-Crimp (for low volume applications) |
| Feeder System | Standard 24mm Tape Feeder |

Zierick recommends .006" stencil thickness for most applications.
For other stencil thicknesses, call Zierick's product development department.



Because of the variations of the outside diameter of the insulation and the diameter of the conductor, it is highly recommended that each wire be tested to insure a proper connection to the wire. Current rating is dependent on wire sizes. Consult factory. See the website for all pad layouts and new part numbers for different wire gauges.



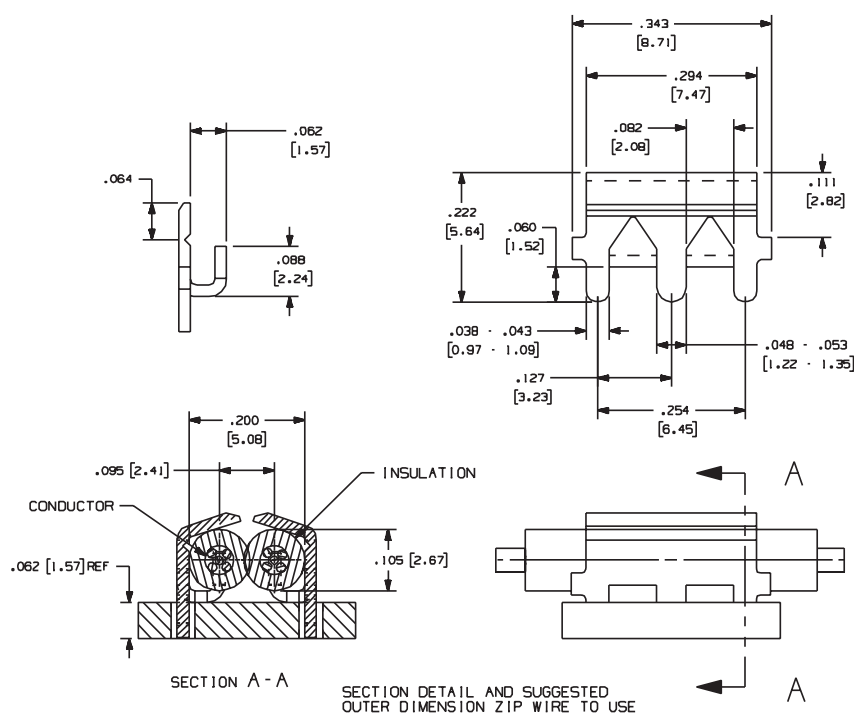
Part Numbers 1302, 1302-2-HDR, 1302-2-HDR-T, 6302**Patent Pending****Features and Benefits**

- This Zierick product is one of the most economical ways to terminate wire to a printed circuit board.
- Part placement can be automated.
- It has high resistance to shock and vibration.
- There is no need to strip the wire.
- The wire is terminated by using a Zierick crimping press.
- It is also available in taped format and taped header format for low volume users.

| | | |
|--|--|------------|
| Loose Part No. | 1302 | 1302-2-HDR |
| Reeled Part No. | 6302 | |
| Taped Part No. | 1302-2-HDR-T | |
| Wire Size | Approximately .100" Thick x .200" Wide | |
| Material Thickness / Type | .020 CDA-260 Brass | |
| Standard Finish | Pre-finished 100% Matte Tin over Copper. Edges will be bare. | |
| Feeder System | SMT Feeder for Loose Piece Terminals Standard 16mm Tape Feeder | |
| Crimping System | MP-1000 Crimping Machine (for high volume applications) Versa-Crimp (for low volume applications) | |
| Zierick recommends .006” stencil thickness for most applications. For other stencil thicknesses, call Zierick’s product development department. | | |

This Surface Mount Zip Cord connector is comprised of two identical parts, turned so the connector spikes face each other. The parts are placed into plated through-holes and can be used in either a conventional Surface Mount or Through-Hole Technology process.

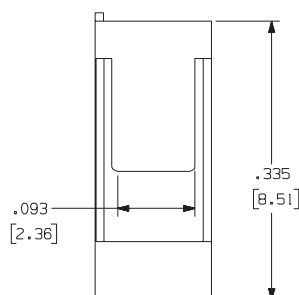
In the Surface Mount process, a Zierick feeder can separate one part from a strip of parts and present each to a pick and place machine using a gripper. For Through-Hole applications, a Zierick THT Assembly System can quickly insert these parts directly onto the PCB. The utilization of well proven crimping and insulation piercing technology guarantees the long term reliability of this connection.



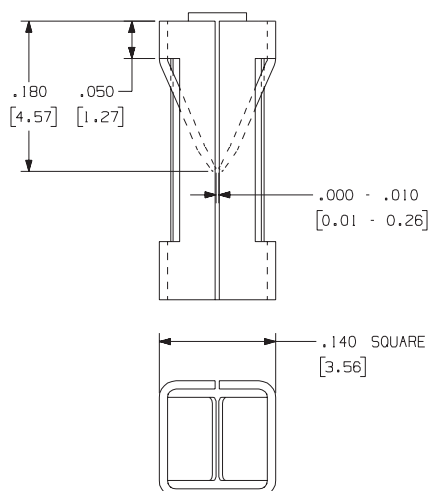
Because of the variations of the outside diameter of the insulation and the diameter of the conductor, it is highly recommended that each wire be tested to insure a proper connection to the wire. Current rating is dependent on wire sizes. Consult factory. See the website for all pad layouts and new part numbers for different wire gauges.

Part Numbers **1262, 6262, 1262T,** **1262T-SR, 1262TH**

Zierick recommends .006" stencil thickness for most applications. For other stencil thicknesses, call Zierick's product development department.

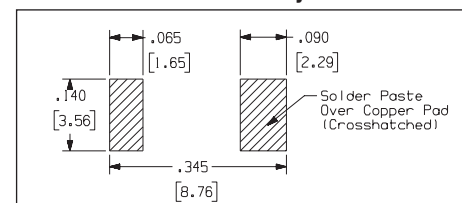


For drawings of our taped parts, please search for this part number on our website, www.zierick.com.

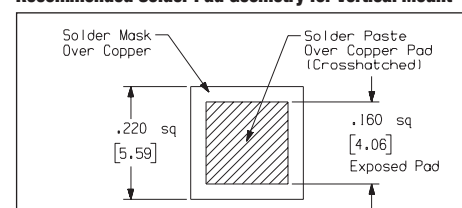


| | | | |
|----------------------------------|---|----------|--------|
| Loose Part No. | 1262 | | |
| Reeled Part No. | 6262 | | |
| Taped Part No. | 1262T | 1262T-SR | 1262TH |
| Mating Terminal Size | 0.025" (0.64mm) square or 0.032" (0.81mm) round pin | | |
| Material Thickness / Type | 0.010" (0.25mm) Phosphor Bronze | | |
| Standard Finish | 100% Tin over Copper | | |
| Current Rating | 20 Amperes | | |
| Feeder System | Surf-Shooter SMT™ Continuous Strip Feeder Standard 24mm Tape Feeder for PN 1262T and PN 1262TH | | |

Recommended Solder Pad Geometry for Horizontal Mount

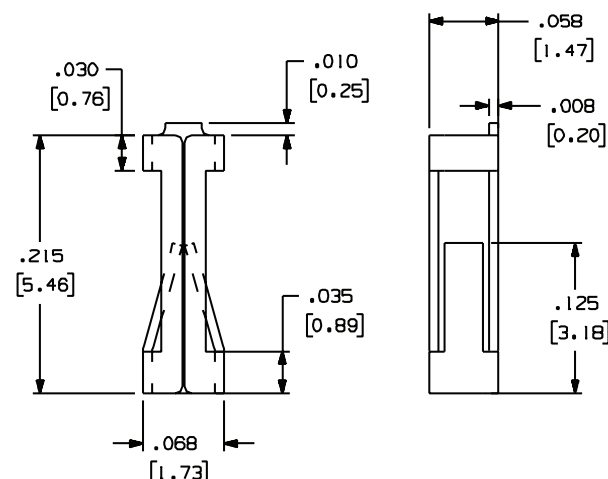


Recommended Solder Pad Geometry for Vertical Mount



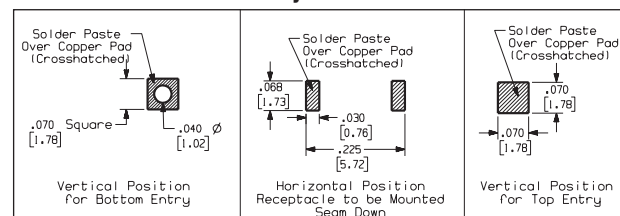
Part Numbers **1301, 1301TH, 6301**

Zierick recommends .006" stencil thickness for most applications. For other stencil thicknesses, call Zierick's product development department.



| | | | |
|----------------------------------|--|--|--|
| Loose Part No. | 1301 | | |
| Reeled Part No. | 6301 | | |
| Taped Part No. | 1301TH | | |
| Mating Terminal Size | 0.025" (0.64mm) square or 0.025" (0.64mm) round pin | | |
| Material Thickness / Type | .008" (0.20mm) Phosphor Bronze | | |
| Standard Finish | 100% Tin over Copper | | |
| Current Rating | 10 Amperes | | |
| Feeder System | Surf-Shooter SMT™ Continuous Strip Feeder Standard 24mm Tape Feeder for PN 1301TH | | |

Recommended Solder Pad Geometry

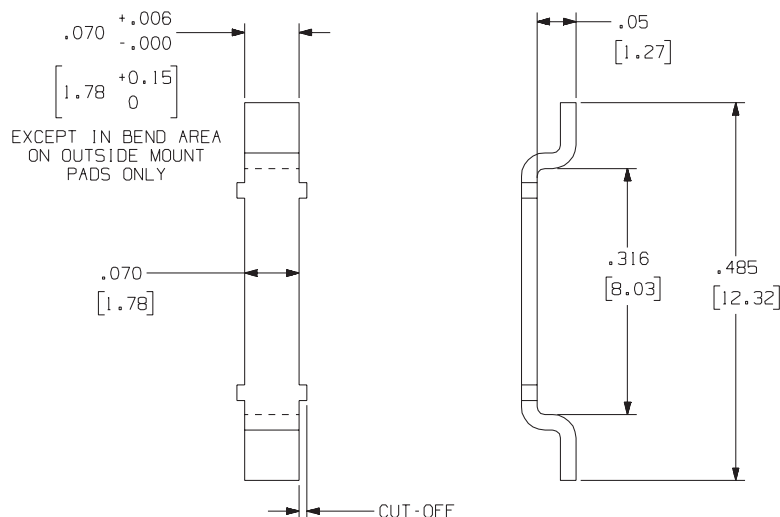


For drawings of our taped parts, please search for this part number on our website, www.zierick.com.

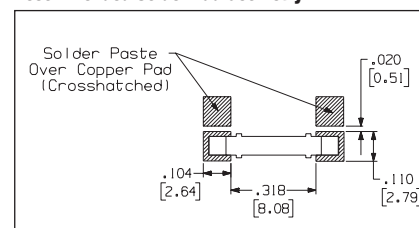
Part Numbers 1179, 1179T, 1179T-SR, 6179

Zierick recommends .006" stencil thickness for most applications. For other stencil thicknesses, call Zierick's product development department.

| | | | |
|---------------------------|---|---------------------------|----------|
| Loose Part No. | 1179 | 1179T | 1179T-SR |
| Reeled Part No. | 6179 | N/A | |
| Material Thickness / Type | 0.020" (0.51mm) CDA 11000 Copper | | |
| Standard Finish | 100% Tin over Copper | | |
| Current Rating | 25 Amperes | | |
| Feeder System | Surf-Shooter SMT™ Continuous Strip Feeder | Standard 24mm Tape Feeder | |



Recommended Solder Pad Geometry



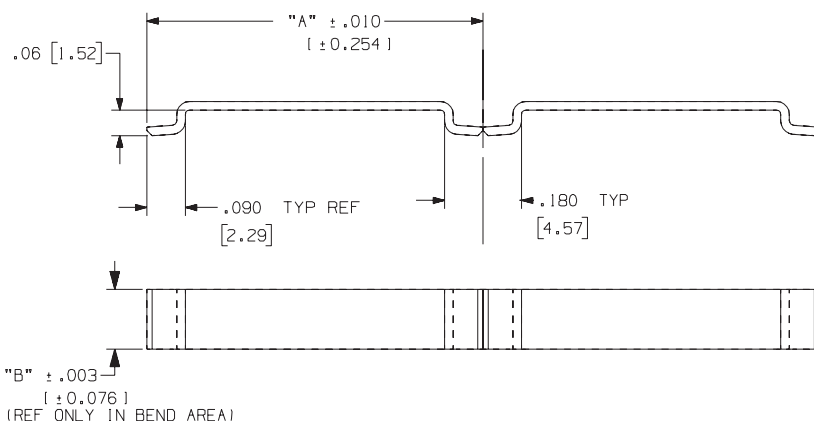
For drawings of our taped parts, please search for this part number on our website, www.zierick.com.

Part Numbers 6233-001, 6233-002, 6233-310-140, 6233-585-200, 6233-787-140, 6233-787-140-T

Zierick recommends .006" stencil thickness for most applications. For other stencil thicknesses, call Zierick's product development department.

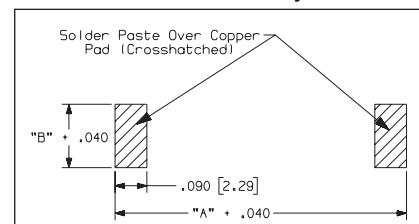
| | | | | | |
|---------------------------|---------------------------|-----------------|-----------------|-----------------|-----------------|
| Reeled Part No. | 6233-001 | 6233-002 | 6233-310-140 | 6233-585-200 | 6233-787-140 |
| Taped Part No. | 6233-787-140-T | | | | |
| Dim 'A' | 0.300" (7.62mm) | 0.485" (12.3mm) | 1.500" (38.1mm) | 0.585" (14.9mm) | 0.787" (20.0mm) |
| Dim 'B' | 0.075" (1.91mm) | 0.075" (1.91mm) | 0.075" (1.91mm) | 0.200" (5.08mm) | 0.140" (3.56mm) |
| Material Thickness / Type | 0.020" (0.51mm) Copper | | | | |
| Standard Finish | 100% Tin Over Copper | | | | |
| Feeder System | Standard 24mm Tape Feeder | | | | |

| | | |
|---------|-----------------|-----------------|
| | Dim 'A' | Dim 'B' |
| Minimum | 0.300" (7.62mm) | 0.075" (1.91mm) |
| Maximum | 1.500" (38.1mm) | 0.200" (5.08mm) |



*Where Dimension 'A' = jumper length and Dimension 'B' = jumper width. Different lengths and widths are available. Please consult factory.

Recommended Solder Pad Geometry

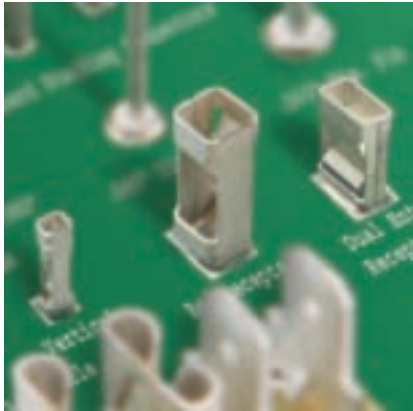


For drawings of our taped parts, please search for this part number on our website, www.zierick.com.

Zierick's family of SMT receptacles provides a range of options designed to lower manufacturing costs, simplify assembly, and increase

productivity. Zierick has expanded its Surface Mount product line to include Universal Tab Receptacles, Box Receptacles, Clips, and Bottom

Entry Through-Board Sockets, increasing the options for flexibility and compatibility.



Box Receptacles



Fuse Clips



Universal Tab Receptacles Fuse Clips

SMT Universal Tab Receptacles

Features and Benefits

- These receptacles are forgiving for mating misalignment.
- They mate with a range of tabs from .025" to .032" thick and widths from .110" wide and larger.
- They have low insertion forces.
- They have a high current rating of 30 Amps.
- They can have a dozen mating cycles (a higher mating cycle version is available).
- This product performs well in demanding automotive applications (shock, vibration, elevated temperature).
- They may be used for top, bottom, or side entry.



- They are designed for automation using the customer's existing pick and place equipment and a special feeder for a continuous strip of components.

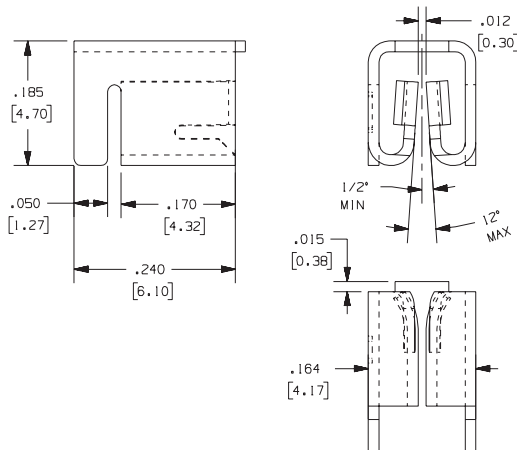
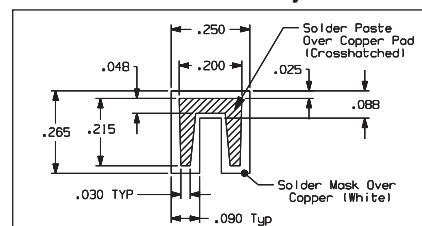
- These parts can also be automatically "picked and placed" from tape and reel.

Part Numbers

**1237, 1237T, 1237T-SR,
1237-BMT, 1237-BMT-SR,
1237T-KT,
1237T-KT-SR,
1237-BMT-KT,
1237-BMT-KT-SR,**

Zierick recommends .006" stencil thickness for most applications. For other stencil thicknesses, call Zierick's product development department.

| | | | | |
|----------------------------------|---|-------------------------|-------------------------|-------------------------------|
| Loose Part No. | 1237 | | | |
| Reeled Part No. | 6237 | | | |
| Taped Part No. | 1237T 1237T-SR | 1237-BMT 1237-BMT-SR | 1237T-KT 1237T-KT-SR | 1237-BMT-KT 1237-BMT-KT-SR |
| Mating Terminal Size | 0.025" (0.64mm) to 0.032" (0.81mm) thick | | | |
| Material Thickness / Type | 0.016" (0.41mm) Brass | | | |
| Standard Finish | 100% Tin over Copper | | | |
| Current Rating | 25 Amperes | | | |
| Feeder System | Consult factory for Surf-Shooter SMT™ Continuous Strip Feeder P/N 6237 Standard 16mm Tape Feeder | | | |


Recommended Solder Pad Geometry


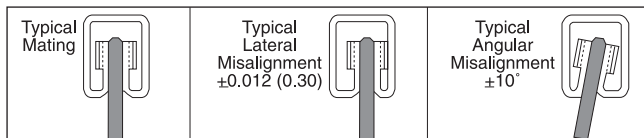
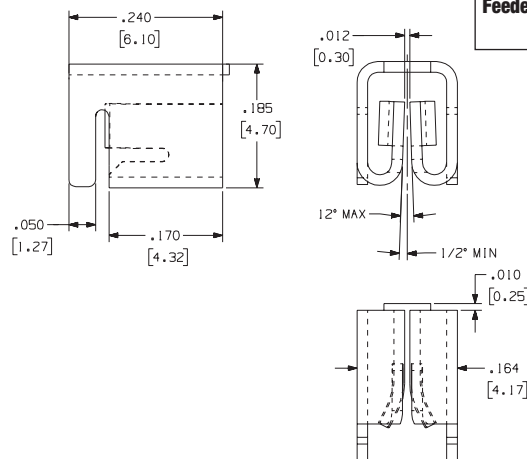
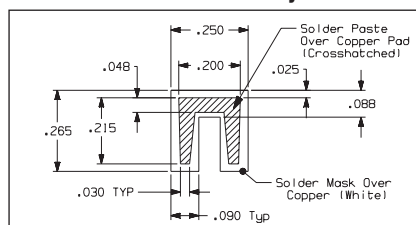
For drawings of our taped parts, please search for this part number on our website, www.zierick.com.

SMT Bottom or Horizontal Entry Universal Tab Receptacles

**Part Numbers 1238, 1238T,
1238T-SR, 1238-BMT,
1238T-KT
1238T-KT-SR, 6238**

Zierick recommends .006" stencil thickness for most applications. For other stencil thicknesses, call Zierick's product development department.

| | | | |
|----------------------------------|---|----------|-------------------------|
| Loose Part No. | 1238 | | |
| Reeled Part No. | 6238 | | |
| Taped Part No. | 1238T 1238T-SR | 1238-BMT | 1238T-KT 1238T-KT-SR |
| Mating Terminal Size | 0.025" (0.64mm) to 0.032" (0.81mm) thick | | |
| Material Thickness / Type | 0.016" (0.41mm) Brass | | |
| Standard Finish | 100% Tin over Copper | | |
| Current Rating | 25 Amperes | | |
| Feeder System | Consult factory for Surf-Shooter SMT™ Continuous Strip Feeder P/N 6238 Standard 16mm Tape Feeder | | |


Recommended Solder Pad Geometry


For drawings of our taped parts, please search for this part number on our website, www.zierick.com.

Features and Benefits

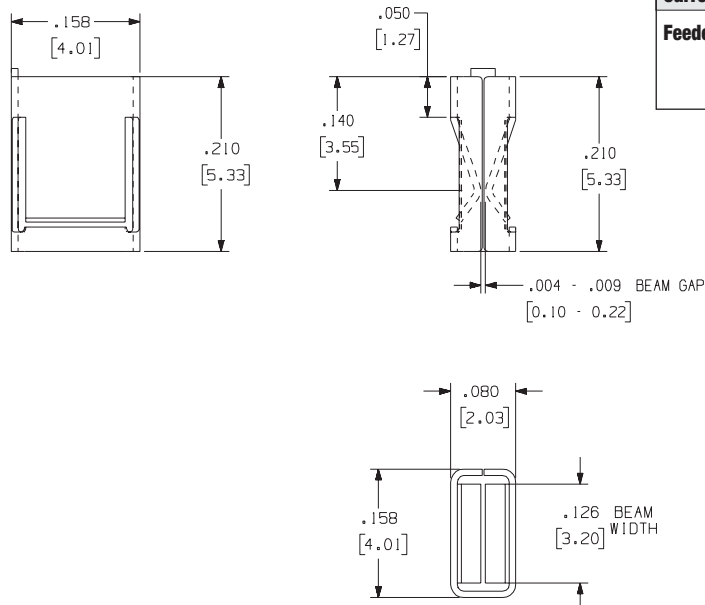
- Zierick's Box contacts offer low insertion forces.
- The high pressure contact area assures a reliable gas tight connection.
- They are forgiving for locational misalignment.
- A dozen mating cycles can be expected (a higher mating cycle version is available).
- They use a small footprint.
- These parts are designed for automation using the customer's existing pick and place equipment and a special feeder for a continuous strip of components.
- These parts can also be automatically "picked and placed" from tape and reel.



SMT Dual Entry Box Receptacle

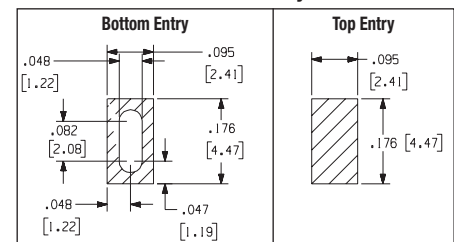
Part Numbers 1266, 6266, 1266-TV, 1266-TV-KT

Zierick recommends .006" stencil thickness for most applications. For other stencil thicknesses, call Zierick's product development department.



| | | |
|----------------------------------|--|------------|
| Loose Part No. | 1266 | |
| Reeled Part No. | 6266 | |
| Taped Part No. | 1266-TV | 1266-TV-KT |
| Mating Terminal Size | 0.020" (0.51mm) to 0.032" (0.81mm) thick | |
| Material Thickness / Type | 0.008" (0.20mm) Phosphor Bronze | |
| Standard Finish | 100% Tin over Copper | |
| Current Rating | 20 Amperes | |
| Feeder System | Surf-Shooter SMT™ Continuous Strip Feeder Standard 16mm Tape Feeder for PNs 1266-TV and 1266-TV-KT | |

Recommended Solder Pad Geometry

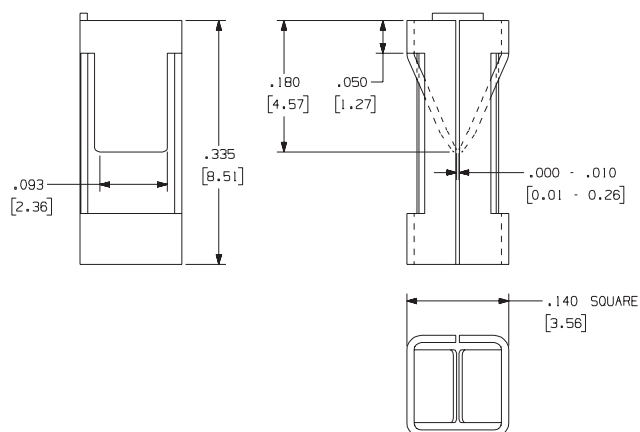


For drawings of our taped parts, please search for this part number on our website, www.zierick.com.

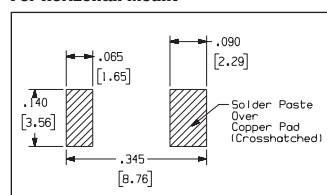
Part Numbers 1262, 6262, 1262T, 1262T-SR, 1262TH

Zierick recommends .006" stencil thickness for most applications. For other stencil thicknesses, call Zierick's product development department.

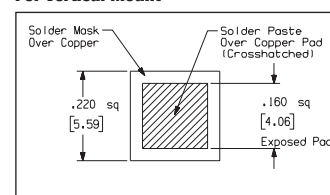
| | | | |
|---------------------------|---|----------|--------|
| Loose Part No. | 1262 | | |
| Reeled Part No. | 6262 | | |
| Taped Part No. | 1262T | 1262T-SR | 1262TH |
| Mating Terminal Size | 0.025" (0.64mm) square or 0.032" (0.81mm) round pin | | |
| Material Thickness / Type | 0.010" (0.25mm) Phosphor Bronze | | |
| Standard Finish | 100% Tin over Copper | | |
| Current Rating | 20 Amperes | | |
| Feeder System | Surf-Shooter SMT™ Continuous Strip Feeder Standard 12mm Tape Feeder for PN 1262T and PN 1262TH | | |



Recommended Solder Pad Geometry For Horizontal Mount



Recommended Solder Pad Geometry For Vertical Mount

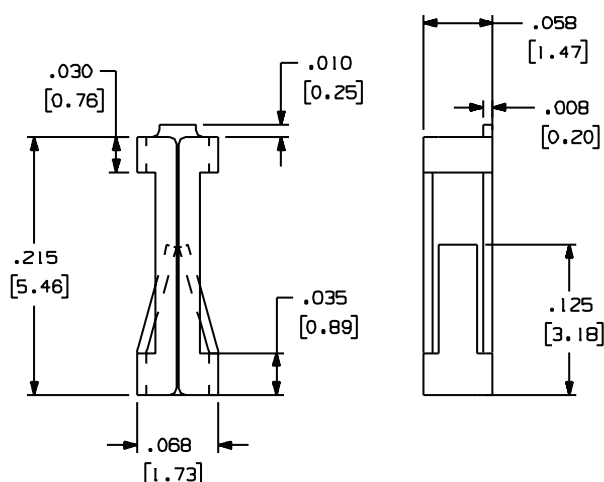


For drawings of our taped parts, please search for this part number on our website, www.zierick.com.

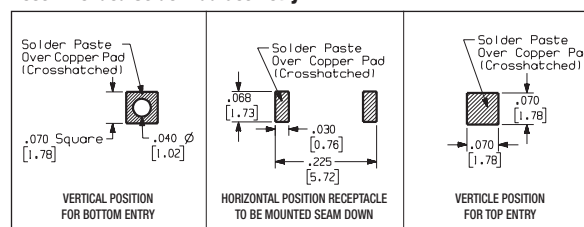
Part Numbers 1301, 1301TH, 6301

Zierick recommends .006" stencil thickness for most applications. For other stencil thicknesses, call Zierick's product development department.

| | |
|----------------------------------|--|
| Loose Part No. | 1301 |
| Reeled Part No. | 6301 |
| Taped Part No. | 1301TH |
| Mating Terminal Size | 0.025" (0.64mm) square or 0.025" (0.64mm) round pin |
| Material Thickness / Type | .008" (0.20mm) Phosphor Bronze |
| Standard Finish | 100% Tin over Copper |
| Current Rating | 10 Amperes |
| Feeder System | Surf-Shooter SMT™ Continuous Strip Feeder Standard 24mm Tape Feeder for PN 1301TH |



Recommended Solder Pad Geometry

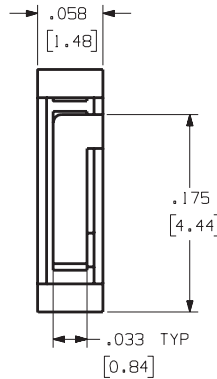
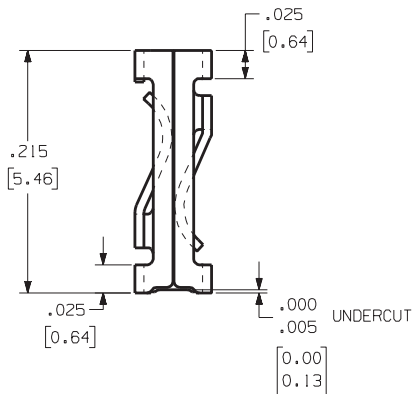


For drawings of our taped parts, please search for this part number on our website, www.zierick.com.

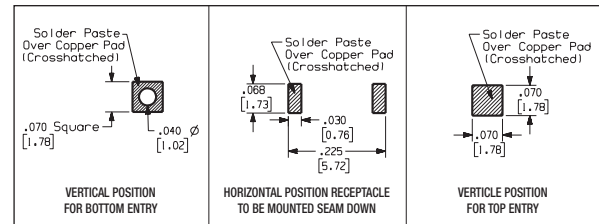
Part Numbers 1277, 6277, 1277-TH, 1277-TH-SR, 1277-TV-G, 1277-TV-G-SR, 1277-TV-N

Zierick recommends .006" stencil thickness for most applications. For other stencil thicknesses, call Zierick's product development department.

| | | | | | |
|---------------------------|--|------------|-----------|--------------|-----------|
| Loose Part No. | 1277 | | | | |
| Reeled Part No. | 6277 | | | | |
| Taped Part No. | 1277-TH | 1277-TH-SR | 1277-TV-G | 1277-TV-G-SR | 1277-TV-N |
| Mating Terminal Size | 0.025" (0.64mm) square or round pin | | | | |
| Material Thickness / Type | 0.008" (0.20mm) Phosphor Bronze | | | | |
| Standard Finish | 100% Tin over Copper | | | | |
| Current Rating | 10 Amperes | | | | |
| Feeder System | Loose: Standard 16mm Tape Feeder for PN 1277-TH Reeled: Consult Factory for Feeder Standard 24mm Tape Feeder for PN 1277-TV-G and PN 1277-TV-N | | | | |



Recommended Solder Pad Geometry

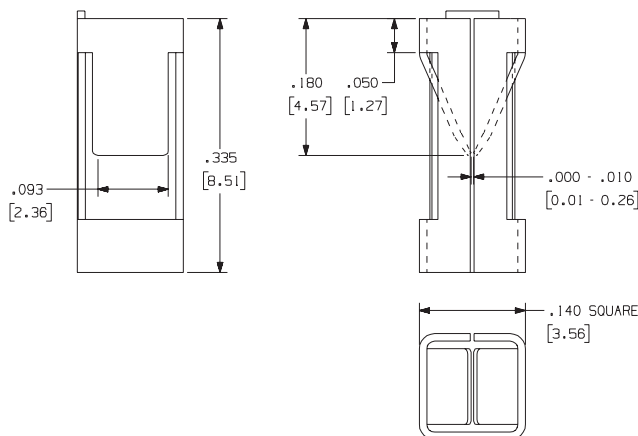


For drawings of our taped parts, please search for this part number on our website, www.zierick.com.

SMT Box Receptacles for High Temp Applications

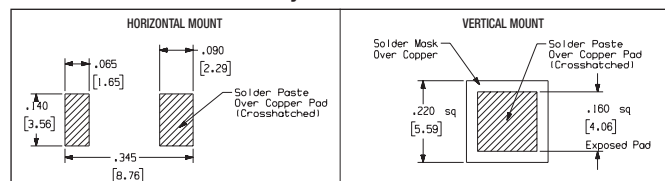
Part Numbers 1275, 6275, 1275T, 1275TH

Zierick recommends .006" stencil thickness for most applications. For other stencil thicknesses, call Zierick's product development department.



| | | |
|---------------------------|--|--------|
| Loose Part No. | 1275 | |
| Reeled Part No. | 6275 | |
| Taped Part No. | 1275T | 1275TH |
| Mating Terminal Size | 0.025" (0.64mm) and 0.032" (0.81mm) Round or Square | |
| Mounting Type | Surface Mount | |
| Material Thickness / Type | 0.010" (0.25mm) CDA 70250 High Performance Alloy | |
| Standard Finish | Loose: 100% Tin over Copper Reeled: 100% Tin over Copper | |
| Mating Entry | Top and Bottom | |
| Current Rating | 20 Amperes | |
| Resistance Rating | 10mΩ Max | |
| Temperature Rating | Up to 175°C | |
| Feeder System | Surf-Shooter SMT™ Continuous Strip Feeder Standard 24mm Tape Feeder | |

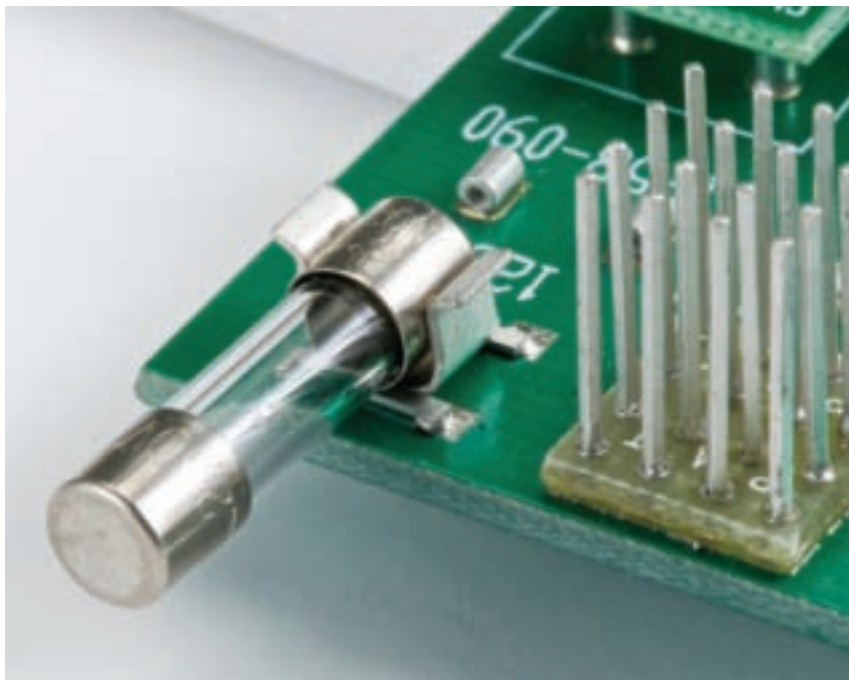
Recommended Solder Pad Geometry



For drawings of our taped parts, please search for this part number on our website, www.zierick.com.

Features and Benefits

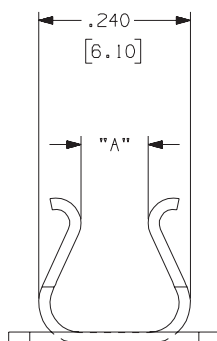
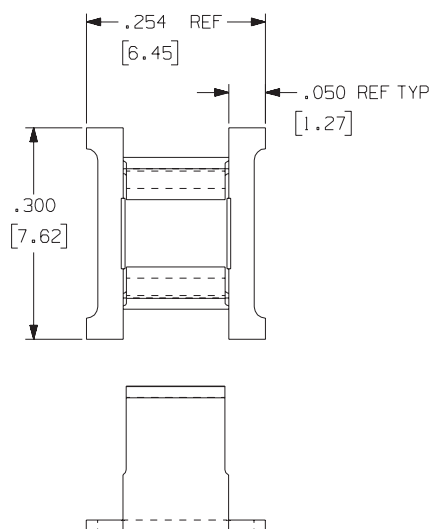
- Individual clips can be randomly placed.
- Clips don't float during reflow.
- Clips are available in two gap widths - 0.165" gap for use with standard 5mm fuses and 0.095" gap for use as a 1/8" (.125") pin receptacle.
- The gap dimension / contact force can be optimized for specific applications depending on mating cycles, voltage current and operating environment.
- It has a suitable force for fuse retention.
- Clips are designed for automation using the customer's existing pick and place equipment and a special feeder for a continuous strip of components.
- These parts can also be automatically "picked and placed" from tape and reel.



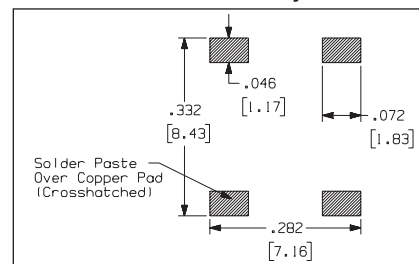
Part Numbers 1230, 1230T, 1230T-SR, 1184, 1184T, 6230, 6184

Zierick recommends .006" stencil thickness for most applications. For other stencil thicknesses, call Zierick's product development department.

| | 5mm Fuse | | Clip Connector |
|----------------------------------|--|----------|-----------------|
| Loose Part No. | 1230 | | 1184 |
| Reeled Part No. | 6230 | | 6184 |
| Taped Part No. | 1230T | 1230T-SR | 1184T |
| Dim 'A' | 0.165" (4.19mm) | | 0.090" (2.29mm) |
| Material Thickness / Type | 0.016" (0.41mm) Phosphor Bronze | | |
| Standard Finish | 100% Tin over Copper | | |
| Current Rating | 15 Amperes | | |
| Feeder System | Surf-Shooter SMT™ Continuous Strip Feeder Standard 16mm Tape Feeder | | |
| | U.S. Patent Nos. 5,695,348, 5,730,608 and other U.S. and international patents | | |



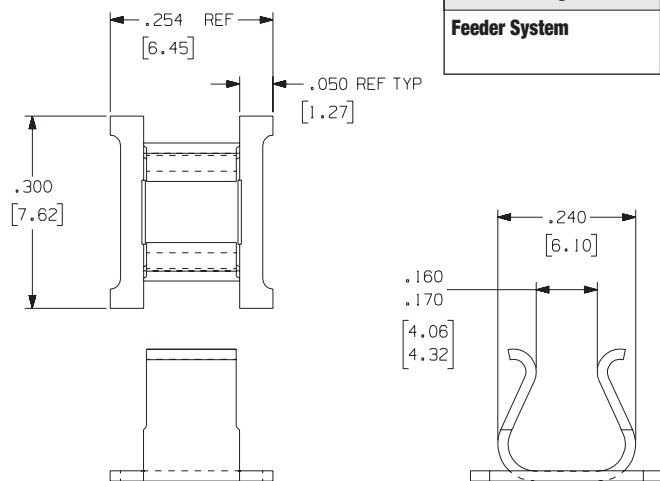
Recommended Solder Pad Geometry



For drawings of our taped parts, please search for this part number on our website, www.zierick.com.

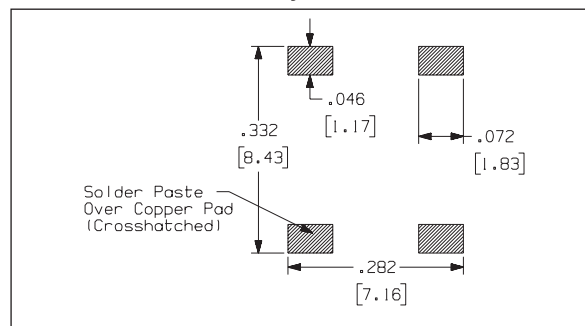
Part Numbers 1230, 1230T, 1230T-SR, 6230

Zierick recommends .006" stencil thickness for most applications. For other stencil thicknesses, call Zierick's product development department.



| | | |
|----------------------------------|--|----------|
| Loose Part No. | 1230 | |
| Reeled Part No. | 6230 | |
| Taped Part No. | 1230T | 1230T-SR |
| Dim 'A' | 0.165" (4.19mm) | |
| Material Thickness / Type | 0.016" (0.41mm) Phosphor Bronze | |
| Standard Finish | 100% Tin over Copper | |
| Current Rating | 15 Amperes | |
| Feeder System | Surf-Shooter SMT™ Continuous Strip Feeder Standard 16mm Tape Feeder | |

Recommended Solder Pad Geometry

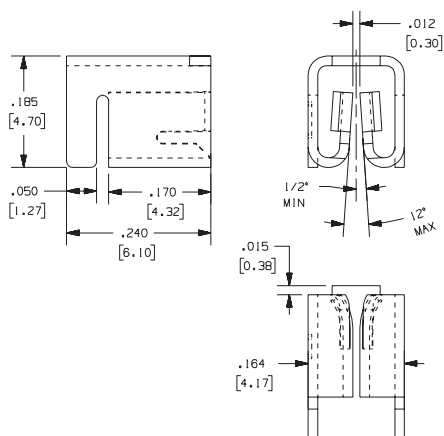


For drawings of our taped parts, please search for this part number on our website, www.zierick.com.

Auto Fuse Receptacles

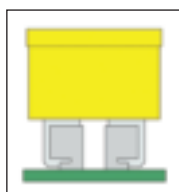
Part Numbers 1237, 1237T, 1237T-SR, 1237-BMT, 1237-BMT-SR, 1237T-KT, 1237T-KT-SR, 1237-BMT-KT, 1237-BMT-KT-SR

Zierick recommends .006" stencil thickness for most applications. For other stencil thicknesses, call Zierick's product development department.

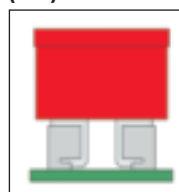


| | | | | |
|----------------------------------|---|-------------------------|-------------------------|-------------------------------|
| Loose Part No. | 1237 | | | |
| Reeled Part No. | 6237 | | | |
| Taped Part No. | 1237T 1237T-SR | 1237-BMT 1237-BMT-SR | 1237T-KT 1237T-KT-SR | 1237-BMT-KT 1237-BMT-KT-SR |
| Mating Terminal Size | 0.025" (0.64mm) to 0.032" (0.81mm) thick | | | |
| Material Thickness / Type | 0.016" (0.41mm) Brass | | | |
| Standard Finish | 100% Tin over Copper | | | |
| Current Rating | 25 Amperes | | | |
| Feeder System | Consult factory for Surf-Shooter SMT™ Continuous Strip Feeder P/N 6237 Standard 16mm Tape Feeder | | | |
| | U.S. Patent No. 5,730,608 | | | |

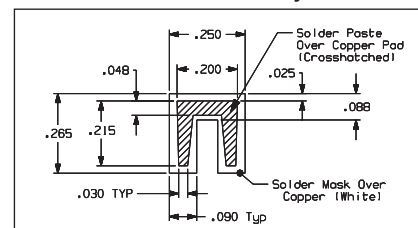
Optional use as Mini-Fuse Holder



Optional use as ATC (Auto) Fuse Holder



Recommended Solder Pad Geometry



For drawings of our taped parts, please search for this part number on our website, www.zierick.com.

Features and Benefits

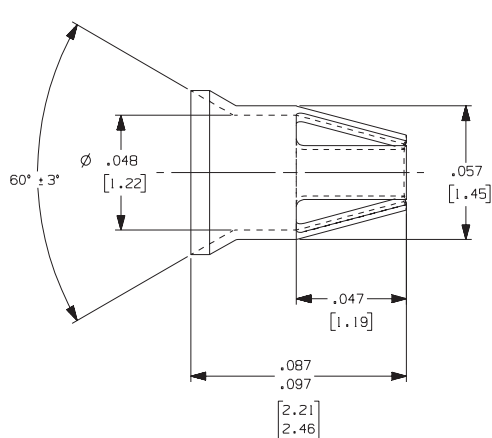
- Our Through-Board Sockets are designed to handle a high current, up to 7 Amps, depending on the application.
- They have a small footprint.
- They have a low profile.
- Their superior capacity accommodates either power or signal connection (with appropriate plating).
- The Sockets offer a high number of mating cycles.
- They are available in tape or bulk.
- They are ideal for demanding environments and high density applications.



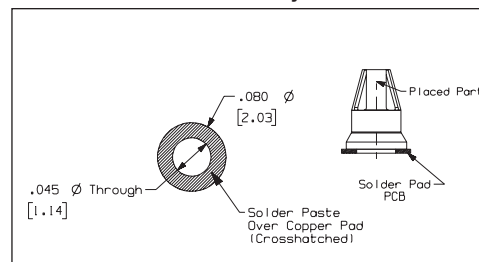
Part Numbers 1260, 1260T, 1260T-SR

Zierick recommends .006" stencil thickness for most applications. For other stencil thicknesses, call Zierick's product development department.

| | |
|----------------------------------|--|
| Loose Part No. | 1260 |
| Taped Part Number | 1260T |
| Small Reel Part No. | 1260T-SR |
| Mating Pin Size | 0.025" (0.64mm) Square or 0.025" (0.64mm) to 0.032" (0.81mm) Diameter Round Pins |
| Material Thickness / Type | 0.005" (0.13mm) CDA 17200 Beryllium Copper |
| Standard Finish | Bright Tin over Copper |
| Current Rating | 7 Amperes |
| Feeder System | Standard 16mm Tape Feeder for Taped Parts |



Recommended Solder Pad Geometry



For drawings of our taped parts, please search for this part number on our website, www.zierick.com.

Features and Benefits

- High Current Rating, up to 7 Amps, depending on application
- Small footprint
- Low profile
- Can be either power or signal connection (with appropriate plating)
- High number of mating cycles
- Available in tape or bulk
- Ideal for demanding environments
- Square based socket for square mating pin applications



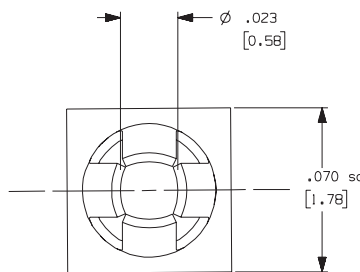
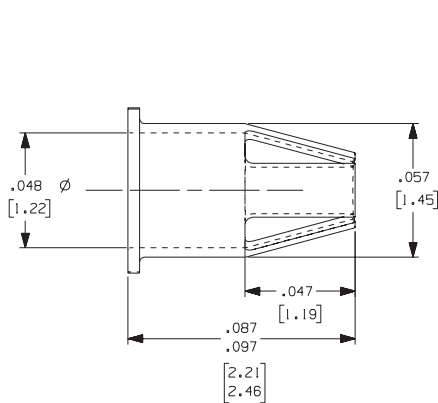
This square based socket is an upgraded version of our standard PN 1260, for square mating pin applications. PN 1260-SQ is consistently oriented in the tape pocket allowing the pick

and place machine to place it in the same angular position each time. This means that a square pin will reliably contact with the receptacle the same way each time

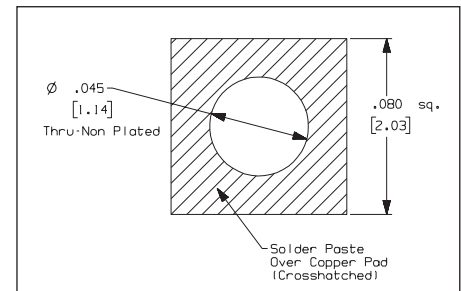
Part Numbers 1260-SQ, 1260-SQ-T

Zierick recommends .006" stencil thickness for most applications. For other stencil thicknesses, call Zierick's product development department.

| | |
|----------------------------------|--|
| Loose Part No. | 1260-SQ |
| Taped Part Number | 1260-SQ-T |
| Mating Pin Size | 0.025" (0.64mm) Square or 0.025" (0.64mm) to 0.032" (0.81mm) Diameter Round Pins |
| Material Thickness / Type | 0.005" (0.13mm) CDA 17200 Beryllium Copper |
| Standard Finish | Bright Tin over Copper |
| Current Rating | 7 Amperes |
| Feeder System | Standard 16mm Tape Feeder for Taped Parts |



Recommended Solder Pad Geometry

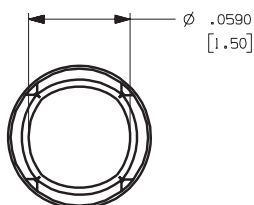
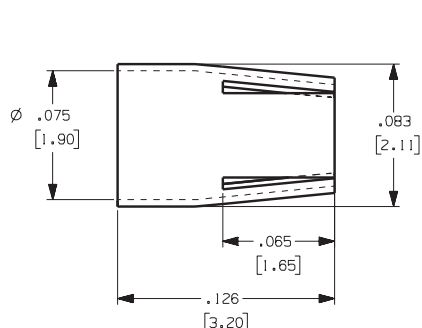


For drawings of our taped parts, please search for this part number on our website, www.zierick.com.

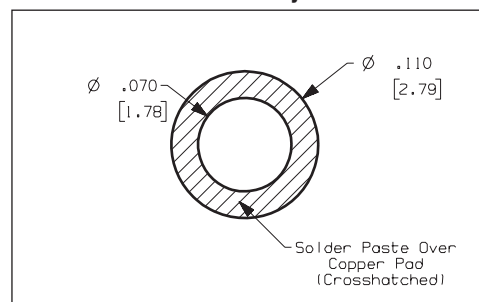
Part Numbers 1279, 1279T, 1279T-SR

Zierick recommends .006" stencil thickness for most applications. For other stencil thicknesses, call Zierick's product development department.

| | |
|---------------------------|--|
| Loose Part No. | 1279 |
| Taped Part Number | 1279T |
| Small Reel Part No. | 1279T-SR |
| Mating Pin Size | 0.062–0.066" (1.57–1.68mm) Diameter Round Pins |
| Material Thickness / Type | 0.005"(0.13mm) CDA 17200 Beryllium Copper |
| Standard Finish | Bright Tin over Copper |
| Current Rating | 7 Amperes |
| Feeder System | Standard 16mm Tape Feeder for Taped Parts |



Recommended Solder Pad Geometry

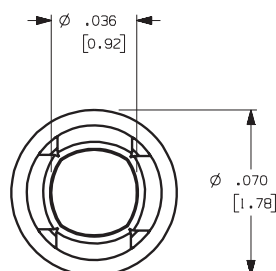
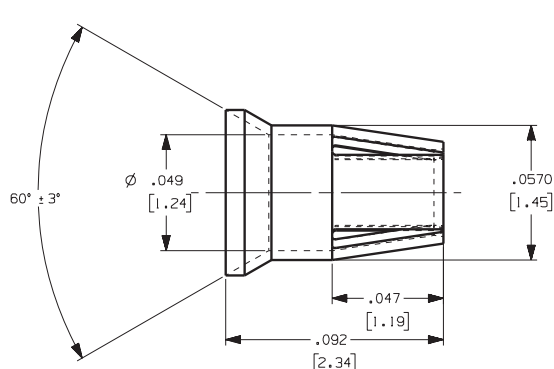


For drawings of our taped parts, please search for this part number on our website, www.zierick.com.

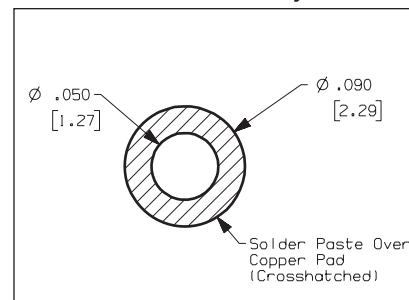
Part Numbers 1280, 1280T, 1280T-SR

Zierick recommends .006" stencil thickness for most applications. For other stencil thicknesses, call Zierick's product development department.

| | |
|---------------------------|--|
| Loose Part No. | 1280 |
| Taped Part Number | 1280T |
| Small Reel Part No. | 1280T-SR |
| Mating Pin Size | 0.038–0.044" (0.97–1.12mm) Diameter Round Pins |
| Material Thickness / Type | 0.005"(0.13mm) CDA 17200 Beryllium Copper |
| Standard Finish | Bright Tin over Copper |
| Current Rating | 7 Amperes |
| Feeder System | Standard 16mm Tape Feeder for Taped Parts |



Recommended Solder Pad Geometry

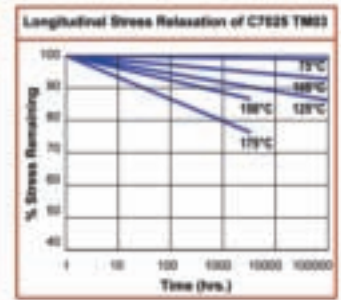


For drawings of our taped parts, please search for this part number on our website, www.zierick.com.

High Temperature / High Current Terminals

In newer automotive applications, operating temperatures and power throughput are steadily increasing. Most of today's terminals designed for such demanding applications are made of beryllium copper, which is very expensive. Zierick's response is a new way to create economically priced high temperature terminals. These components can operate at higher temperatures and have a higher current rating than their standard equivalents. They are stamped from an alloy with high temperature, high conductivity and improved stress relaxation properties. The stress relaxation feature is far superior to that of cartridge brass in elevated

| Physical and Engineering Properties of C7025 | | |
|--|---|--|
| Physical Properties | English Units | Metric Units |
| Melting Point (Liquid) | 2003°F | 1096°C |
| Melting Point (Solid) | 1967°F | 1075°C |
| Density | 318 lb/in ³ | 8.82 g/cm ³ |
| Thermal Conductivity | 85-110 Btu-in/ft ² -in ² -°F @ 88°F | 0.35-0.46 cal/cm ² -sec-°C @ 20°C |
| Electrical Resistivity | 22.8 ohm-circ mil @ 88°F | 4.2 microhm-cm @ 20°C |
| Electrical Conductivity | | |
| TM03 | 40% IACS @ 88°F | 0.23 magnhydron @ 20°C |
| TM02 | 40% IACS @ 88°F | 0.23 magnhydron @ 20°C |
| TM01 | 40% IACS @ 88°F | 0.23 magnhydron @ 20°C |
| TM00 | 35% IACS @ 88°F | 0.20 magnhydron @ 20°C |
| Modulus of Elasticity (Tension) | 18,000,000 psi | 13,000 kg/mm ² |



temperatures and heating applications.

Zierick's Part Number 1275 is standard, but many other parts can be produced with the same properties. This material easily lends itself to being used with our existing tooling and fabrication methods with little or no additional cost to the custom receptacle required.

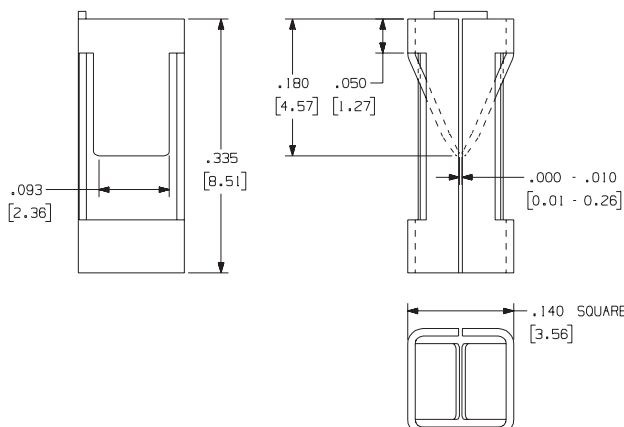
Stress relaxation is a critical inherent property of the material since the spring design feature in many receptacles is needed to maintain reliable connections at elevated temperatures. The tables above illustrate the various physical attributes of Alloy C7025. Call Zierick for more information.

Part Numbers 1275, 6275, 1275T, 1275TH

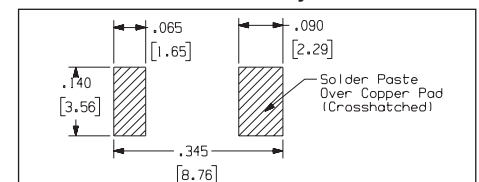
Zierick recommends .006" stencil thickness for most applications. For other stencil thicknesses, call Zierick's product development department.

For drawings of our taped parts, please search for this part number on our website, www.zierick.com.

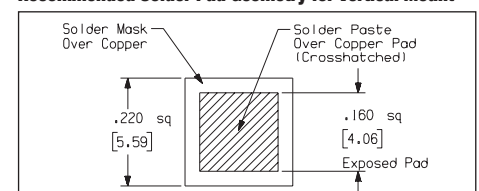
| | |
|----------------------------------|--|
| Loose Part No. | 1275 |
| Reeled Part No. | 6275 |
| Taped Part No. | 1275T 1275TH |
| Mating Terminal Size | 0.025" (0.64mm) and 0.032" (0.81mm) Round or Square |
| Mounting Type | Surface Mount |
| Material Thickness / Type | 0.010" (0.25mm) CDA 70250 High Performance Alloy |
| Standard Finish | Loose: 100% Tin over Copper Reeled: 100% Tin over Copper |
| Mating Entry | Top and Bottom |
| Current Rating | 20 Amperes |
| Resistance Rating | 10mΩ Max |
| Temperature Rating | Up to 175°C |
| Feeder System | Surf-Shooter SMT™ Continuous Strip Feeder Standard 24mm Tape Feeder |



Recommended Solder Pad Geometry for Horizontal Mount



Recommended Solder Pad Geometry for Vertical Mount

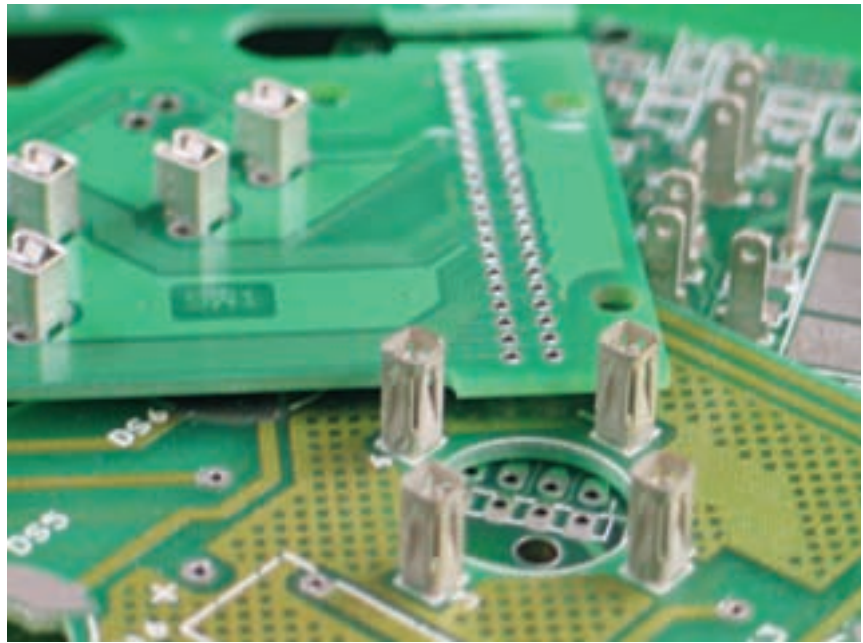


If your annual terminal usage is so low that you cannot justify the purchase of a terminal insertion machine, or if you have a work overload, Zierick has an alternative. We can insert Zierick terminals into your printed circuit board per your individual requirement.

All you do is ship us your bare boards, and we will insert all the Zierick terminals you need. Our Quality Control department will carefully inspect and certify these boards to assure they are within specifications.

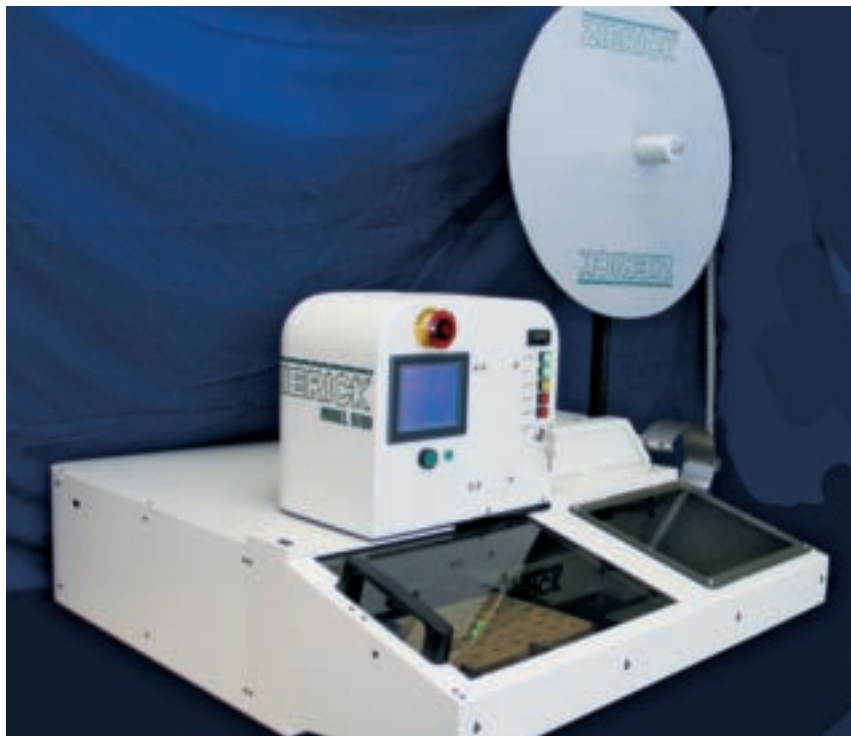
Then we ship the completed boards back to you for further processing. Your savings: capital equipment investment, large terminal inventory, and the need to use your own personnel to do the job.

Send a print of your board with the part numbers of the Zierick terminals required clearly marked to: Zierick Board Stuffing Service, 131 Radio Circle, Mount Kisco,



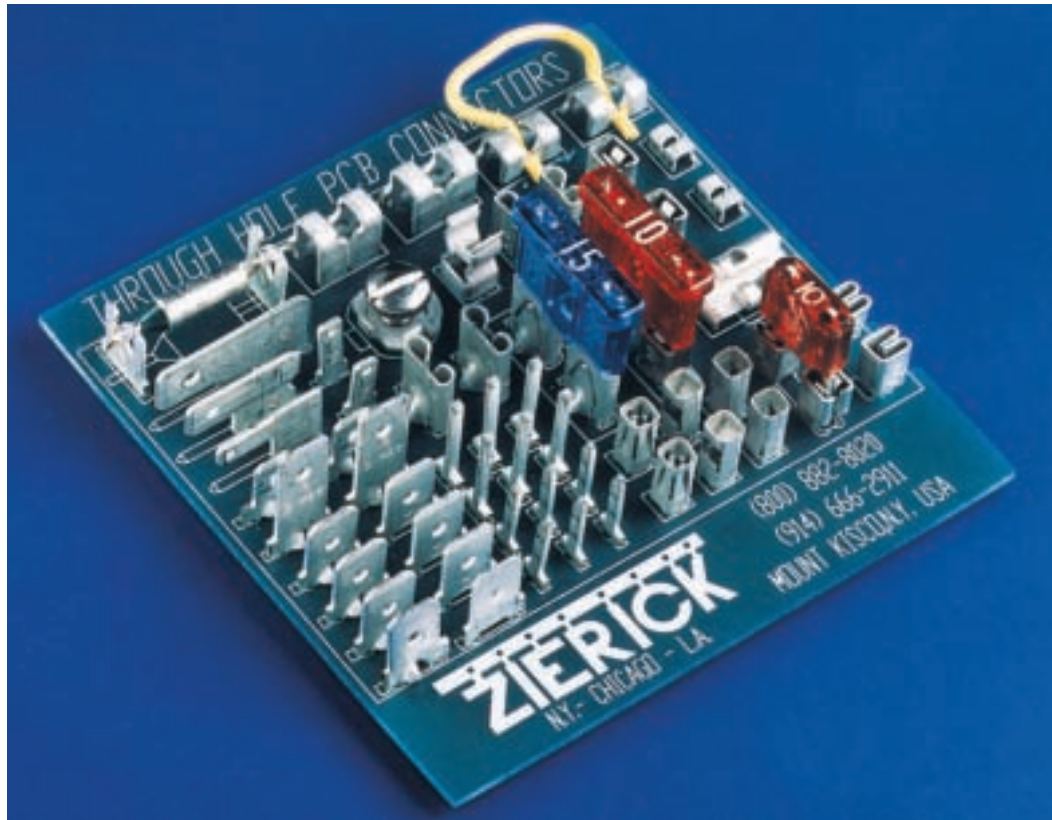
NY 10549. Include the number of boards you are expecting to need and we will provide you with a quote.

We can populate your boards with any of our standard parts.



Your Printed Circuit Boards will be handled with the utmost of care by our experienced staff. From receipt of your boards, through the population process, to packing and shipping, your satisfaction is our number one concern.

Zierick's family of automated and semi-automated terminal insertion systems is known for its reliability. Combine this with our knowledgeable applicator service department for a trouble-free experience. Our machines provide a great range of functionality and flexibility so that your job will be done quickly and reliably. Our machines can handle Printed Circuit Board Panels up to 12" x 12" in size.



Whether your Through-Hole Technology applications require a Quick Disconnect Tab, an Insulation Displacement Connector, a Test Point Terminal, a Screw Terminal, a Receptacle, a Post, or a Multi-Layer Circuit Board Connector, we can fulfill your needs.

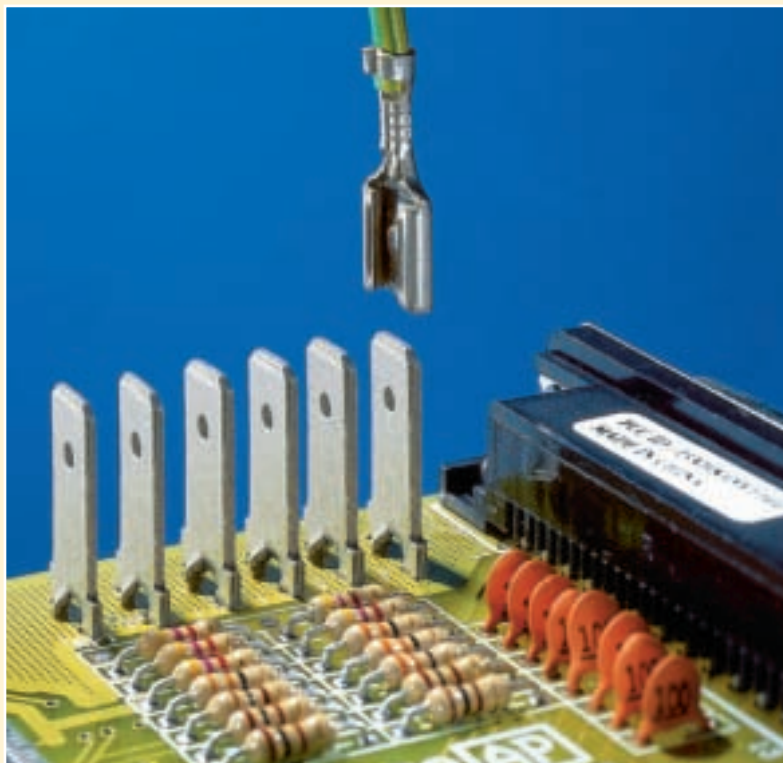
Zierick's unique features solve your most difficult interconnection problems: The **Accu-Lok™** retentive mounting feature, Zierick's **Torsion-Lok®** IDC, the **Stable-Lok®** feature which doubles terminal strength against deflection, the **Snap-In™** fuse clips' exclusive spring-load mounting technology,

and our **Accu-Pak™** receptacles are some of the reasons Zierick should be your choice for all your THT products.



Features and Benefits

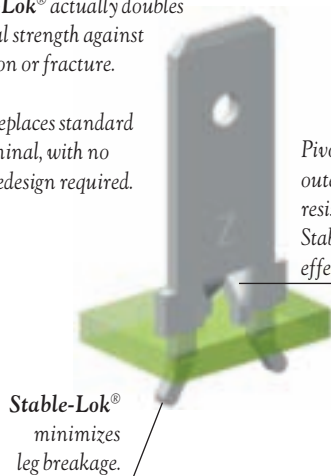
- Zierick's **Stable-Lok**® and **Accu-Lok**™ mounting features improve the terminal retention of quick disconnect terminals to the PCB.
- The **Stable-Lok**® mounting option doubles terminal strength against fracture or mounting leg breakage.
- The **Stable-Lok**® concept shifts pivot points to outer mounting areas for a stabilizing resistive torque.
- Tabs/Quick Disconnects are available in vertical or horizontal configurations, in loose piece or reels.
- **Stable-Lok**® terminals are available in 0.187" (4.75mm), 0.205" (5.21mm), and 0.250" (6.35mm) application sizes.
- Assembly can be accomplished with Zierick hand tools or Zierick semi- and fully-automated applicators.
- **Accu-Lok**™ mounting is designed for hole diameter tolerances as great as $\pm 0.004"$ ($\pm 0.10\text{mm}$) for either **Accu-Lok**™ or splay mounting types. The terminal leg enters freely



within the hole, with controlled splitting and forming of the leg. This eliminates stress and withstands repeated mating, withdrawal, and shock.

Stable-Lok® actually doubles terminal strength against deflection or fracture.

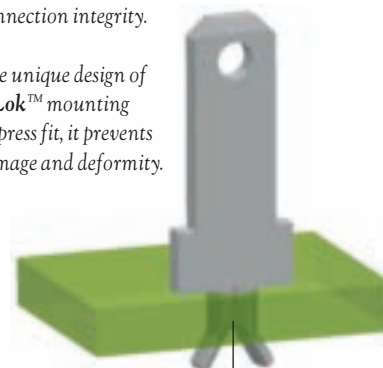
Easily replaces standard tab terminal, with no board redesign required.



Pivot points are shifted to outer areas for a stabilizing resistive torque. Stabilizers are most effective when "domed."

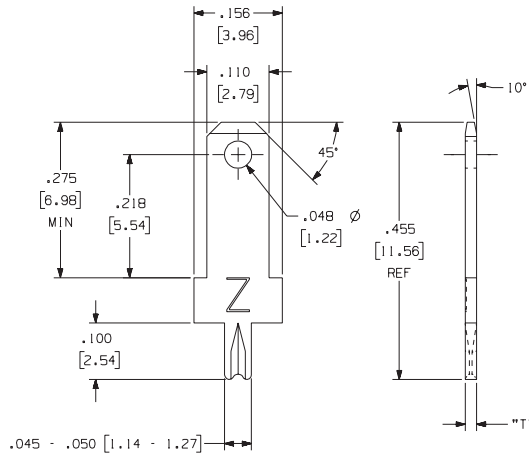
The **Accu-Lok**™ retentive mounting feature produces exceptional PCB assembly and interconnection integrity.

Since the unique design of **Accu-Lok**™ mounting is not a press fit, it prevents hole damage and deformity.



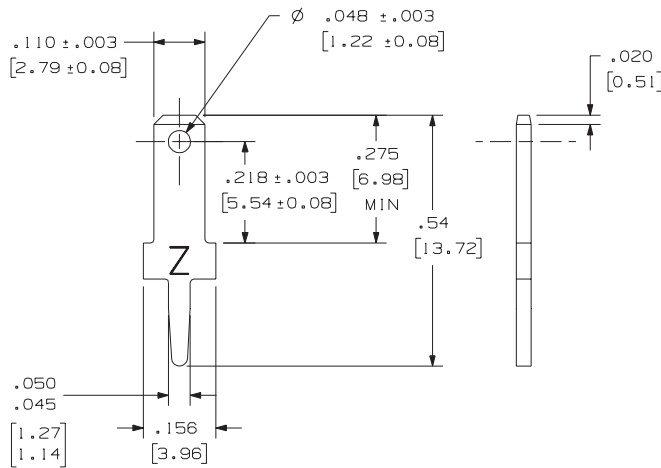
The PCB retention of **Accu-Lok**™ mounting is accomplished by a controlled splitting and forming of the terminal leg during insertion.

Part Numbers 1063, 1064, 6063, 6064



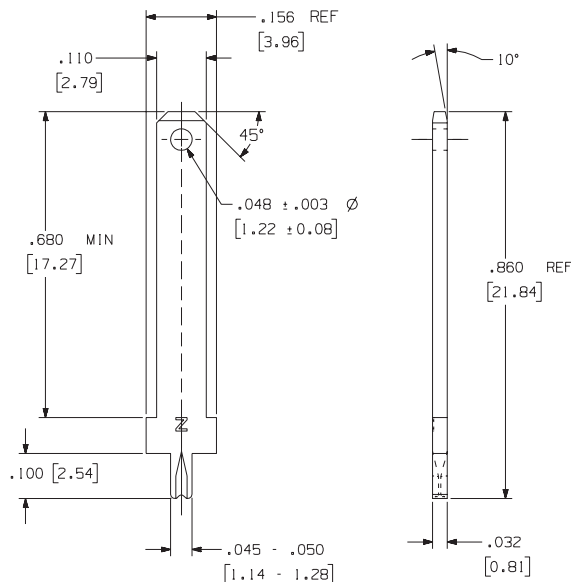
| | | |
|----------------------------------|---|---|
| Loose Part No. | 1063 | 1064 |
| Reeled Part No. | 6063 | 6064 |
| Mounting Type | Splay | Splay |
| Material Thickness / Type | 0.020" (0.51mm) Brass | 0.032" (0.81mm) Brass |
| Standard Finish | Loose: 100% Tin over Copper Reeled: 100% Tin over Copper | |
| Mounting Hole Diameter | 0.055" \pm 0.003" (1.40mm \pm 0.076mm) | 0.061" \pm 0.003" (1.55mm \pm 0.076mm) |
| Current Rating | 10 Amperes | |
| Applicator System | Loose: ZPT81-A Reeled: Model 9700, 9700 XY | |

Part Numbers 834, 835, 6834, 6835

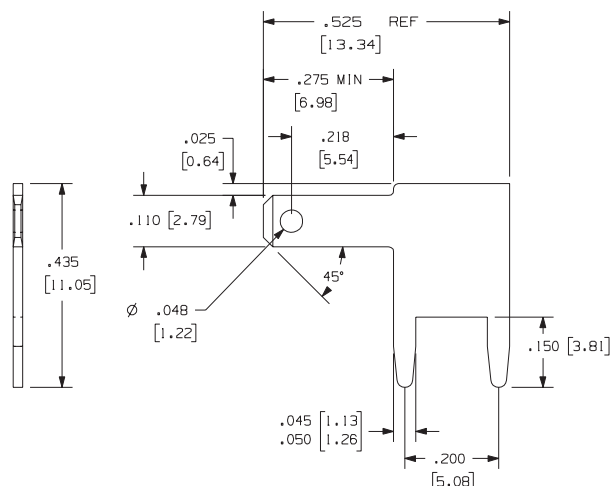


| | | |
|----------------------------------|---|---|
| Loose Part No. | 834 | 835 |
| Reeled Part No. | 6834 | 6835 |
| Mounting Type | Press-Fit | Press-Fit |
| Material Thickness / Type | 0.020" (0.51mm) Brass | 0.032" (0.81mm) Brass |
| Standard Finish | Loose: 100% Tin over Copper Reeled: 100% Tin over Copper | |
| Mounting Hole Diameter | 0.044" \pm 0.003" (1.12mm \pm 0.076mm) | 0.050" \pm 0.003" (1.27mm \pm 0.076mm) |
| Current Rating | 10 Amperes | |
| Applicator System | Loose: ZPT81-A Reeled: Model 9700, 9700 XY | |

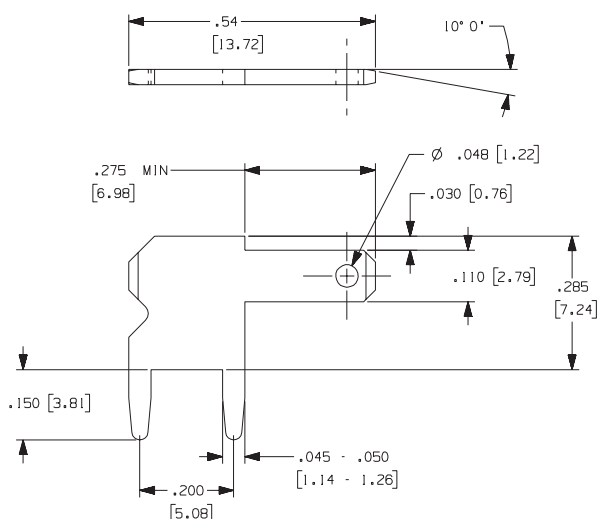
Part Numbers 1201, 6201



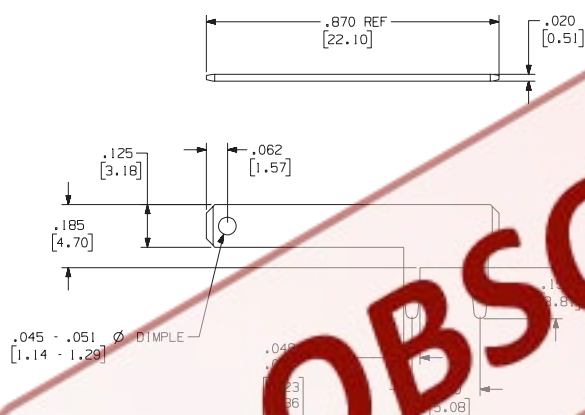
| | |
|----------------------------------|---|
| Loose Part No. | 1201 |
| Reeled Part No. | 6201 |
| Mounting Type | Splay |
| Material Thickness / Type | 0.032" (0.81mm) Brass |
| Standard Finish | Loose: 100% Tin over Copper Reeled: 100% Tin over Copper |
| Mounting Hole Diameter | 0.055" \pm 0.003" (1.40mm \pm 0.076mm) |
| Current Rating | 10 Amperes |
| Applicator System | Loose: ZPT81-A Reeled: Model 9700 XY |


Part Numbers 948, 949

| | | |
|----------------------------------|--|--|
| Loose Part No. | 948 | 949 |
| Reeled Part No. | N/A | N/A |
| Mounting Type | Outward or Inward Splay | |
| Material Thickness / Type | 0.032" (0.81mm) Brass | 0.020" (0.51mm) Brass |
| Standard Finish | 100% Tin over Copper | |
| Mounting Hole Diameter | 0.058" ± 0.003 " (1.47mm ± 0.076 mm) | 0.050" ± 0.003 " (1.27mm ± 0.076 mm) |
| Current Rating | 20 Amperes | |
| Applicator System | ZPT92-110 | |


Part Numbers 6948, 6949

| | | |
|----------------------------------|--|--|
| Loose Part No. | N/A | N/A |
| Reeled Part No. | 6948 | 6949 |
| Mounting Type | Outward or Inward Splay | |
| Material Thickness / Type | 0.032" (0.81mm) Brass | 0.020" (0.51mm) Brass |
| Standard Finish | Loose: 100% Tin over Copper | |
| Mounting Hole Diameter | 0.058" ± 0.003 " (1.47mm ± 0.076 mm) | 0.050" ± 0.003 " (1.27mm ± 0.076 mm) |
| Current Rating | 20 Amperes | |
| Applicator System | Model 9700, 9700 XY | |

0.125" (3.18mm) Tabs / Quick Disconnect Terminals

Part Number 6186

| | |
|----------------------------------|--|
| Loose Part No. | N/A |
| Reeled Part No. | 6186 |
| Mounting Type | Outward or Inward Splay |
| Material Thickness / Type | 0.020" (0.51mm) Brass |
| Standard Finish | Loose: 100% Tin over Copper |
| Mounting Hole Diameter | 0.050" ± 0.003 " (1.27mm ± 0.076 mm) |
| Current Rating | 20 Amperes |
| Applicator System | Model 9700, 9700 XY |



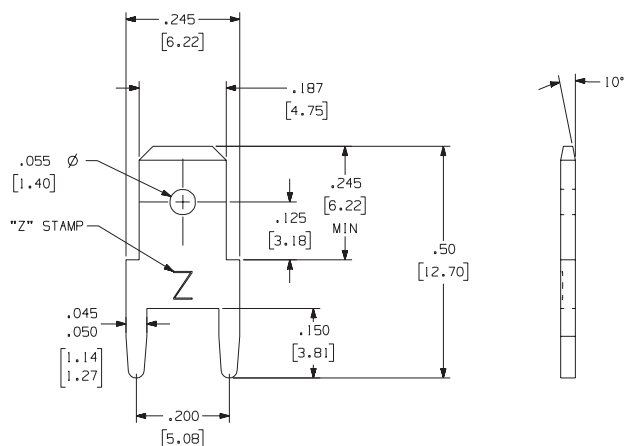
0.187" (3.18mm) Tabs / Quick Disconnect Terminals



Zierick recommends .006" stencil thickness for most applications. For other stencil thicknesses, call Zierick's product development department.

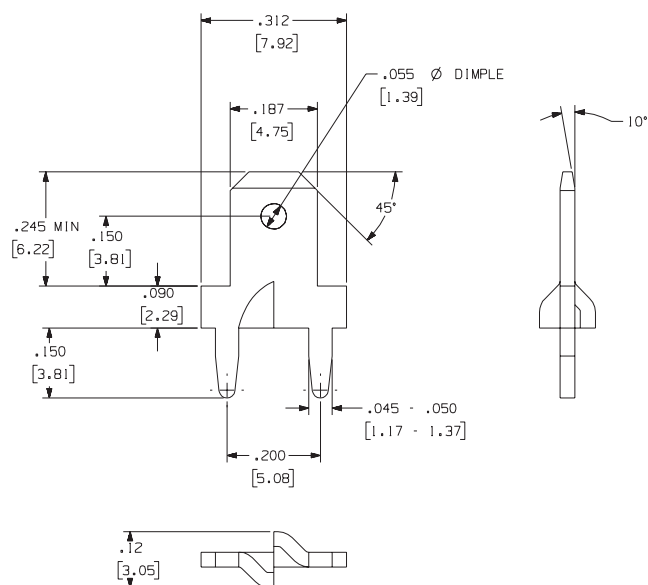


| | | |
|----------------------------------|---|---|
| Loose Part No. | 1027 | 1024 |
| Reeled Part No. | 6027 | 6024 |
| Mounting Type | Outward or Inward Splay | |
| Material Thickness / Type | 0.020" (0.51mm) Brass | 0.032" (0.81mm) Brass |
| Standard Finish | Loose: 100% Tin over Copper Reeled: 100% Tin over Copper | |
| Mounting Hole Diameter | 0.050" \pm 0.003" (1.27mm \pm 0.076mm) | 0.058" \pm 0.003" (1.47mm \pm 0.076mm) |
| Current Rating | 20 Amperes | |
| Applicator System | Loose: ZPT81-A Reeled: Model 9700, 9700 XY | |



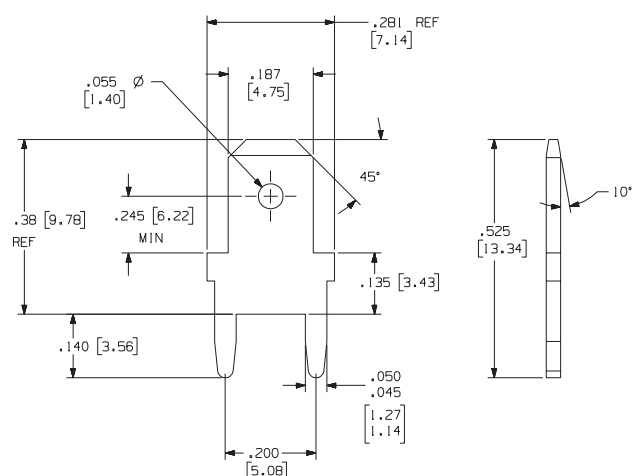
Part Numbers 895, 894, 6895, 6894

| | | |
|----------------------------------|---|--|
| Loose Part No. | 895 | 894 |
| Reeled Part No. | 6895 | 6894 |
| Mounting Type | Outward or Inward Splay | |
| Material Thickness / Type | 0.020" (0.51mm) Brass | 0.032" (0.81mm) Brass |
| Standard Finish | Loose: 100% Tin over Copper Reeled: 100% Tin over Copper | |
| Mounting Hole Diameter | 0.050" ± 0.003 " (1.27mm ± 0.076 mm) | 0.058" ± 0.003 " (1.47mm ± 0.076 mm) |
| Current Rating | 20 Amperes | |
| Applicator System | Loose: ZPT81-A Reeled: Model 9700, 9700 XY | |



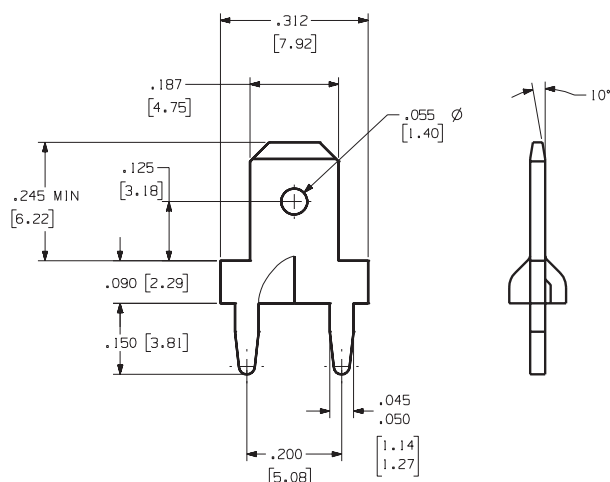
Part Numbers 1282, 6282

| | |
|----------------------------------|---|
| Loose Part No. | 1282 |
| Reeled Part No. | 6282 |
| Mounting Type | Outward or Inward Splay |
| Material Thickness / Type | 0.020" (0.51mm) Brass |
| Standard Finish | Loose: 100% Tin over Copper |
| Mounting Hole Diameter | 0.050" ± 0.003 " (1.27mm ± 0.076 mm) |
| Current Rating | 10 Amperes |
| Applicator System | Loose: ZPT81-A Reeled: Model 9700, 9700 XY |



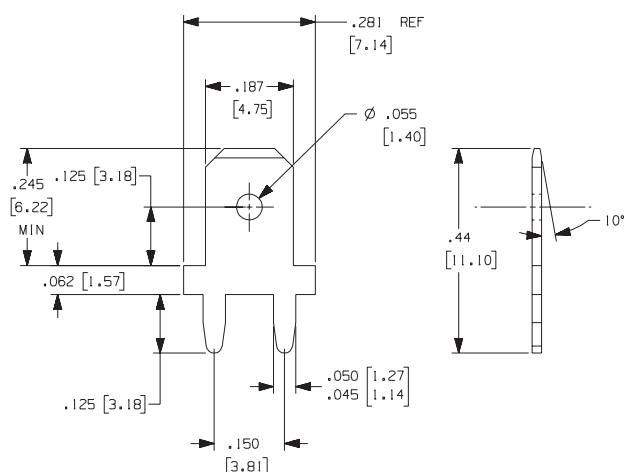
Part Numbers 6134, 6142

| | | |
|----------------------------------|--|--|
| Loose Part No. | N/A | N/A |
| Reeled Part No. | 6134 | 6142 |
| Mounting Type | Outward or Inward Splay | |
| Material Thickness / Type | 0.020" (0.51mm) Brass | 0.032" (0.81mm) Brass |
| Standard Finish | 100% Tin over Copper | |
| Mounting Hole Diameter | 0.050" ± 0.003 " (1.27mm ± 0.076 mm) | 0.058" ± 0.003 " (1.47mm ± 0.076 mm) |
| Current Rating | 20 Amperes | |
| Applicator System | Reeled: Model 9700, 9700 XY | |



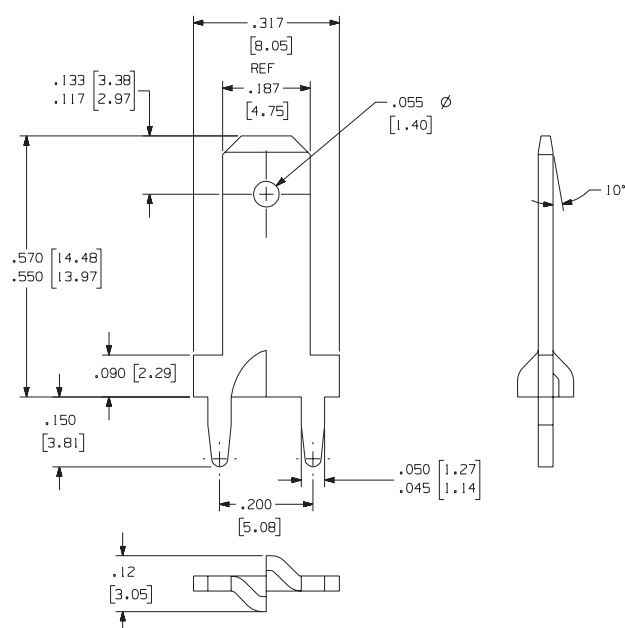
Part Numbers 1141, 6140, 6141

| | | |
|----------------------------------|---|--|
| Loose Part No. | N/A | 1141 |
| Reeled Part No. | 6140 | 6141 |
| Mounting Type | Outward or Inward Splay | |
| Material Thickness / Type | 0.020" (0.51mm) Brass | 0.032" (0.81mm) Brass |
| Standard Finish | Loose: 100% Tin over Copper Reeled: 100% Tin over Copper | |
| Mounting Hole Diameter | 0.050" \pm 0.003" (1.27mm \pm 0.076mm) | 0.058" \pm 0.003" (1.47mm \pm 0.076mm) |
| Current Rating | 20 Amperes | |
| Applicator System | Loose: ZPT81-A Reeled: Model 9700, 9700 XY | |



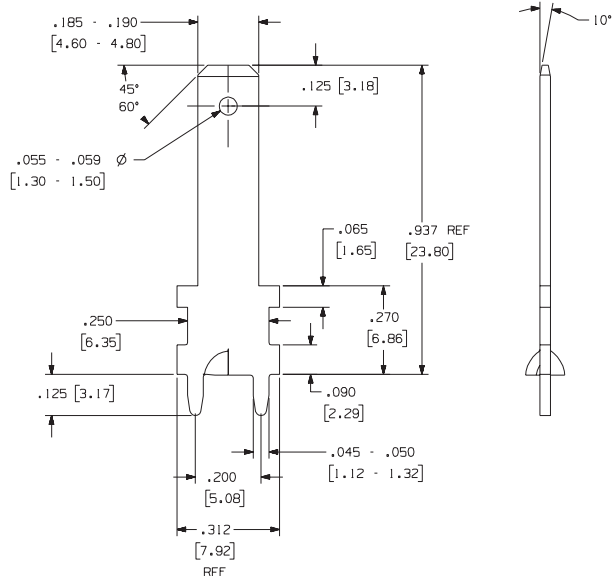
Part Numbers 1077, 6078, 6077

| | | |
|----------------------------------|---|--|
| Loose Part No. | N/A | 1077 |
| Reeled Part No. | 6078 | 6077 |
| Mounting Type | Outward Splay | |
| Material Thickness / Type | 0.020" (0.51mm) Brass | 0.032" (0.81mm) Brass |
| Standard Finish | Loose: 100% Tin over Copper Reeled: 100% Tin over Copper | |
| Mounting Hole Diameter | 0.050" \pm 0.003" (1.27mm \pm 0.076mm) | 0.058" \pm 0.003" (1.47mm \pm 0.076mm) |
| Current Rating | 20 Amperes | |
| Applicator System | Loose: ZPT81-A Reeled: Model 9700, 9700 XY | |



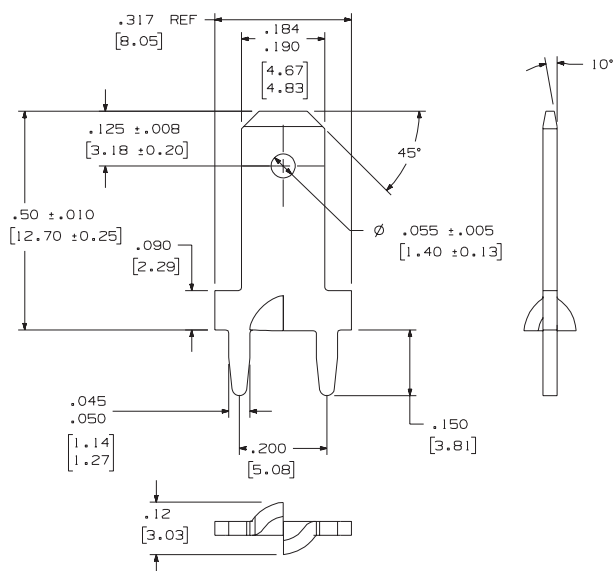
Part Numbers 1042, 6042

| | | |
|----------------------------------|---|--|
| Loose Part No. | 1042 | |
| Reeled Part No. | 6042 | |
| Mounting Type | Outward or Inward Splay | |
| Material Thickness / Type | 0.032" (0.81mm) Brass | |
| Standard Finish | Loose: 100% Tin over Copper Reeled: 100% Tin over Copper | |
| Mounting Hole Diameter | 0.058" \pm 0.003" (1.47mm \pm 0.076mm) | |
| Current Rating | 20 Amperes | |
| Applicator System | Loose: ZPT81-A Reeled: Model 9700, 9700 XY | |



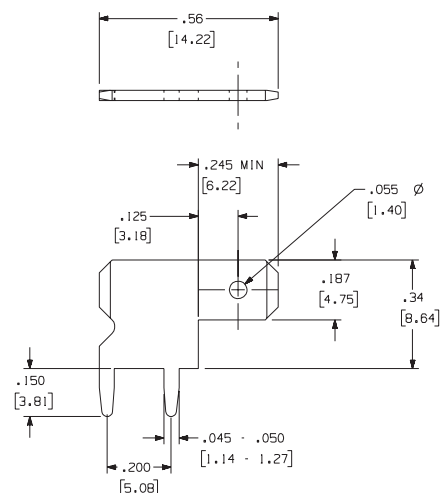
Part Numbers 1172, 6172

| | |
|----------------------------------|---|
| Loose Part No. | 1172 |
| Reeled Part No. | 6172 |
| Mounting Type | Outward or Inward Splay |
| Material Thickness / Type | 0.032" (0.81mm) Brass |
| Standard Finish | Loose: 100% Tin over Copper Reeled: 100% Tin over Copper |
| Mounting Hole Diameter | 0.058" ± 0.003 " (1.47mm ± 0.076) |
| Current Rating | 20 Amperes |
| Applicator System | Loose: ZPT81-A Reeled: Model 9700, 9700 XY |



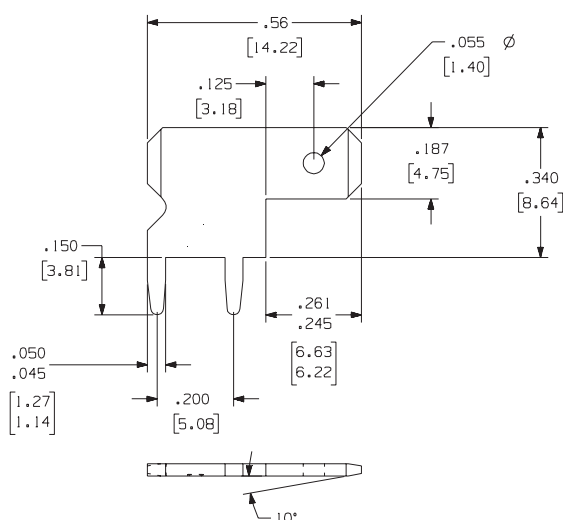
Part Number 1166

| | |
|----------------------------------|---|
| Loose Part No. | 1166 |
| Reeled Part No. | N/A |
| Mounting Type | Outward Splay |
| Material Thickness / Type | 0.020" (0.51mm) Brass |
| Standard Finish | Loose: 100% Tin over Copper Reeled: 100% Tin over Copper |
| Mounting Hole Diameter | 0.058" ± 0.003 " (1.47mm ± 0.076) |
| Current Rating | 20 Amperes |
| Applicator System | Loose: ZPT81-A Reeled: Model 9700, 9700 XY |



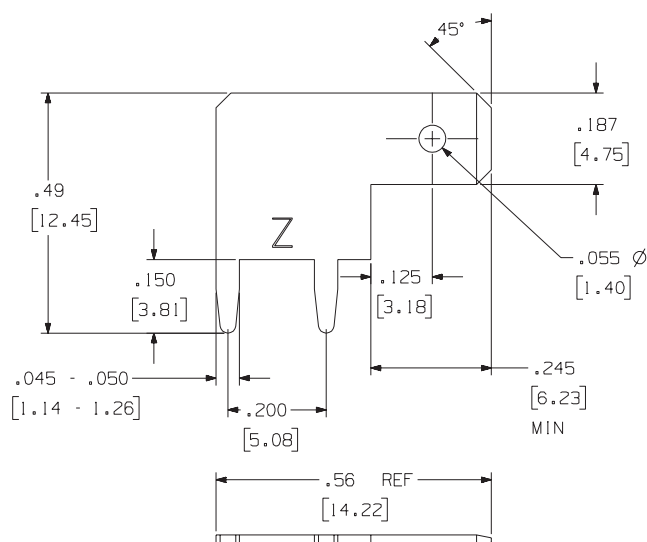
Part Numbers 6956, 6957

| | | |
|----------------------------------|--|--|
| Loose Part No. | N/A | N/A |
| Reeled Part No. | 6956 | 6957 |
| Mounting Type | Outward or Inward Splay | |
| Material Thickness / Type | 0.020" (0.51mm) Brass | 0.032" (0.81mm) Brass |
| Standard Finish | 100% Tin over Copper | |
| Mounting Hole Diameter | 0.050" ± 0.003 " (1.27mm ± 0.076 mm) | 0.058" ± 0.003 " (1.47mm ± 0.076 mm) |
| Current Rating | 20 Amperes | |
| Applicator System | Model 9700, 9700 XY | |



Part Numbers 6148, 6149

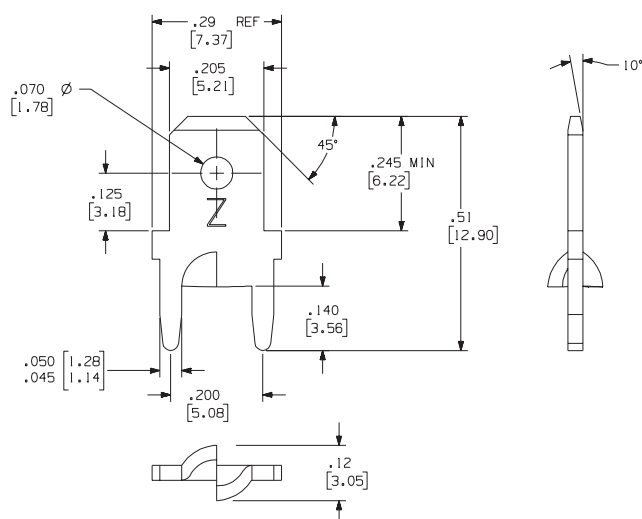
| | | |
|---------------------------|--------------------------------|--------------------------------|
| Loose Part No. | N/A | N/A |
| Reeled Part No. | 6148 | 6149 |
| Mounting Type | Outward or Inward Splay | |
| Material Thickness / Type | 0.032" (0.81mm) Brass | 0.020" (0.51mm) Brass |
| Standard Finish | 100% Tin over Copper | |
| Mounting Hole Diameter | 0.058" ±0.003" (1.47mm ±0.076) | 0.050" ±0.003" (1.27mm ±0.076) |
| Current Rating | 20 Amperes | |
| Applicator System | Model 9700, 9700 XY | |



Part Numbers 956, 957

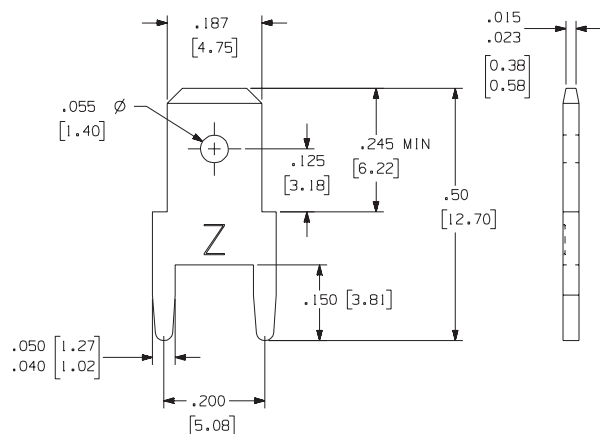
| | | |
|---------------------------|--------------------------------|--------------------------------|
| Loose Part No. | 956 | 957 |
| Mounting Type | Outward or Inward Splay | |
| Material Thickness / Type | 0.020" (0.51mm) Brass | 0.032" (0.81mm) Brass |
| Standard Finish | 100% Tin over Copper | |
| Mounting Hole Diameter | 0.050" ±0.003" (1.27mm ±0.076) | 0.058" ±0.003" (1.47mm ±0.076) |
| Current Rating | 20 Amperes | |
| Applicator System | ZPT92-187 | |

0.205" (5.021mm) Tabs / Quick Disconnect Terminals

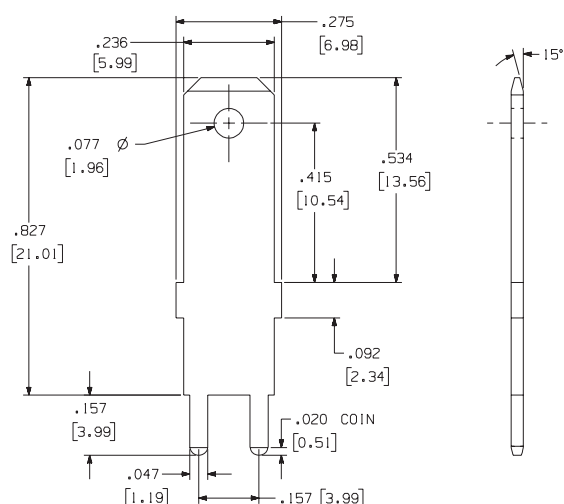


Part Numbers 1066, 1065, 6065

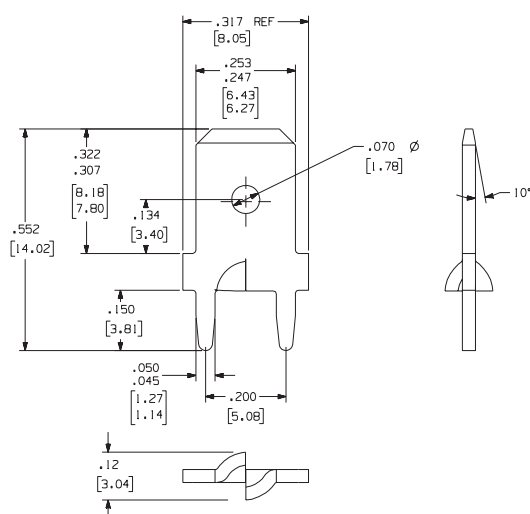
| | | |
|---------------------------|---|--------------------------------|
| Loose Part No. | 1066 | 1065 |
| Reeled Part No. | | 6065 |
| Mounting Type | Outward or Inward Splay | |
| Material Thickness / Type | 0.020" (0.51mm) Brass | 0.032" (0.81mm) Brass |
| Standard Finish | Loose: 100% Tin over Copper Reeled: 100% Tin over Copper | |
| Mounting Hole Diameter | 0.050" ±0.003" (1.27mm ±0.076) | 0.058" ±0.003" (1.47mm ±0.076) |
| Current Rating | 20 Amperes | |
| Applicator System | Loose: ZPT81-A Reeled: Model 9700, 9700 XY | |


Part Numbers 893, 892

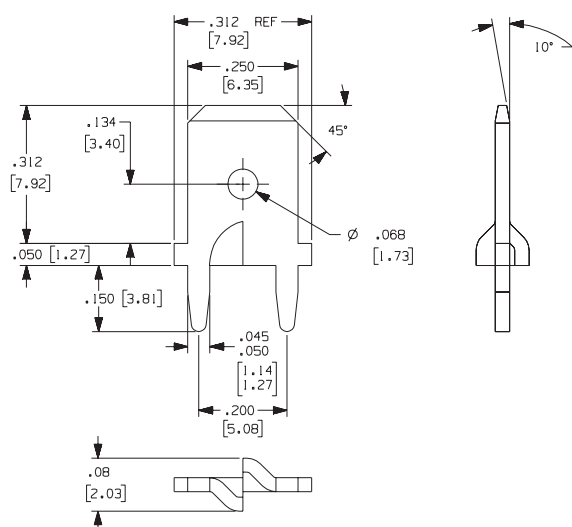
| Loose Part No. | 893 | 892 |
|---------------------------|--|--|
| Reeled Part No. | N/A | N/A |
| Mounting Type | Outward or Inward Splay | |
| Material Thickness / Type | 0.020" (0.51mm) Brass | 0.032" (0.81mm) Brass |
| Standard Finish | 100% Tin over Copper | |
| Mounting Hole Diameter | 0.050" ± 0.003 " (1.27mm ± 0.076) | 0.058" ± 0.003 " (1.47mm ± 0.076) |
| Current Rating | 20 Amperes | |
| Applicator System | ZPT81-A | |

0.236" (5.99mm) Tabs / Quick Disconnect Terminals

Part Numbers 1115, 6115

| Loose Part No. | 1115 |
|---------------------------|---|
| Reeled Part No. | 6115 |
| Mounting Type | Outward Splay |
| Material Thickness / Type | 0.032" (0.81mm) Brass |
| Standard Finish | Loose: 100% Tin over Copper Reeled: 100% Tin over Copper |
| Mounting Hole Diameter | 0.058" ± 0.003 " (1.47mm ± 0.076) |
| Current Rating | 20 Amperes |
| Applicator System | Loose: ZPT81-A Reeled: Model 9700, 9700 XY |

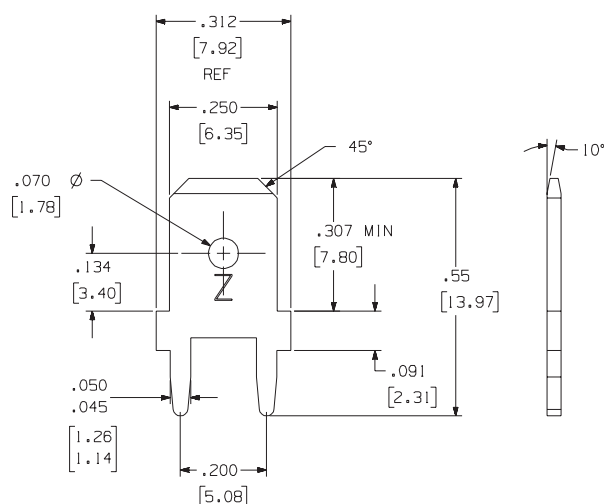
0.250" (6.35mm) Tabs / Quick Disconnect Terminals

Part Numbers 1021, 6021, 1198, 6198

| Loose Part No. | 1021 | 1198 |
|---------------------------|---|------------------------|
| Reeled Part No. | 6021 | 6198 |
| Dim 'A' | 0.134" (3.40mm) | 0.160" (4.06mm) |
| Feature 'B' | 0.070" (1.78mm) HOLE | 0.070" (1.78mm) DIMPLE |
| Mounting Type | Outward or Inward Splay | |
| Material Thickness / Type | 0.032" (0.81mm) Brass | |
| Standard Finish | Loose: 100% Tin over Copper Reeled: 100% Tin over Copper | |
| Mounting Hole Diameter | 0.058" ± 0.003 " (1.47mm ± 0.076) | |
| Current Rating | 20 Amperes | |
| Applicator System | Loose: ZPT81-A Reeled: Model 9700, 9700 XY | |



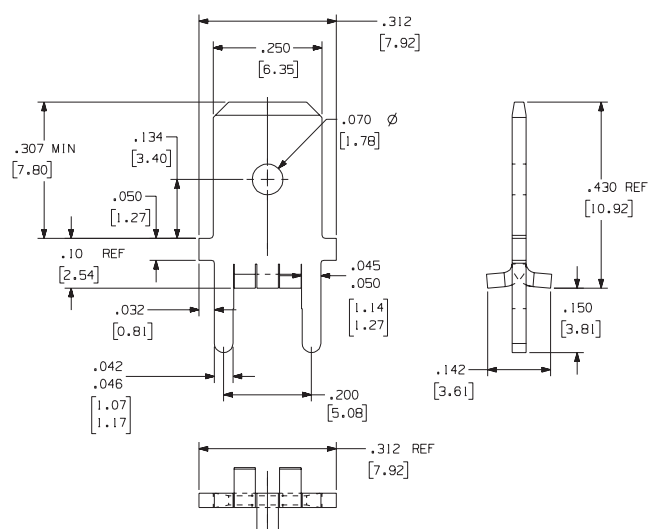
Part Numbers 1061, 6061

| | |
|----------------------------------|---|
| Loose Part No. | 1061 |
| Reeled Part No. | 6061 |
| Mounting Type | Outward or Inward Splay |
| Material Thickness / Type | 0.032" (0.81mm) Brass |
| Standard Finish | Loose: 100% Tin over Copper Reeled: 100% Tin over Copper |
| Mounting Hole Diameter | 0.058" ±0.003" (1.47mm ±0.076) |
| Current Rating | 20 Amperes |
| Applicator System | Loose: ZPT81-A Reeled: Model 9700, 9700 XY |



Part Numbers 836, 6836

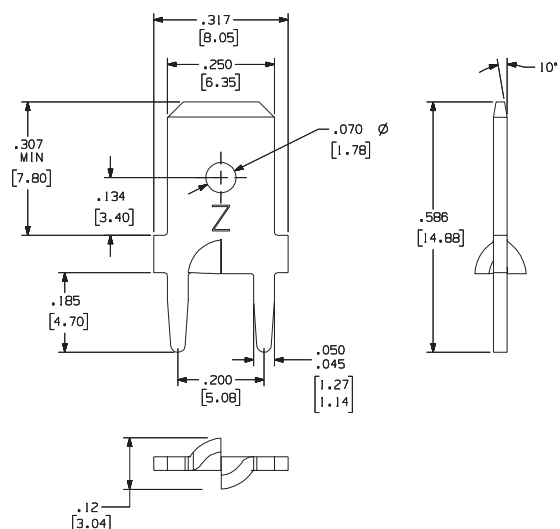
| | |
|----------------------------------|---|
| Loose Part No. | 836 |
| Reeled Part No. | 6836 |
| Mounting Type | Outward or Inward Splay |
| Material Thickness / Type | 0.032" (0.81mm) Brass |
| Standard Finish | Loose: 100% Tin over Copper Reeled: 100% Tin over Copper |
| Mounting Hole Diameter | 0.058" ±0.003" (1.47mm ±0.076) |
| Current Rating | 20 Amperes |
| Applicator System | Loose: ZPT81-A Reeled: Model 9700, 9700 XY |



Part Number 6284

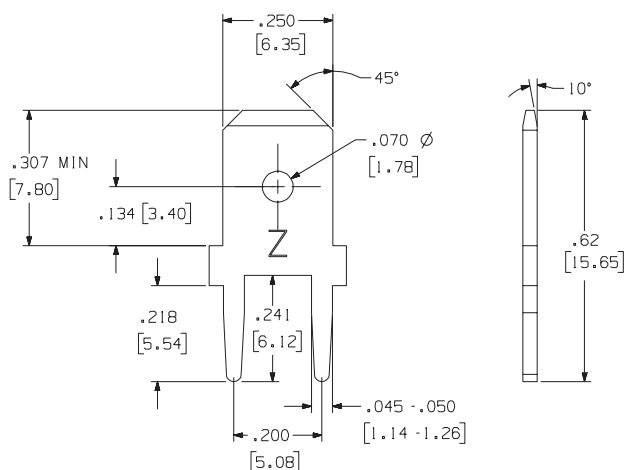
| | |
|----------------------------------|--|
| Loose Part No. | N/A |
| Reeled Part No. | 6284 |
| Mounting Type | Drop-In Fit |
| Hole Dimension | 0.070" (1.78mm) hole |
| Material Thickness / Type | 0.032" (0.81mm) Brass |
| Standard Finish | 100% Tin over Copper |
| Mounting Hole Diameter | 0.058" ±0.003" (1.47mm ±0.076) |
| Current Rating | 20 AMPS |
| Feeder/Applicator System | For SMT Applications: Surf-Shooter SMT Continuous Strip Feeder For THT Applications: Model 9700 Model 9700 XY |

Zierick recommends .006" stencil thickness for most applications. For other stencil thicknesses, call Zierick's product development department.



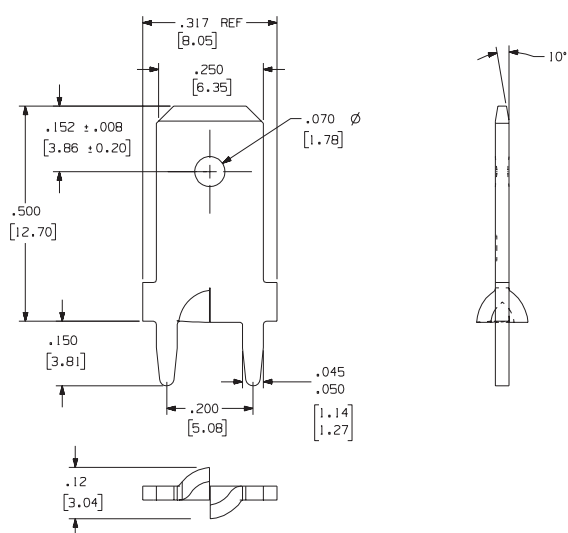
Part Numbers 1060, 6060

| | |
|----------------------------------|---|
| Loose Part No. | 1060 |
| Reeled Part No. | 6060 |
| Mounting Type | Outward or Inward Splay |
| Material Thickness / Type | 0.032" (0.81mm) Brass |
| Standard Finish | Loose: 100% Tin over Copper Reeled: 100% Tin over Copper |
| Mounting Hole Diameter | 0.058" ± 0.003 " (1.47mm ± 0.076) |
| Current Rating | 20 Amperes |
| Applicator System | Loose: ZPT81-A Reeled: Model 9700, 9700 XY |



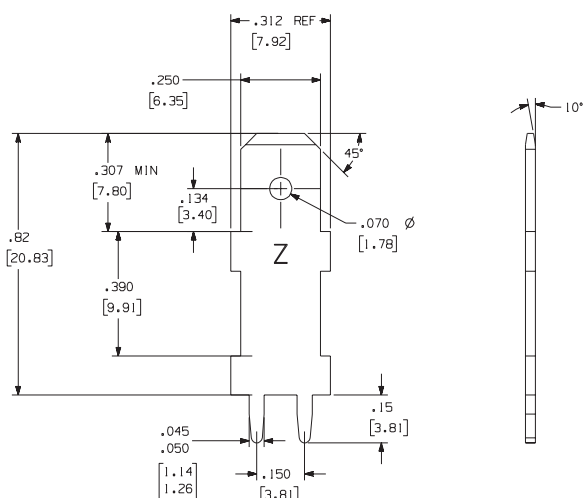
Part Number 906

| | |
|----------------------------------|--|
| Loose Part No. | 906 |
| Reeled Part No. | N/A |
| Mounting Type | Outward or Inward Splay |
| Material Thickness / Type | 0.032" (0.81mm) Brass |
| Standard Finish | 100% Tin over Copper |
| Mounting Hole Diameter | 0.058" ± 0.003 " (1.47mm ± 0.076) |
| Current Rating | 20 Amperes |
| Applicator System | ZPT81-A |



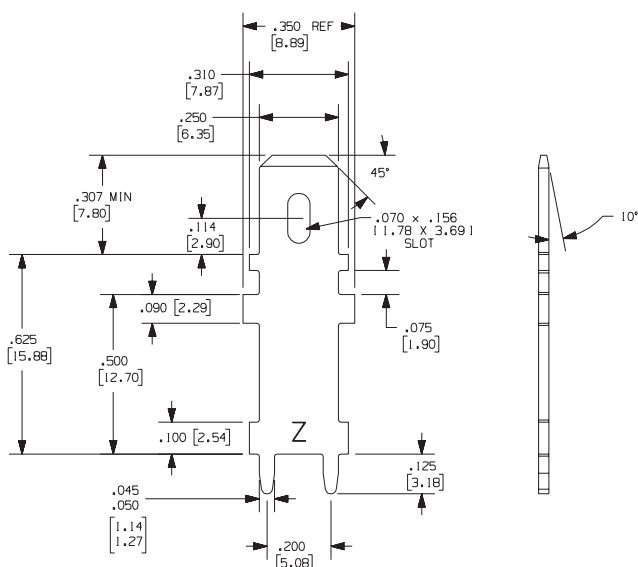
Part Numbers 1045, 6045

| | |
|----------------------------------|---|
| Loose Part No. | 1045 |
| Reeled Part No. | 6045 |
| Mounting Type | Outward or Inward Splay |
| Material Thickness / Type | 0.032" (0.81mm) Brass |
| Standard Finish | Loose: 100% Tin over Copper Reeled: 100% Tin over Copper |
| Mounting Hole Diameter | 0.058" ± 0.003 " (1.47mm ± 0.076) |
| Current Rating | 20 Amperes |
| Applicator System | Loose: ZPT81-A Reeled: Model 9700, 9700 XY |



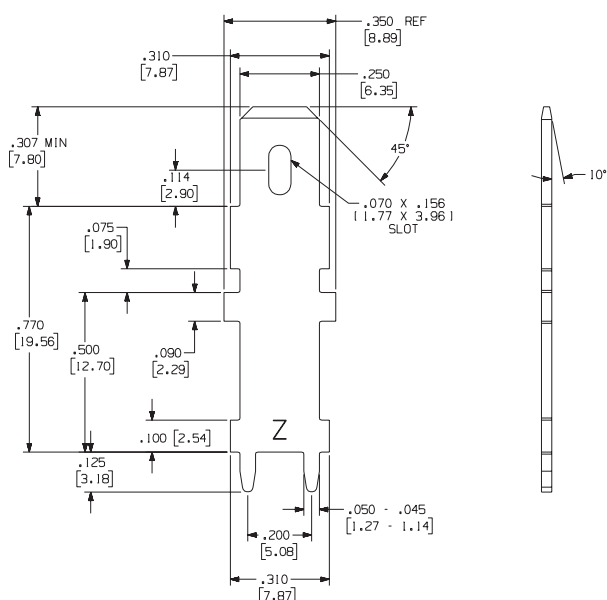
Part Number 953-MOD

| | |
|---------------------------|--------------------------------|
| Loose Part No. | 953-MOD |
| Reeled Part No. | N/A |
| Mounting Type | Outward Splay |
| Material Thickness / Type | 0.032" (0.81mm) Brass |
| Standard Finish | 100% Tin over Copper |
| Mounting Hole Diameter | 0.058" ±0.003" (1.47mm ±0.076) |
| Current Rating | 20 Amperes |
| Applicator System | ZPT81-A |



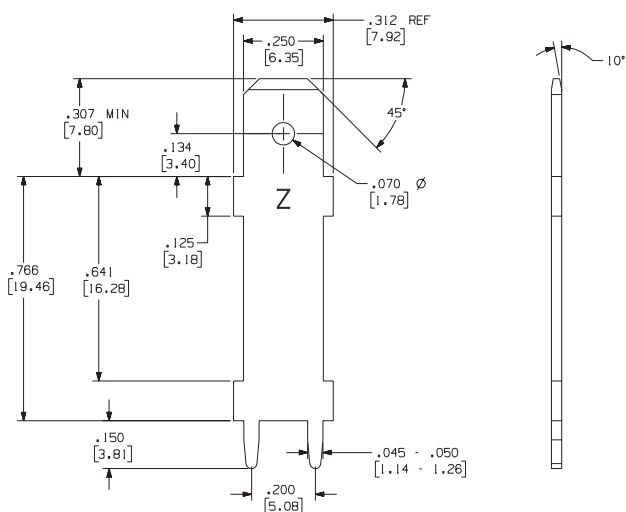
Part Numbers 1113, 6113

| | |
|---------------------------|---|
| Loose Part No. | 1113 |
| Reeled Part No. | 6113 |
| Mounting Type | Outward or Inward Splay |
| Material Thickness / Type | 0.032" (0.81mm) Brass |
| Standard Finish | Loose: 100% Tin over Copper Reeled: 100% Tin over Copper |
| Mounting Hole Diameter | 0.058" ±0.003" (1.47mm ±0.076) |
| Current Rating | 20 Amperes |
| Applicator System | Loose: ZPT81-A Reeled: Model 9700, 9700 XY |

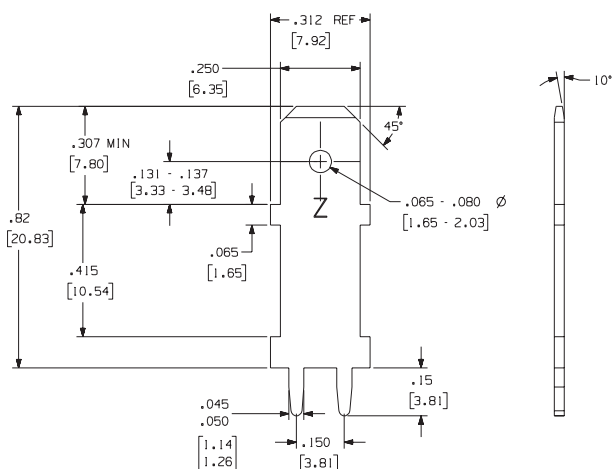


Part Numbers 1112, 6112

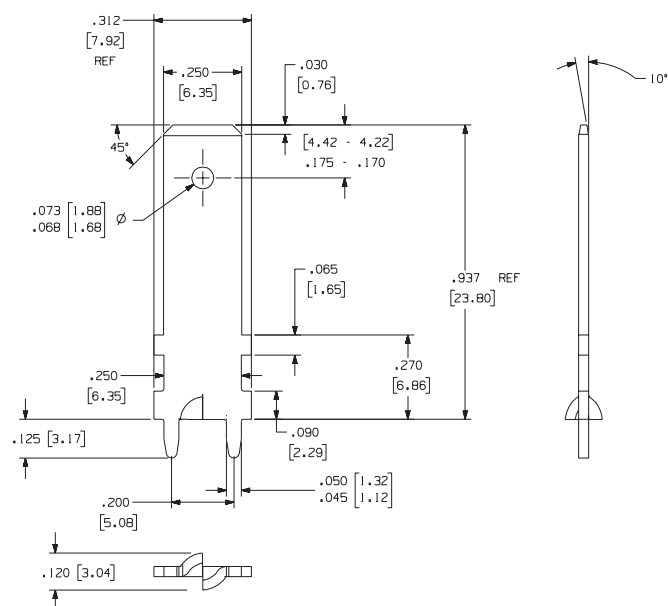
| | |
|---------------------------|---|
| Loose Part No. | 1112 |
| Reeled Part No. | 6112 |
| Mounting Type | Outward or Inward Splay |
| Material Thickness / Type | 0.032" (0.81mm) Brass |
| Standard Finish | Loose: 100% Tin over Copper Reeled: 100% Tin over Copper |
| Mounting Hole Diameter | 0.058" ±0.003" (1.47mm ±0.076) |
| Current Rating | 20 Amperes |
| Applicator System | Loose: ZPT81-A Reeled: Model 9700, 9700 XY |

**Part Number 953**

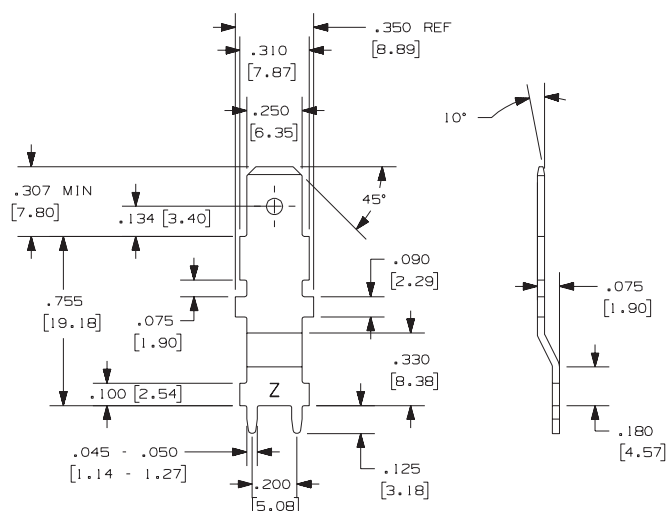
| | |
|----------------------------------|--|
| Loose Part No. | 953 |
| Reeled Part No. | N/A |
| Mounting Type | Outward Splay |
| Material Thickness / Type | 0.032" (0.81mm) Brass |
| Standard Finish | 100% Tin over Copper |
| Mounting Hole Diameter | 0.058" \pm 0.003" (1.47mm \pm 0.076) |
| Current Rating | 20 Amperes |
| Applicator System | ZPT81-A |

**Part Number 6110**

| | |
|----------------------------------|--|
| Loose Part No. | N/A |
| Reeled Part No. | 6110 |
| Mounting Type | Outward Splay |
| Material Thickness / Type | 0.032" (0.81mm) Brass |
| Standard Finish | 100% Tin over Copper |
| Mounting Hole Diameter | 0.058" \pm 0.003" (1.47mm \pm 0.076) |
| Current Rating | 20 Amperes |
| Applicator System | Model 9700, 9700 XY |

**Part Numbers 1173, 6173**

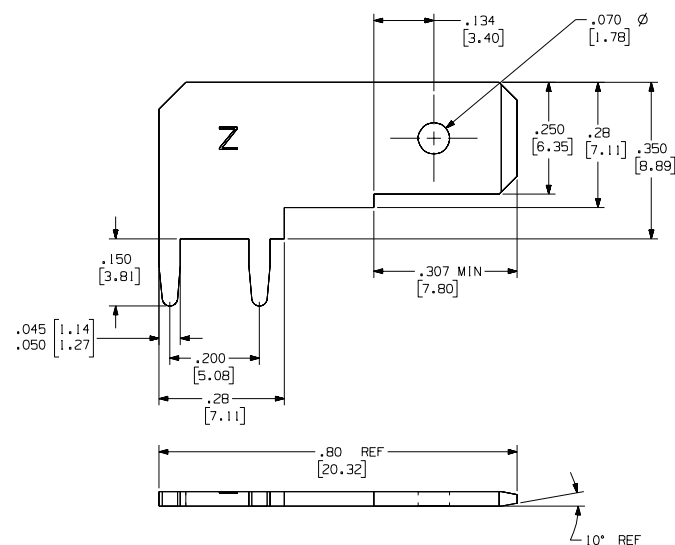
| | |
|----------------------------------|---|
| Loose Part No. | 1173 |
| Reeled Part No. | 6173 |
| Mounting Type | Outward or Inward Splay |
| Material Thickness / Type | 0.032" (0.81mm) Brass |
| Standard Finish | Loose: 100% Tin over Copper Reeled: 100% Tin over Copper |
| Mounting Hole Diameter | 0.058" \pm 0.003" (1.47mm \pm 0.076) |
| Current Rating | 20 Amperes |
| Applicator System | Loose: ZPT81-A Reeled: Model 9700, 9700 XY |



Part Number 1131

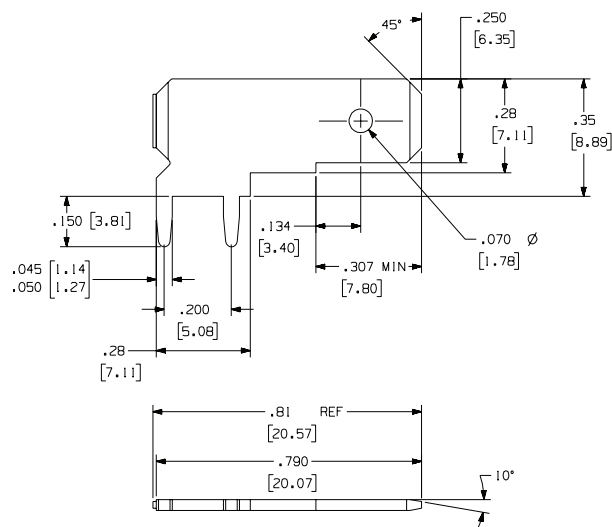
| | |
|----------------------------------|--------------------------------|
| Loose Part No. | 1131 |
| Reeled Part No. | N/A |
| Mounting Type | Outward or Inward Splay |
| Material Thickness / Type | 0.032" (0.81mm) Brass |
| Standard Finish | 100% Tin over Copper |
| Mounting Hole Diameter | 0.058" ±0.003" (1.47mm ±0.076) |
| Current Rating | 30 Amperes |
| Applicator System | ZPT81-1131 |

0.250" (6.35mm) Right Angle Tabs / Quick Disconnect Terminals



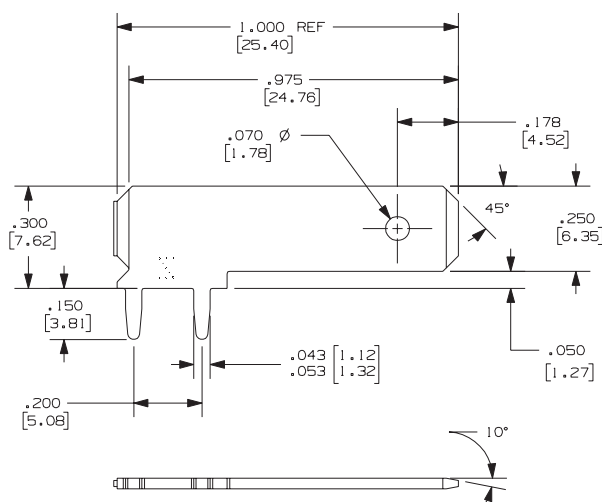
Part Number 901

| | |
|----------------------------------|--------------------------------|
| Loose Part No. | 901 |
| Reeled Part No. | N/A (see PN 6901) |
| Mounting Type | Outward or Inward Splay |
| Material Thickness / Type | 0.032" (0.81mm) Brass |
| Standard Finish | 100% Tin over Copper |
| Mounting Hole Diameter | 0.058" ±0.003" (1.47mm ±0.076) |
| Current Rating | 20 Amperes |
| Applicator System | ZPT92-250 |



Part Number 6901

| | |
|----------------------------------|--------------------------------|
| Loose Part No. | N/A (see PN 901) |
| Reeled Part No. | 6901 |
| Mounting Type | Outward or Inward Splay |
| Material Thickness / Type | 0.032" (0.81mm) Brass |
| Standard Finish | 100% Tin over Copper |
| Mounting Hole Diameter | 0.058" ±0.003" (1.47mm ±0.076) |
| Current Rating | 20 Amperes |
| Applicator System | Model 9700, 9700 XY |



Part Numbers 6080, 6152

| Reeled Part No. | 6080 | 6152 |
|---------------------------|--------------------------------|---------|
| Feature 'A' | 0.070" (1.78mm) HOLE | No Hole |
| Mounting Type | Outward or Inward Splay | |
| Material Thickness / Type | 0.032" (0.81mm) Brass | |
| Standard Finish | 100% Tin over Copper | |
| Mounting Hole Diameter | 0.058" ±0.003" (1.47mm ±0.076) | |
| Current Rating | 20 Amperes | |
| Applicator System | Model 9700, 9700 XY | |

Underwriters Lab

Zierick Manufacturing Corporation is pleased to advise that the majority of our quick disconnect tabs are recognized to U.S. and Canadian requirements under the Component Recognition Program of Underwriters Laboratories, Inc. The Component Program of Underwriters Laboratories, Inc. assures that quick disconnect terminals meet the requirements of the Underwriters Laboratories, Inc. specification number ANSI UL 310.

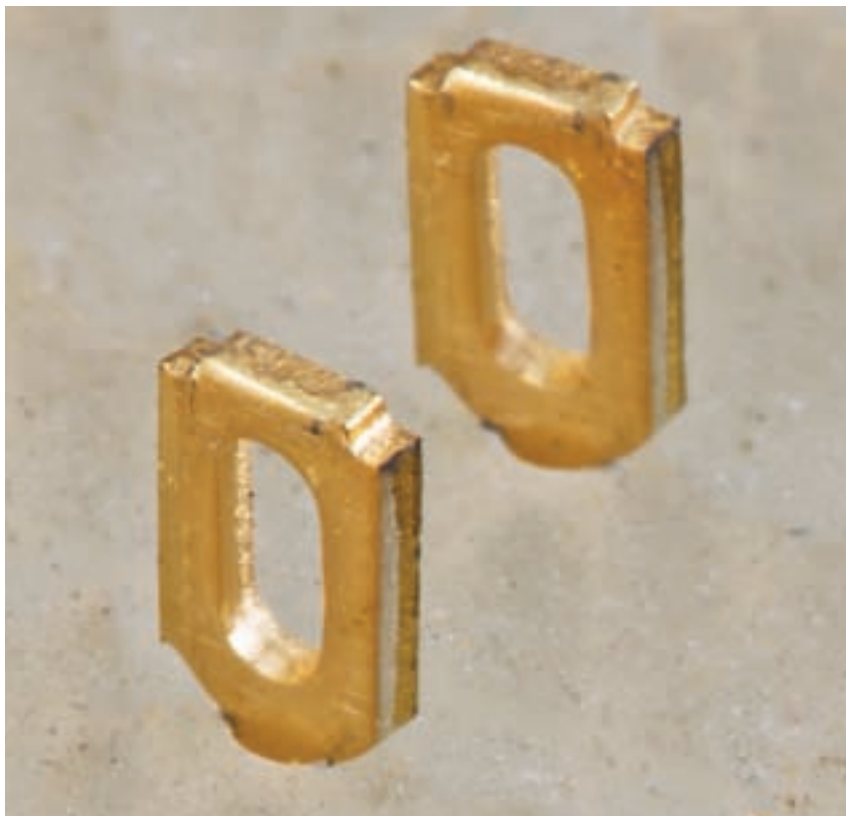
For a complete listing of Zierick's UL recommended Quick Disconnect terminals, visit the Zierick website, www.zierick.com and search for UL. There you will see direct links to the UL listings for the United States and for Canada.

Or you can visit the UL website, www.ul.com, and scroll to the bottom of the page. Under "Tools", select "Online Certifications Directory". In the box next to "Company Name" type "Zierick" and scroll down to press the "Search" button. A page will open which shows our Quick-Connects certified for the US and for Canada. Under "Link to File" select the country of choice and you will find the Zierick part numbers that are recognized by UL.



Features and Benefits

- Zierick's **Stable-Lok®** and **Accu-Lok™** mounting features improve the terminal retention of quick disconnect terminals to the PCB.
- Test point terminals offer exceptional designed-in flexibility allowing test engineers to easily attach test probes.
- They are available with **Accu-Lok™** mounting, for maximum PCB retention and solder joint integrity.
- The **Accu-Lok™** feature assures mounting repeatability and reduces the occurrence of fractured terminals.
- Press-fit test points are also available.
- PCB retention is achieved through a controlled splitting and forming of the terminal leg during insertion, preventing extreme hole deformation, hole damage or board warpage commonly caused by traditional press-fit terminal designs.

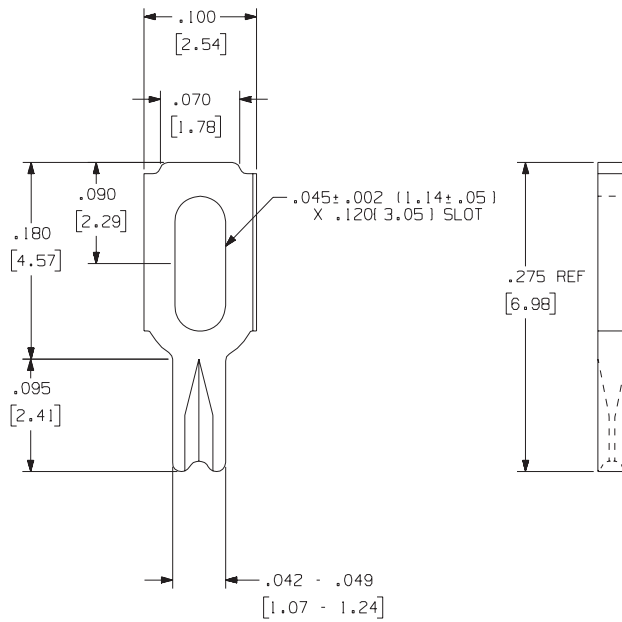


Since the unique design of **Accu-Lok™** mounting is not a press fit, it prevents hole damage and deformity.



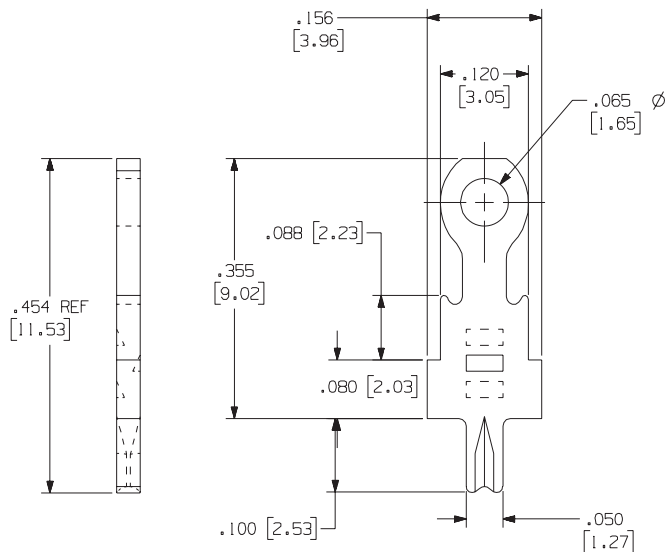
The **Accu-Lok™** retentive mounting feature produces exceptional PCB assembly and interconnection integrity. The PCB retention of **Accu-Lok™** mounting is accomplished by a controlled splitting and forming of the terminal leg during insertion.





Part Numbers 1069, 6069

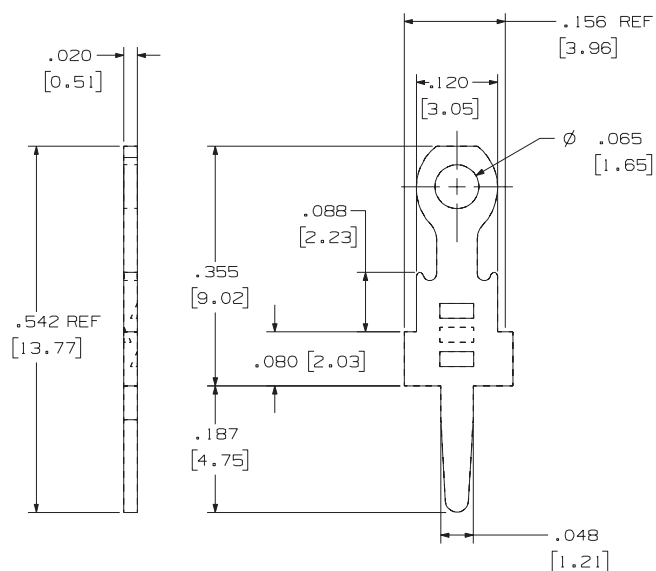
| | |
|----------------------------------|---|
| Loose Part No. | 1069 |
| Reeled Part No. | 6069 |
| Mounting Type | Split Leg Splay |
| Material Thickness / Type | 0.025" (0.64mm) Brass |
| Standard Finish | Loose: 100% Tin over Copper Reeled: 100% Tin over Copper |
| Mounting Hole Diameter | 0.055" ±0.003" (1.40mm ±0.076) |
| Current Rating | 10 Amperes |
| Applicator System | Loose: ZPT81-TP Reeled: Model 9700, 9700 XY |



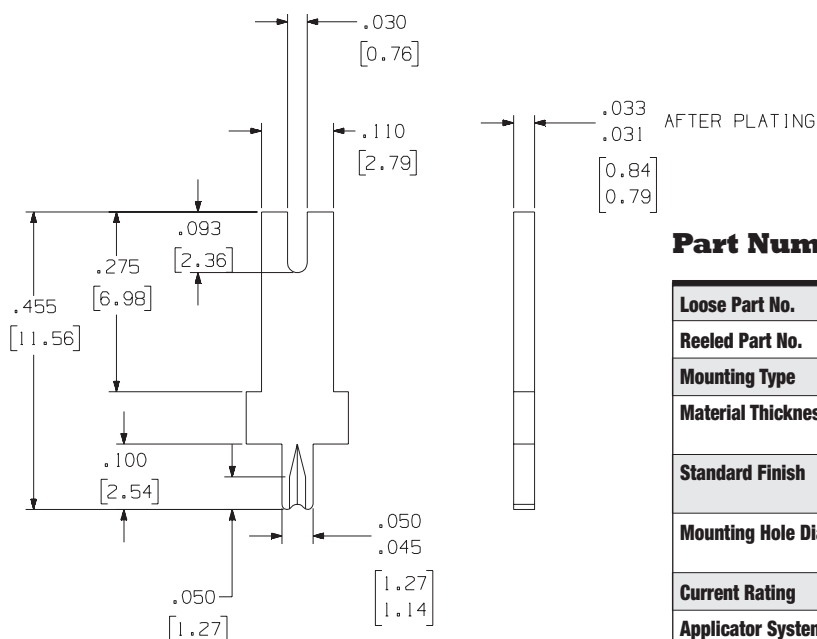
Part Numbers 1058, 1059, 6059

| | | |
|----------------------------------|---|--------------------------------|
| Loose Part No. | 1058 | 1059 |
| Reeled Part No. | | 6059 |
| Mounting Type | Split Leg Splay | Split Leg Splay |
| Material Thickness / Type | 0.020" (0.51mm) Brass | 0.032" (0.81mm) Brass |
| Standard Finish | Loose: 100% Tin over Copper Reeled: 100% Tin over Copper | |
| Mounting Hole Diameter | 0.046" ±0.003" (1.17mm ±0.076) | 0.052" ±0.003" (1.32mm ±0.076) |
| Current Rating | 10 Amperes | |
| Applicator System | Loose: ZPT81-TP Reeled: Model 9700, 9700 XY | |

Part Number 1032



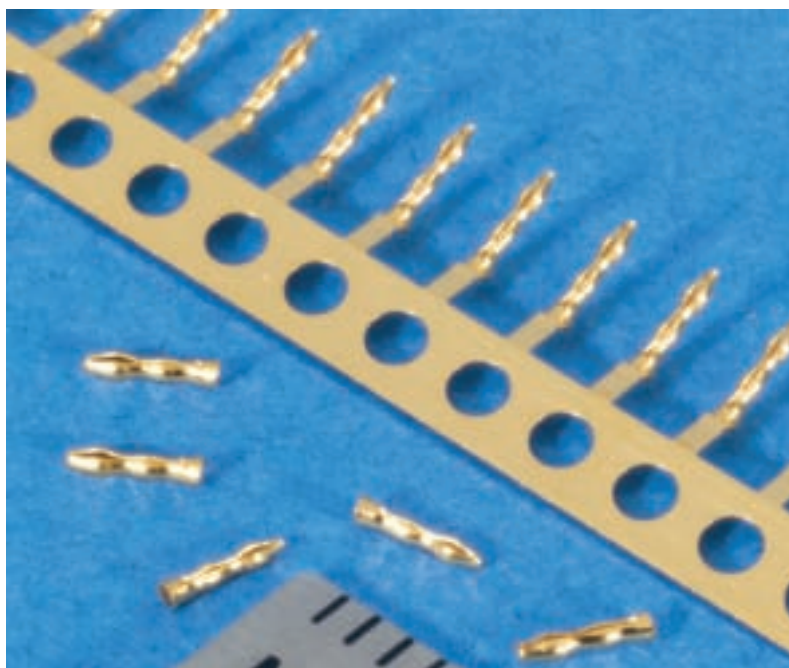
| | |
|----------------------------------|---|
| Loose Part No. | 1032 |
| Mounting Type | Press-Fit |
| Material Thickness / Type | 0.020" (0.51mm) Brass |
| Standard Finish | Loose: 100% Tin over Copper |
| Mounting Hole Diameter | 0.046" ± 0.003 " (1.17mm ± 0.076) |
| Current Rating | 10 Amperes |
| Applicator System | Loose: ZPT81-TP |



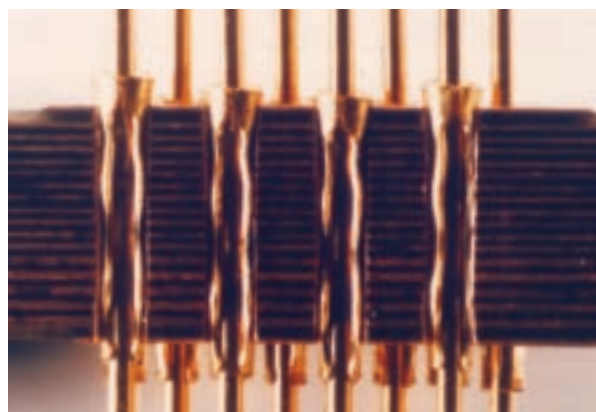
Part Numbers 6050-030, 1049-030

| | | |
|----------------------------------|---|---|
| Loose Part No. | N/A | 1049-030 |
| Reeled Part No. | 6050-030 | N/A |
| Mounting Type | Split Leg Splay | Split Leg Splay |
| Material Thickness / Type | 0.020" (0.51mm) Brass | 0.032" (0.81mm) Brass |
| Standard Finish | Loose: 100% Tin over Copper Reeled: 100% Tin over Copper | |
| Mounting Hole Diameter | 0.050" ± 0.003 " (1.27mm ± 0.076) | 0.054" ± 0.003 " (1.37mm ± 0.076) |
| Current Rating | 10 Amperes | |
| Applicator System | Loose: ZPT81-TP Reeled: Model 9700, 9700 XY | |

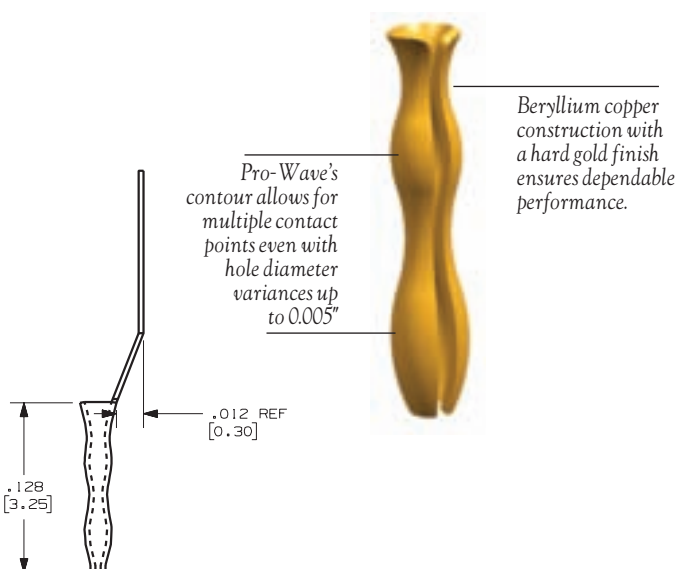
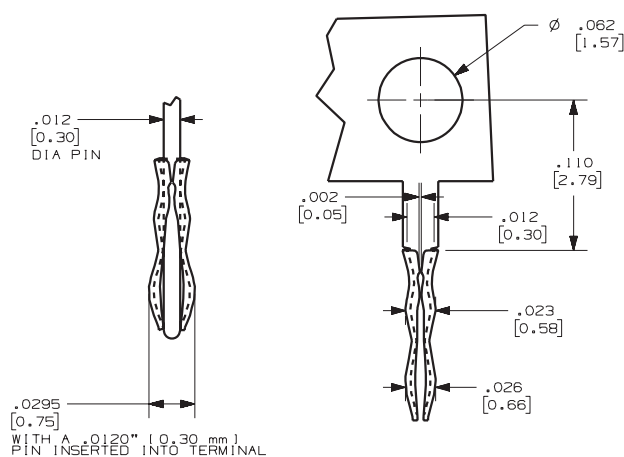
- This connector enables the creation of a three-dimensional circuit by connecting stacked multi-layer circuit boards.
- It is a solderless interconnection system which utilizes pins and internal sockets.
- The system allows a staggered row grid density of 0.50" and a minimum PCB-to-PCB interface of 0.062".
- It accommodates boards with through-holes varying from 0.020" to 0.025" in diameter.
- Continuous format Pro-Wave sockets permit placement by automatic equipment in any number of pin counts on both standard and special grid spacings.



The uniquely shaped Pro-Wave socket fulfills parallel PCB stacking needs in a high-speed matched impedance environment.



| | |
|------------------------------------|-----------------------------------|
| Loose Part No. | 608213-22 |
| Material Thickness / Type | 0.0035" (0.09mm) Beryllium Copper |
| Standard Finish | Hard Gold |
| Mating Pin Diameter | 0.012" (0.31mm) |
| Receiving PCB Hole Diameter | 0.020"/0.025" (0.51mm/0.64mm) |
| PCB Thickness | 0.096" min. (2.44mm) |



Features and Benefits

- **Accu-Pak™** Box Connectors ensure reliable PCB-to-PCB, PCB-to-Component and PCB-to-Lead Wire interconnections.
- They come with top- or bottom-entry configurations.
- They mate easily with square, round, and rectangular terminals and posts, and are auto insertable.
- Our Box Connectors feature non-destructive beam motion, built-in overstress barriers and offer regular or high retention force configurations.
- Zierick's exclusive **Accu-Pak™** spring technology ensures predictable mating forces with ample stored energy.
- **Accu-Pak™** Connectors are highly resistant to permanent deformation even when misaligned.

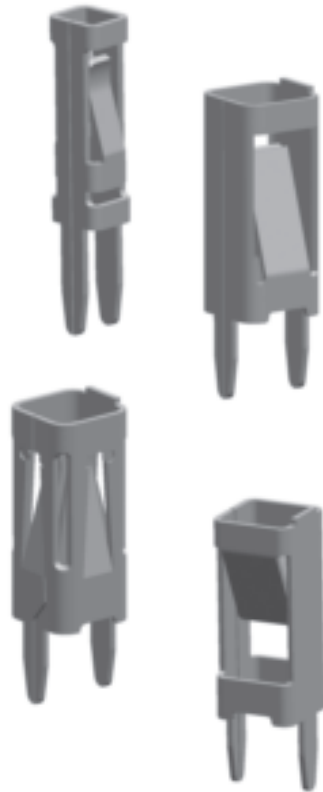


Some of Zierick's **Accu-Pak™** connector line now feature optional technology to prevent solder from wicking onto the internal contact areas during the wave solder process. Zierick's TapeResist solder masking technology is a remarkable advancement for PCB assembly as it utilizes pre-applied 0.001" (0.03mm) thick polyester film as the solder resist agent.

TapeResist allows stamped connectors to withstand internal solder wicking without the need for expensive, nonsolderable

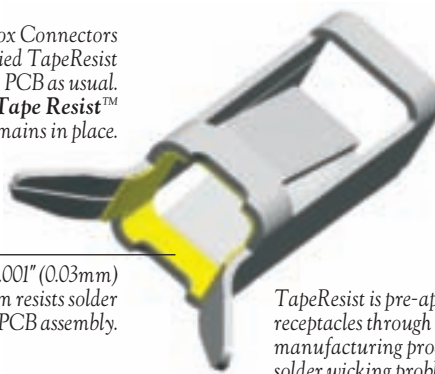
selective plated finishes. Secondary plugging or taping operations are also eliminated. The TapeResist film is precision-applied via an exclusive stamping process which eliminates the secondary processing needed with selective plating.

TapeResist connectors are applied to the PCB and processed in the exact same manner as standard connectors. Once the terminal is placed and soldered, the TapeResist film remains in place. There is no need for specialized preparation or cleaning with TapeResist connectors.

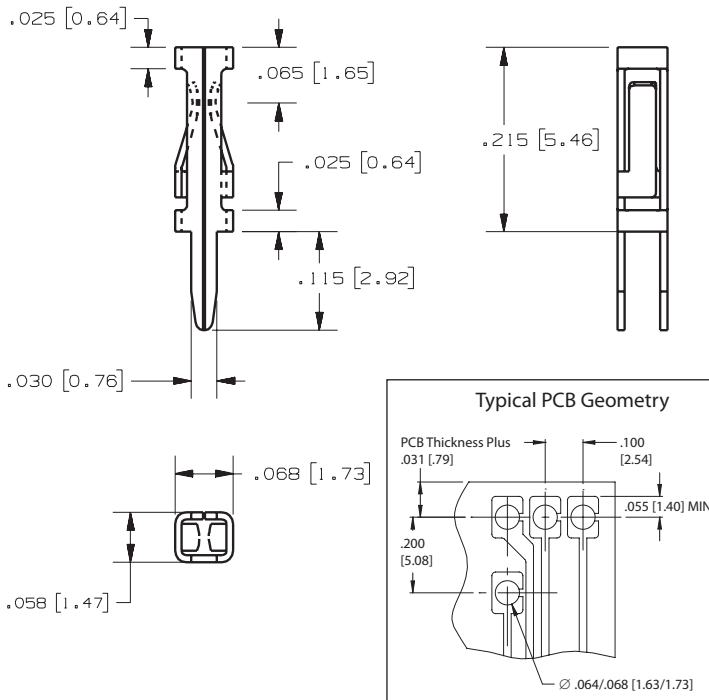


Zierick Box Connectors with pre-applied TapeResist are inserted in the PCB as usual. After soldering, the **Tape Resist™** remains in place.

The 0.001" (0.03mm) thick film resists solder during PCB assembly.



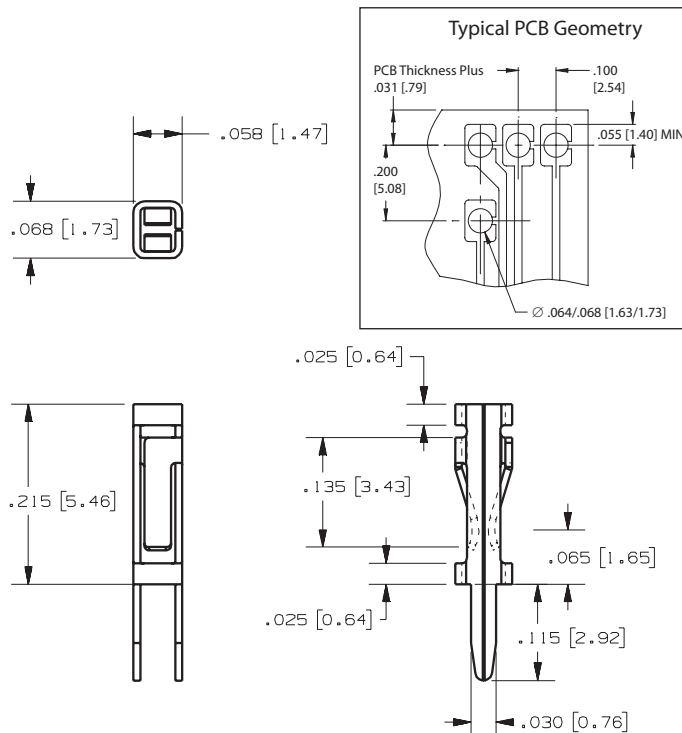
TapeResist is pre-applied to Zierick receptacles through a proprietary manufacturing process to prevent solder wicking problems.



Part Number 6100

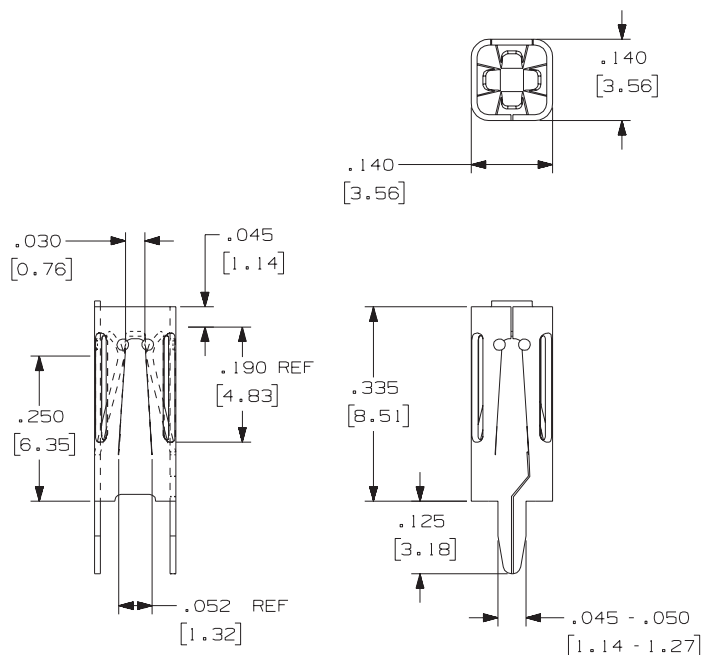
| | |
|----------------------------------|--|
| Loose Part No. | N/A |
| Reeled Part No. | 6100 |
| Mating Terminal Size | 0.025" (0.64mm) Rd. or Sq. |
| Mounting Type | Outward Splay |
| Material Thickness / Type | 0.008" (0.20mm) Phosphor Bronze |
| Standard Finish | 100% Tin over Copper |
| Mating Type | Vertical |
| Mating Entry | Bottom |
| Current Rating | 3 Amperes |
| Resistance Rating | 10mOhm Max |
| Temperature Rating | -65° to 105°C |
| Insertion Force-Max. | Application Dependent / Submit Mating Terminal Sample to Factory |
| Withdrawal Force-Max. | Application Dependent / Submit Mating Terminal Sample to Factory |
| Applicator System | Model 9700, 9700 XY |

0.025" (0.64mm) Box Receptacles - Top Entry



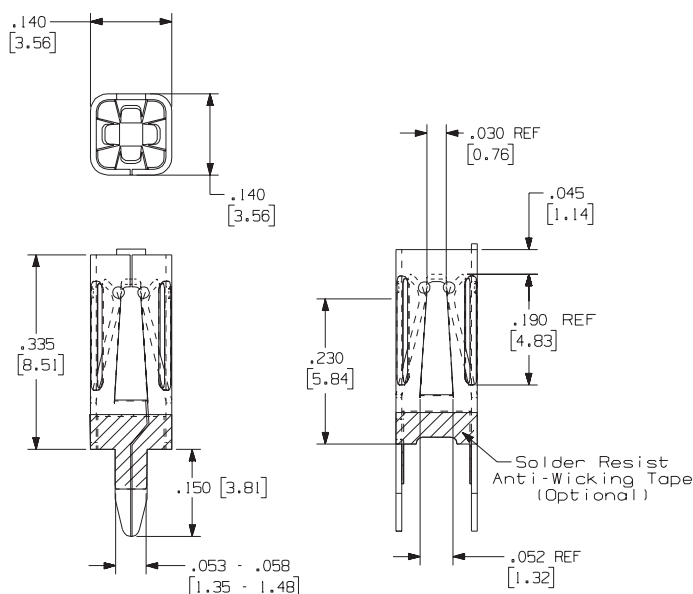
Part Number 6101

| | |
|----------------------------------|---|
| Loose Part No. | N/A |
| Reeled Part No. | 6101 |
| Mating Terminal Size | 0.025" (0.64mm) Rd. or Sq. |
| Mounting Type | Outward Splay |
| Material Thickness / Type | 0.008" (0.20mm) Phosphor Bronze |
| Standard Finish | 100% Tin over Copper |
| Mating Type | Vertical |
| Mating Entry | Top |
| Current Rating | 3 Amperes |
| Resistance Rating | 10mOhm Max |
| Temperature Rating | -65° to 105°C |
| Insertion Force-Max. | Application Dependent / Submit Mating Terminal Sample to Factory. |
| Withdrawal Force-Max. | Application Dependent / Submit Mating Terminal Sample to Factory. |
| Applicator System | Model 9700, 9700 XY |



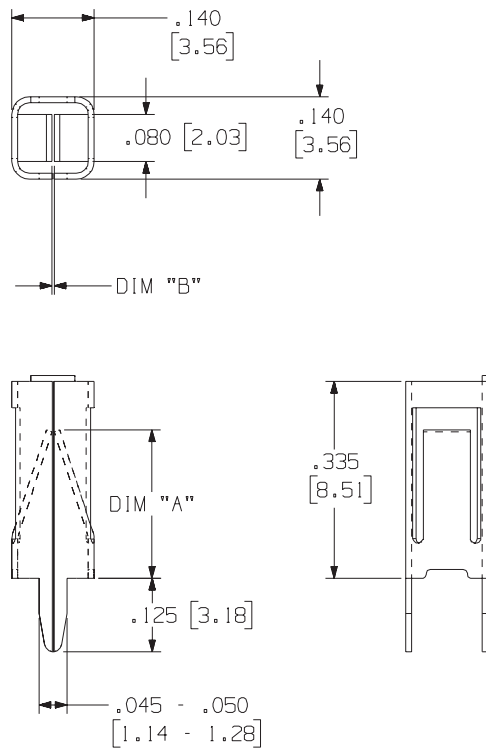
Part Numbers 1062, 6062

| | |
|----------------------------------|---|
| Loose Part No. | 1062 |
| Reeled Part No. | 6062 |
| Mating Terminal Size | 0.045" (1.14mm) and 0.060" (1.52mm) Rd. or Sq. |
| Mounting Type | Outward Splay |
| Material Thickness / Type | 0.010" (0.25mm) Phosphor Bronze |
| Standard Finish | Loose: 100% Tin over Copper Reeled: 100% Tin over Copper |
| Mating Type | Vertical |
| Mating Entry | Bottom |
| Mounting Hole Diameter | 0.150" ±0.003" (3.81mm ±0.076mm) |
| Current Rating | 10 Amperes |
| Resistance Rating | 10mOhm Max |
| Temperature Rating | -65° to 105°C |
| Insertion Force-Max. | Application Dependent / Submit Mating Terminal Sample to Factory. |
| Withdrawal Force-Max. | Application Dependent / Submit Mating Terminal Sample to Factory. |
| Applicator System | Reeled: Model 9700, 9700 XY |



Part Number 6062-101

| | |
|----------------------------------|--|
| Loose Part No. | N/A |
| Reeled Part No. | 6062-101 |
| TapeResist™ | Optional |
| Mating Terminal Size | 0.060" (1.52mm) Rd. or Sq. 0.095" (2.41mm) Rd. or Sq. |
| Mounting Type | Outward Splay |
| Material Thickness / Type | 0.010" (0.25mm) Phosphor Bronze |
| Standard Finish | Reeled: 100% Tin over Copper |
| Mating Type | Vertical |
| Mating Entry | Bottom |
| Mounting Hole Diameter | 0.150" ±0.003" (3.81mm ±0.076mm) |
| Current Rating | 10 Amperes |
| Resistance Rating | 10mOhm Max |
| Temperature Rating | -65° to 105°C |
| Insertion Force-Max. | Application Dependent / Submit Mating Terminal Sample to Factory |
| Withdrawal Force-Max. | Application Dependent / Submit Mating Terminal Sample to Factory |
| Applicator System | Reeled: Model 9700, 9700 XY |

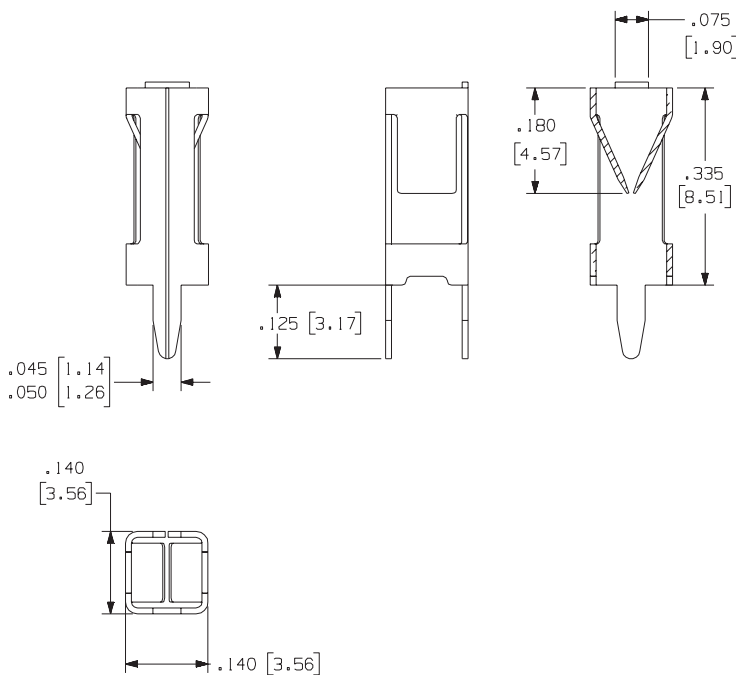


Part Numbers 1193, 6193, 1200, 6200

| | | |
|----------------------------------|---|--|
| Loose Part No. | 1193 | 1200 |
| Reeled Part No. | 6193 | 6200 |
| TapeResist™ | Optional (6193-TR) | |
| Mating Terminal Size | 0.025" to 0.095" (0.64mm to 2.41mm) Rd. or Sq. | 0.020" to 0.095" (0.51mm to 2.41mm) Rd. or Sq. |
| Dim A | 0.200" (5.08mm) | 0.250" (6.35mm) |
| Dim B | 0.015" (0.38mm) | 0.003" (0.07mm) |
| Mounting Type | Outward Splay | |
| Material Thickness / Type | 0.010" (0.25mm) Phosphor Bronze | |
| Standard Finish | Loose: 100% Tin over Copper Reeled: 100% Tin over Copper | |
| Mating Type | Vertical | |
| Mating Entry | Bottom | |
| Mounting Hole Diameter | 0.150" ±0.003" (3.81mm ±0.076mm) | |
| Current Rating | 10 Amperes | |
| Resistance Rating | 10mOhm Max | |
| Temperature Rating | -65° to 105°C | |
| Insertion Force-Max. | Application Dependent / Submit Mating Terminal Sample to Factory. | |
| Withdrawal Force-Max. | Application Dependent / Submit Mating Terminal Sample to Factory. | |
| Applicator System | Loose: Consult Factory Reeled: Model 9700, 9700 XY | |

Top Entry 2 Beam Box Receptacles

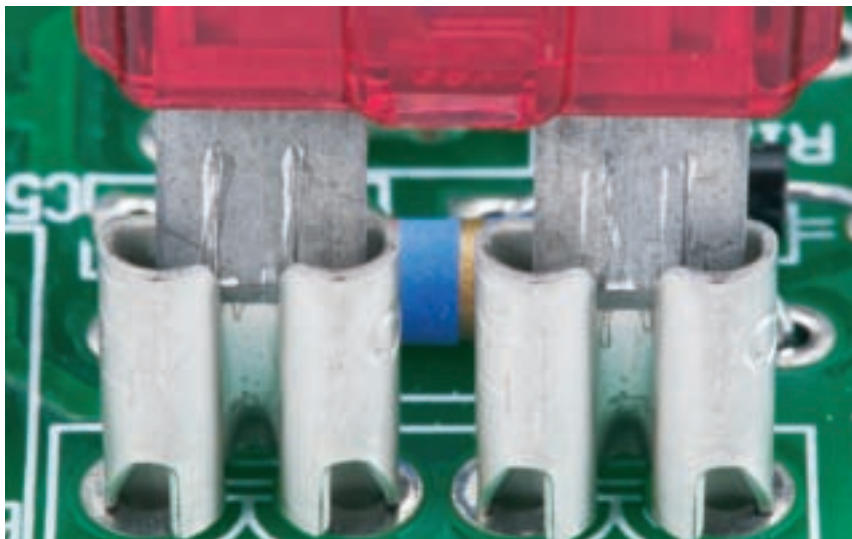
Part Numbers 1187, 6187



| | |
|----------------------------------|---|
| Loose Part No. | 1187 |
| Reeled Part No. | 6187 |
| Mating Terminal Size | 0.025" (0.64mm) to 0.095" (2.41mm) Rd. or Sq. |
| Mounting Type | Outward Splay |
| Material Thickness / Type | 0.010" (0.25mm) Phosphor Bronze |
| Standard Finish | Loose: 100% Tin over Copper Reeled: 100% Tin over Copper |
| Mating Type | Vertical |
| Mating Entry | Top |
| Mounting Hole Diameter | 2 holes 0.050" ±0.003" (3.81mm ±0.076mm) on 0.130" ±0.003" (3.302mm ±0.003mm) centers |
| Current Rating | 10 Amperes |
| Resistance Rating | 10mOhm Max |
| Temperature Rating | -65° to 105°C |
| Insertion Force-Max. | Application Dependent / Submit Mating Terminal Sample to Factory. |
| Withdrawal Force-Max. | Application Dependent / Submit Mating Terminal Sample to Factory. |
| Applicator System | Loose: Consult factory Reeled: Model 9700, 9700 XY |

Features and Benefits

- **Accu-Pak™** receptacles are available in many geometries.
- They provide dependable connections and exhibit exceptional performance.
- The contact spring design ensures predictable mating forces and high resistance to permanent deformation.
- These receptacles mate easily with standard male terminals, posts, and blade or fuse type terminals.
- They withstand repeated mating, shock, vibration, and thermal cycling.
- Options include **Stable-Lok®** mounting.
- PCB assembly can be done manually with Zierick hand tools, or automatically with Zierick semi- and fully-automated applicators.



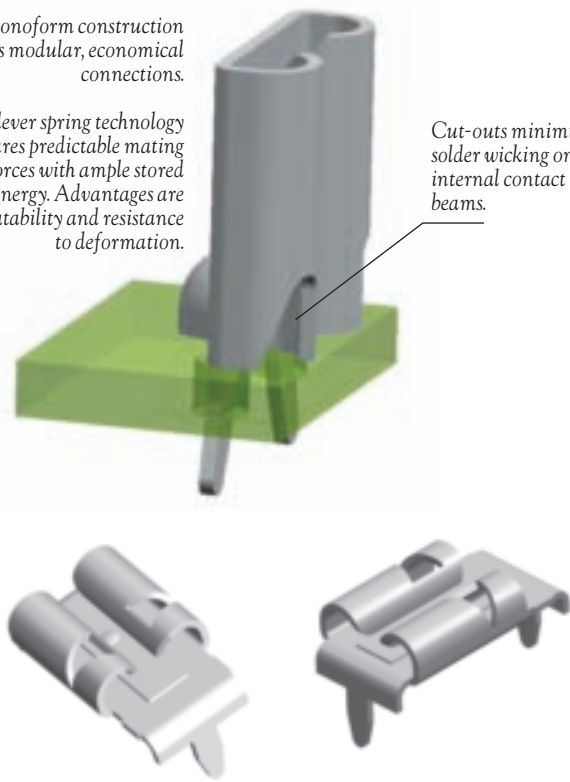
For highly repeatable PCB-to-PCB, PCB-to-Component, PCB-to-Lead Wire, and auto fuse interconnections, **Accu-Pak™** PCB mountable receptacles offer outstanding yet economical performance. Vertical and horizontal configurations are easily accomplished.

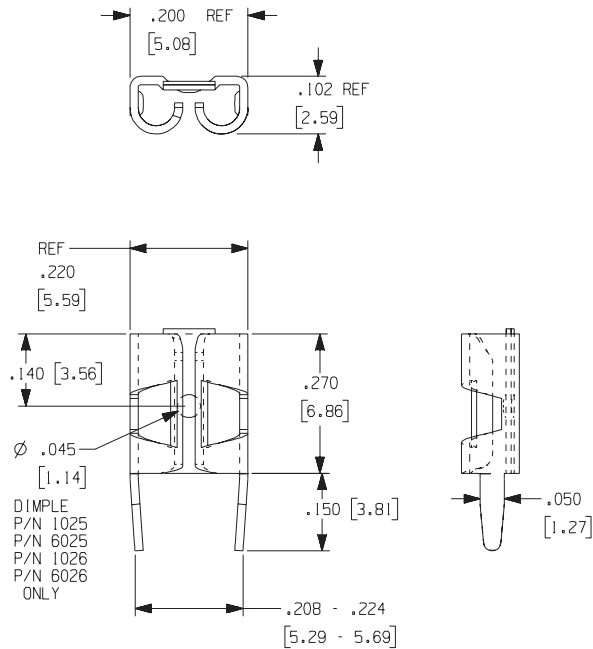


Monoform construction allows modular, economical connections.

Cantilever spring technology ensures predictable mating forces with ample stored energy. Advantages are repeatability and resistance to deformation.

Cut-outs minimize solder wicking onto internal contact beams.

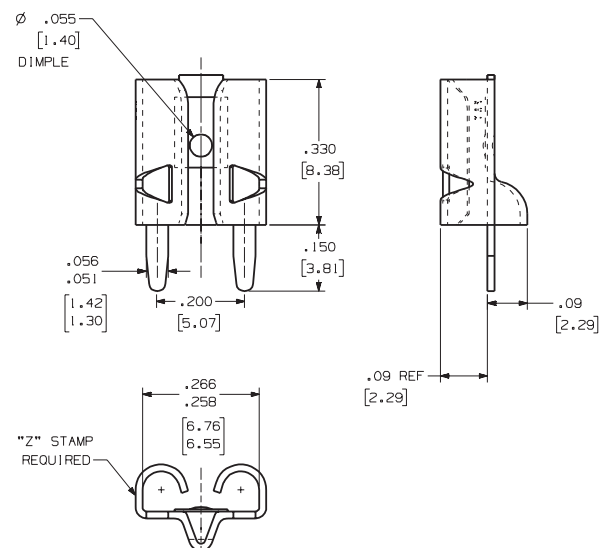




Part Numbers 1241, 6241, 1026, 6026, 1025, 6025

| Loose Part No. | 1241 | 1026 | 1025 |
|---------------------------|---|---|---|
| Reeled Part No. | 6241 | 6026 | 6025 |
| Mating Terminal Size | 0.187" x 0.015" (4.75mm x 0.38mm) Tab | 0.187" x 0.020" (4.75mm x 0.51mm) Tab | 0.187" x 0.032" (4.75mm x 0.81mm) Tab |
| Mounting Type | Outward or Inward Splay | | |
| Material Thickness / Type | 0.016" (0.41mm) Brass | | |
| Standard Finish | Loose: 100% Tin over Copper Reeled: 100% Tin over Copper | | |
| Mounting Hole Diameter | 2 holes 0.058" ±0.003" (1.473mm ±0.076mm) on 0.200" ±0.003" (5.08mm ±0.076mm) centers | | |
| Current Rating | 15 Amperes | | |
| Resistance Rating | 10mOhm Max | | |
| Temperature Rating | -65° to 85°C | | |
| Applicator System | Loose: ZPT81-A Reeled: Model 9700, 9700 XY | | |

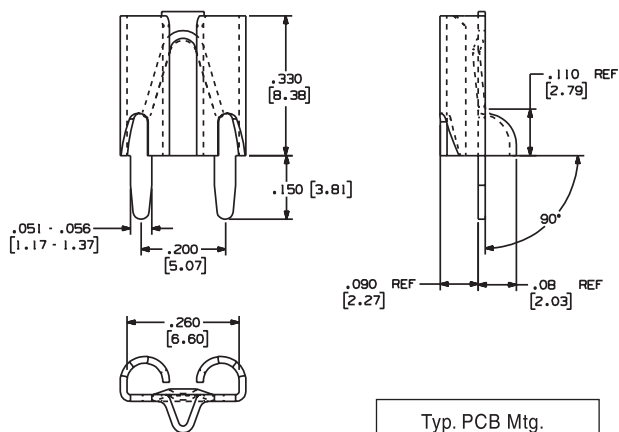
0.205" (5.21mm) and 0.250" (6.35mm) Tab Receptacles



Part Numbers 1022, 6022, 1037, 6037, 1123, 6123

| Loose Part No. | 1022 | 1037 | 1123 |
|---------------------------|--|--|--|
| Reeled Part No. | 6022 | 6037 | 6123 |
| Mating Terminal Size | 0.250" x 0.032" (6.35mm x 0.81mm) Tab* | 0.250" x 0.032" (6.35mm x 0.81mm) Tin/Brass - Tab - (Low Insertion Force) | 0.250" x 0.025" (6.35mm x 0.63mm) Tin/Non-Brass - Relays or Fuses - Dual/Multiple Mating |
| Mounting Type | Outward or Inward Splay | | |
| Material Thickness / Type | 0.016" (0.41mm) Brass | | |
| Standard Finish | Loose: 100% Tin over Copper Reeled: 100% Tin over Copper | | |
| Mating Entry | Top | | |
| Mounting Hole Diameter | 0.058" ±0.003" (1.473mm ±0.076mm) on 0.200" ±0.003" (5.08mm ±0.076mm) centers | | |
| Current Rating | 20 Amperes* | | |
| Resistance Rating | 10mOhm Max | | |
| Temperature Rating | -65° to 85°C | | |
| Applicator System | Loose: ZPT81-A Reeled: Model 9700, 9700 XY | | |

*With Brass Tab

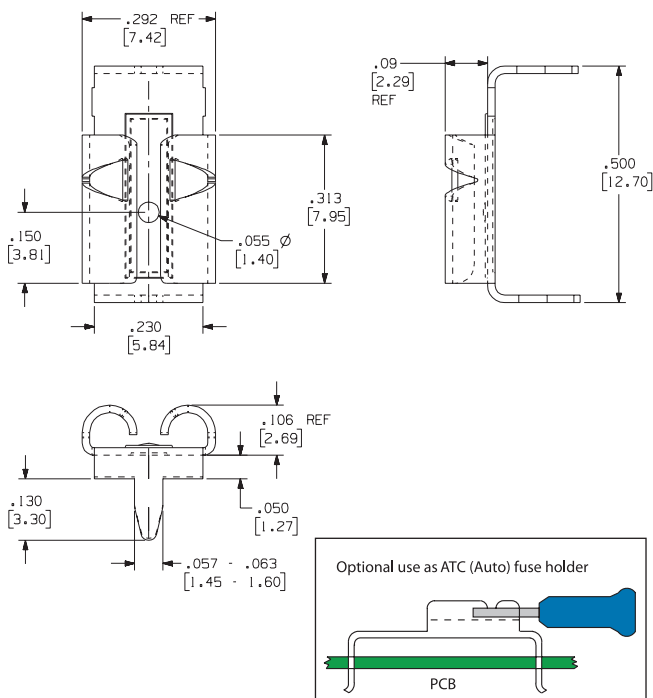


Part Numbers 1154, 6154, 1225, 6225

| | | |
|----------------------------------|--|---|
| Loose Part No. | 1154 | 1225 |
| Reeled Part No. | 6154 | 6225 |
| Mating Terminal Size | 0.250" x 0.025" (6.35mm x 0.64mm) Tab or Fuse | 0.250" x 0.032" (6.35mm x 0.81mm) Tab |
| Insertion Force-Max. | 5.0 lbs. (22.24N)* | 10.0 lbs. (44.48N)* |
| Withdrawal Force-Min. | 1.5 lbs. (6.73N)* | |
| Mounting Type | Outward or Inward Splay | |
| Material Thickness / Type | 0.016" (0.41mm) Brass | |
| Standard Finish | Loose: 100% Tin over Copper Reeled: 100% Tin over Copper | |
| Mating Entry | Top | |
| Mounting Hole Diameter | 0.058" ±0.003" (1.473mm ±0.076mm) on 0.200" ±0.003" (5.08mm ±0.076mm) centers | |
| Current Rating | 20 Amperes (with Brass Tab) | |
| Resistance Rating | 10mOhm Max | |
| Temperature Rating | -65° to 85°C | |
| Applicator System | Loose: ZPT81-A Reeled: Model 9700, 9700 XY | |

*With Steel Test Tab

Note: Insertion/Extraction withdrawal forces may vary when using commercial fuses.

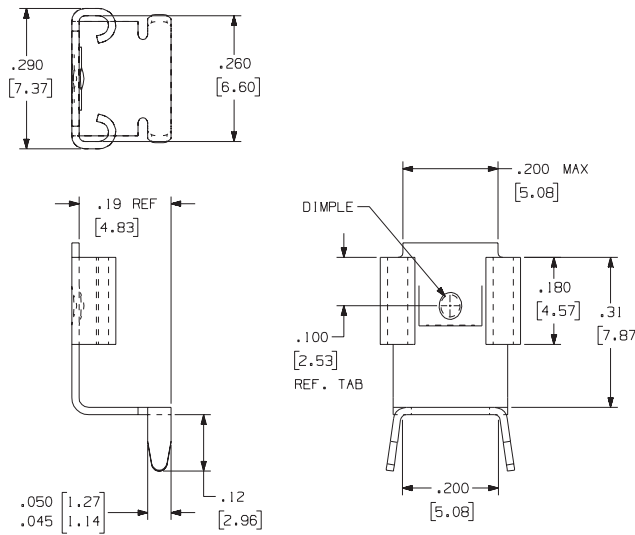


Part Numbers 1093, 1090

| | | |
|--------------------------------|---|---|
| Loose Part No. | 1093 | 1090 |
| Mating Terminal Size | 0.250" x 0.032" (6.35mm x 0.81mm) Tab | 0.250" x 0.025" (6.35mm x 0.64mm) Tab |
| | 0.205" x 0.032" (5.21mm x 0.81mm) Tab | 0.205" x 0.025" (5.21mm x 0.64mm) Tab |
| Insertion Force-Max. | 10.0 lbs. (44.48N)* | 5.0 lbs. (22.24N)* |
| Withdrawal Force-Min. | 2.0 lbs. (8.90N)* | 1.0 lb. (4.45N)* |
| Mounting Type | Outward or Inward Splay | |
| Mating Type | Horizontal | |
| Material Thickness Type | 0.016" (0.41mm) Brass | |
| Standard Finish | Loose: 100% Tin over Copper | |
| Mating Entry | Horizontal | |
| Mounting Hole Diameter | 2 holes 0.063" ±0.003" (1.6mm ±0.076mm) on 0.500" ±0.003" (12.7mm ±0.076mm) centers | |
| Current Rating | 20 Amperes | |
| Resistance Rating | 10mOhm Max | |
| Temperature Rating | -65° to 85°C | |

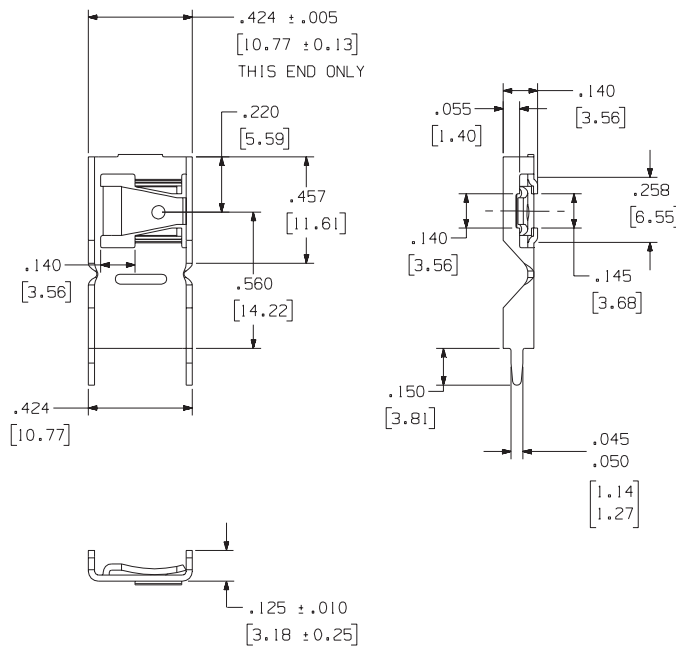
*With Steel Test Tab

Part Numbers 983, 984



| | | |
|----------------------------------|---|--|
| Loose Part No. | 983 | 984 |
| Reeled Part No. | N/A | N/A |
| Mating Terminal Size | 0.250" x 0.016" (6.35mm x 0.41mm) Tin/Brass Male | 0.250" x 0.032" (6.35mm x 0.81mm) Tin/Brass Male |
| Mounting Type | Outward or Inward Splay | |
| Material Thickness / Type | 0.015" (0.38mm) Brass | |
| Standard Finish | 100% Tin over Copper | |
| Mating Type | Vertical | |
| Mating Entry | Top Side | |
| Mounting Hole Diameter | 2 holes 0.058" ±0.003" (1.473mm ±0.076mm) on 0.200" ±0.005" (5.08mm ±0.127mm) centers | |
| Current Rating | 10 Amperes | 15 Amperes |
| Resistance Rating | 10mOhm Max | |
| Temperature Rating | -65° to 85°C | |
| Applicator System | Consult Factory | |

Part Number 6120



| | |
|----------------------------------|---|
| Loose Part No. | N/A |
| Reeled Part No. | 6120 |
| Mating Terminal Size | 0.250" x 0.032" (6.35mm x 0.81mm) Tin/Brass Male and Relays Dual/Multiple Matings |
| Mounting Type | Outward or Inward Splay |
| Mating Type | Horizontal |
| Material Thickness / Type | 0.025" (0.64mm) Brass |
| Standard Finish | 100% Tin over Copper |
| Mating Entry | Horizontal |
| Mounting Hole Diameter | 2 holes 0.052" ±0.003" (1.32mm ±0.076mm) on 0.400" ±0.005" (10.16mm ±0.127mm) centers |
| Current Rating | 25 Amperes |
| Resistance Rating | 20mOhm Max |
| Temperature Rating | -65° to 85°C |
| Applicator System | Model 9700, 9700 XY Bending Tool: ZPT-1120BT |

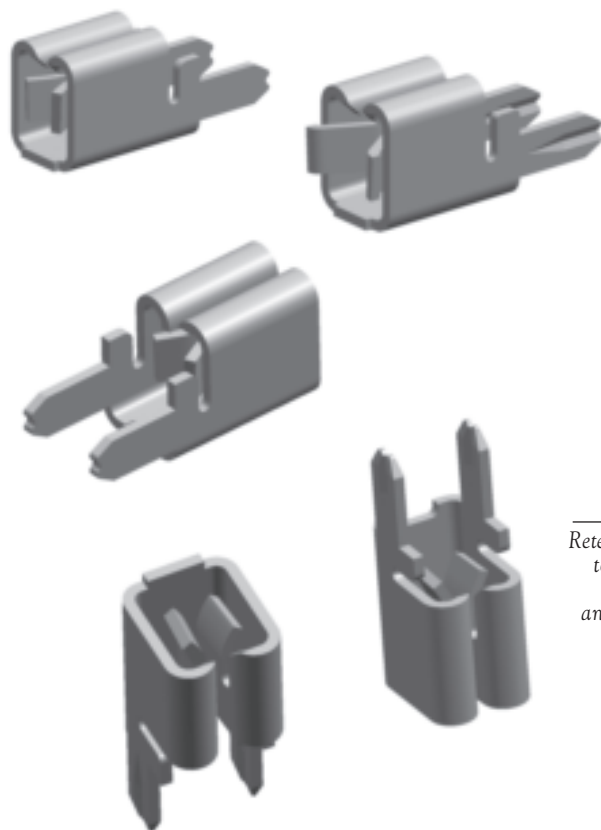
Features and Benefits

- These Tab Receptacles provide dependable connections and exhibit exceptional performance.
- The contact spring design ensures predictable mating forces and high resistance to permanent deformation.
- These receptacles mate easily with standard male terminals, posts, and blade or fuse type terminals.
- They withstand repeated mating, shock, vibration, and temperature cycling.
- They feature **Accu-Lok™** mounting for maximum PCB retention and solder joint integrity.
- PCB assembly can be done manually with Zierick hand tools, or automatically with Zierick semi- and fully-automated applicators.

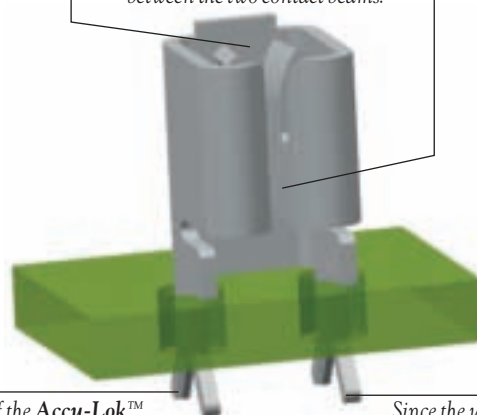


These **Accu-Pak™** PCB mountable receptacles are offered in many geometries including vertical, horizontal, parallel, perpendicular and stacking PCB packaging configurations. They offer

outstanding yet economical performance.



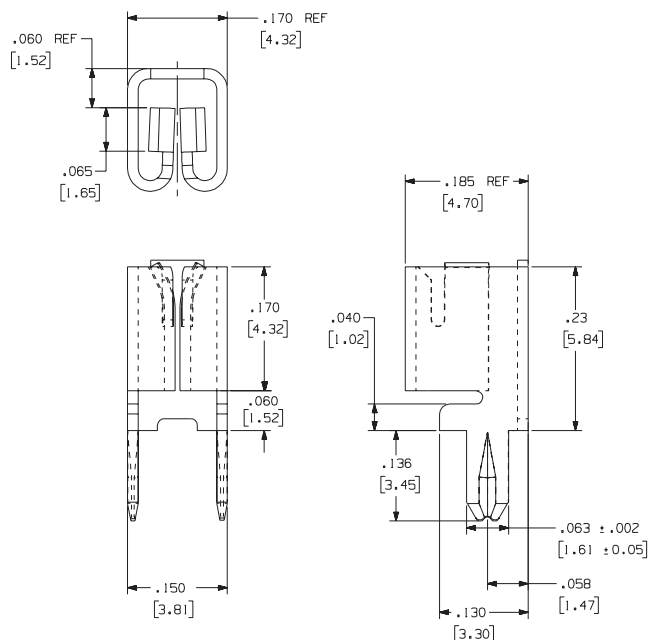
Universal Tab Receptacles can mate with Tabs placed vertically into the top (or bottom of Bottom Entry Receptacles), or perpendicular to the PCB between the two contact beams.



Retention of the **Accu-Lok™** to the PCB is accomplished by a controlled splitting and forming of the terminal leg during insertion.

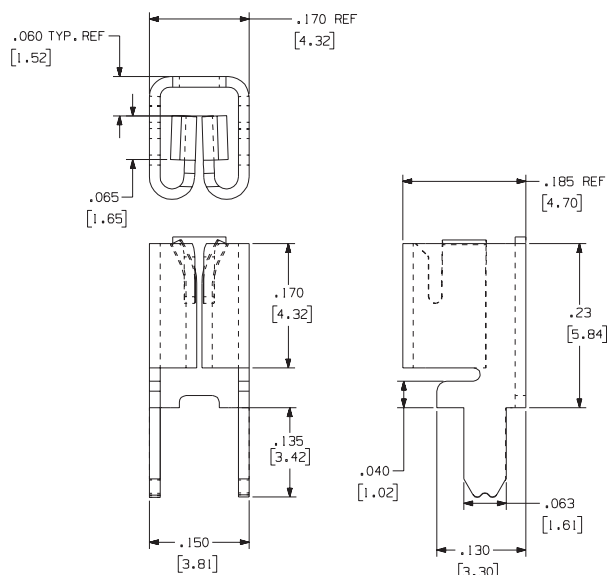
Since the unique design of the **Accu-Lok™** mounting leg is not a press fit, it causes no damage or deformity to the PCB hole.

Part Numbers 1092, 6092, 1092T-KT, 1274, 1274T, 6274



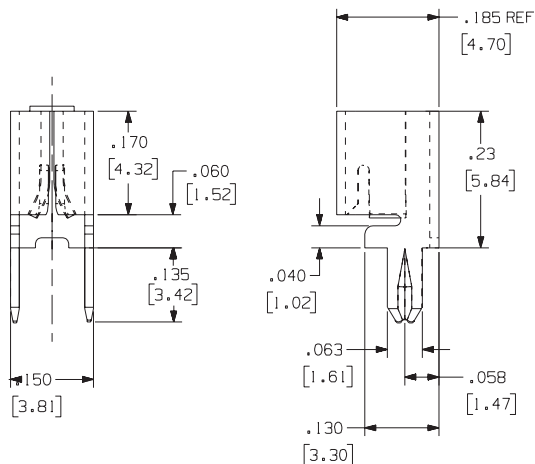
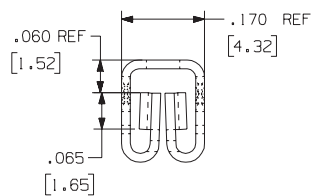
| | | |
|----------------------------------|--|-------------------------------------|
| Loose Part No. | 1092 | 1274 |
| Reeled Part No. | 6092 | 6274 |
| Taped Part No. | 1092T-KT | 1274T |
| Mating Terminal Size | 0.025" (0.64mm) and 0.032" (0.81mm) | 0.020" (0.51mm) and 0.032" (0.81mm) |
| Mounting Type | Split Leg Inward Splay | |
| Material Thickness / Type | 0.016" (0.41mm) Brass | |
| Standard Finish | Loose: 100% Tin over Copper Reeled: 100% Tin over Copper | |
| Mating Entry | Top and Horizontal | |
| Mounting Hole Diameter | 2 holes 0.066" ± 0.003" (1.68mm ± 0.76mm) on 0.134" ± 0.003" (3.40mm ± 0.76mm) centers | |
| Current Rating | 20 Amperes | |
| Resistance Rating | 10mOhm Max | |
| Temperature Rating | -65° to 85°C | |
| Applicator System | Loose: ZPT81-1092 Reeled: Model 9700, 9700 XY | |

Part Numbers 1290, 6290



| | |
|----------------------------------|--|
| Loose Part No. | 1290 |
| Reeled Part No. | 6290 |
| Mating Terminal Size | 0.025" (0.64mm) and 0.032" (0.81mm) |
| Mounting Type | Inward or Outward Splay |
| Material Thickness / Type | 0.016" (0.41mm) Brass |
| Standard Finish | Loose: 100% Tin over Copper Reeled: 100% Tin over Copper |
| Mating Entry | Top and Horizontal |
| Mounting Hole Diameter | 2 holes 0.066" ± 0.003" (1.68mm ± 0.76mm) on 0.134" ± 0.003" (3.40mm ± 0.76mm) centers |
| Current Rating | 20 Amperes |
| Resistance Rating | 10mOhm Max |
| Temperature Rating | -65° to 85°C |
| Applicator System | Loose: ZPT81-1092 Reeled: Model 9700, 9700 XY |

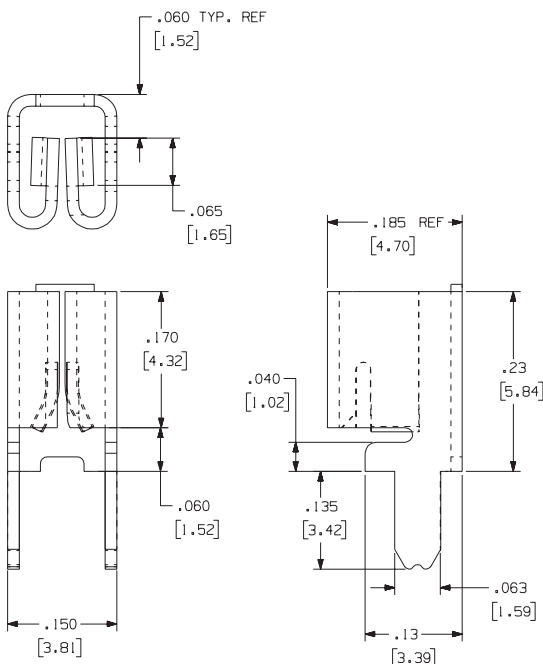
Universal Tab Receptacles for 0.025" (0.64mm) and 0.032" (0.81mm) Thick Terminals



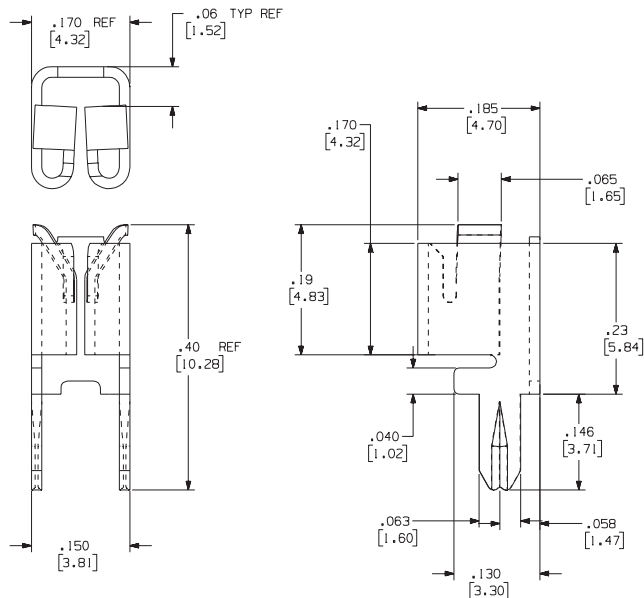
Part Numbers 1118, 1118T, 6118, 1188, 6188

| | | |
|----------------------------------|--|-------------------------------------|
| Loose Part No. | 1118 | 1188 |
| Reeled Part No. | 6118 | 6188 |
| Taped Part No. | 1118T | N/A |
| Mating Terminal Size | 0.025" (0.64mm) and 0.032" (0.81mm) | 0.015" (0.38mm) and 0.025" (0.64mm) |
| Mounting Type | Split Leg Outward Splay | |
| Material Thickness / Type | 0.016" (0.41mm) Brass | |
| Standard Finish | Loose: 100% Tin over Copper Reeled: 100% Tin over Copper | |
| Mating Type | Bottom and Horizontal | |
| Mounting Hole Diameter | 2 holes 0.066" ± 0.003 " (1.68mm ± 0.76 mm) on 0.134" ± 0.003 " (3.40mm ± 0.76 mm) centers | |
| Current Rating | 20 Amperes | |
| Resistance Rating | 10mOhm Max | |
| Temperature Rating | -65° to 85°C | |
| Applicator System | Loose: ZPT81-1092 Reeled: Model 9700, 9700 XY | |

Part Numbers 1288, 6288



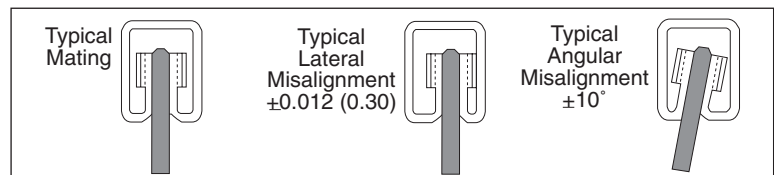
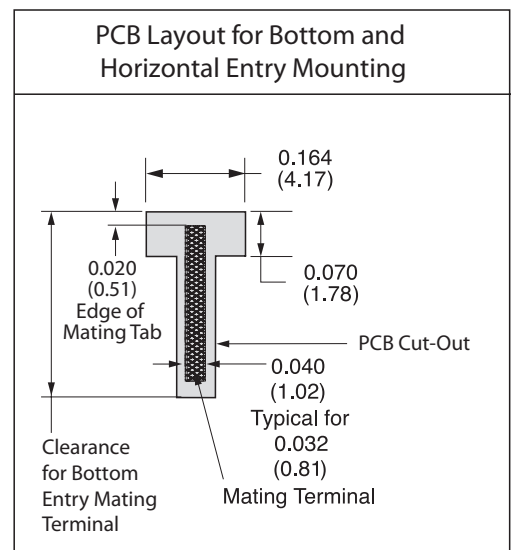
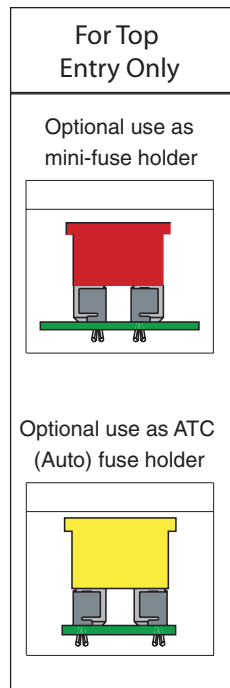
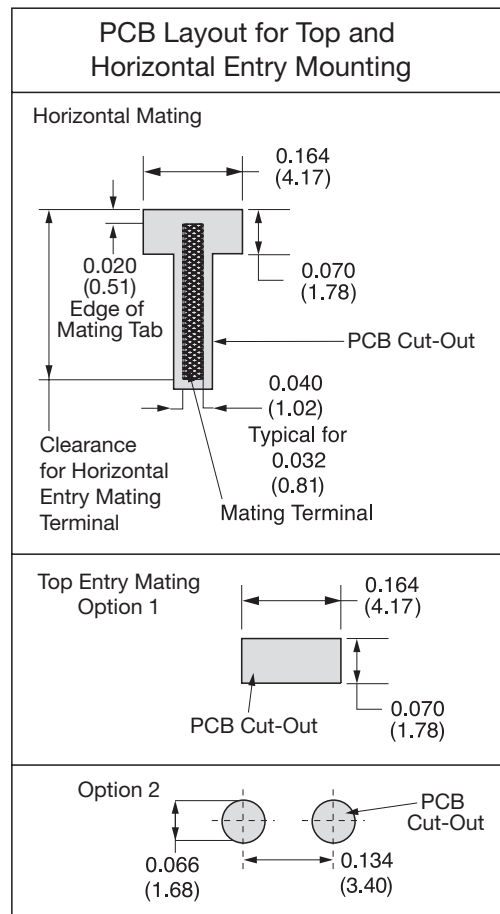
| | |
|----------------------------------|--|
| Loose Part No. | 1288 |
| Reeled Part No. | 6288 |
| Mating Terminal Size | 0.015" (0.38mm) and 0.025" (0.64mm) |
| Mounting Type | Inward or Outward Splay |
| Material Thickness / Type | 0.016" (0.41mm) Brass |
| Standard Finish | Loose: 100% Tin over Copper Reeled: 100% Tin over Copper |
| Mating Type | Bottom and Horizontal |
| Mounting Hole Diameter | 2 holes 0.066" ± 0.003 " (1.68mm ± 0.76 mm) on 0.134" ± 0.003 " (3.40mm ± 0.76 mm) centers |
| Current Rating | 20 Amperes |
| Resistance Rating | 10mOhm Max |
| Temperature Rating | -65° to 85°C |
| Applicator System | Loose: ZPT81-1092 Reeled: Model 9700, 9700 XY |



Part Numbers 1299, 6299

| | |
|----------------------------------|--|
| Loose Part No. | 1299 |
| Reeled Part No. | 6299 |
| Mating Terminal Size | 0.015" (0.38mm) and 0.025" (0.64mm) |
| Mounting Type | Split Leg Inward Splay |
| Material Thickness / Type | 0.016" (0.41mm) Brass |
| Standard Finish | Loose: 100% Tin over Copper Reeled: 100% Tin over Copper |
| Mating Type | Bottom and Horizontal |
| Mounting Hole Diameter | 2 holes 0.066" \pm 0.003" (1.68mm \pm 0.76mm) on 0.134" \pm 0.003" (3.40mm \pm 0.76mm) centers |
| Current Rating | 20 Amperes |
| Resistance Rating | 10mOhm Max |
| Temperature Rating | -65° to 85°C |
| Applicator System | Loose: ZPT81-1092 Reeled: Model 9700, 9700 XY |

Recommended PCB Layouts for Universal Tab Receptacles



Features and Benefits

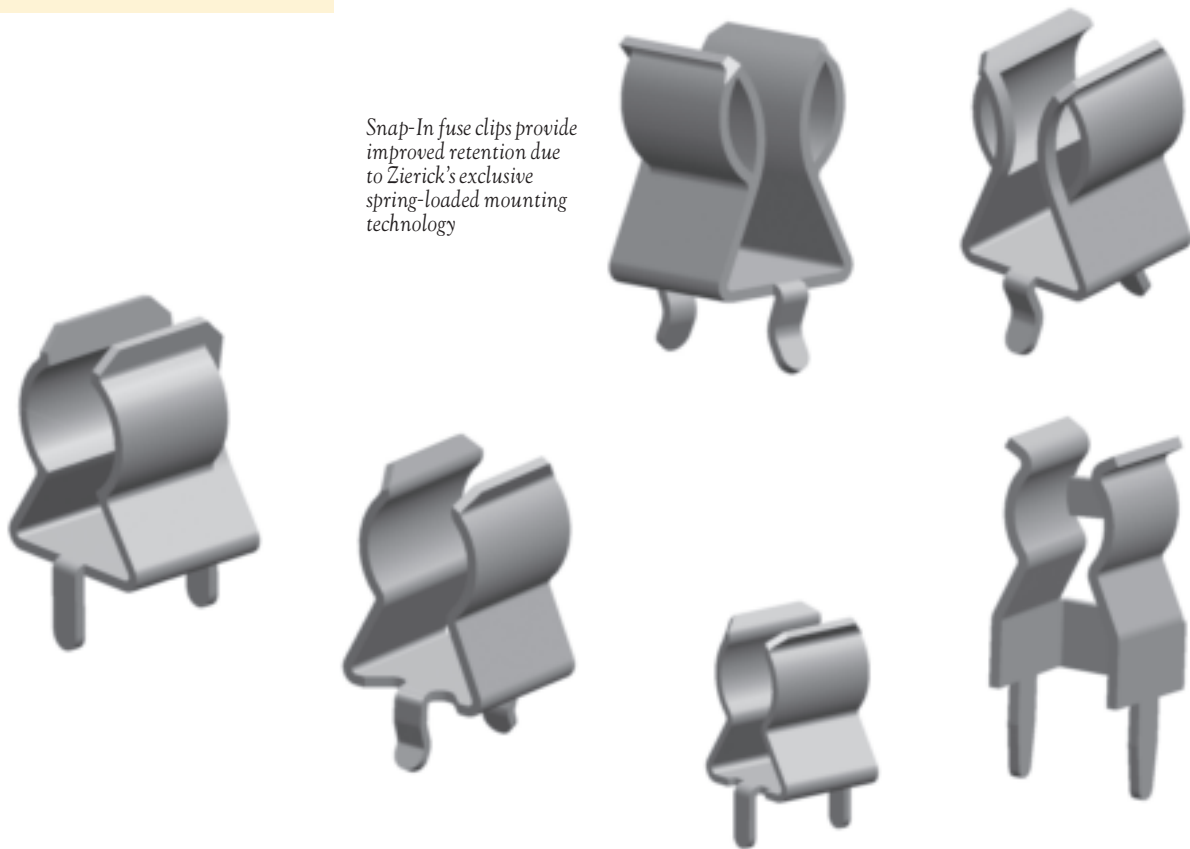
- Zierick's Snap-In fuse clips ensure reliable mounting through the incorporation of a spring-loaded mounting leg.
- Snap-In terminals will withstand side loading and rough PCB handling.
- The Snap-In feature is especially useful with manually inserted and robotic assembly applications where an extremely low terminal mounting force is required.
- Both Snap-In and standard fuse clips are available for 1/4" (6.35mm) and 0.197" (5mm) cylindrical fuse sizes.

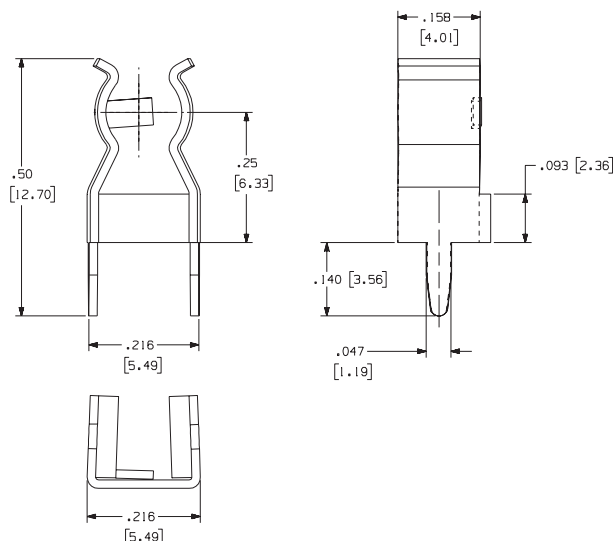


Zierick's exclusive Snap-In PCB fuse mounting technology features a spring-loaded mounting leg which enhances PCB quality and reliability. When inserted in a PCB, Snap-In terminals exhibit

increased retention, strength, and durability. Snap-In and standard fuse clips are available in loose piece format, with or without integral fuse stops.

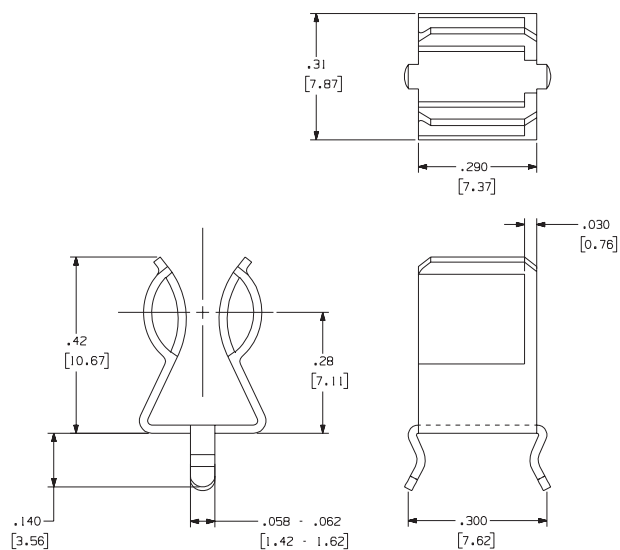
Snap-In fuse clips provide improved retention due to Zierick's exclusive spring-loaded mounting technology





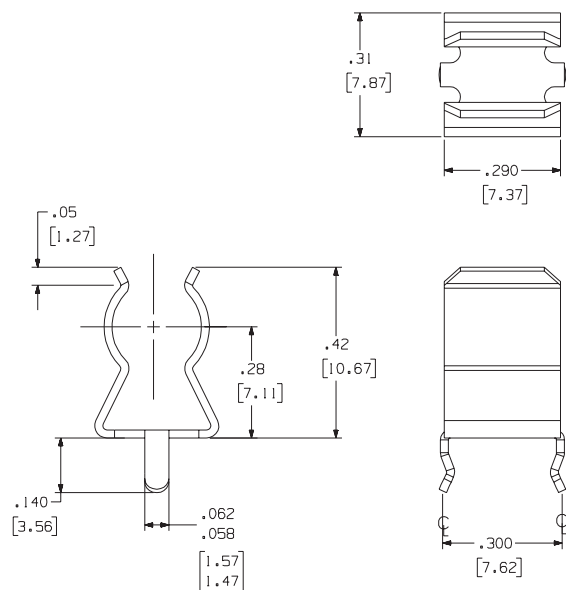
Part Number 990

| | |
|----------------------------------|-----------------------|
| Loose Part No. | 990 |
| Fuse Size | 0.197" (5mm) |
| Fuse Receptacle Type | With Fuse Stop |
| Material Thickness / Type | 0.016" (0.41mm) Brass |
| Standard Finish | 100% Tin over Copper |
| Mounting Hole Diameter | 0.052" (1.32mm) |
| Current Rating | 15 Amperes |



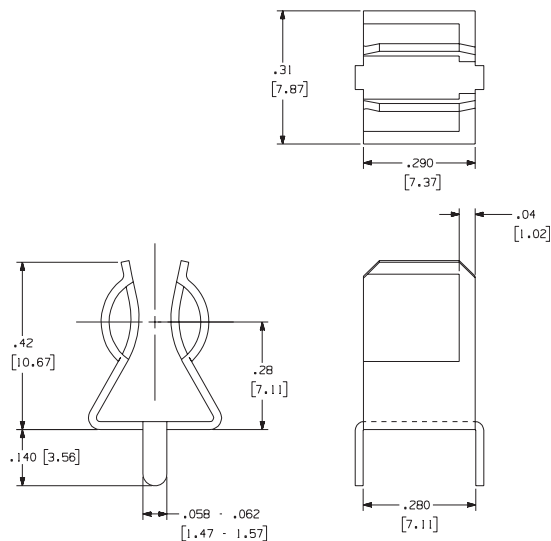
Part Number 1047

| | |
|----------------------------------|-----------------------|
| Loose Part No. | 1047 |
| Fuse Size | 1/4" (6.35mm) |
| Fuse Receptacle Type | With Fuse Stop |
| Material Thickness / Type | 0.020" (0.51mm) Brass |
| Standard Finish | 100% Tin over Copper |
| Current Rating | 15 Amperes |
| Mounting Hole Diameter | 0.067" (1.70mm) |



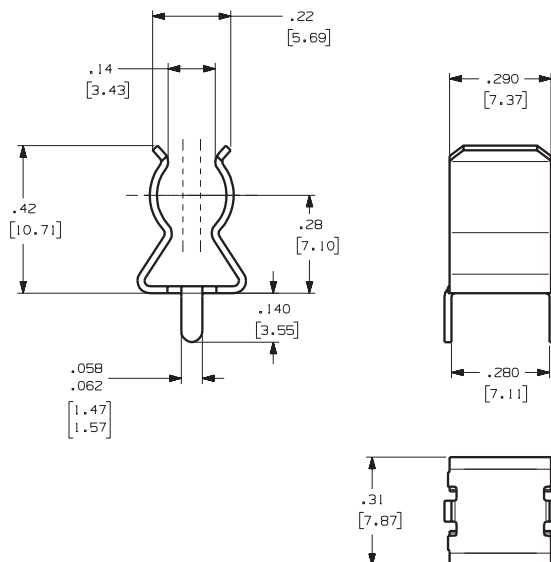
Part Number 1048

| | |
|----------------------------------|-----------------------|
| Loose Part No. | 1048 |
| Fuse Size | 1/4" (6.35mm) |
| Fuse Receptacle Type | Without Fuse Stop |
| Material Thickness / Type | 0.020" (0.51mm) Brass |
| Standard Finish | 100% Tin over Copper |
| Current Rating | 15 Amperes |
| Mounting Hole Diameter | 0.067" (1.70mm) |



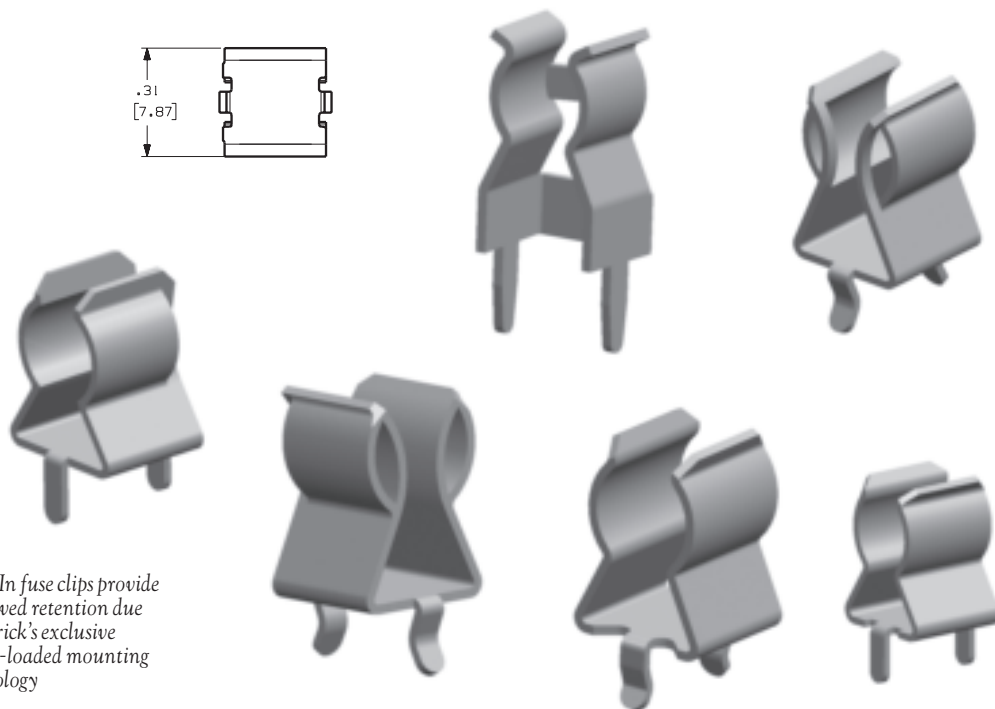
Part Number 926

| | |
|---------------------------|-----------------------|
| Loose Part No. | 926 |
| Fuse Size | 1/4" (6.35mm) |
| Fuse Receptacle Type | With Fuse Stop |
| Material Thickness / Type | 0.020" (0.51mm) Brass |
| Standard Finish | 100% Tin over Copper |
| Mounting Hole Diameter | 0.067" (1.70mm) |
| Current Rating | 15 Amperes |



Part Number 927

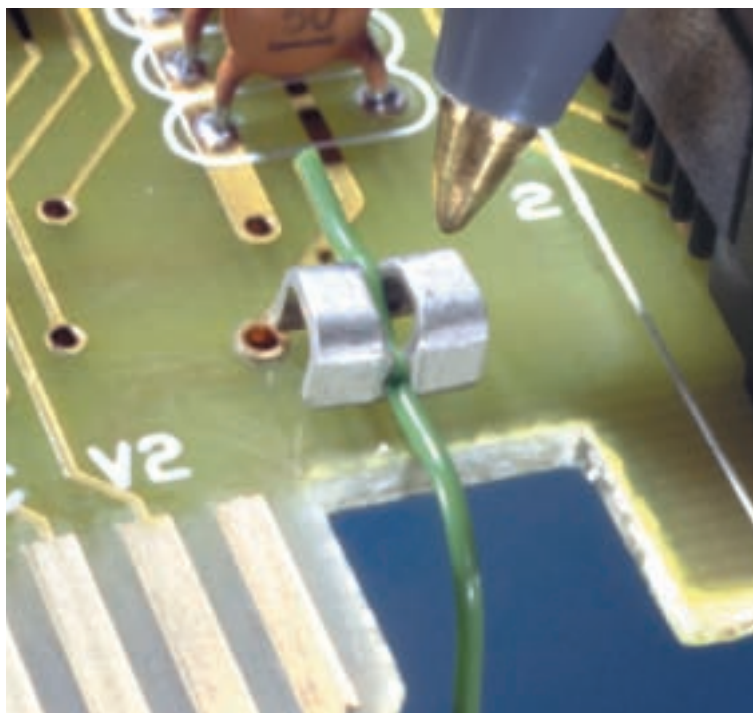
| | |
|---------------------------|-----------------------|
| Loose Part No. | 927 |
| Fuse Size | 1/4" (6.35mm) |
| Fuse Receptacle Type | Without Fuse Stop |
| Material Thickness / Type | 0.020" (0.51mm) Brass |
| Standard Finish | 100% Tin over Copper |
| Mounting Hole Diameter | 0.067" (1.70mm) |
| Current Rating | 15 Amperes |



Snap-In fuse clips provide improved retention due to Zierick's exclusive spring-loaded mounting technology

Features and Benefits

- Zierick's **Torsion-Lok™** IDC allows connection and insulation shear in one motion, eliminating pre-stripping.
- These IDC's provide superior performance compared to rigid contact beam IDC styles.
- They can be a cost-effective wire connection alternative.
- The high-deflection contact beam design withstands repeated mating cycles and harsh conditions such as extreme shock and vibration.
- The **Torsion-Lok™** design provides a predictable, pre-loaded connection force.
- The torsion beams provide ample stored energy and are highly resistant to permanent deformation and stress relaxation.
- The gas-tight interconnection is maintained without wire creep and slip.



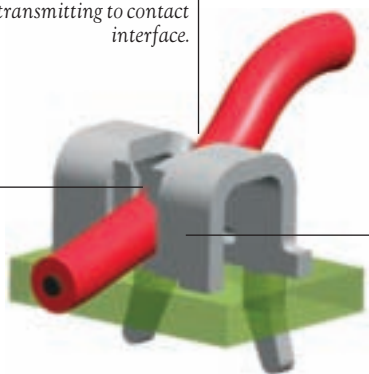
The **Torsion-Lok™** IDC received the PMA-Higgins Design Award based on its ability to deliver exceptional performance while saving costs. Designed for rigorous PCB and wire-end connection requirements, **Torsion-Lok™** IDC's out-perform traditional rigid contact beam IDC styles. Unlike a rigid IDC, the **Torsion-Lok™** permits a high degree of movement by the connection contacts. This

greater movement allows a contact beam deflection range that is many times greater than traditional IDC's. Connection is achieved by simply pushing the wire into the high deflection, zero-clearance connection slot for a reliable, gas-tight connection. This IDC is a cost-effective method of wire connection, providing exceptional flexibility and superior performance compared to traditional rigid contact beam IDC styles.

Built-in wire strain relief prevents wire motion from transmitting to contact interface.

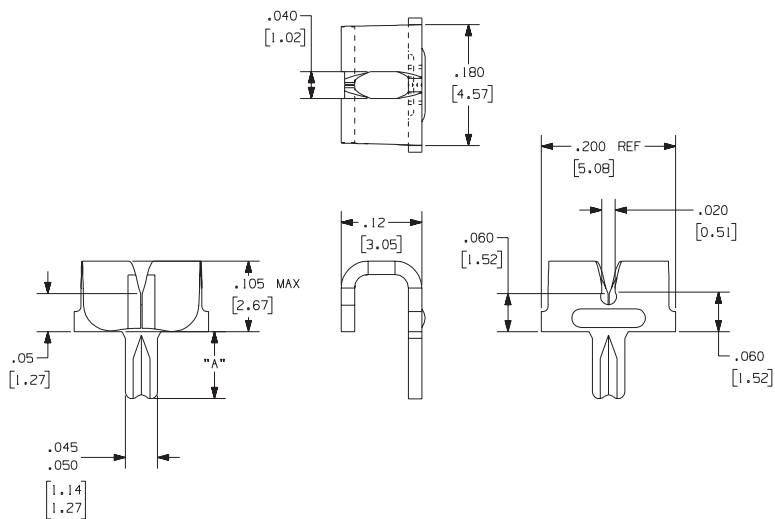
Unlike rigid contact beam styles providing only one-time use, **Torsion-Lok™** beams allow ample movement for repeated mating.

Insulation is cut with wire insertion, eliminating pre-stripping.



Continuous clamping provides a gas-tight interconnection.

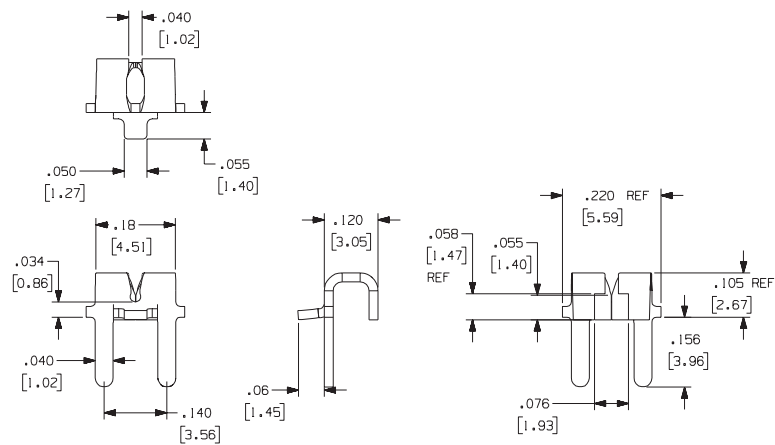
Zierick's family of **Torsion-Lok™** IDC's are available in loose and reeled formats for #30 through #14 AWG solid or stranded wire sizes. PCB and wire assembly can be done manually with Zierick hand tools and fixtures or automatically with Zierick semi- and fully-automated applicator systems.



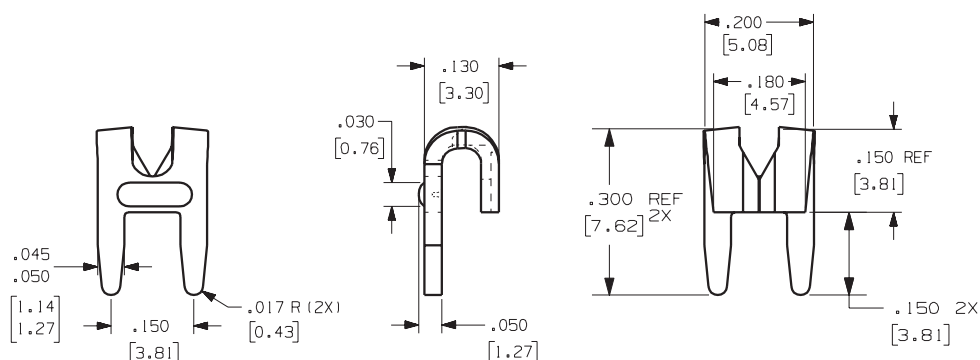
Part Numbers 1182, 1183, 6183

| | | |
|----------------------------------|--|---|
| Loose Part No. | 1182 | 1183 |
| Reeled Part No. | | 6183 |
| Mounting Type | Split Leg Splay for 0.031" (0.79mm) thick PCB | Split Leg Splay for 0.062" (1.57mm) thick PCB |
| Material Thickness / Type | 0.020" (0.51mm) Brass | |
| Standard Finish | Loose: 100% Tin over Copper Reeled: 100% Tin over Copper | |
| Wire Gauge Range | #30-26 AWG | |
| Mounting Hole Diameter | Single Hole 0.055" ± 0.003 " (1.40mm ± 0.076 mm) | |
| Current Rating | 10 Amperes | |
| "A" Dim | 0.070" (1.78mm) | 0.100" (2.54mm) |
| Applicator System | Loose: WTP-4ALL Reeled: Model 9700, 9700 XY Wire Termination: Consult factory. | |

Part Number 6114



| | |
|----------------------------------|---|
| Loose Part No. | N/A |
| Reeled Part No. | 6114 |
| Mounting Type | Outward or Inward Splay Surface Mount Solder 0.062" (1.57mm) thick PCB |
| Material Thickness / Type | 0.020" (0.51mm) Brass |
| Standard Finish | Loose: 100% Tin over Copper Reeled: 100% Tin over Copper |
| Wire Gauge Range | #30-26 AWG |
| Mounting Hole Diameter | 2 holes 0.050" ± 0.003 " (1.27mm ± 0.076 mm) on 0.140" (3.56mm) centers |
| Current Rating | 10 Amperes |
| Applicator System | Loose: ZPT-1114 Reeled: Model 9700, 9700 XY Wire Termination: Consult factory. |

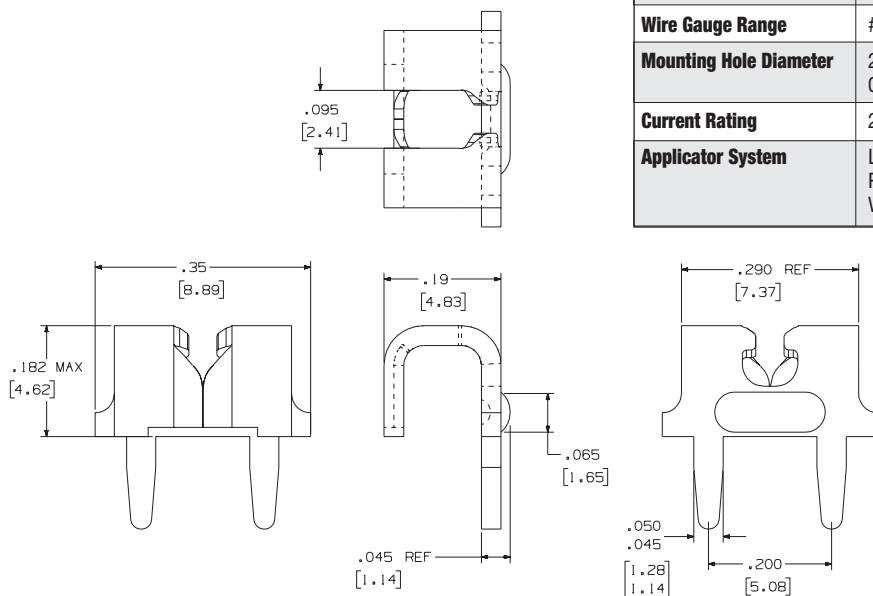


Part Numbers 1119, 6119

| | |
|----------------------------------|--|
| Loose Part No. | 1119 |
| Reeled Part No. | 6119 |
| Mounting Type | Outward or Inward Splay 0.062" (1.57mm) thick PCB |
| Material Thickness / Type | 0.032" (0.81mm) Brass |
| Standard Finish | Loose: 100% Tin over Copper Reeled: 100% Tin over Copper |
| Wire Gauge Range | #24-18 AWG |
| Mounting Hole Diameter | 2 holes 0.058" ±0.003" (1.47mm ±0.076) on 0.150" (3.81mm) centers |
| Current Rating | 30 Amperes |
| Applicator System | Loose: WTP-4ALL Reeled: Model 9700, 9700 XY Wire Termination: Consult factory. |

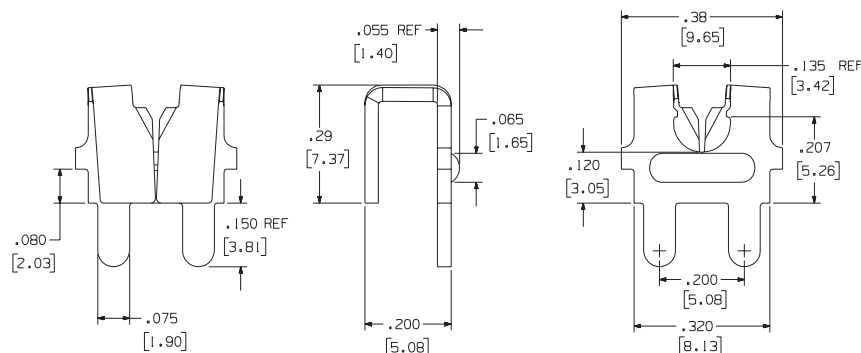
Part Number 1039

| | |
|----------------------------------|--|
| Loose Part No. | 1039 |
| Reeled Part No. | N/A |
| Mounting Type | Outward or Inward Splay 0.062" (1.57mm) thick PCB |
| Material Thickness / Type | 0.032" (0.81mm) Brass |
| Standard Finish | Loose: 100% Tin over Copper Reeled: 100% Tin over Copper |
| Wire Gauge Range | #24-18 AWG |
| Mounting Hole Diameter | 2 holes 0.058" ±0.003" (1.47mm ±0.076) on 0.200" (5.08mm) centers |
| Current Rating | 20 Amperes |
| Applicator System | Loose: WTP-4ALL Reeled: Model 9700, 9700 XY Wire Termination: Consult factory. |



Part Numbers 1174, 6174

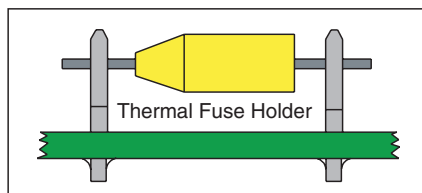
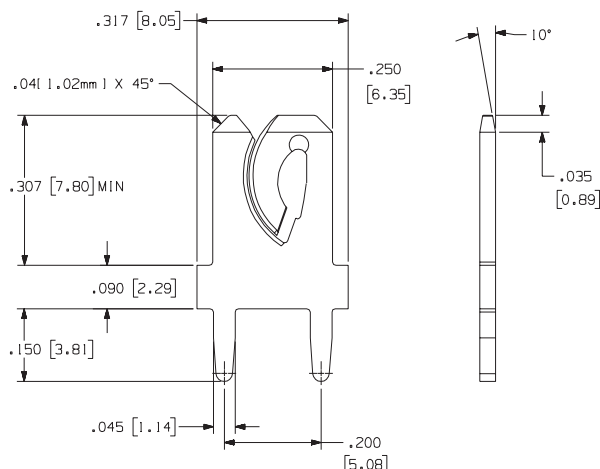
| | |
|----------------------------------|---|
| Loose Part No. | 1174 |
| Reeled Part No. | 6174 |
| Mounting Type | Outward or Inward Splay |
| Material Thickness / Type | 0.032" (0.81mm) Brass |
| Standard Finish | Loose: 100% Tin over Copper Reeled: 100% Tin over Copper |
| Wire Gauge Range | #16-14 AWG |
| Mounting Hole Diameter | 2 holes 0.080" ± 0.003 " (2.03mm ± 0.076 mm) on 0.200" (5.08mm) centers |
| Current Rating | 20 Amperes |
| Applicator System | Loose: WTW-1174 Reeled: Model 9700, 9700 XY Wire Termination Tool: WTPPL-1174-1 |



IDC / Quick Disconnect Tab For #24-18 AWG Wire

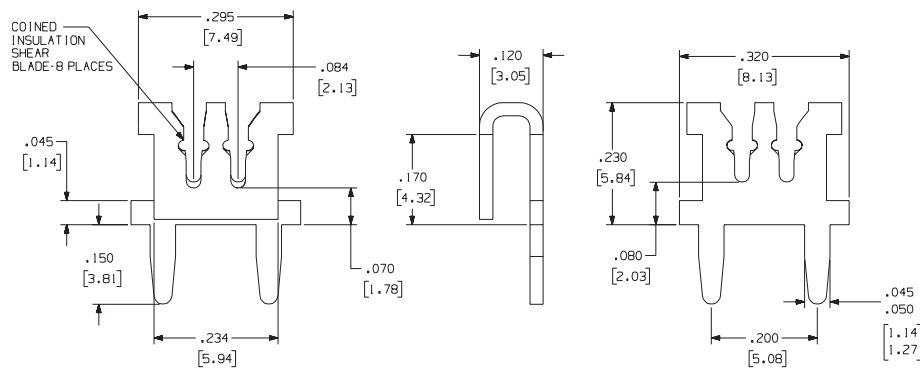
Part Numbers 1185, 6185

| | |
|----------------------------------|--|
| Loose Part No. | 1185 |
| Reeled Part No. | 6185 |
| Mounting Type | Outward or Inward Splay |
| Material Thickness / Type | 0.032" (0.81mm) Brass |
| Standard Finish | Loose: 100% Tin over Copper Reeled: 100% Tin over Copper |
| Wire Gauge Range | #24-18 AWG |
| Mounting Hole Diameter | 2 x .058" ± 0.003 " (1.47mm ± 0.076 mm) holes on 0.20" (5.08mm) centers |
| Current Rating | 20 Amperes |
| Applicator System | Loose: WTP-4ALL Reeled: Model 9700, 9700 XY Wire Termination: Consult factory. |



Part Number 6072

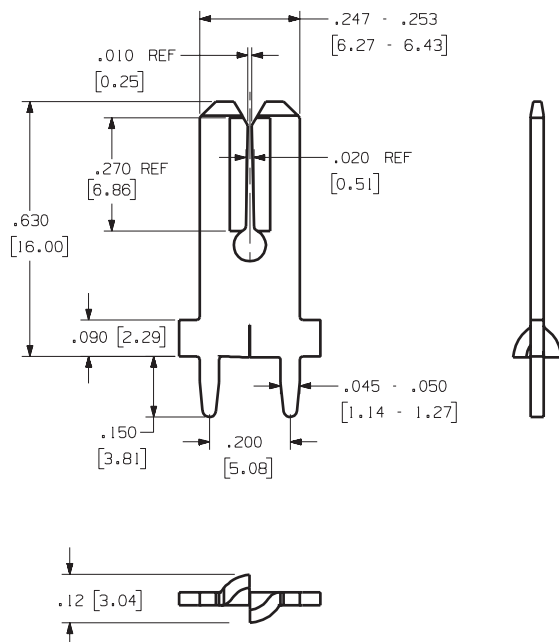
| | |
|----------------------------------|---|
| Loose Part No. | N/A |
| Reeled Part No. | 6072 |
| Mounting Type | Outward or Inward Splay |
| Material Thickness / Type | 0.025" (0.64mm) Brass |
| Standard Finish | Loose: 100% Tin over Copper Reeled: 100% Tin over Copper |
| Wire Gauge Range | #19-18 AWG Magnet Wire |
| Mounting Hole Diameter | 2 holes 0.058" \pm 0.003" (1.47mm \pm 0.076mm) on 0.200" (5.08mm) centers |
| Current Rating | 15 Amperes |
| Applicator System | Reeled: Model 9700, 9700 XY Wire Termination: Consult factory. |



0.025" (6.35mm) Tab / IDC

Part Number 6205

| | |
|----------------------------------|--|
| Loose Part No. | N/A |
| Reeled Part No. | 6205 |
| Mounting Type | Outward or Inward Splay |
| Material Thickness / Type | 0.032" (0.81mm) Brass |
| Standard Finish | 100% Tin over Copper |
| Wire Gauge Range | #19-18 AWG Magnet Wire |
| Mounting Hole Diameter | 0.058" \pm 0.003" (1.47mm \pm 0.076mm) |
| Current Rating | 20 Amperes |
| Applicator System | Model 9700, 9700 XY |



Manual and Semi-Automatic IDC Wire Insertion Tools

Zierick offers a variety of wire insertion tools for wire-to-IDC connections. These include wire insertion hand tools for limited volume applications, and pneumatic hand tools for faster and easier connections for higher volumes.

The "XXXX" in the names of the Tools stands for the part numbers they are inserting.



WTCP-XXXX



WTW-XXXX



WTPPS-XXXX

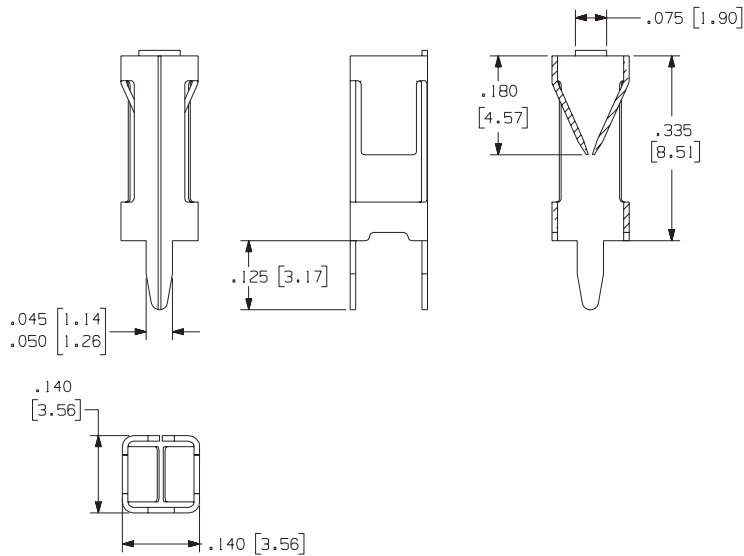


WTP-4ALL



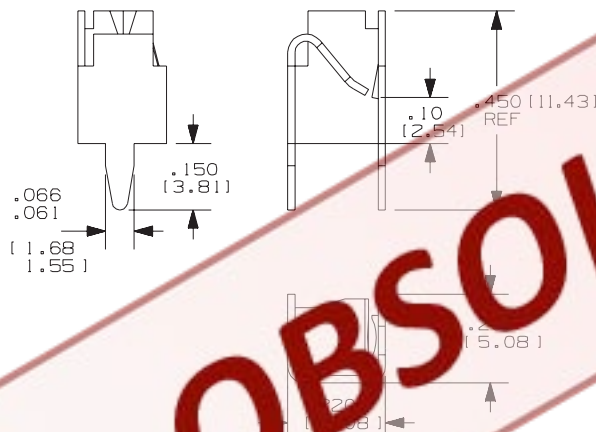
WTPPL-XXXX

Part Numbers 1187, 6187

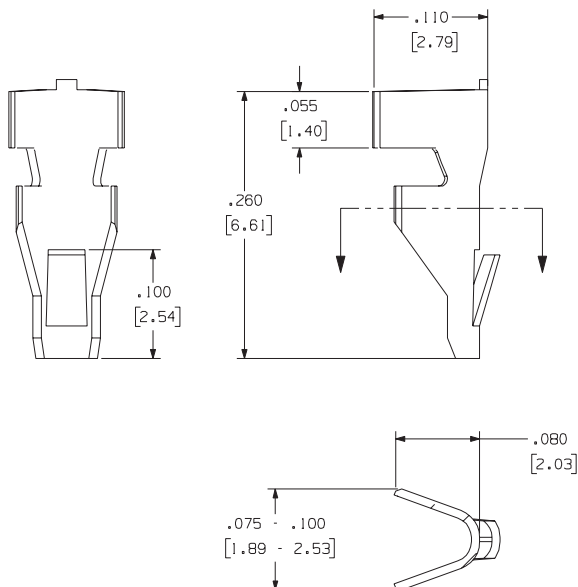


| | |
|----------------------------------|--|
| Loose Part No. | 1187 |
| Reeled Part No. | 6187 |
| Mating Wire Size | #20-#14 AWG |
| Mounting Type | Outward Splay |
| Material Thickness / Type | 0.010" (0.25mm) Phosphor Bronze |
| Standard Finish | Loose: 100% Tin over Copper Reeled: 100% Tin over Copper |
| Mating Type | Vertical |
| Mating Entry | Top |
| Mounting Hole Diameter | 2 holes 0.050" ± 0.003 " (3.81mm ± 0.076 mm) on 0.130" ± 0.003 " (3.302mm ± 0.076 mm) centers |
| Current Rating | 10 Amperes |
| Resistance Rating | 10mOhm Max |
| Temperature Rating | -65° to 105°C |
| Insertion Force-Max. | Application Dependent / Submit Mating Terminal Sample to Factory |
| Withdrawal Force-Max. | Application Dependent / Submit Mating Terminal Sample to Factory |
| Applicator System | Loose: Consult factory Reeled: Model 9700, 9700 XY |

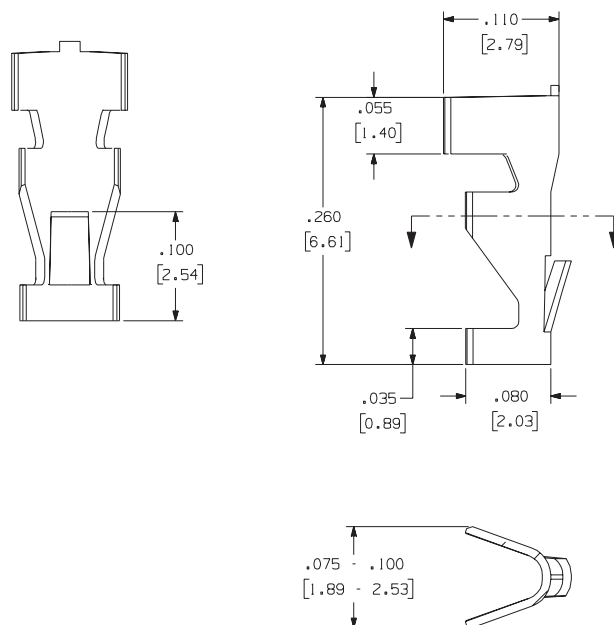
Part Numbers 1176, 6176



| | |
|----------------------------------|---|
| Loose Part No. | 1176 |
| Reeled Part No. | 6176 |
| Mating Wire Size | #14-#10 AWG |
| Mounting Type | Outward Splay |
| Material Thickness / Type | 0.006" (0.15mm) C26000 Brass |
| Standard Finish | Loose: 100% Tin over Copper Reeled: 100% Tin over Copper |
| Mating Type | Vertical |
| Mating Entry | Top |
| Mounting Hole Diameter | 2 holes 0.072" ± 0.003 " (1.83mm ± 0.076 mm) on 0.200" ± 0.003 " (5.08mm ± 0.076 mm) centers |
| Current Rating | 10 Amperes |
| Resistance Rating | 10mOhm Max |
| Temperature Rating | -65° to 75°C |
| Insertion Force-Max. | Application Dependent / Submit Mating Terminal Sample to Factory |
| Withdrawal Force-Max. | Application Dependent / Submit Mating Terminal Sample to Factory |
| Applicator System | Loose: Consult factory Reeled: Model 9700, 9700 XY |

Part Number 5044


| | |
|----------------------------------|---|
| Loose Part No. | 5044 |
| Material Thickness / Type | .020 C26000 Brass |
| Finish Code | Pre-Finished 100% Hot Tin Dip (consult factory for thickness). Material edges will be bare. |
| Wire Range | 22-18 AWG |
| Mounting Hole Diameter | 0.073" (1.85mm) |
| Applicator System | Model 4000 |

Part Number 5088


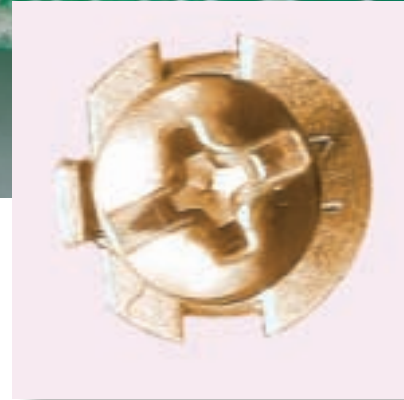
| | |
|----------------------------------|---|
| Loose Part No. | 5088 |
| Material Thickness / Type | .020 C26000 Brass |
| Finish Code | Pre-Finished 100% Hot Tin Dip (consult factory for thickness). Material edges will be bare. |
| Wire Range | 22-18 AWG |
| Mounting Hole Diameter | 0.073" (1.85mm) |
| Applicator System | Model 4000 |

Features and Benefits

- Zierick screw terminals allow reliable attachment of discrete lead wires to printed circuit boards.
- They are an alternative to expensive PCB mountable terminal strips and barrier blocks.
- Our screw terminals provide a solid gas-tight connection with improved vibration resistance and minimal long-term stress relaxation.
- They are available in seven basic configurations, and are acceptable for most common wire gauges.
- Available with or without screws, they can be staked or unstaked, turned-down or backed-out.
- They may be ordered in a variety of thread and screw sizes, in addition to our Combination Head Screw.
- They are assembled with solder-resistant 100% stainless steel screws or custom screws if required.
- They are plated with tin overplate and copper underplate for improved solderability.
- Zierick's new Combination Head Screw allows the use of either slot or Phillips head screwdrivers. It is currently available for PN 934 ST.SC. Consult the factory for information on availability of this product.



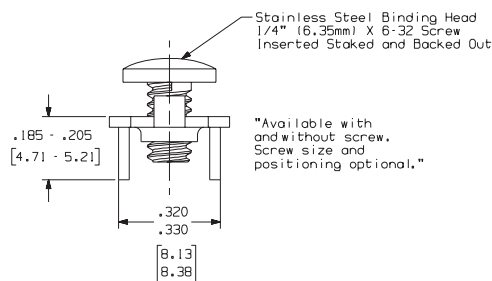
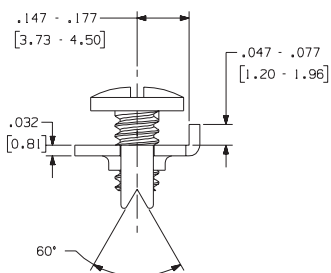
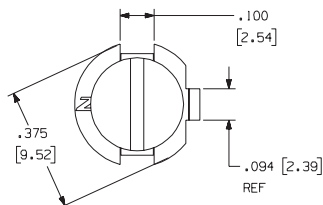
Combination Head Screw
Part Number 934 ST.SC



Part Numbers 731, 934 ST.S, 934 ST.SC

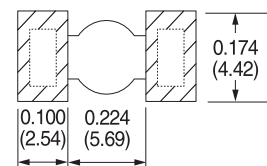
| | | | |
|---------------------------|-----------------------|--|-----------|
| Loose Part No. | 731 | 934 ST.S | 934 ST.SC |
| Material Thickness / Type | 0.032" (0.81mm) Brass | | |
| Standard Finish | 100% Tin over Copper | | |
| Screw Type | No Screw | Stainless Steel Binding Head 1/4" (6.35) x 6-32 | |
| Screw Position | No Screw | Inserted, Staked & Backed out | |
| Current Rating | 30 Amperes | | |

ST.S stands for Stainless Steel Screw. ST.SC stands for Stainless Steel Screw with a Combination Head which can be turned with either a slot head or Phillips screwdriver.

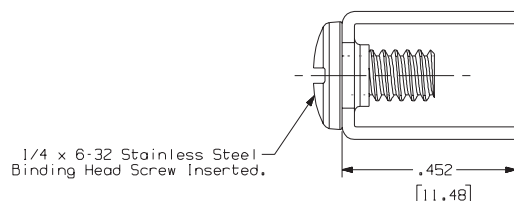


Recommended Pad Geometry

(Underside of PCB)

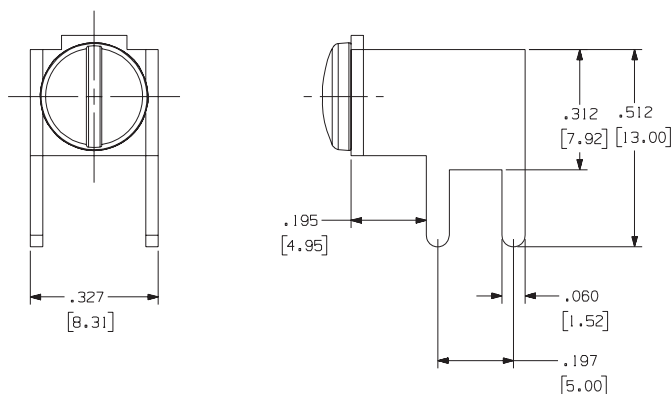
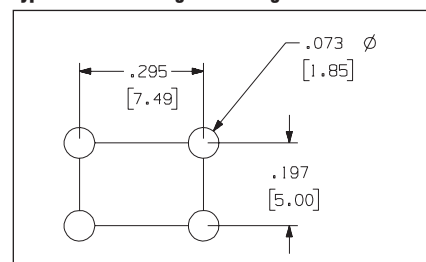


Part Numbers 1117 ST.S, 1117, 1116 ST.S, 1202



| | | | | |
|---------------------------|---|----------|---|---|
| Loose Part No. | 1117 ST.S | 1117 | 1116 ST.S | 1202 |
| Material Thickness / Type | 0.032" (0.81mm) C26000 Brass | | | |
| Standard Finish | Pre-Tinned Brass | | | |
| Screw Type | Stainless Steel Binding Head 1/4" (6.35mm) x 6-32 | No Screw | Stainless Steel Binding Head 1/4" (6.35mm) x 6-32 | Stainless Steel Binding Head 1/4" (6.35mm) x 6-32 |
| Screw Position | Inserted & Down | N/A | Inserted & Down | Inserted, Staked & Backed Out |
| Wire Stop | No | | Yes | |
| Current Rating | 30 Amperes | | | |

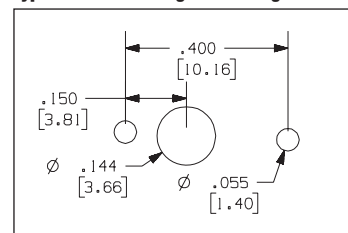
Typical PCB Mounting Hole Configuration



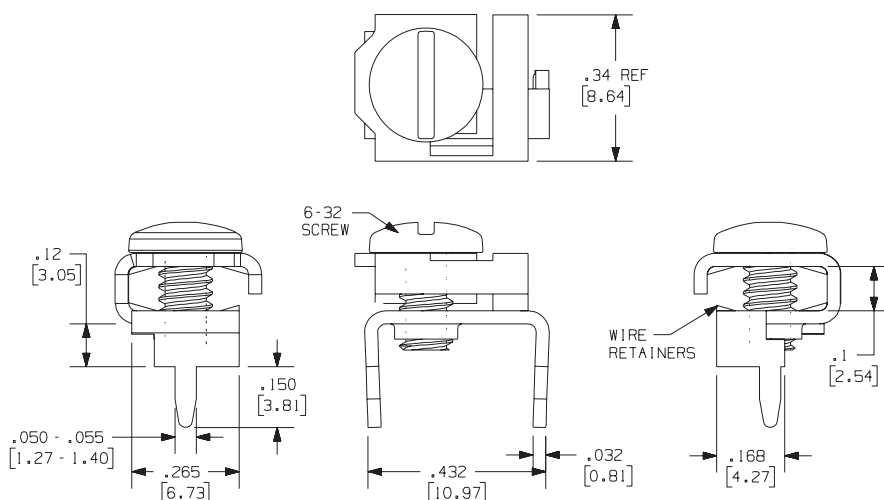
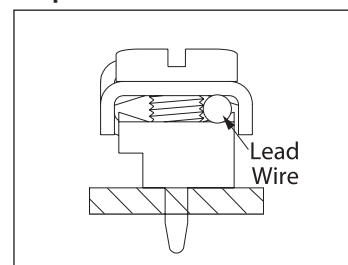
Part Number 1030

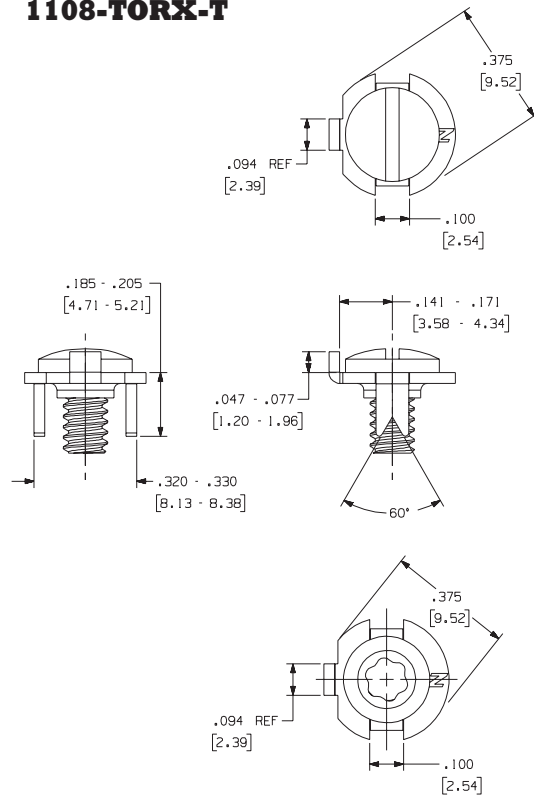
| Loose Part No. | 1030 |
|---------------------------|--|
| Material Thickness / Type | 0.032" (0.81mm) Brass |
| Screw Type | Stainless Steel Binding Head 5/16" (7.92mm) x 6-32 |
| Screw Position | Down until just touching surface of part |
| Standard Finish | 100% Tin over Copper |
| Current Rating | 30 Amperes |

Typical PCB Mounting Hole Configuration



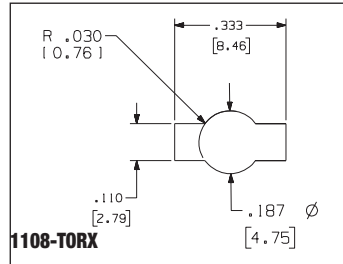
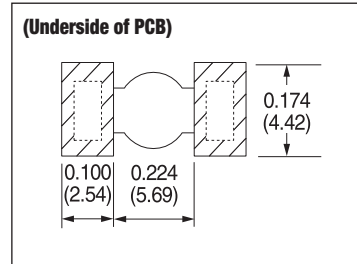
Clamp Down Condition



**Part Numbers 1108,
1108-GRSC, 1108-TORX,
1108-TORX-T**


| Loose Part No. | 1108 | 1108-GRSC | 1108-TORX | 1108-TORX-T |
|---------------------------|--|-----------|---|-------------|
| Material Thickness / Type | 0.032" (0.81mm) Brass | | | |
| Standard Finish | Matte Tin | | | |
| Screw Type | Stainless Steel Binding Head 1/4" (6.35mm) X 6-32 | | 1/4" (6.35mm) x 6-32 Torx Head Screw | |
| Screw Position | Inserted, Staked and Down | | | |
| Current Rating | 30 Amperes | | | |

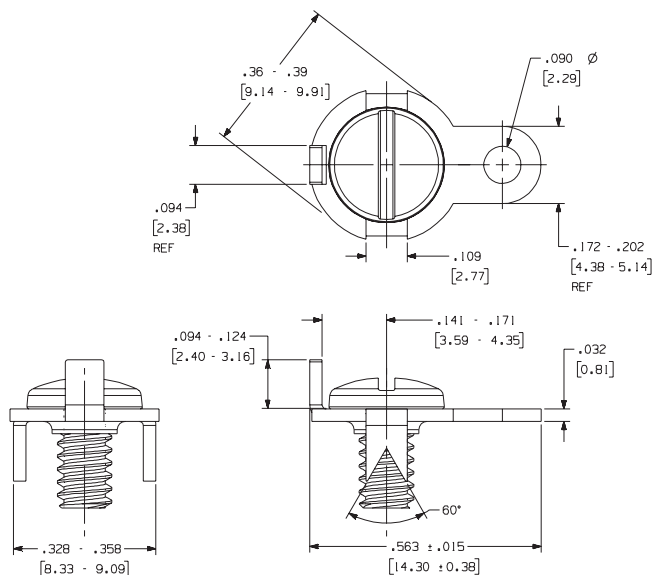
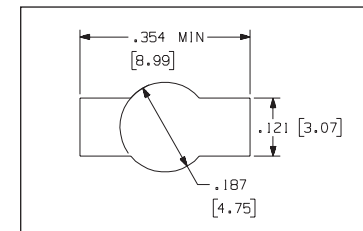
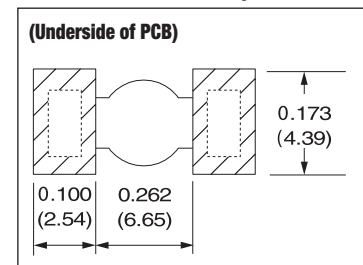
GRSC is a green screw which indicates it is a grounding screw, and TORX is a screw which requires a Torx screwdriver to be turned.

Typical PCB Mounting Configuration

Recommended Pad Geometry


"Available with and without screw.
Screw size and positioning optional."

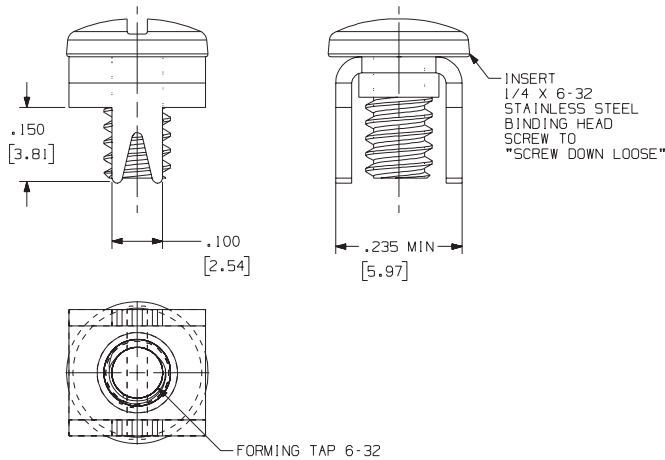
Part Numbers 792, 348

| Loose Part No. | 792 | 348 |
|-------------------------|-----------------------|---|
| Material Thickness Type | 0.032" (0.81mm) Brass | |
| Standard Finish | 100% Tin over Copper | |
| Screw Type | No Screw | Tin Plated Brass Binding Head 5/16" (7.94mm) x 6-32 |
| Screw Position | No Screw | Down, No Stake |
| Current Rating | 30 Amperes | |

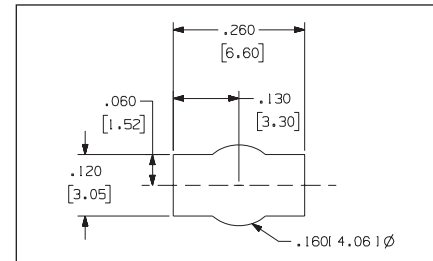

Typical Mounting Configuration

Recommended Pad Geometry


Part Number 1158 ST.S

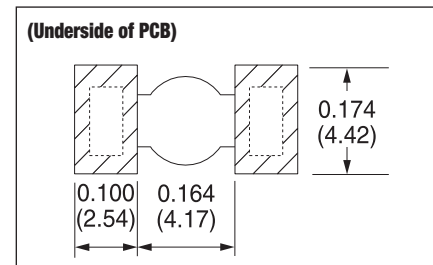
| | |
|--------------------------------|---|
| Loose Part No. | 1158 ST.S |
| Material Thickness Type | 0.032" (0.81mm) Brass |
| Standard Finish | 100% Tin over Copper |
| Screw Type | Stainless Steel Binding Head 0.250" (6.35mm) x 6-32 |
| Screw Position | Down, No Stake |
| Current Rating | 30 Amperes |



Typical PCB Mounting Detail

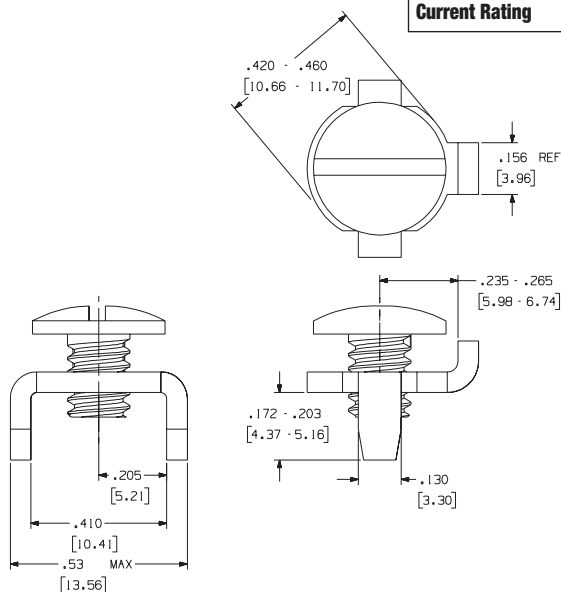


Recommended Pad Geometry

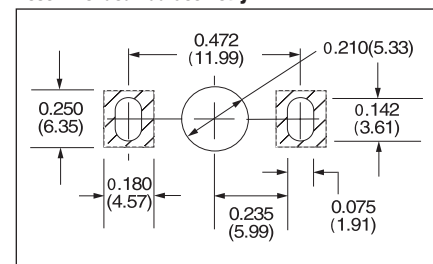


Part Numbers 928, 928-No Screw, 928-No Stake

| | | | |
|----------------------------------|--|--------------|--|
| Loose Part No. | 928 | 928-No Screw | 928-No Stake |
| Material Thickness / Type | 0.062" (1.57mm) Brass | | |
| Standard Finish | 100% Tin over Copper | | |
| Screw Type | Stainless Steel Binding Head 1/4" (6.35mm) x 10-32 | No Screw | Stainless Steel Binding Head 1/4" (6.35mm) x 10-32 |
| Screw Position | Inserted, Staked and Backed-Out | No Screw | Inserted and Down |
| Current Rating | 30 Amperes | | |

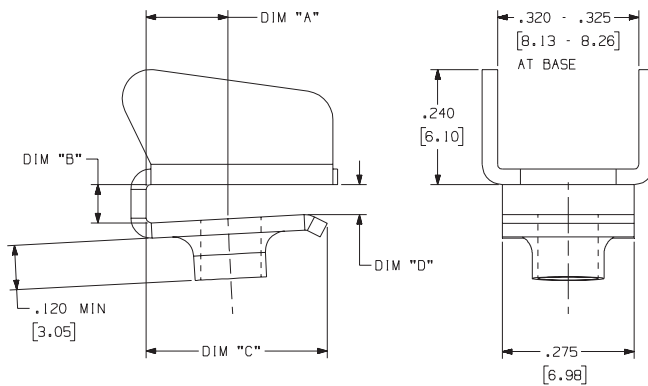
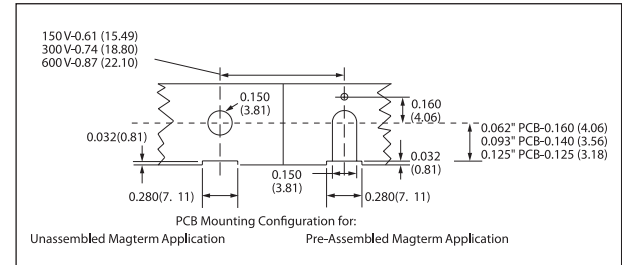


Typical PCB Mounting Configuration and Recommended Pad Geometry

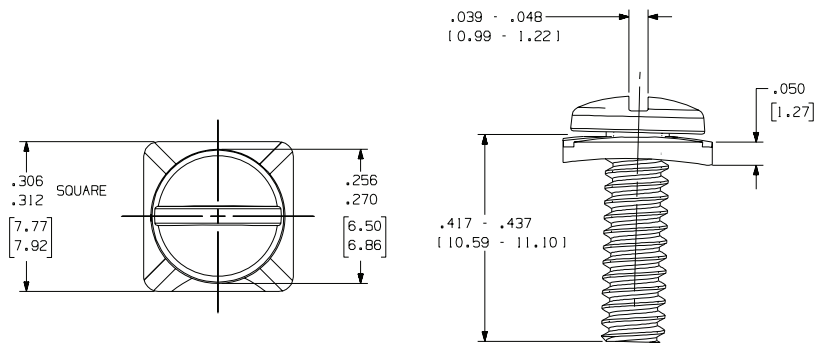


Part Numbers M6111, M6112

| Loose Part No. | M6111 | M6112 |
|---------------------------|-------------------------------|-------------------------------|
| Material Thickness / Type | 0.032" (0.81mm) Brass | |
| Standard Finish | 100% Matte Tin | |
| Screw Specifications | No Screw | |
| Current Rating | 30 Amperes | |
| Dim 'A' | 0.160" (4.06mm) | 0.145" (3.68mm) |
| Dim 'B' | 0.070"/0.075" (1.78mm/1.91mm) | 0.102"/0.107" (2.59mm/2.72mm) |
| Dim 'C' | 0.380" (9.65mm) | 0.365" (9.27mm) |
| Dim 'D' | 0.048"/0.058" (1.22mm/1.47mm) | 0.081"/0.091" (2.06mm/2.31mm) |

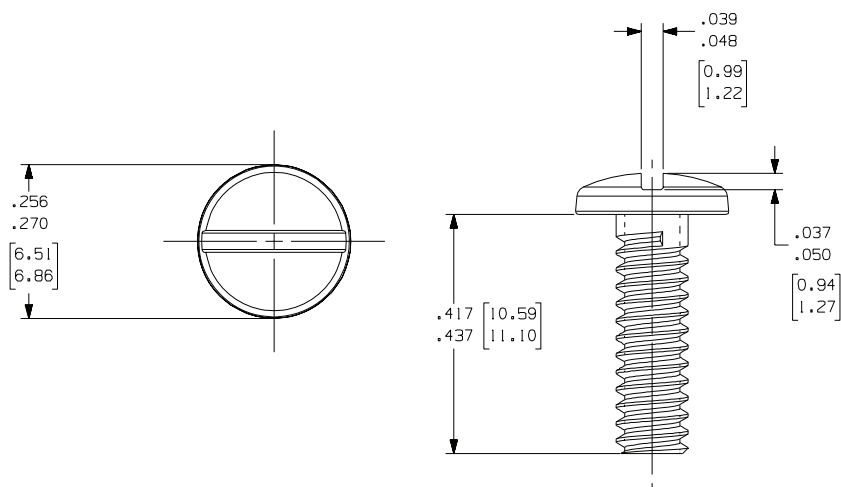
**Typical PCB Mounting Configuration****Part Number
7/16 SEMS SCREW**

| Loose Part No. | 7/16 SEMS SCREW |
|-----------------|-----------------|
| Material Type | Steel |
| Standard Finish | Zinc |
| Current Rating | 30 Amperes |



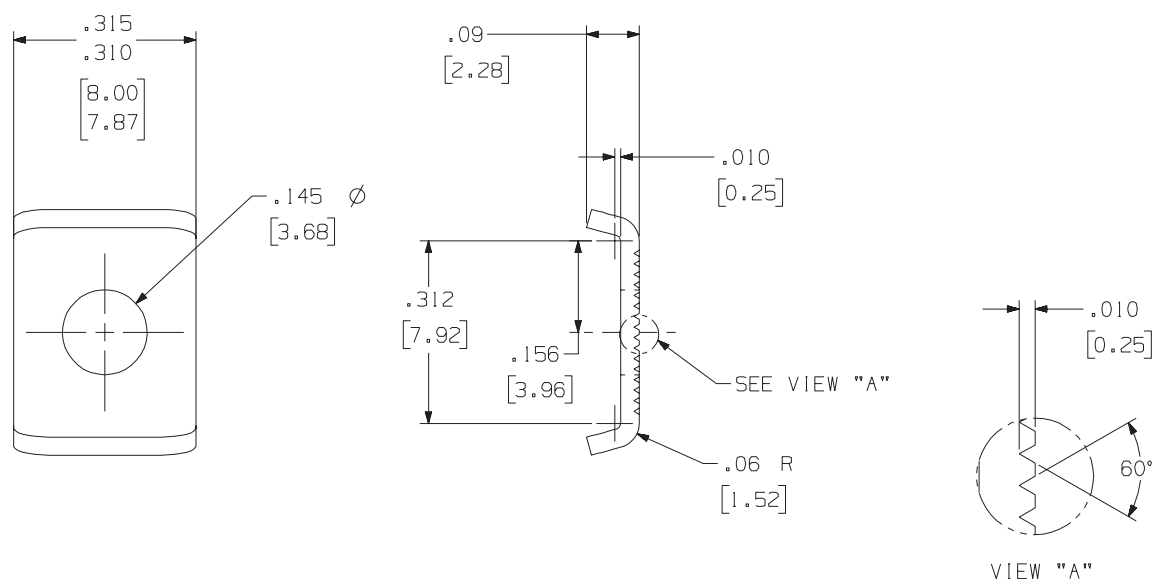
Part Number 7/16 632 BET SCREW

| | |
|-----------------|--------------------|
| Loose Part No. | 7/16 632 BET SCREW |
| Material Type | Brass |
| Standard Finish | 100% Matte Tin |
| Current Rating | 30 Amperes |



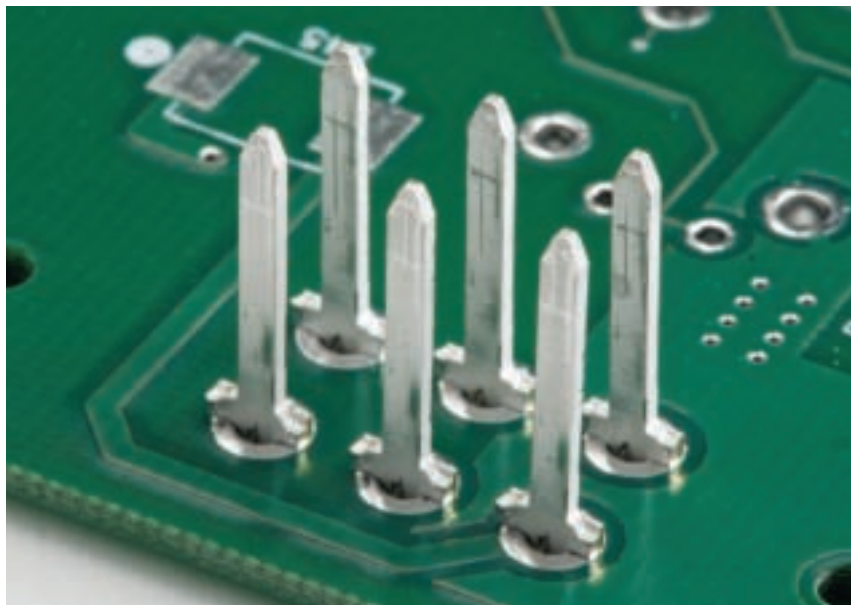
Part Number CPB 9030

| | |
|-----------------|----------------|
| Loose Part No. | CPB 9030 |
| Material Type | Brass |
| Standard Finish | 100% Matte Tin |
| Current Rating | 30 Amperes |



Features and Benefits

- **Accu-Post™** terminals feature a unique mounting design that improves PCB quality and reduces instances of solder joint fractures, and loose or misaligned posts.
- This **Accu-Lok™** mounting assures superior retentive strength, perpendicularity and solder joint integrity.
- Retention is accomplished by a controlled splitting and forming of the terminal leg.
- **Accu-Lok™** mounting permits the use of mounting holes with a diameter tolerance of $\pm 0.003"$ ($\pm 0.076\text{mm}$).
- Forces due to mating, withdrawal, vibration, shock, or temperature cycles are not transferred to the PCB solder joint.
- Since the unique design of **Accu-Lok™** is not a press fit, hole damage and deformity do not occur.

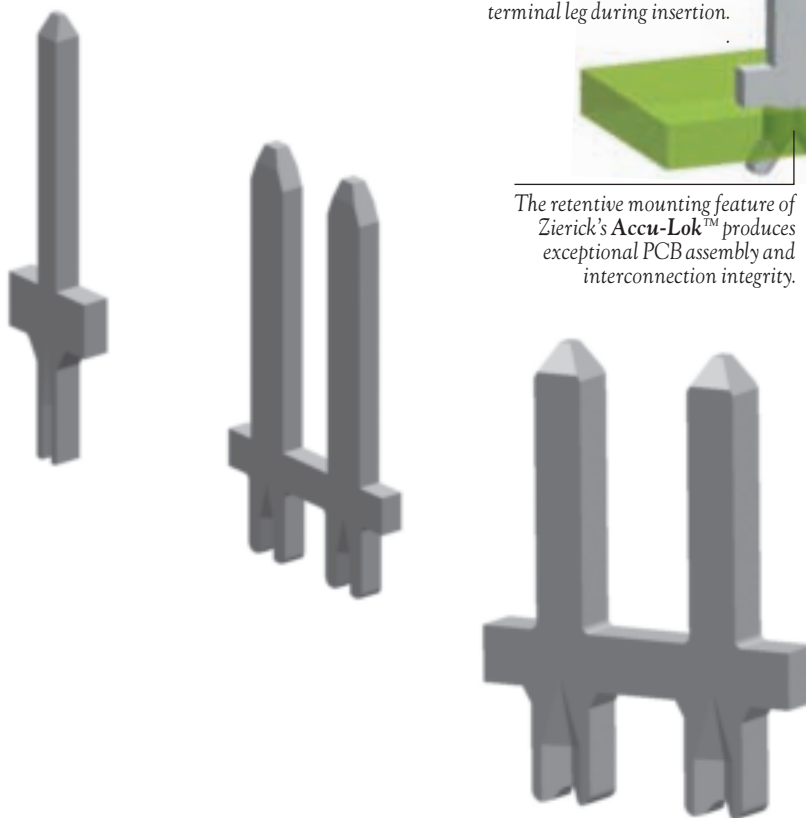


PCB retention of **Accu-Lok™** is accomplished by a controlled splitting and forming of the terminal leg during insertion.

The solder joint is protected from stresses due to mating, withdrawal, or shock.

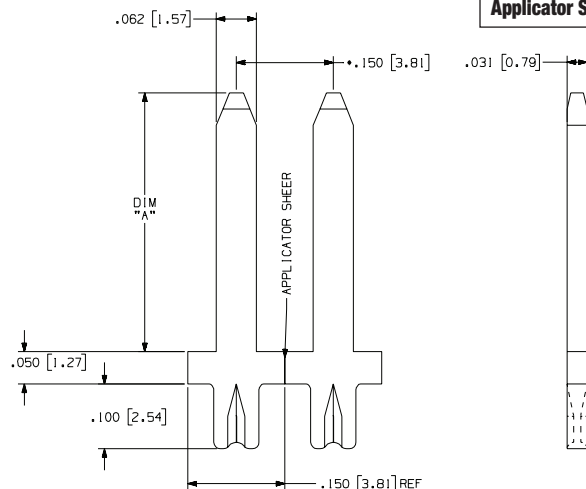
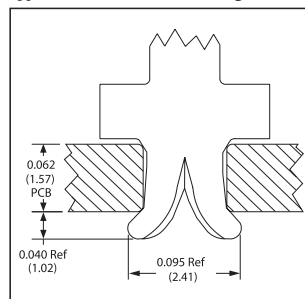
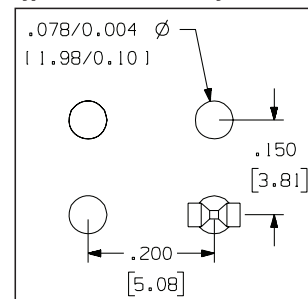
The retentive mounting feature of Zierick's **Accu-Lok™** produces exceptional PCB assembly and interconnection integrity.

Since the unique design of **Accu-Lok™** is not a press fit, hole damage and deformity do not occur.

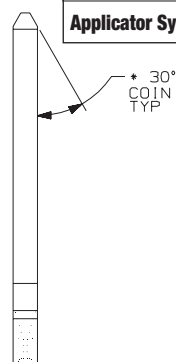
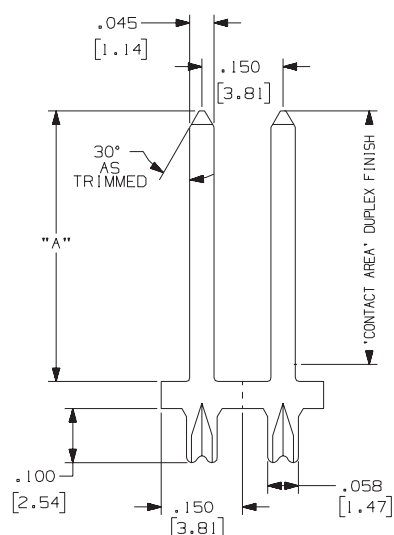
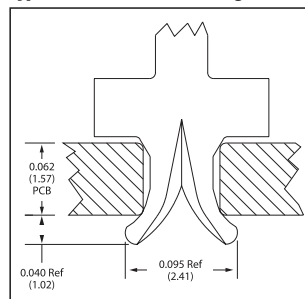
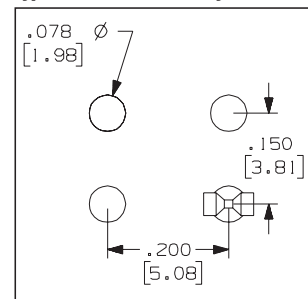


Part Number 6073-xxx

| | | | | | |
|----------------------------------|-----------------------|---------------------|---------------------|---------------------|------------------|
| Loose Part No. | 6073-300 | 6073-400 | 6073-490 | 6073-615 | 6073-xxx-xxx |
| Dimension 'A' | 0.350" (8.89mm) | 0.400" (10.16mm) | 0.490" (12.45mm) | 0.615" (15.62mm) | Customer Req. |
| Mounting Type | Split Leg Splay | | | | |
| Material Thickness / Type | 0.032" (0.81mm) Brass | | | | |
| Standard Finish | 100% Tin over Copper | | | | |
| Mounting Hole Diameter | 0.078" (1.98mm) | | | | |
| Current Rating | 10 Amperes | | | | |
| Applicator System | Model 9700, 9700 XY | | | | |

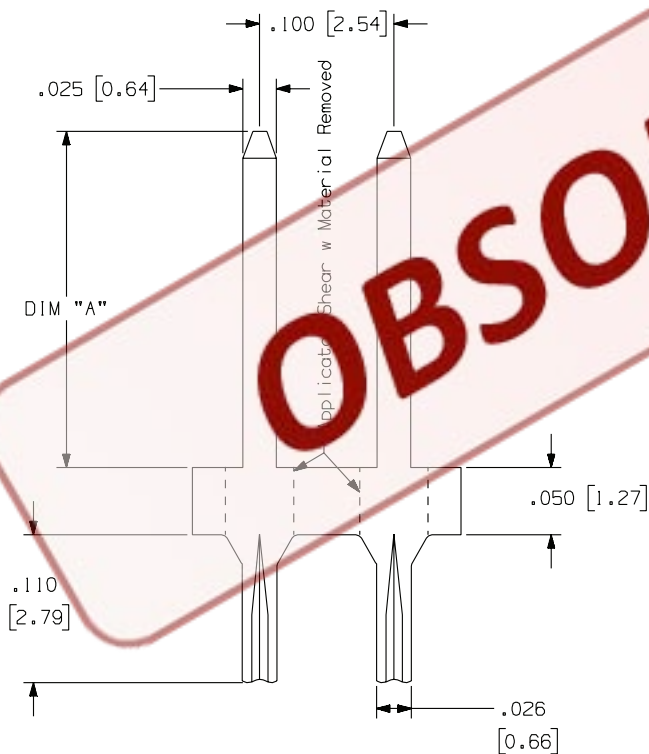
**Typical Accu-Lok™ Mounting****Typical PCB Grid Geometry****0.045" (1.14mm) Square****Part Number 6075-xxx**

| | | | | | | | | |
|----------------------------------|-----------------------|---------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Loose Part No. | 6075-250 | 6075-312 | 6075-450 | 6075-500 | 6075-575 | 6075-650 | 6075-750 | 6075-930 |
| Dimension 'A' | 0.250" (6.35 mm) | 0.312" (7.92 mm) | 0.450" (11.43 mm) | 0.500" (12.70 mm) | 0.575" (14.61 mm) | 0.650" (16.51 mm) | 0.750" (19.05 mm) | 0.930" (23.62 mm) |
| Mounting Type | Split Leg Splay | | | | | | | |
| Material Thickness / Type | 0.045" (1.14mm) Brass | | | | | | | |
| Standard Finish | 100% Tin over Copper | | | | | | | |
| Mounting Hole Diameter | 0.072" (1.83mm) | | | | | | | |
| Current Rating | 10 Amperes | | | | | | | |
| Applicator System | Model 9700, 9700 XY | | | | | | | |

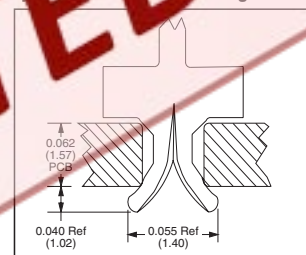
**Typical Accu-Lok™ Mounting****Typical PCB Grid Geometry**

Part Number 6143-xxx

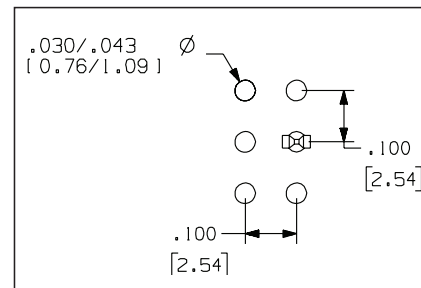
| | | |
|----------------------------------|-------------------------------|----------------|
| Loose Part No. | 6143-250 | 6143-xxx |
| Dimension 'A' | 0.250" | Customer Reqt. |
| Mounting Type | Split Leg Splay | |
| Material Thickness / Type | 0.025" (0.64mm) C26000 Brass | |
| Standard Finish | 100% Tin over Copper | |
| Mounting Hole Diameter | 0.030"/0.043" (0.76mm/1.09mm) | |
| Current Rating | 8 Amperes | |



Typical PCB Mounting



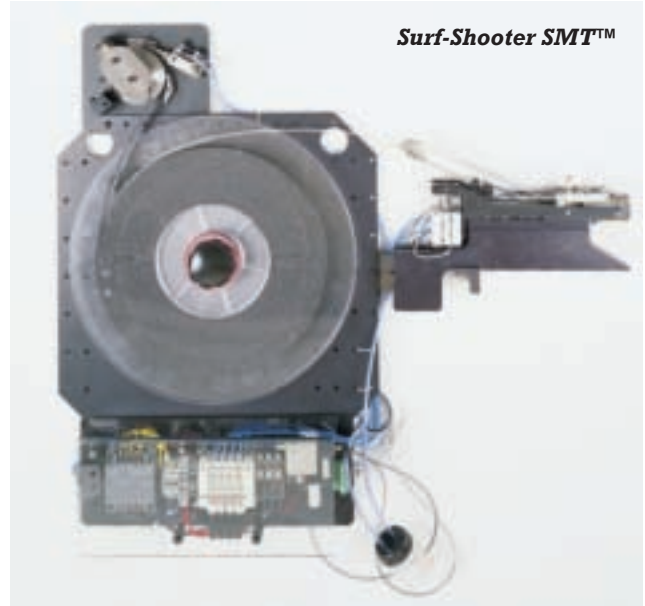
Typical PCB Grid Geometry



Model 9700 XY

Zierick's family of full and semi-automated through-hole terminal insertion systems simplifies applications, and provides the greatest range of functionality and flexibility for insertion needs.

Our complete line of THT insertion systems includes the Model 9700 XY and Model 9700 and hand tools.

Surf-Shooter SMT™

Zierick's **Surf-Shooter SMT™** Feeder for Continuous Strip terminals and our SMT Loose Piece Pin feeder are designed to work with our customers' placement systems, and eliminate the need for costly taping.

Model 9700**SMT Loose Piece Pin Feeder****Model MP 1000**

Semi-Automated and Manual Wire Crimping Equipment for SMT Insulation Piercing Connectors

Versa Crimp

Basic Features

- Fully Automatic
- 12" x 12" PC board capacity
- High speed servo driver platform
- Machine cycle rate capable of over 5,000 pph
- Easy operator programmability
- Standard Model 9700 tooling compatibility
- Dedicated or adjustable board fixturing options
- Touch-screen interface
- Ergonomic safety cover package
- Compact table top design
- Optional CE compliance
- BEC Capabilities
- Microprocessor controlled
- Efficient insertion for a range of applications
- Sturdy construction for long life
- Accurate, repeatable results
- Quick change tooling

Air Requirements

- 90-120 PSI (6.2- 8.3 bar)
- 10 CFM (4.2 L/S)

Power Requirements

- 120 VAC, 60Hz, 10 AMPS
- Optional 240V, 50 Hz, 5 AMP

Dimensions

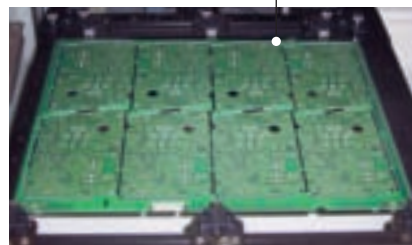
- Length 48" (1219 mm)
- Depth 45" (1143 mm)
- Height 38" (965 mm)
- Weight 275 lbs. (125 Kgs.)



Designed for maximum reliability, the Zierick Model 9700 XY Positioning Terminal Insertion System is an ideal work cell for production lines, and provides solutions for the fluctuating demands of contract manufacturers. Its modular tooling reduces downtime between terminal changeovers to keep things moving on your shop floor.

The 9700 XY incorporates a modified 9700 terminal insertion machine with a dual axis positioning system to achieve high speed, repeatable insertions through a set of programmed coordinates. User interface is through a series of menus presented to the operator via touch-screen controls.

Programming can be done manually though a simple jog and teach process, or specific data points can be downloaded directly to the PLC with an optional data connection kit. The unit is capable of storing 50 programs with 150 position points each, all of which can be



This is an image of a PCB inside the work board holder of the XY. Zierick's Model 9700 XY Terminal Insertion System is fully automatic, with a machine cycle rate of over 5,000 pph.

modified, deleted, or added to at any time.

The system is a self-contained positioning and insertion unit, which is designed to fit on a standard bench top and require minimal user intervention. Once programmed and aligned for a specific board pattern, the system will provide fast, repeatable insertions without the need for adjustment or calibration.



The Model 9700 delivers fast performance, with production rates up to 5,000 pph, and inserts Zierick's full range of continuous strip PCB terminals and connectors.

Flexibility makes the Model 9700 ideal for production lines and manufacturers. Its sleek, compact appearance is combined with a rugged yet lightweight construction, providing dependable performance in a small bench-top footprint.

This model is designed for easy operator use. Set-up, alignment, and terminal changeover are accomplished by a number of key equipment features. These features include interchangeable applicator tooling, calibration tools for head-to-anvil alignment, fewer moving parts, and accurately machined mating surfaces.

Basic Features

- Interchangeable tooling
- Self-locating anvil/lower tooling
- Cycle rate up to 5,000 pph
- Modular head, anvil, & feed
- Microprocessor controlled
- Automatic activation system
- Front panel machine status lights
- Optional CE compliance

Air Requirements

- 80-90 PSI (6.2-8.3 bar)
- 8 CFM (3.8 L/S)

Power Requirements

- 120 VAC, 60Hz, 2 AMPS
- Optional 240V, 50 Hz, 1AMP

Dimensions

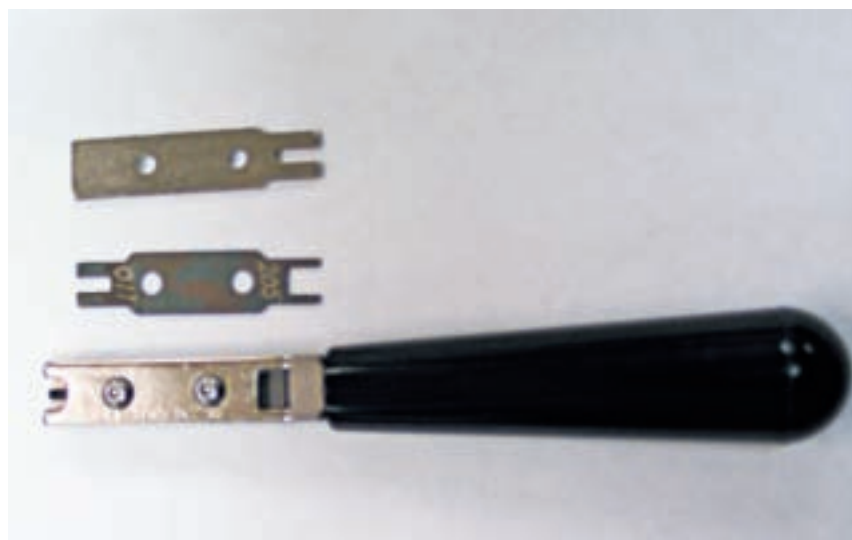
- Length 33.5" (851mm)
- Depth 5" (381mm)
- Width 12" (305mm)
- Weight 118lbs. (53.5Kgs)
- Throat Depth 15" (361mm)

Features and Benefits:

- Simple and reliable method for inserting press-fit and splay mounted terminals.
- Single tool can handle multiple terminal insertion applications.
- Tools can be installed on almost any type of manual or pneumatic press.

Ideal for low volume, short run, and prototype PCB assembly applications, Zierick's hand tools offer a simple and reliable method for inserting press fit and splay mounted terminals.

The hand tool can be easily installed on any type of press machine for increased flexibility and faster insertion. With the



addition of a lower tool die, terminals can then be splayed and locked into place to improve reliability and prevent part removal and rotation.

Zierick hand tools are available for PCB-mounted quick-disconnect terminals, quick-disconnect receptacles, post receptacles, test points and IDC terminals.

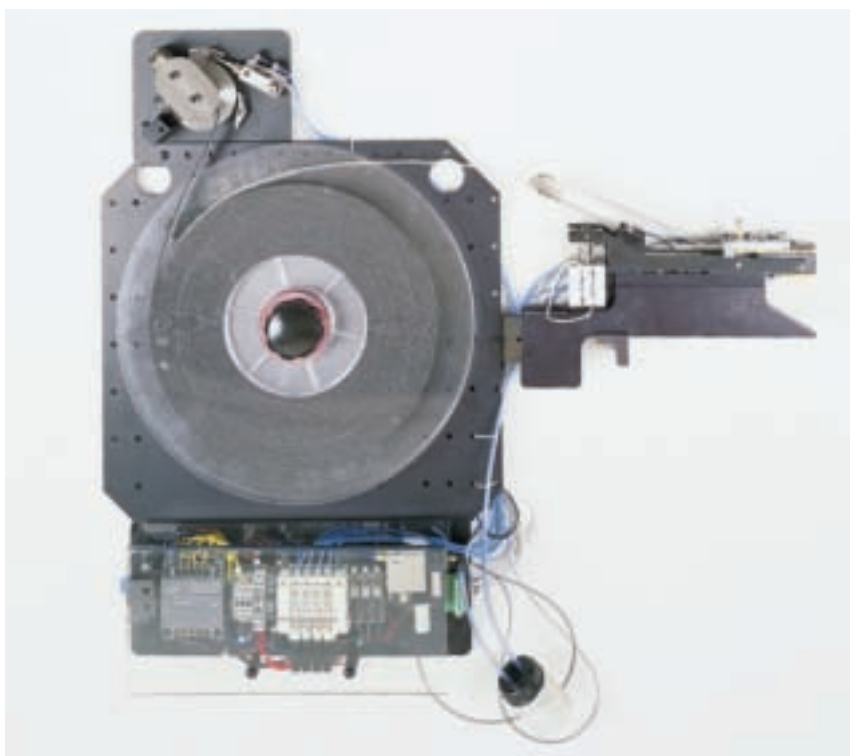
Zierick Terminals (part numbers) that can be inserted with the Terminal Insertion Hand Tool

| Terminal Dimensions | Male - Tab | | Female - Receptacle | | Insertion Tool |
|---------------------|------------|-------------|---------------------|-------------|----------------|
| | Standard | Stable-Lok® | Standard | Stable-Lok® | |
| 0.110" x 0.020" | 834 | 1063 | – | – | ZPT81-A |
| 0.110" x 0.032" | 835 | 1064 | – | – | ZPT81-A |
| 0.187" x 0.020" | 895 | 1027 | – | – | ZPT81-A |
| 0.187" x 0.032" | 894 | 1024:1042 | – | 1025 | ZPT81-A* |
| 0.205" x 0.020" | 893 | – | – | – | ZPT81-A* |
| 0.205" x 0.025" | – | – | – | 1154 | ZPT81-A* |
| 0.205" x 0.032" | 892 | 1065 | – | – | ZPT81-A* |
| 0.250" x 0.032" | 836:906 | 1021:1041 | – | 1022:1037 | ZPT81-A* |
| | 972:953 | 1045:1057 | – | – | – |
| | 953-MOD | 1060:1061 | – | – | – |
| 0.110" x 0.020" | 949 | – | – | – | ZPT92-110* |
| 0.110" x 0.032" | 948 | – | – | – | ZPT92-110* |
| 0.187" x 0.020" | 956 | – | – | – | ZPT92-187* |
| 0.187" x 0.032" | 957 | – | – | – | ZPT92-187* |
| 0.250" x 0.032" | 901 | – | – | – | ZPT92-250* |
| 0.250" x 0.020" | 1032 | 1058 | – | – | ZPT81-A* |
| 0.250" x 0.032" | – | 1059 | – | – | ZPT81-A* |

*Available with lower tooling to effect terminal splaying. Anvil with 30° splay (standard) or 60° splay, and anvil holder are also available from Zierick. Hand tools are also available for other Zierick terminals. Please consult factory.

The **Surf-Shooter SMT™** continuous strip feeder is a combination feed, shear and part present station designed to mount on the feeder rack of a placement system. With its own sophisticated on-board control system, the Surf-Shooter works independently of the host placement system. It senses when a part is picked up and automatically cycles, presenting another part for pick-up, eliminating the need for a mechanical, electrical or pneumatic interface with the placement machine. In most cases, standard nozzles are utilized and Surf-Shooter surface mount connectors are placed with no special machine modifications.

Some placement systems require communication between the feeder and the placement system. Zierick will work with the placement system manufacturer to provide that communication.

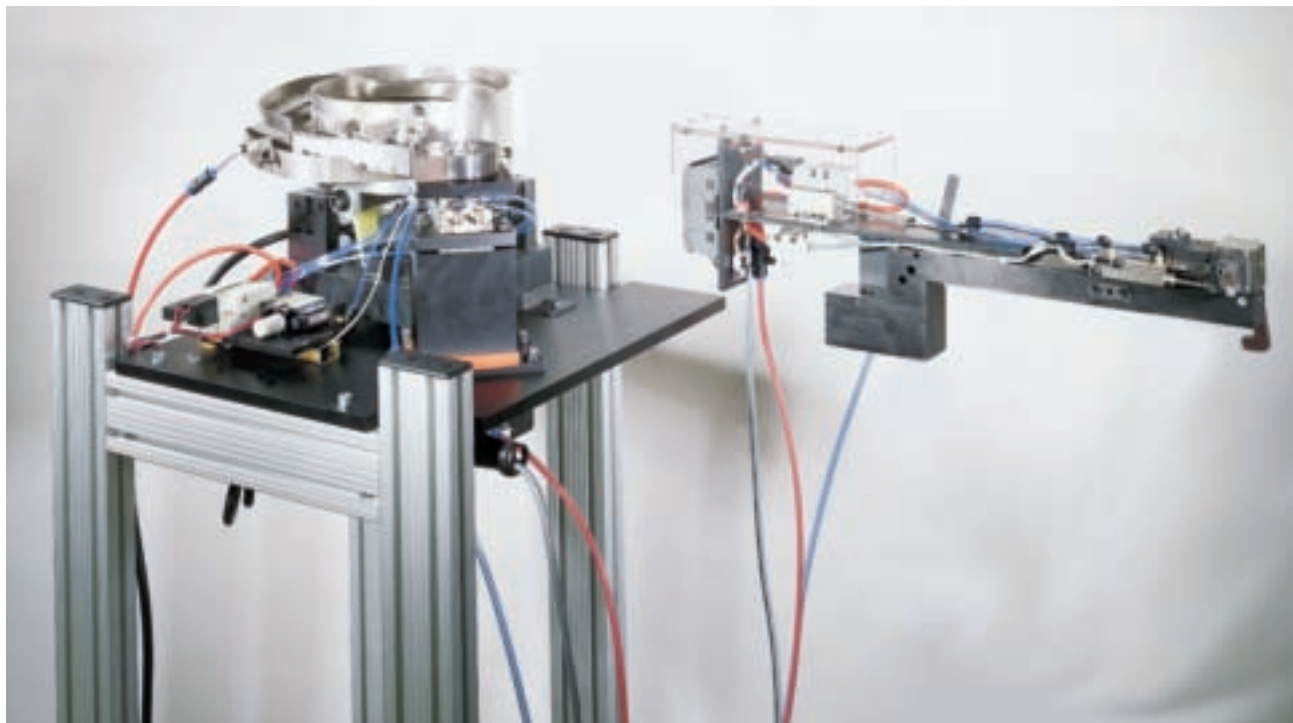


Odd - shaped parts can be assembled in-line on existing placement equipment.



Surface Mount connectors are provided on a continuous reel of parts in strip form and are separated and presented to a vacuum pick-up nozzle by the feeder. Continuous Reels are supplied for Zierick SMT connectors such as Pins, Posts, IDCs, Tabs, Jumpers, Wire Grippers, Box Receptacles, and Clips.

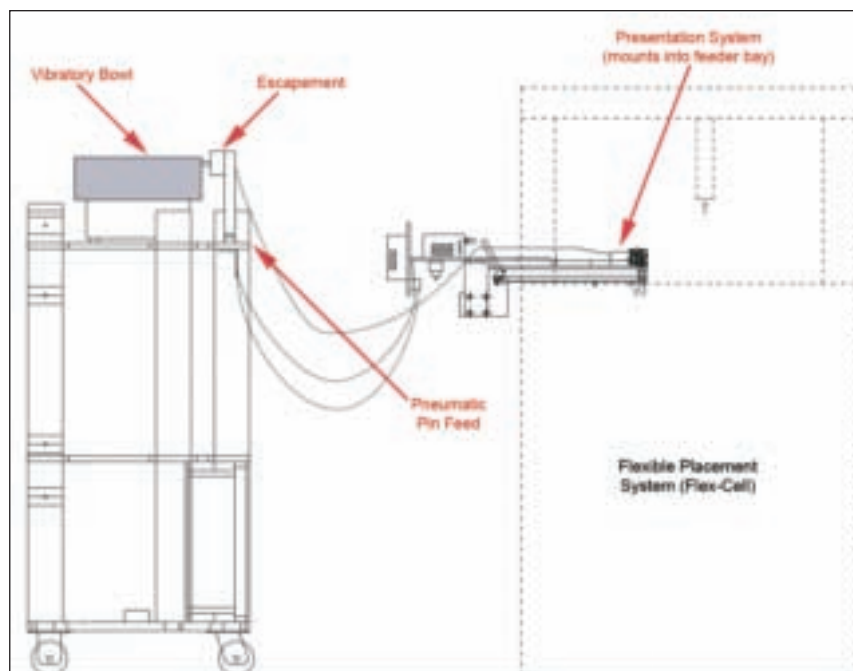
U.S. Patent Nos. 5,605,430 and 5,449,265



Zierick's **Surf-Shooter SMT™** loose piece pin feeder feeds surface mount loose piece pins ranging in size from 0.025" (0.64mm) square to 0.080" (2.03mm) in diameter, up to 0.750" (19.05mm) in length, at feed rates greater than 1 pin per second. The **Surf-Shooter SMT™** presentation unit is 3.750" (95.25mm) wide and is readily mounted in the feeder bay of most flexible placement systems, including Siemens, Universal, and Europlacer machines.

Typically, no electronic interface is required between feeder and placement machine. Some placement systems require communication between the feeder and the

placement system. Zierick will work with the placement system manufacturer to provide that communication.



The MP 1000, along with the appropriate interchangeable Crimp Die Set, is designed for medium to high volume applications. It delivers cost-effective wire terminations of the Zierick family of Insulation Piercing Crimp Terminals: PNs 1286, 1293, and 1295.

This powerful bench-top pneumatic machine provides an output range that is dependent on application and operator.

Available single position Crimp Dies:

- MPI-CRIMP-1286 for PN 1286
- MPI-CRIMP-1293 for PN 1293
- MPI-CRIMP-1295 for PN 1295

Basic Features of the MP1000:

| | |
|--|--------------|
| Base Width | 8" |
| Base Depth | 14" |
| Height <i>(max. opening, anvil to crimp die)</i> | 0.500" |
| Depth of throat, max. | 2.625" |
| Weight | 30 to 35 lb. |
| Air Required | 20 to 95 psi |

This small LCD Video Screen & Camera System can be attached to the MP 1000 in order to insure proper positioning of the PCB, to monitor the application, and for quality control.

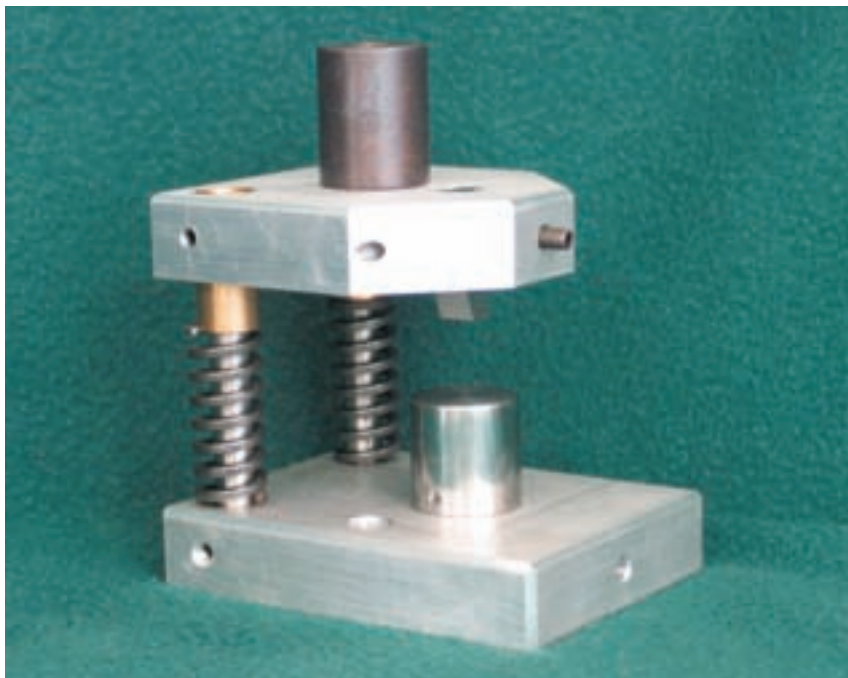
LCD Video Screen & Camera Systems are sold separately.



The Versa-Crimp is designed for low volume applications. It is a small portable tool which, using the appropriate interchangeable Crimp Die Set, is designed for low volume applications, with options for different part numbers. It can be used with an arbor press, a bench vice or anything that will create enough force to make an adequate crimp.

Specifications for the Versa-Crimp 1.5:

| | |
|--|-----------|
| Base Width | 3" |
| Base Depth | 4" |
| Height when Open | 3.650" |
| Height (from top of mounting base to bottom of crimp die) | 4.710" |
| Center of Tool to Pin Springs | 1.500" |
| Weight | 2.35 lbs. |



WTC Wire Termination Crimp Hand Tool

This WTC Wire Termination Tool can be used, with the appropriate interchangeable Crimp Die Set, to terminate wires into any of the family of Crimp terminals. It was designed for use in the field or for low volume production.

These terminals include:

- PN 1286
- PN 1293
- PN 1295



*Wire Crimped
in Hand Termination Tool*



*Close-Up of PCB
in Hand Termination Tool*



Interchangeable Die Set

Zierick products are guaranteed to be free from defects in material and workmanship for up to one year from the date of shipment. Those parts designed to be soldered meet the requirements of MIL-STD-202, METHOD 208. Solderability is guaranteed for up to one year from the date of shipment.

Zierick's liability is limited to replacement of the defective materials or refund of the purchase cost. Zierick will not be responsible for any injury, loss or damage, directly or indirectly related to the use or incorrect use of the product.

It is the user's responsibility to determine the suitability of the product to the application and its intended use. The user accepts all responsibility and liability for the intended use of the product.

Plating/Finish Table

| Finish | Description |
|-----------------------|--|
| 0 | 0.000150" (0.0038mm) 100% Matte Tin over 0.000100" (0.0025mm) Copper |
| 1 | 0.000050" (0.0013mm) Hot Solder Dip (60% Tin, 40% Lead) |
| 2 | 0.000050" (0.0013mm) Hot Tin Dip (100% Tin) |
| 3 | 0.000150" (0.0038mm) Bright Tin over 0.000100" (0.0025mm) Copper |
| 4 | 0.000100" (0.0025mm) Nickel <i>Note: Not recommended for parts which will be soldered.</i> |
| 5 | Cleaned and Polished |
| 6 | 0.000150" (0.0038mm) 95/5 Matte Tin/Lead over 0.000100" (0.0025mm) Copper |
| 7 | 0.000100" (0.0025mm) Bright Tin <i>Note: Not recommended for parts which will be soldered.</i> |
| 8 | 0.000100" (0.0025mm) Matte Tin <i>Note: Not recommended for parts which will be soldered.</i> |
| 9 | No finish (Bare Base Metal) |
| 10 | Pre-Finished Ni over base metal |
| 11 | Pre-Finished 100% Hot Tin Dip (consult factory for thickness). Material edges will be bare. |
| 12 | Pre-Finished 0.000150" (0.0038mm) 95/5 Matte Tin/Lead over 0.000100" (0.0025mm) Copper. Material edges will be bare. |
| 13 | 0.000150" (0.0038mm) 100% Matte Tin over Steel |
| 14 | 0.000005" (0.00013mm) Gold over 0.000050" (0.0013mm) Nickel |
| 15 | 0.000200" (0.0051mm) 100% Matte Tin over 0.000100" (0.0025mm) Nickel |
| 16 | Pre-finished 100% Matte Tin 0.000150" (0.0038mm) over 0.000100" (0.0025mm) Copper. Edges will be bare. |
| 19 | 0.00003" (0.00076mm) Gold over 0.000030" Min (0.00077mm) Nickel |
| MS | Parts made to military standards have the prefix MS before the part number and are plated to the military standard of 0.0005" (0.0127mm) Min 100% Tin over 0.000150" (0.0038mm) Copper |
| SP | Special finish (consult factory) |
| Solderability: | In accordance with MIL-STD-202, Method 208. |

*This table does not represent all available finish types.
Finishes other than the standard will be special orders;
pricing and availability may vary. Please consult factory.*

| Part Number | Product Type | Base Material | Finish Code | Current Rating | Packaging | Pieces per Reel* | Page Number |
|--------------------|-----------------------------------|---------------|-------------|----------------|------------------|------------------|-------------|
| A1-XXX | SMT Surface Mount Pins | C26000 Brass | 0 ** | 8 / Pin | Loose | NA | 6 |
| A2-XXX-0 | SMT Surface Mount Solid Pins | C11000 Copper | 0 | 15 | Loose | NA | 7 |
| A3-XXX-0 | SMT Surface Mount Solid Pins | C11000 Copper | 0 | 20 | Loose | NA | 7 |
| A4-XXX-0 | SMT Surface Mount Solid Pins | C11000 Copper | 0 | 25 | Loose | NA | 7 |
| CPB 9030 Clamp | Wire Clamp | C26000 Brass | 0 | 30 | Loose | NA | 92 |
| HX-XX-XXX-X | SMT Pin-Headers | Varies ** | Varies ** | 8 / Pin | Loose / Strip | NA | 12 |
| IPC-4-35 | SMT Fine Wire Connector | C26000 Brass | NA | 2 / blade | Loose / Taped ** | .90 M | 19 |
| IPC-4-45 | SMT Fine Wire Connector | C26000 Brass | NA | 2 / blade | Loose / Taped ** | .90 M | 19 |
| M6111 | MAGTERM Screw Terminal | C26000 Brass | 0 | 30 | Loose | NA | 91 |
| M6112 | MAGTERM Screw Terminal | C26000 Brass | 0 | 30 | Loose | NA | 91 |
| 7/16 632 BET SCREW | Binding Head Screw | C26000 Brass | 8 | 30 | Loose | NA | 92 |
| 7/16 SEMS SCREW | Screw | Steel | Zinc | 30 | Loose | NA | 91 |
| 348 | Screw Terminal | C26000 Brass | 0 | 30 | Loose | NA | 89 |
| 731 | Screw Terminal | C26000 Brass | 0 | 30 | Loose | NA | 87 |
| 792 | Screw Terminal | C26000 Brass | 0 | 30 | Loose | NA | 89 |
| 834 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 10 | Loose | NA | 45 |
| 835 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 10 | Loose | NA | 45 |
| 836 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 20 | Loose | NA | 53 |
| 892 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 20 | Loose | NA | 52 |
| 893 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 20 | Loose | NA | 52 |
| 894 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 20 | Loose | NA | 48 |
| 895 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 20 | Loose | NA | 48 |
| 901 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 20 | Loose | NA | 58 |
| 906 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 20 | Loose | NA | 54 |
| 926 | Fuse Clip Receptacle | C26000 Brass | 0 | 15 | Loose | NA | 78 |
| 927 | Fuse Clip Receptacle | C26000 Brass | 0 | 15 | Loose | NA | 78 |
| 928 | Screw Terminal | C26000 Brass | 0 | 30 | Loose | NA | 90 |
| 934 ST.S | Screw Terminal | C26000 Brass | 0 | 30 | Loose | NA | 87 |
| 934 ST. SC | Screw Terminal | C26000 Brass | 0 | 30 | Loose | NA | 87 |
| 948 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 20 | Loose | NA | 46 |
| 949 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 20 | Loose | NA | 46 |
| 953 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 20 | Loose | NA | 57 |
| 953-MOD | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 20 | Loose | NA | 56 |
| 956 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 20 | Loose | NA | 51 |
| 957 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 20 | Loose | NA | 51 |
| 972 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 20 | Loose | NA | 55 |
| 983 | Accu-Pak TM Receptacle | C26000 Brass | 0 | 10 | Loose | NA | 71 |
| 984 | Accu-Pak TM Receptacle | C26000 Brass | 0 | 15 | Loose | NA | 71 |
| 990 | Fuse Clip Receptacle | C26000 Brass | 0 | 15 | Loose | NA | 77 |
| 1021 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 20 | Loose | NA | 52 |
| 1022 | Accu-Pak TM Receptacle | C26000 Brass | 0 | 20 | Loose | NA | 69 |
| 1024 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 20 | Loose | NA | 47 |
| 1025 | Accu-Pak TM Receptacle | C26000 Brass | 0 | 15 | Loose | NA | 69 |
| 1026 | Accu-Pak TM Receptacle | C26000 Brass | 0 | 15 | Loose | NA | 69 |
| 1027 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 20 | Loose | NA | 47 |
| 1030 | Screw Terminal | C26000 Brass | 0 | 30 | Loose | NA | 88 |
| 1032 | Test Point Terminal | C26000 Brass | 0 | 10 | Loose | NA | 62 |
| 1037 | Accu-Pak TM Receptacle | C26000 Brass | 0 | 20 | Loose | NA | 69 |
| 1039 | Torsion-Lok TM IDC | C26000 Brass | 0 | 20 | Loose | NA | 81 |
| 1041 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 20 | Loose | NA | 55 |
| 1042 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 20 | Loose | NA | 49 |
| 1045 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 20 | Loose | NA | 54 |
| 1047 | Fuse Clip Receptacle | C26000 Brass | 0 | 15 | Loose | NA | 77 |
| 1048 | Fuse Clip Receptacle | C26000 Brass | 0 | 15 | Loose | NA | 77 |

Part Number Cross Reference

| Part Number | Product Type | Base Material | Finish Code | Current Rating | Packaging | Pieces per Reel* | Page Number |
|-------------|---------------------------------|------------------------|-------------|----------------|------------------|------------------|-------------|
| 1049-030 | Test Point Terminal | C26000 Brass | 0 | 10 | Loose | NA | 62 |
| 1057 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 20 | Loose | NA | 55 |
| 1058 | Test Point Terminal | C26000 Brass | 0 | 10 | Loose | NA | 61 |
| 1059 | Test Point Terminal | C26000 Brass | 0 | 10 | Loose | NA | 61 |
| 1060 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 20 | Loose | NA | 54 |
| 1061 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 20 | Loose | NA | 53 |
| 1062 | Bottom Entry 4 Beam Receptacle | C51000 Phosphor Bronze | 0 | 10 | Loose | NA | 66 |
| 1063 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 10 | Loose | NA | 45 |
| 1064 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 10 | Loose | NA | 45 |
| 1065 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 20 | Loose | NA | 51 |
| 1066 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 20 | Loose | NA | 51 |
| 1069 | Test Point Terminal | C26000 Brass | 0 | 10 | Loose | NA | 61 |
| 1077 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 20 | Loose | NA | 49 |
| 1090 | Accu-Pak™ Receptacle | C26000 Brass | 0 | 20 | Loose | NA | 70 |
| 1092 | Accu-Pak™ Receptacle | C26000 Brass | 0 | 20 | Loose / Taped ** | .55 M | 73 |
| 1093 | Accu-Pak™ Receptacle | C26000 Brass | 0 | 20 | Loose | NA | 71 |
| 1108 | Screw Terminal | C26000 Brass | 0 | 30 | Loose | NA | 89 |
| 1108-GRSC | Screw Terminal | C26000 Brass | 0 | 30 | Loose | NA | 89 |
| 1108-TORX | Screw Terminal | C26000 Brass | 0 | 30 | Loose / Taped ** | .50 M | 89 |
| 1112 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 20 | Loose | NA | 56 |
| 1113 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 20 | Loose | NA | 56 |
| 1115 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 20 | Loose | NA | 52 |
| 1116 ST.S | Screw Terminal | C26000 Brass | 11 | 30 | Loose | NA | 88 |
| 1117 | Screw Terminal | C26000 Brass | 11 | 30 | Loose | NA | 88 |
| 1118 | Accu-Pak™ Receptacle | C26000 Brass | 0 | 20 | Loose / Taped ** | .43 M | 74 |
| 1119 | Torsion-Lok™ IDC | C26000 Brass | 0 | 30 | Loose | NA | 81 |
| 1123 | Accu-Pak™ Receptacle | C26000 Brass | 0 | 20 | Loose | NA | 69 |
| 1131 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 30 | Loose | NA | 58 |
| 1141 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 20 | Loose | NA | 49 |
| 1154 | Accu-Pak™ Receptacle | C26000 Brass | 0 | 20 | Loose | NA | 70 |
| 1158 ST.S | Screw Terminal | C26000 Brass | 0 | 30 | Loose | NA | 90 |
| 1166 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 20 | Loose | NA | 50 |
| 1172 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 20 | Loose | NA | 50 |
| 1173 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 20 | Loose | NA | 57 |
| 1174 | Torsion-Lok™ IDC | C26000 Brass | 0 | 20 | Loose | NA | 82 |
| | | | | | | | |
| 1179 | SMT Jumper | C11000 Copper | 0 | 25 | Loose / Taped ** | 7.00 M | 28 |
| 1182 | Torsion-Lok™ IDC | C26000 Brass | 0 | 10 | Loose | NA | 80 |
| 1183 | Torsion-Lok™ IDC | C26000 Brass | 0 | 10 | Loose | NA | 80 |
| 1184 | SMT Fuse Clip Connector | C51000 Phosphor Bronze | 0 | 15 | Loose / Taped ** | 1.05 M | 34 |
| 1185 | Torsion-Lok™ IDC | C26000 Brass | 0 | 20 | Loose | NA | 82 |
| 1187 | Top Entry 2 Beam Receptacle | C51000 Phosphor Bronze | 0 | 10 | Loose | NA | 67- 85 |
| 1188 | Accu-Pak™ Receptacle | C26000 Brass | 0 | 20 | Loose | NA | 74 |
| 1193 | Bottom Entry 2 Beam Receptacle | C51000 Phosphor Bronze | 0 | 10 | Loose | NA | 67 |
| 1198 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 20 | Loose | NA | 52 |
| 1200 | Bottom Entry 2 Beam Receptacle | C51000 Phosphor Bronze | 0 | 10 | Loose | NA | 67 |
| 1201 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 10 | Loose | NA | 45 |
| 1202 | Screw Terminal | C26000 Brass | 11 | 30 | Loose | NA | 88 |
| 1216 | Surface Mount Post | C26000 Brass | 0 | 8 | Loose | NA | 5 |
| 1222 | Surface Mount Post | C26000 Brass | 0 | 8 | Loose | NA | 5 |
| 1225 | Accu-Pak™ Receptacle | C26000 Brass | 0 | 20 | Loose | NA | 70 |
| 1227 | SMT IDC | C26000 Brass | 0 | 20 | Loose | NA | 20 |
| 1230 | SMT Fuse Clip | C51000 Phosphor Bronze | 0 | 15 | Loose / Taped ** | 1.05 M | 34 - 35 |
| 1235 | SMT IDC | C26000 Brass | 0 | 20 | Loose / Taped ** | 2.50 M | 21 |

| Part Number | Product Type | Base Material | Finish Code | Current Rating | Packaging | Pieces per Reel* | Page Number |
|-------------|--|-------------------------|-------------|----------------|------------------|------------------|-------------|
| 1237 | SMT Top-Entry Receptacles | C26000 Brass | 0 | 25 | Loose / Taped ** | .90 M | 30 - 35 |
| 1238 | SMT Bottom-Entry Receptacles | C26000 Brass | 0 | 25 | Loose / Taped ** | .90 M | 30 |
| 1241 | Accu-Pak TM Receptacle | C26000 Brass | 0 | 15 | Loose | NA | 69 |
| 1245 | SMT IDC | C26000 Brass | 0 | 20 | Loose / Taped ** | 2.00 M | 21 |
| 1258-XXX-0 | SMT Board Stacking Connector | C26000 Brass | 0 | 10 | Loose / Taped ** | 2.50 M | 17 |
| 1260 | SMT Socket | C17200 Beryllium Copper | 3 | 7 | Loose / Taped ** | 2.80 M | 36 |
| 1260-SQ | SMT Socket with Square Base | C17200 Beryllium Copper | 3 | 7 | Loose / Taped ** | 2.74 M | 37 |
| 1262 | SMT Top- or Bottom-Entry Box Receptacle | C51000 Phosphor Bronze | 0 | 20 | Loose / Taped ** | .63 M | 27 - 32 |
| 1264 | SMT Z-Axis Compliant Pin | C15500 Copper & Silver | 0 | 8 | Loose | NA | 6 |
| 1266 | SMT Dual Entry Box Receptacle | C51000 Phosphor Bronze | 0 | 20 | Loose / Taped ** | 1.59 M | 31 |
| 1274 | Accu-Pak TM Receptacle | C26000 Brass | 0 | 20 | Loose / Taped | .55 M | 73 |
| 1275 | High Performance SMT Box Receptacle | C70250 Copper Alloy | 0 | 20 | Loose / Taped ** | .63 M | 33 - 39 |
| 1277 | SMT Box Receptacle | C51000 Phosphor Bronze | 0 | 10 | Loose / Taped ** | .625 M | 33 |
| 1278 | SMT Quick Disconnect Terminal | C26000 Brass | 0 | 20 | Loose | NA | 9 |
| 1279 | SMT Socket | C17200 Beryllium Copper | 3 | 7 | Loose / Taped ** | 2.20 M | 38 |
| 1280 | SMT Socket | C17200 Beryllium Copper | 3 | 7 | Loose / Taped ** | 2.80 M | 38 |
| 1282 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 10 | Loose | NA | 48 |
| 1285 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 25 | Loose / Taped ** | .375 M | 10 |
| 1286 | SMT Insulation Piercing Crimp Connectors | C26000 Brass | 16 | 15 | Loose / Taped ** | 2.0 M | 23 |
| 1288 | Universal Tab Receptacle | C26000 Brass | 0 | 20 | Loose | NA | 74 |
| 1290 | Universal Tab Receptacle | C26000 Brass | 0 | 20 | Loose | NA | 73 |
| 1293 | SMT Insulation Piercing Crimp Connectors | C26000 Brass | 16 | 27 | Loose / Taped ** | 1.90 M | 23 |
| 1295 | SMT Insulation Piercing Crimp Connectors | C26000 Brass | 16 | 8 | Loose / Taped ** | 2.50 M | 24 |
| 1296 | SMT IDC | C26000 Brass | 0 | 10 | Loose / Taped | 2.00 M | 21 |
| 1299 | Universal Tab Receptacle | C26000 Brass | 0 | 20 | Loose | NA | 75 |
| 1300-T | Zip Cord Connector | C26000 Brass | 16 | Varies ** | Taped | .80 M | 25 |
| 1301 | SMT Box Receptacles | C51000 Phosphor Bronze | 0 | 10 | Loose / Taped ** | 4.50 M | 27 & 32 |
| 1302 | Zip Cord Connector | C26000 Brass | 0 | Varies ** | Loose / Taped ** | 1.10 M | 26 |
| 5044 | Crimp-On Lead Wire Strain Relief Terminals | C26000 Brass | 11 | 15 | Reeled | 10 M | 86 |
| 5088 | Crimp-On Lead Wire Strain Relief Terminals | C26000 Brass | 11 | 15 | Reeled | 10 M | 86 |
| 6021 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 20 | Reeled | 15 M | 52 |
| 6022 | Accu-Pak TM Receptacle | C26000 Brass | 0 | 20 | Reeled | 5 M | 69 |
| 6024 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 20 | Reeled | 15 M | 47 |
| 6025 | Accu-Pak TM Receptacle | C26000 Brass | 0 | 15 | Reeled | 8 M | 69 |
| 6026 | Accu-Pak TM Receptacle | C26000 Brass | 0 | 15 | Reeled | 8 M | 69 |
| 6027 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 20 | Reeled | 12 M | 47 |
| 6037 | Accu-Pak TM Receptacle | C26000 Brass | 0 | 20 | Reeled | 5 M | 69 |
| 6041 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 20 | Reeled | 15 M | 55 |
| 6042 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 20 | Reeled | 15 M | 49 |
| 6045 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 20 | Reeled | 15 M | 54 |
| 6050-030 | Test Point Terminal | C26000 Brass | 0 | 10 | Reeled | 20 M | 62 |
| 6057 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 20 | Reeled | 15 M | 55 |
| 6059 | Test Point Terminal | C26000 Brass | 0 | 10 | Reeled | 25 M | 61 |
| 6060 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 20 | Reeled | 15 M | 54 |
| 6061 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 20 | Reeled | 15 M | 53 |
| 6062 | Bottom Entry 4 Beam Receptacle | C51000 Phosphor Bronze | 0 | 10 | Reeled | 5 M | 66 |
| 6062-101 | Bottom Entry 4 Beam Receptacle | C51000 Phosphor Bronze | 0 | 10 | Reeled | 5 M | 66 |
| 6063 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 10 | Reeled | 20 M | 45 |
| 6064 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 10 | Reeled | 20 M | 45 |
| 6065 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 20 | Reeled | 15 M | 51 |
| 6069 | Test Point Terminal | C26000 Brass | 0 | 10 | Reeled | 50 M | 61 |
| 6072 | IDC for #19-18 AWG Magnet Wire | C26000 Brass | 0 | 15 | Reeled | 7 M | 83 |
| 6073-XXX | Accu-Post Terminal | C26000 Brass | 0 | 10 | Reeled | 25 M | 94 |
| 6075-XXX | Accu-Post Terminal | C26000 Brass | 0 | 10 | Reeled | 15 M | 94 |

| Part Number | Product Type | Base Material | Finish Code | Current Rating | Packaging | Pieces per Reel* | Page Number |
|---------------|---------------------------------|------------------------|-------------|----------------|-------------------|------------------|-------------|
| 6077 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 20 | Reeled | 13 M | 49 |
| 6078 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 20 | Reeled | 13 M | 49 |
| 6080 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 20 | Reeled | 5.5 M | 59 |
| 6090 | Accu-Pak™ Receptacle | C26000 Brass | 0 | 20 | Reeled | 7.5 M | 70 |
| 6092 | Accu-Pak™ Receptacle | C26000 Brass | 0 | 20 | Reeled | 4 M | 73 |
| 6093 | Accu-Pak™ Receptacle | C26000 Brass | 0 | 20 | Reeled | 7.5 M | 71 |
| 6100 | Accu-Pak™ Receptacle | C51000 Phosphor Bronze | 0 | 3 | Reeled | 10 M | 65 |
| 6101 | Accu-Pak™ Receptacle | C51000 Phosphor Bronze | 0 | 3 | Reeled | 10 M | 65 |
| 6110 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 20 | Reeled | 12.5 M | 57 |
| 6112 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 20 | Reeled | 10 M | 56 |
| 6113 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 20 | Reeled | 10 M | 56 |
| 6114 | Torsion-Lok™ IDC | C26000 Brass | 0 | 10 | Reeled | 6.5 M | 80 |
| 6115 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 20 | Reeled | 12.5 M | 52 |
| 6118 | Accu-Pak™ Receptacle | C26000 Brass | 0 | 20 | Reeled | 4 M | 74 |
| 6119 | Torsion-Lok™ IDC | C26000 Brass | 0 | 30 | Reeled | 6.5 M | 81 |
| 6120 | Accu-Pak™ Receptacle | C26000 Brass | 0 | 25 | Reeled | 3 M | 71 |
| 6123 | Accu-Pak™ Receptacle | C26000 Brass | 0 | 20 | Reeled | 5 M | 69 |
| 6134 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 20 | Reeled | 7 M | 48 |
| 6140 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 20 | Reeled | 15 M | 49 |
| 6141 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 20 | Reeled | 15 M | 49 |
| 6142 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 20 | Reeled | 15 M | 48 |
| 6143-XXX | Accu-Post Terminal | C26000 Brass | 0 | 8 | Reeled | 15 M | 94 |
| 6148 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 20 | Reeled | 6 M | 51 |
| 6149 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 20 | Reeled | 6 M | 51 |
| 6152 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 20 | Reeled | 5.5 M | 59 |
| 6154 | Accu-Pak™ Receptacle | C26000 Brass | 0 | 15 | Reeled | 5 M | 70 |
| 6172 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 20 | Reeled | 5 M | 50 |
| 6173 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 20 | Reeled | 5 M | 57 |
| 6174 | Torsion-Lok™ IDC | C26000 Brass | 0 | 20 | Reeled | 4 M | 82 |
| | | | | | | | |
| 6179 | SMT Jumper | C11000 Copper | 0 | 25 | Reeled | 20 M | 28 |
| 6183 | Torsion-Lok™ IDC | C26000 Brass | 0 | 10 | Reeled | 15 M | 80 |
| 6184 | SMT Fuse Clip Connector | C51000 Phosphor Bronze | 0 | 15 | Reeled | 2 M | 34 |
| 6185 | Torsion-Lok™ IDC | C26000 Brass | 0 | 20 | Reeled | 12.5 M | 82 |
| | | | | | | | |
| 6187 | Top Entry 2 Beam Receptacle | C51000 Phosphor Bronze | 0 | 10 | Reeled | 5 M | 67 & 85 |
| 6188 | Accu-Pak™ Receptacle | C26000 Brass | 0 | 20 | Reeled | 3.5 M | 74 |
| 6193 | Bottom Entry 4 Beam Receptacle | C51000 Phosphor Bronze | 0 | 10 | Reeled | 5 M | 67 |
| 6198 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 20 | Reeled | 15 M | 52 |
| 6200 | Bottom Entry 4 Beam Receptacle | C51000 Phosphor Bronze | 0 | 10 | Reeled | 5 M | 67 |
| 6201 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 10 | Reeled | 20 M | 45 |
| 6205 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 20 | Reeled | 15 M | 83 |
| 6216 | Surface Mount Post | C26000 Brass | 0 | 8 | Reeled | 7 M | 5 |
| 6222 | Surface Mount Post | C26000 Brass | 0 | 8 | Reeled | 7 M | 5 |
| 6224 | Tab / Quick Disconnect Terminal | C26000 Brass | 0 | 20 | Reeled | 15 M | 55 |
| 6225 | Accu-Pak™ Receptacle | C26000 Brass | 0 | 15 | Reeled | 5 M | 70 |
| 6227 | SMT IDC | C26000 Brass | 0 | 20 | Reeled | 2.2 M | 20 |
| 6230 | SMT Fuse Clip | C51000 Phosphor Bronze | 0 | 15 | Reeled | 2 M | 34 & 35 |
| 6233-AAAA-BBB | SMT Variable Size Jumper | C11000 Copper | 2 | Varies ** | Reeled / Taped ** | Varies | 28 |
| 6237 | SMT Bottom-Entry Receptacles | C26000 Brass | 0 | 25 | Reeled | .9 M | 30 |
| 6238 | SMT Bottom-Entry Receptacles | C26000 Brass | 0 | 25 | Reeled | .9 M | 30 |
| 6239 | SMT Post | C26000 Brass | 0 | 8 | Reeled | 9 M | 5 |
| 6240 | SMT Post | C26000 Brass | 0 | 8 | Reeled | 9 M | 5 |
| 6241 | Accu-Pak™ Receptacle | C26000 Brass | 0 | 15 | Reeled | 6 M | 69 |

| Part Number | Product Type | Base Material | Finish Code | Current Rating | Packaging | Pieces per Reel* | Page Number |
|-------------|-------------------------------------|------------------------|-------------|----------------|-----------|------------------|-------------|
| 6246 | Surface Mount Post | C26000 Brass | 0 | 8 | Reeled | 7 M | 5 |
| 6262 | SMT Top- or Bottom-Entry Receptacle | C51000 Phosphor Bronze | 0 | 20 | Reeled | 1.5 M | 27 & 32 |
| 6264 | SMT Z-Axis Compliant Pin | C15500 Copper & Silver | 0 | 8 | Loose | NA | 6 |
| 6266 | SMT Dual Entry Box Receptacle | C51000 Phosphor Bronze | 0 | 20 | Reeled | 1.5 M | 31 |
| 6267 | THT Tab/ Quick Disconnect Terminal | C26000 Brass | 0 | 15 | Reeled | 10 M | 47 |
| 6274 | Accu-Pak™ Receptacle | C26000 Brass | 0 | 20 | Reeled | 4 M | 73 |
| 6275 | High Performance SMT Box Receptacle | C70250 Copper Alloy | 0 | 20 | Reeled | 5 M | 33 & 39 |
| 6277 | SMT Box Receptacle | C51000 Phosphor Bronze | 0 | 10 | Reeled | 7.5 M | 33 |
| 6282 | THT Tab/ Quick Disconnect Terminal | C26000 Brass | 0 | 10 | Reeled | 15 M | 48 |
| 6284 | SMT/THT Quick Disconnect Terminal | C26000 Brass | 0 | 25 | Reeled | 2.5 M | 10 & 53 |
| 6285 | SMT Tab/Quick Disconnect Terminal | C26000 Brass | 0 | 25 | Reeled | 3.0 M | 10 |
| 6288 | Universal Tab Receptacle | C26000 Brass | 0 | 20 | Reeled | 4 M | 74 |
| 6290 | Universal Tab Receptacle | C26000 Brass | 0 | 20 | Reeled | 4 M | 73 |
| 6291 | SMT/THT Quick Disconnect Terminal | C26000 Brass | 0 | 25 | Reeled | 2.5M | 9 & 47 |
| 6299 | Universal Tab Receptacle | C26000 Brass | 0 | 20 | Reeled | 4 M | 75 |
| 6301 | SMT Box Receptacles | C51000 Phosphor Bronze | 0 | 10 | Reeled | 25 M | 27 & 32 |
| 6302 | Zip Cord Connector | C26000 Brass | 0 | Varies ** | Reeled | 4 M | 26 |
| 6834 | THT Tab/ Quick Disconnect Terminal | C26000 Brass | 0 | 10 | Reeled | 20 M | 45 |
| 6835 | THT Tab/ Quick Disconnect Terminal | C26000 Brass | 0 | 10 | Reeled | 20 M | 45 |
| 6836 | THT Tab/ Quick Disconnect Terminal | C26000 Brass | 0 | 20 | Reeled | 12.5 M | 53 |
| 6894 | THT Tab/ Quick Disconnect Terminal | C26000 Brass | 0 | 20 | Reeled | 15 M | 48 |
| 6895 | THT Tab/ Quick Disconnect Terminal | C26000 Brass | 0 | 20 | Reeled | 20 M | 48 |
| 6901 | THT Tab/ Quick Disconnect Terminal | C26000 Brass | 0 | 20 | Reeled | 6 M | 58 |
| 6948 | THT Tab/ Quick Disconnect Terminal | C26000 Brass | 0 | 20 | Reeled | 6 M | 46 |
| 6949 | THT Tab/ Quick Disconnect Terminal | C26000 Brass | 0 | 20 | Reeled | 6 M | 46 |
| 6956 | THT Tab/ Quick Disconnect Terminal | C26000 Brass | 0 | 20 | Reeled | 6 M | 50 |
| 6957 | THT Tab/ Quick Disconnect Terminal | C26000 Brass | 0 | 20 | Reeled | 6 M | 50 |

Disclaimer Note: Current ratings are general guidelines only. Since each application is different, the customer must do their own testing to determine the appropriate current rating for their specific application.

* M = 1,000

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